STATE OF VERMONT
AGENCY OF TRANSPORTATION

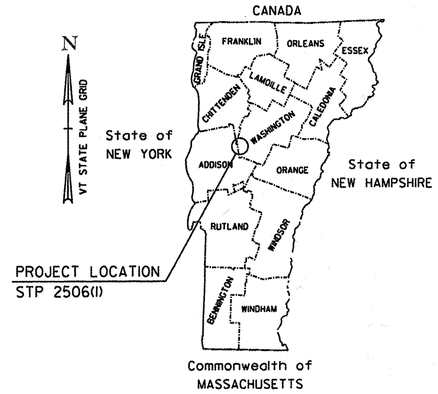
RECORD PLANS	
CONTRACTOR:	KUBRICKY CONSTRUCTION CO. – WILTON, VT
RESIDENT ENGINEER:	JOSH HULETT
CONSTRUCTION BEGAN:	APRIL 15, 2013
CONSTRUCTION COMPLETE:	OCTOBER 9, 2013
RECORD PLANS BY:	JOSH HULETT & PERCY BANNERMAN

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY Josh Hulett RESIDENT ENGINEER

DATE MARCH 16, 2015

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.



PROPOSED IMPROVEMENT
TOWNS OF WARREN & WAITSFIELD
COUNTY OF WASHINGTON
VT. ROUTE 100 (MINOR ARTERIAL)

BEGINNING AT A POINT IN THE TOWN OF WARREN ON VT. ROUTE 100 AT APPROXIMATELY MILE MARKER 0.850 AND EXTENDING APPROXIMATELY 4.967 MILES NORTHERLY AND STOPPING IN WARREN, AT APPROXIMATELY MILE MARKER 5.817, THEN RESUMING AT APPROXIMATELY MILE MARKER 5.998 AND CONTINUING APPROXIMATELY 2.730 MILES AND ENDING AT APPROXIMATELY MILE MARKER 2.380 IN THE TOWN OF WAITSFIELD.

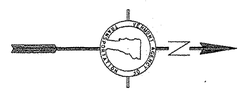
LENGTH OF ROADWAY, TOWN OF WARREN	29,029.05 FEET	(5.498 MILES)
LENGTH OF ROADWAY, TOWN OF WAITSFIELD	12,566.40 FEET	(2.380 MILES)
LENGTH OF PROJECT BRF 013-4(14)	952.00 FEET	(0.180 MILE)
LENGTH OF PROJECT STP 2506(1)	40,643.45 FEET	(7.698 MILES)

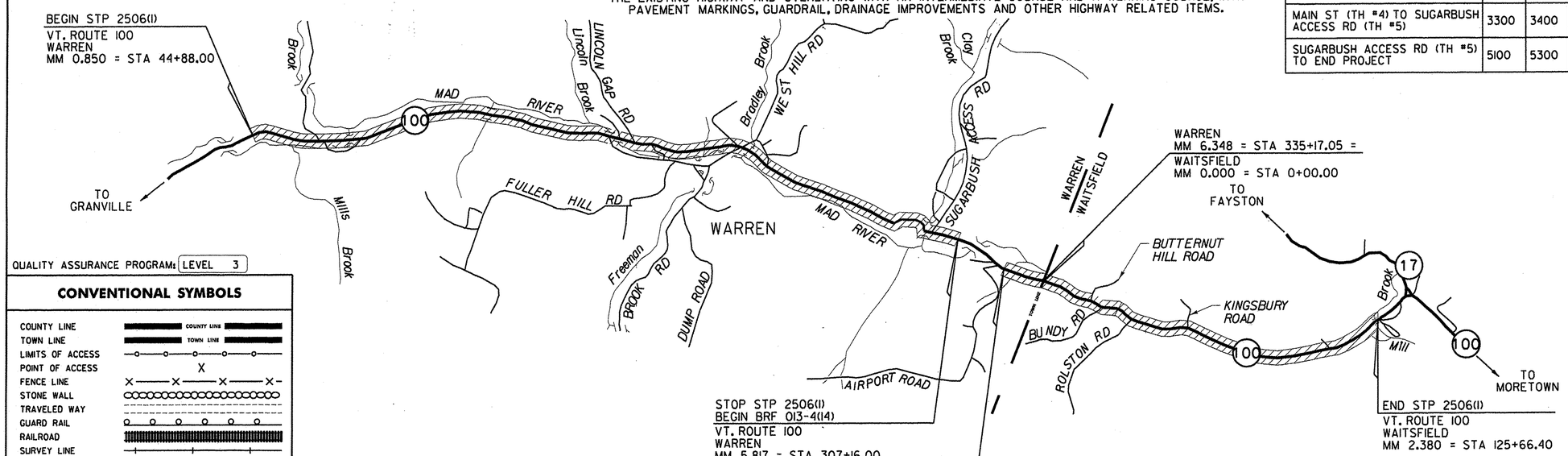
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING AND/OR COLD PLANING SEGMENTS OF THE EXISTING HIGHWAY AND OVERLAYING WITH AN INTERMEDIATE COURSE AND A WEARING COURSE, WITH PAVEMENT MARKINGS, GUARDRAIL, DRAINAGE IMPROVEMENTS AND OTHER HIGHWAY RELATED ITEMS.

BITUMINOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	716,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS & SPECIAL PROVISIONS

TRAFFIC DATA

LOCATION	AADT		DHV		ESALs	ESALs
	2011	2021	2011	2021	2011~2021	2011~2031
BEGIN PROJECT TO LINCOLN GAP RD (TH #3)	1600	1600	200	200	350,000	782,000
LINCOLN GAP RD (TH #3) TO MAIN ST (TH #4)	2100	2100	260	260	320,000	779,000
MAIN ST (TH #4) TO SUGARBUSH ACCESS RD (TH #5)	3300	3400	410	420	494,000	1,226,000
SUGARBUSH ACCESS RD (TH #5) TO END PROJECT	5100	5300	630	660	615,000	1,432,000





QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SURVEYED BY :	VAOT
SURVEYED DATE :	2010

DATUM

VERTICAL	NAVD 88
HORIZONTAL	NAD (96)

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

STATE OF VERMONT
RODNEY A. BROOK
No. 6581
REGISTERED PROFESSIONAL ENGINEER

PLANS PREPARED BY

Rodney A. Brook

CHA
III Winners Circle, PO Box 5269 • Albany, NY 12205-0269
Main: (518) 453-4500 • www.chacompanies.com

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Richard Hibbard DATE 12-26-12

PROJECT MANAGER : MIKE FOWLER

PROJECT NAME : WARREN-WAITSFIELD
PROJECT NUMBER : STP 2506 (1)

SHEET 1 OF 310 SHEETS

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p050848.cov.dgn
DATE/TIME = 12/18/2012
USER = 4866

INDEX OF SHEETS

STP 2506(1) SHEETS

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2	INDEX OF SHEETS
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7-8	PROJECT TYPICAL SHEETS 1-2
9-12	QUANTITY SHEETS 1-4
13-19	ITEM DETAIL SUMMARY SHEETS 1-7
20	ITEM DETAIL AND DRAINAGE SUMMARY SHEET
21	PAVING DETAILS SHEET
22	DRIVEWAY HANDWORK DETAILS SHEET
23	DRIVEWAY HANDWORK TABLES SHEET
24	MISCELLANEOUS DETAILS SHEET
25	UNDERDRAIN DETAIL SHEET
26	DITCH CLEANING DETAIL SHEET
27-102	PROJECT LAYOUT SHEETS 1-76
103-112	TRAFFIC SIGN SUMMARY SHEETS 1-10
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257-296	WAITSFIELD CROSS SECTIONS SHEETS 1-40
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300	TRAFFIC CONTROL PLAN SHEET
301	NESTED GUARDRAIL SYSTEM DETAIL SHEET
302-304	GUARDRAIL APPROACH SECTION DETAIL SHEETS 1-3
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	BRIDGE JOINT ASPHALTIC PLUG (STRUCTURES DETAIL SD-516.10)

VTRANS STANDARDS

B-5	06-01-94
B-12	06-01-94
B-71	07-08-05
D-6	06-01-94
E-100	01-02-04
E-101	05-30-03
E-102	06-30-03
E-102A	05-01-04
E-103	03-01-04
E-106	03-01-04
E-107	06-30-03
E-107A	06-08-09
E-108	06-08-09
E-110	08-08-95
E-111	03-11-97
E-121	08-08-95
E-123	03-16-04
E-136B	08-08-95
E-138	05-30-03
E-141	09-20-95
E-164	06-08-09
E-191	02-01-99
E-193	08-18-95
G-1	01-03-00
G-1B	06-01-94
G-1D	01-03-00

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886

INDEX OF SHEETS

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048Ind.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 2 OF 310

GPS CONTROL POINTS

HVCTRL #1

TWIN RIVERS

NORTH = 575426.066
EAST = 1546006.782
ELEV. = 1084.389

GENERAL LOCATION, WARREN, VERMONT. TO REACH FROM THE INTERSECTION OF VERMONT ROUTES 100 AND 17 IN WAITSFIELD GO SOUTH ALONG ROUTE 100 FOR 7.6 MI (12.2 KM) TO THE MARK ON THE RIGHT. THE MARK IS SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT SET 1.4 M (4.6 FT) DEEP. IT IS 3.1 M (10.2 FT) WEST OF AND ABOUT 0.5 M (1.6 FT) LOWER THAN THE WEST EDGE OF PAVEMENT OF ROUTE 100, 17.0 M (55.8 FT) OF POLE NO.123, 13.7 M (44.9 FT) WEST OF MILE MARKER 1000/1217/0131, 29.0 M (95.1 FT) NORTH OF THE THE CENTERLINE OF A PAVED DRIVE, AND 3.1 M (10.2 FT) EAST OF A FIBERGLASS WITNESS POST.

HVCTRL #2

TWIN RIVERS AZ MK

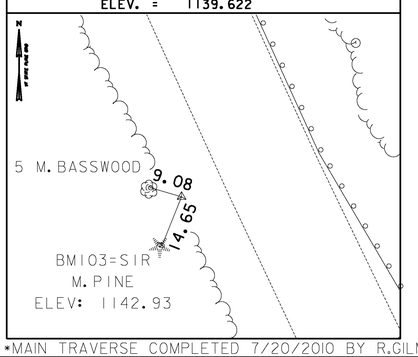
NORTH = 576661.636
EAST = 1546135.985
ELEV. = 1089.480

GENERAL LOCATION, WARREN, VERMONT. TO REACH FROM THE INTERSECTION OF VERMONT ROUTES 100 AND 17 IN WAITSFIELD GO SOUTH ALONG ROUTE 100 FOR 7.35 MI (11.83 KM) TO THE MARK ON THE LEFT. THE MARK IS SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT SET 1.3 M (4.3 FT) DEEP. IT IS 4.7 M (15.4 FT) EAST OF AND ABOUT 0.5 M (1.6 FT) HIGHER THAN THE EAST EDGE OF PAVEMENT OF ROUTE 100, 7.2 M (23.6 FT) WEST THE CENTERLINE OF A GRAVEL ROAD, 9.2 M (30.2 FT) NORTH OF POLE NO.119, AND 5.2 M (17.1 FT) NORTH OF A 15 CM WHITE BIRCH AND A FIBERGLASS WITNESS POST.

TRAVERSE TIES

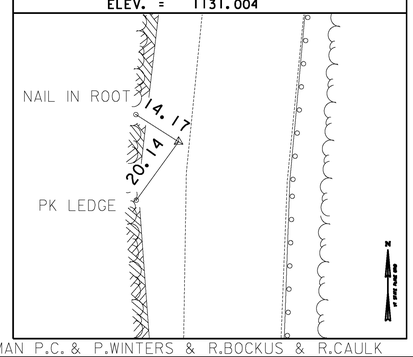
HVCTRL #103

NORTH = 573279.041
EAST = 1545698.709
ELEV. = 1139.622



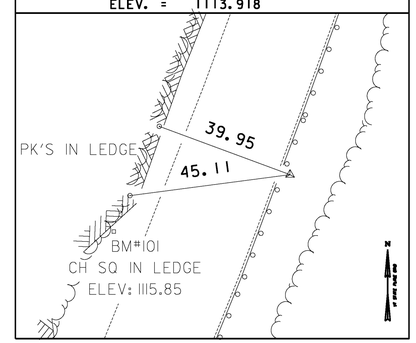
HVCTRL #102

NORTH = 573688.777
EAST = 1545627.506
ELEV. = 1131.004



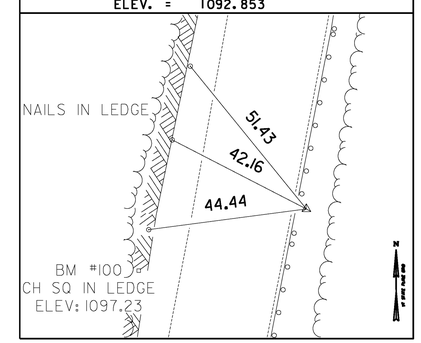
HVCTRL #101

NORTH = 574141.927
EAST = 1545812.023
ELEV. = 1113.918



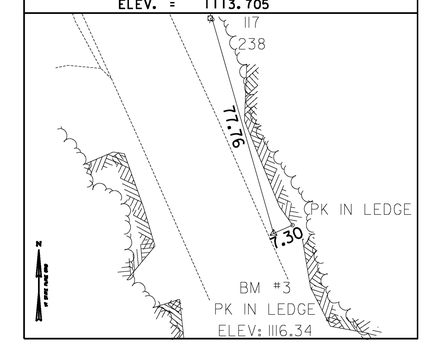
HVCTRL #100

NORTH = 574947.154
EAST = 1545989.076
ELEV. = 1092.853



HVCTRL #3

NORTH = 577192.016
EAST = 1545941.338
ELEV. = 1113.705

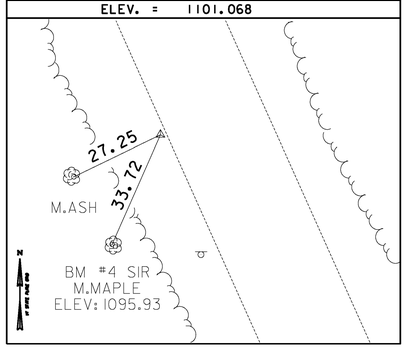


*MAIN TRAVERSE COMPLETED 7/20/2010 BY R.GILMAN P.C. & P.WINTERS & R.BOCKUS & R.CAULK

TRAVERSE TIES

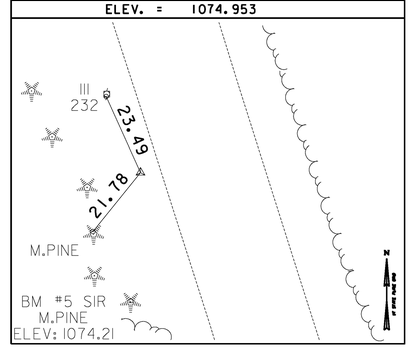
HVCTRL #4

NORTH = 577646.939
EAST = 1545706.485
ELEV. = 1101.068



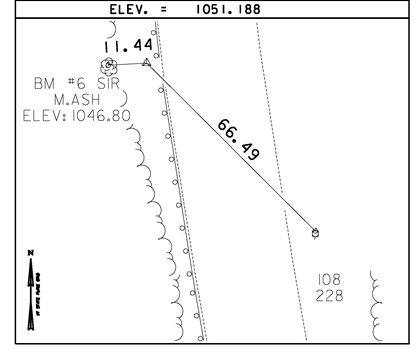
HVCTRL #5

NORTH = 578692.563
EAST = 1545304.250
ELEV. = 1074.953



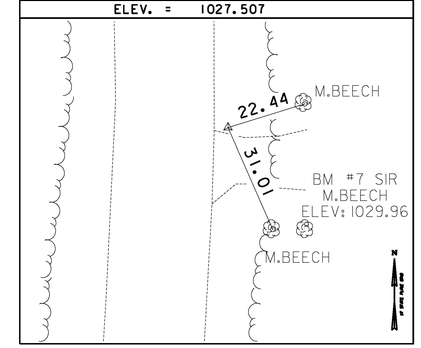
HVCTRL #6

NORTH = 579766.325
EAST = 1545047.800
ELEV. = 1051.188



HVCTRL #7

NORTH = 580496.362
EAST = 1545112.833
ELEV. = 1027.507



HVCTRL #8

NORTH = 580914.973
EAST = 1545006.679
ELEV. = 1016.560

NOT TIED

NOT TO SCALE

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD (96)
ADJUSTMENT	COMPASS

TIE SHEET #1

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048b1t1.i

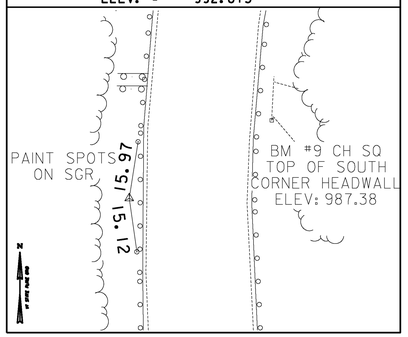
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 3 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

TRAVERSE TIES

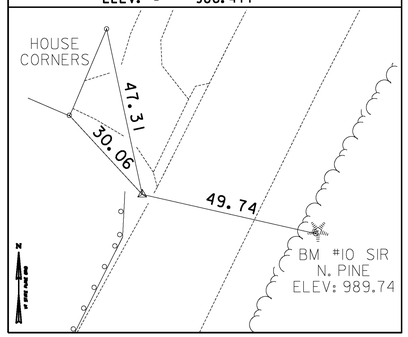
HVCTRL #9

NORTH =	581351.666
EAST =	1544866.335
ELEV. =	992.873



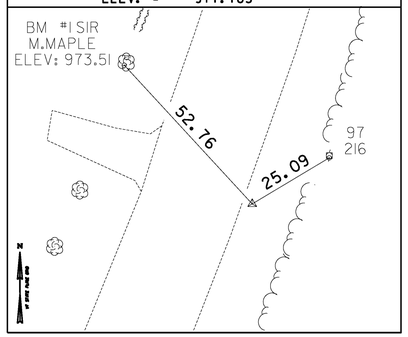
HVCTRL #10

NORTH =	582158.270
EAST =	1545142.126
ELEV. =	986.411



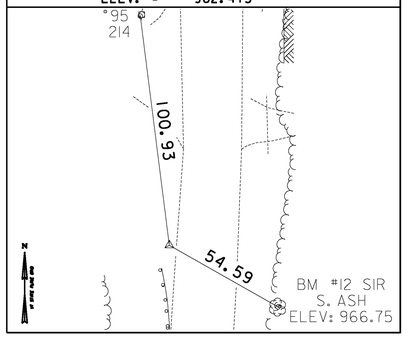
HVCTRL #11

NORTH =	582861.726
EAST =	1545529.322
ELEV. =	977.783



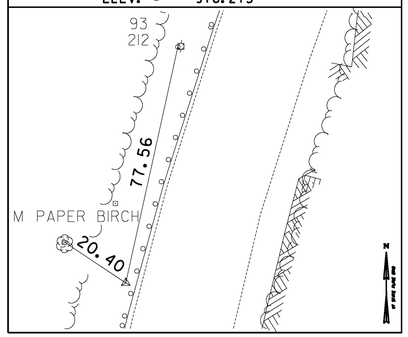
HVCTRL #12

NORTH =	583419.773
EAST =	1545610.328
ELEV. =	962.413



HVCTRL #13

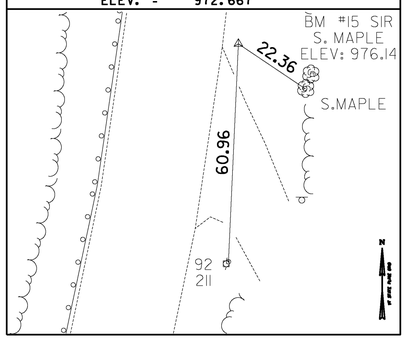
NORTH =	583910.467
EAST =	1545628.785
ELEV. =	976.275



TRAVERSE TIES

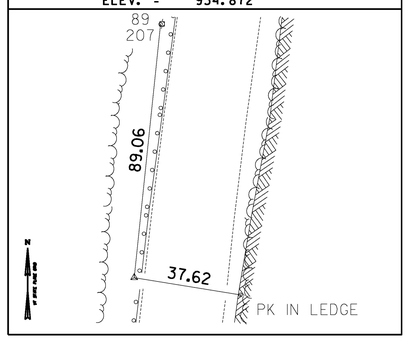
HVCTRL #14

NORTH =	584264.291
EAST =	1545768.747
ELEV. =	972.667



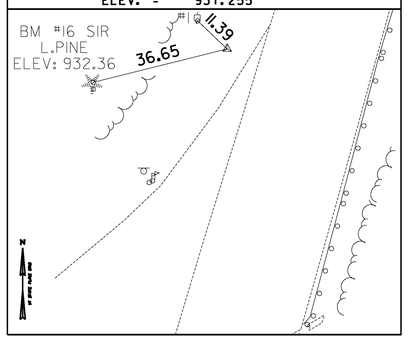
HVCTRL #15

NORTH =	584926.992
EAST =	1545729.709
ELEV. =	934.872



HVCTRL #16

NORTH =	585835.284
EAST =	1545923.606
ELEV. =	931.255



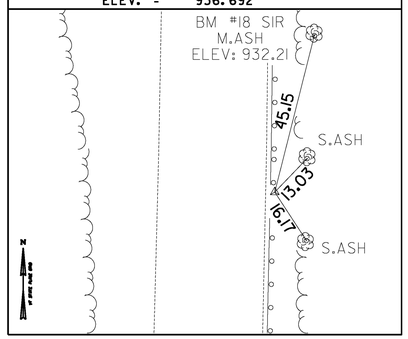
HVCTRL #17

NORTH =	586964.534
EAST =	1546297.626
ELEV. =	955.300

NOT TIED

HVCTRL #18

NORTH =	587969.288
EAST =	1546477.370
ELEV. =	936.692



TRAVERSE TIES

HVCTRL #19

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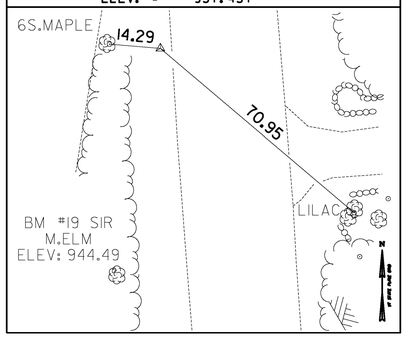
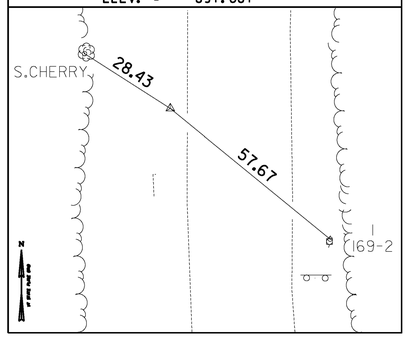
EAST =	1546429.637
ELEV. =	937.431



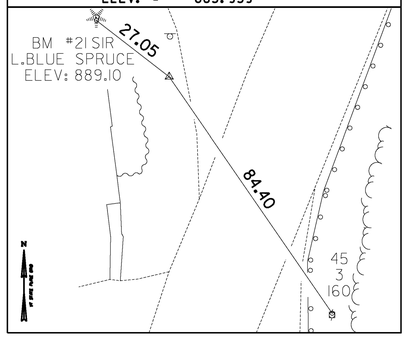
HVCTRL #20

NORTH =	589479.759
EAST =	1546358.413
ELEV. =	897.687



HVCTRL #21

NORTH =	590100.923
EAST =	1546460.210
ELEV. =	885.939



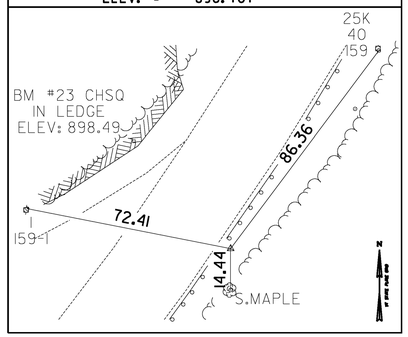
HVCTRL #22

NORTH =	590689.178
EAST =	1546895.531
ELEV. =	900.644

NOT TIED

HVCTRL #23

NORTH =	591083.147
EAST =	1547331.596
ELEV. =	896.101



NOT TO SCALE

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD (96)
ADJUSTMENT	COMPASS

TIE SHEET #2

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048bl+2.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 4 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

TRAVERSE TIES

HVCTRL #99

SUGARBUSH AZ MK

NORTH = 594971.973
EAST = 1548979.402
ELEV. = 812.597

DESCRIBED BY VERMONT AGENCY OF TRANSPORTATION 1996 (DJM) GENERAL LOCATION - THE STATION IS LOCATED IN THE TOWN OF WARREN, 1.1 MI (1.8 KM) NORTH NORTHEAST OF WARREN VILLAGE, 4.5 MI (7.2 KM) SOUTH SOUTHWEST OF WAITSFIELD, AND 10 MI (16.1 KM) WEST OF NORTHFIELD. TO REACH FROM THE JUNCTION OF VERMONT ROUTE 100 AND VERMONT ROUTE 17 IN THE VILLAGE OF IRASVILLE, PROCEED SOUTHERLY ALONG ROUTE 100 FOR 3.8 MI (6.1 KM) TO THE MARK ON THE LEFT. TO REACH FROM THE JUNCTION OF VERMONT ROUTE 100 AND THE SUGARBUSH ACCESS ROAD IN WARREN, PROCEED 0.4 MI (0.6 KM) SOUTH ALONG ROUTE 100 TO THE MARK ON THE LEFT. TO REACH FROM THE JUNCTION OF VERMONT ROUTE 100 AND VERMONT ROUTE 125 IN HANCOCK, PROCEED NORTHERLY ALONG ROUTE 100 FOR 16.2 MI (26.1 KM) TO THE MARK ON THE RIGHT. THE MARK IS A STATE OF VERMONT SURVEY DISK SET IN THE TOP OF A CONCRETE MONUMENT 30 CM IN DIAMETER FLUSH WITH THE GROUND SURFACE. IT IS LOCATED 21.5 FT (6.6 M) SOUTH SOUTHWEST FROM THE SOUTHERLY END OF A THREE CABLE GUARDRAIL, 20.5 FT (6.2 M) SOUTHEAST FROM THE CENTERLINE OF VERMONT ROUTE 100, 20.5 FT (6.2 M) SOUTHWEST FROM UTILITY POLE 25, 3 FT (0.9 M) FROM A FIBERGLASS WITNESS POST. OWNERSHIP IS THE STATE OF VERMONT.

HVCTRL #98

SUGARBUSH

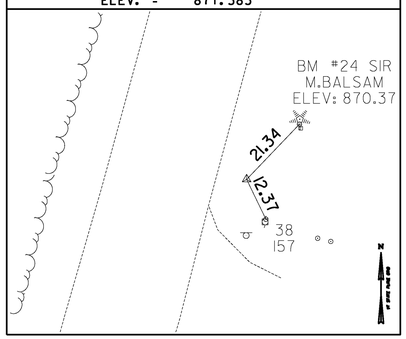
NORTH = 596983.422
EAST = 1549558.955
ELEV. = 814.106

DESCRIBED BY VERMONT AGENCY OF TRANSPORTATION 1996 (DJM) GENERAL LOCATION, WARREN, VT. TO REACH FROM THE INTERSECTION OF VT ROUTE 100 AND VT ROUTE 17 IN IRASVILLE VILLAGE GO SOUTH ALONG ROUTE 100 FOR 3.4 MI (5.5 KM) TO THE SITE OF MARK ON THE NORTHWEST SIDE OF THE ROAD AT THE INTERSECTION OF ROUTE 100 AND THE SUGARBUSH ACCESS ROAD. THE MARK IS A STATE OF VERMONT SURVEY MARK DISK SET IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT FLUSH WITH GROUND SURFACE. IT IS 21 FT (6.4 M) N55W FROM THE CENTERLINE OF ROUTE 100, 52.5 FT (16.0 M) NORTH OF THE CENTERLINE INTERSECTION OF ROUTE 100 AND THE SUGARBUSH ACCESS ROAD, 30 FT (9.1 M) N70E FROM POLE NO.50/01, 72.5 FT (22.1 M) S10E FROM THE NORTHEAST CORNER OF A 1.5 STORY WOOD FRAME BUILDING, 47 FT (14.3 M) S40E FROM THE SOUTHEAST CORNER OF THE BUILDING.

TRAVERSE TIES

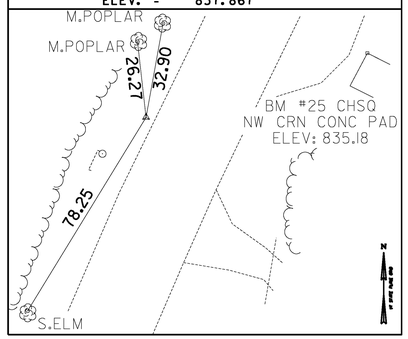
HVCTRL #24

NORTH = 591645.726
EAST = 1547572.031
ELEV. = 871.383



HVCTRL #25

NORTH = 592414.595
EAST = 1547773.751
ELEV. = 837.867



HVCTRL #26

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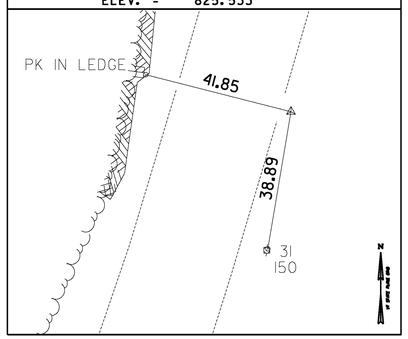
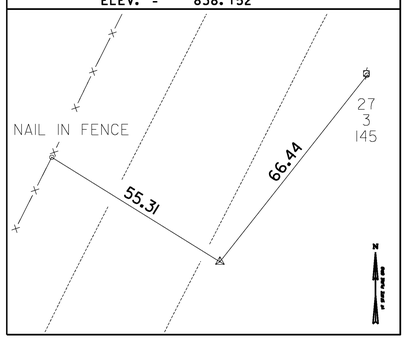
EAST = 1548155.437
ELEV. = 825.533



HVCTRL #27

NORTH = 594031.499
EAST = 1548510.278
ELEV. = 838.152



HVCTRL #33

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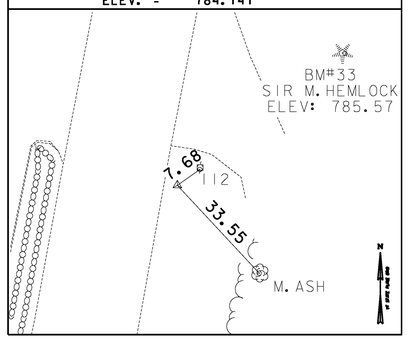
EAST = 1550902.804
ELEV. = 784.141



TRAVERSE TIES

HVCTRL #34

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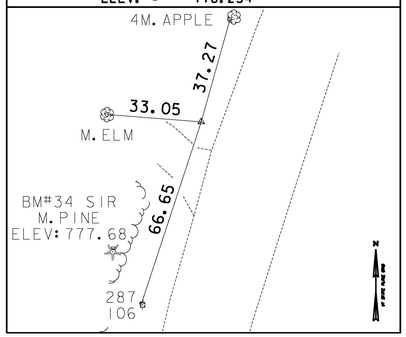
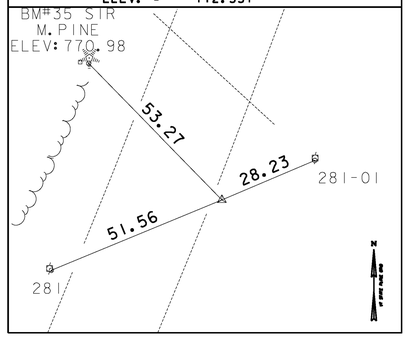
EAST = 1551010.389
ELEV. = 778.234



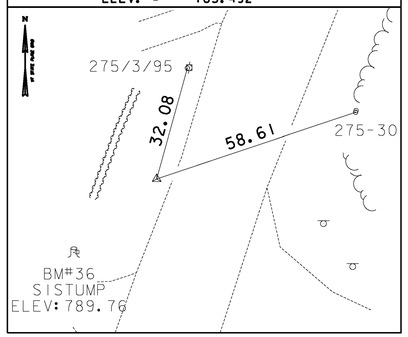
HVCTR; #35

NORTH = 601358.939
EAST = 1551410.560
ELEV. = 772.337



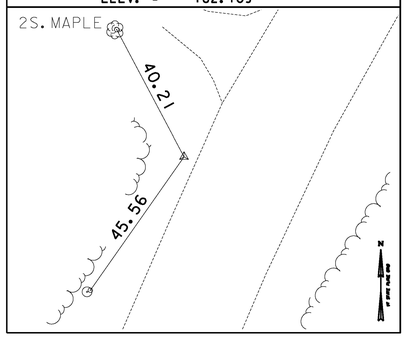
HVCTRL #36

NORTH = 602306.261
EAST = 1551712.514
ELEV. = 785.492



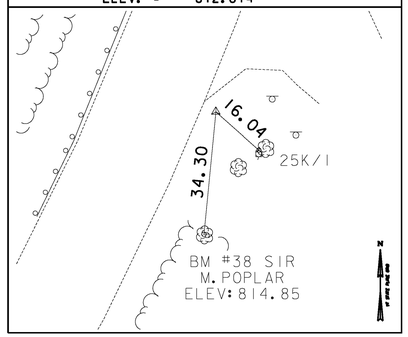
HVCTRL #37

NORTH = 603064.291
EAST = 1551934.613
ELEV. = 782.109



HVCTRL #38

NORTH = 603467.431
EAST = 1552226.084
ELEV. = 812.814



NOT TO SCALE

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD (96)
ADJUSTMENT	COMPASS

TIE SHEET #3

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048b1t3.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 5 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

TRAVERSE TIES

HVCTRL #49

IRASVILLE AZ

NORTH = 608604.820
EAST = 1553434.080
ELEV. = 740.940

DESCRIBED BY VERMONT AGENCY OF TRANSPORTATION 1996 (DJM) GENERAL LOCATION, WAITSFIELD, ABOUT 1 MI (1.6 KM) SOUTH OF IRASVILLE VILLAGE. TO REACH FROM THE JCT OF RTE 100 AND 17 IN IRASVILLE VILLAGE GO SOUTH ALONG RTE 100 FOR 1.0 MI (1.6 KM) TO THE SITE OF MARK ON THE EAST SIDE OF THE ROAD, NORTH OF A GRAVEL DRIVE. OWNERSHIP, STATE OF VERMONT. STATION MARK IS A STATE OF VERMONT SURVEY MARK DISK SET IN THE TOP OF A 30-CM DIAMETER CONCRETE MONUMENT FLUSH WITH GROUND SURFACE. IT IS 18.5 FT (5.6 M) EAST OF THE CENTERLINE OF RTE 100, 41 FT (12.5 M) EAST OF POLE NO.23, 62 FT (18.9 M) NORTH OF THE NORTHWEST CORNER OF A 1.5 STORY WOOD FRAME HOUSE.

HVCTRL #50

IRASVILLE

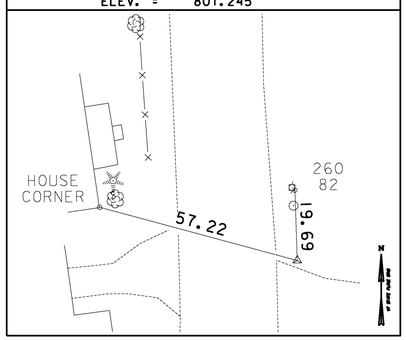
NORTH = 610915.770
EAST = 1552896.780
ELEV. = 724.740

DESCRIBED BY VERMONT AGENCY OF TRANSPORTATION 1996 (DJM) GENERAL LOCATION, WAITSFIELD, ABOUT 0.6 MI (1.0 KM) SOUTH OF THE VILLAGE OF IRASVILLE. TO REACH FROM THE JCT OF RTE 100 AND RTE 17 IN THE VILLAGE OF IRASVILLE GO SOUTH ALONG RTE 100 FOR ABOUT 0.6 MI (1.0 KM) TO THE SITE OF MARK ON THE EAST SIDE OF THE ROAD. OWNERSHIP, STATE OF VERMONT STATION MARK, A STATE OF VERMONT SURVEY MARK DISK SET IN THE TOP OF A 30-CM DIAMETER CONCRETE MONUMENT FLUSH WITH GROUND SURFACE. IT IS 21.5 FT (6.6 M) EAST OF THE CENTERLINE OF RTE 100, 30 FT (9.1 M) NORTH OF A REDUCED SPEED AHEAD SIGN, 75 FT (22.9 M) SOUTH OF THE CENTERLINE OF A GRAVEL DRIVE, 96 FT (29.3 M) SOUTH OF GUY POLE NO.223.

TRAVERSE TIES

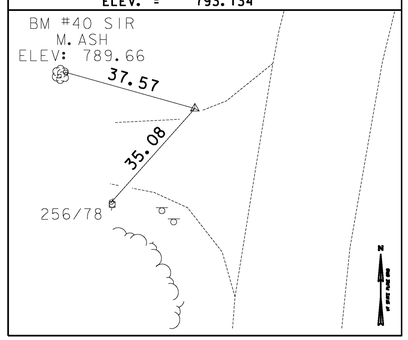
HVCTRL #39

NORTH = 604552.684
EAST = 1552519.862
ELEV. = 801.245



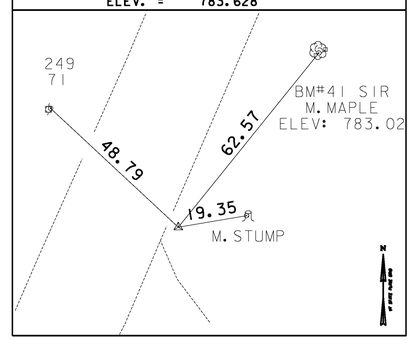
HVCTRL #40

NORTH = 605306.087
EAST = 1552446.406
ELEV. = 793.134



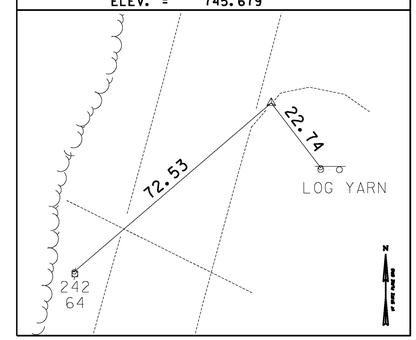
HVCTRL #41

NORTH = 606367.652
EAST = 1552937.118
ELEV. = 783.628



HVCTRL #42

NORTH = 607567.848
EAST = 1553406.268
ELEV. = 745.679



NORTH =
EAST =
ELEV. =

TRAVERSE TIES

NORTH =
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NORTH =
EAST =
ELEV. =

NOT TO SCALE

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD (96)
ADJUSTMENT	COMPASS

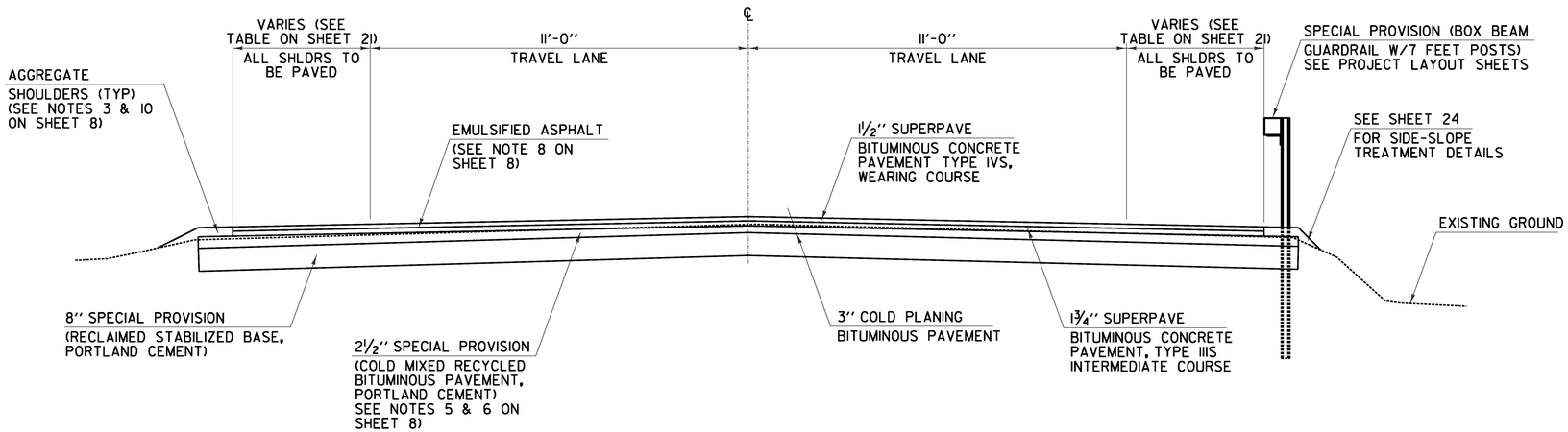
TIE SHEET #4

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

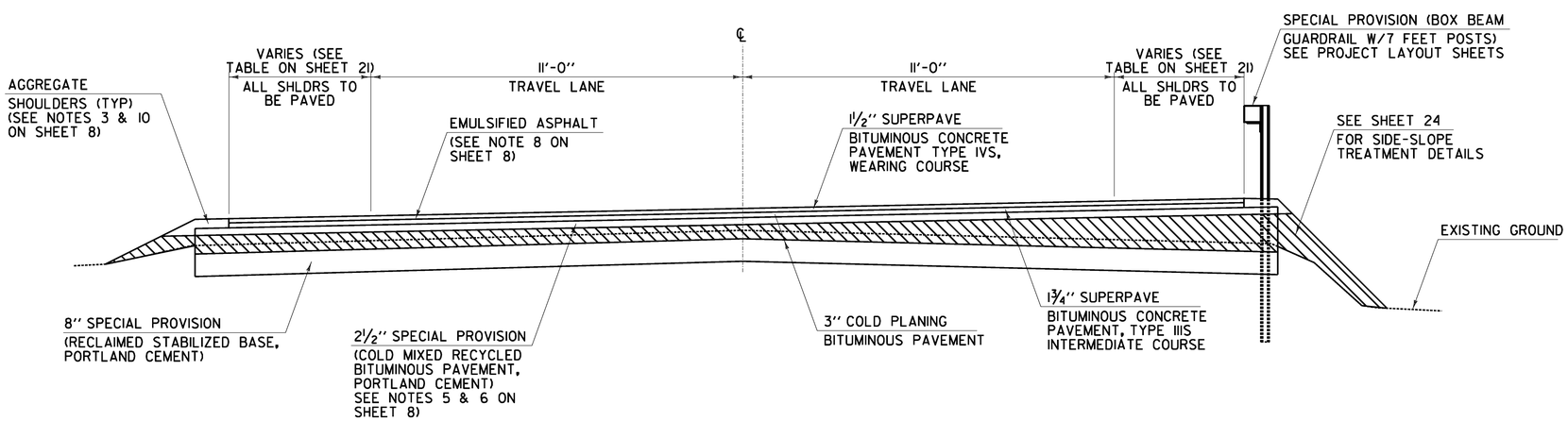
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048bl14.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 6 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886



VERMONT ROUTE 100 TYPICAL SECTION



VERMONT ROUTE 100 IN SUPERELEVATION CORRECTION AREAS TYPICAL SECTION

ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED USED TO CORRECT SUPERELEVATION OR TO BUILD ROAD UP TO PROPOSED GRADE.

NOT TO SCALE

PROJECT TYPICAL SHEET #1	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p05b048typl.1	SHEET 7 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

NOTES

1. APPROXIMATE WETLAND LOCATIONS HAVE BEEN IDENTIFIED. SEE PROJECT LAYOUT SHEETS FOR LOCATIONS. THE CONTRACTOR SHALL ACQUIRE THE NECESSARY STATE AND FEDERAL PERMITS IF WORK GOES BEYOND THE EXISTING TOE OF SLOPE.

2. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. A FULL-DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN AND END, AND AT ALL SIDE ROAD APPROACHES AS DENOTED ON THE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER.

3. PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO THE DEPTH OF RECLAIMING OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEM(S). THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEM(S) SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. AN ADDITIONAL QUANITY OF 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION.

4. DURING THE FIRST RECLAIM PASS WATER SHALL BE USED AS A STABILIZING AGENT AND FOR COMPACTION FOR THE RECLAIMED STABILIZED BASE AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 310.20 RECLAIMED STABILIZED BASE. THE FIRST RECLAIM PASS SHALL BE PERFORMED OVER THE FULL WIDTH OF THE EXISTING ROADWAY. THIS WORK SHALL BE PAID UNDER ITEM 310.20 "RECLAIMED STABILIZED BASE". THE SECOND PASS SHALL BE PERFORMED FULL WIDTH PER THE TYPICAL SECTION. THIS WORK SHALL BE PAID UNDER ITEM 900.675 SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT).

5. THE PORTLAND CEMENT STABILIZED COLD MIX SHALL BE PRODUCED FROM THE COLD PLANE GRINDINGS GENERATED FROM THE PROJECT AND PAID FOR UNDER ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT). IF THERE IS NOT A SUFFICIENT AMOUNT OF COLD PLANE GRINDINGS AVAILABLE TO PRODUCE THE 2½" LIFT OF PORTLAND CEMENT STABILIZED COLD MIX, THE CONTRACTOR SHALL OBTAIN THE NECESSARY MATERIAL FROM ANOTHER SOURCE. THE COST ASSOCIATED WITH PROVIDING ADDITIONAL COLD PLANE GRINDINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT).

6. FOR THE PURPOSES OF QUANTITY CALCULATION THE FOLLOWING ASSUMPTIONS HAVE BEEN MADE: ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) WILL REQUIRE 4% BY WEIGHT OF ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX; ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION) WAS ESTIMATED AT 4% BY WEIGHT OF ITEM 900.675 SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT); ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING) WAS ESTIMATED AT 1% BY WEIGHT OF ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT); AND ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT) WAS ESTIMATED AT AN APPLICATION RATE OF 0.15 GAL/SY.

7. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- ¼" (TOTAL PAVEMENT THICKNESS). SUBBASE OF CRUSHED GRAVEL, FINE GRADED TOLERANCE = +/- 1" (TOTAL SUBBASE THICKNESS).

8. EMULSIFIED ASPHALT TYPE CRS-1H OR RS-1H SHALL BE APPLIED AS A TACK COAT IN BETWEEN ALL BITUMINOUS PAVEMENT COURSES (WHERE APPLICABLE) AT THE RATE OF 0.025 TO 0.040 GAL/SY OR AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER ITEM 900.683, "SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)". IF ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX IS SPECIFIED IN THE MIX DESIGN AS A CATIONIC EMULSION AND USED IN THE PRODUCTION OF ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) THEN CRS-1H SHALL BE USED FOR TACK BETWEEN SUCCESSIVE LAYERS OF COLD MIX BASE COURSE AND PRIOR TO PLACEMENT OF THE TYPE IIIS BITUMINOUS CONCRETE PAVEMENT. AN APPLICATION RATE OF 0.040 TO 0.060 GAL/SY SHALL BE USED AS DIRECTED BY THE ENGINEER.

9. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, THE INTERMEDIATE COURSE SHALL BE TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, AND THE BASE COURSE SHALL BE SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT). ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SUBSECTION 490.03B.

10. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.

11. ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A PAVED APRON OF 4' AND ALL FIELD DRIVES SHALL RECEIVE A 2' PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 900.675, "SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)".

12. ITEM 613.10 STONE FILL, TYPE 1; ITEM 651.40 GRUBBING MATERIAL; ITEM 649.31 GEOTEXTILE UNDER STONE FILL; ITEM 653.20 TEMPORARY EROSION MATTING; AND ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1 HAVE BEEN INCLUDED FOR AREAS WITH PROPOSED SIDE SLOPES OF 1:1.5 OR STEEPER AND TO PROVIDE FOR REPAIR OF EXISTING STONE LINED DRAINAGE OUTLETS OR WASHOUTS LOCATED ALONG THE ROADWAY SIDE SLOPES AS DIRECTED BY THE ENGINEER.

13. ITEM 653.20 TEMPORARY EROSION MATTING HAS BEEN INCLUDED FOR AREAS WITH PROPOSED SIDE SLOPES STEEPER THAN 1:2 BUT FLATTER THAN 1:1.5 AS DIRECTED BY THE ENGINEER.

14. PIPE INLET AND OUTLET AREAS OF DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE RENTAL ITEM(S).

15. DAMAGE TO ANY DI'S, CROSS-CULVERTS OR OTHER DRAINAGE FEATURES SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.

16. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER.

17. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 7' POSTS SHALL BE USED FOR ALL BOX BEAM GUARDRAIL INSTALLATIONS.

18. ESTIMATED QUANTITIES OF ITEMS 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE 1", 608.37, "TRUCK RENTAL", AND 608.40, "LOADER RENTAL, TYPE 1" HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL AND THE REMOVAL OF BUILT UP EXCESS SHOULDER MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30, "EARTH BORROW" HAS BEEN INCLUDED FOR USE WITH THE GUARDRAIL END SECTIONS. 25 CY OF ITEM 203.30, "EARTH BORROW" HAS BEEN ESTIMATED FOR EACH NEW END SECTION. GUARDRAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF ITEM 651.35, "TOPSOIL" UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 CY OF ITEM 651.35, "TOPSOIL" FOR EACH NEW GUARDRAIL END SECTION. ITEM 653.20, "TEMPORARY EROSION MATTING" SHALL BE PLACED ON SLOPES GREATER THAN 1:6 CREATED BY THE GUARDRAIL END SECTIONS. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, "TEMPORARY EROSION MATTING" FOR EACH NEW GUARDRAIL END SECTION. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED AND SEEDED USING ITEM 651.35, "TOPSOIL" AND ITEM 651.15, "SEED".

NOTES (CON'T.)

19. AN ESTIMATED QUANTITY OF ITEM 649.51 GEOTEXTILE FOR SILT FENCE AND ITEM 653.60 EROSION LOG SHALL BE USED AT LOCATIONS DETERMINED BY THE ENGINEER. FOR ESTIMATING PURPOSES, IT WAS ASSUMED THAT THESE ITEMS WOULD BE PLACED APPROXIMATELY ALONG THE TOE-OF-SLOPE AT ALL STONE FILL INSTALLATIONS WITH SILT FENCE TO BE USED WHERE EXCAVATION IS IN CLOSE PROXIMITY TO ACTIVE WATER COURSES.

20. WHEN FINISHED GRADE HAS BEEN MET, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS BEING RETAINED ARE IN CONFORMANCE WITH VTRANS STANDARD E-121 AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITIES OF ITEM 675.341 SQUARE TUBE SIGN POST AND ANCHOR, ITEM 675.50 REMOVING SIGNS, AND ITEM 675.60 ERECTING SALVAGED SIGNS HAVE BEEN INCLUDED.

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80.0			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS/ACRE (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.

TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

POSSIBLE ORDER OF OPERATIONS FOR RECLAIMED STABILIZED BASE WITH PORTLAND CEMENT PAVEMENT REHABILITATION

STEP	DESCRIPTION	PAYMENT ITEM(S)
1	COLD PLANE EXISTING SURFACE 3"	ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT
2	REPAIR EXISTING SHOULDERS AS DIRECTED BY THE ENGINEER	ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED
3	RECLAIM EXISTING ROADBED 8" FROM TOP OF SLOPE TO TOP OF SLOPE USING WATER FOR STABILIZATION AND COMPACTION	ITEM 310.20 RECLAIMED STABILIZED BASE.
4	CORRECT SUPERELEVATION DEFICIENCIES	ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED (SEE NOTE 3)
5	PLACE PORTLAND CEMENT ON ROADBED SURFACE AND RECLAIM ROADBED 8", CURE, MICROCRACK, AND APPLY FOG SEAL SURFACE TREATMENT	ITEM 900.675 SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT), AND ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION), AND ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)
6	PLACE 2½" COLD MIXED RECYCLED ASPHALT SURFACE WITH PORTLAND CEMENT AND USE EMULSIFIED ASPHALT AS A LIQUID BINDER	ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX, ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT), AND ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING).
7	PLACE 1¾" TYPE IIIS INTERMEDIATE COURSE	ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
8	PLACE 1½" TYPE IVS WEARING COURSE	ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT

NOTE:

1. THIS LIST OF PROCEDURES FOR REHABILITATING THE EXISTING ROADBED IS PRESENTED FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL PREPARE THEIR OWN SCHEDULE OF OPERATIONS TO COMPLETE THE PROPOSED WORK IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS WHILE UTILIZING THE APPROPRIATE PAY ITEMS AS SHOWN IN THE PLANS AS DIRECTED BY THE ENGINEER.

PROJECT TYPICAL SHEET #2

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048typ2.i

PLOT DATE: 12/21/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 8 OF 310

FILE NAME = U:\17782\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/21/2012
USER = 4686

QUANTITY SHEET 1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS			
	FULL C.E. TIEMS	BRIDGE	TRAINING	ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
				1	1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	
				2300	2300		CY	UNCLASSIFIED EXCAVATION	203.17	14.0
				3500	3500		CY	EARTH BORROW	203.30	85.0
				5	5		CY	GRANULAR BORROW	203.32	2.0
				3300	3300		CY	TRENCH EXCAVATION OF EARTH	204.20	72.7
				1100	1100		CY	TRENCH EXCAVATION OF ROCK	204.21	15.5
				1	1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	
				3	3		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	1.0
				137,000	137,000		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	935.0
				32,000	32,000		TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	354.0
				136,500	136,500		SY	RECLAIMED STABILIZED BASE	310.20	435.0
				1650	1650		TON	AGGREGATE SHOULDERS	402.12	19.2
				1	1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	
				17,600	17,600		CWT	EMULSIFIED ASPHALT, COLD MIX	415.25	29.0
				28,500	28,500		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	490.0
				1	1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	
				1	1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	
				1	1		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	
				1	1		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	
		300			300		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	13.25
		1000			1000		LF	REMOVAL OF EXISTING BRIDGE RAILING	525.10	18.75
		75			75		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
				8	8		LF	18" CSP .064 (2-2/3 X 1/2)	601.0015	
				4	4		LF	18" RCP CLASS III	601.0815	
				4	4		LF	18" CPEP(SL)	601.2615	
				2	2		EACH	PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE	604.18	
				1	1		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	
				13,800	13,800		LF	8 INCH UNDERDRAIN PIPE	605.11	80.0

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		EARTH BORROW
1715	CY	MAIN STREET
1700	CY	GUARDRAIL END SECTIONS
85	CY	ROUNDING
3500	CY	TOTAL
		COLD PLANING, BITUMINOUS PAVEMENT
128,360	SY	MAINLINE
6933	SY	SIDE ROADS
772	SY	MAIN STREET
935	SY	ROUNDING
137,000	SY	TOTAL
		SUBBASE OF CRUSHED GRAVEL, FINE GRADED
31,484	TON	SUPERELEVATION CORRECTION
162	TON	MAIN STREET
354	TON	ROUNDING
32,000	TON	TOTAL
		RECLAIMED STABILIZED BASE
128,360	SY	MAINLINE
6933	SY	SIDE ROADS
772	SY	MAIN STREET
435	SY	ROUNDING
136,500	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
12,328	TON	WEARING COURSE (TYPE IVS)
14,155	TON	INTERMEDIATE COURSE (TYPE IIIS)
607	TON	SIDE ROADS - WEARING (TYPE IVS)
708	TON	SIDE ROADS - INTERMEDIATE (TYPE IIIS)
71	TON	MAIN STREET - WEARING (TYPE IVS)
95	TON	MAIN STREET - INTERMEDIATE (TYPE IIIS)
46	TON	PULLOUTS AND PARKING (TYPE IVS)
490	TON	ROUNDING
28,500	TON	TOTAL
		TRENCH EXCAVATION OF EARTH
3220.3	CY	UNDERDRAIN INSTALLATION
7.0	CY	DRAINAGE
72.7	CY	ROUNDING
3300.0	CY	TOTAL
		TRENCH EXCAVATION OF ROCK
1073.5	CY	UNDERDRAIN INSTALLATION
11.0	CY	DRAINAGE
15.5	CY	ROUNDING
1100.0	CY	TOTAL

QUANTITY SHEET #1

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048quan1.i

PLOT DATE: 12/21/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 9 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/21/2012
USER = 4865

QUANTITY SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
	FULL C.E. TIEMS	BRIDGE	TRAINING	ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
				60	60		HR	POWER GRADER RENTAL	608.15	EST.			
				1500	1500		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.			
				45	45		HR	POWER BROOM RENTAL, TYPE I	608.30	EST.			
				2000	2000		HR	TRUCK RENTAL	608.37	EST.			
				40	40		HR	LOADER RENTAL, TYPE I	608.40	EST.			
				2800	2800		CY	STONE FILL, TYPE I	613.10	77.9			
				100	100		CY	STONE FILL, TYPE II	613.11	EST.			
				225	225		EACH	YIELDING MARKER POSTS	619.17	7.0			
				750	750		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	13.0			
				25	25		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS	621.217				
				6	6		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60				
				1	1		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I	621.70				
				3	3		EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II	621.71				
				16,000	16,000		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	52.2			
				2750	2750		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
				8100	8100		HR	FLAGGERS	630.15	EST.			
	1				1		LS	FIELD OFFICE, ENGINEERS	631.10				
	1				1		LS	TESTING EQUIPMENT, CONCRETE	631.16				
	1				1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17				
	3000				3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26				
			1040		1040		HR	EMPLOYEE TRAINEESHIP	634.10				
				1	1		LS	MOBILIZATION/DEMOBILIZATION	635.11				
				1	1		LS	TRAFFIC CONTROL	641.10				
				2	2		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15				
								BEGIN OPTION AA					
				84,000	84,000		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	613.0			
				84,000	84,000		LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	613.0			
				84,000	84,000		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	613.0			

QUANTITY SHEET #2

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048quan2.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 10 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 14985

QUANTITY SHEET 3

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
	FULL C.E. TIEMS	BRIDGE	TRAINING	ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								END OPTION AA					
								BEGIN OPTION BB					
				82,000	82,000		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	657.0			
				82,000	82,000		LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	657.0			
				82,000	82,000		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	657.0			
								END OPTION BB					
								BEGIN OPTION CC					
				650	650		LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	14.0			
				650	650		LF	DURABLE 8 INCH WHITE LINE, EPOXY PAINT	646.443	14.0			
				650	650		LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	14.0			
								END OPTION CC					
								BEGIN OPTION DD					
				500	500		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	18.0			
				500	500		LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	18.0			
				500	500		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	18.0			
								END OPTION DD					
								BEGIN OPTION EE					
				69	69		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492				
				69	69		EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493				
				69	69		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494				
								END OPTION EE					
				168,000	168,000		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	EST.			
				164,000	164,000		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	EST.			
				1000	1000		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	EST.			
				138	138		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	EST.			
				12,500	12,500		EACH	LINE STRIPING TARGETS	646.76	EST.			
				14,000	14,000		SY	GEOTEXTILE UNDER STONE FILL	649.31	182.3			
				3000	3000		SY	GEOTEXTILE FOR SILT FENCE	649.51	EST.			

QUANTITY SHEET #3

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048quan3.i

PLOT DATE: 12/21/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 11 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/21/2012
USER = 4865

QUANTITY SHEET 4

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS			
FULL C.E. TIEMS	BRIDGE	TRAINING	ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
			530	530		LB	SEED	651.15	10.0
			3500	3500		LB	FERTILIZER	651.18	EST.
			14	14		TON	AGRICULTURAL LIMESTONE	651.20	EST.
			14	14		TON	HAY MULCH	651.25	EST.
			500	500		CY	TOPSOIL	651.35	EST.
			10,000	10,000		SY	GRUBBING MATERIAL	651.40	27.8
			28,000	28,000		SY	TEMPORARY EROSION MATTING	653.20	139.8
			25,000	25,000		LF	EROSION LOG	653.60	EST.
			239	239		SF	TRAFFIC SIGNS, TYPE A	675.20	0.4
			1700	1700		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	48.0
			135	135		EACH	REMOVING SIGNS	675.50	
			58	58		EACH	ERECTING SALVAGED SIGNS	675.60	
			81	81		EACH	DELINEATOR WITH STEEL POST	676.10	
			16	16		EACH	REMOVAL OF EXISTING DELINEATOR	676.12	
			1	1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	
			16	16		EACH	SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM)	900.620	
			19,250	19,250		LF	SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)	900.640	158.0
	1000			1000		LF	SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM/FASCIA MOUNTED)	900.640	18.75
			152,000	152,000		SY	SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)	900.675	1391.0
			2200	2200		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	98.0
			152,000	152,000		SY	SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT)	900.675	1391.0
			49,650	49,650		TON	SPECIAL PROVISION (MATERIAL TRANSFER VEHICLE)	900.680	39.0
			2825	2825		TON	SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION)	900.680	14.0
			225	225		TON	SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING)	900.680	5.0
			1200	1200		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	21.0
			1900	1900		CWT	SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)	900.683	16.0

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		SEED
270	LB	DITCH CLEANING
250	LB	SIDE SLOPE TREATMENTS
10	LB	ROUNDING
530	LB	TOTAL
		TEMPORARY EROSION MATTING
16,188	SY	DITCH CLEANING
11,672.2	SY	SIDE SLOPE TREATMENTS
139.8	SY	ROUNDING
28,000	SY	TOTAL
		SQUARE TUBE SIGN POST AND ANCHOR
1106	LF	TRAFFIC SIGN SUMMARY SHEET
546	LF	ESTIMATED QUANTITY
48	LF	ROUNDING
1700	LF	TOTAL
		REMOVING SIGNS
98	EACH	TRAFFIC SIGN SUMMARY SHEET
37	EACH	ESTIMATED QUANTITY
135	EACH	TOTAL
		ERECTING SALVAGED SIGNS
21	EACH	TRAFFIC SIGN SUMMARY SHEET
37	EACH	ESTIMATED QUANTITY
58	EACH	TOTAL
		SPECIAL PROVISION (COLD MIXED RECYCLED BIT. PAVEMENT, PORTLAND CEMENT)
142,904	SY	MAINLINE
6933	SY	SIDE ROADS
772	SY	MAIN STREET
1391	SY	ROUNDING
152,000	SY	TOTAL

QUANTITY SHEET #4

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048quan4.i

PLOT DATE: 12/21/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 12 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/21/2012
USER = 4865

ITEM DETAIL SUMMARY SHEET #1

LOCATION			GUARDRAIL									MISCELLANEOUS									REMARKS
			203.30	621.205	621.217	621.60	621.70	621.71	621.80	900.620	900.640	604.412	613.10	649.31	649.51	651.15	651.40	653.20	653.60	676.10	
BEGIN STATION	END STATION	POS.	EARTH BORROW	S.B. GR, GALV. W/8 FT POSTS	H.D. S.B. GR, GALV. NESTED W/8 FT POSTS	ANCHOR FOR S.B. RAIL	GR APPROACH SECTION, GALV. TYPE I	GR APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	SPECIAL PROV. GR APPROACH SECTION, GALV. 2 RAIL BOX BEAM	SPECIAL PROV. (BOX BEAM RAIL W/7 FT POSTS)	REHAB. DI'S, CB'S, OR MH'S	STONE FILL, TYPE I	GEOTEXTILE UNDER STONE FILL	GEOTEXTILE FOR SILT FENCE	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	EROSION LOG	DEL. W/ STEEL POST	
			CY	LF	LF	EA	EA	EA	LF	EA	LF	EA	CY	SY	SY	LB	SY	SY	LF	EA	
WARREN:																					
44+88.0	335+17.1	LT/RT													1500				21,300		TO BE USED AS DIRECTED BY THE ENGINEER.
44+88.0	45+00.0	LT														0.2	6.4	6.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
44+88.0	58+92.0	RT	50.0						1194.0		1270.0		162.6	725.3		9.6	528.9	578.9		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
46+00.0	51+00.0	LT											82.8	352.5		4.0	241.4	241.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
52+50.0	59+50.0	LT											39.3	201.1		3.3	195.8	195.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
59+15.0	68+97.0	RT	50.0						981.0		982.0		67.9	317.9		5.1	254.4	304.4		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
61+00.0	68+00.0	LT											61.0	287.1		4.3	258.8	258.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
70+00.0	71+00.0	RT											17.0	71.8		0.9	49.6	49.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
73+00.7	81+10.8	RT	50.0						341.5	2	658.0		34.1	173.1		2.8	117.5	167.5		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 78+09.7 AND CONNECT TO FASCIA MOUNTED BRIDGE RAIL AT STA 78+42.0. SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 306 FOR BR 167 DETAILS. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 79+29.5 AND END AT STA 79+61.8. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
76+56.2	81+96.3	LT	50.0						419.5	2	388.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 78+23.2 AND CONNECT TO FASCIA MOUNTED BRIDGE RAIL AT STA 78+55.5. SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 306 FOR BR 167 DETAILS. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 79+43.0 AND END AT STA 79+75.3.
83+50.0	84+50.0	LT											6.5	68.1		0.8	45.8	45.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
84+50.0	89+00.0	RT											21.0	219.2		2.8	168.7	168.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
85+00.0	88+00.0	LT											27.6	124.5		2.0	118.7	118.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
88+63.5	100+07.5	LT	50.0						685.0		1144.0		118.7	522.7		6.6	344.9	394.9		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
89+50.0	91+50.0	RT											29.6	130.5		1.5	86.1	86.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
93+00.0	93+50.0	RT											11.6	45.1		0.6	34.0	34.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
95+00.0	96+00.0	RT											13.2	60.2		0.7	37.9	37.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
97+00.0	100+00.0	RT											30.4	153.7		1.5	87.1	87.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
100+75.0	102+00.0	LT											26.7	111.3		1.3	77.9	77.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
101+00.0	106+00.0	RT											56.2	251.8		3.5	207.1	207.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
THIS SHEET SUBTOTALS:			250.0						3621.0	4	4442.0		806.2	3815.9	1500	52.4	2861.0	3111.0	21,300	10	

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048ids1.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 13 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

ITEM DETAIL SUMMARY SHEET #2

LOCATION			GUARDRAIL									MISCELLANEOUS									
			203.30	621.205	621.217	621.60	621.70	621.71	621.80	900.620	900.640	604.412	613.10	649.31	649.51	651.15	651.40	653.20	653.60	676.10	REMARKS
BEGIN STATION	END STATION	POS.	EARTH BORROW	S.B. GR, GALV. W/8 FT POSTS	H.D. S.B. GR, GALV. NESTED W/8 FT POSTS	ANCHOR FOR S.B. RAIL	GR APPROACH SECTION, GALV. TYPE I	GR APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	SPECIAL PROV. GR APPROACH SECTION, GALV. 2 RAIL BOX BEAM	SPECIAL PROV. (BOX BEAM RAIL W/7 FT POSTS)	REHAB. DI'S, CB'S, OR MH'S	STONE FILL, TYPE I	GEOTEXTILE UNDER STONE FILL	GEOTEXTILE FOR SILT FENCE	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	EROSION LOG	DEL. W/ STEEL POST	
			CY	LF	LF	EA	EA	EA	LF	EA	LF	EA	CY	SY	SY	LB	SY	SY	LF	EA	
104+00.0	104+93.0	LT											5.4	53.6		0.6	31.3	31.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
105+24.0	106+60.0	LT	50.0								136.0		11.0	43.2		1.4	32.1	82.1		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
107+00.0	109+50.0	RT											34.9	156.9		1.7	101.3	101.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
108+26.5	127+98.5	LT	50.0						1205.0		1972.0		170.9	806.8		9.6	529.1	579.1		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
110+50.0	111+00.0	RT											5.0	25.4		0.3	14.3	14.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
112+00.0	114+00.0	RT											31.3	135.4		1.6	90.9	90.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
114+50.0	116+50.0	RT											7.1	75.3		0.6	30.9	30.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
117+00.0	117+72.0	RT														0.4	23.3	23.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
118+50.0	121+50.0	RT											25.1	146.0		1.8	108.5	108.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
122+50.0	126+50.0	RT											73.4	303.3		3.6	214.4	214.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
127+50.0	128+75.0	RT											7.9	34.0		0.9	52.9	52.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
128+91.0	133+10.0	RT	50.0						265.0		306.0					5.0	10.3	60.3		15	SEE VTRANS STD. G-IB FOR DETAILS.
129+48.0	136+27.0	LT	50.0						693.0		694.0		22.3	139.7		2.3	84.1	134.1		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
133+50.0	135+50.0	RT											33.1	140.9		1.6	96.5	96.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
136+50.0	138+22.0	RT											22.4	108.8		1.1	64.4	64.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
136+59.0	139+39.0	LT	50.0						280.0		280.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS.
138+42.0	140+50.0	RT											20.3	102.5		1.0	58.1	58.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
141+84.5	145+90.5	LT	50.0						390.0		406.0		29.7	141.3		2.3	85.8	135.8		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
145+00.0	153+00.0	RT											124.1	539.1		6.0	361.3	361.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
148+65.0	153+07.0	LT	50.0						419.0		442.0		29.0	128.6		2.3	84.2	134.2		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
154+00.0	156+00.0	RT											29.9	131.3		1.5	86.9	86.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
154+21.2	176+55.0	LT	50.0						2089.5	2	2062.0		86.7	384.8		5.0	251.5	301.5		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 174+60.2 AND CONNECT TO BRIDGE RAIL AT STA 174+92.5. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 176+55.0 AND END AT STA 176+55.0. SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 307 FOR BR 169 DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
157+50.0	159+50.0	RT											8.5	46.1		0.9	51.8	51.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
THIS SHEET SUBTOTALS:			400.0						5341.5	2	6298.0		778.0	3643.0		52.4	2463.9	2863.9		29	

ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048ids2.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 14 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

ITEM DETAIL SUMMARY SHEET #3

LOCATION			GUARDRAIL									MISCELLANEOUS									REMARKS
			203.30	621.205	621.217	621.60	621.70	621.71	621.80	900.620	900.640	604.412	613.10	649.31	649.51	651.15	651.40	653.20	653.60	676.10	
BEGIN STATION	END STATION	POS.	EARTH BORROW	S.B. GR, GALV. W/8 FT POSTS	H.D. S.B. GR, GALV. NESTED W/8 FT POSTS	ANCHOR FOR S.B. RAIL	GR APPROACH SECTION, GALV. TYPE I	GR APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	SPECIAL PROV. GR APPROACH SECTION, GALV. 2 RAIL BOX BEAM	SPECIAL PROV. (BOX BEAM RAIL W/7 FT POSTS)	REHAB. DI'S, CB'S, OR MH'S	STONE FILL, TYPE I	GEOTEXTILE UNDER STONE FILL	GEOTEXTILE FOR SILT FENCE	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	EROSION LOG	DEL. W/ STEEL POST	
			CY	LF	LF	EA	EA	EA	LF	EA	LF	EA	CY	SY	SY	LB	SY	SY	LF	EA	
160+50.0	161+00.0	RT											5.1	25.6		0.3	14.5	14.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
162+50.0	167+50.0	RT											26.0	147.4		2.4	143.1	143.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
168+50.0	169+00.0	RT														0.1	5.7	5.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
169+50.0	173+00.0	RT											19.4	156.9		2.6	152.1	152.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
175+25.0	179+97.0	RT	50.0						190.3	2	190.0		8.9	122.8		2.2	78.4	128.4		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 175+25.0 AND CONNECT TO BRIDGE RAIL AT STA 175+27.5. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 176+90.0 AND END AT STA 177+22.3. SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 307 FOR BR 169 DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
179+00.0	180+00.0	LT											6.4	61.2		0.7	39.0	39.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
182+68.5	184+58.5	RT	50.0						162.0		190.0		13.6	61.6		1.5	39.4	89.4		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
183+50.0	184+50.0	LT														0.8	42.5	42.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
186+50.0	188+00.0	LT											2.5	47.0		0.8	45.4	45.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
186+80.0	192+32.0	RT	50.0						656.0		658.0		27.9	114.7		2.2	81.4	131.4		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
188+50.0	191+00.0	LT											37.0	163.0		1.8	107.5	107.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
193+00.0	195+00.0	LT											9.1	48.1		1.1	62.9	62.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
193+62.5	202+18.5	RT	50.0						837.0		856.0		66.4	293.2		4.1	193.1	243.1		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
197+00.0	199+50.0	LT											7.0	85.0		1.5	88.4	88.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
201+50.0	203+50.0	LT														1.5	85.0	85.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
204+50.0	205+50.0	LT											10.4	52.1		0.5	29.9	29.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
206+30.0	213+60.0	RT	50.0						384.0		730.0		29.3	214.5		3.0	125.6	175.6		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
207+50.0	208+50.0	LT														0.4	19.5	19.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
209+50.0	210+50.0	LT											1.5	36.6		0.3	14.3	14.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
211+00.0	212+50.0	LT											2.1	16.8		0.4	22.5	22.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
216+50.0	217+50.0	RT														0.6	34.6	34.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
218+25.0	224+22.5	RT	50.0						583.0		622.0	1	19.7	90.1		1.8	56.8	106.8		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
221+73.0	223+75.0	LT	50.0						211.0		244.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS.
THIS SHEET SUBTOTALS:			350.0						3023.3	2	3490.0	1	292.3	1736.6		31.5	1481.6	1831.6		14	

ITEM DETAIL SUMMARY SHEET #3

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048ids3.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 15 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

ITEM DETAIL SUMMARY SHEET #4

LOCATION			GUARDRAIL									MISCELLANEOUS									
			203.30	621.205	621.217	621.60	621.70	621.71	621.80	900.620	900.640	604.412	613.10	649.31	649.51	651.15	651.40	653.20	653.60	676.10	
BEGIN STATION	END STATION	POS.	EARTH BORROW	S.B. GR, GALV. W/8 FT POSTS	H.D. S.B. GR, GALV. NESTED W/8 FT POSTS	ANCHOR FOR S.B. RAIL	GR APPROACH SECTION, GALV. TYPE I	GR APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	SPECIAL PROV. GR APPROACH SECTION, GALV. 2 RAIL BOX BEAM	SPECIAL PROV. (BOX BEAM RAIL W/7 FT POSTS)	REHAB. DI'S, CB'S, OR MH'S	STONE FILL, TYPE I	GEOTEXTILE UNDER STONE FILL	GEOTEXTILE FOR SILT FENCE	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	EROSION LOG	DEL. W/ STEEL POST	REMARKS
			CY	LF	LF	EA	EA	EA	LF	EA	LF	EA	CY	SY	SY	LB	SY	SY	LF	EA	
224+00.0	228+00.0	LT											22.5	129.8		1.7	101.2	101.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
225+00.0	226+84.0	RT											4.1	50.0		1.0	58.1	58.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
227+02.0	239+00.0	RT	50.0						1177.0		1198.0		69.3	312.0		4.2	200.8	250.8		2	SEE VTRANS STD. G-1B FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
240+00.0	244+50.0	LT											28.2	165.0		2.0	115.0	115.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
248+50.0	249+50.0	LT											5.0	62.8		0.7	40.6	40.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
249+25.0	253+85.0	RT	50.0						431.0		460.0		28.0	136.0		2.2	80.4	130.4		2	SEE VTRANS STD. G-1B FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
250+00.0	251+00.0	LT											8.9	47.5		0.5	25.3	25.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
255+00.0	256+00.0	LT														0.5	29.4	29.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
261+52.0	262+50.0	LT														0.5	25.9	25.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
263+50.0	268+25.0	LT											38.7	203.3		2.4	144.0	144.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
268+50.0	270+00.0	LT											1.5	32.0		0.7	38.3	38.3			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
269+56.0	272+72.0	RT	50.0						108.0		316.0		17.8	95.0		1.7	50.5	100.5		2	SEE VTRANS STD. G-1B FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
273+06.0	280+18.0	RT	50.0						337.0		712.0		57.6	256.3		3.6	167.3	217.3		2	SEE VTRANS STD. G-1B FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
275+00.0	276+00.0	LT											5.1	53.7		0.6	31.5	31.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
276+50.0	277+00.0	LT											9.9	40.0		0.5	28.9	28.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
281+00.0	283+00.0	LT											18.1	74.9		1.3	78.2	78.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
288+00.0	289+00.0	LT											3.2	51.3		0.5	29.1	29.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
289+50.0	290+50.0	RT											2.9	42.4		0.4	20.2	20.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
290+50.0	291+00.0	LT											4.7	24.5		0.3	13.4	13.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
295+36.5	296+87.0	RT	50.0	29		2	1	1	88.0							0.9		50.0		2	SEE VTRANS STD. G-1D FOR DETAILS. PROVIDE ANCHORS AT STA 295+43.0 AND STA 296+80.5. BEGIN APPROACH SECTION, TYPE I AT STA 295+51.0 AND CONNECT TO EXISTING BRIDGE RAIL AT STA 296+01.0. CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT STA 296+60.0 AND END AT STA 296+72.5. SEE SHEETS 302 AND 303 FOR GUARDRAIL APPROACH SECTIONS. SEE SHEET 308 FOR BR 172 DETAILS.
295+49.0	296+84.0	LT	50.0	54		2		2	77.0							0.9		50.0		2	SEE VTRANS STD. G-1D FOR DETAILS. PROVIDE ANCHORS AT STA 295+55.5 AND STA 296+77.5. BEGIN APPROACH SECTION, TYPE II AT STA 295+88.5 AND CONNECT TO EXISTING BRIDGE RAIL AT STA 296+01.0. CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT STA 296+60.0 AND END AT STA 296+72.5. SEE SHEETS 302 AND 303 FOR GUARDRAIL APPROACH SECTIONS. SEE SHEET 308 FOR BR 172 DETAILS.
THIS SHEET SUBTOTALS:			300.0	83.0		4	1	3	2218.0		2686.0		325.5	1776.5		27.1	1278.1	1578.1		12	

ITEM DETAIL SUMMARY SHEET #4

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048ids4.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 16 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

ITEM DETAIL SUMMARY SHEET #5

LOCATION			GUARDRAIL									MISCELLANEOUS									REMARKS
			203.30	621.205	621.217	621.60	621.70	621.71	621.80	900.620	900.640	604.412	613.10	649.31	649.51	651.15	651.40	653.20	653.60	676.10	
BEGIN STATION	END STATION	POS.	EARTH BORROW	S.B. GR, GALV. W/8 FT POSTS	H.D. S.B. GR, GALV. NESTED W/8 FT POSTS	ANCHOR FOR S.B. RAIL	GR APPROACH SECTION, GALV. TYPE I	GR APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	SPECIAL PROV. GR APPROACH SECTION, GALV. 2 RAIL BOX BEAM	SPECIAL PROV. (BOX BEAM RAIL W/7 FT POSTS)	REHAB. DI'S, CB'S, OR MH'S	STONE FILL, TYPE I	GEOTEXTILE UNDER STONE FILL	GEOTEXTILE FOR SILT FENCE	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	EROSION LOG	DEL. W/ STEEL POST	
			CY	LF	LF	EA	EA	EA	LF	EA	LF	EA	CY	SY	SY	LB	SY	SY	LF	EA	
299+50.0	300+50.0	RT											3.4	47.9		0.5	25.7	25.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
301+00.0	304+50.0	RT											48.2	217.5		2.4	139.8	139.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
301+50.0	304+00.0	LT											20.0	91.2		1.8	103.6	103.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
307+16	316+68.0	LT/RT																			NO WORK TO BE PERFORMED IN THIS AREA.
318+00.0	319+71.0	LT											24.4	109.5		1.3	73.0	73.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
319+00.0	319+50.0	RT											6.1	28.8		0.3	17.7	17.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
319+85.0	326+87.0	LT	50.0	654.0	25.0	2			297.0				30.4	166.3		2.4	91.8	141.8		2	SEE VTRANS STD.S G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 320+14.5 AND STA 326+80.5. SEE SHEET 301FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
321+50.0	322+50.0	RT											8.2	60.4		0.7	38.2	38.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
325+50.0	327+00.0	RT											23.2	100.9		1.2	67.5	67.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
329+00.0	329+96.0	RT											8.1	59.6		0.7	37.4	37.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
330+53.0	331+50.0	RT											6.9	69.5		0.4	20.0	20.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
331+00.0	334+50.0	LT											59.0	249.8		2.9	172.0	172.0			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
332+00.0	333+00.0	RT											15.2	66.3		0.8	44.1	44.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
WAITSFIELD:																					
0+00.0	125+66.4	LT/RT													1500				3700		TO BE USED AS DIRECTED BY THE ENGINEER.
1+00.0	2+50.0	LT											32.6	129.1		1.6	95.7	95.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
5+50.0	6+00.0	LT											9.6	39.3		0.5	28.2	28.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
10+30.0	11+00.0	LT											7.9	64.7		0.8	42.5	42.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
11+50.0	13+00.0	RT											28.4	116.2		1.4	82.9	82.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
11+50.0	12+50.0	LT											2.4	35.4		0.3	13.1	13.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
13+50.0	14+50.0	RT											5.2	65.4		0.8	43.2	43.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
15+50.0	17+00.0	RT											11.6	66.1		0.6	32.7	32.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
16+00.0	17+00.0	LT											3.4	20.5		0.2	9.4	9.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
THIS SHEET SUBTOTALS:			50.0	654.0	25.0	2			297.0				354.2	1804.4	1500	21.6	1178.5	1228.5	3700	2	

ITEM DETAIL SUMMARY SHEET #5

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048ids5.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 17 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

ITEM DETAIL SUMMARY SHEET #6

LOCATION			GUARDRAIL									MISCELLANEOUS									REMARKS
			203.30	621.205	621.217	621.60	621.70	621.71	621.80	900.620	900.640	604.412	613.10	649.31	649.51	651.15	651.40	653.20	653.60	676.10	
BEGIN STATION	END STATION	POS.	EARTH BORROW	S.B. GR, GALV. W/8 FT POSTS	H.D. S.B. GR, GALV. NESTED W/8 FT POSTS	ANCHOR FOR S.B. RAIL	GR APPROACH SECTION, GALV. TYPE I	GR APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	SPECIAL PROV. GR APPROACH SECTION, GALV. 2 RAIL BOX BEAM	SPECIAL PROV. (BOX BEAM RAIL W/7 FT POSTS)	REHAB. DI'S, CB'S, OR MH'S	STONE FILL, TYPE I	GEOTEXTILE UNDER STONE FILL	GEOTEXTILE FOR SILT FENCE	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	EROSION LOG	DEL. W/ STEEL POST	
			CY	LF	LF	EA	EA	EA	LF	EA	LF	EA	CY	SY	SY	LB	SY	SY	LF	EA	
23+00.0	25+00.0	LT											15.1	87.0		0.8	42.6	42.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
23+50.0	24+50.0	RT											9.5	49.4		0.5	27.2	27.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
25+35.0	30+49.0	RT	50.0						86.0		514.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS.
25+59.0	27+49.0	LT	50.0						161.0		190.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS.
30+00.0	32+00.0	LT											7.2	42.3		1.0	57.8	57.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
31+00.0	32+00.0	RT											6.5	40.3		0.3	18.1	18.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
33+00.0	33+50.0	RT											4.2	22.9		0.2	11.8	11.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
33+71.0	38+85.0	LT	50.0						230.0		514.0		10.5	76.9		1.6	43.6	93.6		2	SEE VTRANS STD. G-IB FOR DETAILS. SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
36+00.0	37+00.0	RT											9.6	49.6		0.5	27.4	27.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
43+50.0	44+00.0	LT											5.4	26.6		0.3	15.4	15.4			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
45+55.0	46+50.0	RT											10.2	78.8		1.0	56.6	56.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
52+00.0	53+00.0	RT											11.1	75.1		0.9	52.8	52.8			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
69+50.0	70+50.0	LT											7.7	63.9		0.7	41.7	41.7			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
75+50.0	77+00.0	LT											8.2	35.1		1.1	65.1	65.1			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
76+50.0	77+00.0	RT											5.6	27.1		0.3	15.9	15.9			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
81+00.0	81+50.0	LT											7.1	31.6		0.4	20.5	20.5			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
81+00.0	82+77.0	RT											11.1	132.6		1.5	88.2	88.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
88+00.0	89+50.0	LT											16.8	81.9		0.9	48.6	48.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
90+00.0	91+00.0	RT											15.7	67.8		0.8	45.6	45.6			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
99+16.7	104+72.3	LT	50.0						348.0	2	316.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 100+83.7 AND CONNECT TO FASCIA MOUNTED BRIDGE RAIL AT STA 101+16.0 SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 309 FOR BR 177 DETAILS. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 102+91.0 AND END AT STA 103+23.3.
100+03.7	105+18.1	RT	50.0						219.0	2	280.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 101+16.7 AND CONNECT TO FASCIA MOUNTED BRIDGE RAIL AT STA 101+49.0 SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 309 FOR BR 177 DETAILS. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 103+17.8 AND END AT STA 103+51.1.
THIS SHEET SUBTOTALS:			250.0						1044.0	4	1814.0		161.5	988.9		16.4	678.9	928.9		10	

ITEM DETAIL SUMMARY SHEET #6

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048ids6.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 18 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

ITEM DETAIL SUMMARY SHEET #7

LOCATION			GUARDRAIL									MISCELLANEOUS									REMARKS
			203.30	621.205	621.217	621.60	621.70	621.71	621.80	900.620	900.640	604.412	613.10	649.31	649.51	651.15	651.40	653.20	653.60	676.10	
BEGIN STATION	END STATION	POS.	EARTH BORROW	S.B. GR, GALV. W/8 FT POSTS	H.D. S.B. GR, GALV. NESTED W/8 FT POSTS	ANCHOR FOR S.B. RAIL	GR APPROACH SECTION, GALV. TYPE I	GR APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL	SPECIAL PROV. GR APPROACH SECTION, GALV. 2 RAIL BOX BEAM	SPECIAL PROV. (BOX BEAM RAIL W/7 FT POSTS)	REHAB. DI'S, CB'S, OR MH'S	STONE FILL, TYPE I	GEOTEXTILE UNDER STONE FILL	GEOTEXTILE FOR SILT FENCE	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	EROSION LOG	DEL. W/ STEEL POST	
			CY	LF	LF	EA	EA	EA	LF	EA	LF	EA	CY	SY	SY	LB	SY	SY	LF	EA	
107+00.0	108+00.0	LT											4.6	52.4		0.5	30.2	30.2			SEE SHEET 24 FOR SIDE SLOPE TREATMENT DETAILS.
121+95.7	125+37.1	RT	50.0						235.0	2	208.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 123+26.7 AND CONNECT TO FASCIA MOUNTED BRIDGE RAIL AT STA 123+59.0 SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 310 FOR BR 178 DETAILS. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 124+27.8 AND END AT STA 124+60.1.
122+86.9	125+74.3	LT	50.0						168.0	2	154.0					0.9		50.0		2	SEE VTRANS STD. G-IB FOR DETAILS. BEGIN APPROACH SECTION AT STA 123+27.9 AND CONNECT TO FASCIA MOUNTED BRIDGE RAIL AT STA 123+60.2 SEE SHEET 304 FOR GUARDRAIL APPROACH SECTION. SEE SHEET 310 FOR BR 178 DETAILS. CONNECT APPROACH SECTION TO BRIDGE RAIL AT STA 124+29.0 AND END AT STA 124+61.3.
THIS SHEET SUBTOTALS:			100.0						403.0	4	362.0		4.6	52.4		2.3	30.2	130.2		4	
SHEET 13 SUBTOTALS:			250.0						3621.0	4	4442.0		806.2	3815.9	1500	52.4	2861.0	3111.0	21,300	10	
SHEET 14 SUBTOTALS:			400.0						5341.5	2	6298.0		778.0	3643.0		52.4	2463.9	2863.9		29	
SHEET 15 SUBTOTALS:			350.0						3023.3	2	3490.0	1	292.3	1736.6		31.5	1481.6	1831.6		14	
SHEET 16 SUBTOTALS:			300.0	83.0		4	1	3	2218.0		2686.0		325.5	1776.5		27.1	1278.1	1578.1		12	
SHEET 17 SUBTOTALS:			50.0	654.0	25.0	2			297.0				354.2	1804.4	1500	21.6	1178.5	1228.5	3700	2	
SHEET 18 SUBTOTALS:			250.0						1044.0	4	1814.0		161.5	988.9		16.4	678.9	928.9		10	
ROUNDING:			-	13.0	-	-	-	-	52.2	-	158.0	-	77.7	182.3		46.3	27.8	-		-	
TOTALS:			1700.0	750.0	25.0	6	1	3	16,000.0	16	19,250.0	1	2800.0	14,000.0	3000	250.0	10,000.0	11,672.2	25,000	81	

ITEM DETAIL SUMMARY SHEET #7

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048ids7.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 19 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

ITEM DETAIL & DRAINAGE SUMMARY SHEET DD-1

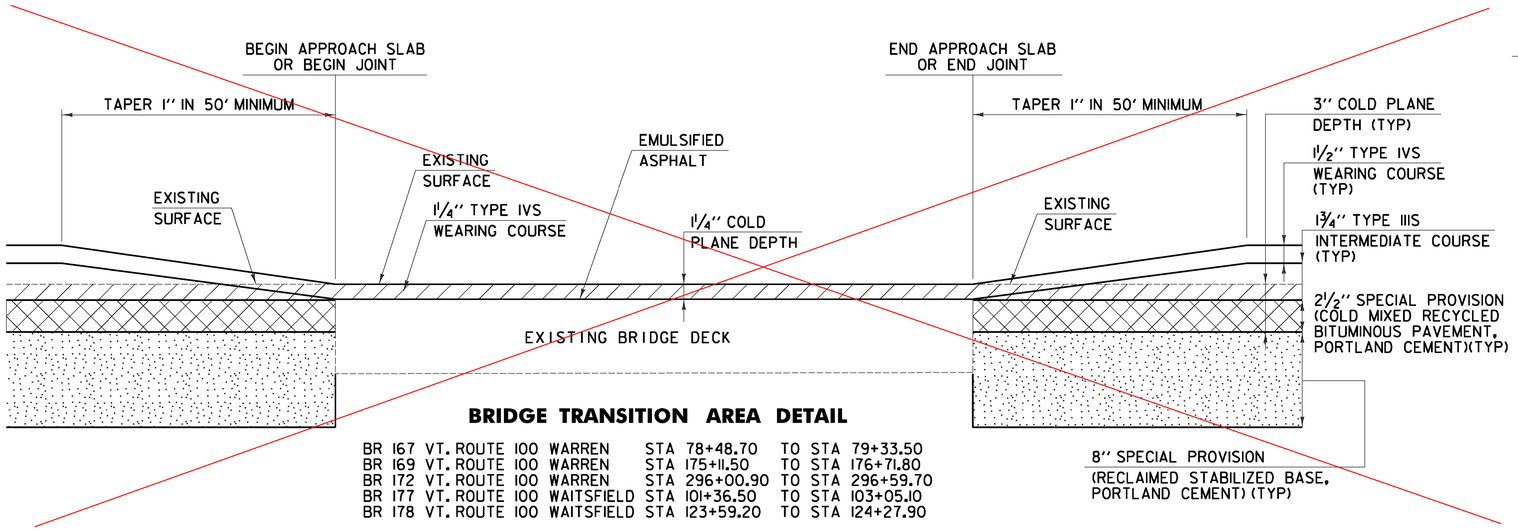
STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	PCCSP Pi TH	PIPE ELBOW NO-DEG	ES EA	CB	PRCCU	DEPTH DI FT	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	GEO UNDER DRAIN SY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	6" UNDER DRAIN LF	6" CARRIER PIPE LF	REMARKS
VT. ROUTE 100																																										
WARREN																																										
109+01.0		RT		RCDI/ES	X					18	4			III							I	4.0			A			7					I									INSTALL NEW 4'x4' RCDI W/GRATE PER VTRANS STANDARD D-6. TOP OF FRAME ELEVATION 1055.34. EXTEND EXISTING 18" RCP. PIPE INVERT IN ELEVATION 1052.50.
137+16.0		RT		ES/ES	X					18	4				.064																											EXTEND EXISTING 18" CSP.
194+19.0		LT		ES/ES	X					18	4				.064																											EXTEND EXISTING 18" CSP.
322+19.0		RT		RCDI/ES	X					18	4					X					I	4.0			A				II				I	3								INSTALL NEW 4'x4' RCDI W/GRATE PER VTRANS STANDARD D-6. TOP OF FRAME ELEVATION 798.71. EXTEND EXISTING 18" CPEP. PIPE INVERT IN ELEVATION 795.88.
TOTALS														4.0	8.0	4.0					2							7	II				2	3								

ITEM DETAIL AND DRAINAGE SUMMARY SHEET	PROJECT NAME: WARREN - WAITSFIELD PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p05b048iddsl.i	PLOT DATE: 12/20/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 20 OF 310

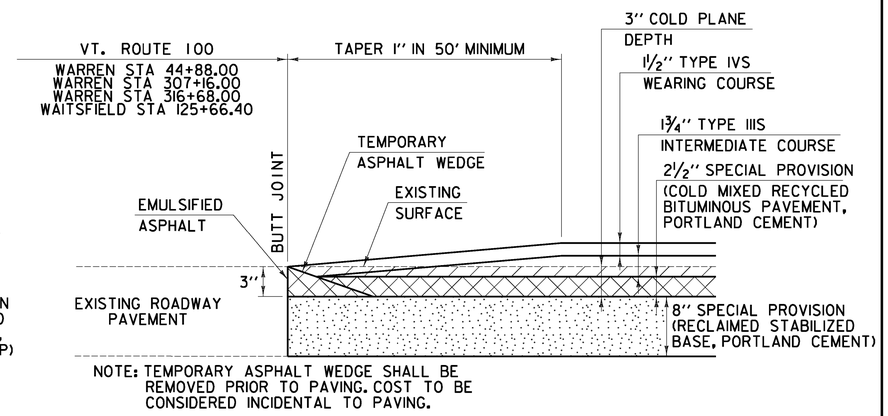
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066



BRIDGE TRANSITION AREA DETAIL

BR 167	VT. ROUTE 100	WARREN	STA 78+48.70	TO	STA 79+33.50
BR 169	VT. ROUTE 100	WARREN	STA 175+11.50	TO	STA 176+71.80
BR 172	VT. ROUTE 100	WARREN	STA 296+00.90	TO	STA 296+59.70
BR 177	VT. ROUTE 100	WAITSFIELD	STA 101+36.50	TO	STA 103+05.10
BR 178	VT. ROUTE 100	WAITSFIELD	STA 123+59.20	TO	STA 124+27.90

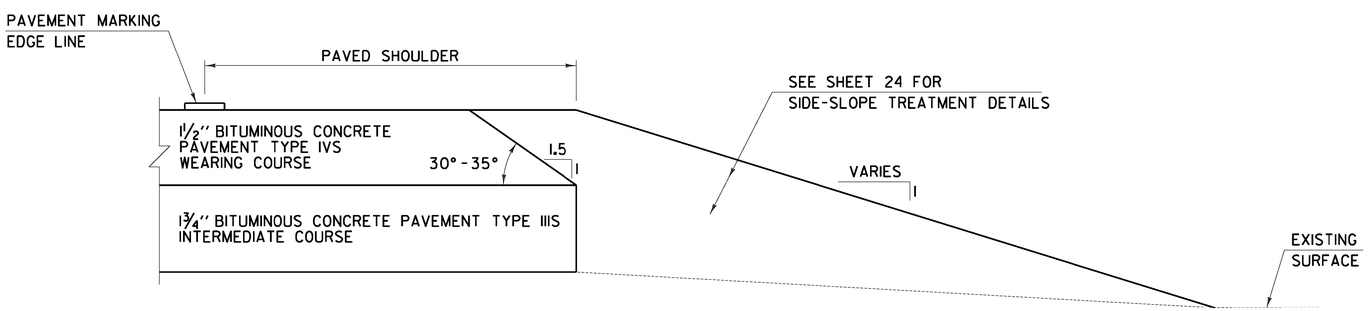
SEE PAGE 21A FOR BRIDGE DETAIL



NOTE: TEMPORARY ASPHALT WEDGE SHALL BE REMOVED PRIOR TO PAVING. COST TO BE CONSIDERED INCIDENTAL TO PAVING.

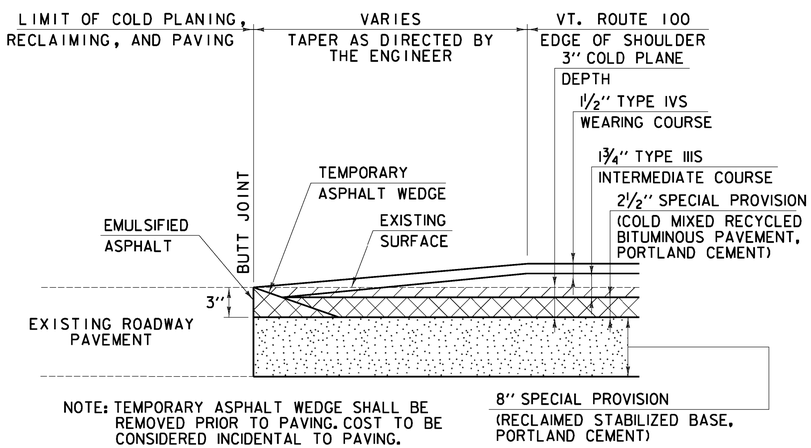
RECLAIMED APPROACH AREA DETAIL

VT. ROUTE 100	WARREN	STA 44+88.00	- BEGIN PROJECT
VT. ROUTE 100	WARREN	STA 307+16.00	- STOP RECLAIM
VT. ROUTE 100	WARREN	STA 316+68.00	- RESUME RECLAIM
VT. ROUTE 100	WAITSFIELD	STA 125+66.40	- END PROJECT



SAFETY EDGE DETAIL

VT. ROUTE 100	WARREN	STA 44+88.00	TO	STA 307+16.00
VT. ROUTE 100	WARREN	STA 316+68.00	TO	STA 335+17.05
VT. ROUTE 100	WAITSFIELD	STA 0+00.00	TO	STA 125+66.40



NOTE: TEMPORARY ASPHALT WEDGE SHALL BE REMOVED PRIOR TO PAVING. COST TO BE CONSIDERED INCIDENTAL TO PAVING.

RECLAIMED SIDE ROAD AREA DETAIL

WARREN:	TH-39	STA 68+53.44	LT
	TH-47	STA 82+68.48	RT
	TH-4	STA 174+87.36	RT
	TH-43	STA 177+24.96	LT
	TH-3	STA 181+89.60	LT
	TH-3	STA 186+38.40	RT
	TH-44	STA 202+96.32	RT
	TH-20	STA 217+58.88	LT
	TH-4	STA 220+44.00	RT
	TH-16	STA 221+28.48	LT
	TH-46	STA 233+69.28	LT
	TH-45	STA 283+48.32	LT
	TH-45	STA 295+31.04	LT
	TH-5	STA 296+89.44	LT
WAITSFIELD:	TH-29	STA 17+79.36	LT
	TH-32	STA 21+17.28	RT
	TH-31	STA 34+74.24	RT
	TH-30	STA 52+90.56	LT
	TH-39	STA 105+23.04	LT

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
WARREN:						
VT. ROUTE 100	44+88.00	78+48.70	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 100	78+48.70	79+33.50	7'-0" - 11'-0" - 11'-0" - 4'-0"	1¼"	-	BR 167 COLD PLANE 1¼", PAVE WITH 1¼" TYPE IVS
VT. ROUTE 100	79+33.50	175+11.50	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 100	175+11.50	176+71.80	5'-0" - 11'-0" - 11'-0" - 5'-0"	1¼"	-	BR 169 COLD PLANE 1¼", PAVE WITH 1¼" TYPE IVS
VT. ROUTE 100	176+71.80	296+00.90	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 100	296+00.90	296+59.70	5'-6" - 11'-0" - 11'-0" - 5'-6"	1¼"	-	BR 172 COLD PLANE 1¼", PAVE WITH 1¼" TYPE IVS
VT. ROUTE 100	296+59.70	307+16.00	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 100	307+16.00	316+68.00	-	-	-	NO WORK (BR 173 AND APPROACH AREA)
VT. ROUTE 100	316+68.00	335+17.05	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS
WAITSFIELD:						
VT. ROUTE 100	0+00.00	101+36.50	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 100	101+36.50	103+05.10	11'-0" - 11'-0"	1¼"	-	BR 177 COLD PLANE 1¼", PAVE WITH 1¼" TYPE IVS
VT. ROUTE 100	103+05.10	123+59.20	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS
VT. ROUTE 100	123+59.20	124+27.90	4'-0" - 11'-0" - 11'-0" - 4'-0"	1¼"	-	BR 178 COLD PLANE 1¼", PAVE WITH 1¼" TYPE IVS
VT. ROUTE 100	124+27.90	125+66.40	4'-0" - 11'-0" - 11'-0" - 4'-0"	1½"	-	COLD PLANE 3", RECLAIM 8", PLACE 2½" COLD MIX, PAVE WITH 1¾" TYPE IIIS & PAVE WITH 1½" TYPE IVS

NOT TO SCALE

PAVING DETAILS SHEET

PROJECT NAME: WARREN - WAITSFIELD

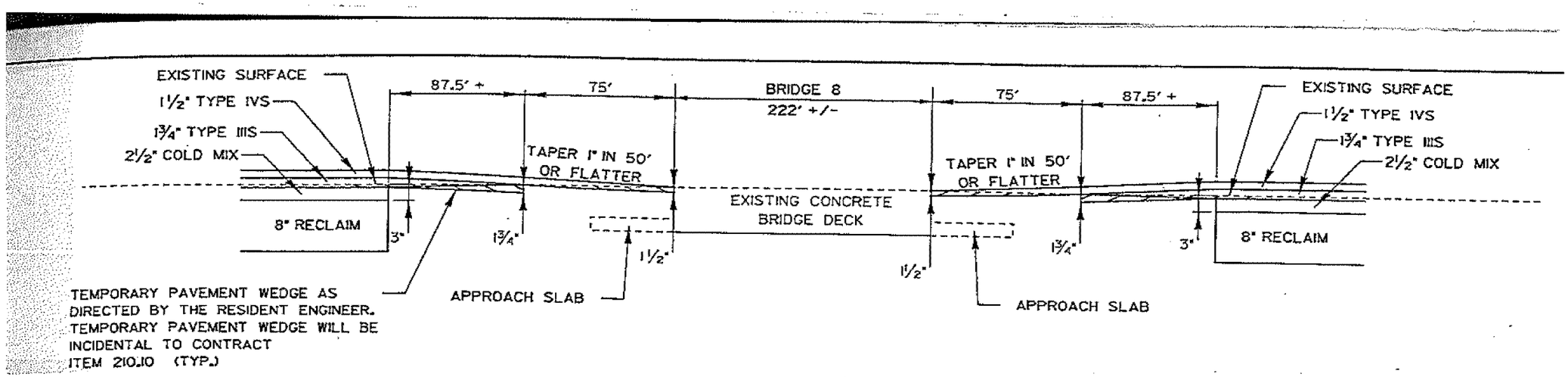
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048pd.i

PLOT DATE: 12/21/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 21 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/21/2012
USER = 4066

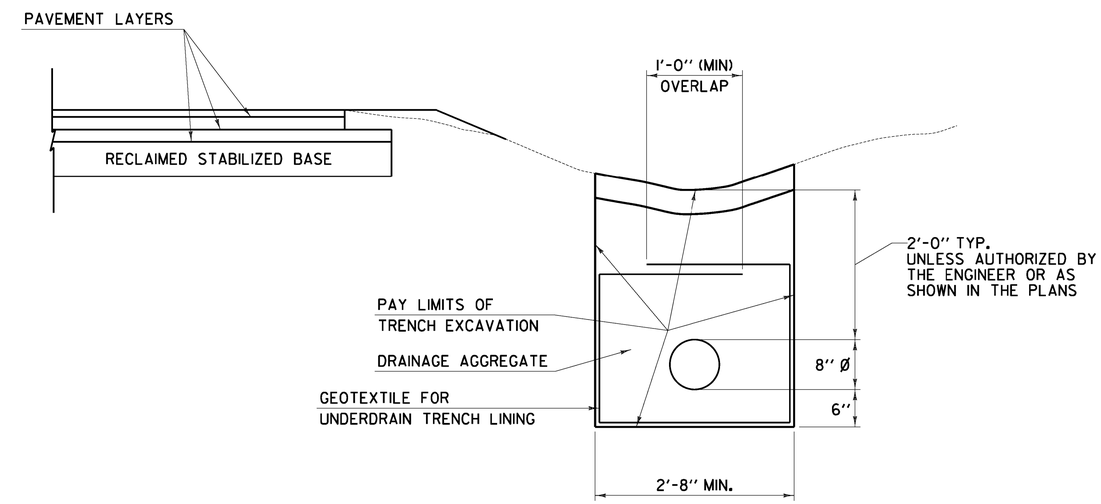
BRIDGE TRANSITION AREA DETAIL



UNDERDRAIN TABLE

LOCATION				605.11 8 INCH UNDERDRAIN PIPE	204.20 TRENCH EXCAVATION OF EARTH	204.21 TRENCH EXCAVATION OF ROCK	619.17 YIELDING MARKER POSTS	REMARKS
SITE	STA	STA	POS	LF	CY	CY	EA	
WARREN:								
	44+88	335+17	LT/RT				132	INLETS AND OUTLETS OF CULVERTS
1	44+88	49+50	LT	462	108.4	36.1	1	
2	53+50	58+89	LT	539	126.5	42.2	1	
3	61+50	67+74	LT	624	146.5	48.8	1	
4	81+50	84+00	LT	250	58.7	19.6	1	
5	84+90	87+50	RT	260	61.0	20.3	1	
6	85+00	87+50	LT	250	58.7	19.6	1	
7	98+00	105+66	RT	766	179.8	59.9	1	
8	107+00	109+01	RT	201	47.2	15.7	1	
9	112+47	127+92	RT	1545	362.6	120.9	1	
10	135+50	138+50	RT	300	70.4	23.5	1	
11	145+00	145+35	RT	35	8.2	2.7	1	
12	145+35	146+50	RT	115	27.0	9.0	1	
13	149+50	154+11	RT	461	108.2	36.1	1	
14	154+11	161+84	RT	773	181.4	60.5	1	
15	162+50	167+55	RT	505	118.5	39.5	1	
16	177+74	180+50	LT	276	64.8	21.6	1	
17	185+50	198+00	LT	1250	293.4	97.8	1	
18	200+21	209+05	LT	884	207.5	69.2	1	
19	209+50	212+71	LT	321	75.3	25.1	1	
20	216+50	218+43	RT	193	45.3	15.1	1	
21	224+00	229+00	LT	500	117.4	39.1	1	
22	224+50	226+50	RT	200	46.9	15.6	1	
23	239+00	244+25	LT	525	123.2	41.1	1	
24	254+00	255+10	LT	110	25.8	8.6	1	
25	264+50	271+66	LT	716	168.1	56.0	1	
26	302+50	305+00	LT	250	58.7	19.6	1	
27	319+50	322+00	LT	250	58.7	19.6	1	
28	331+50	333+48	RT	198	46.5	15.5	1	
WAITSFIELD:								
	0+00	125+66					57	INLETS AND OUTLETS OF CULVERTS
29	30+89	40+50	RT	961	225.6	75.2	1	
PROJECT SUBTOTAL				13720	3220.3	1073.5	218	
ROUNDING				80	72.7	15.5	7	
PROJECT TOTALS				13800	3293	1089	225	

REFER TO LAYOUT SHEETS 27-87 OF 310
FOR THE REVISED LOCATIONS



UNDERDRAIN DETAIL

UNDERDRAIN NOTES

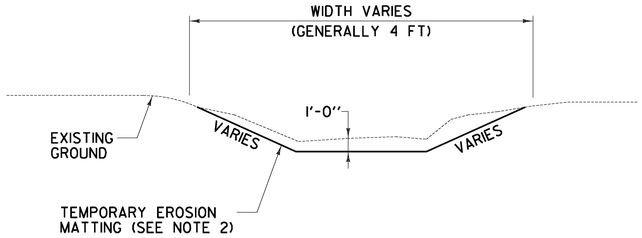
1. GEOTEXTILE FOR UNDERDRAIN TRENCH LINING SHALL NOT BE PLACED AROUND UNDERDRAIN WHEN COVER ABOVE PIPE IS LESS THAN 1 FOOT.
2. DRAINAGE AGGREGATE SHALL MEET THE REQUIREMENTS OF SUBSECTION 704.16.
3. GEOTEXTILE FOR UNDERDRAIN TRENCH LINING AND DRAINAGE AGGREGATE ITEMS ARE INCLUDED IN THE UNIT PRICE BID FOR PAY ITEM 605.11 8 INCH UNDERDRAIN PIPE.

UNDERDRAIN DETAIL SHEET	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn	PLOT DATE: 12/21/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p05b048udr1.i	SHEET 25 OF 310

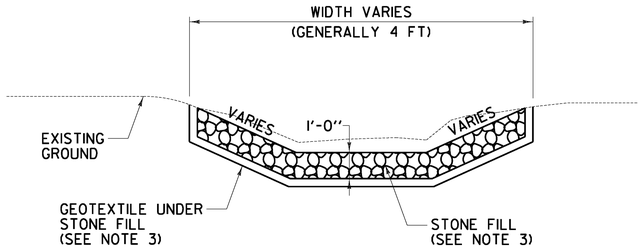
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/21/2012
USER = 4066

LOCATION				FEET OF DITCHING			MISC. ITEMS				REMARKS
							613.10	649.31	651.15	653.20	
SITE	STATION	STATION	POS.	PERCENT GRADE			STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	
				0-2.5	2.5-10	>10					
VT. ROUTE 100							CY	SY	LB	SY	
WARREN:											
1	44+88	46+46	RT	158					2	70	
2	44+88	69+17	LT	2429					18	1080	
3	78+67	87+12	LT	845					6	376	
4	78+67	87+12	RT	845					6	376	
5	93+98	137+81	RT	4383					32	1948	
6	142+56	174+24	RT	3168					23	1408	
7	176+88	182+16	LT	528					4	235	
8	182+16	220+70	LT	3854					28	1713	
9	213+84	220+70	RT	686					5	305	
10	220+70	233+90	RT	1320					10	587	
11	220+70	233+90	LT	1320					10	587	
12	233+90	283+01	LT	4911					36	2183	
13	298+32	307+16	LT	884					7	393	
14	298+32	307+16	RT	884					7	393	
15	316+68	335+28	RT	1860					14	827	
WAITSFIELD:											
16	11+62	17+95	LT	633					5	281	
17	21+12	34+85	LT	1373					10	610	
18	21+12	52+80	RT	3168					23	1408	
19	66+00	81+84	LT	1584					12	704	
20	66+00	81+84	RT	1584					12	704	
ROUNDING				-					-	-	
TOTALS				36,417					270	16,188	

LOCATION				FEET OF DITCHING			MISC. ITEMS				REMARKS
							613.10	649.31	651.15	653.20	
SITE	STATION	STATION	POS.	PERCENT GRADE			STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	
				0-2.5	2.5-10	>10					



DITCH DETAIL



STONE DITCH DETAIL

NOTES:

1. PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
2. ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING AND SEED HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE ENGINEER.
3. ESTIMATED QUANTITIES OF STONE FILL TYPE I, STONE FILL TYPE II, AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED. STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2.5 AND 10 PERCENT AND STONE STONE FILL TYPE II SHALL BE USED IN ALL DITCHES WITH A GRADE OVER 10 PERCENT OR AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

DITCH CLEANING DETAIL SHEET

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048dcd.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 26 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4806

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 44+88.00 - STA 50+00.00 LT & RT

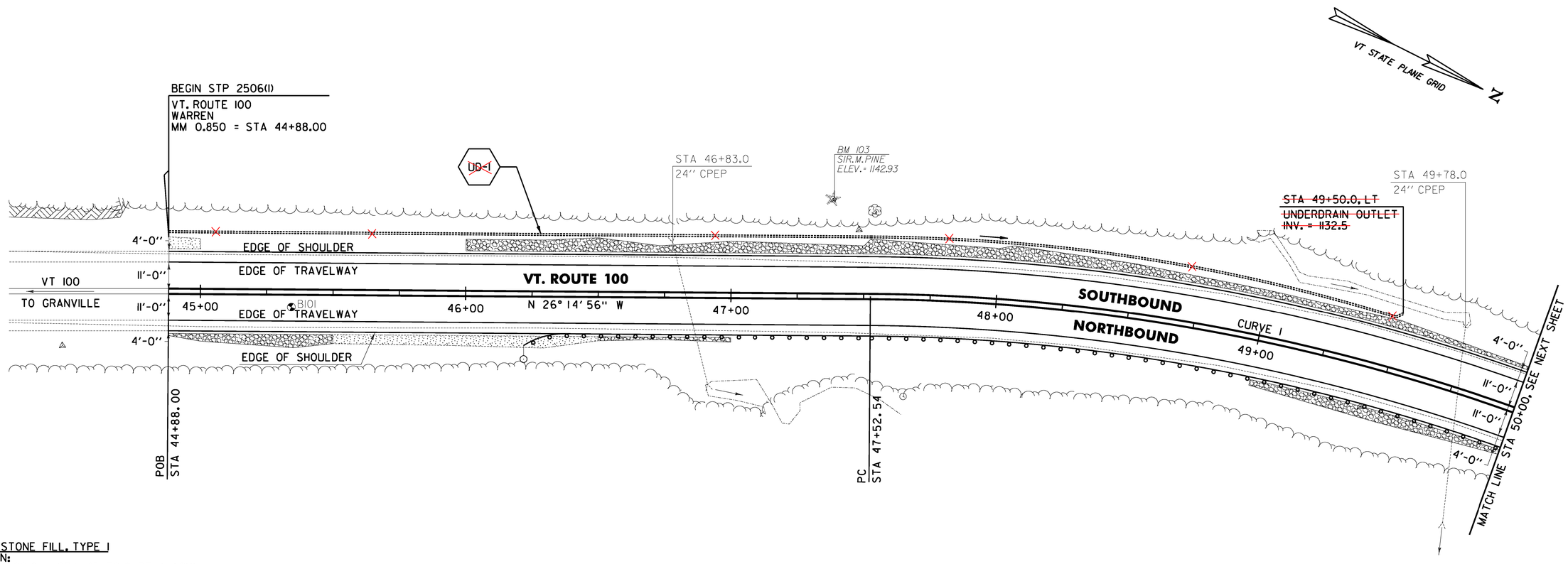
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 44+88.00 - STA 50+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 44+88.00 - STA 50+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 44+88.00 - STA 50+00.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 44+88.0 - STA 45+50.0 RT (4.1 CY)
STA 46+00.0 - STA 50+00.0 LT (73.2 CY)
STA 46+50.0 - STA 47+00.0 RT (1.9 CY)
STA 49+00.0 - STA 50+00.0 RT (14.5 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 46+93.0 - STA 50+00.0 RT (307.0 LF)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 44+88.0 - STA 45+50.0 RT (36.7 SY)
STA 46+00.0 - STA 50+00.0 LT (302.9 SY)
STA 46+50.0 - STA 47+00.0 RT (21.1 SY)
STA 49+00.0 - STA 50+00.0 RT (64.3 SY)

651.40 GRUBBING MATERIAL
WARREN:
STA 44+88.0 - STA 45+00.0 LT (6.4 SY)
STA 44+88.0 - STA 45+50.0 RT (22.9 SY)
STA 45+50.0 - STA 46+50.0 RT (39.6 SY)
STA 46+00.0 - STA 50+00.0 LT (214.0 SY)
STA 46+50.0 - STA 47+00.0 RT (10.0 SY)
STA 49+00.0 - STA 50+00.0 RT (42.1 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 44+88.0 - STA 45+00.0 LT (6.4 SY)
STA 44+88.0 - STA 45+50.0 RT (22.9 SY)
STA 45+50.0 - STA 46+50.0 RT (39.6 SY)
STA 46+00.0 - STA 50+00.0 LT (214.0 SY)
STA 46+50.0 - STA 47+00.0 RT (10.0 SY)
STA 49+00.0 - STA 50+00.0 RT (42.1 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 46+22.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 46+22.0 - STA 50+00.0 RT (378.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B101	5.0	NO	

CURVE 1
Δ = 47° 59' 25"
D = 7° 44' 34"
R = 740.00'
T = 329.39'
L = 619.82'
E = 70.00'
e = 0.080 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

NOTE:
1. APPROXIMATE WETLAND LOCATION FROM STA 46+00 TO STA 49+00 RT.

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #1

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048101.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 27 OF 310

FILE NAME = U:\1782\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 50+00.00 - STA 55+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

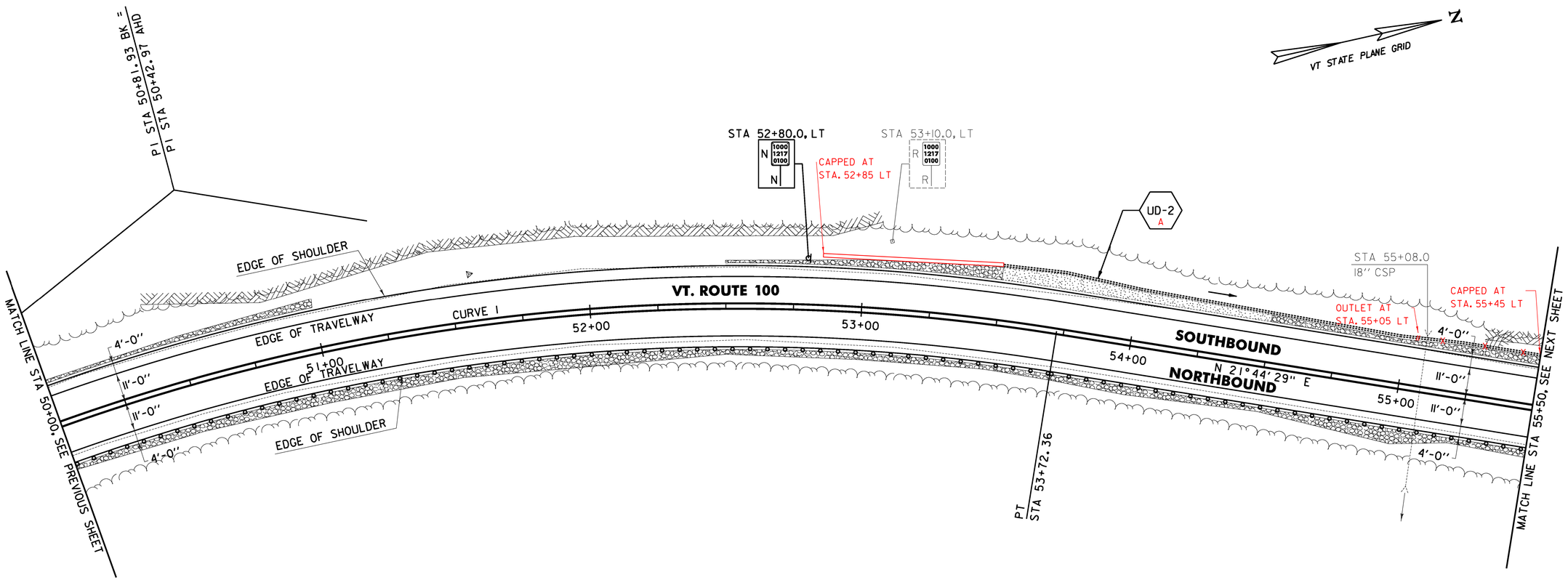
	LT	℄	RT
STA 50+00.00 - STA 55+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 50+00.00 - STA 55+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 50+00.00 - STA 55+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



613.10 STONE FILL, TYPE 1
WARREN:
STA 50+00.0 - STA 51+00.0 LT (9.6 CY)
STA 50+00.0 - STA 55+50.0 RT (78.5 CY)
STA 52+50.0 - STA 53+50.0 LT (12.2 CY)
STA 54+50.0 - STA 55+50.0 LT (10.1 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 50+00.0 - STA 55+50.0 RT (550.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 50+00.0 - STA 51+00.0 LT (27.4 SY)
STA 50+00.0 - STA 55+50.0 RT (227.6 SY)
STA 52+50.0 - STA 53+50.0 LT (35.1 SY)
STA 53+50.0 - STA 54+50.0 LT (46.3 SY)
STA 54+50.0 - STA 55+50.0 LT (28.9 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 50+00.0 - STA 51+00.0 LT (27.4 SY)
STA 50+00.0 - STA 55+50.0 RT (227.6 SY)
STA 52+50.0 - STA 53+50.0 LT (35.1 SY)
STA 53+50.0 - STA 54+50.0 LT (46.3 SY)
STA 54+50.0 - STA 55+50.0 LT (28.9 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 50+00.0 - STA 51+00.0 LT (49.6 SY)
STA 50+00.0 - STA 55+50.0 RT (349.8 SY)
STA 52+50.0 - STA 53+50.0 LT (57.3 SY)
STA 54+50.0 - STA 55+50.0 LT (51.1 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 50+00.0 - STA 55+50.0 RT (550.0 LF)

CURVE 1

Δ =	47° 59' 25"
D =	7° 44' 34"
R =	740.00'
T =	329.39'
L =	619.82'
E =	70.00'
e =	0.080 FT/FT

SIGN LEGEND

R =	REMOVE
S =	SALVAGE
N =	NEW
RET =	RETAIN
B-B =	BACK TO BACK
EXISTING =	----------
NEW =	————
① =	RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE 1
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #2

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048102.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 28 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 55+50.00 - STA 61+00.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

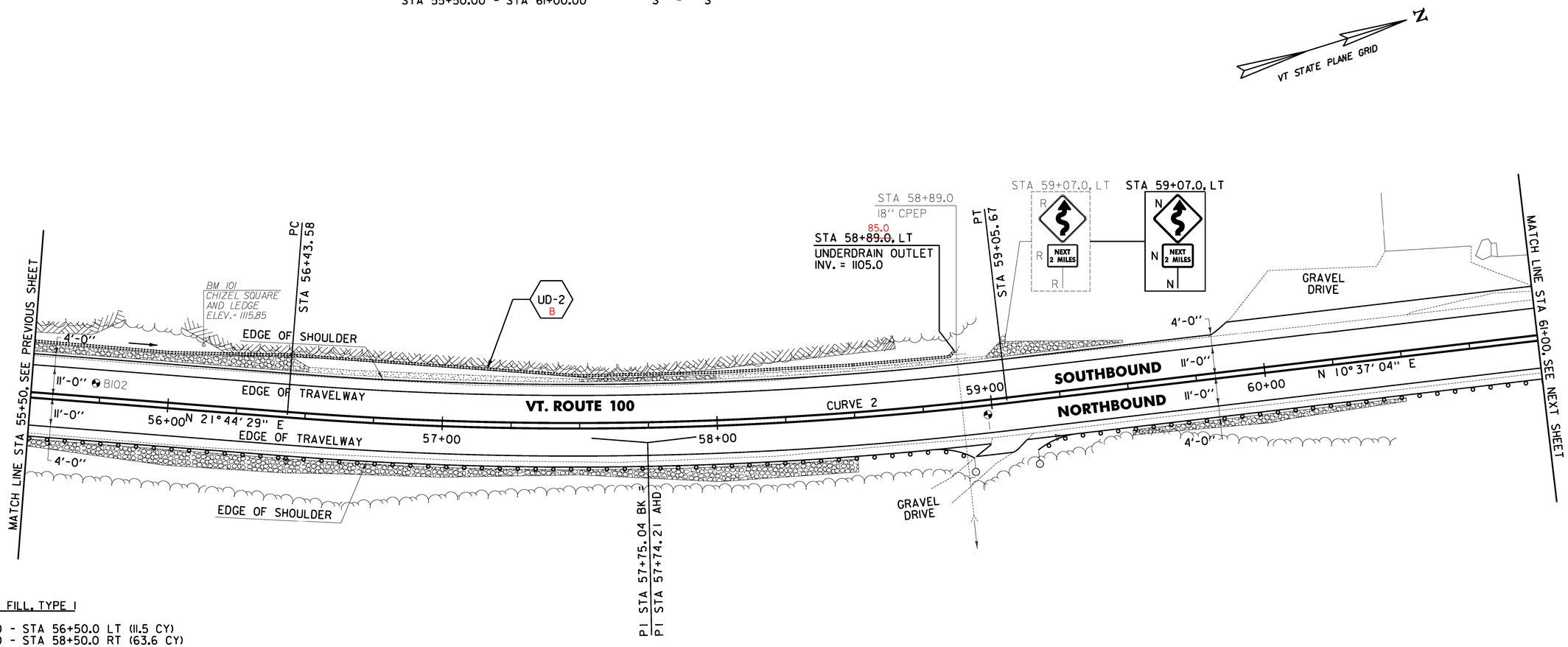
	LT	℄	RT
STA 55+50.00 - STA 61+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 55+50.00 - STA 61+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 55+50.00 - STA 61+00.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 2



613.10 STONE FILL, TYPE I
WARREN:
STA 55+50.0 - STA 56+50.0 LT (11.5 CY)
STA 55+50.0 - STA 58+50.0 RT (63.6 CY)
STA 57+50.0 - STA 58+00.0 LT (3.4 CY)
STA 59+00.0 - STA 59+50.0 LT (2.1 CY)
STA 59+50.0 - STA 60+50.0 RT (7.6 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 55+50.0 - STA 58+87.0 RT (337.0 LF)
STA 59+33.0 - STA 61+00.0 RT (167.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 55+50.0 - STA 56+50.0 LT (33.1 SY)
STA 55+50.0 - STA 58+50.0 RT (186.7 SY)
STA 56+50.0 - STA 57+50.0 LT (22.5 SY)
STA 57+50.0 - STA 58+00.0 LT (9.4 SY)
STA 58+00.0 - STA 59+00.0 LT (14.8 SY)
STA 59+00.0 - STA 59+50.0 LT (5.7 SY)
STA 59+50.0 - STA 60+50.0 RT (31.6 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 55+50.0 - STA 56+50.0 LT (33.1 SY)
STA 55+50.0 - STA 58+50.0 RT (186.7 SY)
STA 56+50.0 - STA 57+50.0 LT (22.5 SY)
STA 57+50.0 - STA 58+00.0 LT (9.4 SY)
STA 58+00.0 - STA 59+00.0 LT (14.8 SY)
STA 59+00.0 - STA 59+50.0 LT (5.7 SY)
STA 59+50.0 - STA 60+50.0 RT (31.6 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 55+50.0 - STA 56+50.0 LT (55.4 SY)
STA 55+50.0 - STA 58+50.0 RT (253.4 SY)
STA 57+50.0 - STA 58+00.0 LT (20.5 SY)
STA 59+00.0 - STA 59+50.0 LT (16.8 SY)
STA 59+50.0 - STA 60+50.0 RT (53.8 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 58+92.0 RT
STA 59+15.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 55+50.0 - STA 58+92.0 RT (342.0 LF)
STA 59+15.0 - STA 61+00.0 RT (185.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B102	5.0	NO	

PAVEMENT CORING DATA			
CORE #	DEPTH (IN.)	PCC	COMMENTS
1	6.75	NO	

CURVE 2
Δ = 11°07'25"
D = 4°14'39"
R = 1350.00'
T = 131.46'
L = 262.10'
E = 6.39'
e = 0.066 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #3

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048103.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 29 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4062

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 61+00.00 - STA 66+00.00 LT & RT

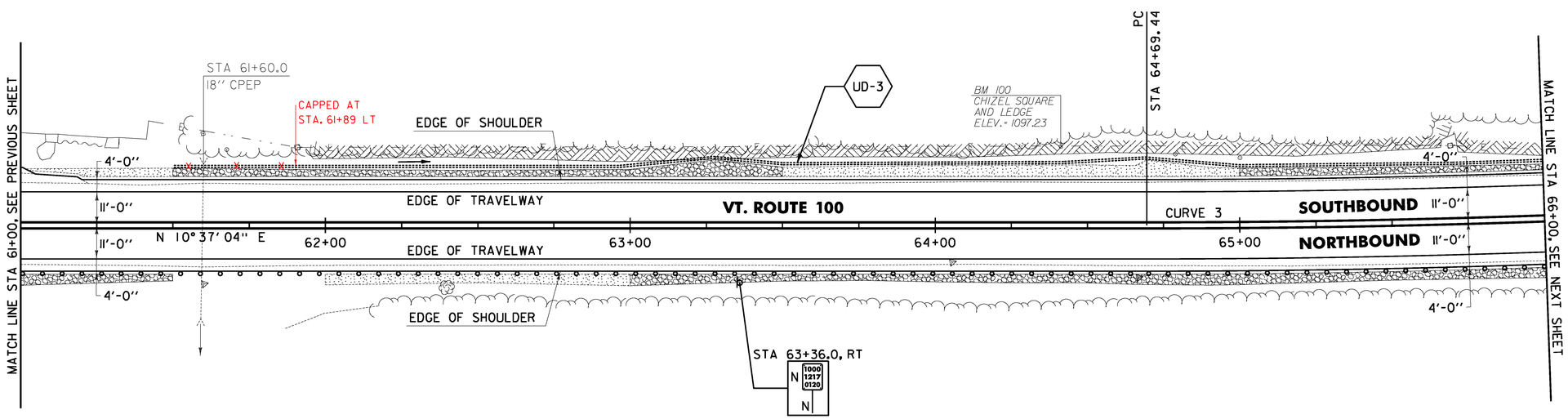
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 61+00.00 - STA 66+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 61+00.00 - STA 66+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 61+00.00 - STA 66+00.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 61+00.0 - STA 61+50.0 RT (6.9 CY)
STA 61+50.0 - STA 63+50.0 LT (23.8 CY)
STA 63+00.0 - STA 66+00.0 RT (46.7 CY)
STA 65+00.0 - STA 66+00.0 LT (11.7 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 61+00.0 - STA 66+00.0 RT (500.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 61+00.0 - STA 61+50.0 RT (19.8 SY)
STA 61+00.0 - STA 61+50.0 LT (14.1 SY)
STA 61+50.0 - STA 63+50.0 LT (68.4 SY)
STA 62+00.0 - STA 63+00.0 RT (47.6 SY)
STA 63+00.0 - STA 66+00.0 RT (136.0 SY)
STA 63+50.0 - STA 65+00.0 LT (68.7 SY)
STA 65+00.0 - STA 66+00.0 LT (33.8 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 61+00.0 - STA 61+50.0 RT (19.8 SY)
STA 61+00.0 - STA 61+50.0 LT (14.1 SY)
STA 61+50.0 - STA 63+50.0 LT (68.4 SY)
STA 62+00.0 - STA 63+00.0 RT (47.6 SY)
STA 63+00.0 - STA 66+00.0 RT (136.0 SY)
STA 63+50.0 - STA 65+00.0 LT (68.7 SY)
STA 65+00.0 - STA 66+00.0 LT (33.8 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 61+00.0 - STA 61+50.0 RT (30.9 SY)
STA 61+50.0 - STA 63+50.0 LT (112.9 SY)
STA 63+00.0 - STA 66+00.0 RT (202.7 SY)
STA 65+00.0 - STA 66+00.0 LT (56.0 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 61+00.0 - STA 66+00.0 RT (500.0 LF)

CURVE 3
Δ = 6° 09' 16"
D = 1° 31' 40"
R = 3750.00'
T = 201.59'
L = 402.80'
E = 5.41'
e = 0.031 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #4

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048104.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 30 OF 310

FILE NAME = U:\17821\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 66+00.00 - STA 72+00.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

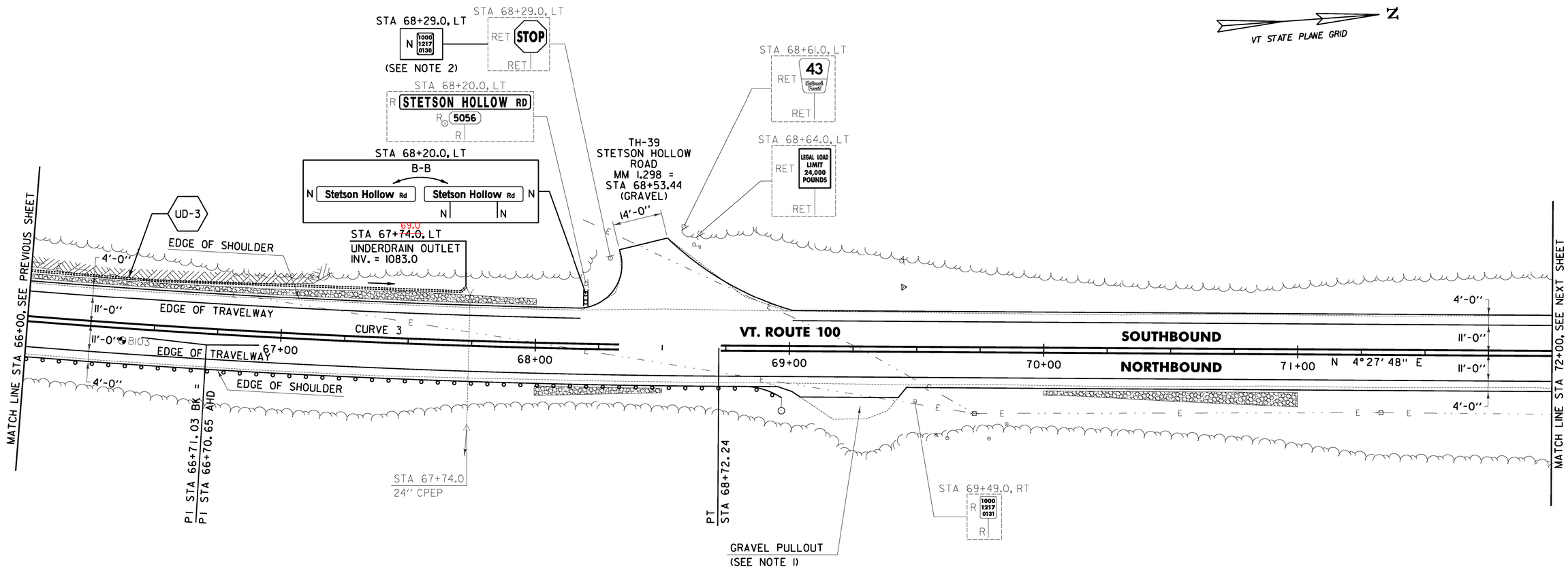
	LT	℄	RT
STA 66+00.00 - STA 72+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 66+00.00 - STA 72+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 66+00.00 - STA 72+00.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 3



613.10 STONE FILL, TYPE I
WARREN:
STA 66+00.0 - STA 68+00.0 LT (25.5 CY)
STA 68+00.0 - STA 68+50.0 RT (6.7 CY)
STA 70+00.0 - STA 71+00.0 RT (17.0 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 66+00.0 - STA 69+14.0 RT (314.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 66+00.0 - STA 68+00.0 LT (73.8 SY)
STA 68+00.0 - STA 68+50.0 RT (19.4 SY)
STA 70+00.0 - STA 71+00.0 RT (49.6 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 66+00.0 - STA 68+00.0 LT (73.8 SY)
STA 68+00.0 - STA 68+50.0 RT (19.4 SY)
STA 70+00.0 - STA 71+00.0 RT (49.6 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 68+97.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 66+00.0 - STA 68+97.0 RT (297.0 LF)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 66+00.0 - STA 68+00.0 LT (118.2 SY)
STA 68+00.0 - STA 68+50.0 RT (30.5 SY)
STA 70+00.0 - STA 71+00.0 RT (71.8 SY)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B103	5.0	NO	

NOTES:

1. PROVIDE A 4 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING "GRAVEL PULLOUT". ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.
2. THE NEW MILE MARKER SIGN IS TO BE INSTALLED ON THE EXISTING SIGN POST.
3. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

CURVE 3
Δ = 6°09' 16"
D = 1°31' 40"
R = 3750.00'
T = 201.59'
L = 402.80'
E = 5.41'
e = 0.031 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #5

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048105.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 31 OF 310

FILE NAME = U:\1782\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 72+00.00 - STA 77+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

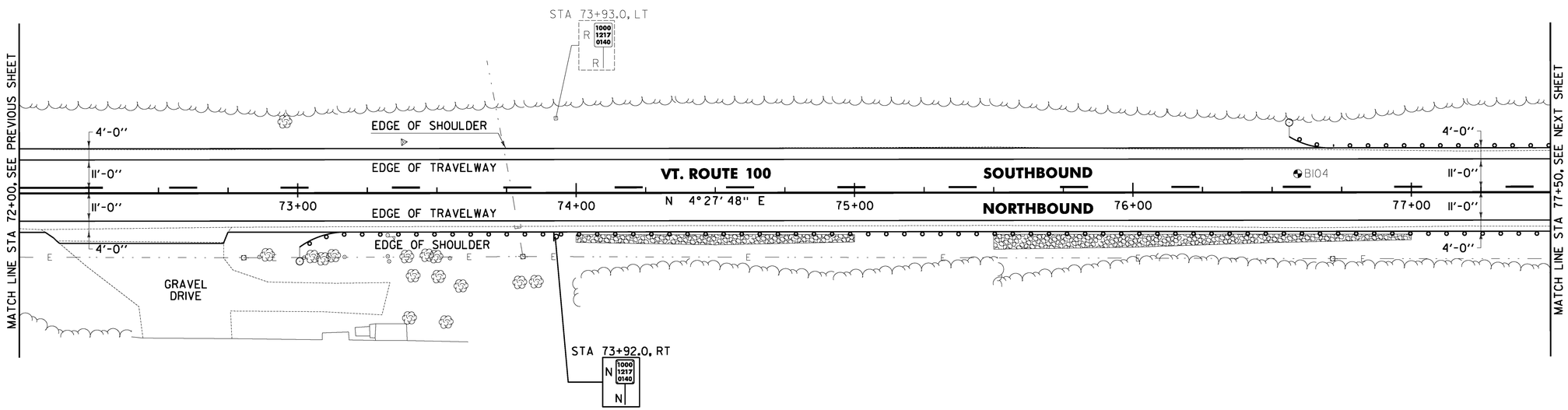
WARREN:	LT	℄	RT
STA 72+00.00 - STA 72+30.00	S	-	S
STA 72+30.00 - STA 77+50.00	D	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 72+00.00 - STA 77+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 72+00.00 - STA 72+30.00	S	-	S
STA 72+30.00 - STA 77+50.00	D	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B104	5.0	NO	

613.10 STONE FILL, TYPE I
WARREN:
STA 74+00.0 - STA 75+00.0 RT (8.4 CY)
STA 75+50.0 - STA 77+00.0 RT (25.7 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 76+63.0 - STA 77+50.0 RT (87.0 LF)
STA 76+76.0 - STA 77+50.0 LT (74.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 74+00.0 - STA 75+00.0 RT (41.6 SY)
STA 75+50.0 - STA 77+00.0 RT (75.9 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 74+00.0 - STA 75+00.0 RT (41.6 SY)
STA 75+50.0 - STA 77+00.0 RT (75.9 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 73+00.7 RT
STA 76+56.2 LT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 74+00.0 - STA 75+00.0 RT (63.8 SY)
STA 75+50.0 - STA 77+00.0 RT (109.3 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 73+00.7 - STA 77+50.0 RT (449.3 LF)
STA 76+56.2 - STA 77+50.0 LT (93.8 LF)

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #6

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048106.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 32 OF 310

FILE NAME = U:\17782\CADD\HSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4806

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 77+50.00 - STA 83+00.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 77+50.00 - STA 80+50.00	D	-	S
STA 80+50.00 - STA 83+00.00	S	-	S

STA 82+68.48 DOUBLE SOLID RT, TH-47

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 82+68.48 RT, TH-47

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 82+68.48 RT, TH-47, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 77+50.00 - STA 83+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 77+50.00 - STA 80+50.00	D	-	S
STA 80+50.00 - STA 83+00.00	S	-	S

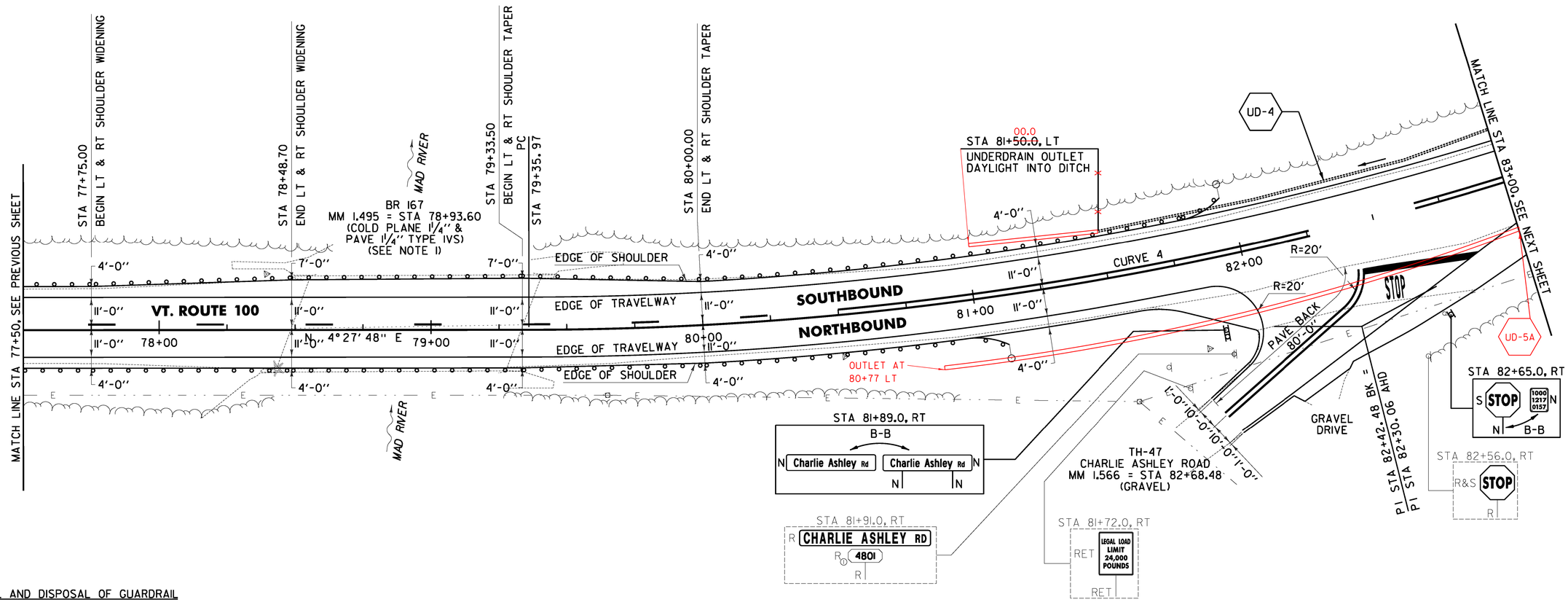
STA 82+68.48 DOUBLE SOLID RT, TH-47

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 82+68.48 RT, TH-47

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 82+68.48 RT, TH-47, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 77+50.0 - STA 78+42.0 RT (92.0 LF)
STA 77+50.0 - STA 78+55.5 LT (105.5 LF)
STA 79+29.5 - STA 80+92.0 RT (162.5 LF)
STA 79+43.0 - STA 81+83.0 LT (240.0 LF)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 81+10.8 RT
STA 81+96.3 LT

900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM)
WARREN:
STA 78+09.7 - STA 78+42.0 RT (1 EA)
STA 78+23.2 - STA 78+55.5 LT (1 EA)
STA 79+29.5 - STA 79+61.8 RT (1 EA)
STA 79+43.0 - STA 79+75.3 LT (1 EA)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 77+50.0 - STA 78+09.7 RT (59.7 LF)
STA 77+50.0 - STA 78+23.2 LT (73.2 LF)
STA 79+61.8 - STA 81+10.8 RT (149.0 LF)
STA 79+75.3 - STA 81+96.3 LT (221.0 LF)

CURVE 4
Δ = 28° 12' 22"
D = 4° 41' 47"
R = 1220.00'
T = 306.51'
L = 600.59'
E = 37.91'
e = 0.055 FT/FT

NOTES:

1. SEE SHEET 306 FOR BR 167 DETAILS.

2. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #7

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048107.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 33 OF 310

FILE NAME = U:\17762\CADD\WSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 83+00.00 - STA 88+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 83+00.00 - STA 88+50.00	S	-	S

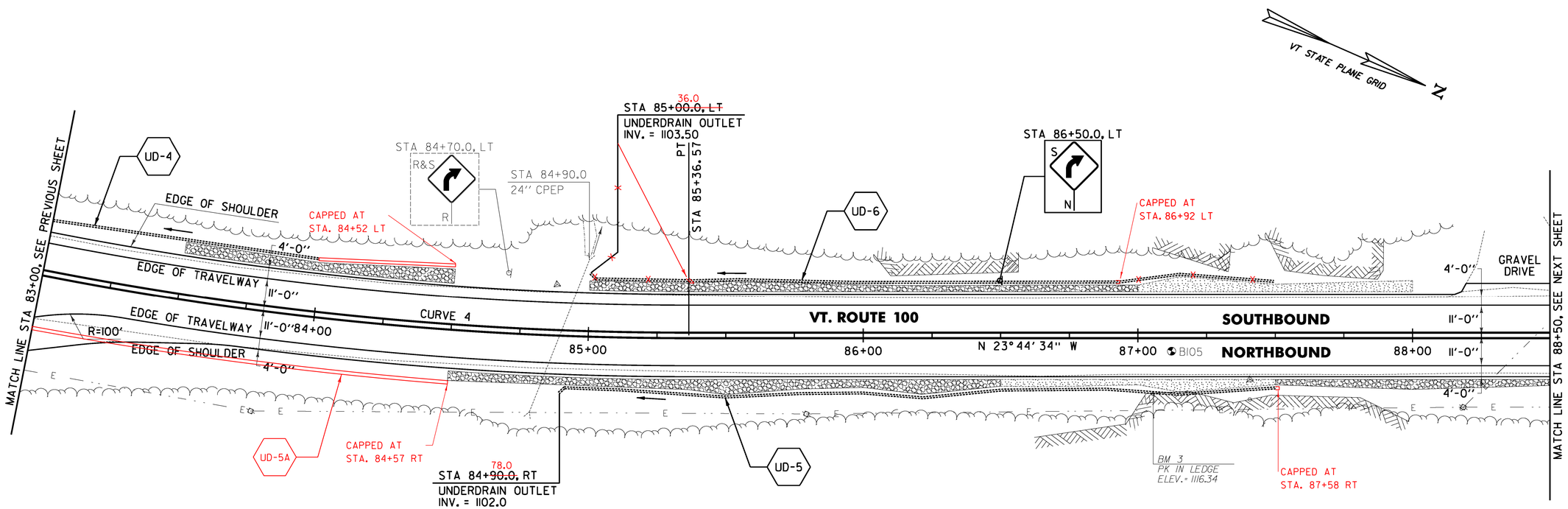
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 83+00.00 - STA 88+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 83+00.00 - STA 88+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



613.10 STONE FILL, TYPE I
WARREN:
STA 83+50.0 - STA 84+50.0 LT (6.5 CY)
STA 84+50.0 - STA 86+50.0 RT (13.3 CY)
STA 85+00.0 - STA 87+00.0 LT (27.6 CY)
STA 87+50.0 - STA 88+50.0 RT (5.1 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 83+50.0 - STA 84+50.0 LT (45.8 SY)
STA 84+50.0 - STA 86+50.0 RT (90.1 SY)
STA 85+00.0 - STA 87+00.0 LT (80.1 SY)
STA 86+50.0 - STA 87+50.0 RT (27.2 SY)
STA 87+00.0 - STA 88+00.0 LT (38.6 SY)
STA 87+50.0 - STA 88+50.0 RT (36.9 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 83+50.0 - STA 84+50.0 LT (45.8 SY)
STA 84+50.0 - STA 86+50.0 RT (90.1 SY)
STA 85+00.0 - STA 87+00.0 LT (80.1 SY)
STA 86+50.0 - STA 87+50.0 RT (27.2 SY)
STA 87+00.0 - STA 88+00.0 LT (38.6 SY)
STA 87+50.0 - STA 88+50.0 RT (36.9 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 83+50.0 - STA 84+50.0 LT (68.1 SY)
STA 84+50.0 - STA 86+50.0 RT (134.5 SY)
STA 85+00.0 - STA 87+00.0 LT (124.5 SY)
STA 87+50.0 - STA 88+50.0 RT (59.1 SY)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B105	4.3	NO	REFUSAL AT 4.3 FT

CURVE 4
Δ = 28° 12' 22"
D = 4° 41' 47"
R = 1220.00'
T = 306.51'
L = 600.59'
E = 37.91'
e = 0.055 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #8

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048108.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 34 OF 310

FILE NAME = U:\17821\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 94+00.00 - STA 99+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

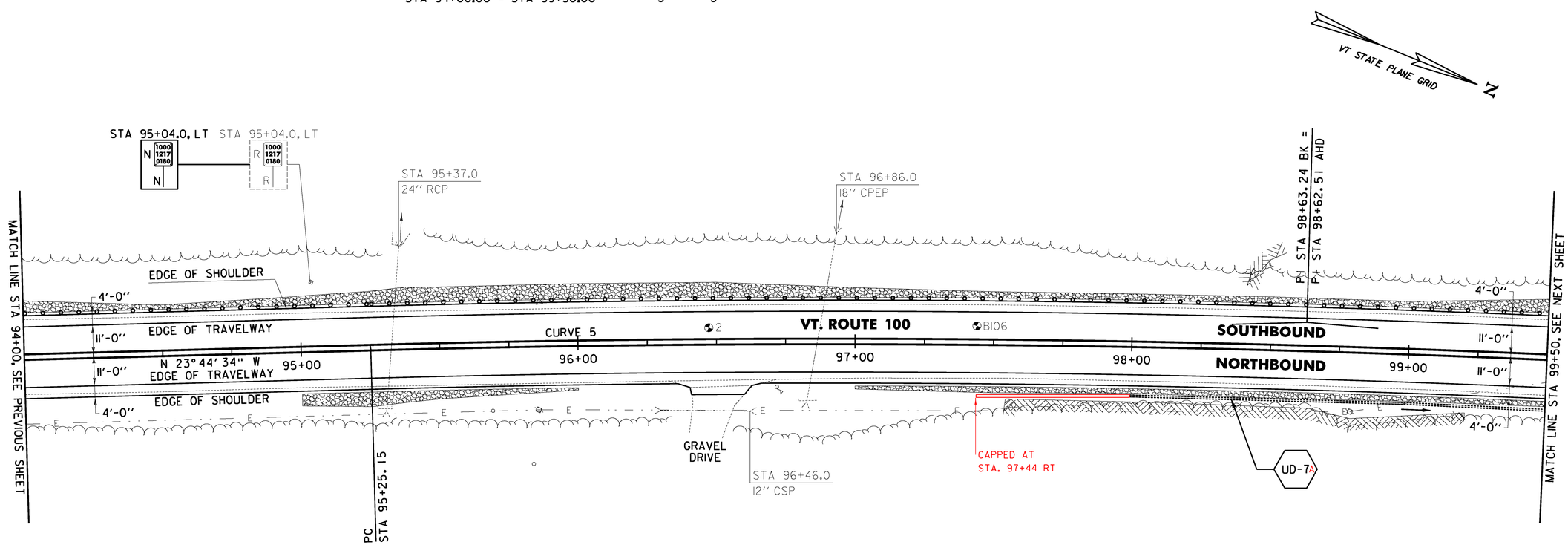
	LT	℄	RT
STA 94+00.00 - STA 99+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 94+00.00 - STA 99+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 94+00.00 - STA 99+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 94+00.0 - STA 99+50.0 LT (392.2 SY)
STA 95+00.0 - STA 96+00.0 RT (60.2 SY)
STA 97+00.0 - STA 99+50.0 RT (128.1 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 94+00.0 - STA 99+50.0 LT (92.5 CY)
STA 95+00.0 - STA 96+00.0 RT (13.2 CY)
STA 97+00.0 - STA 99+50.0 RT (25.3 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 94+00.0 - STA 99+50.0 LT (270.0 SY)
STA 95+00.0 - STA 96+00.0 RT (37.9 SY)
STA 97+00.0 - STA 99+50.0 RT (72.6 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 94+00.0 - STA 99+50.0 LT (270.0 SY)
STA 95+00.0 - STA 96+00.0 RT (37.9 SY)
STA 97+00.0 - STA 99+50.0 RT (72.6 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 94+00.0 - STA 99+50.0 LT (550.0 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 94+00.0 - STA 99+50.0 LT (550.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
BI06	5.0	NO	LOOSE PAVEMENT 0.4 - 0.6 FT.

PAVEMENT CORING DATA			
CORE #	DEPTH (IN.)	PCC	COMMENTS
2	7.25	NO	

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

CURVE 5
Δ = 6° 27' 00"
D = 0° 57' 18"
R = 6000.00'
T = 338.09'
L = 675.46'
E = 9.52'
e = 0.020 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

PROJECT LAYOUT SHEET #10

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048110.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 36 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 99+50.00 - STA 105+00.00 LT & RT

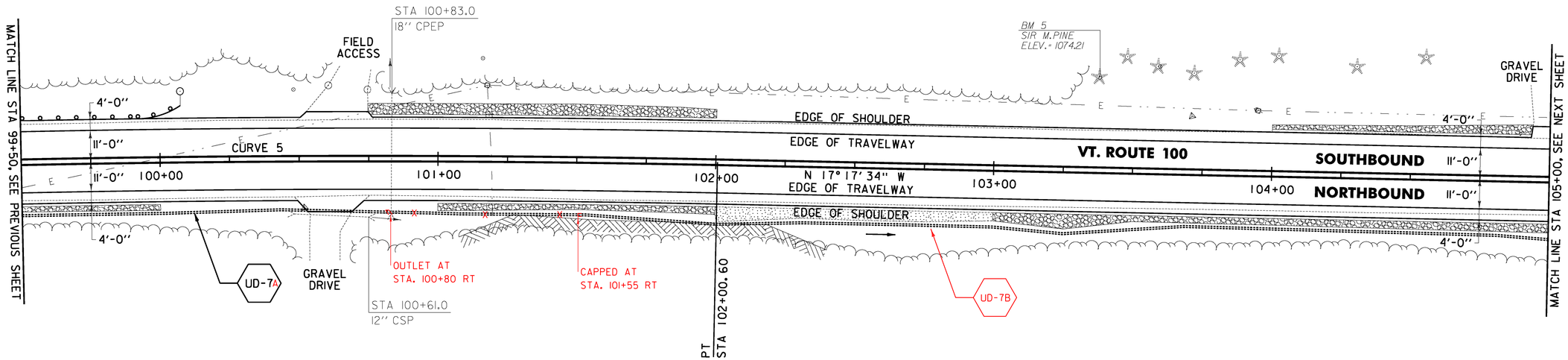
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 99+50.00 - STA 105+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 99+50.00 - STA 105+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 99+50.00 - STA 105+00.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 99+50.0 - STA 100+00.0 RT (5.1 CY)
STA 100+75.0 - STA 102+00.0 LT (26.7 CY)
STA 101+00.0 - STA 102+00.0 RT (10.8 CY)
STA 103+00.0 - STA 105+00.0 RT (27.6 CY)
STA 104+00.0 - STA 104+93.0 LT (5.4 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 99+50.0 - STA 99+94.0 LT (44.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 99+50.0 - STA 100+00.0 RT (14.5 SY)
STA 100+75.0 - STA 102+00.0 LT (77.9 SY)
STA 101+00.0 - STA 102+00.0 RT (30.9 SY)
STA 102+00.0 - STA 103+00.0 RT (44.2 SY)
STA 103+00.0 - STA 105+00.0 RT (80.1 SY)
STA 104+00.0 - STA 104+93.0 LT (31.3 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 99+50.0 - STA 100+00.0 RT (14.5 SY)
STA 100+75.0 - STA 102+00.0 LT (77.9 SY)
STA 101+00.0 - STA 102+00.0 RT (30.9 SY)
STA 102+00.0 - STA 103+00.0 RT (44.2 SY)
STA 103+00.0 - STA 105+00.0 RT (80.1 SY)
STA 104+00.0 - STA 104+93.0 LT (31.3 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 100+07.5 LT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 99+50.0 - STA 100+00.0 RT (25.6 SY)
STA 100+75.0 - STA 102+00.0 LT (111.3 SY)
STA 101+00.0 - STA 102+00.0 RT (53.1 SY)
STA 103+00.0 - STA 105+00.0 RT (124.6 SY)
STA 104+00.0 - STA 104+93.0 LT (53.6 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 99+50.0 - STA 100+07.5 LT (57.5 LF)

CURVE 5
Δ = 6°27'00"
D = 0°57'18"
R = 6000.00'
T = 338.09'
L = 675.46'
E = 9.52'
e = 0.020 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓡ = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #11

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048III.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 37 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4966

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 105+00.00 - STA 110+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

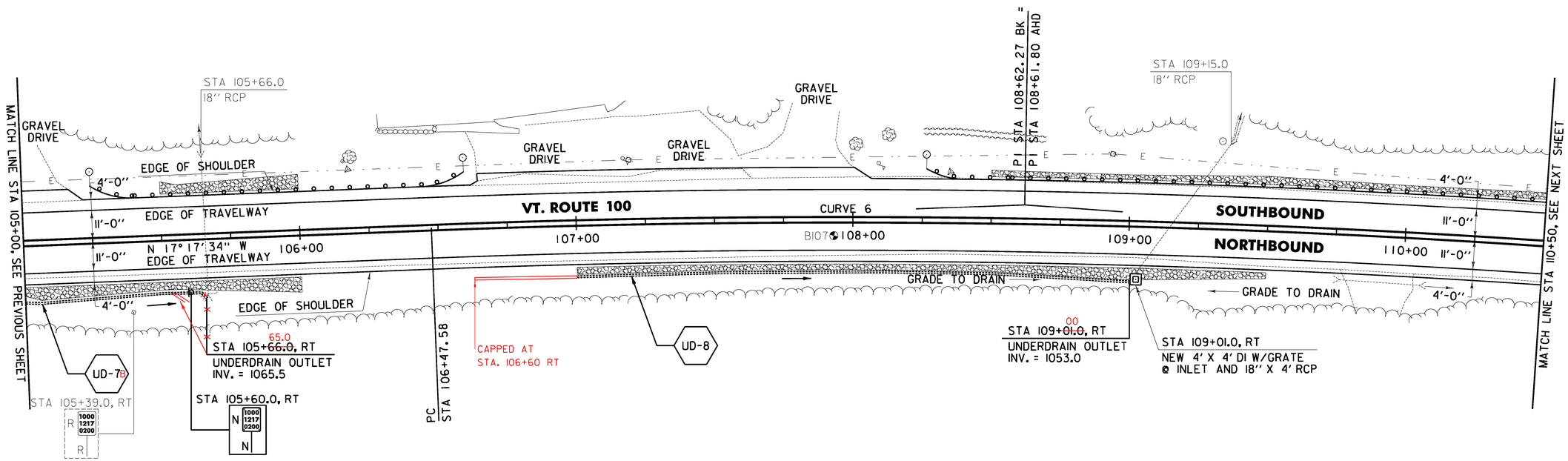
	LT	℄	RT
STA 105+00.00 - STA 110+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 105+00.00 - STA 110+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 105+00.00 - STA 110+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



613.10 STONE FILL, TYPE I
WARREN:
STA 105+00.0 - STA 106+00.0 RT (17.8 CY)
STA 105+50.0 - STA 106+00.0 LT (11.0 CY)
STA 107+00.0 - STA 109+50.0 RT (34.9 CY)
STA 108+50.0 - STA 110+50.0 LT (8.8 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 108+41.0 - STA 110+50.0 LT (209.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 105+00.0 - STA 106+00.0 RT (51.9 SY)
STA 105+50.0 - STA 106+00.0 LT (32.1 SY)
STA 107+00.0 - STA 109+50.0 RT (101.3 SY)
STA 108+50.0 - STA 110+50.0 LT (57.7 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 105+00.0 - STA 106+00.0 RT (51.9 SY)
STA 105+50.0 - STA 106+00.0 LT (32.1 SY)
STA 107+00.0 - STA 109+50.0 RT (101.3 SY)
STA 108+50.0 - STA 110+50.0 LT (57.7 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 105+24.0 LT
STA 106+60.0 LT
STA 108+26.5 LT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 105+00.0 - STA 106+00.0 RT (74.1 SY)
STA 105+50.0 - STA 106+00.0 LT (43.2 SY)
STA 107+00.0 - STA 109+50.0 RT (156.9 SY)
STA 108+50.0 - STA 110+50.0 LT (102.1 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 105+24.0 - STA 106+60.0 LT (136.0 LF)
STA 108+26.5 - STA 110+50.0 LT (223.5 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B107	5.0	NO	LOOSE PAVEMENT 0.4 - 0.8 FT.

CURVE 6
Δ = 6°28'02"
D = 1°30'28"
R = 3800.00'
T = 214.69'
L = 428.92'
E = 6.06'
e = 0.031 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
Ⓘ = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #12

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048112.I	SHEET 38 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4062

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 110+50.00 - STA 116+00.00 LT & RT

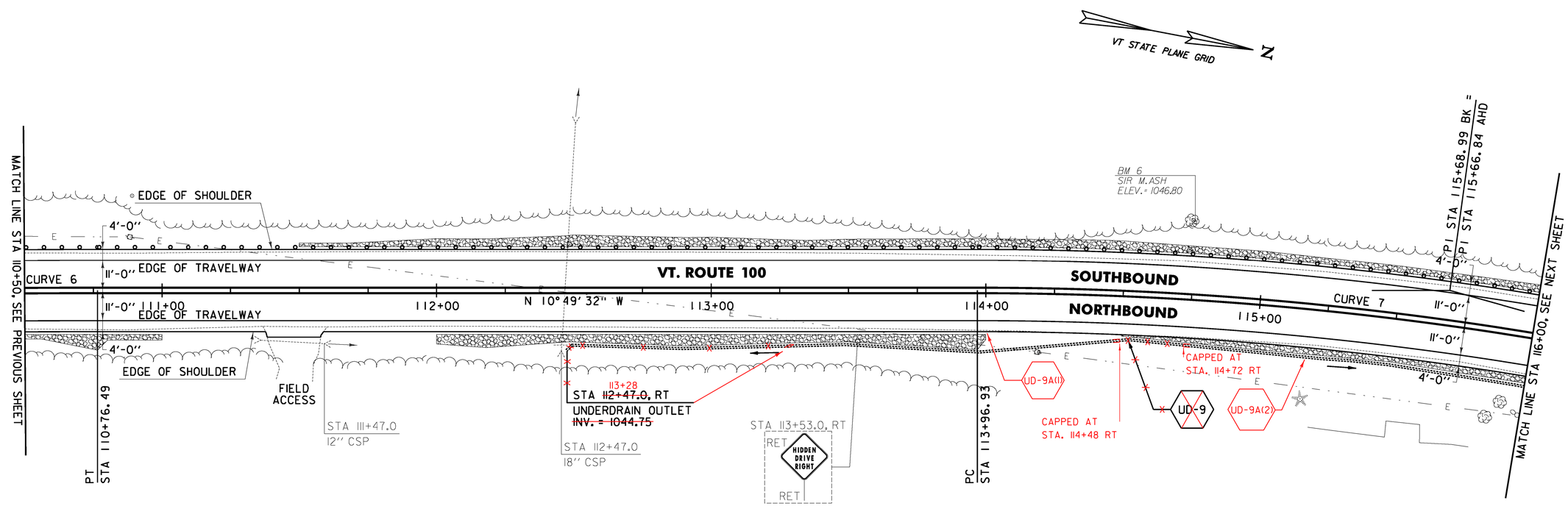
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 110+50.00 - STA 116+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 110+50.00 - STA 116+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 110+50.00 - STA 116+00.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 110+50.0 - STA 111+00.0 RT (5.0 CY)
STA 111+50.0 - STA 116+00.0 LT (67.0 CY)
STA 112+00.0 - STA 114+00.0 RT (31.3 CY)
STA 114+50.0 - STA 116+00.0 RT (5.3 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 110+50.0 - STA 116+00.0 LT (550.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 110+50.0 - STA 111+00.0 RT (14.3 SY)
STA 111+50.0 - STA 116+00.0 LT (194.9 SY)
STA 112+00.0 - STA 114+00.0 RT (90.9 SY)
STA 114+50.0 - STA 116+00.0 RT (21.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 110+50.0 - STA 111+00.0 RT (14.3 SY)
STA 111+50.0 - STA 116+00.0 LT (194.9 SY)
STA 112+00.0 - STA 114+00.0 RT (90.9 SY)
STA 114+50.0 - STA 116+00.0 RT (21.4 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 110+50.0 - STA 111+00.0 RT (25.4 SY)
STA 111+50.0 - STA 116+00.0 LT (294.9 SY)
STA 112+00.0 - STA 114+00.0 RT (135.4 SY)
STA 114+50.0 - STA 116+00.0 RT (54.7 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 110+50.0 - STA 116+00.0 LT (550.0 LF)

CURVE 6
Δ = 6° 28' 02"
D = 1° 30' 28"
R = 3800.00'
T = 214.69'
L = 428.92'
E = 6.06'
e = 0.031 FT/FT

CURVE 7
Δ = 15° 40' 28"
D = 4° 35' 01"
R = 1250.00'
T = 172.06'
L = 341.96'
E = 11.79'
e = 0.069 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #13

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048113.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 39 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 116+00.00 - STA 121+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

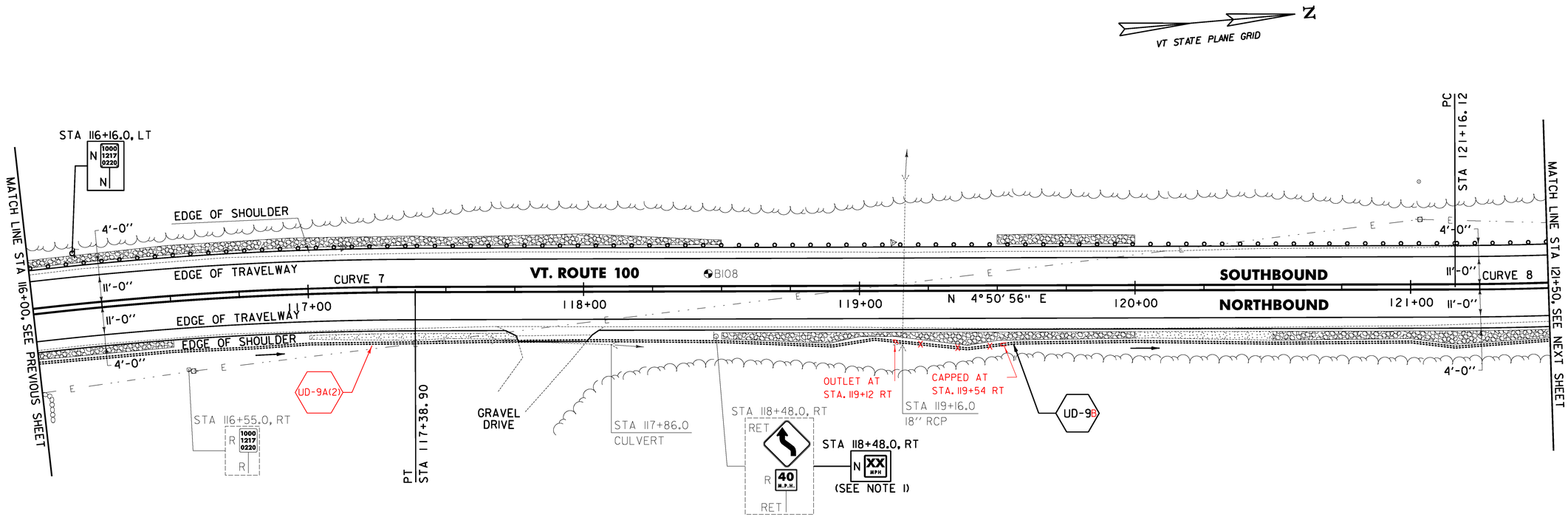
	LT	℄	RT
STA 116+00.00 - STA 121+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 116+00.00 - STA 121+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 116+00.00 - STA 121+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 2



613.10 STONE FILL, TYPE I
WARREN:
STA 116+00.0 - STA 116+50.0 RT (1.8 CY)
STA 116+00.0 - STA 118+50.0 LT (41.7 CY)
STA 118+50.0 - STA 120+00.0 RT (14.2 CY)
STA 119+50.0 - STA 120+00.0 LT (7.5 CY)
STA 120+50.0 - STA 121+50.0 RT (10.9 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 116+00.0 - 120+46.0 LT (446.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 116+00.0 - STA 116+50.0 RT (9.5 SY)
STA 116+00.0 - STA 118+50.0 LT (121.4 SY)
STA 117+00.0 - STA 117+72.0 RT (23.3 SY)
STA 118+50.0 - STA 120+00.0 RT (48.5 SY)
STA 119+50.0 - STA 120+00.0 LT (21.6 SY)
STA 120+00.0 - STA 120+50.0 RT (18.1 SY)
STA 120+50.0 - STA 121+50.0 RT (41.9 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 116+00.0 - STA 116+50.0 RT (9.5 SY)
STA 116+00.0 - STA 118+50.0 LT (121.4 SY)
STA 117+00.0 - STA 117+72.0 RT (23.3 SY)
STA 118+50.0 - STA 120+00.0 RT (48.5 SY)
STA 119+50.0 - STA 120+00.0 LT (21.6 SY)
STA 120+00.0 - STA 120+50.0 RT (18.1 SY)
STA 120+50.0 - STA 121+50.0 RT (41.9 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 116+00.0 - 121+50.0 LT (550.0 LF)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 116+00.0 - STA 116+50.0 RT (20.6 SY)
STA 116+00.0 - STA 118+50.0 LT (176.9 SY)
STA 118+50.0 - STA 120+00.0 RT (81.9 SY)
STA 119+50.0 - STA 120+00.0 LT (32.7 SY)
STA 120+50.0 - STA 121+50.0 RT (64.1 SY)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B108	5.0	NO	

NOTE:

1. THE ADVISORY SPEED SHALL BE DETERMINED USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

CURVE 7
Δ = 15°40'28"
D = 4°35'01"
R = 1250.00'
T = 172.06'
L = 341.96'
E = 11.79'
e = 0.069 FT/FT

CURVE 8
Δ = 28°59'59"
D = 4°51'20"
R = 1180.00'
T = 305.17'
L = 597.25'
E = 38.82'
e = 0.071 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #14

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048114.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 40 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 121+50.00 - STA 127+00.00 LT & RT

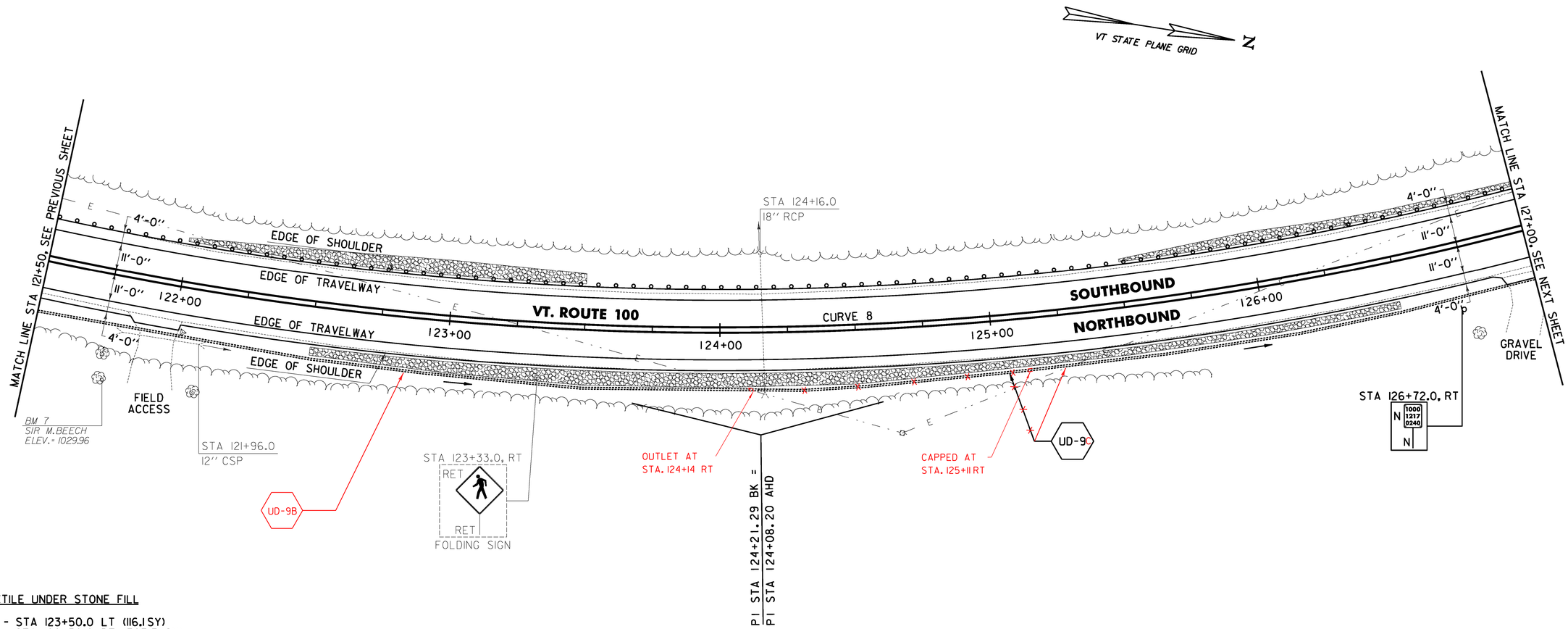
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 121+50.00 - STA 127+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 121+50.00 - STA 127+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 121+50.00 - STA 127+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 122+00.0 - STA 123+50.0 LT (116.1 SY)
STA 122+50.0 - STA 126+50.0 RT (303.3 SY)
STA 125+50.0 - STA 127+00.0 LT (84.1 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 122+00.0 - STA 123+50.0 LT (28.3 CY)
STA 122+50.0 - STA 126+50.0 RT (73.4 CY)
STA 125+50.0 - STA 127+00.0 LT (17.6 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 122+00.0 - STA 123+50.0 LT (82.8 SY)
STA 122+50.0 - STA 126+50.0 RT (214.4 SY)
STA 125+50.0 - STA 127+00.0 LT (50.7 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 122+00.0 - STA 123+50.0 LT (82.8 SY)
STA 122+50.0 - STA 126+50.0 RT (214.4 SY)
STA 125+50.0 - STA 127+00.0 LT (50.7 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 121+50.0 - STA 127+00.0 LT (550. LF)

CURVE 8
Δ = 28°59'59"
D = 4°51'20"
R = 1180.00'
T = 305.17'
L = 597.25'
E = 38.82'
e = 0.071 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #15

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048115.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 41 OF 310

FILE NAME = U:\1782\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4965

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 127+00.00 - STA 132+00.00 LT & RT

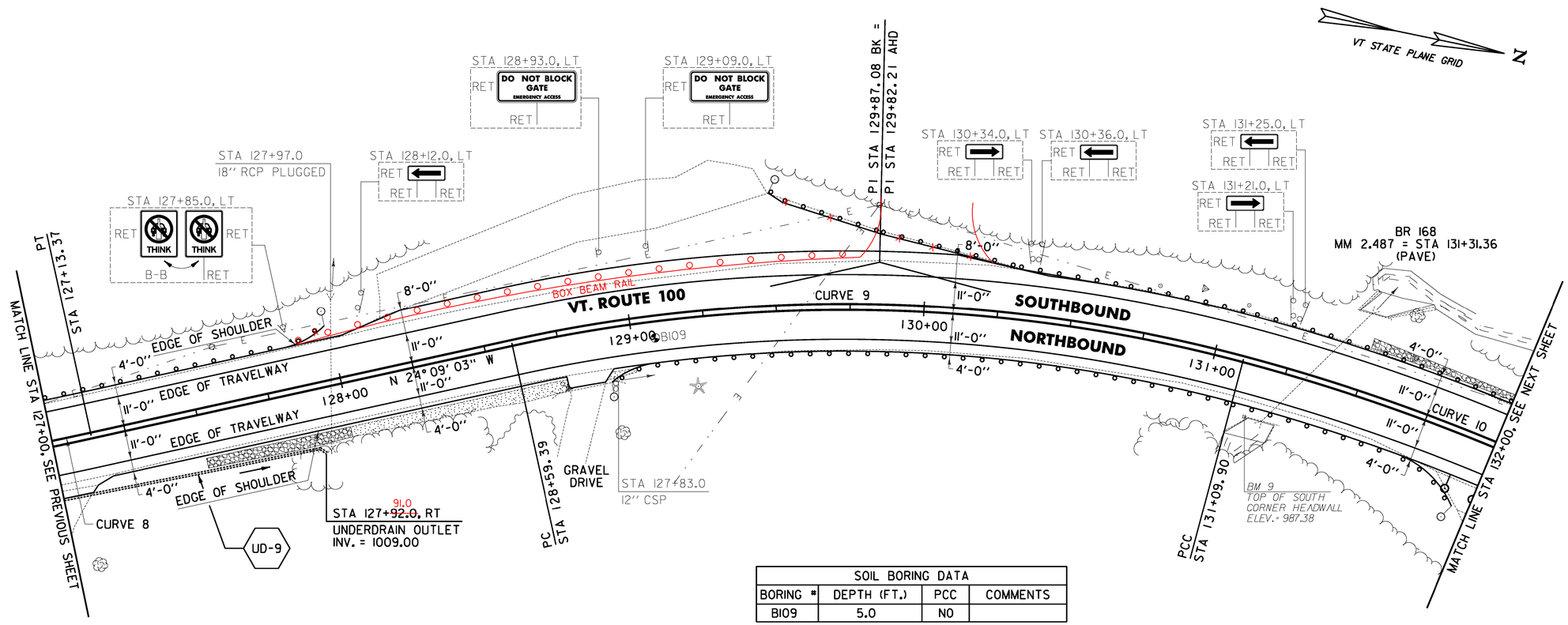
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 127+00.00 - STA 132+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 127+00.00 - STA 132+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 127+00.00 - STA 132+00.00	S	-	S



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B109	5.0	NO	

613.10 STONE FILL, TYPE I
WARREN:
STA 127+50.0 - STA 128+00.0 RT (7.9 CY)
STA 131+50.0 - STA 132+00.0 LT (2.6 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 129+25.0 - STA 131+90.0 RT (265.0 LF)
STA 129+48.0 - STA 132+00.0 LT (267.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 127+50.0 - STA 128+00.0 RT (22.9 SY)
STA 128+00.0 - STA 128+75.0 RT (30.0 SY)
STA 128+91.0 - STA 129+00.0 RT (10.3 SY)
STA 131+50.0 - STA 132+00.0 LT (18.3 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 127+50.0 - STA 128+00.0 RT (22.9 SY)
STA 128+00.0 - STA 128+75.0 RT (30.0 SY)
STA 128+91.0 - STA 129+00.0 RT (10.3 SY)
STA 131+50.0 - STA 132+00.0 LT (18.3 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 127+98.5 LT
STA 128+91.0 RT
STA 129+48.0 LT
STA 131+90.0 RT
STA 131+97.0 RT
STA 132+00.0 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 127+50.0 - STA 128+00.0 RT (34.0 SY)
STA 131+50.0 - STA 132+00.0 LT (29.4 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 127+00.0 - STA 127+98.5 LT (98.5 LF)
STA 128+91.0 - STA 131+97.0 RT (306.0 LF)
STA 129+48.0 - STA 132+00.0 LT (267.0 LF)

CURVE 8
Δ = 28°59'59"
D = 4°51'20"
R = 1180.00'
T = 305.17'
L = 597.25'
E = 38.82'
e = 0.071 FT/FT

CURVE 9
Δ = 27°20'21"
D = 10°54'49"
R = 525.00'
T = 127.69'
L = 250.51'
E = 15.30'
e = 0.080 FT/FT

CURVE 10
Δ = 17°03'44"
D = 8°29'18"
R = 675.00'
T = 101.25'
L = 201.01'
E = 7.55'
e = 0.080 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #16

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048116.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 42 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4966

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 132+00.00 - STA 137+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

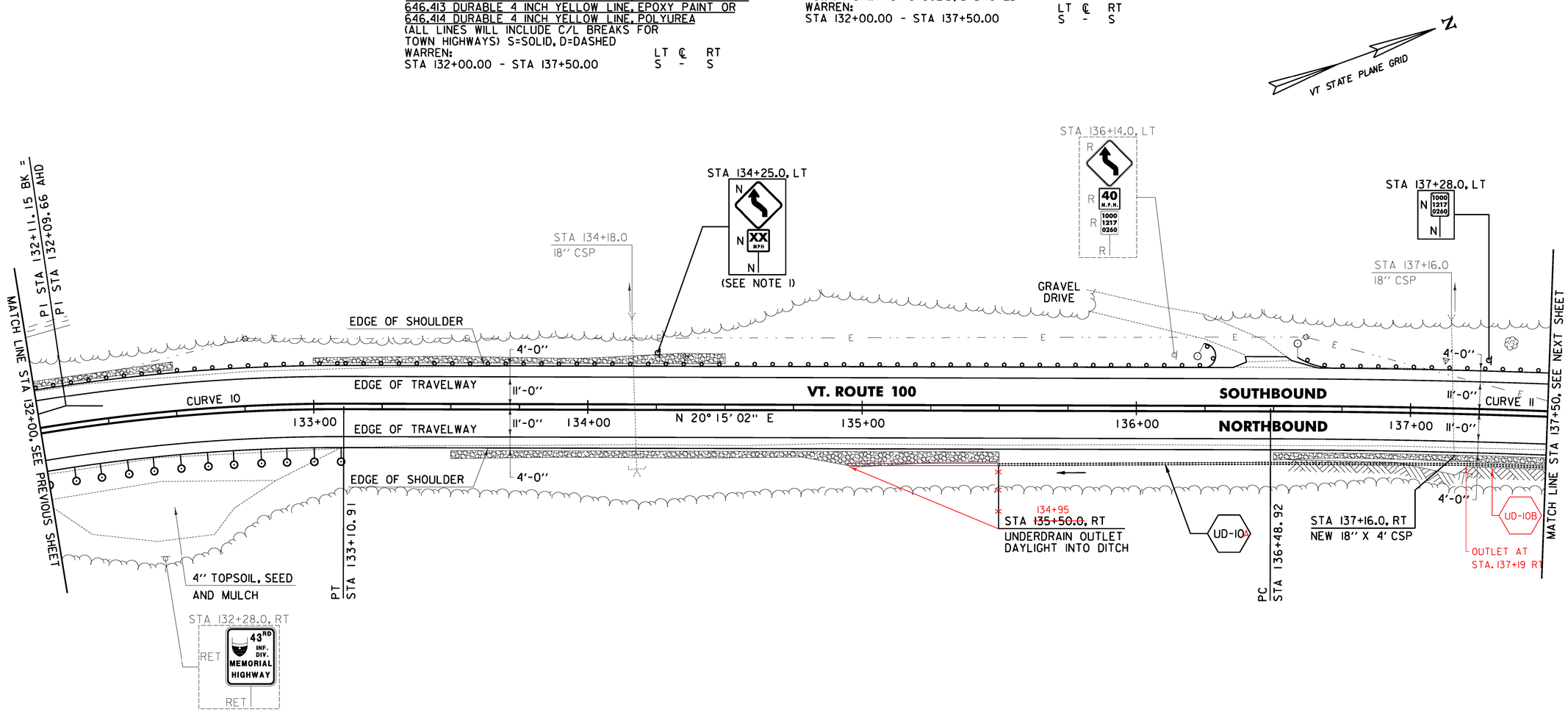
	LT	℄	RT
STA 132+00.00 - STA 137+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 132+00.00 - STA 137+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 132+00.00 - STA 137+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 3



613.10 STONE FILL, TYPE I
WARREN:
STA 132+00.0 - STA 132+50.0 LT (2.6 CY)
STA 133+00.0 - STA 134+50.0 LT (17.1CY)
STA 133+50.0 - STA 135+50.0 RT (33.1CY)
STA 136+50.0 - STA 137+50.0 RT (12.1CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 132+00.0 - STA 136+26.0 LT (426.0 LF)
STA 136+59.0 - STA 137+50.0 LT (91.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 132+00.0 - STA 132+50.0 LT (16.6 SY)
STA 133+00.0 - STA 134+50.0 LT (49.2 SY)
STA 133+50.0 - STA 135+50.0 RT (96.5 SY)
STA 136+50.0 - STA 137+50.0 RT (35.0 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 132+00.0 - STA 132+50.0 LT (16.6 SY)
STA 133+00.0 - STA 134+50.0 LT (49.2 SY)
STA 133+50.0 - STA 135+50.0 RT (96.5 SY)
STA 136+50.0 - STA 137+50.0 RT (35.0 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 132+10.0 RT
STA 132+20.0 RT
STA 132+30.0 RT
STA 132+40.0 RT
STA 132+50.0 RT
STA 132+60.0 RT
STA 132+70.0 RT
STA 132+80.0 RT
STA 132+90.0 RT
STA 133+00.0 RT
STA 133+10.0 RT
STA 136+27.0 LT
STA 136+59.0 LT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 132+00.0 - STA 132+50.0 LT (27.8 SY)
STA 133+00.0 - STA 134+50.0 LT (82.5 SY)
STA 133+50.0 - STA 135+50.0 RT (140.9 SY)
STA 136+50.0 - STA 137+50.0 RT (57.2 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 132+00.0 - STA 136+27.0 LT (427.0 LF)
STA 136+59.0 - STA 137+50.0 LT (91.0 LF)

NOTE:

1. THE ADVISORY SPEED SHALL BE DETERMINED USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

CURVE 10	CURVE 11
Δ = 17°03' 44"	Δ = 7°30' 14"
D = 8°29' 18"	D = 1°52' 43"
R = 675.00'	R = 3050.00'
T = 101.25'	T = 200.01'
L = 201.01'	L = 399.45'
E = 7.55'	E = 6.55'
e = 0.080 FT/FT	e = 0.037 FT/FT

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓣ = RETURN TO THE TOWN OF WARREN

PROJECT LAYOUT SHEET #17

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048117.I	SHEET 43 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 137+50.00 - STA 143+00.00 LT & RT

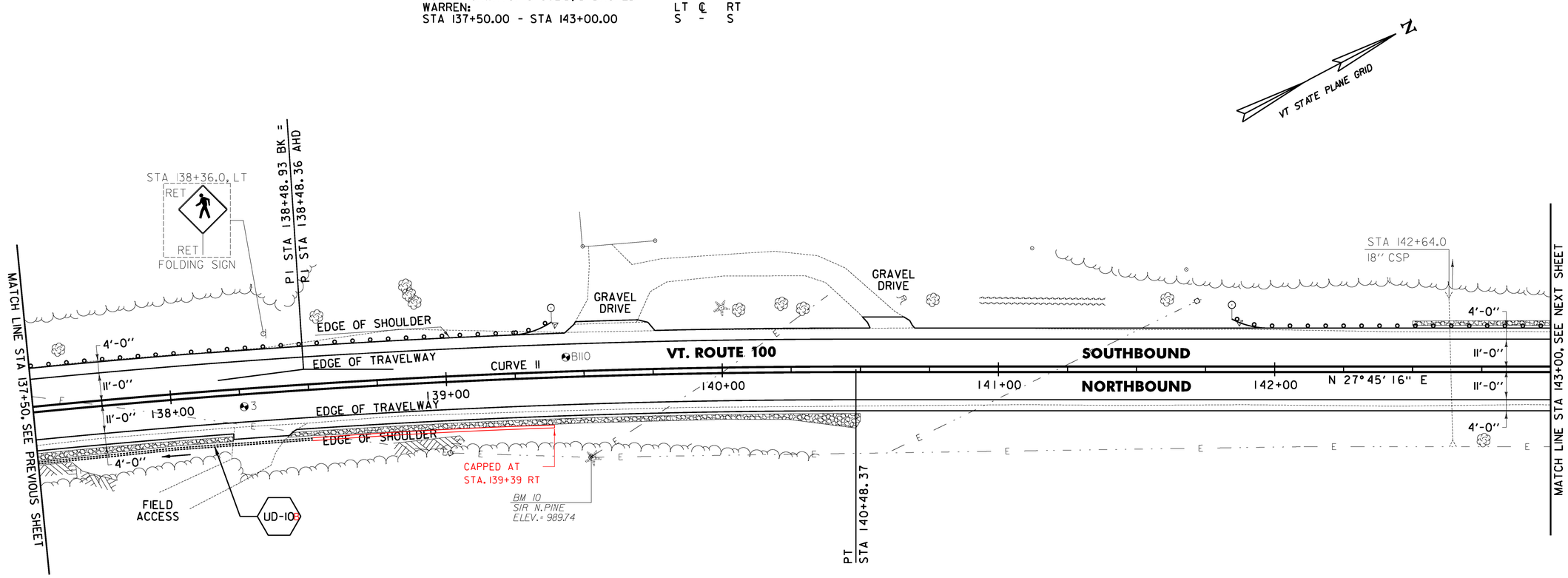
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 137+50.00 - STA 143+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 137+50.00 - STA 143+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 137+50.00 - STA 143+00.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 137+50.0 - STA 138+22.0 RT (10.3 CY)
STA 138+42.0 - STA 140+50.0 RT (20.3 CY)
STA 142+50.0 - STA 143+00.0 LT (4.1 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 137+50.0 - STA 139+39.0 LT (189.0 LF)
STA 141+93.0 - STA 143+00.0 LT (107.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 137+50.0 - STA 138+22.0 RT (29.4 SY)
STA 138+42.0 - STA 140+50.0 RT (58.1 SY)
STA 142+50.0 - STA 143+00.0 LT (11.7 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 137+50.0 - STA 138+22.0 RT (29.4 SY)
STA 138+42.0 - STA 140+50.0 RT (58.1 SY)
STA 142+50.0 - STA 143+00.0 LT (11.7 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 139+39.0 LT
STA 141+84.5 LT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 137+50.0 - STA 138+22.0 RT (51.6 SY)
STA 138+42.0 - STA 140+50.0 RT (102.5 SY)
STA 142+50.0 - STA 143+00.0 LT (22.8 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 137+50.0 - STA 139+39.0 LT (189.0 LF)
STA 141+84.5 - STA 143+00.0 LT (115.5 LF)

CURVE 11
Δ = 7°30' 14"
D = 1°52' 43"
R = 3050.00'
T = 200.01'
L = 399.45'
E = 6.55'
e = 0.037 FT/FT

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B110	5.0	NO	

PAVEMENT CORING DATA			
CORE #	DEPTH (IN.)	PCC	COMMENTS
3	6.25	NO	

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #18

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048118.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 44 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 1846

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 143+00.00 - STA 148+50.00 LT & RT

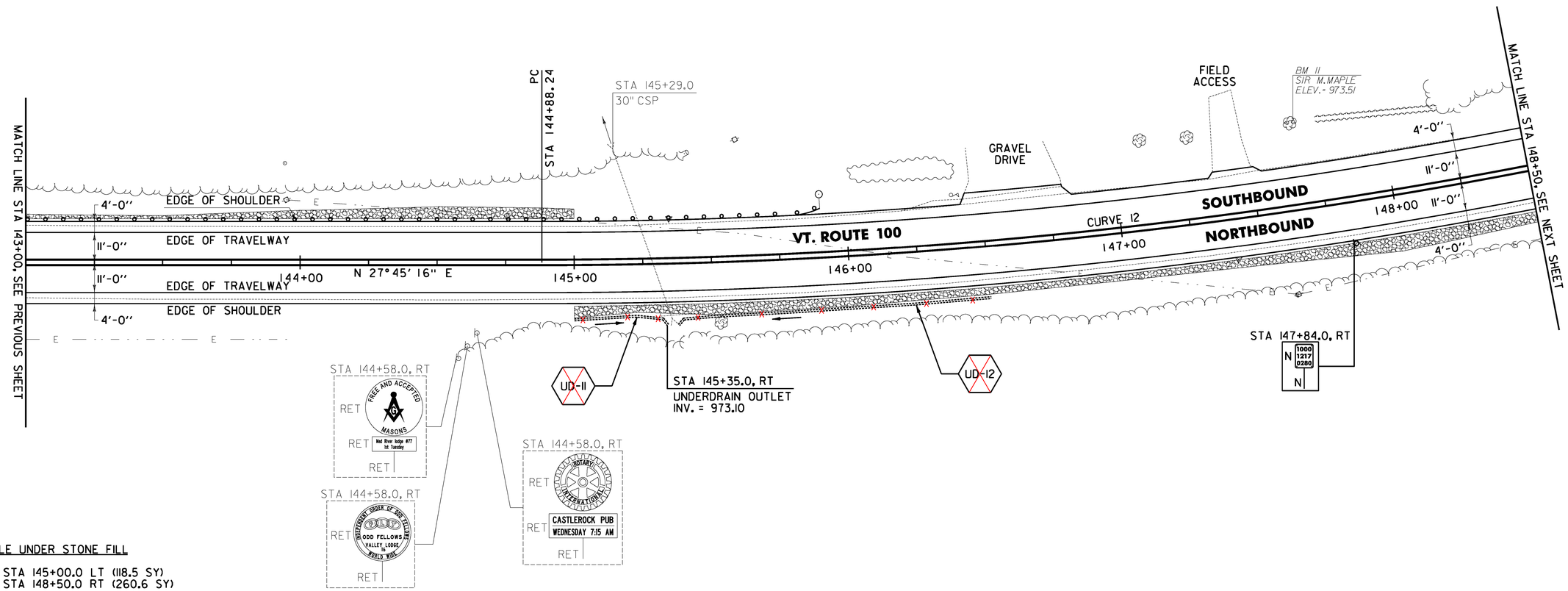
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 143+00.00 - STA 148+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 143+00.00 - STA 148+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 143+00.00 - STA 148+50.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 143+00.0 - STA 145+00.0 LT (118.5 SY)
STA 145+00.0 - STA 148+50.0 RT (260.6 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 143+00.0 - STA 145+00.0 LT (25.6 CY)
STA 145+00.0 - STA 148+50.0 RT (62.6 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 143+00.0 - STA 145+83.0 LT (283.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 143+00.0 - STA 145+00.0 LT (74.1 SY)
STA 145+00.0 - STA 148+50.0 RT (182.8 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 143+00.0 - STA 145+00.0 LT (74.1 SY)
STA 145+00.0 - STA 148+50.0 RT (182.8 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 145+90.5 LT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 143+00.0 - STA 145+90.5 LT (290.5 LF)

CURVE 12
Δ = 28° 43' 16"
D = 3° 00' 56"
R = 1900.00'
T = 486.44'
L = 952.43'
E = 61.28'
e = 0.053 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #19

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048119.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 45 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 1866

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 148+50.00 - STA 154+00.00 LT & RT

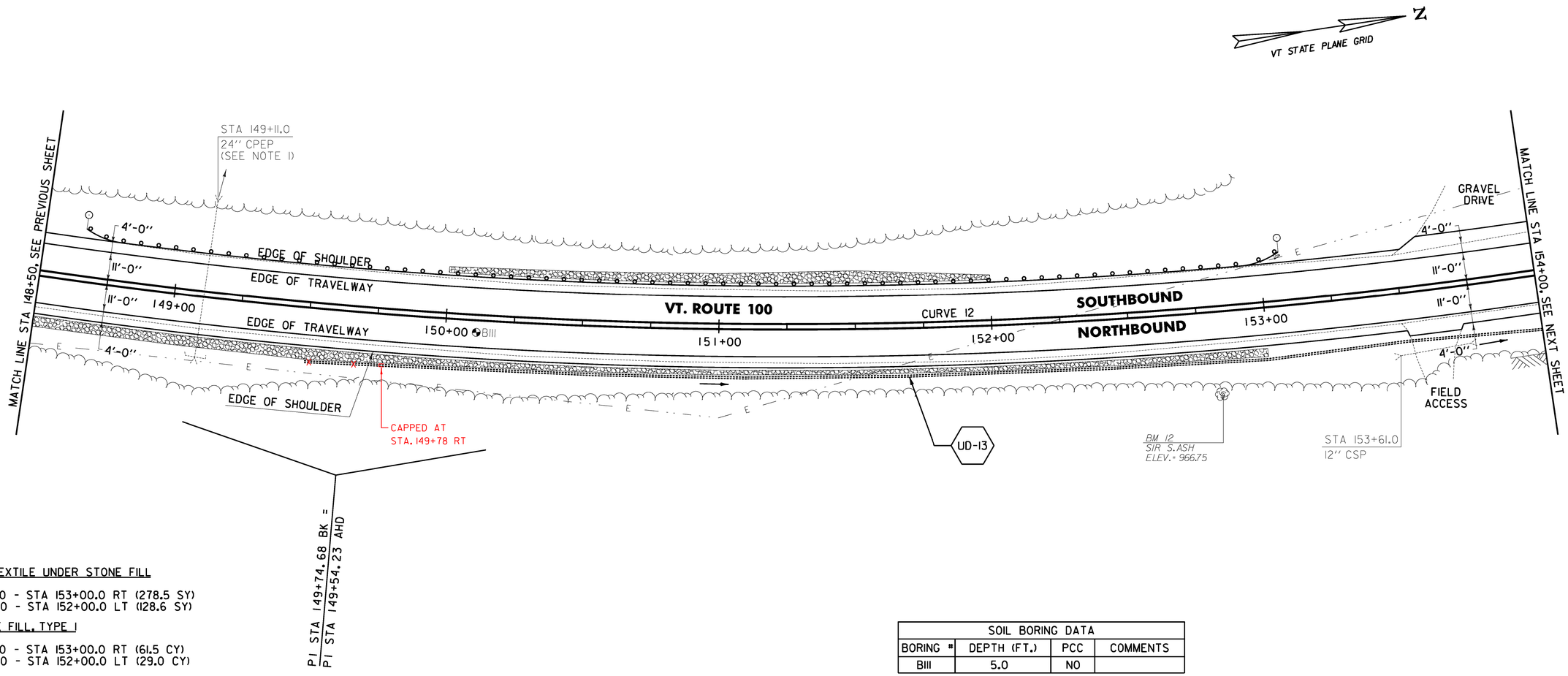
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 148+50.00 - STA 154+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 148+50.00 - STA 154+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 148+50.00 - STA 154+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 148+50.0 - STA 153+00.0 RT (278.5 SY)
STA 150+00.0 - STA 152+00.0 LT (128.6 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 148+50.0 - STA 153+00.0 RT (61.5 CY)
STA 150+00.0 - STA 152+00.0 LT (29.0 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 148+77.0 - STA 152+96.0 LT (419.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 148+50.0 - STA 153+00.0 RT (178.5 SY)
STA 150+00.0 - STA 152+00.0 LT (84.2 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 148+50.0 - STA 153+00.0 RT (178.5 SY)
STA 150+00.0 - STA 152+00.0 LT (84.2 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 148+65.0 LT
STA 153+07.0 LT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 148+65.0 - STA 153+07.0 LT (442.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B111	5.0	NO	

NOTE:

1. CONTRACTOR SHALL SPACE THE GUARDRAIL POST IN A MANNER THAT AVOIDS THE EXISTING CULVERT BELOW AS DIRECTED BY THE ENGINEER.

CURVE 12
Δ = 28° 43' 16"
D = 3° 00' 56"
R = 1900.00'
T = 486.44'
L = 952.43'
E = 61.28'
e = 0.053 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #20

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048120.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 46 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4846

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 154+00.00 - STA 159+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

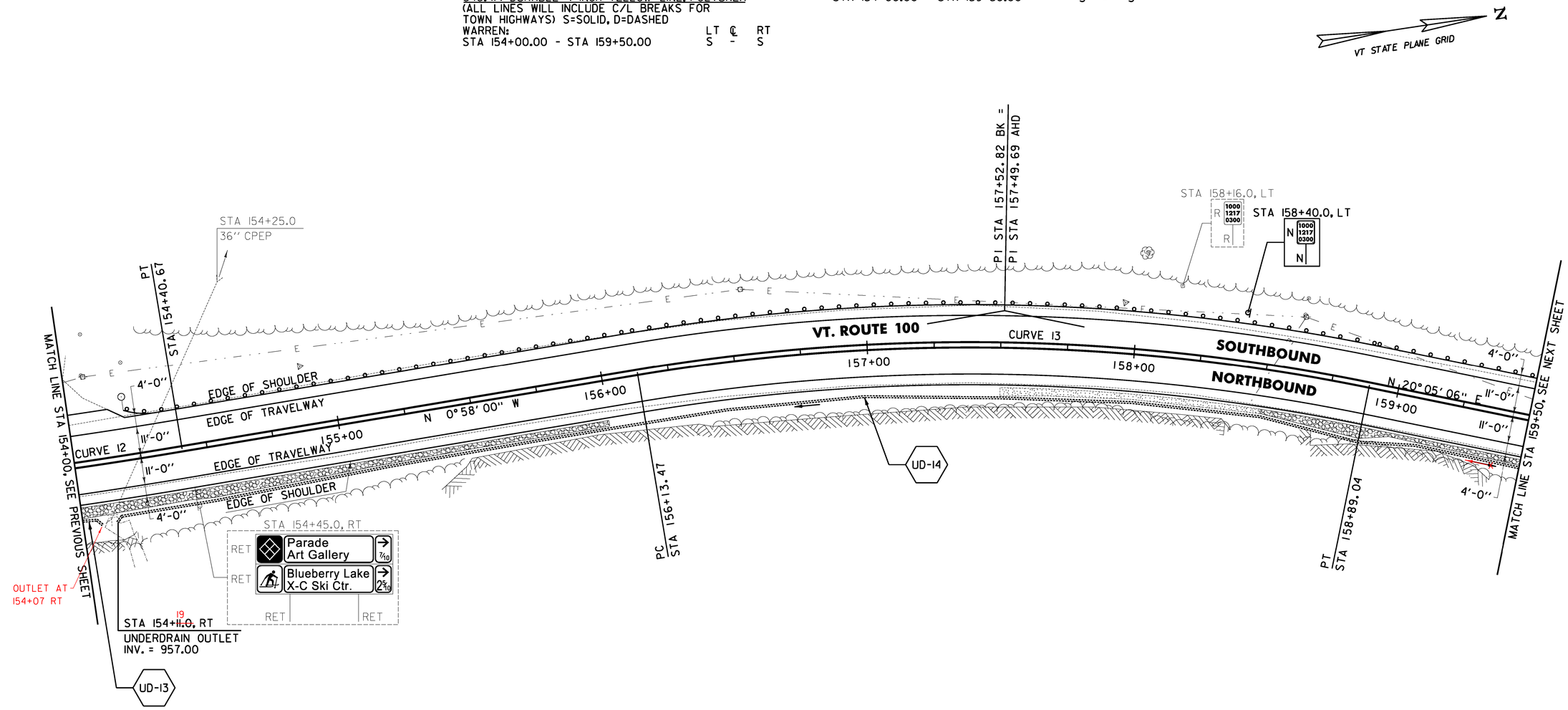
WARREN:	LT	℄	RT
STA 154+00.00 - STA 159+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 154+00.00 - STA 159+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 154+00.00 - STA 159+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



613.10 STONE FILL, TYPE I
WARREN:
STA 154+00.0 - STA 156+00.0 RT (29.9 CY)
STA 158+50.0 - STA 159+50.0 RT (8.5 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 154+15.0 - STA 159+50.0 LT (535.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 154+00.0 - STA 156+00.0 RT (86.9 SY)
STA 157+50.0 - STA 158+50.0 RT (27.9 SY)
STA 158+50.0 - STA 159+50.0 RT (23.9 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 154+00.0 - STA 156+00.0 RT (86.9 SY)
STA 157+50.0 -STA 158+50.0 RT (27.9 SY)
STA 158+50.0 - STA 159+50.0 RT (23.9 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 154+21.2 LT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 154+00.0 - STA 156+00.0 RT (131.3 SY)
STA 158+50.0 - STA 159+50.0 RT (46.1 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 154+21.2 - STA 159+50.0 LT (528.8 LF)

CURVE 12
Δ = 28°43' 16"
D = 3°00' 56"
R = 1900.00'
T = 486.44'
L = 952.43'
E = 61.28'
e = 0.053 FT/FT

CURVE 13
Δ = 21°03' 06"
D = 7°38' 22"
R = 750.00'
T = 139.35'
L = 275.56'
E = 12.84'
e = 0.080 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #21

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048121.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 47 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4626

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 159+50.00 - STA 165+00.00 LT & RT

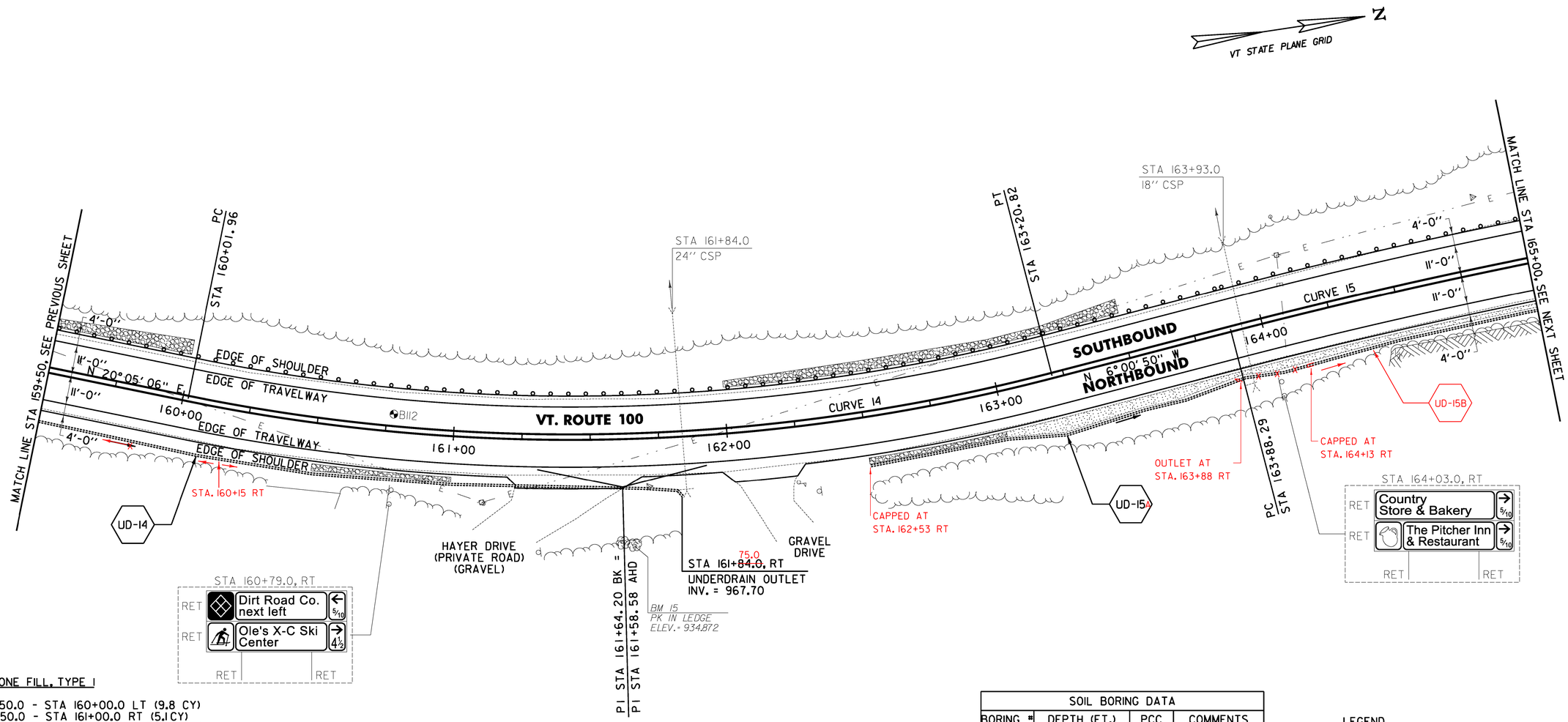
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 159+50.00 - STA 165+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 159+50.00 - STA 165+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 159+50.00 - STA 165+00.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 159+50.0 - STA 160+00.0 LT (9.8 CY)
STA 160+50.0 - STA 161+00.0 RT (5.1 CY)
STA 162+00.0 - STA 163+50.0 LT (23.6 CY)
STA 162+50.0 - STA 163+00.0 RT (2.3 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 159+50.0 - STA 160+00.0 LT (28.7 SY)
STA 160+50.0 - STA 161+00.0 RT (14.5 SY)
STA 162+00.0 - STA 163+50.0 LT (68.7 SY)
STA 162+50.0 - STA 163+00.0 RT (13.0 SY)
STA 163+00.0 - STA 165+00.0 RT (62.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 159+50.0 - STA 160+00.0 LT (28.7 SY)
STA 160+50.0 - STA 161+00.0 RT (14.5 SY)
STA 162+00.0 - STA 163+50.0 LT (68.7 SY)
STA 162+50.0 - STA 163+00.0 RT (13.0 SY)
STA 163+00.0 - STA 165+00.0 RT (62.4 SY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 159+50.0 - STA 165+00.0 LT (550.0 LF)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 159+50.0 - STA 165+00.0 LT (550.0 LF)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 159+50.0 - STA 160+00.0 LT (39.8 SY)
STA 160+50.0 - STA 161+00.0 RT (25.6 SY)
STA 162+00.0 - STA 163+50.0 LT (102.0 SY)
STA 162+50.0 - STA 163+00.0 RT (24.1 SY)

CURVE 14
Δ = 26°05'56"
D = 8°11'06"
R = 700.00'
T = 162.24'
L = 318.86'
E = 18.56'
e = 0.080 FT/FT

CURVE 15
Δ = 14°15'41"
D = 2°51'53"
R = 2000.00'
T = 250.20'
L = 497.82'
E = 15.59'
e = 0.051 FT/FT

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B112	5.0	NO	

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #22

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048122.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 48 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4696

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 165+00.00 - STA 169+50.00 LT & RT

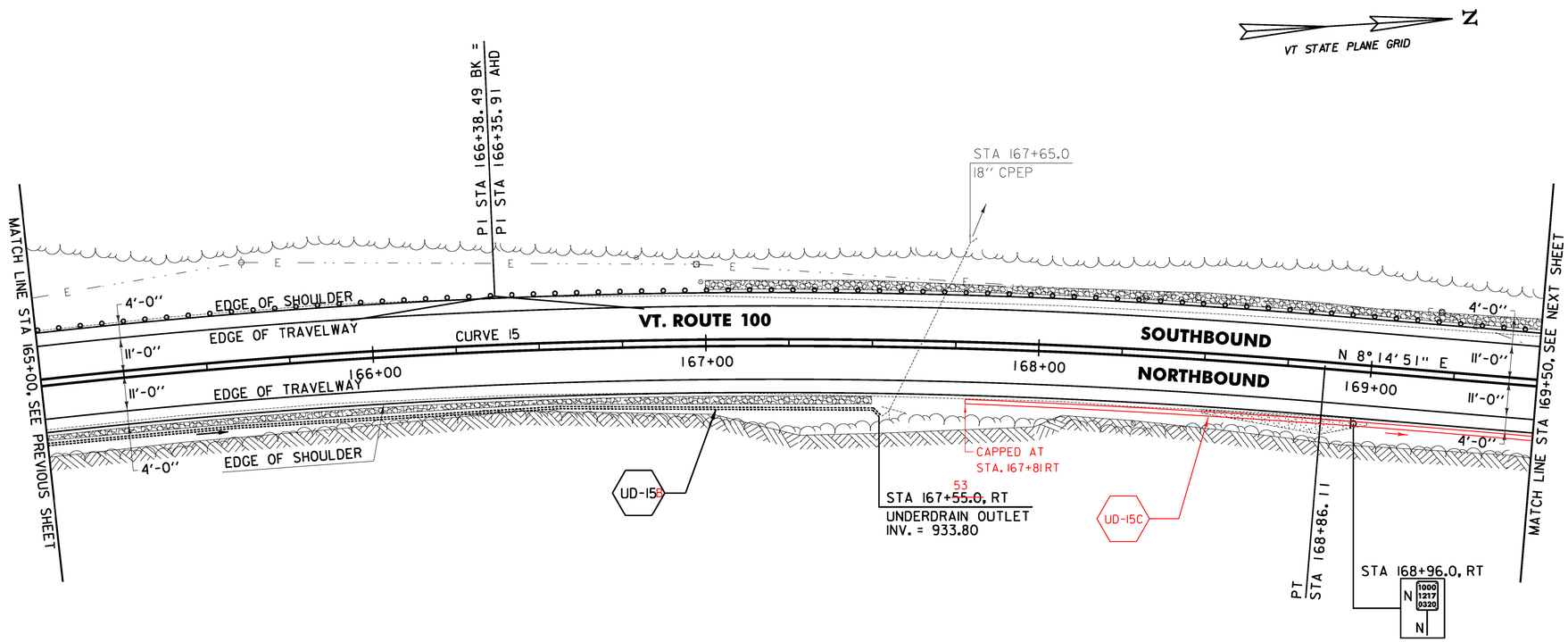
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 165+00.00 - STA 169+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 165+00.00 - STA 169+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 165+00.00 - STA 169+50.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 165+00.0 - STA 167+50.0 RT (123.3 SY)
STA 167+00.0 - STA 169+50.0 LT (153.7 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 165+00.0 - STA 167+50.0 RT (23.7 CY)
STA 167+00.0 - STA 169+50.0 LT (33.9 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 165+00.0 - STA 169+50.0 LT (450.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 165+00.0 - STA 167+50.0 RT (67.7 SY)
STA 167+00.0 - STA 169+50.0 LT (98.2 SY)
STA 168+50.0 - STA 169+00.0 RT (5.7 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 165+00.0 - STA 167+50.0 RT (67.7 CY)
STA 167+00.0 - STA 169+50.0 LT (98.2 CY)
STA 168+50.0 - STA 169+00.0 RT (5.7 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 165+00.0 - STA 169+50.0 LT (450.0 LF)

CURVE 15
Δ = 14° 15' 41"
D = 2° 51' 53"
R = 2000.00'
T = 250.20'
L = 497.82'
E = 15.59'
e = 0.051 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #23

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048i23.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 49 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 169+50.00 - STA 174+00.00 LT & RT

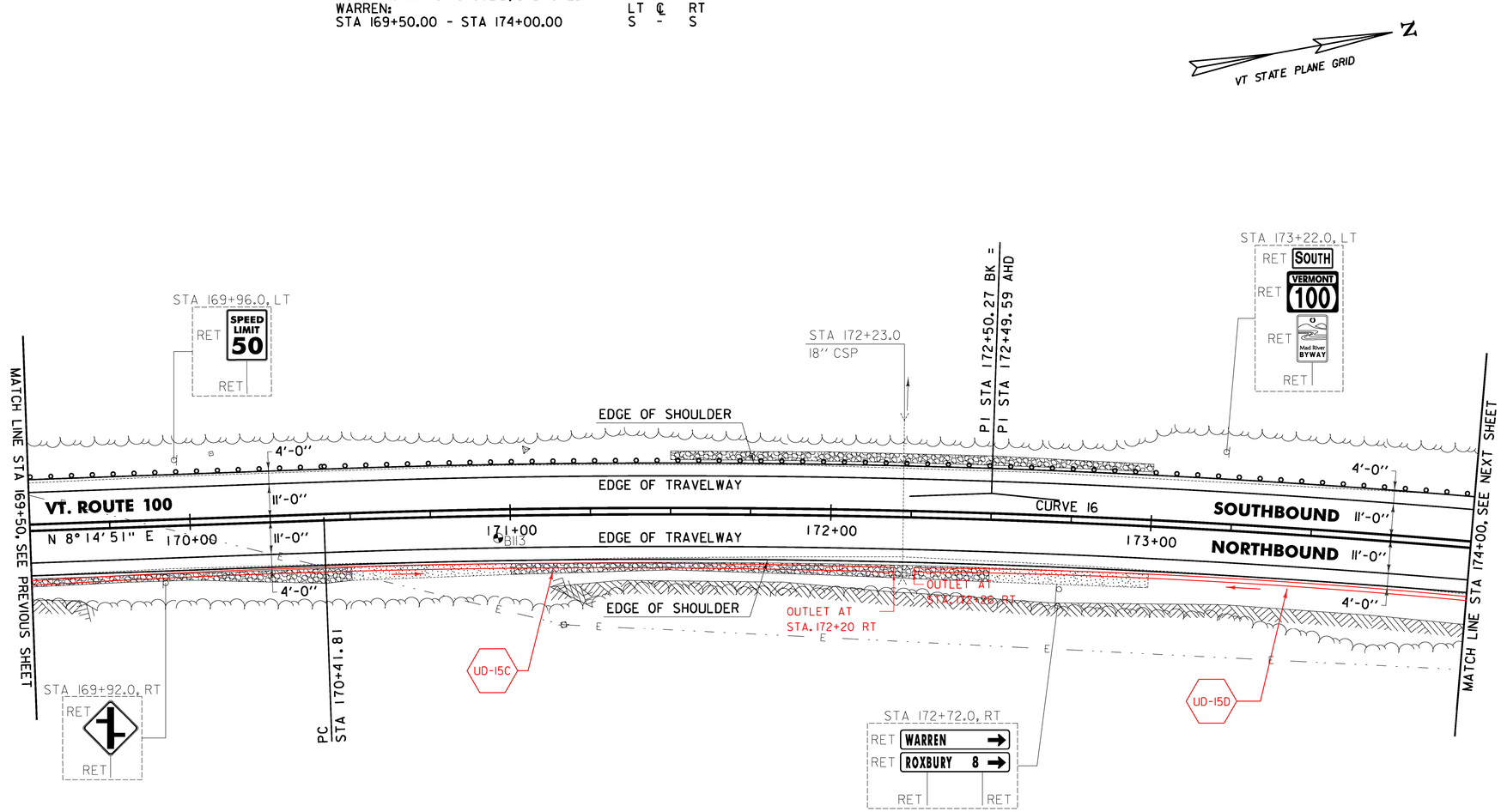
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 169+50.00 - STA 174+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 169+50.00 - STA 174+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 169+50.00 - STA 174+00.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 169+50.0 - STA 170+50.0 RT (5.3 CY)
STA 171+00.0 - STA 172+50.0 RT (14.1 CY)
STA 171+50.0 - STA 173+00.0 LT (19.4 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 169+50.0 - STA 174+00.0 LT (450.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 169+50.0 - STA 170+50.0 RT (35.6 SY)
STA 170+50.0 - STA 171+00.0 RT (23.8 SY)
STA 171+00.0 - STA 172+50.0 RT (65.8 SY)
STA 171+50.0 - STA 173+00.0 LT (55.9 SY)
STA 172+50.0 - STA 173+00.0 RT (26.9 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 169+50.0 - STA 170+50.0 RT (35.6 SY)
STA 170+50.0 - STA 171+00.0 RT (23.8 SY)
STA 171+00.0 - STA 172+50.0 RT (65.8 SY)
STA 171+50.0 - STA 173+00.0 LT (55.9 SY)
STA 172+50.0 - STA 173+00.0 RT (26.9 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 169+50.0 - STA 170+50.0 RT (57.8 SY)
STA 171+00.0 - STA 172+50.0 RT (99.1 SY)
STA 171+50.0 - STA 173+00.0 LT (89.3 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 169+50.0 - STA 174+00.0 LT (450.0 LF)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B113	5.0	NO	

CURVE 16
△ = 7°56' 59"
D = 1°54' 35"
R = 3000.00'
T = 208.46'
L = 416.24'
E = 7.23'
e = 0.037 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #24

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048i24.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 50 OF 310

FILE NAME = U:\1782\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 174+00.00 - STA 179+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 174+00.00 - STA 179+50.00	S	-	S

STA 174+87.36 DOUBLE SOLID RT, TH-4
STA 177+24.96 DOUBLE SOLID LT, TH-43

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 174+87.36 RT, TH-4
STA 177+24.96 LT, TH-43

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 174+87.36 RT, TH-4, "S,T,O,P" (4 EA)
STA 177+24.96 LT, TH-43, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 174+00.00 - STA 179+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 174+00.00 - STA 179+50.00	S	-	S

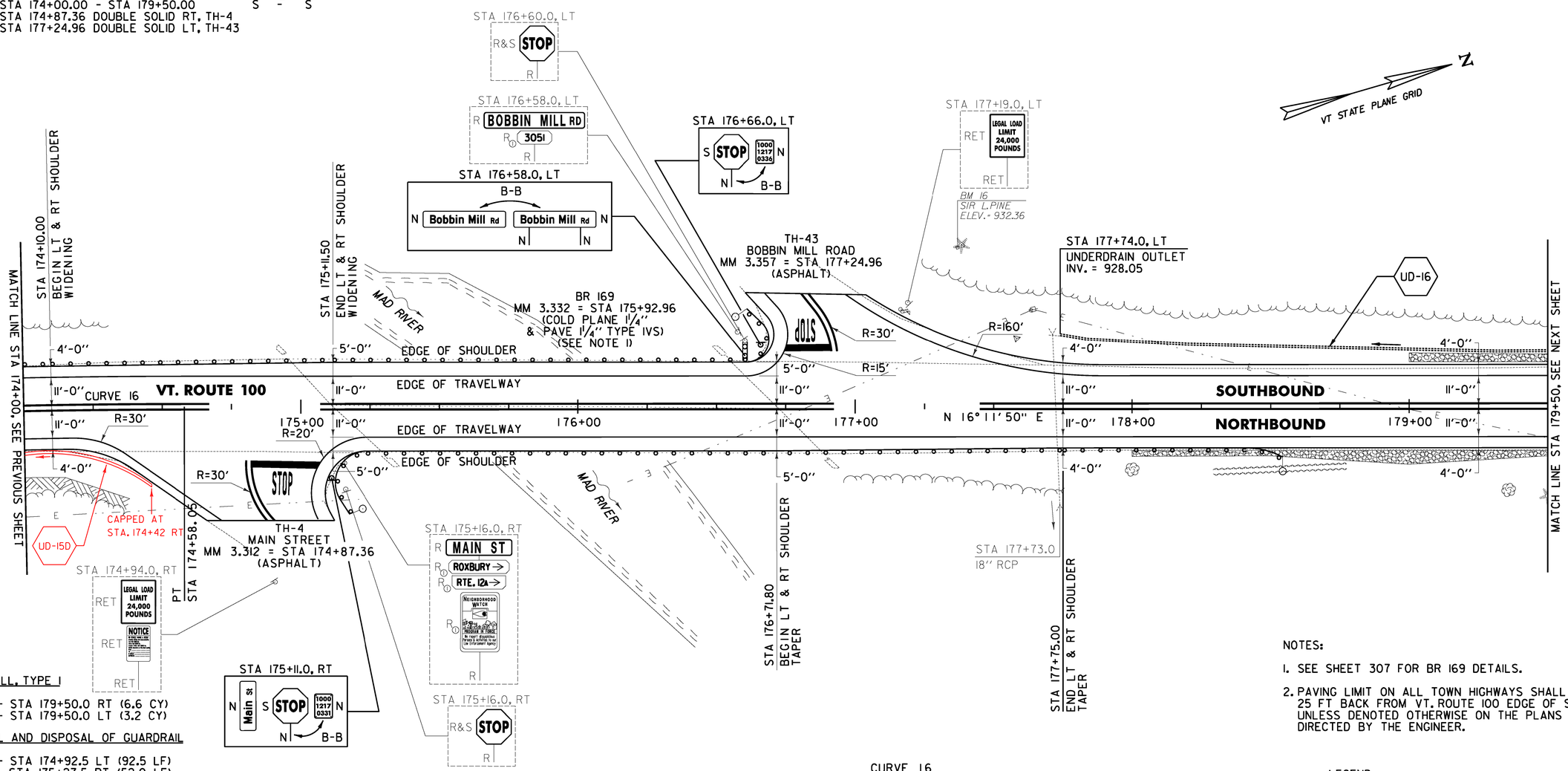
STA 174+87.36 DOUBLE SOLID RT, TH-4
STA 177+24.96 DOUBLE SOLID LT, TH-43

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 174+87.36 RT, TH-4
STA 177+24.96 LT, TH-43

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 174+87.36 RT, TH-4, "S,T,O,P" (8 EA)
STA 177+24.96 LT, TH-43, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 8

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



613.10 STONE FILL, TYPE I
WARREN:
STA 178+00.0 - STA 179+50.0 RT (6.6 CY)
STA 179+00.0 - STA 179+50.0 LT (3.2 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 174+00.0 - STA 174+92.5 LT (92.5 LF)
STA 175+25.0 - STA 175+27.5 RT (52.0 LF)
STA 176+55.0 - STA 176+67.0 LT (12.0 LF)
STA 176+89.7 - STA 178+28.0 RT (138.3 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 178+00.0 - STA 179+50.0 RT (55.8 SY)
STA 179+00.0 - STA 179+50.0 LT (18.2 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 178+00.0 - STA 179+50.0 RT (55.8 SY)
STA 179+00.0 - STA 179+50.0 LT (18.2 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 175+25.0 RT
STA 176+55.0 LT
STA 178+53.3 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 178+00.0 - STA 179+50.0 RT (92.1 SY)
STA 179+00.0 - STA 179+50.0 LT (30.6 SY)

900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM)
WARREN:
STA 174+60.2 - STA 174+92.5 LT (1 EA)
STA 175+25.0 - STA 175+27.5 RT (1 EA)
STA 176+55.0 - STA 176+55.0 LT (1 EA)
STA 176+90.0 - STA 177+22.3 RT (1 EA)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 174+00.0 - STA 174+60.2 LT (60.2 LF)
STA 175+25.0 - STA 175+25.0 RT (59.0 LF)
STA 176+55.0 - STA 176+62.0 LT (23.0 LF)
STA 177+22.3 - STA 178+53.3 RT (131.0 LF)

CURVE 16
Δ = 7°56' 59"
D = 1°54' 35"
R = 3000.00'
T = 208.46'
L = 416.24'
E = 7.23'
e = 0.037 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

NOTES:

1. SEE SHEET 307 FOR BR 169 DETAILS.
2. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #25

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048125.i	SHEET 51 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4062

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 179+50.00 - STA 185+50.00 LT & RT
STA 181+89.60 TH-3 EDGE LINE LT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN: LT ℄ RT
STA 179+50.00 - STA 185+50.00 S - S
STA 181+89.60 TH-3 EDGE LINE LT
STA 181+89.60 DOUBLE SOLID LT, TH-3

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC OR
646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT OR
646.444 DURABLE 8 INCH WHITE LINE, POLYUREA
WARREN:
STA 181+89.60 TH-3, HATCHED AREA LT
STA 181+91.00 - STA 182+69.00 TH-3 HATCHED AREA LT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 181+89.60 LT, TH-3, YIELD LINE (5 EA)
STA 181+89.60 LT, TH-3, "S,T,O,P" (4 EA)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 181+89.60 LT, TH-3

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 179+50.00 - STA 185+50.00 LT & RT
STA 181+89.60 TH-3 EDGE LINE LT

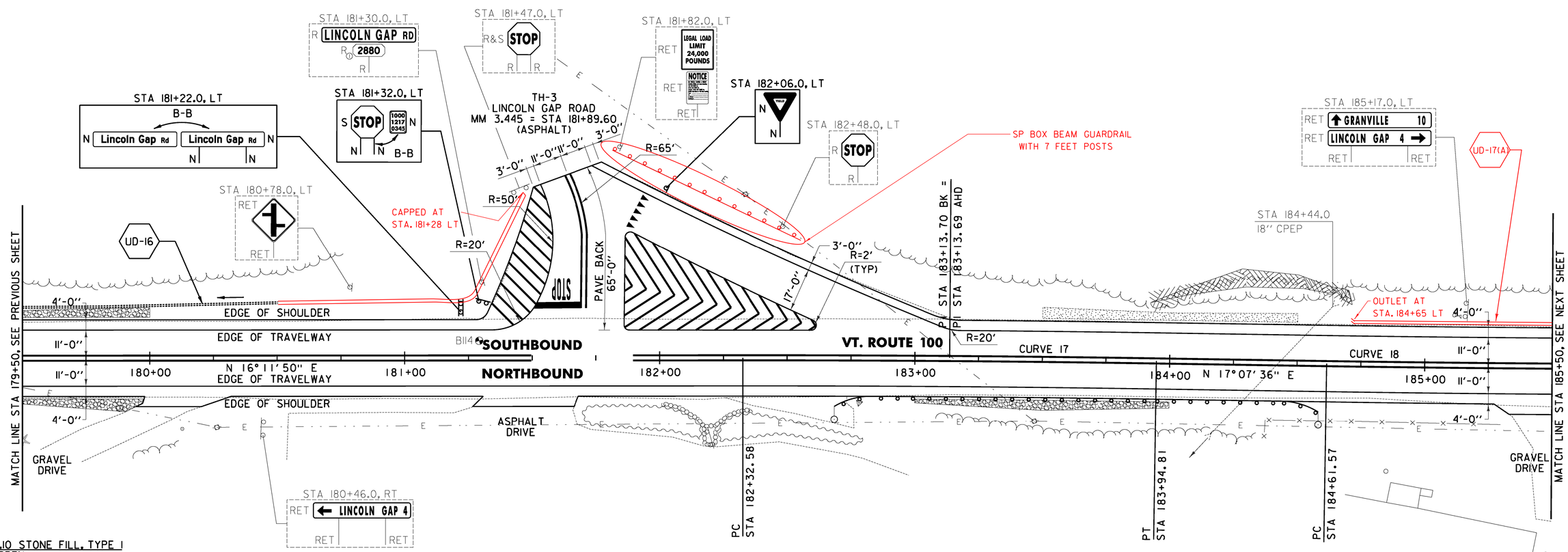
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN: LT ℄ RT
STA 179+50.00 - STA 185+50.00 S - S
STA 181+89.60 TH-3 EDGE LINE LT
STA 181+89.60 DOUBLE SOLID LT, TH-3

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 181+89.60 LT, TH-3

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 181+89.60 LT, TH-3, YIELD LINE (10 EA)
STA 181+89.60 LT, TH-3, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



613.10 STONE FILL, TYPE I
WARREN:
STA 179+50.0 - STA 180+00.0 LT (3.2 CY)
STA 179+50.0 - STA 179+97.0 RT (2.3 CY)
STA 183+00.0 - STA 184+00.0 RT (13.6 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 182+83.0 - STA 184+45.0 RT (162.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 179+50.0 - STA 180+00.0 LT (20.8 SY)
STA 179+50.0 - STA 179+97.0 RT (22.6 SY)
STA 183+00.0 - STA 184+00.0 RT (39.4 SY)
STA 183+50.0 - STA 184+50.0 LT (42.5 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 179+50.0 - STA 180+00.0 LT (20.8 SY)
STA 179+50.0 - STA 179+97.0 RT (22.6 SY)
STA 183+00.0 - STA 184+00.0 RT (39.4 SY)
STA 183+50.0 - STA 184+50.0 LT (42.5 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 182+68.5 RT
STA 184+58.5 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 179+50.0 - STA 180+00.0 LT (30.6 SY)
STA 179+50.0 - STA 179+97.0 RT (30.7 SY)
STA 183+00.0 - STA 184+00.0 RT (61.6 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 182+68.5 - STA 184+58.5 RT (190.0 LF)
LINCOLN GAP ROAD "RT" (130 LF)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B114	5.0	NO	

CURVE 17
△ = 0°55' 46"
D = 0°34' 23"
R = 10000.00'
T = 81.12'
L = 162.23'
E = 0.33'
e = NC

CURVE 18
△ = 1°20' 12"
D = 0°34' 23"
R = 10000.00'
T = 116.66'
L = 233.30'
E = 0.68'
e = NC

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓣ = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #26

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048126.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 52 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4806

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 185+50.00 - STA 191+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 185+50.00 - STA 191+50.00	S	-	S
STA 186+38.40 DOUBLE SOLID RT, TH-3			

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 186+38.40 RT, TH-3

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 186+38.40 RT, TH-3, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 185+50.00 - STA 191+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

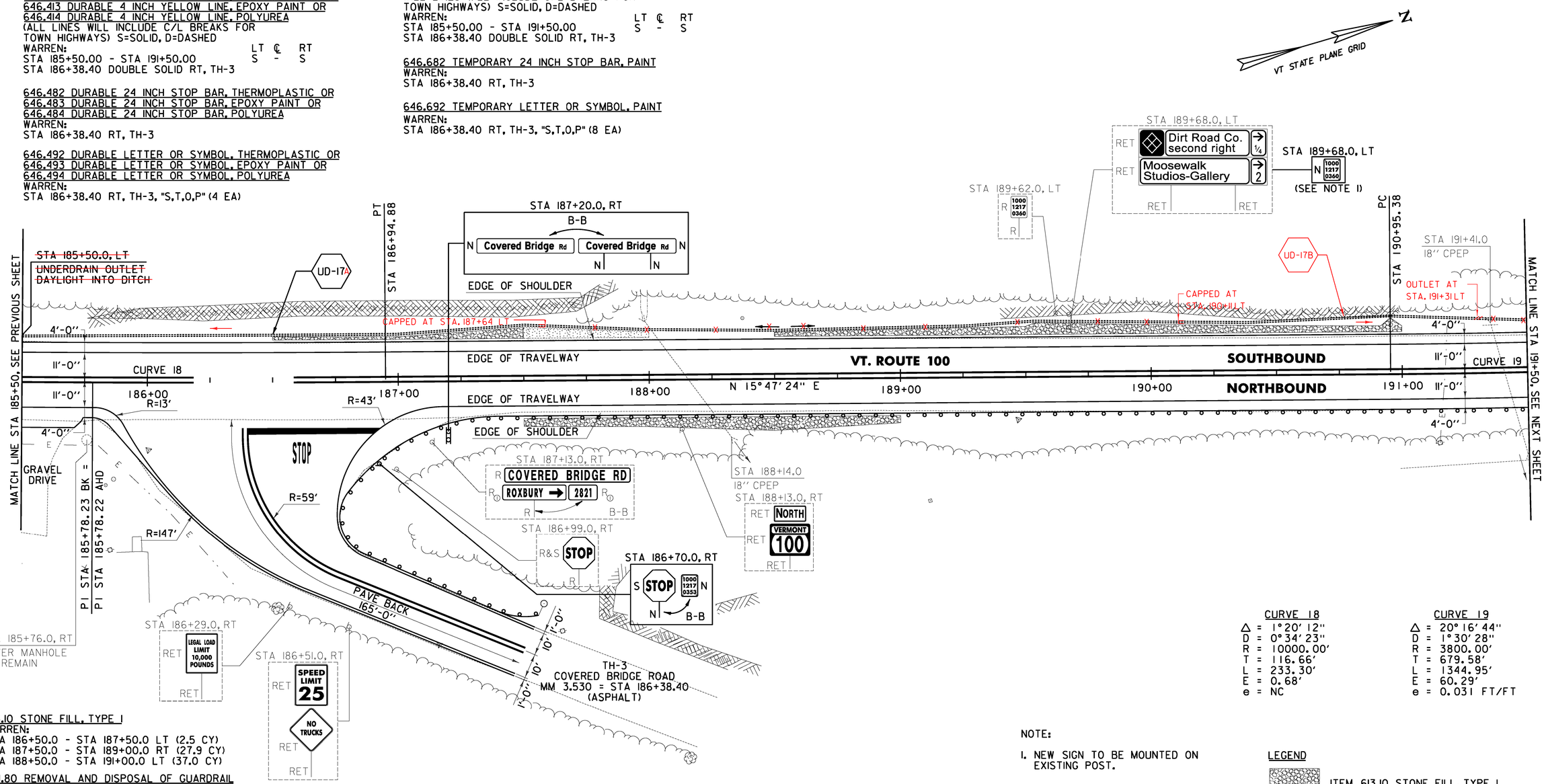
	LT	℄	RT
STA 185+50.00 - STA 191+50.00	S	-	S
STA 186+38.40 DOUBLE SOLID RT, TH-3			

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 186+38.40 RT, TH-3

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 186+38.40 RT, TH-3, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 5

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



CURVE 18		CURVE 19	
Δ =	1° 20' 12"	Δ =	20° 16' 44"
D =	0° 34' 23"	D =	1° 30' 28"
R =	10000.00'	R =	3800.00'
T =	116.66'	T =	679.58'
L =	233.30'	L =	1344.95'
E =	0.68'	E =	60.29'
e =	NC	e =	0.031 FT/FT

613.10 STONE FILL, TYPE I
WARREN:
STA 186+50.0 - STA 187+50.0 LT (2.5 CY)
STA 187+50.0 - STA 189+00.0 RT (27.9 CY)
STA 188+50.0 - STA 191+00.0 LT (37.0 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 187+75.0 - STA 191+50.0 RT (576.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 186+50.0 - STA 187+50.0 LT (24.8 SY)
STA 187+50.0 - STA 188+00.0 LT (20.6 SY)
STA 187+50.0 - STA 189+00.0 RT (81.4 SY)
STA 188+50.0 - STA 191+00.0 LT (107.5 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 186+50.0 - STA 187+50.0 LT (24.8 SY)
STA 187+50.0 - STA 188+00.0 LT (20.6 SY)
STA 187+50.0 - STA 189+00.0 RT (81.4 SY)
STA 188+50.0 - STA 191+00.0 LT (107.5 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 187+80.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 186+80.0 - STA 191+50.0 RT (576.0 LF)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 186+50.0 - STA 187+50.0 LT (47.0 SY)
STA 187+50.0 - STA 189+00.0 RT (114.7 SY)
STA 188+50.0 - STA 191+00.0 LT (163.0 SY)

NOTE:

1. NEW SIGN TO BE MOUNTED ON EXISTING POST.

LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

PROJECT LAYOUT SHEET #27

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048127.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 53 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4846

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 191+50.00 - STA 197+50.00 LT & RT

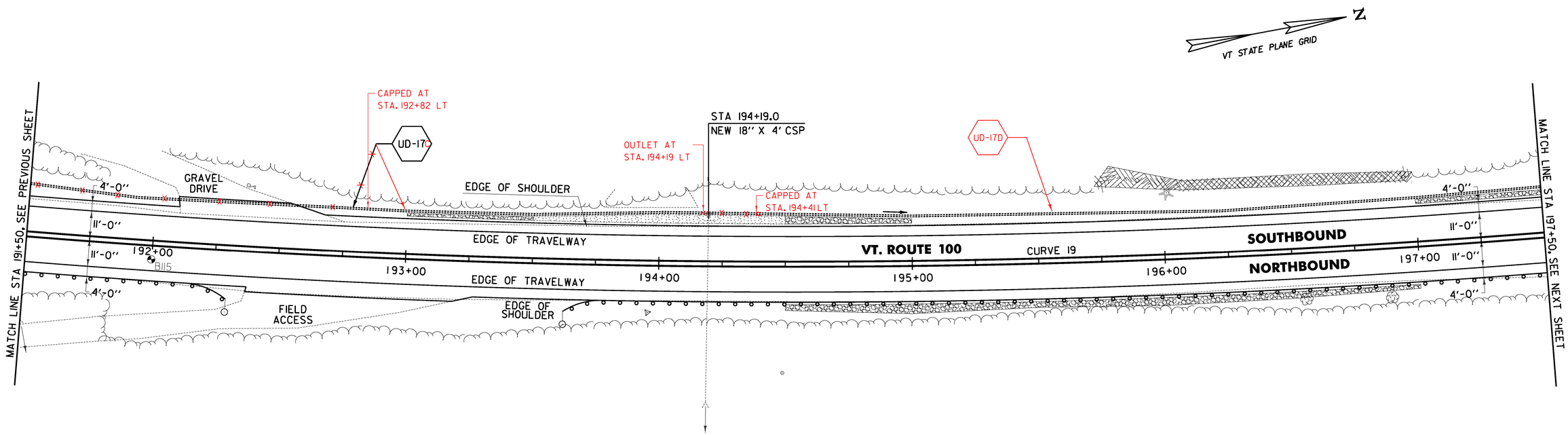
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 191+50.00 - STA 197+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 191+50.00 - STA 197+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 191+50.00 - STA 197+50.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 193+00.0 - STA 193+50.0 LT (3.5 CY)
STA 194+50.0 - STA 195+00.0 LT (5.6 CY)
STA 194+50.0 - STA 197+00.0 RT (35.2 CY)
STA 197+00.0 - STA 197+50.0 LT (2.2 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 191+50.0 - STA 192+30.0 RT (80.0 LF)
STA 193+73.0 - STA 197+50.0 RT (377.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 193+00.0 - STA 193+50.0 LT (9.8 SY)
STA 193+50.0 - STA 194+50.0 LT (37.0 SY)
STA 194+50.0 - STA 195+00.0 LT (16.1 SY)
STA 194+50.0 - STA 197+00.0 RT (102.2 SY)
STA 197+00.0 - STA 197+50.0 LT (11.2 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 193+00.0 - STA 193+50.0 LT (9.8 SY)
STA 193+50.0 - STA 194+50.0 LT (37.0 SY)
STA 194+50.0 - STA 195+00.0 LT (16.1 SY)
STA 194+50.0 - STA 197+00.0 RT (102.2 SY)
STA 197+00.0 - STA 197+50.0 LT (11.2 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 192+32.0 RT
STA 193+62.5 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 193+00.0 - STA 193+50.0 LT (20.9 SY)
STA 194+50.0 - STA 195+00.0 LT (27.2 SY)
STA 194+50.0 - STA 197+00.0 RT (157.8 SY)
STA 197+00.0 - STA 197+50.0 LT (22.3 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 191+50.0 - STA 192+32.0 RT (82.0 LF)
STA 193+62.5 - STA 197+50.0 RT (387.5 LF)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B115	5.0	NO	

CURVE 19
Δ = 20° 16' 44"
D = 1° 30' 28"
R = 3800.00'
T = 679.58'
L = 1344.95'
E = 60.29'
e = 0.031 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #28

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048i28.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 54 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 197+50.00 - STA 203+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

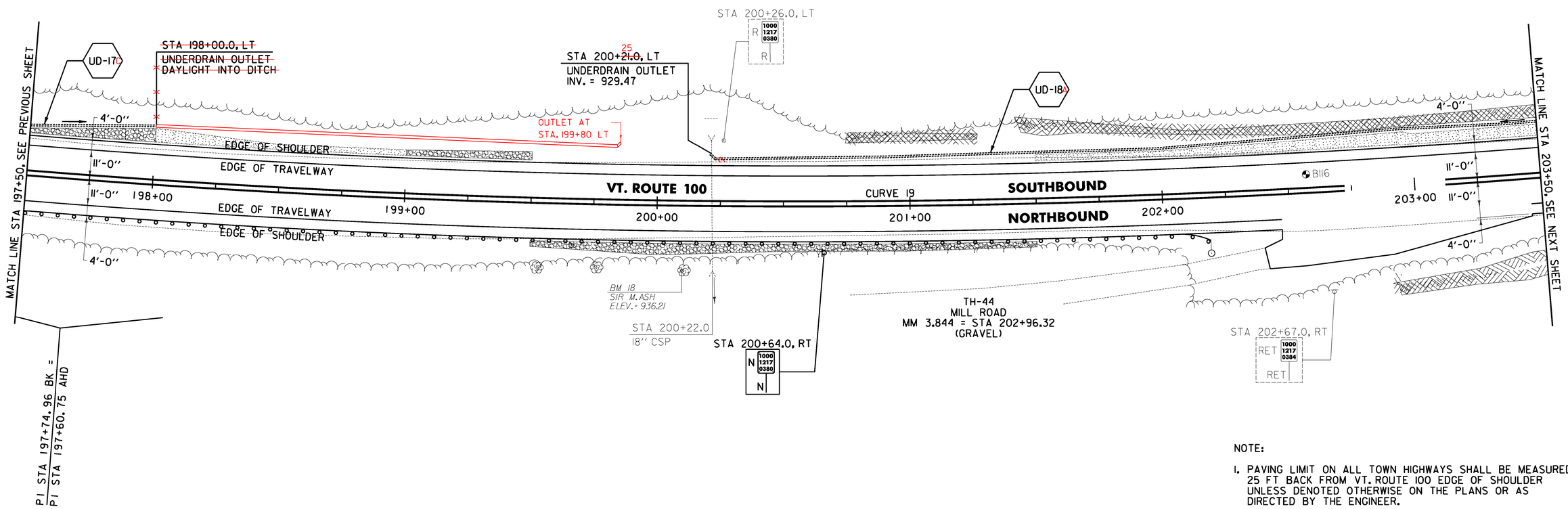
	LT	℄	RT
STA 197+50.00 - STA 203+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 197+50.00 - STA 203+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 197+50.00 - STA 203+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

613.10 STONE FILL, TYPE I
WARREN:
STA 197+50.0 - STA 198+00.0 LT (2.2 CY)
STA 199+00.0 - STA 199+50.0 LT (2.6 CY)
STA 199+50.0 - STA 201+50.0 RT (31.2 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 197+50.0 - STA 202+10.0 RT (460.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 197+50.0 - STA 198+00.0 LT (23.2 SY)
STA 198+00.0 - STA 199+00.0 LT (36.7 SY)
STA 199+00.0 - STA 199+50.0 LT (17.3 SY)
STA 199+50.0 - STA 201+50.0 RT (90.9 SY)
STA 201+50.0 - STA 203+50.0 LT (85.0 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 197+50.0 - STA 198+00.0 LT (23.2 SY)
STA 198+00.0 - STA 199+00.0 LT (36.7 SY)
STA 199+00.0 - STA 199+50.0 LT (17.3 SY)
STA 199+50.0 - STA 201+50.0 RT (90.9 SY)
STA 201+50.0 - STA 203+50.0 LT (85.0 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 202+18.5 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 197+50.0 - STA 202+18.5 RT (468.5 LF)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 197+50.0 - STA 198+00.0 LT (34.3 SY)
STA 199+00.0 - STA 199+50.0 LT (28.4 SY)
STA 199+50.0 - STA 201+50.0 RT (135.4 SY)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B116	4.0	NO	REFUSAL AT 4.0 FT

CURVE 19
Δ = 20° 16' 44"
D = 1° 30' 28"
R = 3800.00'
T = 679.58'
L = 1344.95'
E = 60.29'
e = 0.031 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #29

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048129.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 55 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4063

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 203+50.00 - STA 209+00.00 LT & RT

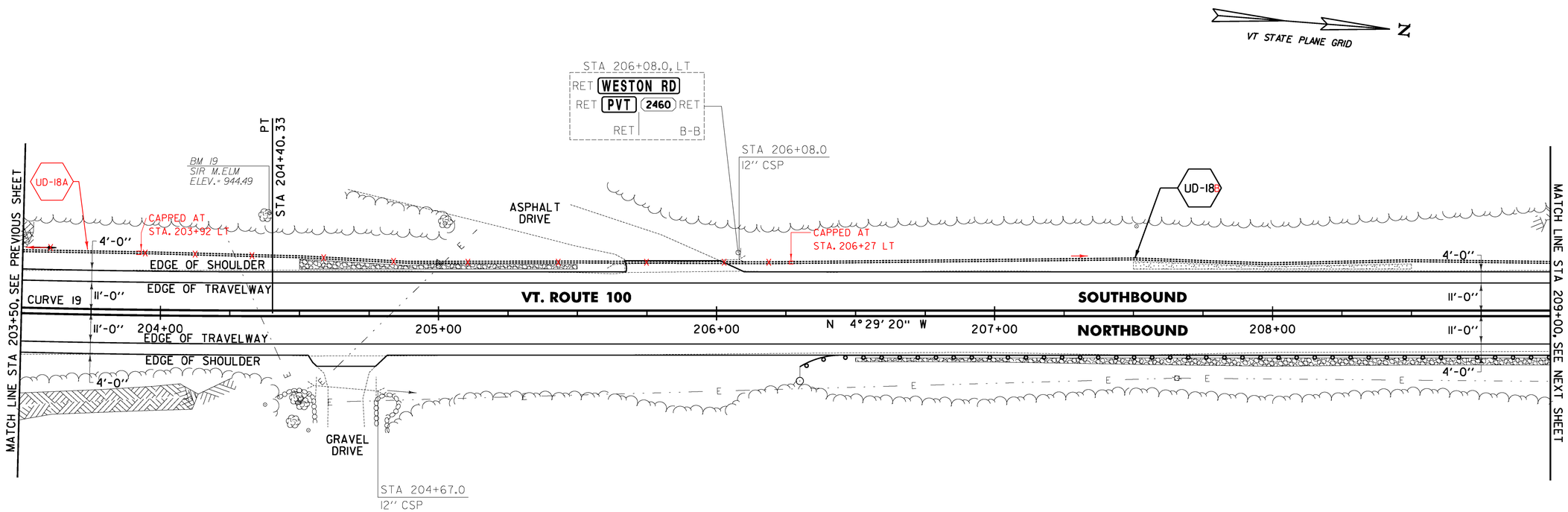
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 203+50.00 - STA 209+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 203+50.00 - STA 209+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 203+50.00 - STA 209+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 204+50.0 - STA 205+50.0 LT (52.1 SY)
STA 206+50.0 - STA 209+00.0 RT (128.0 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 204+50.0 - STA 205+50.0 LT (10.4 CY)
STA 206+50.0 - STA 209+00.0 RT (13.3 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 206+41.0 - STA 209+00.0 RT (259.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 204+50.0 - STA 205+50.0 LT (29.9 SY)
STA 206+50.0 - STA 209+00.0 RT (72.4 SY)
STA 207+50.0 - STA 208+50.0 LT (19.5 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 204+50.0 - STA 205+50.0 LT (29.9 SY)
STA 206+50.0 - STA 209+00.0 RT (72.4 SY)
STA 207+50.0 - STA 208+50.0 LT (19.5 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 206+30.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 206+30.0 - STA 209+00.0 RT (270.0 LF)

CURVE 19
Δ = 20° 16' 44"
D = 1° 30' 28"
R = 3800.00'
T = 679.58'
L = 1344.95'
E = 60.29'
e = 0.031 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
(1) = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #30

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048130.i	SHEET 56 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 209+00.00 - STA 214+50.00 LT & RT

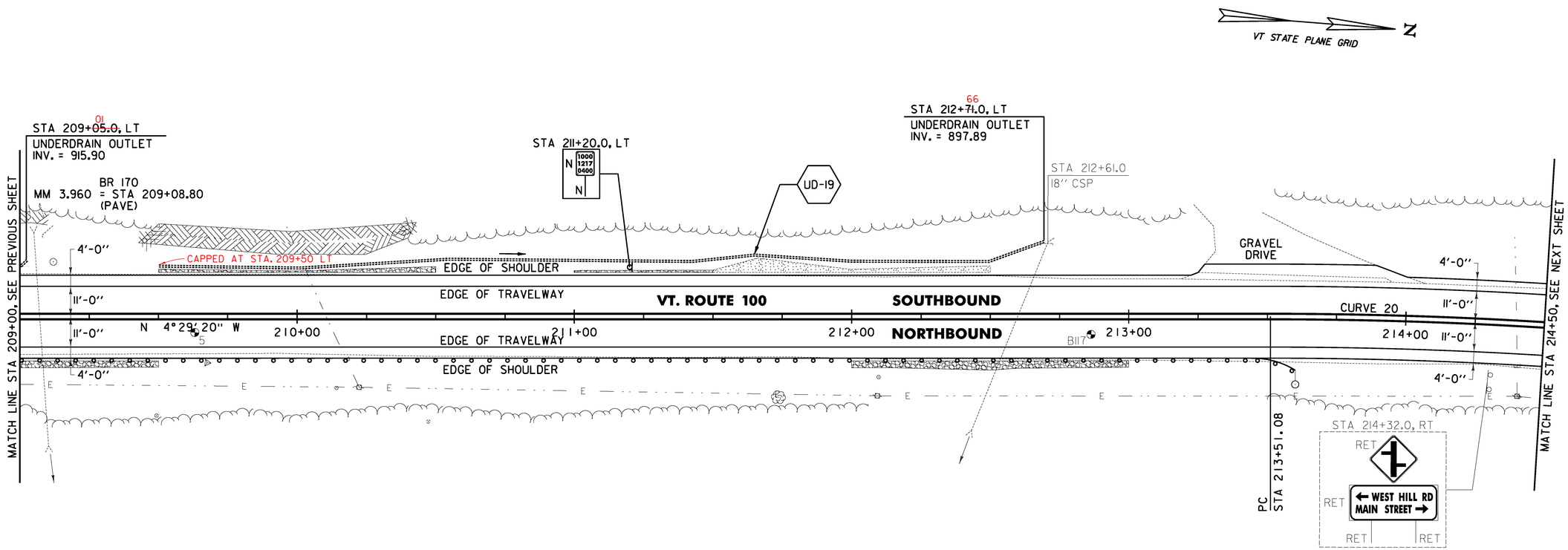
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 209+00.00 - STA 214+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 209+00.00 - STA 214+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 209+00.00 - STA 214+50.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 209+00.0 - STA 209+50.0 RT (2.9 CY)
STA 209+50.0 - STA 210+50.0 LT (1.5 CY)
STA 211+00.0 - STA 211+50.0 LT (2.1 CY)
STA 212+00.0 - STA 213+00.0 RT (13.1 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 209+00.0 - STA 210+25.0 RT (125.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 209+00.0 - STA 209+50.0 RT (15.4 SY)
STA 209+50.0 - STA 210+50.0 LT (14.3 SY)
STA 211+00.0 - STA 211+50.0 LT (5.7 SY)
STA 211+50.0 - STA 212+50.0 LT (16.8 SY)
STA 212+00.0 - STA 213+00.0 RT (37.8 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 209+00.0 - STA 209+50.0 RT (15.4 SY)
STA 209+50.0 - STA 210+50.0 LT (14.3 SY)
STA 211+00.0 - STA 211+50.0 LT (5.7 SY)
STA 211+50.0 - STA 212+50.0 LT (16.8 SY)
STA 212+00.0 - STA 213+00.0 RT (37.8 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 213+60.0 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 209+00.0 - STA 209+50.0 RT (26.5 SY)
STA 209+50.0 - STA 210+50.0 LT (36.6 SY)
STA 211+00.0 - STA 211+50.0 LT (16.8 SY)
STA 212+00.0 - STA 213+00.0 RT (60.0 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 209+00.0 - STA 213+60.0 RT (460.0 LF)

PAVEMENT CORING DATA			
CORE #	DEPTH (IN.)	PCC	COMMENTS
5	8.25	NO	

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B117	5.0	NO	

CURVE 20
Δ = 52°21'36"
D = 3°32'52"
R = 1615.00'
T = 793.98'
L = 1475.87'
E = 184.62'
e = 0.059 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #31

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048131.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 57 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4606

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 214+50.00 - STA 220+50.00 LT & RT
STA M 1+15.00 - STA M 2+60.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 214+50.00 - STA 220+50.00	S	-	S
STA M 1+19.00 - STA M 2+60.00 DOUBLE SOLID	S	-	S
STA 217+58.88 DOUBLE SOLID LT, TH-20			

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC
646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT
646.444 DURABLE 8 INCH WHITE LINE, POLYUREA
WARREN:
STA 217+09.00 - STA 217+21.00 FIRE HYDRANT, NO PARKING ZONE, LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 214+50.00 - STA 220+50.00 LT & RT
STA M 1+15.00 - STA M 2+60.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 214+50.00 - STA 220+50.00	S	-	S
STA M 1+19.00 - STA M 2+60.00 DOUBLE SOLID	S	-	S
STA 217+58.88 DOUBLE SOLID LT, TH-20			

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 217+58.88 LT, TH-20
STA M 1+20.01, LT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 217+58.88 LT, TH-20, "S,T,O,P" (4 EA)
STA M 1+24.01, LT, "S,T,O,P" (4 EA)

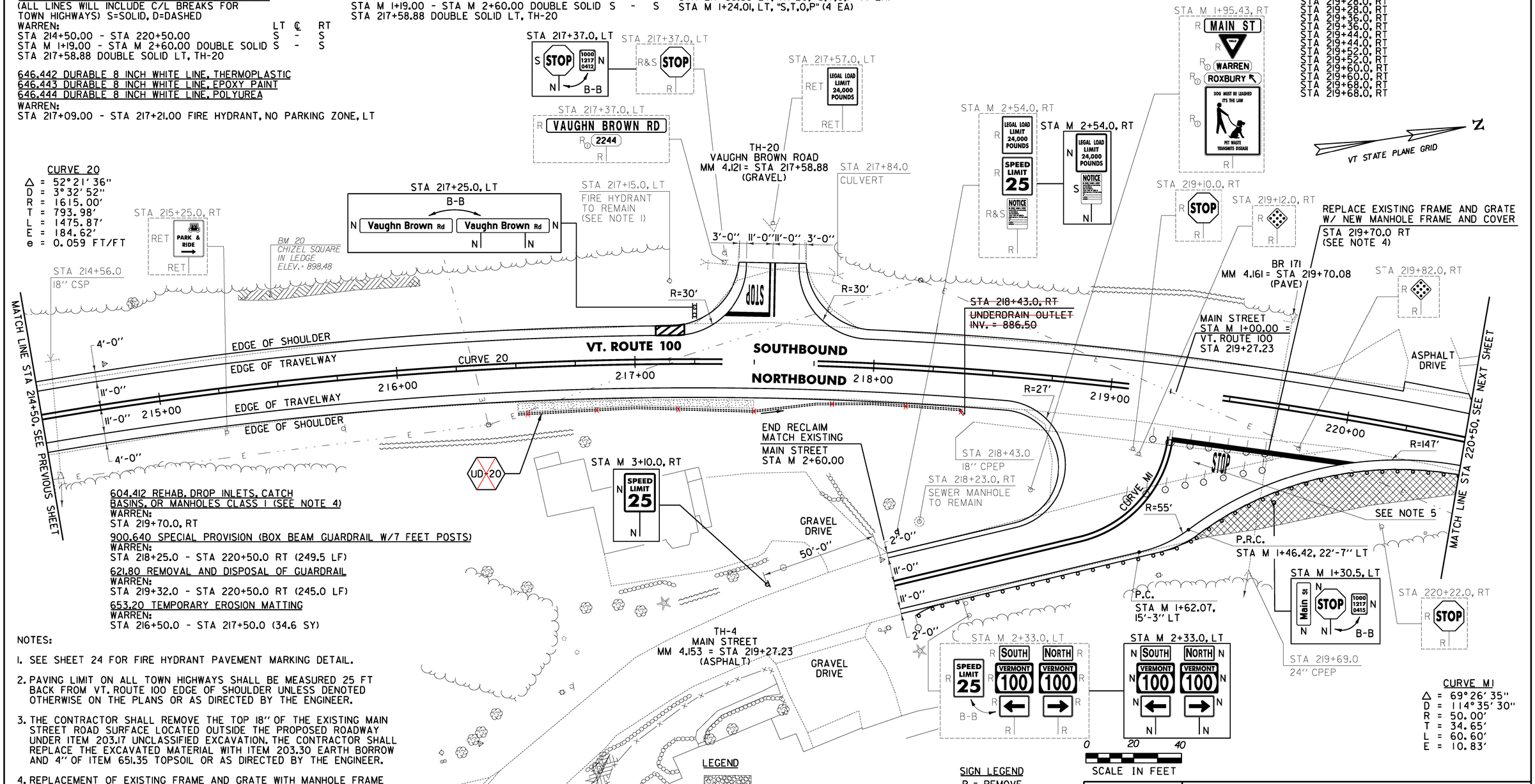
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 217+58.88 LT, TH-20
STA M 1+20.01, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 217+58.88 LT, TH-20, "S,T,O,P" (8 EA)
STA M 1+24.01, LT, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 22

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2

676.12 REMOVAL OF EXISTING DELINEATOR
WARREN:
STA 219+12.0, RT
STA 219+20.0, RT
STA 219+20.0, RT
STA 219+27.0, RT
STA 219+28.0, RT
STA 219+28.0, RT
STA 219+36.0, RT
STA 219+36.0, RT
STA 219+44.0, RT
STA 219+44.0, RT
STA 219+52.0, RT
STA 219+52.0, RT
STA 219+60.0, RT
STA 219+60.0, RT
STA 219+68.0, RT
STA 219+68.0, RT



604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES CLASS I (SEE NOTE 4)
WARREN:
STA 219+70.0, RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 218+25.0 - STA 220+50.0 RT (249.5 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 219+32.0 - STA 220+50.0 RT (245.0 LF)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 216+50.0 - STA 217+50.0 (34.6 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 218+25.0 RT

651.40 GRUBBING MATERIAL
WARREN:
STA 216+50.0 - STA 217+50.0 (34.6 SY)

NOTES:

1. SEE SHEET 24 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.
2. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL REMOVE THE TOP 18" OF THE EXISTING MAIN STREET ROAD SURFACE LOCATED OUTSIDE THE PROPOSED ROADWAY UNDER ITEM 203.17 UNCLASSIFIED EXCAVATION. THE CONTRACTOR SHALL REPLACE THE EXCAVATED MATERIAL WITH ITEM 203.30 EARTH BORROW AND 4" OF ITEM 651.35 TOPSOIL OR AS DIRECTED BY THE ENGINEER.
4. REPLACEMENT OF EXISTING FRAME AND GRATE WITH MANHOLE FRAME AND COVER SHALL BE PAID FOR UNDER THE REHABILITATION ITEM AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL FIELD VERIFY THAT THE DEPTH OF ROAD BED BENEATH THE EXISTING ISLAND IS ADEQUATE FOR RECLAIMING PRIOR TO ANY WORK BEING PERFORMED ON MAIN STREET. IF THE MATERIAL IS INADEQUATE THE CONTRACTOR SHALL EXCAVATE 18" UNDER ITEM 203.17 UNCLASSIFIED EXCAVATION AND PLACE 18" OF ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED OR AS DIRECTED BY THE ENGINEER.

LEGEND

- ITEM 613.10 STONE FILL, TYPE I
- ITEM 653.20 TEMPORARY EROSION MATTING
- EXISTING PAVEMENT TO BE REMOVED (SEE NOTE 3)

SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

CURVE M1
Δ = 69°26'35"
D = 114°35'30"
R = 50.00'
T = 34.65'
L = 60.60'
E = 10.83'

PROJECT LAYOUT SHEET #32

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048i32.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 58 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

PI STA 221+45.06 BK =
PI STA 220+32.98 AHD

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 220+50.00 - STA 225+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 220+50.00 - STA 225+50.00	S	-	S
STA 221+28.48 DOUBLE SOLID LT, TH-16			

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 221+28.48 LT, TH-16

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 221+28.48 LT, TH-16, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 220+50.00 - STA 225+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

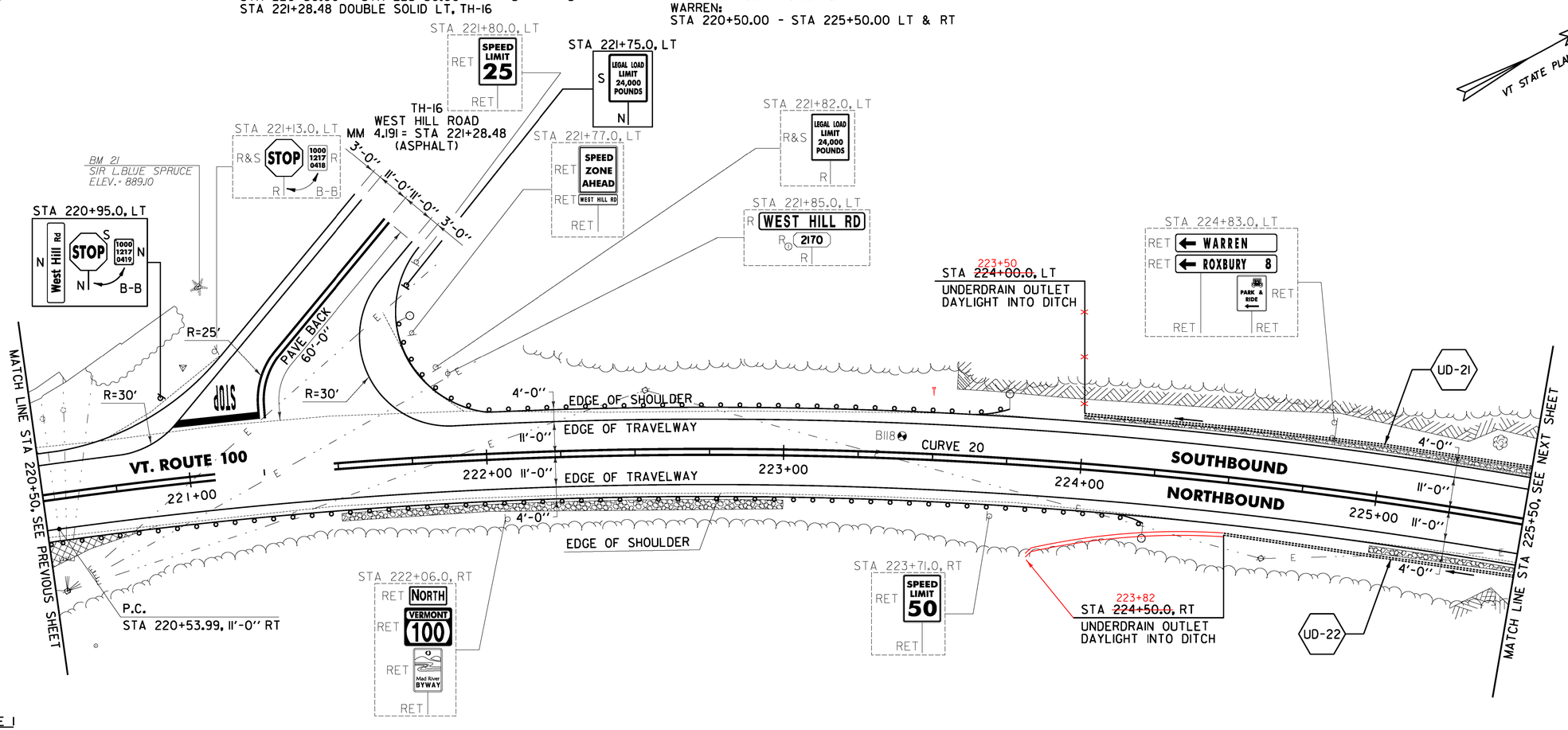
	LT	℄	RT
STA 220+50.00 - STA 225+50.00	S	-	S
STA 221+28.48 DOUBLE SOLID LT, TH-16			

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 221+28.48 LT, TH-16

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 221+28.48 LT, TH-16, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 5

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



613.10 STONE FILL, TYPE I
WARREN:
STA 221+50.0 - STA 223+00.0 RT (19.7 CY)
STA 224+00.0 - STA 225+50.0 LT (9.4 CY)
STA 225+00.0 - STA 225+50.0 RT (1.8 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 220+50.0 - STA 223+88.0 RT (338.0 LF)
STA 221+77.0 - STA 223+70.0 LT (211.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 221+50.0 - STA 223+00.0 RT (56.8 SY)
STA 224+00.0 - STA 225+50.0 LT (26.2 SY)
STA 225+00.0 - STA 225+50.0 RT (12.1 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 221+50.0 - STA 223+00.0 RT (56.8 SY)
STA 224+00.0 - STA 225+50.0 LT (26.2 SY)
STA 225+00.0 - STA 225+50.0 RT (12.1 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 221+73.0 LT
STA 223+75.0 LT
STA 224+22.5 RT

NOTE:

1. THE CONTRACTOR SHALL REMOVE THE TOP 18" OF THE EXISTING MAIN STREET ROAD SURFACE LOCATED OUTSIDE THE PROPOSED ROADWAY UNDER ITEM 203.17 UNCLASSIFIED EXCAVATION. THE CONTRACTOR SHALL REPLACE THE EXCAVATED MATERIAL WITH ITEM 203.30 EARTH BORROW AND 4" OF ITEM 651.35 TOPSOIL OR AS DIRECTED BY THE ENGINEER.

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 221+50.0 - STA 223+00.0 RT (90.1 SY)
STA 224+00.0 - STA 225+50.0 LT (59.5 SY)
STA 225+00.0 - STA 225+50.0 RT (23.2 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 220+50.0 - STA 224+22.5 RT (372.5 LF)
STA 221+73.0 - STA 223+75.0 LT (244.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B118	4.4	NO	REFUSAL AT 4.4 FT

CURVE 20
Δ = 52°21'36"
D = 3°32'52"
R = 1615.00'
T = 793.98'
L = 1475.87'
E = 184.62'
e = 0.059 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING
EXISTING PAVEMENT TO BE REMOVED (SEE NOTE 1)

PROJECT LAYOUT SHEET #33

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048133.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 59 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4966

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 225+50.00 - STA 231+00.00 LT & RT

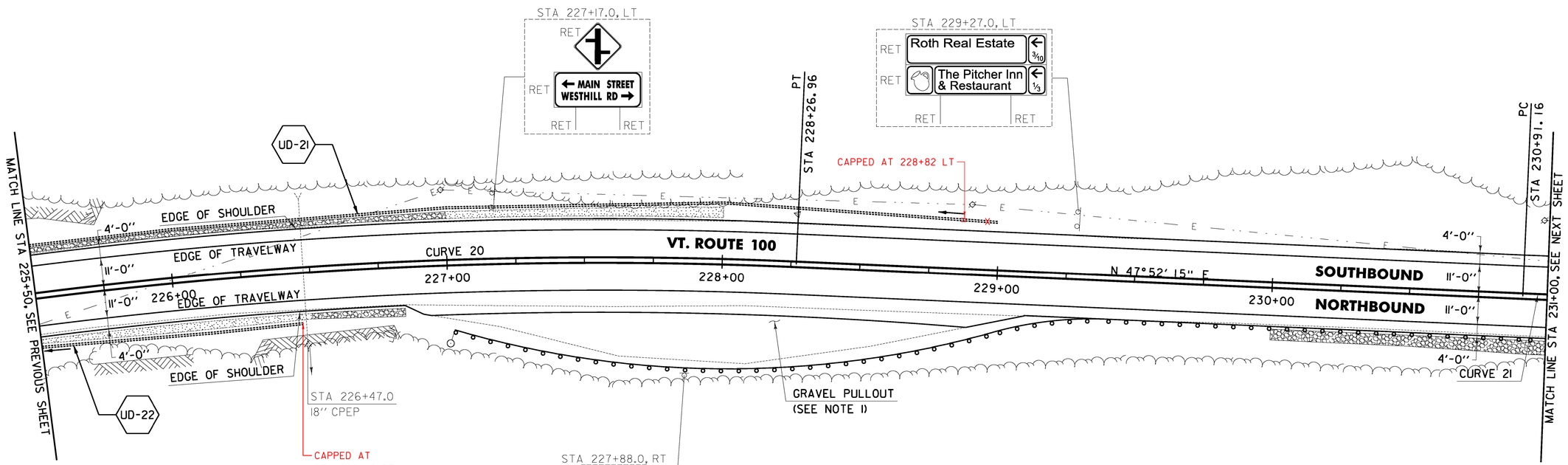
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 225+50.00 - STA 231+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 225+50.00 - STA 231+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 225+50.00 - STA 231+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 225+50.0 - STA 227+00.0 LT (70.3 SY)
STA 226+50.0 - STA 226+84.0 RT (26.8 SY)
STA 230+00.0 - STA 231+00.0 RT (78.4 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 225+50.0 - STA 227+00.0 LT (13.1 CY)
STA 226+50.0 - STA 226+84.0 RT (2.3 CY)
STA 230+00.0 - STA 231+00.0 RT (19.2 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 227+18.0 - STA 231+00.0 RT (382.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 225+50.0 - STA 226+50.0 RT (30.3 SY)
STA 225+50.0 - STA 227+00.0 LT (36.9 SY)
STA 226+50.0 - STA 226+84.0 RT (15.7 SY)
STA 227+00.0 - STA 228+00.0 LT (38.1 SY)
STA 230+00.0 - STA 231+00.0 RT (56.2 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 225+50.0 - STA 226+50.0 RT (30.3 SY)
STA 225+50.0 - STA 227+00.0 LT (36.9 SY)
STA 226+50.0 - STA 226+84.0 RT (15.7 SY)
STA 227+00.0 - STA 228+00.0 LT (38.1 SY)
STA 230+00.0 - STA 231+00.0 RT (56.2 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 227+02.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 227+02.0 - STA 231+00.0 RT (398.0 LF)

NOTE:

1. PROVIDE A 4 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT AREA. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

CURVE 20
Δ = 52°21'36"
D = 3°32'52"
R = 1615.00'
T = 793.98'
L = 1475.87'
E = 184.62'
e = 0.059 FT/FT

CURVE 21
Δ = 32°35'58"
D = 4°07'19"
R = 1390.00'
T = 406.46'
L = 790.86'
E = 58.21'
e = 0.065 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #34

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048134.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 60 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 231+00.00 - STA 236+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:
STA 231+00.00 - STA 236+50.00 LT ℄ RT S - S
STA 233+69.28 DOUBLE SOLID LT, TH-46

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 233+69.28 LT, TH-46

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 233+69.28 LT, TH-46, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 231+00.00 - STA 236+50.00 LT & RT

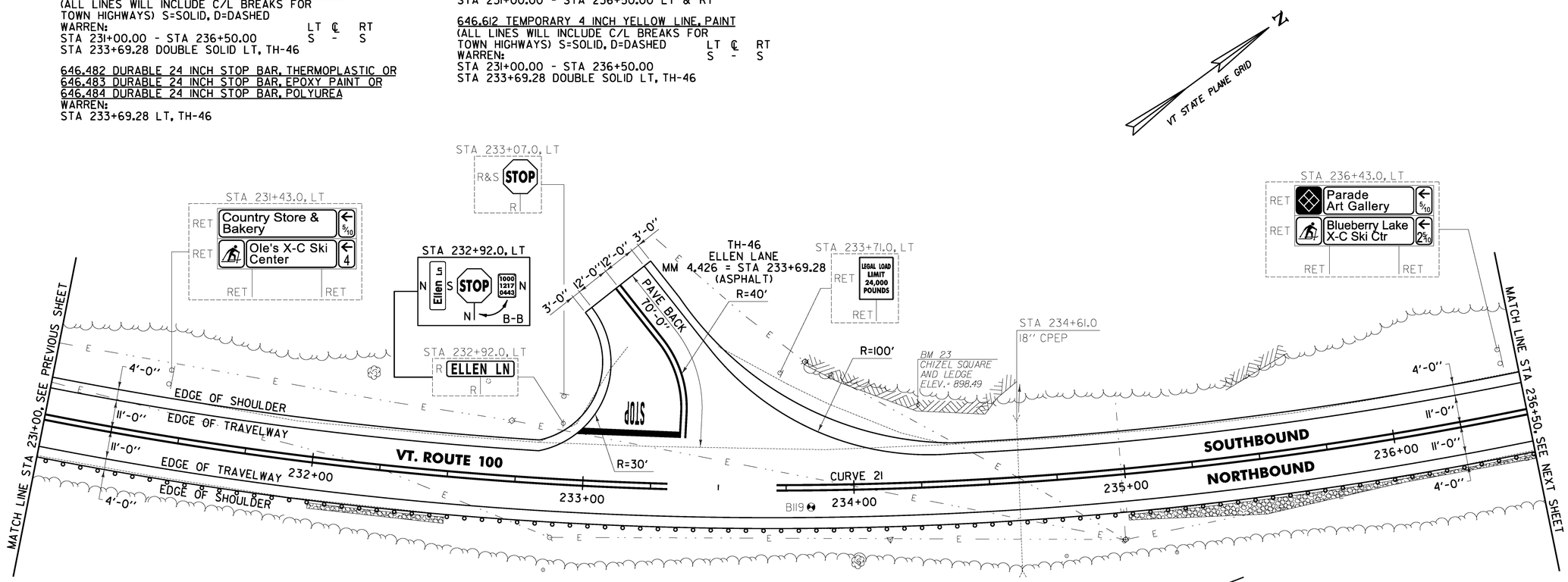
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:
STA 231+00.00 - STA 236+50.00 LT ℄ RT S - S
STA 233+69.28 DOUBLE SOLID LT, TH-46

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 233+69.28 LT, TH-46

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 233+69.28 LT, TH-46, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



PI STA 234+97.62 BK =
PI STA 234+75.57 AHD

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 232+00.0 - STA 232+50.0 RT (25.8 SY)
STA 235+00.0 - STA 236+50.0 RT (93.3 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 232+00.0 - STA 232+50.0 RT (5.1 CY)
STA 235+00.0 - STA 236+50.0 RT (20.7 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 231+00.0 - STA 236+50.0 RT (550.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 232+00.0 - STA 232+50.0 RT (14.6 SY)
STA 235+00.0 - STA 236+50.0 RT (59.9 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 232+00.0 - STA 232+50.0 RT (14.6 SY)
STA 235+00.0 - STA 236+50.0 RT (59.9 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 231+00.0 - STA 236+50.0 RT (550.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B119	5.0	NO	

CURVE 21
△ = 32°35'58"
D = 4°07'19"
R = 1390.00'
T = 406.46'
L = 790.86'
E = 58.21'
e = 0.065 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #35

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048135.1
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 61 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4986

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 236+50.00 - STA 242+00.00 LT & RT

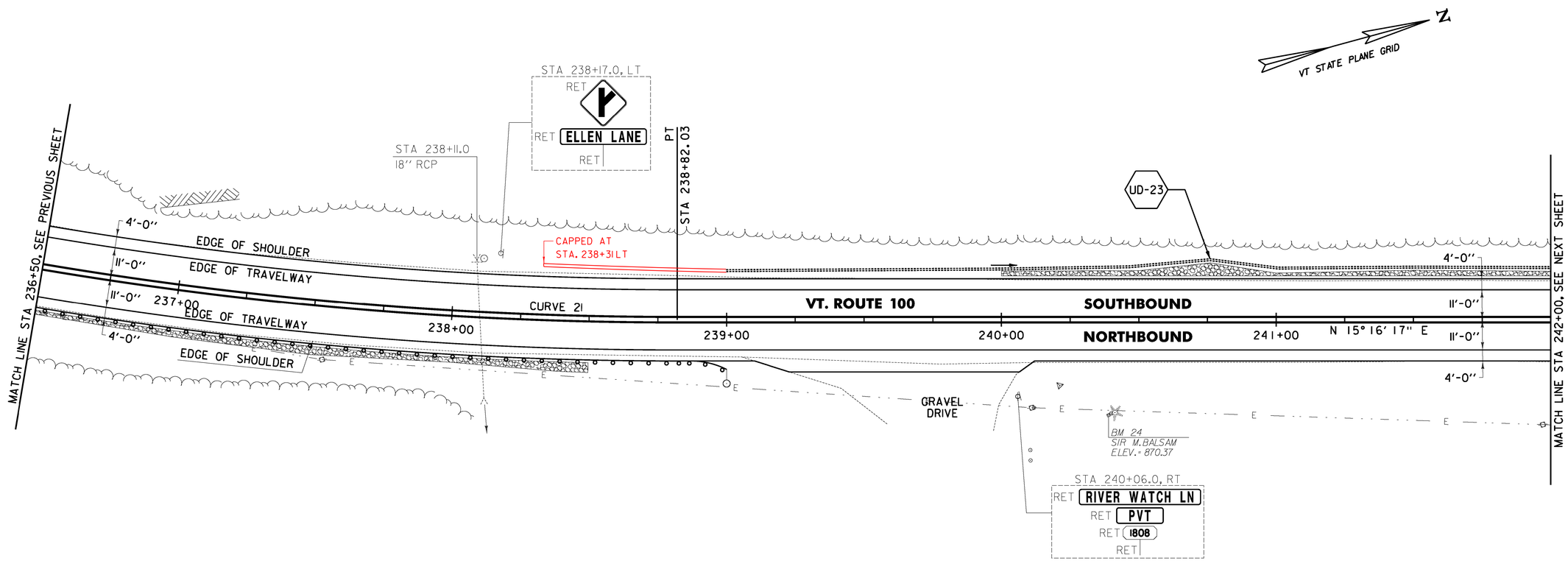
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 236+50.00 - STA 242+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 236+50.00 - STA 242+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 236+50.00 - STA 242+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 236+50.0 - STA 238+50.0 RT (114.5 SY)
STA 240+00.0 - STA 242+00.0 LT (91.7 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 236+50.0 - STA 238+50.0 RT (24.3 CY)
STA 240+00.0 - STA 242+00.0 LT (16.7 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 236+50.0 - STA 238+95.0 RT (245.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 236+50.0 - STA 238+50.0 RT (70.1 SY)
STA 240+00.0 - STA 242+00.0 LT (47.3 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 236+50.0 - STA 238+50.0 RT (70.1 SY)
STA 240+00.0 - STA 242+00.0 LT (47.3 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 239+00.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 236+50.0 - STA 239+00.0 RT (250.0 LF)

CURVE 21
Δ = 32° 35' 58"
D = 4° 07' 19"
R = 1390.00'
T = 406.46'
L = 790.86'
E = 58.21'
e = 0.065 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #36

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048136.i	SHEET 62 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 242+00.00 - STA 247+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

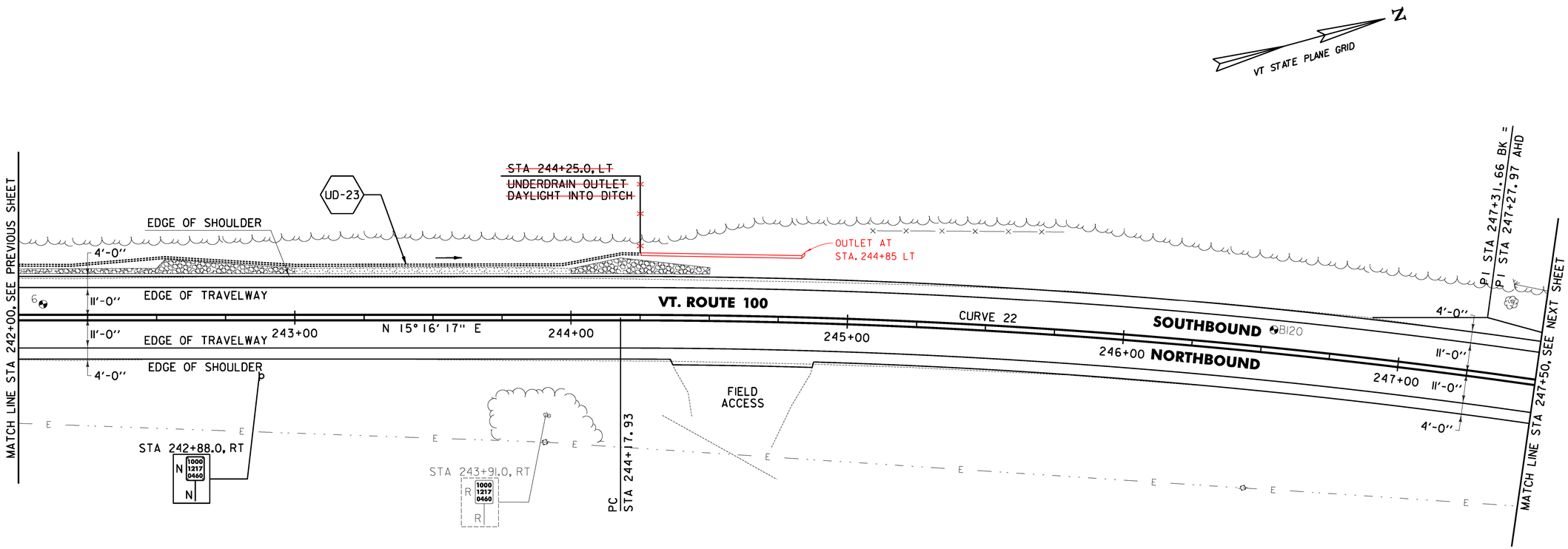
	LT	℄	RT
STA 242+00.00 - STA 247+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 242+00.00 - STA 247+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 242+00.00 - STA 247+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



PAVEMENT CORING DATA			
CORE #	DEPTH (IN.)	PCC	COMMENTS
6	7.0	NO	

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B120	5.0	NO	

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 242+00.0 - STA 243+00.0 LT (48.5 SY)
STA 244+00.0 - STA 244+50.0 RT (24.8 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 242+00.0 - STA 243+00.0 LT (9.3 CY)
STA 244+00.0 - STA 244+50.0 LT (2.2 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 242+00.0 - STA 243+00.0 LT (26.3 SY)
STA 243+00.0 - STA 244+00.0 LT (27.7 SY)
STA 244+00.0 - STA 244+50.0 LT (13.7 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 242+00.0 - STA 243+00.0 LT (26.3 SY)
STA 243+00.0 - STA 244+00.0 LT (27.7 SY)
STA 244+00.0 - STA 244+50.0 LT (13.7 SY)

CURVE 22
Δ = 15° 12' 29"
D = 2° 26' 17"
R = 2350.00'
T = 313.73'
L = 623.76'
E = 20.85'
e = 0.046 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #37

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048l37.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 63 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 247+50.00 - STA 253+00.00 LT & RT

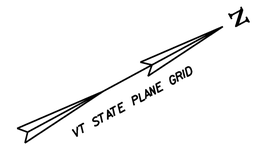
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

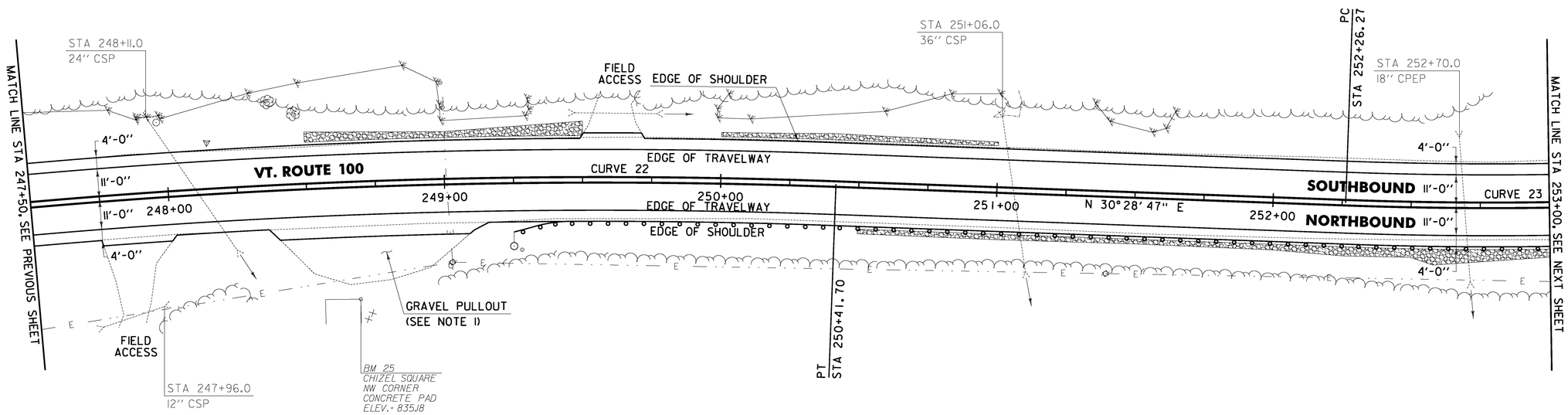
WARREN:	LT	℄	RT
STA 247+50.00 - STA 253+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 247+50.00 - STA 253+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 247+50.00 - STA 253+00.00	S	-	S





NOTE:

1. PROVIDE A 4 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT AREA. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1.

613.10 STONE FILL, TYPE I
WARREN:
STA 248+50.0 - STA 249+50.0 LT (5.0 CY)
STA 250+00.0 - STA 251+00.0 LT (8.9 CY)
STA 250+50.0 - STA 253+00.0 RT (28.0 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 249+40.0 - STA 253+00.0 RT (360.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 248+50.0 - STA 249+50.0 LT (40.6 SY)
STA 250+00.0 - STA 251+00.0 LT (25.3 SY)
STA 250+50.0 - STA 253+00.0 RT (80.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 248+50.0 - STA 249+50.0 LT (40.6 SY)
STA 250+00.0 - STA 251+00.0 LT (25.3 SY)
STA 250+50.0 - STA 253+00.0 RT (80.4 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 249+25.0 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 248+50.0 - STA 249+50.0 LT (62.8 SY)
STA 250+00.0 - STA 251+00.0 LT (47.5 SY)
STA 250+50.0 - STA 253+00.0 RT (136.0 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 249+25.0 - STA 253+00.0 RT (375.0 LF)

CURVE 22	CURVE 23
Δ = 15°12'29"	Δ = 14°07'25"
D = 2°26'17"	D = 3°57'05"
R = 2350.00'	R = 1450.00'
T = 313.73'	T = 179.63'
L = 623.76'	L = 357.43'
E = 20.85'	E = 11.08'
e = 0.046 FT/FT	e = 0.063 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #38

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048i38.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 64 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Correct Plan.dgn
DATE/TIME = 12/20/2012
USER = 4686

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 253+00.00 - STA 258+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

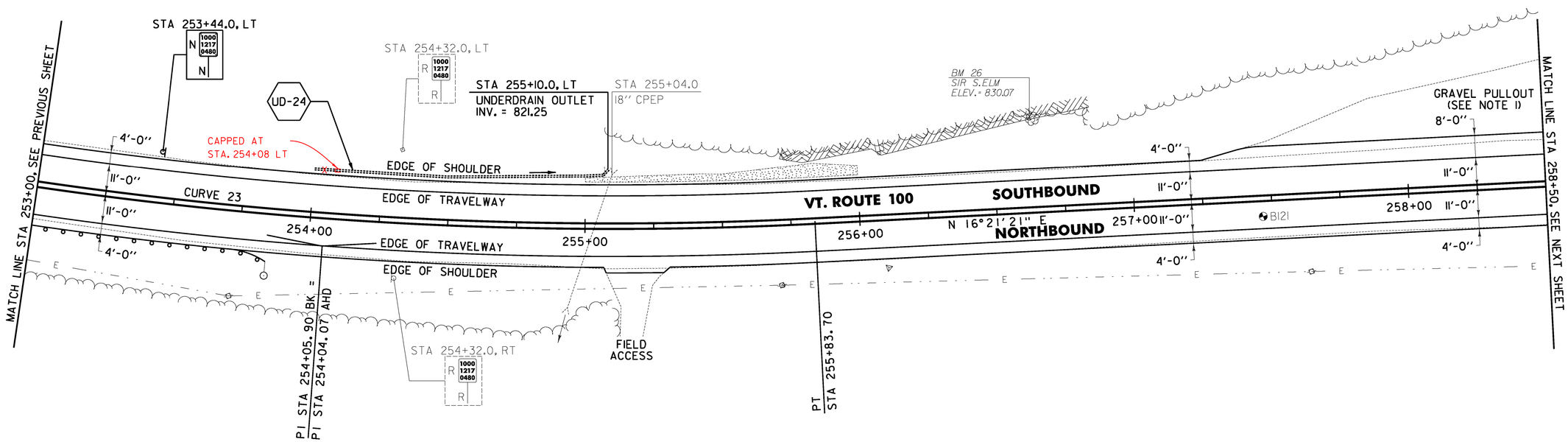
	LT	℄	RT
STA 253+00.00 - STA 258+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 253+00.00 - STA 258+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 253+00.00 - STA 258+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 2



NOTE:

1. PROVIDE A 4 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT AREA. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1.

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 253+00.0 - STA 253+71.0 RT (71.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 255+00.0 - STA 256+00.0 LT (29.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 255+00.0 - STA 256+00.0 LT (29.4 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 253+85.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 253+00.0 - STA 253+85.0 RT (85.0 LF)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B121	5.0	NO	

CURVE 23
Δ = 14°07'25"
D = 3°57'05"
R = 1450.00'
T = 179.63'
L = 357.43'
E = 11.08'
e = 0.063 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE 1
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #39

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048139.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 65 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 258+50.00 - STA 264+00.00 LT & RT

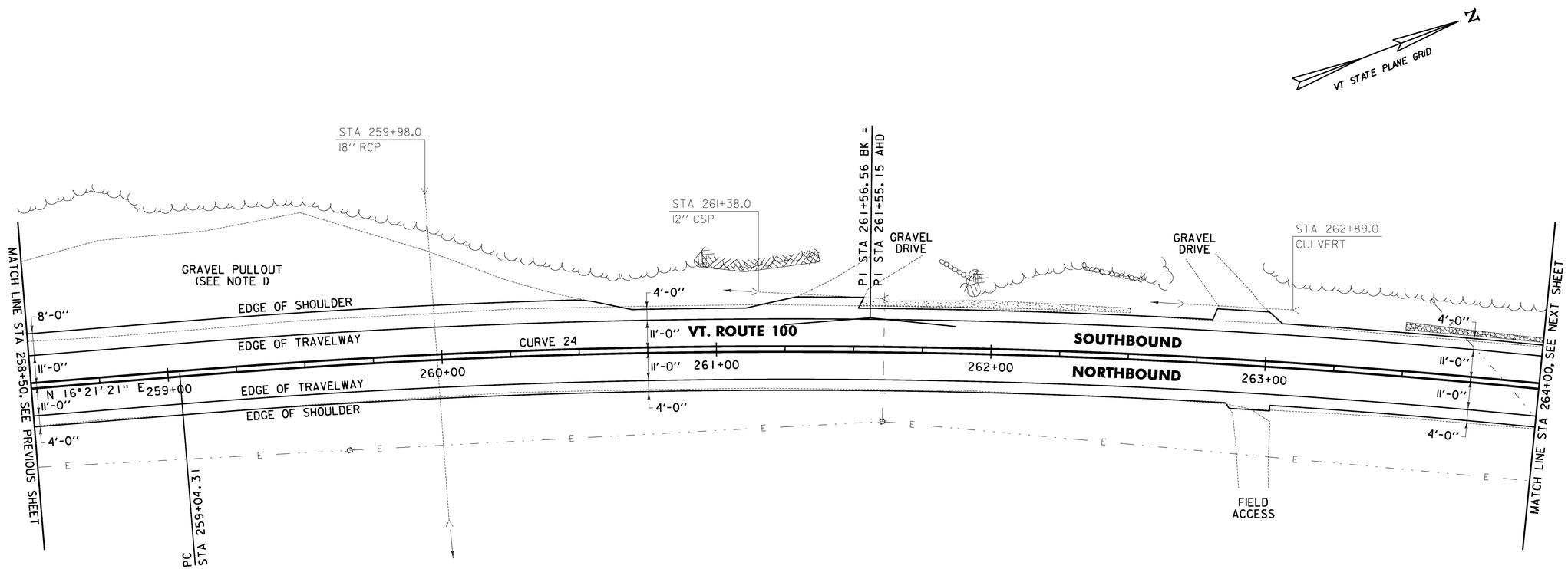
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 258+50.00 - STA 264+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 258+50.00 - STA 264+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 258+50.00 - STA 264+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 263+50.0 - STA 264+00.0 LT (26.6 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 263+50.0 - STA 264+00.0, LT (5.4 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 261+52.0 - STA 262+50.0 LT (25.9 SY)
STA 263+50.0 - STA 264+00.0, LT (15.5 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 261+52.0 - STA 262+50.0 LT (25.9 SY)
STA 263+50.0 - STA 264+00.0, LT (15.5 SY)

NOTE:

1. PROVIDE A 4 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT AREA. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1.

CURVE 24

Δ =	10°28'55"
D =	2°05'01"
R =	2750.00'
T =	252.25'
L =	503.09'
E =	11.54'
e =	0.040 FT/FT

SIGN LEGEND

R =	REMOVE
S =	SALVAGE
N =	NEW
RET =	RETAIN
B-B =	BACK TO BACK
EXISTING =	----------
NEW =	————
① =	RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #40

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048i40.i	SHEET 66 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 264+00.00 - STA 269+50.00 LT & RT

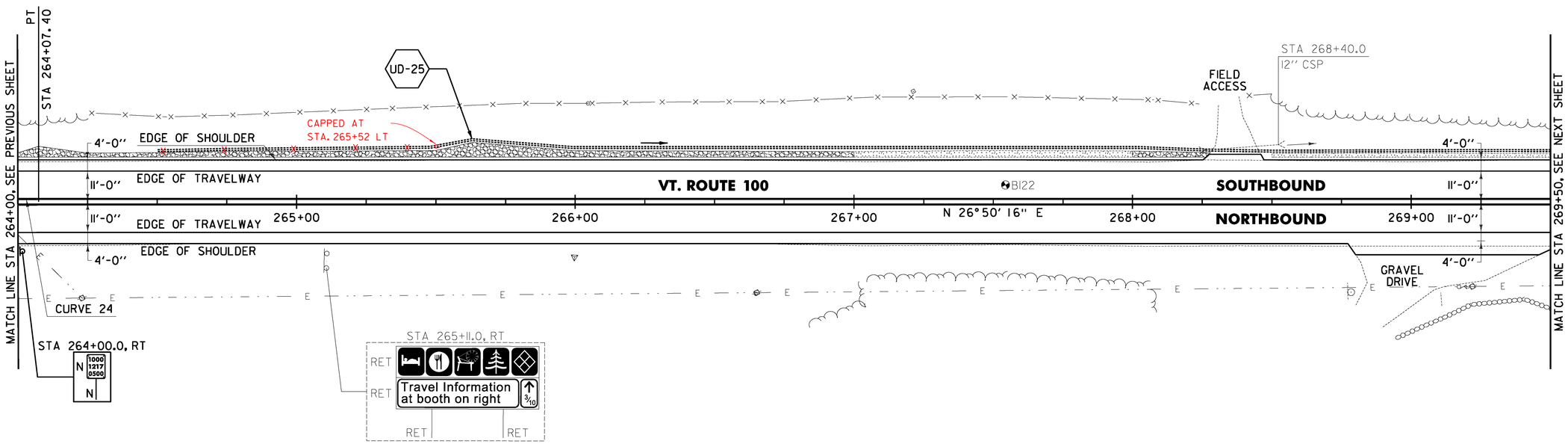
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 264+00.00 - STA 269+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 264+00.00 - STA 269+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 264+00.00 - STA 269+50.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 264+00.0 - STA 267+00.0 LT (154.8 SY)
STA 268+00.0 - STA 268+25.0 LT (21.9 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 264+00.0 - STA 267+00.0 LT (30.8 CY)
STA 268+00.0 - STA 268+25.0 LT (2.5 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 264+00.0 - STA 267+00.0 LT (88.1 SY)
STA 267+00.0 - STA 268+00.0 LT (29.6 SY)
STA 268+00.0 - STA 268+25.0 LT (10.8 SY)
STA 268+50.0 - STA 269+50.0 LT (17.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 264+00.0 - STA 267+00.0 LT (88.1 SY)
STA 267+00.0 - STA 268+00.0 LT (29.6 SY)
STA 268+00.0 - STA 268+25.0 LT (10.8 SY)
STA 268+50.0 - STA 269+50.0 LT (17.4 SY)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B122	5.0	NO	

CURVE 24
Δ = 10°28' 55"
D = 2°05' 01"
R = 2750.00'
T = 252.25'
L = 503.09'
E = 11.54'
e = 0.040 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ———
① = RETURN TO THE TOWN OF WARREN

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #41

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048141.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 67 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 269+50.00 - STA 275+00.00 LT & RT

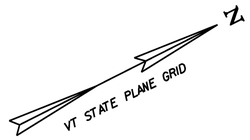
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

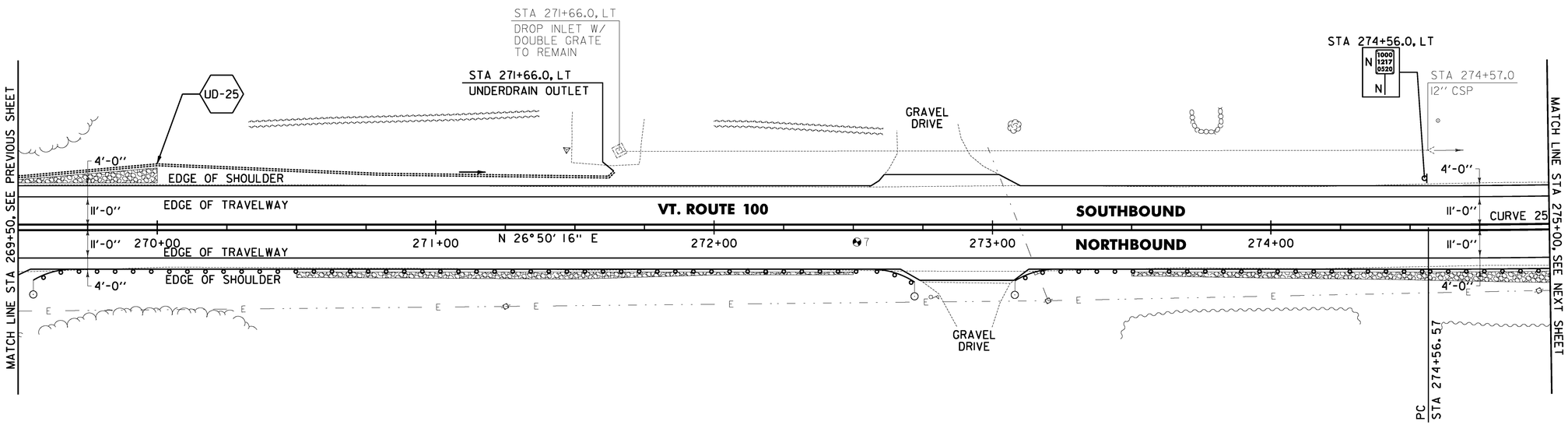
	LT	℄	RT
STA 269+50.00 - STA 275+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 269+50.00 - STA 275+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 269+50.00 - STA 275+00.00	S	-	S





613.10 STONE FILL, TYPE I
WARREN:
STA 269+50.0 - STA 270+00.0 LT (1.5 CY)
STA 270+50.0 - STA 272+50.0 RT (17.8 CY)
STA 273+50.0 - STA 275+00.0 RT (21.0 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 269+60.0 - STA 270+68.0 RT (108.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 269+50.0 - STA 270+00.0 LT (20.9 SY)
STA 270+50.0 - STA 272+50.0 RT (50.5 SY)
STA 273+50.0 - STA 275+00.0 RT (61.0 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 269+50.0 - STA 270+00.0 LT (20.9 SY)
STA 270+50.0 - STA 272+50.0 RT (50.5 SY)
STA 273+50.0 - STA 275+00.0 RT (61.0 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 269+56.0 RT
STA 272+72.0 RT
STA 273+06.0 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 269+50.0 - STA 270+00.0 LT (32.0 SY)
STA 270+50.0 - STA 272+50.0 RT (95.0 SY)
STA 273+50.0 - STA 275+00.0 RT (94.4 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 269+56.0 - STA 272+72.0 RT (316.0 LF)
STA 273+06.0 - STA 275+00.0 RT (194.0 LF)

PAVEMENT CORING DATA

CORE #	DEPTH (IN.)	PCC	COMMENTS
7	8.0	NO	

CURVE 25
Δ = 10°08'31"
D = 1°54'35"
R = 3000.00'
T = 266.21'
L = 531.03'
E = 11.79'
e = 0.037 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #42

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048142.i	SHEET 68 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4806

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 275+00.00 - STA 280+50.00 LT & RT

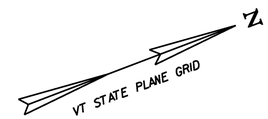
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

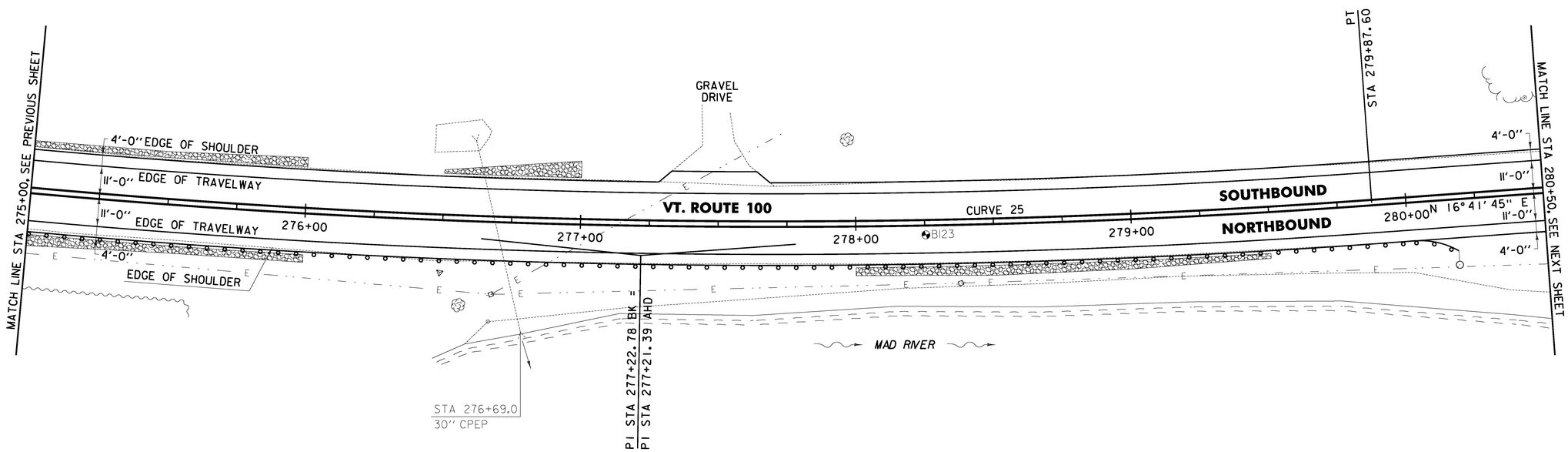
WARREN:	LT	℄	RT
STA 275+00.00 - STA 280+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 275+00.00 - STA 280+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 275+00.00 - STA 280+50.00	S	-	S





613.10 STONE FILL, TYPE I
WARREN:
STA 275+00.0 - STA 276+00.0 RT (15.8 CY)
STA 275+00.0 - STA 276+00.0 LT (5.1CY)
STA 276+50.0 - STA 277+00.0 LT (9.9 CY)
STA 278+00.0 - STA 279+50.0 RT (20.8 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 275+00.0 - STA 276+00.0 RT (46.0 SY)
STA 275+00.0 - STA 276+00.0 LT (31.5 SY)
STA 276+50.0 - STA 277+00.0 LT (28.9 SY)
STA 278+00.0 - STA 279+50.0 RT (60.3 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 275+00.0 - STA 276+00.0 RT (46.0 SY)
STA 275+00.0 - STA 276+00.0 LT (31.5 SY)
STA 276+50.0 - STA 277+00.0 LT (28.9 SY)
STA 278+00.0 - STA 279+50.0 RT (60.3 SY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 276+65.0 - STA 280+02.0 RT (337.0 LF)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 280+18.0 RT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 275+00.0 - STA 276+00.0 RT (68.3 SY)
STA 275+00.0 - STA 276+00.0 LT (53.7 SY)
STA 276+50.0 - STA 277+00.0 LT (40.0 SY)
STA 278+00.0 - STA 279+50.0 RT (93.6 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WARREN:
STA 275+00.0 - STA 280+18.0 RT (518.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B123	5.0	NO	

CURVE 25
Δ = 10° 08' 31"
D = 1° 54' 35"
R = 3000.00'
T = 266.21'
L = 531.03'
E = 11.79'
e = 0.037 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #43

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048143.1	SHEET 69 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 280+50.00 - STA 286+00.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 280+50.00 - STA 286+00.00	S	-	S

STA 283+48.32 DOUBLE SOLID LT, TH-45

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 283+48.32 LT, TH-45

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
WARREN:
STA 283+48.32 LT, TH-45, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 280+50.00 - STA 286+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 280+50.00 - STA 286+00.00	S	-	S

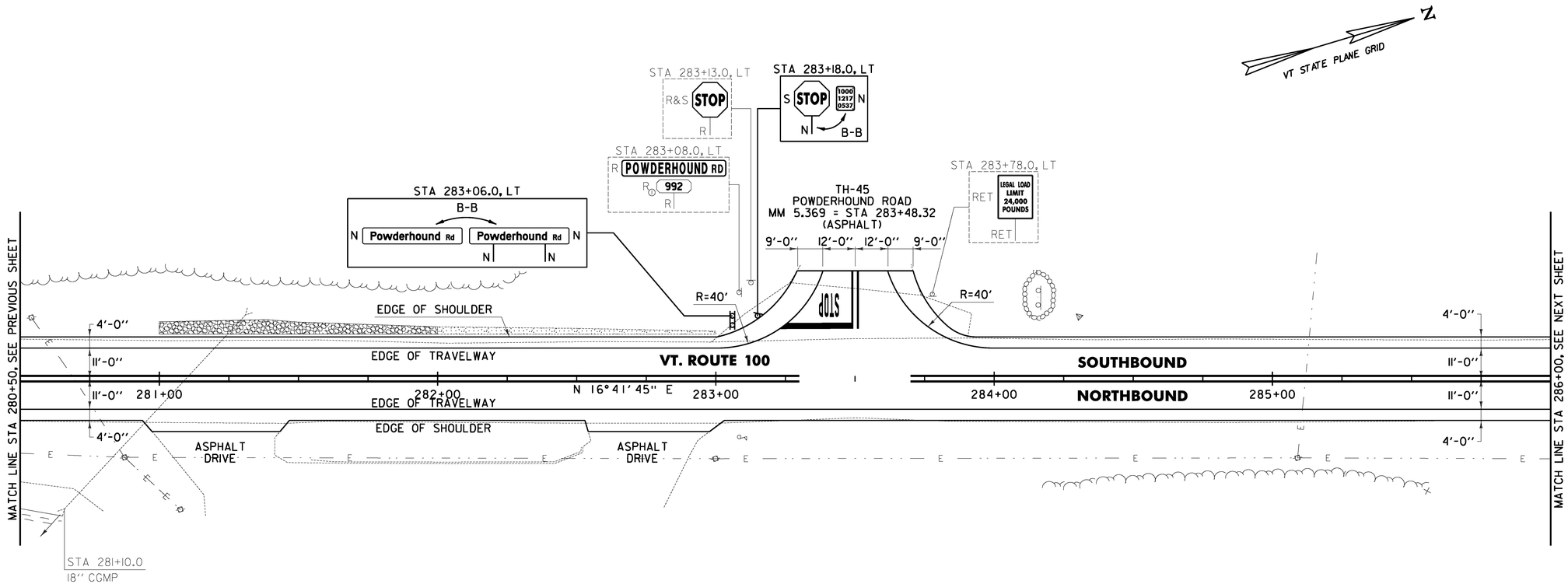
STA 283+48.32 DOUBLE SOLID LT, TH-45

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 283+48.32 LT, TH-45

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 283+48.32 LT, TH-45, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 281+00.0 - STA 282+00.0 LT (74.9 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 281+00.0 - STA 282+00.0 LT (18.1 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 281+00.0 - STA 282+00.0 LT (52.7 SY)
STA 282+00.0 - STA 283+00.0 LT (25.5 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 281+00.0 - STA 282+00.0 LT (52.7 SY)
STA 282+00.0 - STA 283+00.0 LT (25.5 SY)

LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

PROJECT LAYOUT SHEET #44

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048144.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 70 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 286+00.00 - STA 291+50.00 LT & RT

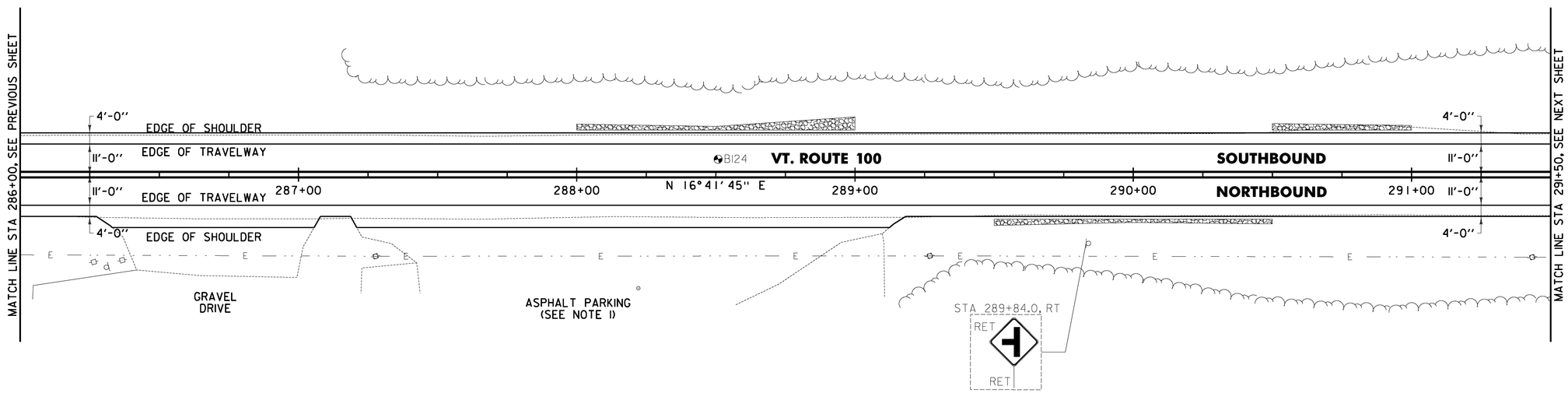
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 286+00.00 - STA 291+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 286+00.00 - STA 291+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 286+00.00 - STA 291+50.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 288+00.0 - STA 289+00.0 LT (51.3 SY)
STA 289+50.0 - STA 290+50.0 RT (42.4 SY)
STA 290+50.0 - STA 291+00.0 LT (24.5 SY)

613.10 STONE FILL, TYPE I
WARREN:
STA 288+00.0 - STA 289+00.0 LT (3.2 CY)
STA 289+50.0 - STA 290+50.0 RT (2.9 CY)
STA 290+50.0 - STA 291+00.0 LT (4.7 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 288+00.0 - STA 289+00.0 LT (29.1 SY)
STA 289+50.0 - STA 290+50.0 RT (20.2 SY)
STA 290+50.0 - STA 291+00.0 LT (13.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 288+00.0 - STA 289+00.0 LT (29.1 SY)
STA 289+50.0 - STA 290+50.0 RT (20.2 SY)
STA 290+50.0 - STA 291+00.0 LT (13.4 SY)

NOTE:

1. PROVIDE A 4 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING ASPHALT PARKING AREA. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B124	5.0	NO	

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ----------
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #45

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048145.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 71 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 291+50.00 - STA 297+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT ℄	RT
STA 291+50.00 - STA 297+50.00	S -	S

STA 295+31.04 DOUBLE SOLID LT, TH-45
STA 296+89.44 DOUBLE SOLID LT, TH-5

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 291+50.00 - STA 297+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT ℄	RT
STA 291+50.00 - STA 297+50.00	S -	S

STA 295+31.04 DOUBLE SOLID LT, TH-45
STA 296+89.44 DOUBLE SOLID LT, TH-5

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WARREN:
STA 295+31.04 LT, TH-45
STA 296+89.44 LT, TH-5

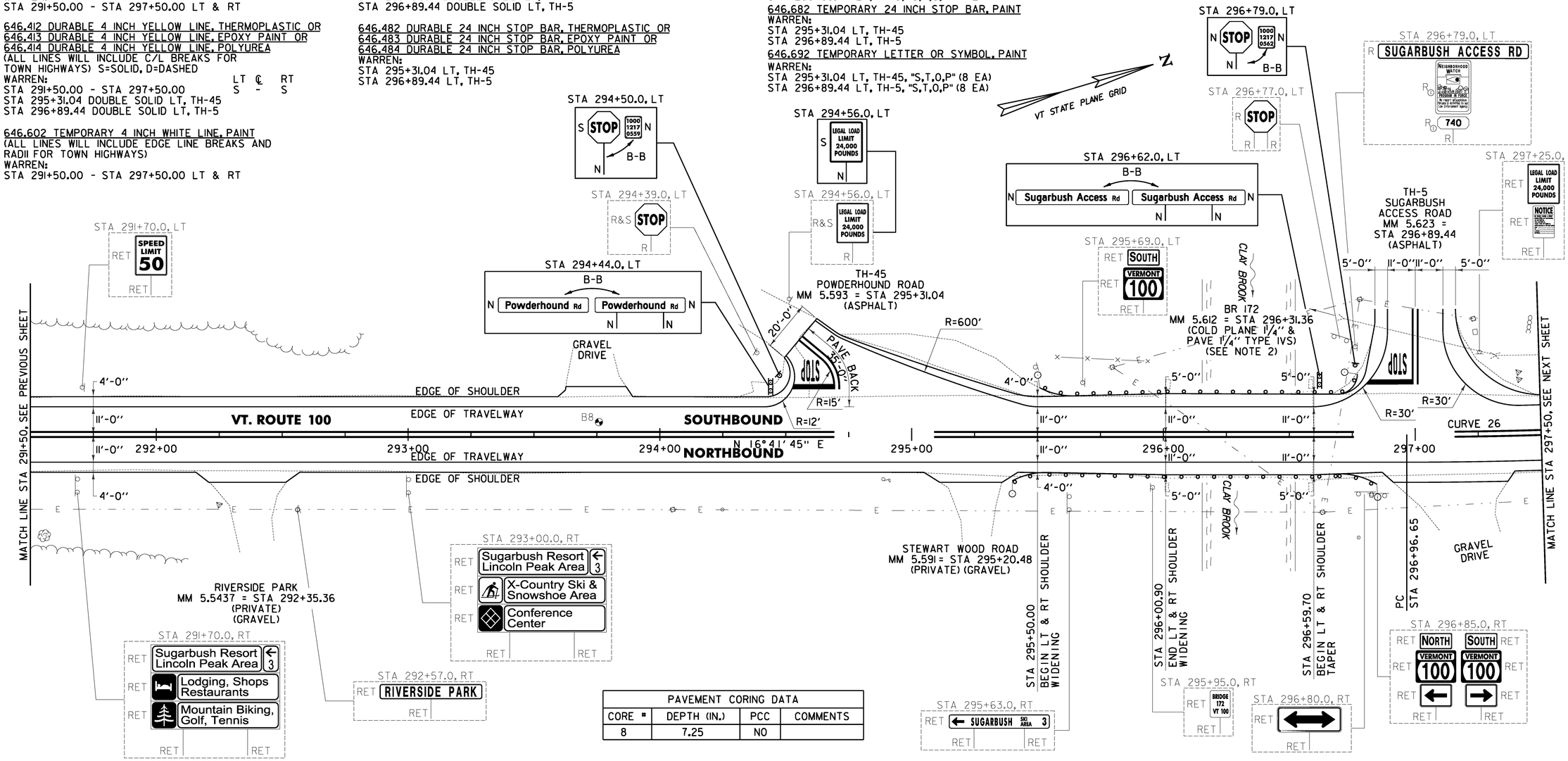
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WARREN:
STA 295+31.04 LT, TH-45, "S,T,O,P" (4 EA)
STA 296+89.44 LT, TH-5, "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WARREN:
STA 295+31.04 LT, TH-45
STA 296+89.44 LT, TH-5

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WARREN:
STA 295+31.04 LT, TH-45, "S,T,O,P" (8 EA)
STA 296+89.44 LT, TH-5, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 6

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



PAVEMENT CORING DATA			
CORE #	DEPTH (IN.)	PCC	COMMENTS
8	7.25	NO	

621.70 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I
WARREN:
STA 295+51.0 - STA 296+01.0 RT

621.71 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II
WARREN:
STA 295+88.5 - STA 296+01.0 LT
STA 296+60.0 - STA 296+72.5 RT
STA 296+60.0 - STA 296+72.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 295+40.0 - STA 296+01.0 RT (61.0 LF)
STA 295+51.0 - STA 296+01.0 LT (50.0 LF)
STA 296+60.0 - STA 296+87.0 RT (27.0 LF)
STA 296+60.0 - STA 296+84.0 LT (27.0 LF)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 295+36.5 RT
STA 295+49.0 LT
STA 296+87.0 RT
STA 296+84.0 LT

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
WARREN:
STA 295+36.5 - STA 295+51.0 RT (14.5 LF)
STA 295+49.0 - STA 295+88.5 LT (39.5 LF)
STA 296+72.5 - STA 296+87.0 RT (14.5 LF)
STA 296+72.5 - STA 296+84.0 LT (14.5 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
WARREN:
STA 295+43.0 RT
STA 295+55.5 LT
STA 296+77.5 LT
STA 296+80.5 RT

NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

2. SEE SHEET 308 FOR BR 172 DETAILS.

CURVE 26

Δ =	16° 06' 52"
D =	3° 10' 59"
R =	1800.00'
T =	254.81'
L =	506.25'
E =	17.95'
e =	0.055 FT/FT

SIGN LEGEND

R =	REMOVE
S =	SALVAGE
N =	NEW
RET =	RETAIN
B-B =	BACK TO BACK
EXISTING =	----------
NEW =	————
① =	RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #46

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048146.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 72 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 297+50.00 - STA 302+50.00 LT & RT

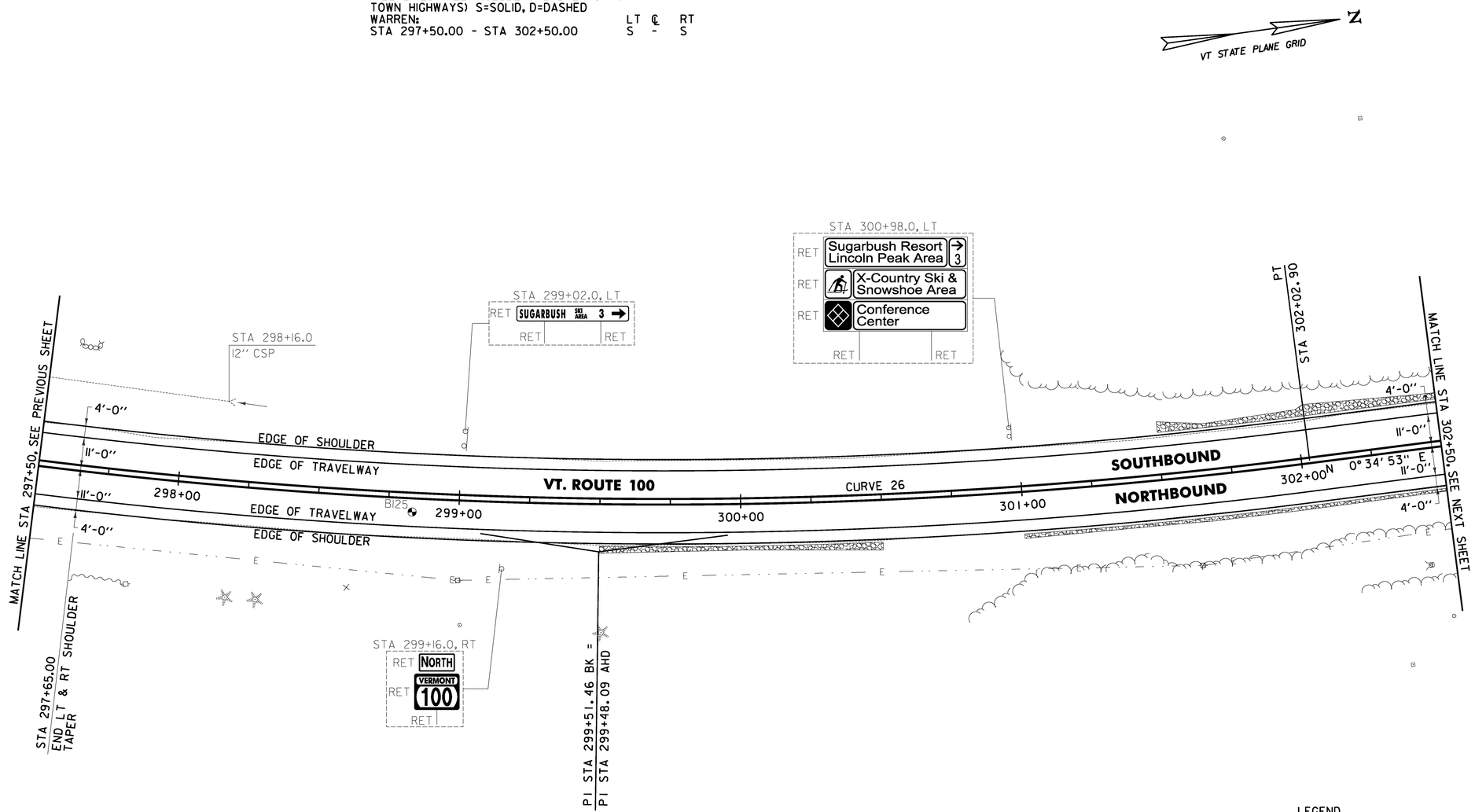
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 297+50.00 - STA 302+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 297+50.00 - STA 302+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 297+50.00 - STA 302+50.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 299+50.0 - STA 300+50.0 RT (3.4 CY)
STA 301+00.0 - STA 302+50.0 RT (9.9 CY)
STA 301+50.0 - STA 302+50.0 LT (12.8 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 299+50.0 - STA 300+50.0 RT (25.7 SY)
STA 301+00.0 - STA 302+50.0 RT (27.7 SY)
STA 301+50.0 - STA 302+50.0 LT (37.1 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 299+50.0 - STA 300+50.0 RT (25.7 SY)
STA 301+00.0 - STA 302+50.0 RT (27.7 SY)
STA 301+50.0 - STA 302+50.0 LT (37.1 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 299+50.0 - STA 300+50.0 RT (47.9 SY)
STA 301+00.0 - STA 302+50.0 RT (61.0 SY)
STA 301+50.0 - STA 302+50.0 LT (59.3 SY)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B125	5.0	NO	

CURVE 26
Δ = 16° 06' 52"
D = 3° 10' 59"
R = 1800.00'
T = 254.81'
L = 506.25'
E = 17.95'
e = 0.055 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #47

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048147.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 73 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plan.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 302+50.00 - STA 307+16.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

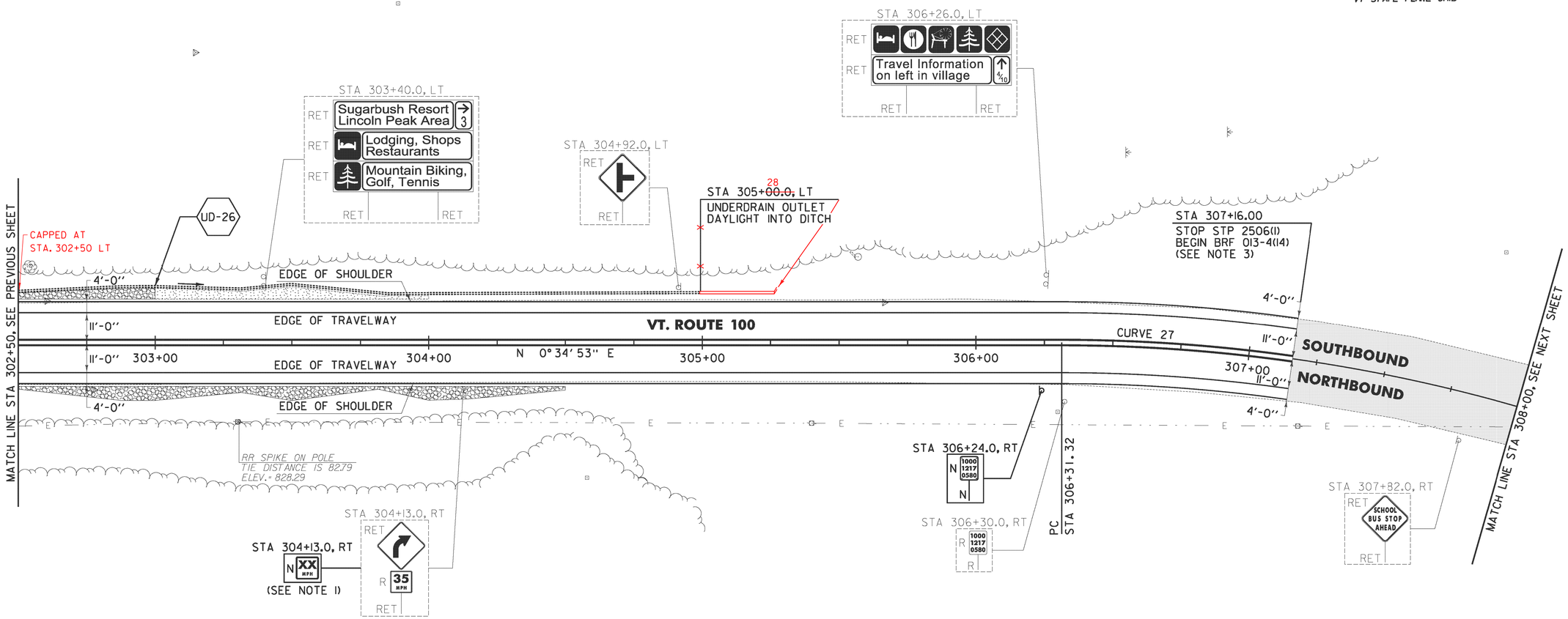
	LT	℄	RT
STA 302+50.00 - STA 307+16.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 302+50.00 - STA 307+16.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 302+50.00 - STA 307+16.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 2



NOTES:

1. THE ADVISORY SPEED SHALL BE DETERMINED USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.
2. APPROXIMATE WETLAND LOCATION FROM STA 306+00 TO STA 308+00 LT.
3. ADJUSTMENTS TO THE HORIZONTAL AND VERTICAL ALIGNMENTS ALONG WITH SUPERELEVATION MAY BE NECESSARY TO TIE INTO PROJECT BRF 013-4(14) AS DIRECTED BY THE ENGINEER.

LEGEND

- ITEM 613.10 STONE FILL, TYPE I
- ITEM 653.20 TEMPORARY EROSION MATTING
- NO PAVING WORK TO BE PERFORMED IN THIS AREA UNDER STP 2506(1)

0 20 40
SCALE IN FEET

613.10 STONE FILL, TYPE I
WARREN:
STA 302+50.0 - STA 303+00.0 LT (7.2 CY)
STA 302+50.0 - STA 304+50.0 RT (38.3 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 302+50.0 - STA 303+00.0 LT (20.8 SY)
STA 302+50.0 - STA 304+50.0 RT (112.1 SY)
STA 303+00.0 - STA 304+00.0 LT (45.7 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 302+50.0 - STA 303+00.0 LT (20.8 SY)
STA 302+50.0 - STA 304+50.0 RT (112.1 SY)
STA 303+00.0 - STA 304+00.0 LT (45.7 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 302+50.0 - STA 303+00.0 LT (31.9 SY)
STA 302+50.0 - STA 304+50.0 RT (156.5 SY)

CURVE 27
Δ = 50°48'11"
D = 9°28'13"
R = 605.00'
T = 287.29'
L = 536.44'
E = 64.75'
e = 0.080 FT/FT

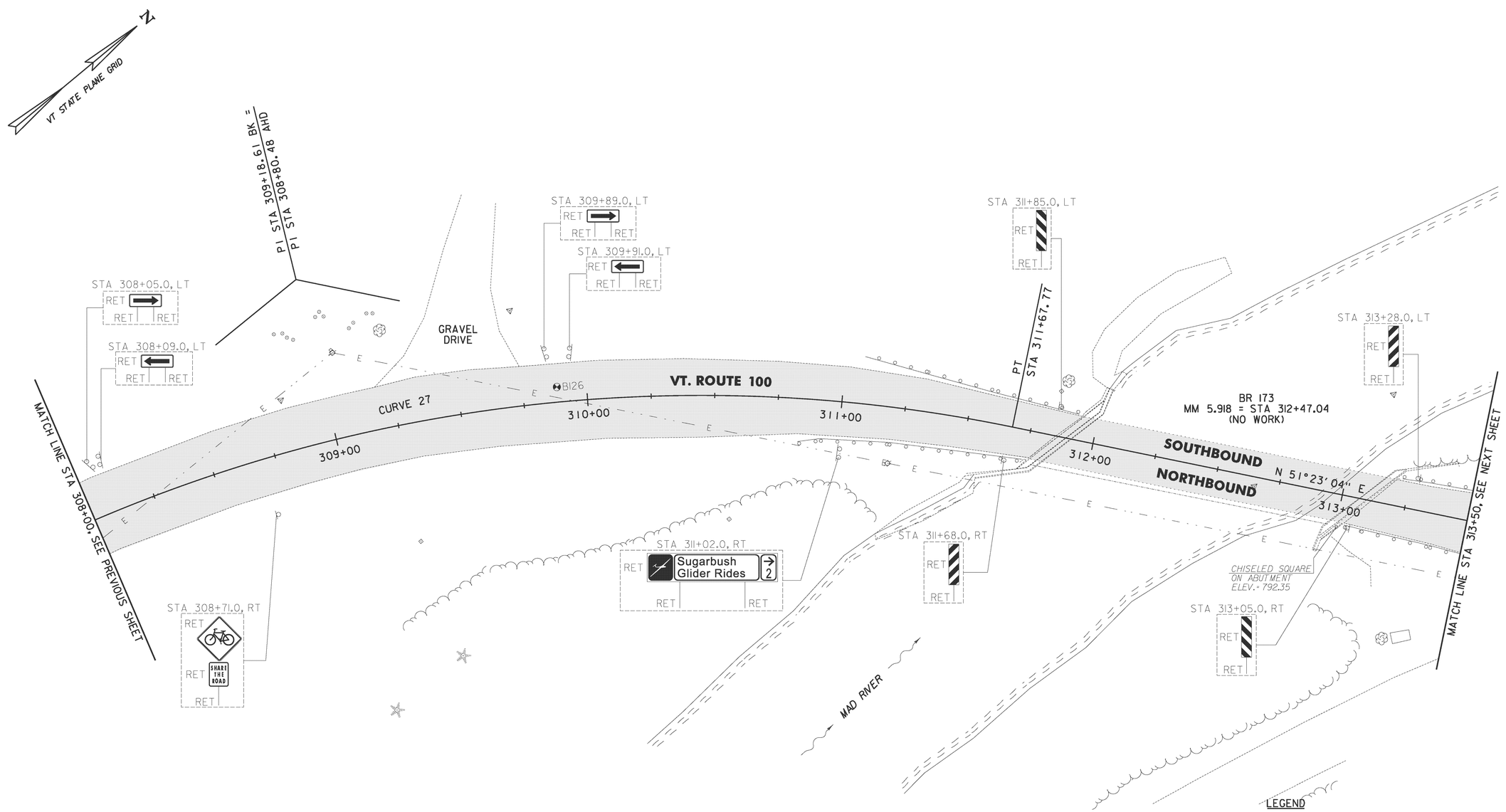
SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

PROJECT LAYOUT SHEET #48

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048l48.i	SHEET 74 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p056048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4026



LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

NO PAVING WORK TO BE PERFORMED IN THIS AREA UNDER STP 2506(1)

0 20 40
SCALE IN FEET

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B126	5.0	NO	

NOTE:

1. APPROXIMATE WETLAND LOCATIONS FROM STA 308+00 TO STA 309+00 LT AND FROM STA 308+00 TO STA 311+00 RT.

CURVE 27
△ = 50°48' 11"
D = 9°28' 13"
R = 605.00'
T = 287.29'
L = 536.44'
E = 64.75'
e = 0.080 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WARREN

PROJECT LAYOUT SHEET #49

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048149.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 75 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 316+68.00 - STA 319+00.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 316+68.00 - STA 319+00.00	S	-	S

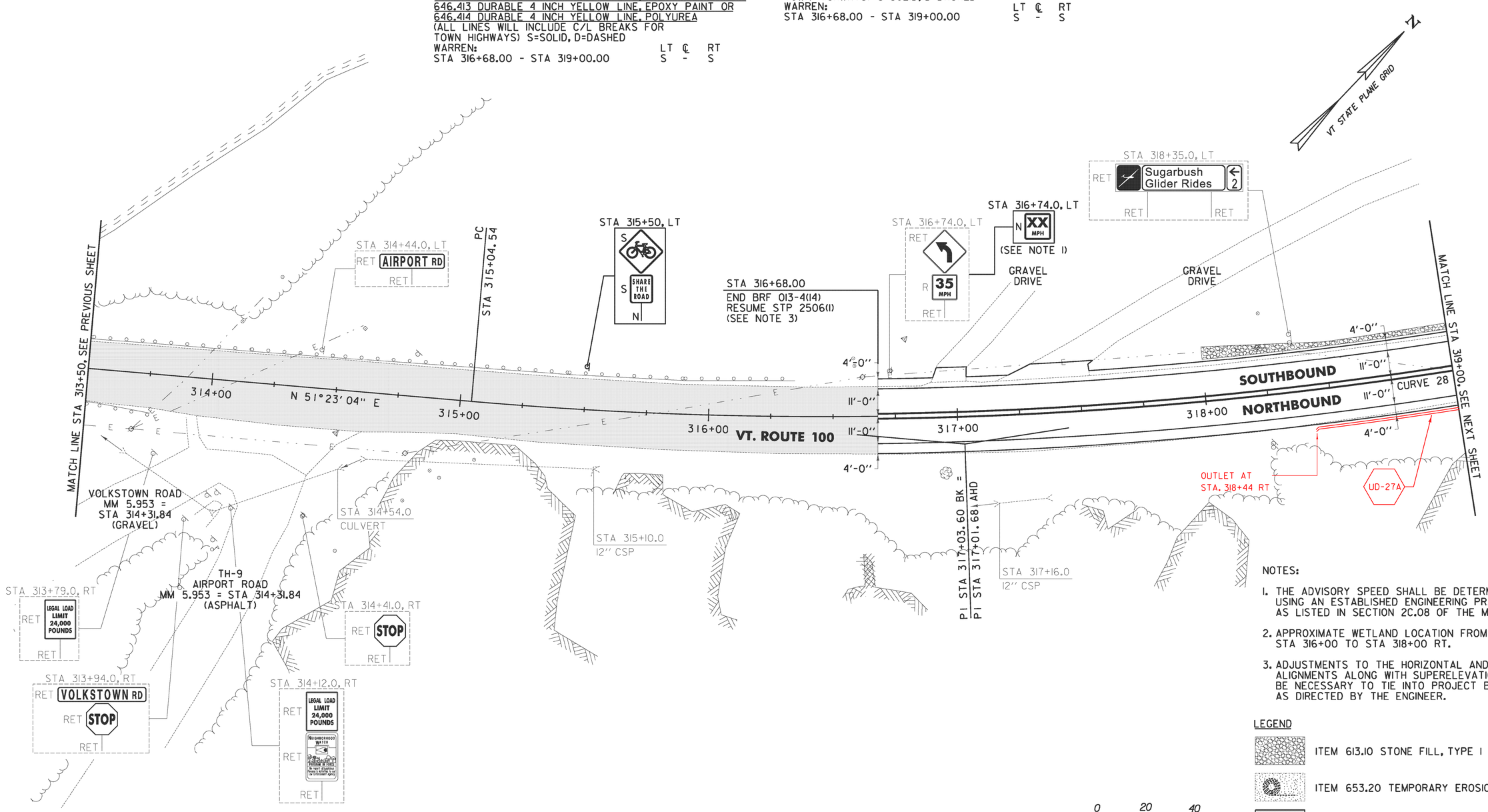
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 316+68.00 - STA 319+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 316+68.00 - STA 319+00.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



NOTES:

1. THE ADVISORY SPEED SHALL BE DETERMINED USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.
2. APPROXIMATE WETLAND LOCATION FROM STA 316+00 TO STA 318+00 RT.
3. ADJUSTMENTS TO THE HORIZONTAL AND VERTICAL ALIGNMENTS ALONG WITH SUPERELEVATION MAY BE NECESSARY TO TIE INTO PROJECT BRF 013-4(14) AS DIRECTED BY THE ENGINEER.

LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

NO PAVING WORK TO BE PERFORMED IN THIS AREA UNDER STP 2506(1)

613.10 STONE FILL, TYPE I
WARREN:
STA 318+00.0 - STA 319+00.0 LT (14.8 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 318+00.0 - STA 319+00.0 LT (43.0 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 318+00.0 - STA 319+00.0 LT (43.0 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 318+00.0 - STA 319+00.0 LT (65.2 SY)

CURVE 28

Δ =	13°45'28"
D =	3°28'21"
R =	1650.00'
T =	199.06'
L =	396.20'
E =	11.96'
e =	0.058 FT/FT

SIGN LEGEND

R =	REMOVE
S =	SALVAGE
N =	NEW
RET =	RETAIN
B-B =	BACK TO BACK
EXISTING =	----------
NEW =	————
① =	RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #50

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048150.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 76 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 319+00.00 - STA 324+50.00 LT & RT

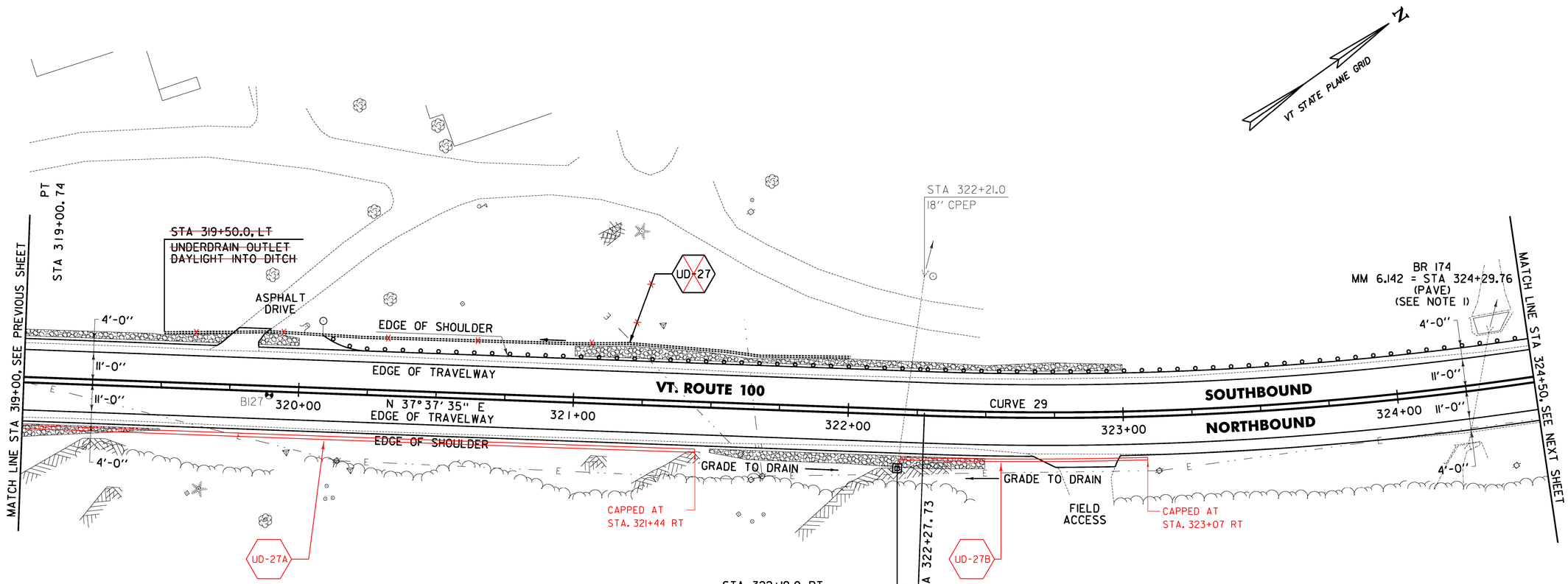
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 319+00.00 - STA 324+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 319+00.00 - STA 324+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WARREN:

	LT	℄	RT
STA 319+00.00 - STA 324+50.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 319+00.0 - STA 319+50.0 RT (6.1 CY)
STA 319+00.0 - STA 319+71.0 LT (9.6 CY)
STA 319+85.0 - STA 320+00.0 LT (3.3 CY)
STA 321+00.0 - STA 323+00.0 LT (24.8 CY)
STA 321+50.0 - STA 322+50.0 RT (8.2 CY)

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
WARREN:
STA 320+08.0 - STA 324+22.5 LT (414.5 LF)
STA 324+47.5 - STA 324.50.0 LT (2.5 LF)

621.217 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS
WARREN:
STA 324+22.5 - STA 324+47.5 LT (25.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
WARREN:
STA 320+14.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 321+66.0 - STA 324+50.0 LT (284.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 319+00.0 - STA 319+50.0 RT (17.7 SY)
STA 319+00.0 - STA 319+71.0 LT (30.0 SY)
STA 319+85.0 - STA 320+00.0 LT (7.2 SY)
STA 321+00.0 - STA 323+00.0 LT (71.7 SY)
STA 321+50.0 - STA 322+50.0 RT (38.2 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 319+00.0 - STA 319+50.0 RT (28.8 SY)
STA 319+00.0 - STA 319+71.0 LT (44.3 SY)
STA 319+85.0 - STA 320+00.0 LT (15.1 SY)
STA 321+00.0 - STA 323+00.0 LT (116.1 SY)
STA 321+50.0 - STA 322+50.0 RT (60.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 319+00.0 - STA 319+50.0 RT (17.7 SY)
STA 319+00.0 - STA 319+71.0 LT (30.0 SY)
STA 319+85.0 - STA 320+00.0 LT (7.2 SY)
STA 321+00.0 - STA 323+00.0 LT (71.7 SY)
STA 321+50.0 - STA 322+50.0 RT (38.2 SY)

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 320+08.0 LT

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B127	5.0	NO	

CURVE 29
Δ = 24°19'46"
D = 4°42'57"
R = 1215.00'
T = 261.91'
L = 515.92'
E = 27.91'
e = 0.070 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

NOTE:
1. SEE SHEET 301 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL.

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #51

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048151.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 77 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 324+50.00 - STA 330+00.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

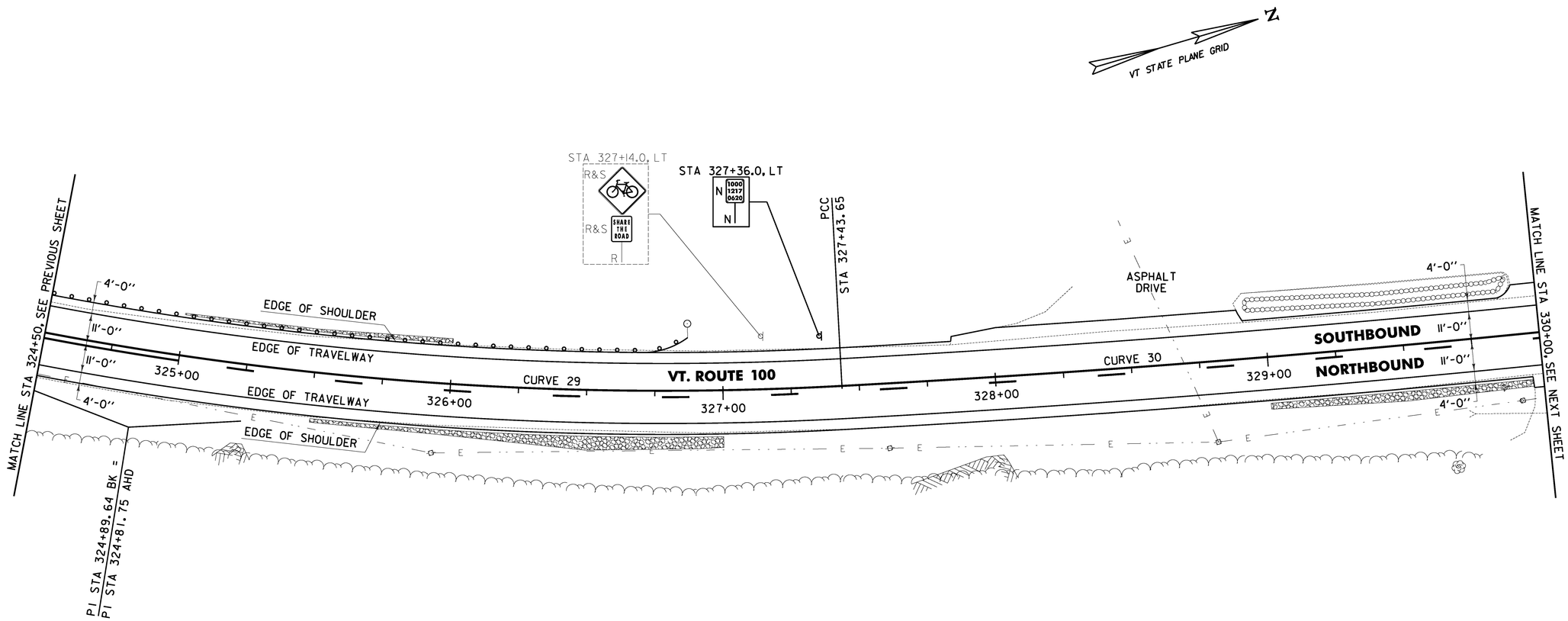
WARREN:	LT	℄	RT
STA 324+50.00 - STA 325+00.00	S	-	S
STA 325+00.00 - STA 330+00.00	S	-	D

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 324+50.00 - STA 330+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 324+50.00 - STA 325+00.00	S	-	S
STA 325+00.00 - STA 330+00.00	S	-	D

675.50 REMOVING SIGNS
AS SHOWN - 2



613.10 STONE FILL, TYPE I
WARREN:
STA 325+00.0 - STA 326+00.0 LT (2.3 CY)
STA 325+50.0 - STA 327+00.0 RT (23.2 CY)
STA 329+00.0 - STA 329+96.0 RT (8.1 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WARREN:
STA 324+50.0 - STA 324+63.0 LT (13.0 LF)

651.40 GRUBBING MATERIAL
WARREN:
STA 325+00.0 - STA 326+00.0 LT (12.9 SY)
STA 325+50.0 - STA 327+00.0 RT (67.5 SY)
STA 329+00.0 - STA 329+96.0 RT (37.4 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 325+00.0 - STA 326+00.0 LT (12.9 SY)
STA 325+50.0 - STA 327+00.0 RT (67.5 SY)
STA 329+00.0 - STA 329+96.0 RT (37.4 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 325+00.0 - STA 326+00.0 LT (35.1 SY)
STA 325+50.0 - STA 327+00.0 RT (100.9 SY)
STA 329+00.0 - STA 329+96.0 RT (59.6 SY)

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
WARREN:
STA 324+50.0 - STA 326+87.0 LT (237.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
WARREN:
STA 326+80.5 LT

676.10 DELINEATOR WITH STEEL POST
WARREN:
STA 326+87.0 LT

CURVE 29
△ = 24° 19' 46"
D = 4° 42' 57"
R = 1215.00'
T = 261.91'
L = 515.92'
E = 27.91'
e = 0.070 FT/FT

CURVE 30
△ = 6° 02' 31"
D = 1° 01' 41"
R = 5573.25'
T = 294.13'
L = 587.71'
E = 7.76'
e = 0.022 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #52

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048152.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 78 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 330+00.00 - STA 335+17.05 LT & RT

WAITSFIELD:
STA 0+00.00 - STA 0+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

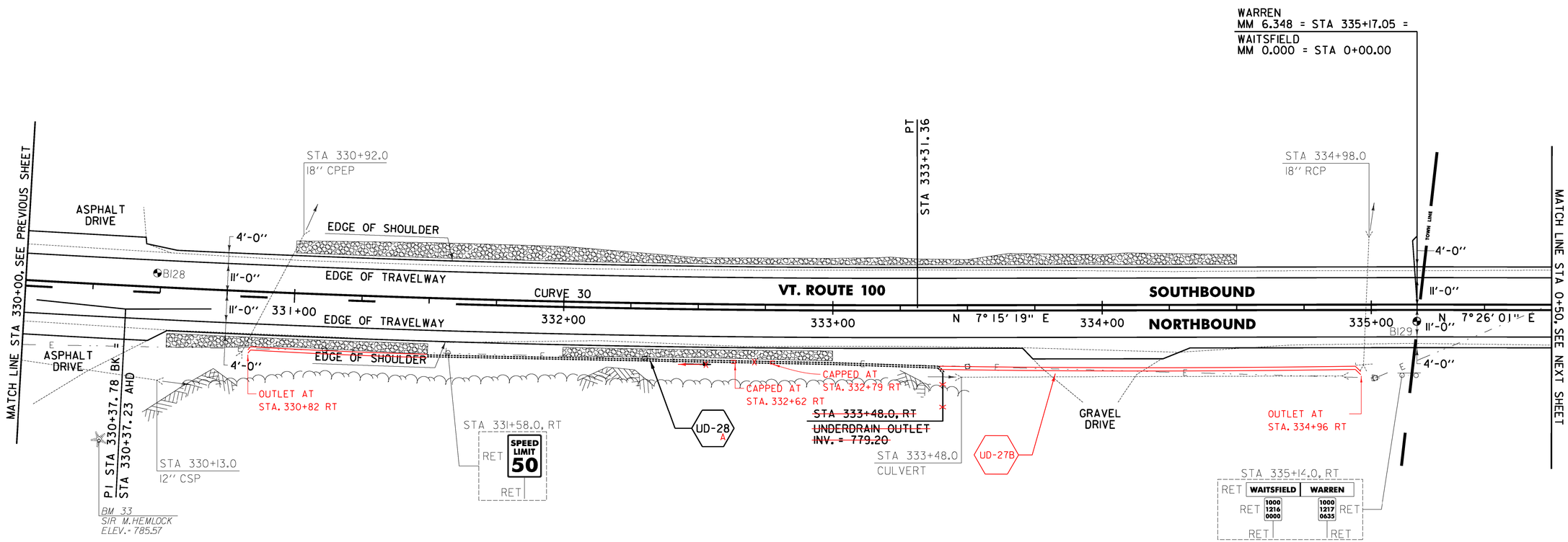
WARREN:	LT	℄	RT
STA 330+00.00 - STA 331+60.00	S	-	D
STA 331+60.00 - STA 335+17.05	S	-	S
WAITSFIELD:			
STA 0+00.00 - STA 0+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WARREN:
STA 330+00.00 - STA 335+17.05 LT & RT

WAITSFIELD:
STA 0+00.00 - STA 0+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WARREN:	LT	℄	RT
STA 330+00.00 - STA 331+60.00	S	-	D
STA 331+60.00 - STA 335+17.05	S	-	S
WAITSFIELD:			
STA 0+00.00 - STA 0+50.00	S	-	S



613.10 STONE FILL, TYPE I
WARREN:
STA 330+53.0 - STA 331+50.0 RT (6.9 CY)
STA 331+00.0 - STA 334+50.0 LT (59.0 CY)
STA 332+00.0 - STA 333+00.0 RT (15.2 CY)

651.40 GRUBBING MATERIAL
WARREN:
STA 330+53.0 - STA 331+50.0 RT (20.0 SY)
STA 331+00.0 - STA 334+50.0 LT (172.0 SY)
STA 332+00.0 - STA 333+00.0 RT (44.1 SY)

653.20 TEMPORARY EROSION MATTING
WARREN:
STA 330+53.0 - STA 331+50.0 RT (20.0 SY)
STA 331+00.0 - STA 334+50.0 LT (172.0 SY)
STA 332+00.0 - STA 333+00.0 RT (44.1 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 330+53.0 - STA 331+50.0 RT (69.5 SY)
STA 331+00.0 - STA 334+50.0 LT (249.8 SY)
STA 332+00.0 - STA 333+00.0 RT (66.3 SY)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B128	5.0	NO	
B129	5.0	NO	

CURVE 30
Δ = 6°02'31"
D = 1°01'41"
R = 5573.25'
T = 294.13'
L = 587.71'
E = 7.76'
e = 0.022 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #53

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048153.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 79 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4868

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 0+50.00 - STA 6+00.00 LT & RT

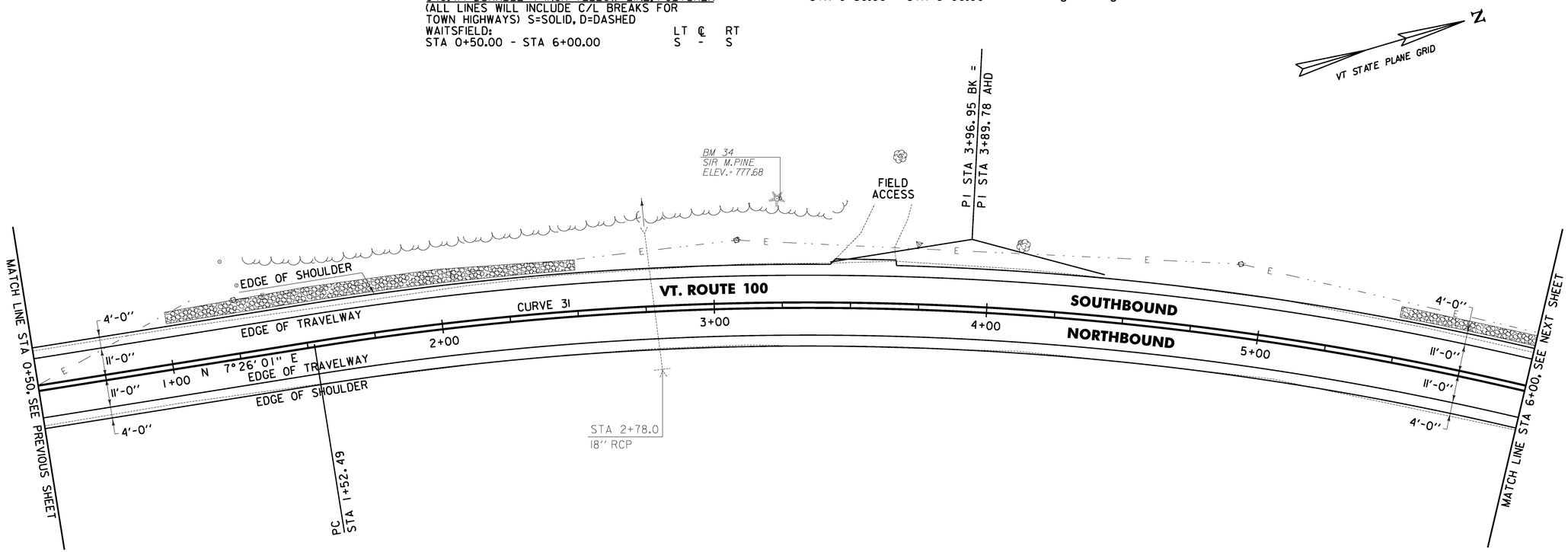
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 0+50.00 - STA 6+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 0+50.00 - STA 6+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 0+50.00 - STA 6+00.00	S	-	S



613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 1+00.0 - STA 2+50.0 LT (32.6 CY)
STA 5+50.0 - STA 6+00.0 LT (9.6 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 1+00.0 - STA 2+50.0 LT (95.7 SY)
STA 5+50.0 - STA 6+00.0 LT (28.2 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 1+00.0 - STA 2+50.0 LT (95.7 SY)
STA 5+50.0 - STA 6+00.0 LT (28.2 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 1+00.0 - STA 2+50.0 LT (129.1 SY)
STA 5+50.0 - STA 6+00.0 LT (39.3 SY)

CURVE 31
Δ = 24°00'06"
D = 4°58'56"
R = 1150.00'
T = 244.46'
L = 481.74'
E = 25.70'
e = 0.072 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #54

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048154.i	SHEET 80 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 6+00.00 - STA 11+50.00 LT & RT

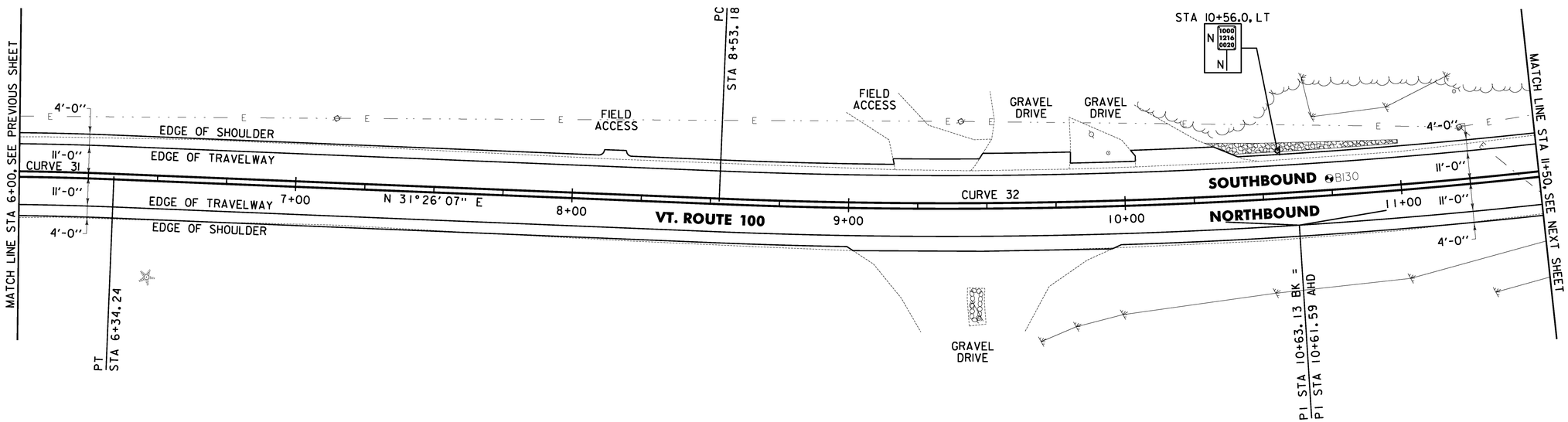
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 6+00.00 - STA 11+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 6+00.00 - STA 11+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 6+00.00 - STA 11+50.00	S	-	S



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B130	5.0	NO	

NOTE:

1. APPROXIMATE WETLAND LOCATION FROM STA 10+50 TO STA 11+50 RT.

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 10+30.0 - STA 11+00.0 LT (64.7 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 10+30.0 - STA 11+00.0 LT (7.9 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 10+30.0 - STA 11+00.0 LT (42.5 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 10+30.0 - STA 11+00.0 LT (42.5 SY)

CURVE 31
△ = 24°00'06"
D = 4°58'56"
R = 1150.00'
T = 244.46'
L = 481.74'
E = 25.70'
e = 0.072 FT/FT

CURVE 32
△ = 11°59'06"
D = 2°51'53"
R = 2000.00'
T = 209.95'
L = 418.36'
E = 10.99'
e = 0.051 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #55

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048155.1
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 81 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 11+50.00 - STA 17+00.00 LT & RT

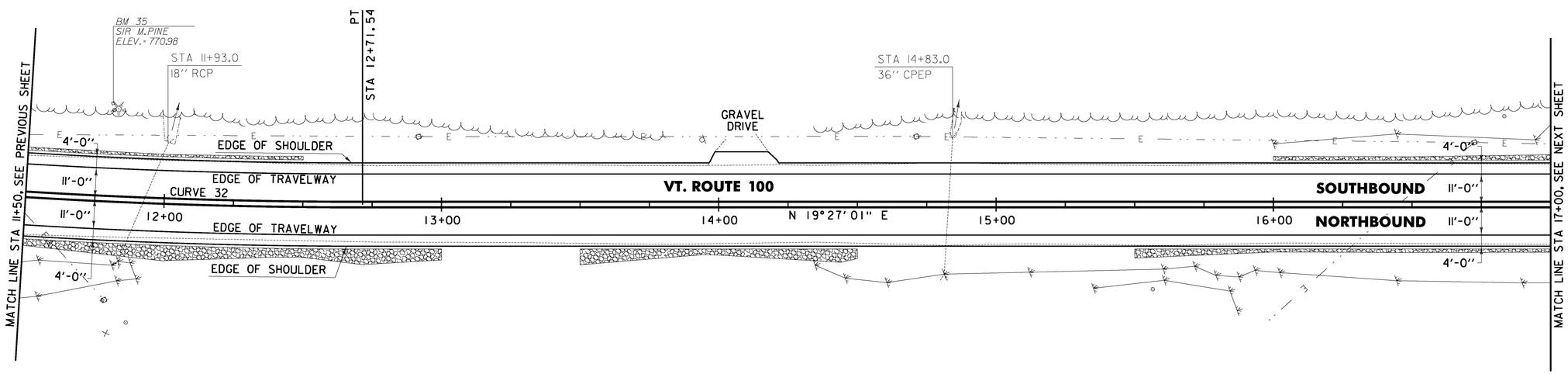
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 11+50.00 - STA 17+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 11+50.00 - STA 17+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 11+50.00 - STA 17+00.00	S	-	S



613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 11+50.0 - STA 13+00.0 RT (28.4 CY)
STA 11+50.0 - STA 12+50.0 LT (2.4 CY)
STA 13+50.0 - STA 14+50.0 RT (5.2 CY)
STA 15+50.0 - STA 17+00.0 RT (11.6 CY)
STA 16+00.0 - STA 16+50.0 LT (3.4 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 11+50.0 - STA 13+00.0 RT (82.9 SY)
STA 11+50.0 - STA 12+50.0 LT (13.1SY)
STA 13+50.0 - STA 14+50.0 RT (43.2 SY)
STA 15+50.0 - STA 17+00.0 RT (32.7 SY)
STA 16+00.0 - STA 16+50.0 LT (9.4 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 11+50.0 - STA 13+00.0 RT (82.9 SY)
STA 11+50.0 - STA 12+50.0 LT (13.1SY)
STA 13+50.0 - STA 14+50.0 RT (43.2 SY)
STA 15+50.0 - STA 17+00.0 RT (32.7 SY)
STA 16+00.0 - STA 16+50.0 LT (9.4 SY)

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 11+50.0 - STA 13+00.0 RT (116.2 SY)
STA 11+50.0 - STA 12+50.0 LT (35.4 SY)
STA 13+50.0 - STA 14+50.0 RT (65.4 SY)
STA 15+50.0 - STA 17+00.0 RT (66.1SY)
STA 16+00.0 - STA 16+50.0 LT (20.5 SY)

NOTE:

1. APPROXIMATE WETLAND LOCATIONS FROM STA 11+50 TO STA 17+00 RT AND FROM STA 15+50 TO STA 17+00 LT.

CURVE 32
△ = 11°59'06"
D = 2°51'53"
R = 2000.00'
T = 209.95'
L = 418.36'
E = 10.99'
e = 0.051 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #56

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048156.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 82 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plan.dgn
DATE/TIME = 12/20/2012
USER = 4866

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 17+00.00 - STA 22+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 17+00.00 - STA 22+50.00	S	-	S

STA 17+79.36 DOUBLE SOLID LT, TH-29
STA 21+17.28 DOUBLE SOLID RT, TH-32

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 17+00.00 - STA 22+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 17+00.00 - STA 22+50.00	S	-	S

STA 17+79.36 DOUBLE SOLID LT, TH-29
STA 21+17.28 DOUBLE SOLID RT, TH-32

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WAITSFIELD:
STA 17+79.36 LT, TH-29
STA 21+17.28 RT, TH-32

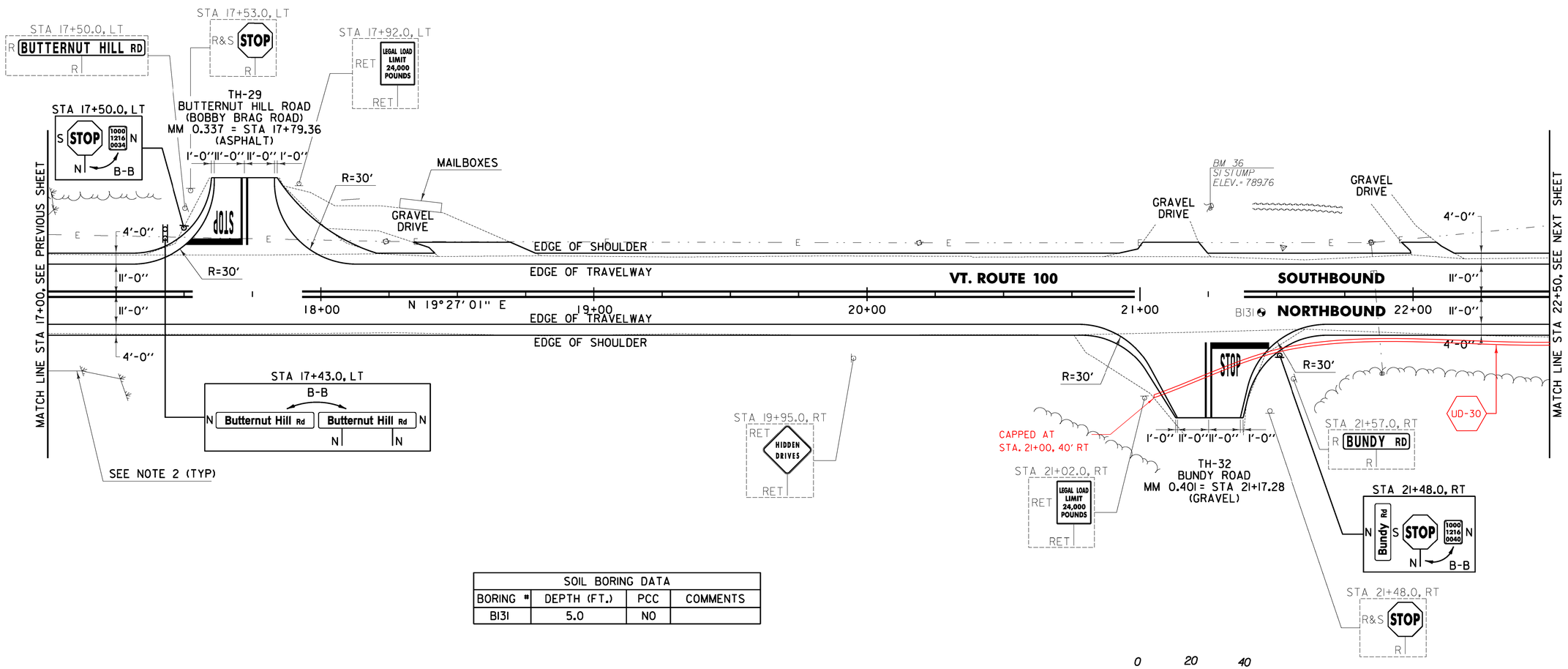
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WAITSFIELD:
STA 17+79.36 LT, TH-29, "S,T,O,P" (4 EA)
STA 21+17.28 RT, TH-32, "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WAITSFIELD:
STA 17+79.36 LT, TH-29
STA 21+17.28 RT, TH-32

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WAITSFIELD:
STA 17+79.36 LT, TH-29, "S,T,O,P" (8 EA)
STA 21+17.28 RT, TH-32, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
BI31	5.0	NO	

NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

2. APPROXIMATE WETLAND LOCATION FROM STA 17+00 TO STA 18+50 RT.

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

PROJECT LAYOUT SHEET #57

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048157.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 83 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 22+50.00 - STA 28+00.00 LT & RT

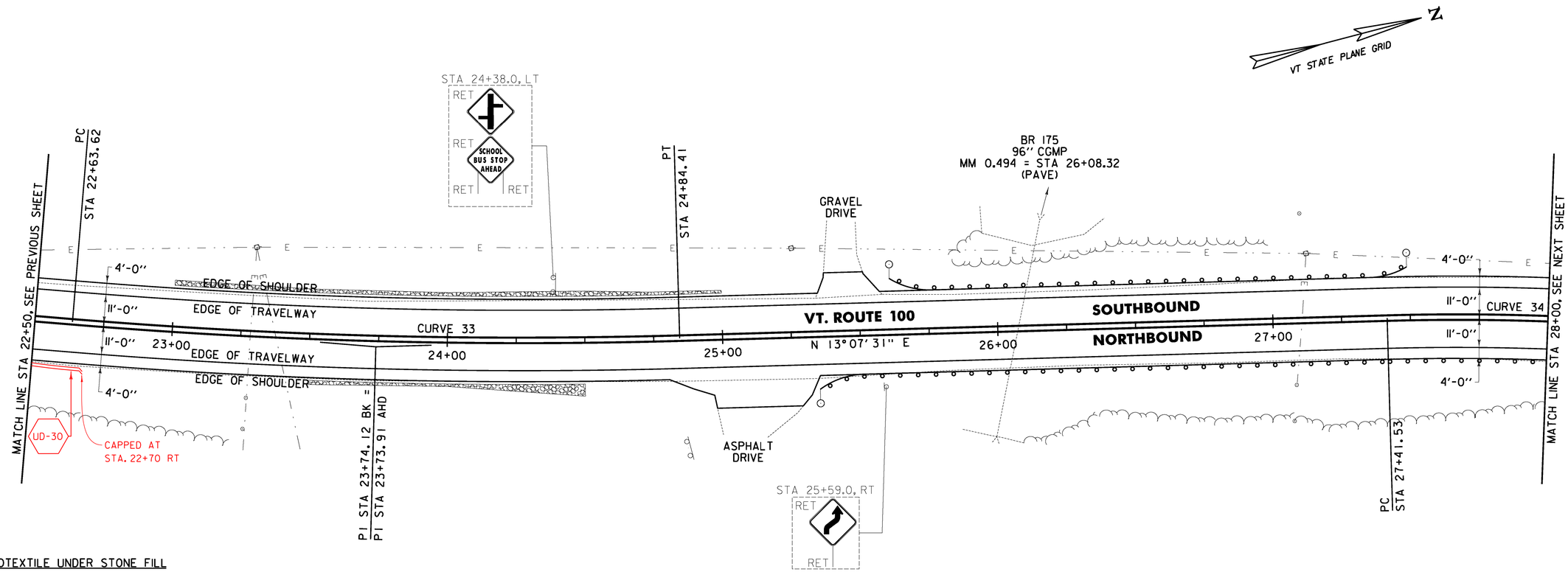
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 22+50.00 - STA 28+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 22+50.00 - STA 28+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 22+50.00 - STA 28+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 23+00.0 - STA 25+00.0 LT (87.0 SY)
STA 23+50.0 - STA 24+50.0 RT (49.4 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 23+00.0 - STA 25+00.0 LT (15.1 CY)
STA 23+50.0 - STA 24+50.0 RT (9.5 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 23+00.0 - STA 25+00.0 LT (42.6 SY)
STA 23+50.0 - STA 24+50.0 RT (27.2 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 23+00.0 - STA 25+00.0 LT (42.6 SY)
STA 23+50.0 - STA 24+50.0 RT (27.2 SY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WAITSFIELD:
STA 25+49.0 - STA 26+35.0 RT (86.0 LF)
STA 25+61.0 - STA 27+22.0 LT (161.0 LF)

676.10 DELINEATOR WITH STEEL POST
WAITSFIELD:
STA 25+35.0 RT
STA 25+59.0 LT
STA 27+49.0 LT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WAITSFIELD:
STA 25+35.0 - STA 28+00.0 RT (265.0 LF)
STA 25+59.0 - STA 27+49.0 LT (190.0 LF)

CURVE 33
Δ = 6°19'30"
D = 2°51'53"
R = 2000.00'
T = 110.50'
L = 220.79'
E = 3.05'
e = 0.051 FT/FT

CURVE 34
Δ = 21°42'31"
D = 6°21'58"
R = 900.00'
T = 172.57'
L = 341.00'
E = 16.39'
e = 0.078 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WAITSFIELD

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #58

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048158.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 84 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 28+00.00 - STA 33+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

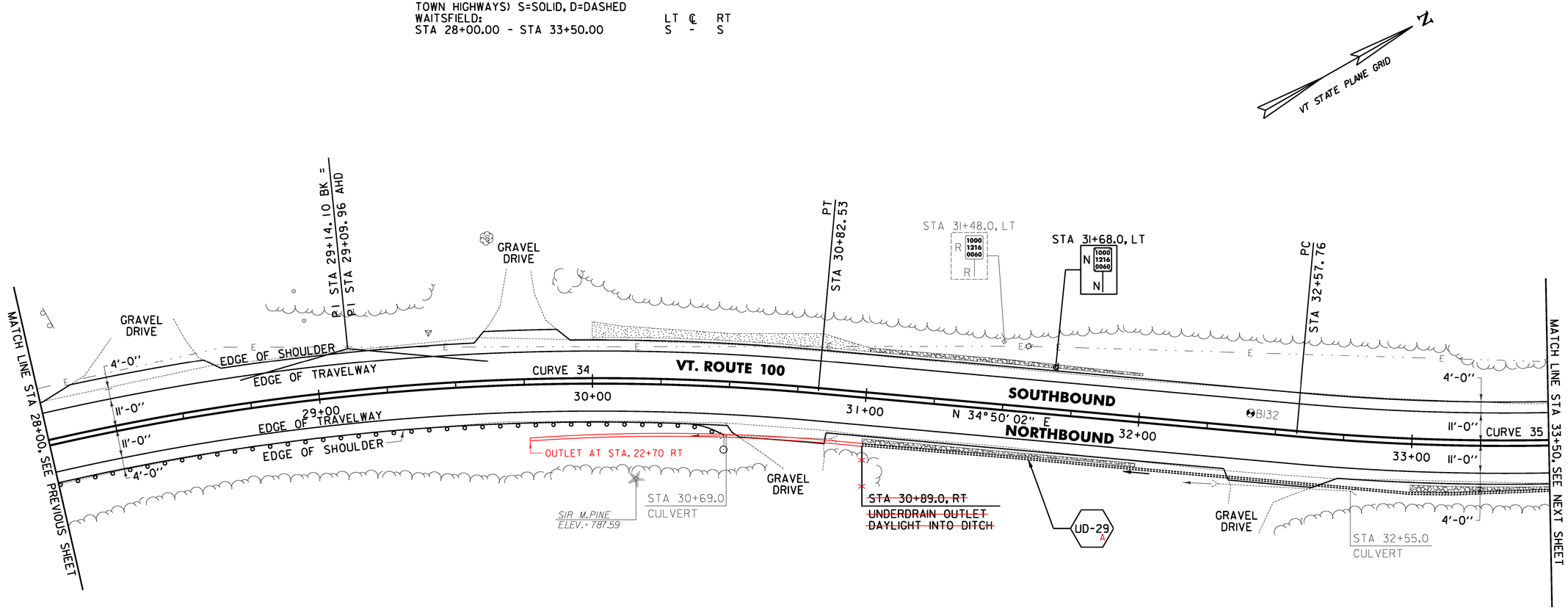
	LT	℄	RT
STA 28+00.00 - STA 33+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 28+00.00 - STA 33+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 28+00.00 - STA 33+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 31+00.0 - STA 32+00.0 LT (42.3 SY)
STA 31+00.0 - STA 32+00.0 RT (40.3 SY)
STA 33+00.0 - STA 33+50.0 RT (22.9 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 31+00.0 - STA 32+00.0 LT (7.2 CY)
STA 31+00.0 - STA 32+00.0 RT (6.5 CY)
STA 33+00.0 - STA 33+50.0 RT (4.2 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 30+00.0 - STA 31+00.0 LT (37.7 SY)
STA 31+00.0 - STA 32+00.0 LT (20.1 SY)
STA 31+00.0 - STA 32+00.0 RT (18.1 SY)
STA 33+00.0 - STA 33+50.0 RT (11.8 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 30+00.0 - STA 31+00.0 LT (37.7 SY)
STA 31+00.0 - STA 32+00.0 LT (20.1 SY)
STA 31+00.0 - STA 32+00.0 RT (18.1 SY)
STA 33+00.0 - STA 33+50.0 RT (11.8 SY)

676.10 DELINEATOR WITH STEEL POST
WAITSFIELD:
STA 30+49.0 RT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WAITSFIELD:
STA 28+00.0 - STA 30+49.0 RT (249.0 LF)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
BI32	5.0	NO	

CURVE 34
Δ = 21°42'31"
D = 6°21'58"
R = 900.00'
T = 172.57'
L = 341.00'
E = 16.39'
e = 0.078 FT/FT

CURVE 35
Δ = 19°49'01"
D = 6°44'26"
R = 850.00'
T = 148.48'
L = 293.99'
E = 12.87'
e = 0.060 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WAITSFIELD

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #59

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048159.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 85 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4646

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 33+50.00 - STA 39+00.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 33+50.00 - STA 39+00.00	S	-	S

STA 34+74.24 DOUBLE SOLID RT, TH-31

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 33+50.00 - STA 39+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 33+50.00 - STA 39+00.00	S	-	S

STA 34+74.24 DOUBLE SOLID RT, TH-31

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WAITSFIELD:
STA 34+74.24 RT, TH-31

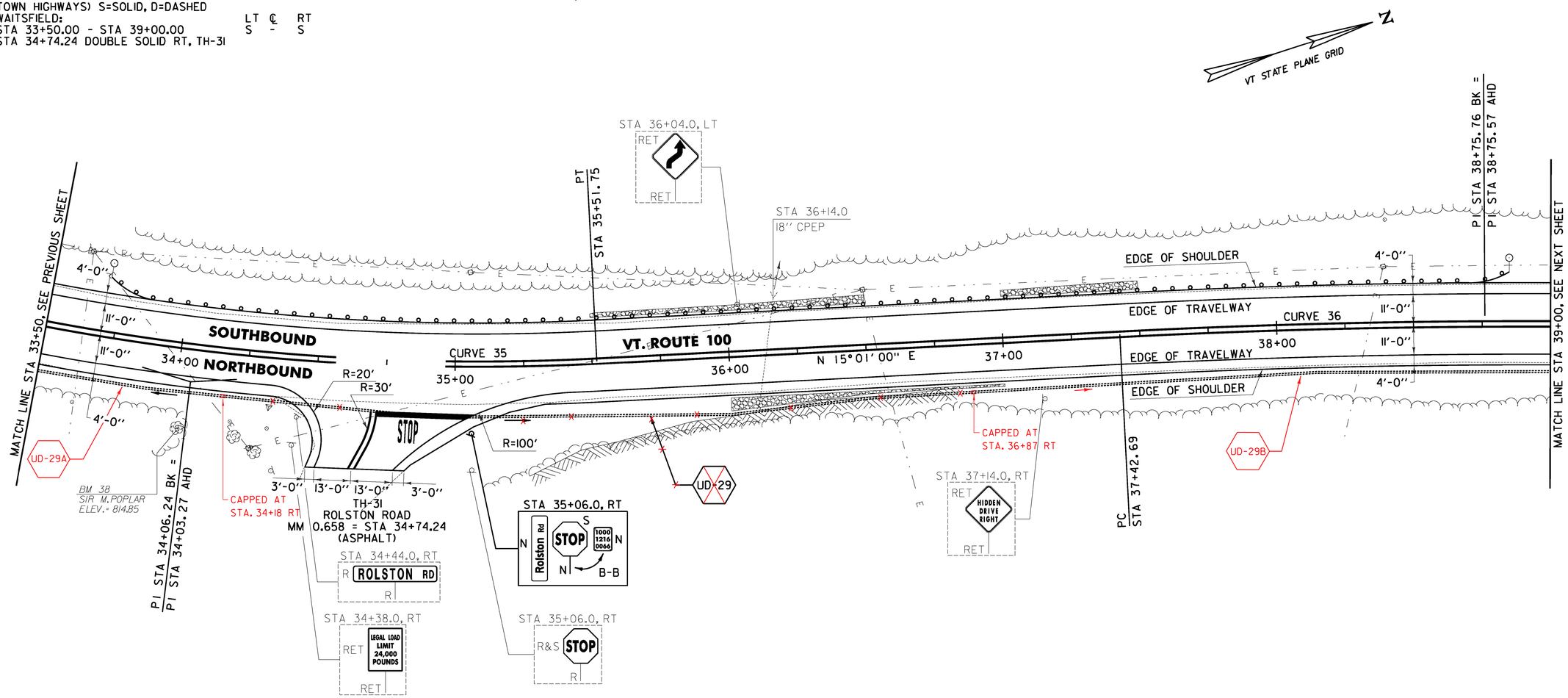
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
WAITSFIELD:
STA 34+74.24 RT, TH-31, "S.T.O.P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WAITSFIELD:
STA 34+74.24 RT, TH-31

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WAITSFIELD:
STA 34+74.24 RT, TH-31, "S.T.O.P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 35+50.0 - STA 36+50.0 LT (4.4 CY)
STA 36+00.0 - STA 37+00.0 RT (9.6 CY)
STA 37+00.0 - STA 37+50.0 LT (6.1 CY)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WAITSFIELD:
STA 33+87.0 - STA 36+17.0 LT (230.0 LF)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 35+50.0 - STA 36+50.0 LT (25.9 SY)
STA 36+00.0 - STA 37+00.0 RT (27.4 SY)
STA 37+00.0 - STA 37+50.0 LT (17.7 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 35+50.0 - STA 36+50.0 LT (25.9 SY)
STA 36+00.0 - STA 37+00.0 RT (27.4 SY)
STA 37+00.0 - STA 37+50.0 LT (17.7 SY)

676.10 DELINEATOR WITH STEEL POST
WAITSFIELD:
STA 33+71.0 LT
STA 38+85.0 LT

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 35+50.0 - STA 36+50.0 LT (48.1 SY)
STA 36+00.0 - STA 37+00.0 RT (49.6 SY)
STA 37+00.0 - STA 37+50.0 LT (28.8 SY)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WAITSFIELD:
STA 33+71.0 - STA 38+85.0 LT (514.0 LF)

CURVE 35
Δ = 19°49'01"
D = 6°44'26"
R = 850.00'
T = 148.48'
L = 293.99'
E = 12.87'
e = 0.060 FT/FT

CURVE 36
Δ = 5°15'16"
D = 1°58'33"
R = 2900.00'
T = 133.07'
L = 265.94'
E = 3.05'
e = 0.038 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #60

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048160.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 86 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 39+00.00 - STA 44+50.00 LT & RT

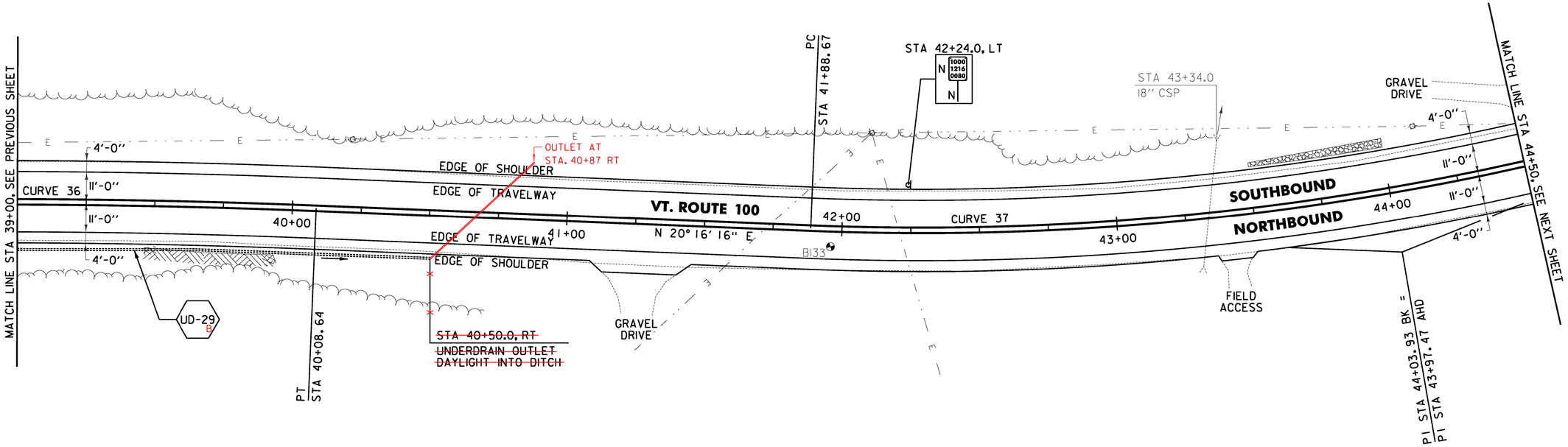
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 39+00.00 - STA 44+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 39+00.00 - STA 44+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 39+00.00 - STA 44+50.00	S	-	S



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B133	5.0		

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 43+50.0 - STA 44+00.0 LT (26.6 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 43+50.0 - STA 44+00.0 LT (5.4 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 43+50.0 - STA 44+00.0 LT (15.4 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 43+50.0 - STA 44+00.0 LT (15.4 SY)

CURVE 36
Δ = 5° 15' 16"
D = 1° 58' 33"
R = 2900.00'
T = 133.07'
L = 265.94'
E = 3.05'
e = 0.038 FT/FT

CURVE 37
Δ = 24° 17' 48"
D = 5° 43' 46"
R = 1000.00'
T = 215.26'
L = 424.06'
E = 22.91'
e = 0.076 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #61

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048161.I
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 87 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4062

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 44+50.00 - STA 50+00.00 LT & RT

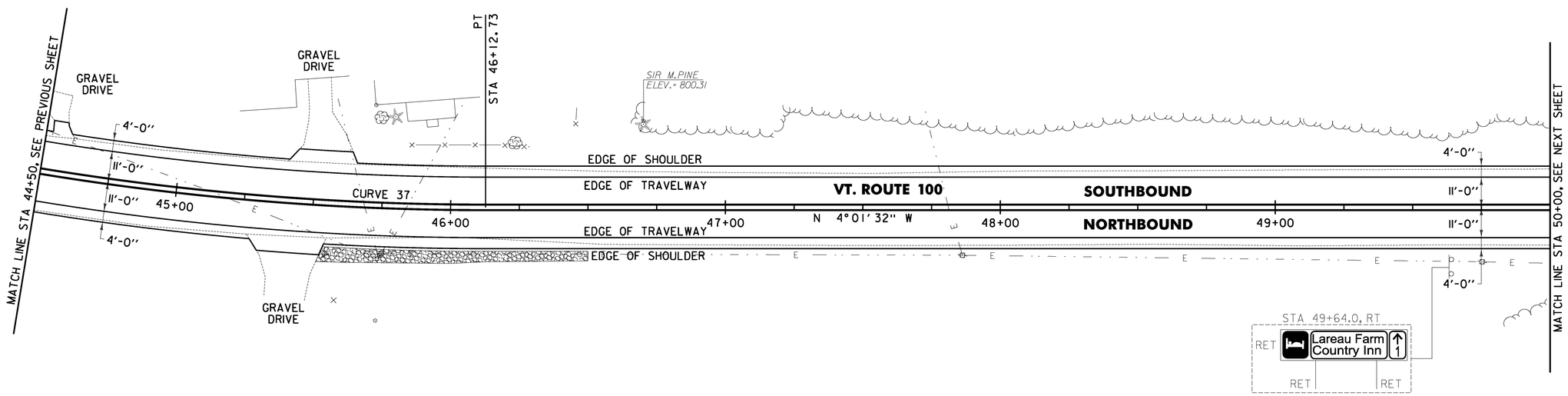
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 44+50.00 - STA 50+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 44+50.00 - STA 50+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 44+50.00 - STA 50+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 45+55.0 - STA 46+50.0 RT (78.8 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 45+55.0 - STA 46+50.0 RT (10.2 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 45+55.0 - STA 46+50.0 RT (56.6 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 45+55.0 - STA 46+50.0 RT (56.6 SY)

CURVE 37
Δ = 24° 17' 48"
D = 5° 43' 46"
R = 1000.00'
T = 215.26'
L = 424.06'
E = 22.91'
e = 0.076 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #62

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048162.i	SHEET 88 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4696

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 50+00.00 - STA 55+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 50+00.00 - STA 55+50.00	S	-	S

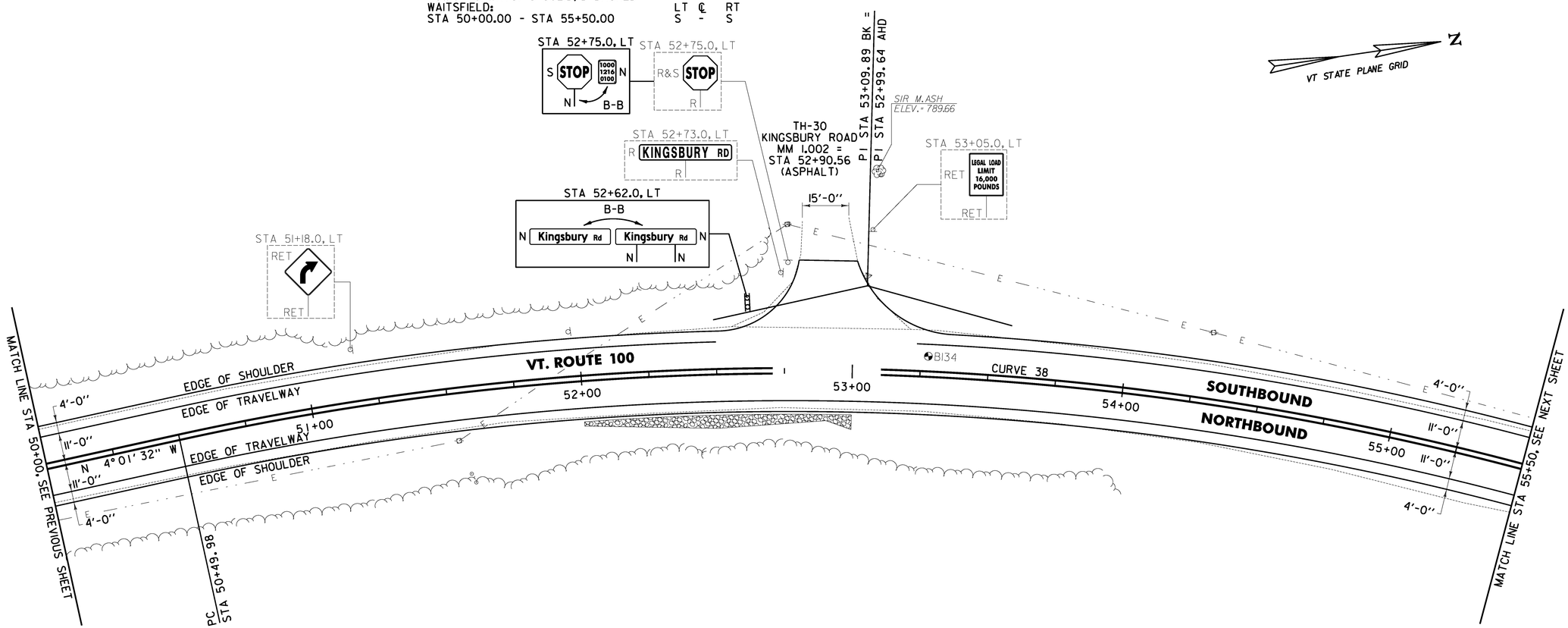
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 50+00.00 - STA 55+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 50+00.00 - STA 55+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B134	5.0	NO	

649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 52+00.0 - STA 53+00.0 RT (75.1 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 52+00.0 - STA 53+00.0 RT (11.1 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 52+00.0 - STA 53+00.0 RT (52.8 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 52+00.0 - STA 53+00.0 RT (52.8 SY)

NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

2. APPROXIMATE WETLAND LOCATION FROM STA 53+00 TO STA 55+50 RT.

CURVE 38
Δ = 27°48'22"
D = 5°27'24"
R = 1050.00'
T = 259.91'
L = 509.57'
E = 31.69'
e = 0.058 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓣ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #63

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048163.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 89 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 55+50.00 - STA 61+00.00 LT & RT

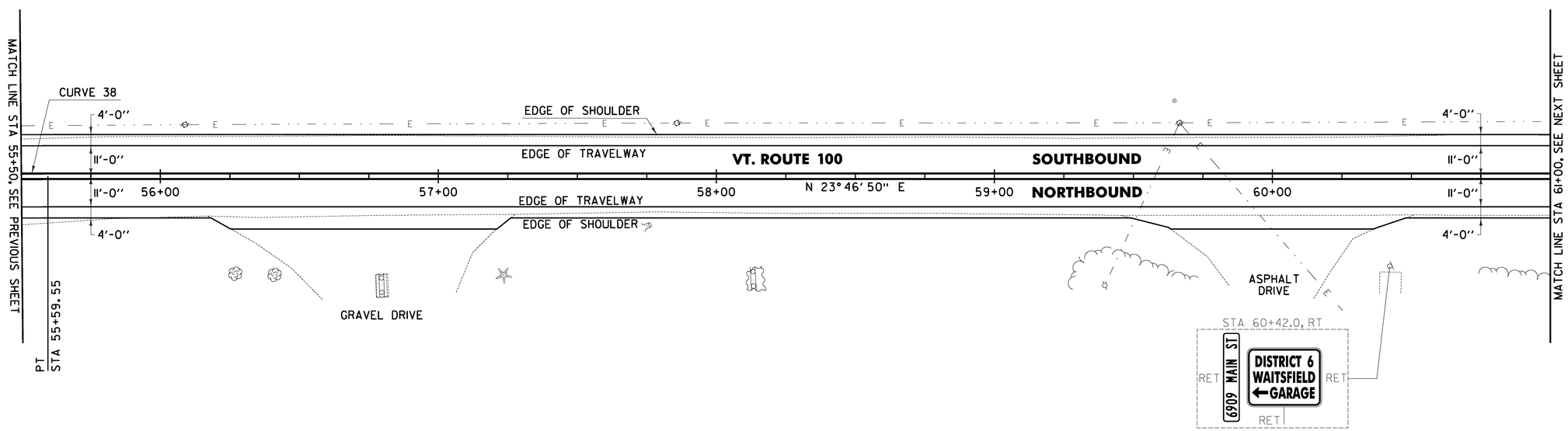
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 55+50.00 - STA 61+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 55+50.00 - STA 61+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 55+50.00 - STA 61+00.00	S	-	S



NOTE:

1. APPROXIMATE WETLAND LOCATION FROM STA 55+50 TO STA 59+00 RT.

CURVE 38

Δ	= 27° 48' 22"
D	= 5° 27' 24"
R	= 1050.00'
T	= 259.91'
L	= 509.57'
E	= 31.69'
e	= 0.058 FT/FT

SIGN LEGEND

R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK
EXISTING	= ----------
NEW	= ————
①	= RETURN TO THE TOWN OF WARREN

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #64

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048164.i	SHEET 90 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 61+00.00 - STA 66+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

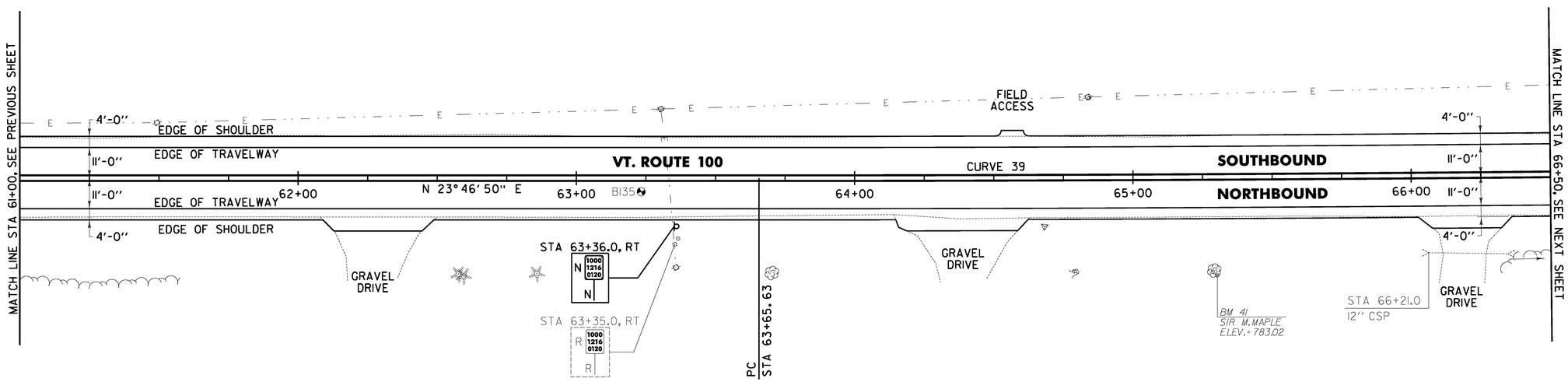
WAITSFIELD:	LT	℄	RT
STA 61+00.00 - STA 66+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 61+00.00 - STA 66+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 61+00.00 - STA 66+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
BI35	5.0	NO	

CURVE 39
△ = 1° 13' 01"
D = 0° 11' 28"
R = 30000.00'
T = 318.60'
L = 637.18'
E = 1.69'
e = N.C.

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #65

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048165.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 91 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4696

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 66+50.00 - STA 72+00.00 LT & RT

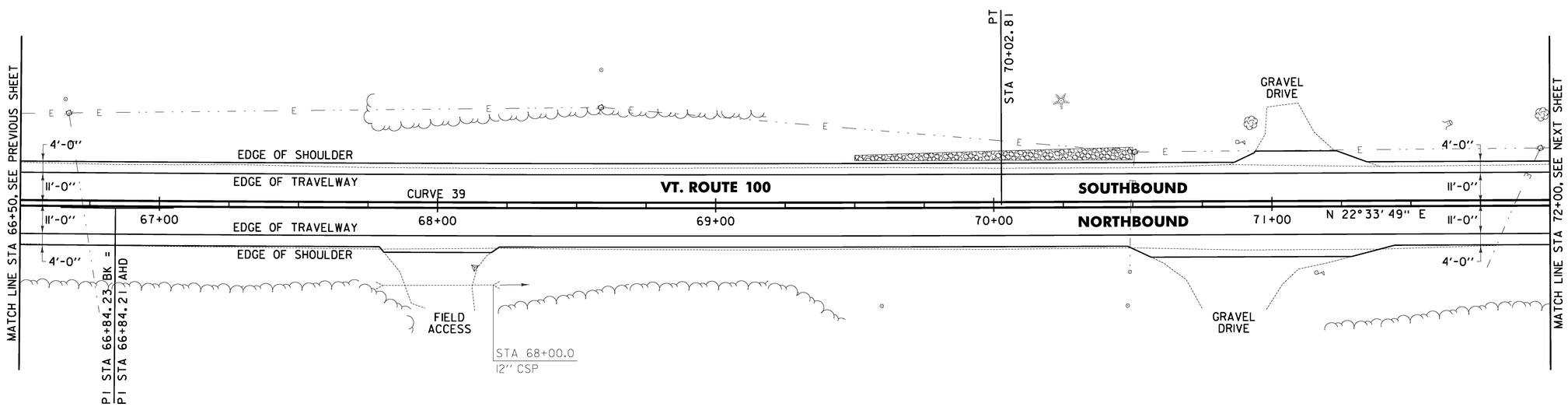
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 66+50.00 - STA 72+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 66+50.00 - STA 72+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 66+50.00 - STA 72+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 69+50.0 - STA 70+50.0 LT (63.9 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 69+50.0 - STA 70+50.0 LT (7.7 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 69+50.0 - STA 70+50.0 LT (41.7 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 69+50.0 - STA 70+50.0 LT (41.7 SY)

CURVE 39
Δ = 1° 13' 01"
D = 0° 11' 28"
R = 30000.00'
T = 318.60'
L = 637.18'
E = 1.69'
e = N.C.

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓣ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #66

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048i66.i	SHEET 92 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 72+00.00 - STA 77+50.00 LT & RT

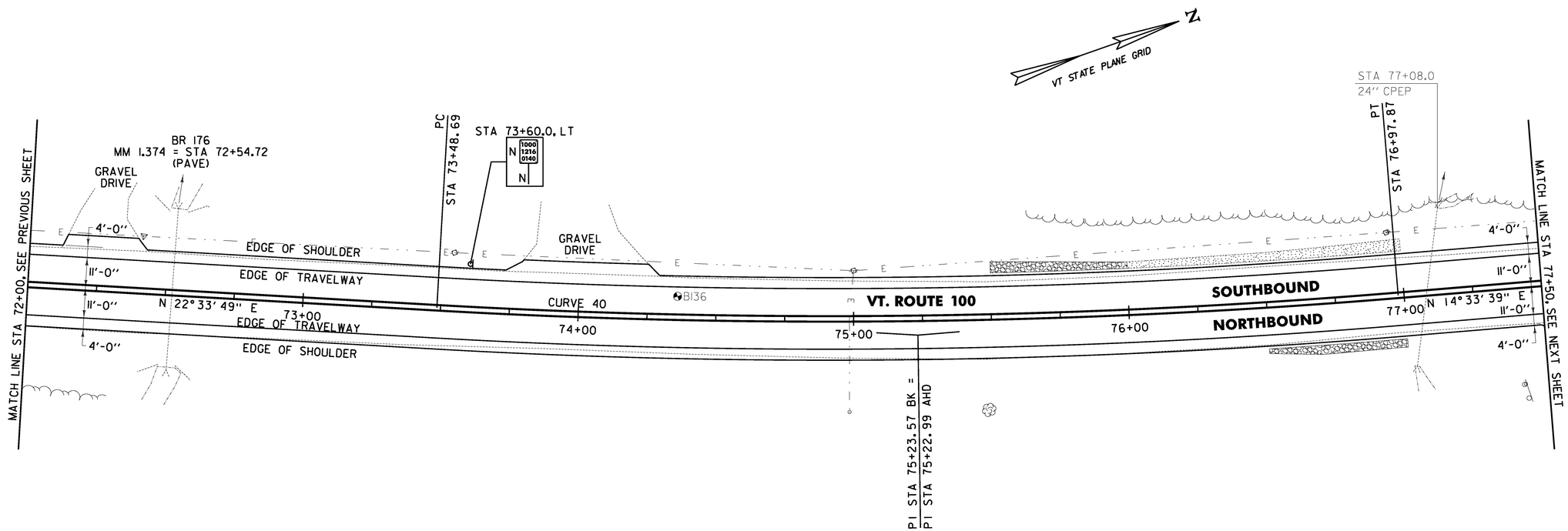
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 72+00.00 - STA 77+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 72+00.00 - STA 77+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 72+00.00 - STA 77+50.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 75+50.0 - STA 76+00.0 LT (35.1 SY)
STA 76+50.0 - STA 77+00.0 RT (27.1 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 75+50.0 - STA 76+00.0 LT (8.2 CY)
STA 76+50.0 - STA 77+00.0 RT (5.6 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 75+50.0 - STA 76+00.0 LT (24.0 SY)
STA 76+00.0 - STA 77+00.0 LT (41.1 SY)
STA 76+50.0 - STA 77+00.0 RT (15.9 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 75+50.0 - STA 76+00.0 LT (24.0 SY)
STA 76+00.0 - STA 77+00.0 LT (41.1 SY)
STA 76+50.0 - STA 77+00.0 RT (15.9 SY)

SOIL BORING DATA

BORING #	DEPTH (FT.)	PCC	COMMENTS
B136	4.0	NO	REFUSAL AT 4.0 FT.

CURVE 40
Δ = 8° 00' 10"
D = 2° 17' 31"
R = 2500.00'
T = 174.88'
L = 349.18'
E = 6.11'
e = 0.043 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓣ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #67

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048167.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 93 OF 310

FILE NAME = U:\17762\CADD\WSTIN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 77+50.00 - STA 83+00.00 LT & RT

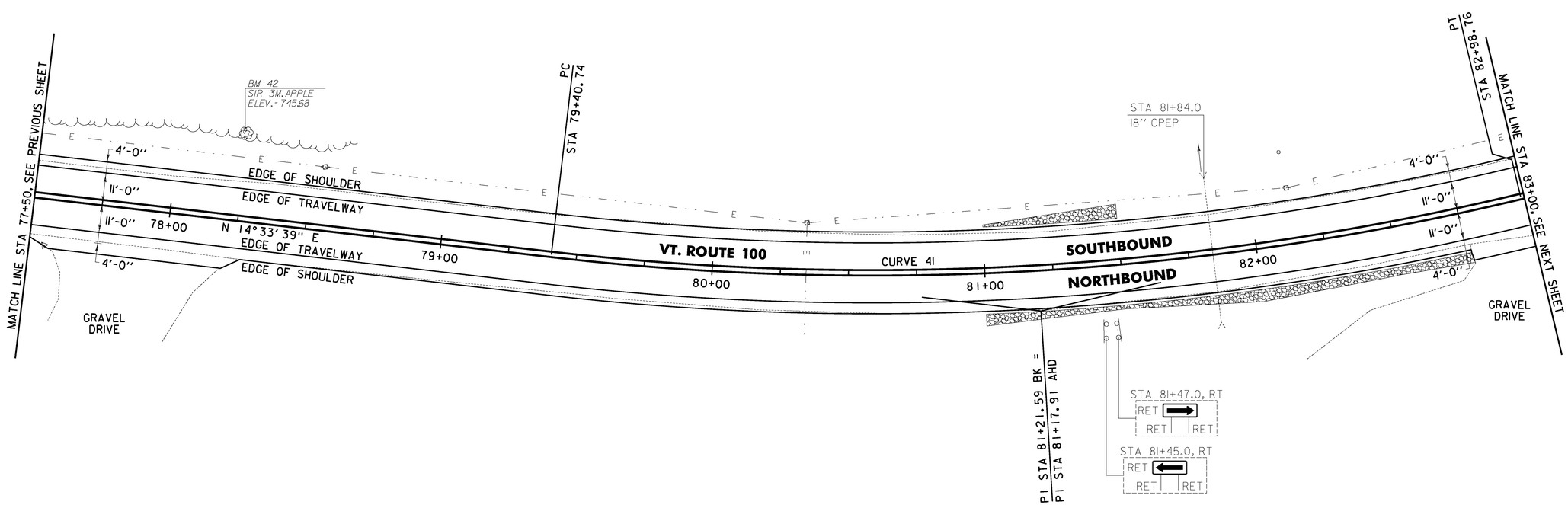
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 77+50.00 - STA 83+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 77+50.00 - STA 83+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 77+50.00 - STA 83+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 81+00.0 - STA 81+50.0 LT (31.6 SY)
STA 81+00.0 - STA 82+77.0 RT (132.6 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 81+00.0 - STA 81+50.0 LT (7.1 CY)
STA 81+00.0 - STA 82+77.0 RT (11.1 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 81+00.0 - STA 81+50.0 LT (20.5 SY)
STA 81+00.0 - STA 82+77.0 RT (88.2 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 81+00.0 - STA 81+50.0 LT (20.5 SY)
STA 81+00.0 - STA 82+77.0 RT (88.2 SY)

NOTE:

1. APPROXIMATE WETLAND LOCATION FROM STA 79+20 TO STA 83+00 LT.

CURVE 41
△ = 20°00'44"
D = 5°35'23"
R = 1025.00'
T = 180.85'
L = 358.01'
E = 15.83'
e = 0.075 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #68

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048168.i	SHEET 94 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4885

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 83+00.00 - STA 88+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

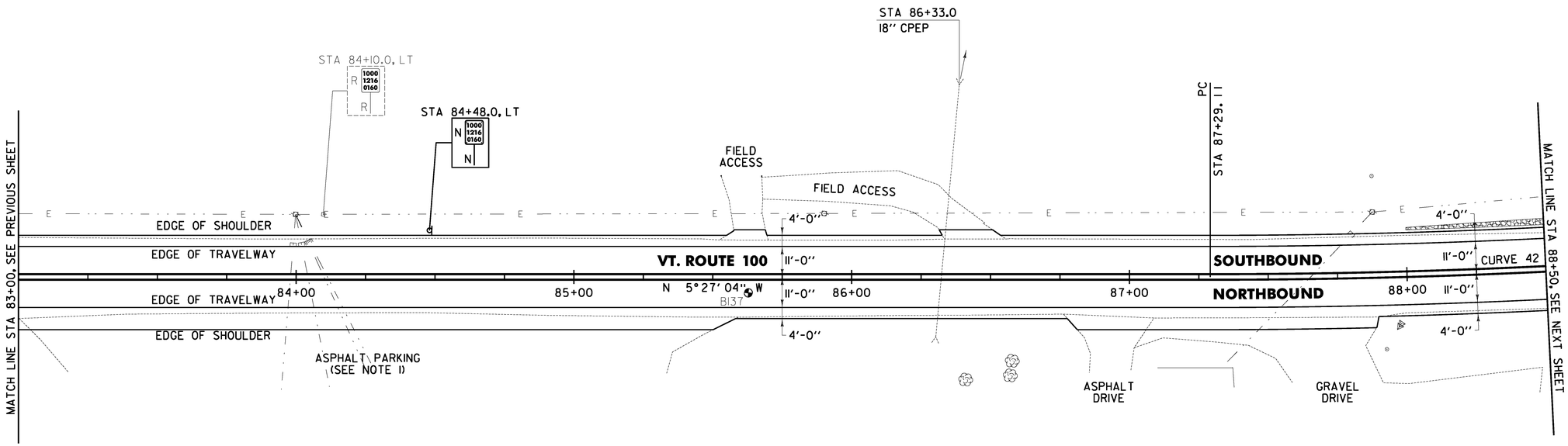
WAITSFIELD:	LT	℄	RT
STA 83+00.00 - STA 88+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 83+00.00 - STA 88+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 83+00.00 - STA 88+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 88+00.0 - STA 88+50.0 LT (22.9 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 88+00.0 - STA 88+50.0 LT (4.1 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 88+00.0 - STA 88+50.0 LT (11.8 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 88+00.0 - STA 88+50.0 LT (11.8 SY)

NOTES:

1. PROVIDE A 4 FT WIDE, 1½" TYPE IVS APRON FOR THE EXISTING ASPHALT PARKING AREA. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

2. APPROXIMATE WETLAND LOCATION FROM STA 83+00 TO STA 84+50 LT.

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B137	5.0	NO	

CURVE 42
Δ = 7°09'39"
D = 2°17'31"
R = 2500.00'
T = 156.43'
L = 312.45'
E = 4.89'
e = 0.043 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓣ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #69

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048169.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 95 OF 310

FILE NAME = U:\17752\CADD\WSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 88+50.00 - STA 94+00.00 LT & RT

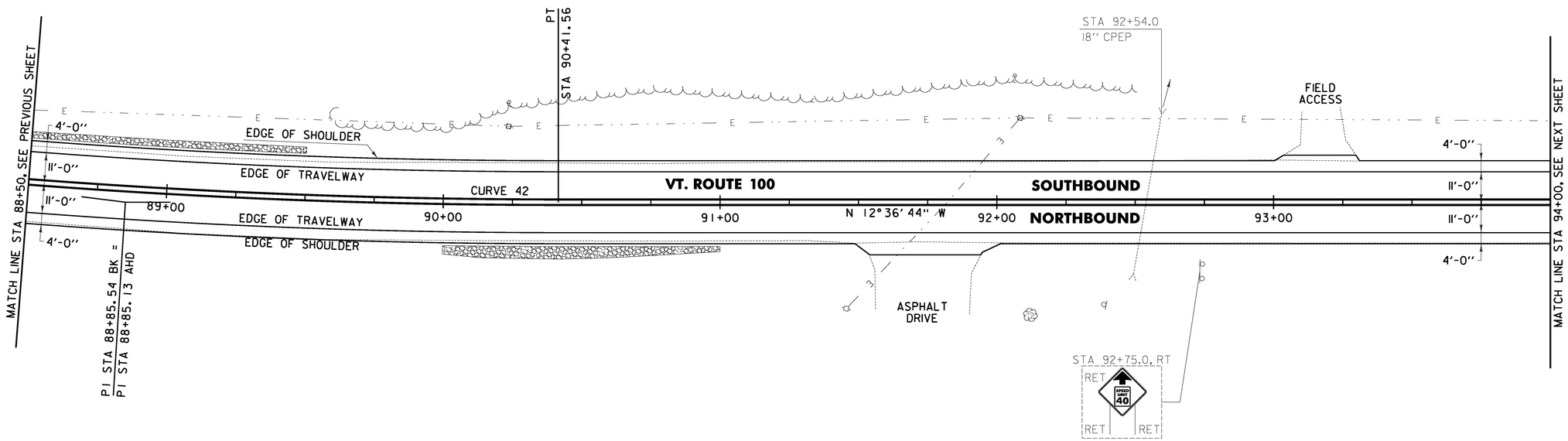
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 88+50.00 - STA 94+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 88+50.00 - STA 94+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 88+50.00 - STA 94+00.00	S	-	S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 88+50.0 - STA 89+50.0 LT (59.0 SY)
STA 90+00.0 - STA 91+00.0 RT (67.8 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 88+50.0 - STA 89+50.0 LT (12.7 CY)
STA 90+00.0 - STA 91+00.0 RT (15.7 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 88+50.0 - STA 89+50.0 LT (36.8 SY)
STA 90+00.0 - STA 91+00.0 RT (45.6 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 88+50.0 - STA 89+50.0 LT (36.8 SY)
STA 90+00.0 - STA 91+00.0 RT (45.6 SY)

CURVE 42
Δ = 7° 09' 39"
D = 2° 17' 31"
R = 2500.00'
T = 156.43'
L = 312.45'
E = 4.89'
e = 0.043 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #70

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048170.i	SHEET 96 OF 310

FILE NAME = U:\17762\CADD\WSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 94+00.00 - STA 99+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

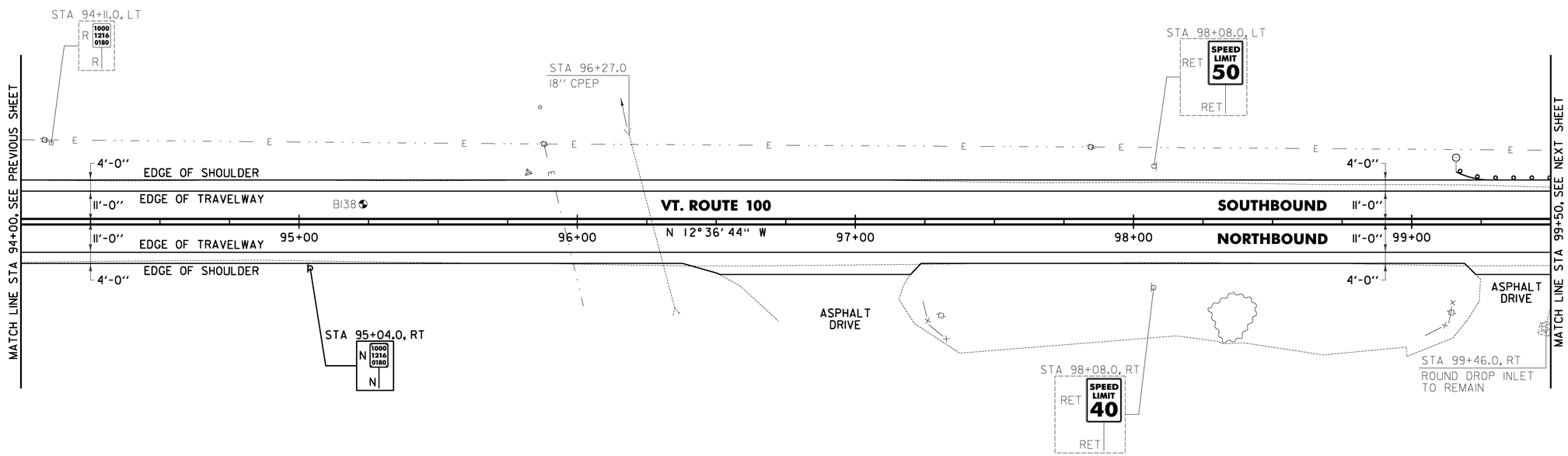
	LT	℄	RT
STA 94+00.00 - STA 99+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 94+00.00 - STA 99+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA 94+00.00 - STA 99+50.00	S	-	S

675.50 REMOVING SIGNS
AS SHOWN - 1



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
BI38	5.0	NO	

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WAITSFIELD:
STA 99+34.0 - STA 99+50.0 LT (16.0 LF)

676.10 DELINEATOR WITH STEEL POST
WAITSFIELD:
STA 99+16.7 LT

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WAITSFIELD:
STA 99+16.7 - STA 99+50.0 LT (33.3 LF)

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓣ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #71

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048171.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 97 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 99+50.00 - STA 105+75.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD: LT ℄ RT
STA 99+50.00 - STA 105+75.00 S - S
STA 105+23.04 DOUBLE SOLID LT, TH-39

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
WAITSFIELD:
STA 105+23.04 LT, TH-39

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
WAITSFIELD:
STA 105+23.04 LT, TH-39, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 99+50.00 - STA 105+75.00 LT & RT

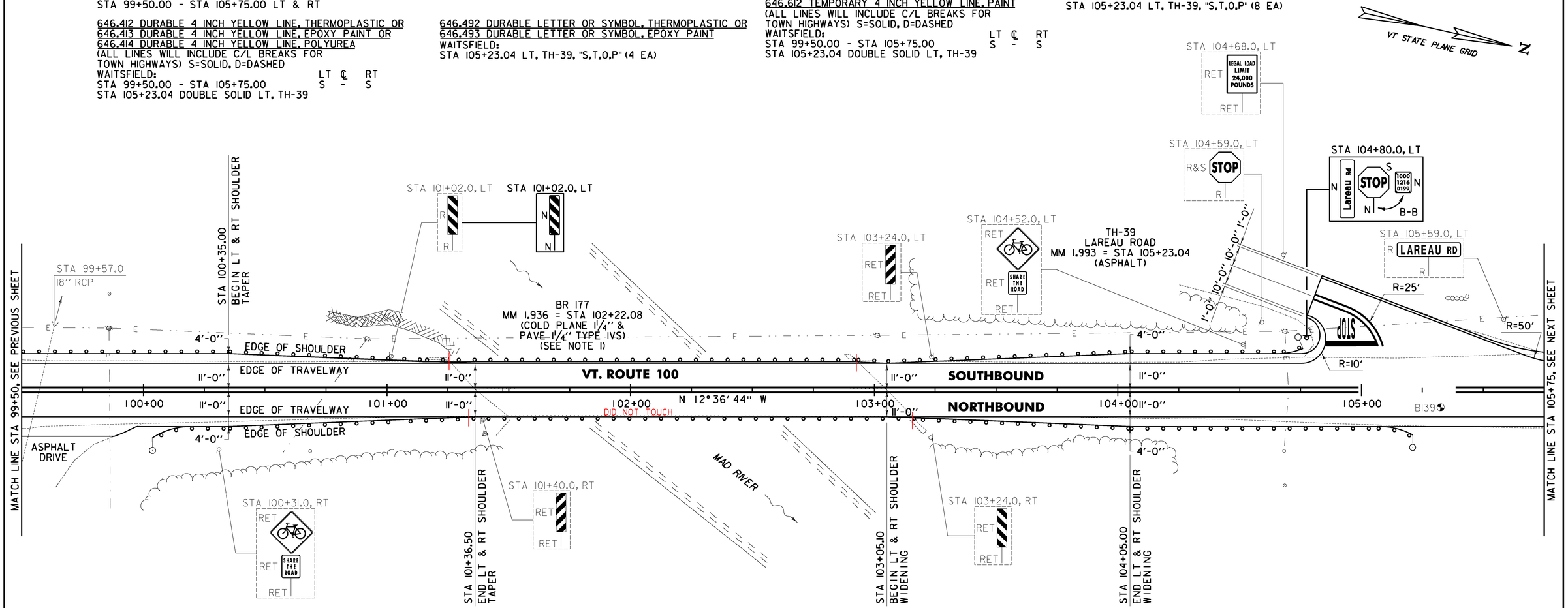
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD: LT ℄ RT
STA 99+50.00 - STA 105+75.00 S - S
STA 105+23.04 DOUBLE SOLID LT, TH-39

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
WAITSFIELD:
STA 105+23.04 LT, TH-39

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
WAITSFIELD:
STA 105+23.04 LT, TH-39, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



~~900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM)~~
WAITSFIELD:
STA 100+83.7 - STA 101+16.0 LT ~~(1 EA)~~ STEEL BEAM RAIL 621.205
STA 101+16.7 - STA 101+49.0 RT ~~(1 EA)~~ " "
STA 102+91.0 - STA 103+23.3 LT ~~(1 EA)~~ " "
STA 103+17.8 - STA 103+51.1 RT ~~(1 EA)~~ " "

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WAITSFIELD:
STA 99+50.0 - STA 101+16.0 LT (166.0 LF)
STA 101+02.0 - STA 101+49.0 RT (47.0 LF)
STA 102+91.0 - STA 104+57.0 LT (166.0 LF)
STA 103+17.8 - STA 104+89.8 RT (172.0 LF)

676.10 DELINEATOR WITH STEEL POST
WAITSFIELD:
STA 100+03.7 RT
STA 104+72.3 LT
STA 105+18.1 RT

~~900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)~~
~~WAITSFIELD:~~
~~STA 99+50.0 - STA 100+83.7 LT (133.7 LF)~~
~~STA 100+03.7 - STA 101+16.7 RT (113.0 LF)~~
~~STA 103+23.3 - STA 104+72.3 LT (149.0 LF)~~
~~STA 103+51.1 - STA 105+18.1 RT (167.0 LF)~~

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B139	5.0	NO	

NOTES:

1. SEE SHEET 309 FOR BR 177 DETAILS.
2. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #72

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048172.i
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 98 OF 310

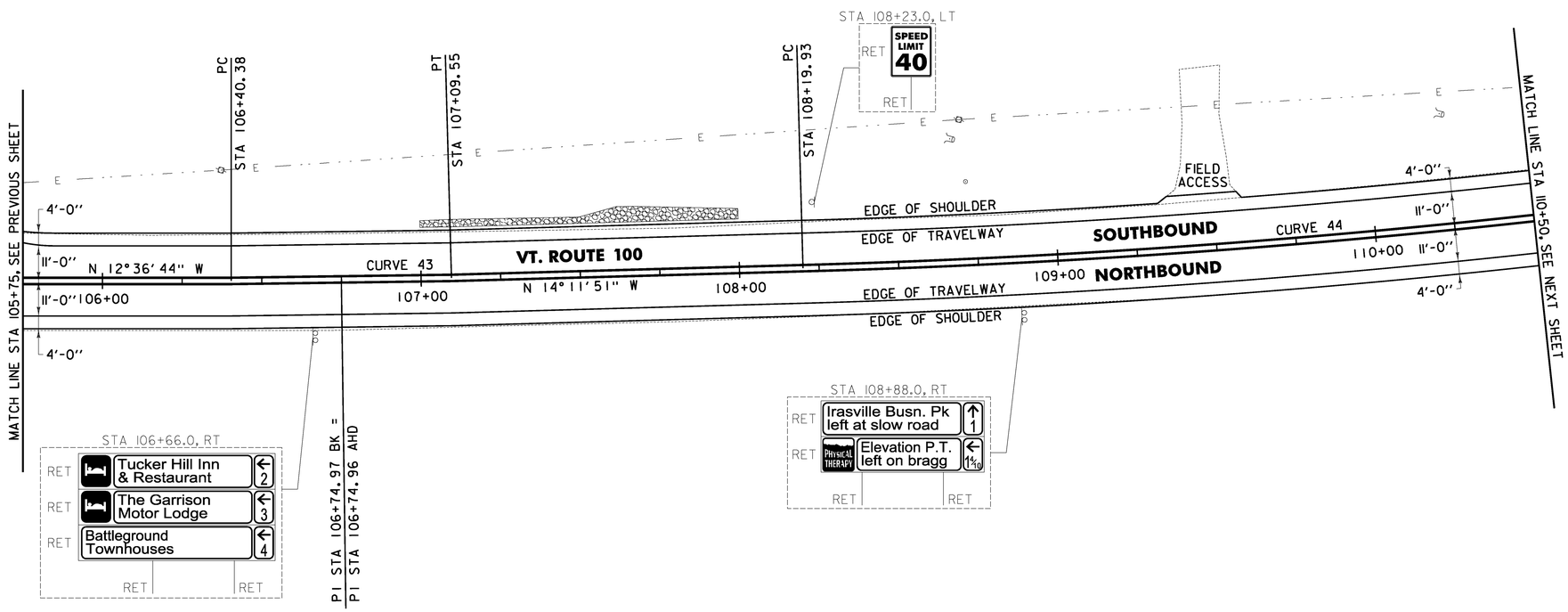
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 105+75.00 - STA 110+50.00 LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD: LT ℄ RT
STA 105+75.00 - STA 110+50.00 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 105+75.00 - STA 110+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD: LT ℄ RT
STA 105+75.00 - STA 110+50.00 S - S



649.31 GEOTEXTILE UNDER STONE FILL
WARREN:
STA 107+00.0 - STA 108+00.0 LT (52.4 SY)

613.10 STONE FILL, TYPE I
WAITSFIELD:
STA 107+00.0 - STA 108+00.0 LT (4.6 CY)

651.40 GRUBBING MATERIAL
WAITSFIELD:
STA 107+00.0 - STA 108+00.0 LT (30.2 SY)

653.20 TEMPORARY EROSION MATTING
WAITSFIELD:
STA 107+00.0 - STA 108+00.0 LT (30.2 SY)

CURVE 43
Δ = 1° 35' 07"
D = 2° 17' 31"
R = 2500.00'
T = 34.59'
L = 69.17'
E = 0.24'
e = 0.031 FT/FT

CURVE 44
Δ = 25° 51' 57"
D = 2° 01' 41"
R = 2825.00'
T = 648.72'
L = 1275.33'
E = 73.53'
e = 0.028 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

LEGEND
ITEM 613.10 STONE FILL, TYPE I
ITEM 653.20 TEMPORARY EROSION MATTING

PROJECT LAYOUT SHEET #73

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048173.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 99 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 110+50.00 - STA 116+00.00 LT & RT

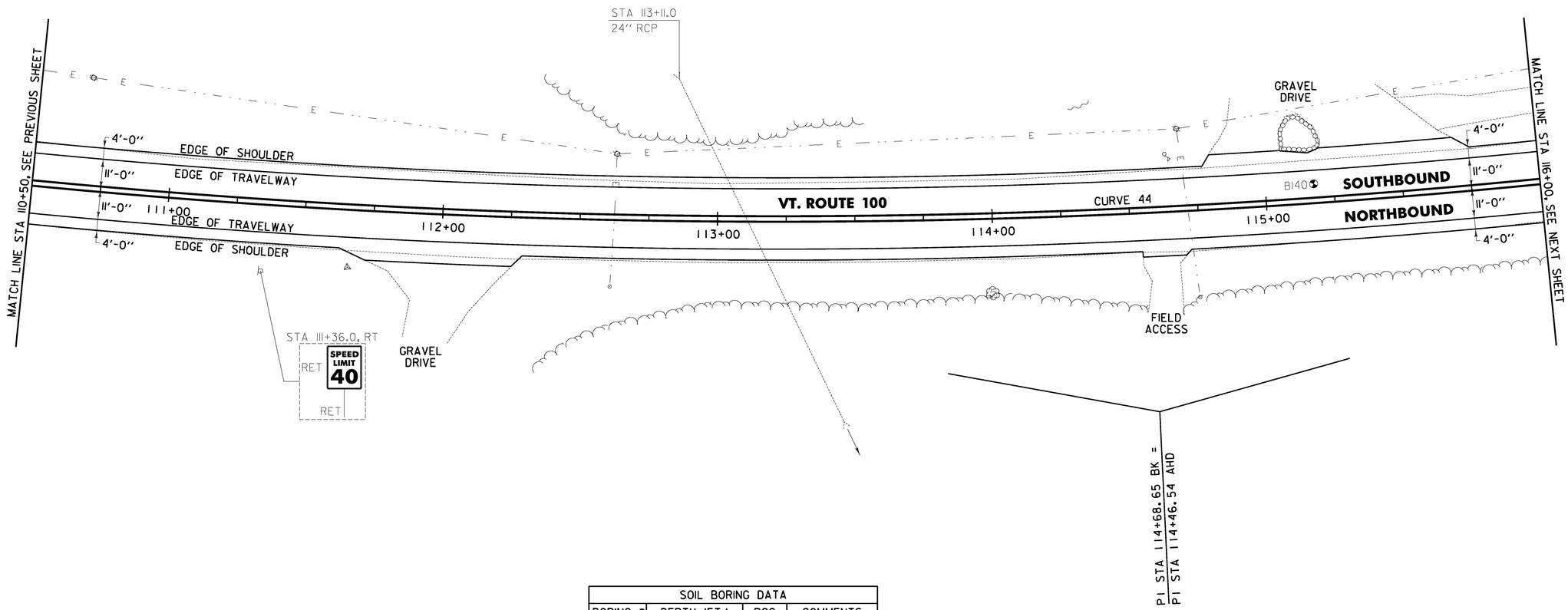
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 110+50.00 - STA 116+00.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 110+50.00 - STA 116+00.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 110+50.00 - STA 116+00.00	S	-	S



SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B140	5.0	NO	

CURVE 44
Δ = 25°51'57"
D = 2°01'41"
R = 2825.00'
T = 648.72'
L = 1275.33'
E = 73.53'
e = 0.028 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————————
Ⓣ = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

PROJECT LAYOUT SHEET #74

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048i74.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 100 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 116+00.00 - STA 121+50.00 LT & RT

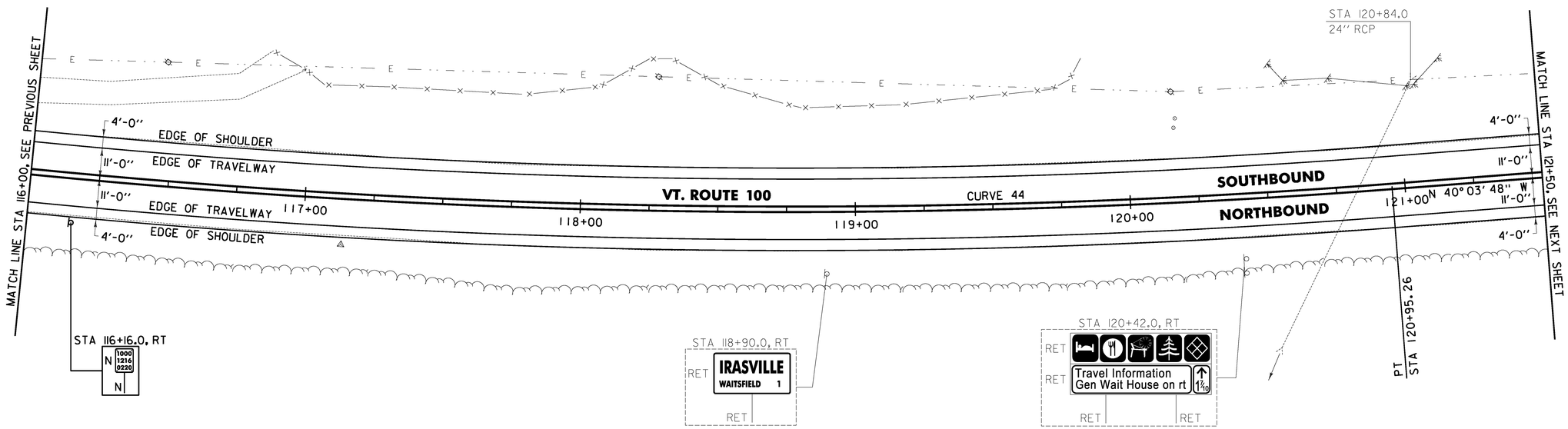
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 116+00.00 - STA 121+50.00	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 116+00.00 - STA 121+50.00 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 116+00.00 - STA 121+50.00	S	-	S



LEGEND

ITEM 613.10 STONE FILL, TYPE I

ITEM 653.20 TEMPORARY EROSION MATTING

0 20 40
SCALE IN FEET

NOTE:

1. APPROXIMATE WETLAND LOCATION FROM STA 116+00 TO STA 121+50 LT.

CURVE 44
Δ = 25°51'57"
D = 2°01'41"
R = 2825.00'
T = 648.72'
L = 1275.33'
E = 73.53'
e = 0.028 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
Ⓘ = RETURN TO THE TOWN OF WAITSFIELD

PROJECT LAYOUT SHEET #75

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048175.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 101 OF 310

FILE NAME = U:\17762\CADD\WSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 121+50.00 - STA 125+66.40 LT & RT

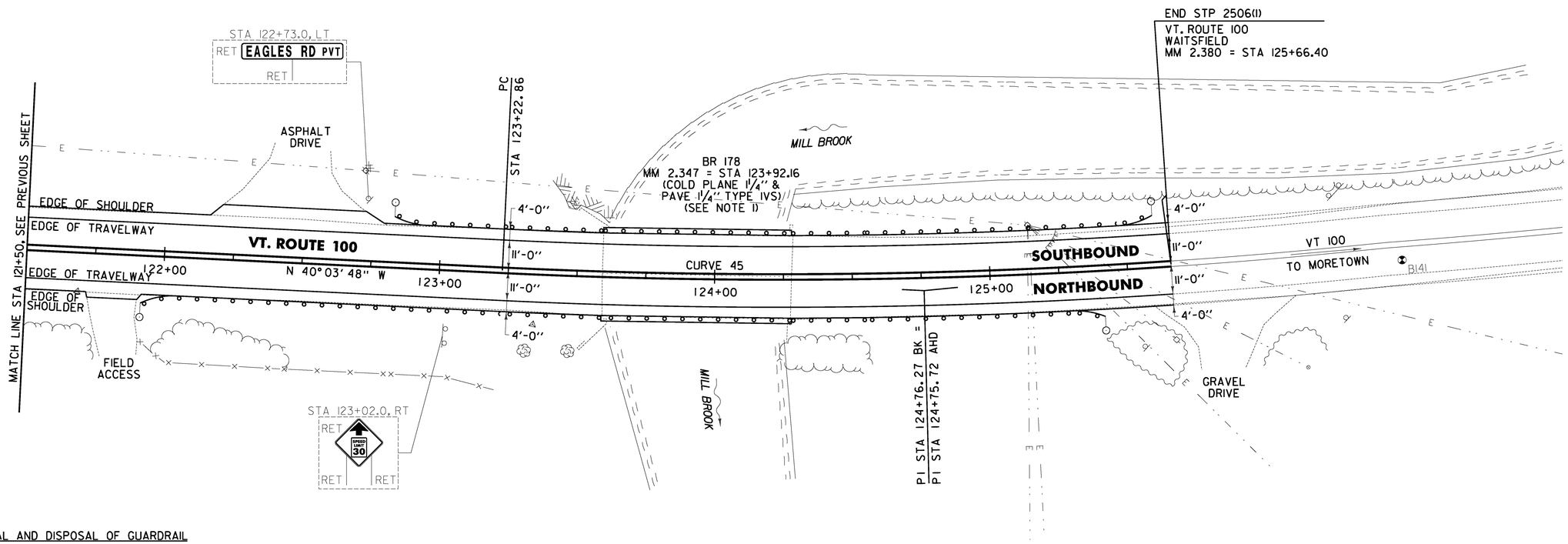
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 121+50.00 - STA 125+66.40	S	-	S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR TOWN HIGHWAYS)
WAITSFIELD:
STA 121+50.00 - STA 125+66.40 LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA 121+50.00 - STA 125+66.40	S	-	S



621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
WAITSFIELD:
STA 122+17.0 - STA 123+59.0 RT (142.0 LF)
STA 123+15.2 - STA 123+60.2 LT (45.0 LF)
STA 124+27.8 - STA 125+20.8 RT (93.0 LF)
STA 124+29.0 - STA 125+52.0 LT (123.0 LF)

676.10 DELINEATOR WITH STEEL POST
WAITSFIELD:
STA 121+95.7 RT
STA 122+86.9 LT
STA 125+37.1RT
STA 125+74.3 LT

900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM)
WAITSFIELD:
STA 123+26.7 - STA 123+59.0 RT (1 EA)
STA 123+27.9 - STA 123+60.2 LT (1 EA)
STA 124+27.8 - STA 124+60.1 RT (1 EA)
STA 124+29.0 - STA 124+61.3 LT (1 EA)

900.640 SPECIAL PROVISION (BOX BEAM GUARDRAIL W/7 FEET POSTS)
WAITSFIELD:
STA 121+95.7 - STA 123+26.7 RT (131.0 LF)
STA 122+86.9 - STA 123+27.9 LT (41.0 LF)
STA 124+60.1 - STA 125+37.1RT (77.0 LF)
STA 124+61.3 - STA 125+74.3 LT (113.0 LF)

SOIL BORING DATA			
BORING #	DEPTH (FT.)	PCC	COMMENTS
B141	5.0	NO	

CURVE 45
△ = 8°21'23"
D = 2°43'42"
R = 2100.00'
T = 153.41'
L = 306.28'
E = 5.60'
e = 0.035 FT/FT

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = ----------
NEW = ————
① = RETURN TO THE TOWN OF WAITSFIELD

0 20 40
SCALE IN FEET

NOTES:
1. SEE SHEET 310 FOR BR 178 DETAILS.
2. APPROXIMATE WETLAND LOCATION FROM STA 121+50 TO STA 122+00 LT.

PROJECT LAYOUT SHEET #76

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048176.i	SHEET 102 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGNS REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
WARREN: 52+80.0, LT	1000 1217 0100	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
59+07.0, LT		1	30	30	6.25						1					X		X															SIGN ID CODE W1-5R SIGN SHALL BE FLUORESCENT YELLOW	X		
	NEXT 2 MILES	1	24	18	3.00																												SIGN ID CODE W7-3aP SIGN SHALL BE FLUORESCENT YELLOW	X		
63+36.0, RT	1000 1217 0120	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
68+20.0, LT	Stetson Hollow Rd Stetson Hollow Rd	1 1	72 72	12 12	6.00 6.00						2					X		X															BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		113 113	
68+29.0, LT	1000 1217 0130	1	6	10	0.42				1																								NEW SIGN TO BE MOUNTED ON EXISTING POST. SIGN ID CODE VD-700			E-138
73+92.0, RT	1000 1217 0140	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
81+89.0, RT	Charlie Ashley Rd Charlie Ashley Rd		72 72	12 12	6.00 6.00						2					X		X															BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		113 113	
82+65.0, RT	STOP 1000 1217 0157	1	6	10	0.42		1				1					X		X															BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
												LF	LF	LF	LF 42	LF 84	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 35.35	SF	EA. 1	SF				LF			LF 126					LB			EA.	LB				EA.	EA.	LB						

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tssl.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 103 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4885

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	SQUARE STEEL (in) lb/ft 2.0 2.42	SQUARE STEEL (in) lb/ft 2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WARREN: 86+50.0, LT							1				1					X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST.			
95+04.0, LT	1000 1217 0180	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
105+60.0, RT	1000 1217 0200	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
116+16.0, LT	1000 1217 0220	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
118+48.0, RT	XX MPH	1	18	18	2.25				1																									NEW SIGN TO BE MOUNTED ON EXISTING POST. SIGN ID CODE W13-1P SIGN SHALL BE FLUORESCENT YELLOW	X		
126+72.0, RT	1000 1217 0240	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
134+25.0, LT		1	30	30	6.25						1					X		X																SIGN ID CODE W1-4L SIGN SHALL BE FLUORESCENT YELLOW	X		
	XX MPH	1	18	18	2.25																													SIGN ID CODE W13-1P SIGN SHALL BE FLUORESCENT YELLOW	X		
137+28.0, LT	1000 1217 0260	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
												LF	LF	LF	LF 70	LF 28	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 12.85	SF	EA. 1	SF				LF			LF 98					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss2.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 104 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4885

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 3

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75	SQUARE STEEL (in) lb/ft 2.0	SQUARE STEEL (in) lb/ft 2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0	TUBULAR STEEL Ø (in) lb/ft 3.5	TUBULAR STEEL Ø (in) lb/ft 4.0	TUBULAR STEEL Ø (in) lb/ft 5.0	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	REQUIRED SIGNS	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WARREN: 147+84.0, RT	1000 1217 0280	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
158+40.0, LT	1000 1217 0300	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
168+96.0, RT	1000 1217 0320	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
175+11.0, RT	Main St STOP 1000 1217 0331	1	36	12	3.00																												DOUBLE SIDED SIGN, SIGN ID CODE D3-1. 12" TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGN ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		113	
		1	6	10	0.42		1				1					X		X															BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
176+58.0, LT	Bobbin Mill Rd Bobbin Mill Rd	1 1	60 60	12 12	5.00 5.00						2					X		X															BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		113 113	
176+66.0, LT	STOP 1000 1217 0336	1	6	10	0.42		1				1					X		X															BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
181+22.0, LT	Lincoln Gap Rd Lincoln Gap Rd	1 1	60 60	12 12	5.00 5.00						2					X		X															BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		113 113	
181+32.0, LT	STOP 1000 1217 0345	1	6	10	0.42		1				2					X		X															BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POSTS. SIGN ID CODE VD-700	-	-	- E-138
												LF	LF	LF	LF 42	LF 112	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 25.52	SF	EA. 3	SF				LF			LF 154					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss3.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 105 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	SQUARE STEEL (in) lb/ft 2.0 2.42	SQUARE STEEL (in) lb/ft 2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGNS REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WARREN: 182+06.0, LT		1	36	36	3.90						1					X		X																SIGN ID CODE RI-2	X		
186+70.0, RT	STOP 1000 1217 0353	1	6	10	0.42		1				1					X		X																BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
187+20.0, RT	Covered Bridge Rd Covered Bridge Rd	1 1	72 72	12 12	6.00 6.00						2					X		X																BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		113 113	
189+68.0, LT	1000 1217 0360	1	6	10	0.42				1																								SIGN ID CODE VD-700 NEW SIGN TO BE MOUNTED ON EXISTING POST			E-138
200+64.0, RT	1000 1217 0380	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
211+20.0, LT	1000 1217 0400	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
217+25.0, LT	Vaughn Brown Rd Vaughn Brown Rd	1 1	72 72	12 12	6.00 6.00						2					X		X																BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		113 113	
217+37.0, LT	STOP 1000 1217 0412	1	6	10	0.42		1				1					X		X																BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
												LF	LF	LF	LF 28	LF 98	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 30.00	SF	EA. 2	SF				LF			LF 126					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss4.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 106 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 5

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	SQUARE STEEL (in) lb/ft 2.0 2.42	SQUARE STEEL (in) lb/ft 2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	REFLECTORIZED SIGNS	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WARREN: 220+95.0, LT	West Hill Rd / STOP / 1000 1217 0419	1	42	12	3.50																													DOUBLE SIDED SIGN, SIGN ID CODE D3-1. 12" TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGN ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		114	
		1	6	10	0.42		1				1					X		X																BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
221+75.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS						1				1					X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-	-
232+92.0, LT	Ellen Ln / STOP / 1000 1217 0443	1	36	12	3.00																													DOUBLE SIDED SIGN, SIGN ID CODE D3-1. 12" TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGN ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		114	
		1	6	10	0.42		1				1					X		X																BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
242+88.0, RT	1000 1217 0460	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
253+44.0, LT	1000 1217 0480	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
264+00.0, RT	1000 1217 0500	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
274+56.0, LT	1000 1217 0520	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
283+06.0, LT	Powderhound Rd / Powderhound Rd	1 1	72 72	12 12	6.00 6.00						2					X		X																BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		114 114	
												LF	LF	LF	LF 56	LF 70	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
				TOTALS	SF 21.02	SF	EA. 3	SF				LF			LF 126					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss5.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 107 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 6

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	SQUARE STEEL (in) lb/ft 2.0 2.42	SQUARE STEEL (in) lb/ft 2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WARREN: 283+18.0, LT	STOP 1000 1217 0537	1	6	10	0.42		1				1					X		X																BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
294+44.0, LT	Powderhound Rd Powderhound Rd	1 1	72 72	12 12	6.00 6.00						2					X		X																BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		114 114	
294+50.0, LT	STOP 1000 1217 0559	1	6	10	0.42		1				1					X		X																BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POSTS. SIGN ID CODE VD-700	-	-	- E-138
294+56.0, LT	LEGAL LOAD LIMIT 24,000 POUNDS						1				1					X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-	-
296+62.0, LT	Sugarbush Access Rd Sugarbush Access Rd	1 1	72 72	12 12	6.00 6.00						2					X		X																BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		114 114	
296+79.0, LT	STOP 1000 1217 0562	1 1	30 6	30 10	6.25 0.42						1					X		X																BACK-TO-BACK SIGN ID CODE R1-1 SIGN ID CODE VD-700	X		E-138
304+13.0, RT	XX MPH	1	18	18	2.25				1																									NEW SIGN TO BE MOUNTED ON EXISTING POST. SIGN ID CODE W13-1P	X		
306+24.0, RT	1000 1217 0580	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
												LF	LF	LF	LF 14	LF 112	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 34.18	SF	EA. 3	SF				LF			LF 126					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #6

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss6.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 108 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 7

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	SQUARE STEEL (in) lb/ft 2.0 2.42	SQUARE STEEL (in) lb/ft 2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WARREN: 315+50.0, LT							1				1					X		X																SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-	-
	SHARE THE ROAD						1																											SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-	-
316+74.0, LT	XX MPH	1	18	18	2.25				1																									NEW SIGN TO BE MOUNTED ON EXISTING POST. SIGN ID CODE W13-1P	X		
327+36.0, LT	1000 1217 0620	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
M 1+30.5, LT	Main St STOP 1000 1217 0415	1	36	12	3.00																													DOUBLE SIDED SIGN, SIGN ID CODE D3-1. 12" TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGN ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		114	
		1 1	30 6	30 10	6.25 0.42						1					X		X															SIGN ID CODE R1-1 SIGN ID CODE VD-700	X		E-141 E-138
M 2+33.0, LT	SOUTH NORTH	1 1	24 24	12 12	2.00 2.00						2					X		X														X	SIGN ID CODE M3-3 SIGN ID CODE M3-1			E-136B E-136B
	VERMONT 100 VERMONT 100	1 1	30 30	24 24	5.00 5.00																												SIGN ID CODE M1-5 SIGN ID CODE M1-5			E-136B E-136B
	← →	1 1	21 21	15 15	2.19 2.19																												SIGN ID CODE M6-1L SIGN ID CODE M6-1R			E-136B E-136B
M 2+54.0, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X																SIGN ID CODE VR-017			E-141
	NOTICE						1																											SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-	-
												LF	LF	LF	LF 14	LF 70	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 35.72	SF	EA. 3	SF				LF			LF 84					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #7

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss7.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 109 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 8

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGNS REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
WARREN: M 3+10.0, RT	SPEED LIMIT 25	1	24	30	5.00						1					X		X															SIGN ID CODE R2-1	X		
WAITSFIELD: 10+56.0, LT	1000 1216 0020	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
17+43.0, LT	Butternut Hill Rd Butternut Hill Rd	1 1	66 66	12 12	5.50 5.50						2					X		X															BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		114 114	
17+50.0, LT	STOP 1000 1216 0034	1	6	10	0.42		1				1					X		X															BACK TO BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700			E-138
21+48.0, RT	Bundy Rd STOP 1000 1216 0040	1	42	12	3.50																												DOUBLE SIDED SIGN, SIGN ID CODE D3-1. 12" TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGN ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		114	
		1	6	10	0.42		1				1					X		X															BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
31+68.0, LT	1000 1216 0060	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
35+06.0, RT	Rolston Rd STOP 1000 1216 0066	1	42	12	3.50																												DOUBLE SIDED SIGN, SIGN ID CODE D3-1. 12" TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGN ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		114	
		1	6	10	0.42		1				1					X		X															BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
42+24.0, LT	1000 1216 0080	1	6	10	0.42						1				X			X															SIGN ID CODE VD-700			E-138
												LF	LF	LF	LF 42	LF 84	LF		EA.	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 25.52	SF	EA. 3	SF				LF			LF 126					LB			EA.	LB				EA.	EA.	LB						

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #8

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss8.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 110 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4885

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 9

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	SQUARE STEEL (in) lb/ft 2.0 2.42	SQUARE STEEL (in) lb/ft 2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	REQUIRED SIGNS	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WAITSFIELD: 52+62.0, LT	Kingsbury Rd Kingsbury Rd	1 1	54 54	12 12	4.50 4.50						2					X		X																BACK-TO-BACK SIGN ID CODE D3-1 SIGN ID CODE D3-1		114 114	
52+75.0, LT	STOP 1000 1216 0100	1	6	10	0.42		1				1					X		X																BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
63+36.0, RT	1000 1216 0120	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
73+60.0, LT	1000 1216 0140	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
84+48.0, LT	1000 1216 0160	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
95+04.0, RT	1000 1216 0180	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
101+02.0, LT		1	12	36	3.00						1					X		X																SIGN ID CODE OM-3L	X		
104+80.0, LT	Lareau Rd STOP 1000 1216 0199	1	42	12	3.50																												DOUBLE SIDED SIGN, SIGN ID CODE D3-1. 12" TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGN ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		114	
		1	6	10	0.42		1				1					X		X															BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	-	- E-138
												LF	LF	LF	LF 56	LF 70	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 18.02	SF	EA. 2	SF				LF			LF 126					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #9

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss9.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 111 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4885

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 10

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	SQUARE STEEL (in) lb/ft 2.0 2.42	SQUARE STEEL (in) lb/ft 2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN REQUIRED	REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL DETAIL IN SHS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
WAITSFIELD: 116+16.0, RT	1000 1216 0220	1	6	10	0.42						1				X			X																SIGN ID CODE VD-700			E-138
	THIS SHEET SUBTOTAL				0.42		-								14																					
	SHEET 103 SUBTOTAL				35.35		1								42	84																				
	SHEET 104 SUBTOTAL				12.85		1								70	28																				
	SHEET 105 SUBTOTAL				25.52		3								42	112																				
	SHEET 106 SUBTOTAL				30.00		2								28	98																				
	SHEET 107 SUBTOTAL				21.02		3								56	70																				
	SHEET 108 SUBTOTAL				34.18		3								14	112																				
	SHEET 109 SUBTOTAL				35.72		3								14	70																				
	SHEET 110 SUBTOTAL				25.52		3								42	84																				
	SHEET 111 SUBTOTAL				18.02		2								56	70																				
	ROUNDING				0.40		-								22	22																				
												LF	LF	LF	LF 400	LF 750	LF	EA.	LB	LB	LB		LB	LB	LB	LB									
	TOTALS				SF 239.0	SF	EA. 21	SF				LF			LF 1150				LB			EA.	LB				EA.	EA.	LB						

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. PUST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

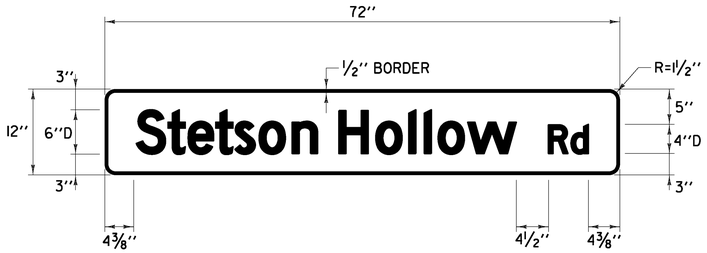
TRAFFIC SIGN SUMMARY SHEET #10

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tss10.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 112 OF 310

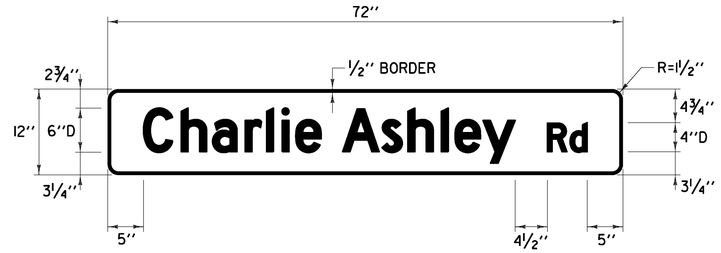
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

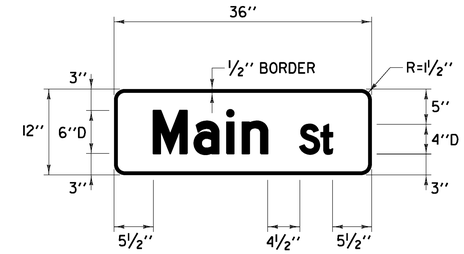
LOCATION: VT. ROUTE 100
WARREN:
STA 68+20.0, LT
STA 68+20.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

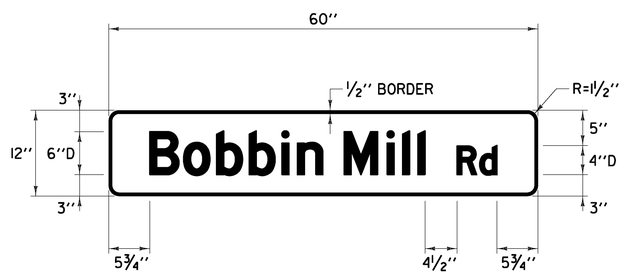
LOCATION: VT. ROUTE 100
WARREN:
STA 81+89.0, RT
STA 81+89.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

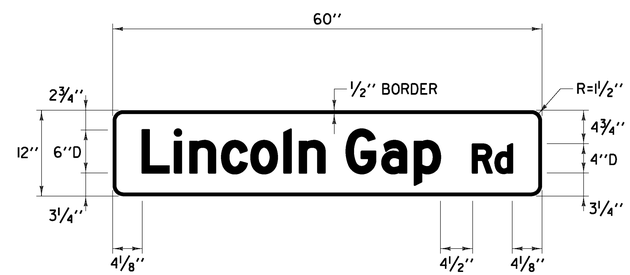
LOCATION: VT. ROUTE 100
WARREN:
STA 175+11.0, RT - DOUBLE SIDED
STA M 1+30.5, LT - DOUBLE SIDED



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

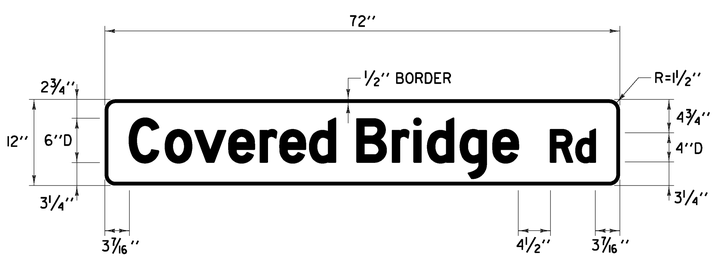
LOCATION: VT. ROUTE 100
WARREN:
STA 176+58.0, LT
STA 176+58.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

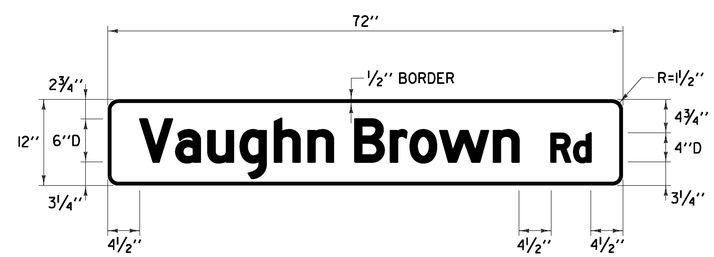
LOCATION: VT. ROUTE 100
WARREN:
STA 181+22.0, LT
STA 181+22.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

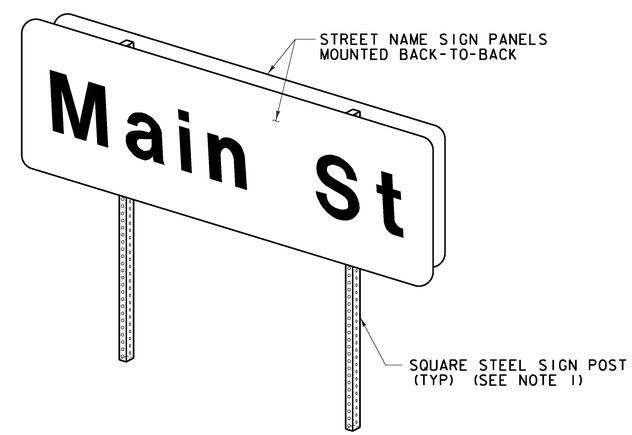
LOCATION: VT. ROUTE 100
WARREN:
STA 187+20.0, RT
STA 187+20.0, RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

LOCATION: VT. ROUTE 100
WARREN:
STA 217+25.0, LT
STA 217+25.0, LT



TWO POST STREET NAME SIGN INSTALLATION FOR STREET NAME >42''

NOTES:

1. SEE VTRANS STD E-164 FOR SQUARE STEEL SIGN POST DETAILS & POST SPACING REQUIREMENTS.
2. ALL STREET NAME SIGNS SHALL BE 1/8'' SHEET ALUMINUM.

NOT TO SCALE

TRAFFIC SIGN DETAIL SHEET #1

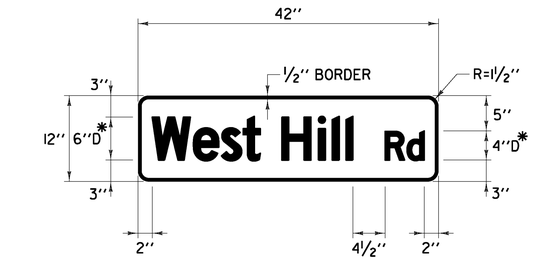
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tsd1.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 113 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

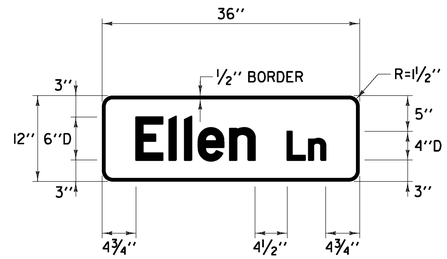


COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

LOCATION: VT. ROUTE 100
WARREN:
STA 220+95.0, LT - DOUBLE SIDED

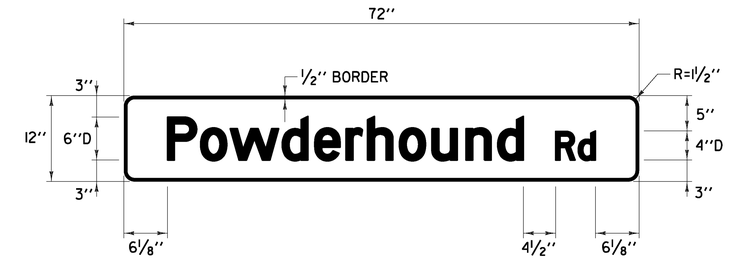
* SPACING REDUCED TO 80% OF STANDARD



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

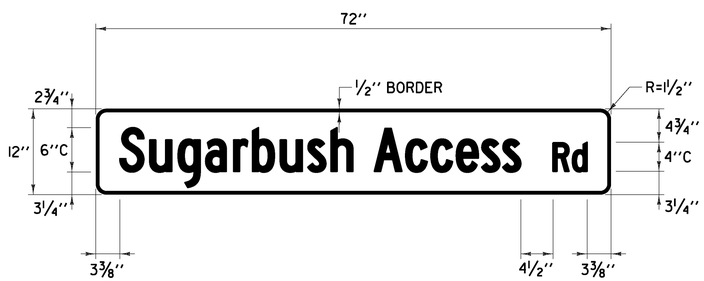
LOCATION: VT. ROUTE 100
WARREN:
STA 232+92.0, LT - DOUBLE SIDED



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

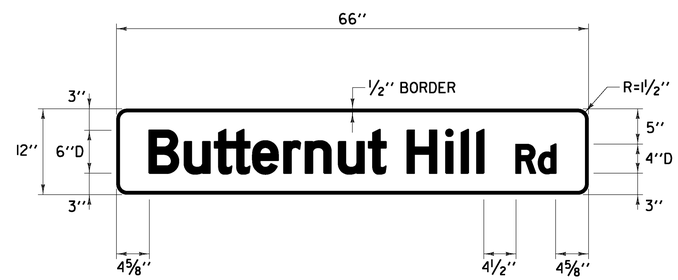
LOCATION: VT. ROUTE 100
WARREN:
STA 283+06.0, LT
STA 283+06.0, LT
STA 294+44.0, LT
STA 294+44.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

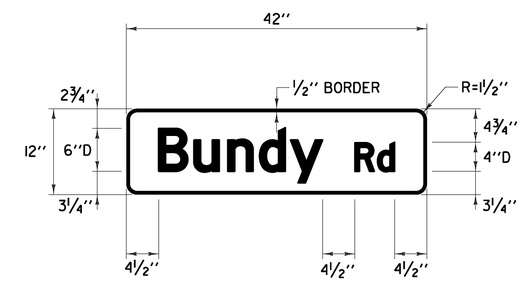
LOCATION: VT. ROUTE 100
WARREN:
STA 296+62.0, LT
STA 296+62.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

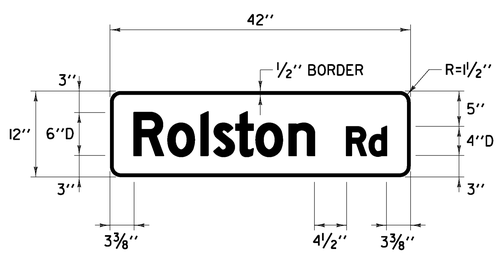
LOCATION: VT. ROUTE 100
WAITSFIELD:
STA 17+43.0, LT
STA 17+43.0, LT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

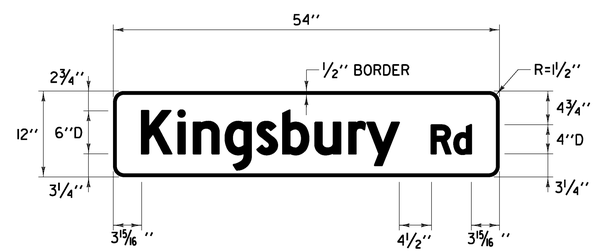
LOCATION: VT. ROUTE 100
WAITSFIELD:
STA 21+48.0, RT - DOUBLE SIDED



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

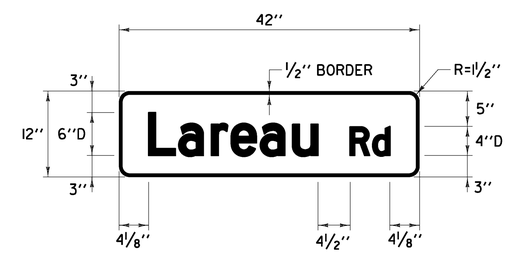
LOCATION: VT. ROUTE 100
WAITSFIELD:
STA 35+06.0, RT - DOUBLE SIDED



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VTRANS STANDARD E-123

LOCATION: VT. ROUTE 100
WAITSFIELD:
STA 52+62.0, LT
STA 52+62.0, LT



WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

PER VTRANS STANDARD E-123

VT. ROUTE 100
WAITSFIELD:
STA 104+80.0, LT - DOUBLE SIDED

NOTES:

1. SEE VTRANS STD E-164 FOR SQUARE STEEL SIGN POST DETAILS & POST SPACING REQUIREMENTS.
2. ALL STREET NAME SIGNS SHALL BE 1/8'' SHEET ALUMINUM.

NOT TO SCALE

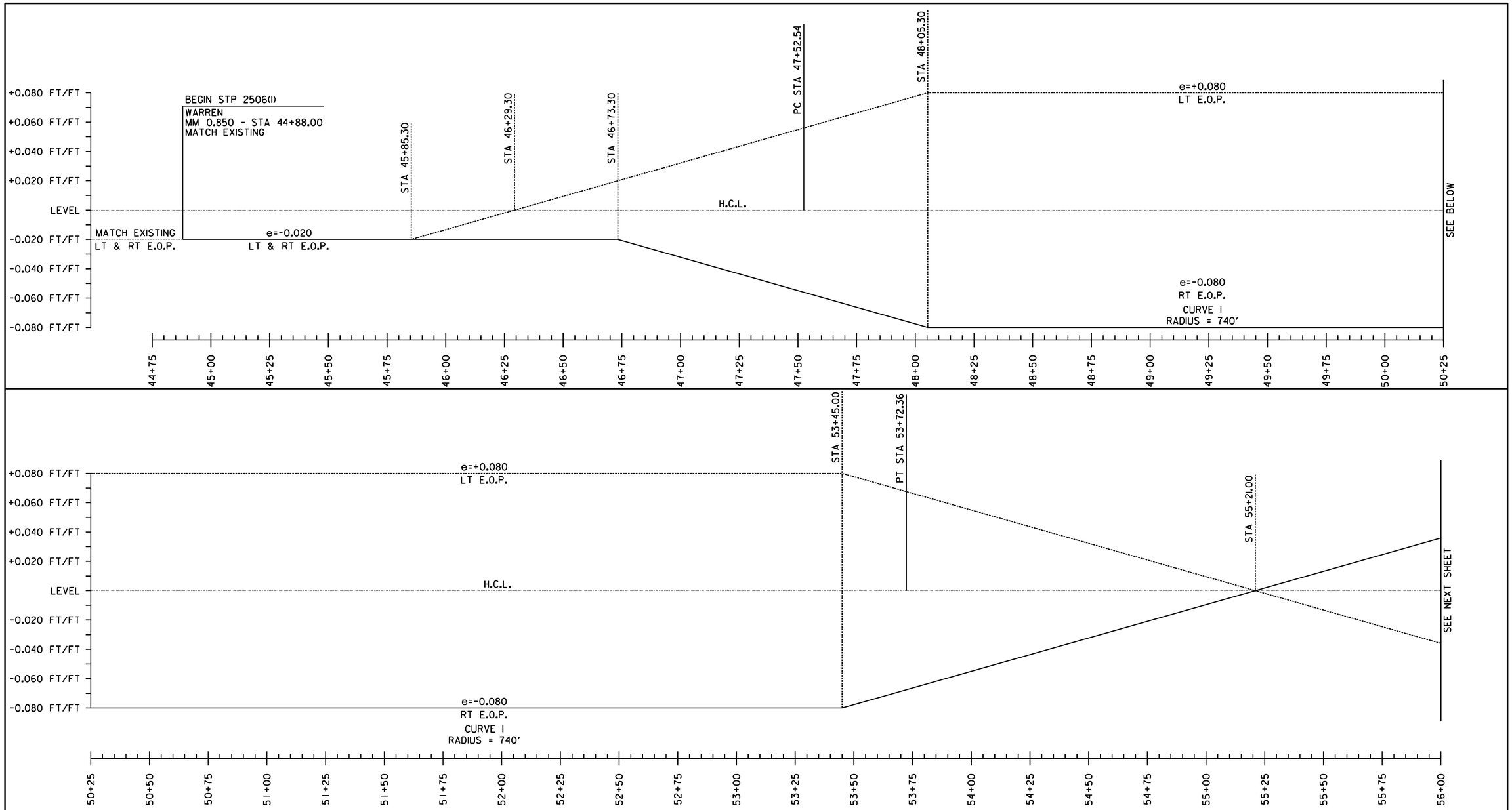
TRAFFIC SIGN DETAIL SHEET #2

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048tsd2.i	SHEET 114 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #1

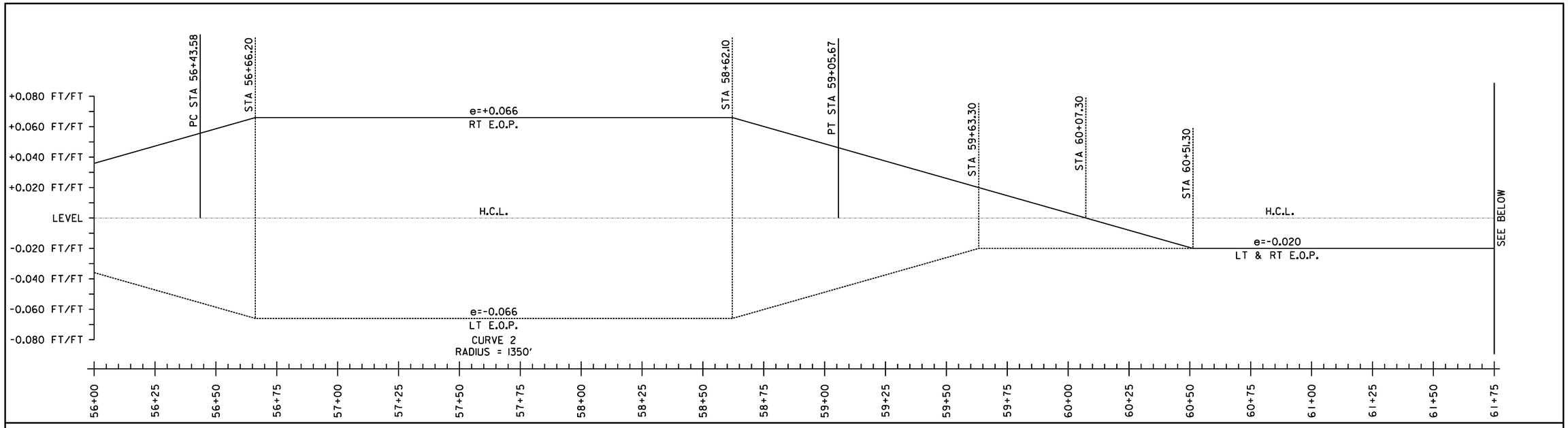
PROJECT NAME: WARREN - WAITSFIELD

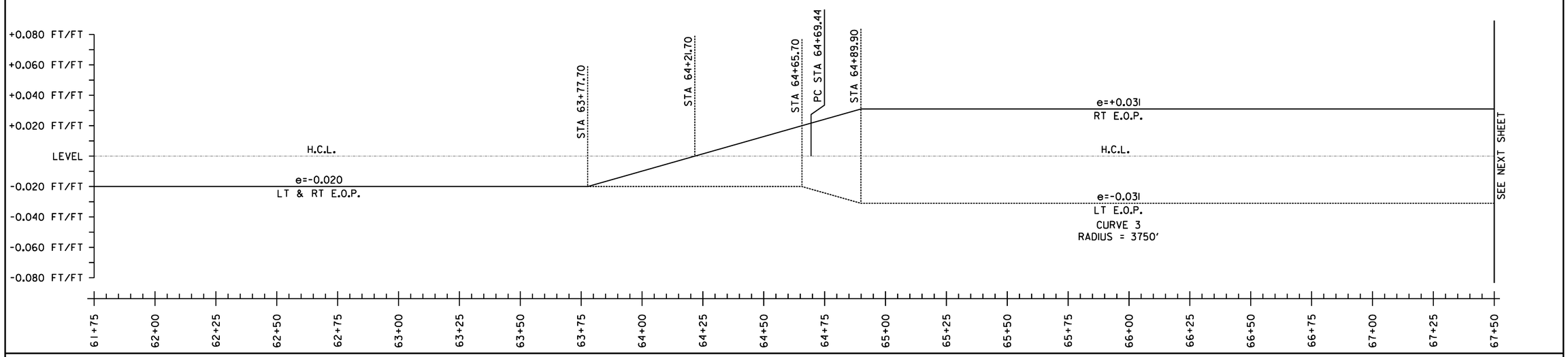
PROJECT NUMBER: STP 2506(I)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd01.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 115 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886





SUPERELEVATION BANKING NOTES:

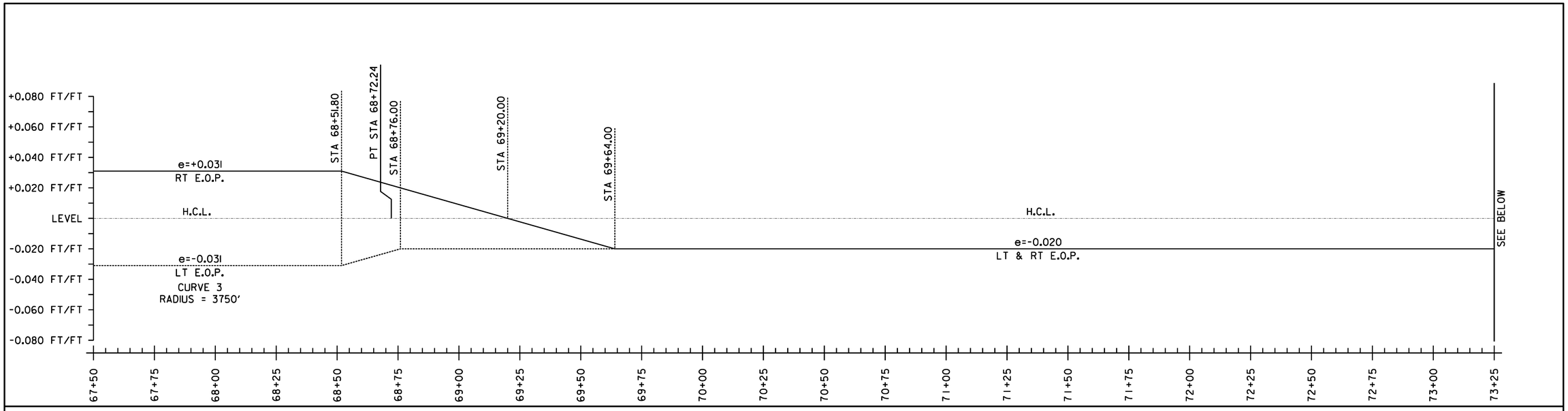
1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

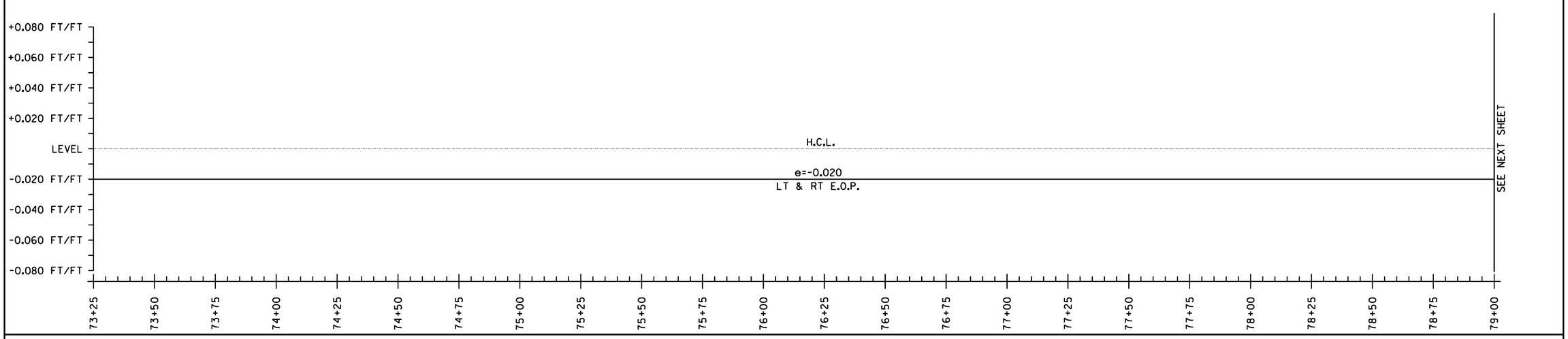
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #2	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p05b048sbd02.i	PLOT DATE: 12/20/2012 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 116 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #3

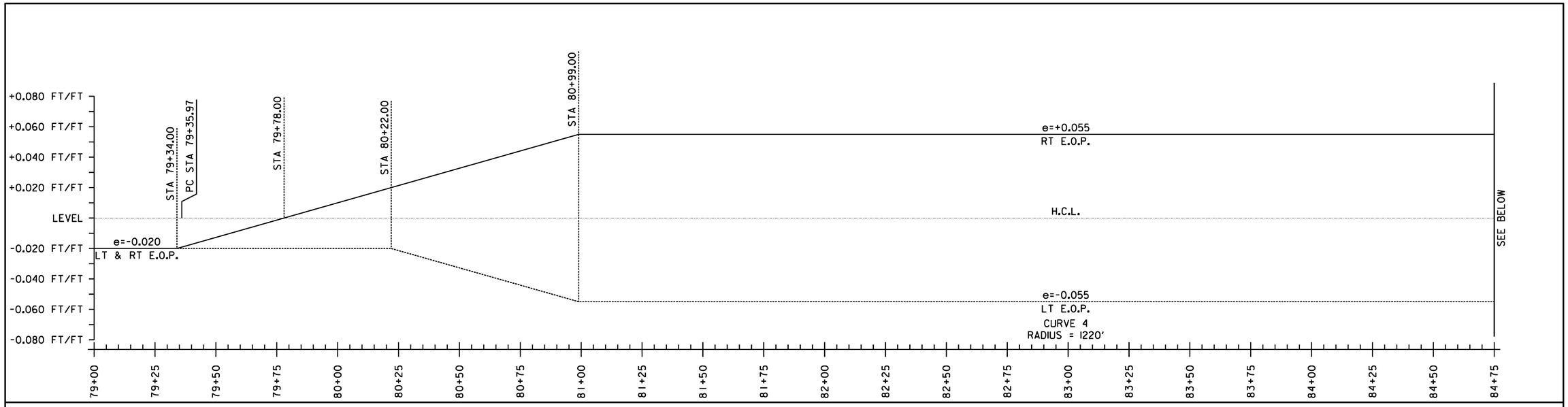
PROJECT NAME: WARREN - WAITSFIELD

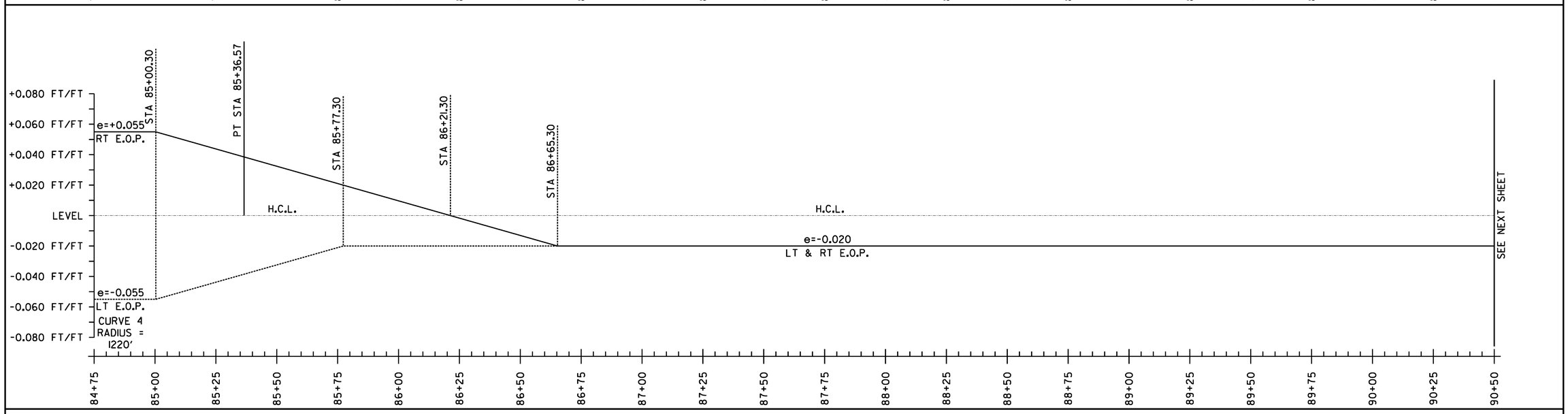
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd03.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 117 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

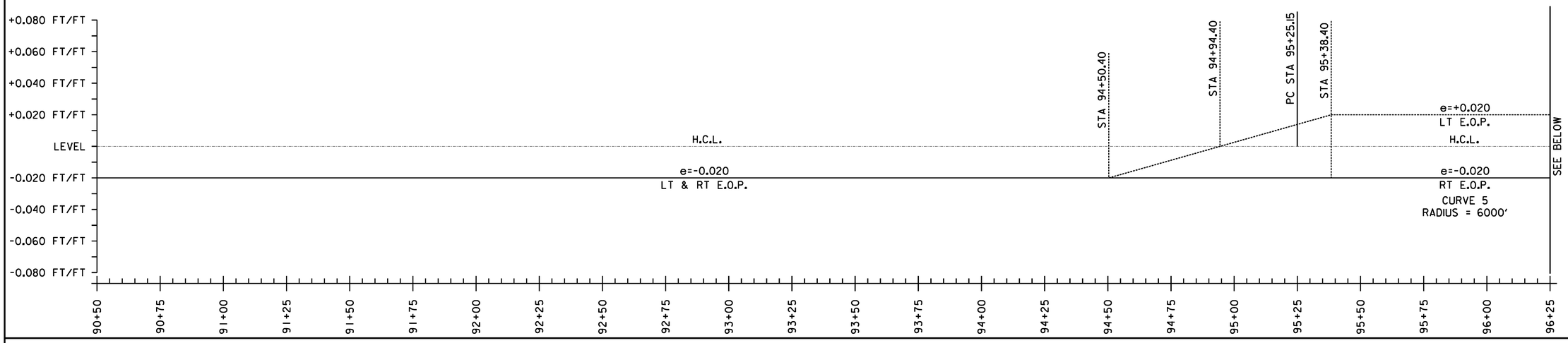
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

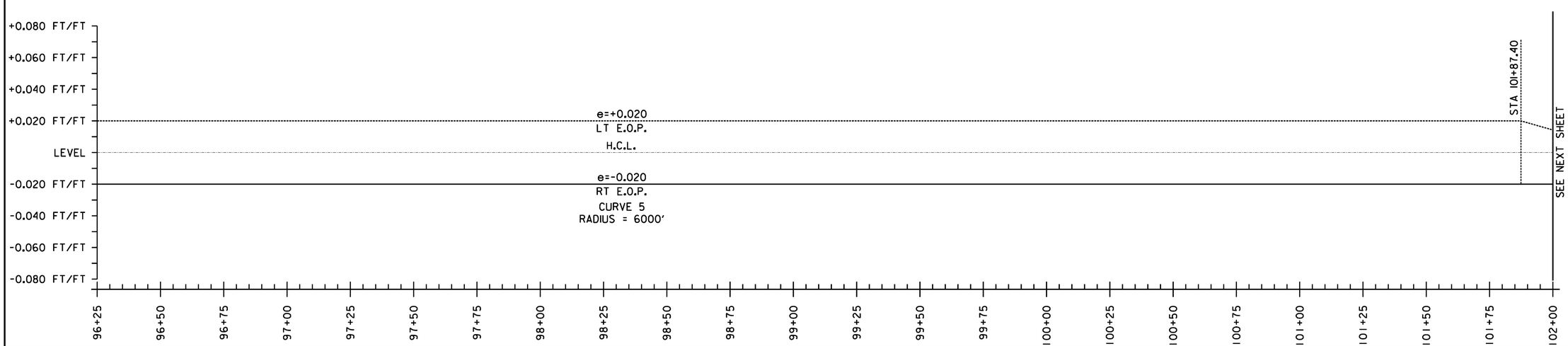
NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #4

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd04.i	SHEET 118 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #5

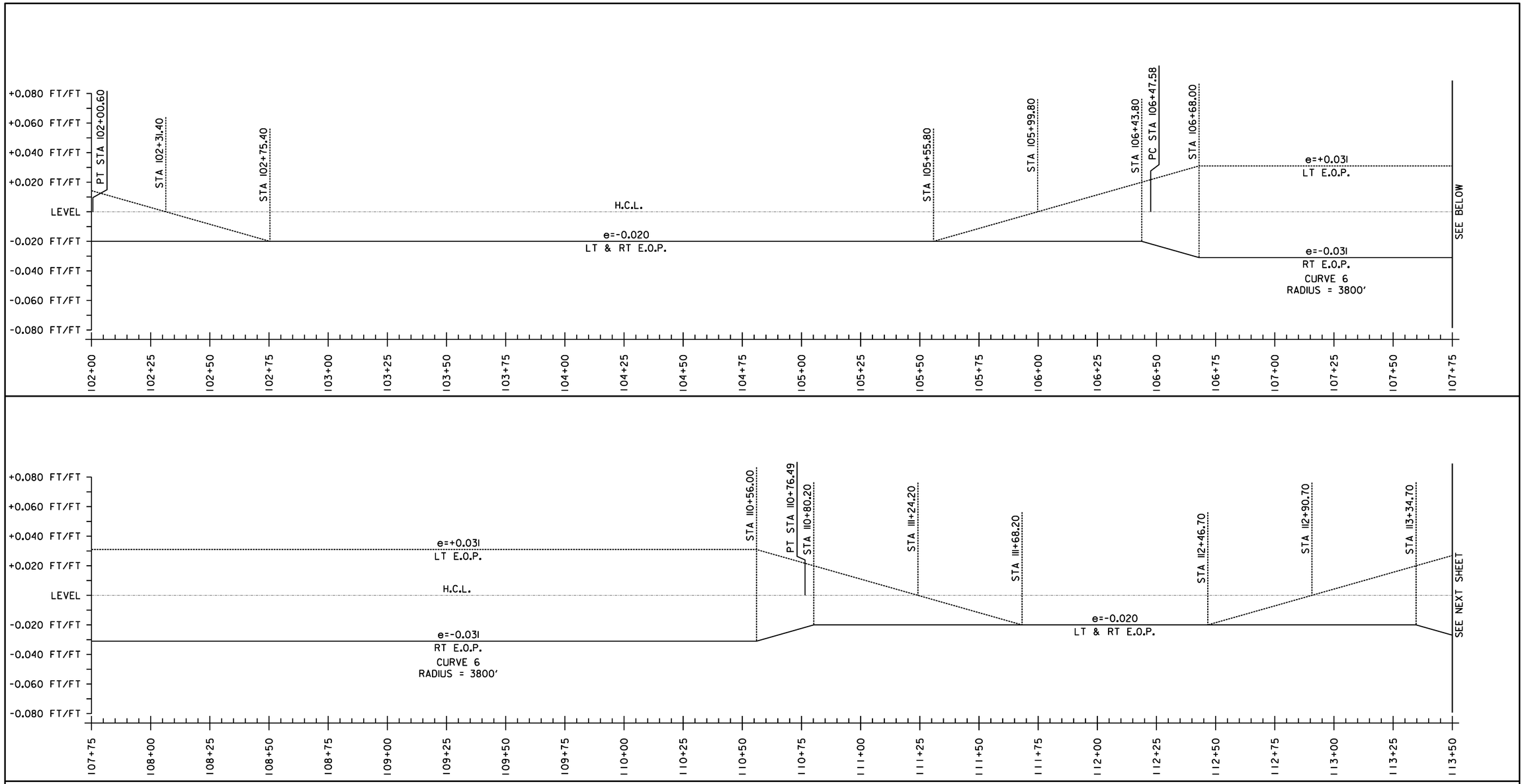
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd05.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 119 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #6

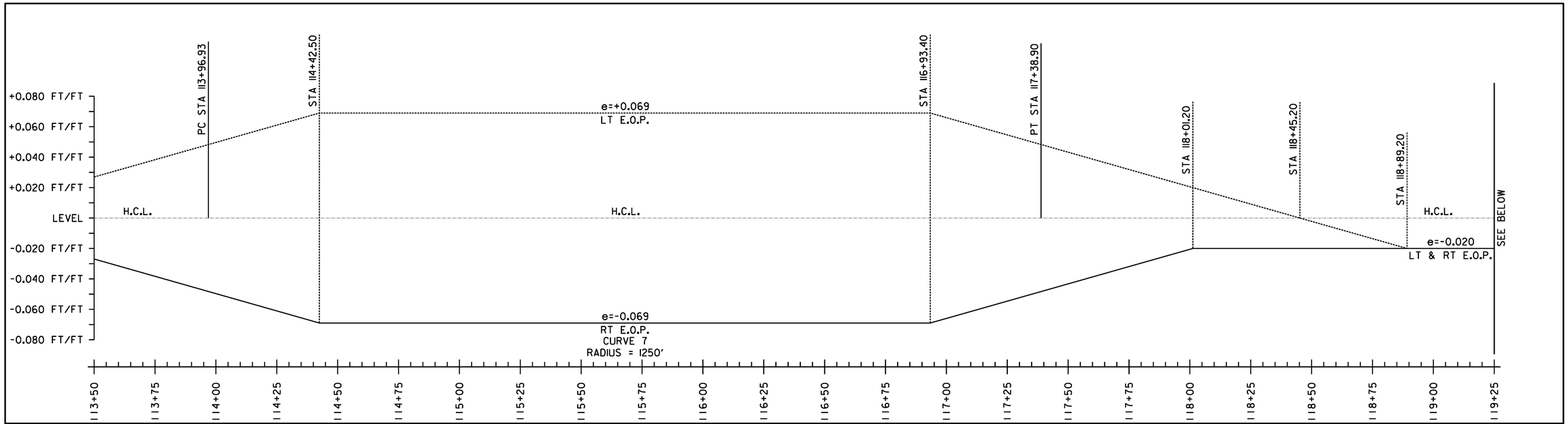
PROJECT NAME: WARREN - WAITSFIELD

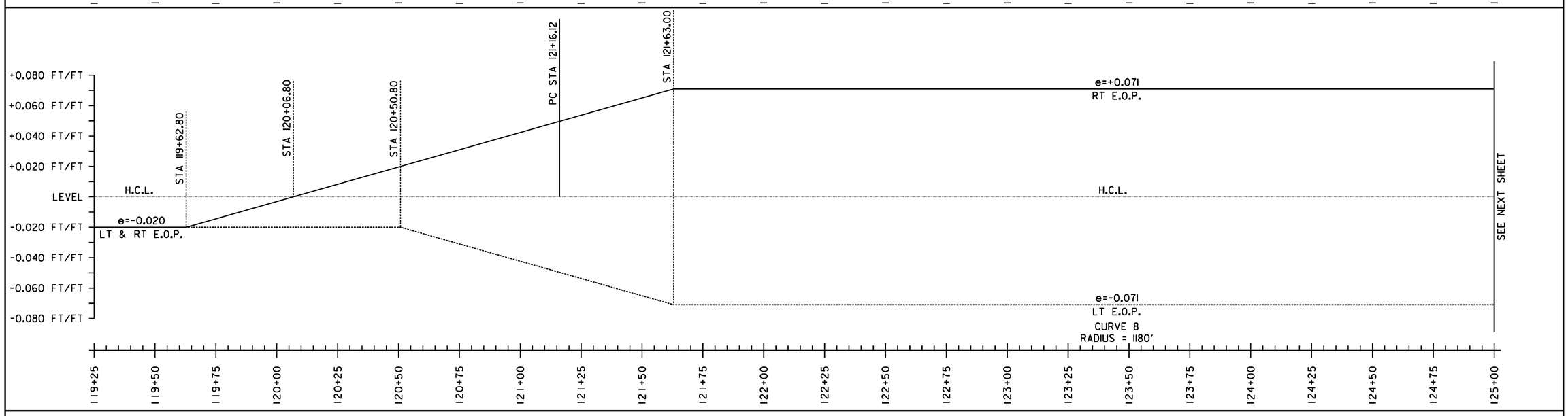
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd06.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 120 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

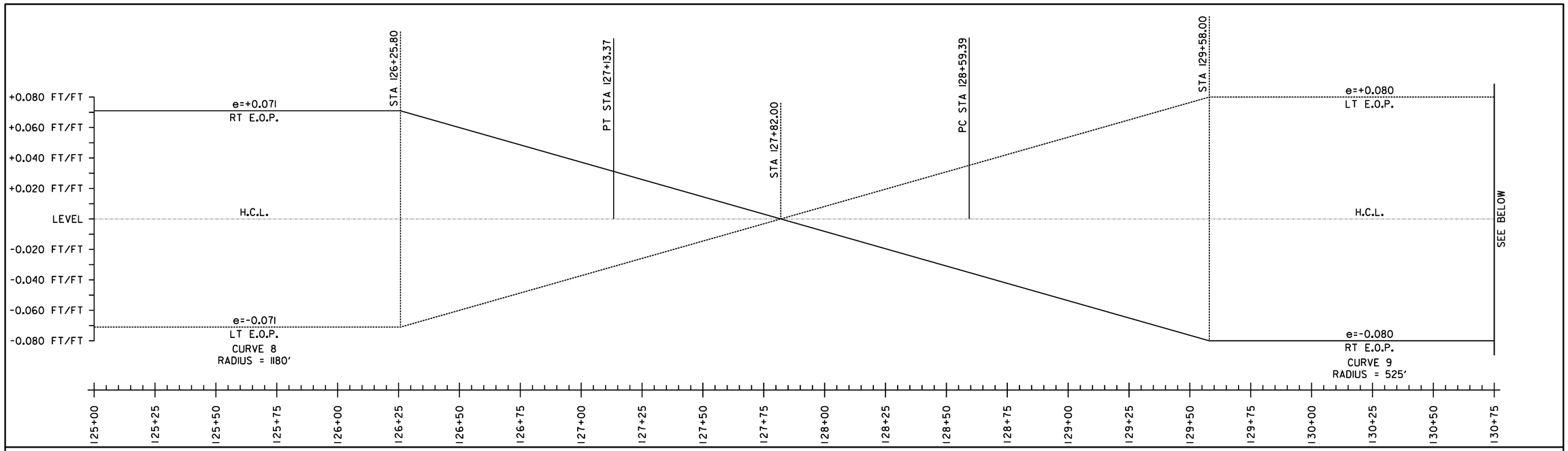
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

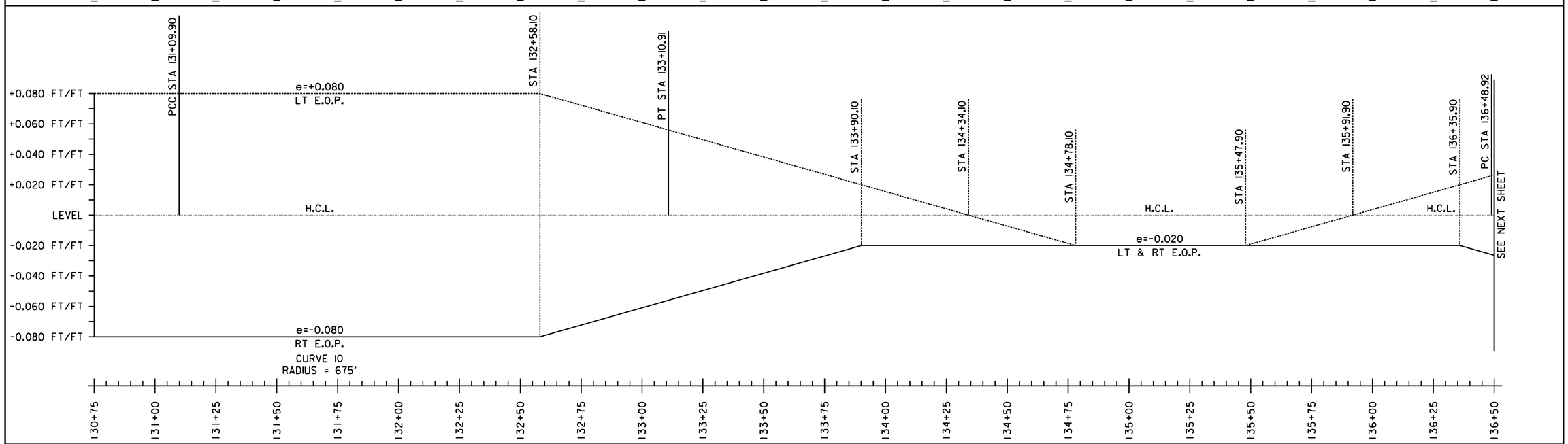
NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #7

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd07.i	SHEET 121 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #8

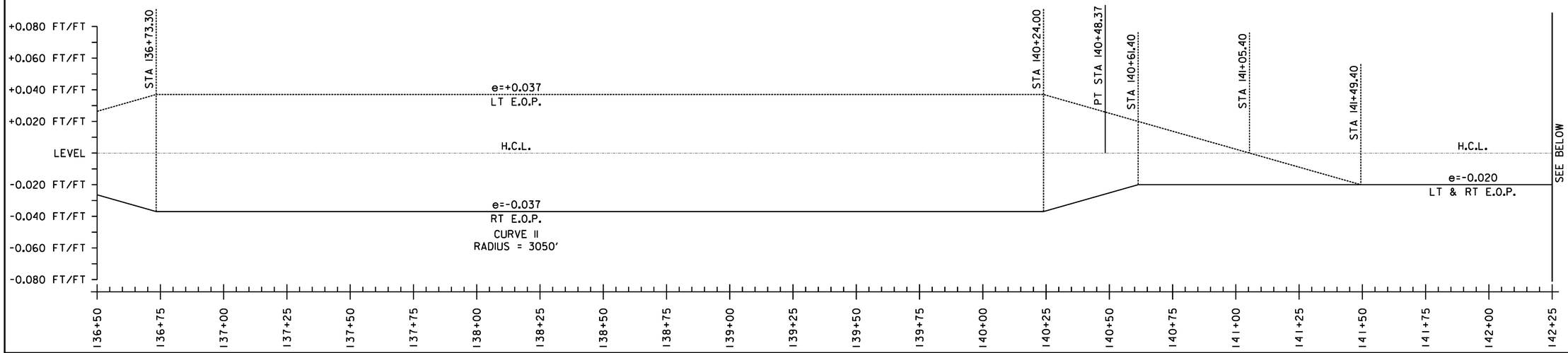
PROJECT NAME: WARREN - WAITSFIELD

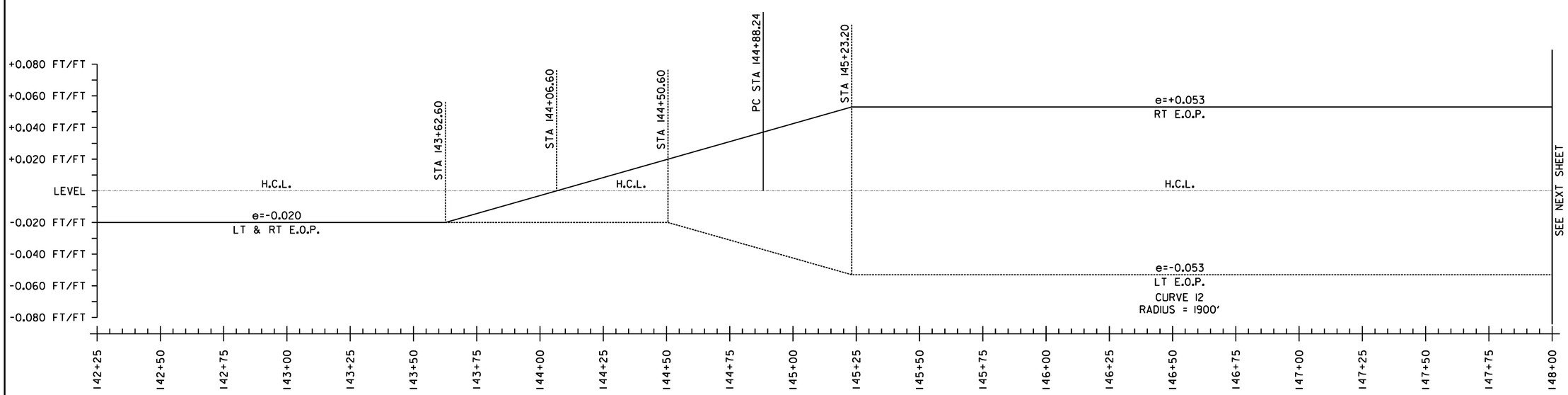
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd08.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 122 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

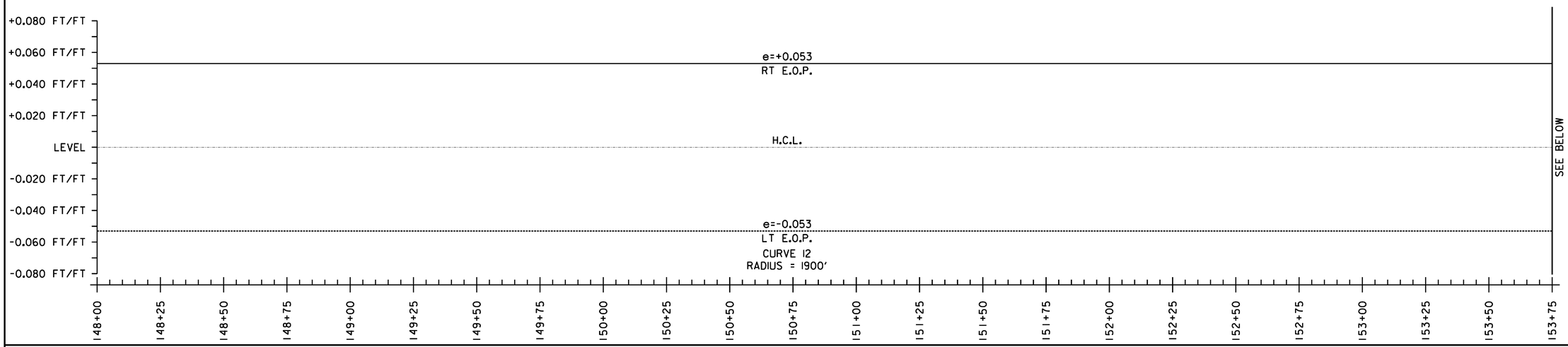
SUPERELEVATION DIAGRAMS SHEET #9

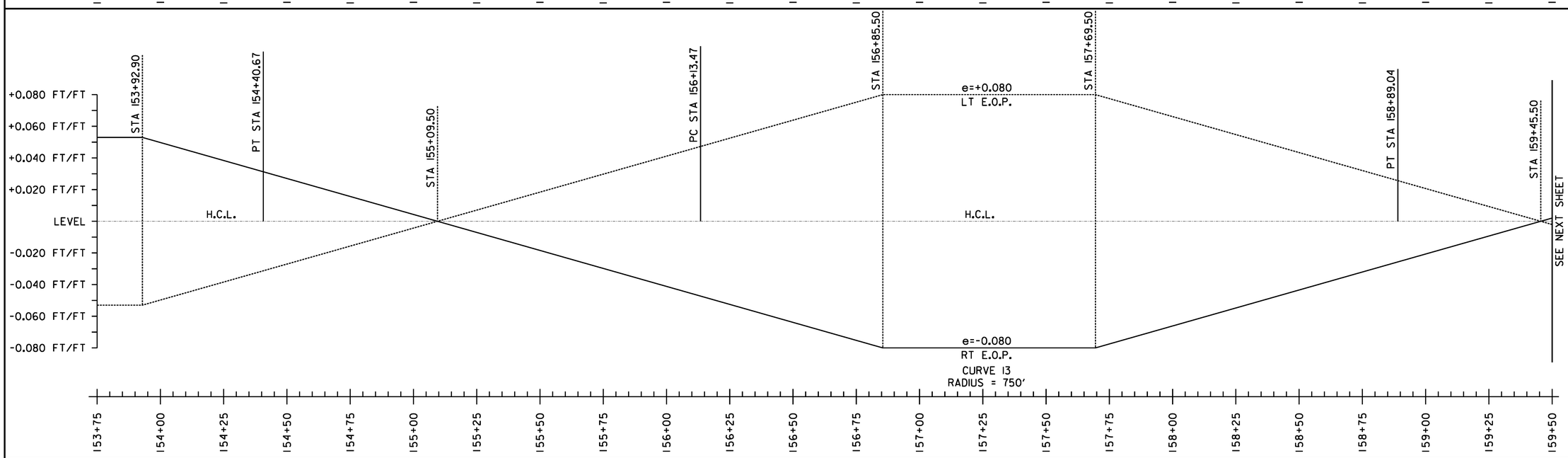
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd09.i	SHEET 123 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

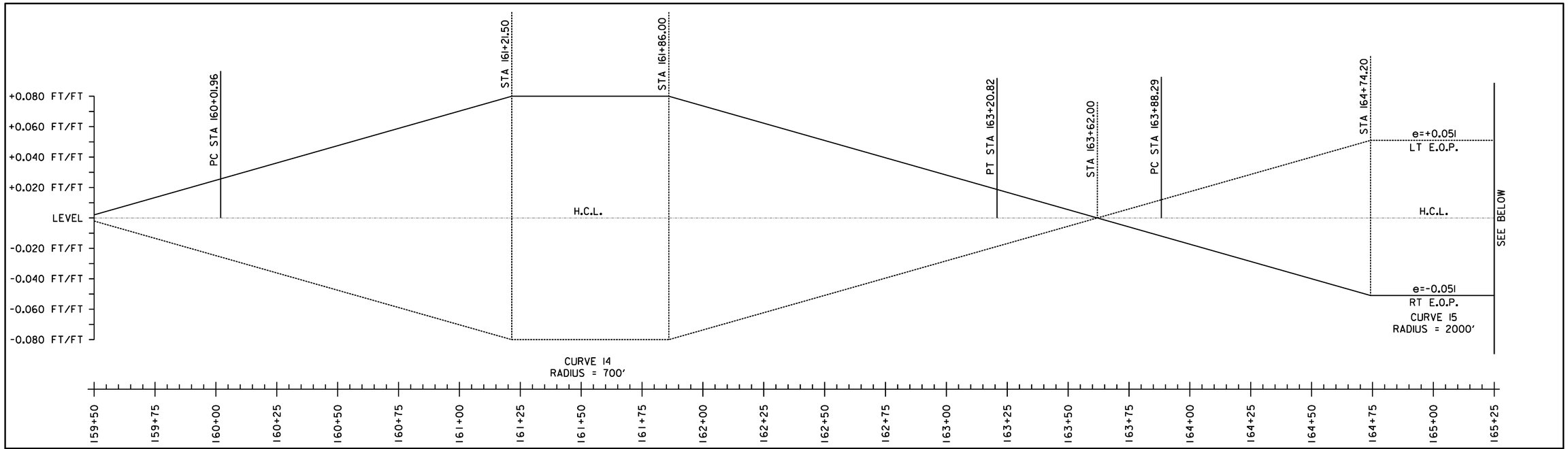
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

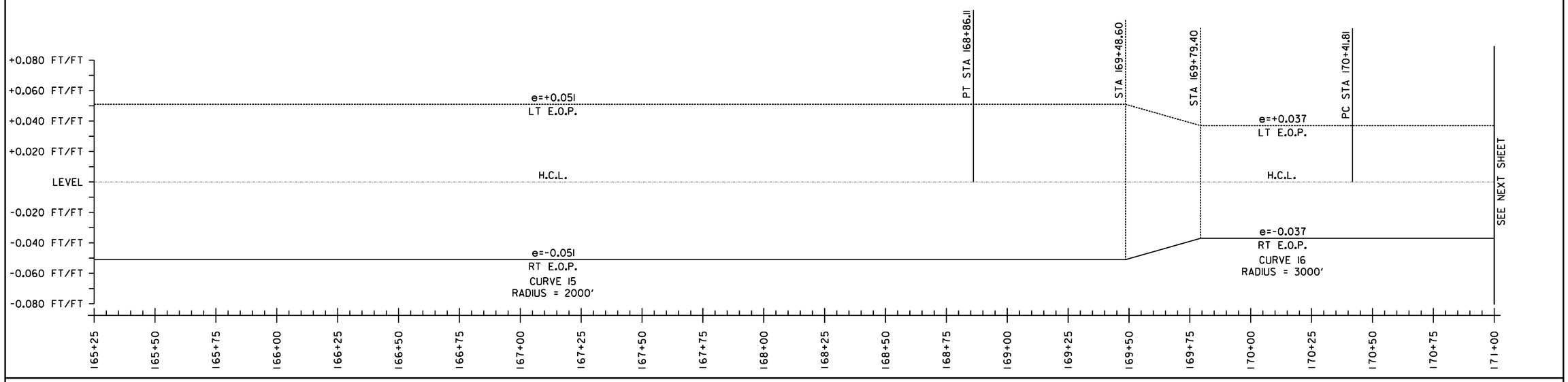
NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #10

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd10.i	SHEET 124 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

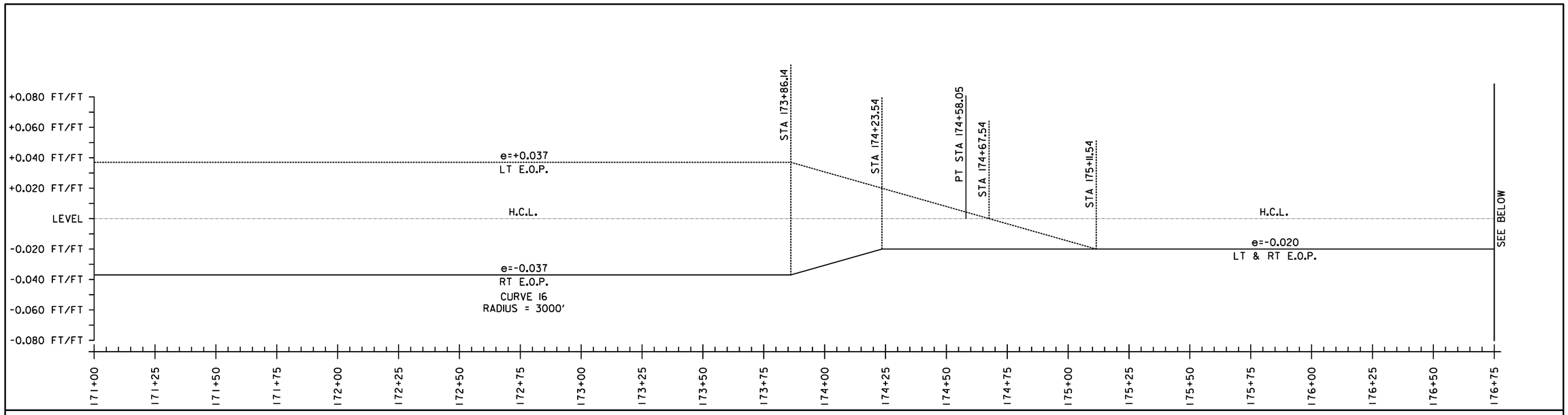
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

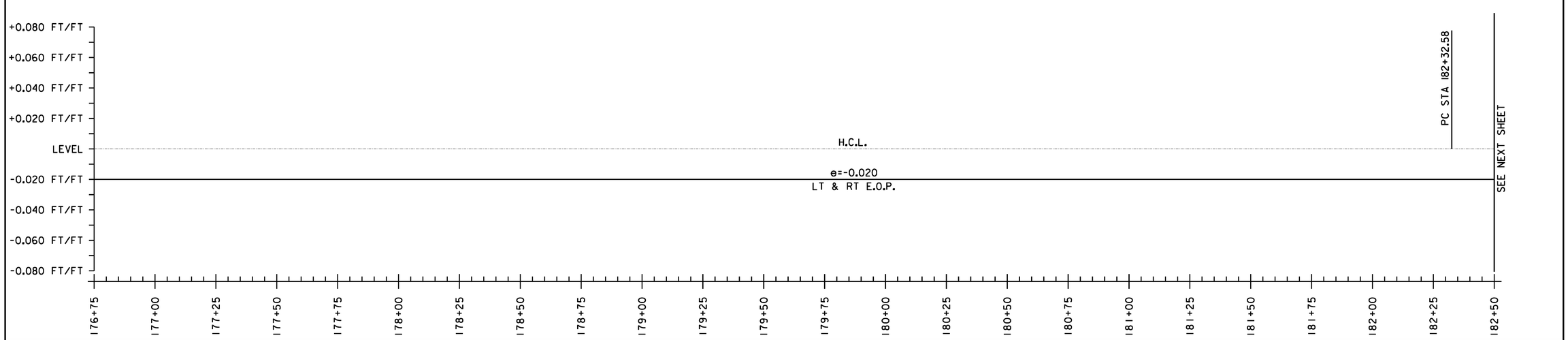
NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #11

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd11.i	SHEET 125 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #12

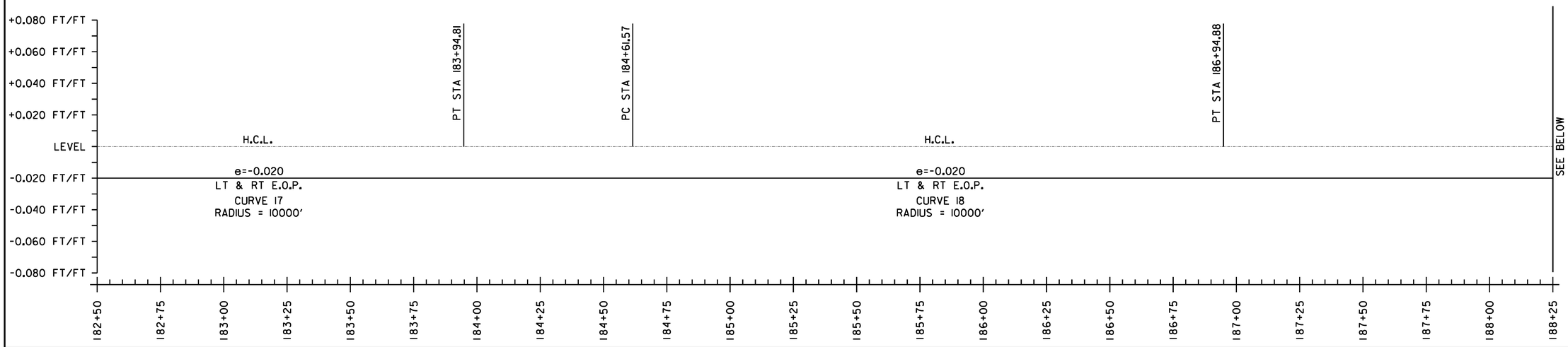
PROJECT NAME: WARREN - WAITSFIELD

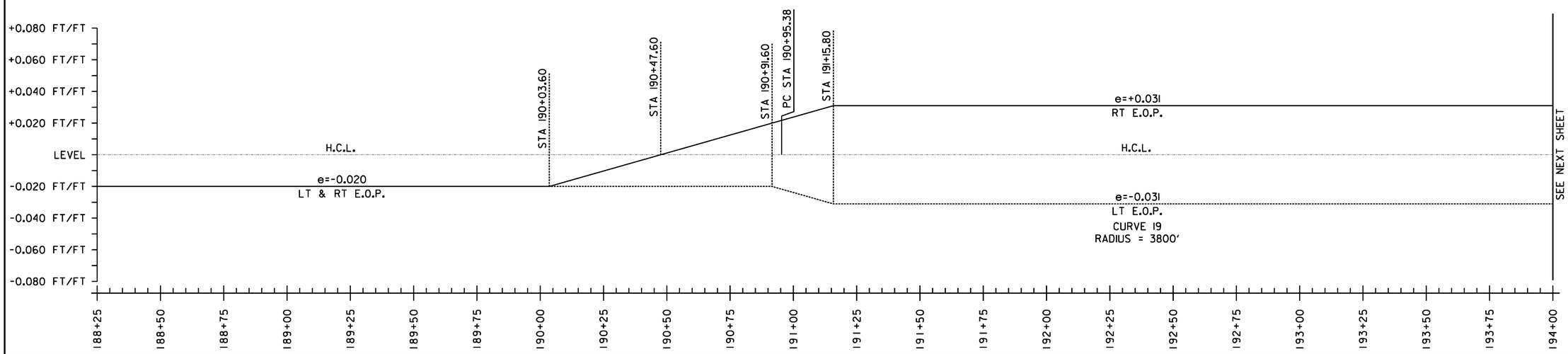
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd12.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 126 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #13

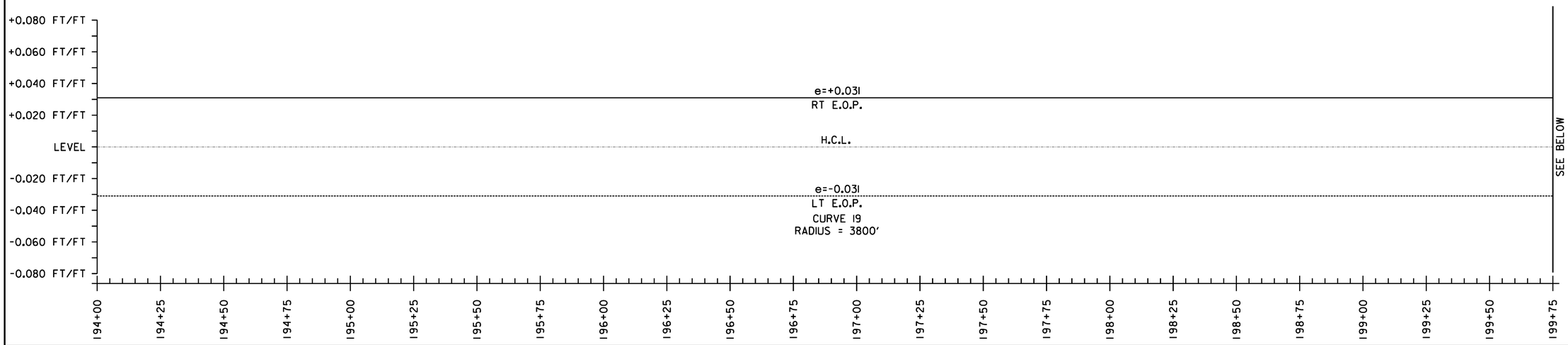
PROJECT NAME: WARREN - WAITSFIELD

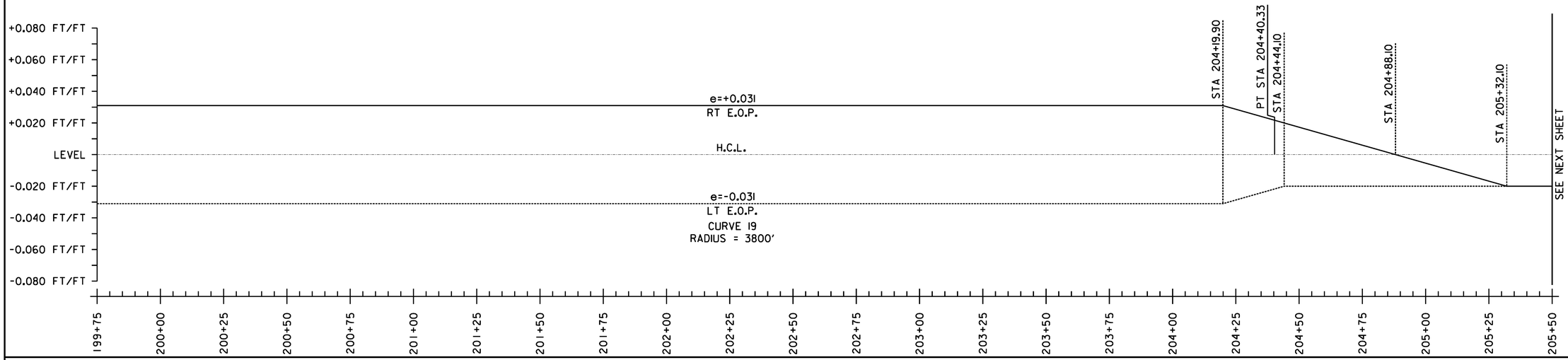
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd13.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 127 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #14

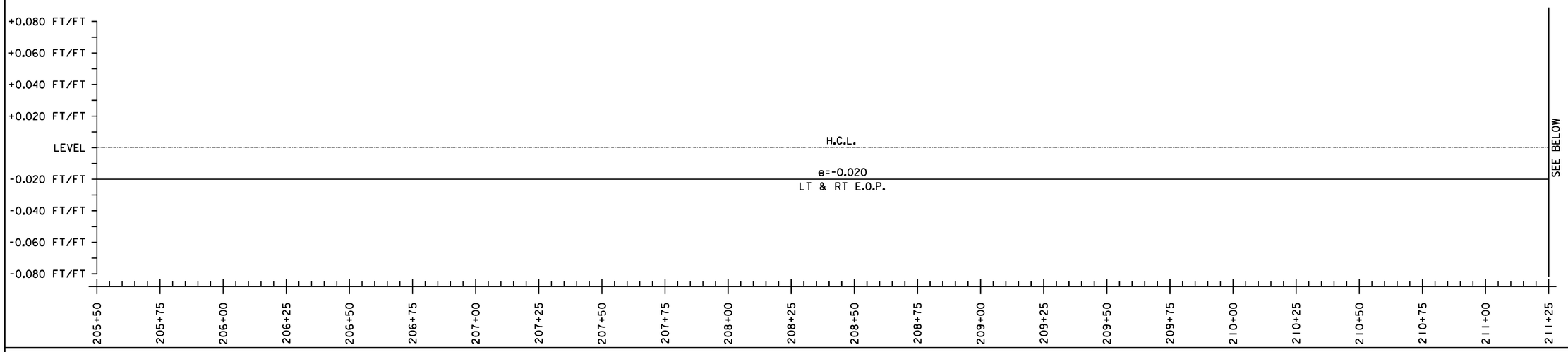
PROJECT NAME: WARREN - WAITSFIELD

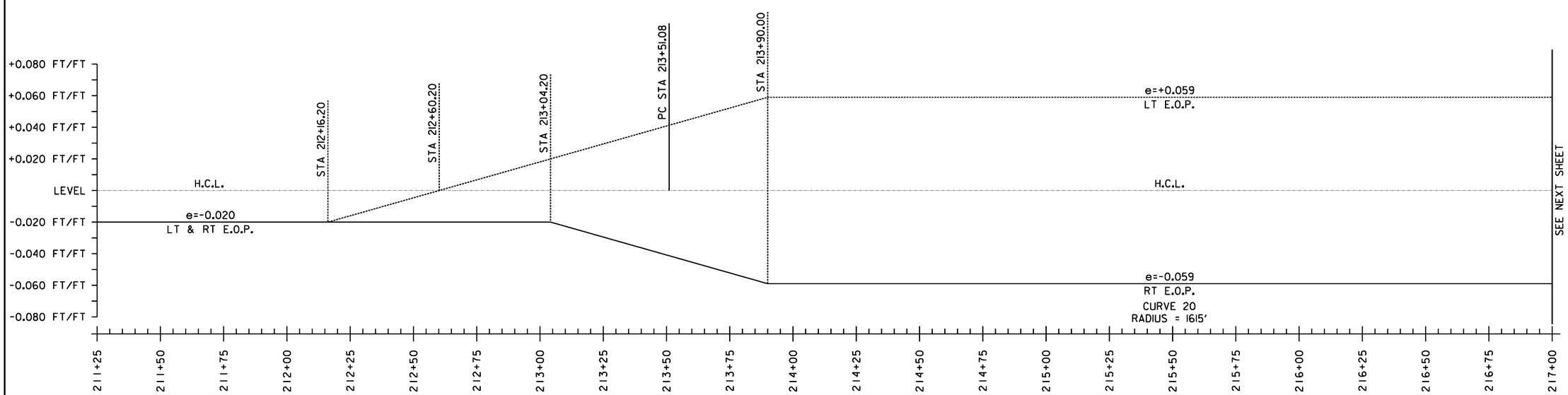
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd14.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 128 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #15

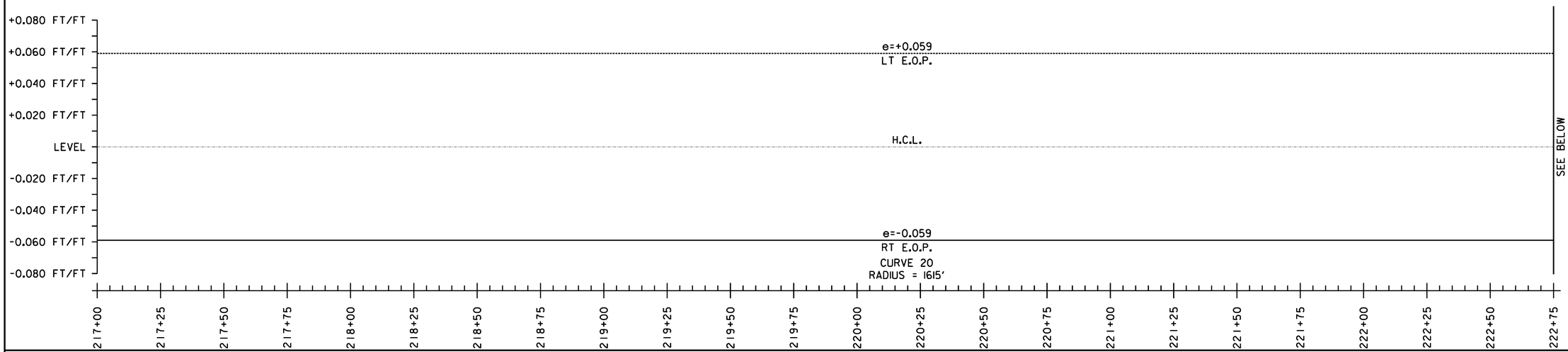
PROJECT NAME: WARREN - WAITSFIELD

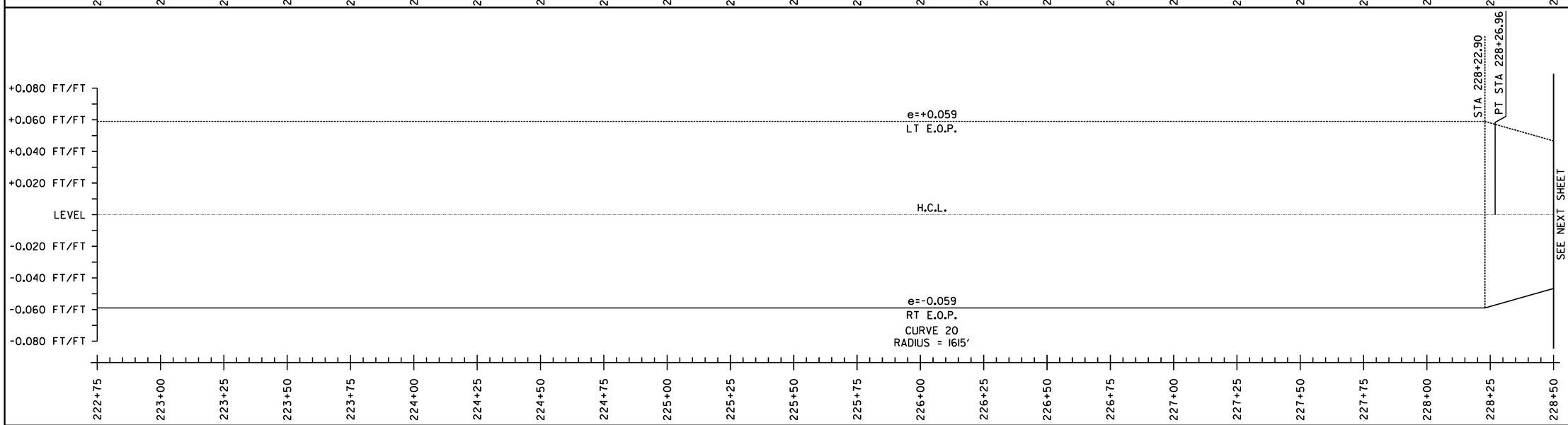
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd15.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 129 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

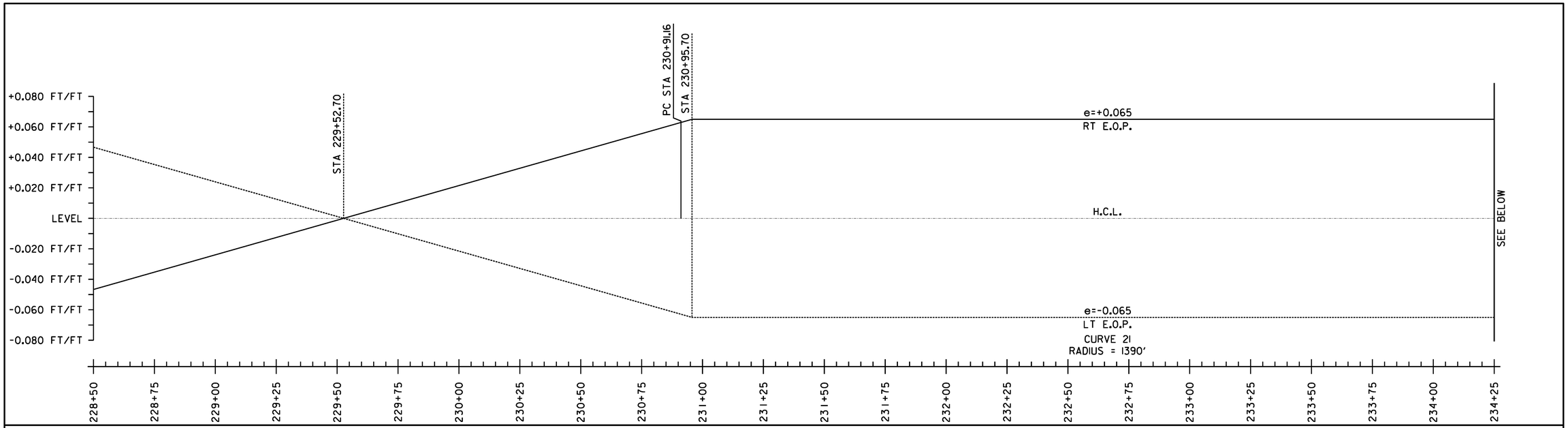
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

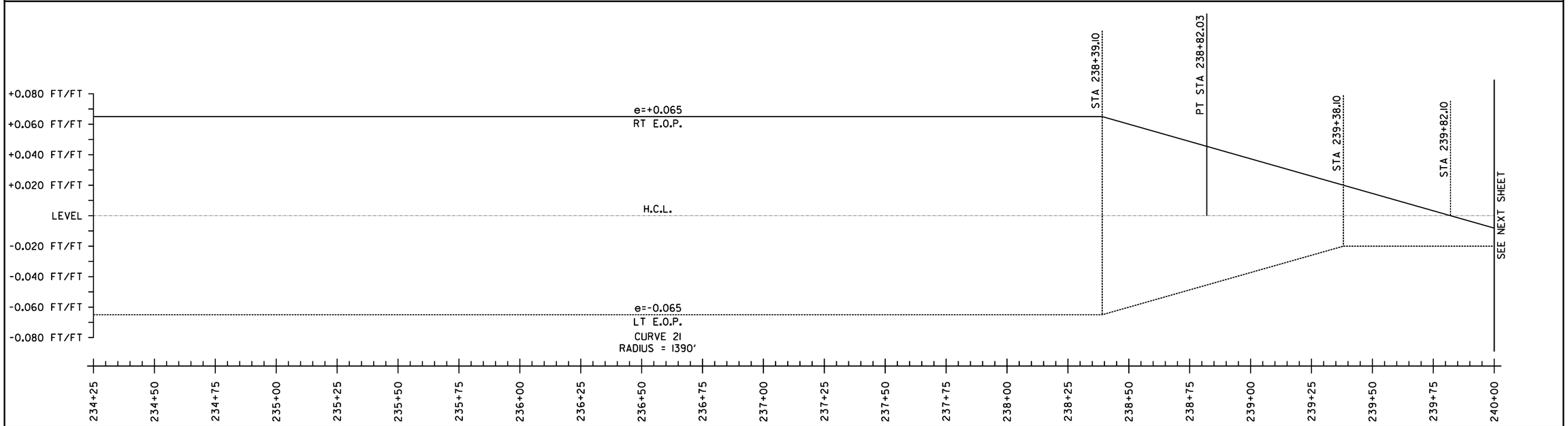
NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #16

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd16.1	SHEET 130 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #17

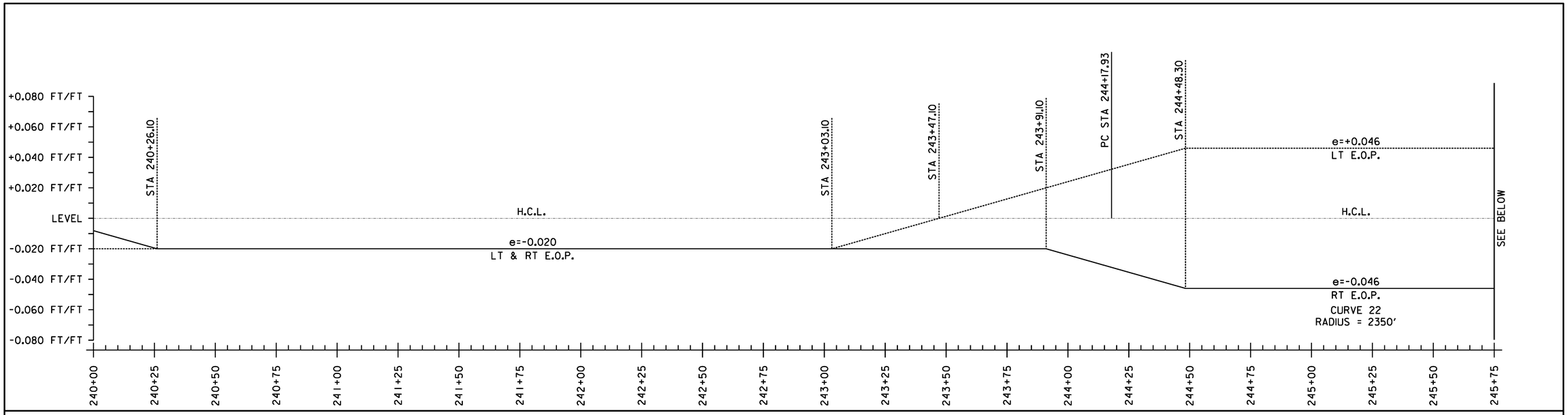
PROJECT NAME: WARREN - WAITSFIELD

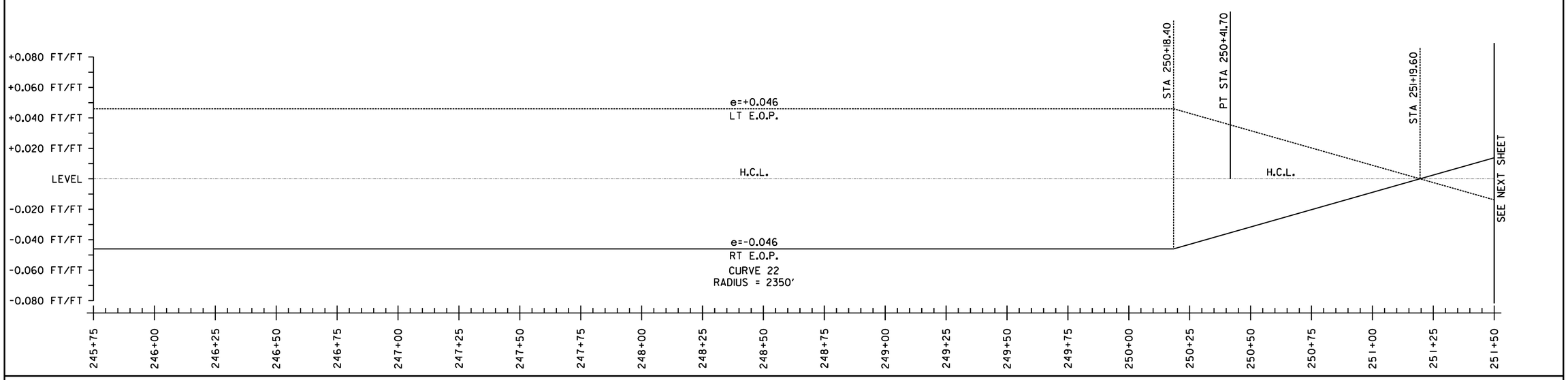
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd17.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 131 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4085





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #18

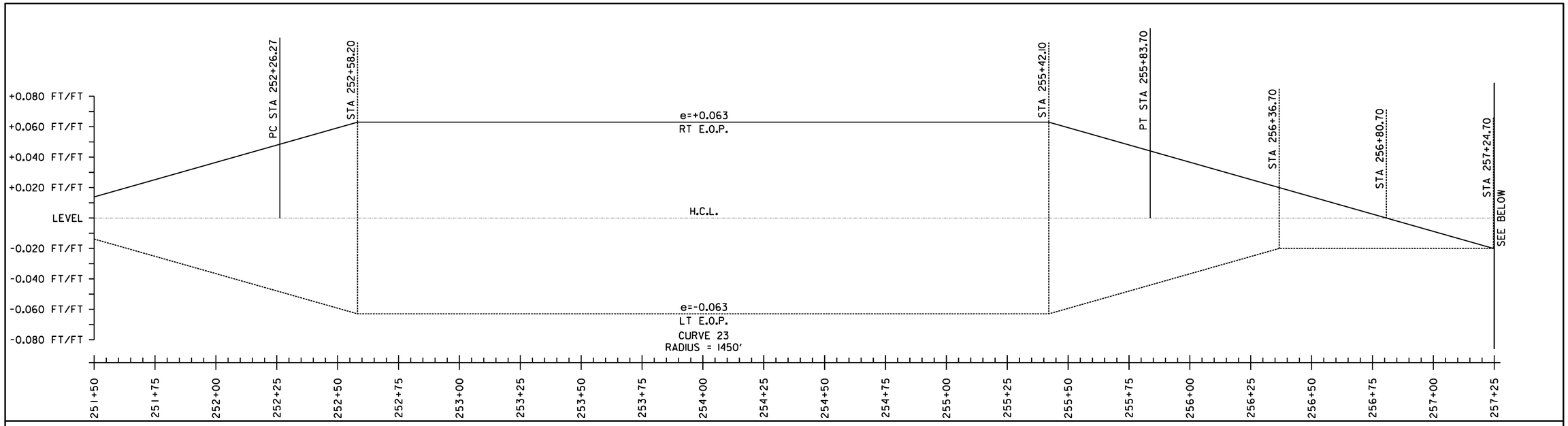
PROJECT NAME: WARREN - WAITSFIELD

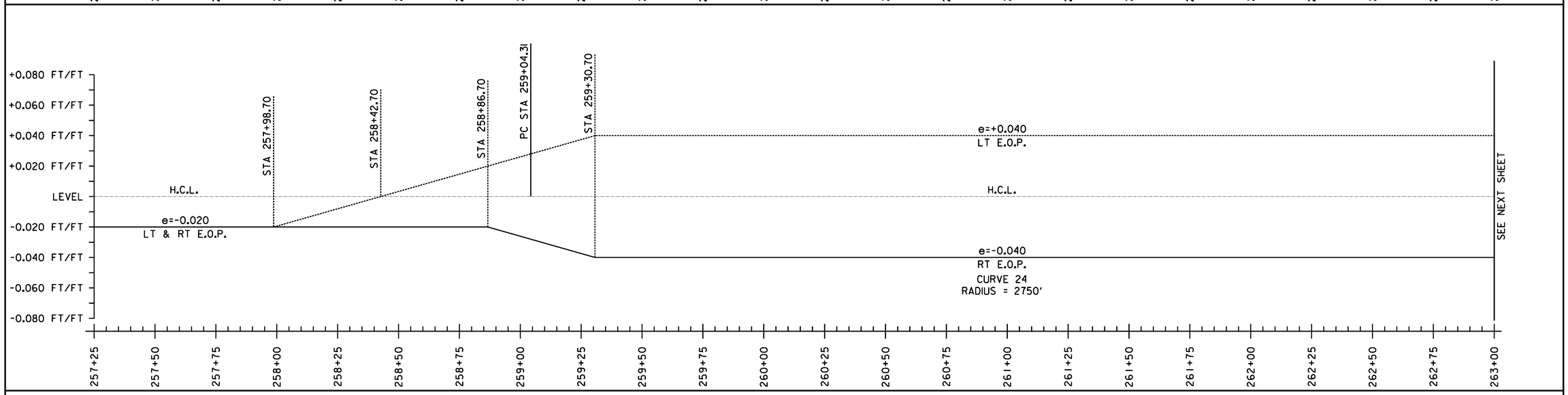
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd18.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 132 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

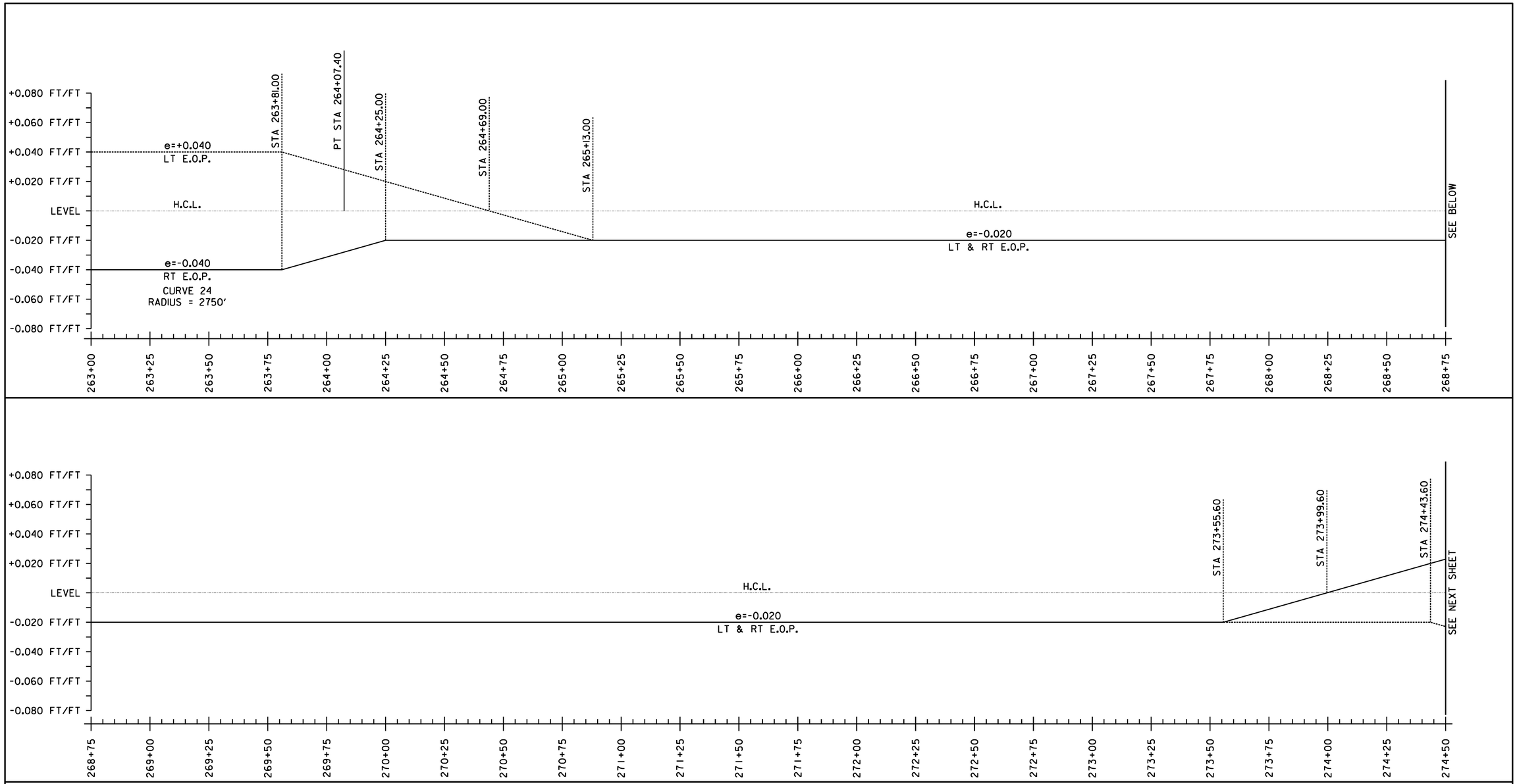
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #19

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd19.i	SHEET 133 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #20

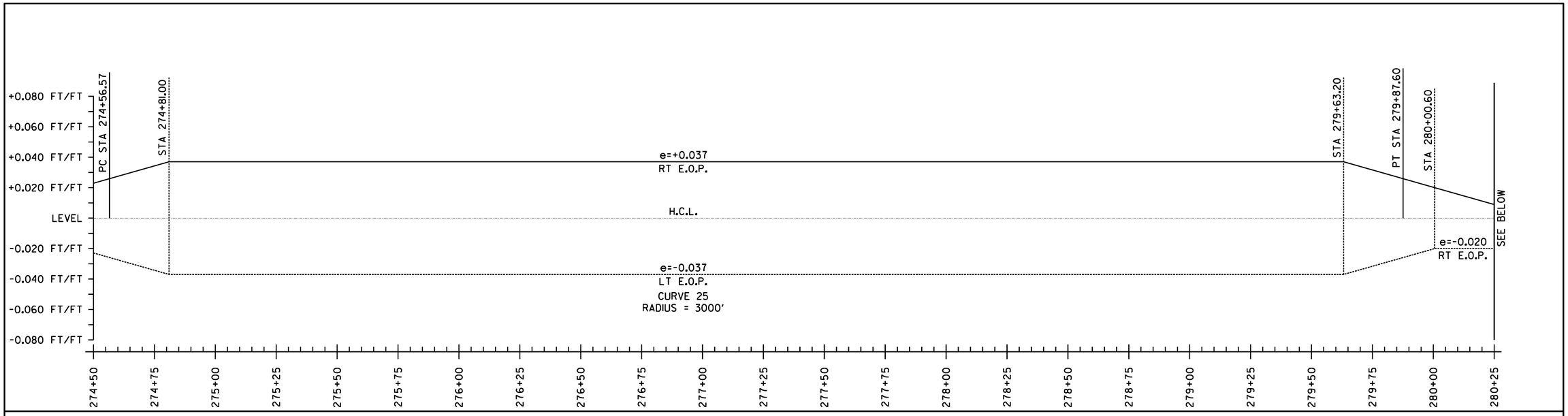
PROJECT NAME: WARREN - WAITSFIELD

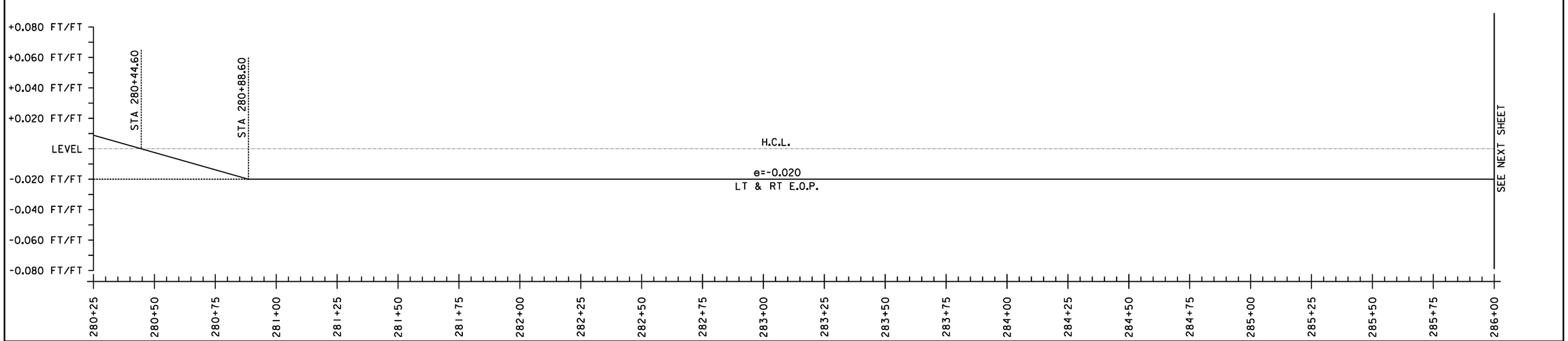
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd20.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 134 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #21

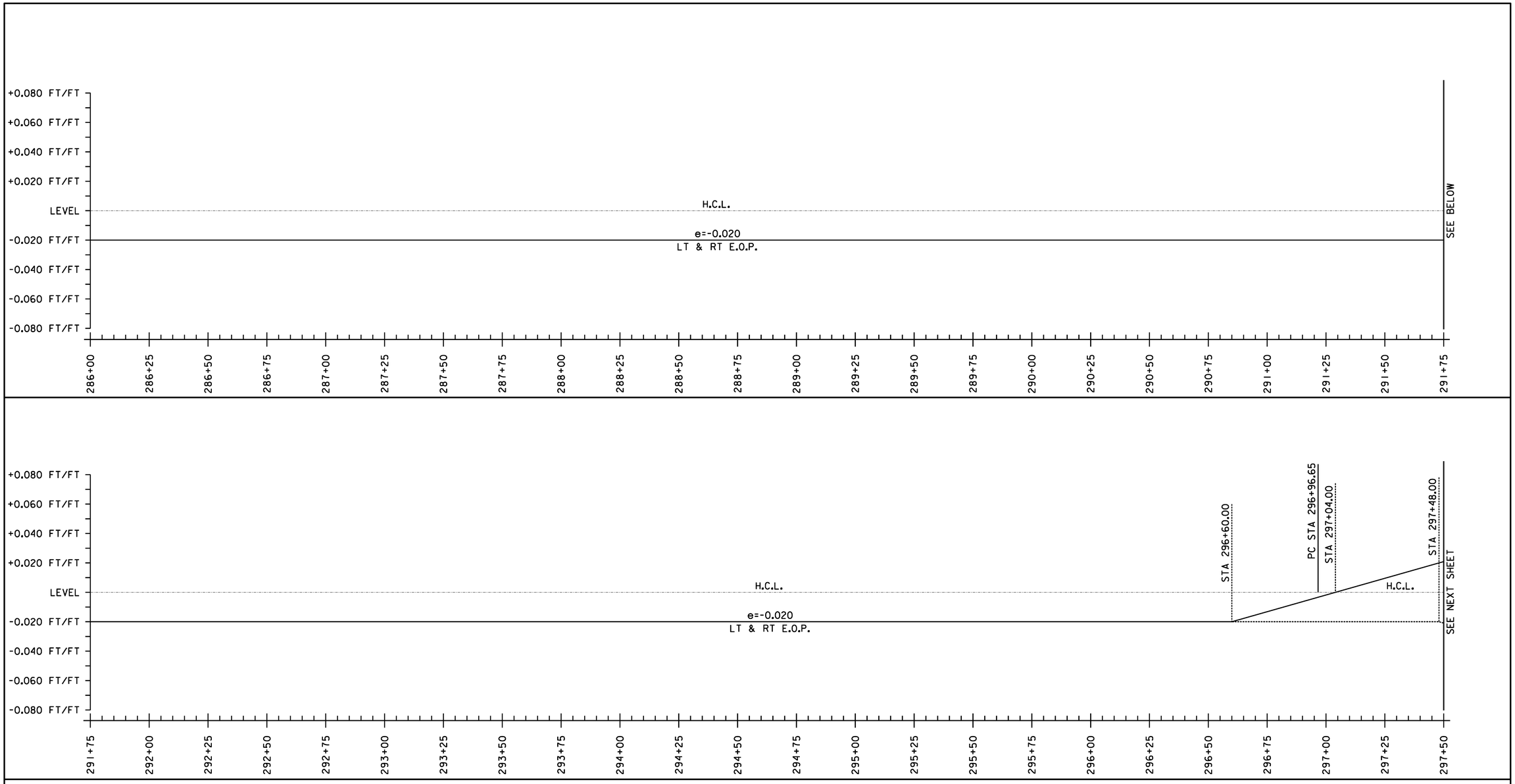
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd21.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 135 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4069



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #22

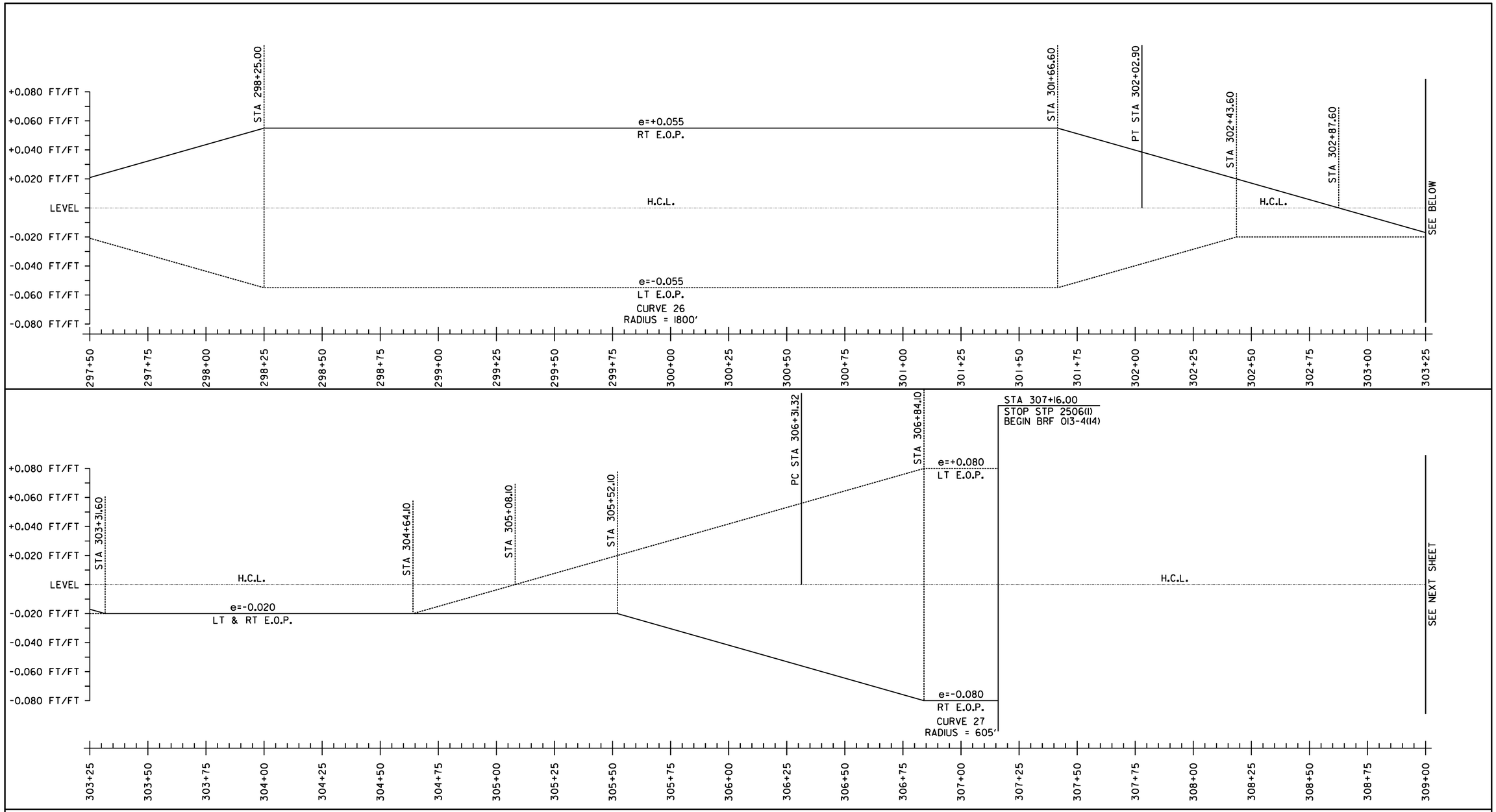
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd22.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 136 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #23

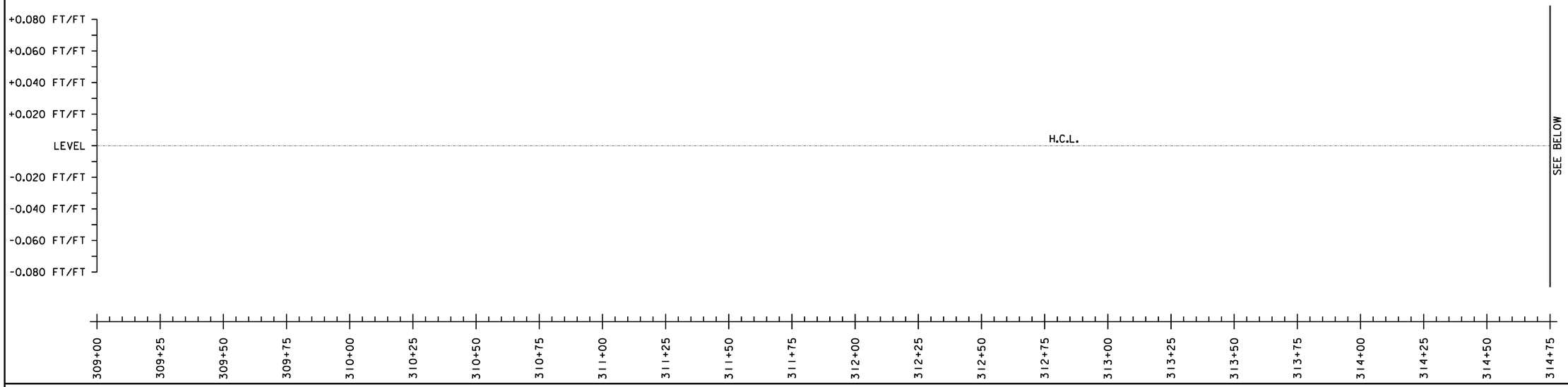
PROJECT NAME: WARREN - WAITSFIELD

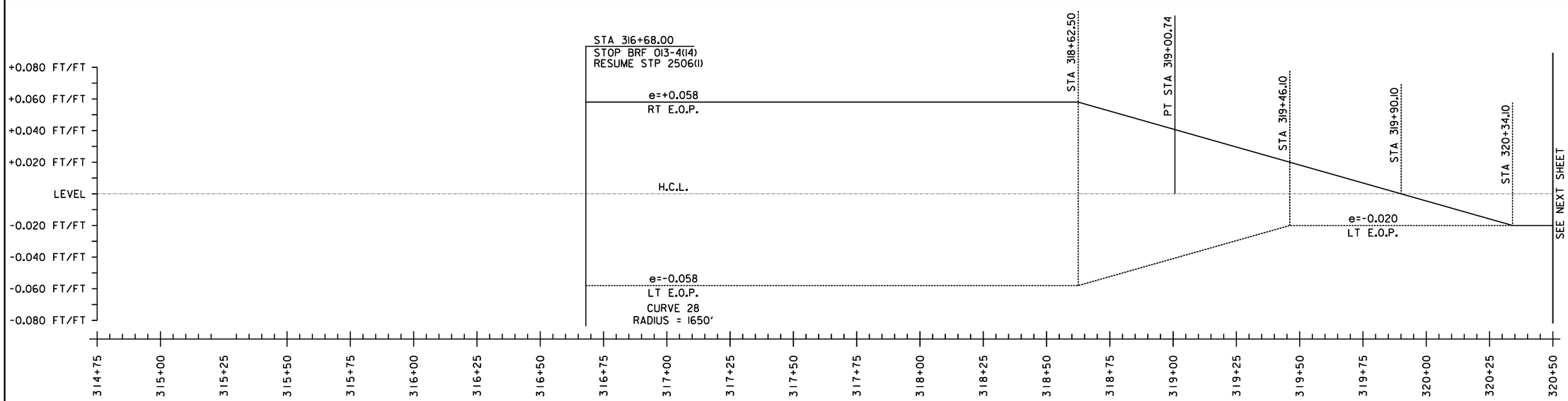
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd23.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 137 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #24

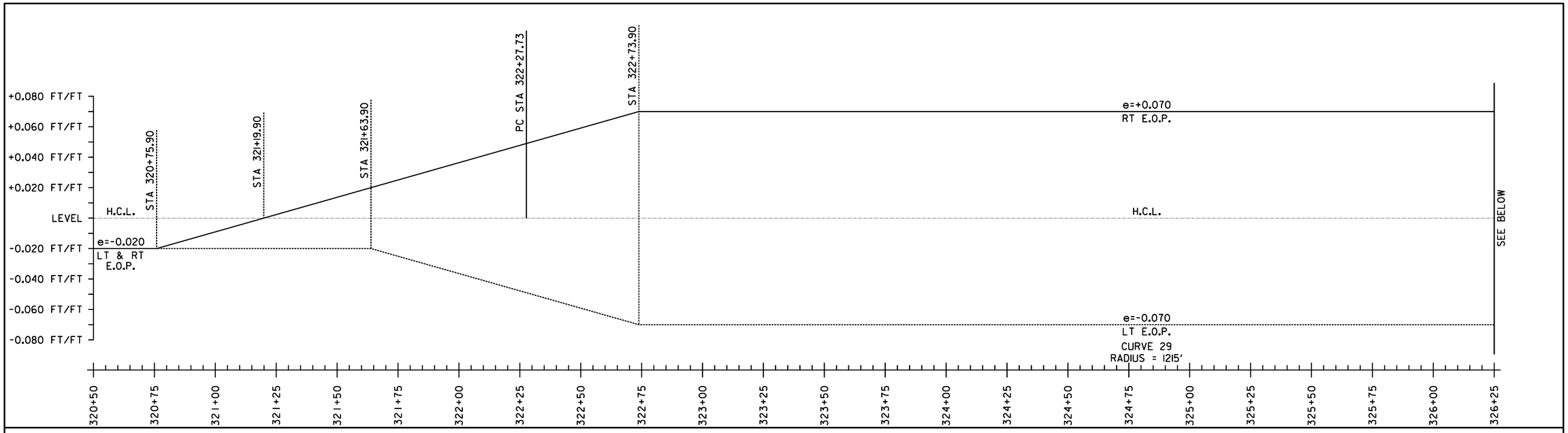
PROJECT NAME: WARREN - WAITSFIELD

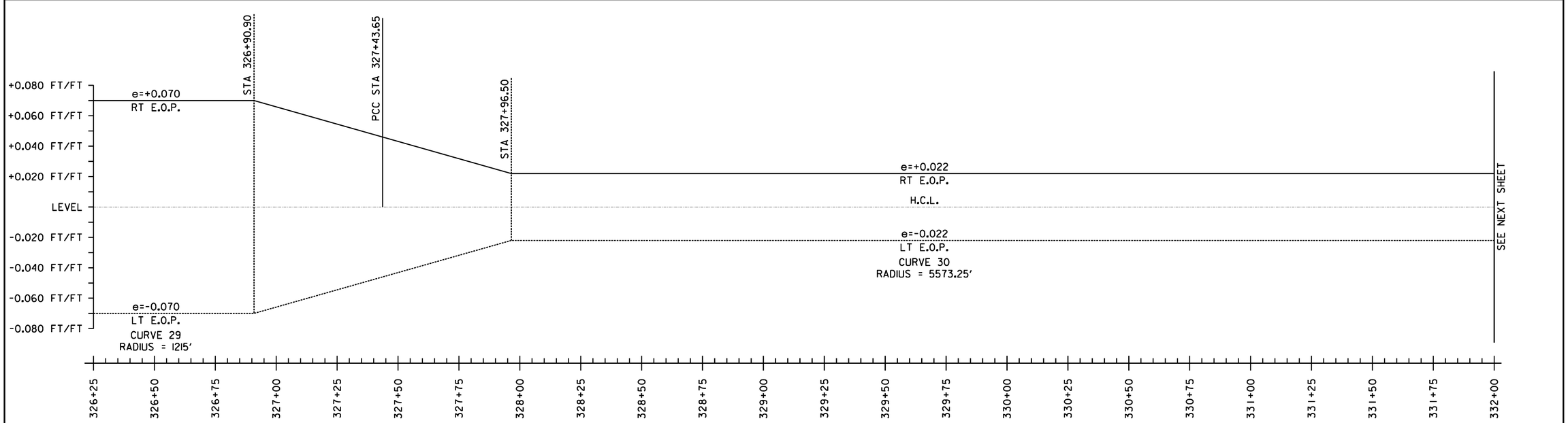
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd24.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 138 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

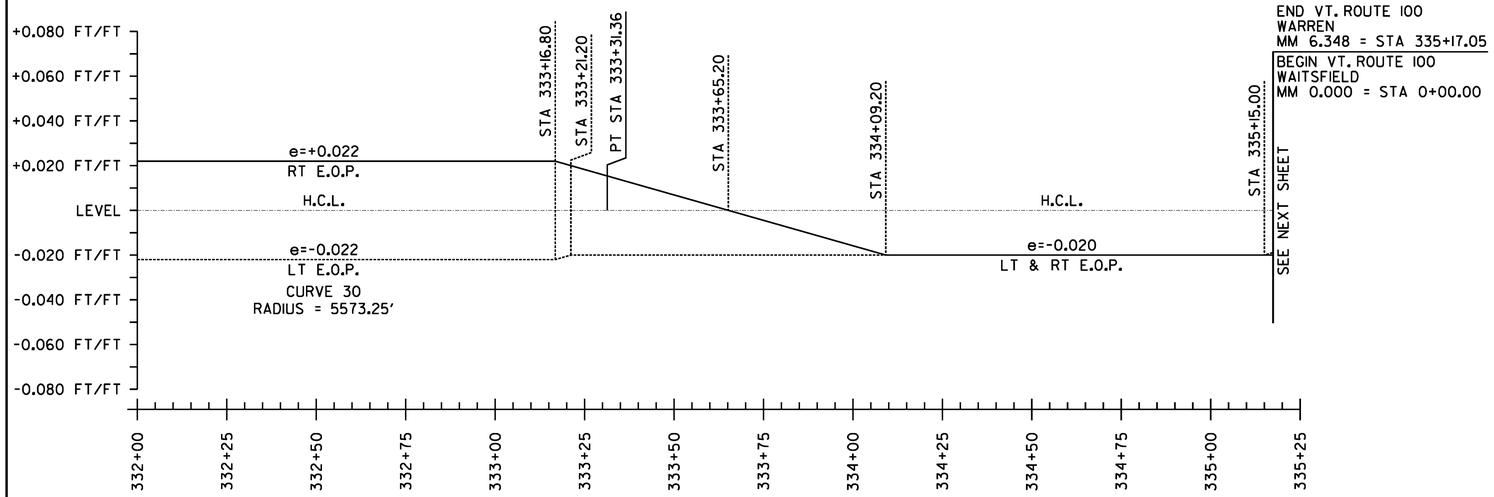
SUPERELEVATION DIAGRAMS SHEET #25

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd25.i	SHEET 139 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #26

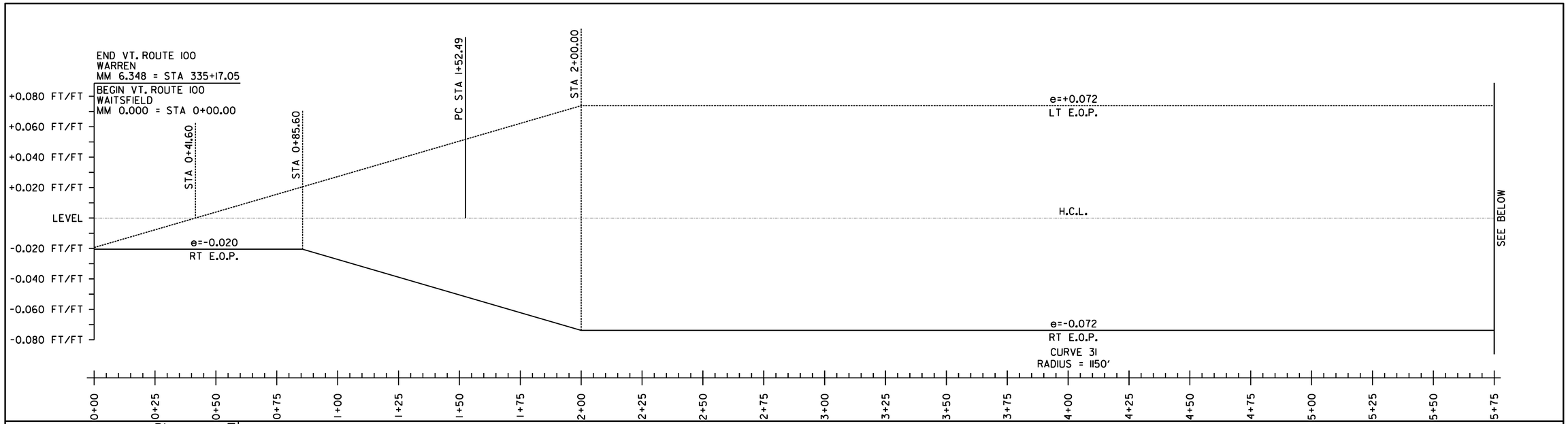
PROJECT NAME: WARREN - WAITSFIELD

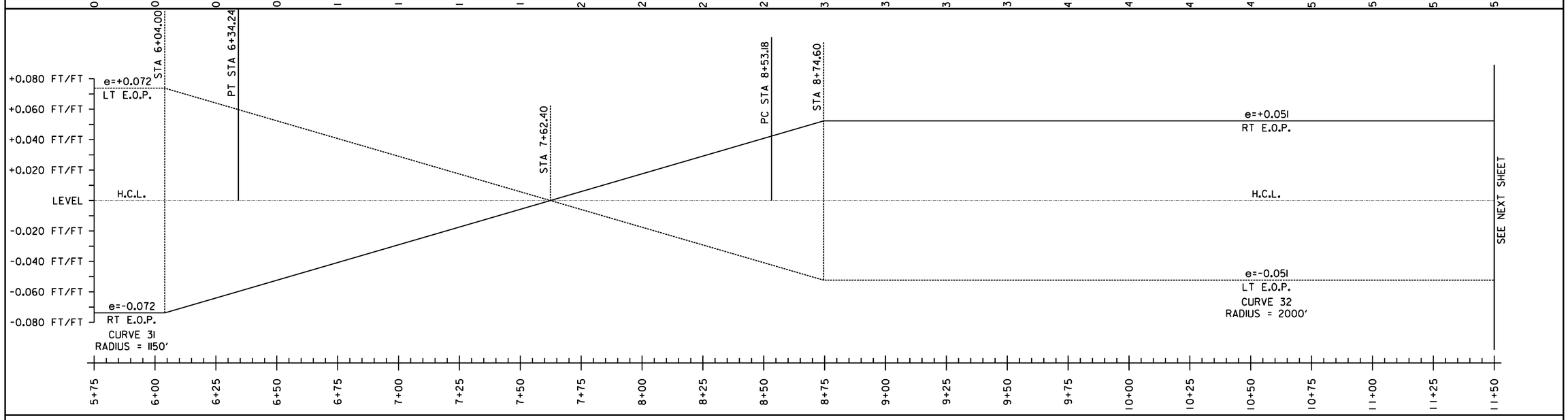
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd26.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 140 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4069





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

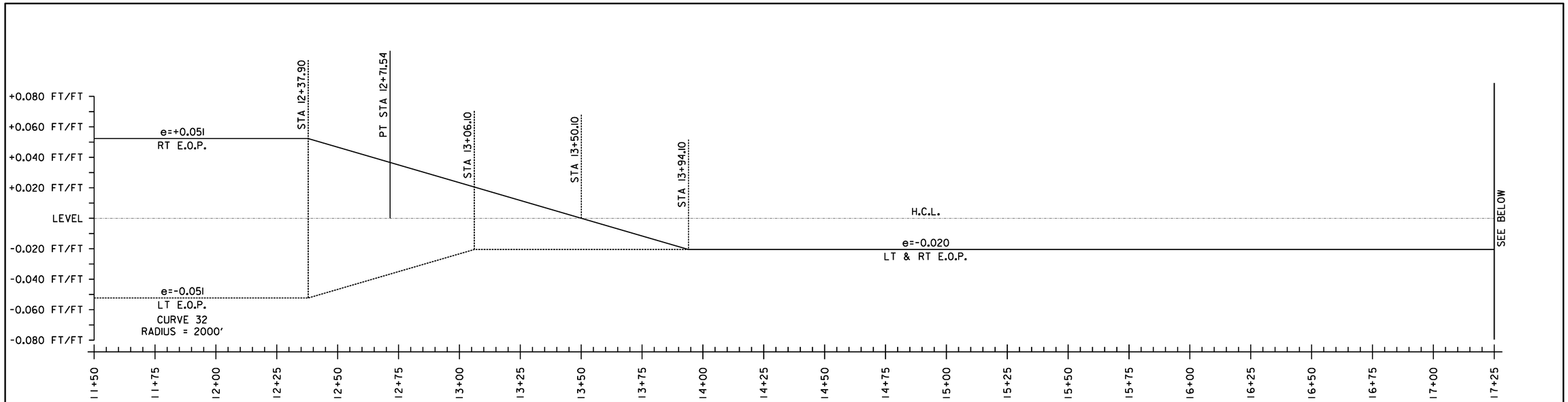
SUPERELEVATION DIAGRAMS SHEET #27

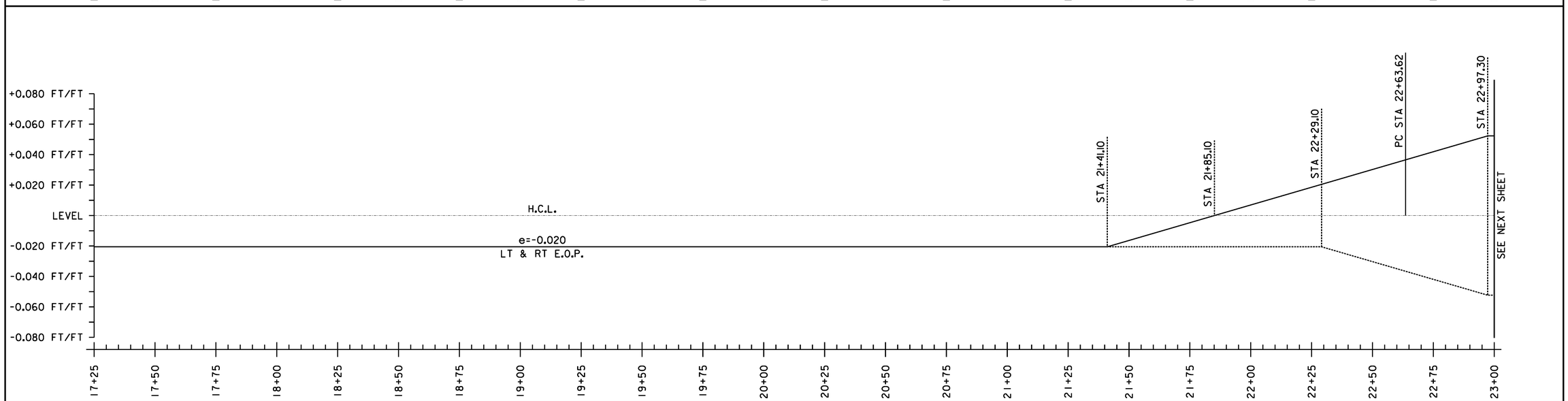
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd27.I	SHEET 141 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #28

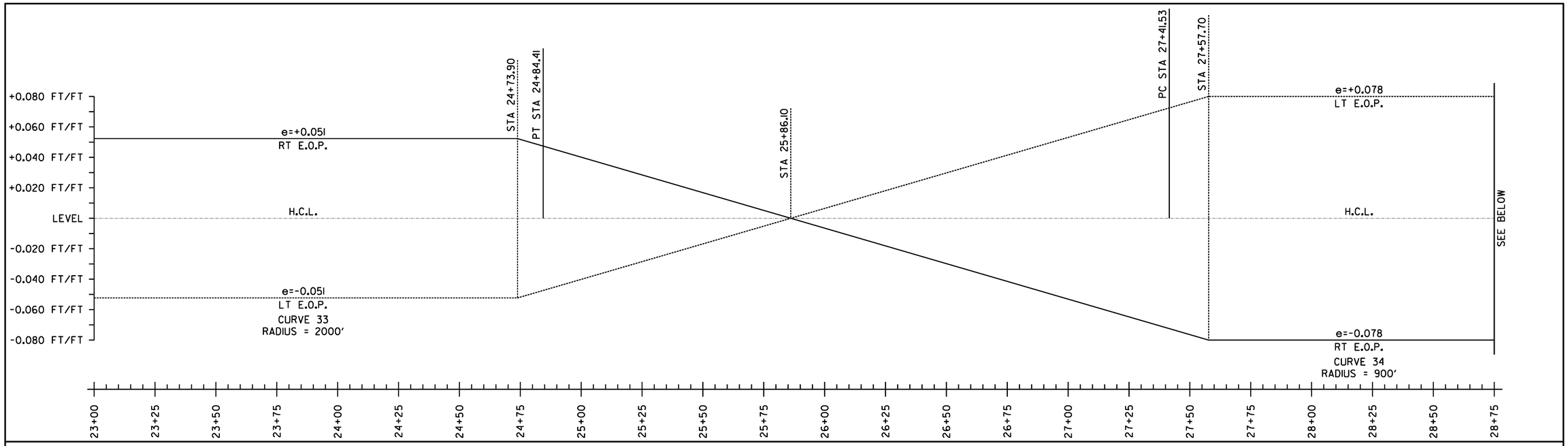
PROJECT NAME: WARREN - WAITSFIELD

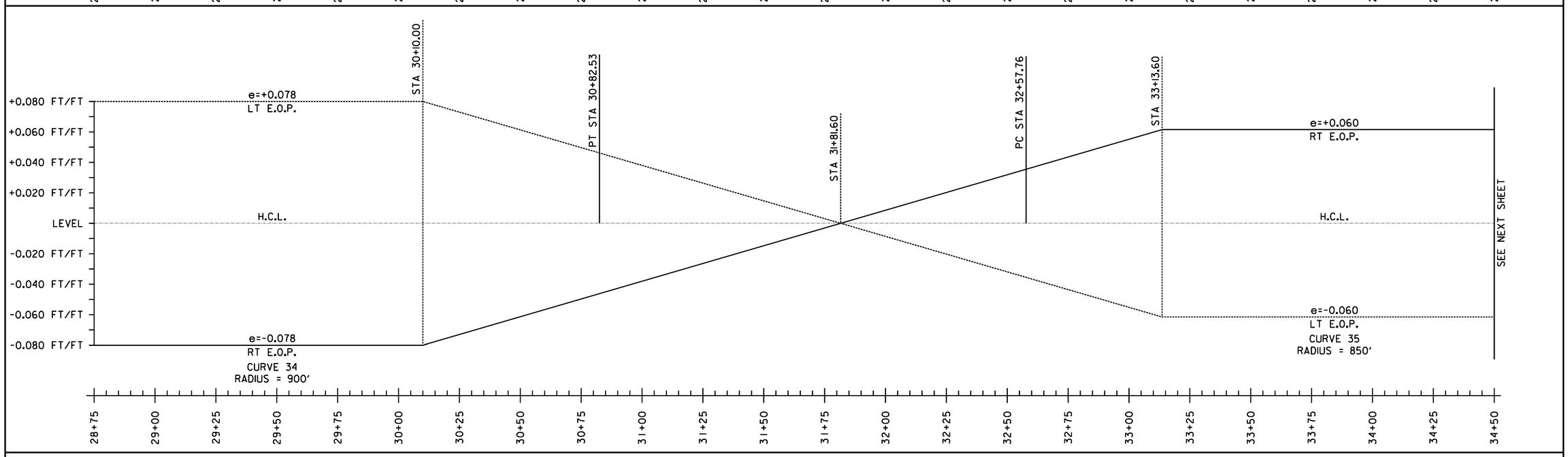
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd28.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 142 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #29

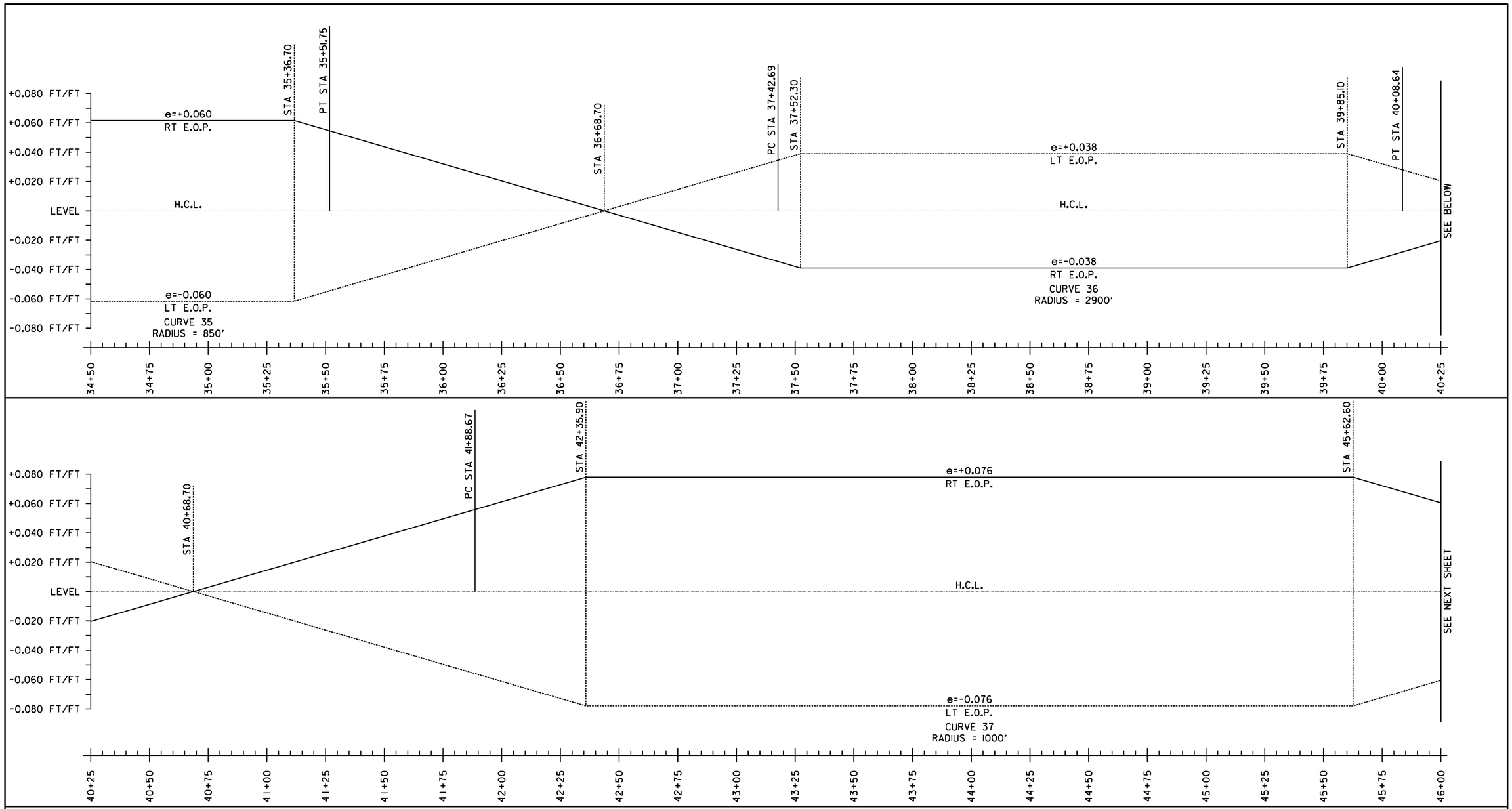
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd29.i

PLOT DATE: 12/21/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 143 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/21/2012
USER = 4086



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

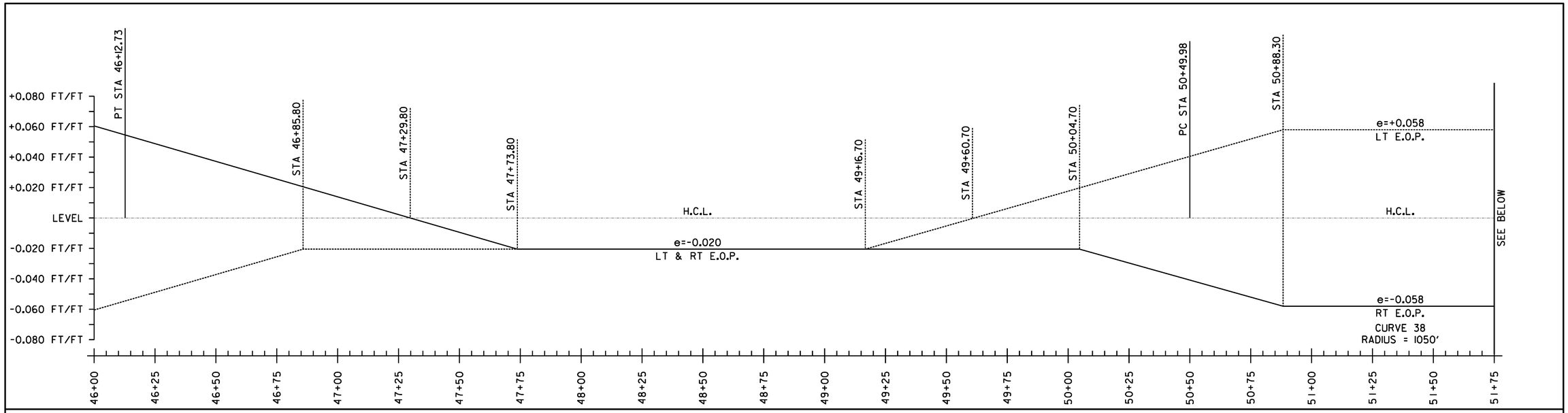
2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

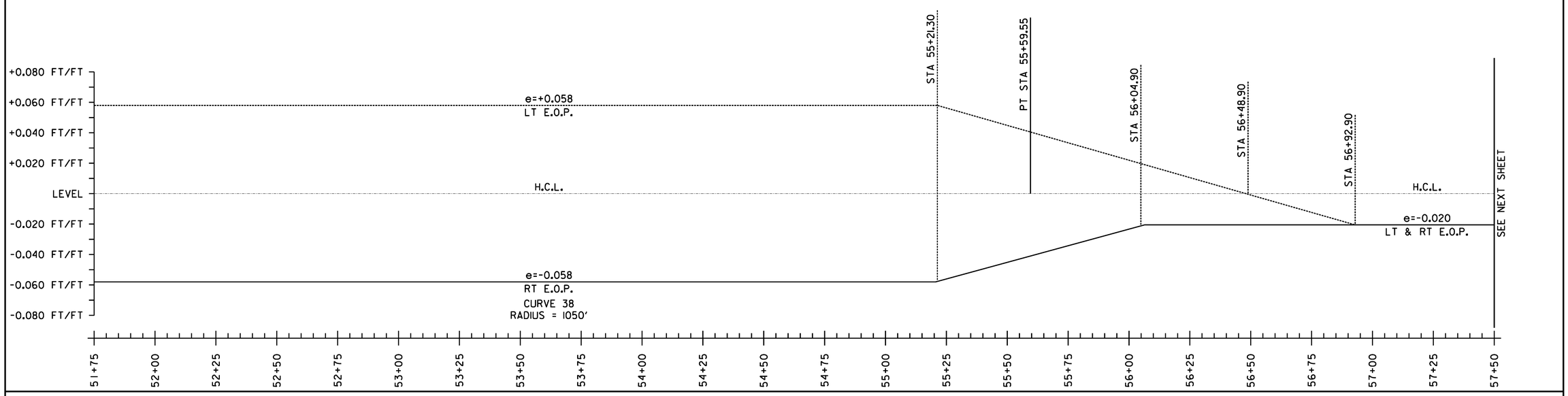
NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #30

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd30.i	SHEET 144 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

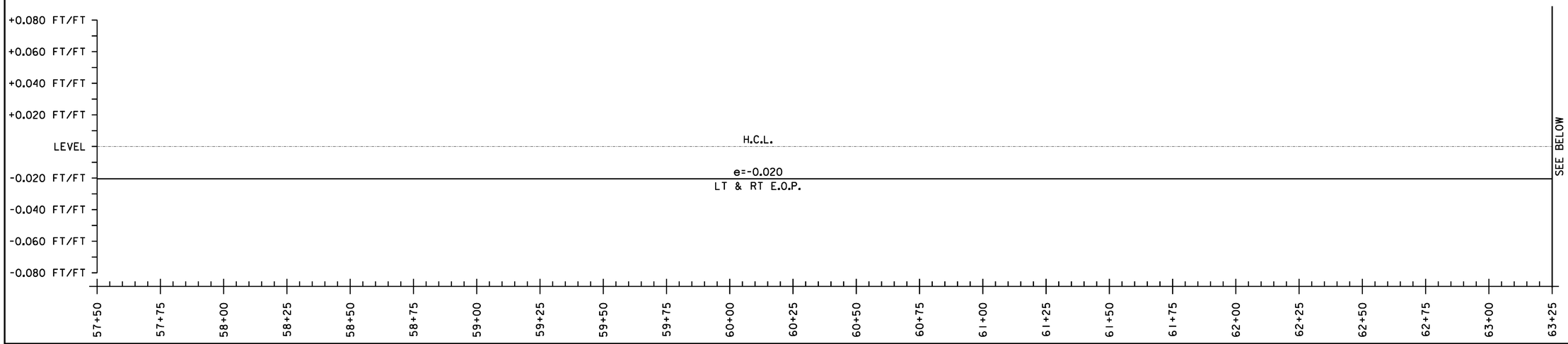
SUPERELEVATION DIAGRAMS SHEET #31

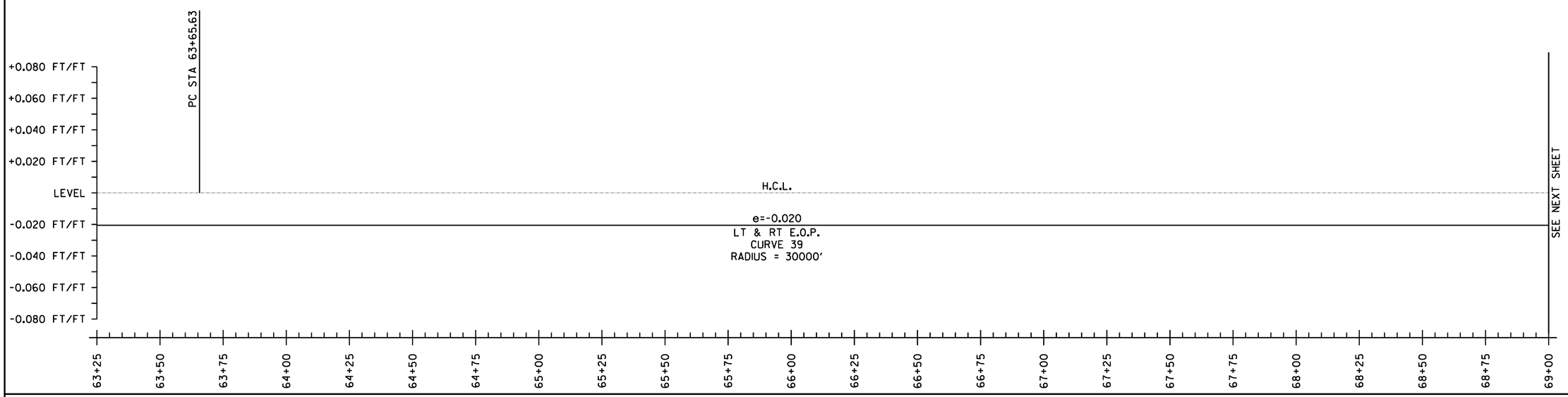
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048sbd31.i	SHEET 145 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #32

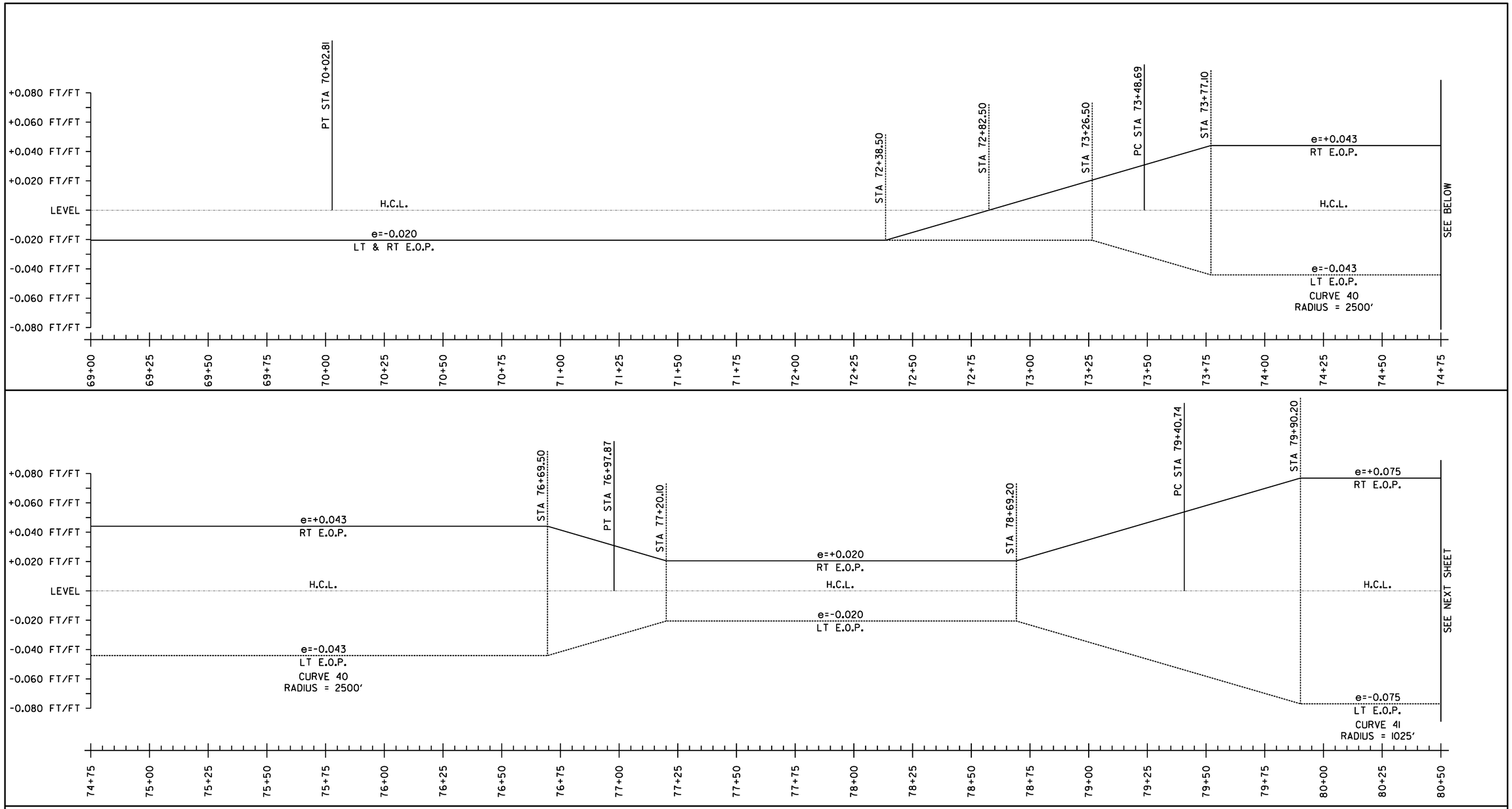
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd32.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 146 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

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NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #33

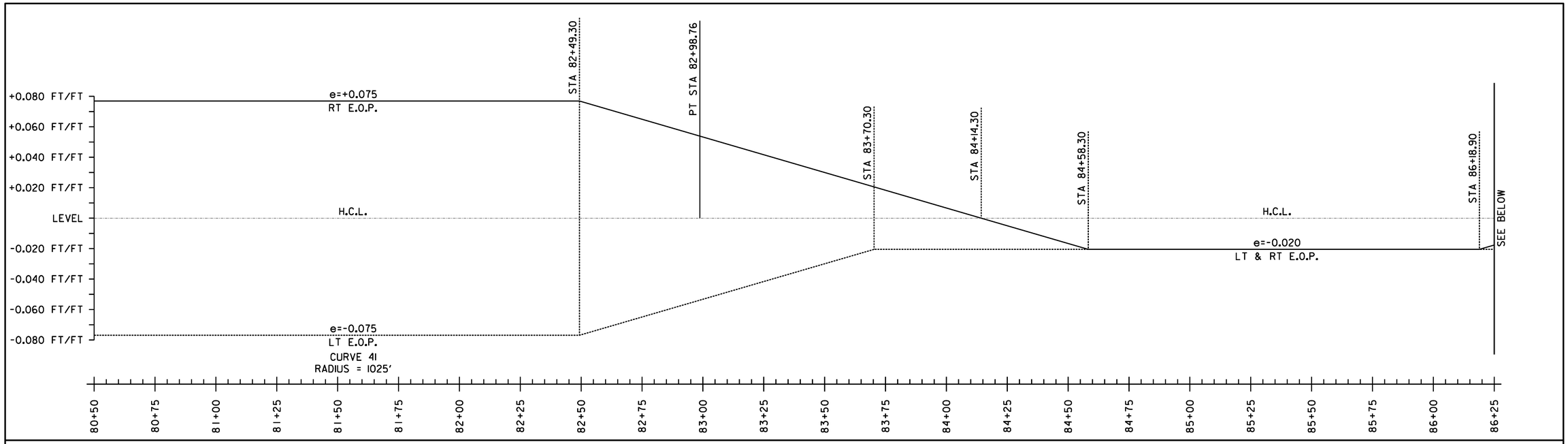
PROJECT NAME: WARREN - WAITSFIELD

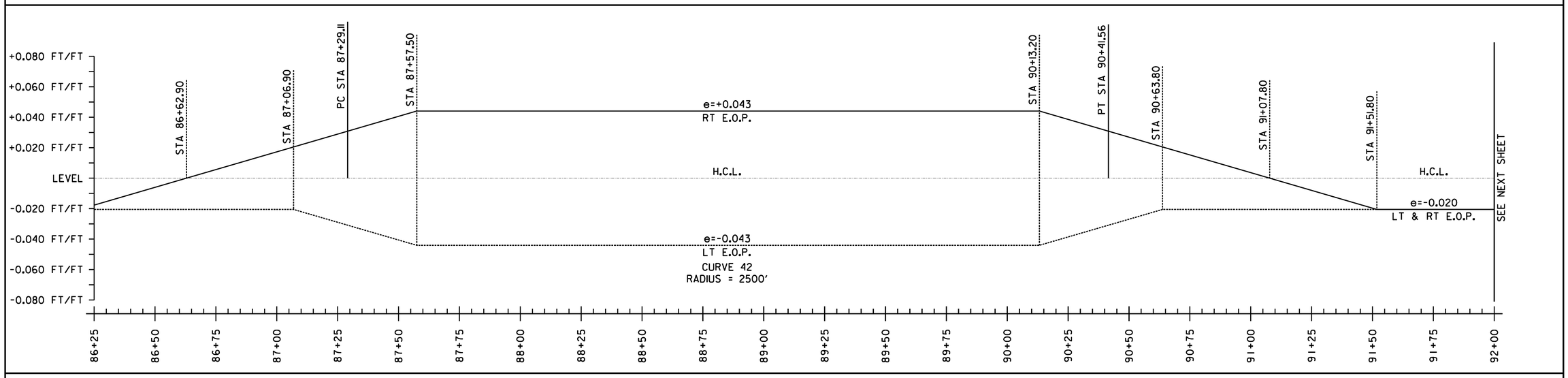
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd33.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 147 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

2. THE SHOULDER CROSS SLOPE ON BOTH THE OUTSIDE (HIGH SIDE) AND THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL MATCH THE ADJACENT TRAVEL LANE CROSS SLOPE.

NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #34

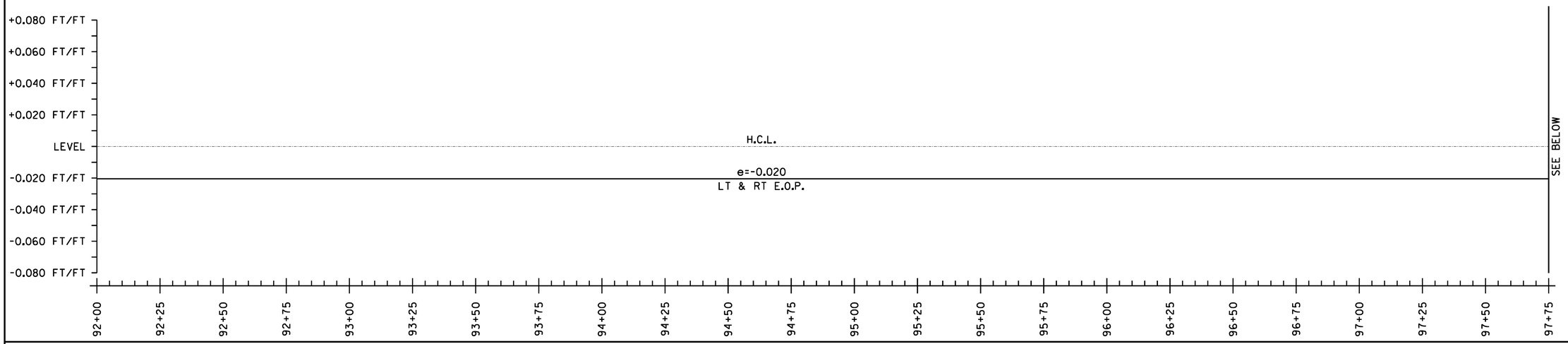
PROJECT NAME: WARREN - WAITSFIELD

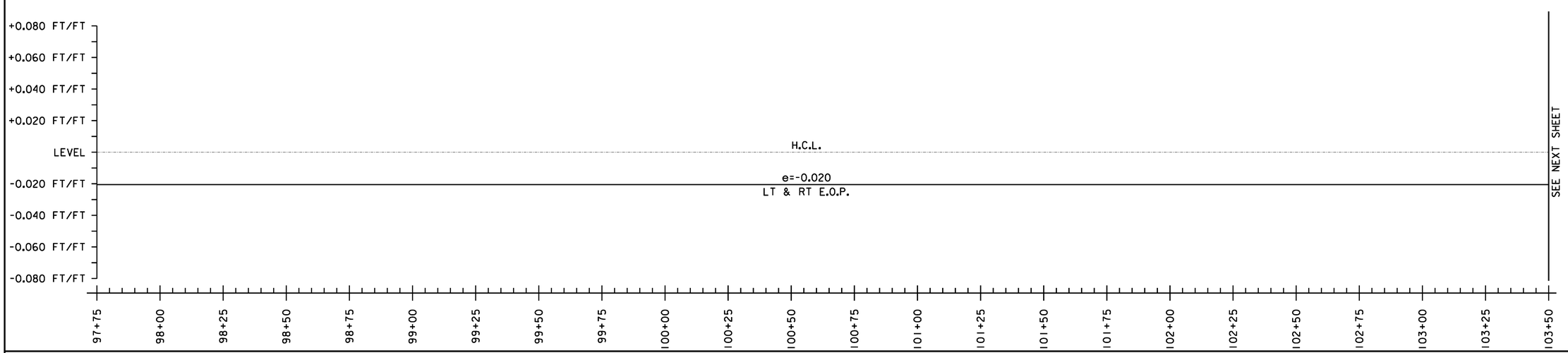
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd34.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 148 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

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NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #35

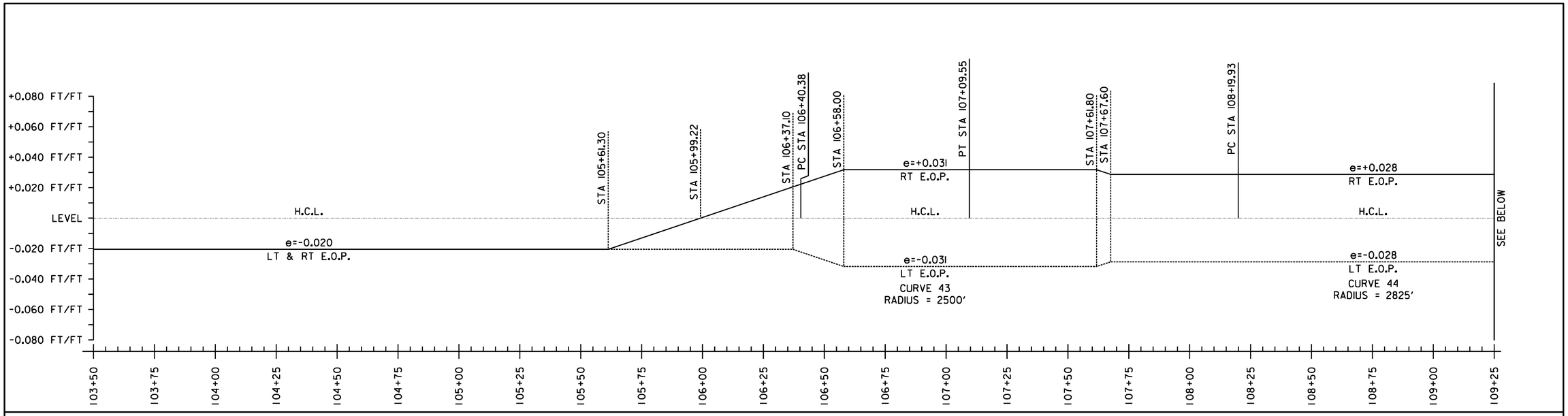
PROJECT NAME: WARREN - WAITSFIELD

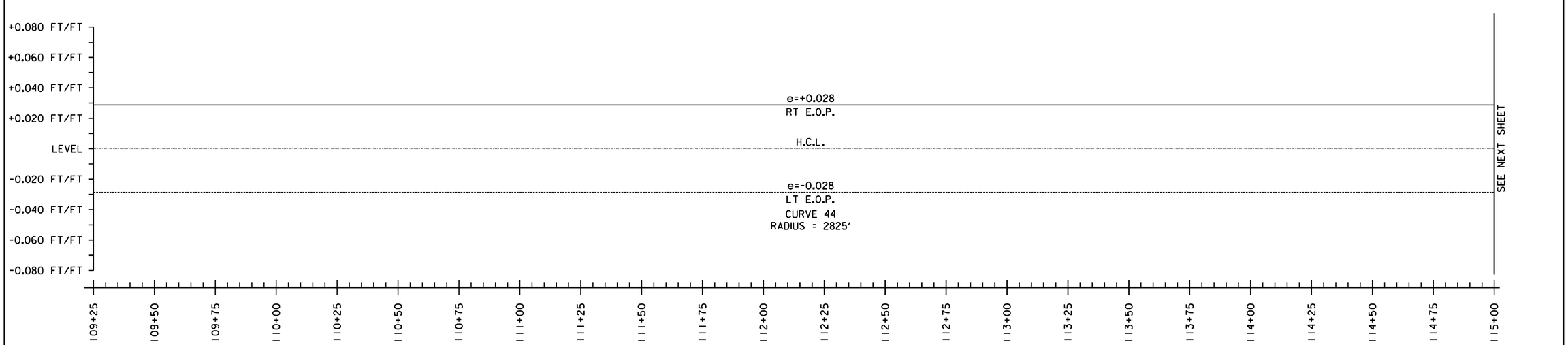
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd35.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 149 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

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NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #36

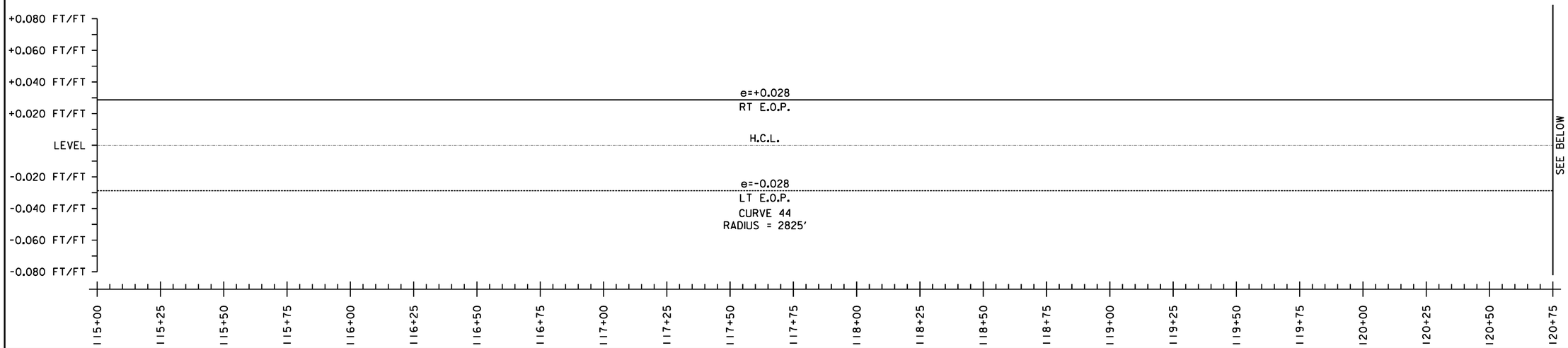
PROJECT NAME: WARREN - WAITSFIELD

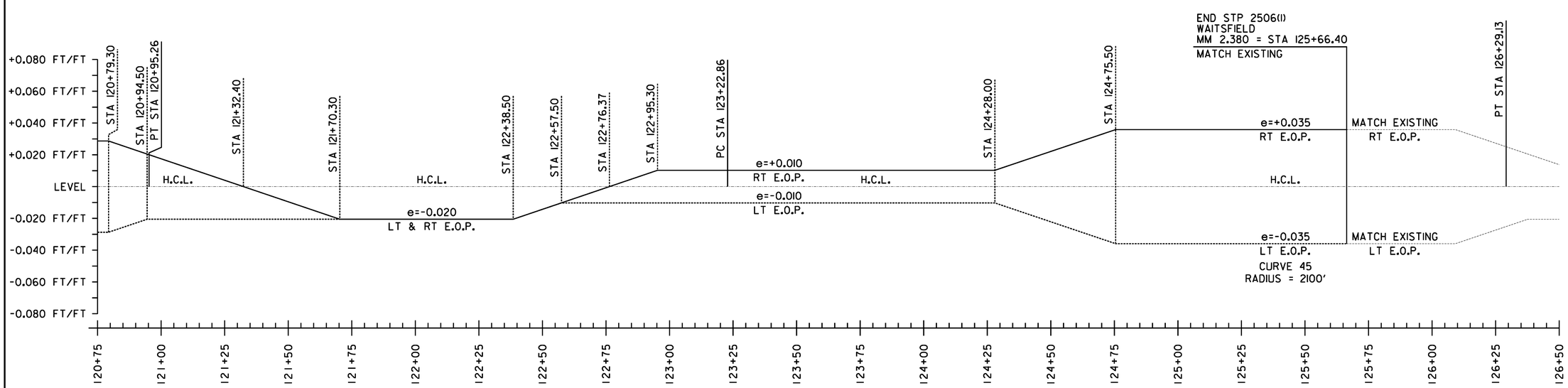
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd36.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 150 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065





SUPERELEVATION BANKING NOTES:

1. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED AND A MAXIMUM SUPERELEVATION RATE OF 0.08. A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED WHERE SIDE ROADS INTERSECTED ALONG THE HIGH SIDE OF A CURVE.

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NOT TO SCALE

SUPERELEVATION DIAGRAMS SHEET #37

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(I)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048sbd37.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 151 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plan.dgn
DATE/TIME = 12/20/2012
USER = 4086

HORIZONTAL CONTROL TABLE

HCL POINT	COORDINATES NORTH	COORDINATES EAST	HCL STATION	DESCRIPTION
WARREN ROUTE 100				
BEGIN WARREN ROUTE 100	573056.860	1545836.193	44+88.00	BEGIN WARREN ROUTE 100 STA 44+88.00
P.C. CURVE 1	573294.125	1545719.193	47+52.54	
P.I. CURVE 1	573589.552	1545573.511	P.I. STA 50+81.93 BK. = P.I. STA 50+42.97 AHD.	
P.T. CURVE 1	573895.515	1545695.524	53+72.36	
P.C. CURVE 2	574147.439	1545795.988	56+43.58	
P.I. CURVE 2	574269.549	1545844.683	P.I. STA 57+75.04 BK. = P.I. STA 57+74.21 AHD.	
P.T. CURVE 2	574398.759	1545868.905	59+05.67	
P.C. CURVE 3	574952.877	1545972.783	64+69.44	
P.I. CURVE 3	575151.019	1546009.927	P.I. STA 66+71.03 BK. = P.I. STA 66+70.65 AHD.	
P.T. CURVE 3	575352.002	1546025.615	68+72.24	
P.C. CURVE 4	576412.505	1546108.396	79+35.97	
P.I. CURVE 4	576718.089	1546132.249	P.I. STA 82+42.48 BK. = P.I. STA 82+30.06 AHD.	
P.T. CURVE 4	576998.659	1546008.837	85+36.57	
P.C. CURVE 5	577903.567	1545610.803	95+25.15	
P.I. CURVE 5	578213.038	1545474.679	P.I. STA 98+63.24 BK. = P.I. STA 98+62.51 AHD.	
P.T. CURVE 5	578535.841	1545374.181	102+00.60	
P.C. CURVE 6	578962.608	1545241.318	106+47.58	
P.I. CURVE 6	579167.590	1545177.502	P.I. STA 108+62.27 BK. = P.I. STA 108+61.80 AHD.	
P.T. CURVE 6	579378.456	1545137.179	110+76.49	
P.C. CURVE 7	579693.193	1545076.994	113+96.93	
P.I. CURVE 7	579862.188	1545044.679	P.I. STA 115+68.99 BK. = P.I. STA 115+66.84 AHD.	
P.T. CURVE 7	580033.628	1545059.222	117+38.90	
P.C. CURVE 8	580409.505	1545091.109	121+16.12	
P.I. CURVE 8	580713.579	1545116.904	P.I. STA 124+21.29 BK. = P.I. STA 124+08.20 AHD.	
P.T. CURVE 8	580992.034	1544992.048	127+13.37	
P.C. CURVE 9	581125.278	1544932.303	128+59.39	
P.I. CURVE 9	581241.789	1544880.062	P.I. STA 129+87.08 BK. = P.I. STA 129+82.21 AHD.	
P.C.C. CURVE 9/10	581369.278	1544887.164	131+09.90	
P.I. CURVE 10	581470.375	1544892.796	P.I. STA 132+11.15 BK. = P.I. STA 132+09.66 AHD.	
P.T. CURVE 10	581565.370	1544927.842	133+10.91	
P.C. CURVE 11	581882.481	1545044.835	136+48.92	
P.I. CURVE 11	582070.129	1545114.064	P.I. STA 138+48.93 BK. = P.I. STA 138+48.36 AHD.	
P.T. CURVE 11	582247.129	1545207.206	140+48.37	
P.C. CURVE 12	582636.396	1545412.048	144+88.24	
P.I. CURVE 12	583066.875	1545638.577	P.I. STA 149+74.68 BK. = P.I. STA 149+54.23 AHD.	
P.T. CURVE 12	583553.250	1545630.370	154+40.67	
P.C. CURVE 13	583726.028	1545627.455	156+13.47	
P.I. CURVE 13	583865.361	1545625.104	P.I. STA 157+52.82 BK. = P.I. STA 157+49.69 AHD.	
P.T. CURVE 13	583996.240	1545672.960	158+89.04	
P.C. CURVE 14	584102.295	1545711.739	160+01.96	
P.I. CURVE 14	584254.672	1545767.455	P.I. STA 161+64.20 BK. = P.I. STA 161+58.58 AHD.	
P.T. CURVE 14	584416.023	1545750.457	163+20.82	
P.C. CURVE 15	584483.125	1545743.388	163+88.29	
P.I. CURVE 15	584731.949	1545717.174	P.I. STA 166+38.49 BK. = P.I. STA 166+35.91 AHD.	
P.T. CURVE 15	584979.562	1545753.065	168+86.11	
P.C. CURVE 16	585133.653	1545775.400	170+41.81	
P.I. CURVE 16	585339.954	1545805.303	P.I. STA 172+50.27 BK. = P.I. STA 172+49.59 AHD.	
P.T. CURVE 16	585540.136	1545863.451	174+58.05	
P.C. CURVE 17	586283.919	1546079.500	182+32.58	
P.I. CURVE 17	586361.816	1546102.127	P.I. STA 183+13.70 BK. = P.I. STA 183+13.69 AHD.	
P.T. CURVE 17	586439.337	1546126.015	183+94.81	

HORIZONTAL CONTROL TABLE

HCL POINT	COORDINATES NORTH	COORDINATES EAST	HCL STATION	DESCRIPTION
WARREN ROUTE 100				
P.C. CURVE 18	586503.140	1546145.676	184+61.57	
P.I. CURVE 18	586614.624	1546180.029	P.I. STA 185+78.23 BK. = P.I. STA 185+78.22 AHD.	
P.T. CURVE 18	586726.879	1546211.773	186+94.88	
P.C. CURVE 19	587112.273	1546320.756	190+95.38	
P.I. CURVE 19	587766.215	1546505.678	P.I. STA 197+74.96 BK. = P.I. STA 197+60.75 AHD.	
P.T. CURVE 19	588443.715	1546452.489	204+40.33	
P.C. CURVE 20	589351.670	1546381.206	213+51.08	
P.I. CURVE 20	590143.211	1546319.063	P.I. STA 221+45.06 BK. = P.I. STA 220+32.98 AHD.	
P.T. CURVE 20	590675.814	1546907.905	228+26.96	
P.C. CURVE 21	590853.044	1547103.850	230+91.16	
P.I. CURVE 21	591125.697	1547405.292	P.I. STA 234+97.62 BK. = P.I. STA 234+75.57 AHD.	
P.T. CURVE 21	591517.801	1547512.350	238+82.03	
P.C. CURVE 22	592034.784	1547653.505	244+17.93	
P.I. CURVE 22	592337.432	1547736.138	P.I. STA 247+31.66 BK. = P.I. STA 247+27.97 AHD.	
P.T. CURVE 22	592607.804	1547895.270	250+41.70	
P.C. CURVE 23	592766.872	1547988.892	252+26.27	
P.I. CURVE 23	592921.676	1548080.004	P.I. STA 254+05.90 BK. = P.I. STA 254+04.07 AHD.	
P.T. CURVE 23	593094.033	1548130.587	255+83.70	
P.C. CURVE 24	593401.660	1548220.870	259+04.31	
P.I. CURVE 24	593643.702	1548291.904	P.I. STA 261+56.56 BK. = P.I. STA 261+55.15 AHD.	
P.T. CURVE 24	593868.782	1548405.787	264+07.40	
P.C. CURVE 25	594804.946	1548879.452	274+56.57	
P.I. CURVE 25	595042.482	1548999.637	P.I. STA 277+22.78 BK. = P.I. STA 277+21.39 AHD.	
P.T. CURVE 25	595297.470	1549076.1117	279+87.60	
P.C. CURVE 26	596934.470	1549567.111	296+96.65	
P.I. CURVE 26	597178.534	1549640.315	P.I. STA 299+51.46 BK. = P.I. STA 299+48.09 AHD.	
P.T. CURVE 26	597433.328	1549642.900	302+02.90	
P.C. CURVE 27	597861.733	1549647.248	306+31.32	
P.I. CURVE 27	598149.013	1549650.163	P.I. STA 309+18.61 BK. = P.I. STA 308+80.48 AHD.	
P.T. CURVE 27	598328.311	1549874.640	311+67.77	
P.C. CURVE 28	598538.488	1550137.777	315+04.54	
P.I. CURVE 28	598662.718	1550293.311	P.I. STA 317+03.60 BK. = P.I. STA 317+01.68 AHD.	
P.T. CURVE 28	598820.373	1550414.837	319+00.74	
P.C. CURVE 29	599079.356	1550614.472	322+27.73	
P.I. CURVE 29	599286.789	1550774.370	P.I. STA 324+89.64 BK. = P.I. STA 324+81.75 AHD.	
P.C.C. CURVE 29/30	599541.675	1550834.609	327+43.65	
P.I. CURVE 30	599827.915	1550902.258	P.I. STA 330+37.78 BK. = P.I. STA 330+37.24 AHD.	
P.T. CURVE 30	600119.685	1550939.404	333+31.36	
P.I. END WARREN ROUTE 100	600303.886	1550962.854	P.I. STA 335+17.05	END WARREN ROUTE 100 STA 335+17.05 = WAITSFIELD ROUTE 100 STA 0+00.00

HORIZONTAL CONTROL TABLE SHEET #1

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048hvcl.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 152 OF 310

FILE NAME = U:\7762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4805

HORIZONTAL CONTROL TABLE

HCL POINT	COORDINATES NORTH	COORDINATES EAST	HCL STATION	DESCRIPTION
WAITSFIELD ROUTE 100				
P.I. BEGIN WAITSFIELD ROUTE 100	600303.886	1550962.854	P.I. STA 0+00.00	BEGIN WAITSFIELD ROUTE 100 STA 0+00.00 = WARREN ROUTE 100 STA 335+17.05
P.C. CURVE 31	600455.097	1550982.584	1+52.49	
P.I. CURVE 31	600697.500	1551014.211	P.I. STA 3+96.95 BK. = P.I. STA 3+89.78 AHD.	
P.T. CURVE 31	600906.078	1551141.704	6+34.24	
P.C. CURVE 32	601092.885	1551255.890	8+53.18	
P.I. CURVE 32	601272.017	1551365.384	P.I. STA 10+63.13 BK. = P.I. STA 10+61.59 AHD.	
P.T. CURVE 32	601469.981	1551435.294	12+71.54	
P.C. CURVE 33	602405.448	1551765.646	22+63.62	
P.I. CURVE 33	602509.647	1551802.443	P.I. STA 23+74.12 BK. = P.I. STA 23+73.91 AHD.	
P.T. CURVE 33	602617.265	1551827.536	24+84.41	
P.C. CURVE 34	602867.670	1551885.923	27+41.53	
P.I. CURVE 34	603035.730	1551925.110	P.I. STA 29+14.10 BK. = P.I. STA 29+09.96 AHD.	
P.T. CURVE 34	603177.376	1552023.680	30+82.53	
P.C. CURVE 35	603321.210	1552123.774	32+57.76	
P.I. CURVE 35	603443.083	1552208.584	P.I. STA 34+06.24 BK. = P.I. STA 34+03.27 AHD.	
P.T. CURVE 35	603586.492	1552247.055	35+51.75	
P.C. CURVE 36	603770.911	1552296.528	37+42.69	
P.I. CURVE 36	603899.432	1552331.006	P.I. STA 38+75.76 BK. = P.I. STA 38+75.57 AHD.	
P.T. CURVE 36	604024.256	1552377.108	40+08.64	
P.C CURVE 37	604193.144	1552439.484	41+88.67	
P.I. CURVE 37	604395.075	1552514.064	P.I. STA 44+03.93 BK. = P.I. STA 43+97.47 AHD.	
P.T. CURVE 37	604609.807	1552498.953	46+12.73	
P.C. CURVE 38	605045.976	1552468.257	50+49.98	
P.I. CURVE 38	605305.243	1552450.011	P.I. STA 53+09.89 BK. = P.I. STA 52+99.64 AHD.	
P.T. CURVE 38	605543.085	1552554.815	55+59.55	
P.C. CURVE 39	606280.720	1552879.853	63+65.63	
P.I. CURVE 39	606572.272	1553008.325	P.I. STA 66+84.23 BK. = P.I. STA 66+84.21 AHD.	
P.T. CURVE 39	606866.487	1553130.575	70+02.81	
P.C. CURVE 40	607185.895	1553263.294	73+48.69	
P.I. CURVE 40	607347.385	1553330.396	P.I. STA 75+23.57 BK. = P.I. STA 75+22.99 AHD.	
P.T. CURVE 40	607516.644	1553374.362	76+97.87	
P.C. CURVE 41	607751.713	1553435.422	79+40.74	
P.I. CURVE 41	607926.752	1553480.888	P.I. STA 81+21.59 BK. = P.I. STA 81+17.91 AHD.	
P.T. CURVE 41	608106.782	1553463.708	82+98.76	
P.C. CURVE 42	608535.191	1553422.825	87+29.11	
P.I. CURVE 42	608690.913	1553407.964	P.I. STA 88+85.54 BK. = P.I. STA 88+85.13 AHD.	
P.T. CURVE 42	608843.568	1553373.808	90+41.56	
P.C. CURVE 43	610403.806	1553024.707	106+40.38	
P.I. CURVE 43	610437.561	1553017.154	P.I. STA 106+74.97 BK. = P.I. STA 106+74.96 AHD.	
P.T. CURVE 43	610471.094	1553008.671	107+09.55	
P.C. CURVE 44	610578.096	1552981.600	108+19.93	
P.I. CURVE 44	611207.003	1552822.491	P.I. STA 114+68.65 BK. = P.I. STA 114+46.54 AHD.	
P.T. CURVE 44	611703.491	1552404.952	120+95.26	
P.C. CURVE 45	611877.678	1552258.463	123+22.86	
P.I. CURVE 45	611995.088	1552159.722	P.I. STA 124+76.27 BK. = P.I. STA 124+75.72 AHD.	
P.T. CURVE 45	612096.902	1552044.967	126+29.13	
END WAITSFIELD ROUTE 100	612054.223	1552091.636	125+66.40	END WAITSFIELD ROUTE 100 STA 125+66.40

HORIZONTAL CONTROL TABLE

HCL POINT	COORDINATES NORTH	COORDINATES EAST	HCL STATION	DESCRIPTION
MAIN STREET				
BEGIN MAIN STREET	589921.906	1546438.436	M 1+00.00	MAIN STREET STA 1+00.00 =
P.C. CURVE M1	589916.523	1546457.270	M 1+19.59	WARREN ROUTE 100 STA 219+27.23
P.I. CURVE M1	589907.000	1546490.585	P.I. STA. M 1+54.24 BK. = P.I. STA. M 1+45.54 AHD.	
P.T. CURVE M1	589872.463	1546493.368	M 1+80.19	
END MAIN STREET	589792.097	1546499.842	M 2+60.00	END MAIN STREET STA M 2+60.00

HORIZONTAL CONTROL TABLE SHEET #2

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048hvc2.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 153 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
LINEAR	POB	44+88.00	1144.03	103.00	-1.2849%					50
	POT	45+00.00	1143.88							
	POT	45+50.00	1143.23							
	PVC	45+91.00	1142.71							
SYMMETRICAL PARABOLA	PVC	45+91.00	1142.71	300.00	-1.2849%	-2.5262%	242	-0.47	948	50
	POC	46+00.00	1142.59							
	POC	46+50.00	1141.88							
	POC	47+00.00	1141.06							
	PVI	47+41.00	1140.78							
	POC	47+50.00	1140.14							
	POC	48+00.00	1139.12							
	POC	48+50.00	1137.99							
	PVT	48+91.00	1136.99							
LINEAR	PVT	48+91.00	1136.99	376.00	-2.5262%					50
	POT	49+00.00	1136.76							
	POT	49+50.00	1135.50							
	POT	50+00.00	1134.24							
	POT	50+50.00	1132.97							
	POT	51+00.00	1131.71							
	POT	51+50.00	1130.45							
	POT	52+00.00	1129.19							
	POT	52+50.00	1127.92							
	PVC	52+67.00	1127.49							
SYMMETRICAL PARABOLA	PVC	52+67.00	1127.49	80.00	-2.5262%	-3.6123%	74	-0.11	1033	50
	POC	53+00.00	1126.59							
	PVI	53+07.00	1126.48							
	PVT	53+47.00	1125.04							
LINEAR	PVT	53+47.00	1125.04	186.00	-3.6123%					50
	POT	53+50.00	1124.93							
	POT	54+00.00	1123.12							
	POT	54+50.00	1121.32							
	POT	55+00.00	1119.51							
	PVC	55+33.00	1118.32							
SYMMETRICAL PARABOLA	PVC	55+33.00	1118.32	200.00	-3.6123%	-1.6464%	102	0.49	1837	50
	POC	55+50.00	1117.72							
	POC	56+00.00	1116.12							
	PVI	56+33.00	1114.71							
	POC	56+50.00	1114.76							
	POC	57+00.00	1113.66							
	PVT	57+33.00	1113.06							
LINEAR	PVT	57+33.00	1113.06	103.00	-1.6464%					50
	POT	57+50.00	1112.78							
	POT	58+00.00	1111.96							
	PVC	58+36.00	1111.36							
SYMMETRICAL PARABOLA	PVC	58+36.00	1111.36	200.00	-1.6464%	-2.8677%	164	-0.31	983	50
	POC	58+50.00	1111.13							
	POC	59+00.00	1110.19							
	PVI	59+36.00	1109.72							
	POC	59+50.00	1109.09							
	POC	60+00.00	1107.84							
	PVT	60+36.00	1106.85							
LINEAR	PVT	60+36.00	1106.85	360.00	-2.8677%					50
	POT	60+50.00	1106.45							
	POT	61+00.00	1105.01							
	POT	61+50.00	1103.58							
	POT	62+00.00	1102.15							
	POT	62+50.00	1100.71							
	POT	63+00.00	1099.28							
	POT	63+50.00	1097.85							
	PVC	63+96.00	1096.53							
SYMMETRICAL PARABOLA	PVC	63+96.00	1096.53	350.00	-2.8677%	-1.1760%	207	0.74	825	50
	POC	64+00.00	1096.41							
	POC	64+50.00	1095.05							
	POC	65+00.00	1093.81							
	POC	65+50.00	1092.68							
	PVI	65+71.00	1091.51							
	POC	66+00.00	1091.68							
	POC	66+50.00	1090.80							
	POC	67+00.00	1090.04							
	PVT	67+46.00	1089.45							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
LINEAR	PVT	67+46.00	1089.45	96.00	-1.1760%					50
	POT	67+50.00	1089.40							
	POT	68+00.00	1088.81							
	PVC	68+42.00	1088.32							
SYMMETRICAL PARABOLA	PVC	68+42.00	1088.32	150.00	-1.1760%	-1.9609%	191	-0.15	1450	50
	POC	68+50.00	1088.23							
	POC	69+00.00	1087.55							
	PVI	69+17.00	1087.44							
	POC	69+50.00	1086.75							
	PVT	69+92.00	1085.97							
LINEAR	PVT	69+92.00	1085.97	627.50	-1.9609%					50
	POT	70+00.00	1085.81							
	POT	70+50.00	1084.83							
	POT	71+00.00	1083.85							
	POT	71+50.00	1082.87							
	POT	72+00.00	1081.89							
	POT	72+50.00	1080.91							
	POT	73+00.00	1079.93							
	POT	73+50.00	1078.95							
	POT	74+00.00	1077.97							
	POT	74+50.00	1076.99							
	POT	75+00.00	1076.01							
	POT	75+50.00	1075.03							
	POT	76+00.00	1074.05							
	PVC	76+19.50	1073.66							
SYMMETRICAL PARABOLA	PVC	76+19.50	1073.66	225.00	-1.9609%	1.9456%	58	1.10	297	50
	POC	76+50.00	1073.15							
	POC	77+00.00	1072.65							
	PVI	77+32.00	1071.46							
	VLOW	77+32.44	1072.56							
	POC	77+50.00	1072.58							
	POC	78+00.00	1072.95							
	PVT	78+44.50	1073.65							
LINEAR	PVT	78+44.50	1073.65	108.50	1.9456%					50
	POT	78+50.00	1073.75							
	POT	79+00.00	1074.73							
	POT	79+50.00	1075.70							
	PVC	79+53.00	1075.76							
SYMMETRICAL PARABOLA	PVC	79+53.00	1075.76	200.00	1.9456%	7.0193%	39	1.27	213	50
	POC	80+00.00	1076.95							
	POC	80+50.00	1078.84							
	PVI	80+53.00	1077.70							
	POC	81+00.00	1081.36							
	POC	81+50.00	1084.51							
	PVT	81+53.00	1084.72							
LINEAR	PVT	81+53.00	1084.72	210.00	7.0193%					50
	POT	82+00.00	1088.02							
	POT	82+50.00	1091.53							
	POT	83+00.00	1095.04							
	POT	83+50.00	1098.55							
	PVC	83+63.00	1099.46							
SYMMETRICAL PARABOLA	PVC	83+63.00	1099.46	700.00	7.0193%	-4.0888%	63	-9.72	369	50
	POC	84+00.00	1101.95							
	POC	84+50.00	1104.97							
	POC	85+00.00	1107.59							
	POC	85+50.00	1109.81							
	POC	86+00.00	1111.64							
	POC	86+50.00	1113.07							
	POC	87+00.00	1114.11							
	PVI	87+13.00	1124.03							
	POC	87+50.00	1114.74							
	POC	88+00.00	1114.99							

VERTICAL ALIGNMENT TABLE SHEET #1

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048va101.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 154 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	VHIGH	88+05.34	1114.99	700.00	7.0193%	-4.0888%	63	-9.72	369	50
	POC	88+50.00	1114.83							
	POC	89+00.00	1114.28							
	POC	89+50.00	1113.33							
	POC	90+00.00	1111.98							
	POC	90+50.00	1110.24							
	PVT	90+63.00	1109.72							
LINEAR	PVT	90+63.00	1109.72	422.00	-4.0888%					50
	POT	91+00.00	1108.21							
	POT	91+50.00	1106.16							
	POT	92+00.00	1104.12							
	POT	92+50.00	1102.07							
	POT	93+00.00	1100.03							
	POT	93+50.00	1097.98							
	POT	94+00.00	1095.94							
	POT	94+50.00	1093.90							
	PVC	94+85.00	1092.46							
SYMMETRICAL PARABOLA	PVC	94+85.00	1092.46	200.00	-4.0888%	-1.4018%	74	0.67	500	50
	POC	95+00.00	1091.87							
	POC	95+50.00	1090.09							
	PVI	95+85.00	1088.38							
	POC	96+00.00	1088.65							
	POC	96+50.00	1087.55							
	PVT	96+85.00	1086.97							
LINEAR	PVT	96+85.00	1086.97	525.00	-1.4018%					50
	POT	97+00.00	1086.76							
	POT	97+50.00	1086.06							
	POT	98+00.00	1085.36							
	POT	98+50.00	1084.66							
	POT	99+00.00	1083.96							
	POT	99+50.00	1083.26							
	POT	100+00.00	1082.56							
	POT	100+50.00	1081.86							
	POT	101+00.00	1081.16							
	POT	101+50.00	1080.46							
	POT	102+00.00	1079.75							
	PVC	102+10.00	1079.61							
SYMMETRICAL PARABOLA	PVC	102+10.00	1079.61	450.00	-1.4018%	-3.7189%	194	-1.30	691	50
	POC	102+50.00	1079.01							
	POC	103+00.00	1078.14							
	POC	103+50.00	1077.15							
	POC	104+00.00	1076.02							
	PVI	104+35.00	1076.46							
	POC	104+50.00	1074.77							
	POC	105+00.00	1073.38							
	POC	105+50.00	1071.87							
	POC	106+00.00	1070.23							
	POC	106+50.00	1068.46							
	PVT	106+60.00	1068.09							
LINEAR	PVT	106+60.00	1068.09	374.00	-3.7189%					50
	POT	107+00.00	1066.61							
	POT	107+50.00	1064.75							
	POT	108+00.00	1062.89							
	POT	108+50.00	1061.03							
	POT	109+00.00	1059.17							
	POT	109+50.00	1057.31							
	POT	110+00.00	1055.45							
	PVC	110+34.00	1054.18							
SYMMETRICAL PARABOLA	PVC	110+34.00	1054.18	300.00	-3.7189%	1.8300%	54	2.08	269	50
	POC	110+50.00	1053.61							
	POC	111+00.00	1052.13							
	POC	111+50.00	1051.12							
	PVI	111+84.00	1048.61							
	POC	112+00.00	1050.56							
	VLOW	112+35.02	1050.45							
	POC	112+50.00	1050.47							
	POC	113+00.00	1050.84							
	PVRC	113+34.00	1051.35							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	PVRC	113+34.00	1051.35	426.00	1.8300%	-5.7558%	56	-4.04	348	50
	POC	113+50.00	1051.62							
	POC	114+00.00	1052.17							
	VHIGH	114+36.82	1052.29							
	POC	114+50.00	1052.28							
	POC	115+00.00	1051.94							
	PVI	115+47.00	1055.25							
	POC	115+50.00	1051.15							
	POC	116+00.00	1049.92							
	POC	116+50.00	1048.25							
	POC	117+00.00	1046.13							
	POC	117+50.00	1043.56							
	PVT	117+60.00	1042.99							
LINEAR	PVT	117+60.00	1042.99	50.00	-5.7558%					50
	POT	118+00.00	1040.69							
	PVC	118+10.00	1040.12							
SYMMETRICAL PARABOLA	PVC	118+10.00	1040.12	230.00	-5.7558%	-2.1099%	63	1.05	327	50
	POC	118+50.00	1037.94							
	POC	119+00.00	1035.58							
	PVI	119+25.00	1033.50							
	POC	119+50.00	1033.61							
	POC	120+00.00	1032.04							
	PVT	120+40.00	1031.07							
LINEAR	PVT	120+40.00	1031.07	572.50	-2.1099%					50
	POC	120+50.00	1030.86							
	POC	121+00.00	1029.80							
	POC	121+50.00	1028.75							
	POC	122+00.00	1027.69							
	POC	122+50.00	1026.64							
	POC	123+00.00	1025.58							
	POC	123+50.00	1024.53							
	POC	124+00.00	1023.47							
	POC	124+50.00	1022.42							
	POC	125+00.00	1021.36							
	POC	125+50.00	1020.31							
	POC	126+00.00	1019.25							
	PVC	126+12.50	1018.99							
SYMMETRICAL PARABOLA	PVC	126+12.50	1018.99	325.00	-2.1099%	-7.1225%	65	-2.04	378	50
	POC	126+50.00	1018.09							
	POC	127+00.00	1016.55							
	POC	127+50.00	1014.63							
	PVI	127+75.00	1015.56							
	POC	128+00.00	1012.32							
	POC	128+50.00	1009.63							
	POC	129+00.00	1006.55							
	PVT	129+37.50	1003.99							
LINEAR	PVT	129+37.50	1003.99	164.50	-7.1225%					50
	POT	129+50.00	1003.10							
	POT	130+00.00	999.54							
	POT	130+50.00	995.98							
	POT	131+00.00	992.41							
	PVC	131+02.00	992.27							
SYMMETRICAL PARABOLA	PVC	131+02.00	992.27	430.00	-7.1225%	2.1806%	46	5.00	239	50
	POC	131+50.00	989.10							
	POC	132+00.00	986.33							
	POC	132+50.00	984.10							
	POC	133+00.00	982.41							
	PVI	133+17.00	976.96							
	POC	133+50.00	981.26							
	POC	134+00.00	980.65							
	VLOW	134+31.21	980.55							
	POC	134+50.00	980.59							
	POC	135+00.00	981.06							
	PVT	135+32.00	981.65							

VERTICAL ALIGNMENT TABLE SHEET #2

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat02.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 155 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
LINEAR	PVT	135+32.00	981.65	100.00	2.1806%					50
	POT	135+50.00	982.04							
	POT	136+00.00	983.13							
	PVC	136+32.00	983.83							
SYMMETRICAL PARABOLA	PVC	136+32.00	983.83	400.00	2.1806%	-1.3800%	112	-1.78	503	50
	POC	136+50.00	984.21							
	POC	137+00.00	985.10							
	POC	137+50.00	985.78							
	POC	138+00.00	986.23							
	PVI	138+32.00	988.19							
	POC	138+50.00	986.47							
	VHIGH	138+76.97	986.50							
	POC	139+00.00	986.47							
	POC	139+50.00	986.26							
	POC	140+00.00	985.82							
	PVT	140+32.00	985.43							
LINEAR	PVT	140+32.00	985.43	143.00	-1.3800%					50
	POT	140+50.00	985.18							
	POT	141+00.00	984.49							
	POT	141+50.00	983.80							
	PVC	141+75.00	983.46							
SYMMETRICAL PARABOLA	PVC	141+75.00	983.46	300.00	-1.3800%	-0.7405%	469	0.24	1749	50
	POC	142+00.00	983.12							
	POC	142+50.00	982.48							
	POC	143+00.00	981.90							
	PVI	143+25.00	981.39							
	POC	143+50.00	981.37							
	POC	144+00.00	980.89							
	POC	144+50.00	980.47							
	PVT	144+75.00	980.27							
LINEAR	PVT	144+75.00	980.27	183.00	-0.7405%					50
	POT	145+00.00	980.09							
	POT	145+50.00	979.72							
	POT	146+00.00	979.35							
	POT	146+50.00	978.98							
	PVC	146+58.00	978.92							
SYMMETRICAL PARABOLA	PVC	146+58.00	978.92	400.00	-0.7405%	-3.2045%	162	-1.23	638	50
	POC	147+00.00	978.55							
	POC	147+50.00	977.98							
	POC	148+00.00	977.25							
	POC	148+50.00	976.36							
	PVI	148+58.00	977.44							
	POC	149+00.00	975.32							
	POC	149+50.00	974.13							
	POC	150+00.00	972.78							
	POC	150+50.00	971.28							
	PVT	150+58.00	971.03							
LINEAR	PVT	150+58.00	971.03	142.00	-3.2045%					50
	POT	151+00.00	969.68							
	POT	151+50.00	968.08							
	PVC	152+00.00	966.48							
SYMMETRICAL PARABOLA	PVC	152+00.00	966.48	330.00	-3.2045%	3.6887%	48	2.84	246	50
	POC	152+50.00	965.14							
	POC	153+00.00	964.32							
	POC	153+50.00	964.02							
	VLOW	153+53.41	964.02							
	PVI	153+65.00	961.19							
	POC	154+00.00	964.25							
	POC	154+50.00	965.00							
	POC	155+00.00	966.27							
	PVT	155+30.00	967.28							
LINEAR	PVT	155+30.00	967.28	157.00	3.6887%					50
	POT	155+50.00	968.02							
	POT	156+00.00	969.86							
	POT	156+50.00	971.70							
	PVC	156+87.00	973.07							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	PVC	156+87.00	973.07	600.00	3.6887%	-5.7531%	64	-7.08	370	50
	POC	157+00.00	973.54							
	POC	157+50.00	975.08							
	POC	158+00.00	976.23							
	POC	158+50.00	976.99							
	POC	159+00.00	977.36							
	VHIGH	159+21.40	977.39							
	POC	159+50.00	977.33							
	PVI	159+87.00	984.14							
	POC	160+00.00	976.91							
	POC	160+50.00	976.09							
	POC	161+00.00	974.88							
	POC	161+50.00	973.28							
	POC	162+00.00	971.29							
	POC	162+50.00	968.90							
	PVT	162+87.00	966.88							
LINEAR	PVT	162+87.00	966.88	484.00	-5.7531%					50
	POT	163+00.00	966.13							
	POT	163+50.00	963.25							
	POT	164+00.00	960.37							
	POT	164+50.00	957.50							
	POT	165+00.00	954.62							
	POT	165+50.00	951.75							
	POT	166+00.00	948.87							
	POT	166+50.00	945.99							
	POT	167+00.00	943.12							
	POT	167+50.00	940.24							
	PVC	167+71.00	939.03							
SYMMETRICAL PARABOLA	PVC	167+71.00	939.03	400.00	-5.7531%	0.0628%	69	2.91	325	50
	POC	168+00.00	937.42							
	POC	168+50.00	934.94							
	POC	169+00.00	932.82							
	POC	169+50.00	931.06							
	PVI	169+71.00	927.52							
	POC	170+00.00	929.67							
	POC	170+50.00	928.64							
	POC	171+00.00	927.97							
	POC	171+50.00	927.67							
	VLOW	171+66.68	927.65							
	PVT	171+71.00	927.65							
LINEAR	PVT	171+71.00	927.65	75.00	0.0628%					
	POT	172+00.00	927.67							
	PVC	172+46.00	927.70							
SYMMETRICAL PARABOLA	PVC	172+46.00	927.70	250.00	0.0628%	1.2404%	212	0.37	844	50
	POC	172+50.00	927.70							
	POC	173+00.00	927.80							
	POC	173+50.00	928.02							
	PVI	173+71.00	927.78							
	POC	174+00.00	928.35							
	POC	174+50.00	928.81							
	PVT	174+96.00	929.33							
LINEAR	PVT	174+96.00	929.33	295.50	1.2404%					50
	POT	175+00.00	929.38							
	POT	175+50.00	930.00							
	POT	176+00.00	930.62							
	POT	176+50.00	931.24							
	POT	177+00.00	931.86							
	POT	177+50.00	932.48							
	PVC	177+91.00	932.99							

VERTICAL ALIGNMENT TABLE SHEET #3

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat03.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 156 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	PVC	177+91.00	932.99	425.00	1.2404%	2.4966%	338	0.67	1289	50
	POC	178+00.00	933.10							
	POC	178+50.00	933.77							
	POC	179+00.00	934.51							
	POC	179+50.00	935.33							
	POC	180+00.00	936.22							
	PVI	180+04.00	935.63							
	POC	180+50.00	937.19							
	POC	181+00.00	938.22							
	POC	181+50.00	939.34							
	POC	182+00.00	940.52							
	PVT	182+16.50	940.93							
LINEAR	PVT	182+16.50	940.93	497.00	2.4966%					50
	POT	182+50.00	941.77							
	POT	183+00.00	943.02							
	POT	183+50.00	944.27							
	POT	184+00.00	945.51							
	POT	184+50.00	946.76							
	POT	185+00.00	948.01							
	POT	185+50.00	949.26							
	POT	186+00.00	950.51							
	POT	186+50.00	951.76							
	POT	187+00.00	953.00							
	PVC	187+13.50	953.34							
SYMMETRICAL PARABOLA	PVC	187+13.50	953.34	425.00	2.4966%	-1.5438%	105	-2.15	480	50
	POC	187+50.00	954.19							
	POC	188+00.00	955.14							
	POC	188+50.00	955.86							
	POC	189+00.00	956.34							
	PVI	189+26.00	958.65							
	POC	189+50.00	956.59							
	VHIGH	189+76.11	956.62							
	POC	190+00.00	956.59							
	POC	190+50.00	956.36							
	POC	191+00.00	955.89							
	PVT	191+38.50	955.37							
LINEAR	PVT	191+38.50	955.37	278.50	-1.5438%					50
	POT	191+50.00	955.19							
	POT	192+00.00	954.42							
	POT	192+50.00	953.64							
	POT	193+00.00	952.87							
	POT	193+50.00	952.10							
	POT	194+00.00	951.33							
	PVC	194+17.00	951.07							
SYMMETRICAL PARABOLA	PVC	194+17.00	951.07	200.00	-1.5438%	-3.3994%	108	-0.46	681	50
	POC	194+50.00	950.51							
	POC	195+00.00	949.46							
	PVI	195+17.00	949.52							
	POC	195+50.00	948.19							
	POC	196+00.00	946.69							
	PVT	196+17.00	946.12							
LINEAR	PVT	196+17.00	946.12	144.00	-3.3994%					50
	POT	196+50.00	945.00							
	POT	197+00.00	943.30							
	POT	197+50.00	941.60							
	PVC	197+61.00	941.23							
SYMMETRICAL PARABOLA	PVC	197+61.00	941.23	350.00	-3.3994%	1.9964%	65	2.36	311	50
	POC	198+00.00	940.02							
	POC	198+50.00	938.81							
	POC	199+00.00	937.99							
	PVI	199+36.00	935.28							
	POC	199+50.00	937.56							
	VLOW	199+81.50	937.48							
	POC	200+00.00	937.51							
	POC	200+50.00	937.84							
	POC	201+00.00	938.56							
	PVT	201+11.00	938.77							
LINEAR	PVT	201+11.00	938.77	84.00	1.9964%					50
	POT	201+50.00	939.55							
	PVC	201+95.00	940.45							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	PVC	201+95.00	940.45	450.00	1.9964%	-4.9090%	65	-3.88	375	50
	POC	202+00.00	940.55							
	POC	202+50.00	941.32							
	POC	203+00.00	941.70							
	VHIGH	203+25.10	941.75							
	POC	203+50.00	941.70							
	POC	204+00.00	941.32							
	PVI	204+20.00	944.94							
	POC	204+50.00	940.55							
	POC	205+00.00	939.40							
	POC	205+50.00	937.87							
	POC	206+00.00	935.95							
	PVT	206+45.00	933.90							
LINEAR	PVT	206+45.00	933.90	525.00	-4.9090%					50
	POT	206+50.00	933.65							
	POT	207+00.00	931.20							
	POT	207+50.00	928.74							
	POT	208+00.00	926.29							
	POT	208+50.00	923.83							
	POT	209+00.00	921.38							
	POT	209+50.00	918.92							
	POT	210+00.00	916.47							
	POT	210+50.00	914.01							
	POT	211+00.00	911.56							
	POT	211+50.00	909.11							
	PVC	211+70.00	908.12							
SYMMETRICAL PARABOLA	PVC	211+70.00	908.12	300.00	-4.9090%	-2.0242%	104	1.08	558	50
	POT	212+00.00	906.69							
	POT	212+50.00	904.50							
	POT	213+00.00	902.55							
	PVI	213+20.00	900.76							
	POT	213+50.00	900.85							
	POT	214+00.00	899.38							
	POT	214+50.00	898.15							
	PVT	214+70.00	897.72							
LINEAR	PVT	214+70.00	897.72	696.50	-2.0242%					50
	POT	215+00.00	897.12							
	POT	215+50.00	896.10							
	POT	216+00.00	895.09							
	POT	216+50.00	894.08							
	POT	217+00.00	893.07							
	POT	217+50.00	892.06							
	POT	218+00.00	891.04							
	POT	218+50.00	890.03							
	POT	219+00.00	889.02							
	POT	219+50.00	888.01							
	POT	220+00.00	887.00							
	POT	220+50.00	885.98							
	POT	221+00.00	884.97							
	POT	221+50.00	883.96							
	PVC	221+66.50	883.62							
SYMMETRICAL PARABOLA	PVC	221+66.50	883.62	225.00	-2.0242%	4.7360%	33	1.90	187	50
	POC	222+00.00	883.12							
	VLOW	222+33.87	882.94							
	POC	222+50.00	882.98							
	PVI	222+79.00	881.35							
	POC	223+00.00	883.60							
	POC	223+50.00	884.97							
	PVT	223+91.50	886.68							

VERTICAL ALIGNMENT TABLE SHEET #4

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat04.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 157 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
LINEAR	PVT	223+91.50	886.68	119.50	4.7360%					50
	POT	224+00.00	887.08							
	POT	224+50.00	889.45							
	POT	225+00.00	891.81							
	PVC	225+11.00	892.34							
SYMMETRICAL PARABOLA	PVC	225+11.00	892.34	450.00	4.7360%	-0.9542%	79	-3.20	413	50
	POC	225+50.00	894.09							
	POC	226+00.00	896.05							
	POC	226+50.00	897.70							
	POC	227+00.00	899.03							
	PVI	227+36.00	902.99							
	POC	227+50.00	900.04							
	POC	228+00.00	900.74							
	POC	228+50.00	901.12							
	VHIGH	228+85.54	901.20							
	POC	229+00.00	901.19							
	POC	229+50.00	900.94							
	PVT	229+61.00	900.84							
LINEAR	PVT	229+61.00	900.84	444.00	-0.9542%					50
	POT	230+00.00	900.47							
	POT	230+50.00	899.99							
	POT	231+00.00	899.52							
	POT	231+50.00	899.04							
	POT	232+00.00	898.56							
	POT	232+50.00	898.09							
	POT	233+00.00	897.61							
	POT	233+50.00	897.13							
	POT	234+00.00	896.65							
	PVC	234+05.00	896.61							
SYMMETRICAL PARABOLA	PVC	234+05.00	896.61	300.00	-0.9542%	-4.9499%	75	-1.50	420	50
	POC	234+50.00	896.04							
	POC	235+00.00	895.10							
	POC	235+50.00	893.82							
	PVI	235+55.00	895.18							
	POC	236+00.00	892.21							
	POC	236+50.00	890.27							
	POC	237+00.00	888.00							
	PVT	237+05.00	887.75							
LINEAR	PVT	237+05.00	887.75	736.00	-4.9499%					50
	POT	237+50.00	885.52							
	POT	238+00.00	883.05							
	POT	238+50.00	880.57							
	POT	239+00.00	878.10							
	POT	239+50.00	875.62							
	POT	240+00.00	873.15							
	POT	240+50.00	870.67							
	POT	241+00.00	868.20							
	POT	241+50.00	865.72							
	POT	242+00.00	863.25							
	POT	242+50.00	860.77							
	POT	243+00.00	858.30							
	POT	243+50.00	855.82							
	POT	244+00.00	853.35							
	PVC	244+41.00	851.32							
SYMMETRICAL PARABOLA	PVC	244+41.00	851.32	350.00	-4.9499%	-2.2225%	128	1.19	693	50
	POT	244+50.00	850.88							
	POT	245+00.00	848.54							
	POT	245+50.00	846.39							
	POT	246+00.00	844.43							
	PVI	246+16.00	842.66							
	POT	246+50.00	842.68							
	POT	247+00.00	841.11							
	POT	247+50.00	839.75							
	PVT	247+91.00	838.77							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
LINEAR	PVT	247+91.00	838.77	439.50	-2.2225%					50
	POT	248+00.00	838.57							
	POT	248+50.00	837.46							
	POT	249+00.00	836.35							
	POT	249+50.00	835.23							
	POT	250+00.00	834.12							
	POT	250+50.00	833.01							
	POT	251+00.00	831.90							
	POT	251+50.00	830.79							
	POT	252+00.00	829.68							
	PVC	252+30.50	829.00							
SYMMETRICAL PARABOLA	PVC	252+30.50	829.00	325.00	-2.2225%	0.2715%	130	1.01	814	50
	POC	252+50.00	828.58							
	POC	253+00.00	827.64							
	POC	253+50.00	826.89							
	PVI	253+93.00	825.39							
	POC	254+00.00	826.34							
	POC	254+50.00	825.97							
	POC	255+00.00	825.80							
	VLOW	255+20.12	825.78							
	POC	255+50.00	825.82							
	PVT	255+55.00	825.83							
LINEAR	PVT	255+55.00	825.83	355.50	0.2715%					50
	POT	256+00.00	825.95							
	POT	256+50.00	826.09							
	POT	257+00.00	826.22							
	POT	257+50.00	826.36							
	POT	258+00.00	826.49							
	POT	258+50.00	826.63							
	POT	259+00.00	826.77							
	PVC	259+11.00	826.80							
SYMMETRICAL PARABOLA	PVC	259+11.00	826.80	300.00	0.2715%	3.9776%	81	1.39	386	50
	POC	259+50.00	827.00							
	POC	260+00.00	827.53							
	POC	260+50.00	828.37							
	PVI	260+61.00	827.20							
	POC	261+00.00	829.51							
	POC	261+50.00	830.97							
	POC	262+00.00	832.74							
	PVT	262+11.00	833.17							
LINEAR	PVT	262+11.00	833.17	42.00	3.9776%					50
	POT	262+50.00	834.72							
	PVC	262+53.00	834.84							
SYMMETRICAL PARABOLA	PVC	262+53.00	834.84	600.00	3.9776%	-4.8599%	68	-6.63	383	50
	POC	263+00.00	836.55							
	POC	263+50.00	838.00							
	POC	264+00.00	839.09							
	POC	264+50.00	839.82							
	POC	265+00.00	840.17							
	VHIGH	265+23.05	840.21							
	POC	265+50.00	840.16							
	PVI	265+53.00	846.77							
	POC	266+00.00	839.77							
	POC	266+50.00	839.02							
	POC	267+00.00	837.90							
	POC	267+50.00	836.42							
	POC	268+00.00	834.56							
	POC	268+50.00	832.34							
	PVT	265+53.00	832.19							
LINEAR	PVT	265+53.00	832.19	33.00	-4.8599%					50
	PVC	268+86.00	830.59							

VERTICAL ALIGNMENT TABLE SHEET #5

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat05.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 158 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4806

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	PVC	268+86.00	830.59	450.00	-4.8599%	-1.1325%	121	2.10	525	50
	POC	269+00.00	829.92							
	POC	269+50.00	827.65							
	POC	270+00.00	825.59							
	POC	270+50.00	823.73							
	POC	271+00.00	822.09							
	PVI	271+11.00	819.65							
	POC	271+50.00	820.64							
	POC	272+00.00	819.41							
	POC	272+50.00	818.39							
	POC	273+00.00	817.57							
	PVT	273+36.00	817.11							
LINEAR	PVT	273+36.00	817.11	579.00	-1.1325%					50
	POT	273+50.00	816.95							
	POT	274+00.00	816.38							
	POT	274+50.00	815.81							
	POT	275+00.00	815.25							
	POT	275+50.00	814.68							
	POT	276+00.00	814.12							
	POT	276+50.00	813.55							
	POT	277+00.00	812.98							
	POT	277+50.00	812.42							
	POT	278+00.00	811.85							
	POT	278+50.00	811.28							
	POT	279+00.00	810.72							
	PVC	279+15.00	810.55							
SYMMETRICAL PARABOLA	PVC	279+15.00	810.55	350.00	-1.1325%	-0.3375%	440	0.35	1648	50
	POC	279+50.00	810.17							
	POC	280+00.00	809.67							
	POC	280+50.00	809.23							
	PVI	280+90.00	808.57							
	POC	281+00.00	808.84							
	POC	281+50.00	808.51							
	POC	282+00.00	808.24							
	POC	282+50.00	808.03							
	PVT	282+65.00	807.98							
LINEAR	PVT	282+65.00	807.98	618.00	-0.3375%					50
	POT	283+00.00	807.86							
	POT	283+50.00	807.69							
	POT	284+00.00	807.52							
	POT	284+50.00	807.35							
	POT	285+00.00	807.18							
	POT	285+50.00	807.01							
	POT	286+00.00	806.85							
	POT	286+50.00	806.68							
	POT	287+00.00	806.51							
	POT	287+50.00	806.34							
	POT	288+00.00	806.17							
	POT	288+50.00	806.00							
	PVC	288+83.00	805.89							
SYMMETRICAL PARABOLA	PVC	288+83.00	805.89	400.00	-0.3375%	1.5400%	213	0.94	4479	50
	POC	289+00.00	805.84							
	POC	289+50.00	805.77							
	VLOW	289+54.87	805.77							
	POC	290+00.00	805.82							
	POC	290+50.00	805.98							
	PVI	290+83.00	805.22							
	POC	291+00.00	806.26							
	POC	291+50.00	806.66							
	POC	292+00.00	807.18							
	POC	292+50.00	807.81							
	PVRC	292+83.00	808.30							
SYMMETRICAL PARABOLA	PVRC	292+83.00	808.30	210.00	1.5400%	1.0300%	413	-0.13	2226	50
	POC	293+00.00	808.56							
	POC	293+50.00	809.28							
	PVI	293+88.00	809.92							
	POC	294+00.00	809.93							
	POC	294+50.00	810.53							
	PVRC	294+93.00	811.00							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	PVRC	294+93.00	811.00	76.00	1.0300%	1.4382%	187	0.04	755	50
	POC	295+00.00	811.07							
	PVI	295+31.00	811.39							
	POC	295+50.00	811.67							
	PVT	295+69.00	811.94							
LINEAR	PVT	295+69.00	811.94	94.00	1.4382%					
	POT	296+00.00	812.38							
	POT	296+50.00	813.10							
	PVC	296+63.00	813.29							
SYMMETRICAL PARABOLA	PVC	296+63.00	813.29	250.00	1.4382%	4.9226%	72	1.09	366	50
	POC	297+00.00	813.92							
	POC	297+50.00	815.07							
	PVI	297+88.00	815.09							
	POC	298+00.00	816.57							
	POC	298+50.00	818.42							
	POC	299+00.00	820.61							
	PVT	299+13.00	821.24							
LINEAR	PVT	299+13.00	821.24	85.50	4.9226%					50
	POT	299+50.00	823.06							
	PVC	299+98.50	825.45							
SYMMETRICAL PARABOLA	PVC	299+98.50	825.45	525.00	4.9226%	-6.3589%	47	-7.40	317	50
	POC	300+00.00	825.52							
	POC	300+50.00	827.70							
	POC	301+00.00	829.34							
	POC	301+50.00	830.44							
	POC	302+00.00	831.01							
	VHIGH	302+27.58	831.09							
	POC	302+50.00	831.03							
	PVI	302+61.00	838.37							
	POC	303+00.00	830.52							
	POC	303+50.00	829.48							
	POC	304+00.00	827.89							
	POC	304+50.00	825.77							
	POC	305+00.00	823.11							
	PVT	305+23.50	821.68							
LINEAR	PVT	305+23.50	821.68	320.50	-6.3589%					50
	POT	305+50.00	819.99							
	POT	306+00.00	816.82							
	POT	306+50.00	813.64							
	POT	307+00.00	810.46							
	POT	307+50.00	807.28							
	POT	308+00.00	804.10							
	PVC	308+44.00	801.30							
SYMMETRICAL PARABOLA	PVC	308+44.00	801.30	300.00	-6.3589%	0.0554%	47	2.41	241	50
	POC	308+50.00	800.92							
	POC	309+00.00	798.07							
	POC	309+50.00	795.76							
	PVI	309+94.00	791.76							
	POC	310+00.00	793.98							
	POC	310+50.00	792.74							
	POC	311+00.00	792.03							
	VLOW	311+41.41	791.84							
	PVT	311+44.00	791.84							
LINEAR	PVT	311+44.00	791.84	225.00	0.0554%					50
	POT	311+50.00	791.85							
	POT	312+00.00	791.88							
	POT	312+50.00	791.90							
	POT	313+00.00	791.93							
	POT	313+50.00	791.96							
	PVC	313+69.00	791.97							

VERTICAL ALIGNMENT TABLE SHEET #6

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat06.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 159 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
SYMMETRICAL PARABOLA	PVC	313+69.00	791.97	100.00	0.0554%	-1.0987%	87	-0.14	985	50
	VHIGH	313+73.80	791.97							
	POC	314+00.00	791.93							
	PVI	314+19.00	792.00							
	POC	314+50.00	791.64							
	PVT	314+69.00	791.45							
LINEAR	PVT	314+69.00	791.45	44.00	-1.0987%					50
	POC	315+00.00	791.11							
	PVC	315+13.00	790.96							
SYMMETRICAL PARABOLA	PVC	315+13.00	790.96	120.00	-1.0987%	0.7006%	67	0.27	6248	50
	POC	315+50.00	790.66							
	PVI	315+73.00	790.30							
	VLOW	315+86.28	790.56							
	POC	316+00.00	790.58							
	PVT	316+33.00	790.72							
LINEAR	PVT	316+33.00	790.72	72.50	0.7006%					50
	POT	316+50.00	790.84							
	POT	317+00.00	791.19							
	PVC	317+05.50	791.23							
SYMMETRICAL PARABOLA	PVC	317+05.50	791.23	225.00	0.7006%	3.6483%	76	0.83	444	50
	POC	317+50.00	791.67							
	POC	318+00.00	792.48							
	PVI	318+18.00	792.02							
	POC	318+50.00	793.61							
	POC	319+00.00	795.07							
	PVT	319+30.50	796.13							
LINEAR	PVT	319+30.50	796.13	44.50	3.6483%					50
	POT	319+50.00	796.84							
	PVC	319+75.00	797.75							
SYMMETRICAL PARABOLA	PVC	319+75.00	797.75	100.00	3.6483%	1.2594%	42	-0.30	502	50
	POC	320+00.00	798.59							
	PVI	320+25.00	799.57							
	POC	320+50.00	799.81							
	PVT	320+75.00	800.20							
LINEAR	PVT	320+75.00	800.20	21.50	1.2594%					50
	PVC	320+96.50	800.47							
SYMMETRICAL PARABOLA	PVC	320+96.50	800.47	185.00	1.2594%	0.2362%	181	-0.24	1147	50
	POC	321+00.00	800.52							
	POC	321+50.00	801.07							
	PVI	321+89.00	801.64							
	POC	322+00.00	801.48							
	POC	322+50.00	801.75							
	PVT	322+81.50	801.86							
LINEAR	PVT	322+81.50	801.86	37.00	0.2362%					50
	POT	323+00.00	801.90							
	PVC	323+18.50	801.94							
SYMMETRICAL PARABOLA	PVC	323+18.50	801.94	75.00	0.2362%	-3.2459%	22	-0.33	347	50
	VHIGH	323+23.59	801.95							
	POC	323+50.00	801.79							
	PVI	323+56.00	802.03							
	PVT	323+93.50	800.82							
LINEAR	PVT	323+93.50	800.82	53.50	-3.2459%					50
	POT	324+00.00	800.60							
	PVC	324+47.00	799.08							
SYMMETRICAL PARABOLA	PVC	324+47.00	799.08	100.00	-3.2459%	-5.6492%	42	-0.30	499	50
	POC	324+50.00	798.98							
	PVI	324+97.00	797.46							
	POC	325+00.00	797.02							
	PVT	325+47.00	794.63							
LINEAR	PVT	325+47.00	794.63	66.00	-5.6492%					50
	POT	325+50.00	794.46							
	POT	326+00.00	791.64							
	PVC	326+13.00	790.90							
SYMMETRICAL PARABOLA	PVC	326+13.00	790.90	200.00	-5.6492%	-0.1718%	37	1.37	201	50
	POT	326+50.00	789.00							
	POT	327+00.00	787.02							
	PVI	327+13.00	785.25							
	POT	327+50.00	785.73							
	POT	328+00.00	785.13							
	PVT	328+13.00	785.08							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WARREN ROUTE 100										
LINEAR	PVT	328+13.00	785.08	321.50	-0.1718%					50
	POT	328+50.00	785.02							
	POT	329+00.00	784.93							
	POT	329+50.00	784.85							
	POT	330+00.00	784.76							
	POT	330+50.00	784.67							
	POT	331+00.00	784.59							
	PVC	331+34.50	784.53							
SYMMETRICAL PARABOLA	PVC	331+34.50	784.53	175.00	-0.1718%	-1.6779%	116	-0.33	804	50
	POC	331+50.00	784.49							
	POC	332+00.00	784.23							
	PVI	332+22.00	784.38							
	POC	332+50.00	783.76							
	POC	333+00.00	783.07							
	PVT	333+09.50	782.91							
LINEAR	PVT	333+09.50	782.91	127.55	-1.6779%					50
	POT	333+50.00	782.23							
	POT	334+00.00	781.39							
	PVC	334+37.05	780.77							
SYMMETRICAL PARABOLA	PVC	334+37.05	380.77	80.00	-1.6779%	-1.2360%	181	0.04	732	50
	POC	334+50.00	780.56							
	PVI	334+77.05	780.10							
	POC	335+00.00	779.82							
	PVT	335+17.05	779.61							
MAIN STREET										
LINEAR	POB	1+00.00	888.48	15.00	-5.9000%					25
	PVI	1+15.00	887.59							
LINEAR	PVI	1+15.00	887.59	45.00	1.1642%					25
	POT	1+50.00	888.00							
	PVC	1+60.00	888.12							
SYMMETRICAL PARABOLA	PVC	1+60.00	888.12	100.00	1.1642%	-1.7823%	34	-0.37	416	25
	VHIGH	1+99.51	888.35							
	POC	2+00.00	888.35							
	PVI	2+10.00	888.70							
	POC	2+50.00	887.97							
	PVT	2+60.00	887.81							

VERTICAL ALIGNMENT TABLE SHEET #7

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat07.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 160 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WAITSFIELD ROUTE 100										
SYMMETRICAL PARABOLA	PVC	0+00.00	779.61	20.00	-1.2360%	-0.1481%	18	0.03	319	50
	PVI	0+10.00	779.48							
	PVT	0+20.00	779.47							
LINEAR	PVT	0+20.00	779.47	346.00	-0.1481%					50
	POT	0+50.00	779.42							
	POT	1+00.00	779.35							
	POT	1+50.00	779.27							
	POT	2+00.00	779.20							
	POT	2+50.00	779.13							
	POT	3+00.00	779.05							
	POT	3+50.00	778.98							
	PVC	3+66.00	778.95							
SYMMETRICAL PARABOLA	PVC	3+66.00	778.95	400.00	-0.1481%	-1.2372%	367	-0.55	1191	50
	POC	4+00.00	778.89							
	POC	4+50.00	778.73							
	POC	5+00.00	778.51							
	POC	5+50.00	778.22							
	PVI	5+66.00	778.66							
	POC	6+00.00	777.86							
	POC	6+50.00	777.44							
	POC	7+00.00	776.94							
	POC	7+50.00	776.38							
	PVRC	7+66.00	776.18							
SYMMETRICAL PARABOLA	PVRC	7+66.00	776.18	624.00	-1.2372%	-0.1229%	560	0.87	1280	50
	POC	8+00.00	775.77							
	POC	8+50.00	775.21							
	POC	9+00.00	774.69							
	POC	9+50.00	774.21							
	POC	10+00.00	773.78							
	POC	10+50.00	773.39							
	PVI	10+78.00	772.32							
	POC	11+00.00	773.05							
	POC	11+50.00	772.75							
	POC	12+00.00	772.50							
	POC	12+50.00	772.29							
	POC	13+00.00	772.12							
	POC	13+50.00	772.00							
	PVT	13+90.00	771.94							
LINEAR	PVT	13+90.00	771.94	50.00	-0.1229%					50
	POT	14+00.00	771.93							
	PVC	14+40.00	771.88							
SYMMETRICAL PARABOLA	PVC	14+40.00	771.88	250.00	-0.1229%	3.7258%	65	1.20	325	50
	VLOW	14+47.98	771.87							
	POC	14+50.00	771.87							
	POC	15+00.00	772.08							
	POC	15+50.00	772.67							
	PVI	15+65.00	771.72							
	POC	16+00.00	773.65							
	POC	16+50.00	775.02							
	PVT	16+90.00	776.38							
LINEAR	PVT	16+90.00	776.38	40.00	3.7258%					50
	POT	17+00.00	776.75							
	PVC	17+30.00	777.87							
SYMMETRICAL PARABOLA	PVC	17+30.00	777.87	250.00	3.7258%	2.5100%	206	-0.38	1015	50
	POC	17+50.00	778.61							
	POC	18+00.00	780.36							
	POC	18+50.00	781.99							
	PVI	18+55.00	782.53							
	POC	19+00.00	783.51							
	POC	19+50.00	784.90							
	PVCC	19+80.00	785.67							
SYMMETRICAL PARABOLA	PVCC	19+80.00	785.67	340.00	2.5100%	-6.7393%	37	-3.93	282	50
	POC	20+00.00	786.12							
	POC	20+50.00	786.76							
	VHIGH	20+72.36	786.83							
	POC	21+00.00	786.73							
	PVI	21+50.00	786.01							
	POC	22+00.00	784.62							
	POC	22+50.00	782.54							
	POC	23+00.00	779.78							
	PVT	23+20.00	778.49							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WAITSFIELD ROUTE 100										
LINEAR	PVT	23+20.00	778.49	144.00	-6.7393%					50
	POT	23+50.00	776.47							
	POT	24+00.00	773.10							
	POT	24+50.00	769.73							
	PVC	24+64.00	768.78							
SYMMETRICAL PARABOLA	PVC	24+64.00	768.78	300.00	-6.7393%	7.1712%	22	5.22	138	50
	POC	25+00.00	766.66							
	POC	25+50.00	764.70							
	POC	26+00.00	763.91							
	VLOW	26+09.34	763.89							
	PVI	26+14.00	758.67							
	POC	26+50.00	764.27							
	POC	27+00.00	765.79							
	POC	27+50.00	768.47							
	PVT	27+64.00	769.43							
LINEAR	PVT	27+64.00	769.43	69.00	7.1712%					50
	POT	28+00.00	772.01							
	PVC	28+33.00	774.38							
SYMMETRICAL PARABOLA	PVC	28+33.00	774.38	300.00	7.1712%	6.7893%	785	-0.14	2975	50
	POC	28+50.00	775.60							
	POC	29+00.00	779.16							
	POC	29+50.00	782.68							
	PVI	29+83.00	785.14							
	POC	30+00.00	786.18							
	POC	30+50.00	789.64							
	POC	31+00.00	793.07							
	PVT	31+33.00	795.32							
LINEAR	PVT	31+33.00	795.32	122.50	6.7893%					50
	POT	31+50.00	796.47							
	POT	32+00.00	799.87							
	POT	32+50.00	803.26							
	PVC	32+55.00	803.64							
SYMMETRICAL PARABOLA	PVC	32+55.00	803.64	475.00	6.7893%	-2.3437%	52	-5.42	335	50
	POC	33+00.00	806.47							
	POC	33+50.00	809.19							
	POC	34+00.00	811.44							
	POC	34+50.00	813.21							
	PVI	34+93.00	819.76							
	POC	35+00.00	814.49							
	POC	35+50.00	815.29							
	POC	36+00.00	815.62							
	VHIGH	36+08.61	815.62							
	POC	36+50.00	815.46							
	POC	37+00.00	814.82							
	PVT	37+30.50	814.20							
LINEAR	PVT	37+30.50	814.20	345.50	-2.3437%					50
	POT	37+50.00	813.74							
	POT	38+00.00	812.57							
	POT	38+50.00	811.39							
	POT	39+00.00	810.22							
	POT	39+50.00	809.05							
	POT	40+00.00	807.88							
	POT	40+50.00	806.71							
	PVC	40+76.00	806.10							

VERTICAL ALIGNMENT TABLE SHEET #8

PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat08.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 161 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WAITSFIELD ROUTE 100										
SYMMETRICAL PARABOLA	PVC	40+76.00	806.10	220.00	-2.3437%	-0.5277%	121	0.50	6053	50
	POC	41+00.00	805.56							
	POC	41+50.00	804.59							
	PVI	41+86.00	803.52							
	POC	42+00.00	803.83							
	POC	42+50.00	803.27							
	PVT	42+96.00	802.94							
LINEAR	PVT	42+96.00	802.94	735.00	-0.5277%					50
	POT	43+00.00	802.92							
	POT	43+50.00	802.65							
	POT	44+00.00	802.39							
	POT	44+50.00	802.13							
	POT	45+00.00	801.86							
	POT	45+50.00	801.60							
	POT	46+00.00	801.34							
	POT	46+50.00	801.07							
	POT	47+00.00	800.81							
	POT	47+50.00	800.54							
	POT	48+00.00	800.28							
	POT	48+50.00	800.02							
	POT	49+00.00	799.75							
	POT	49+50.00	799.49							
	POT	50+00.00	799.22							
	PVC	50+31.00	799.06							
SYMMETRICAL PARABOLA	PVC	50+31.00	799.06	100.00	-0.5277%	-2.2564%	58	-0.22	674	50
	POC	50+50.00	798.93							
	PVI	50+81.00	798.80							
	POC	51+00.00	798.29							
	PVT	51+31.00	797.67							
LINEAR	PVT	51+31.00	797.67	214.50	-2.2564%					50
	POT	51+50.00	797.24							
	POT	52+00.00	796.11							
	POT	52+50.00	794.98							
	POT	53+00.00	793.86							
	PVC	53+45.50	792.83							
SYMMETRICAL PARABOLA	PVC	53+45.50	792.83	125.00	-2.2564%	-0.7268%	82	0.24	374	50
	POC	53+50.00	792.73							
	POC	54+00.00	791.78							
	PVI	54+08.00	791.42							
	POC	54+50.00	791.14							
	PVT	54+70.50	790.96							
LINEAR	PVT	54+70.50	790.96	181.50	-0.7268%					50
	POT	55+00.00	790.75							
	POT	55+50.00	790.39							
	POT	56+00.00	790.02							
	POT	56+50.00	789.66							
	PVC	56+52.00	789.65							
SYMMETRICAL PARABOLA	PVC	56+52.00	789.65	150.00	-0.7268%	-0.2435%	310	0.09	1191	50
	POC	57+00.00	789.33							
	PVI	57+27.00	789.10							
	POC	57+50.00	789.09							
	POC	58+00.00	788.92							
	PVRC	58+02.00	788.92							
SYMMETRICAL PARABOLA	PVRC	58+02.00	788.92	575.00	-0.2435%	-0.9723%	789	-0.52	1769	50
	POC	58+50.00	788.79							
	POC	59+00.00	788.62							
	POC	59+50.00	788.42							
	POC	60+00.00	788.19							
	POC	60+50.00	787.92							
	PVI	60+90.00	788.22							
	POC	61+00.00	787.63							
	POC	61+50.00	787.30							
	POC	62+00.00	786.94							
	POC	62+50.00	786.56							
	POC	63+00.00	786.13							
	POC	63+50.00	785.68							
	PVT	63+77.50	785.42							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WAITSFIELD ROUTE 100										
LINEAR	PVT	63+77.00	785.42	199.00	-0.9723%					50
	POT	64+00.00	785.20							
	POT	64+50.00	784.71							
	POT	65+00.00	784.23							
	POT	65+50.00	783.74							
	PVC	65+76.50	783.49							
SYMMETRICAL PARABOLA	PVC	65+76.50	783.49	275.00	-0.9723%	-7.0261%	45	-2.08	316	50
	POC	66+00.00	783.20							
	POC	66+50.00	782.18							
	POC	67+00.00	780.61							
	PVI	67+14.00	782.15							
	POC	67+50.00	778.49							
	POC	68+00.00	775.81							
	POC	68+50.00	772.59							
	PVT	68+51.50	772.49							
LINEAR	PVT	68+51.50	772.49	252.50	-7.0261%					50
	POT	69+00.00	769.08							
	POT	69+50.00	765.57							
	POT	70+00.00	762.05							
	POT	70+50.00	758.54							
	POT	71+00.00	755.03							
	PVC	71+04.00	754.75							
SYMMETRICAL PARABOLA	PVC	71+04.00	754.75	210.00	-7.0261%	0.4098%	28	1.95	167	50
	POC	71+50.00	751.89							
	POC	72+00.00	749.63							
	PVI	72+09.00	747.37							
	POC	72+50.00	748.26							
	POC	73+00.00	747.78							
	VLOW	73+02.43	747.78							
	PVT	73+14.00	747.80							
LINEAR	PVT	73+14.00	747.80	113.00	0.4098%					50
	POT	73+50.00	747.95							
	POT	74+00.00	748.15							
	PVC	74+27.00	748.26							
SYMMETRICAL PARABOLA	PVC	74+27.00	748.26	200.00	0.4098%	-1.0071%	141	-0.35	862	50
	POC	74+50.00	748.34							
	VHIGH	74+84.84	748.38							
	POC	75+00.00	748.37							
	PVI	75+27.00	748.67							
	POC	75+50.00	748.23							
	POC	76+00.00	747.91							
	PVT	76+27.00	747.67							
LINEAR	PVT	76+27.00	747.67	392.00	-1.0071%					50
	POT	76+50.00	747.43							
	POT	77+00.00	746.93							
	POT	77+50.00	746.43							
	POT	78+00.00	745.92							
	POT	78+50.00	745.42							
	POT	79+00.00	744.92							
	POT	79+50.00	744.41							
	POT	80+00.00	743.91							
	PVC	80+19.00	743.72							
SYMMETRICAL PARABOLA	PVC	80+19.00	743.72	800.00	-1.0071%	0.4732%	540	1.48	2000	50
	POC	80+50.00	743.42							
	POC	81+00.00	742.96							
	POC	81+50.00	742.56							
	POC	82+00.00	742.20							
	POC	82+50.00	741.89							
	POC	83+00.00	741.62							
	POC	83+50.00	741.40							
	POC	84+00.00	741.22							
	PVI	84+19.00	739.69							
	POC	84+50.00	741.10							

VERTICAL ALIGNMENT TABLE SHEET #9

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat09.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 162 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WAITSFIELD ROUTE 100										
SYMMETRICAL PARABOLA	POC	85+00.00	741.01	800.00	-1.0071%	0.4732%	540	1.48	2000	50
	POC	85+50.00	740.98							
	VLOW	85+63.26	740.98							
	POC	86+00.00	740.99							
	POC	86+50.00	741.05							
	POC	87+00.00	741.15							
	POC	87+50.00	741.30							
	POC	88+00.00	741.50							
	PVT	88+19.00	741.58							
LINEAR	PVT	88+19.00	741.58	146.00	0.4732%					50
	POT	88+50.00	741.73							
	POT	89+00.00	741.97							
	POT	89+50.00	742.20							
	PVC	89+65.00	742.27							
SYMMETRICAL PARABOLA	PVC	89+65.00	742.27	300.00	0.4732%	-2.2385%	111	-1.02	548	50
	POC	90+00.00	742.38							
	VHIGH	90+17.35	742.40							
	POC	90+50.00	742.35							
	POC	91+00.00	742.09							
	PVI	91+15.00	742.98							
	POC	91+50.00	741.60							
	POC	92+00.00	740.89							
	POC	92+50.00	739.95							
	PVT	92+65.00	739.63							
LINEAR	PVT	92+65.00	739.63	498.00	-2.2385%					50
	POT	93+00.00	738.84							
	POT	93+50.00	737.72							
	POT	94+00.00	736.60							
	POT	94+50.00	735.48							
	POT	95+00.00	734.37							
	POT	95+50.00	733.25							
	POT	96+00.00	732.13							
	POT	96+50.00	731.01							
	POT	97+00.00	729.89							
	POT	97+50.00	728.77							
	PVC	97+63.00	728.48							
SYMMETRICAL PARABOLA	PVC	97+63.00	728.48	300.00	-2.2385%	1.4553%	81	1.39	388	40
	POC	98+00.00	727.73							
	POC	98+50.00	727.00							
	POC	99+00.00	726.57							
	PVI	99+13.00	725.12							
	VLOW	99+44.80	726.44							
	POC	99+50.00	726.45							
	POC	100+00.00	726.63							
	POC	100+50.00	727.12							
	PVT	100+63.00	727.30							
LINEAR	PVT	100+63.00	727.30	111.00	1.4553%					40
	POT	101+00.00	727.84							
	POT	101+50.00	728.57							
	PVC	101+74.00	728.92							
SYMMETRICAL PARABOLA	PVC	101+74.00	728.92	50.00	1.4553%	-1.3099%	18	-0.17	415	40
	PVI	101+99.00	729.28							
	POC	102+00.00	729.11							
	VHIGH	102+00.31	729.11							
	PVT	102+24.00	728.96							
LINEAR	PVT	102+24.00	728.96	138.00	-1.3099%					40
	POT	102+50.00	728.61							
	POT	103+00.00	727.96							
	POT	103+50.00	727.31							
	PVC	103+62.00	727.15							
SYMMETRICAL PARABOLA	PVC	103+62.00	727.15	150.00	-1.3099%	-0.1925%	134	0.21	565	40
	POC	104+00.00	726.70							
	PVI	104+37.00	726.17							
	POC	104+50.00	726.28							
	POC	105+00.00	726.05							
	PVT	105+12.00	726.02							

VERTICAL ALIGNMENT TABLE

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD	DESIGN SPEED
WAITSFIELD ROUTE 100										
LINEAR	PVT	105+12.00	726.02	1591.00	-0.1925%					40
	POT	105+50.00	725.95							
	POT	106+00.00	725.85							
	POT	106+50.00	725.76							
	POT	107+00.00	725.66							
	POT	107+50.00	725.56							
	POT	108+00.00	725.47							
	POT	108+50.00	725.37							
	POT	109+00.00	725.27							
	POT	109+50.00	725.18							
	POT	110+00.00	725.08							
	POT	110+50.00	724.99							
	POT	111+00.00	724.89							
	POT	111+50.00	724.79							
	POT	112+00.00	724.70							
	POT	112+50.00	724.60							
	POT	113+00.00	724.50							
	POT	113+50.00	724.41							
	POT	114+00.00	724.31							
	POT	114+50.00	724.22							
	POT	115+00.00	724.12							
	POT	115+50.00	724.02							
	POT	116+00.00	723.93							
	POT	116+50.00	723.83							
	POT	117+00.00	723.73							
	POT	117+50.00	723.64							
	POT	118+00.00	723.54							
	POT	118+50.00	723.44							
	POT	119+00.00	723.35							
	POT	119+50.00	723.25							
	POT	120+00.00	723.16							
	POT	120+50.00	723.06							
	POT	121+00.00	722.96							
	PVC	121+03.00	722.96							
SYMMETRICAL PARABOLA	PVC	121+03.00	722.96	210.00	-0.1925%	1.2016%	151	0.37	624	40
	VLOW	121+32.00	722.93							
	POC	121+50.00	722.94							
	POC	122+00.00	723.08							
	PVI	122+08.00	722.76							
	POC	122+50.00	723.39							
	POC	123+00.00	723.87							
	PVT	123+13.00	724.02							
LINEAR	PVT	123+13.00	724.02	45.00	1.2016%					40
	POT	123+50.00	724.46							
	PVC	123+58.00	724.56							
SYMMETRICAL PARABOLA	PVC	123+58.00	724.56	50.00	1.2016%	-0.6596%	27	-0.12	605	40
	PVI	123+83.00	724.86							
	VHIGH	123+90.28	724.75							
	POC	124+00.00	724.73							
	PVT	124+08.00	724.69							
LINEAR	PVT	124+08.00	724.69	20.50	-0.6596%					40
	PVC	124+28.50	724.56							
SYMMETRICAL PARABOLA	PVC	124+28.50	724.56	125.00	-0.6596%	-1.6236%	130	-0.12	1182	40
	POC	124+50.00	724.40							
	PVI	124+91.00	724.15							
	POC	125+00.00	723.89							
	POC	125+50.00	723.19							
	PVT	125+53.50	723.13							
LINEAR	PVT	125+53.50	723.13	12.90	-1.6236%					40
	POE	126+66.40	722.92							

VERTICAL ALIGNMENT TABLE SHEET #10

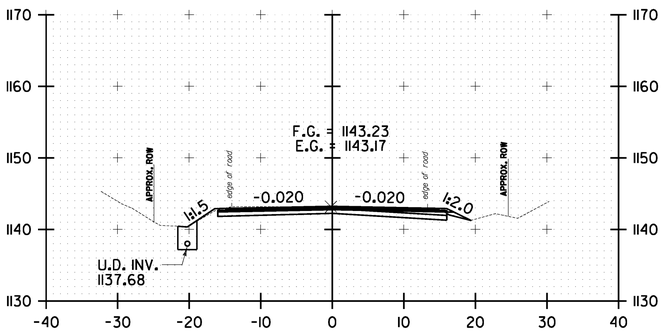
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048vat10.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 163 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4085



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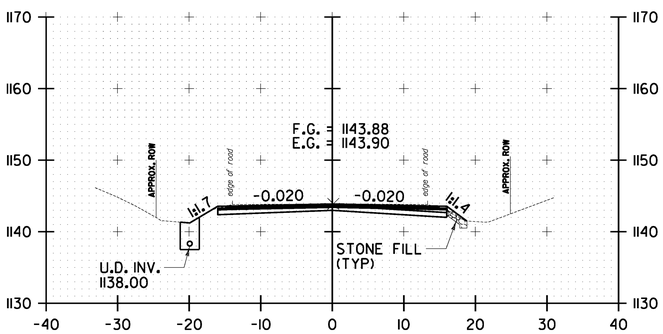

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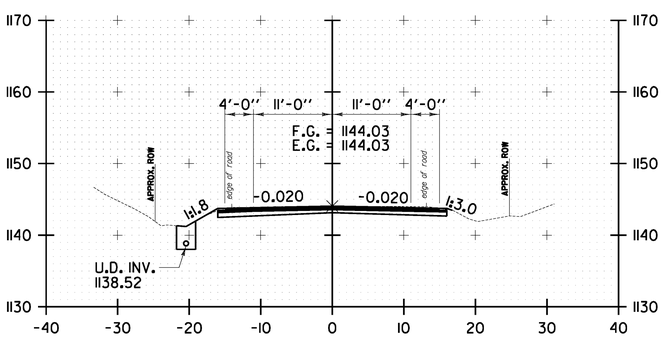

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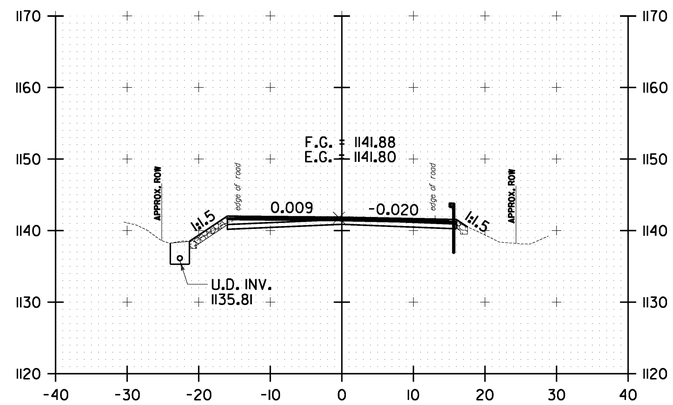

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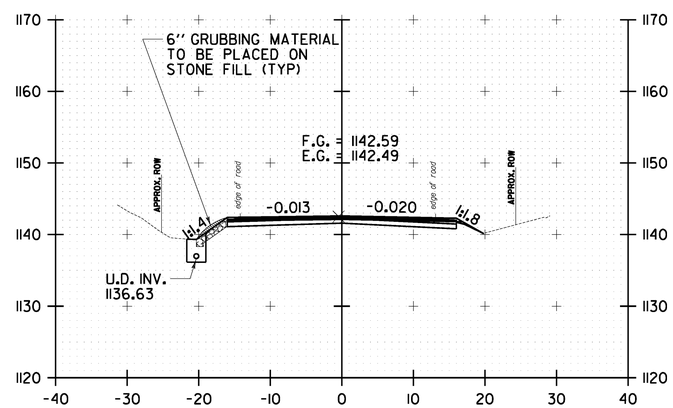

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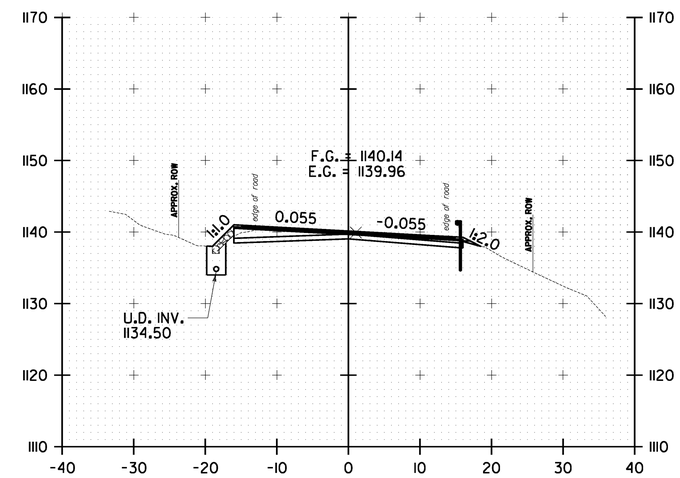

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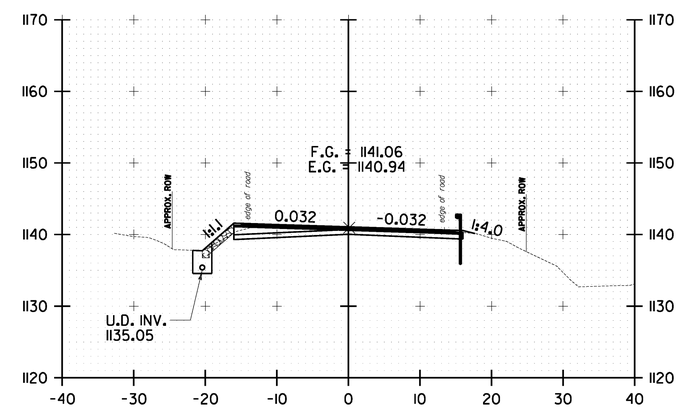

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10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #1

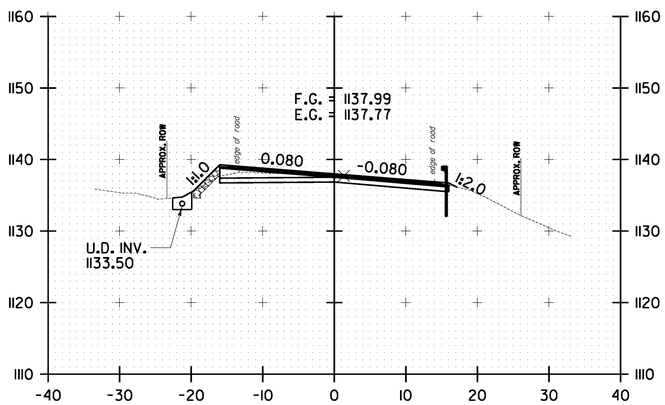
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 164 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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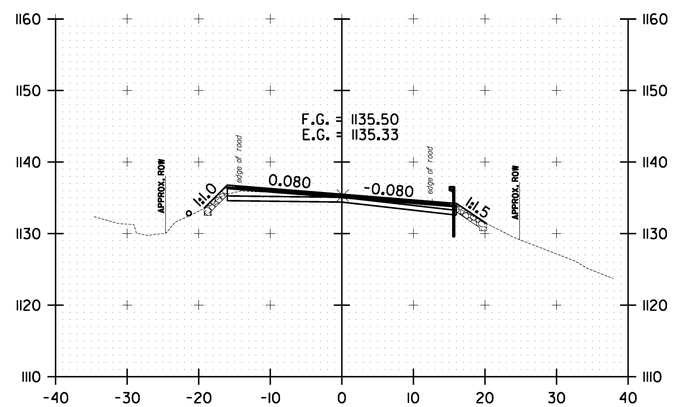

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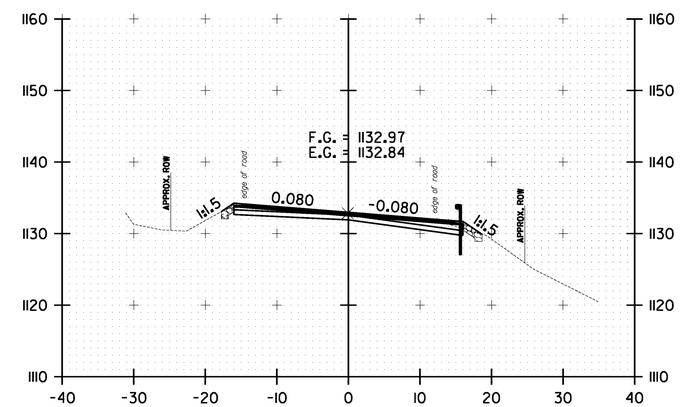

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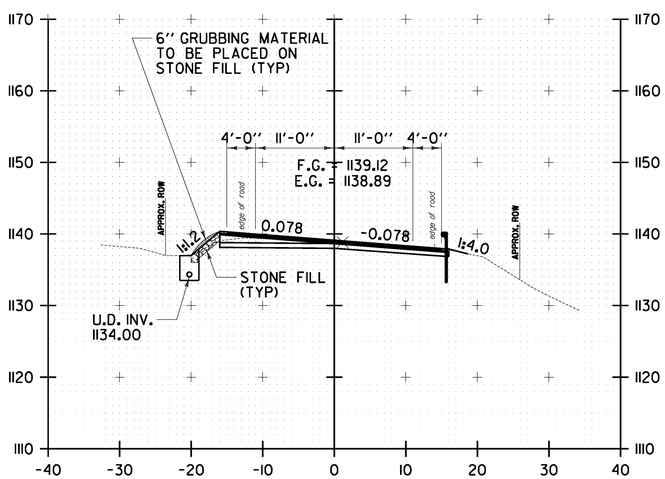

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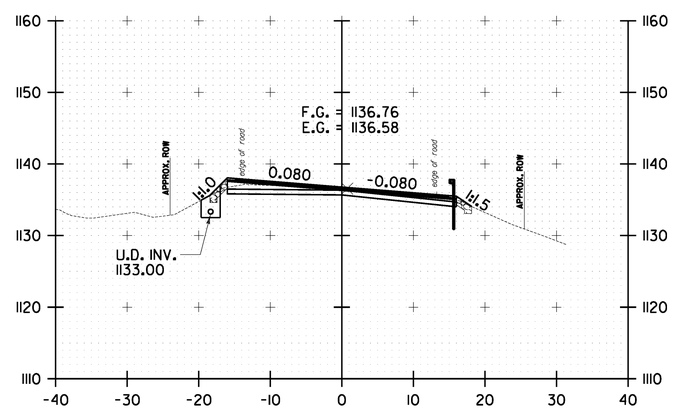

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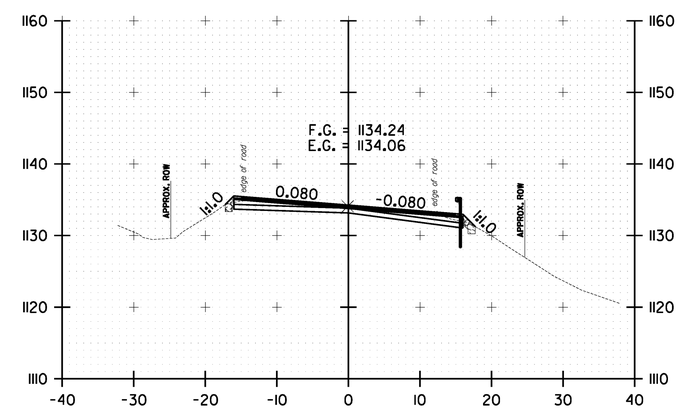


50+00.00

10 0 10
SCALE IN FEET

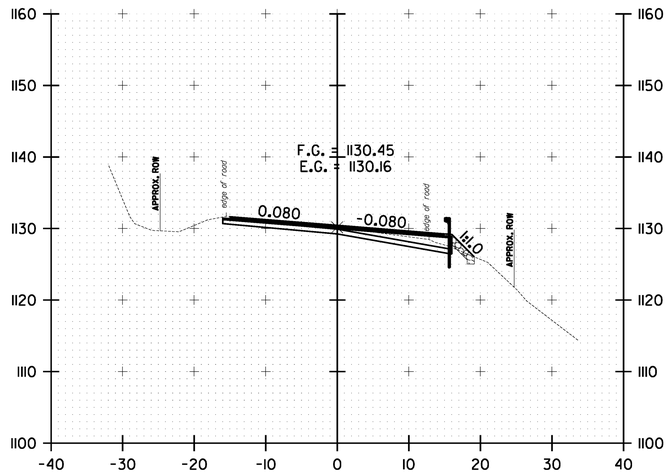
WARREN
CROSS SECTION
SHEET #2

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs2.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 165 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



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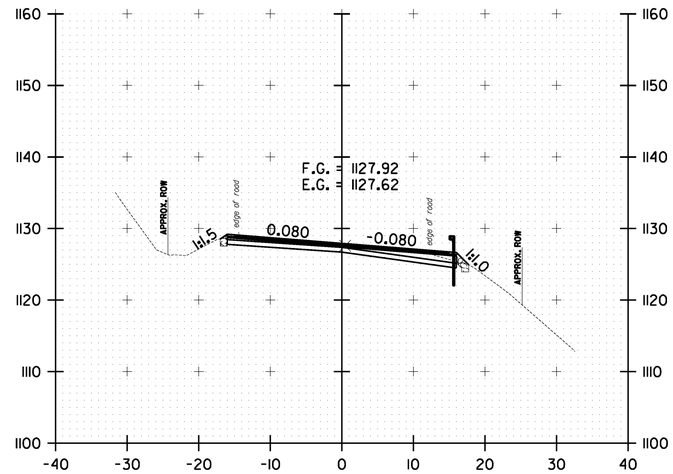

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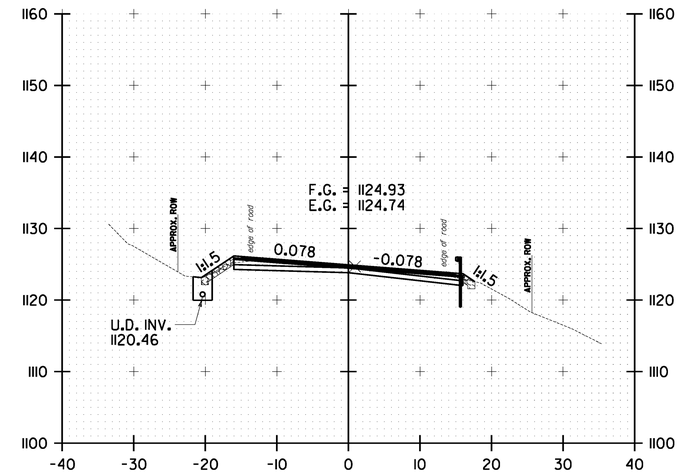

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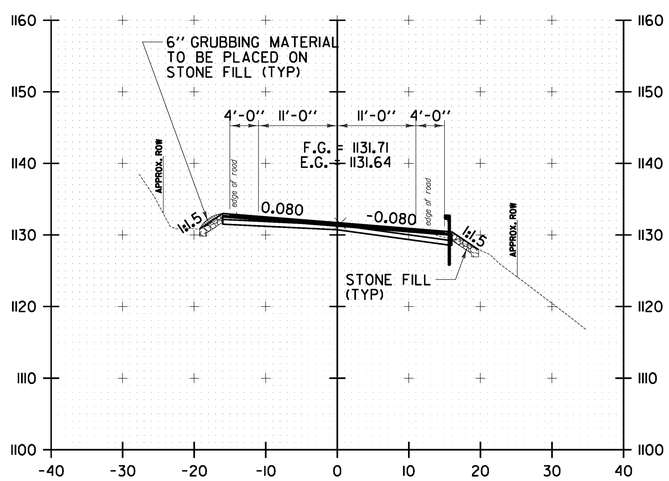

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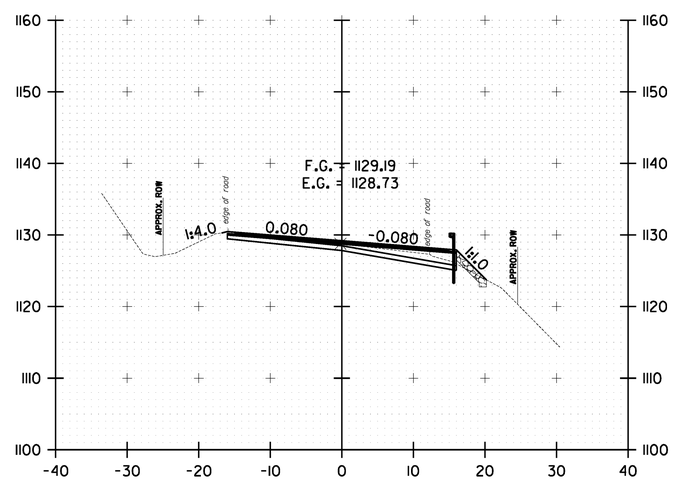

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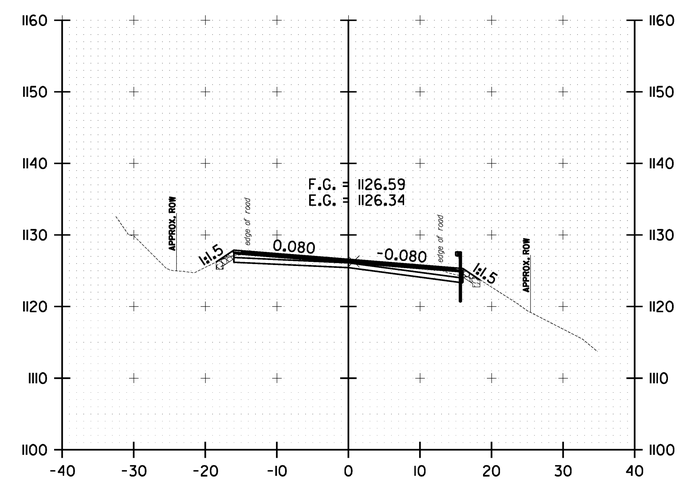

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10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #3

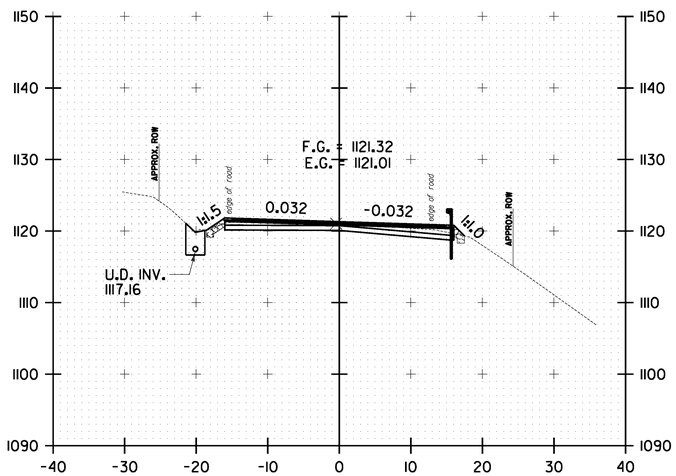
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs3.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 166 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



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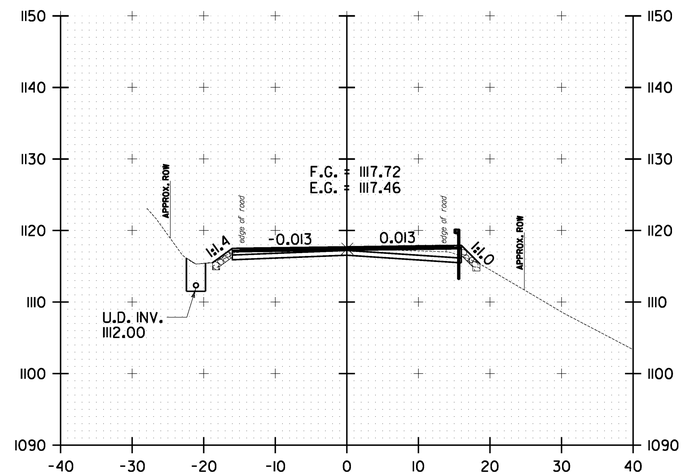

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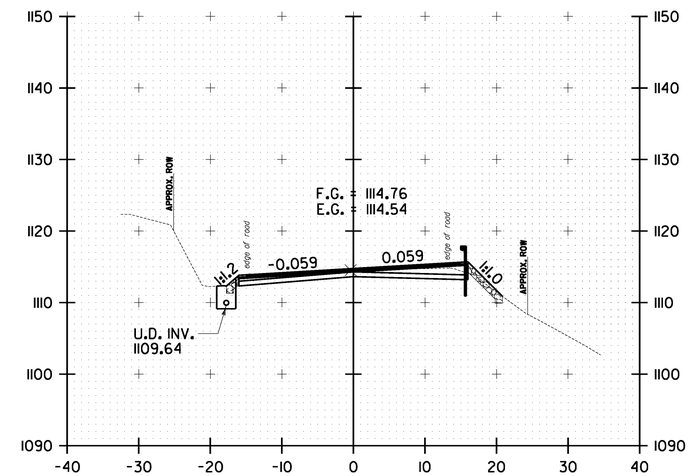

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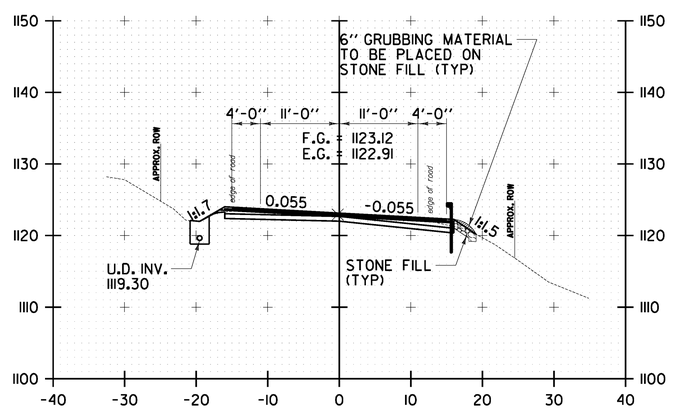

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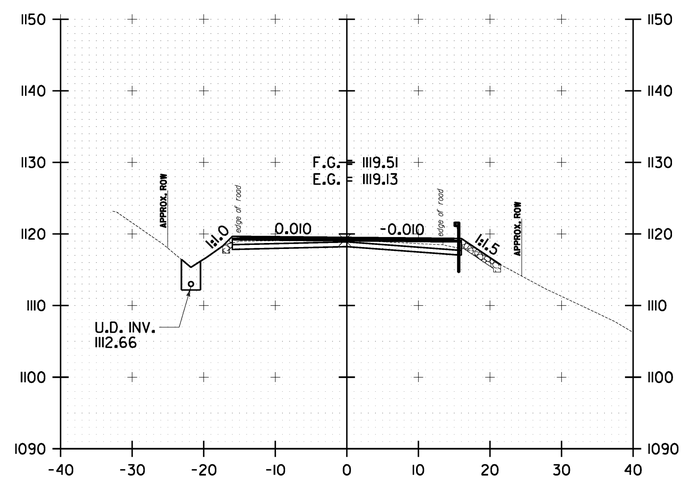

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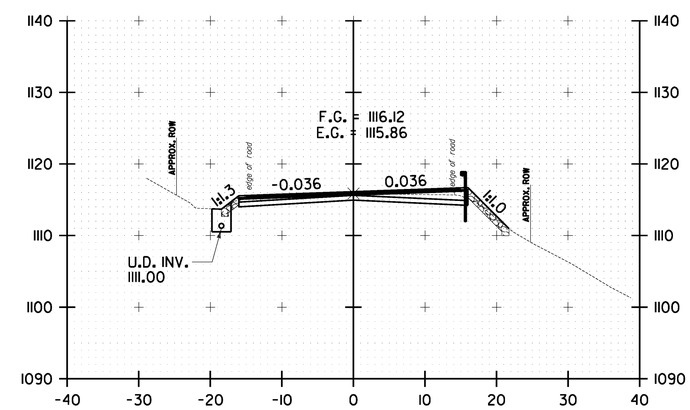


56+00.00

10 0 10
SCALE IN FEET

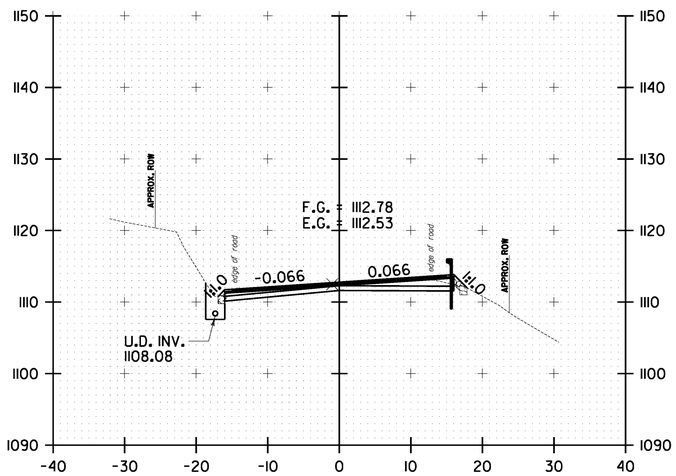
WARREN CROSS SECTION SHEET #4

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs4.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 167 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



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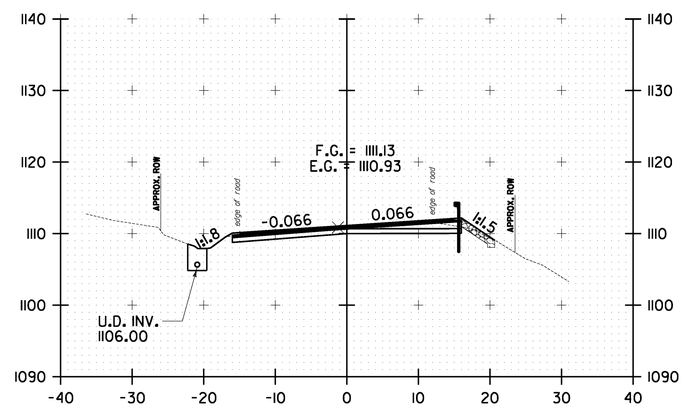

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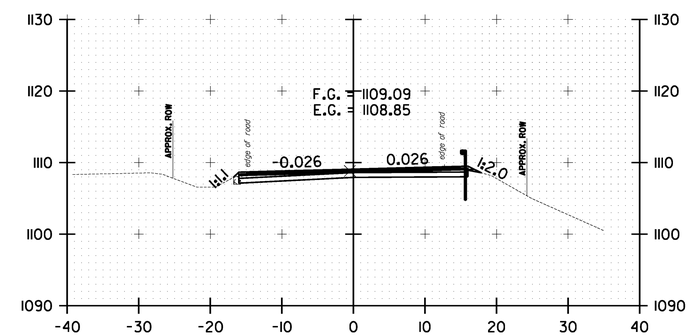

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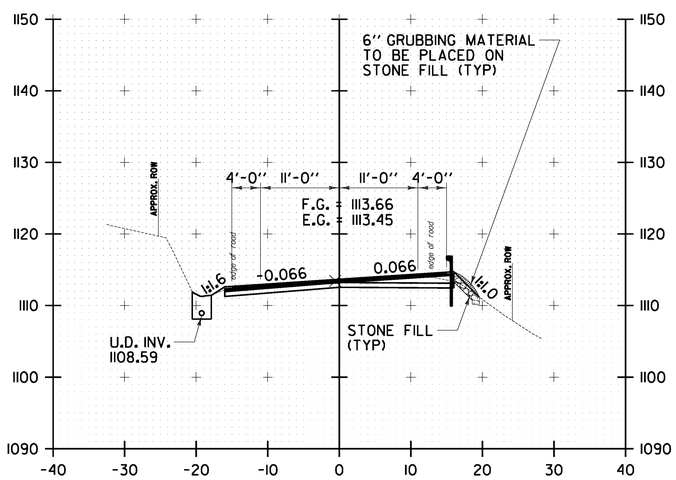

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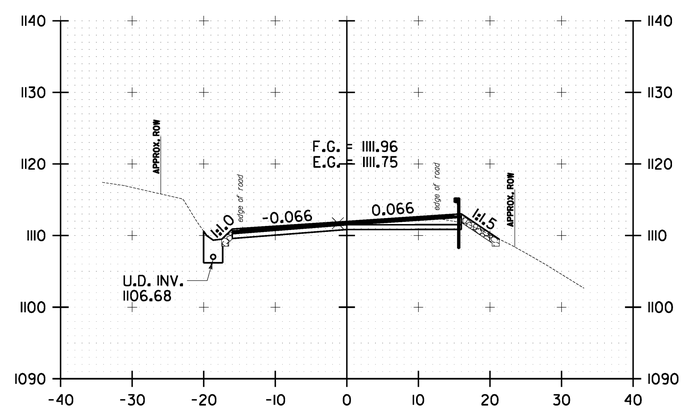

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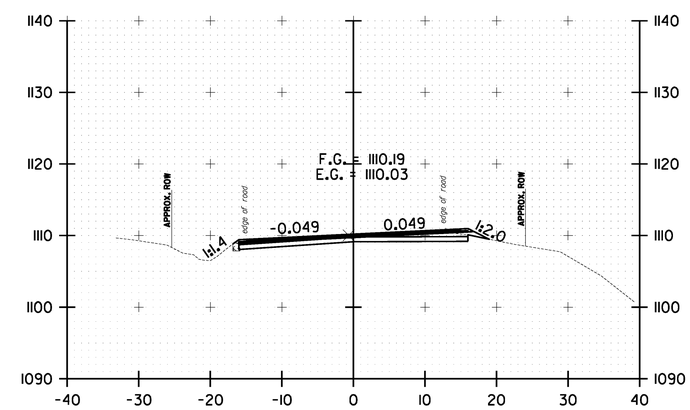

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10 0 10
SCALE IN FEET

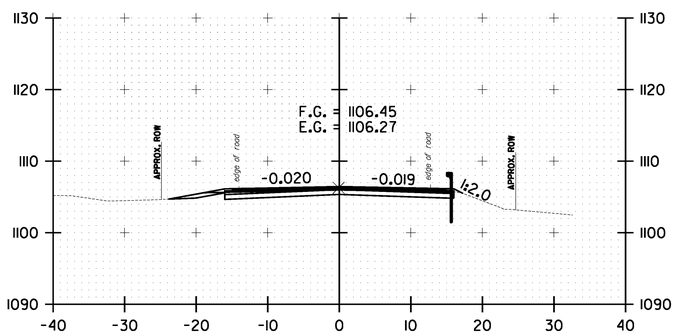
WARREN CROSS SECTION SHEET #5

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs5.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 168 OF 310

FILE NAME = U:\17762\CADD\HSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



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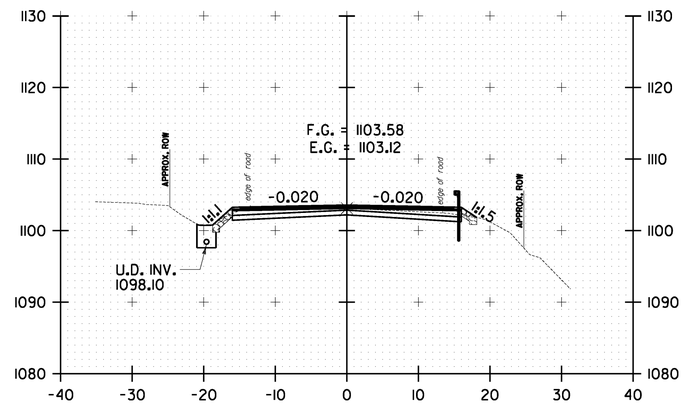

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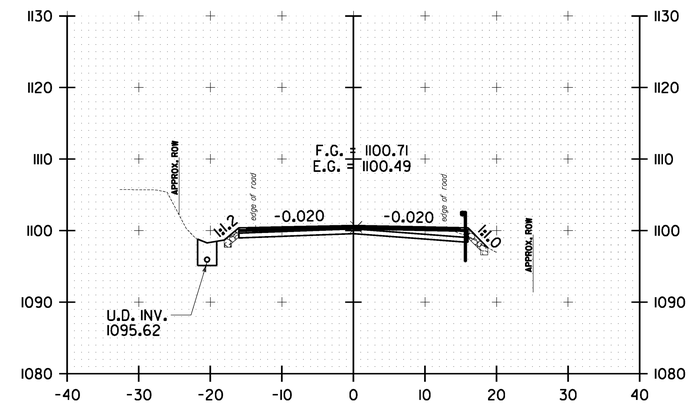

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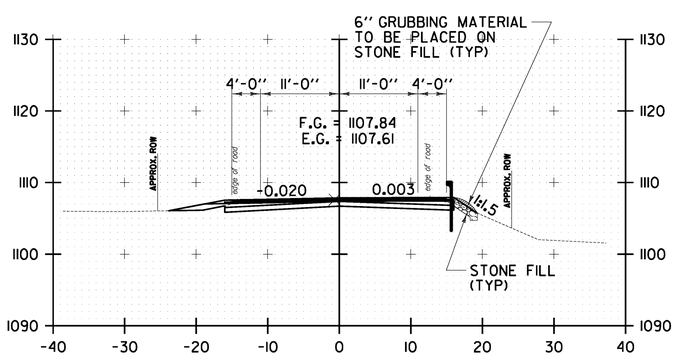

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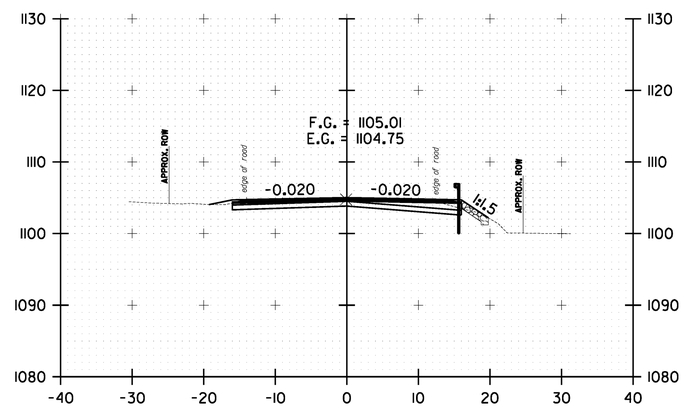

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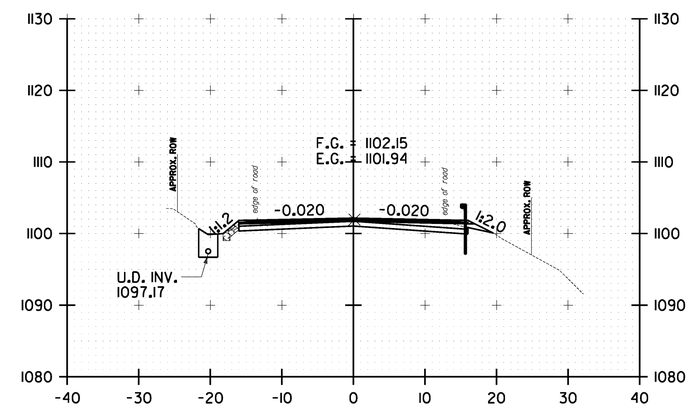

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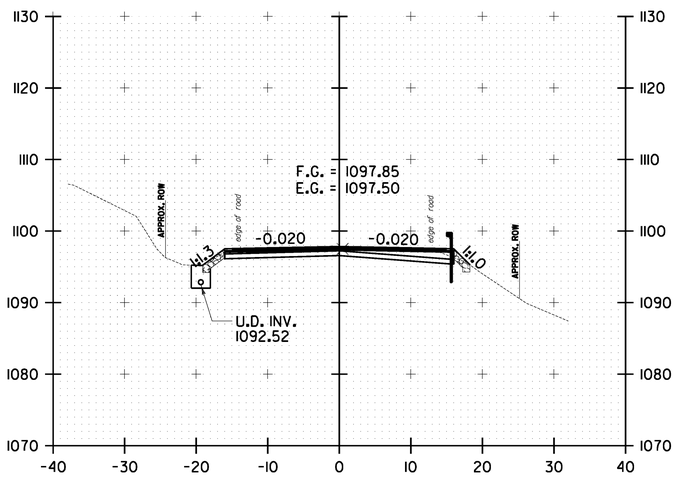
10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #6

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs6.i	SHEET 169 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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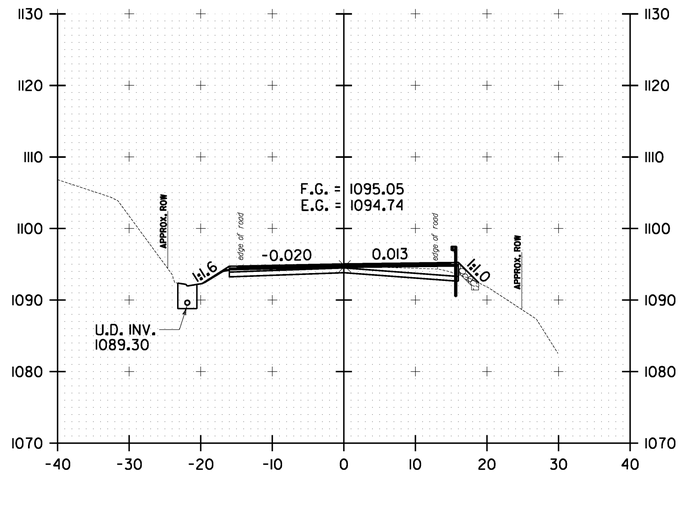

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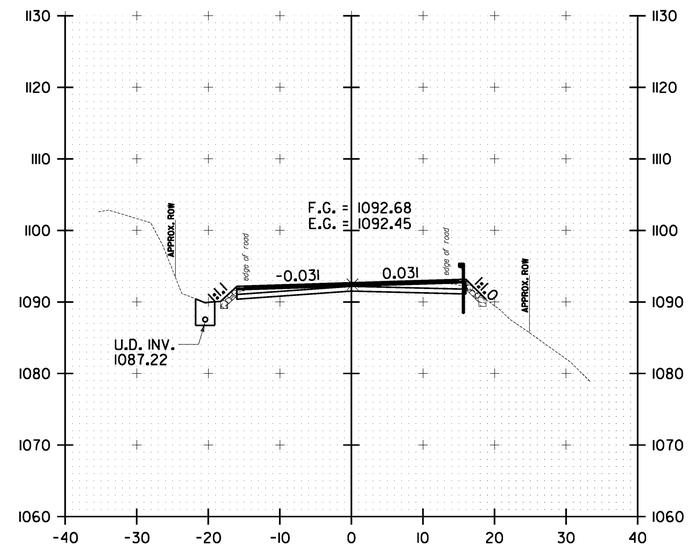

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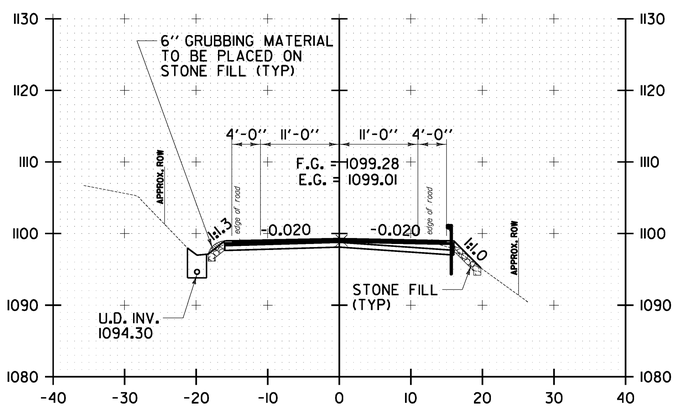
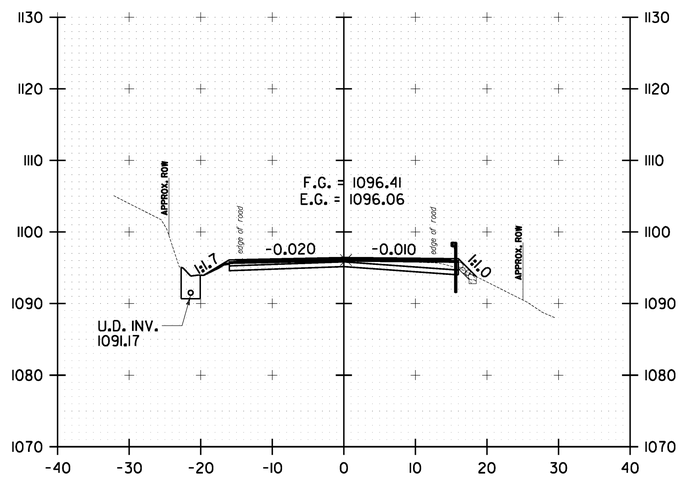


63+00.00



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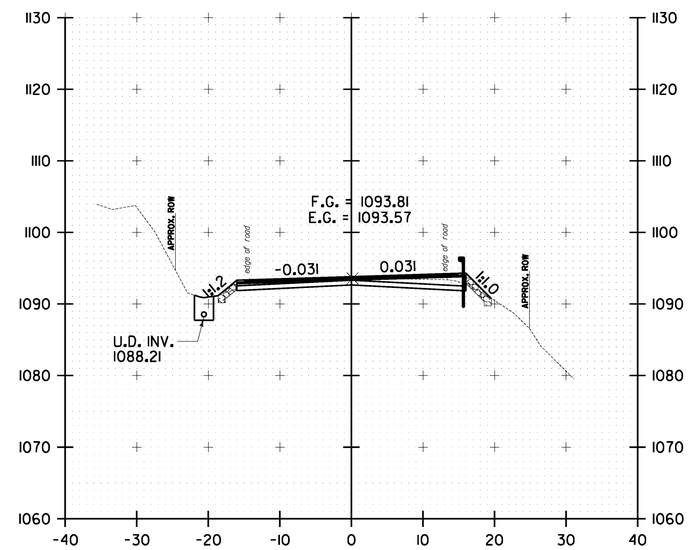


65+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #7

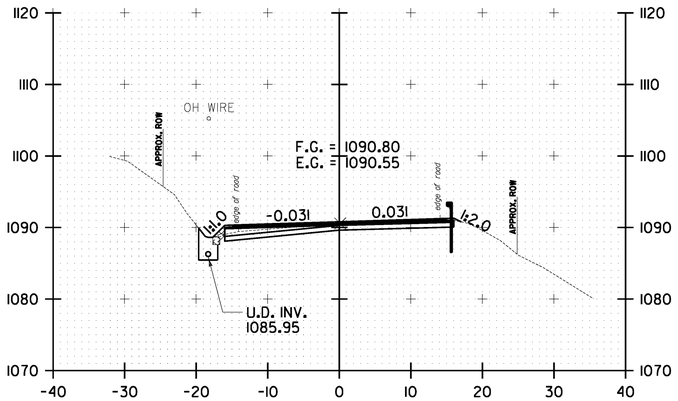
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs7.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 170 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



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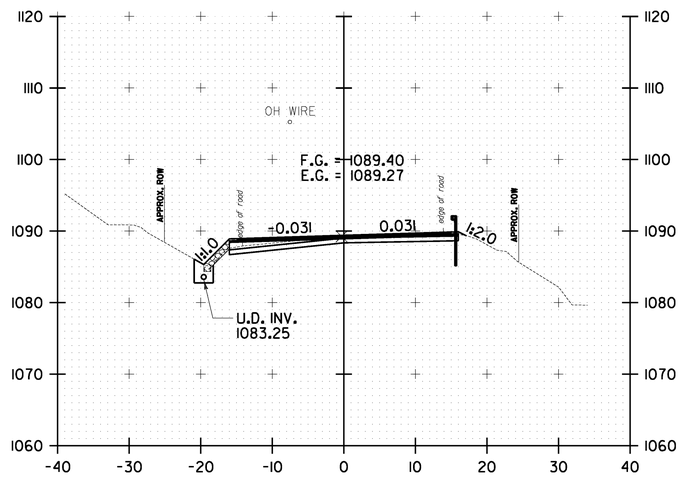
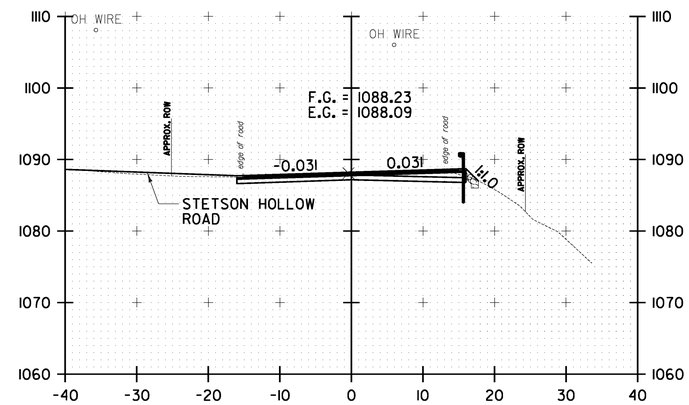
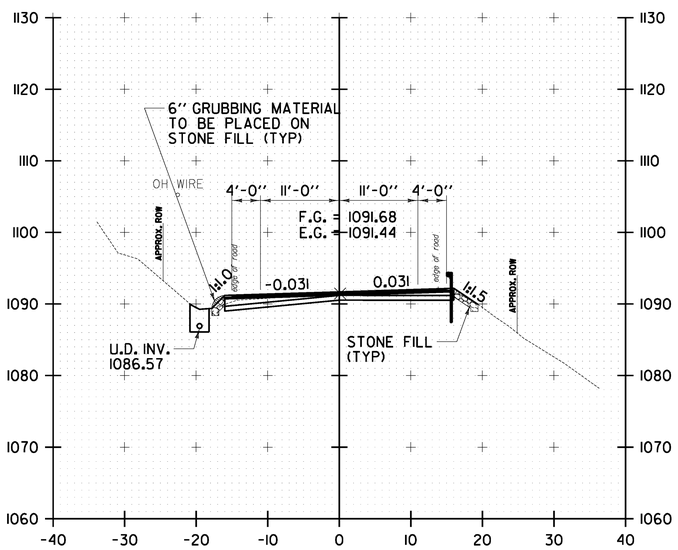


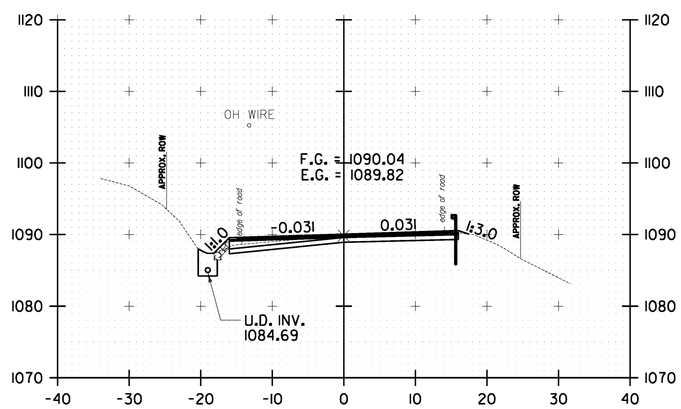
67+50.00



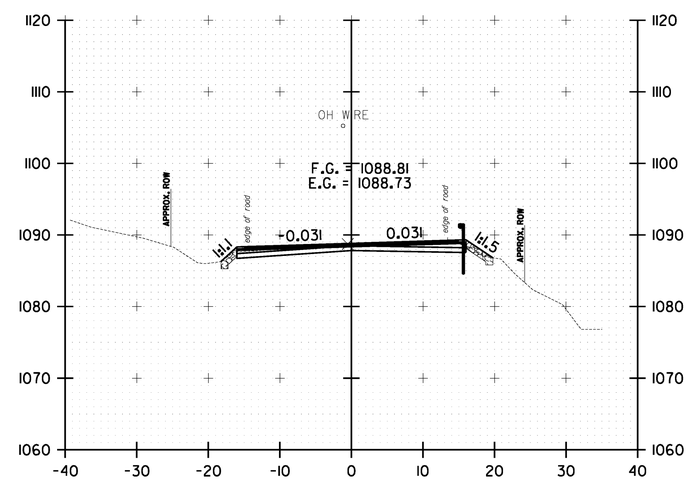
68+50.00



66+00.00



67+00.00



68+00.00

SCALE IN FEET

WARREN
CROSS SECTION
SHEET #8

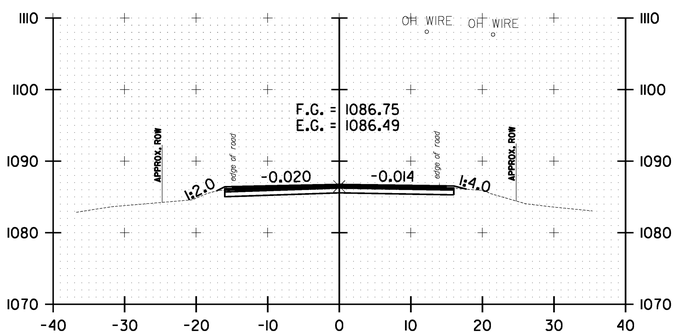
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs8.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 171 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



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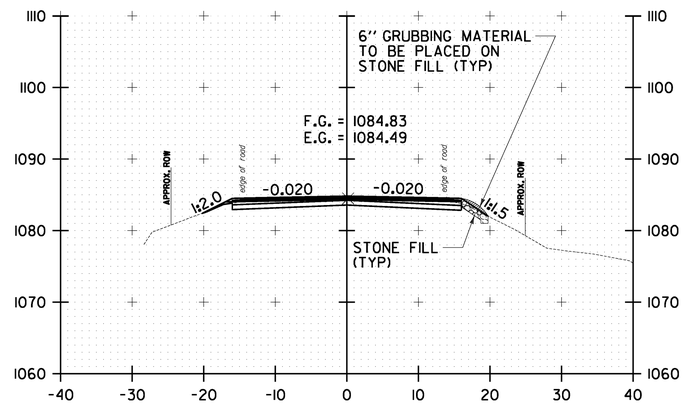

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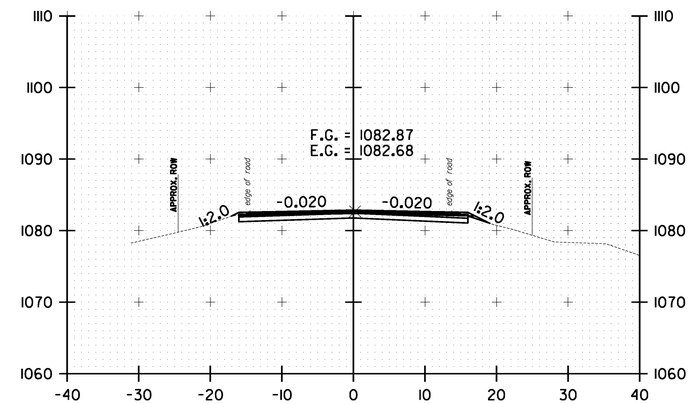
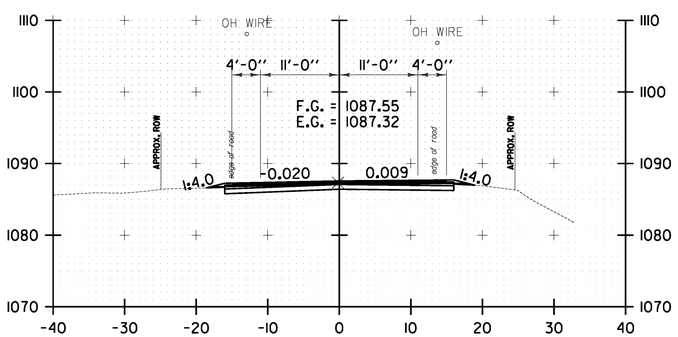


71+50.00



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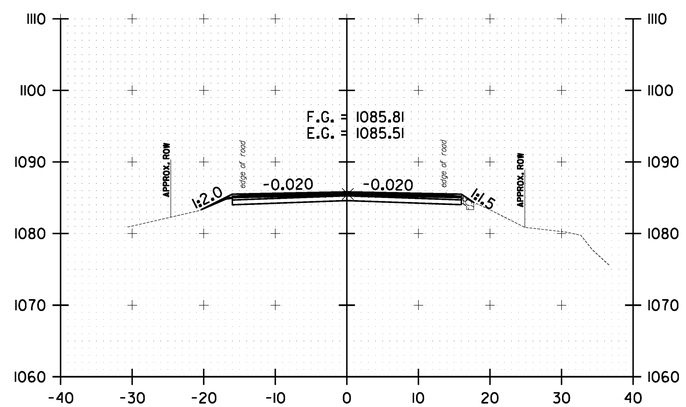

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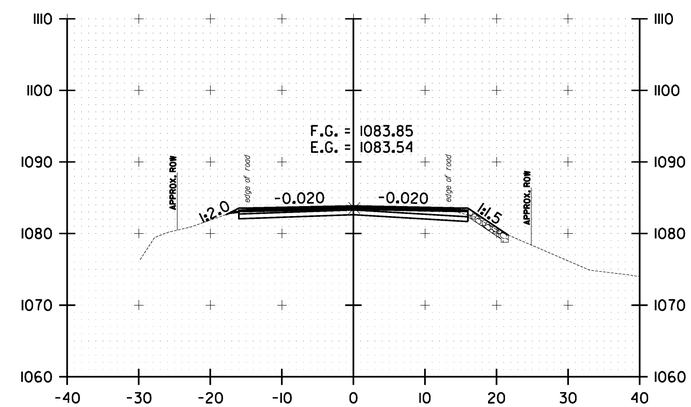


71+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #9

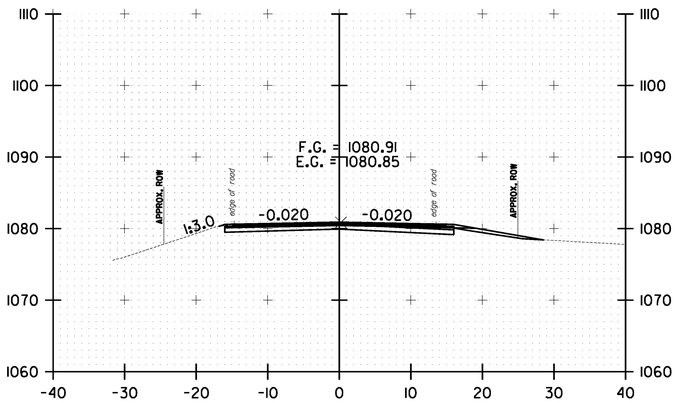
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs9.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 172 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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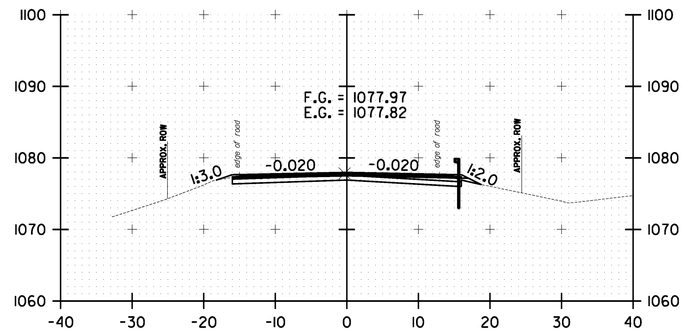
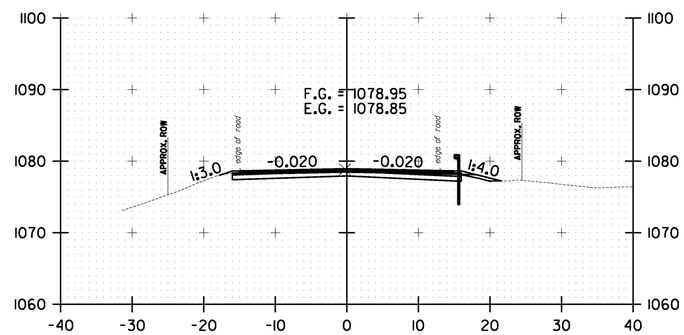


74+00.00



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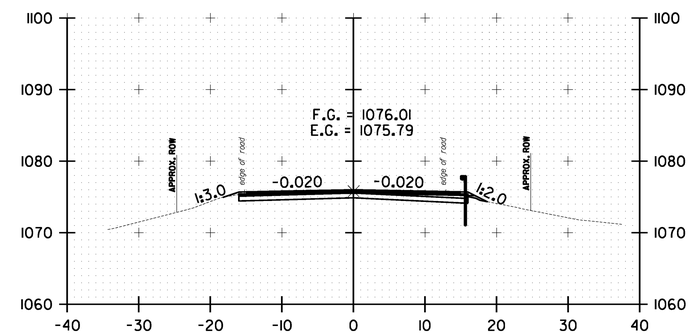

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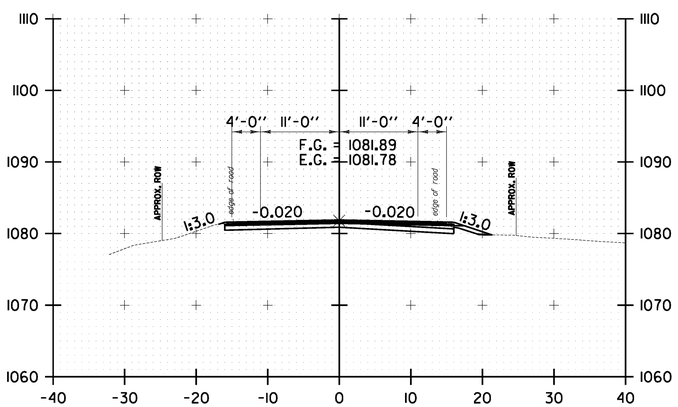
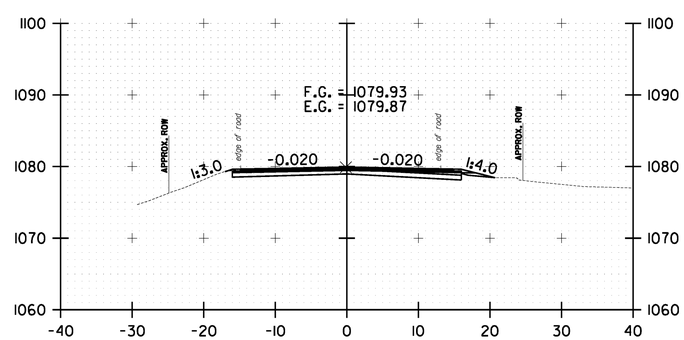
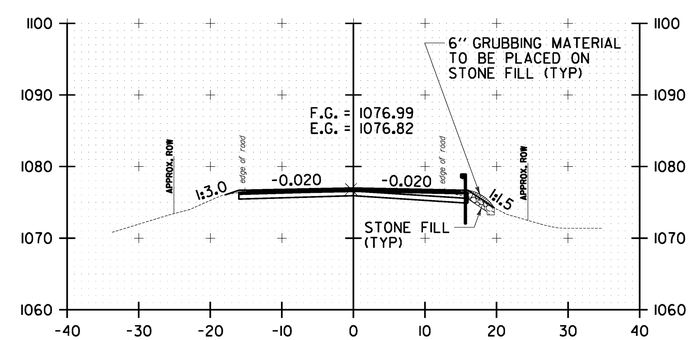


72+00.00



73+00.00



74+50.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #10

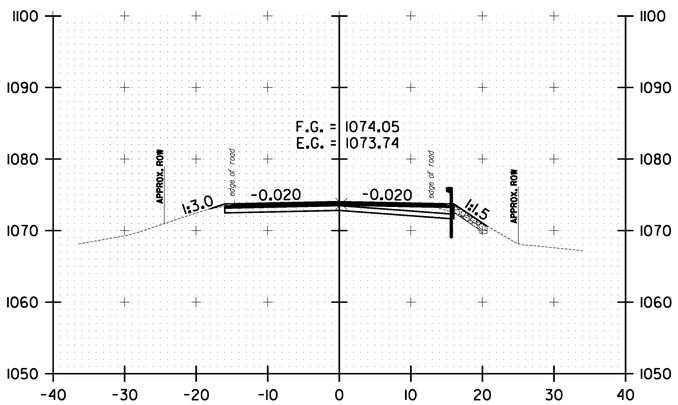
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs10.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 173 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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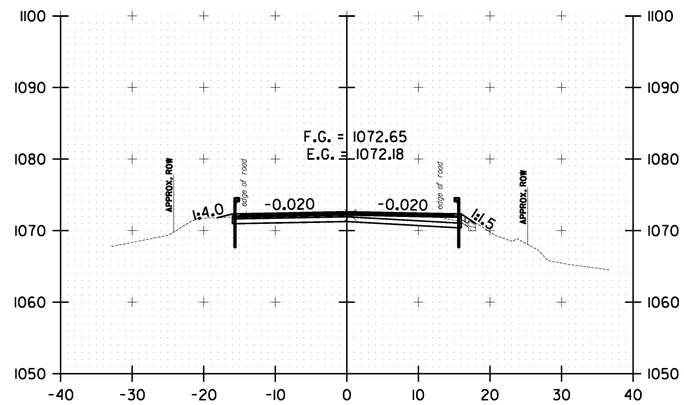
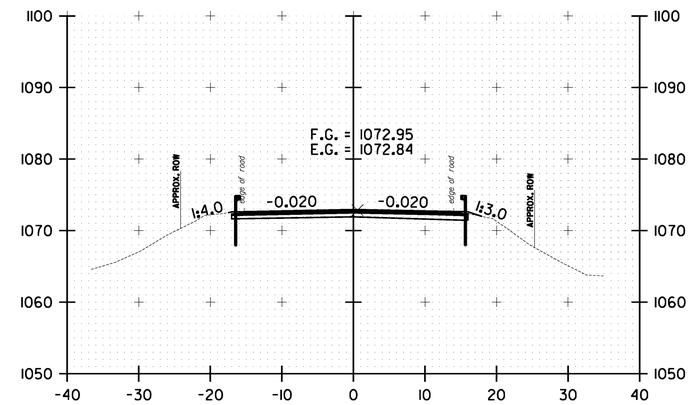


77+00.00



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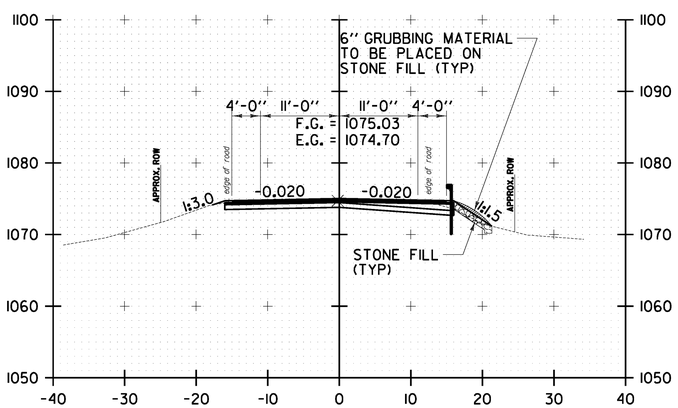
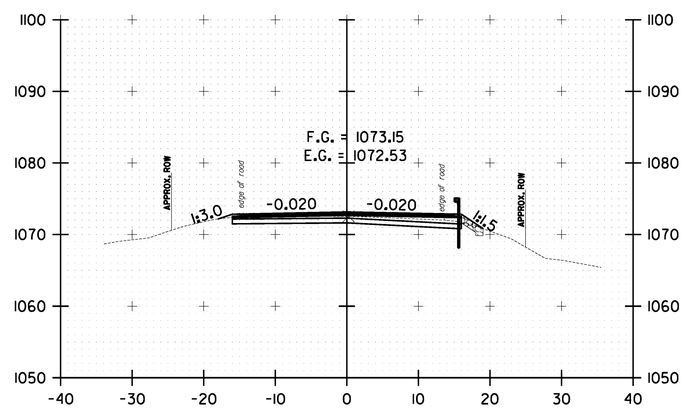
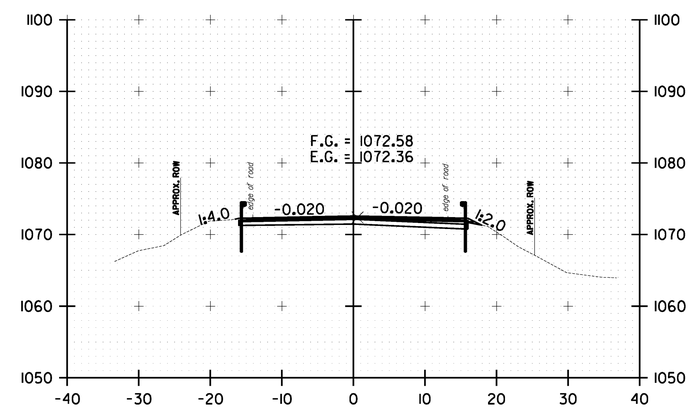


75+50.00



76+50.00



77+50.00

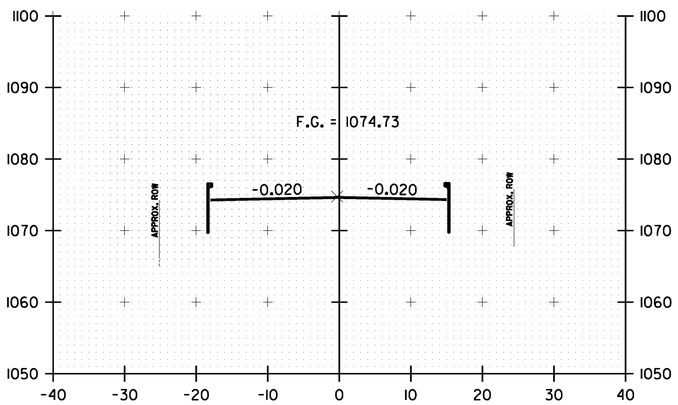
10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #11

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xsl1.i	SHEET 174 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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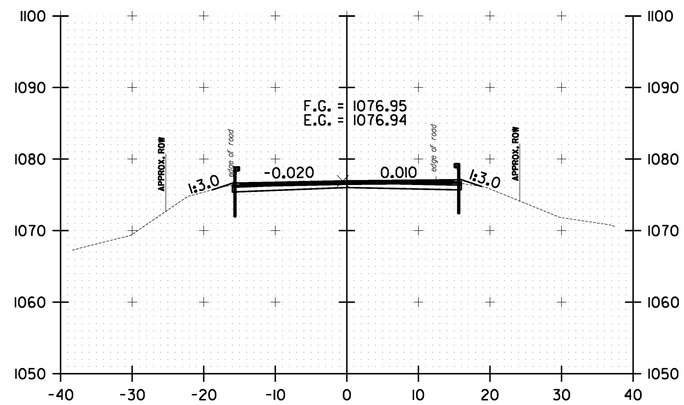

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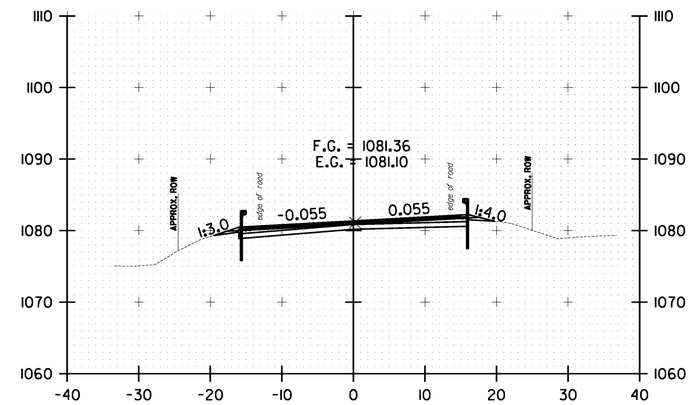

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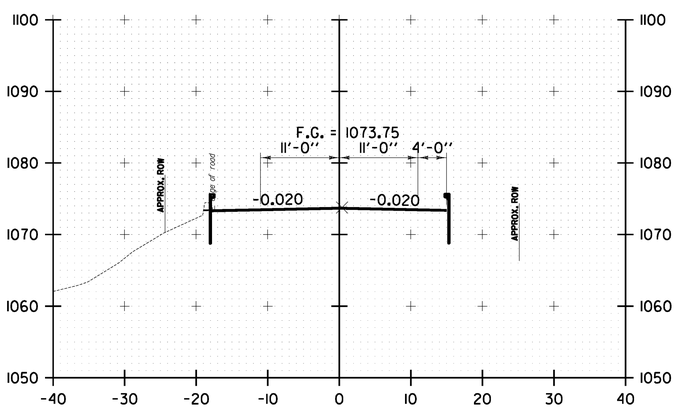
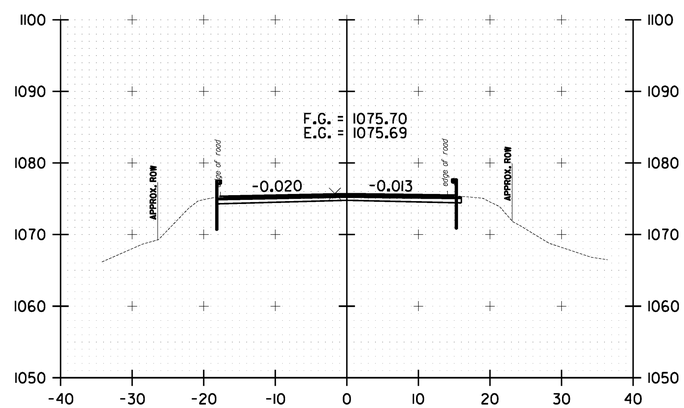


78+50.00



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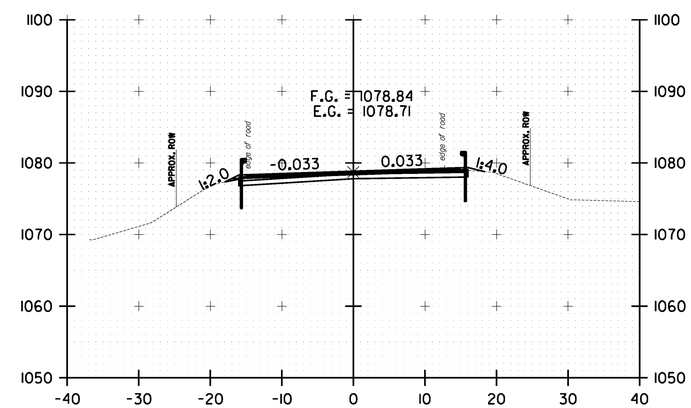


80+50.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #12

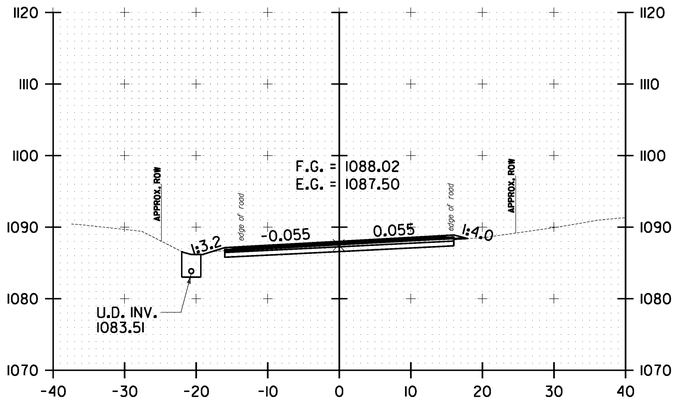
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl2.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 175 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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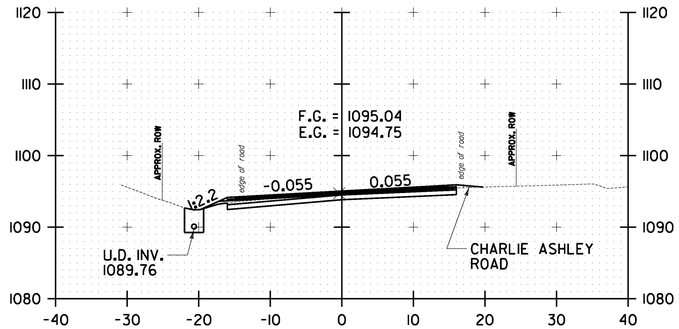

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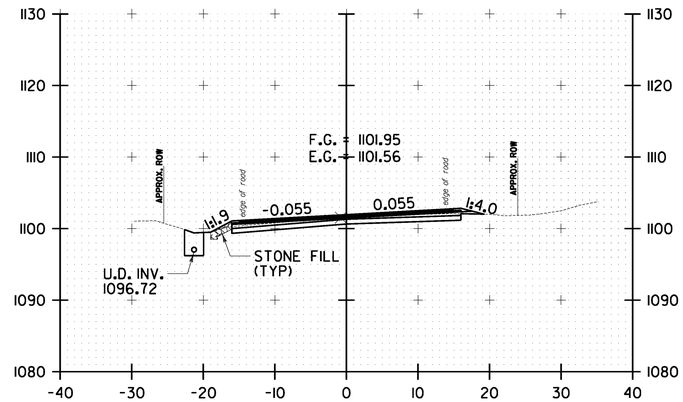

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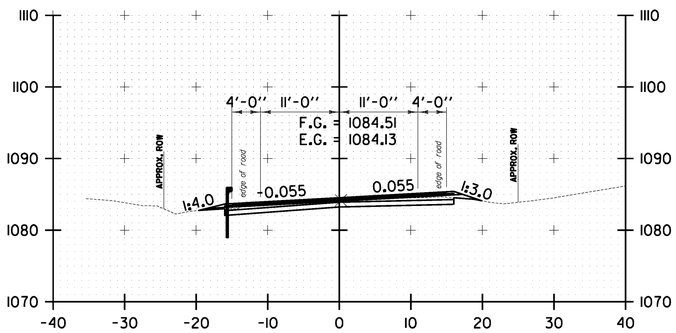

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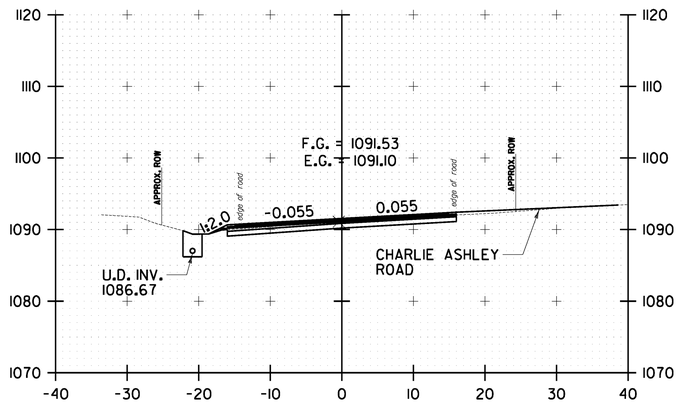

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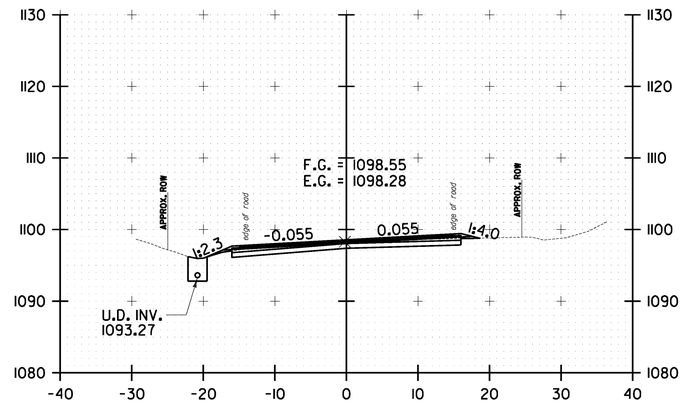


83+50.00

10 0 10
SCALE IN FEET

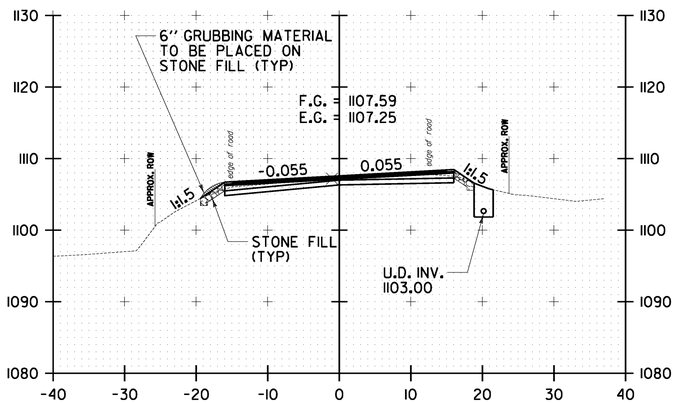
WARREN
CROSS SECTION
SHEET #13

PROJECT NAME: WARREN-WAITSFIELD

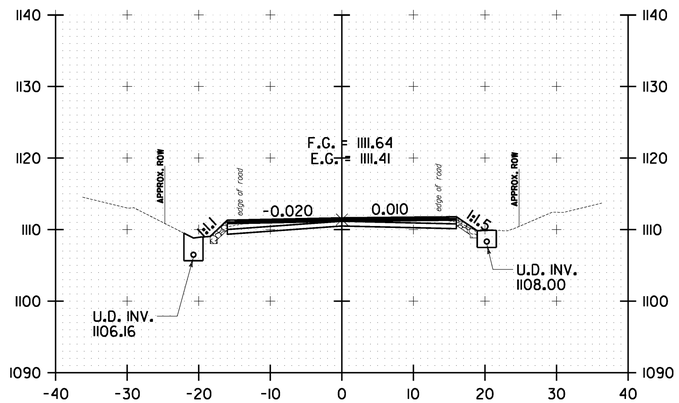
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xsl3.i	SHEET 176 OF 310

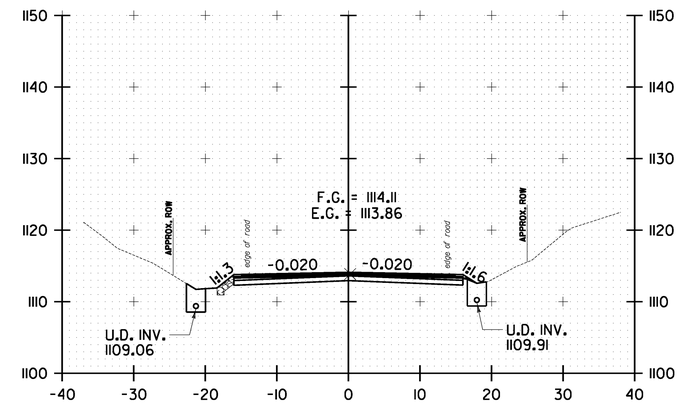
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



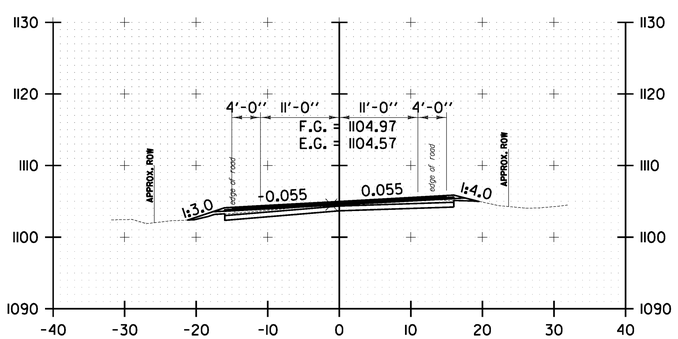
85+00.00



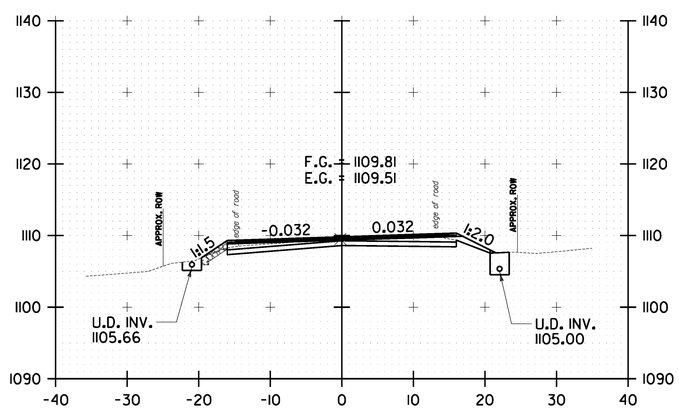
86+00.00



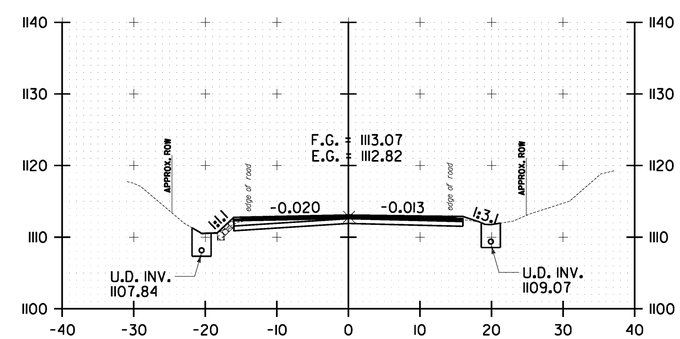
87+00.00



84+50.00



85+50.00



86+50.00

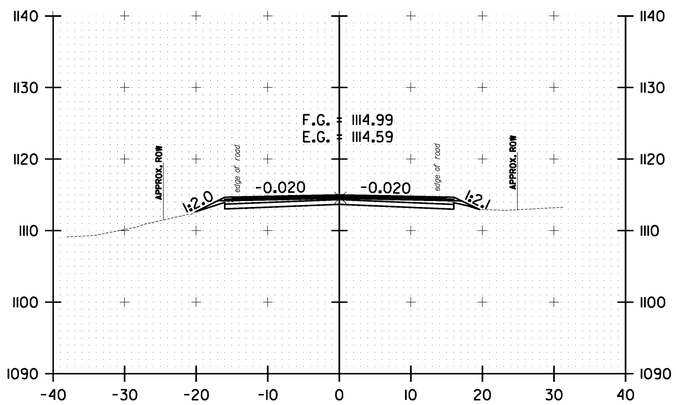
10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #14

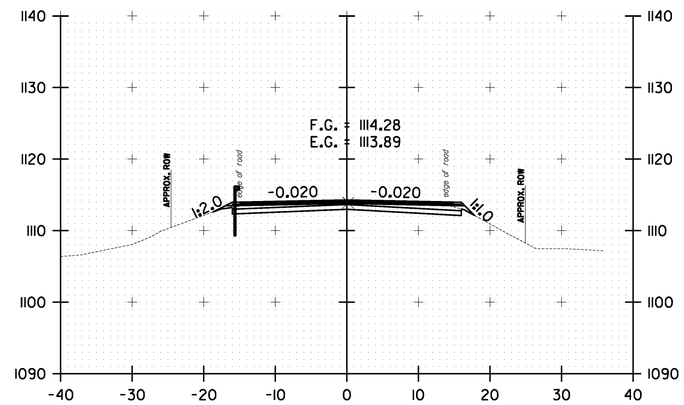
PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs14.i	SHEET 177 OF 310

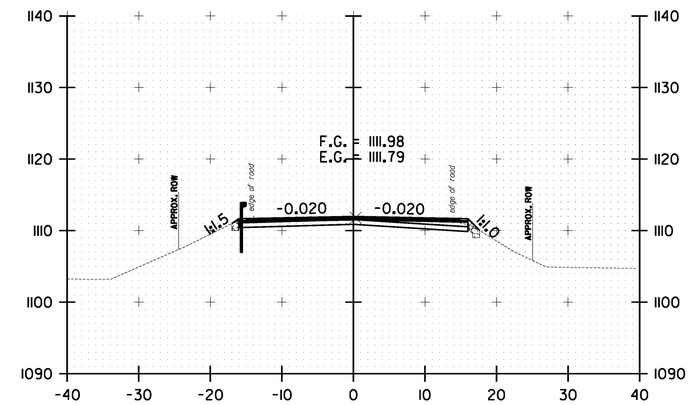
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4696



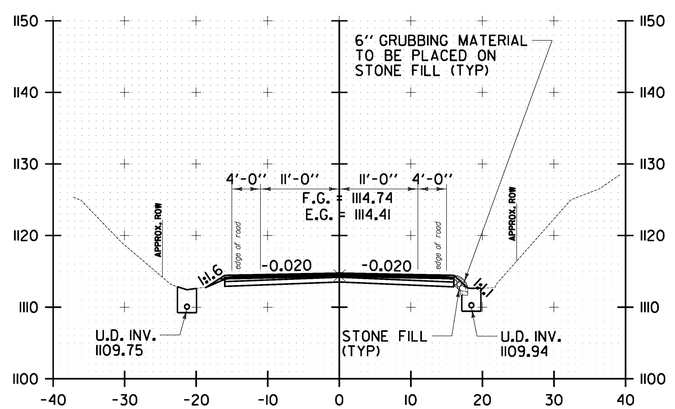
88+00.00



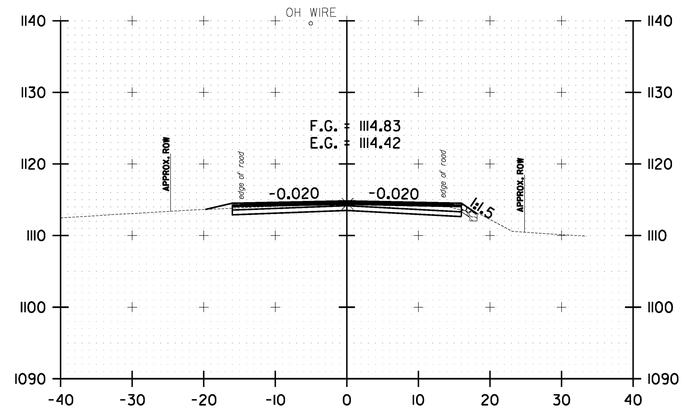
89+00.00



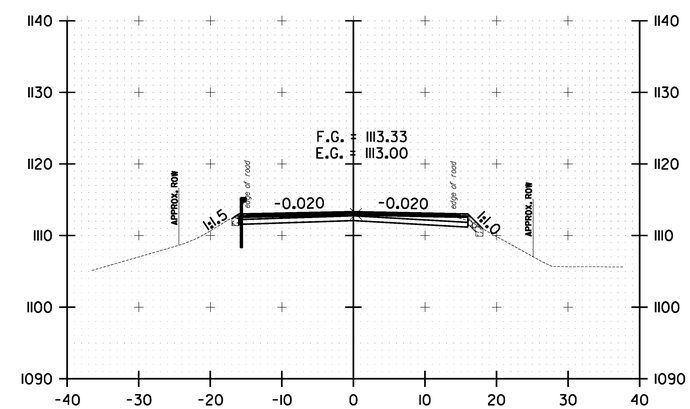
90+00.00



87+50.00



88+50.00



89+50.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #15

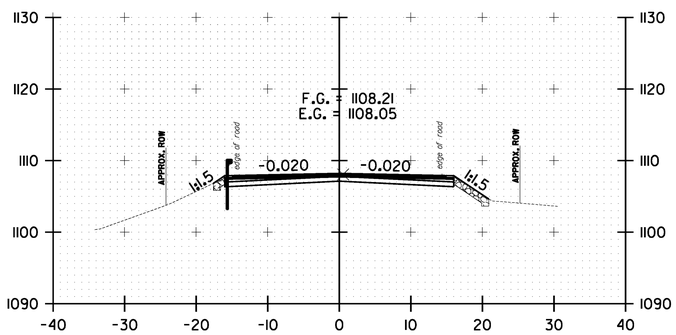
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

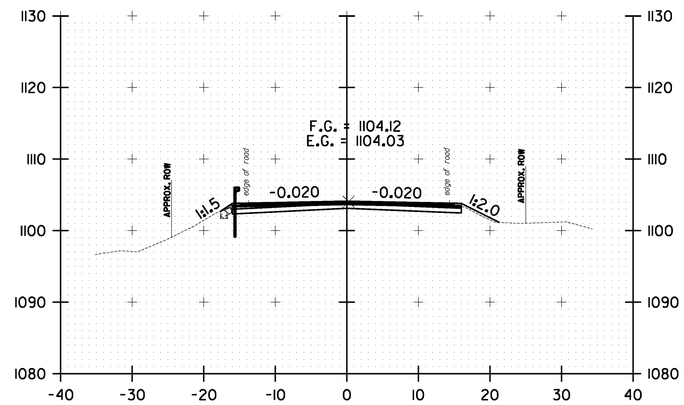
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl5.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 178 OF 310

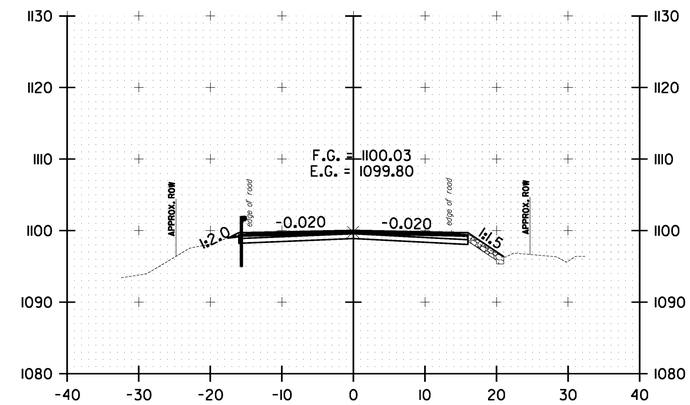
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



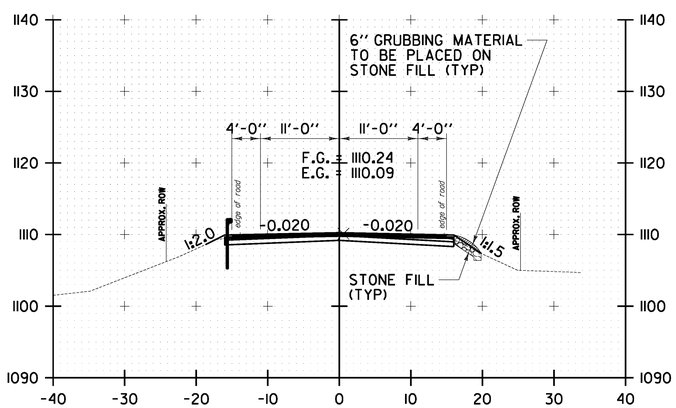
91+00.00



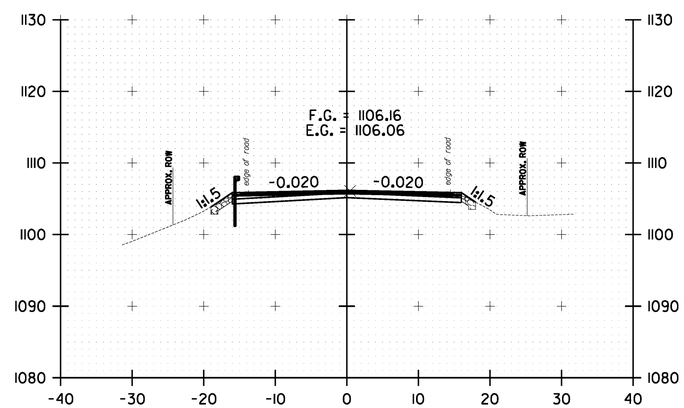
92+00.00



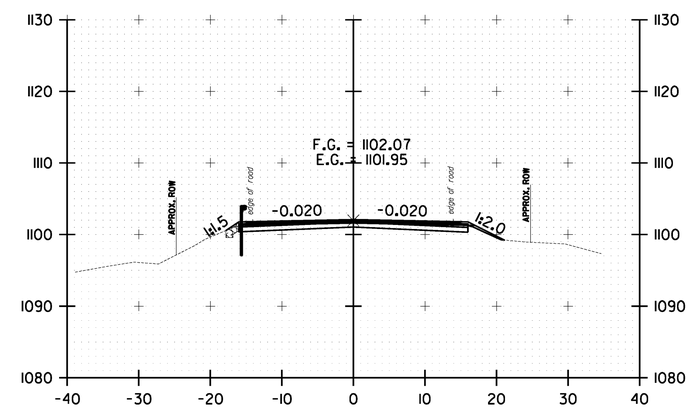
93+00.00



90+50.00



91+50.00



92+50.00

10 0 10
SCALE IN FEET

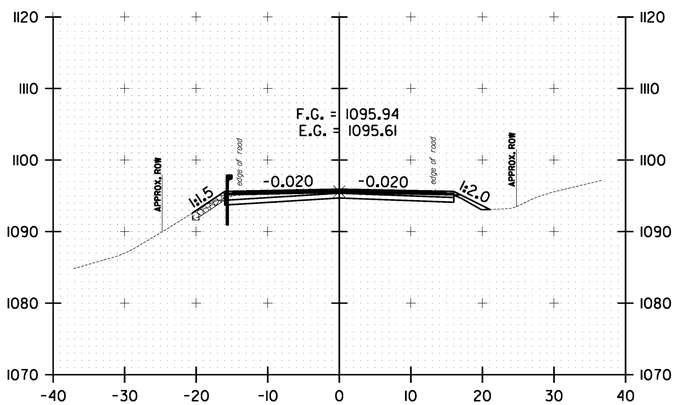
WARREN
CROSS SECTION
SHEET #16

PROJECT NAME: WARREN-WAITSFIELD

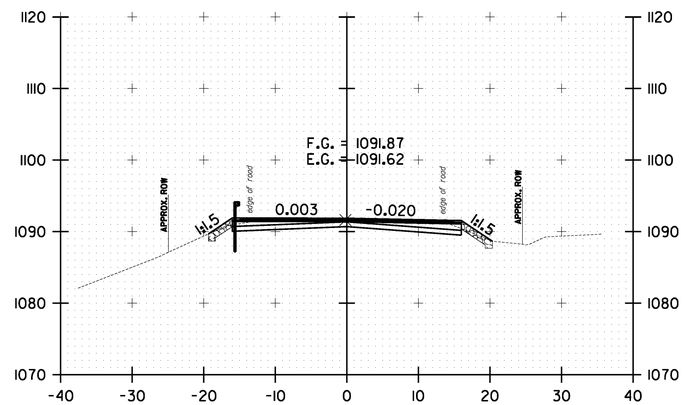
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xsl6.i	SHEET 179 OF 310

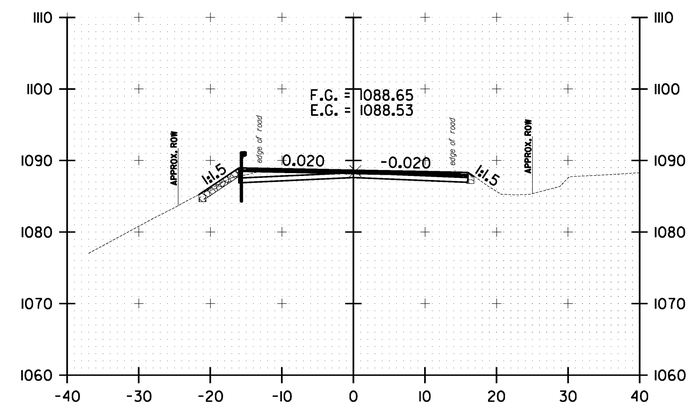
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



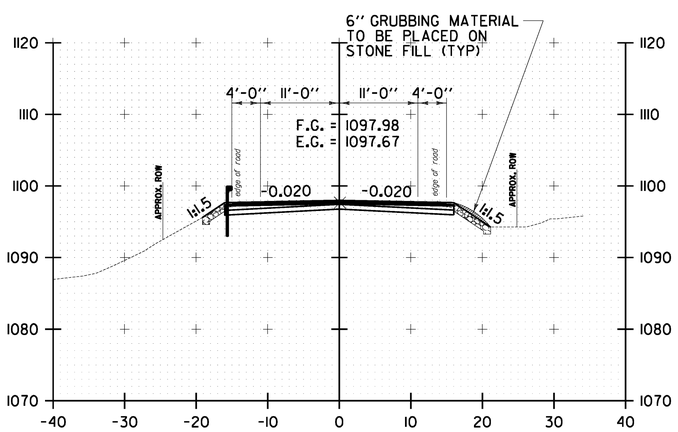
94+00.00



95+00.00



96+00.00



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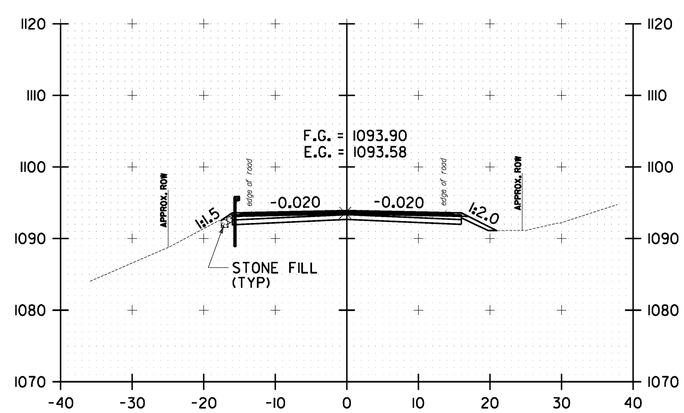
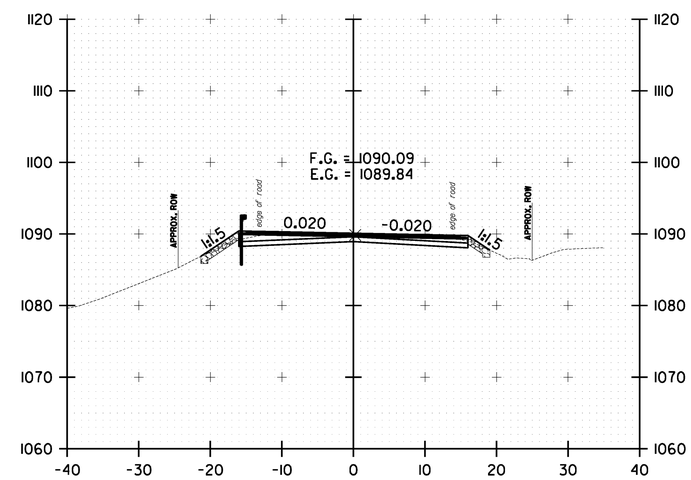


94+50.00



95+50.00

10 0 10
SCALE IN FEET

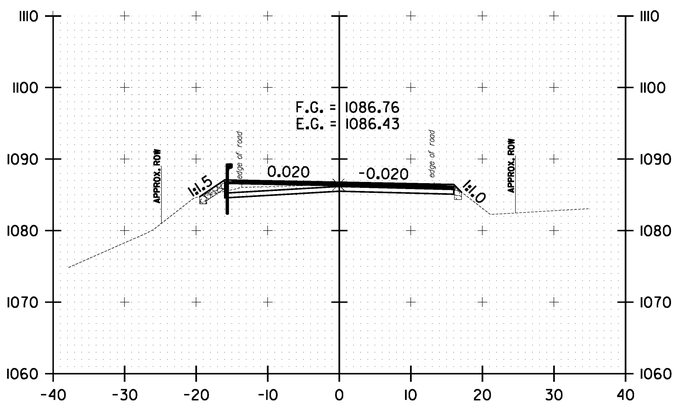
WARREN CROSS SECTION SHEET #17

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

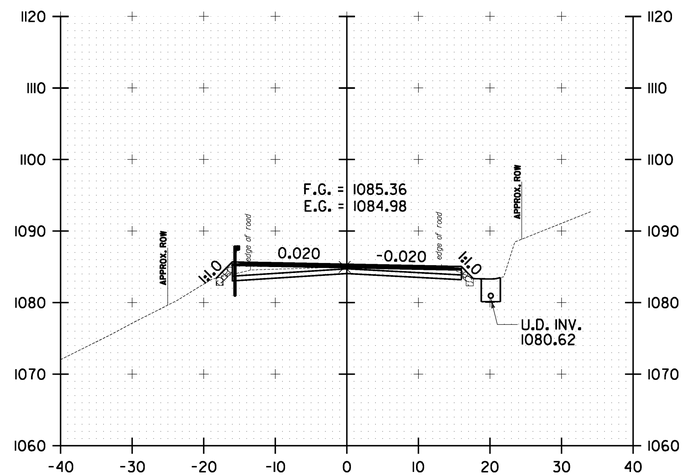
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl7.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 180 OF 310

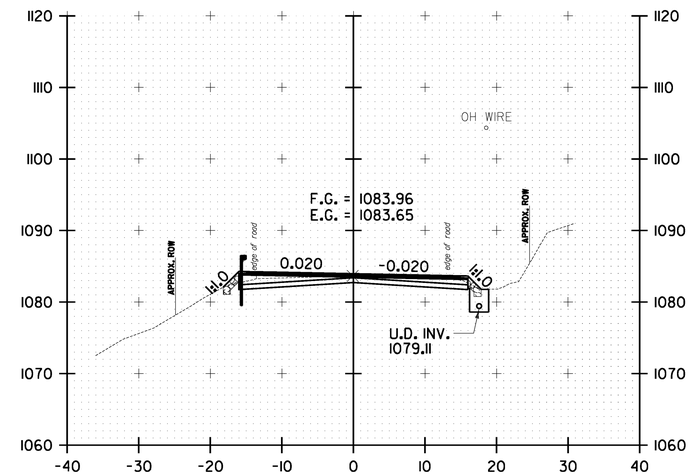
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



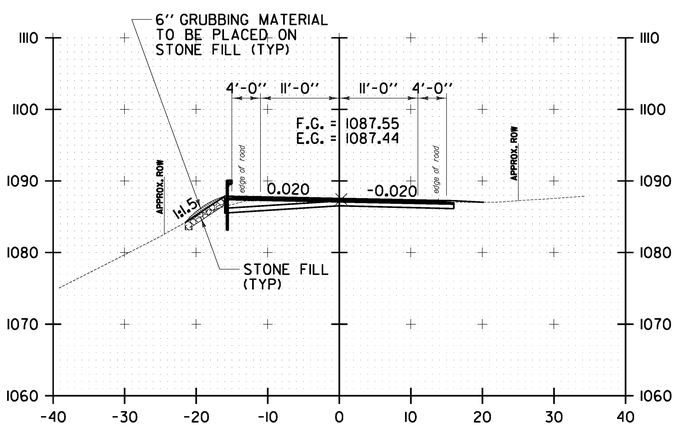
97+00.00



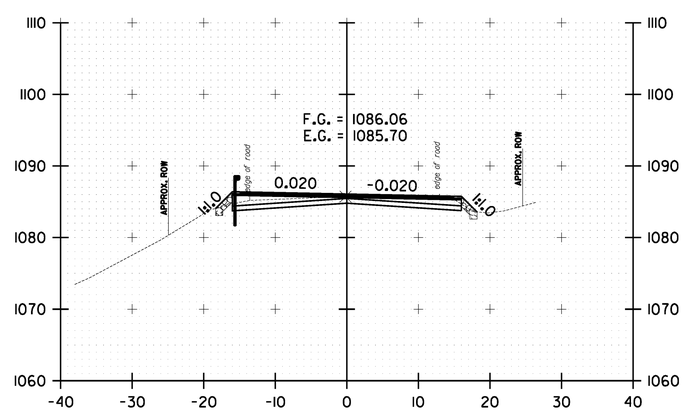
98+00.00



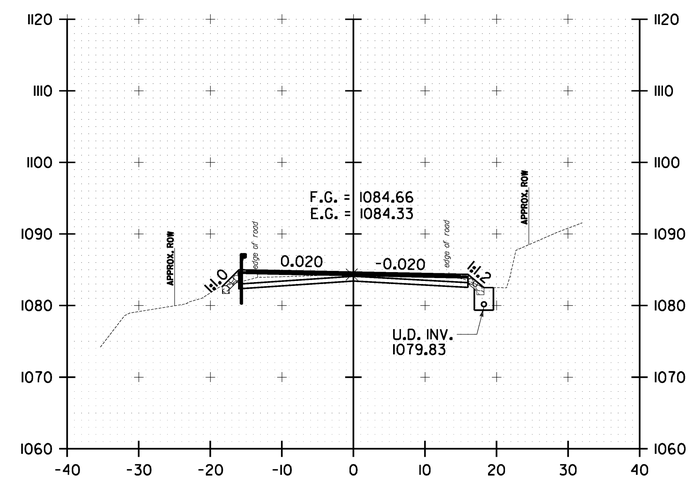
99+00.00



96+50.00



97+50.00



98+50.00

10 0 10
SCALE IN FEET

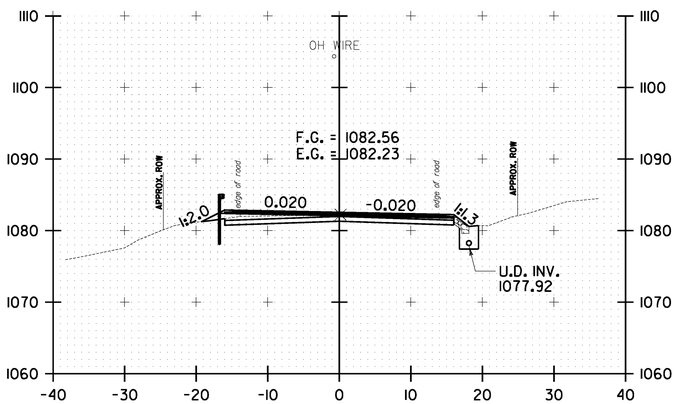
WARREN
CROSS SECTION
SHEET #18

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

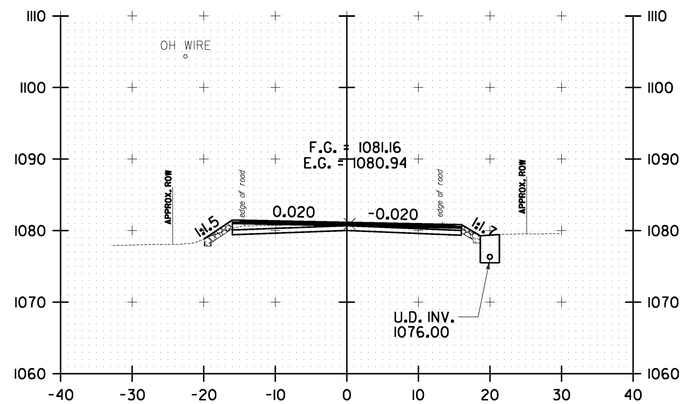
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs18.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 181 OF 310

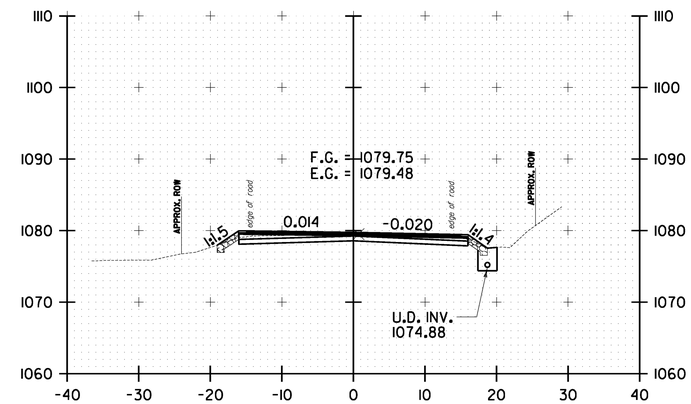
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



100+00.00



101+00.00



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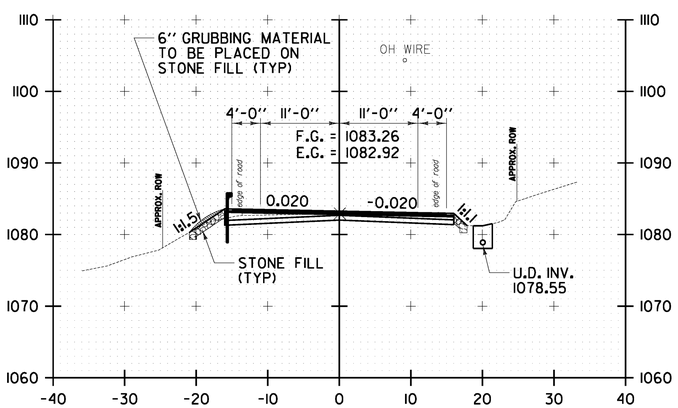

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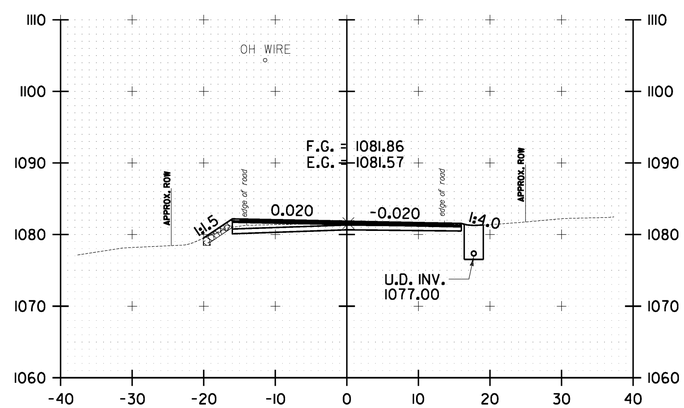

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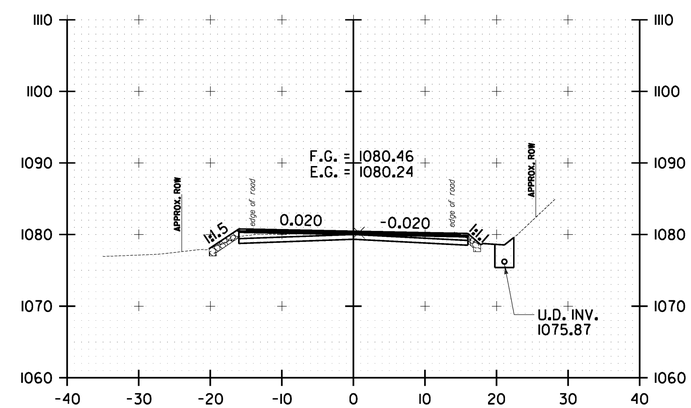


101+50.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #19

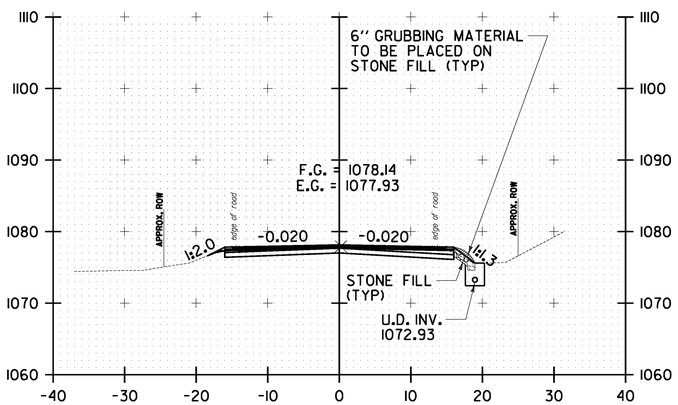
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

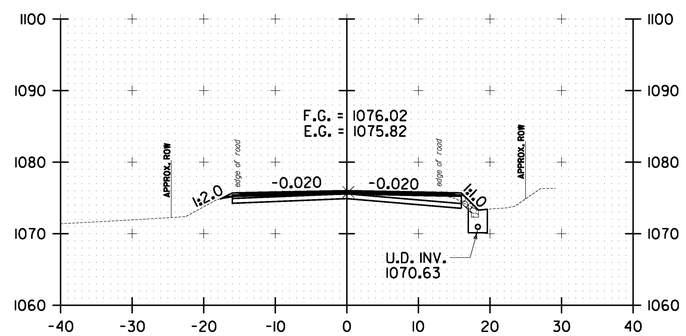
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl9.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 182 OF 310

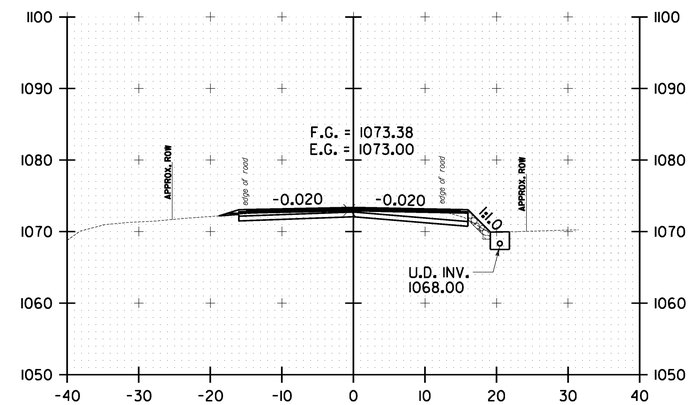
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



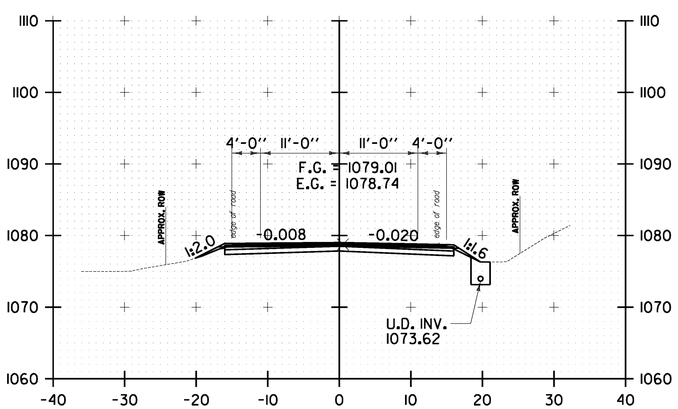
103+00.00



104+00.00



105+00.00



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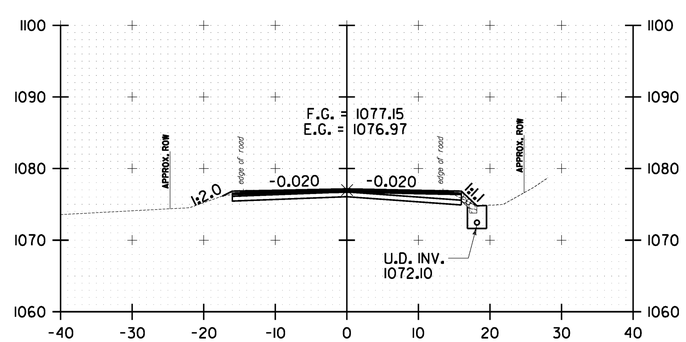

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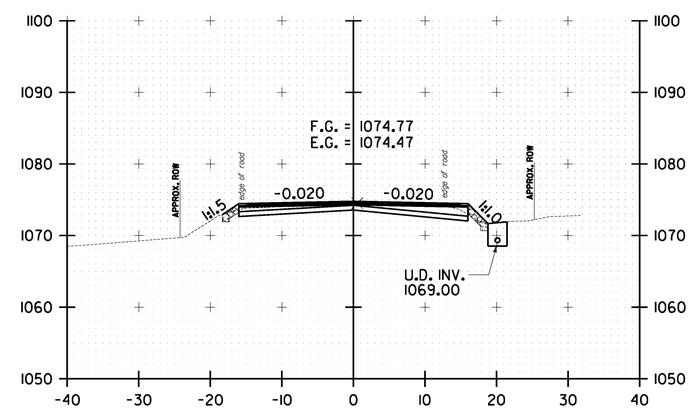


104+50.00

10 0 10
SCALE IN FEET

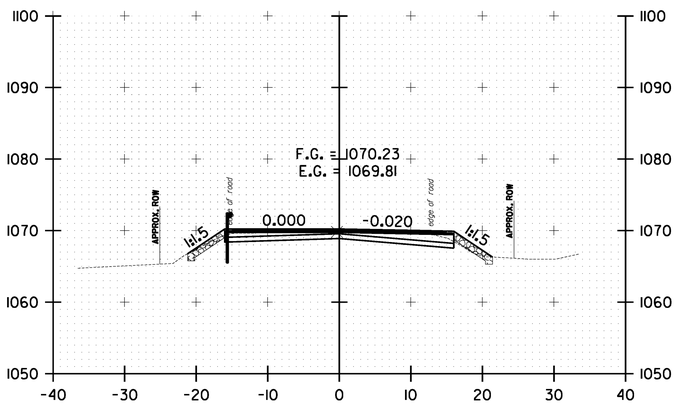
WARREN CROSS SECTION SHEET #20

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

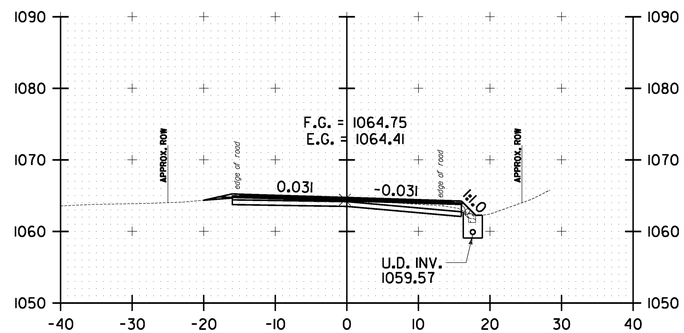
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs20.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 183 OF 310

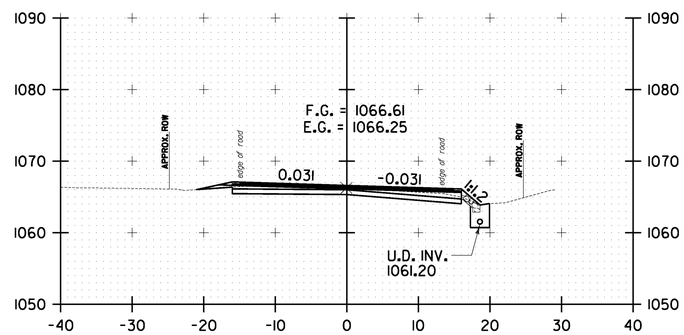
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4885



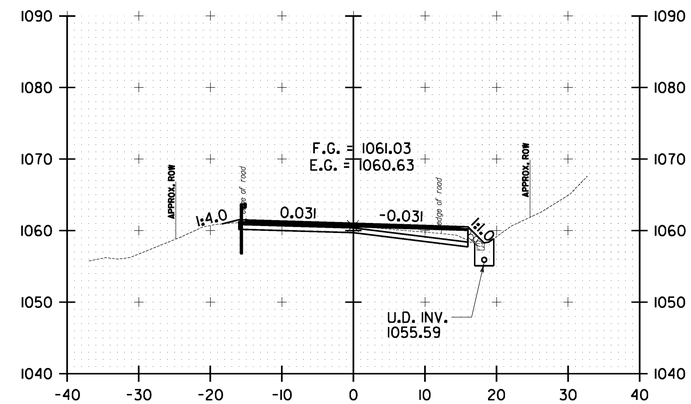
106+00.00



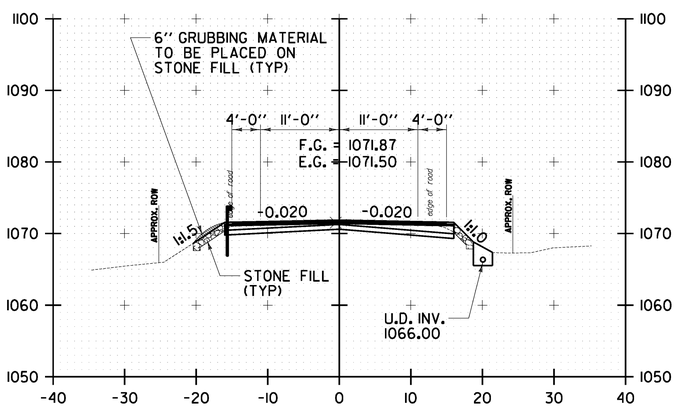
107+50.00



107+00.00



108+50.00



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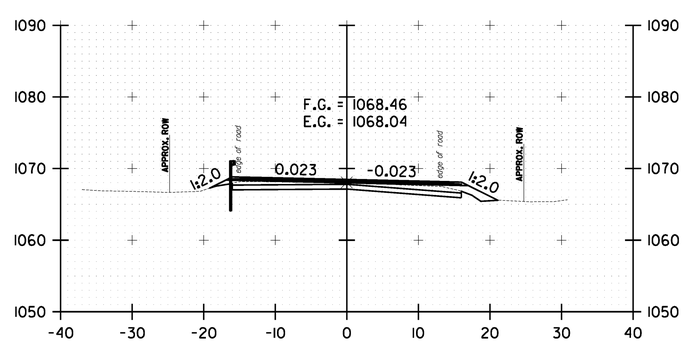
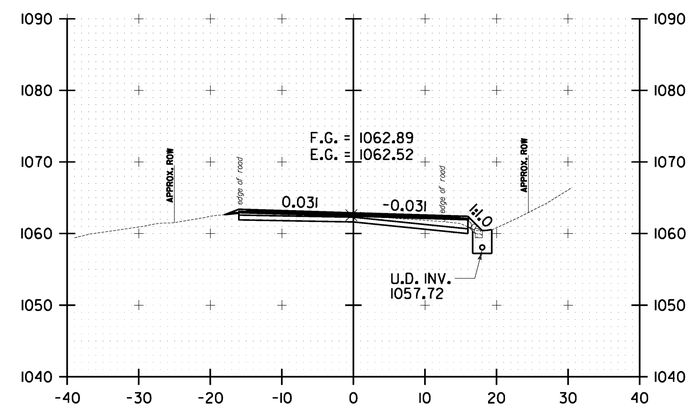


106+50.00



108+00.00

10 0 10
SCALE IN FEET

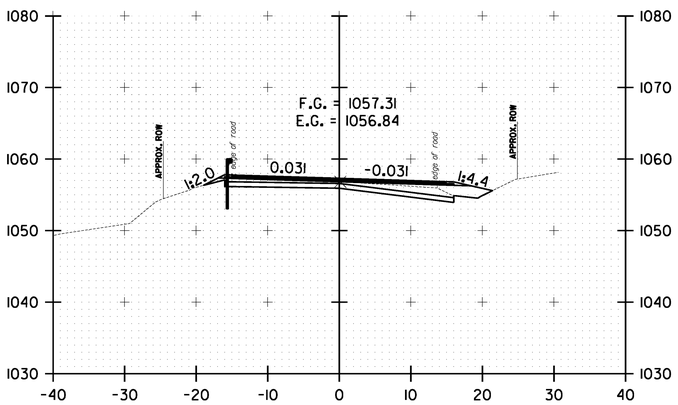
WARREN
CROSS SECTION
SHEET #21

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs21.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 184 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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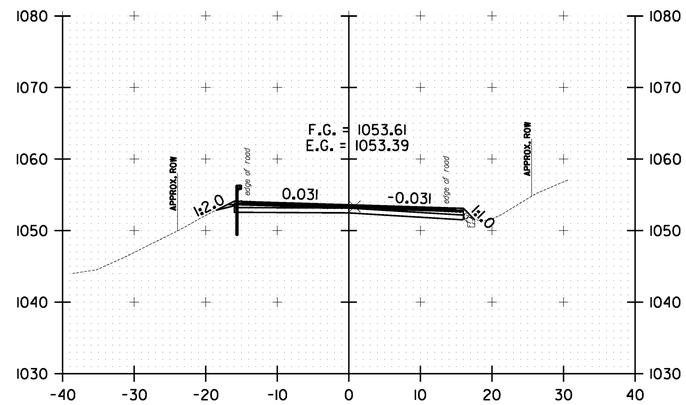

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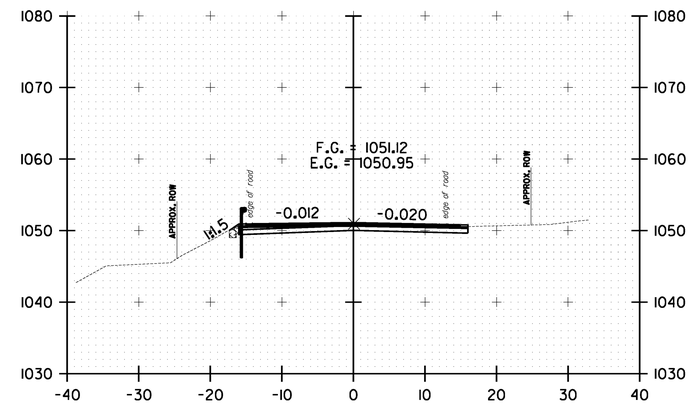

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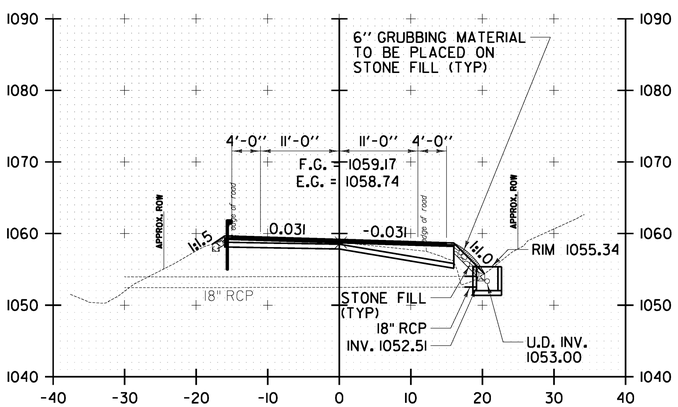

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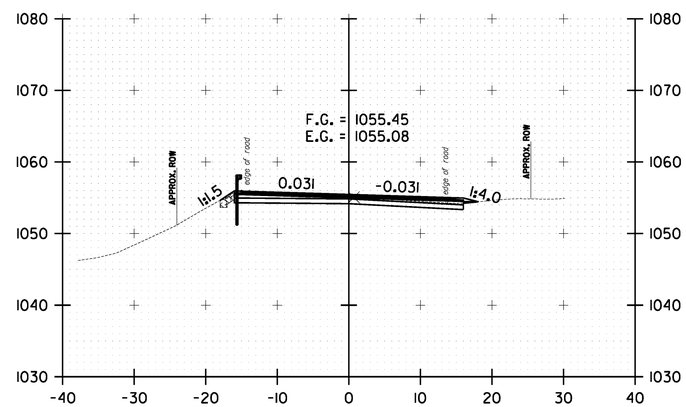
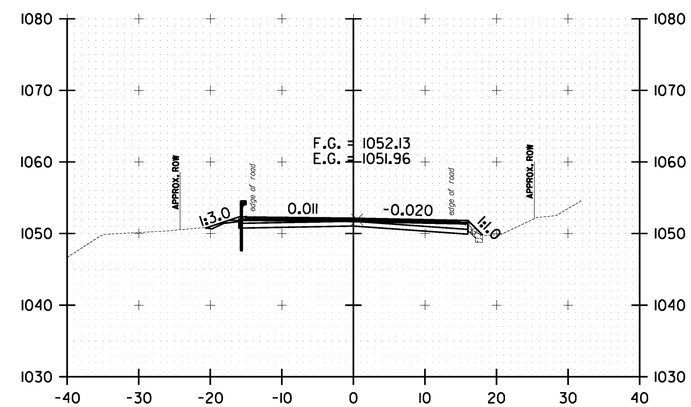


110+00.00



111+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #22

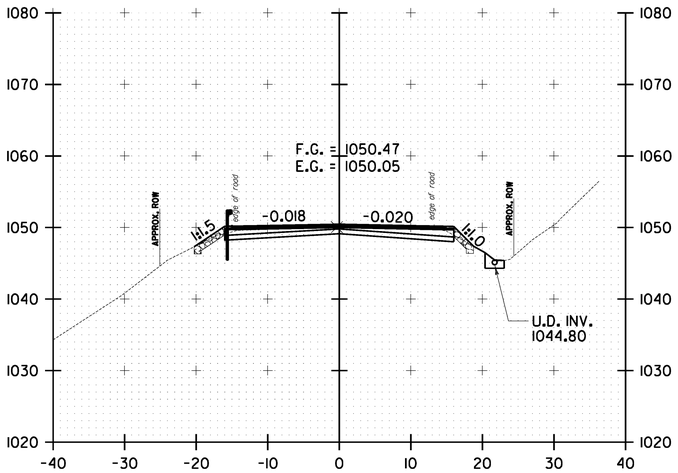
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs22.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 185 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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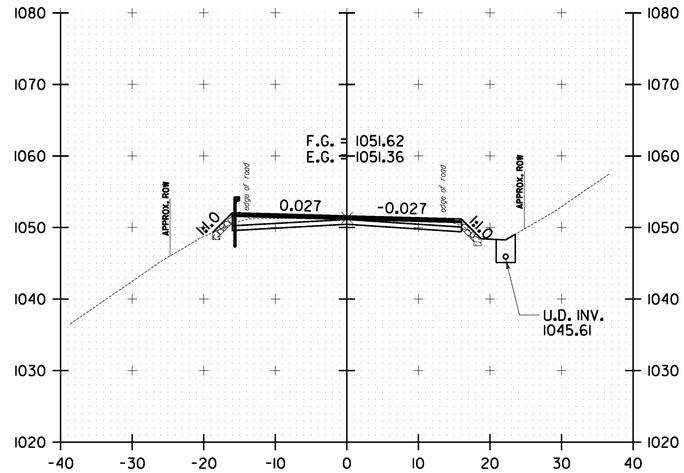

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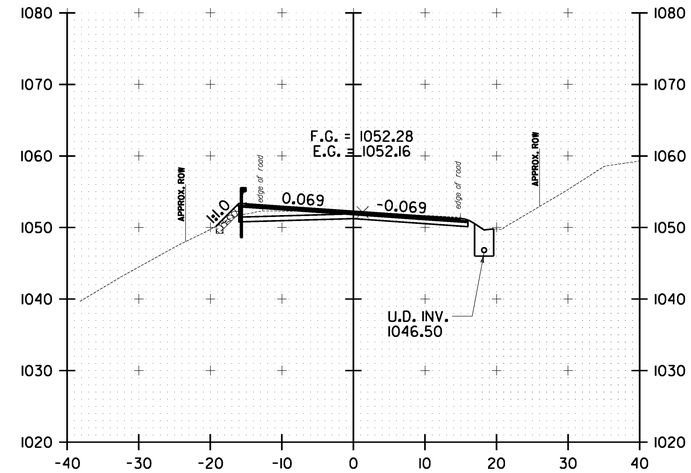
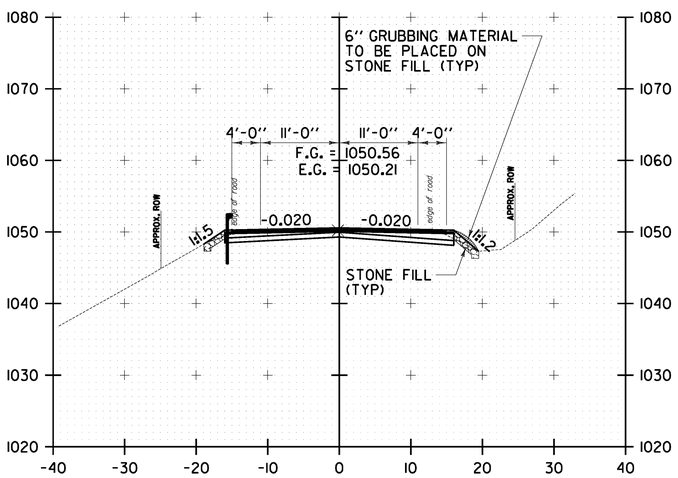


114+50.00



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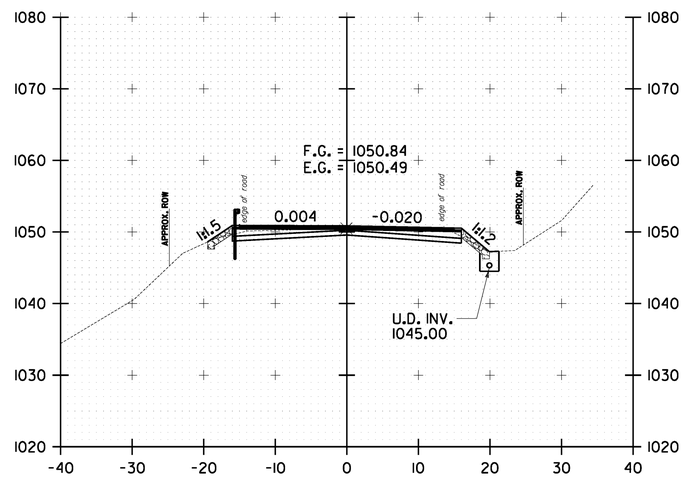
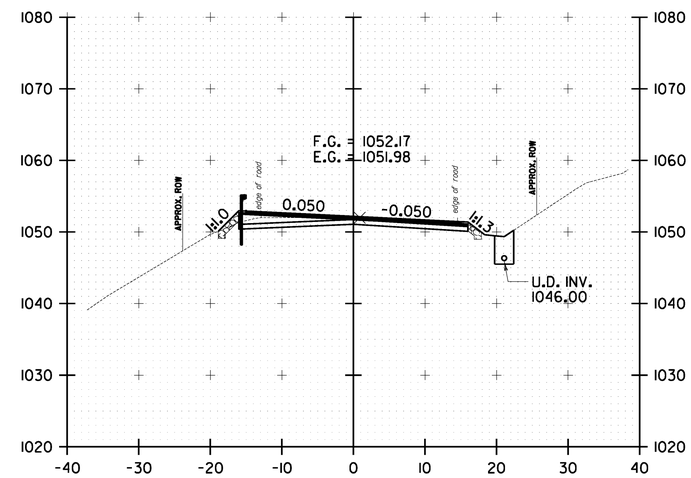


113+00.00



114+00.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #23

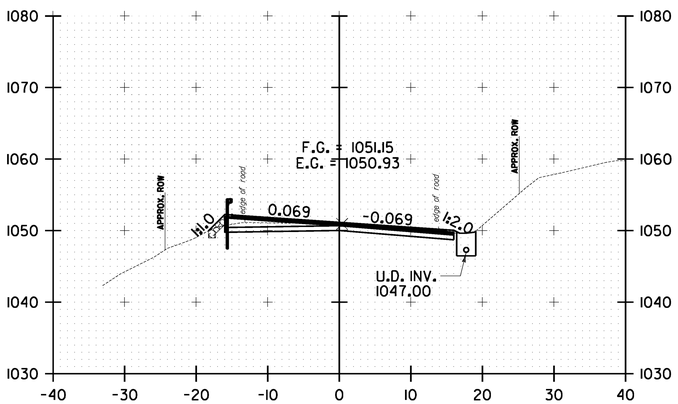
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs23.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 186 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



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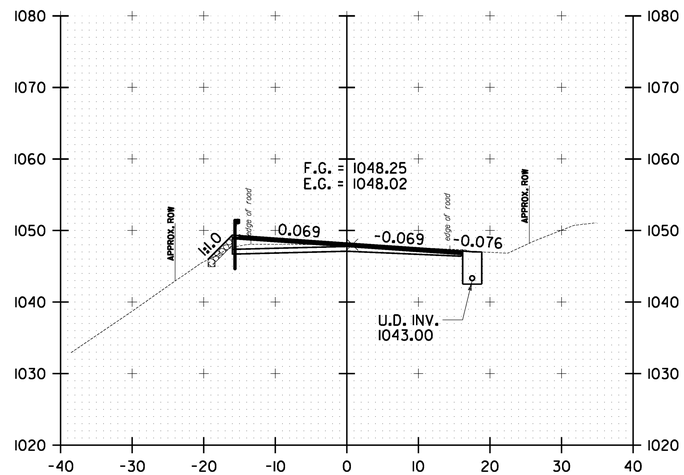
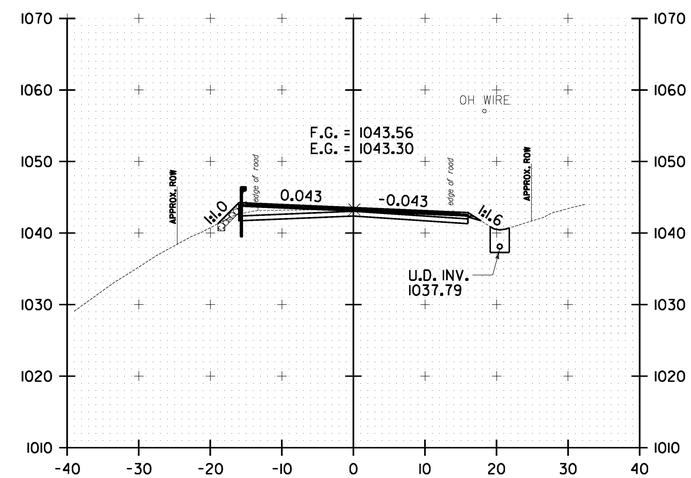


116+50.00



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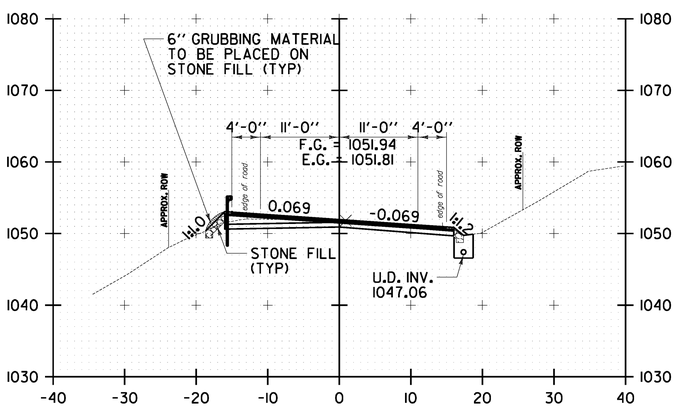

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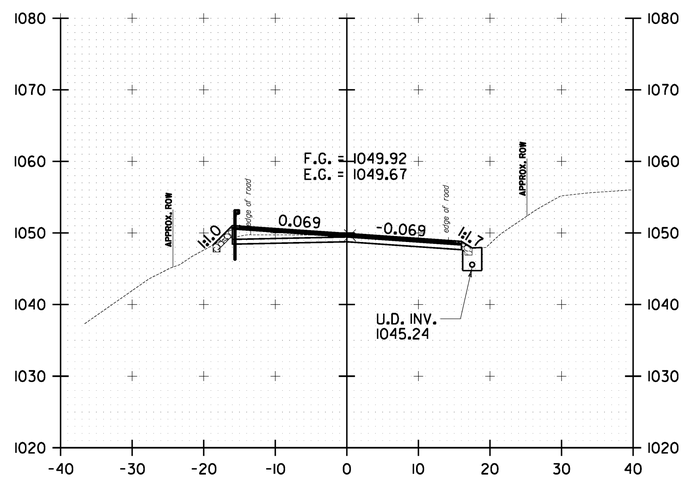

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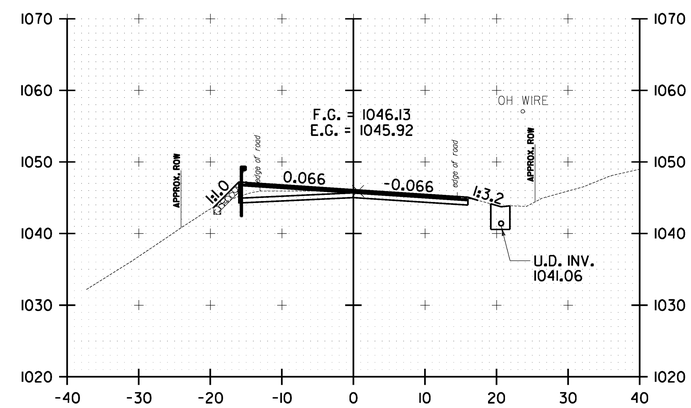


117+00.00

10 0 10
SCALE IN FEET

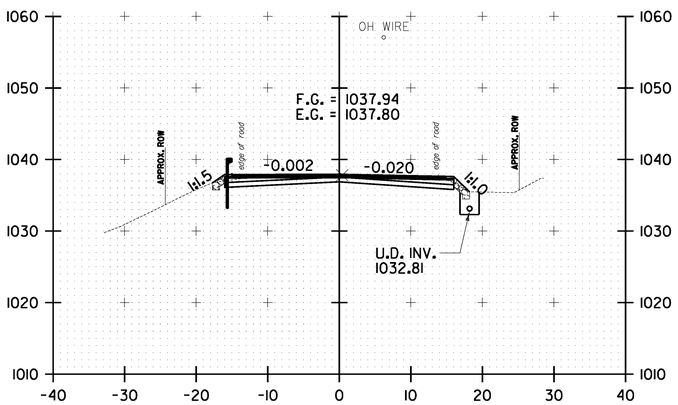
WARREN CROSS SECTION SHEET #24

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

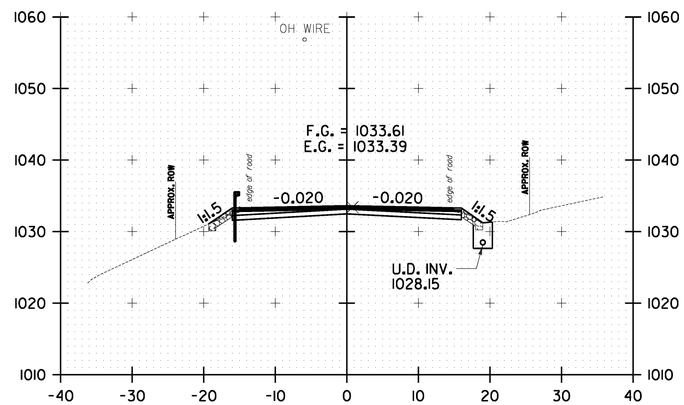
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs24.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 187 OF 310

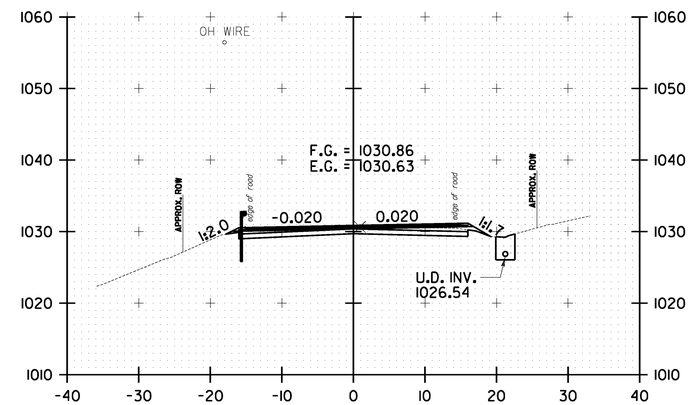
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



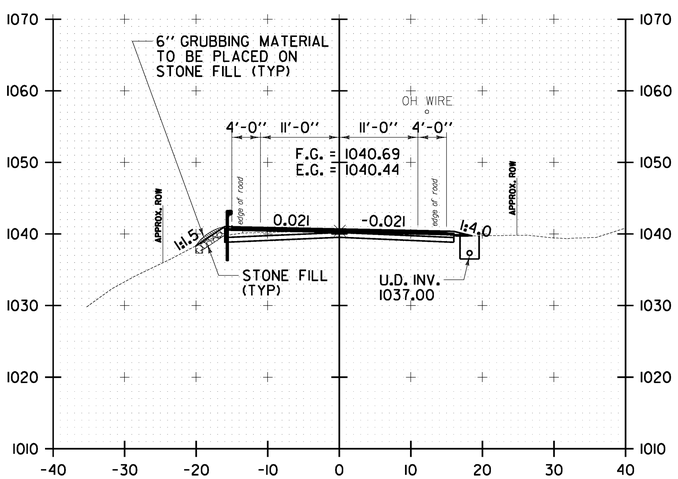
118+50.00



119+50.00



120+50.00



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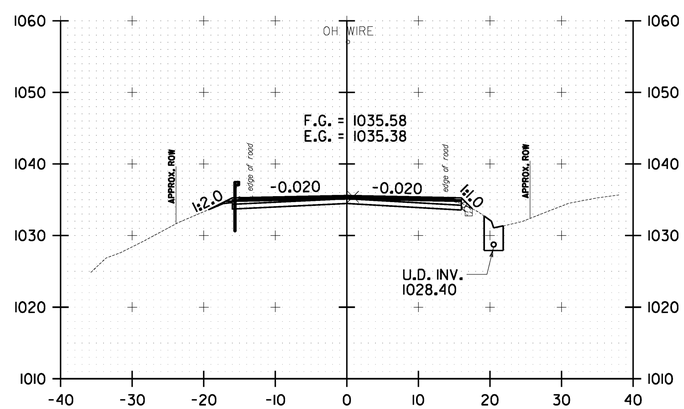
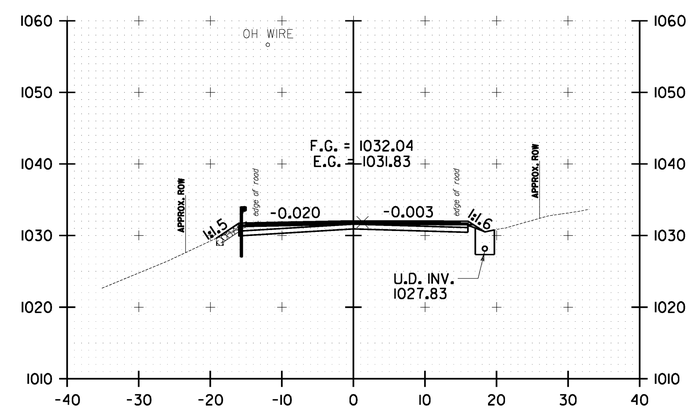


119+00.00



120+00.00

10 0 10
SCALE IN FEET

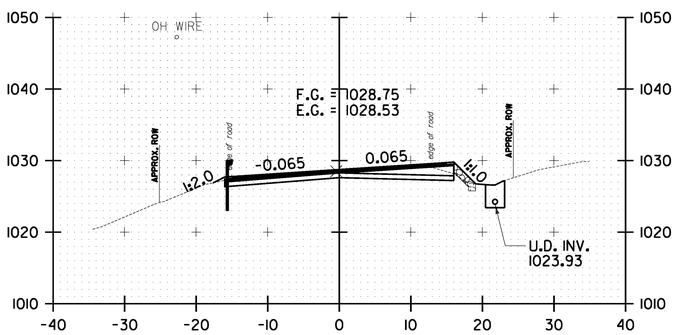
WARREN
CROSS SECTION
SHEET #25

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

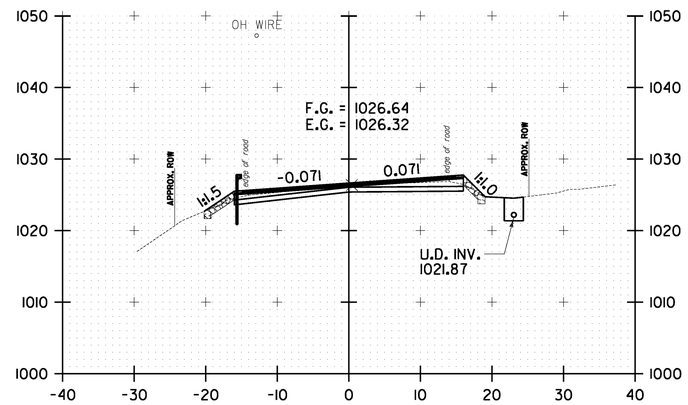
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs25.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 188 OF 310

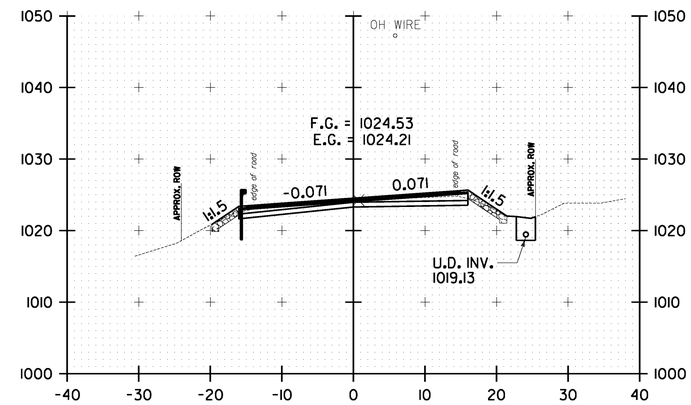
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



121+50.00



122+50.00



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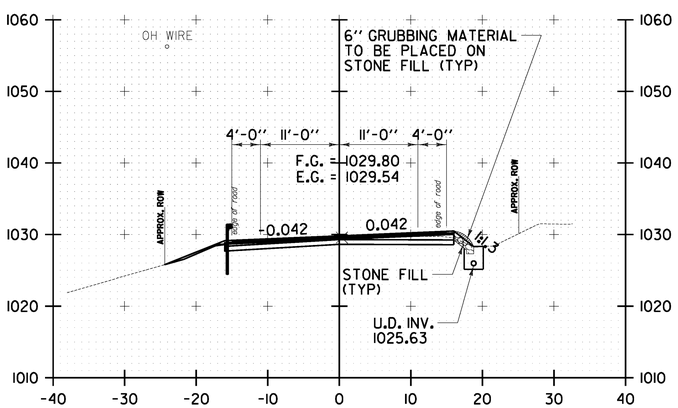

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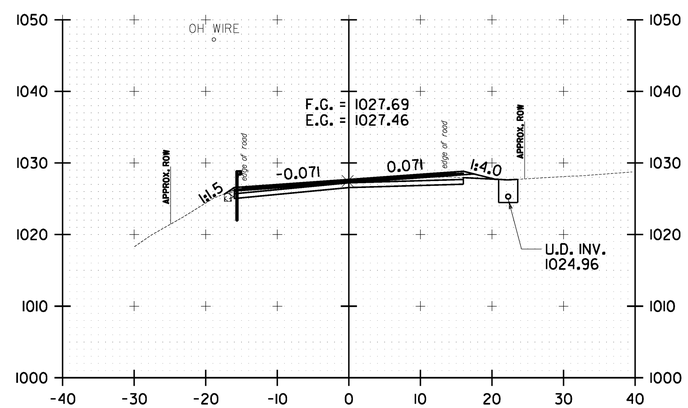
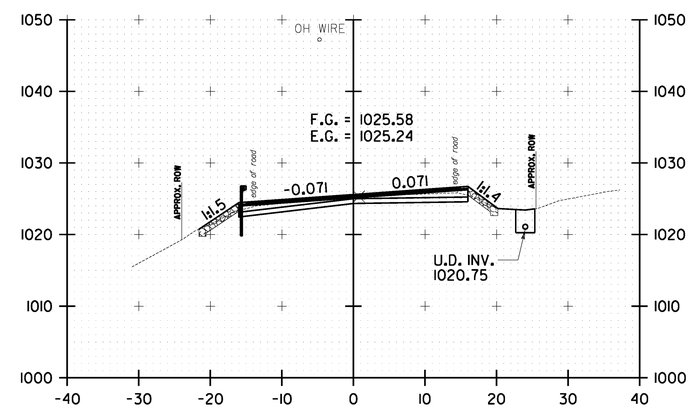


122+00.00



123+00.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #26

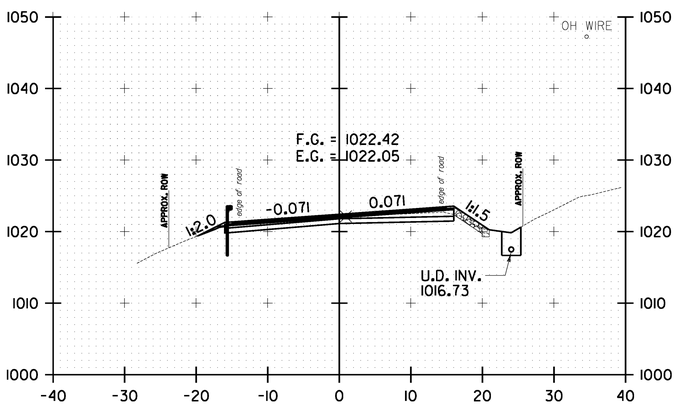
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

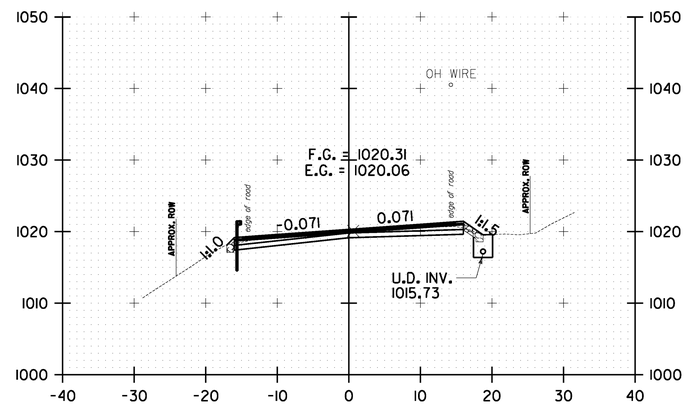
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs26.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 189 OF 310

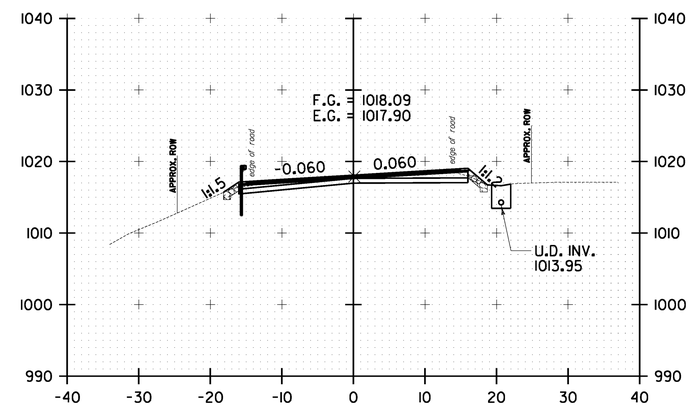
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



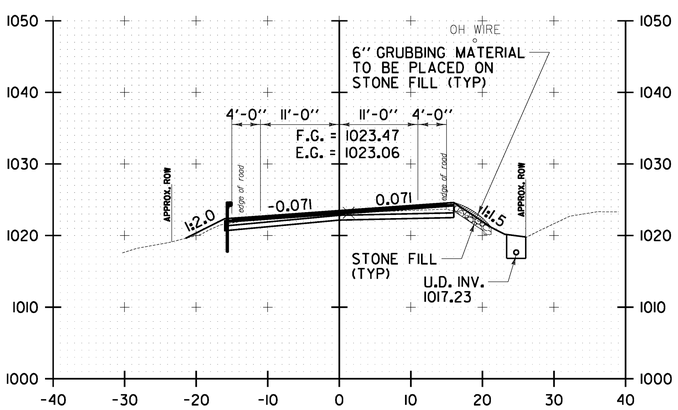
124+50.00



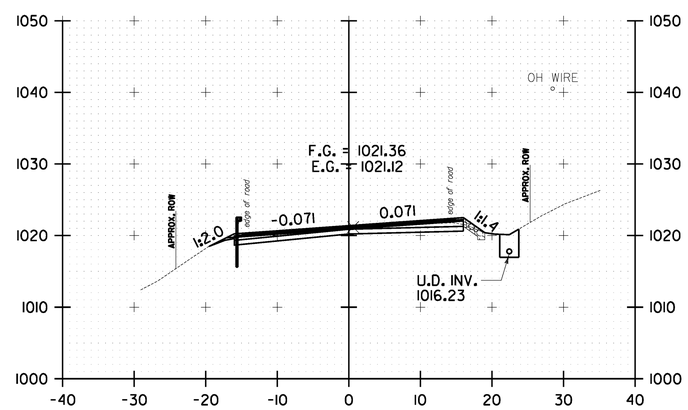
125+50.00



126+50.00



124+00.00



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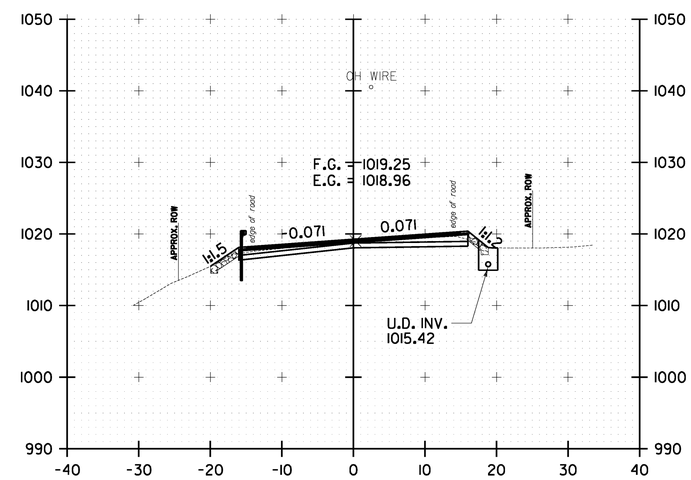


126+00.00

10 0 10
SCALE IN FEET

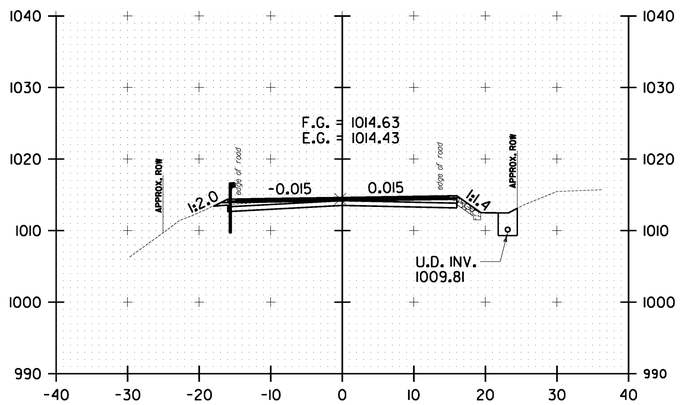
WARREN
CROSS SECTION
SHEET #27

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

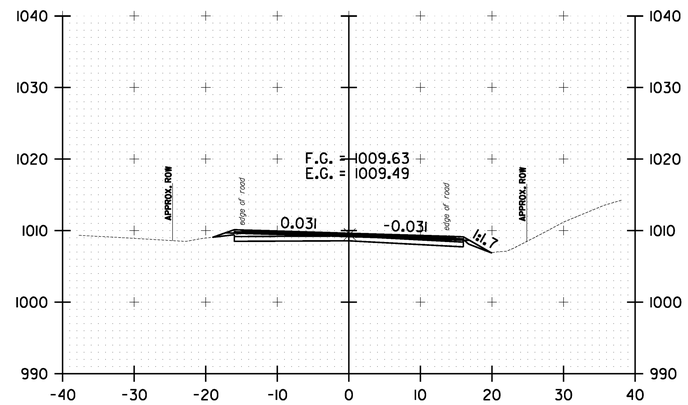
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs27.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 190 OF 310

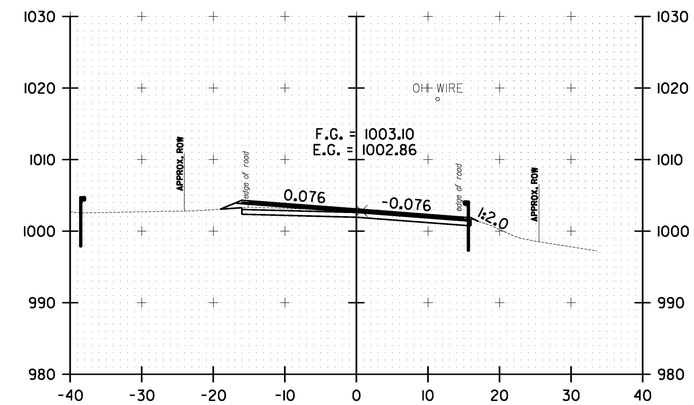
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



127+50.00



128+50.00



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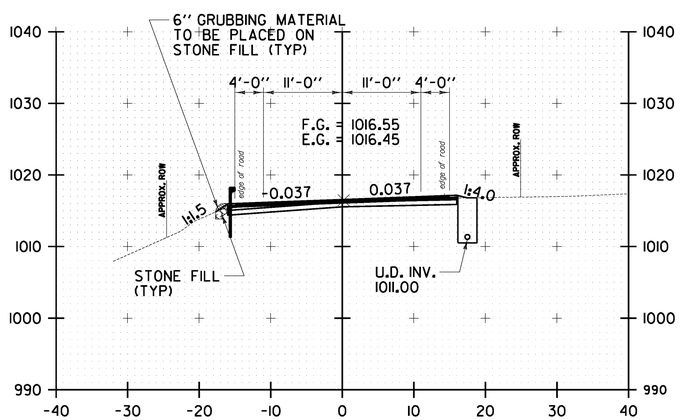

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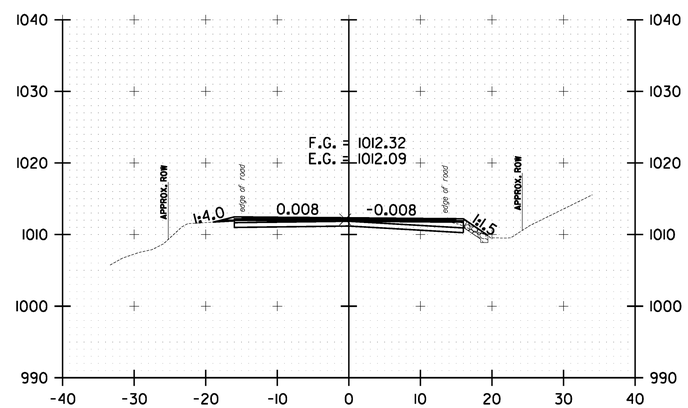
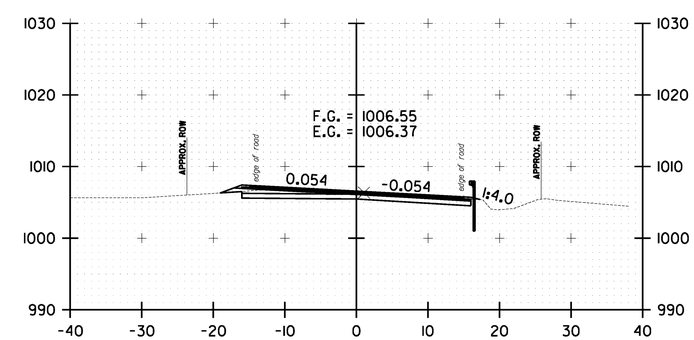


128+00.00



129+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #28

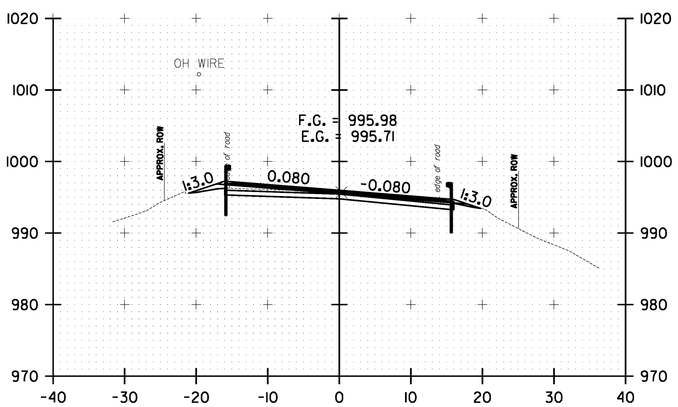
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs28.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 191 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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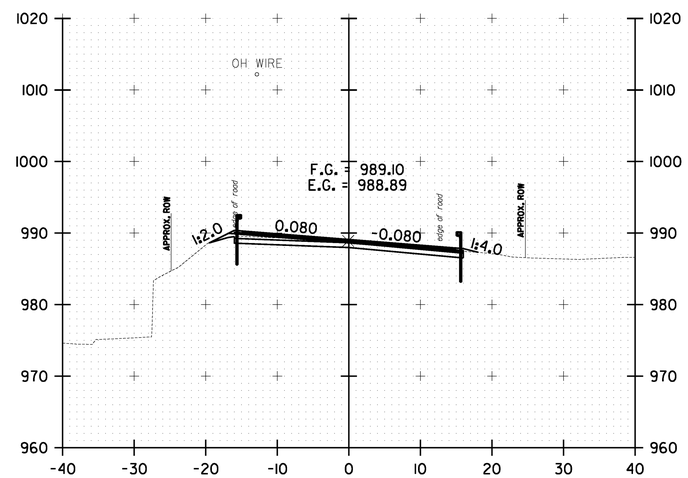
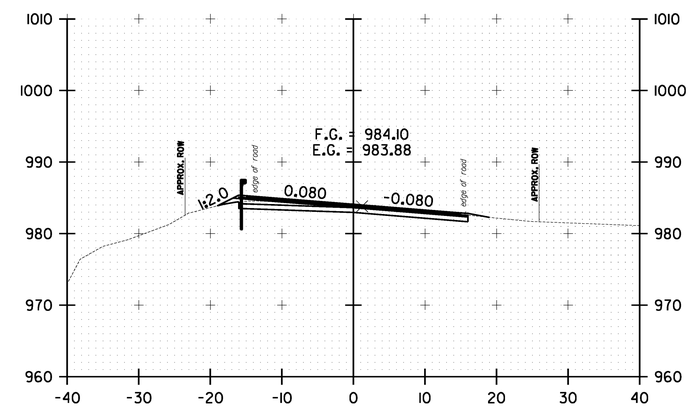


131+50.00



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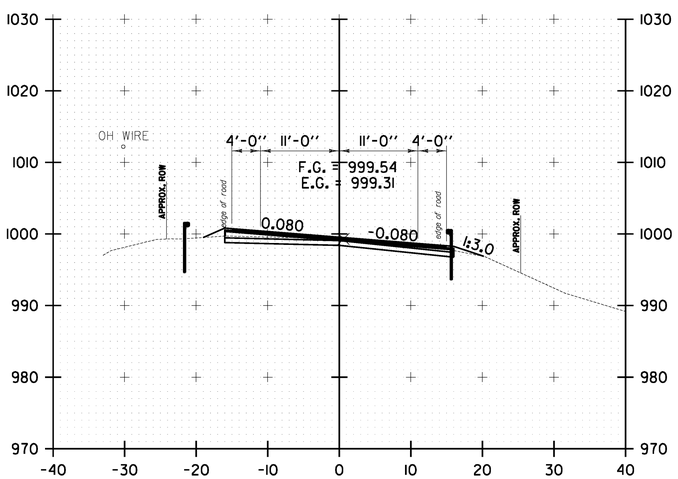

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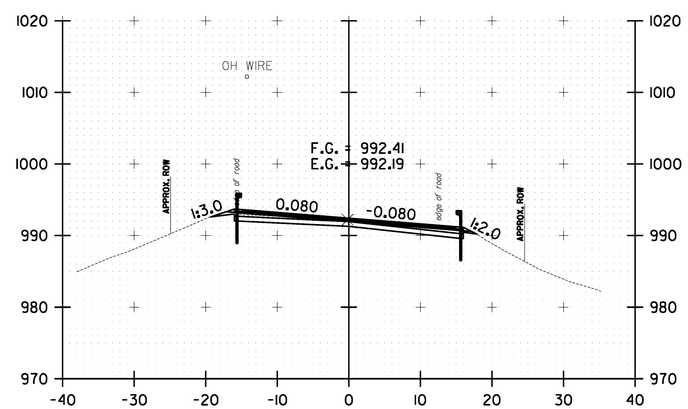
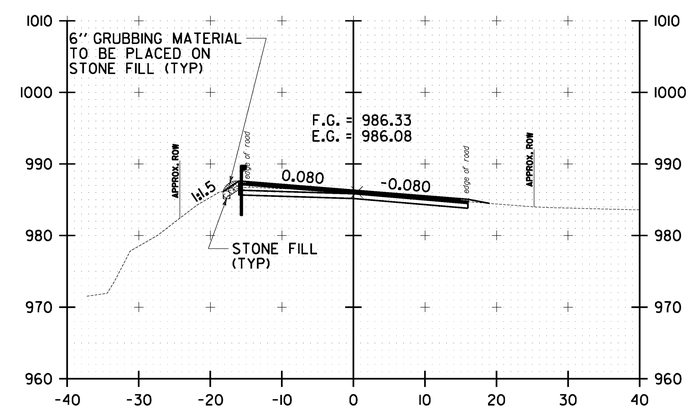


131+00.00



132+00.00

10 0 10
SCALE IN FEET

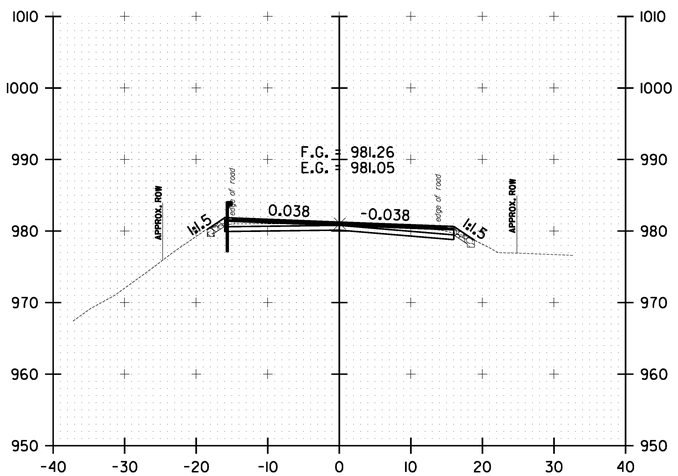
WARREN
CROSS SECTION
SHEET #29

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs29.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 192 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



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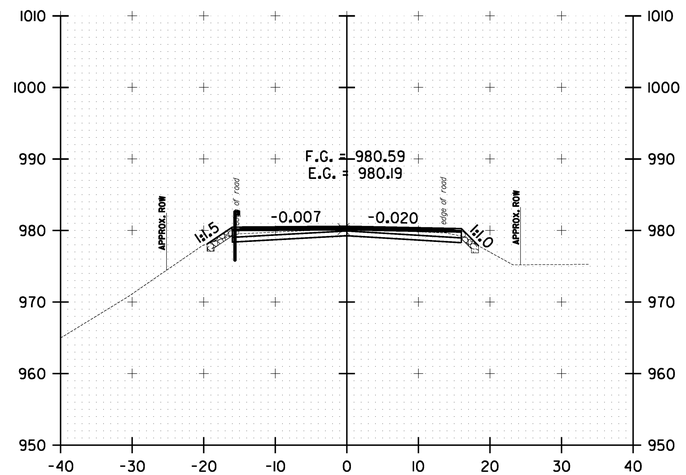
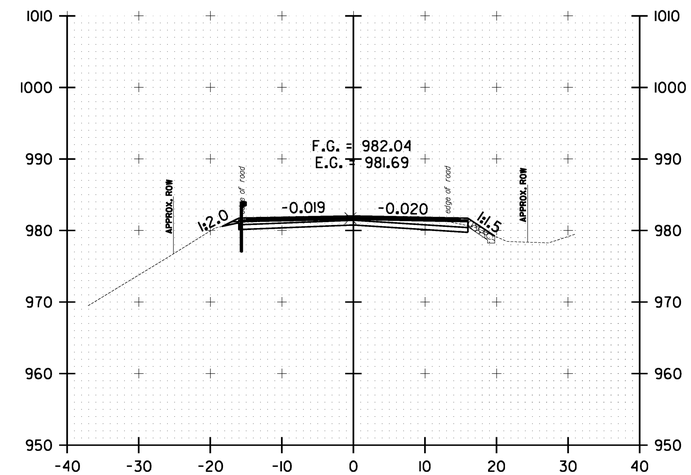


134+50.00



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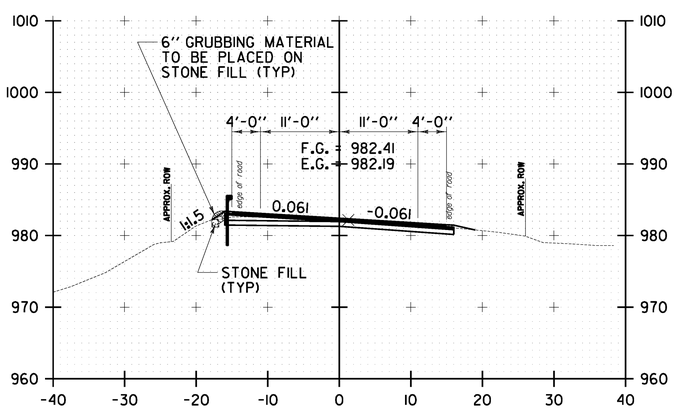

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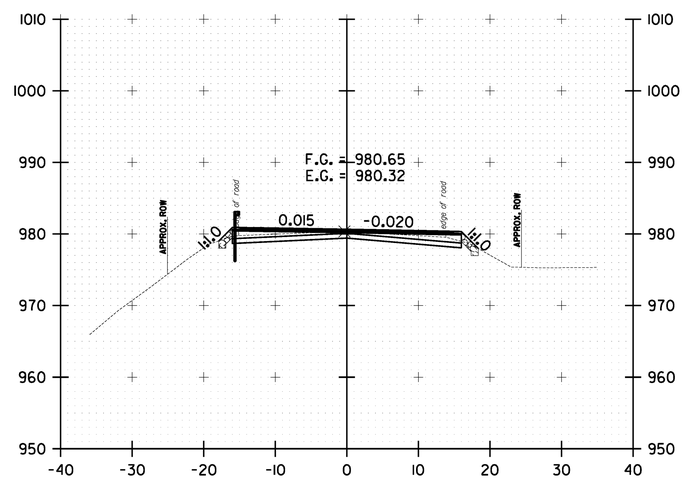

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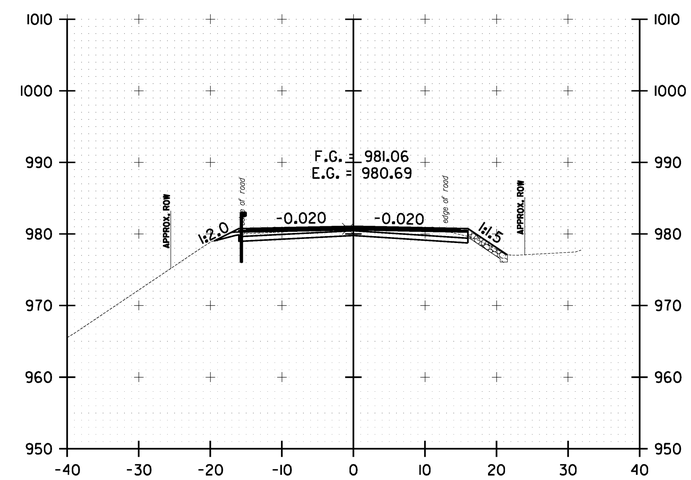


135+00.00

10 0 10
SCALE IN FEET

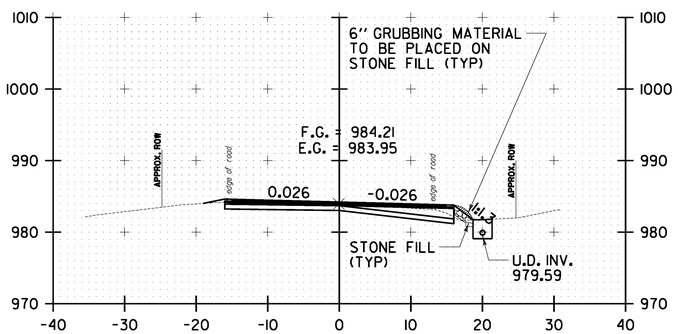
WARREN
CROSS SECTION
SHEET #30

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

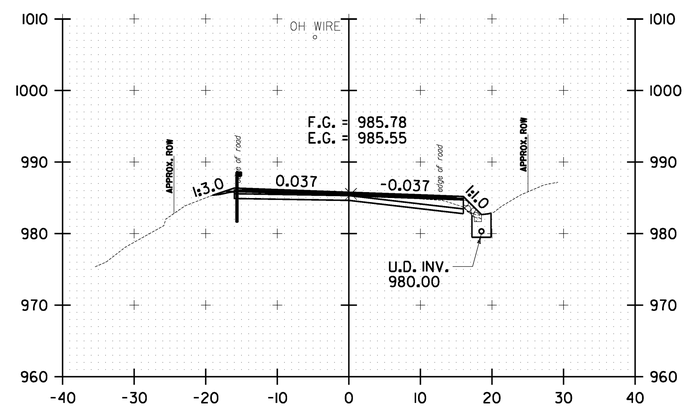
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs30.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 193 OF 310

FILE NAME = U:\17762\CADD\HSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



136+50.00



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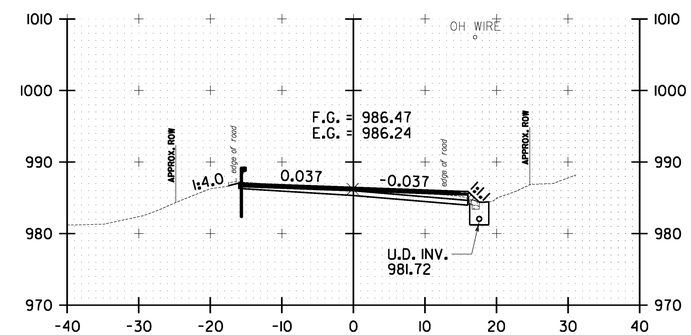
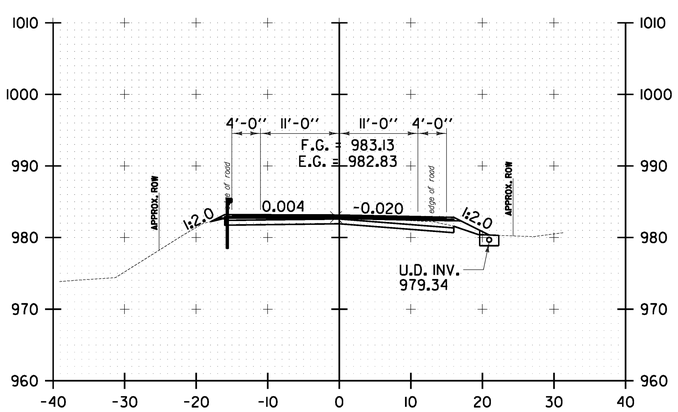


138+50.00



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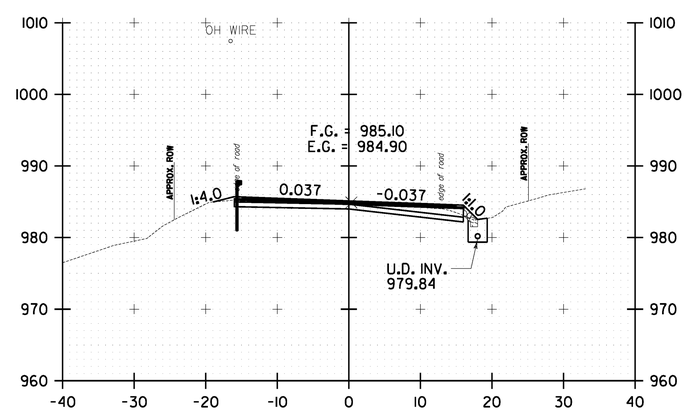

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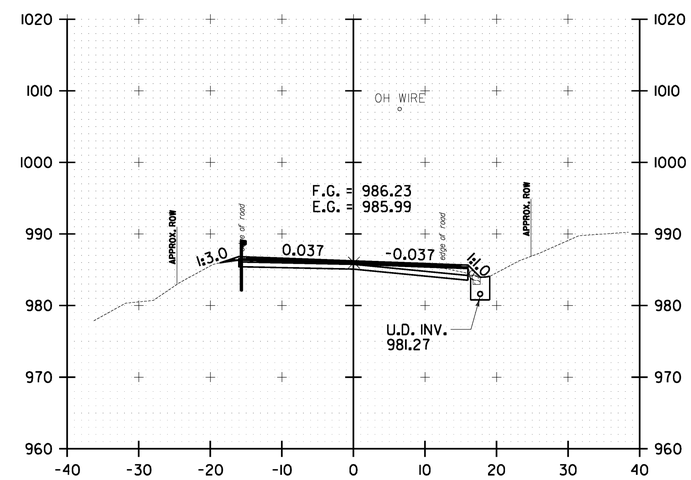


138+00.00

10 0 10
SCALE IN FEET

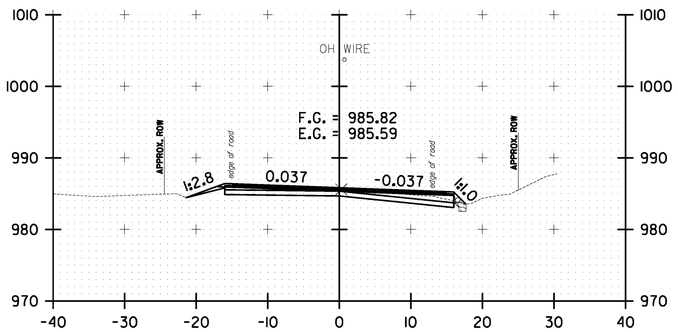
WARREN CROSS SECTION SHEET #31

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

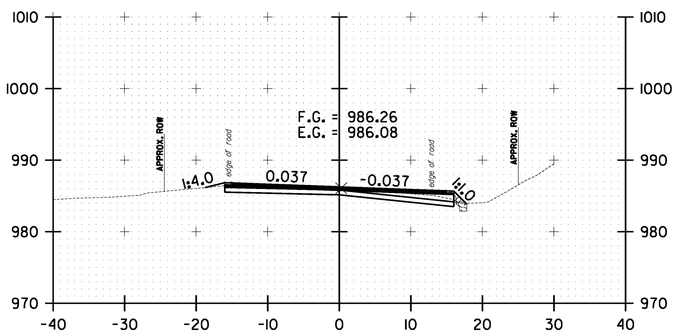
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs31.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 194 OF 310

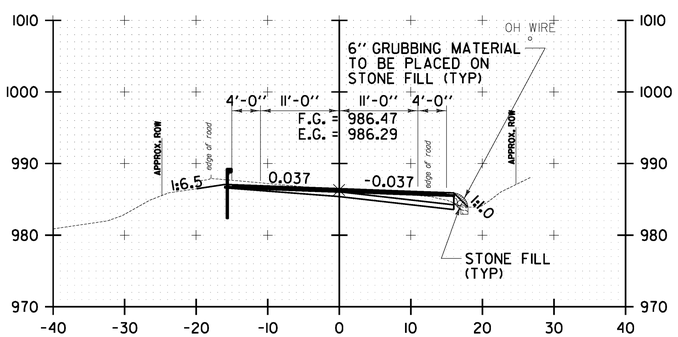
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



140+00.00



139+50.00



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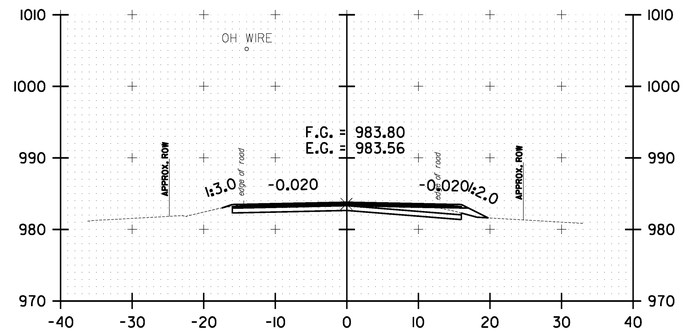

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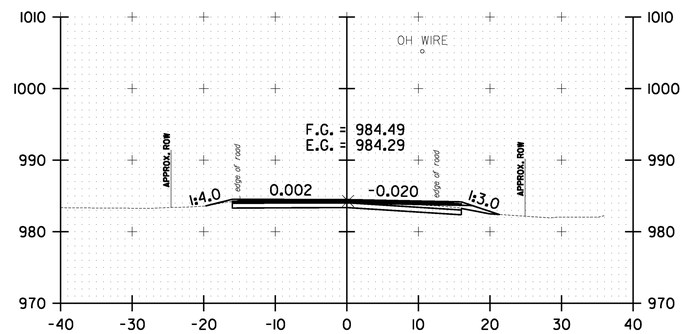
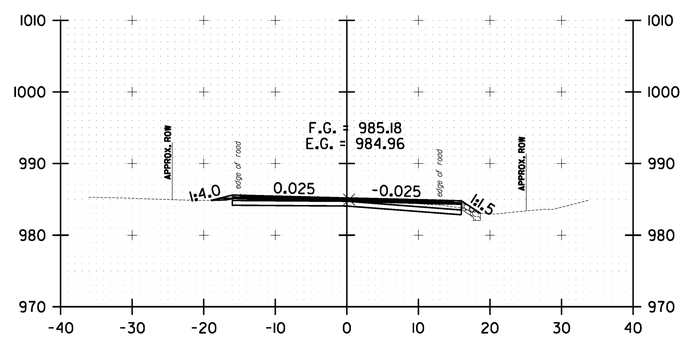
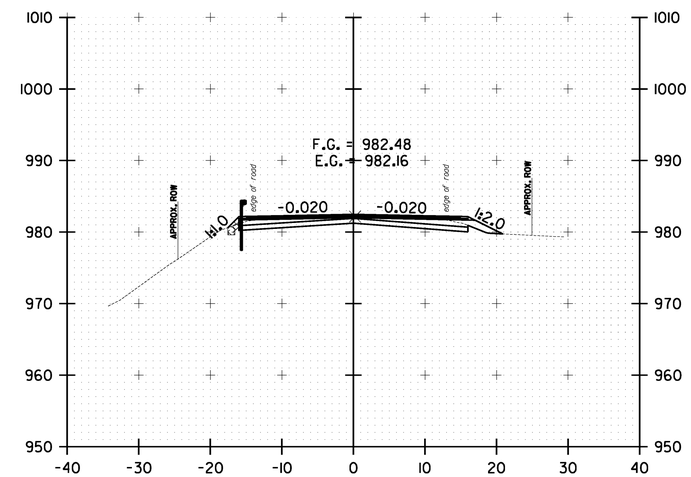


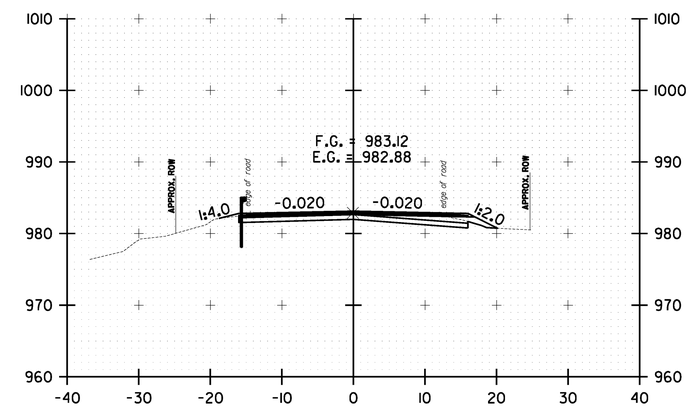
141+00.00



140+50.00



142+50.00



142+00.00

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SCALE IN FEET

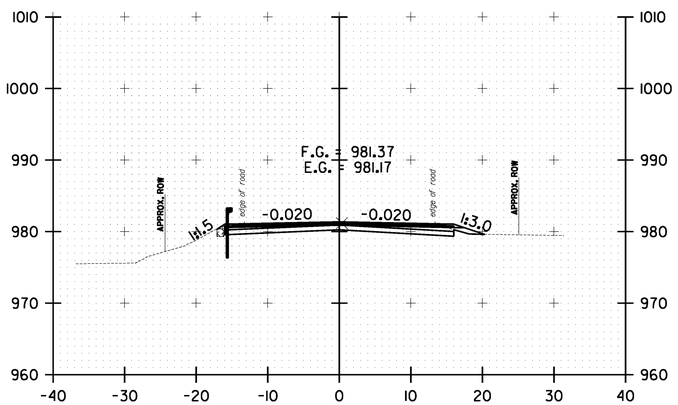
WARREN CROSS SECTION SHEET #32

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

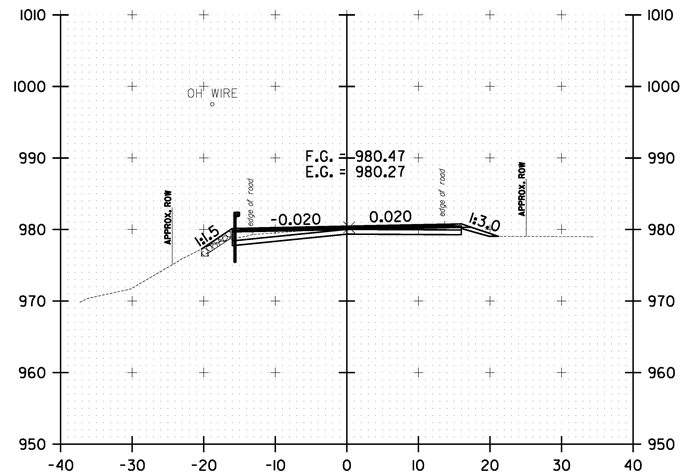
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs32.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 195 OF 310

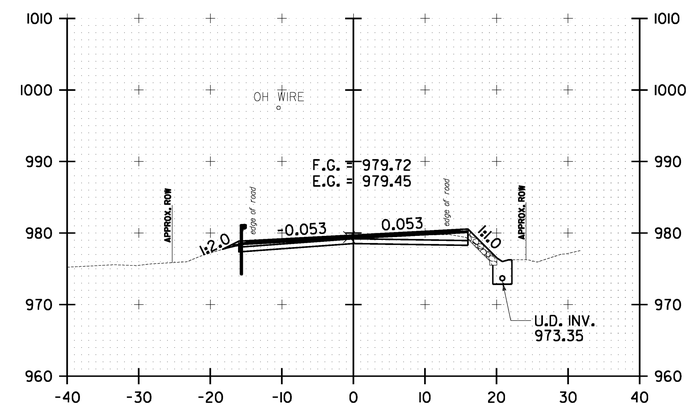
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



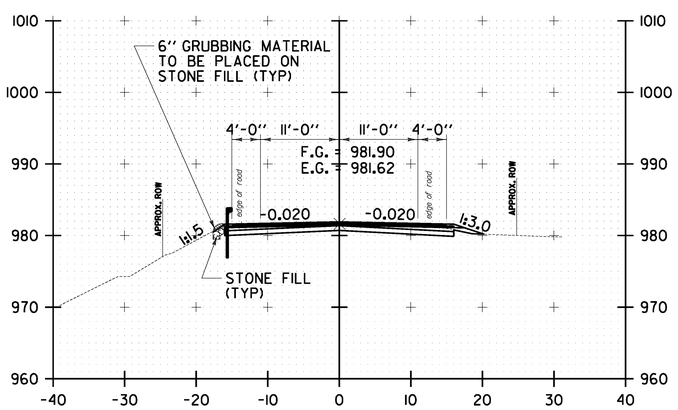
143+50.00



144+50.00



145+50.00



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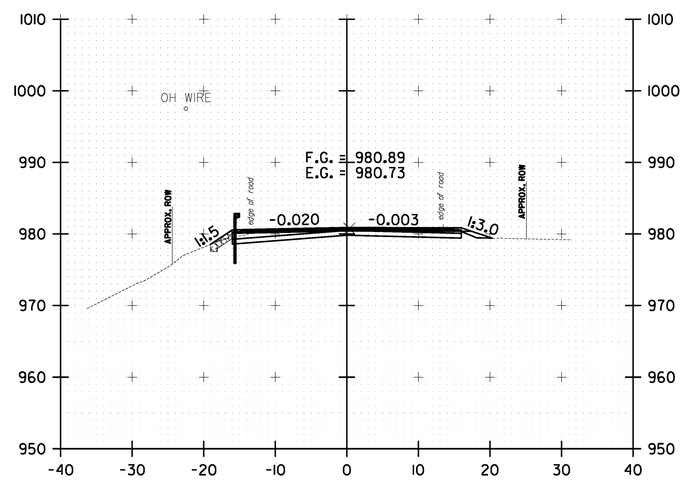
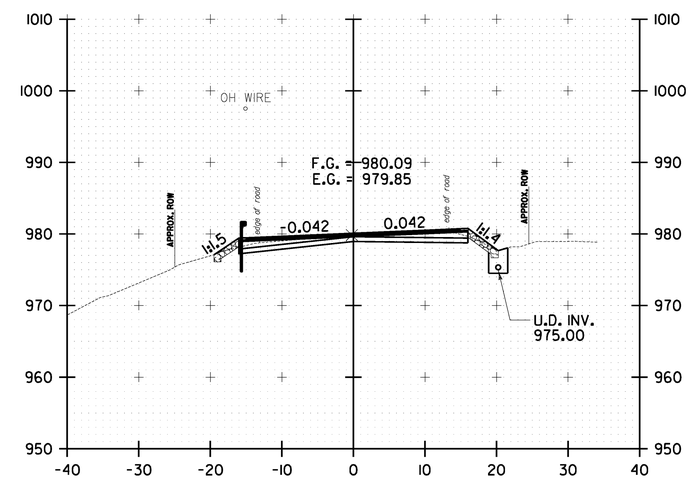


144+00.00



145+00.00

10 0 10
SCALE IN FEET

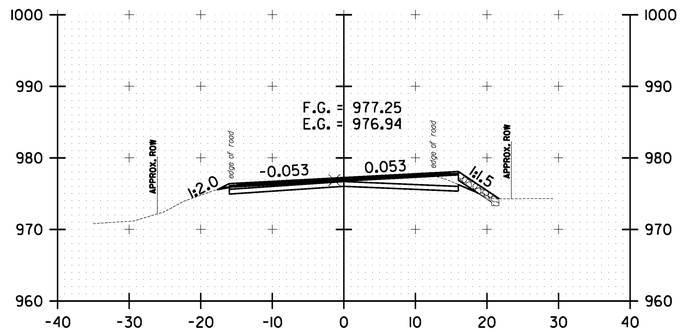
WARREN CROSS SECTION SHEET #33

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

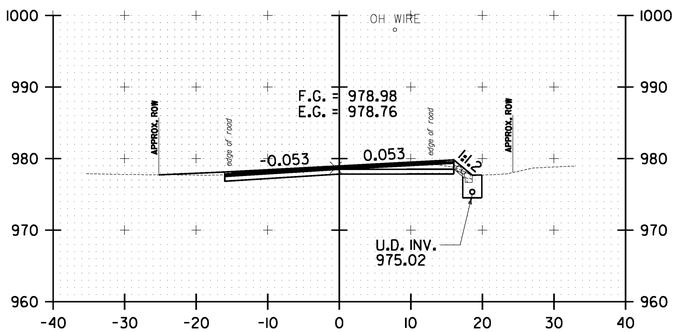
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs33.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 196 OF 310

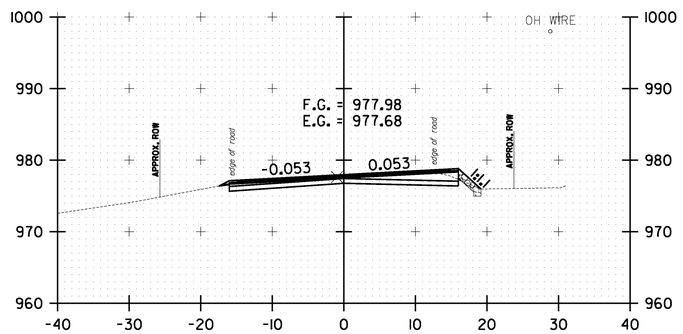
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066



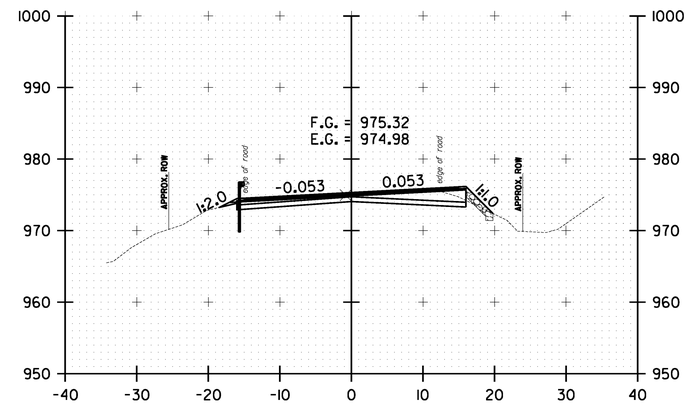
148+00.00



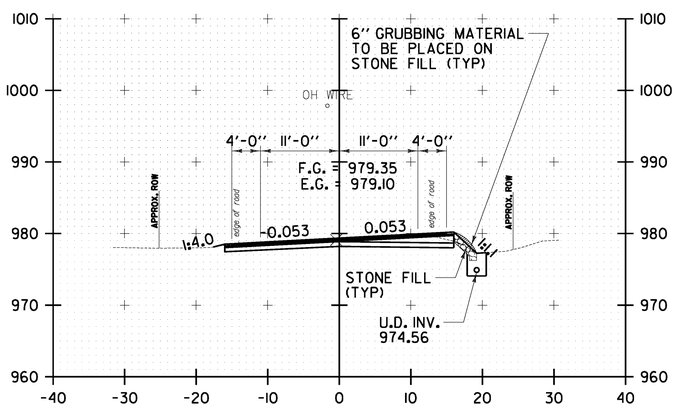
146+50.00



147+50.00



149+00.00



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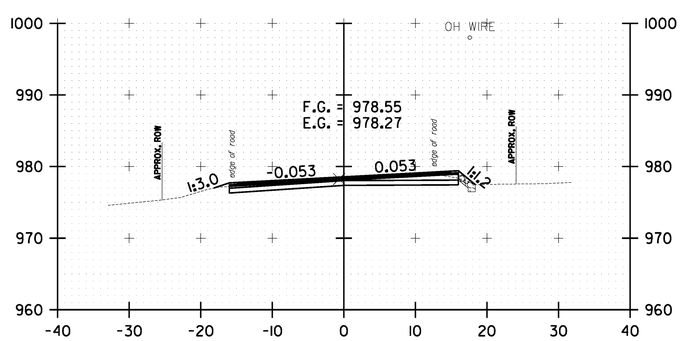

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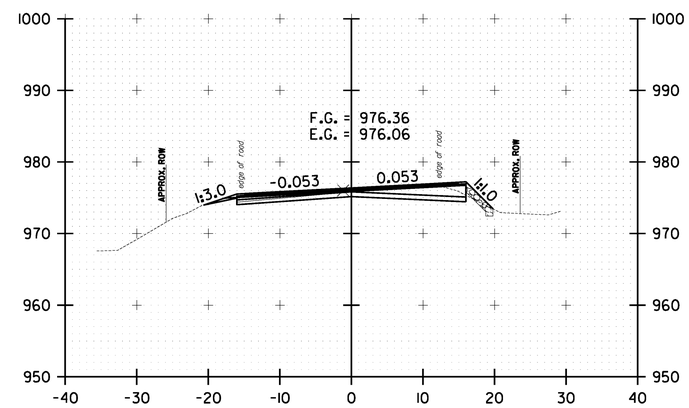


148+50.00

10 0 10
SCALE IN FEET

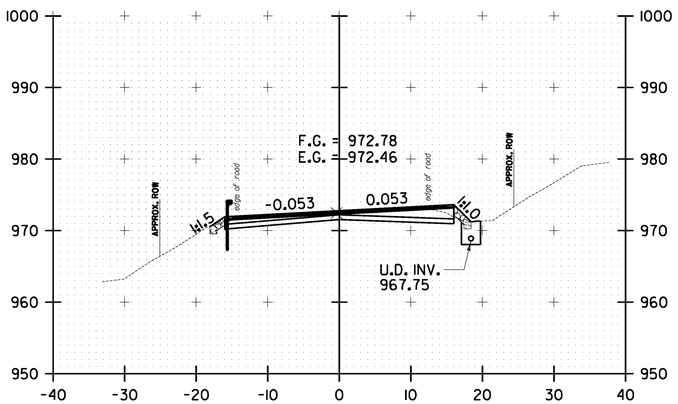
WARREN CROSS SECTION SHEET #34

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs34.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 197 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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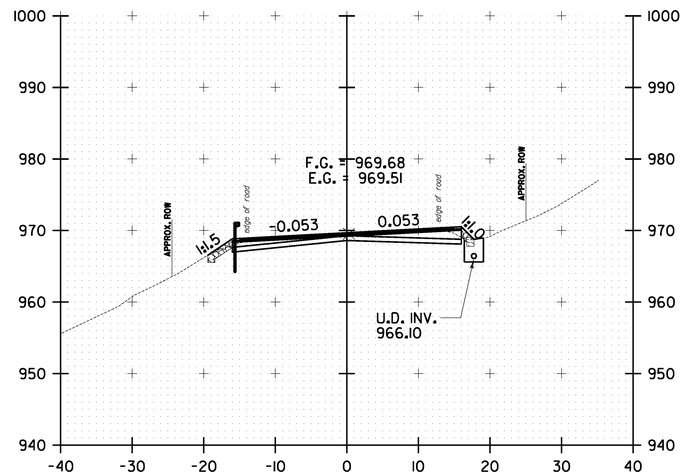

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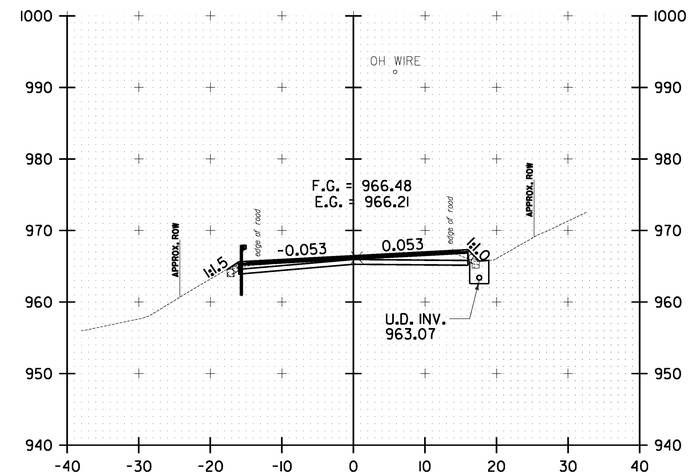
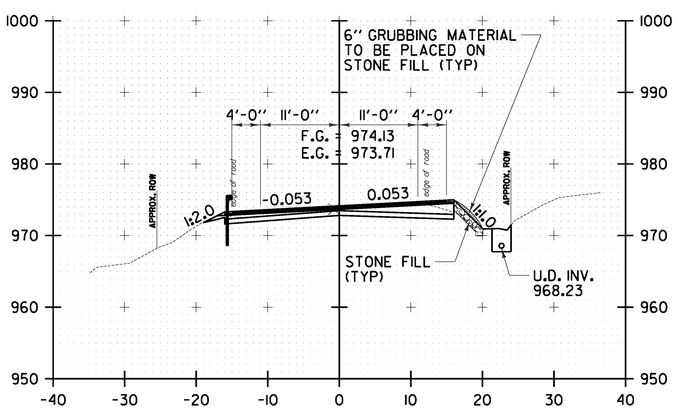


152+00.00



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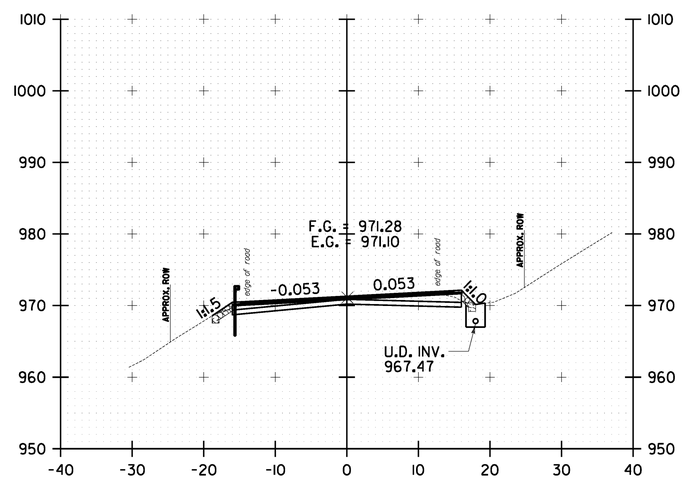
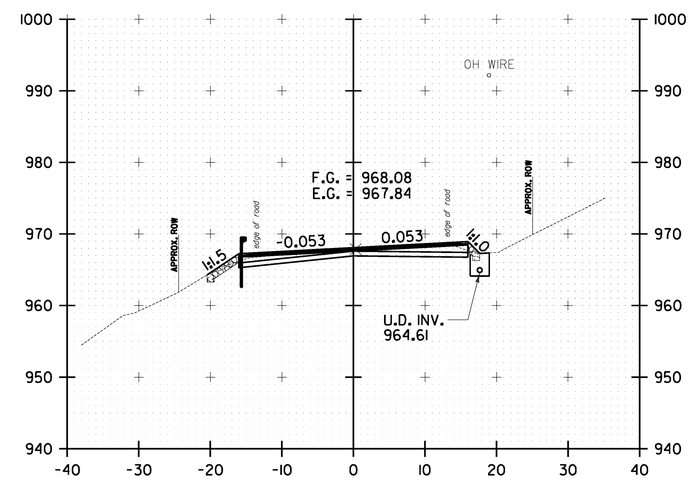


150+50.00



151+50.00

10 0 10
SCALE IN FEET

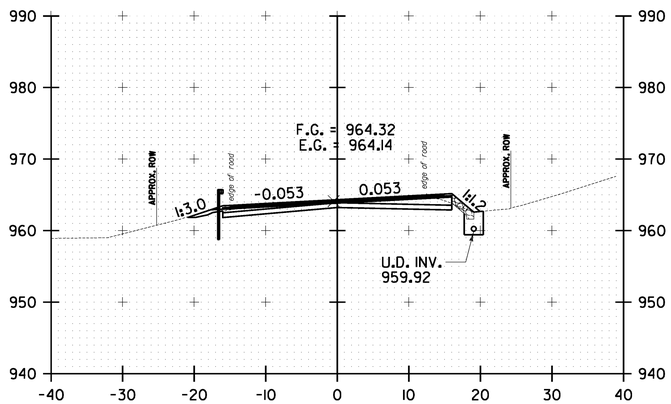
WARREN CROSS SECTION SHEET #35

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

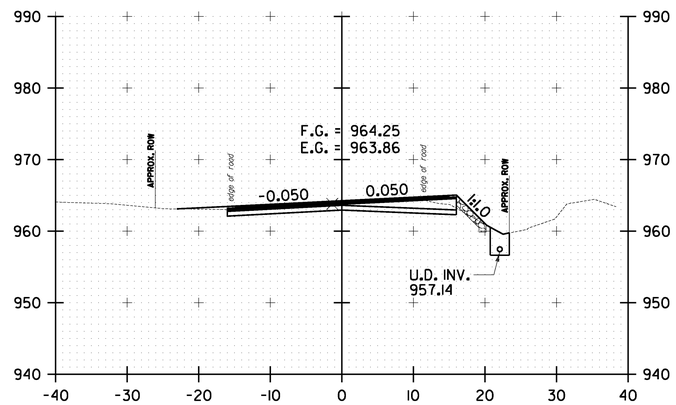
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs35.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 198 OF 310

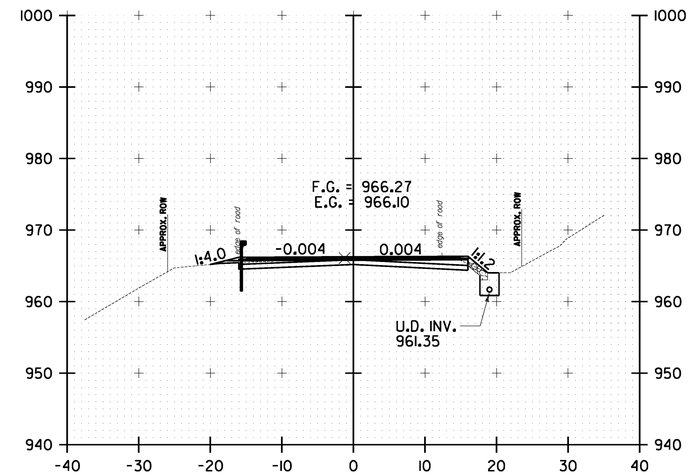
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



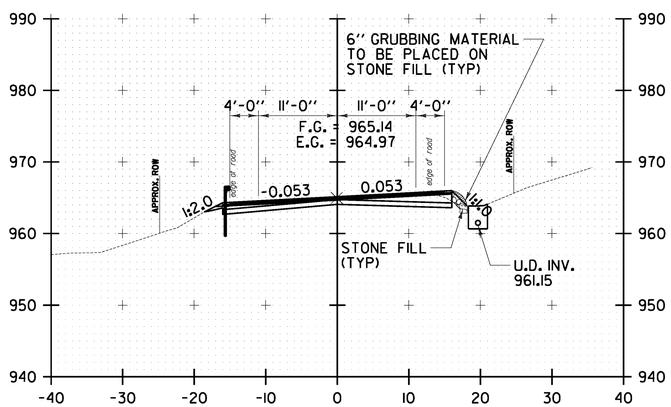
153+00.00



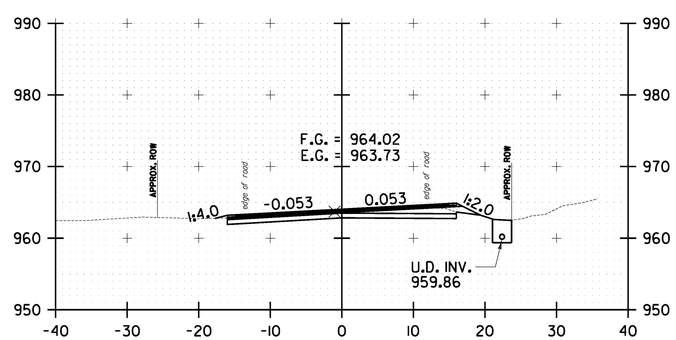
154+00.00



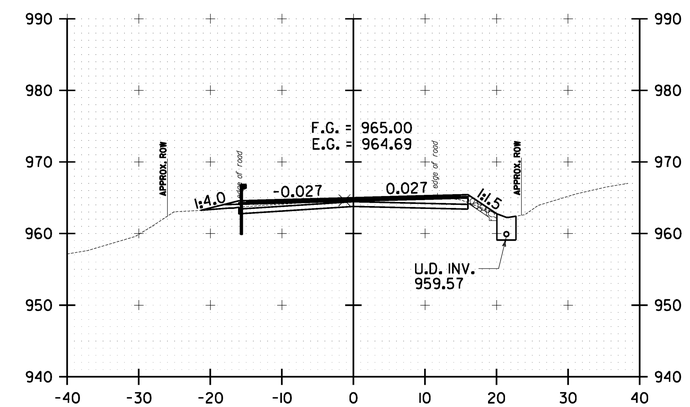
155+00.00



152+50.00



153+50.00



154+50.00

10 0 10
SCALE IN FEET

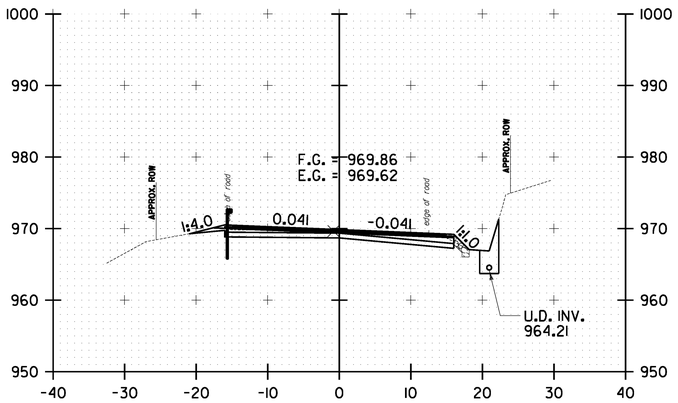
WARREN CROSS SECTION SHEET #36

PROJECT NAME: WARREN-WAITSFIELD

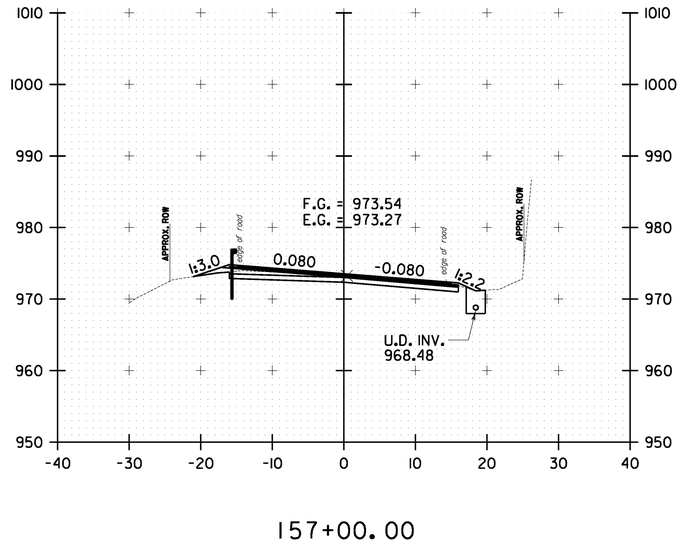
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs36.i	SHEET 199 OF 310

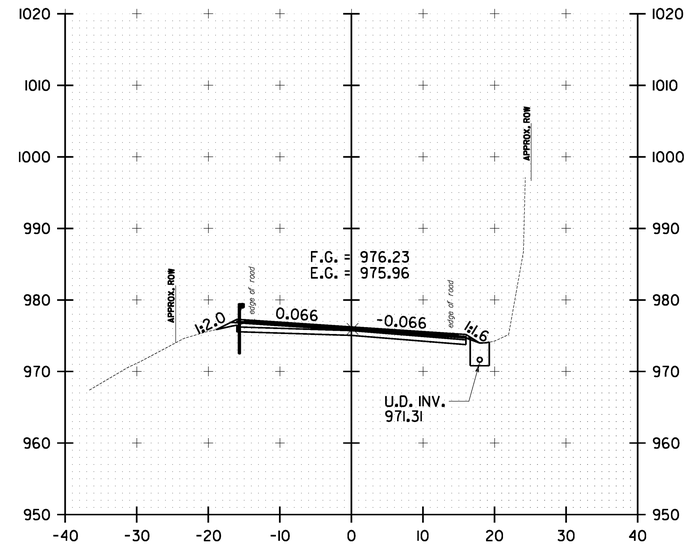
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



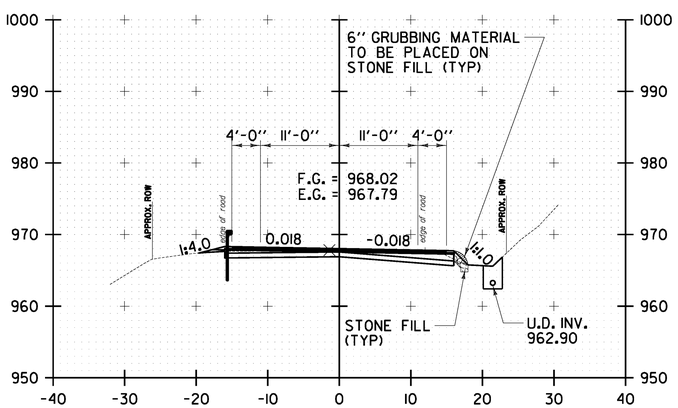
156+00.00



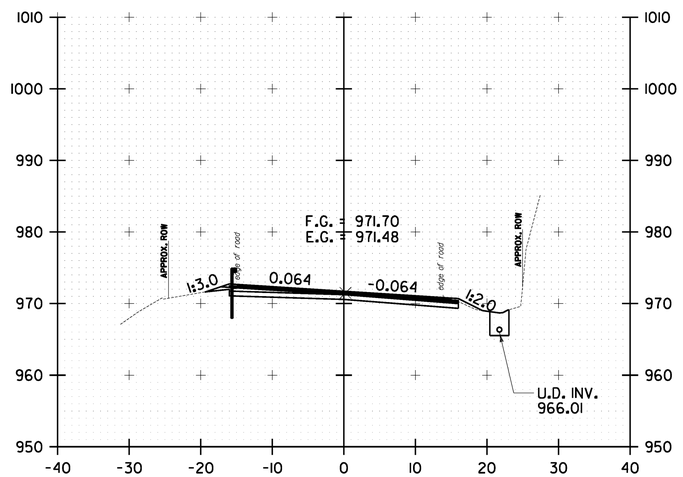
157+00.00



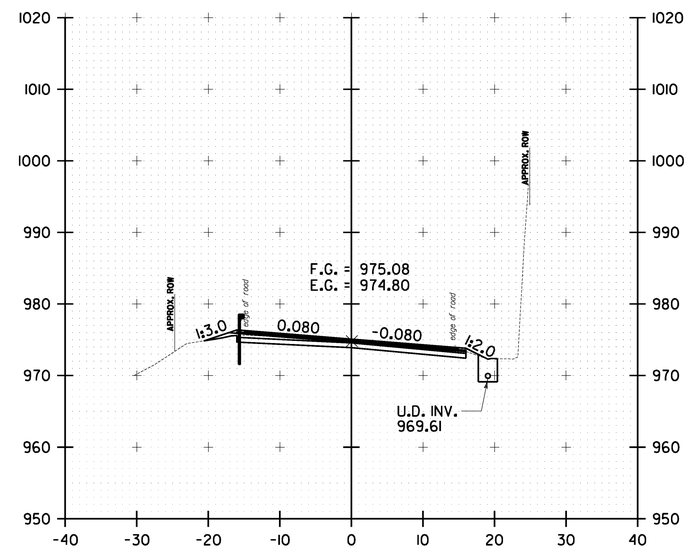
158+00.00



155+50.00



156+50.00



157+50.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #37

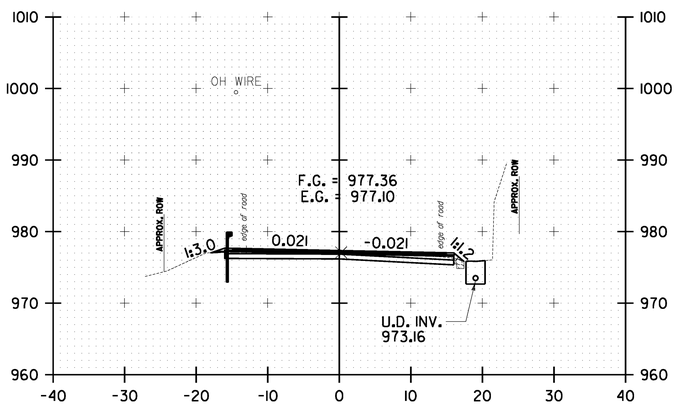
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

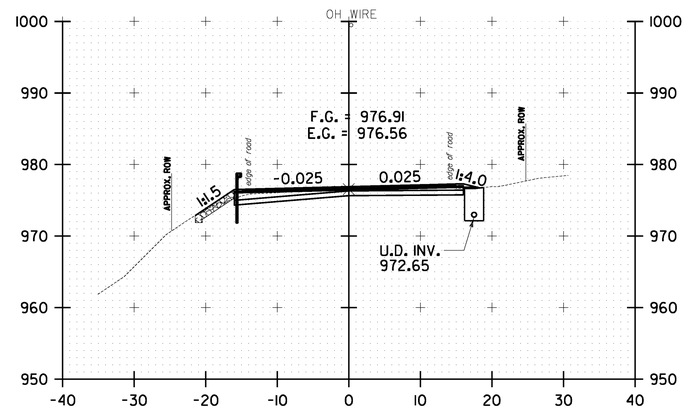
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs37.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 200 OF 310

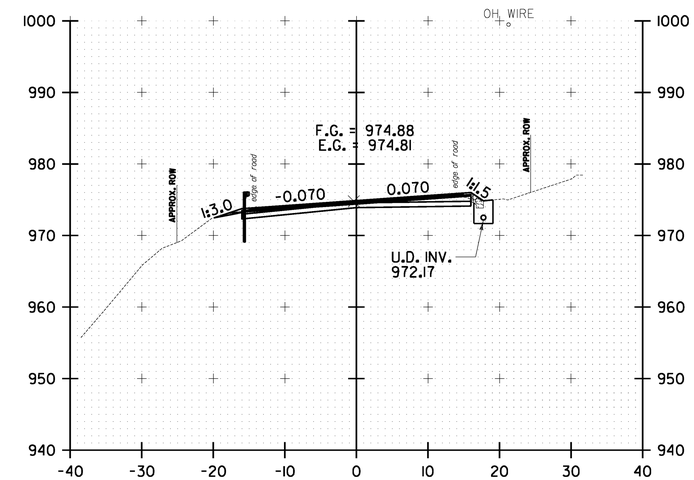
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



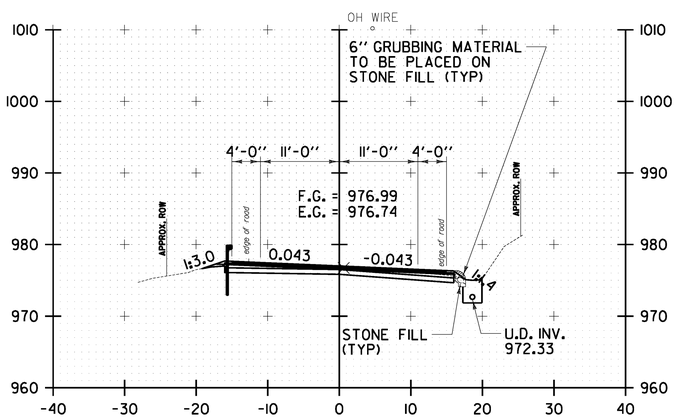
159+00.00



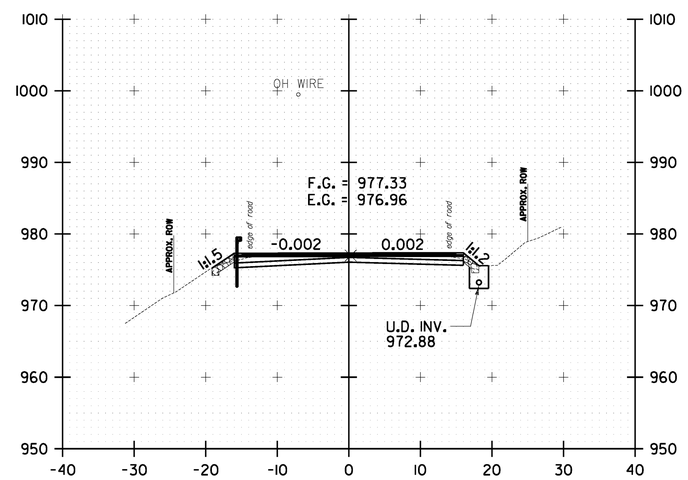
160+00.00



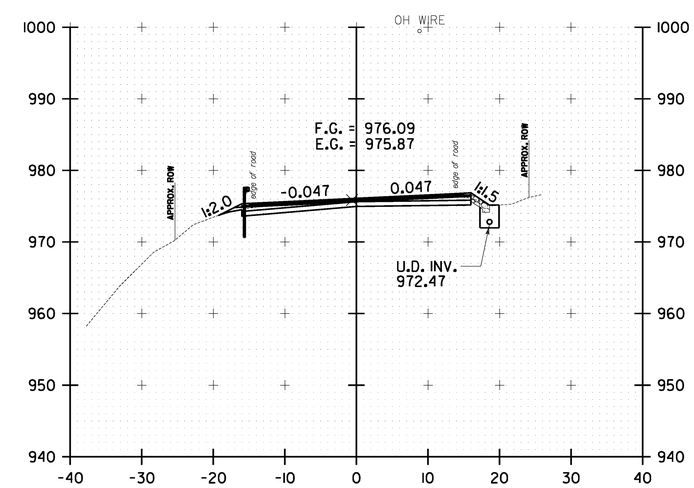
161+00.00



158+50.00



159+50.00



160+50.00

10 0 10
SCALE IN FEET

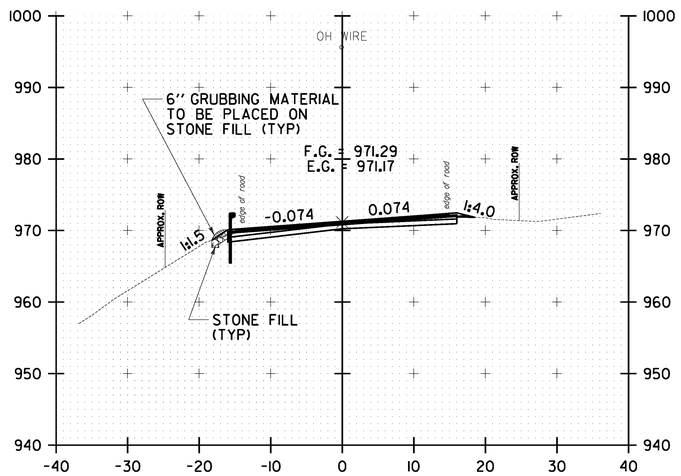
WARREN CROSS SECTION SHEET #38

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

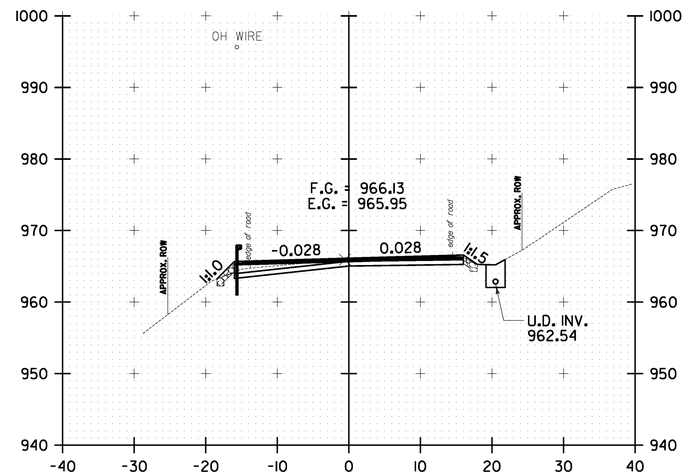
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs38.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 201 OF 310

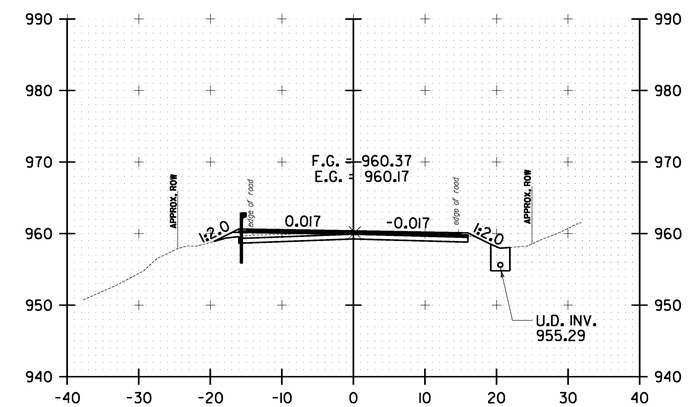
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



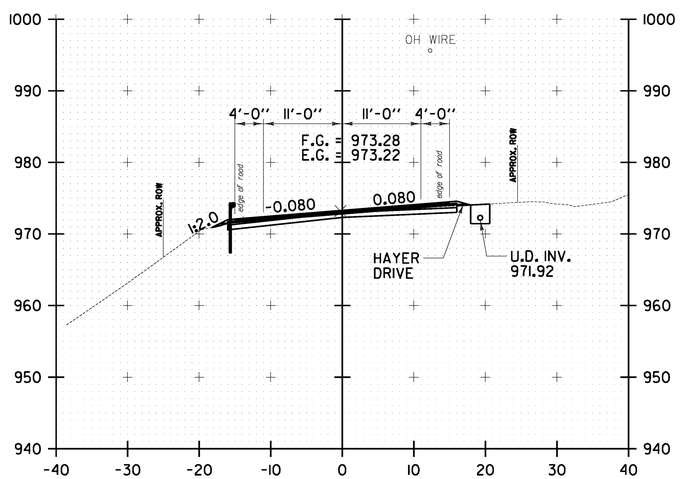
162+00.00



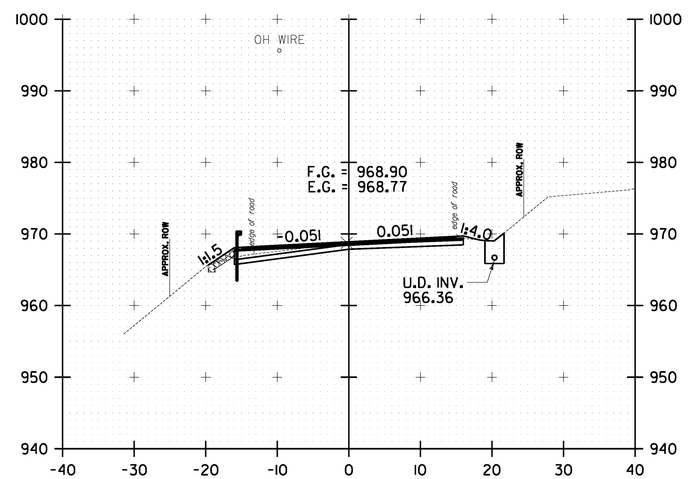
163+00.00



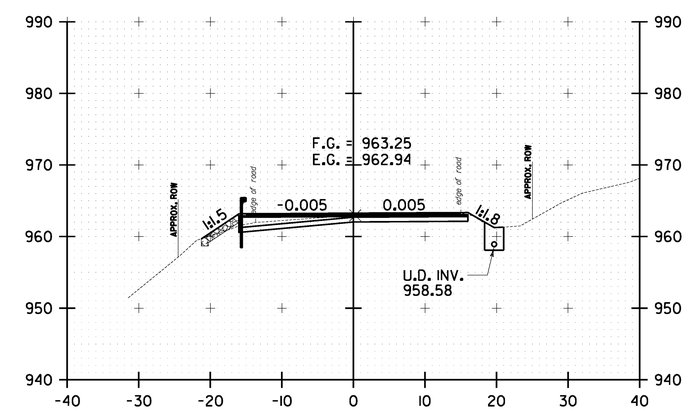
164+00.00



161+50.00



162+50.00



163+50.00

10 0 10
SCALE IN FEET

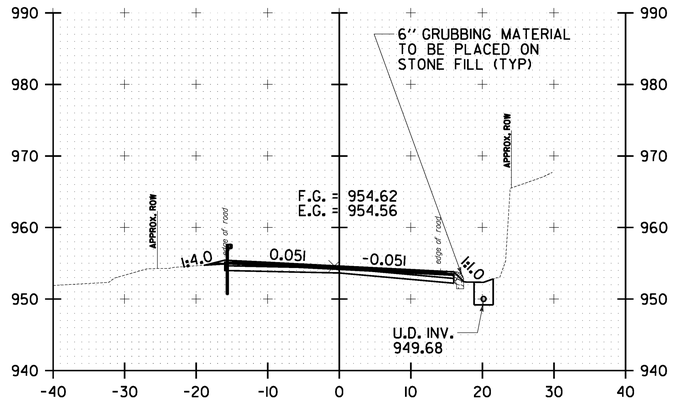
WARREN CROSS SECTION SHEET #39

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

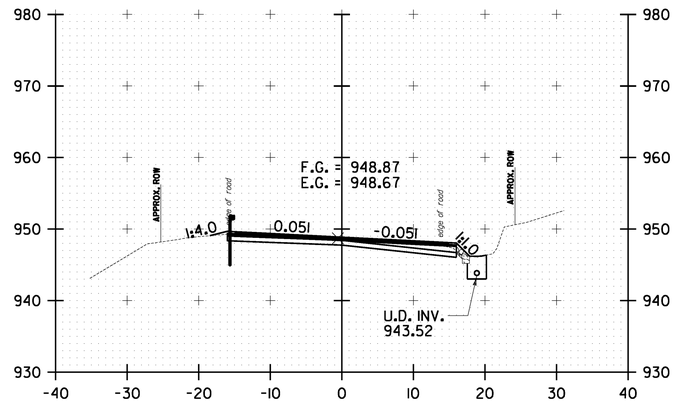
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs39.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 202 OF 310

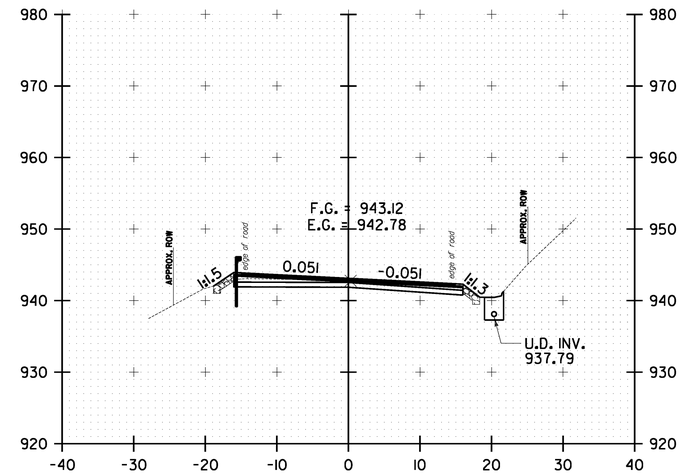
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



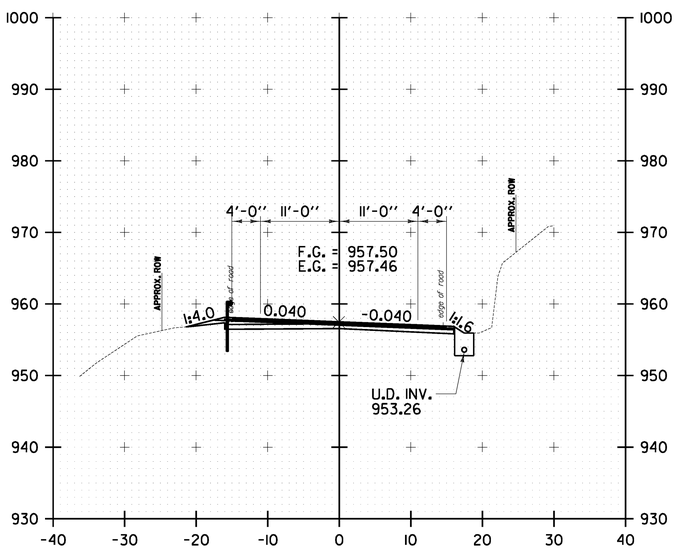
165+00.00



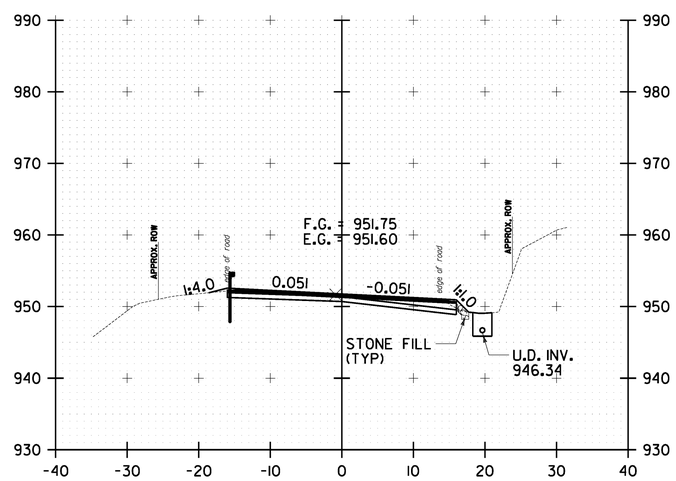
166+00.00



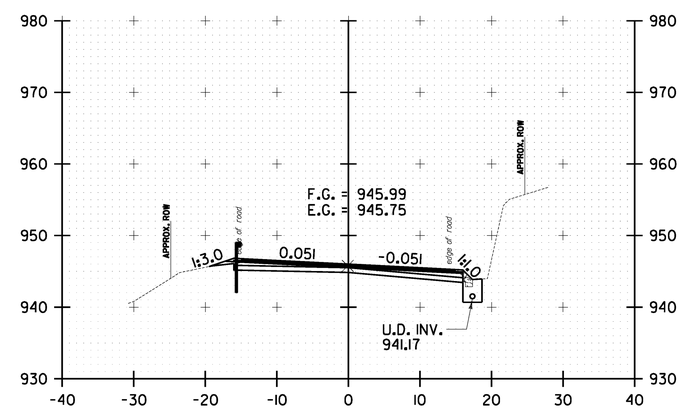
167+00.00



164+50.00



165+50.00



166+50.00

10 0 10
SCALE IN FEET

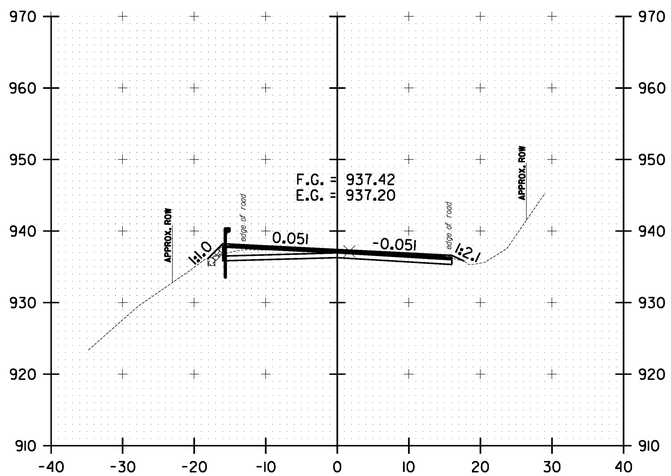
WARREN CROSS SECTION SHEET #40

PROJECT NAME: WARREN-WAITSFIELD

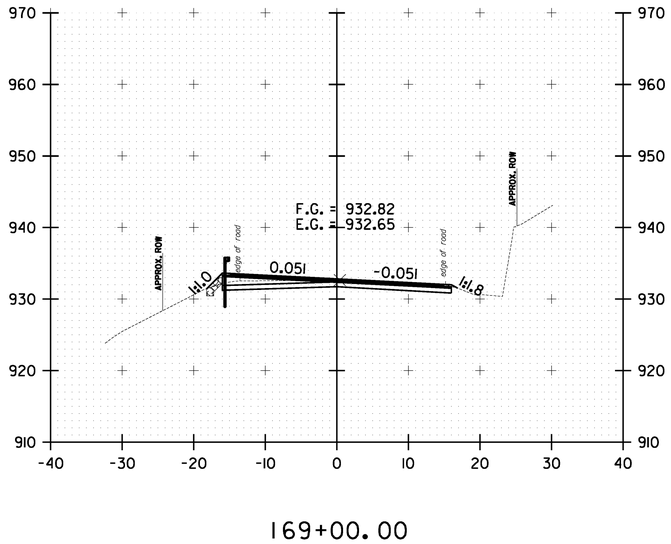
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs40.i	SHEET 203 OF 310

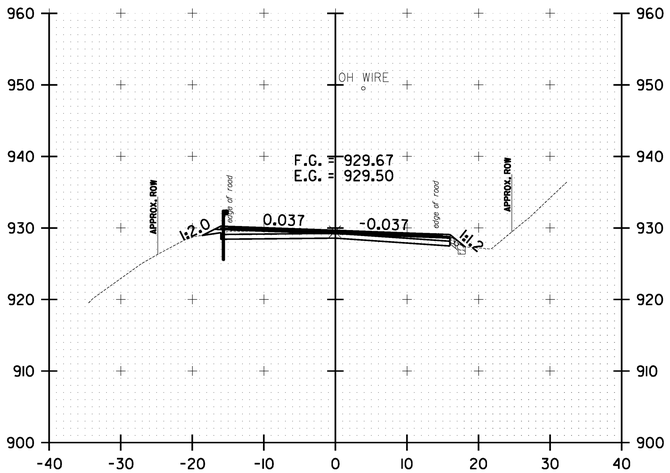
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



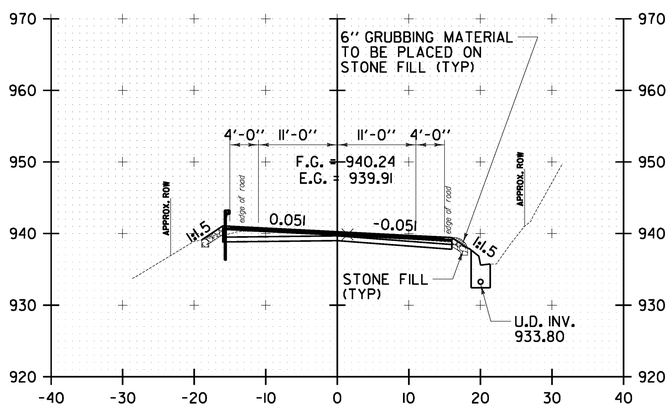
168+00.00



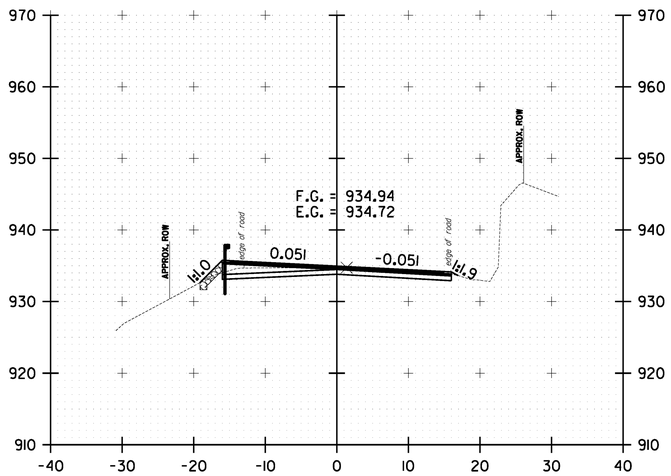
169+00.00



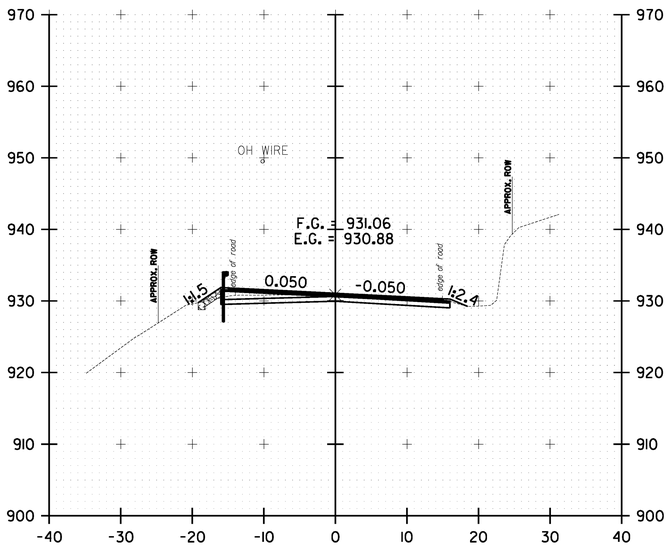
170+00.00



167+50.00



168+50.00



169+50.00

10 0 10
SCALE IN FEET

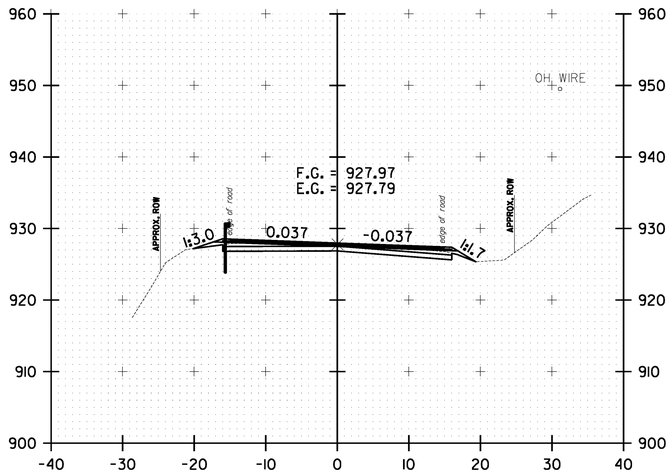
WARREN CROSS SECTION SHEET #41

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

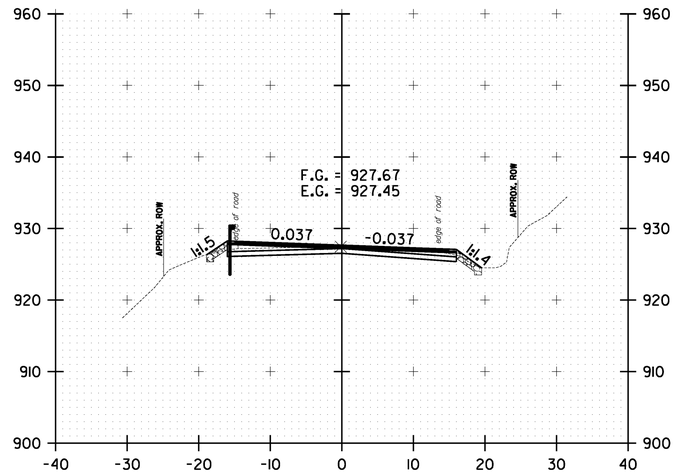
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs41.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 204 OF 310

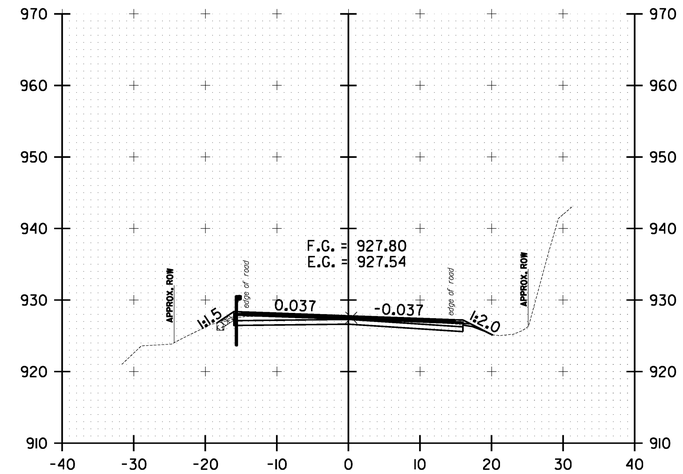
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



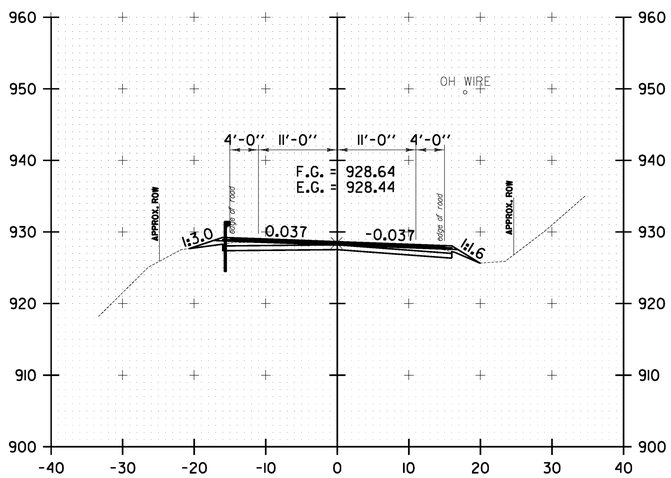
171+00.00



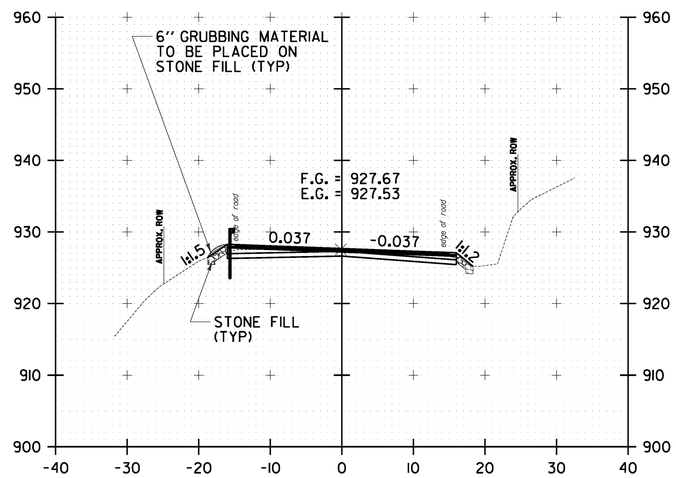
172+00.00



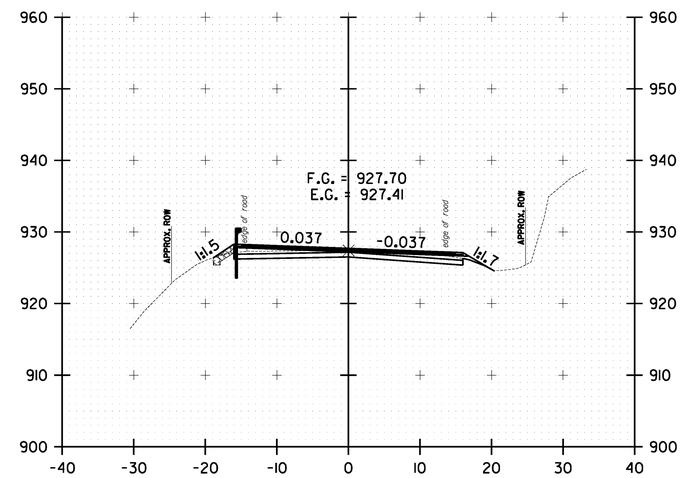
173+00.00



170+50.00



171+50.00



172+50.00

10 0 10
SCALE IN FEET

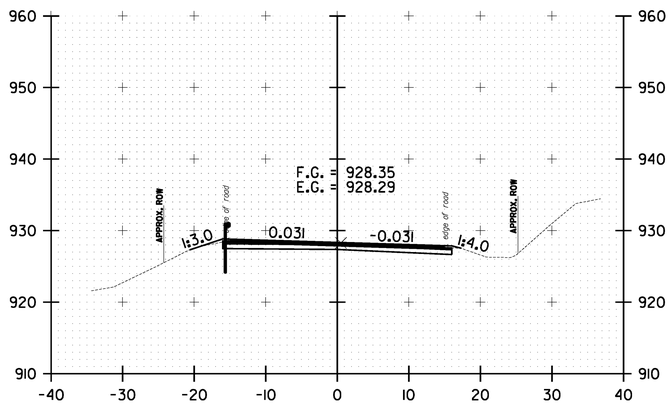
WARREN
CROSS SECTION
SHEET #42

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

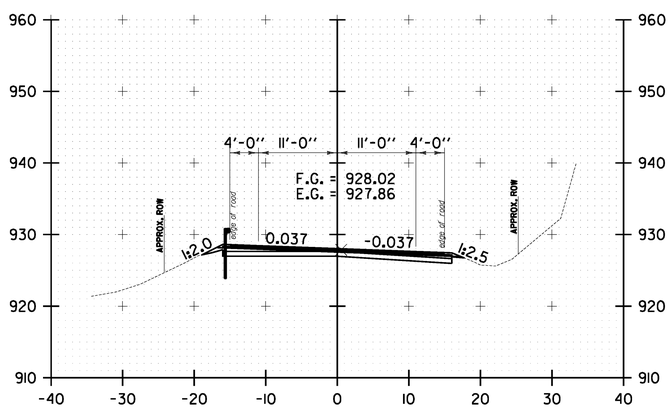
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs42.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 205 OF 310

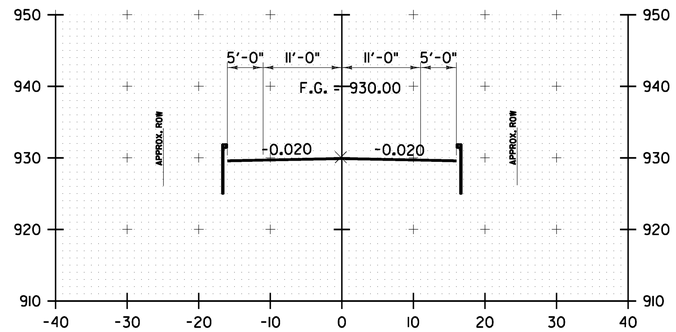
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



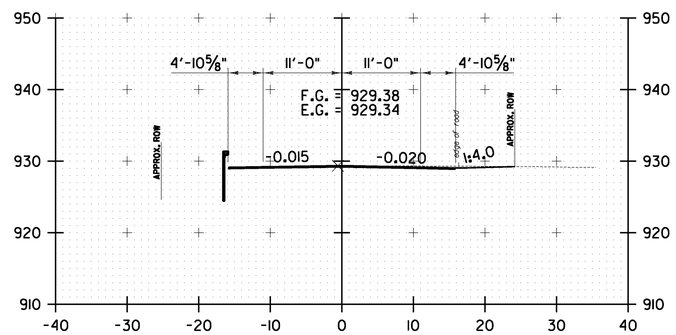
174+00.00



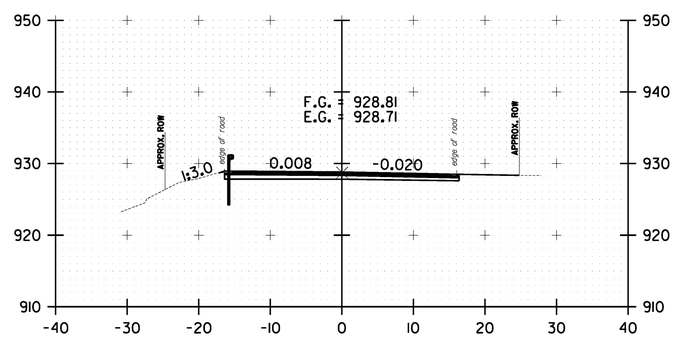
173+50.00



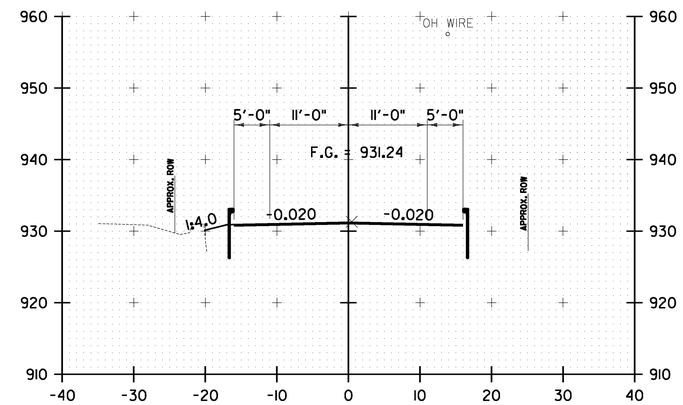
175+50.00



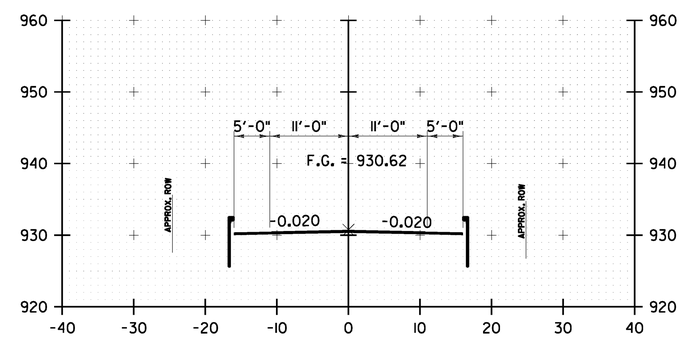
175+00.00



174+50.00



176+50.00



176+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #43

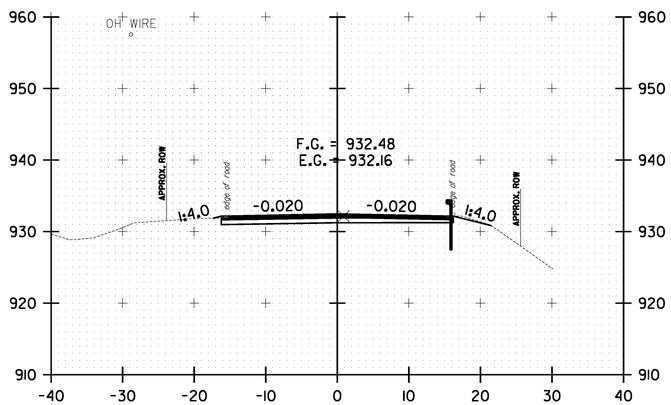
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

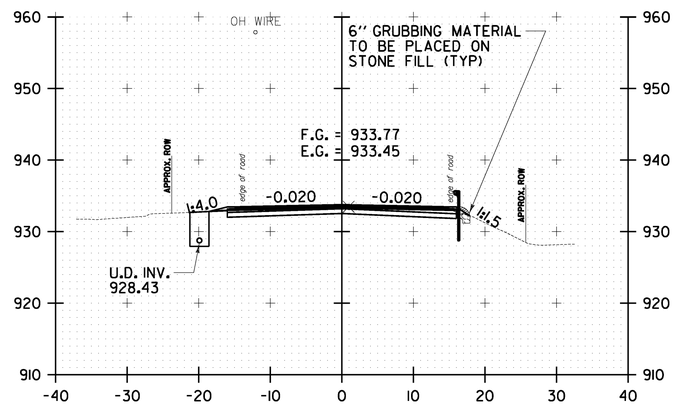
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs43.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 206 OF 310

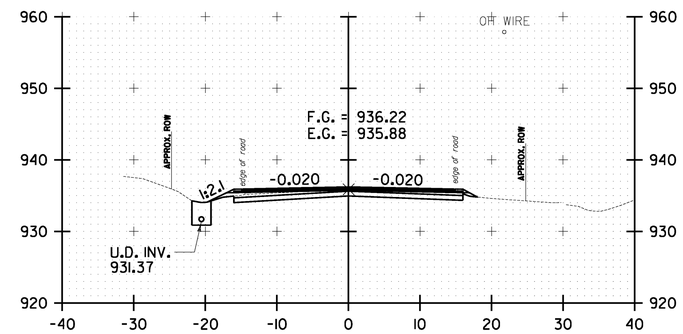
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



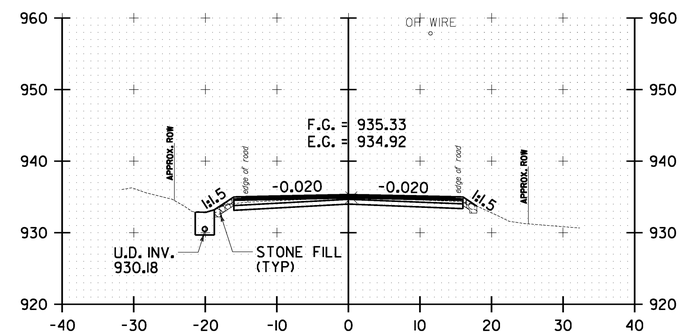
177+50.00



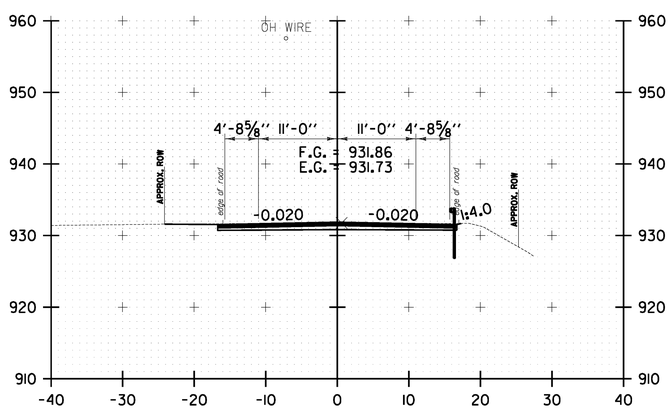
178+50.00



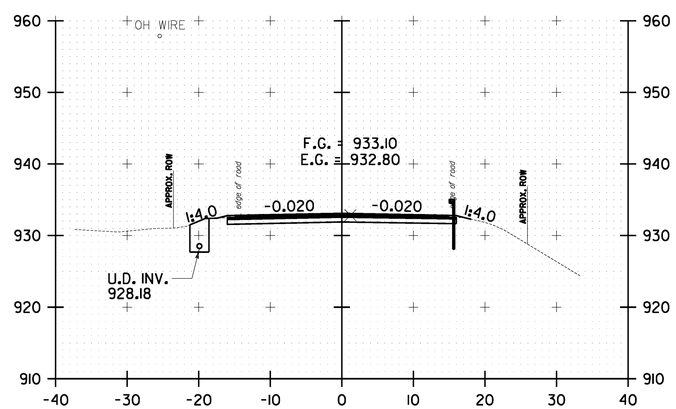
180+00.00



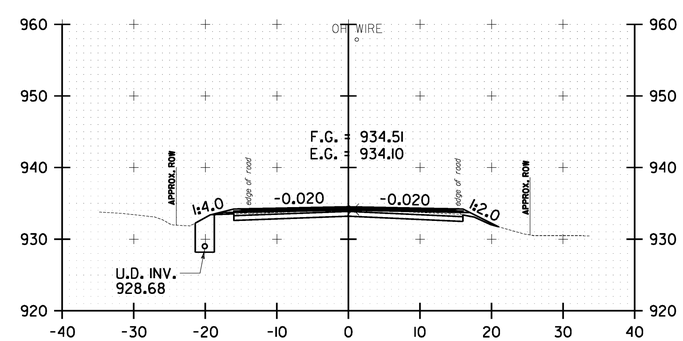
179+50.00



177+00.00



178+00.00



179+00.00

10 0 10
SCALE IN FEET

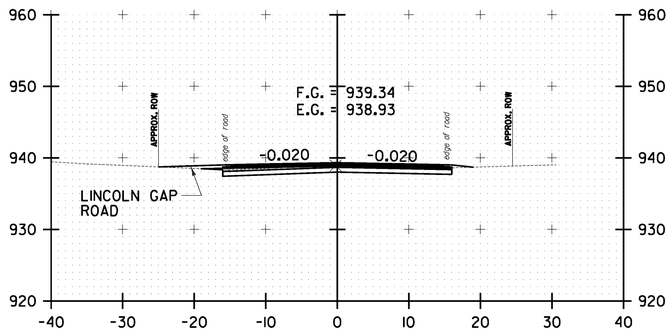
WARREN CROSS SECTION SHEET #44

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

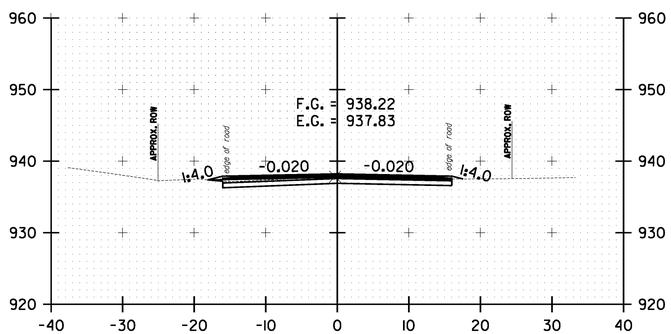
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs44.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 207 OF 310

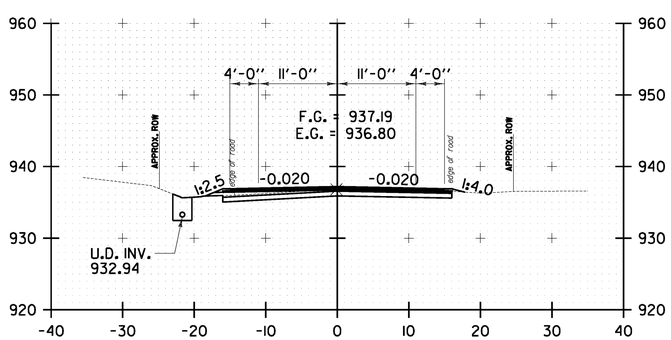
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



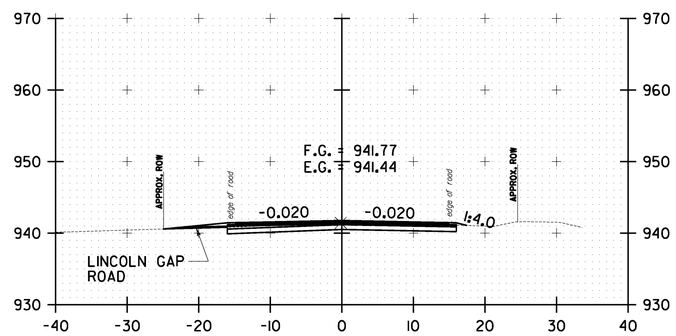
181+50.00



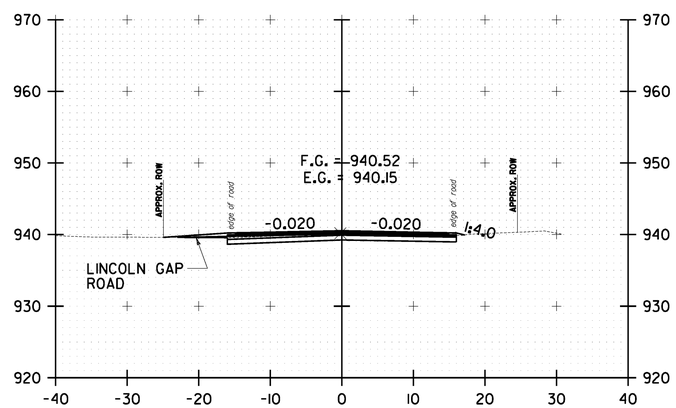
181+00.00



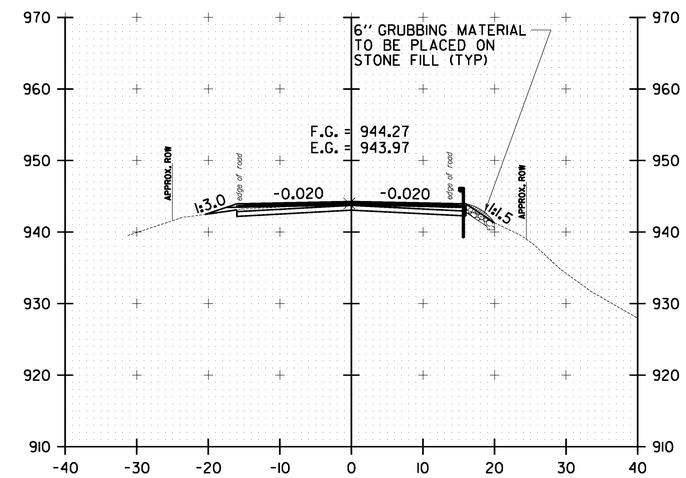
180+50.00



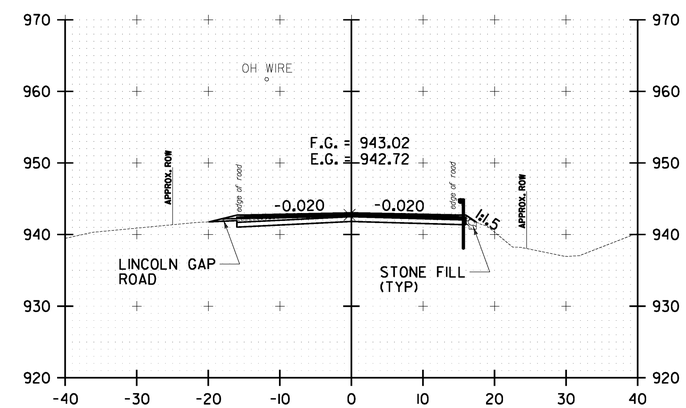
182+50.00



182+00.00



183+50.00



183+00.00

10 0 10
SCALE IN FEET

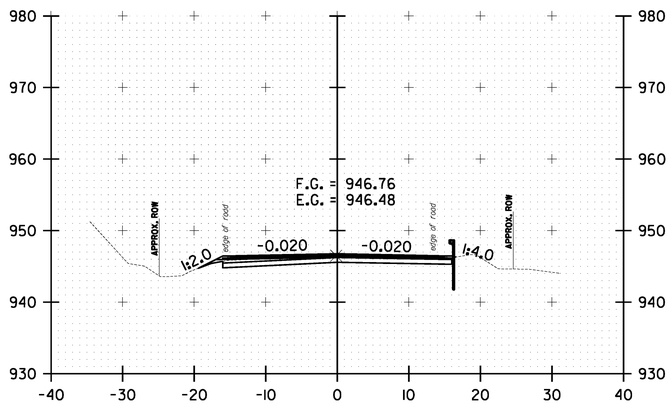
WARREN CROSS SECTION SHEET #45

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

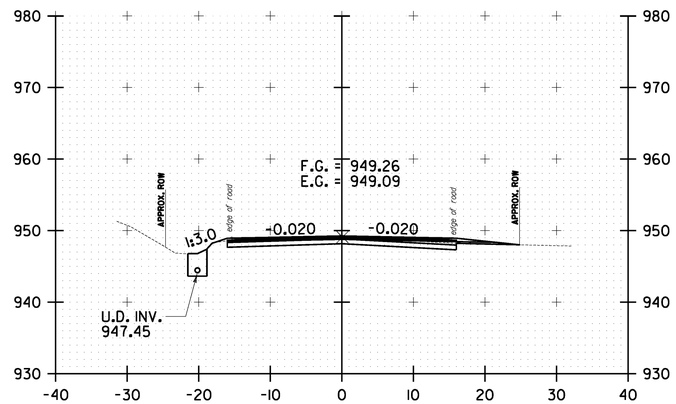
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs45.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 208 OF 310

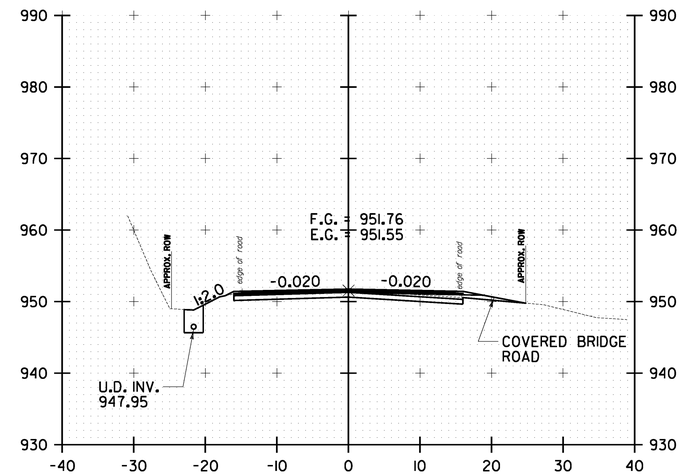
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



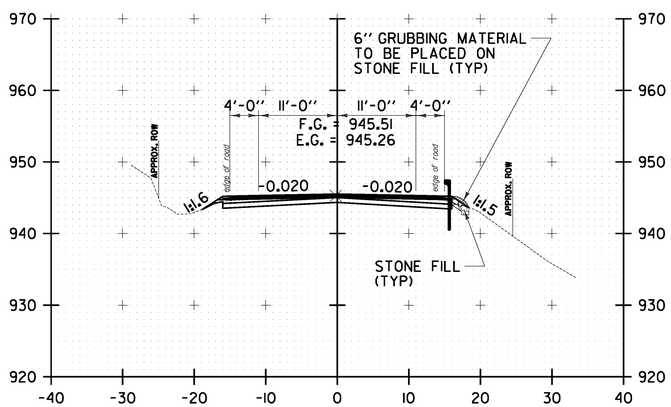
184+50.00



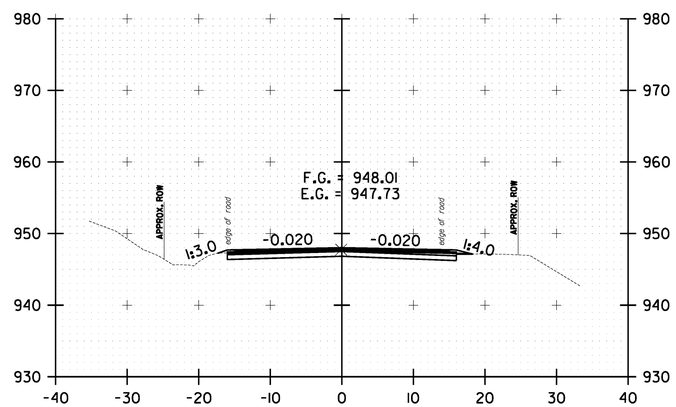
185+50.00



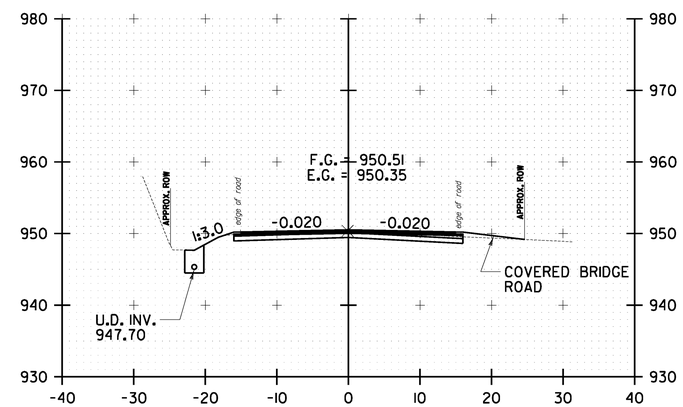
186+50.00



184+00.00



185+00.00



186+00.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #46

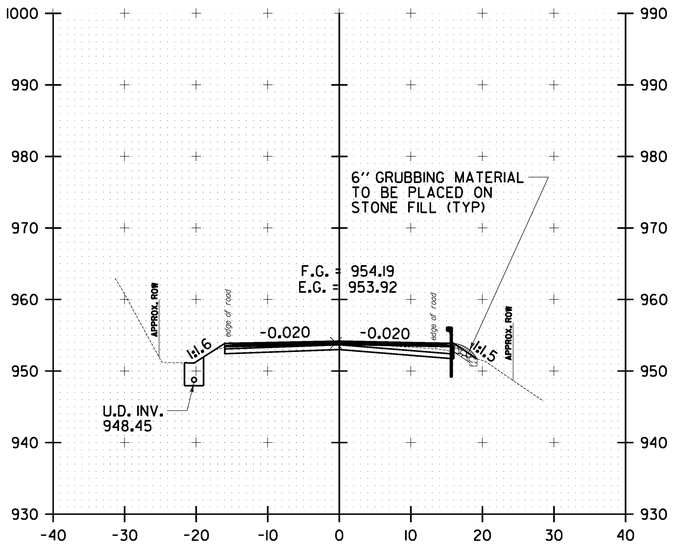
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

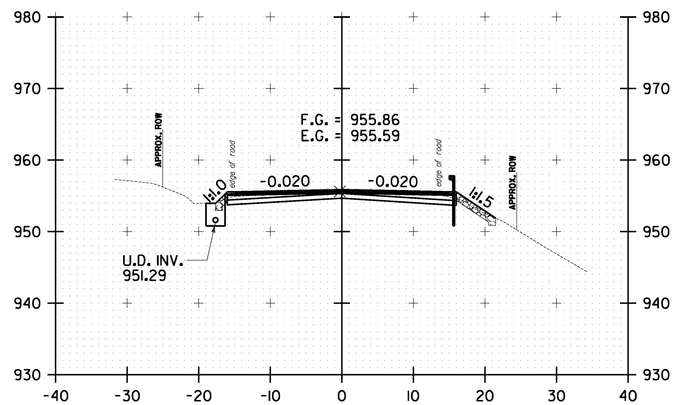
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs46.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 209 OF 310

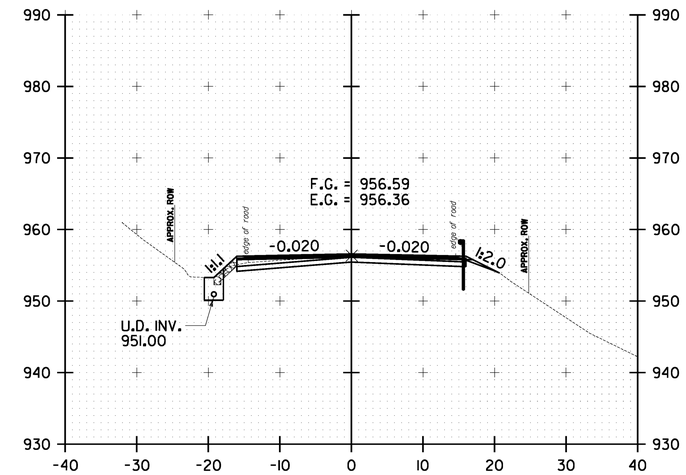
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



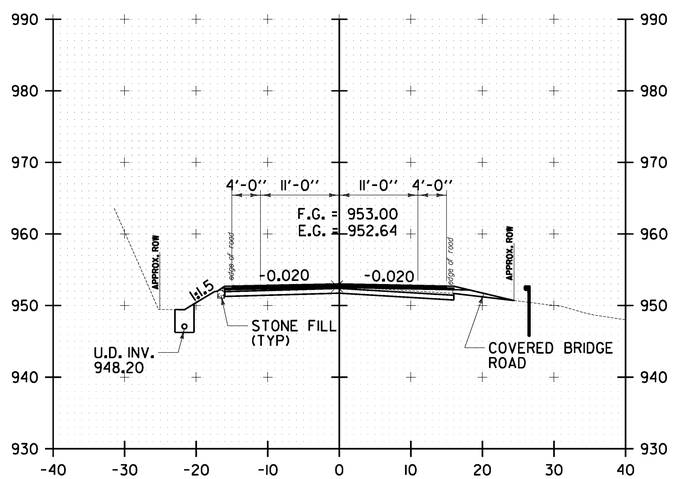
187+50.00



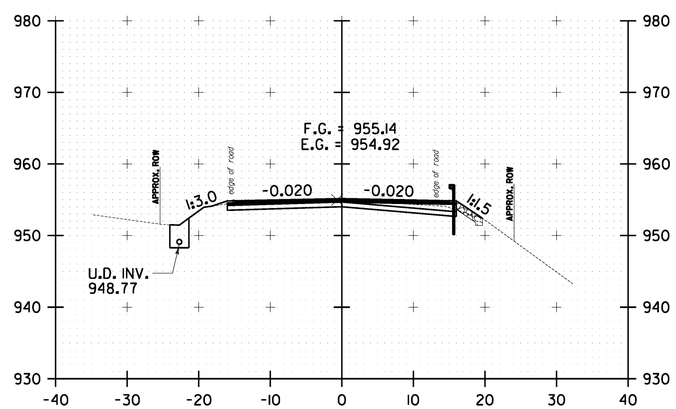
188+50.00



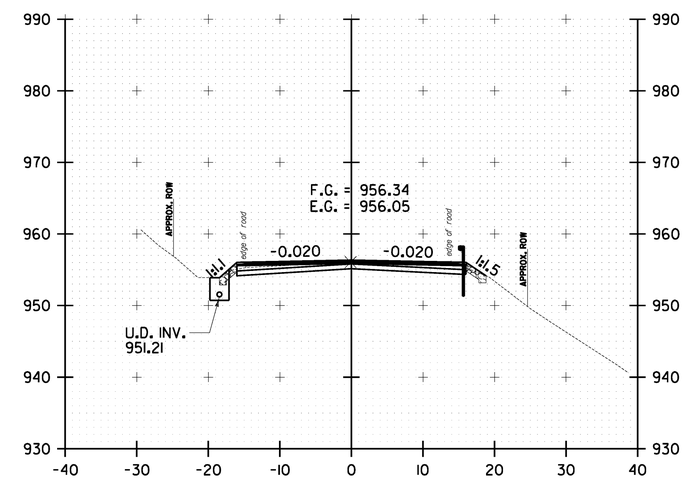
189+50.00



187+00.00



188+00.00



189+00.00

10 0 10
SCALE IN FEET

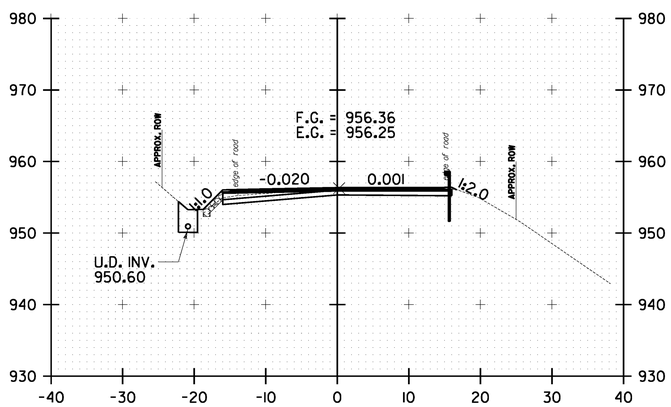
WARREN CROSS SECTION SHEET #47

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

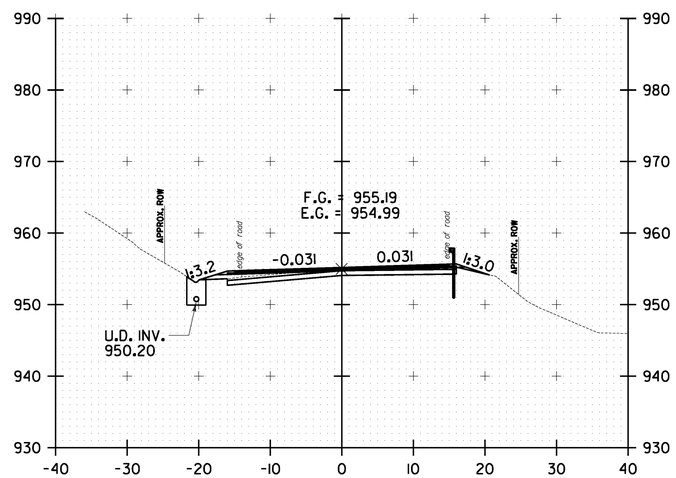
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs47.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 210 OF 310

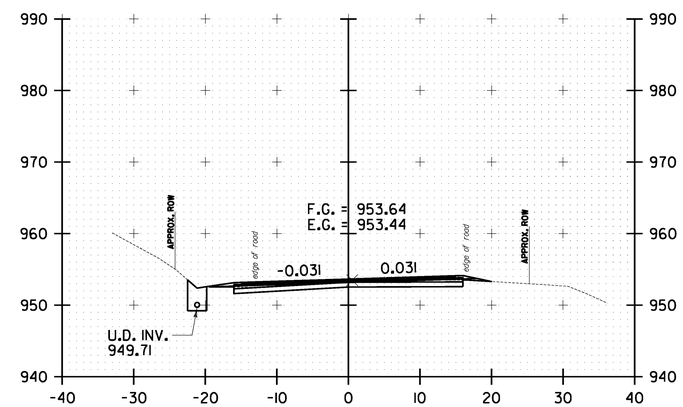
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



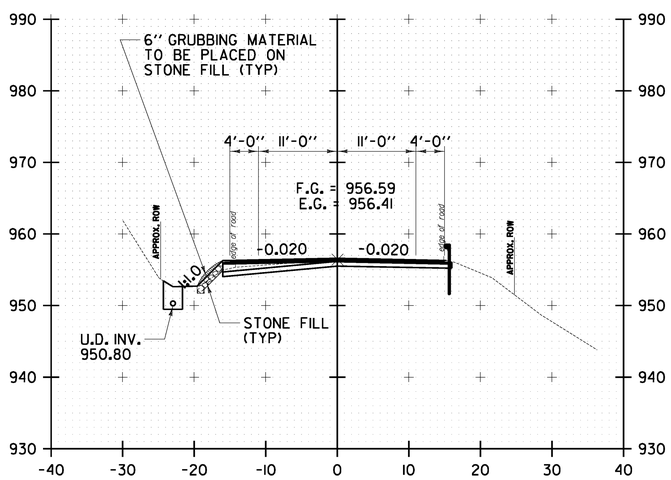
190+50.00



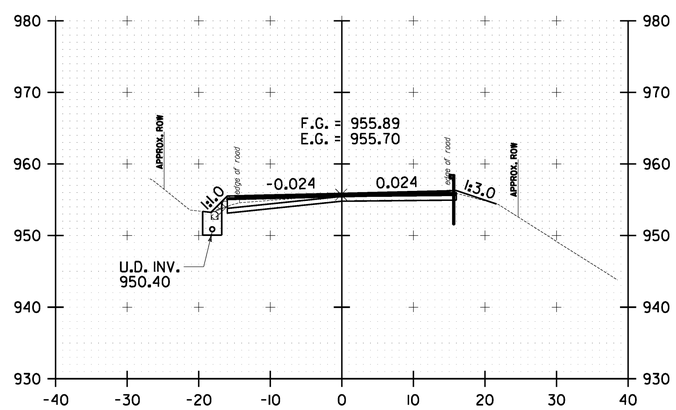
191+50.00



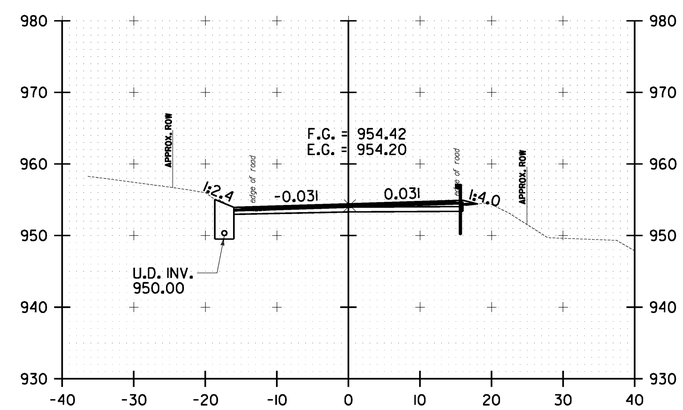
192+50.00



190+00.00



191+00.00



192+00.00

10 0 10
SCALE IN FEET

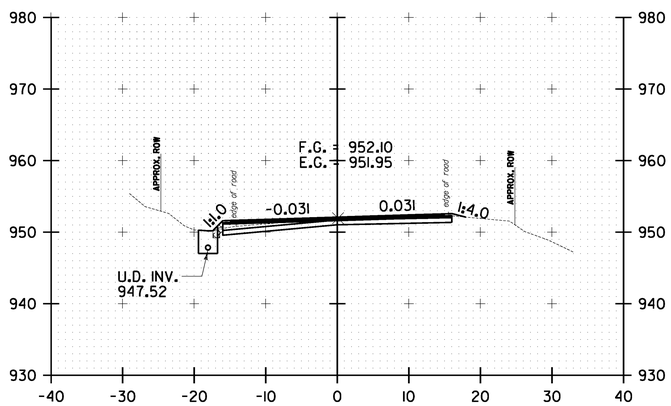
WARREN
CROSS SECTION
SHEET #48

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

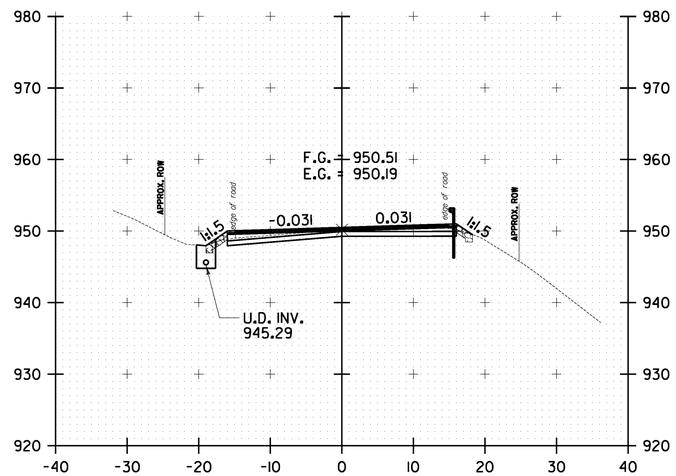
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs48.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 211 OF 310

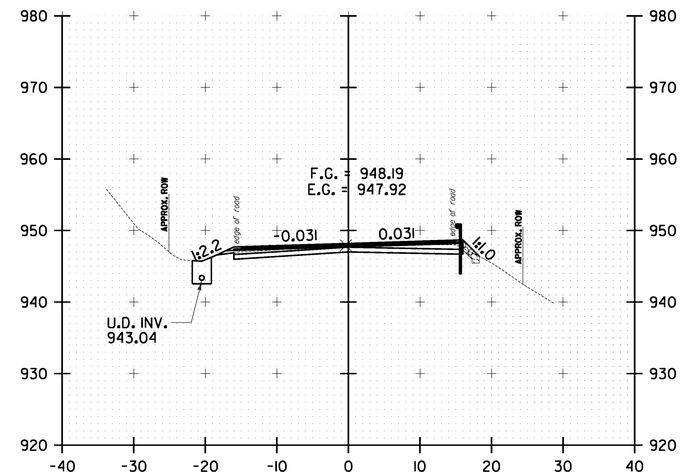
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



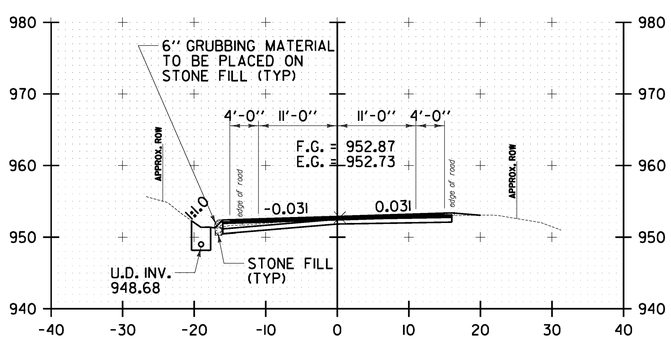
193+50.00



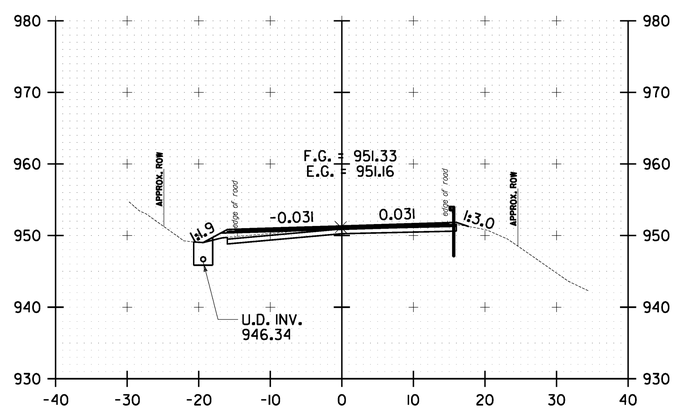
194+50.00



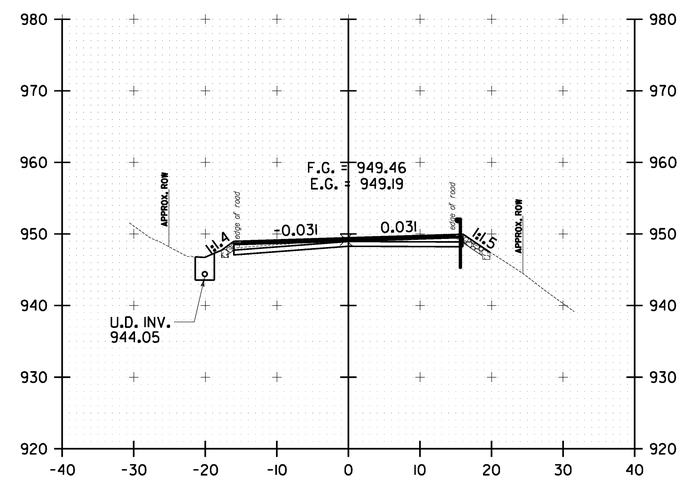
195+50.00



193+00.00



194+00.00



195+00.00

SCALE IN FEET

WARREN CROSS SECTION SHEET #49

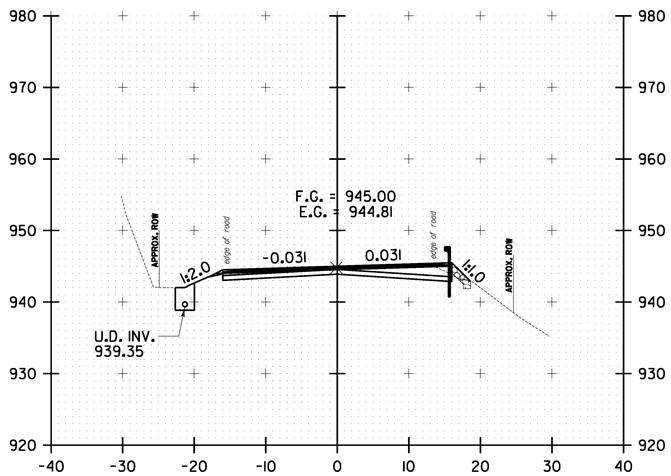
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

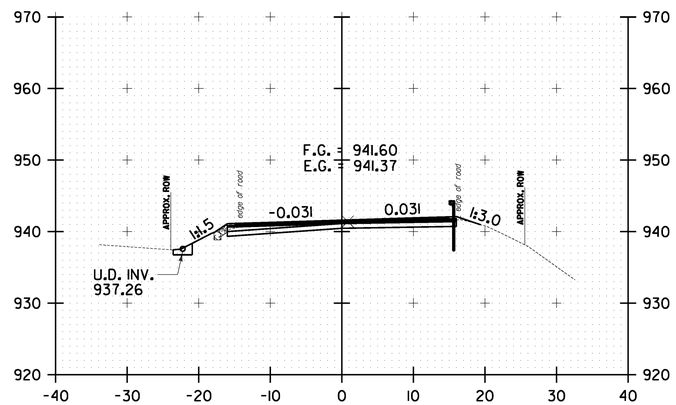
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs49.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 212 OF 310

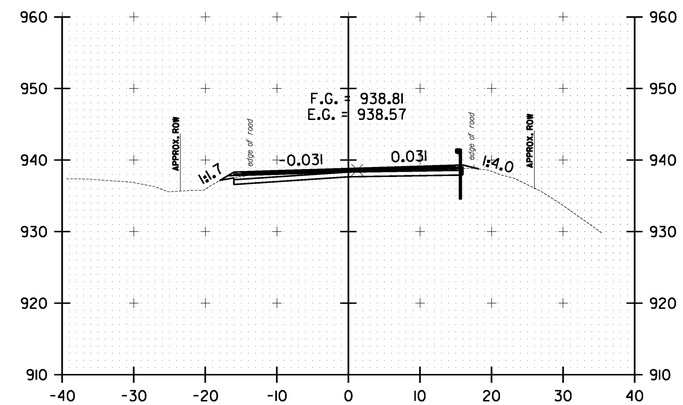
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



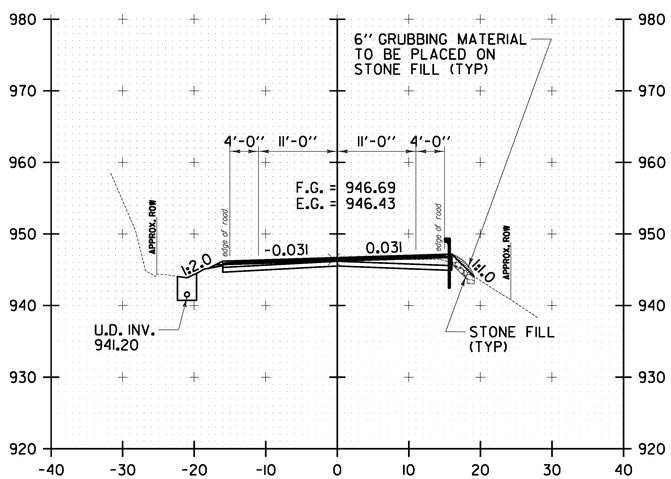
196+50.00



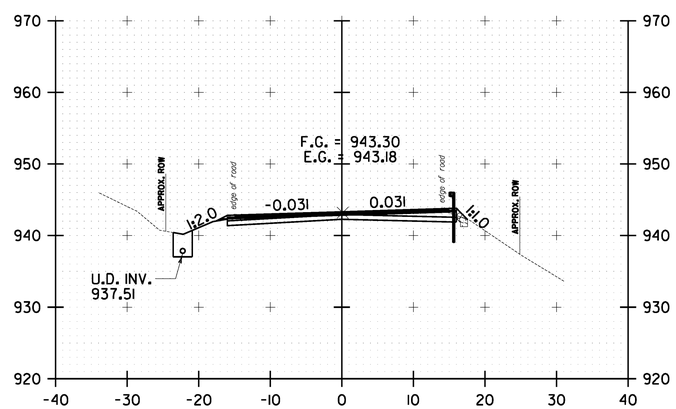
197+50.00



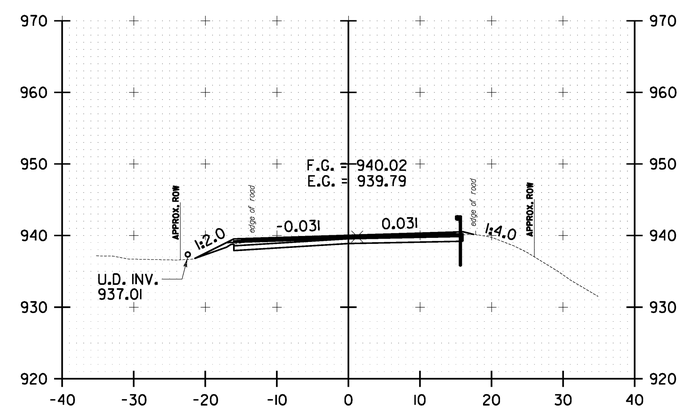
198+50.00



196+00.00



197+00.00



198+00.00

10 0 10
SCALE IN FEET

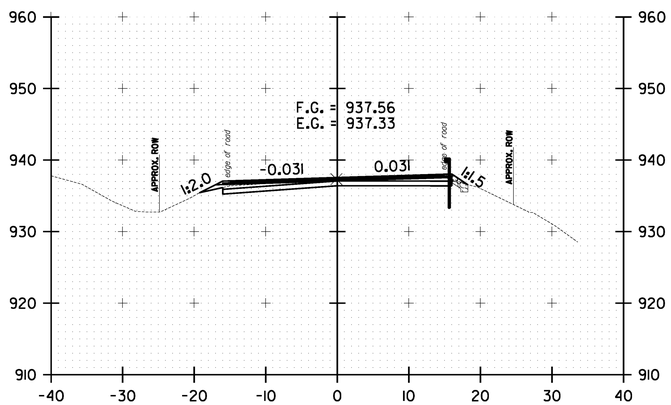
WARREN
CROSS SECTION
SHEET #50

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

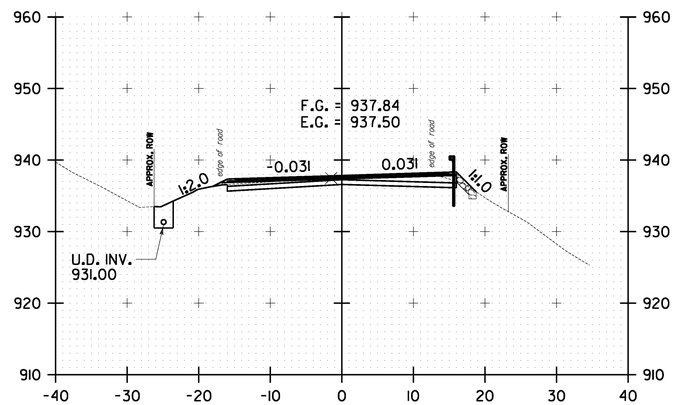
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs50.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 213 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



199+50.00



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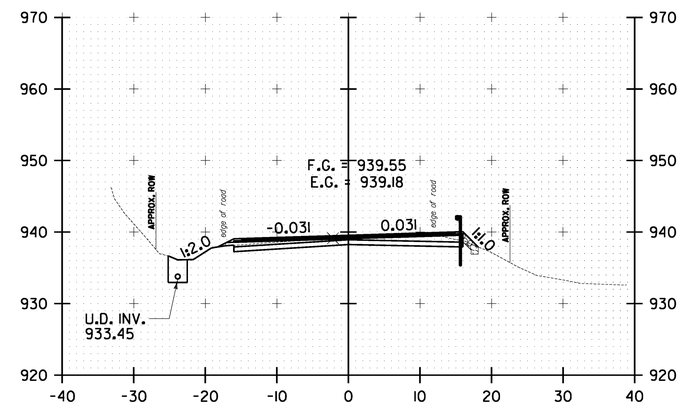

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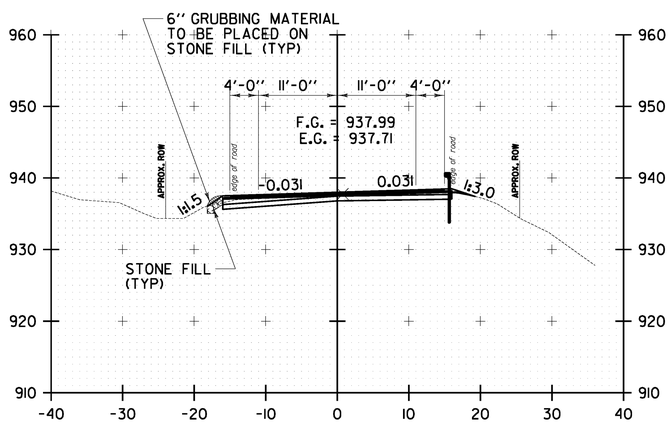
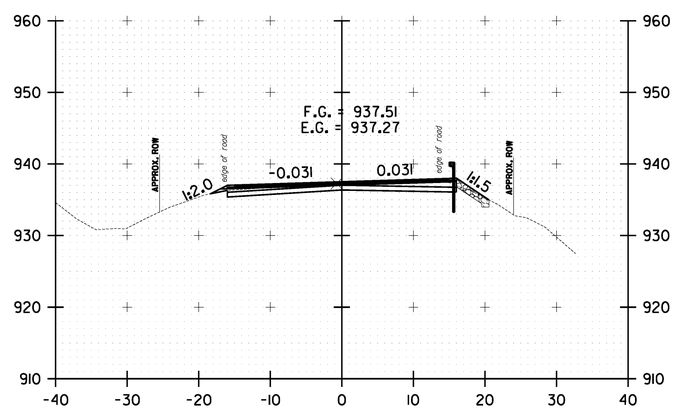
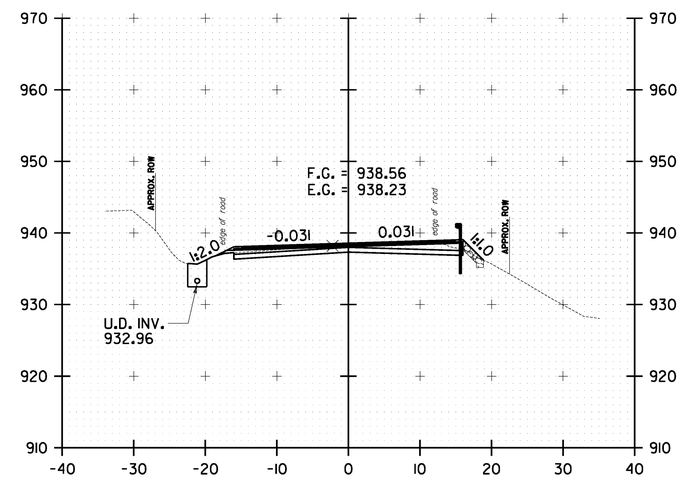


199+00.00



200+00.00



201+00.00

10 0 10
SCALE IN FEET

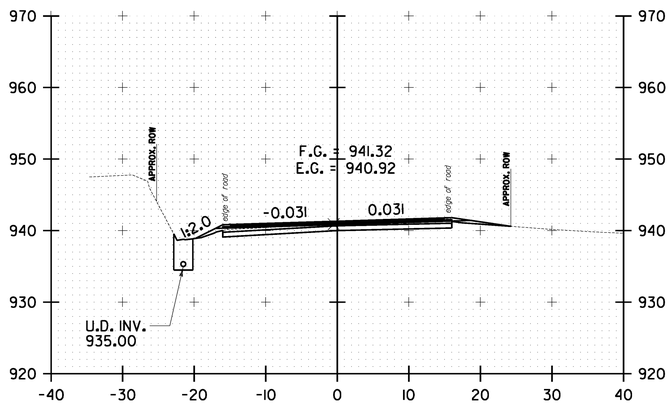
WARREN
CROSS SECTION
SHEET #51

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

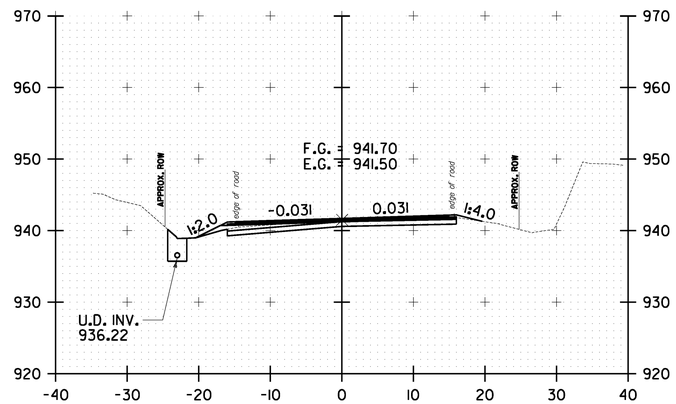
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs51.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 214 OF 310

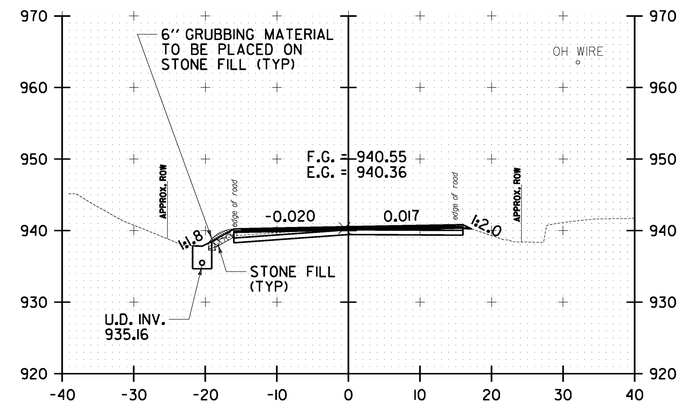
FILE NAME = U:\17762\CADD\HSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



202+50.00



203+50.00



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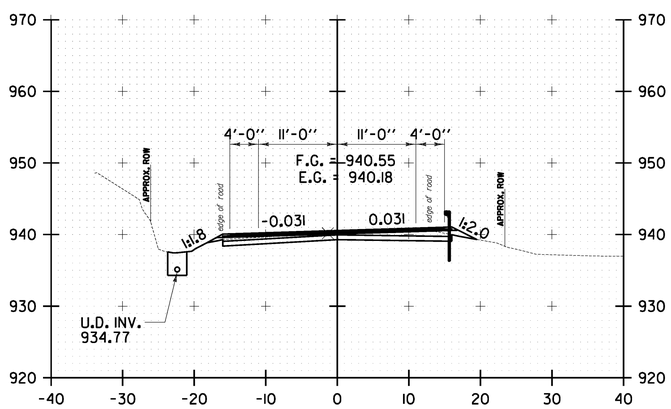
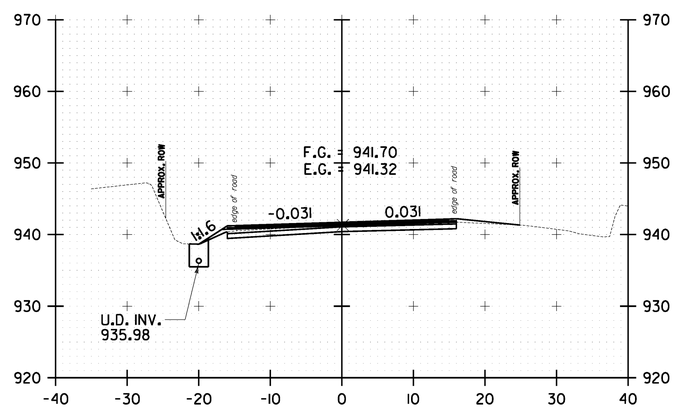
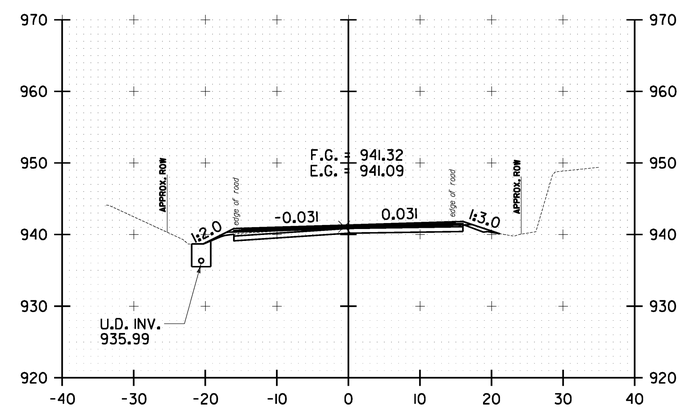


202+00.00



203+00.00



204+00.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #52

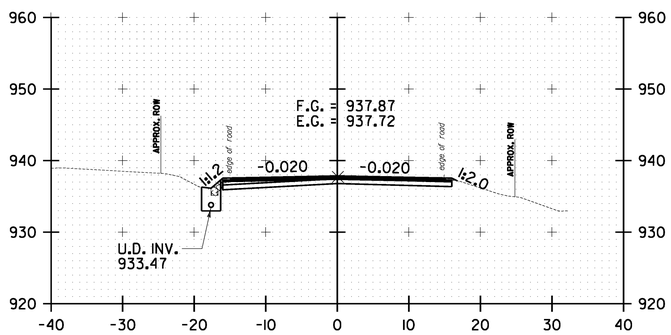
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

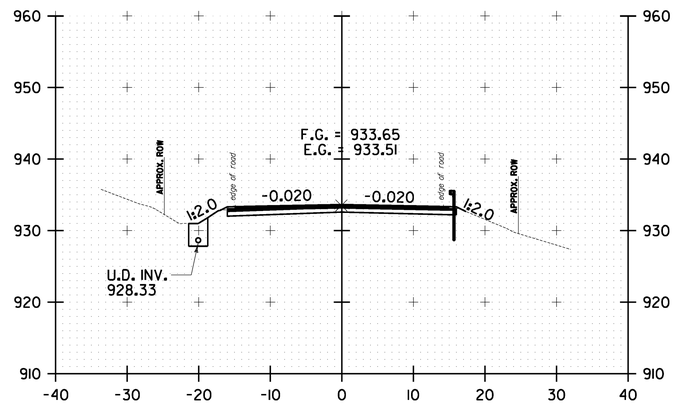
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs52.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 215 OF 310

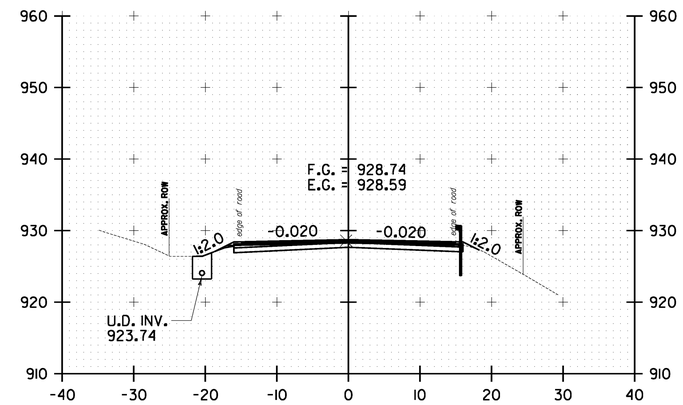
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



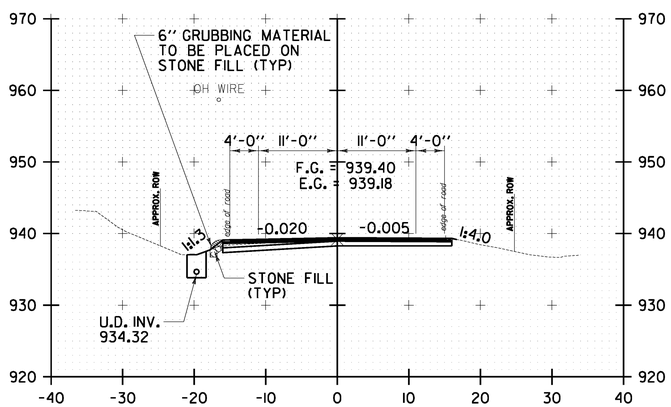
205+50.00



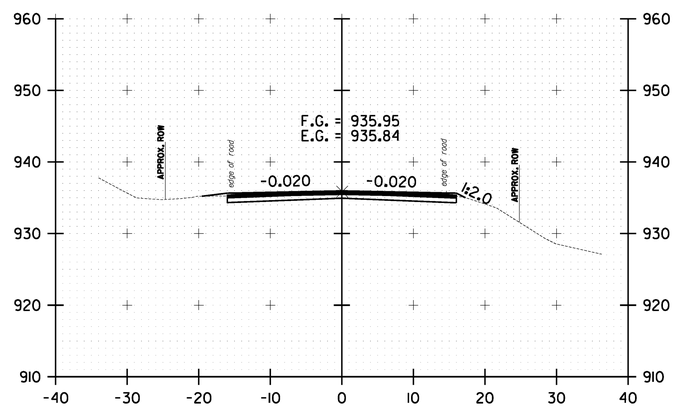
206+50.00



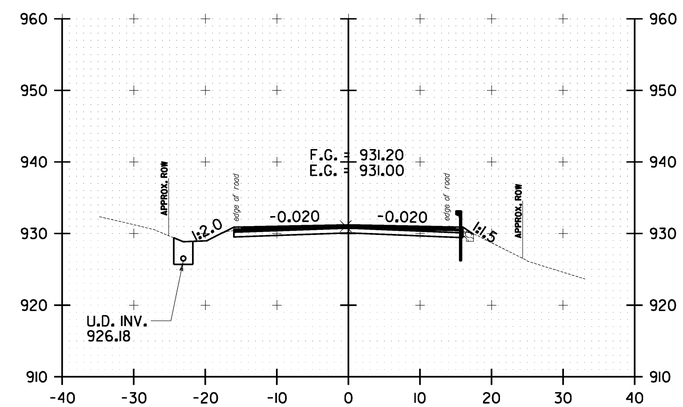
207+50.00



205+00.00



206+00.00



207+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #53

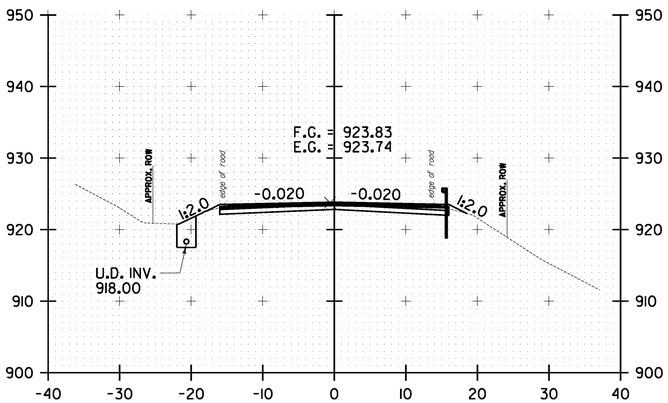
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

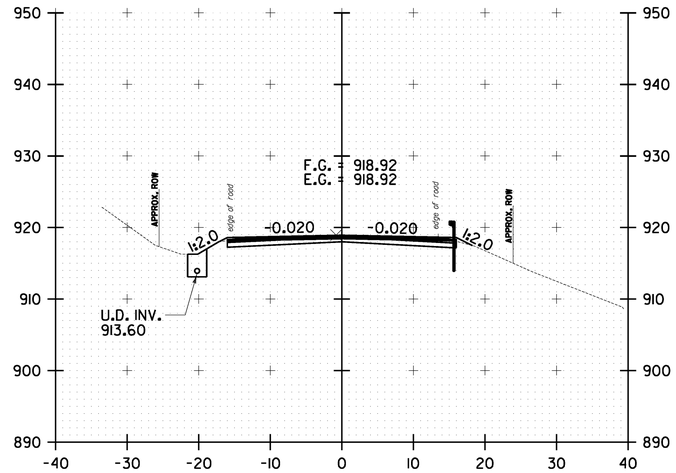
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs53.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 216 OF 310

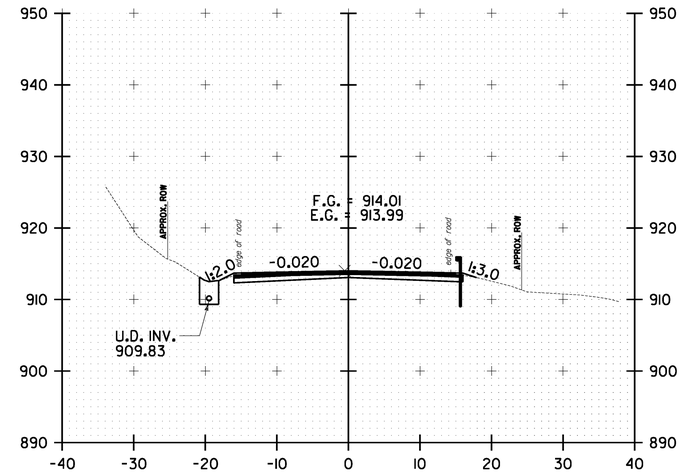
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



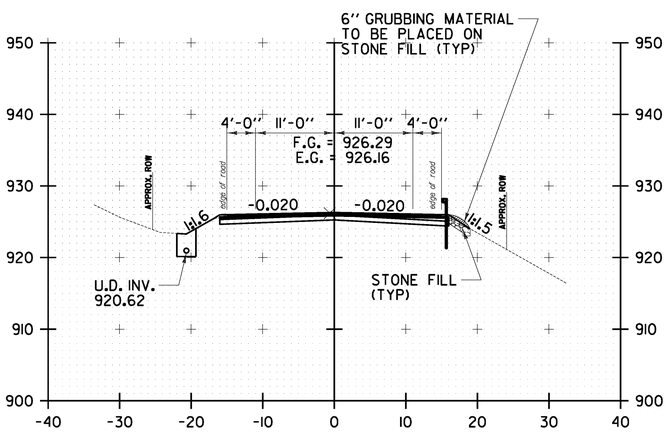
208+50.00



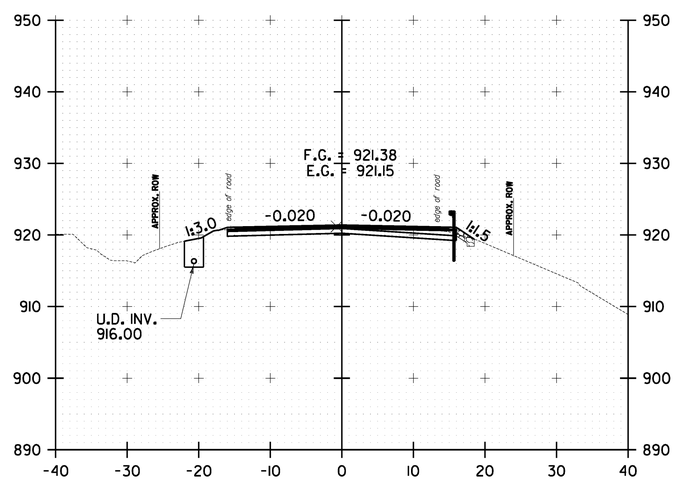
209+50.00



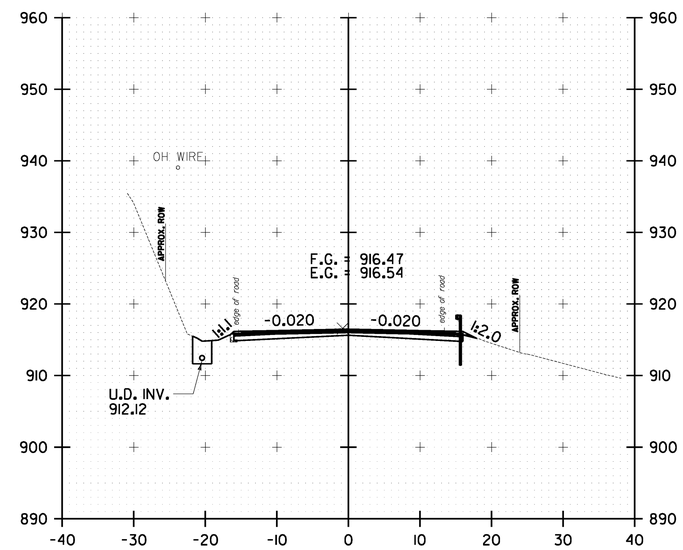
210+50.00



208+00.00



209+00.00



210+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #54

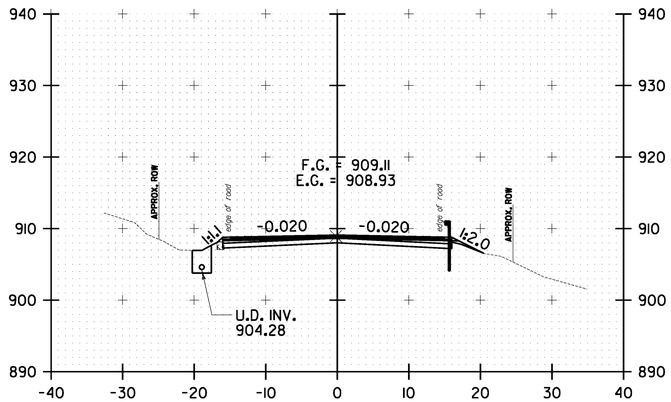
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

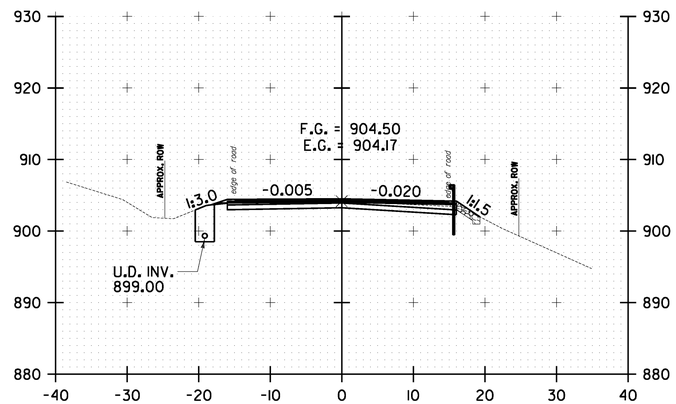
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs54.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 217 OF 310

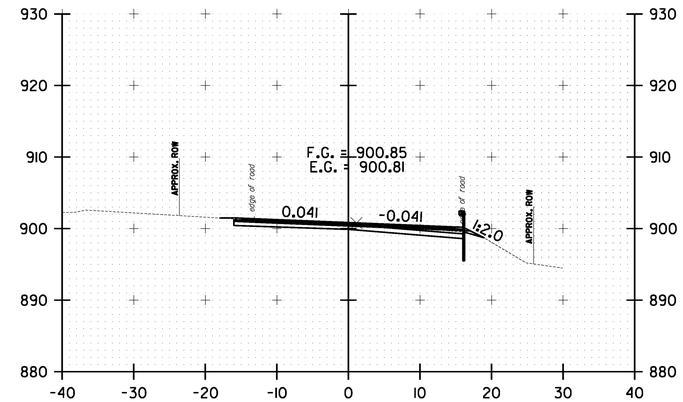
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



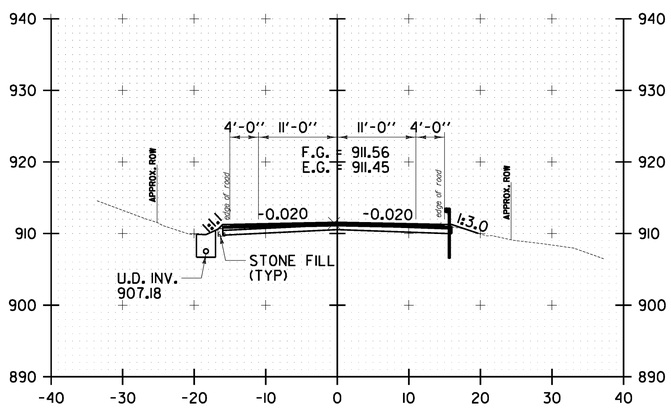
211+50.00



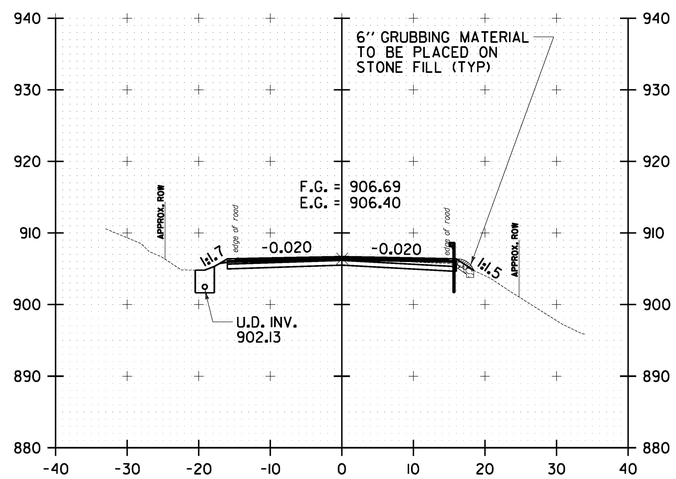
212+50.00



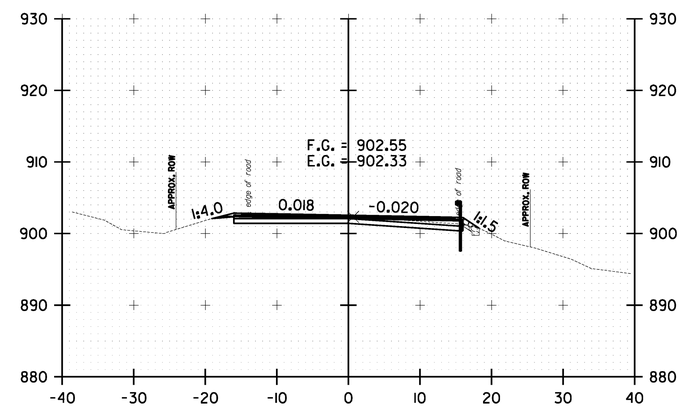
213+50.00



211+00.00



212+00.00



213+00.00

10 0 10
SCALE IN FEET

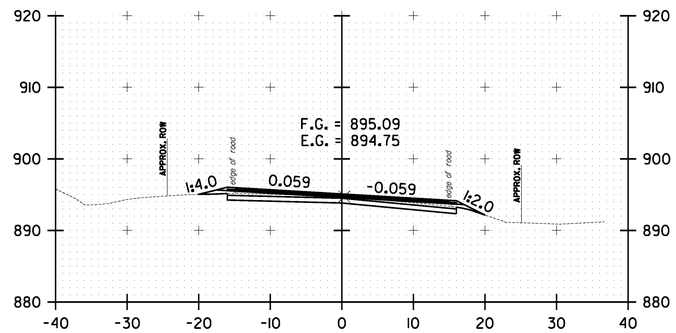
WARREN
CROSS SECTION
SHEET #55

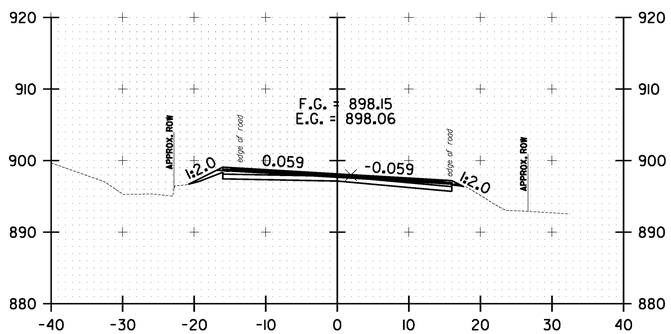
PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs55.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 218 OF 310

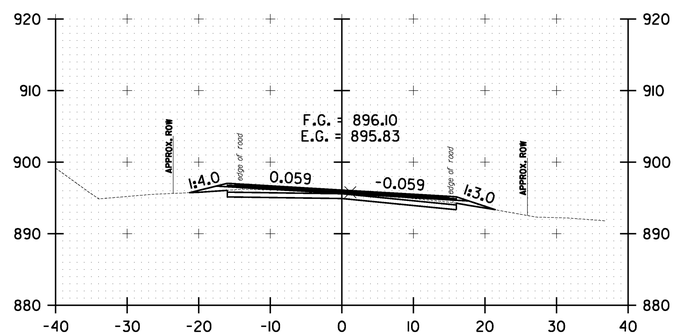
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



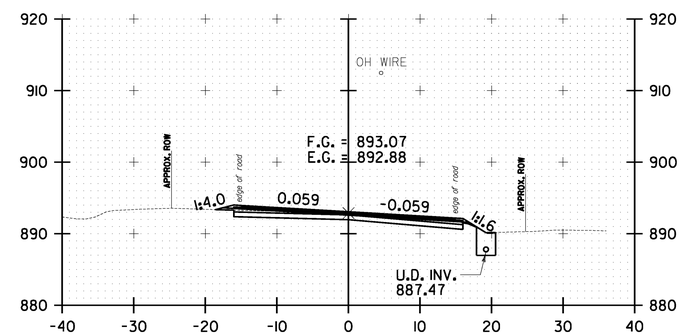


214+50.00

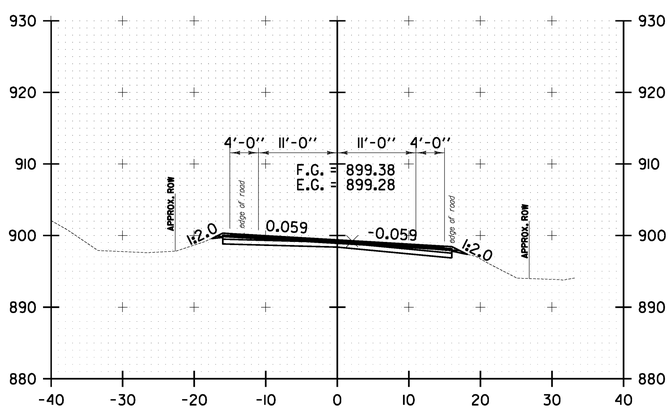
216+00.00



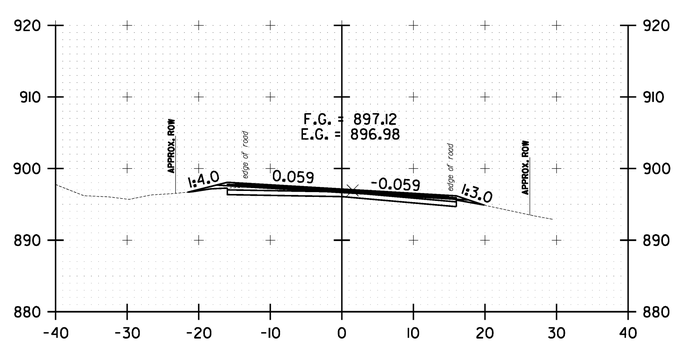
215+50.00



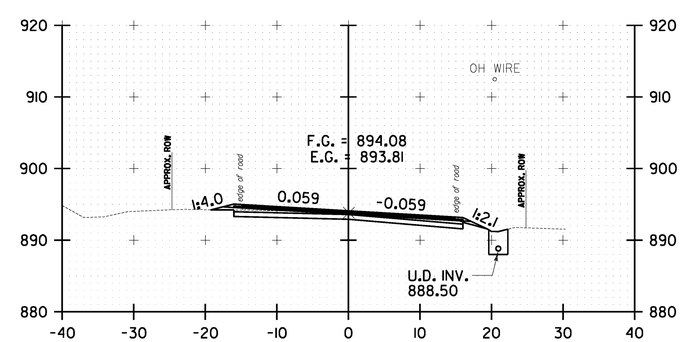
217+00.00



214+00.00



215+00.00



216+50.00

10 0 10
SCALE IN FEET

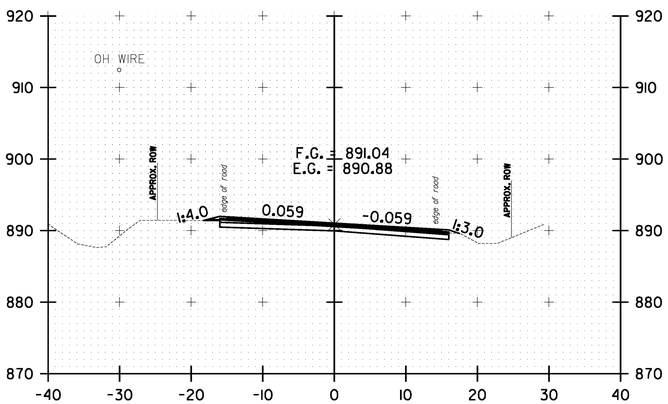
WARREN CROSS SECTION SHEET #56

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

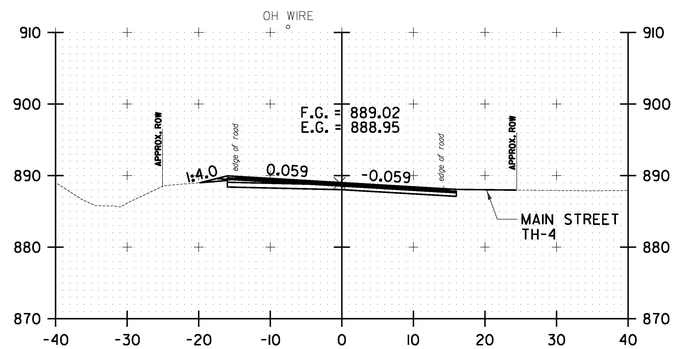
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs56.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 219 OF 310

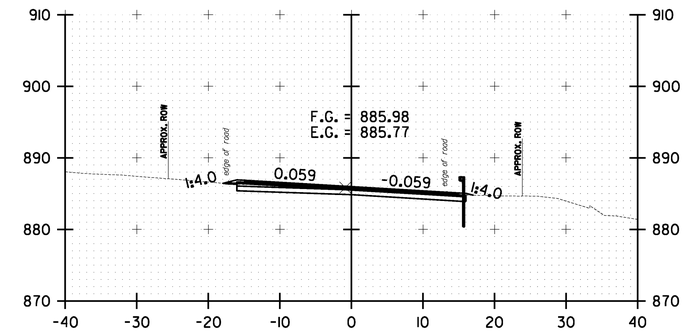
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4885



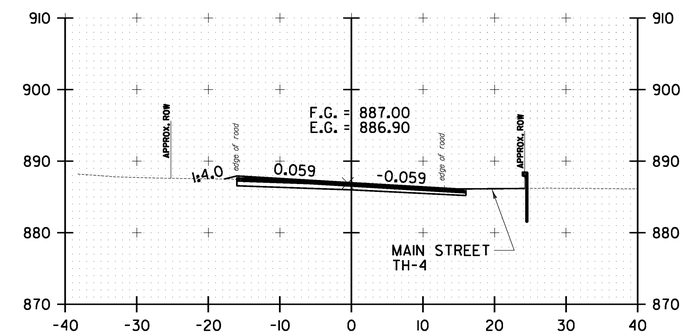
218+00.00



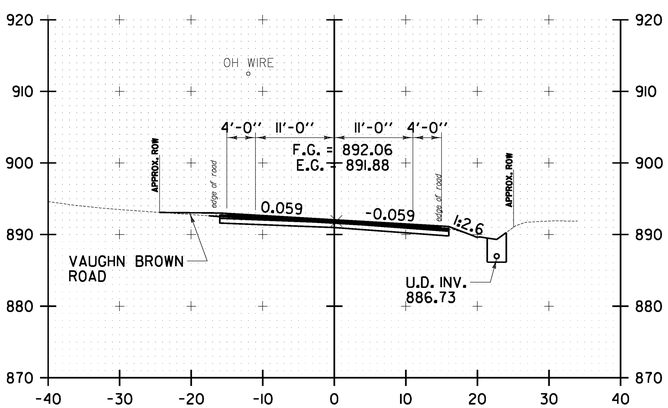
219+00.00



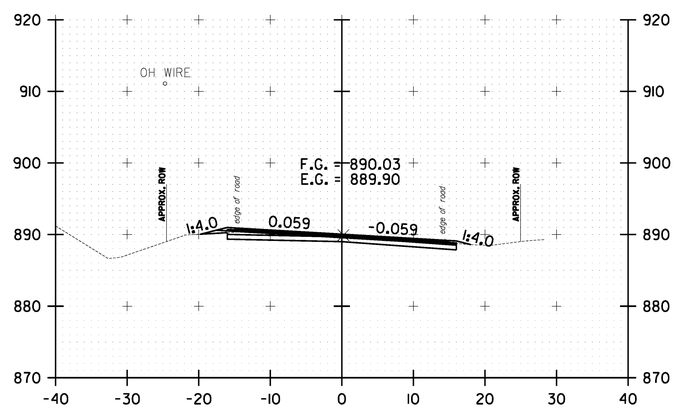
220+50.00



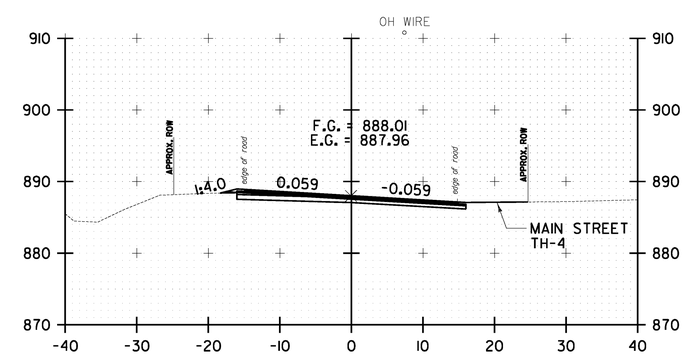
220+00.00



217+50.00



218+50.00



219+50.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #57

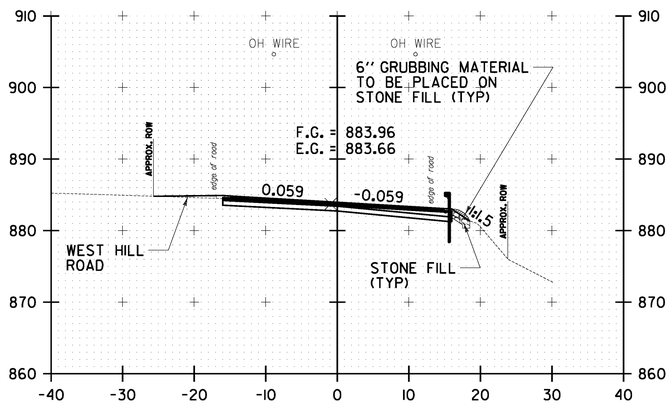
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

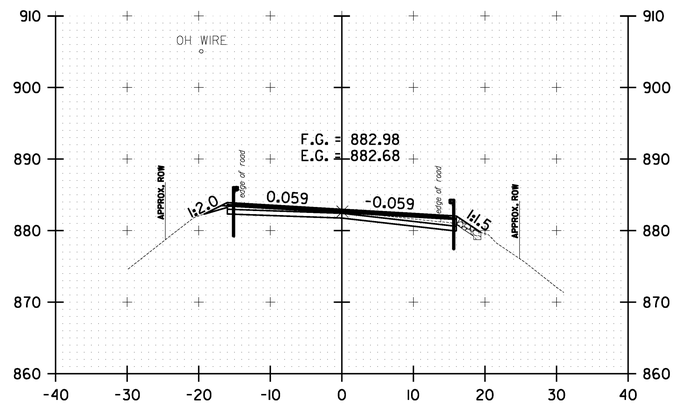
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs57.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 220 OF 310

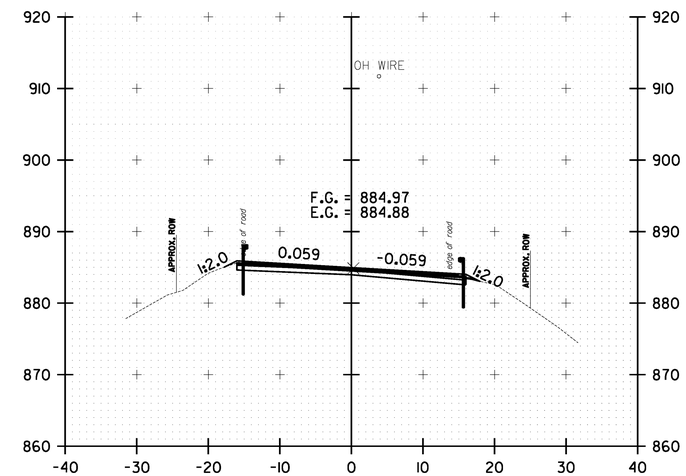
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886



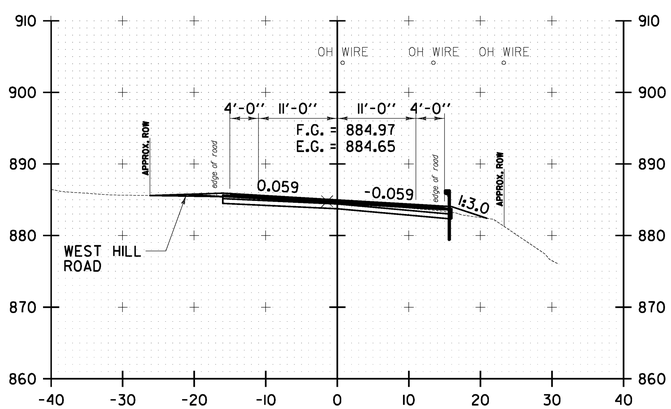
221+50.00



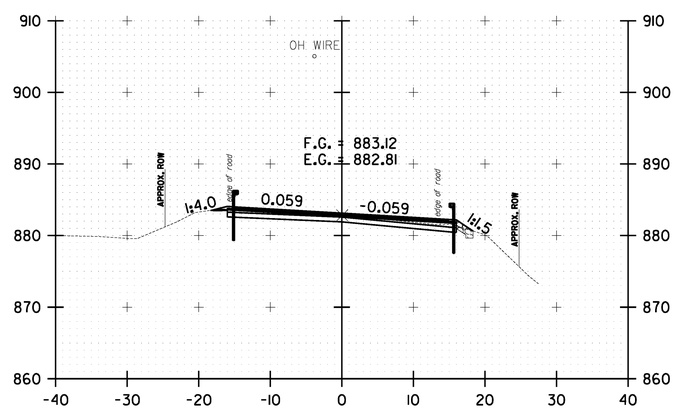
222+50.00



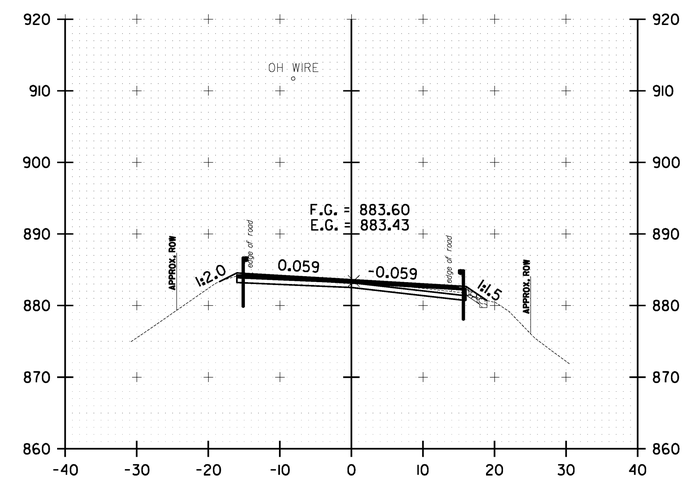
223+50.00



221+00.00



222+00.00



223+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #58

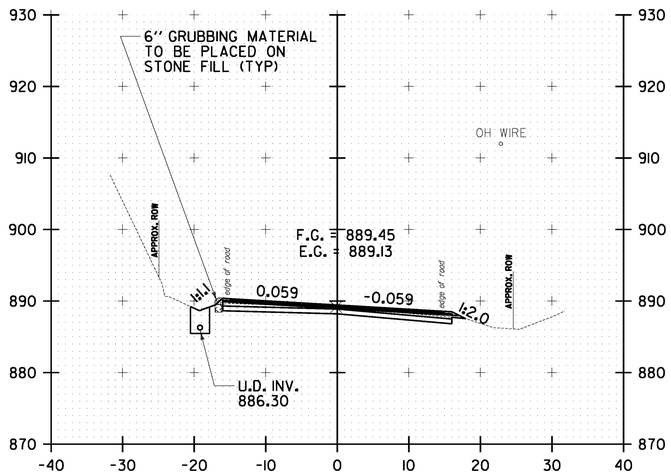
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

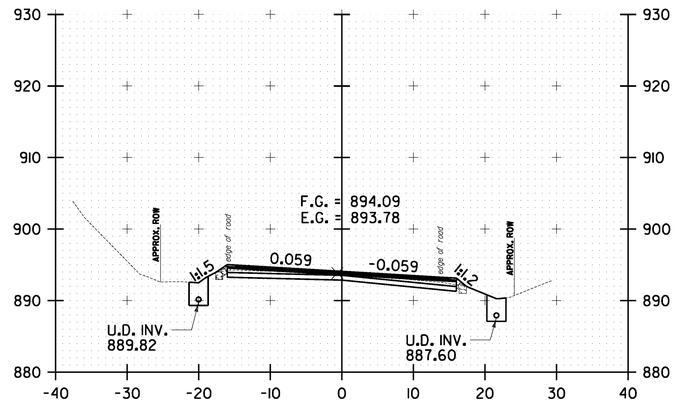
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs58.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 221 OF 310

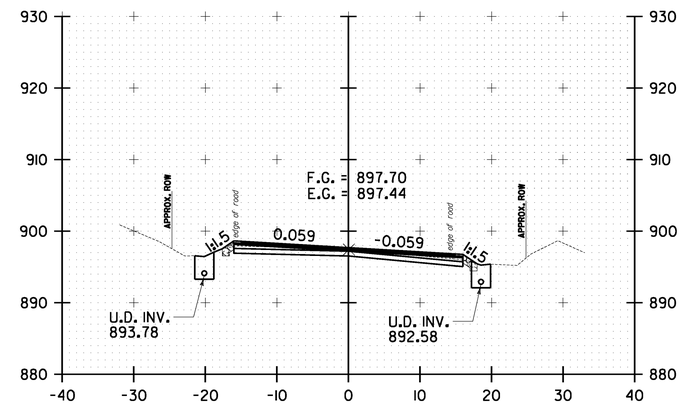
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



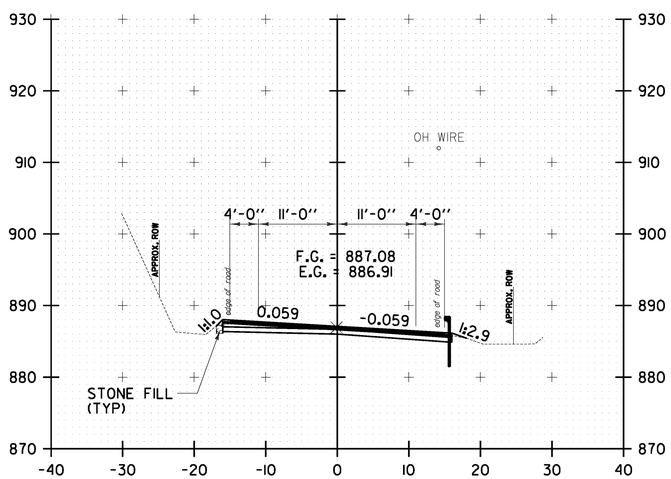
224+50.00



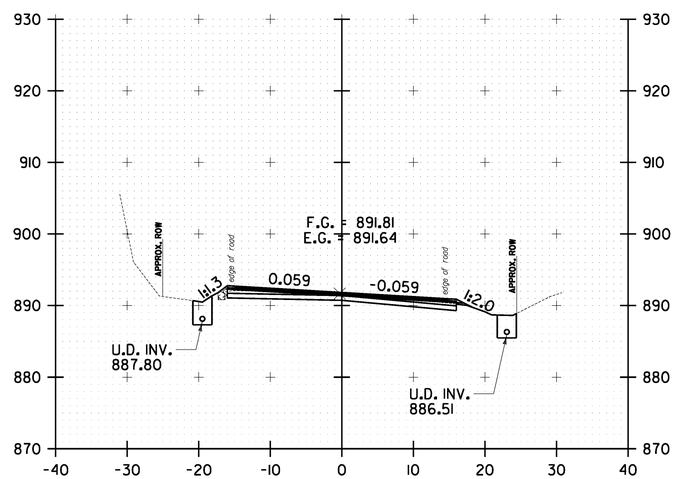
225+50.00



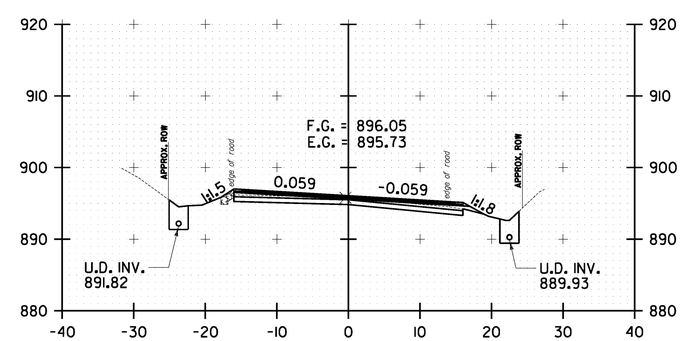
226+50.00



224+00.00



225+00.00



226+00.00

10 0 10
SCALE IN FEET

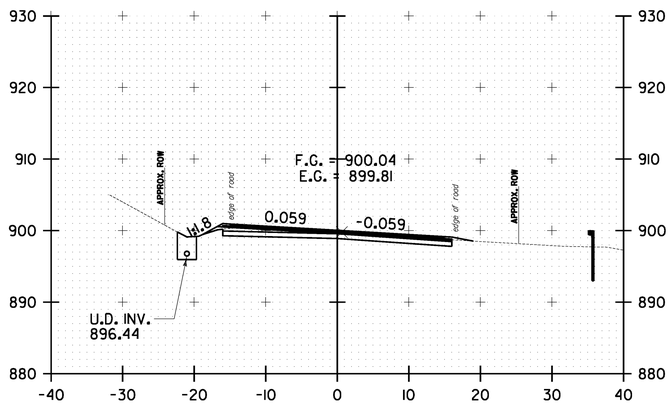
WARREN CROSS SECTION SHEET #59

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

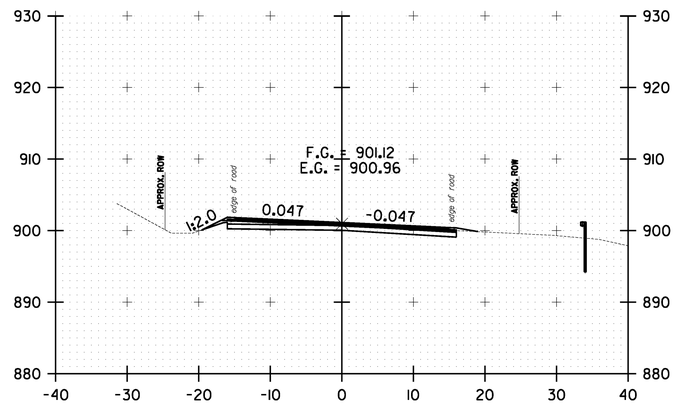
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs59.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 222 OF 310

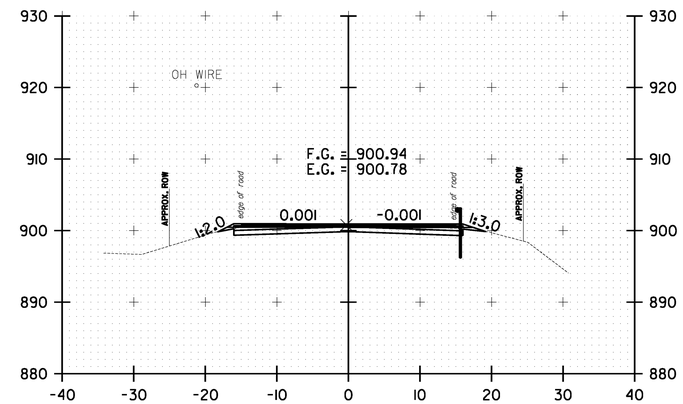
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4069



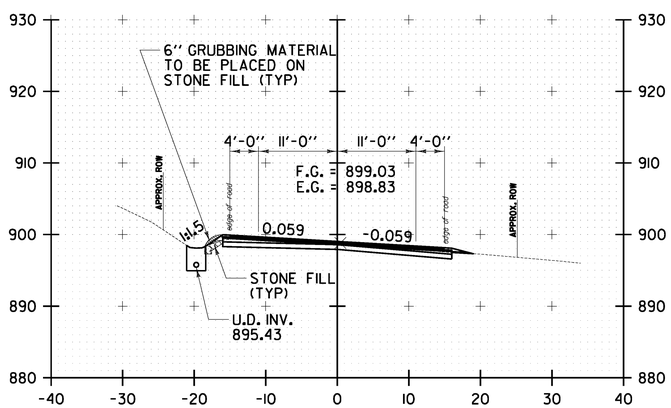
227+50.00



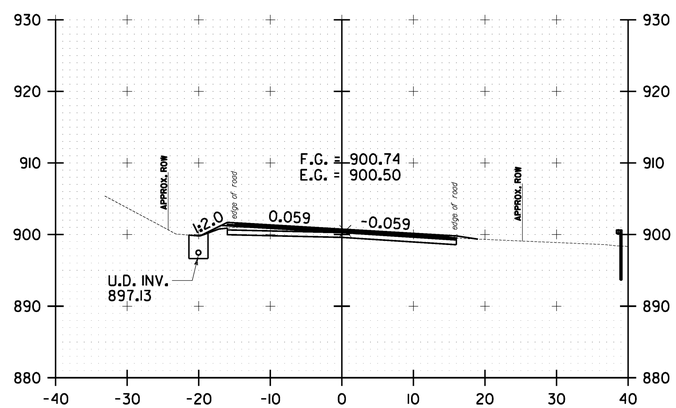
228+50.00



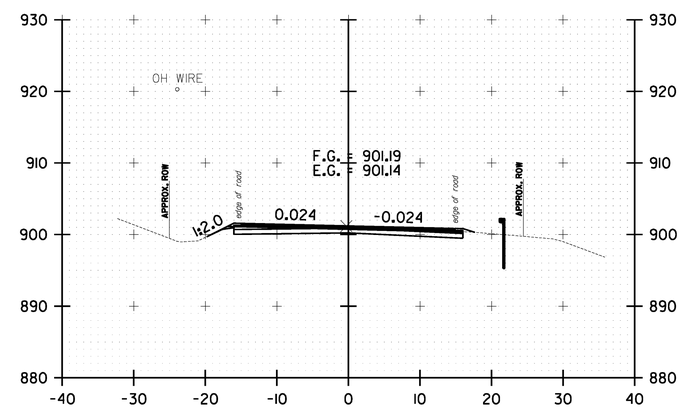
229+50.00



227+00.00



228+00.00



229+00.00

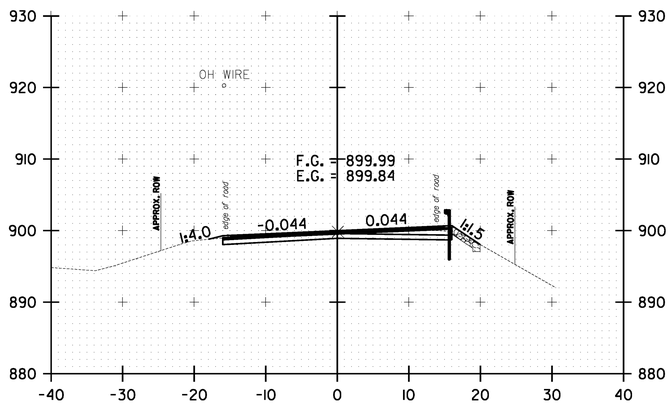
10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #60

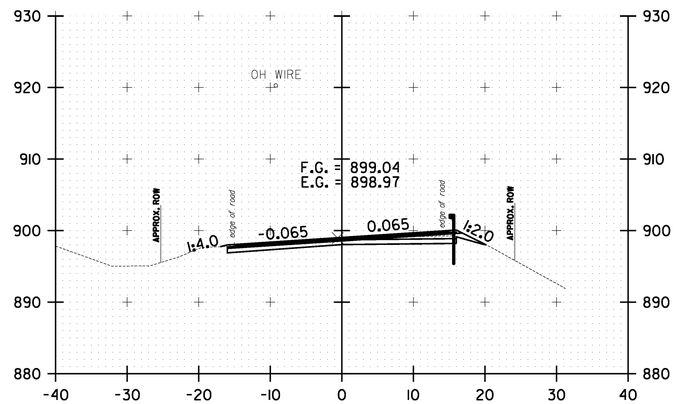
PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs60.i	SHEET 223 OF 310

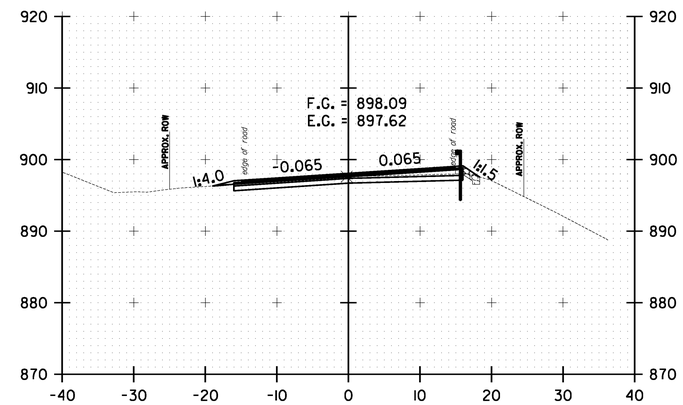
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



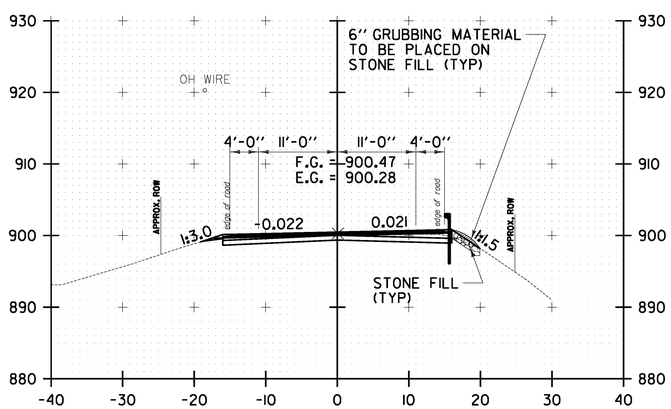
230+50.00



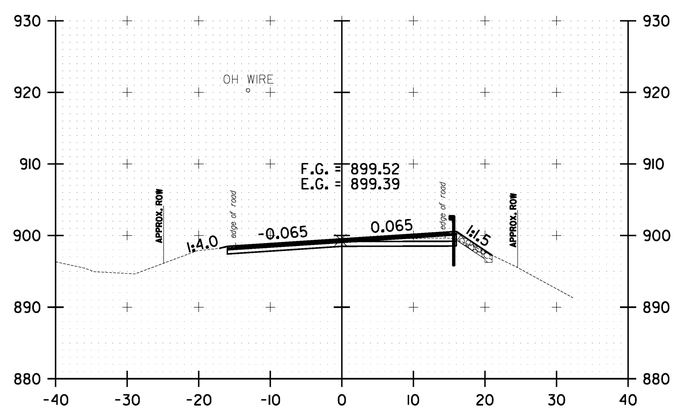
231+50.00



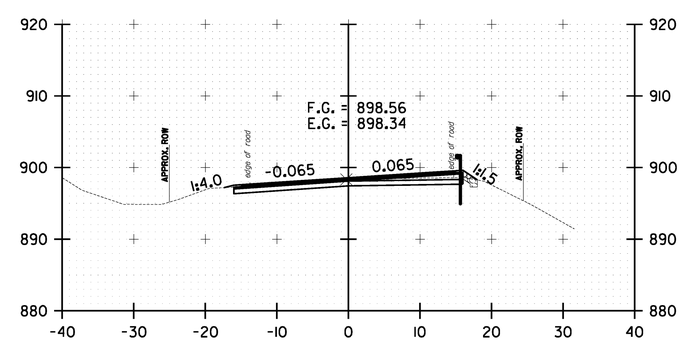
232+50.00



230+00.00



231+00.00



232+00.00

10 0 10
SCALE IN FEET

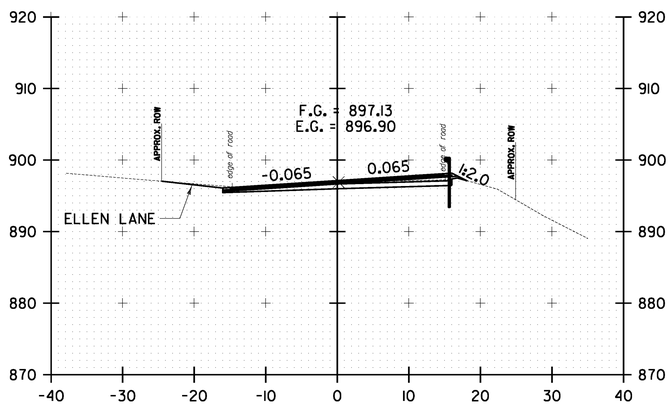
WARREN CROSS SECTION SHEET #61

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

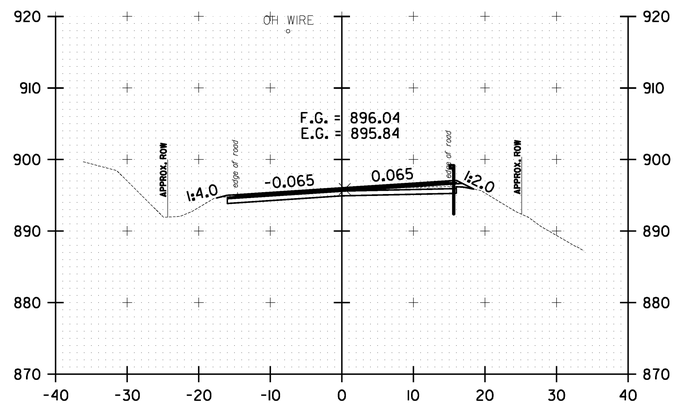
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs61.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 224 OF 310

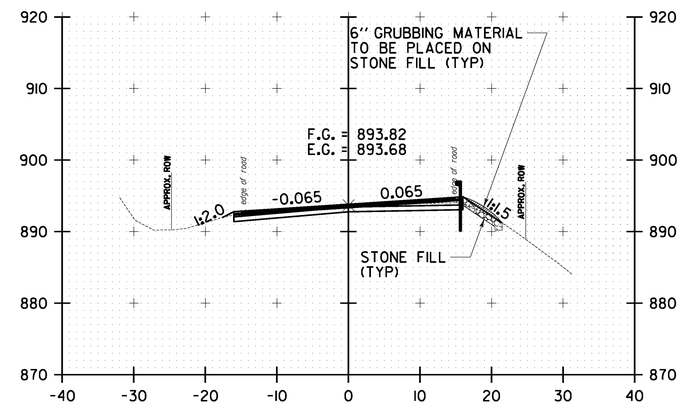
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



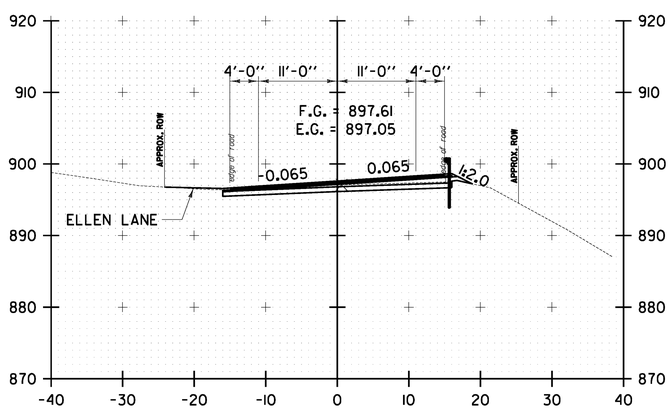
233+50.00



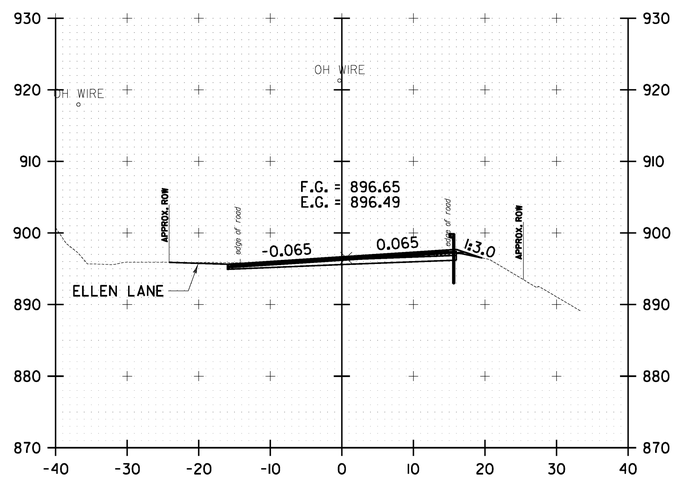
234+50.00



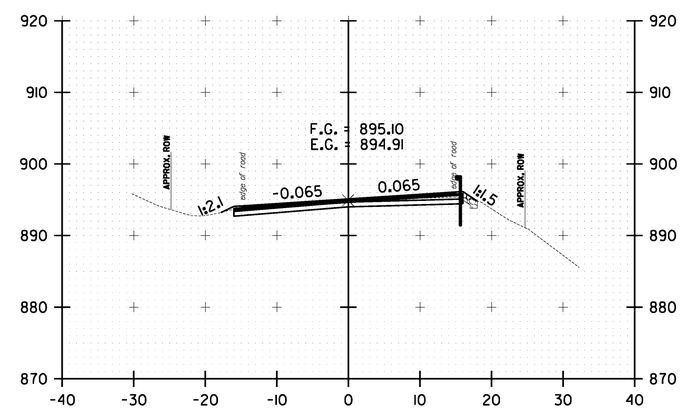
235+50.00



233+00.00



234+00.00



235+00.00

10 0 10
SCALE IN FEET

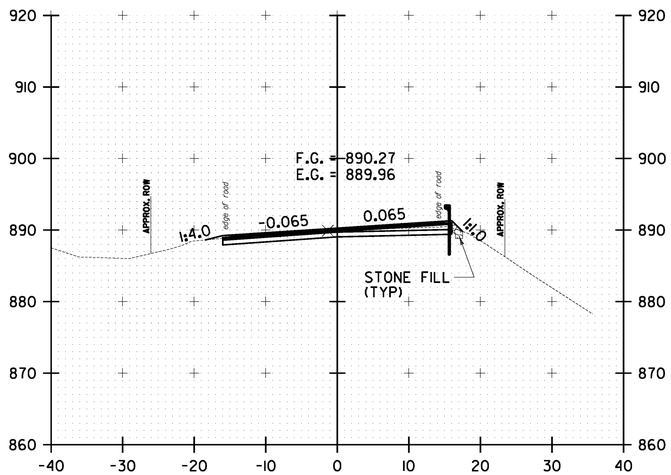
WARREN
CROSS SECTION
SHEET #62

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

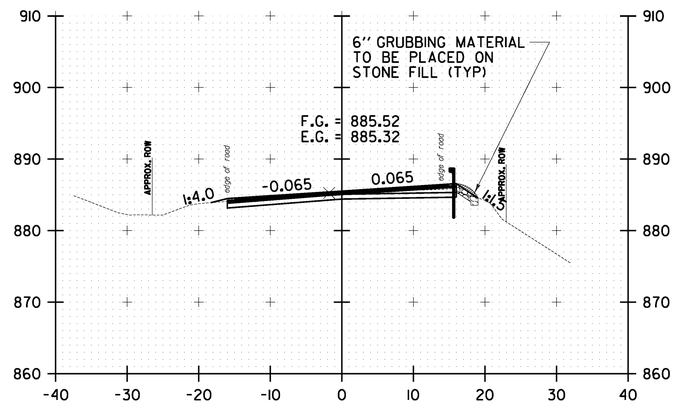
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs62.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 225 OF 310

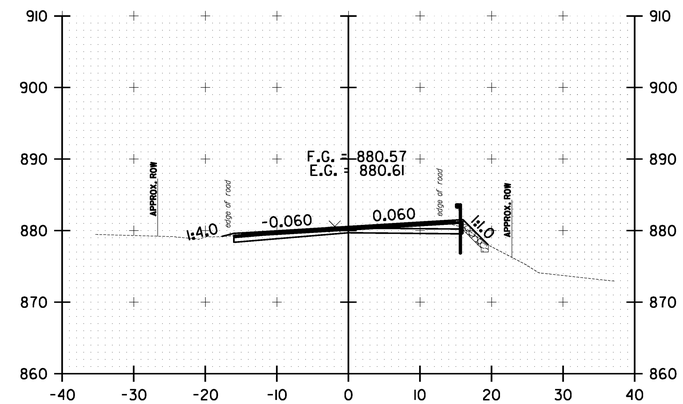
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



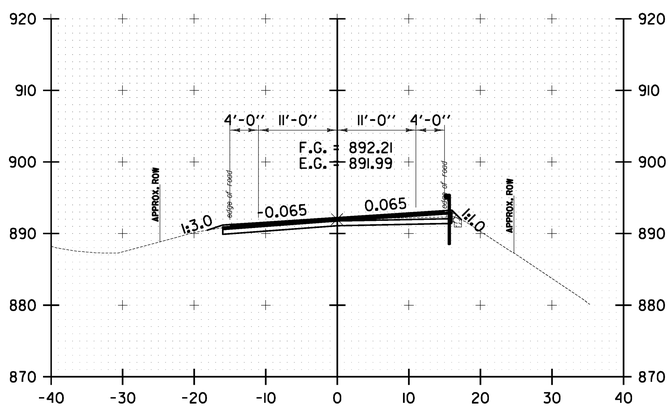
236+50.00



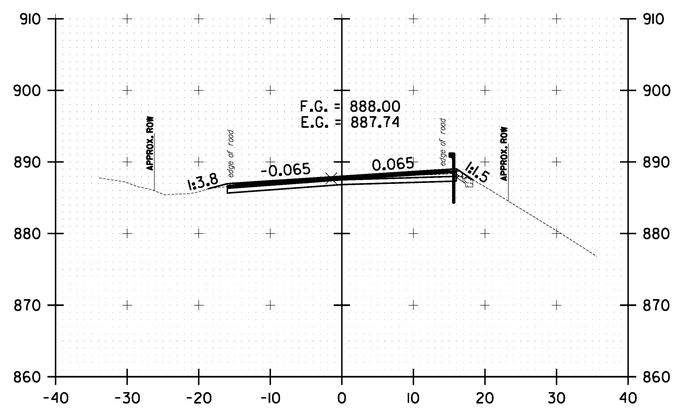
237+50.00



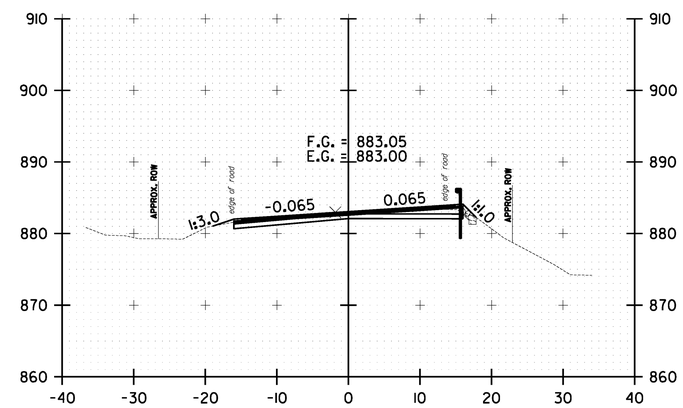
238+50.00



236+00.00



237+00.00



238+00.00

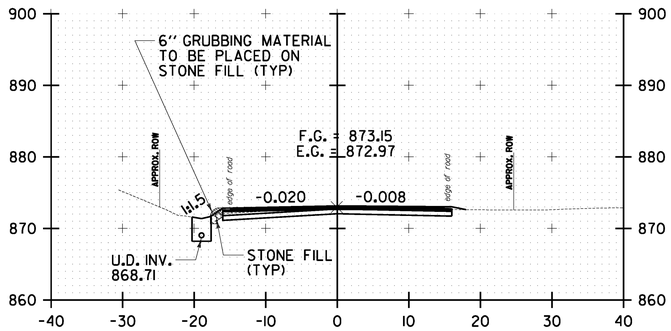
10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #63

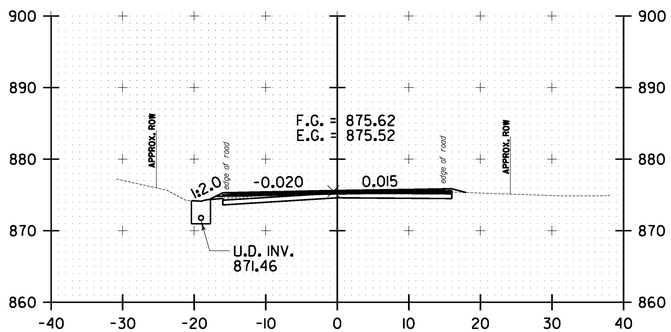
PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs63.i	SHEET 226 OF 310

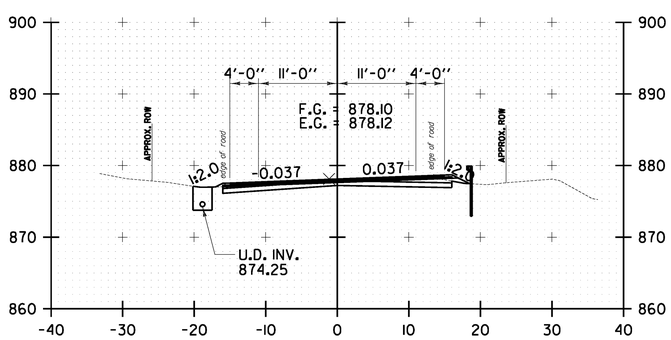
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



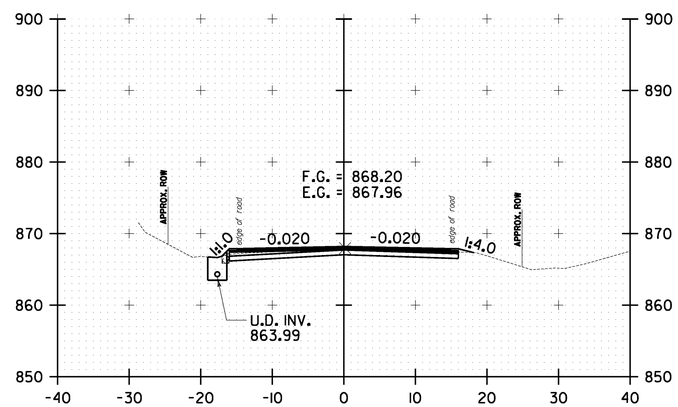
240+00.00



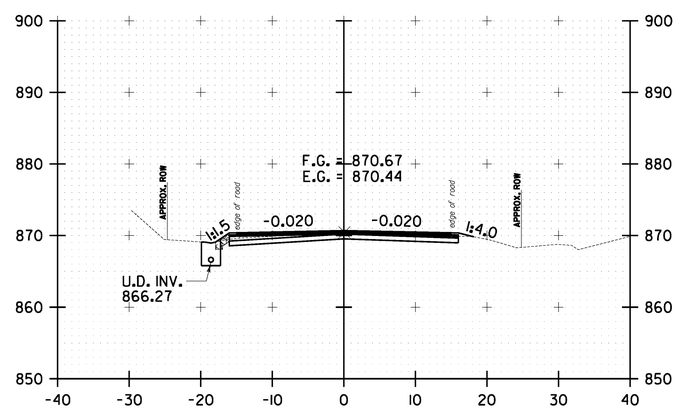
239+50.00



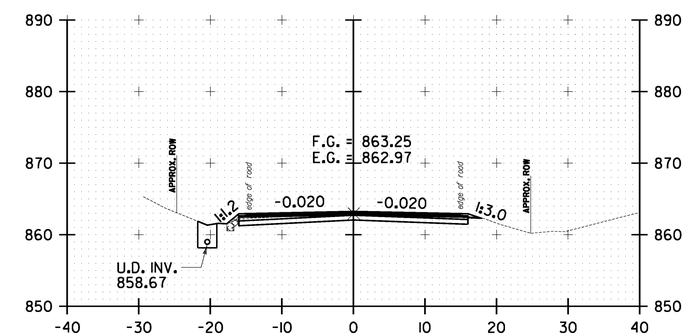
239+00.00



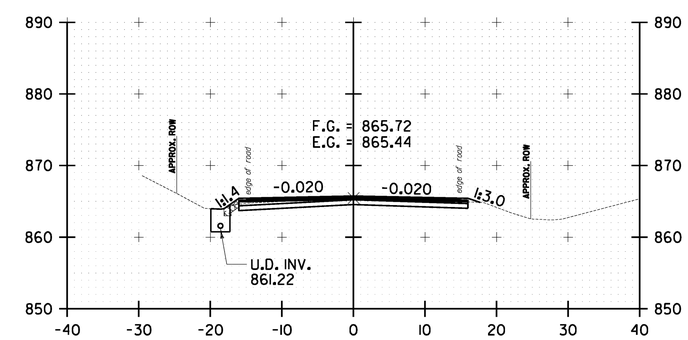
241+00.00



240+50.00



242+00.00



241+50.00

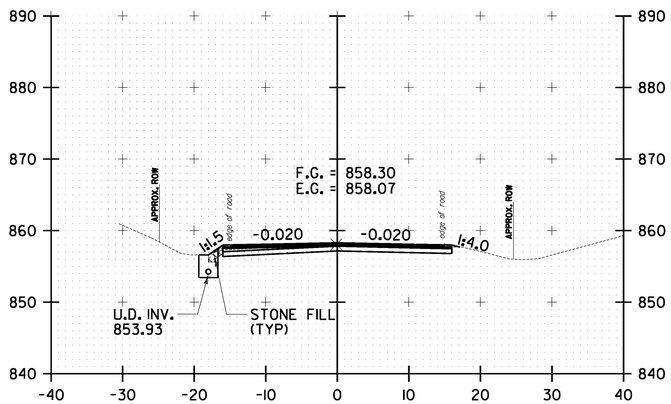
10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #64

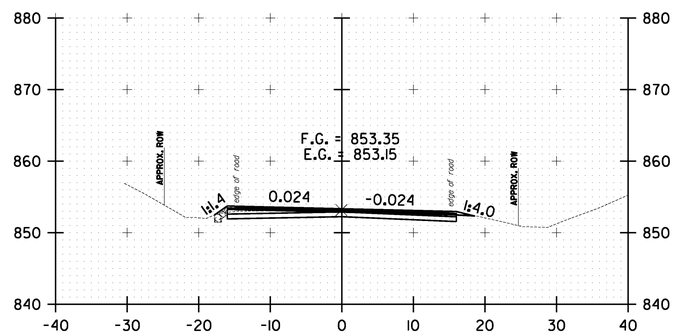
PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs64.i	SHEET 227 OF 310

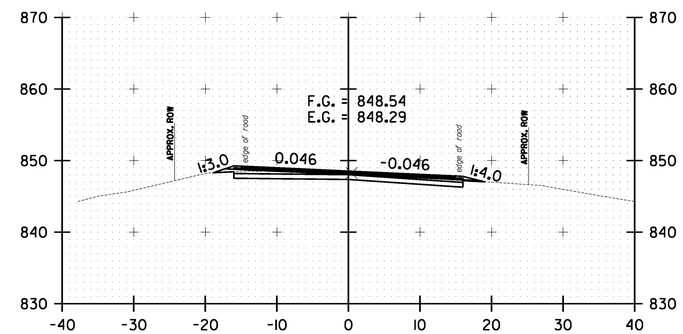
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4696



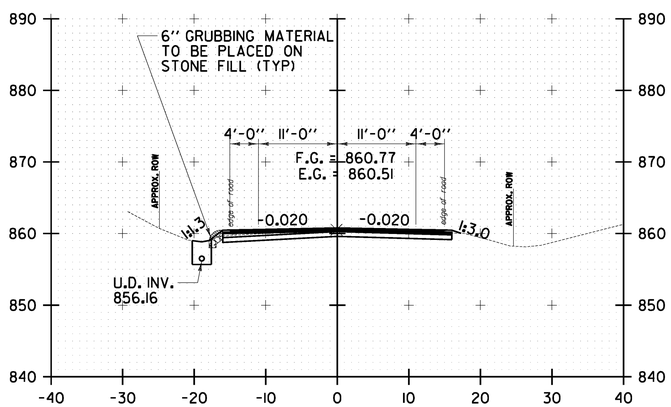
243+00.00



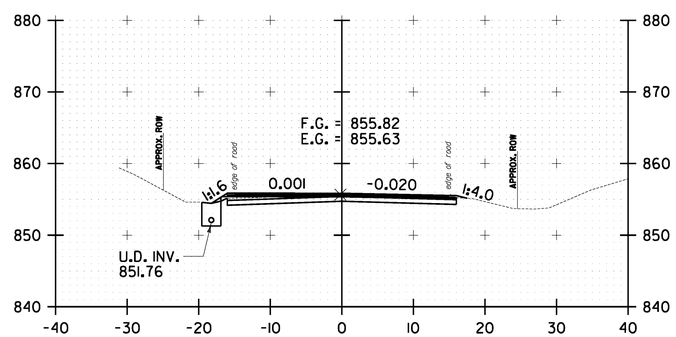
244+00.00



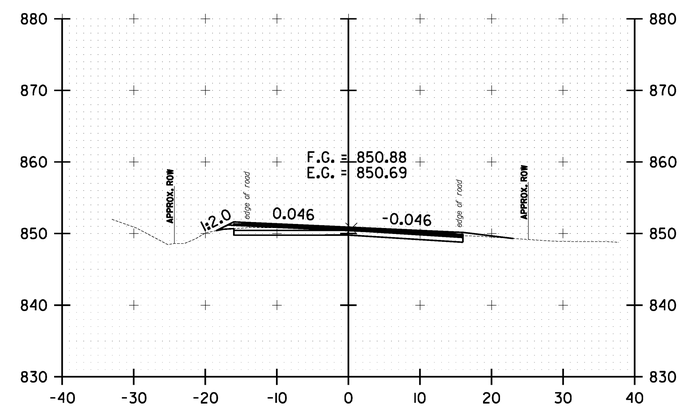
245+00.00



242+50.00



243+50.00



244+50.00

10 0 10
SCALE IN FEET

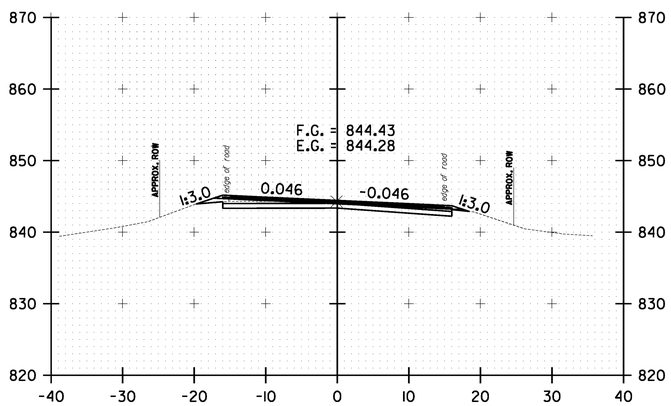
WARREN
CROSS SECTION
SHEET #65

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

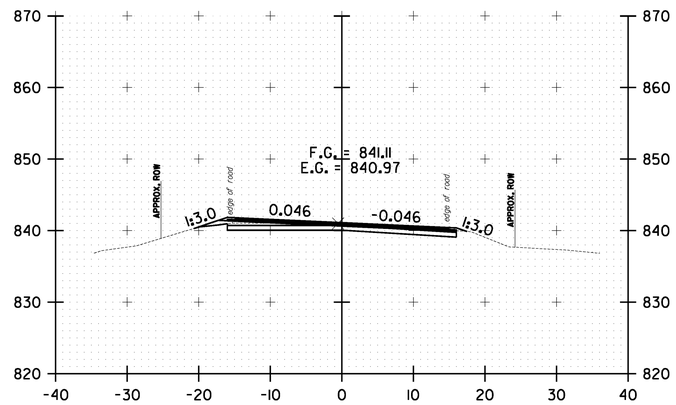
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs65.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 228 OF 310

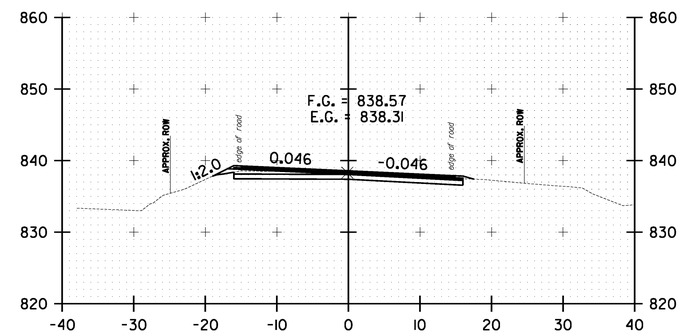
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



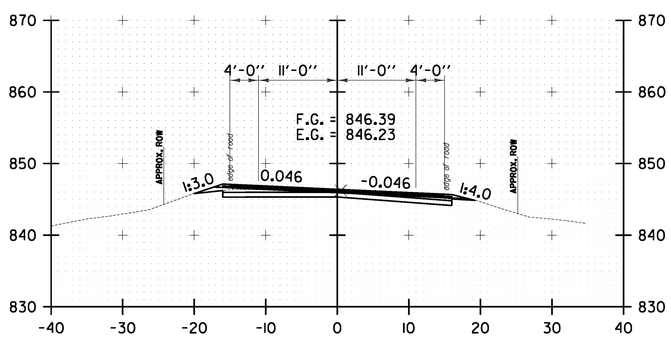
246+00.00



247+00.00



248+00.00



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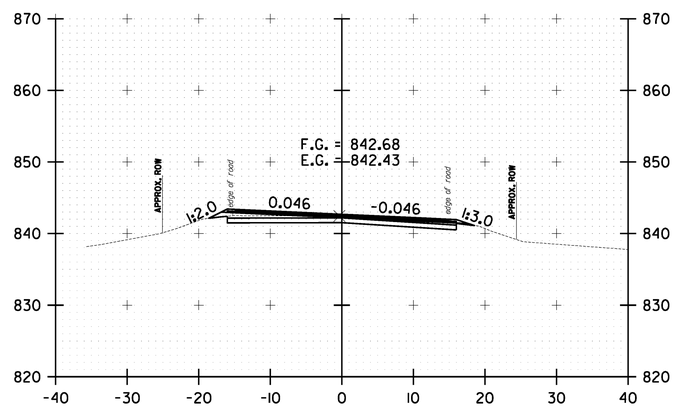
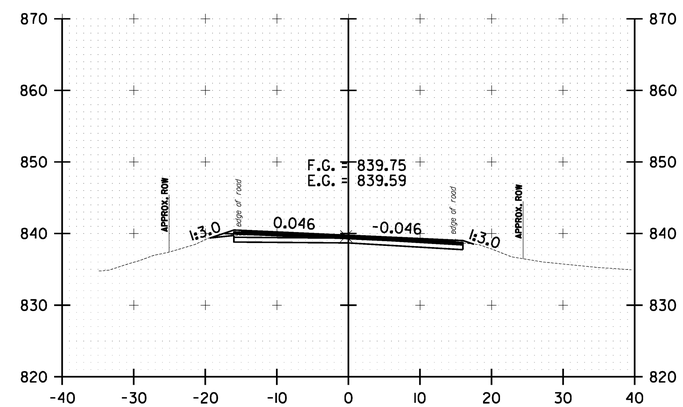


246+50.00



247+50.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #66

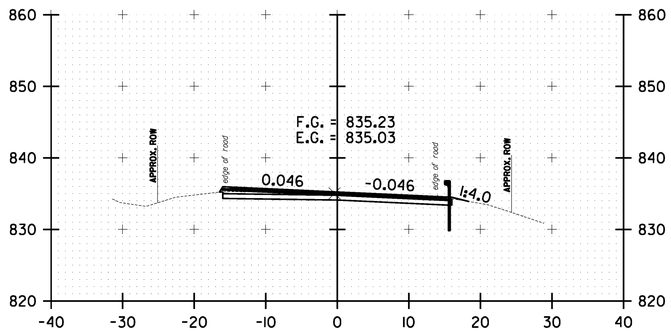
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

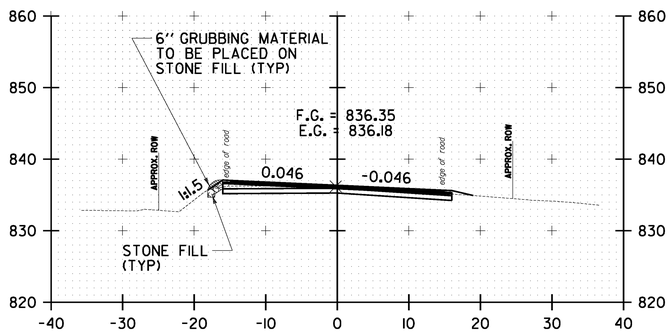
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs66.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 229 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



249+50.00



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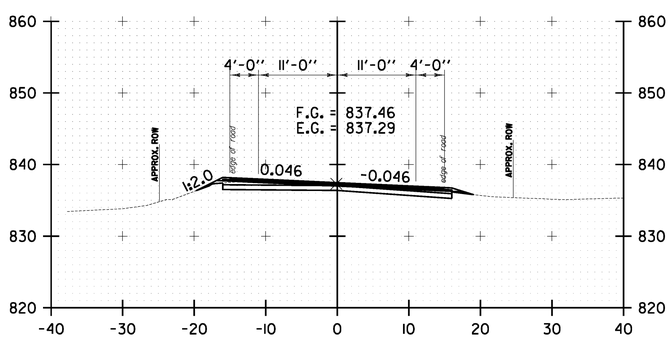

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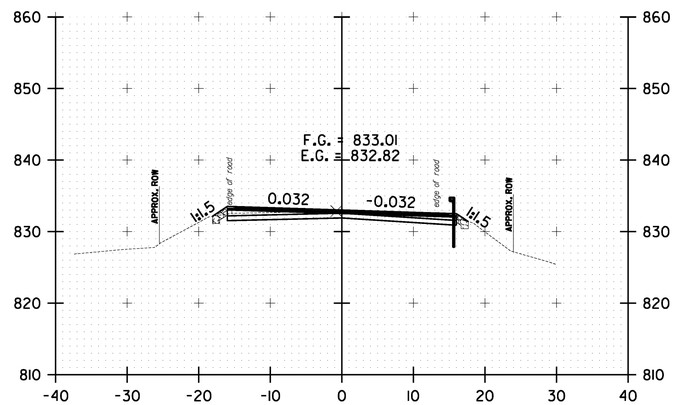

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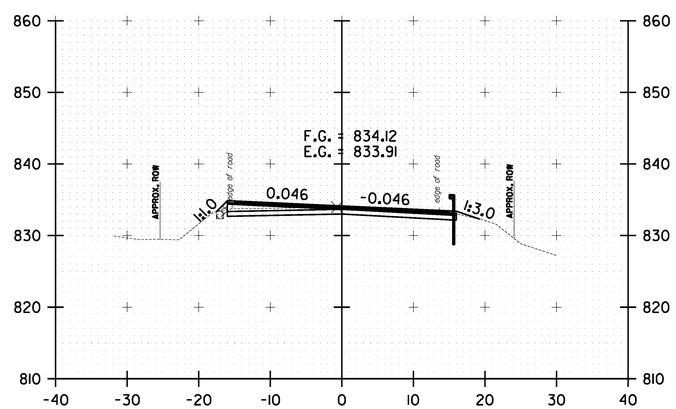
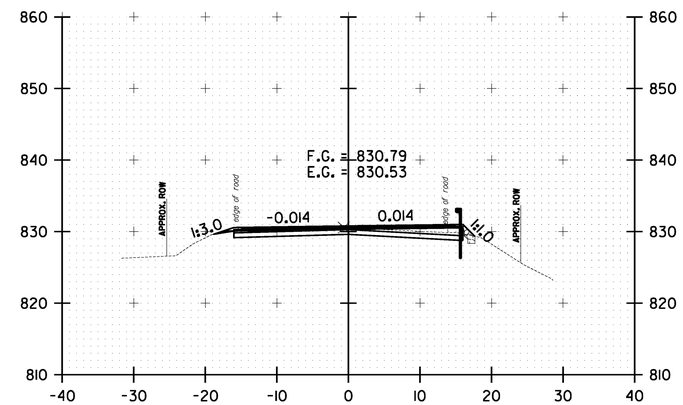
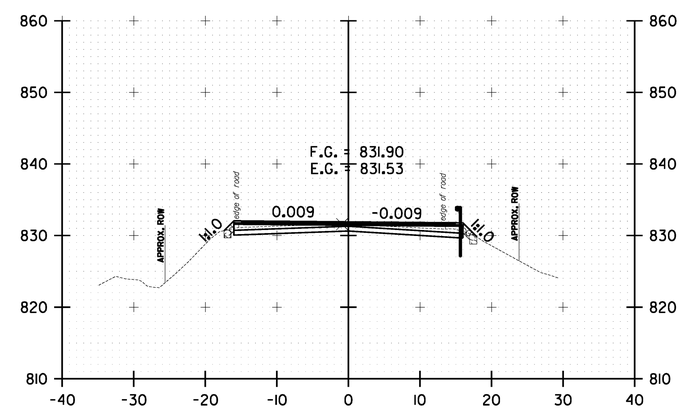


250+00.00



251+50.00



251+00.00

10 0 10
SCALE IN FEET

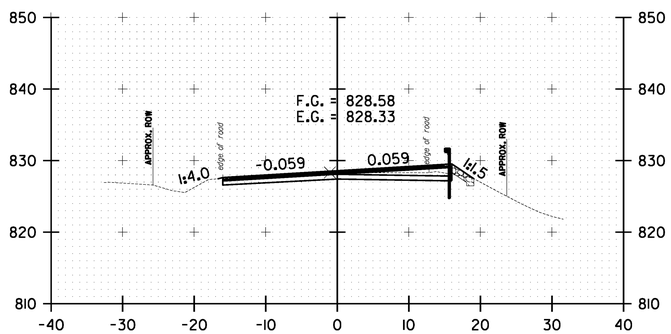
WARREN
CROSS SECTION
SHEET #67

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

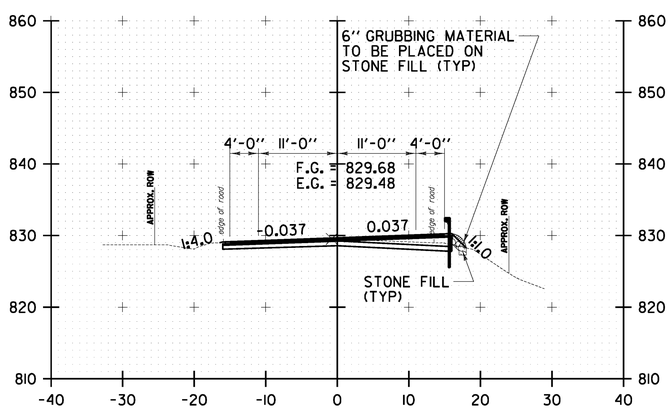
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs67.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 230 OF 310

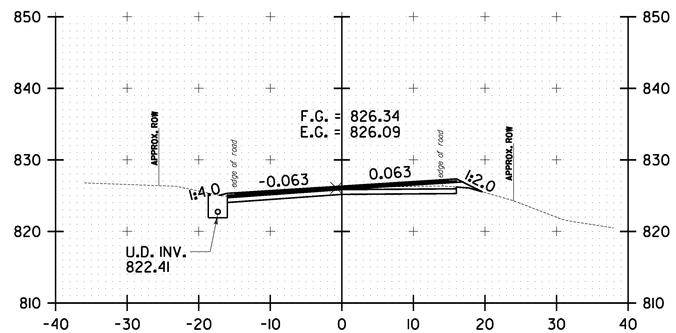
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



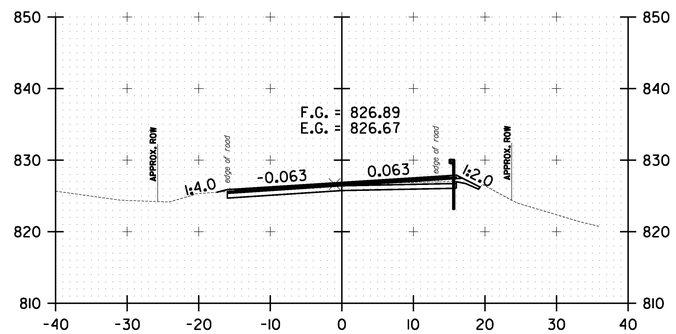
252+50.00



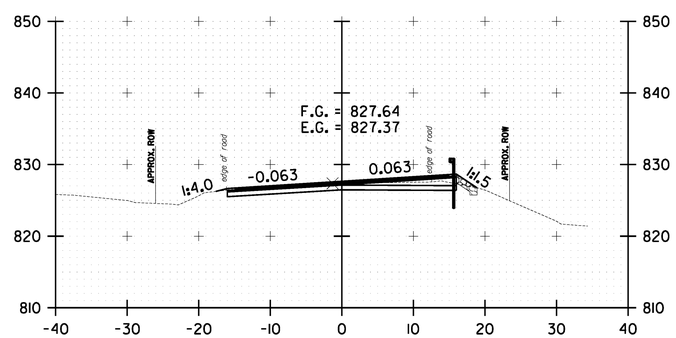
252+00.00



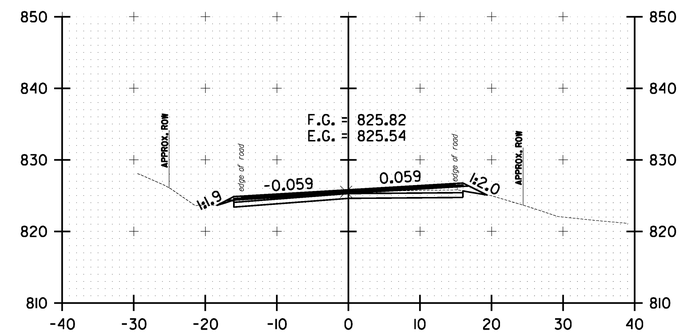
254+00.00



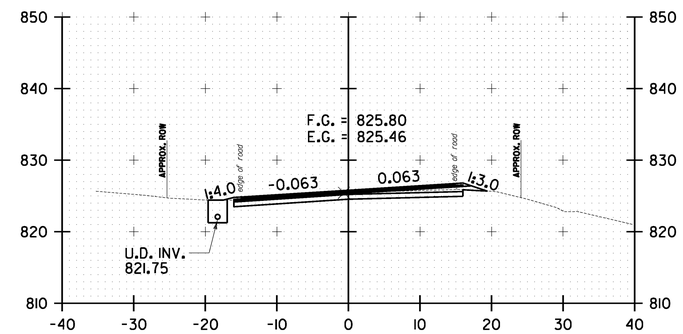
253+50.00



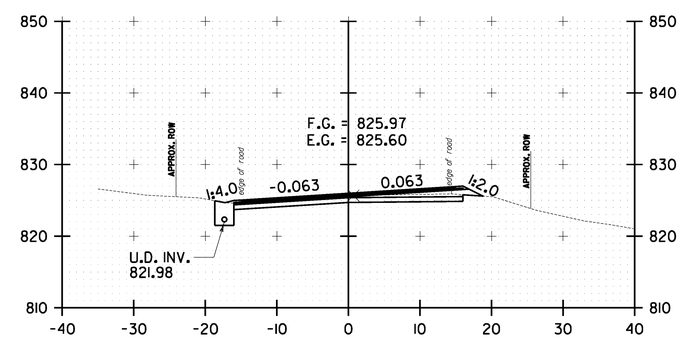
253+00.00



255+50.00



255+00.00



254+50.00

10 0 10
SCALE IN FEET

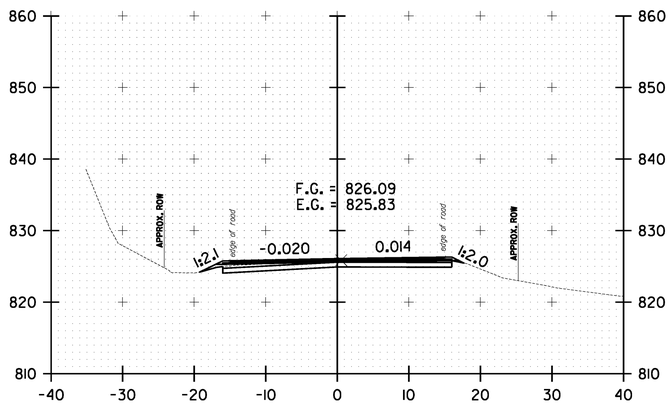
WARREN CROSS SECTION SHEET #68

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

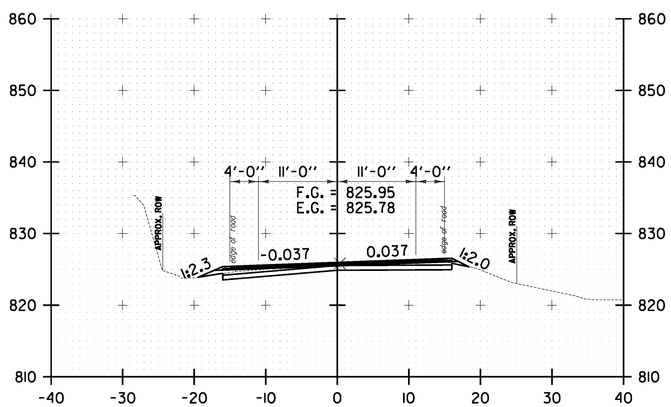
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs68.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 231 OF 310

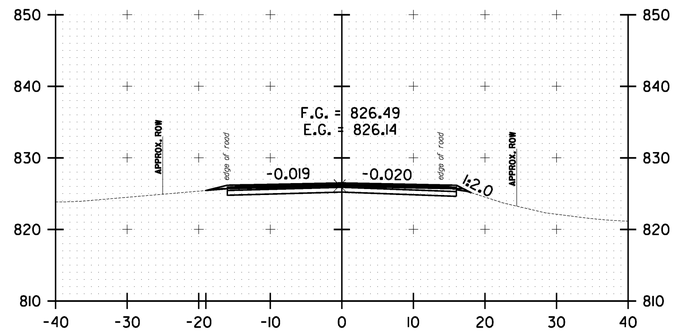
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14066



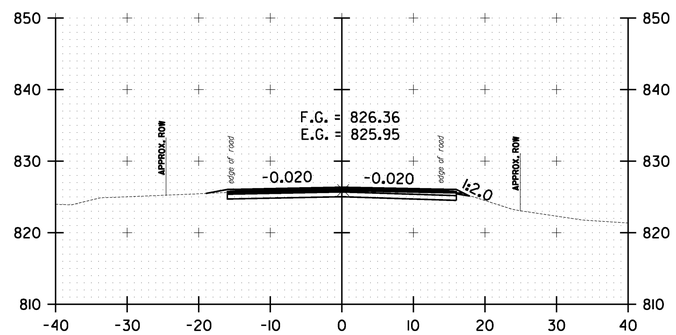
256+50.00



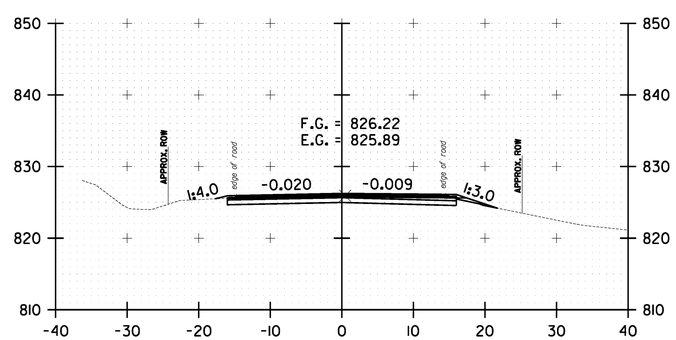
256+00.00



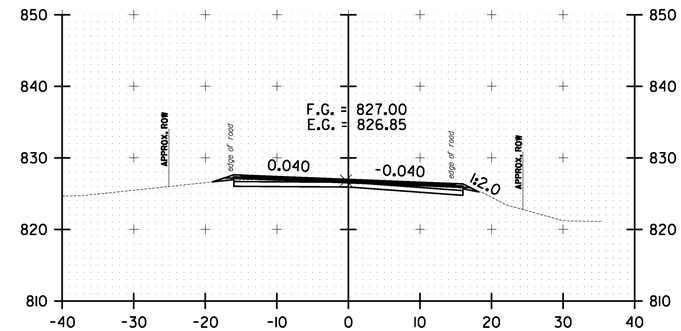
258+00.00



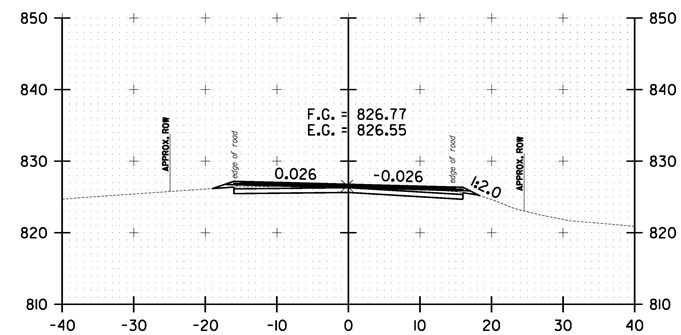
257+50.00



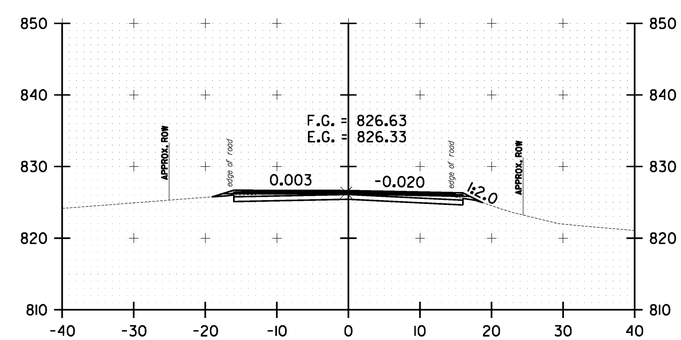
257+00.00



259+50.00



259+00.00



258+50.00

10 0 10
SCALE IN FEET

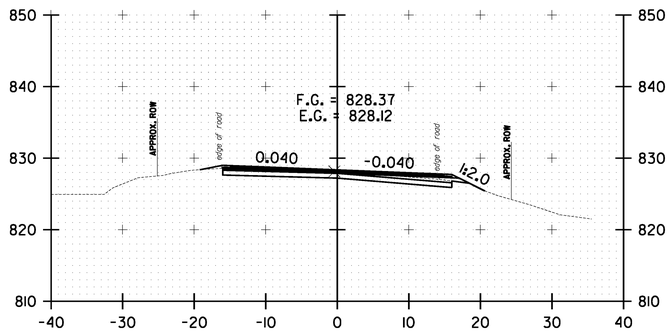
WARREN CROSS SECTION SHEET #69

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

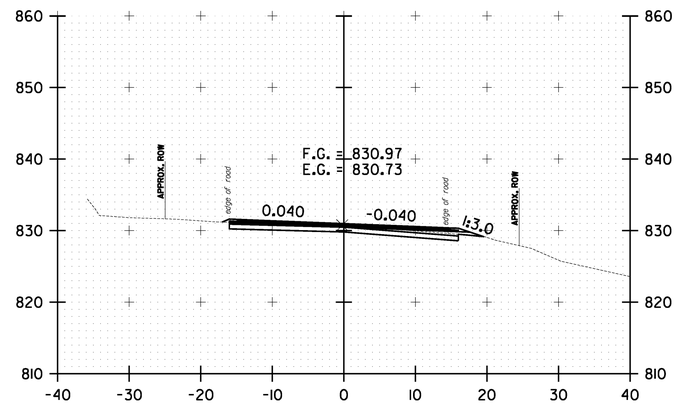
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs69.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 232 OF 310

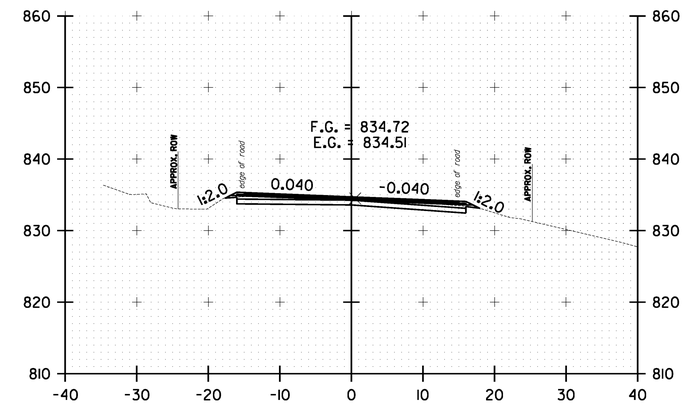
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



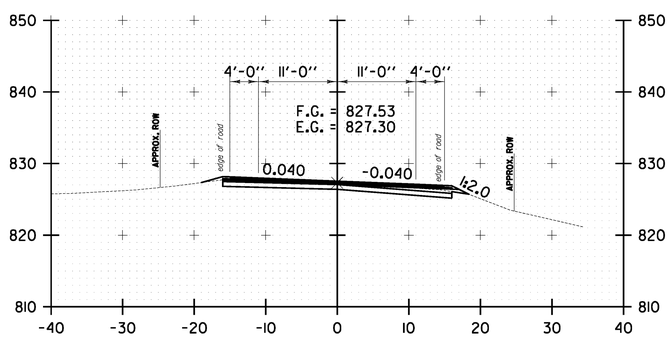
260+50.00



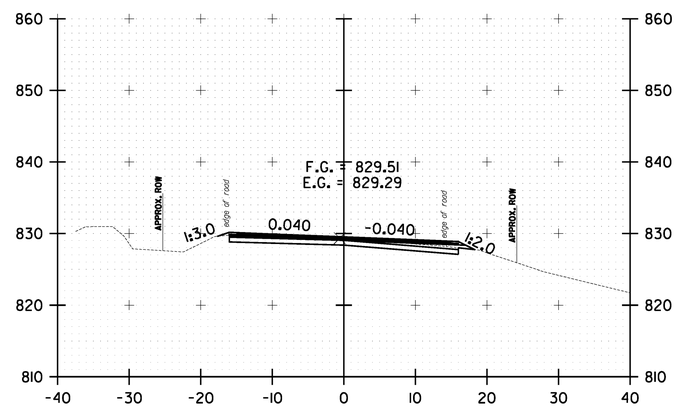
261+50.00



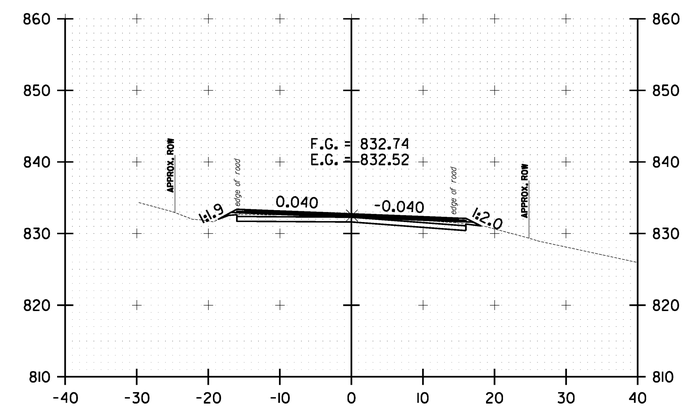
262+50.00



260+00.00



261+00.00



262+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #70

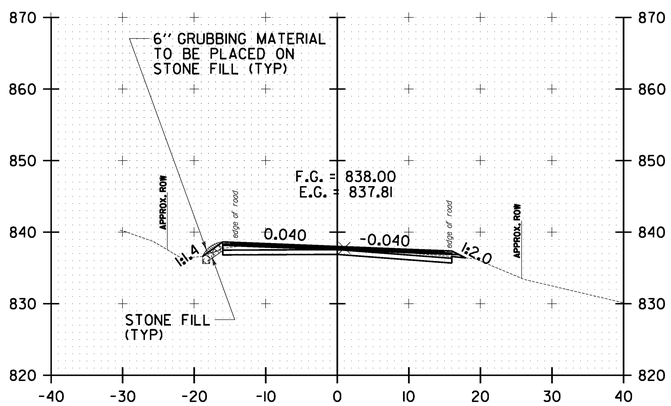
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

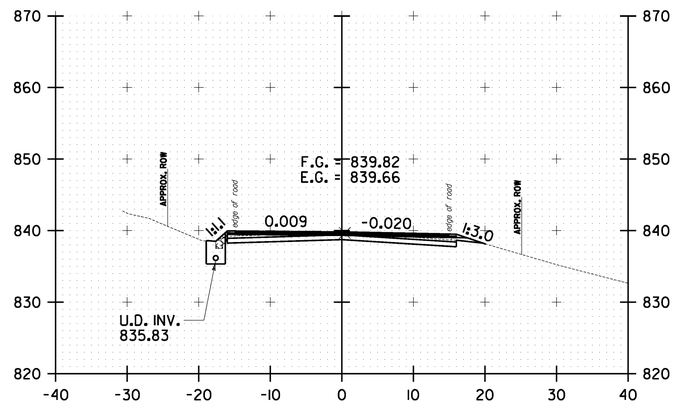
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs70.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 233 OF 310

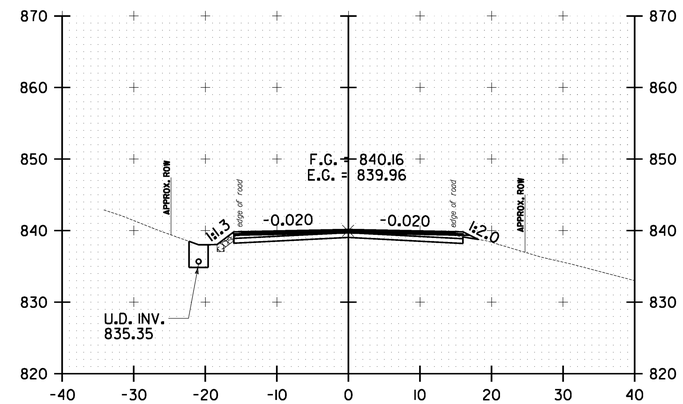
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



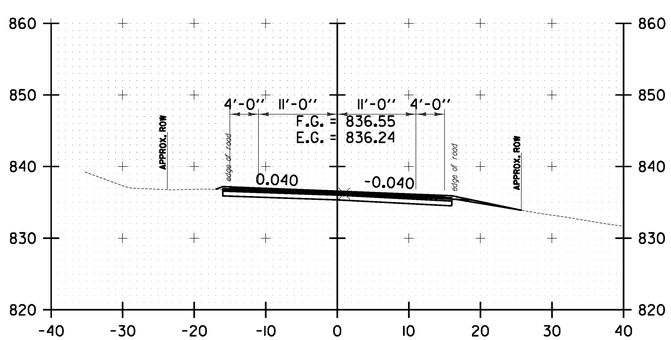
263+50.00



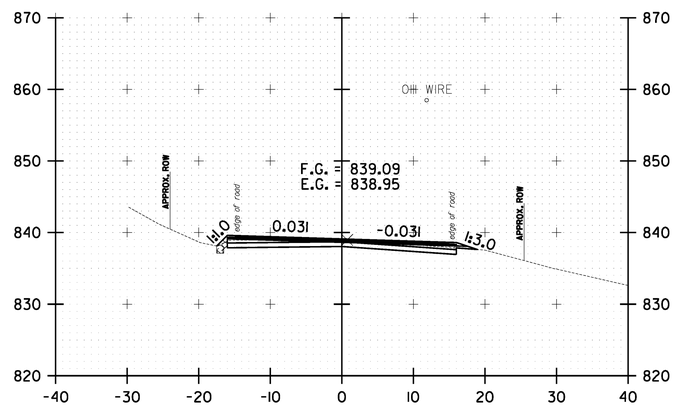
264+50.00



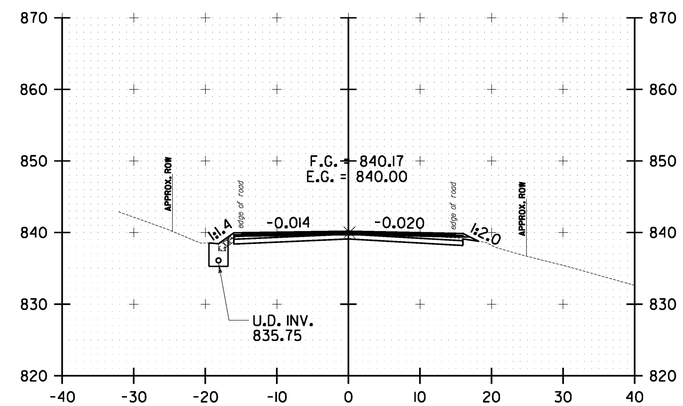
265+50.00



263+00.00



264+00.00



265+00.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #71

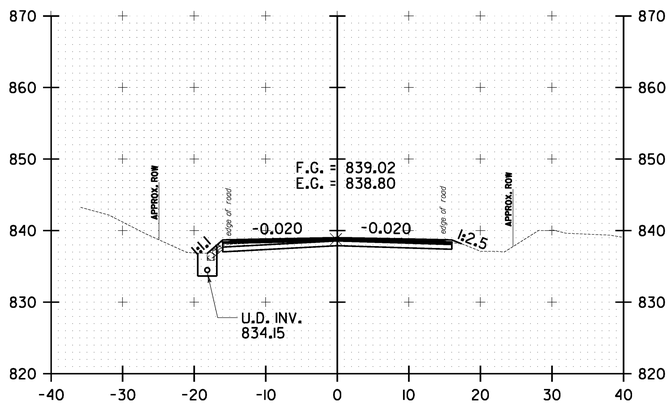
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

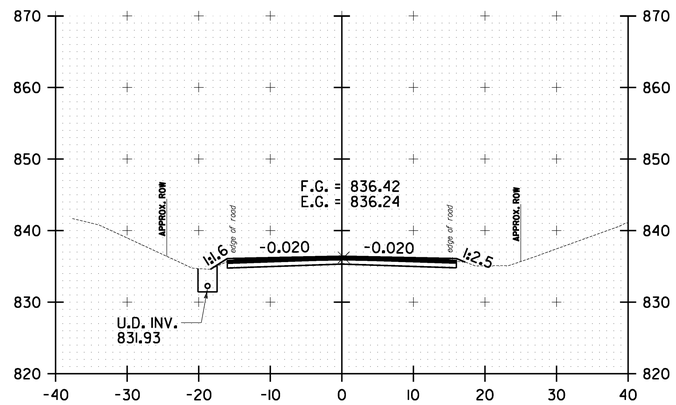
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs71.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 234 OF 310

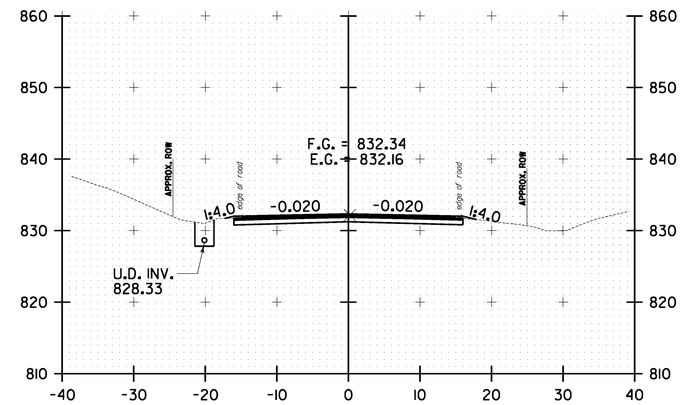
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886



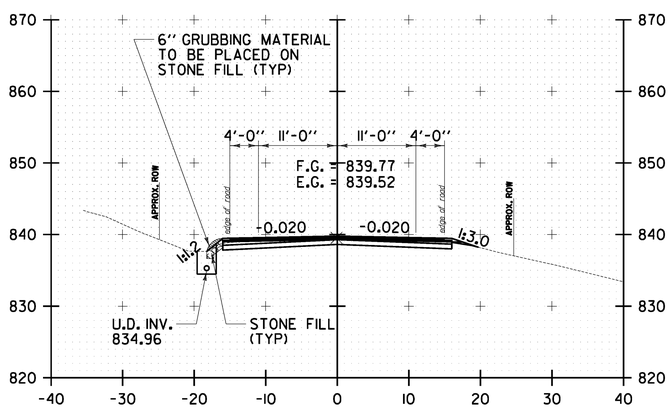
266+50.00



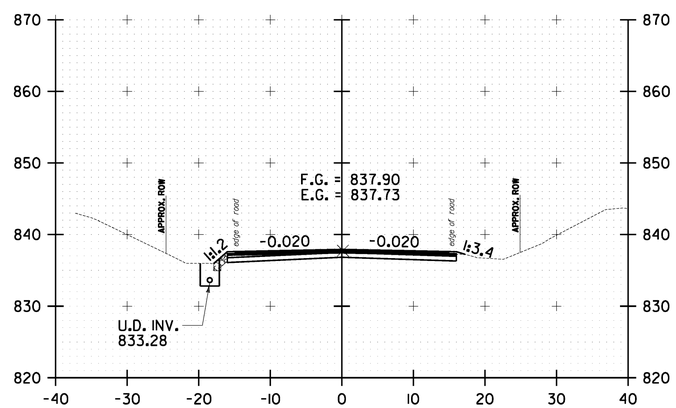
267+50.00



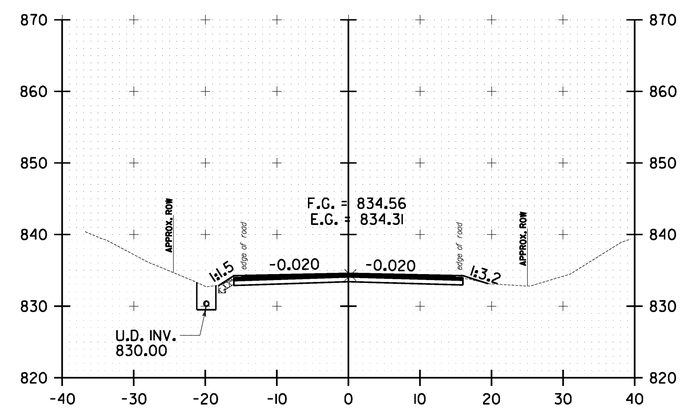
268+50.00



266+00.00



267+00.00



268+00.00

10 0 10
SCALE IN FEET

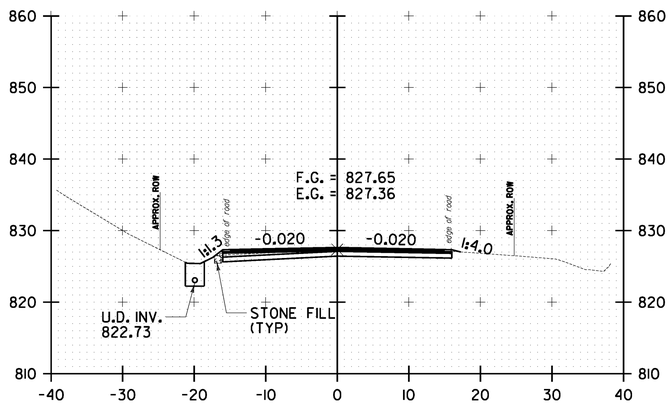
WARREN CROSS SECTION SHEET #72

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

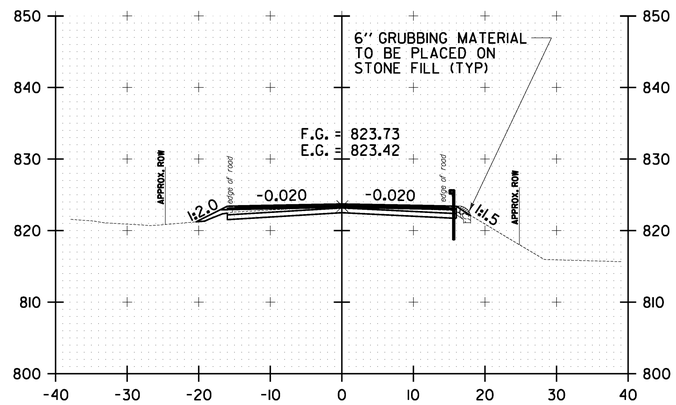
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs72.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 235 OF 310

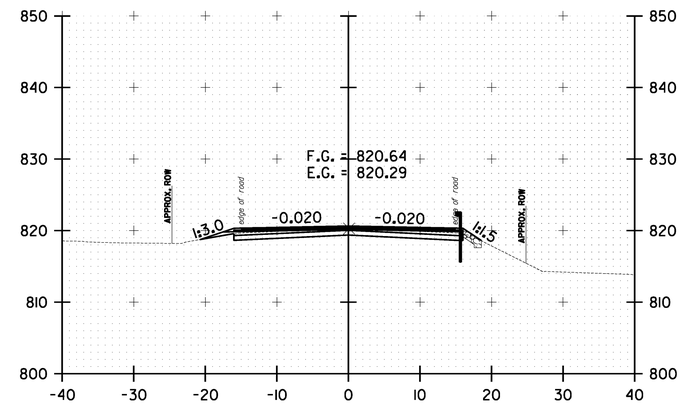
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



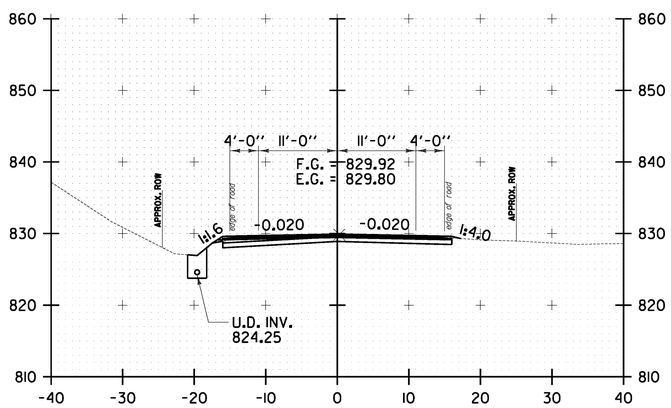
269+50.00



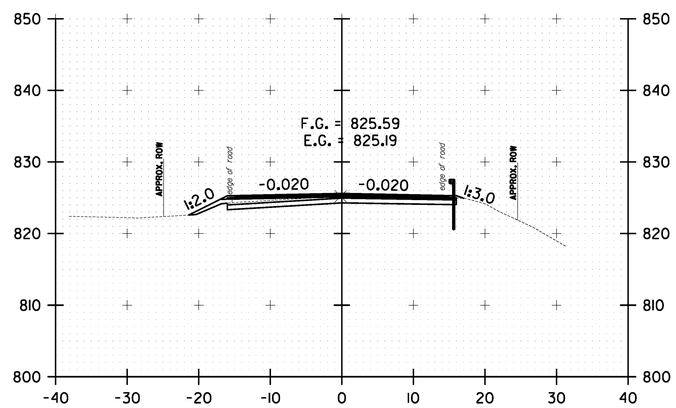
270+50.00



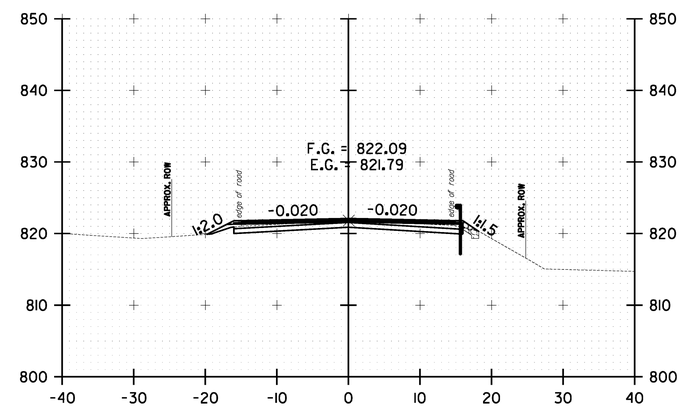
271+50.00



269+00.00



270+00.00



271+00.00

10 0 10
SCALE IN FEET

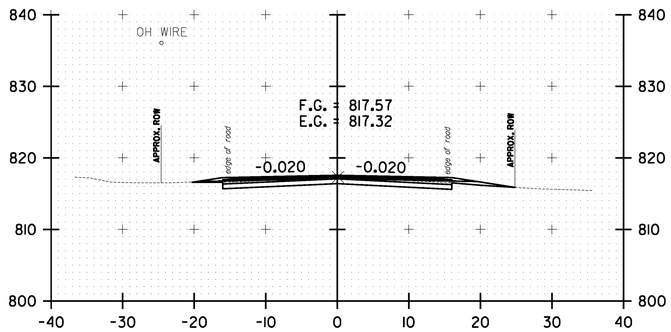
WARREN CROSS SECTION SHEET #73

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

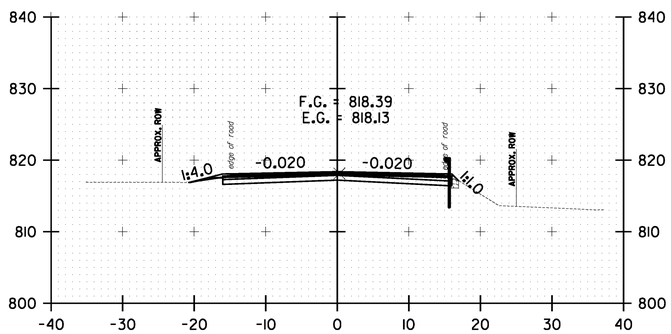
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs73.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 236 OF 310

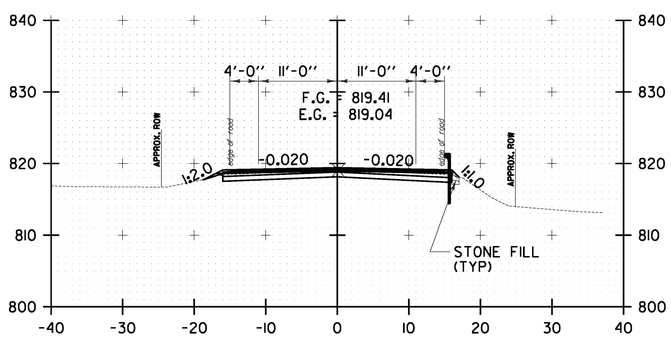
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



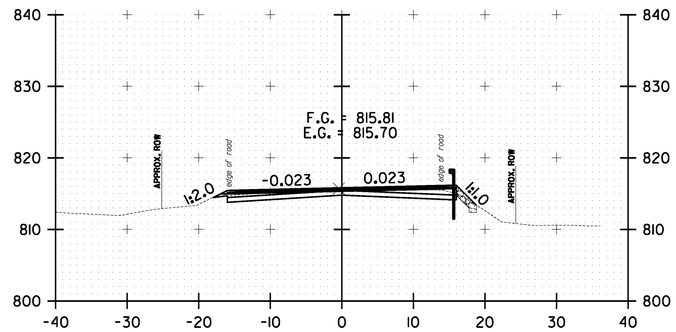
273+00.00



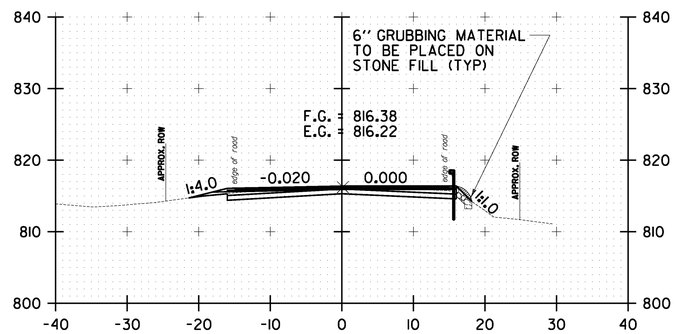
272+50.00



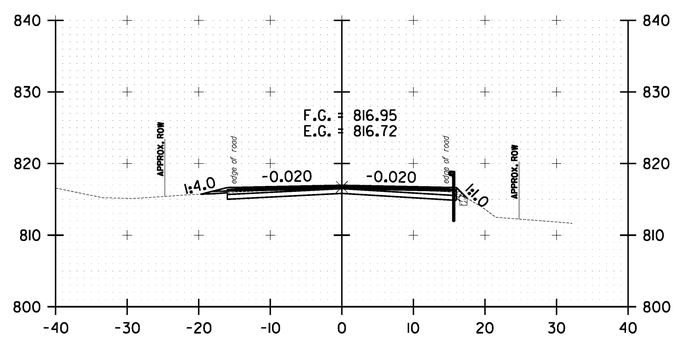
272+00.00



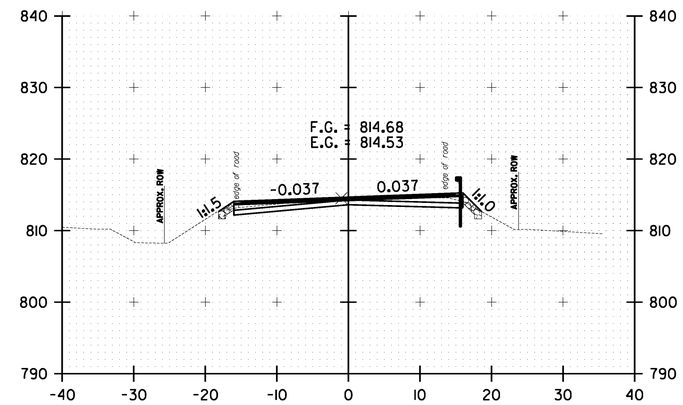
274+50.00



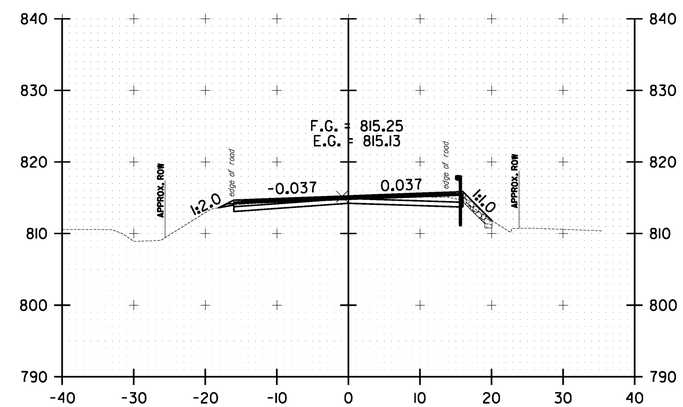
274+00.00



273+50.00



275+50.00



275+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #74

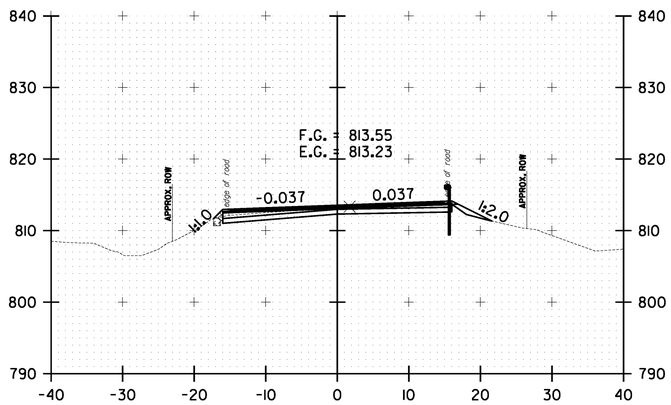
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

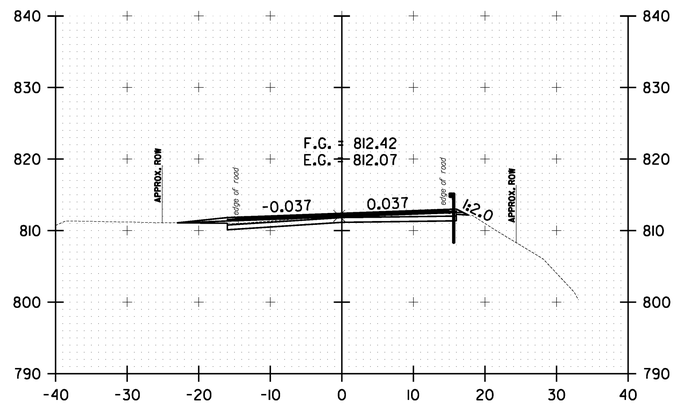
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs74.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 237 OF 310

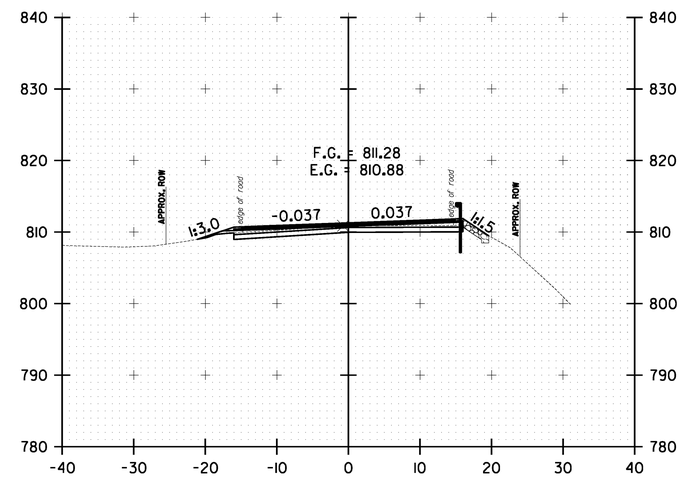
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



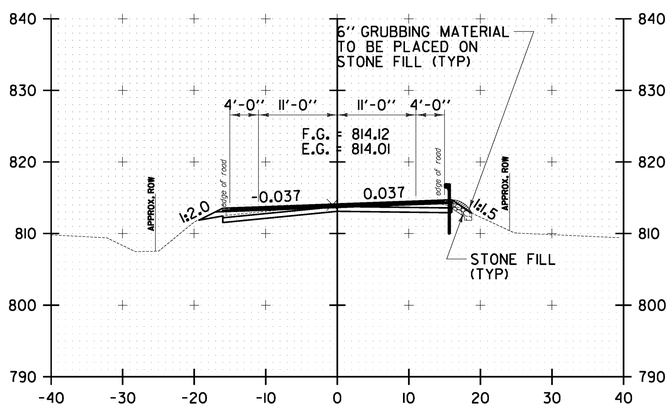
276+50.00



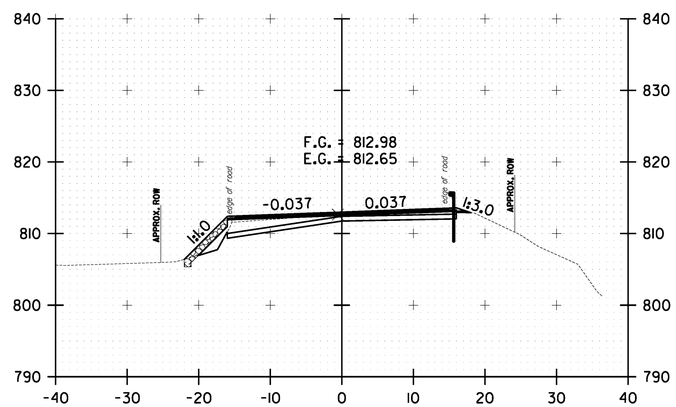
277+50.00



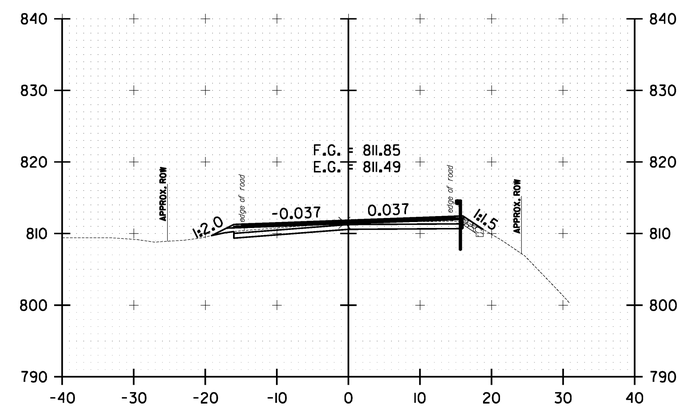
278+50.00



276+00.00



277+00.00



278+00.00

10 0 10
SCALE IN FEET

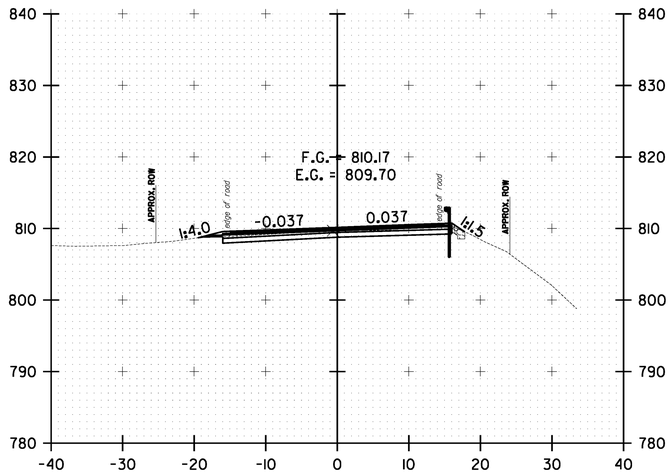
WARREN
CROSS SECTION
SHEET #75

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

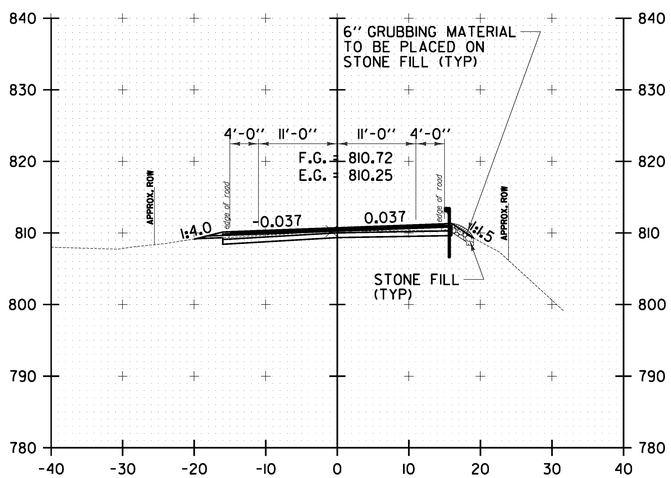
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs75.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 238 OF 310

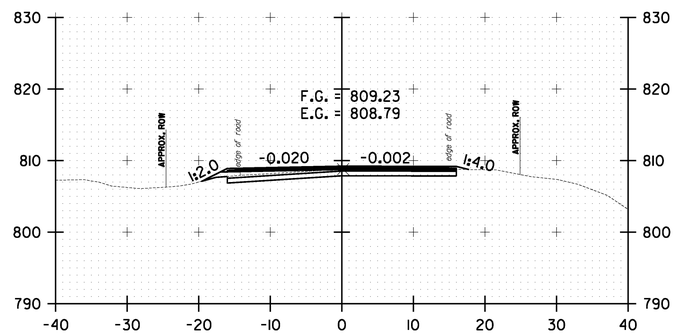
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



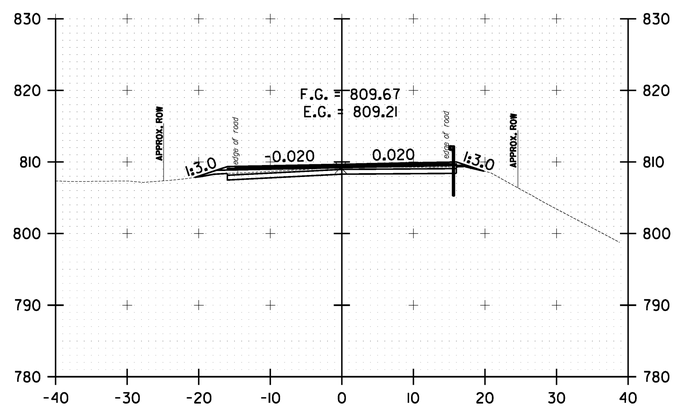
279+50.00



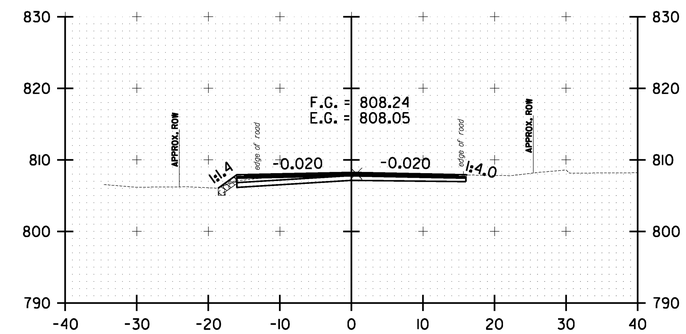
279+00.00



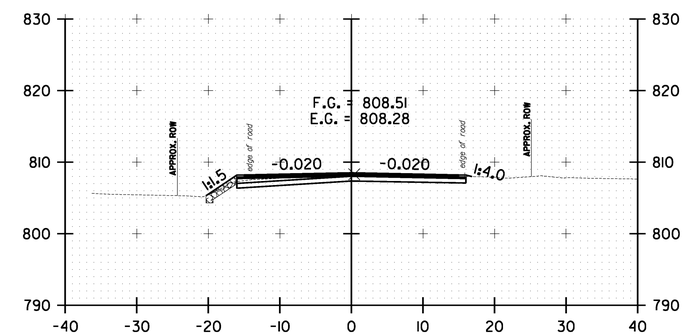
280+50.00



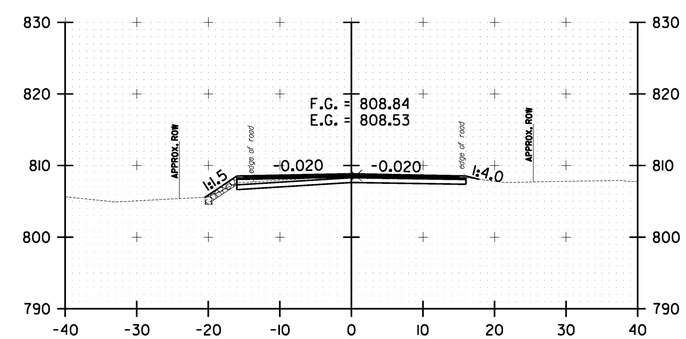
280+00.00



282+00.00



281+50.00



281+00.00

10 0 10
SCALE IN FEET

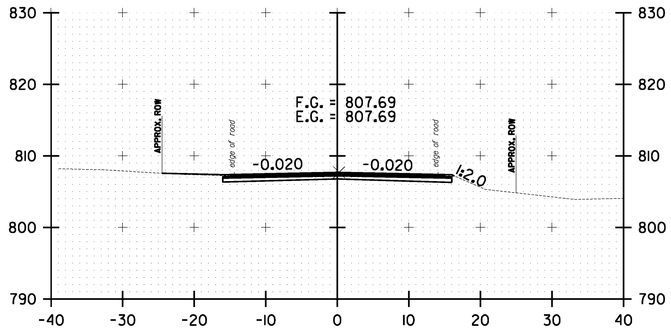
WARREN
CROSS SECTION
SHEET #76

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

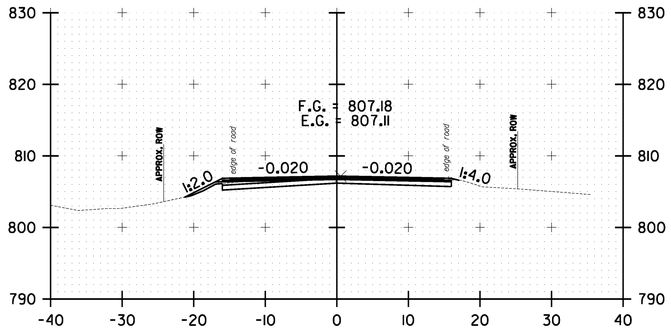
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs76.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 239 OF 310

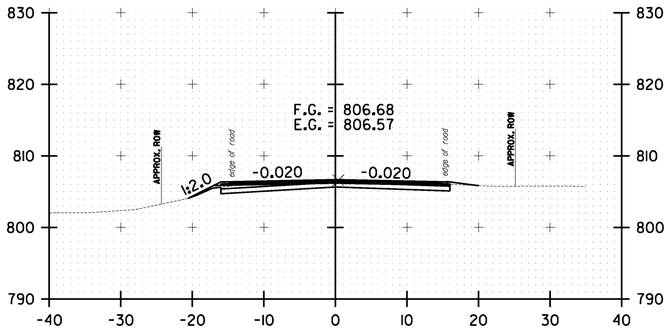
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



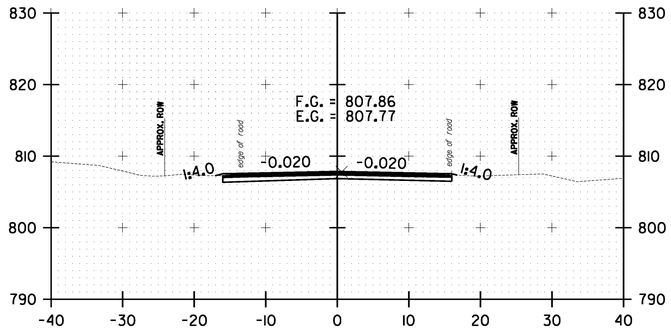
283+50.00



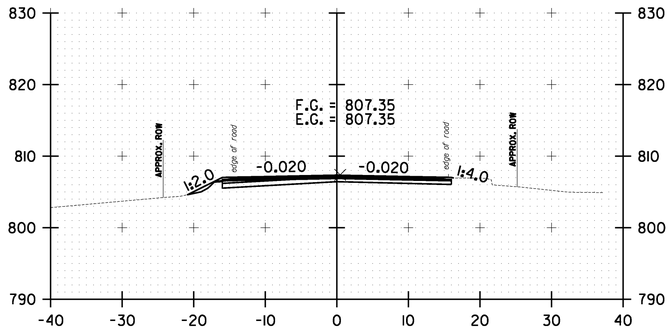
285+00.00



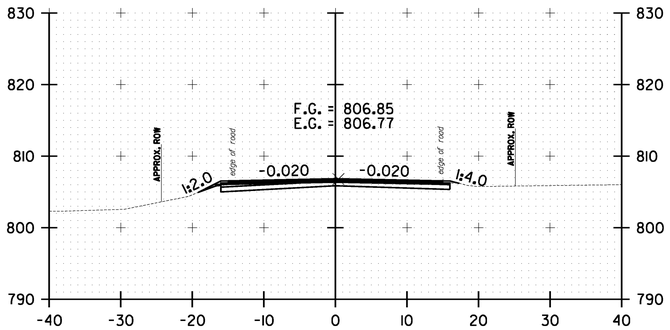
286+50.00



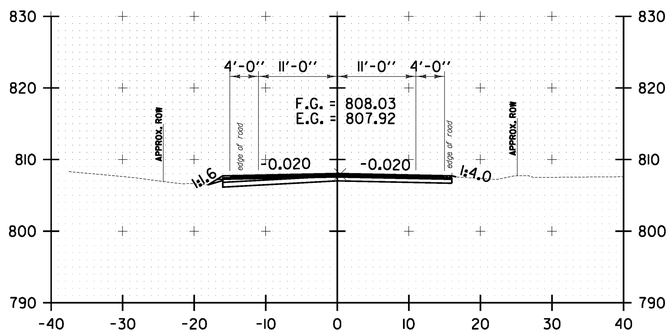
283+00.00



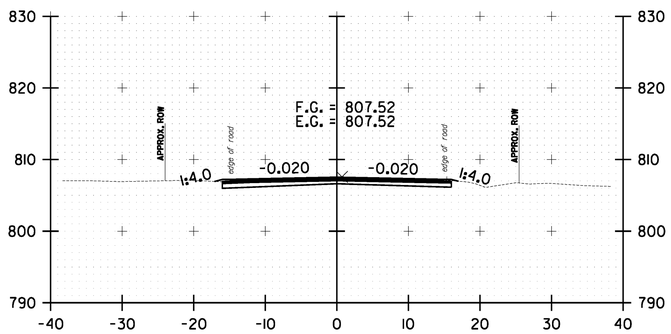
284+50.00



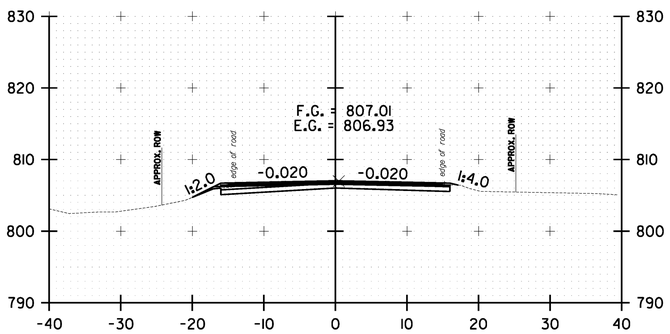
286+00.00



282+50.00



284+00.00



285+50.00

10 0 10
SCALE IN FEET

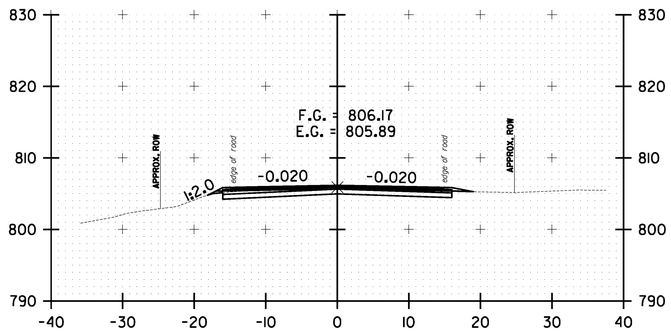
WARREN CROSS SECTION SHEET #77

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

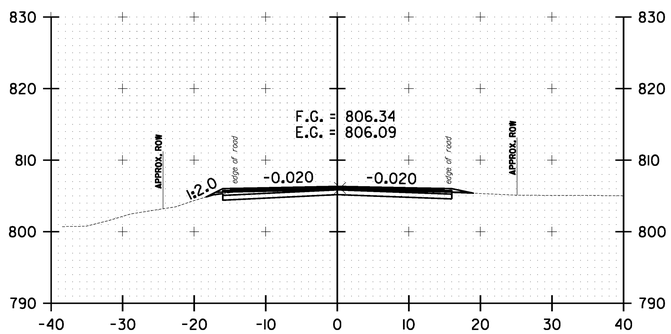
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs77.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 240 OF 310

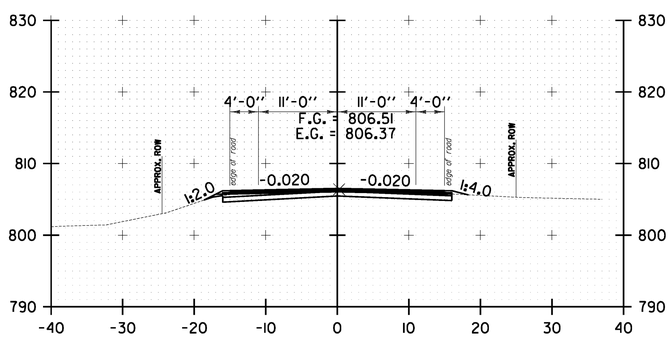
FILE NAME = U:\7762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4696



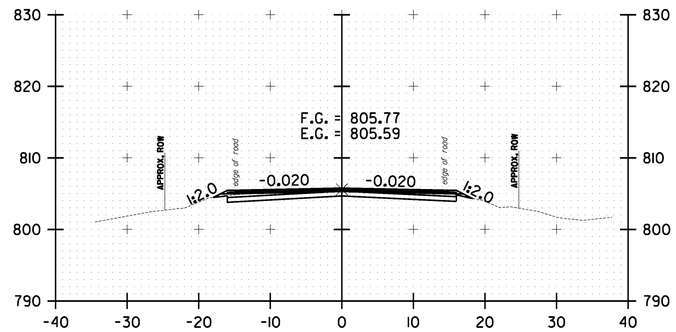
288+00.00



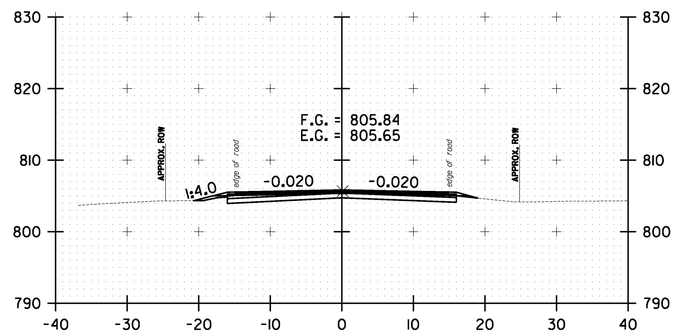
287+50.00



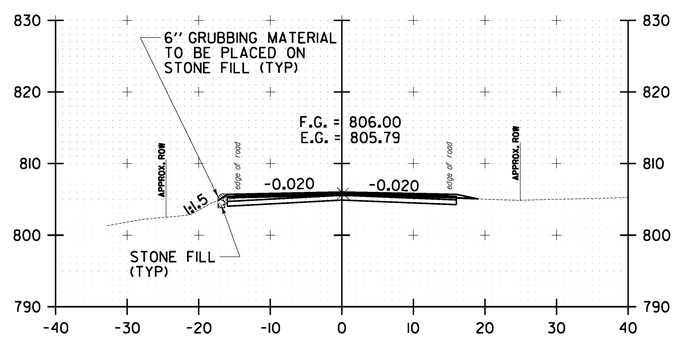
287+00.00



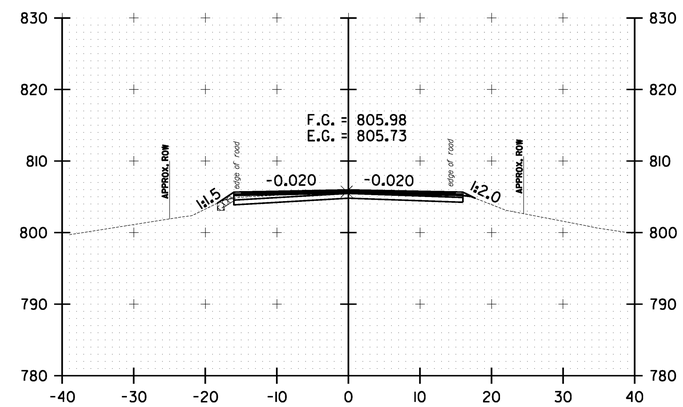
289+50.00



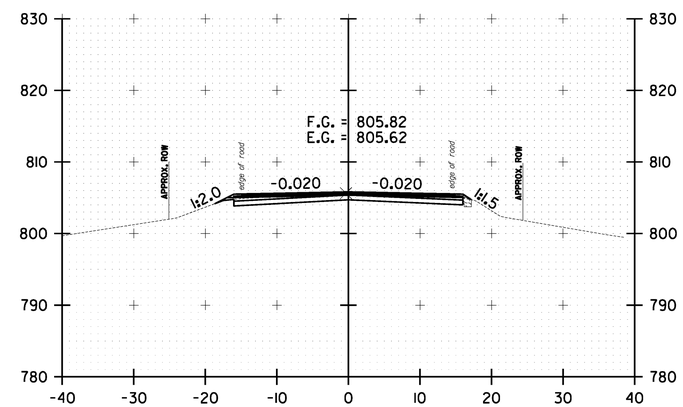
289+00.00



288+50.00



290+50.00



290+00.00

10 0 10
SCALE IN FEET

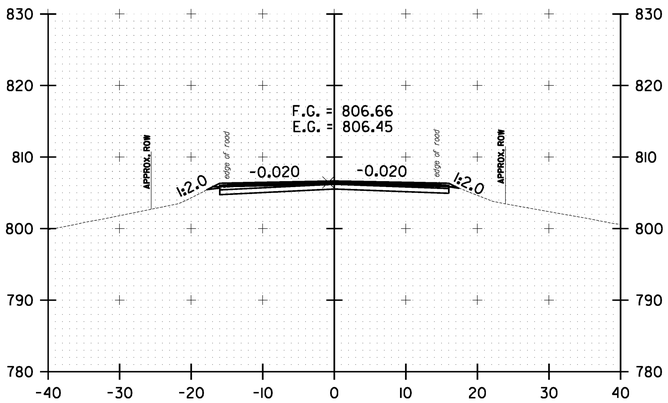
WARREN CROSS SECTION SHEET #78

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

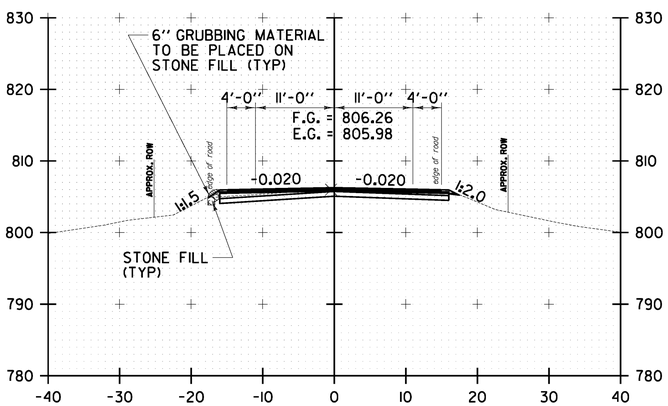
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs78.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 241 OF 310

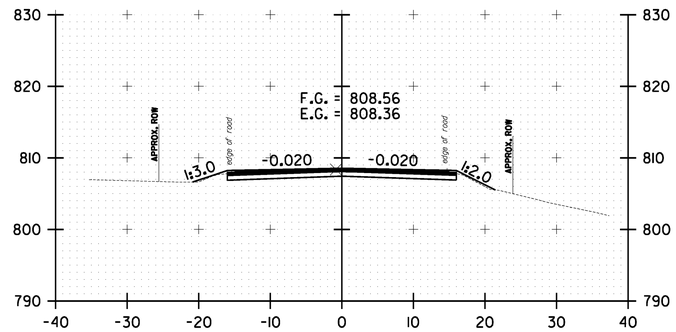
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



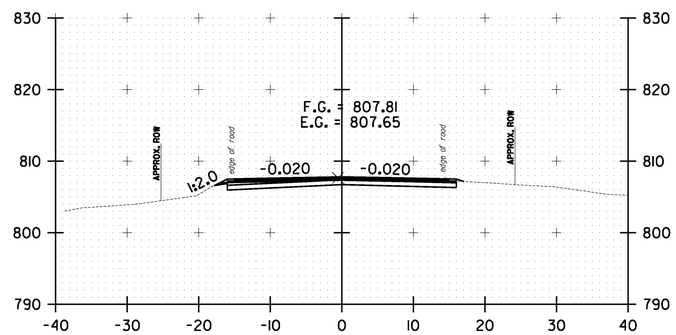
291+50.00



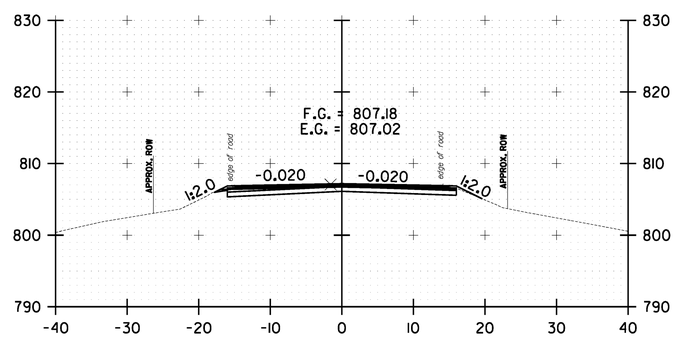
291+00.00



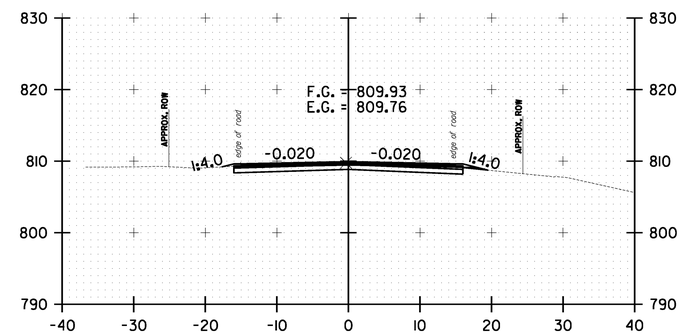
293+00.00



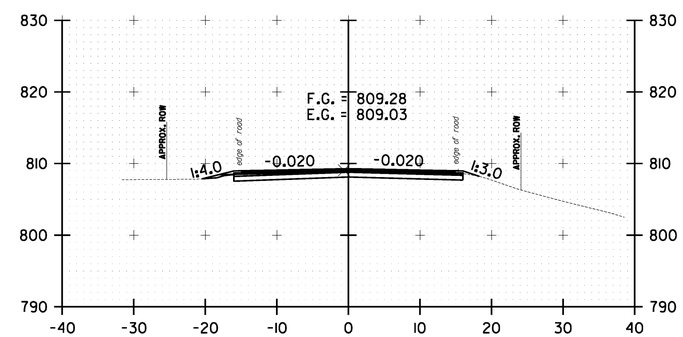
292+50.00



292+00.00



294+00.00



293+50.00

10 0 10
SCALE IN FEET

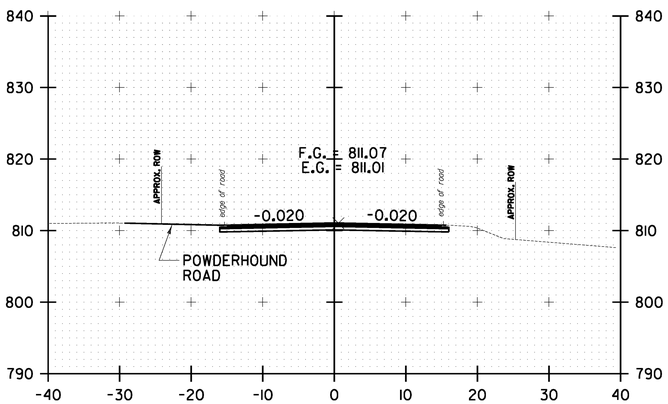
WARREN CROSS SECTION SHEET #79

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

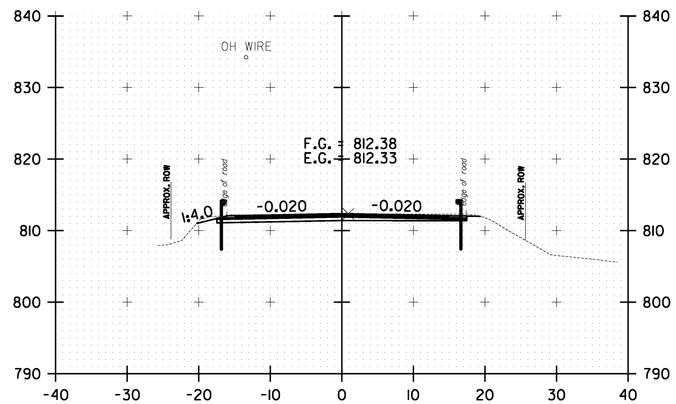
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs79.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 242 OF 310

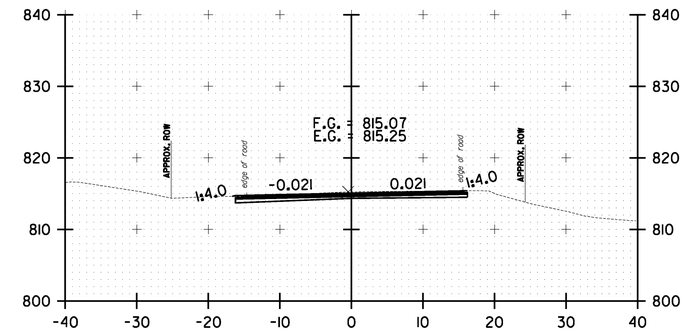
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



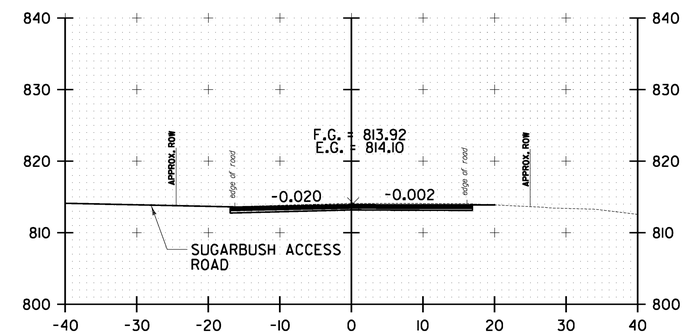
295+00.00



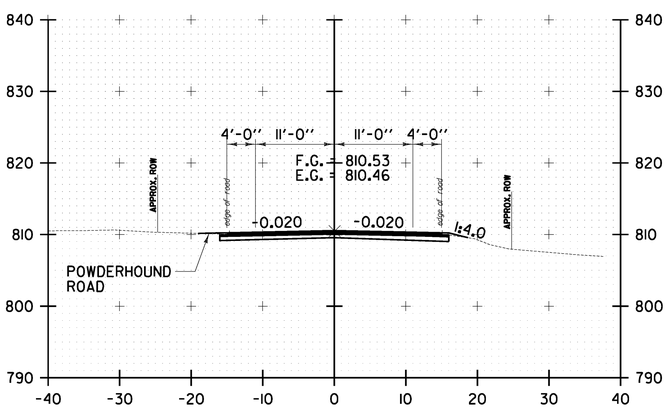
296+00.00



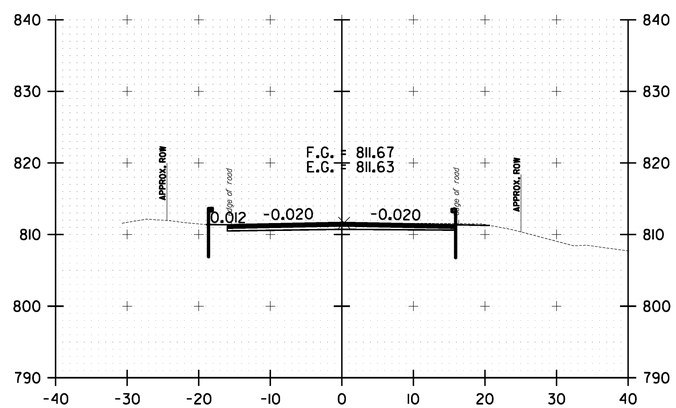
297+50.00



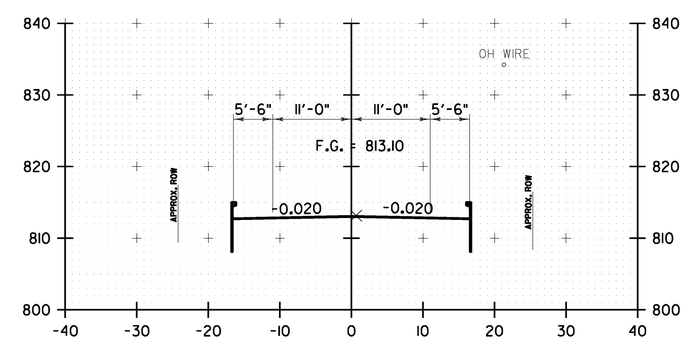
297+00.00



294+50.00



295+50.00



296+50.00

10 0 10
SCALE IN FEET

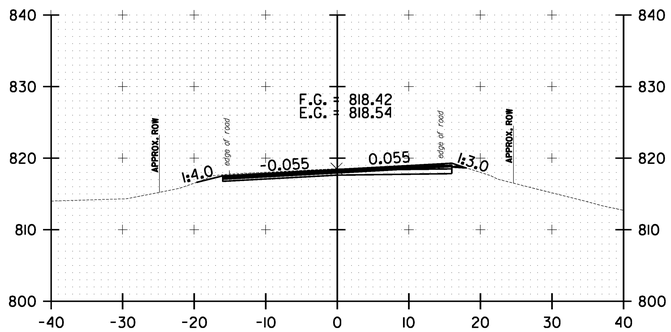
WARREN CROSS SECTION SHEET #80

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

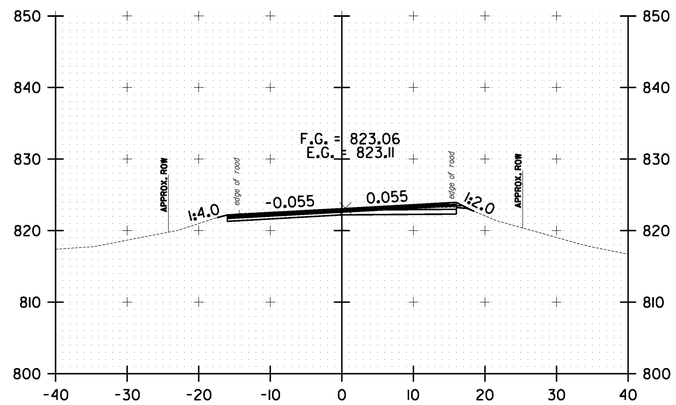
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs80.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 243 OF 310

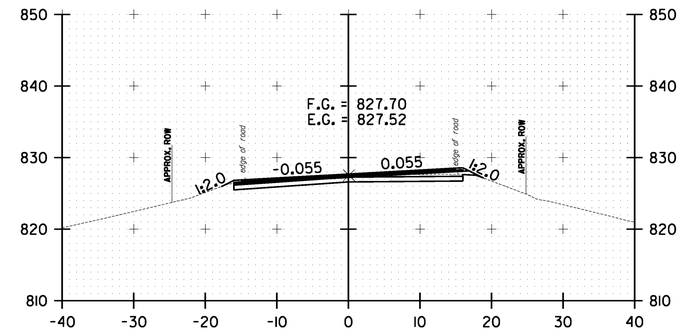
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



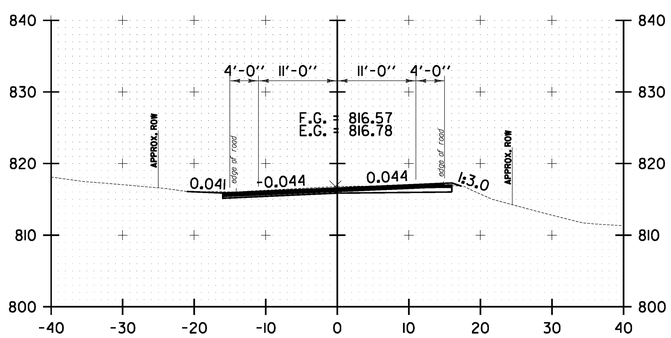
298+50.00



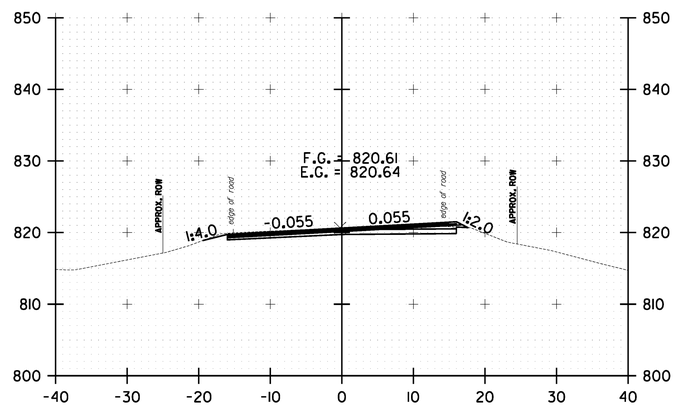
299+50.00



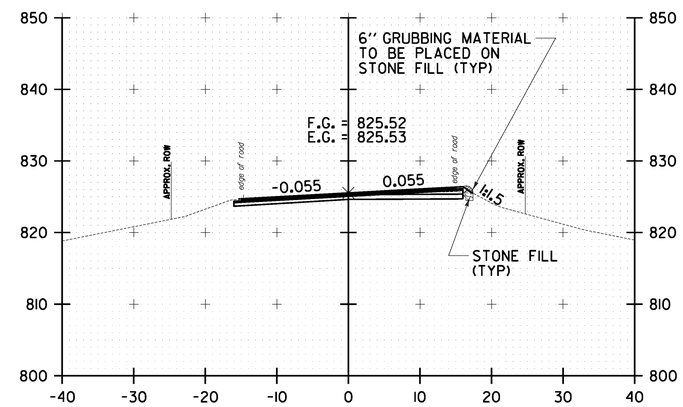
300+50.00



298+00.00



299+00.00



300+00.00

10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #81

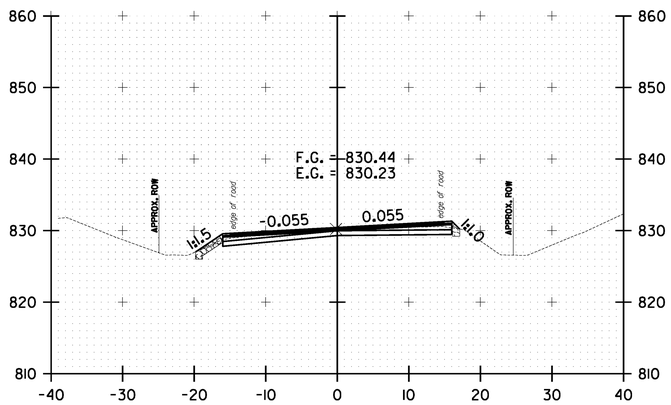
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

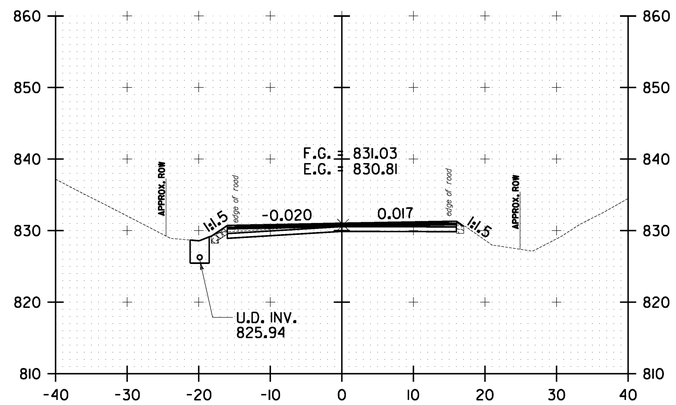
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs81.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 244 OF 310

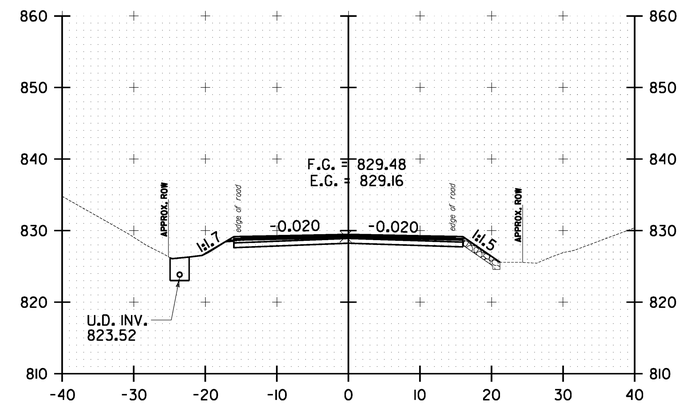
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



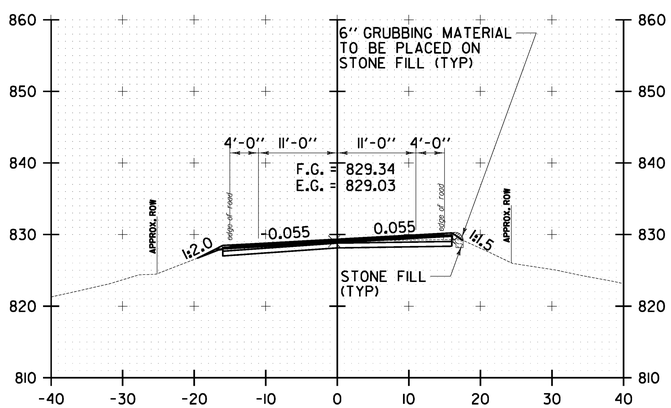
301+50.00



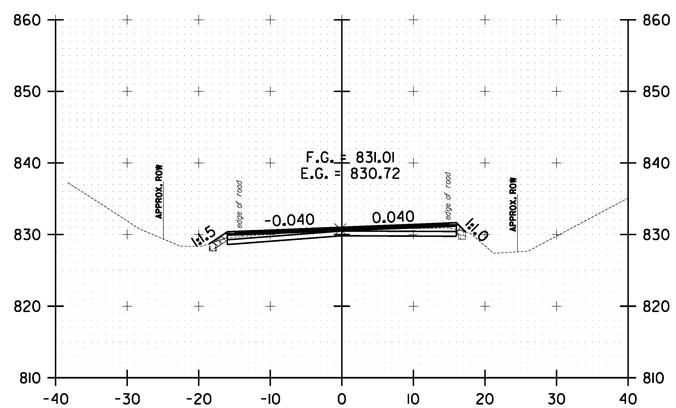
302+50.00



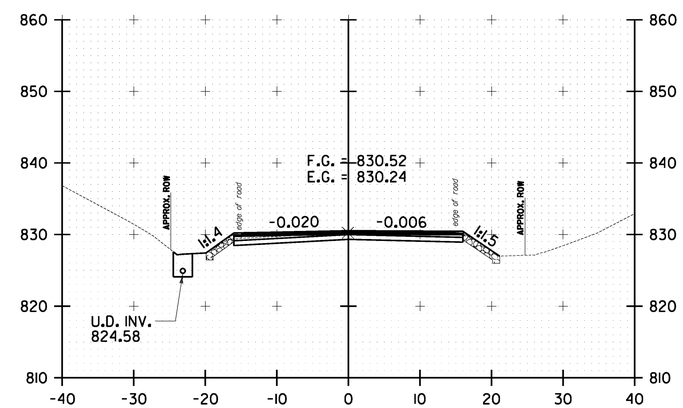
303+50.00



301+00.00



302+00.00



303+00.00

10 0 10
SCALE IN FEET

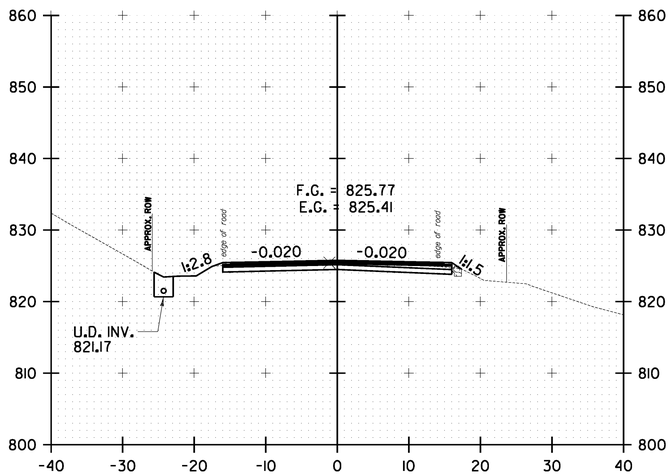
WARREN
CROSS SECTION
SHEET #82

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

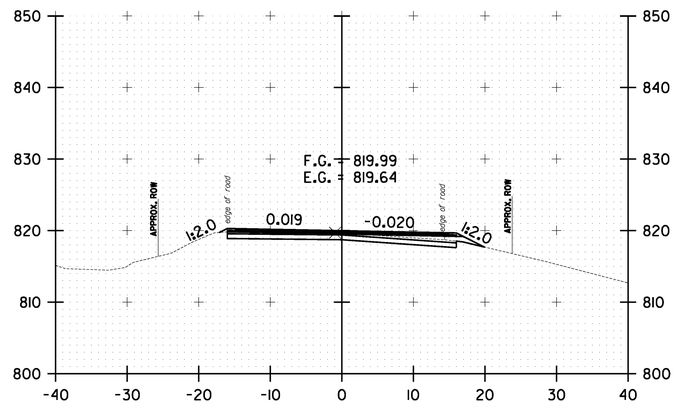
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs82.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 245 OF 310

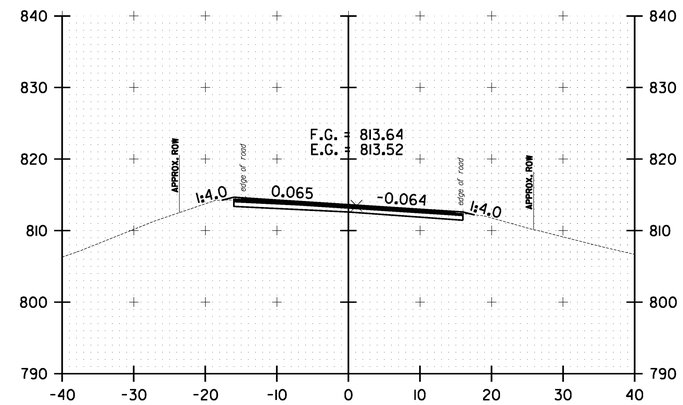
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



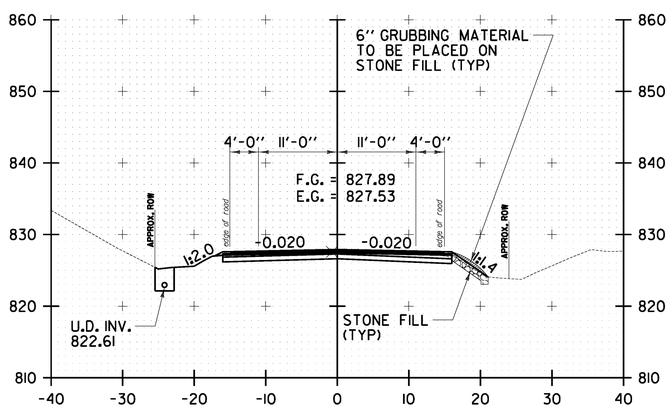
304+50.00



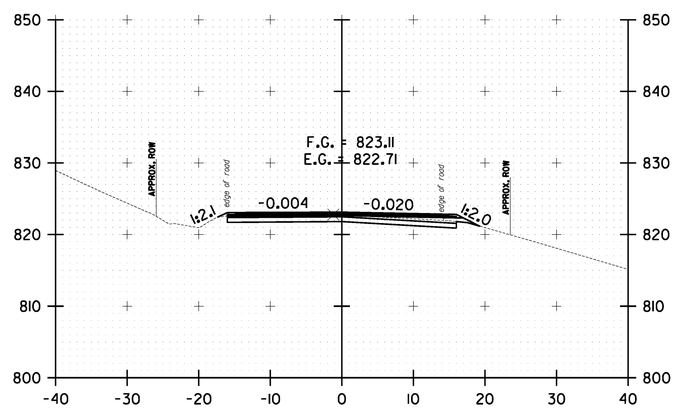
305+50.00



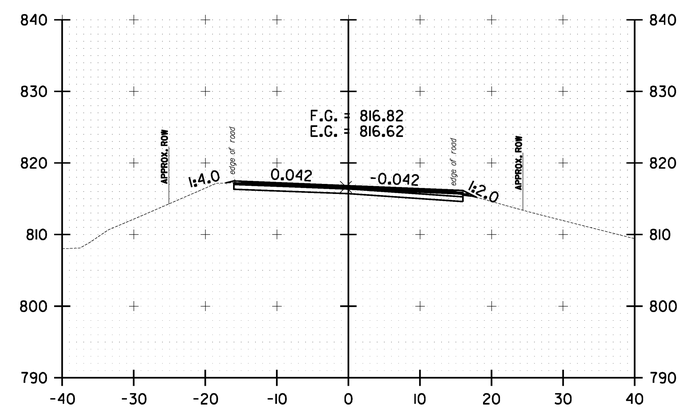
306+50.00



304+00.00



305+00.00



306+00.00

10 0 10
SCALE IN FEET

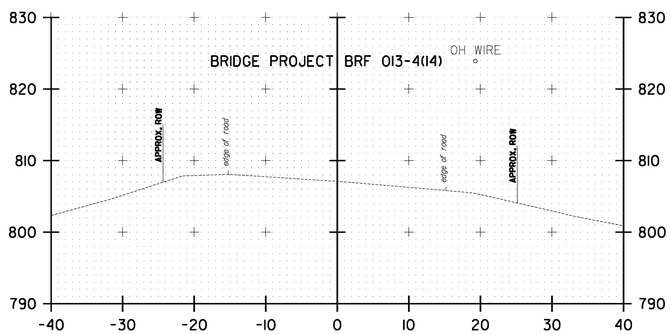
WARREN CROSS SECTION SHEET #83

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

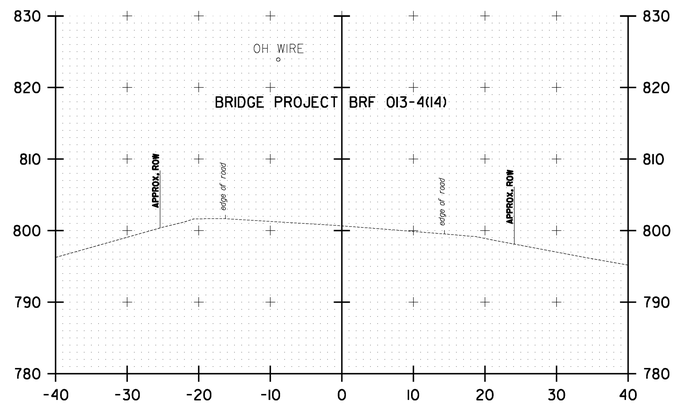
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs83.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 246 OF 310

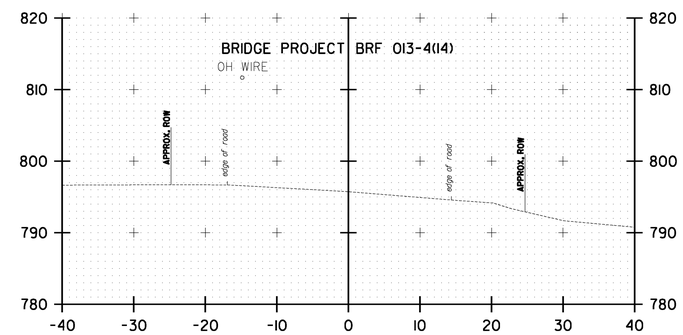
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



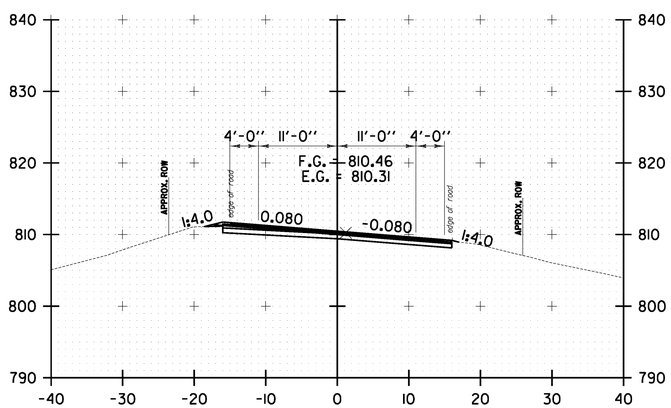
307+50.00



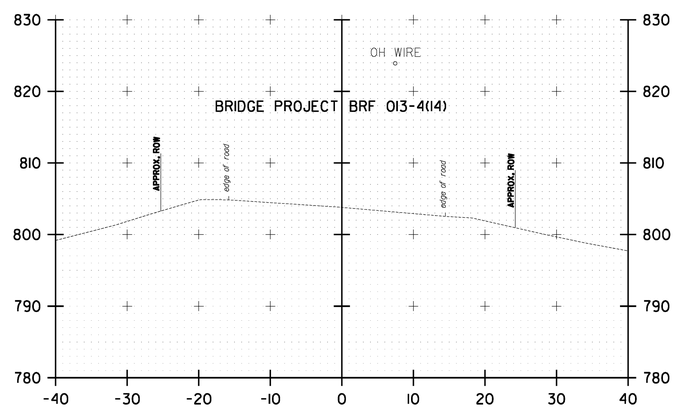
308+50.00



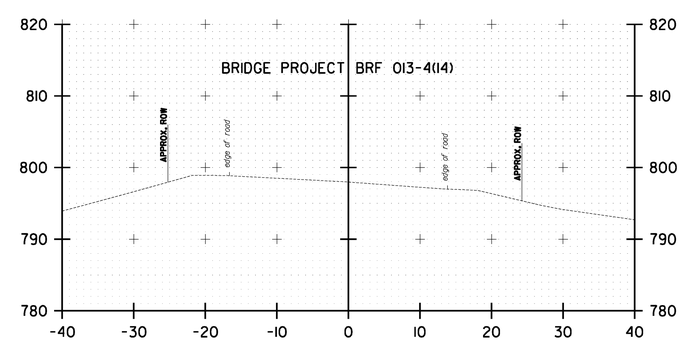
309+50.00



307+00.00



308+00.00



309+00.00

10 0 10
SCALE IN FEET

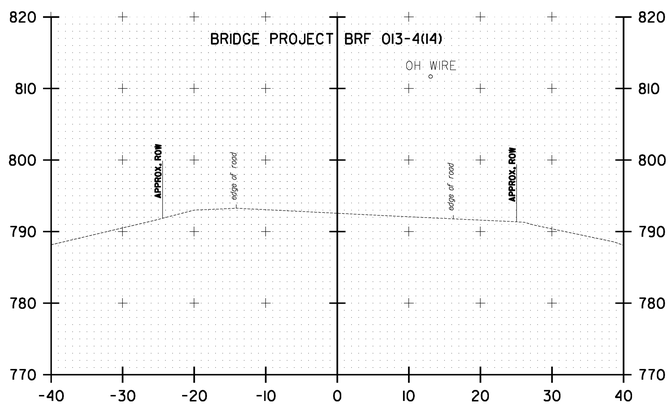
WARREN CROSS SECTION SHEET #84

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

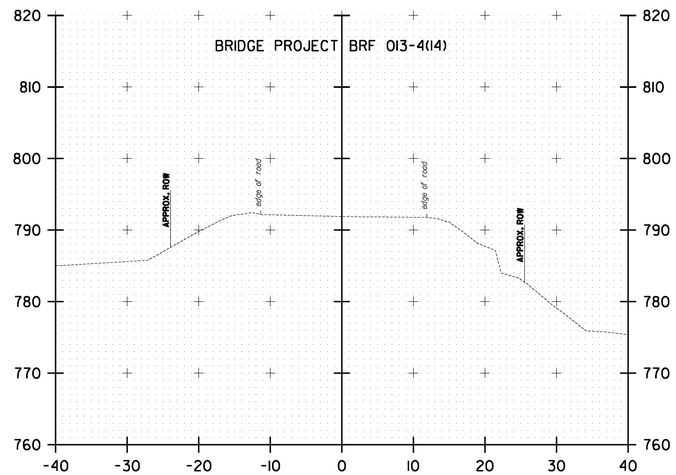
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs84.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 247 OF 310

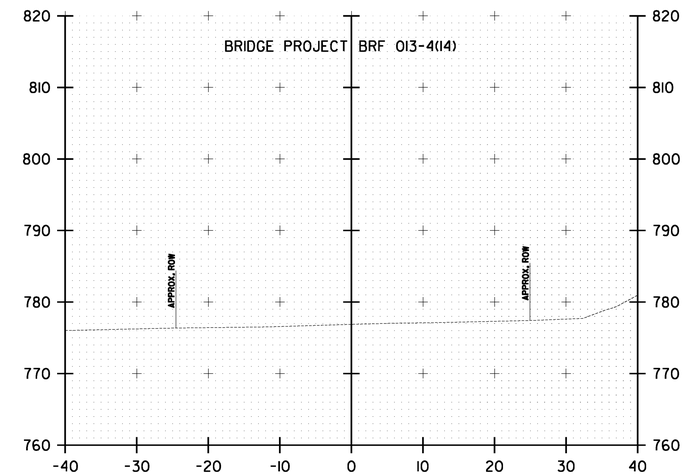
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



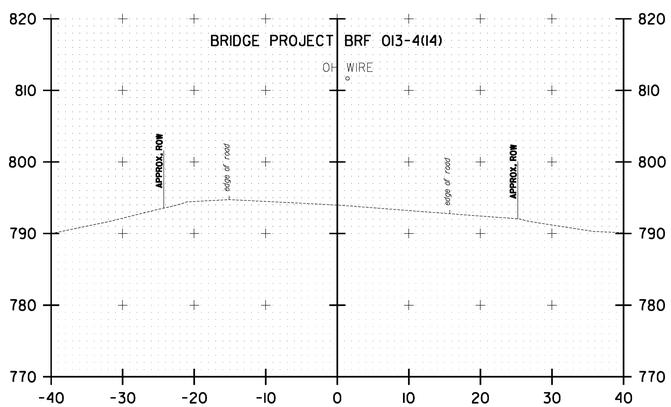
310+50.00



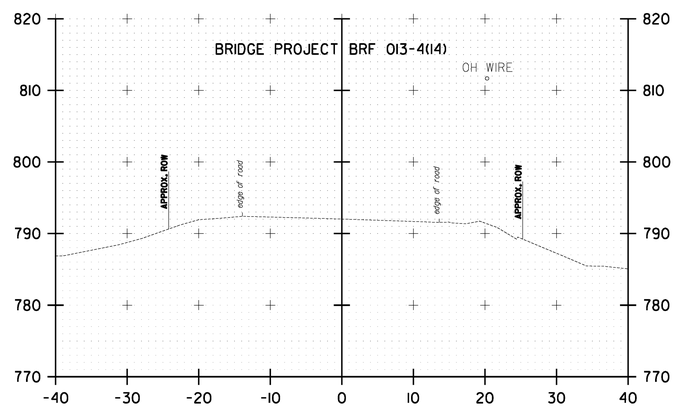
311+50.00



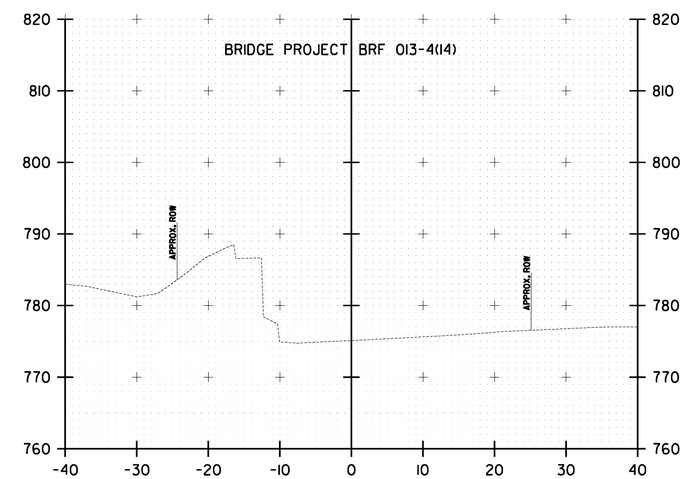
312+50.00



310+00.00



311+00.00



312+00.00

10 0 10
SCALE IN FEET

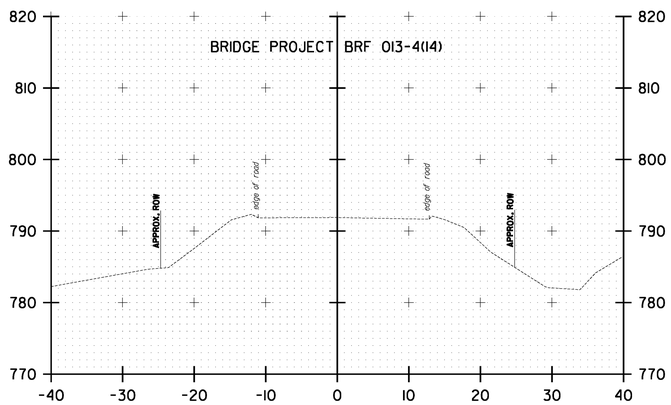
WARREN CROSS SECTION SHEET #85

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

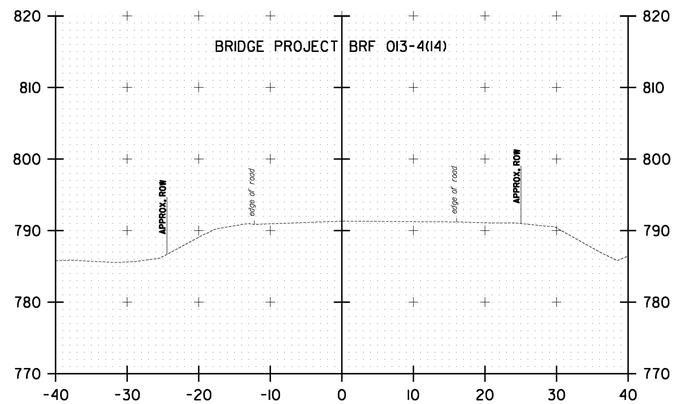
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs85.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 248 OF 310

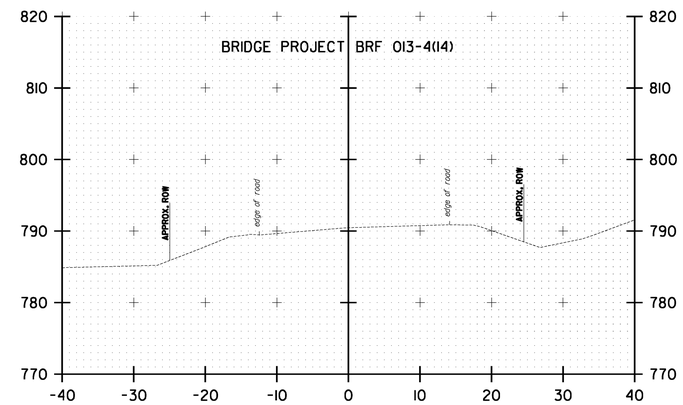
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



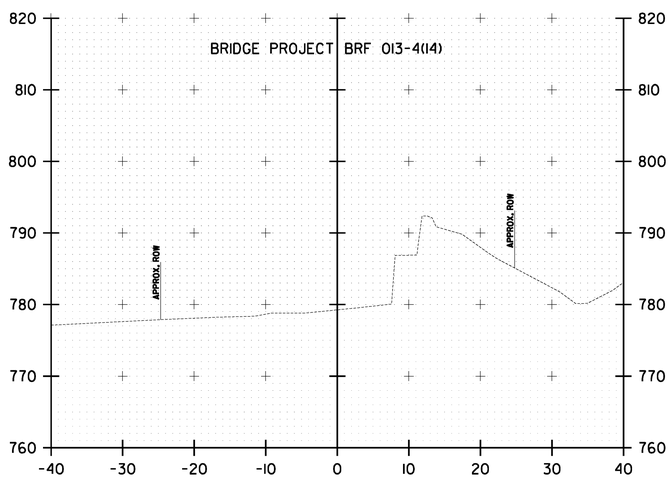
313+50.00



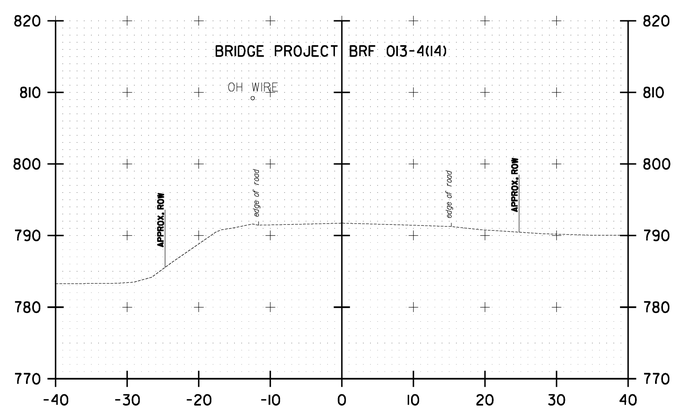
314+50.00



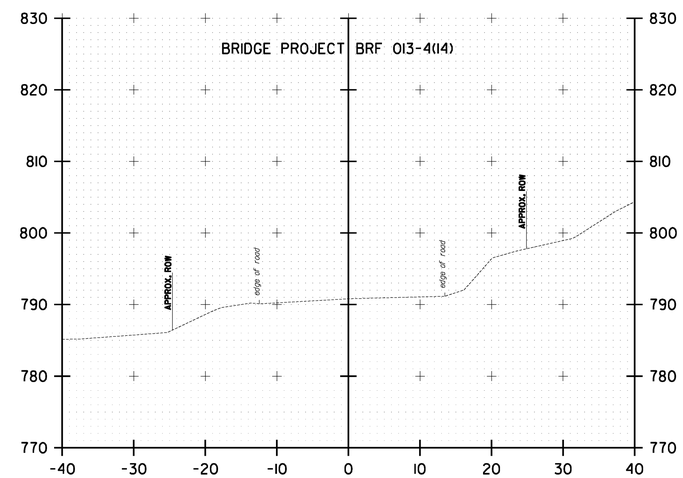
315+50.00



313+00.00



314+00.00



315+00.00

10 0 10
SCALE IN FEET

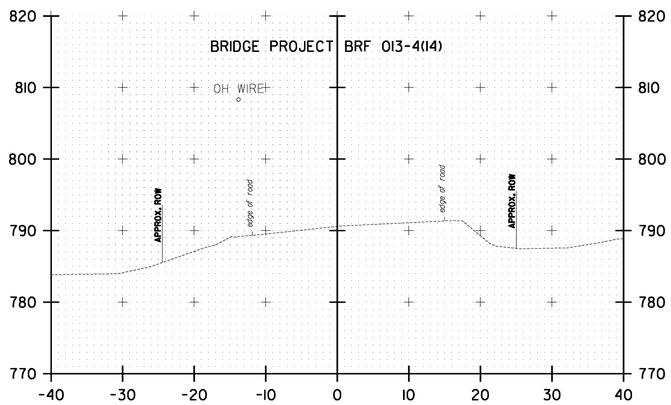
WARREN CROSS SECTION SHEET #86

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

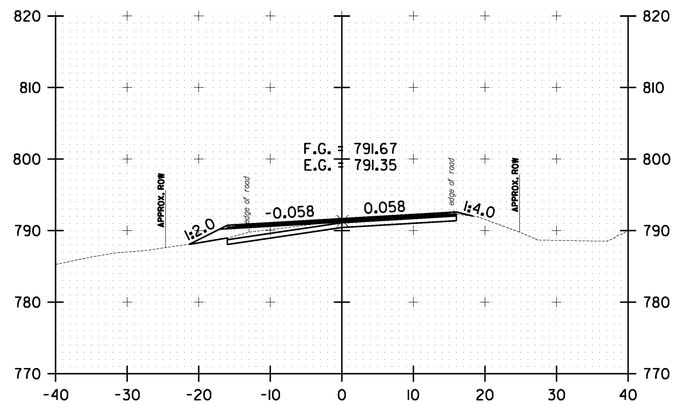
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs86.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 249 OF 310

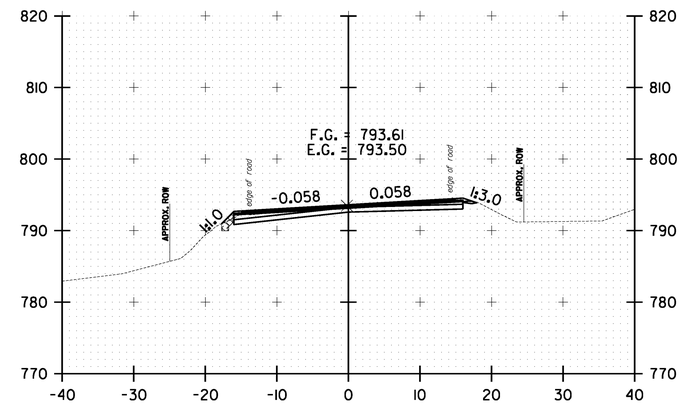
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14065



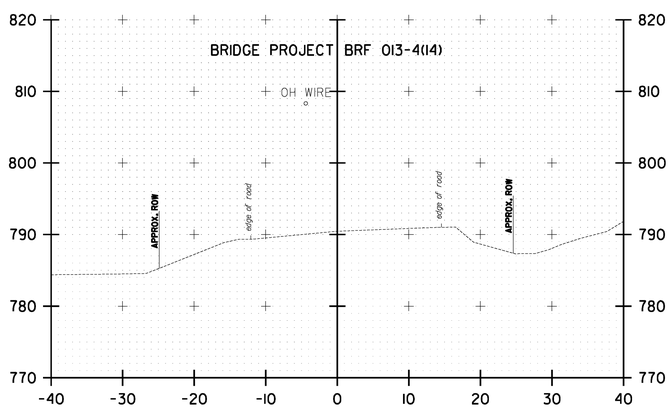
316+50.00



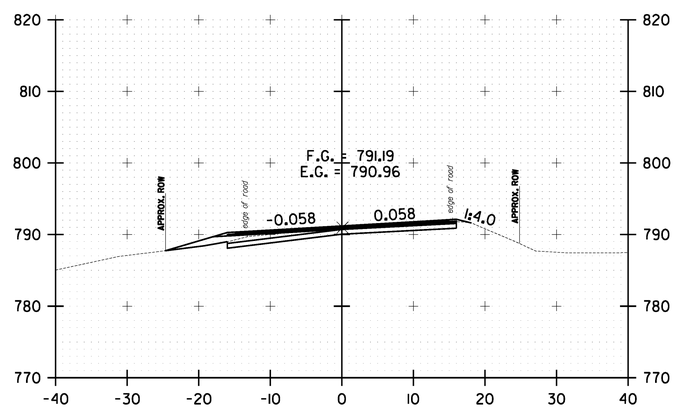
317+50.00



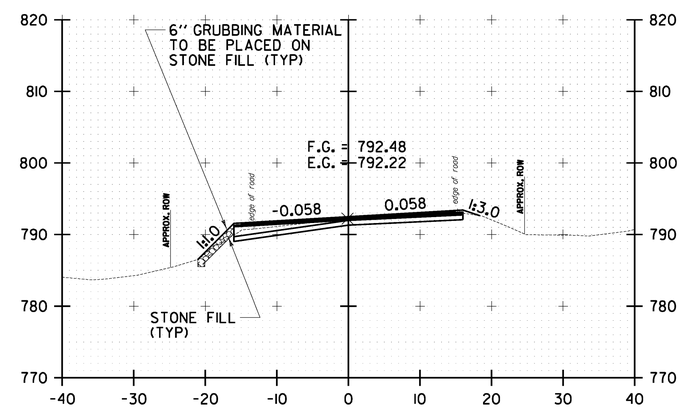
318+50.00



316+00.00



317+00.00



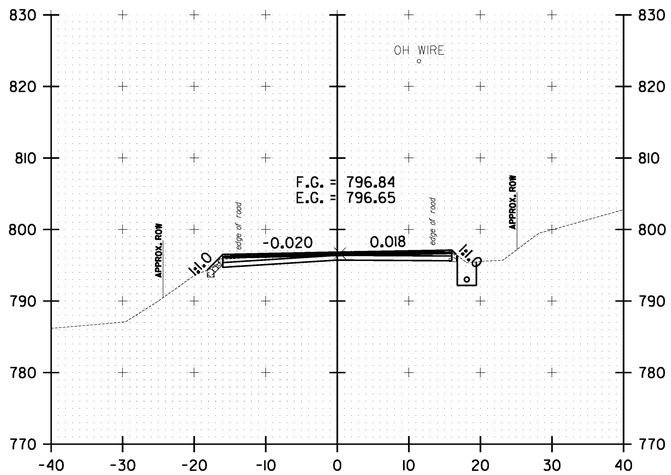
318+00.00

10 0 10
SCALE IN FEET

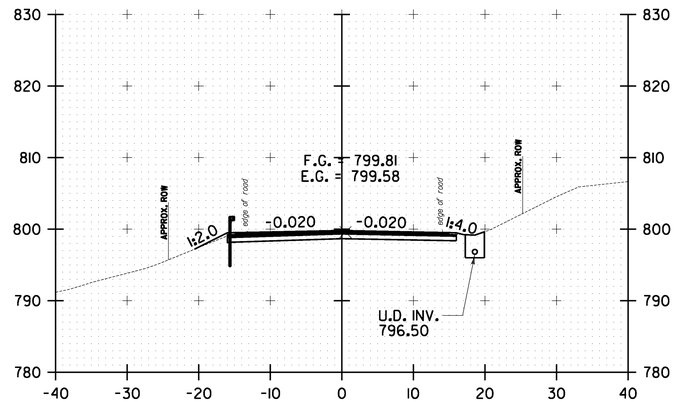
WARREN
CROSS SECTION
SHEET #87

PROJECT NAME: WARREN-WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs87.i	SHEET 250 OF 310

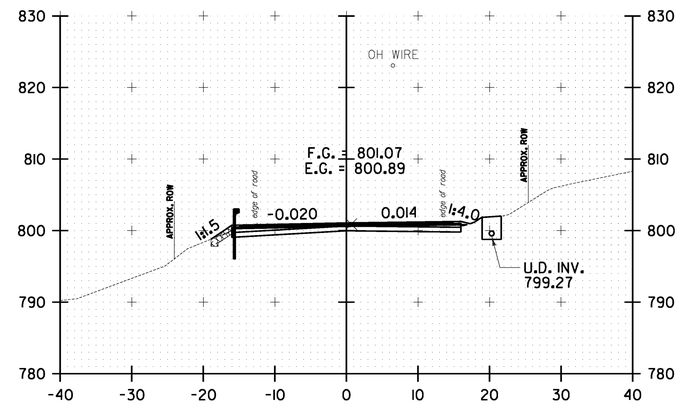
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



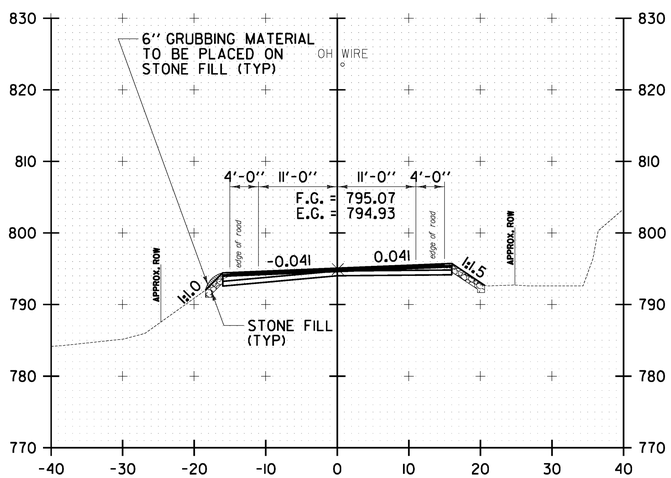
319+50.00



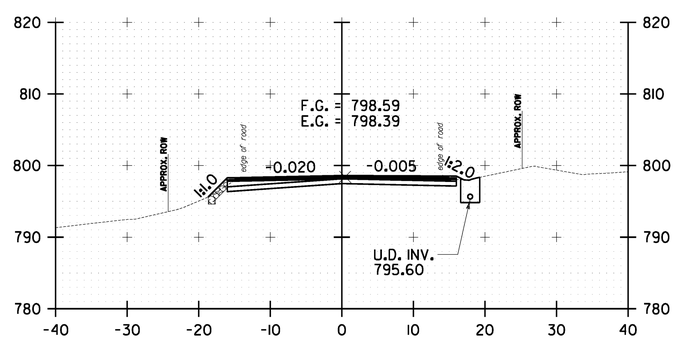
320+50.00



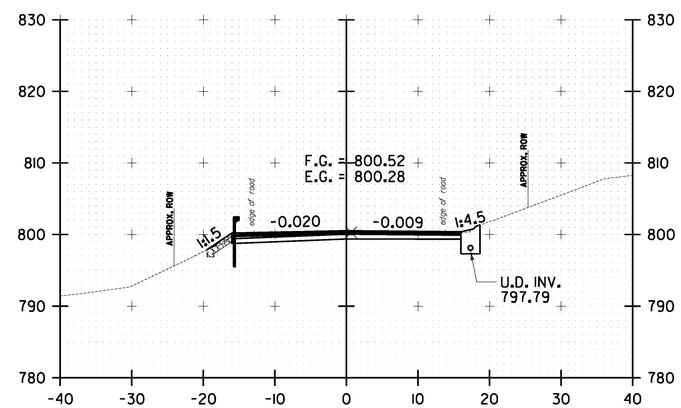
321+50.00



319+00.00



320+00.00



321+00.00

10 0 10
SCALE IN FEET

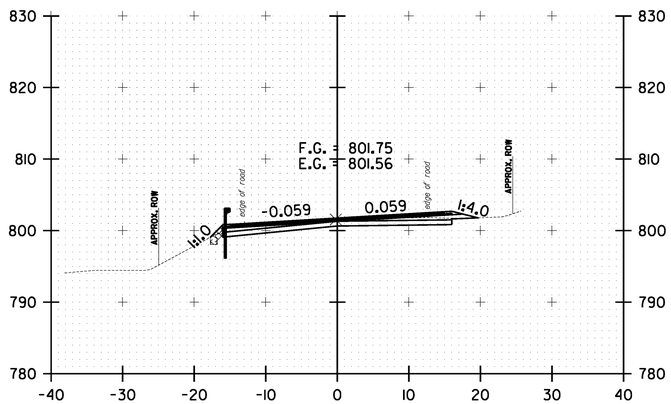
WARREN CROSS SECTION SHEET #88

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

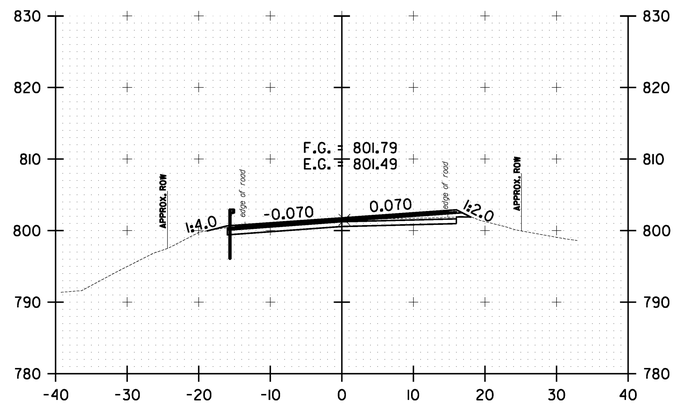
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs88.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 251 OF 310

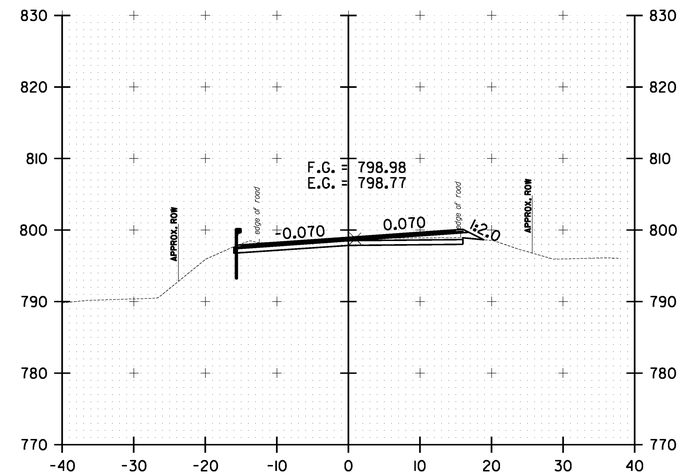
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066



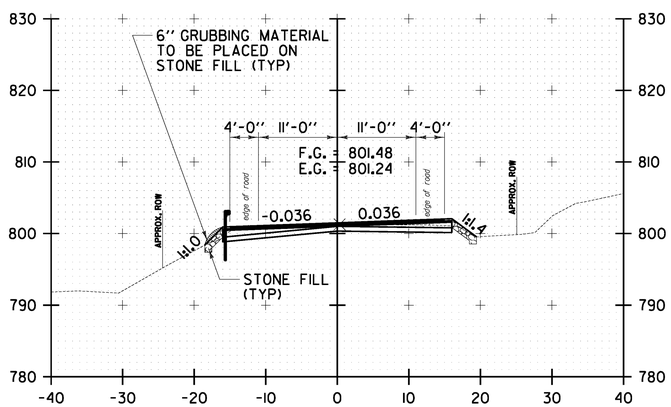
322+50.00



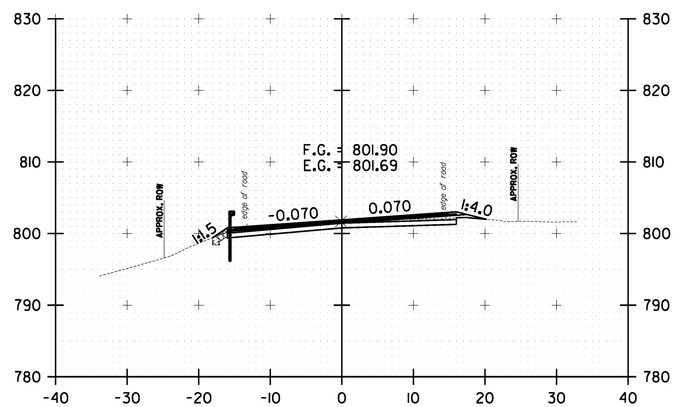
323+50.00



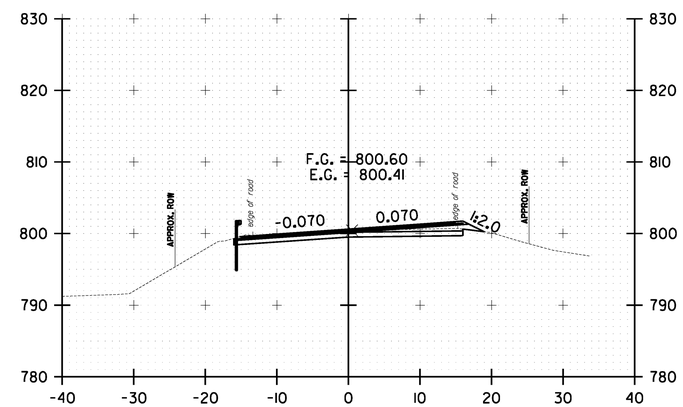
324+50.00



322+00.00



323+00.00



324+00.00

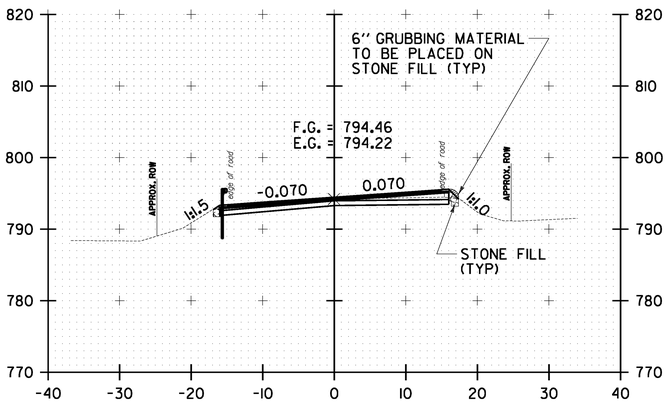
10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #89

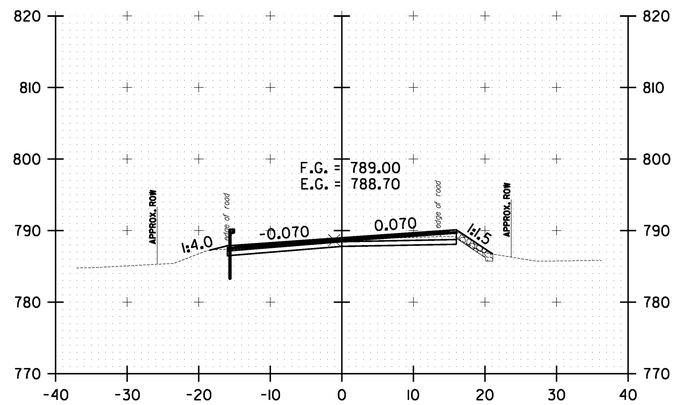
PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs89.i	SHEET 252 OF 310

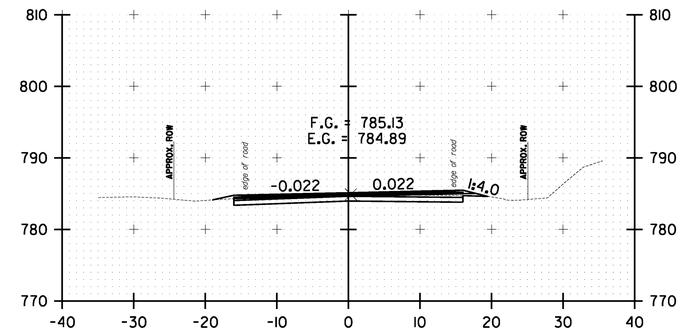
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



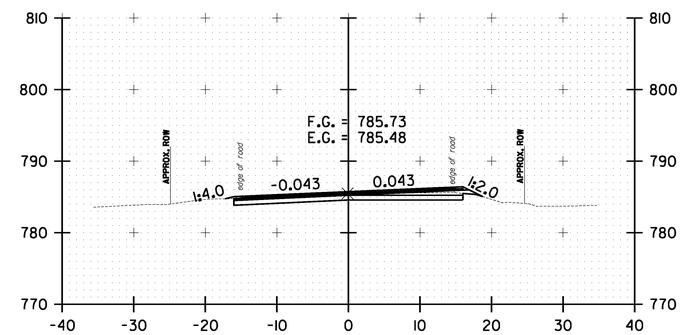
325+50.00



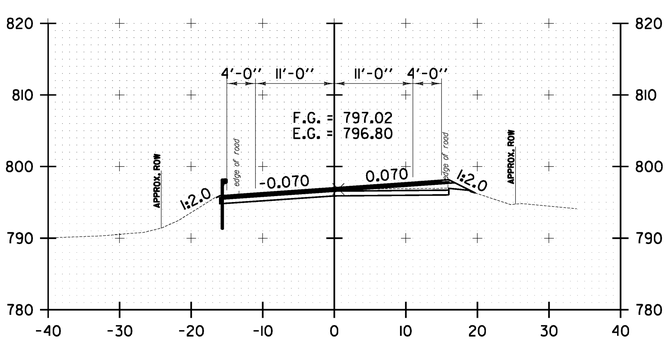
326+50.00



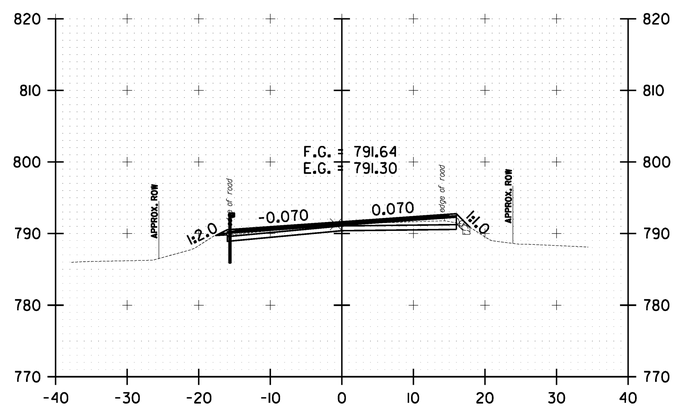
328+00.00



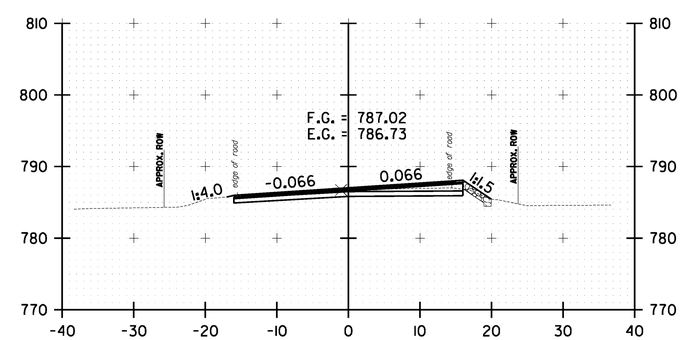
327+50.00



325+00.00



326+00.00



327+00.00

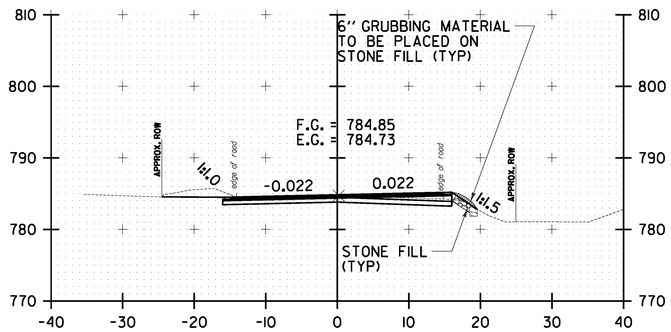
10 0 10
SCALE IN FEET

WARREN CROSS SECTION SHEET #90

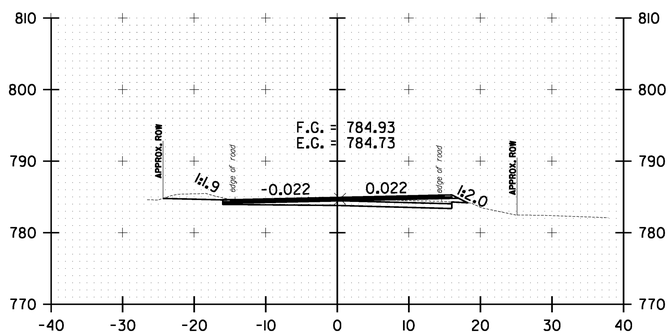
PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048xs90.i	SHEET 253 OF 310

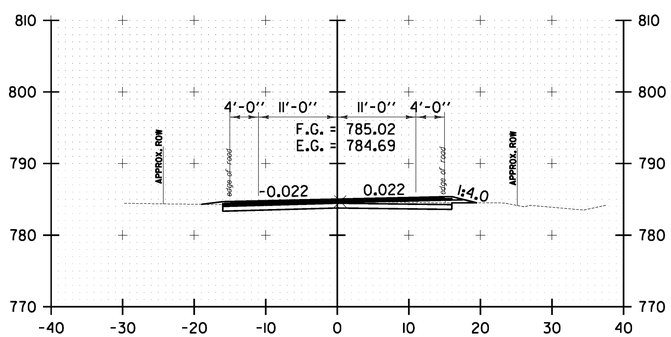
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



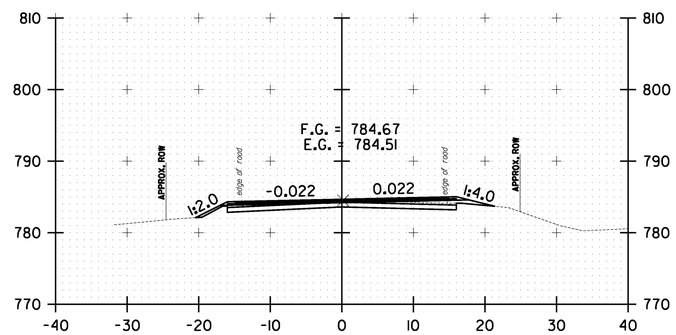
329+50.00



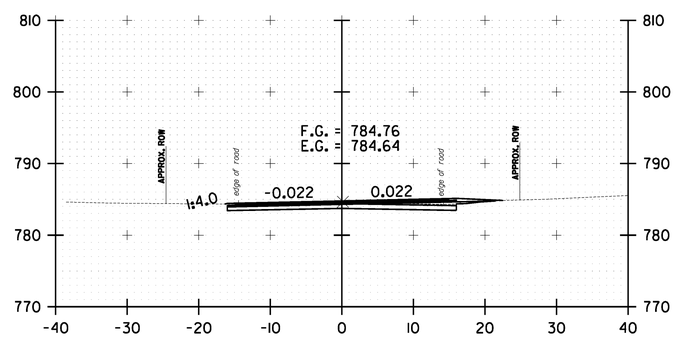
329+00.00



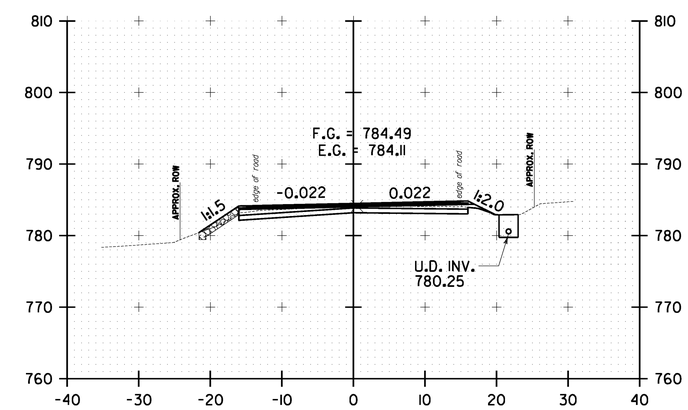
328+50.00



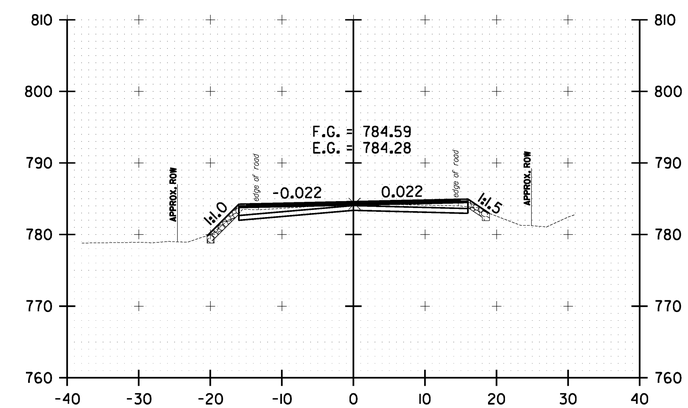
330+50.00



330+00.00



331+50.00



331+00.00

10 0 10
SCALE IN FEET

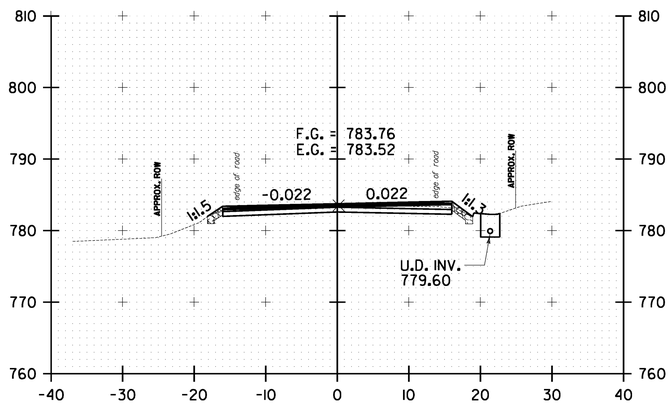
WARREN CROSS SECTION SHEET #91

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

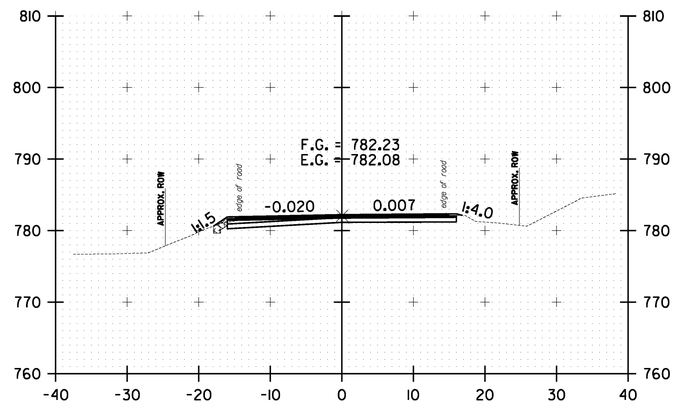
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs91.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 254 OF 310

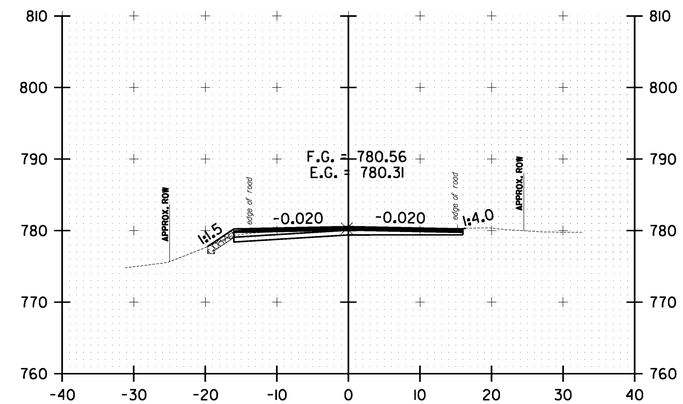
FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



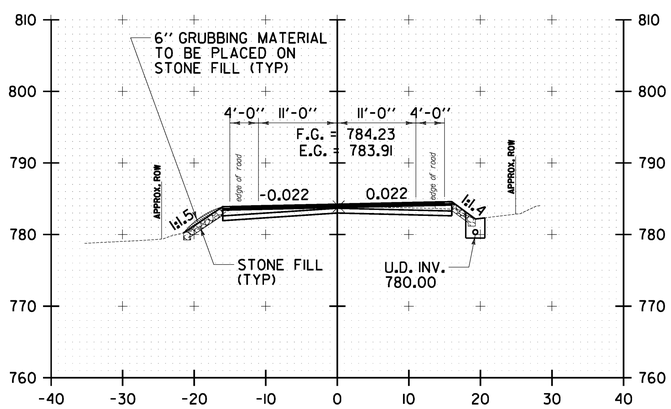
332+50.00



333+50.00



334+50.00



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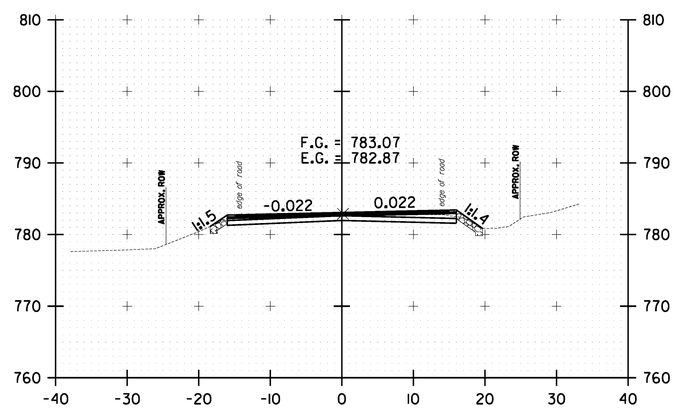

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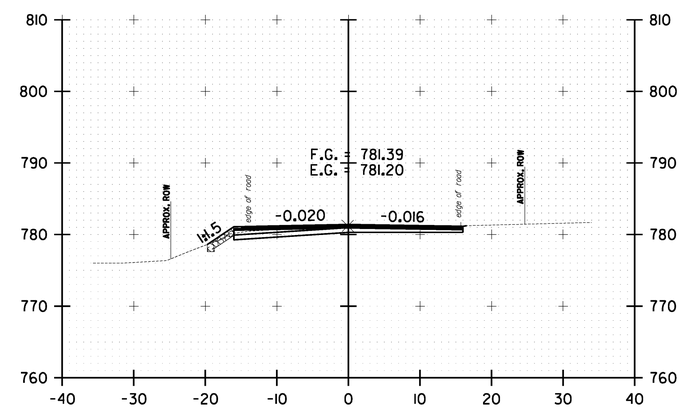


334+00.00

10 0 10
SCALE IN FEET

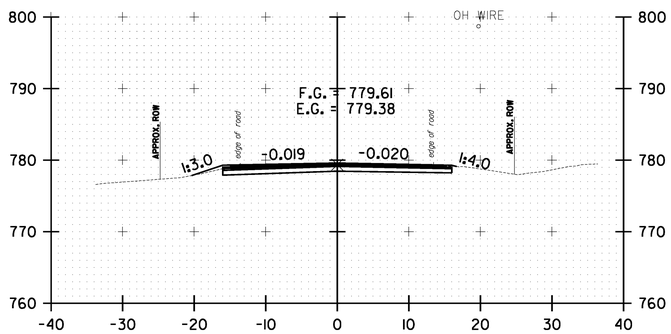
WARREN
CROSS SECTION
SHEET #92

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

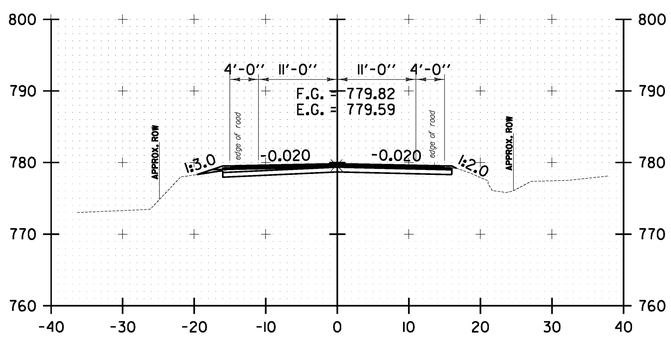
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs92.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 255 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



335+17.05



335+00.00

10 0 10
SCALE IN FEET

WARREN
CROSS SECTION
SHEET #93

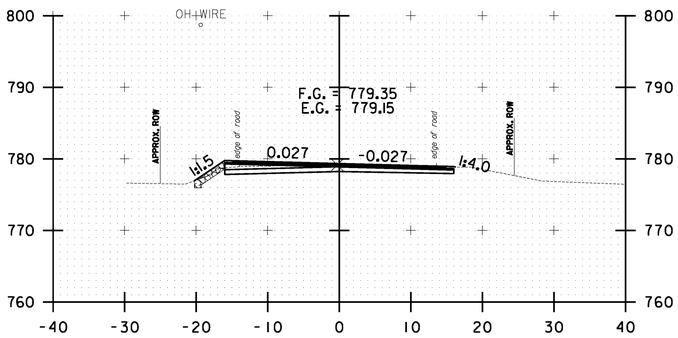
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

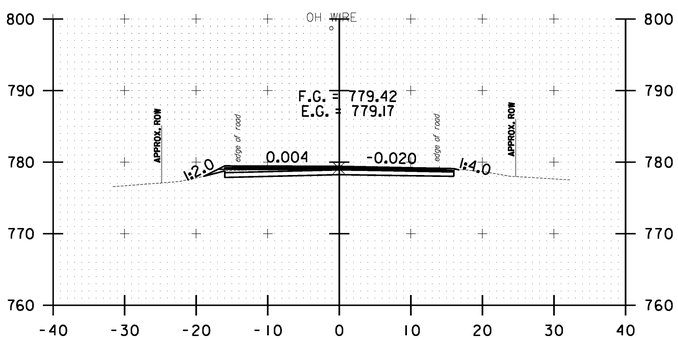
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs93.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 256 OF 310

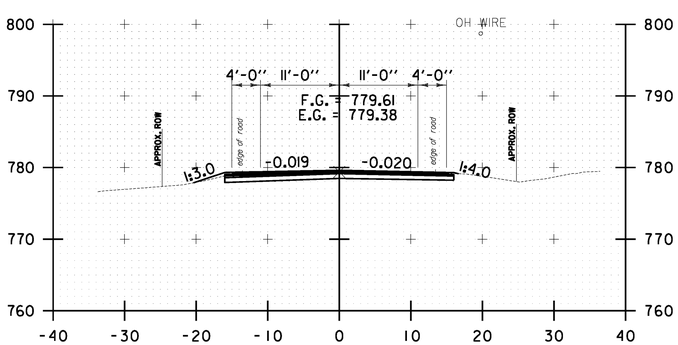
FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



1+00.00



0+50.00



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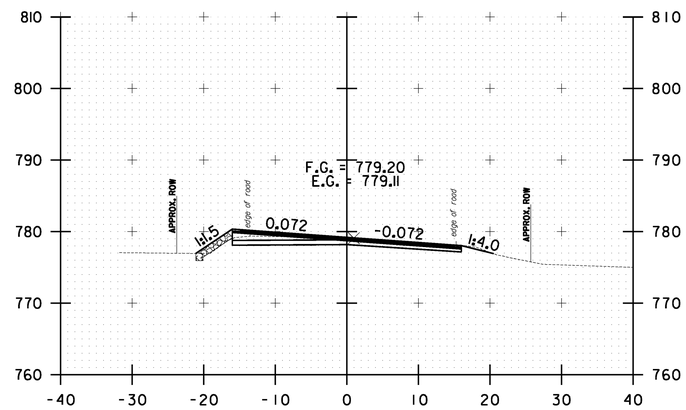

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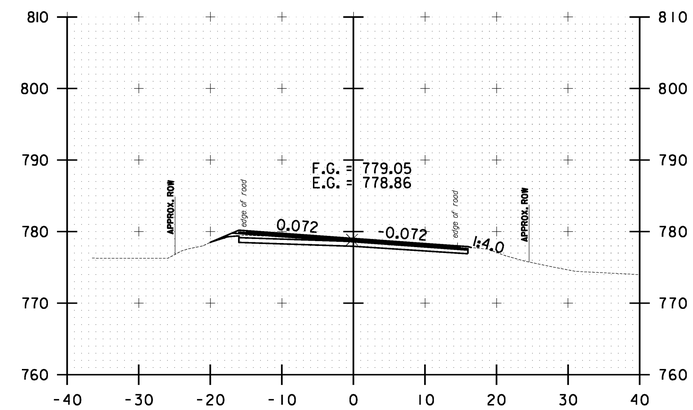
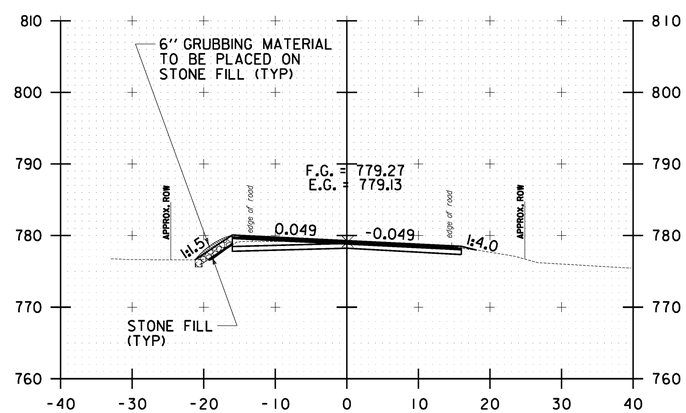


3+00.00



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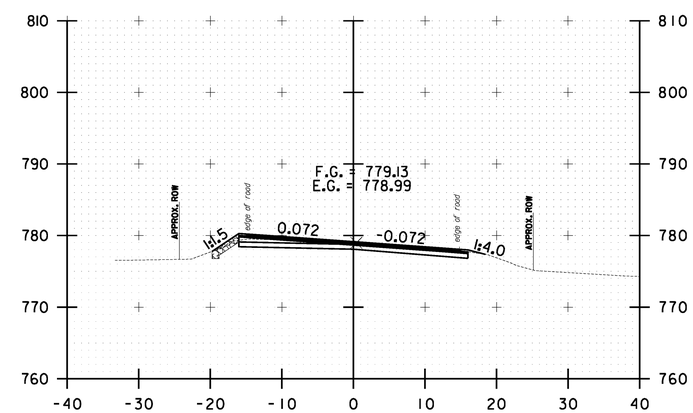


2+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #1

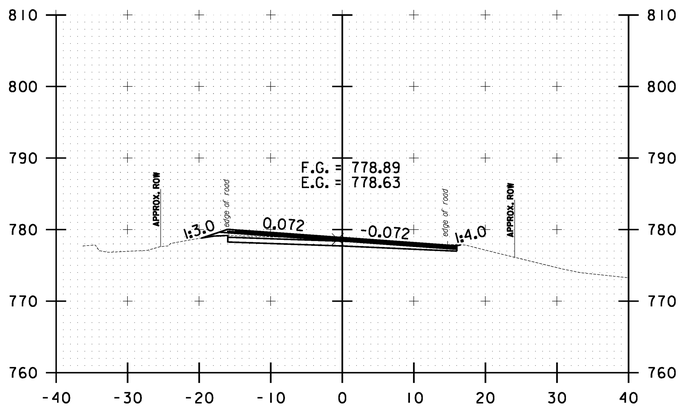
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

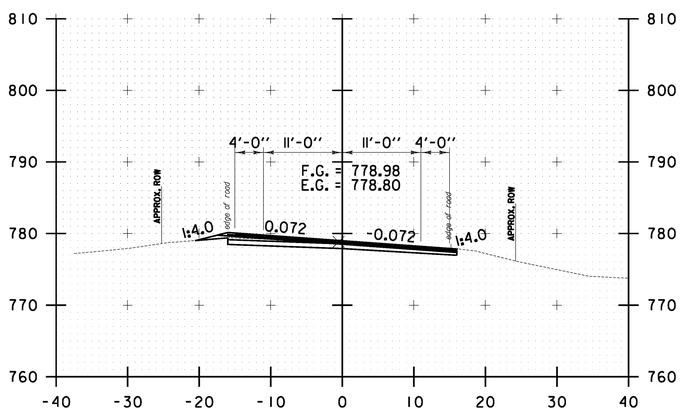
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs94.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 257 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



4+00.00



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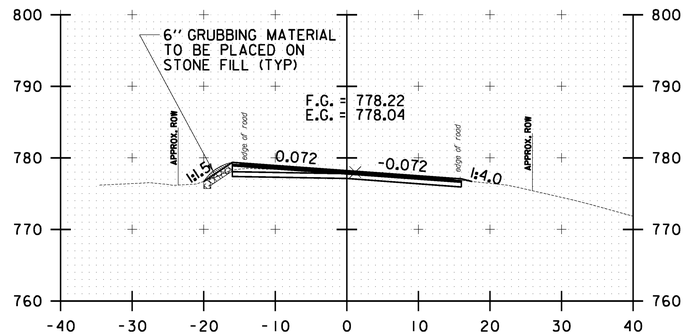

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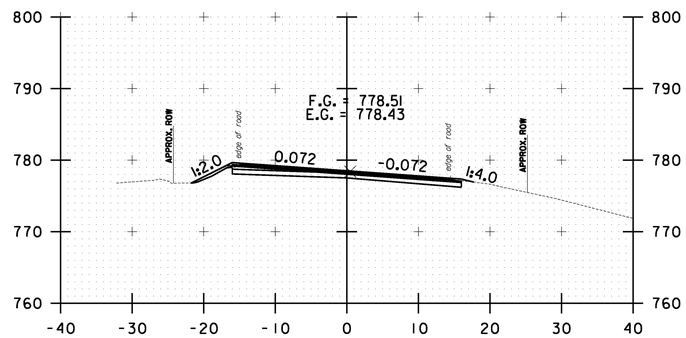

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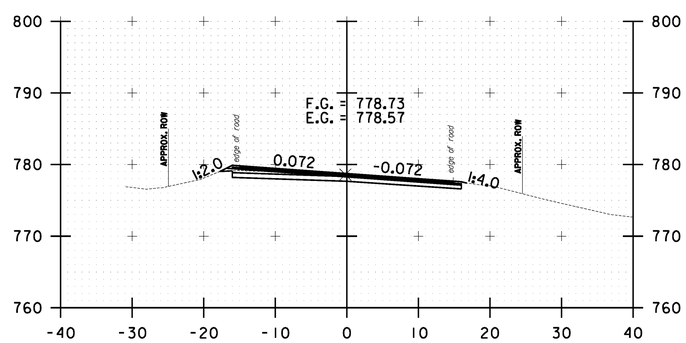

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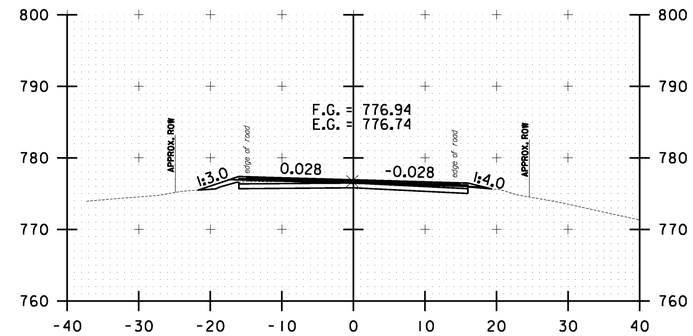
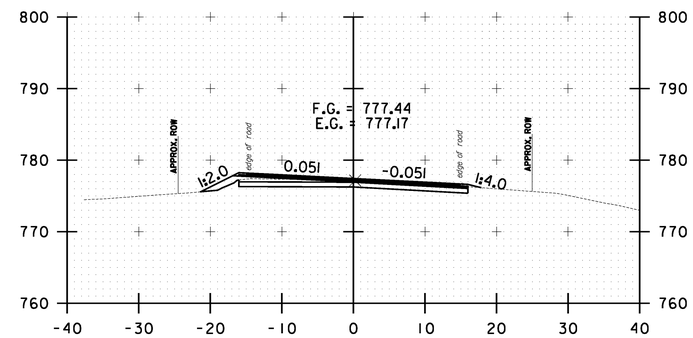


7+00.00



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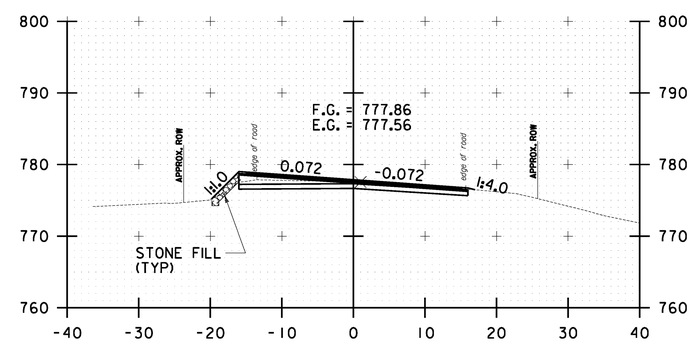


6+00.00

10 0 10
SCALE IN FEET

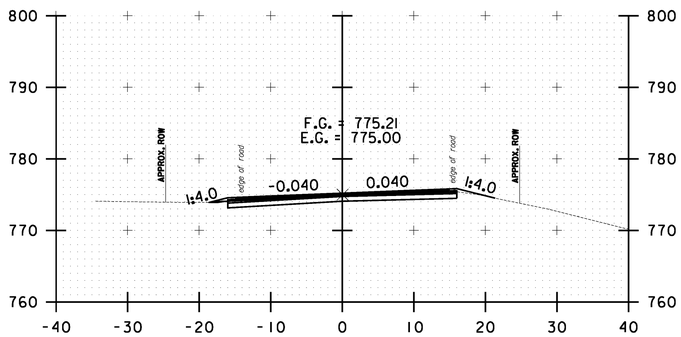
WAITSFIELD CROSS SECTION SHEET #2

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

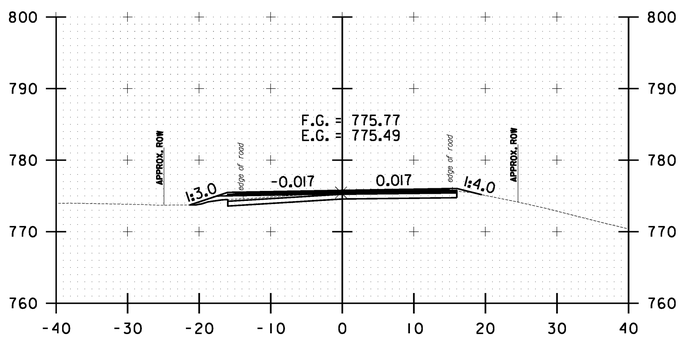
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs95.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 258 OF 310

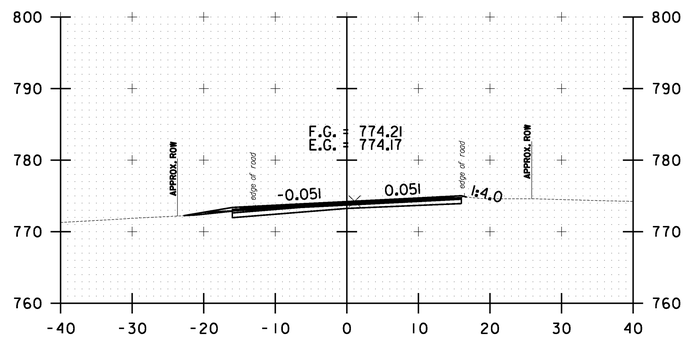
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



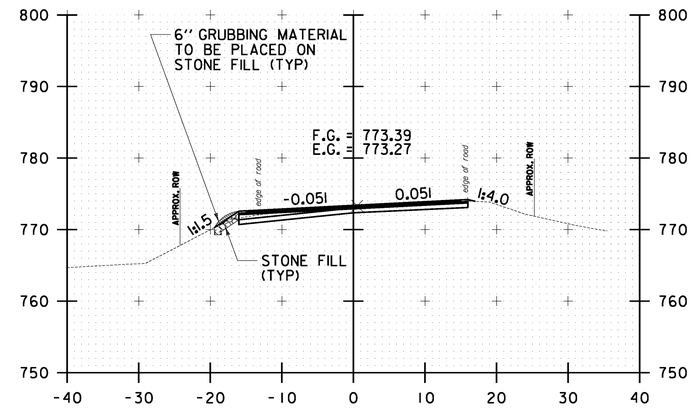
8+50.00



8+00.00



9+50.00



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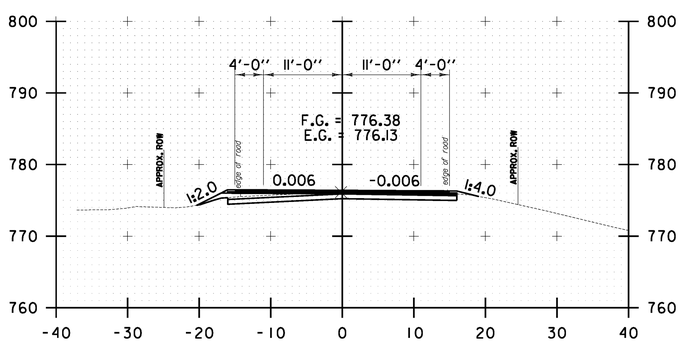
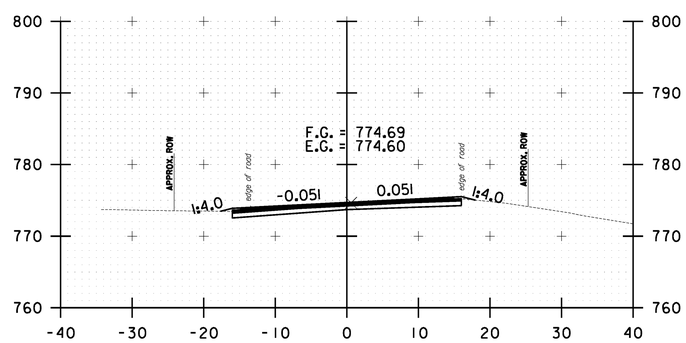
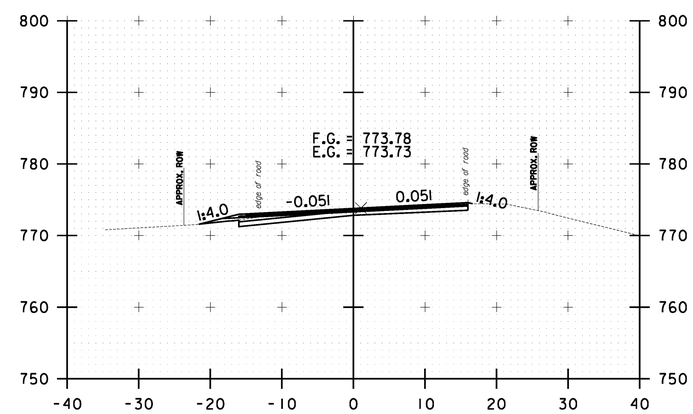


7+50.00



9+00.00



10+00.00

10 0 10
SCALE IN FEET

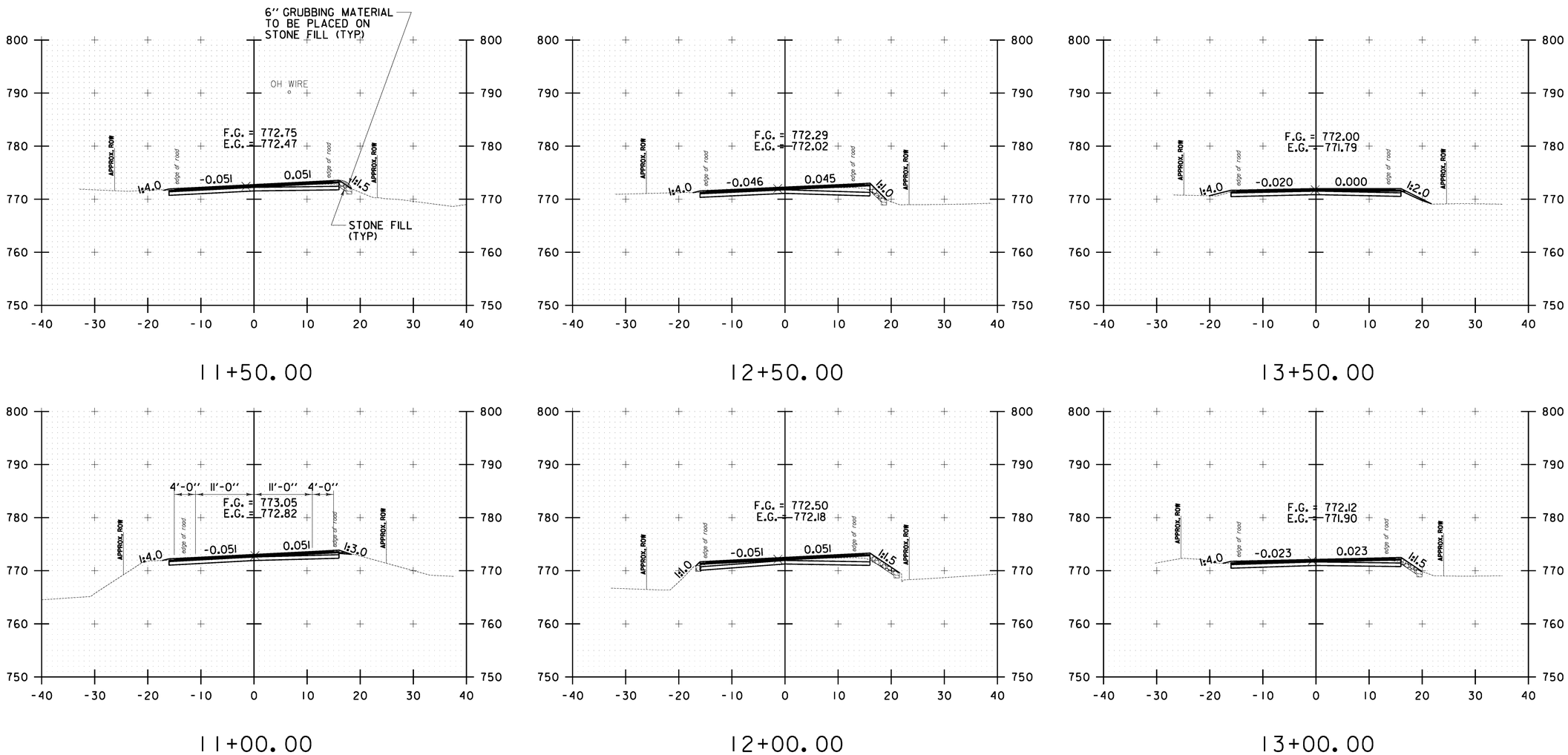
WAITSFIELD CROSS SECTION SHEET #3

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs96.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 259 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #4

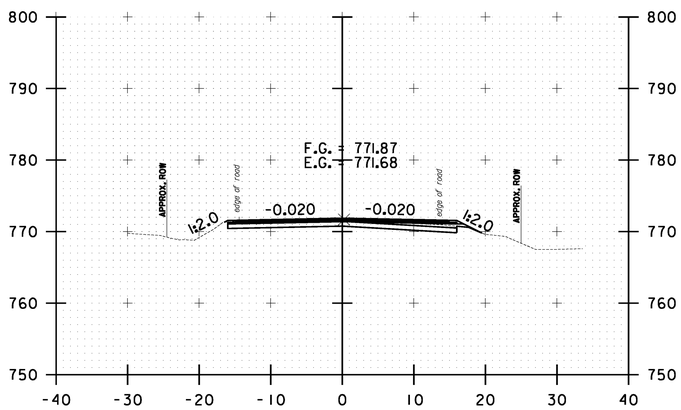
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

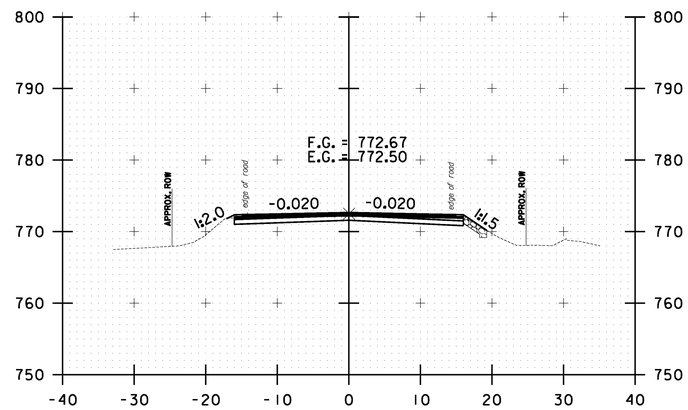
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs97.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 260 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



14+50.00



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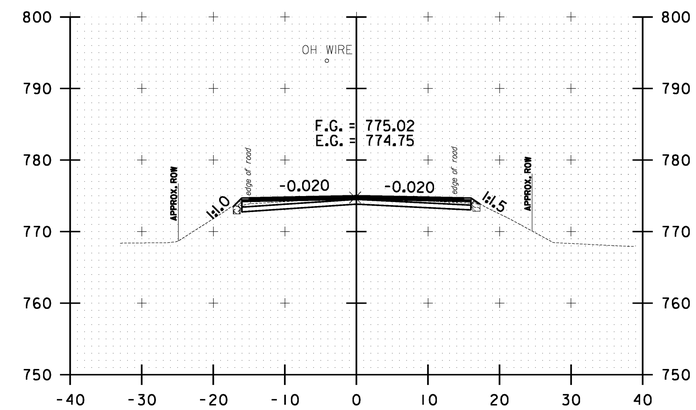
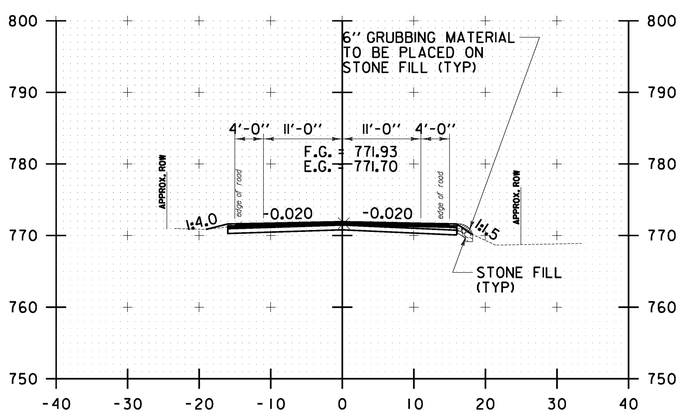
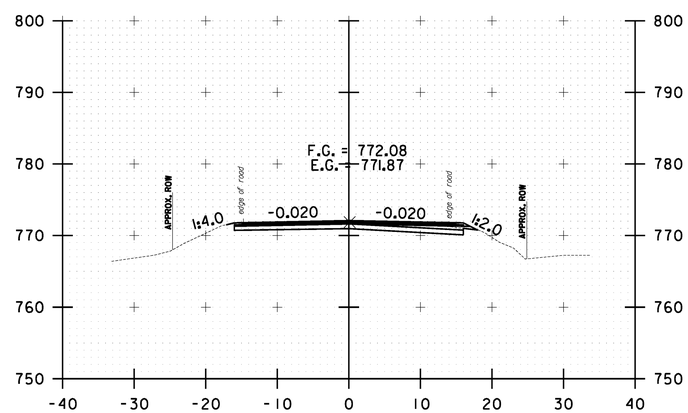


16+50.00



14+00.00



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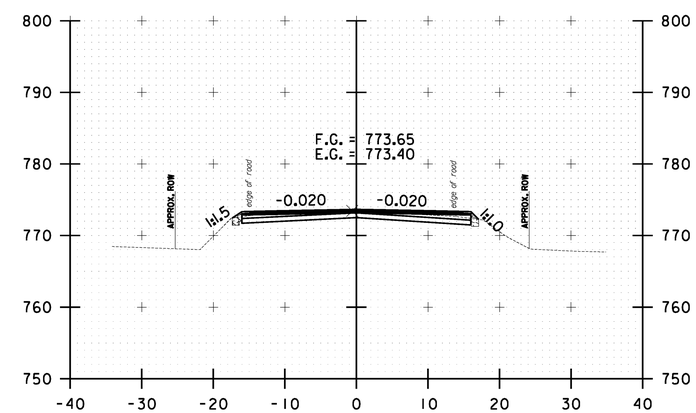


16+00.00

10 0 10
SCALE IN FEET

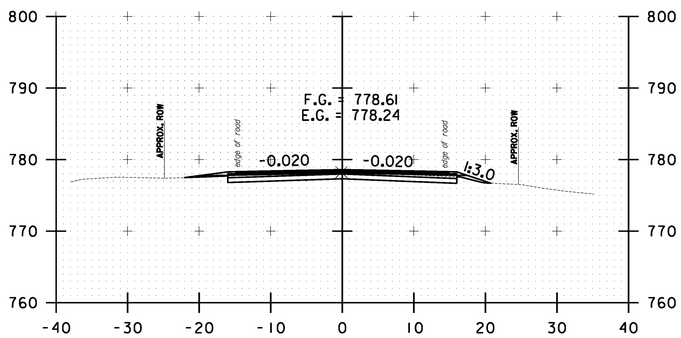
WAITSFIELD CROSS SECTION SHEET #5

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs98.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 261 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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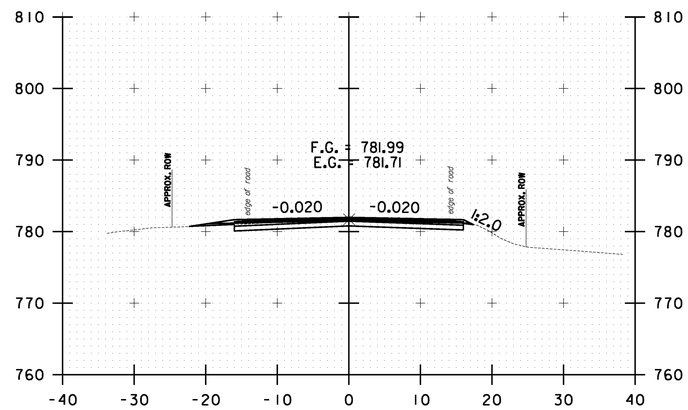

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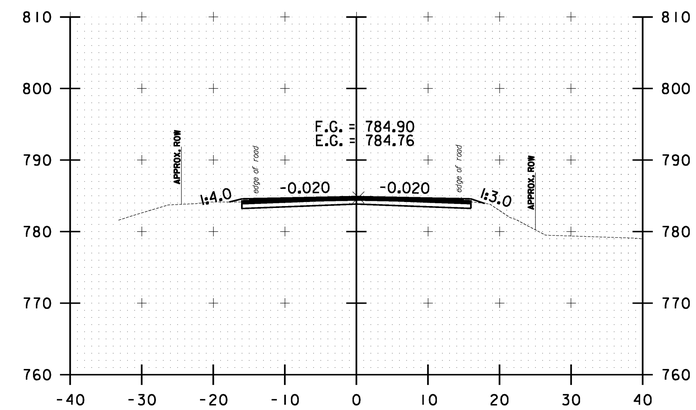

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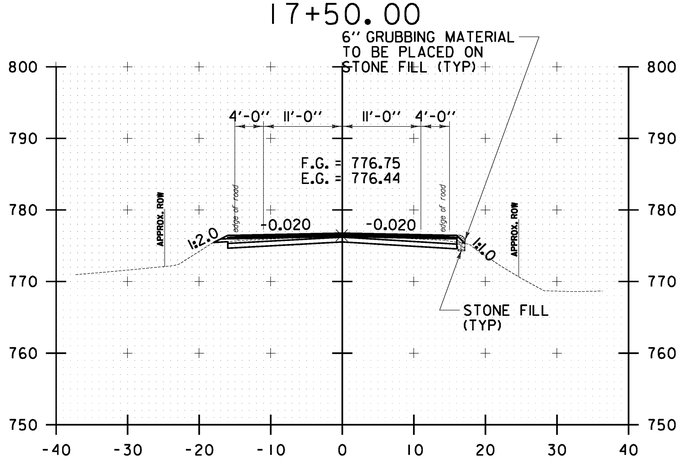

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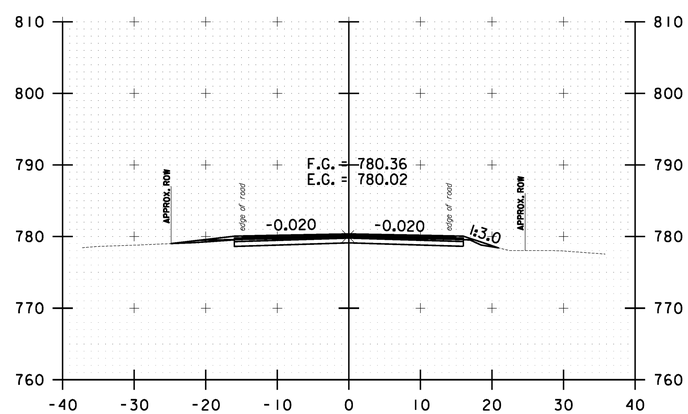

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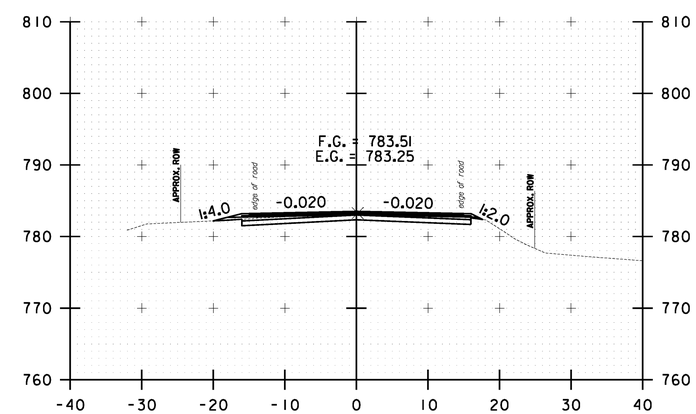

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SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #6

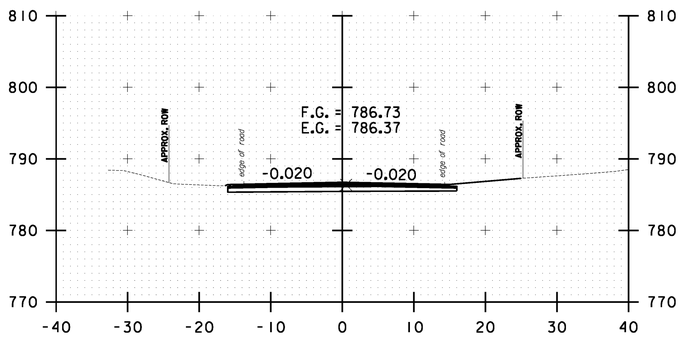
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs99.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 262 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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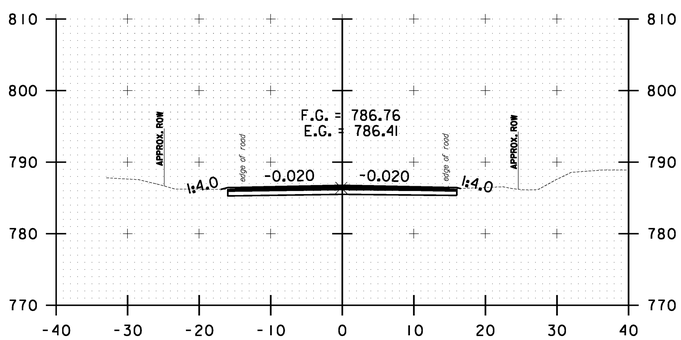

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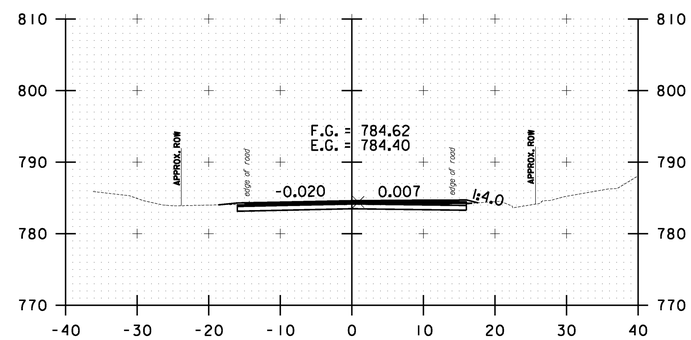

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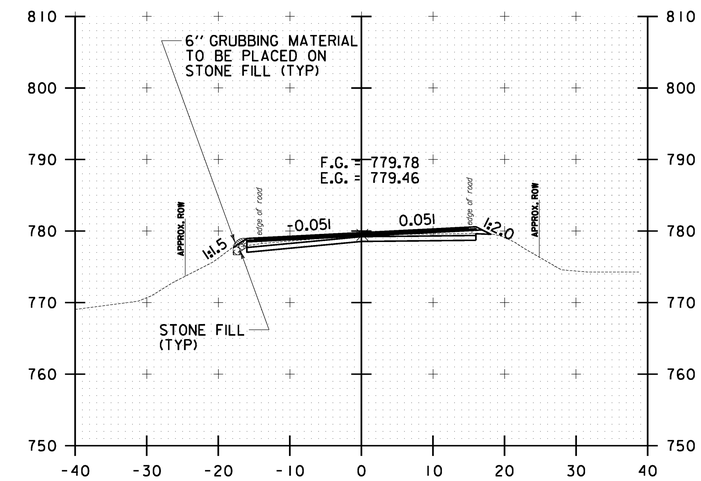

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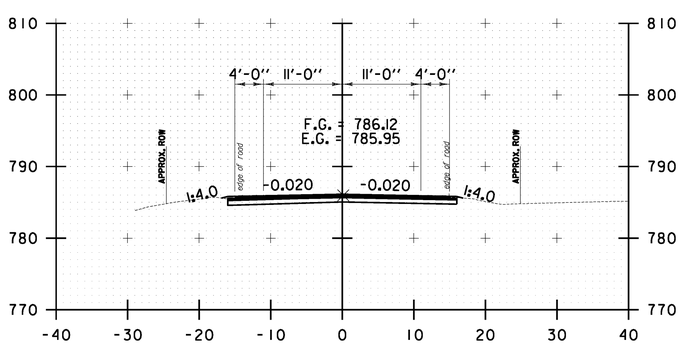

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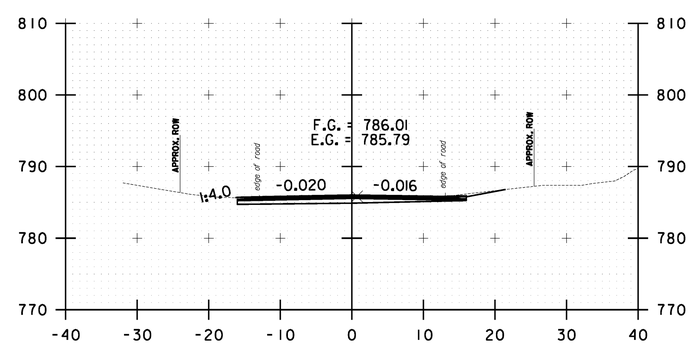

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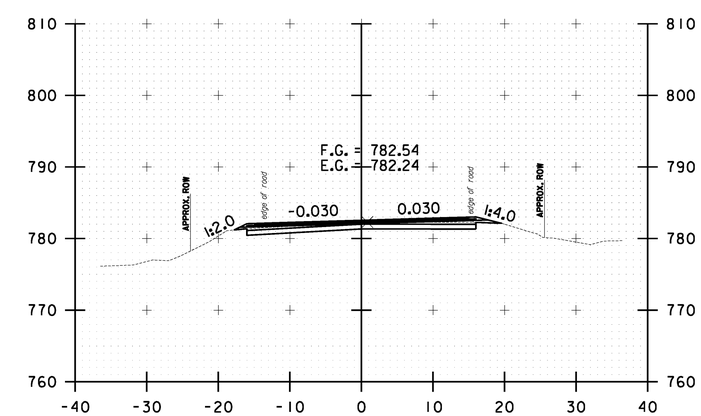

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SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #7

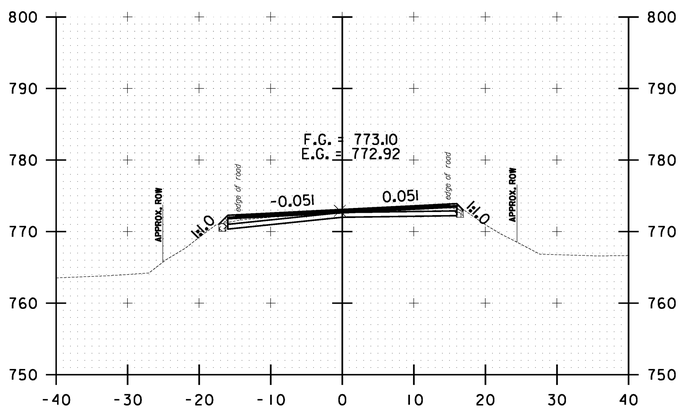
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs100.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 263 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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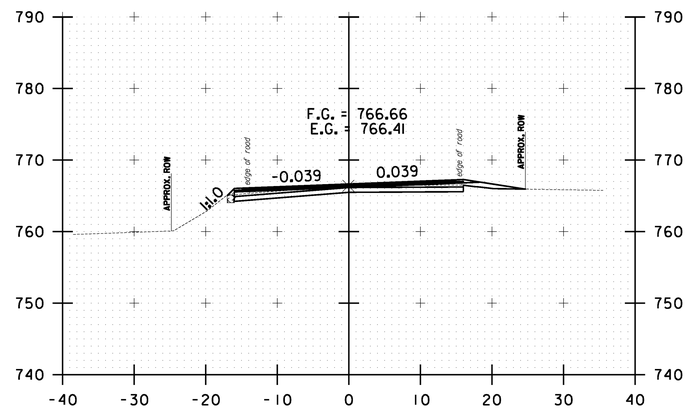

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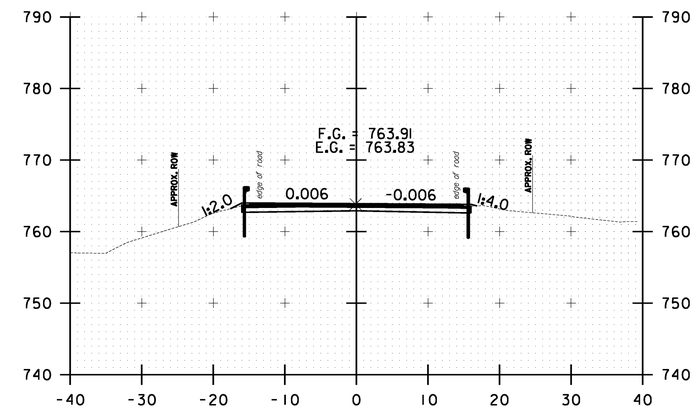

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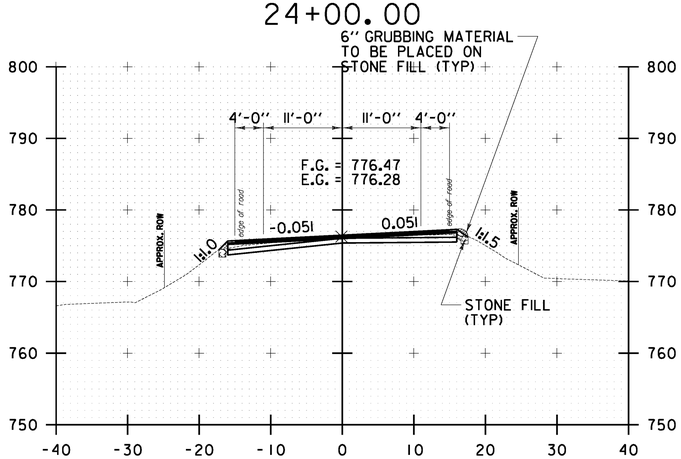

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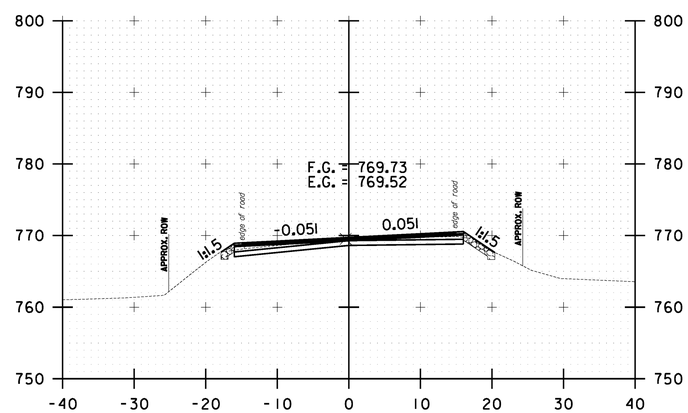

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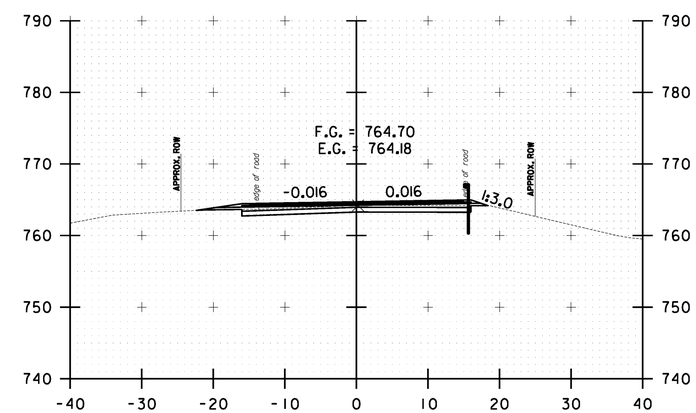

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10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #8

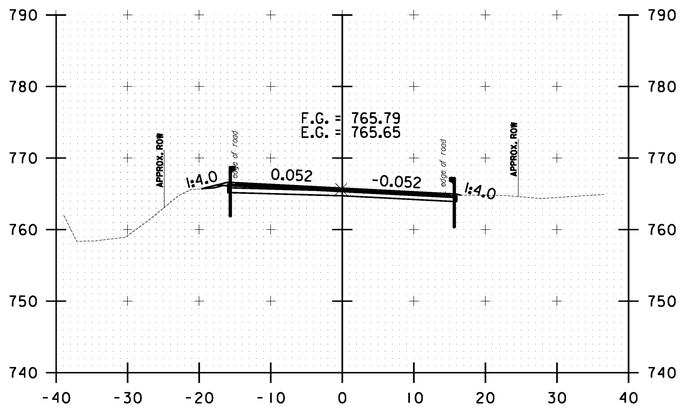
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs101.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 264 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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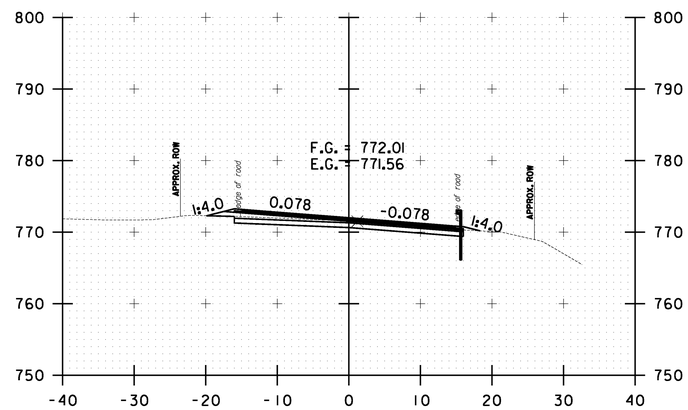

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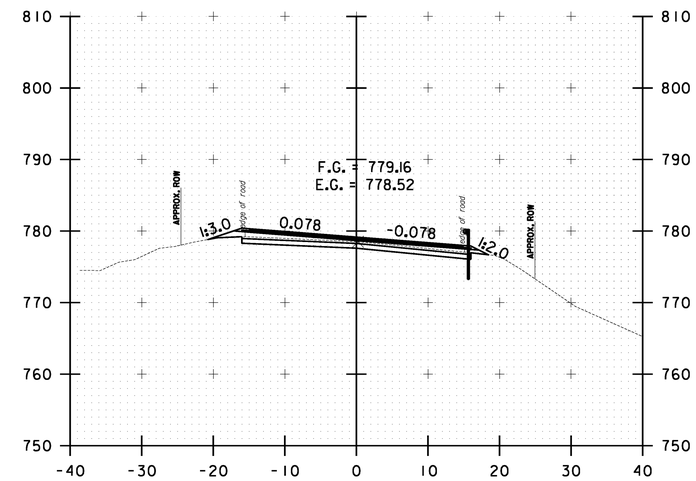

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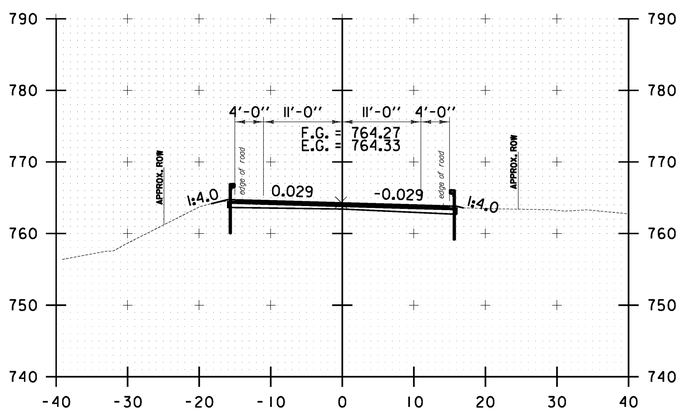

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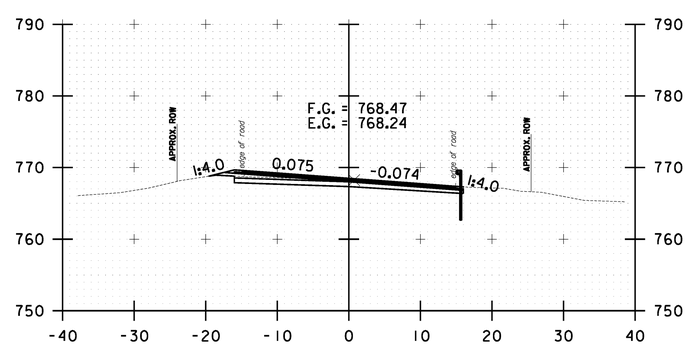

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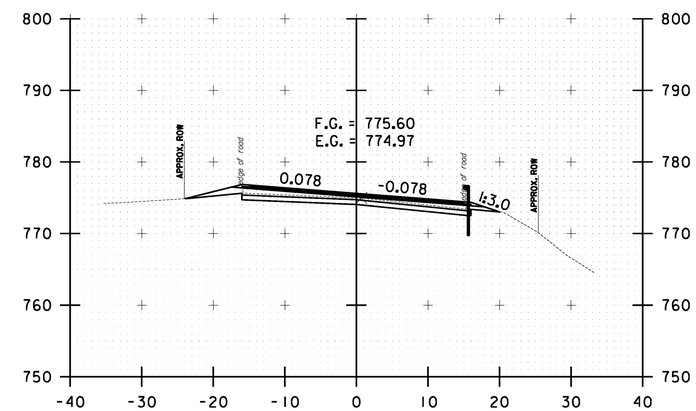


28+50.00

10 0 10
SCALE IN FEET

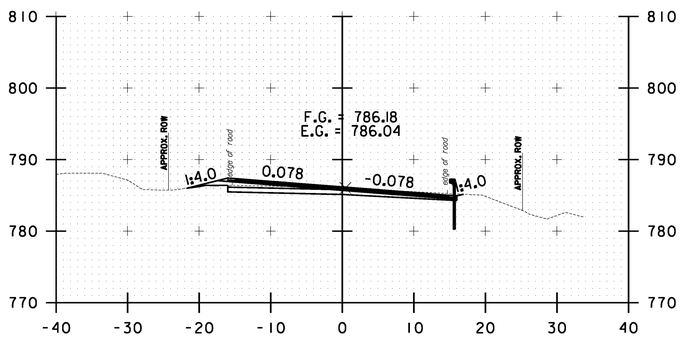
WAITSFIELD CROSS SECTION SHEET #9

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs102.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 265 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4966



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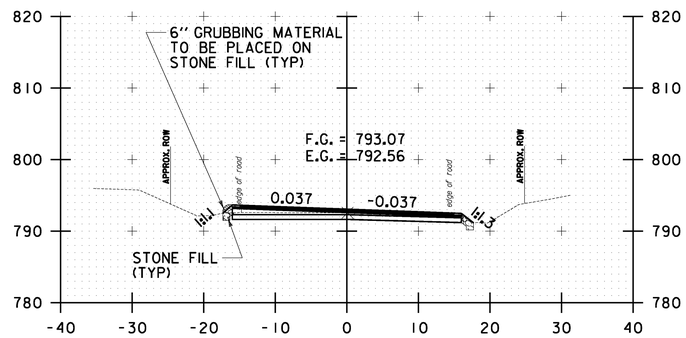

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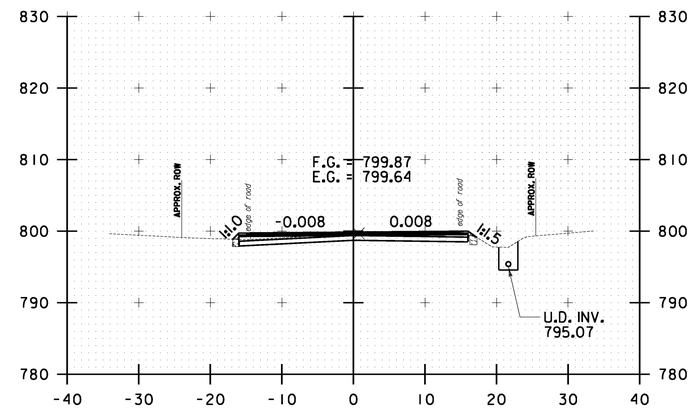

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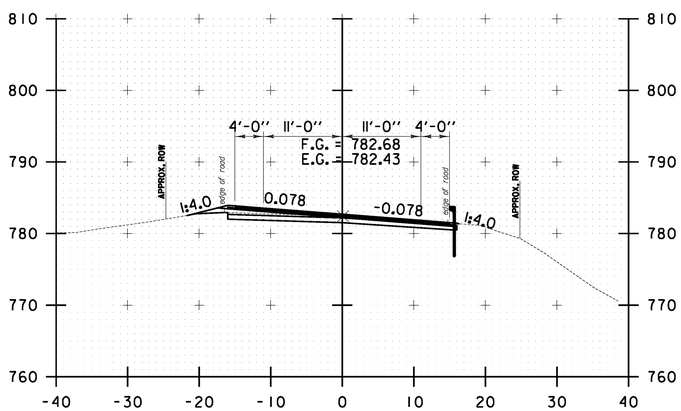

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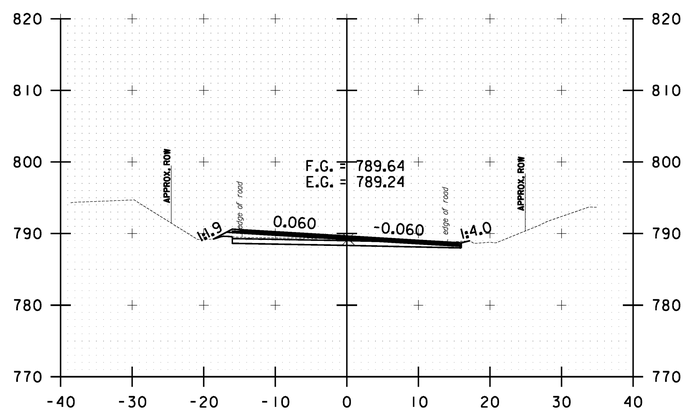

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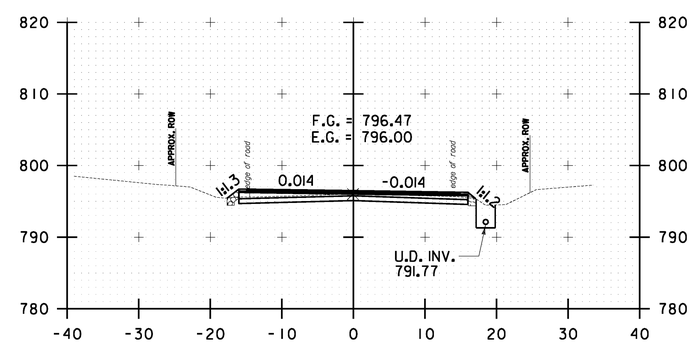


31+50.00

SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #10

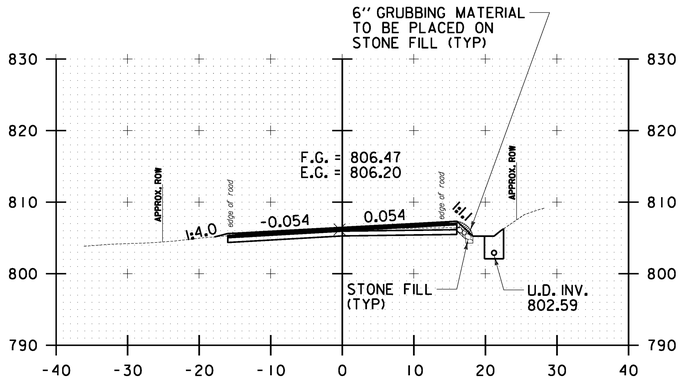
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs103.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 266 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4066



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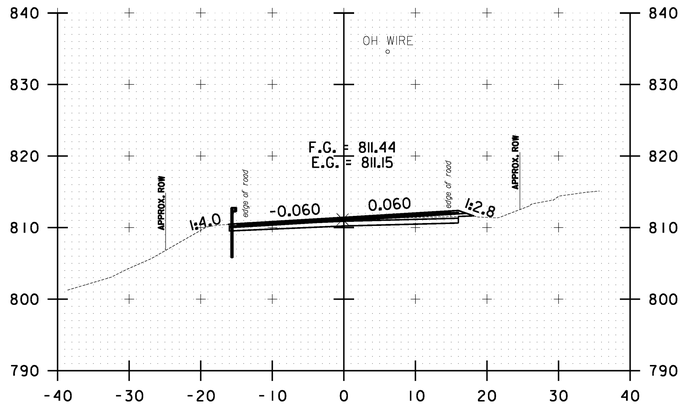

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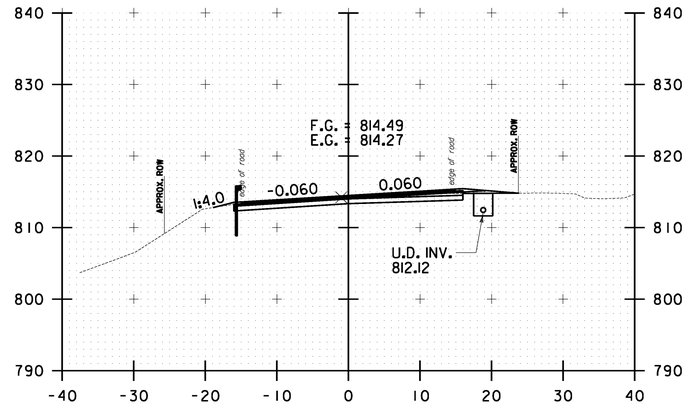

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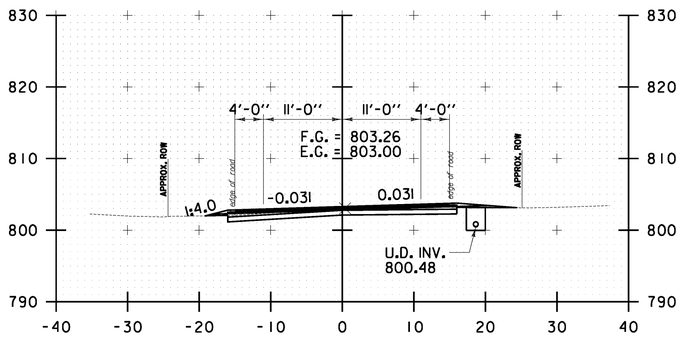

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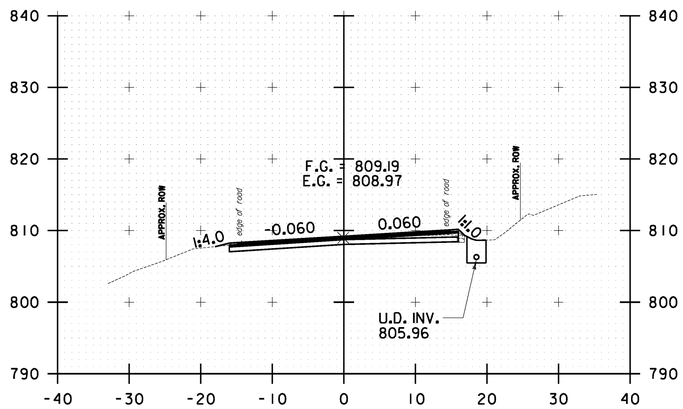
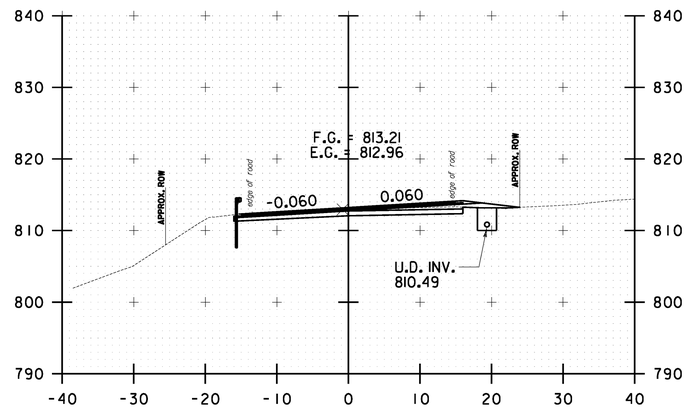


33+50.00



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10 0 10
SCALE IN FEET

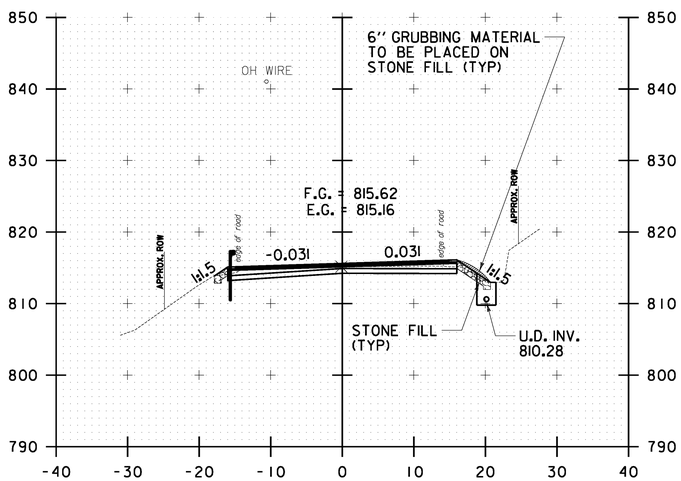
WAITSFIELD CROSS SECTION SHEET #11

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs104.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 267 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Correct Plans.dgn
DATE/TIME = 12/20/2012
USER = 14086



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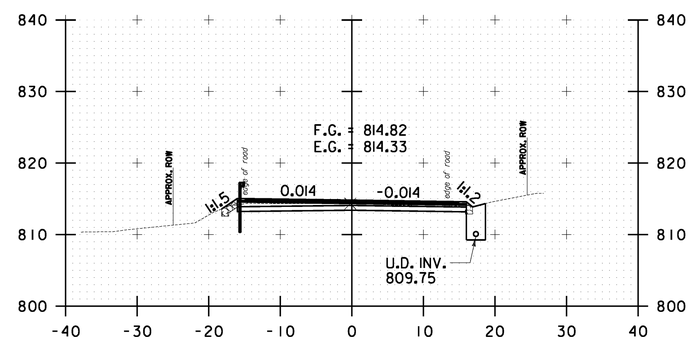

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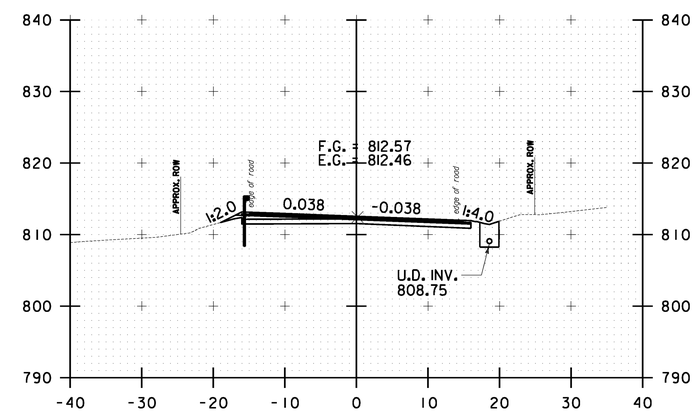

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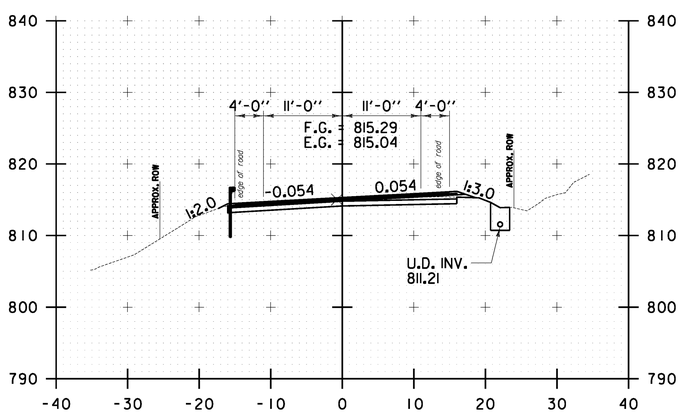

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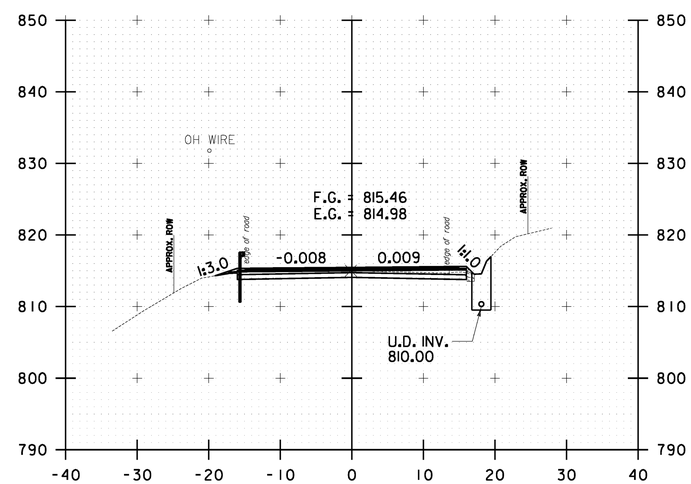

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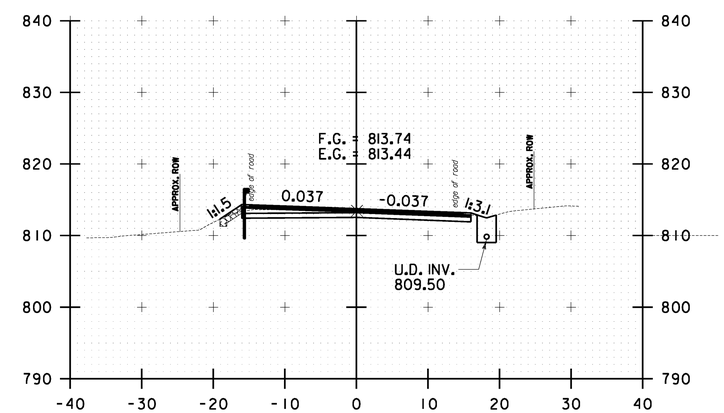

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10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #12

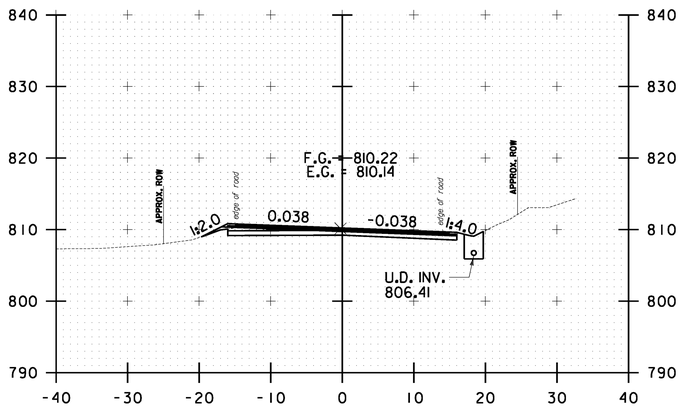
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

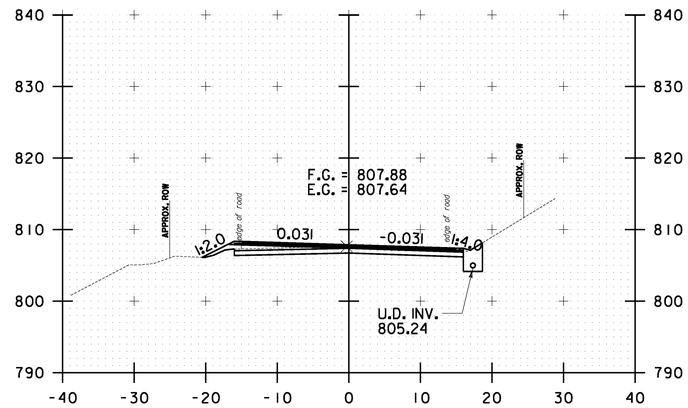
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs105.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 268 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



39+00.00



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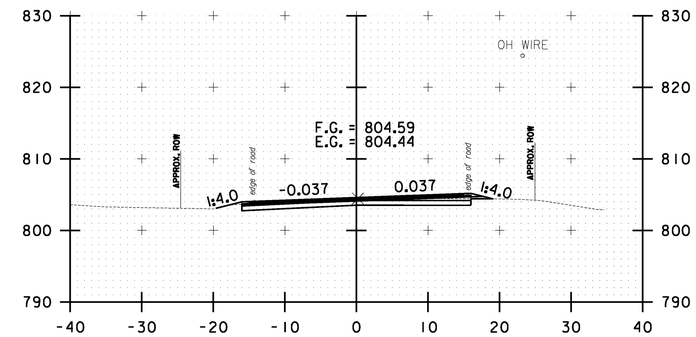
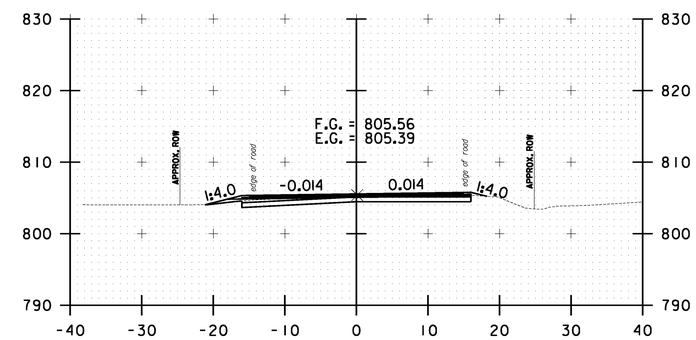


41+50.00



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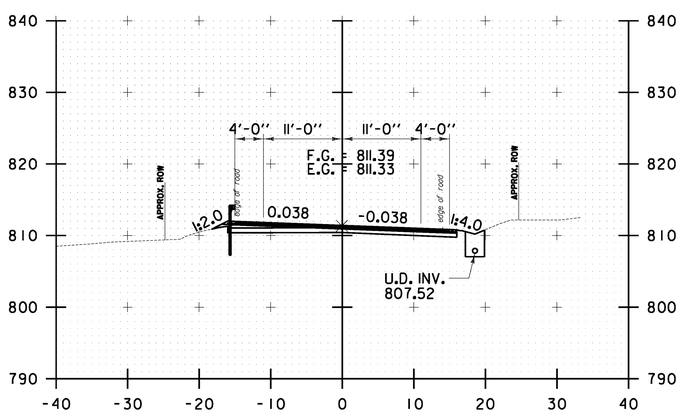
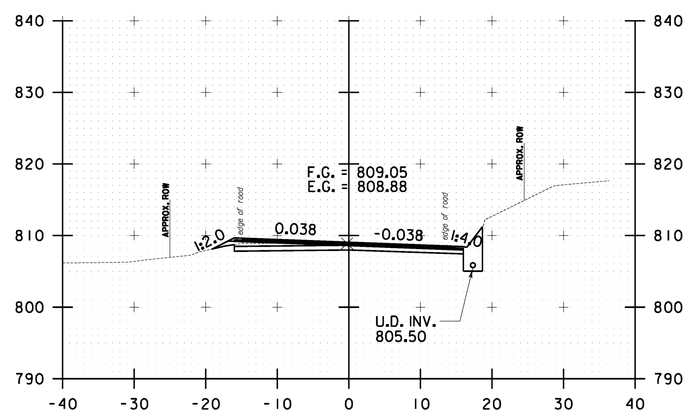
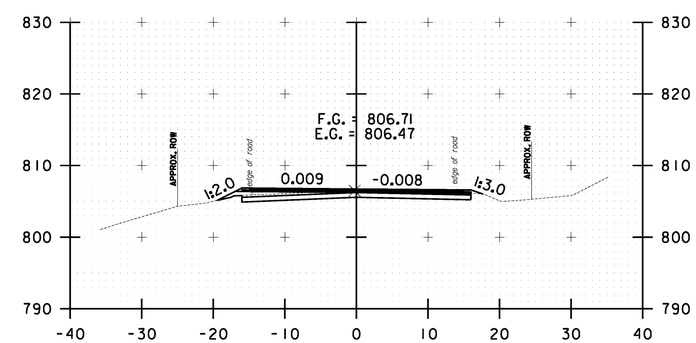


38+50.00



39+50.00



40+50.00

SCALE IN FEET (10 0 10)

WAITSFIELD CROSS SECTION SHEET #13

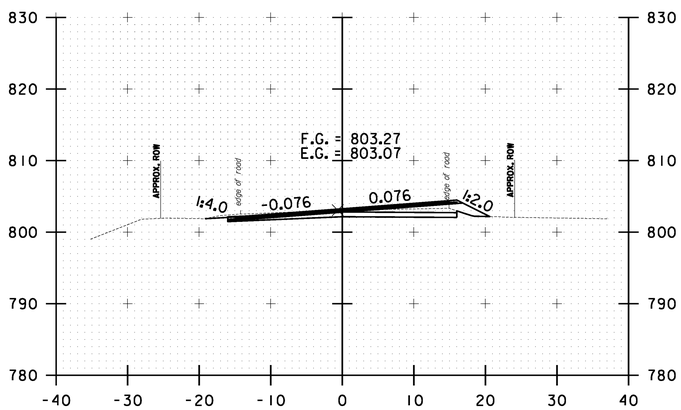
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

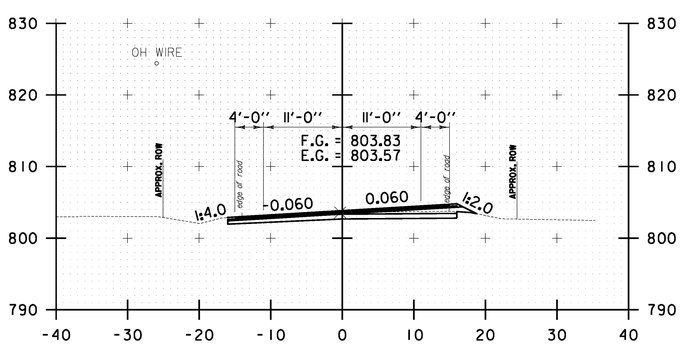
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs106.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 269 OF 310

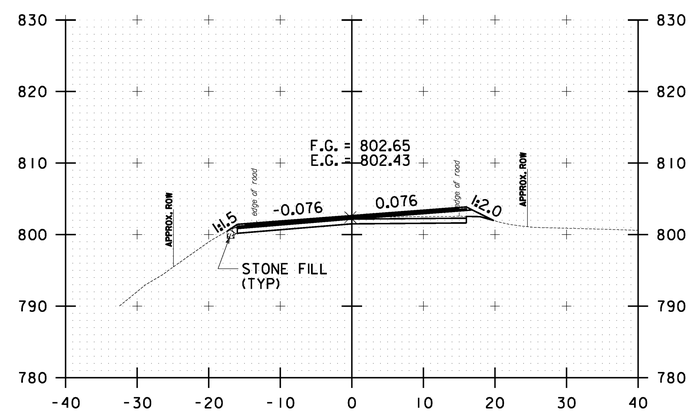
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



42+50.00



42+00.00



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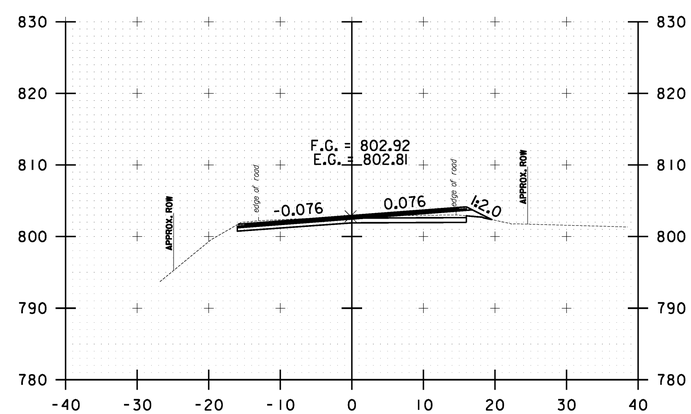

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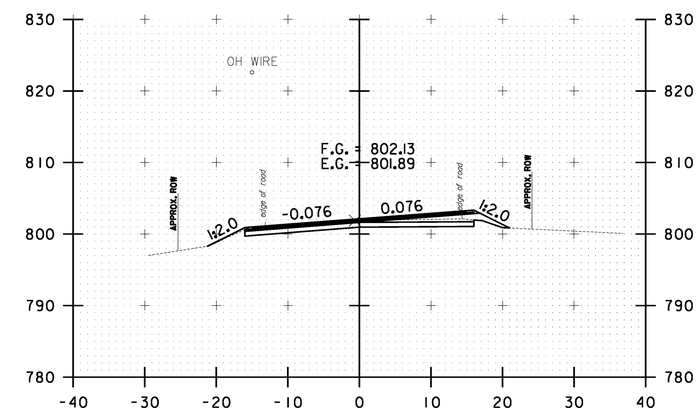
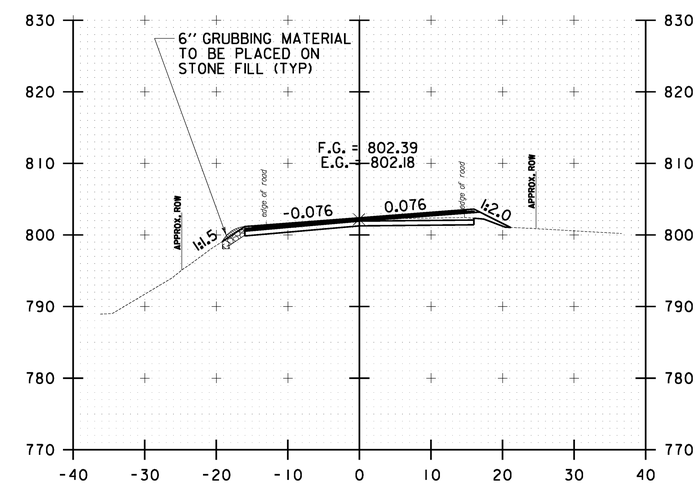


44+50.00



44+00.00

10 0 10
SCALE IN FEET

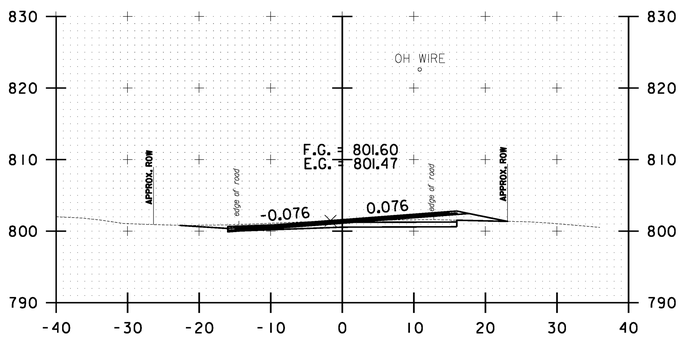
WAITSFIELD CROSS SECTION SHEET #14

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs107.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 270 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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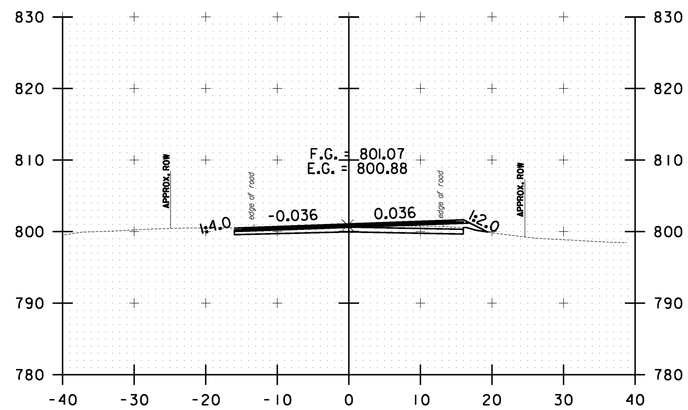
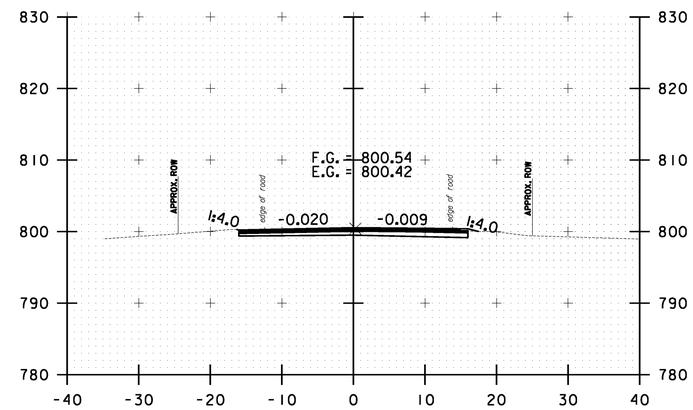


46+50.00



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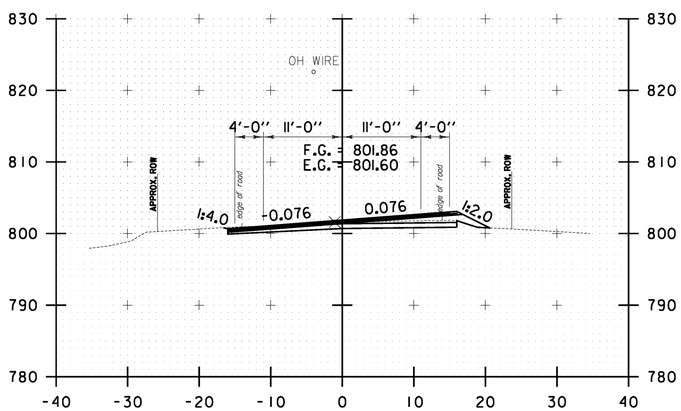

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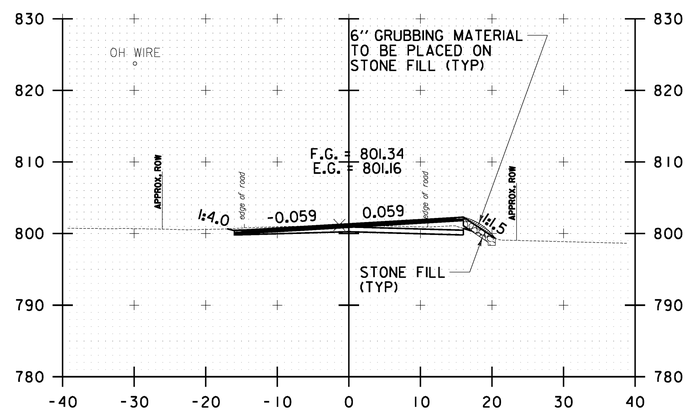
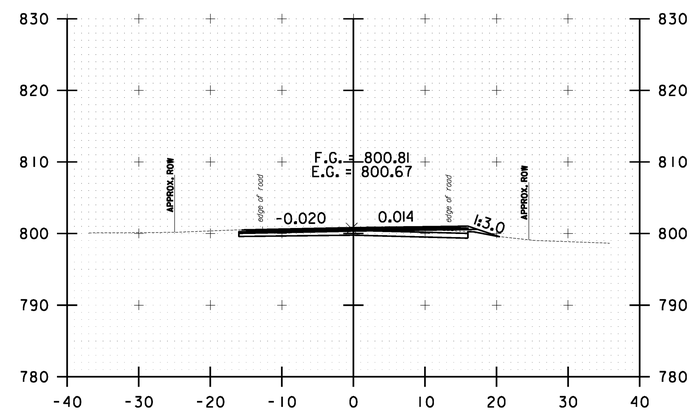


46+00.00



47+00.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #15

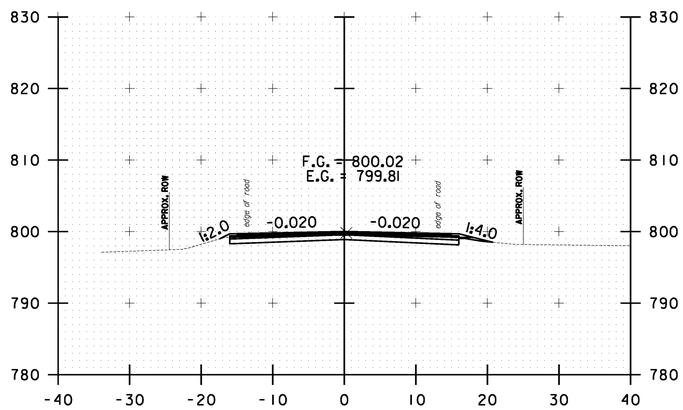
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

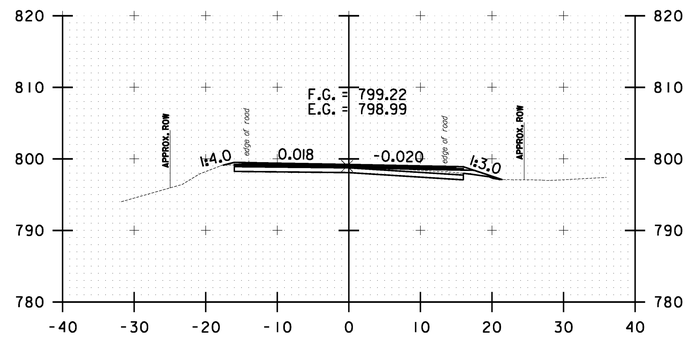
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs108.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 271 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



48+50.00



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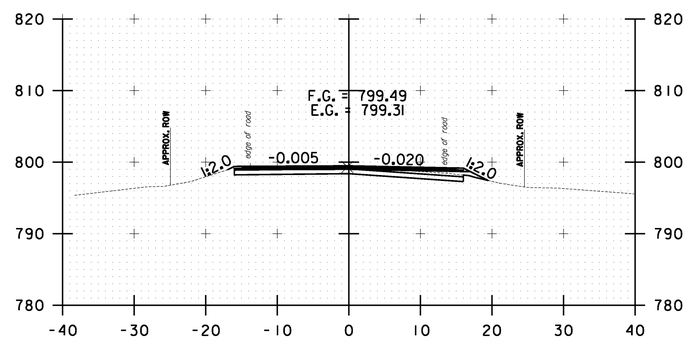
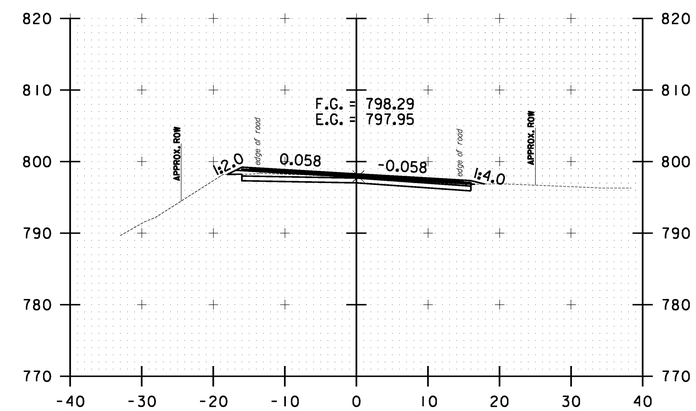


49+50.00



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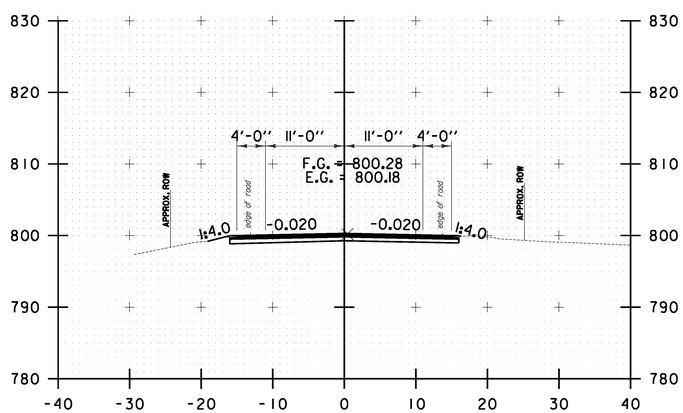

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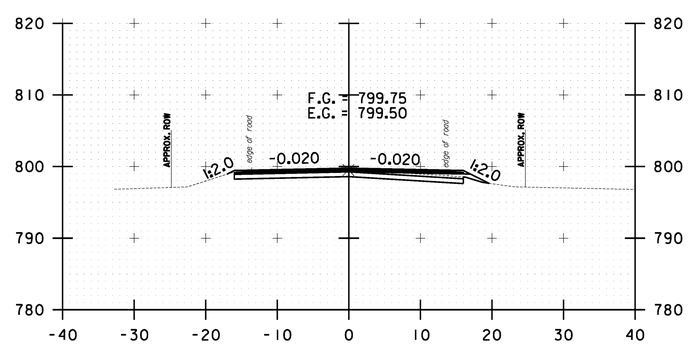
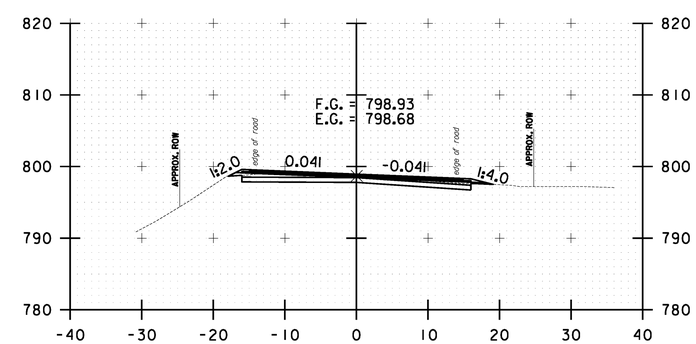


49+00.00



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10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #16

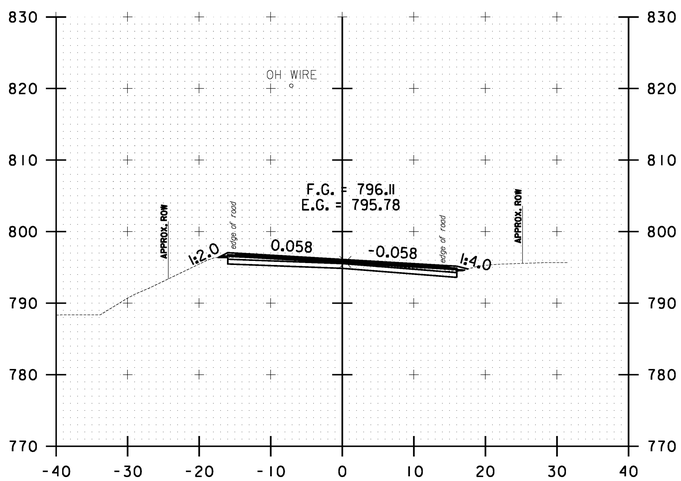
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

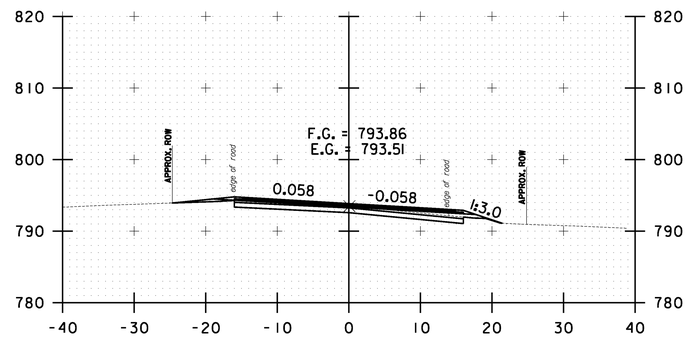
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs109.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 272 OF 310

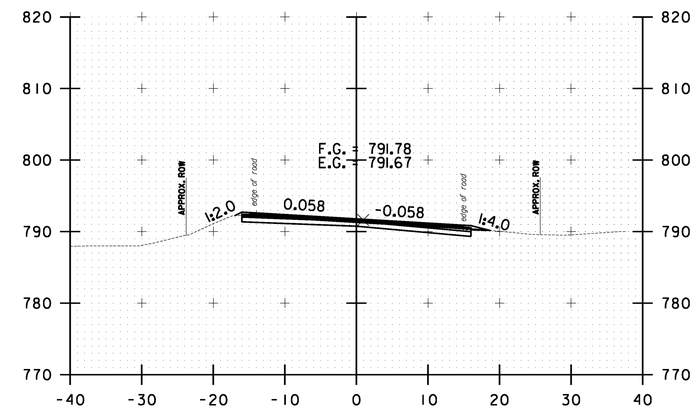
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



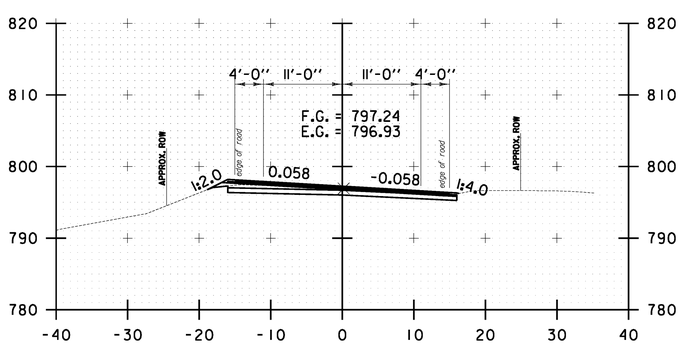
52+00.00



53+00.00



54+00.00



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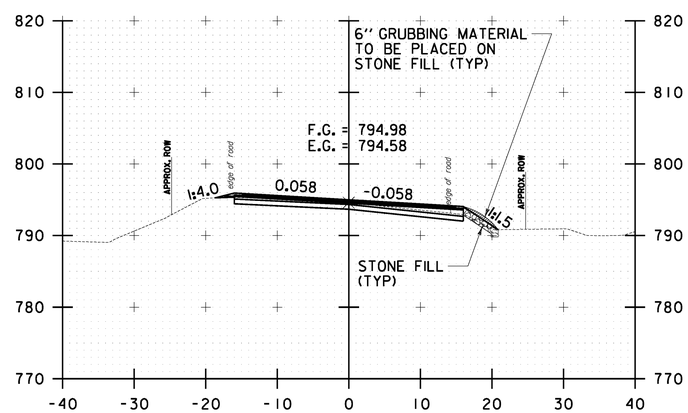
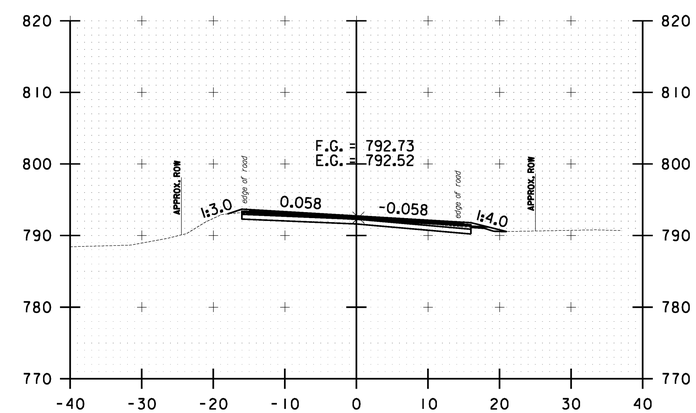


52+50.00



53+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #17

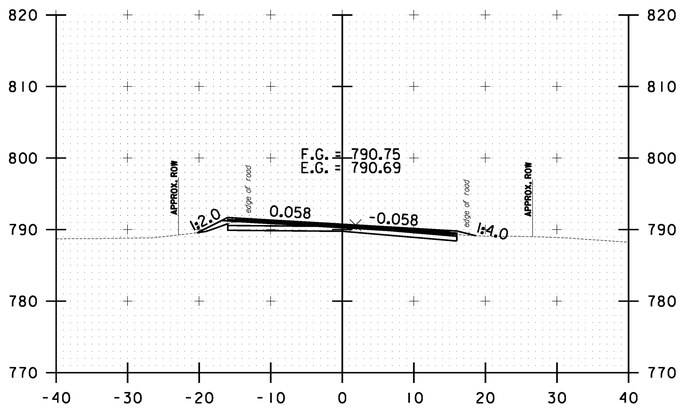
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

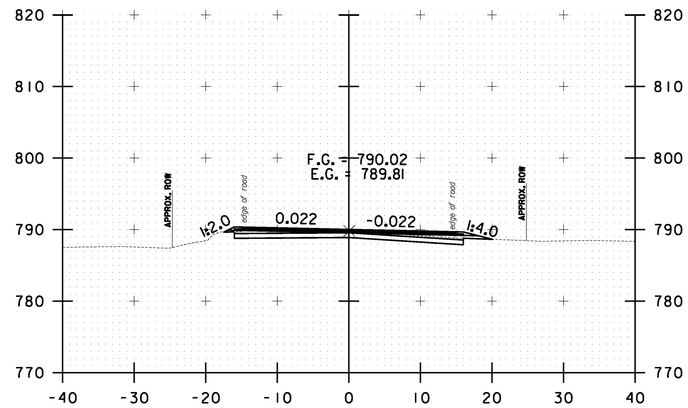
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs110.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 273 OF 310

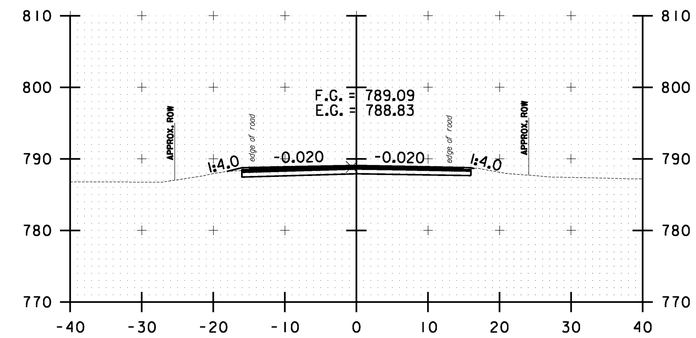
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



55+00.00



56+00.00



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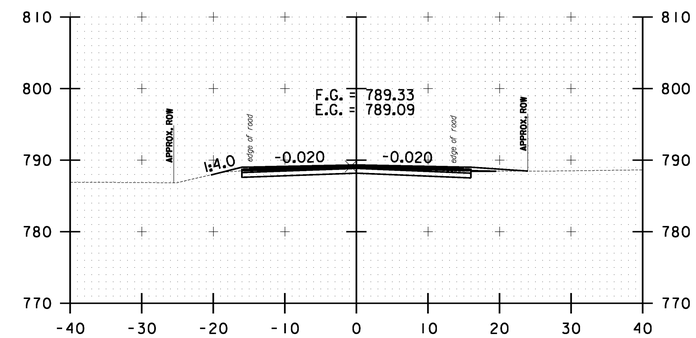

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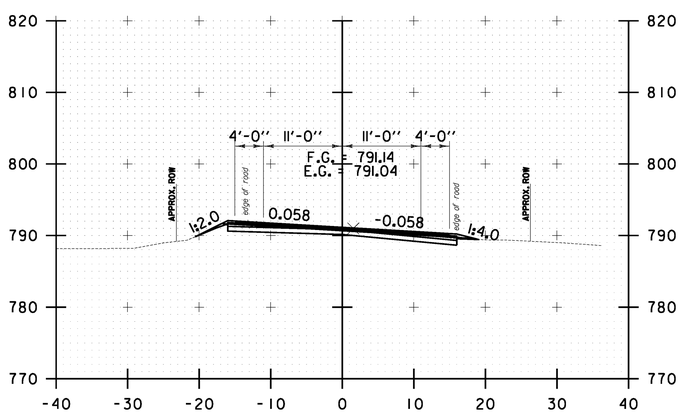

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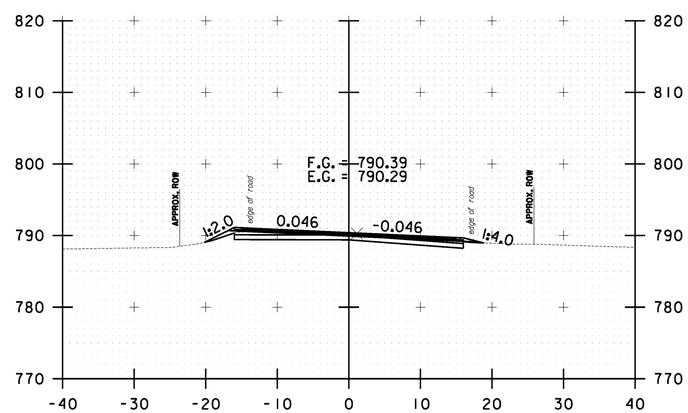
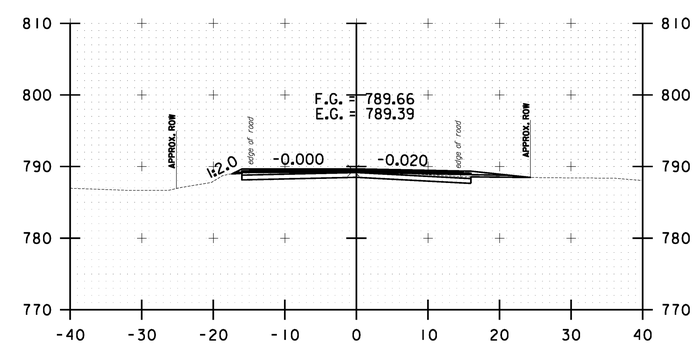


55+50.00



56+50.00

10 0 10
SCALE IN FEET

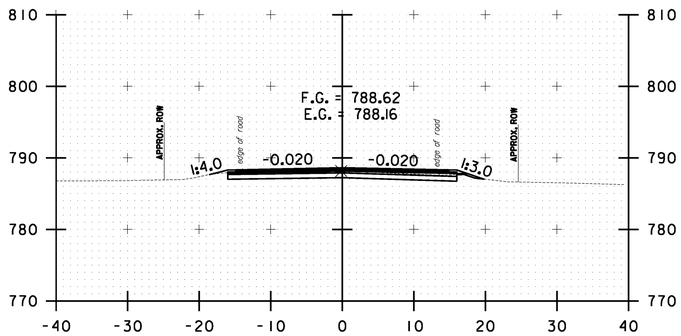
WAITSFIELD CROSS SECTION SHEET #18

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

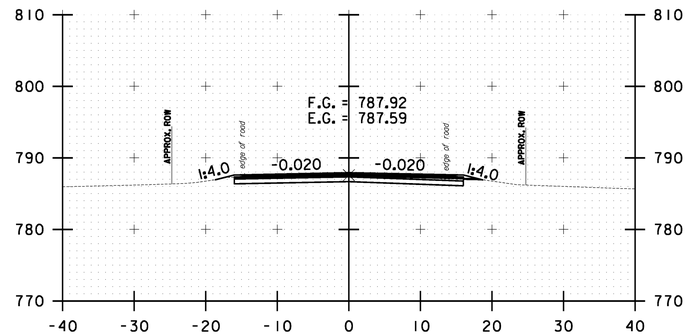
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsiii.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 274 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



59+00.00



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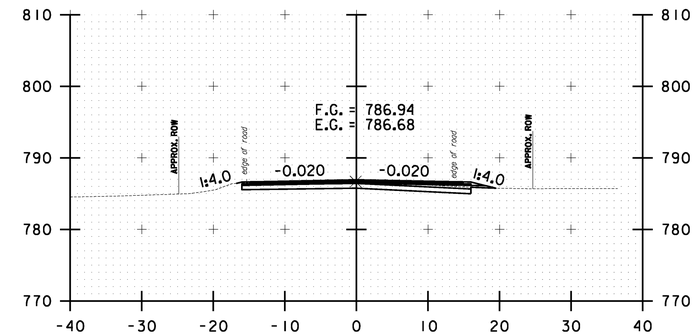

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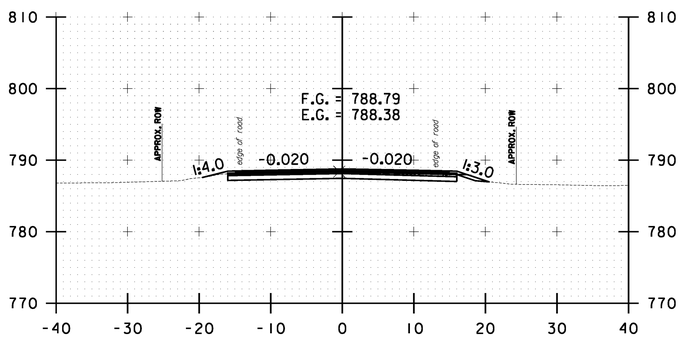

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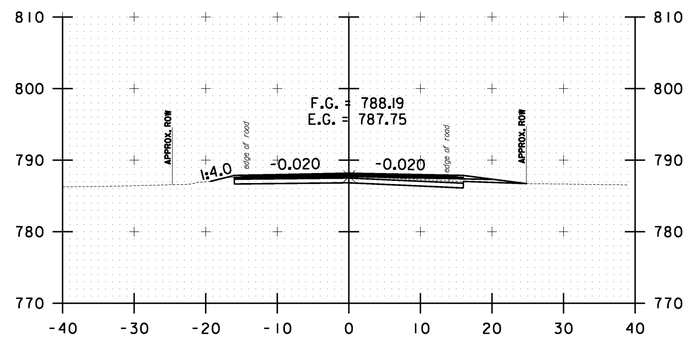
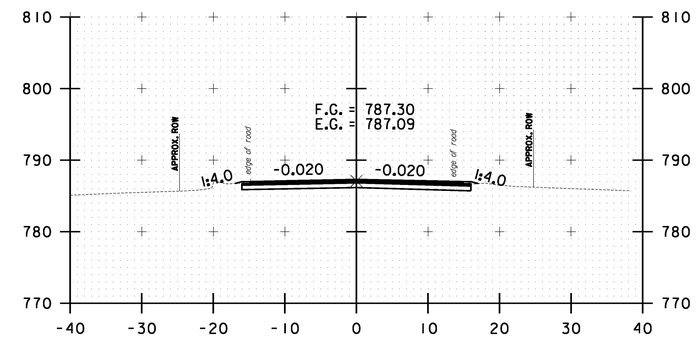
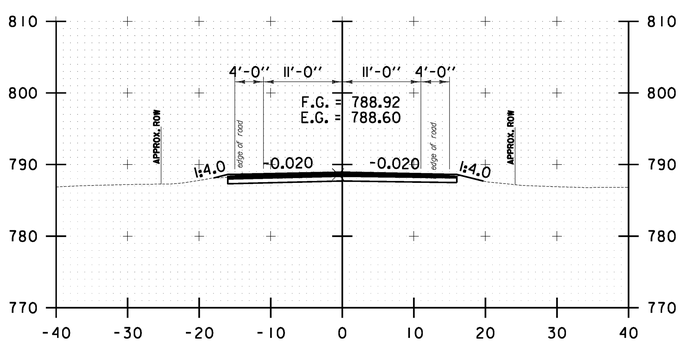


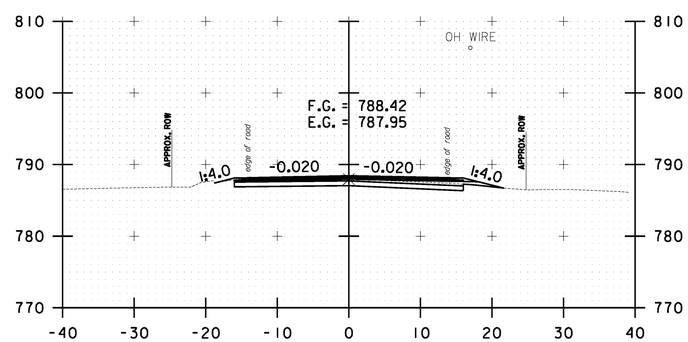
60+00.00



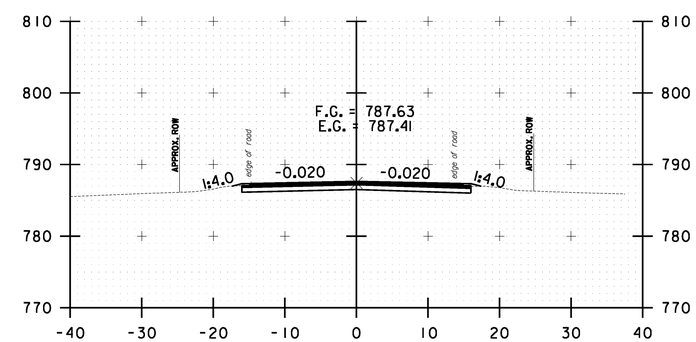
61+50.00



58+00.00



59+50.00



61+00.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #19

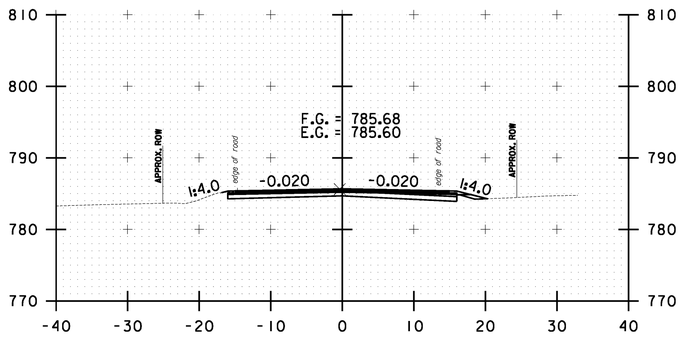
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl12.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 275 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



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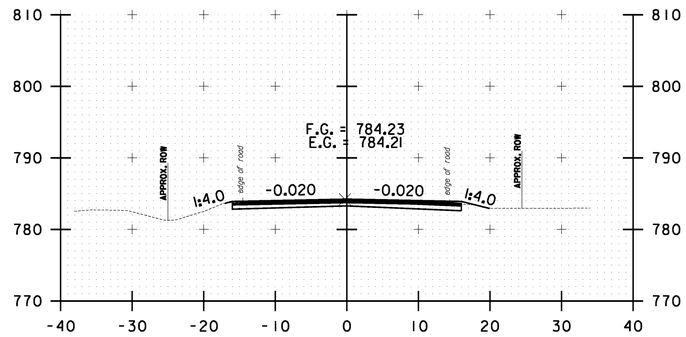

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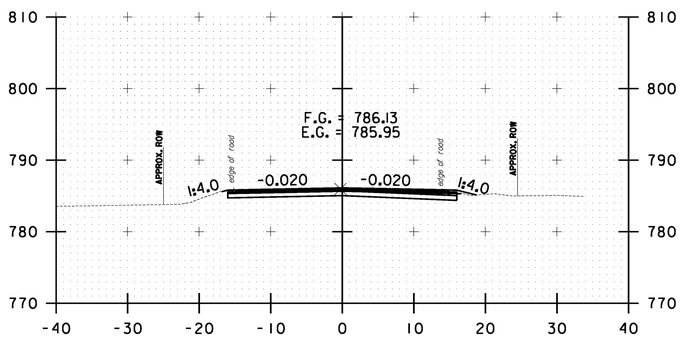

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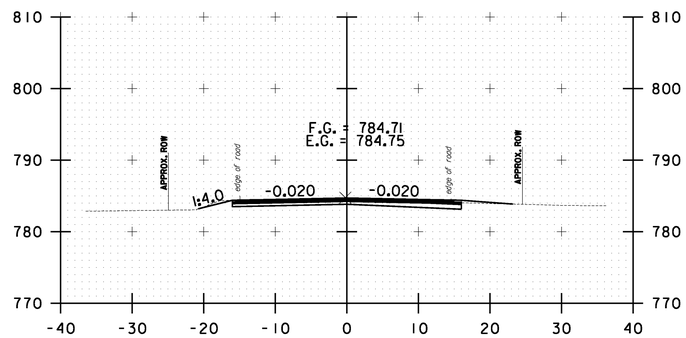

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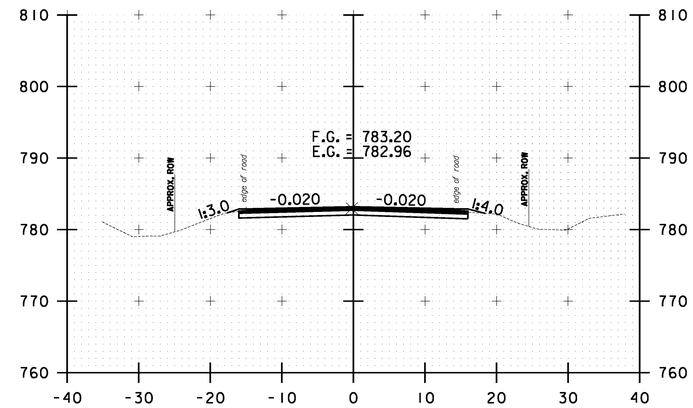

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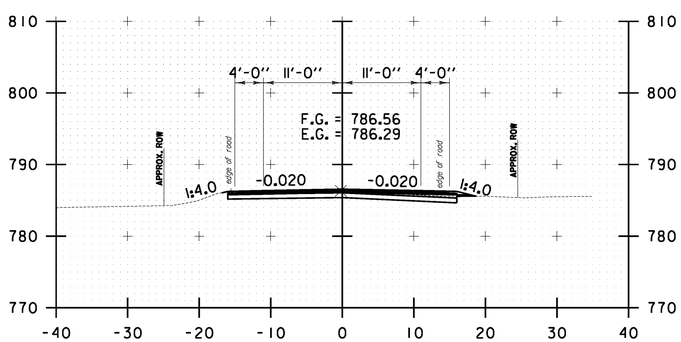

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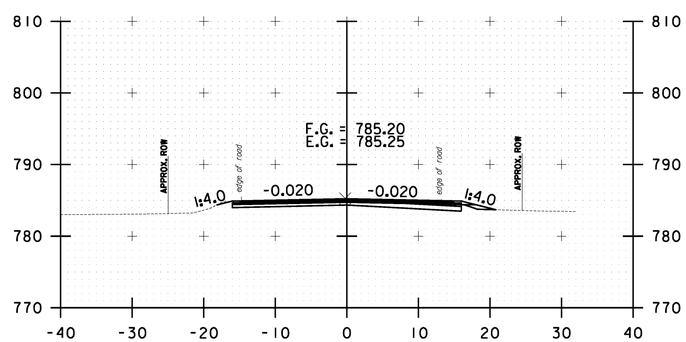

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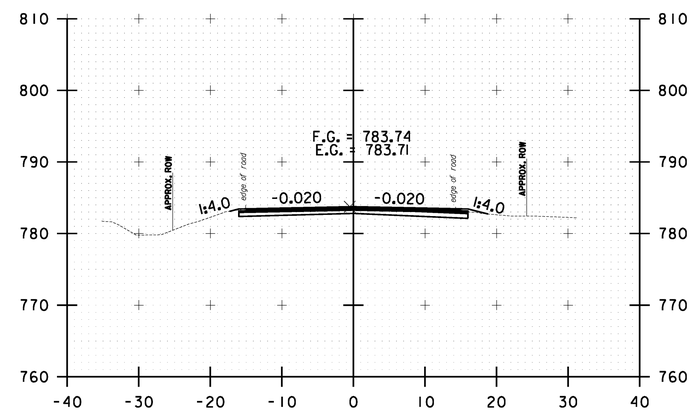


65+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #20

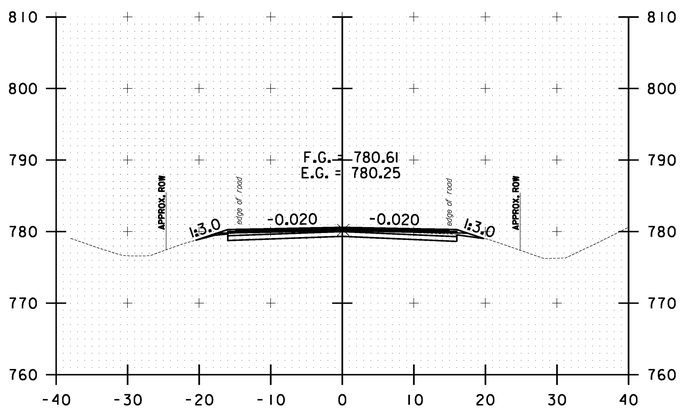
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl13.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 276 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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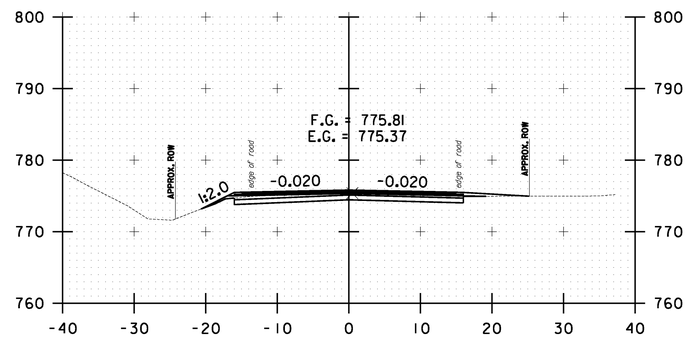

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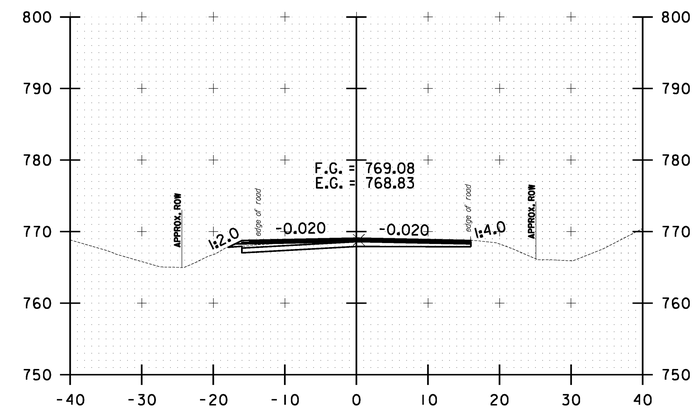

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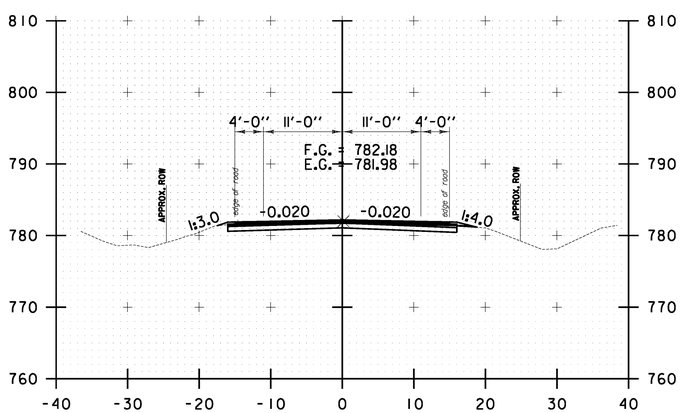

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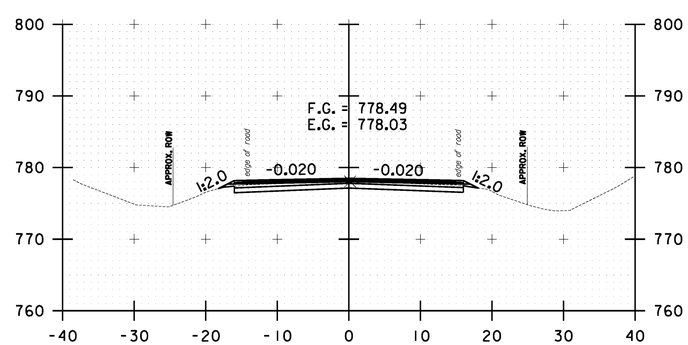

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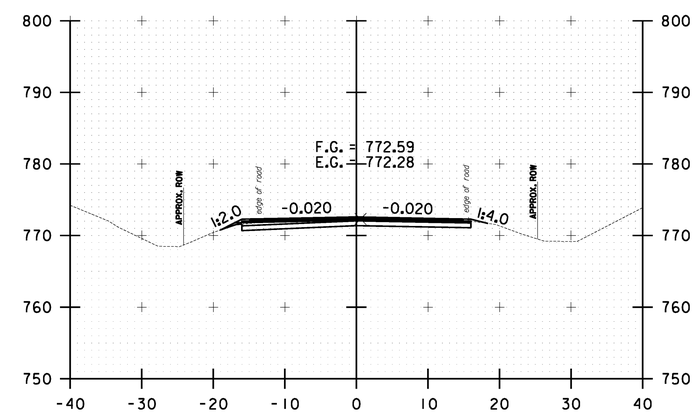


68+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #21

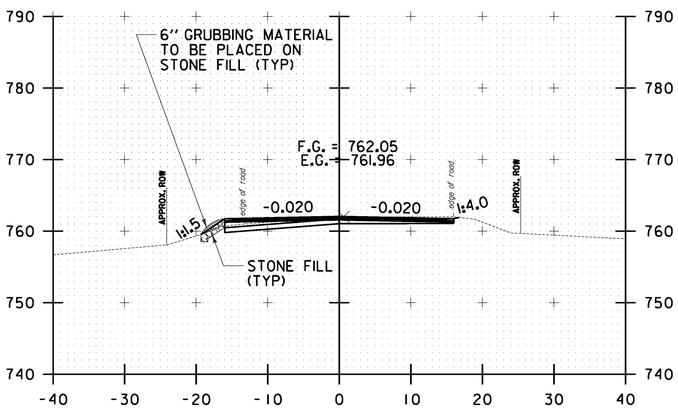
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

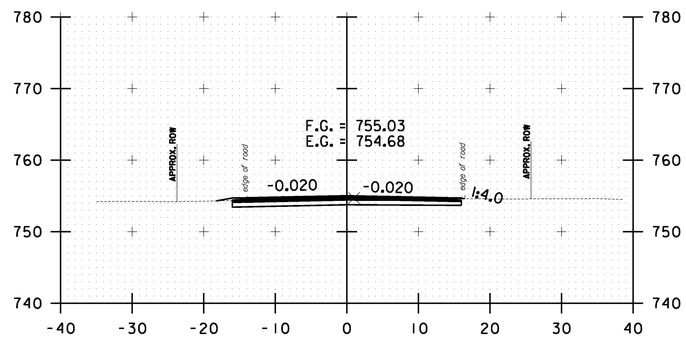
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl14.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 277 OF 310

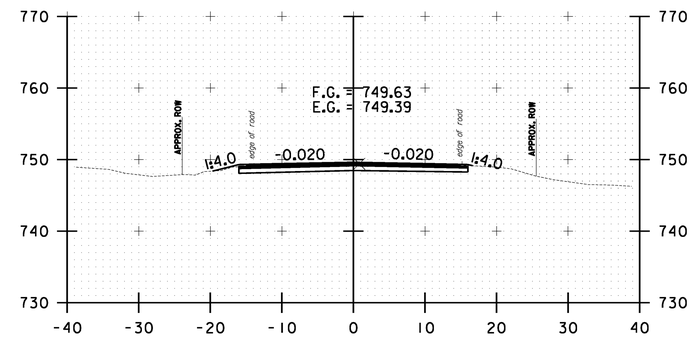
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



70+00.00



71+00.00



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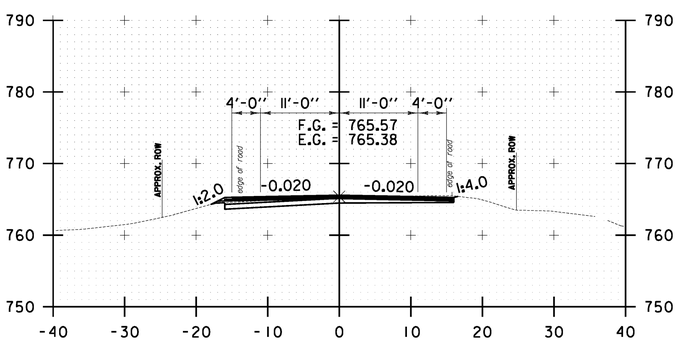

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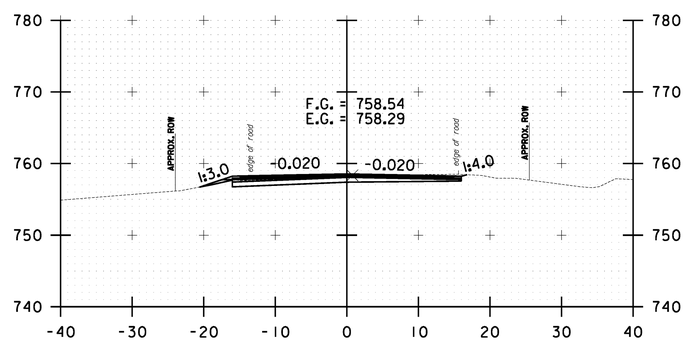

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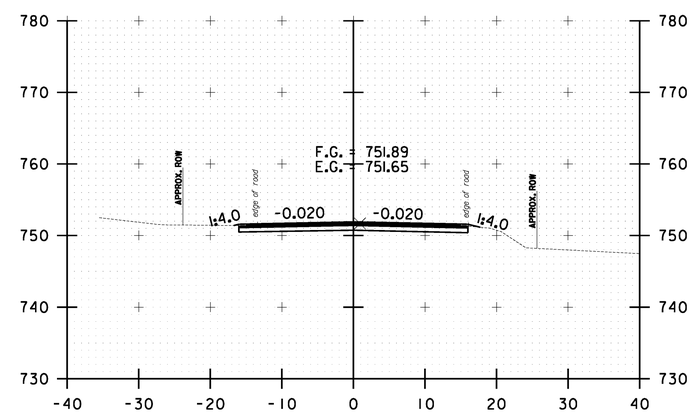


71+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #22

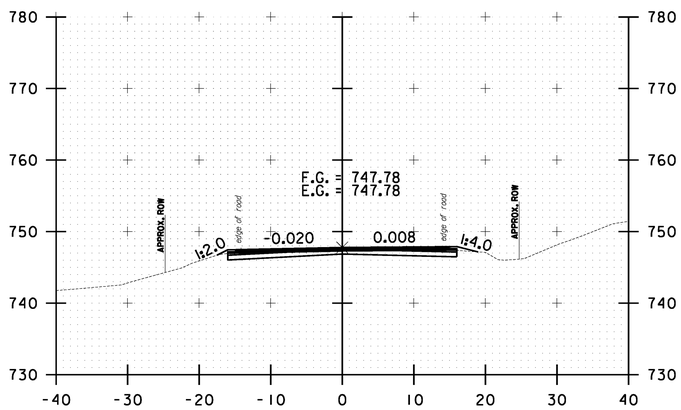
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

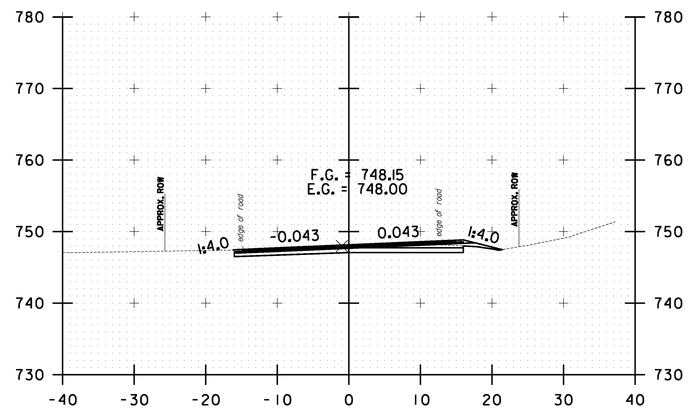
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl15.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 278 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



73+00.00



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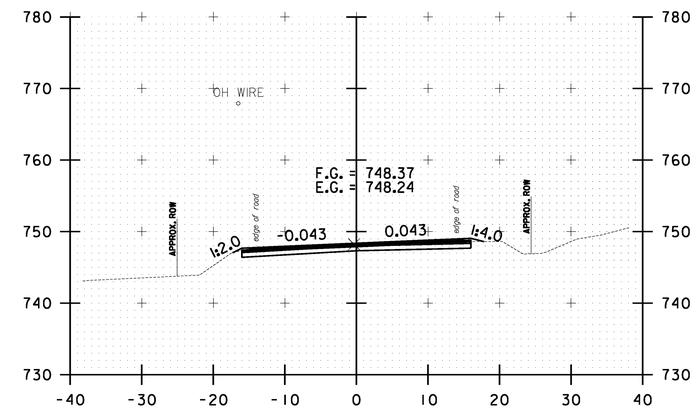

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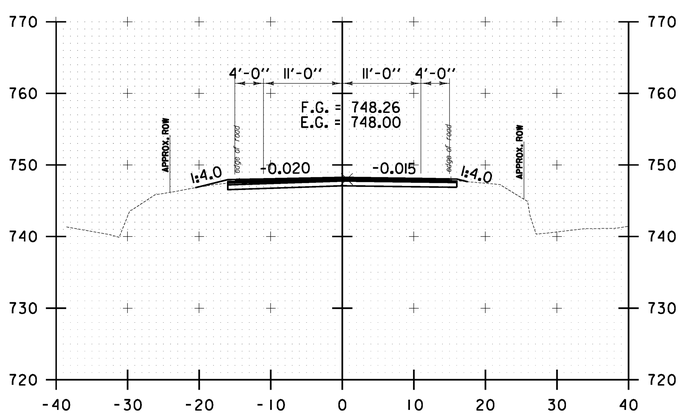

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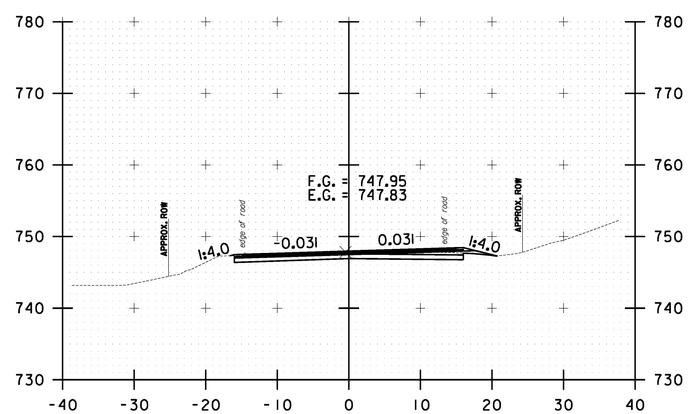

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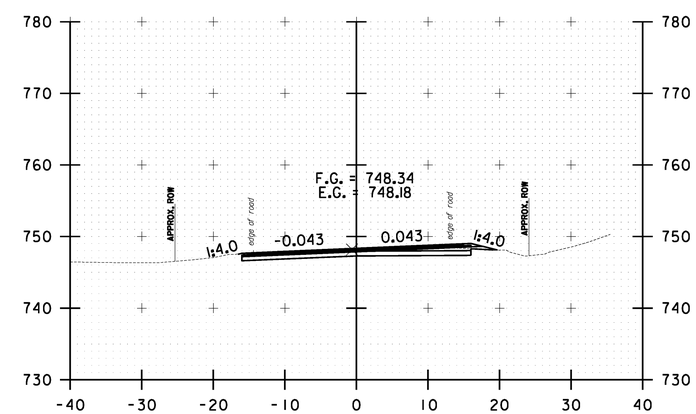


74+50.00

10 0 10
SCALE IN FEET

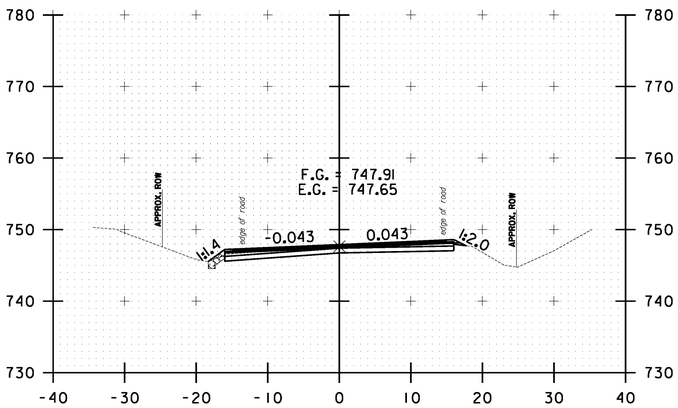
WAITSFIELD CROSS SECTION SHEET #23

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

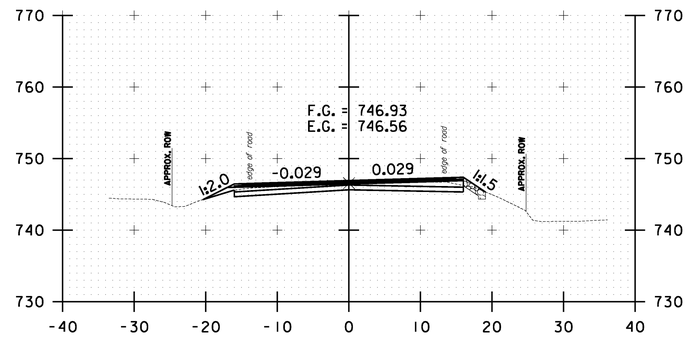
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl16.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 279 OF 310

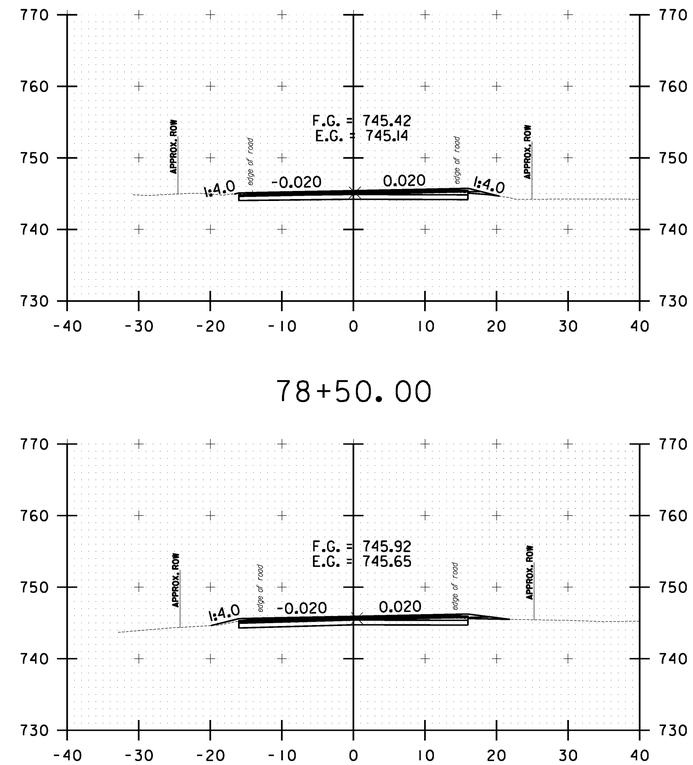
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



76+00.00

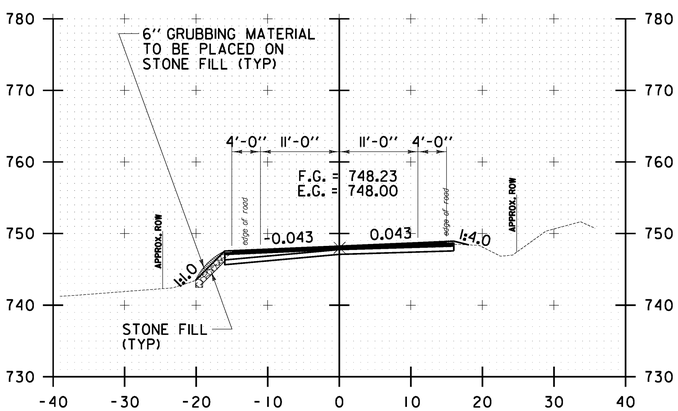


77+00.00



78+50.00

78+00.00



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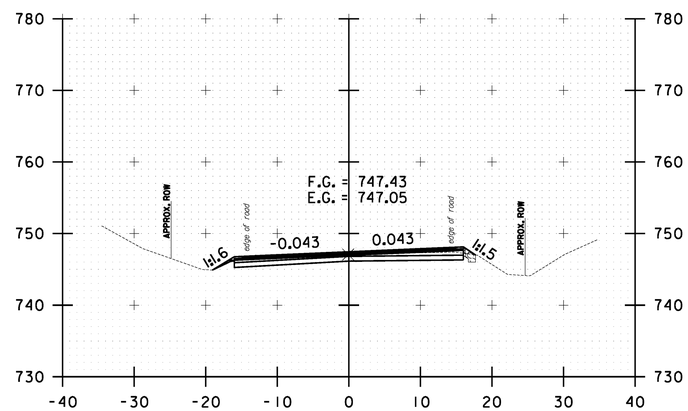

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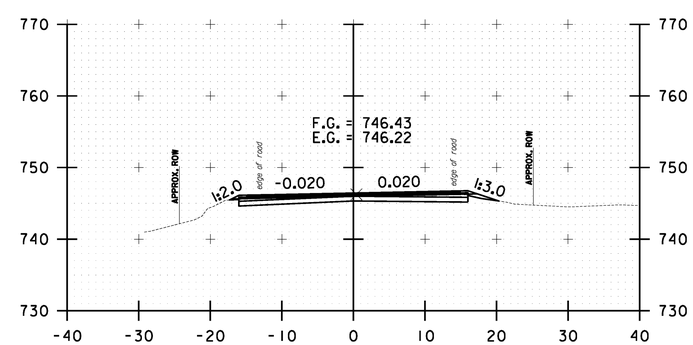


77+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #24

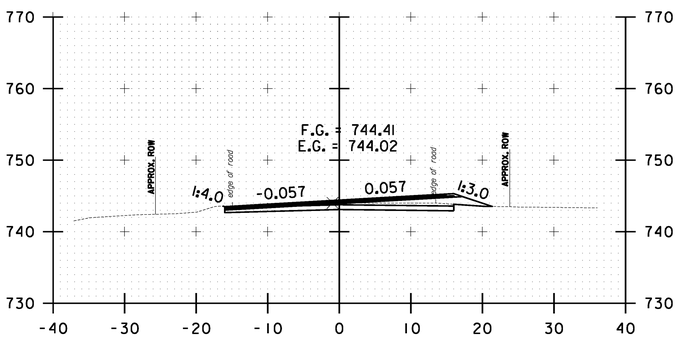
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

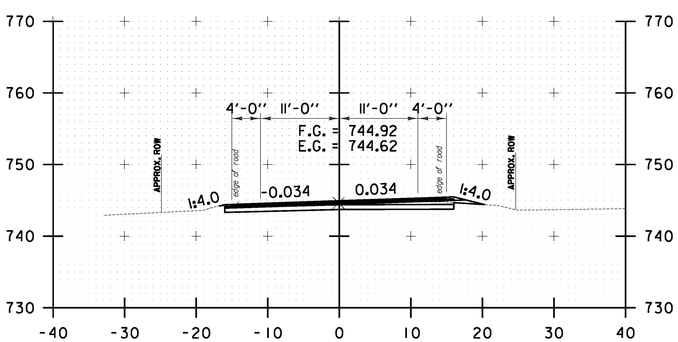
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsll7.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 280 OF 310

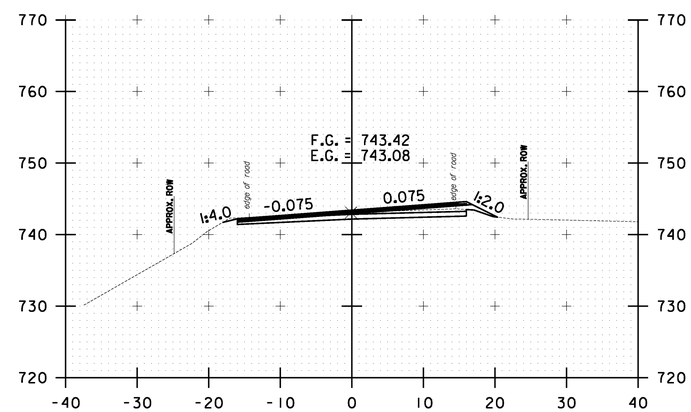
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



79+50.00



79+00.00



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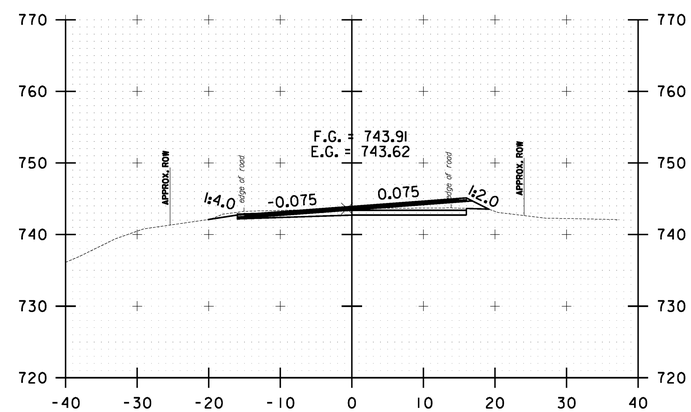

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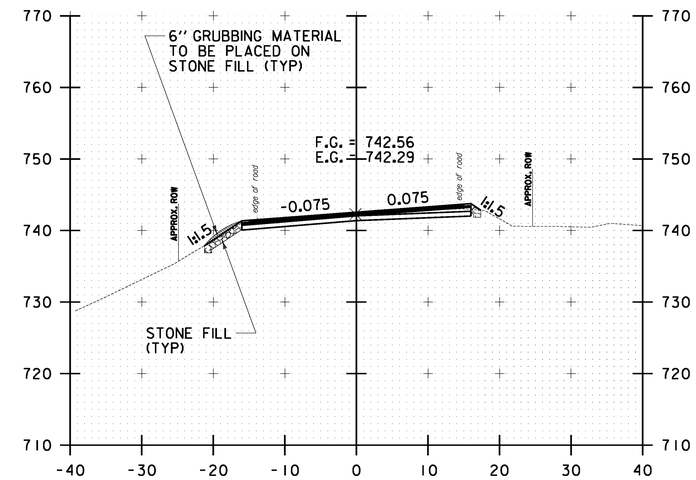

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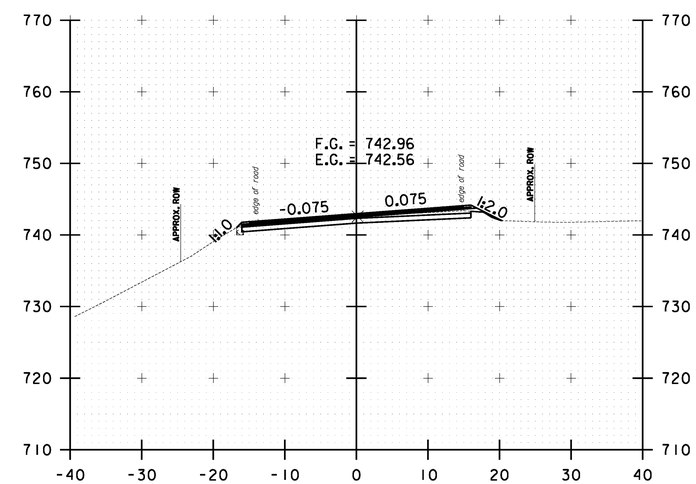


81+00.00

10 0 10
SCALE IN FEET

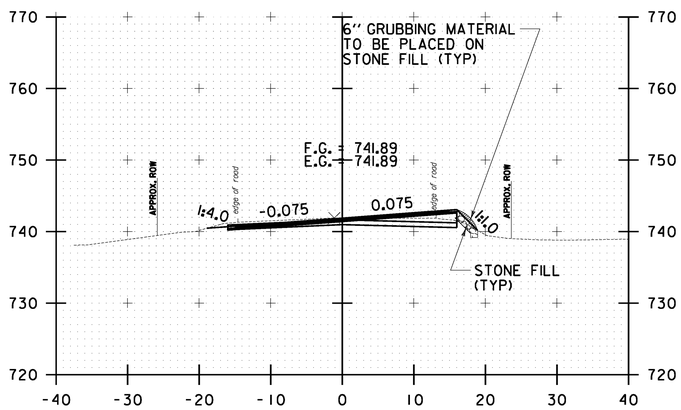
WAITSFIELD CROSS SECTION SHEET #25

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl18.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 281 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



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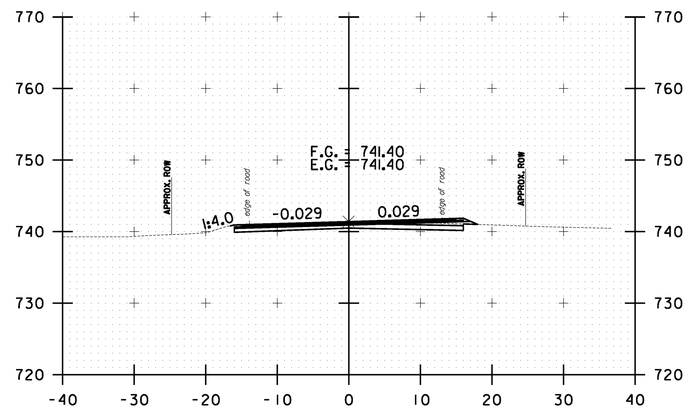
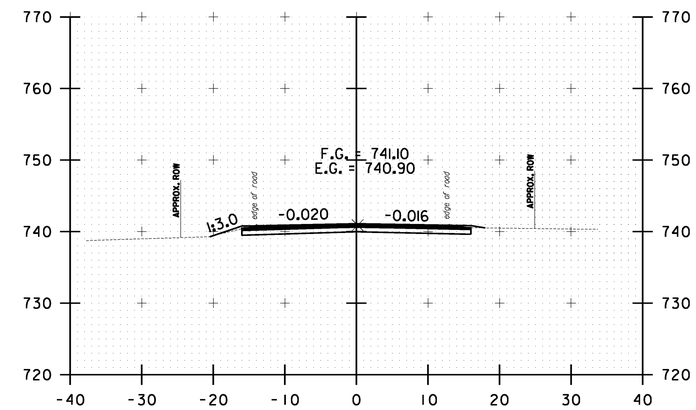


83+50.00



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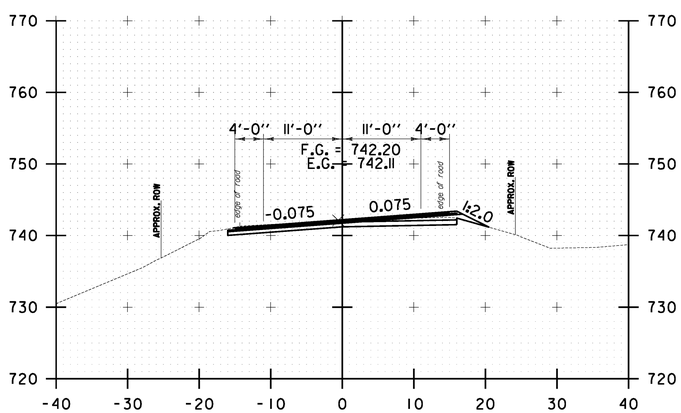

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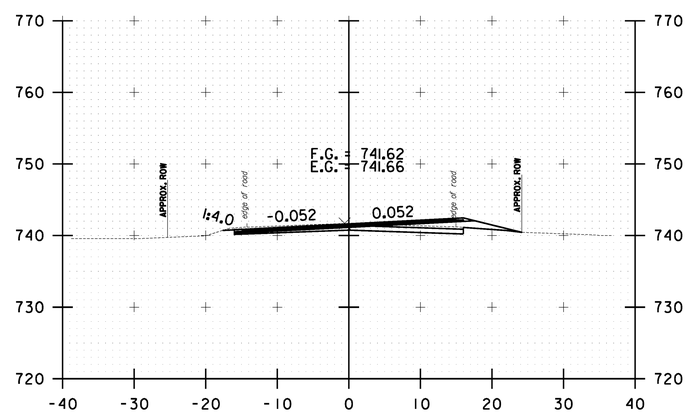

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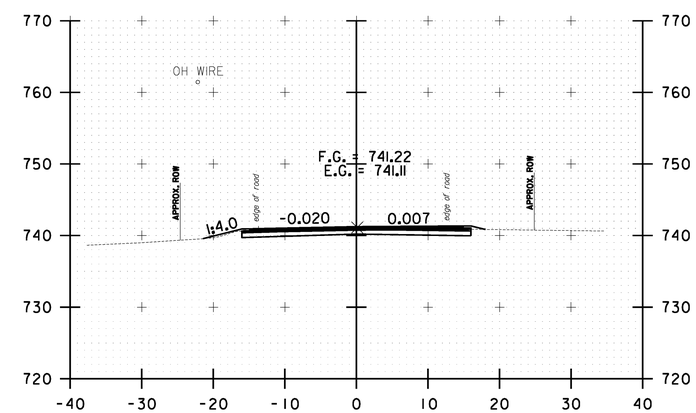


84+00.00

10 0 10
SCALE IN FEET

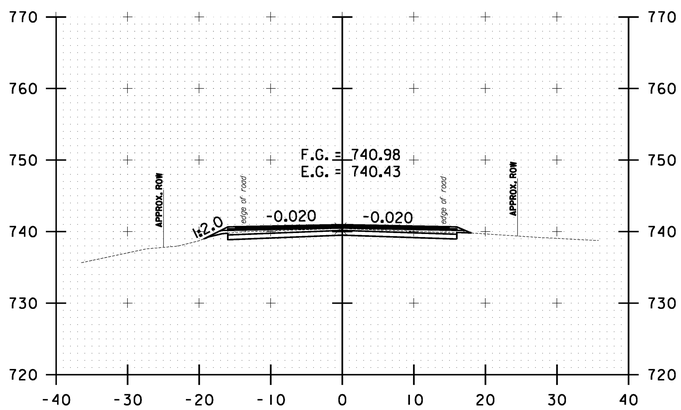
WAITSFIELD CROSS SECTION SHEET #26

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

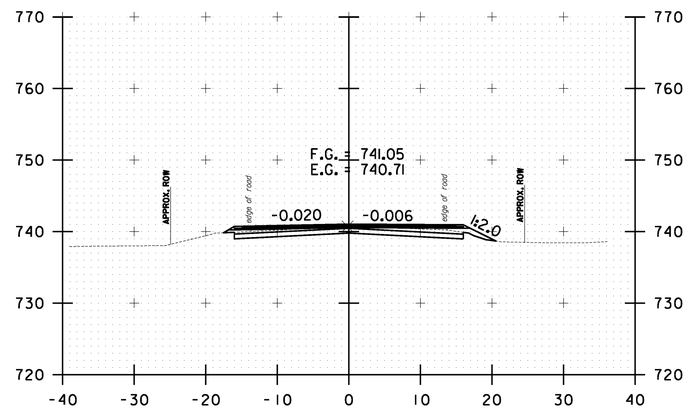
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl19.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 282 OF 310

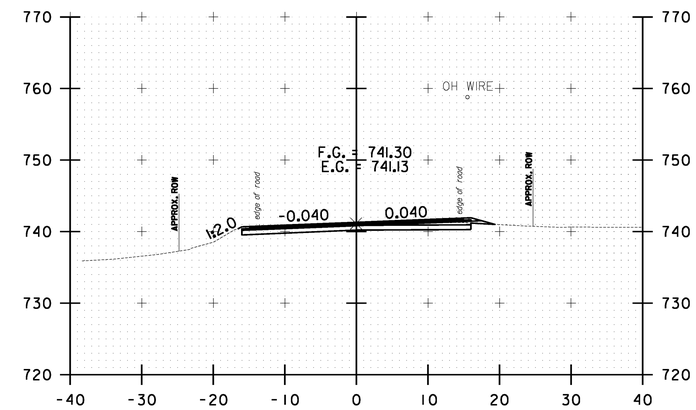
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



85+50.00



86+50.00



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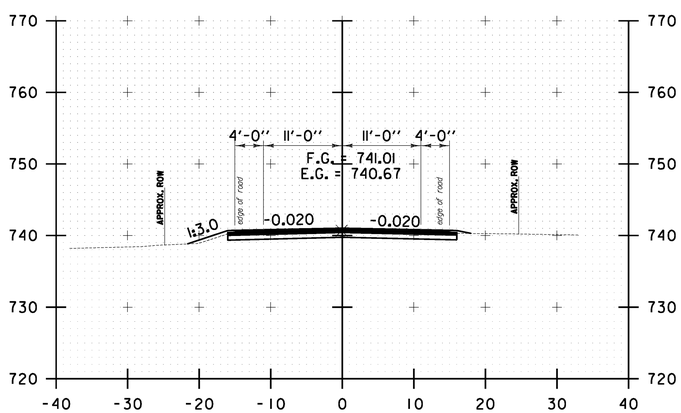

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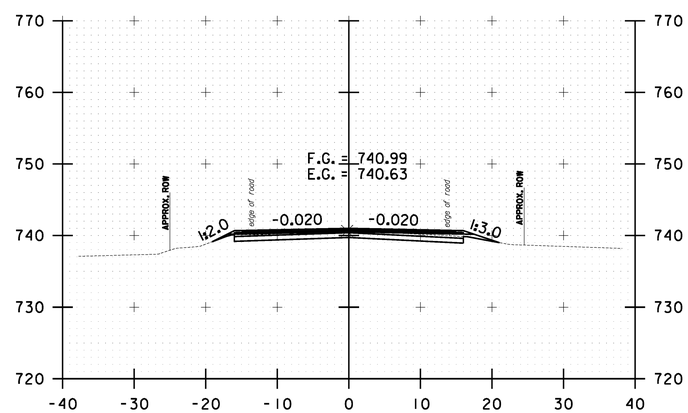

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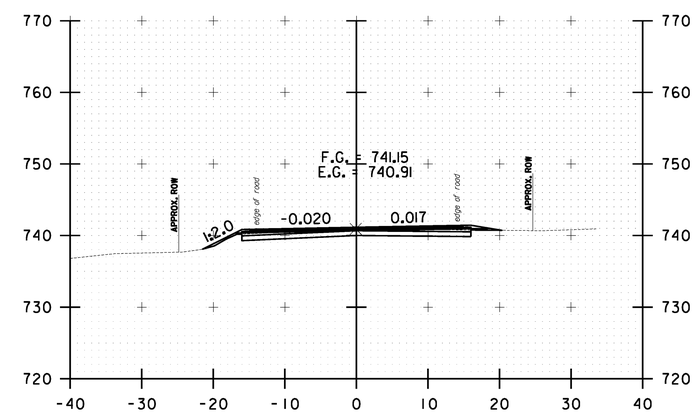


87+00.00

10 0 10
SCALE IN FEET

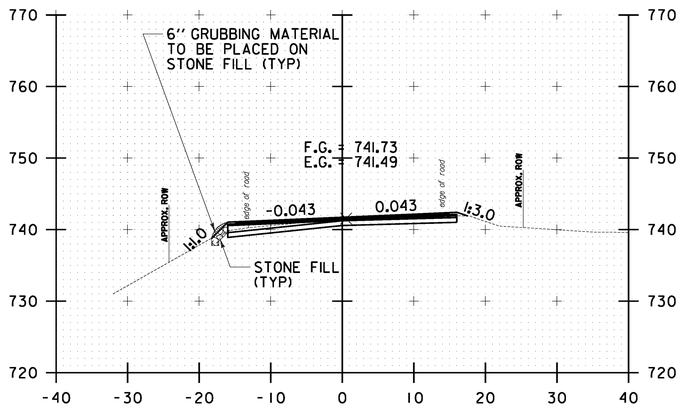
WAITSFIELD CROSS SECTION SHEET #27

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

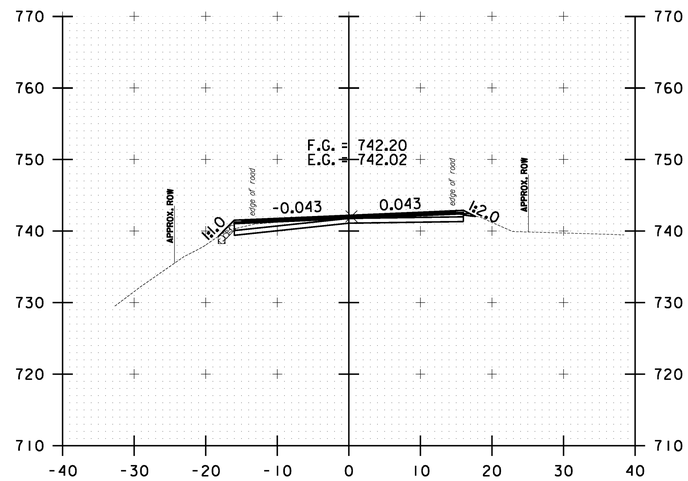
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl20.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 283 OF 310

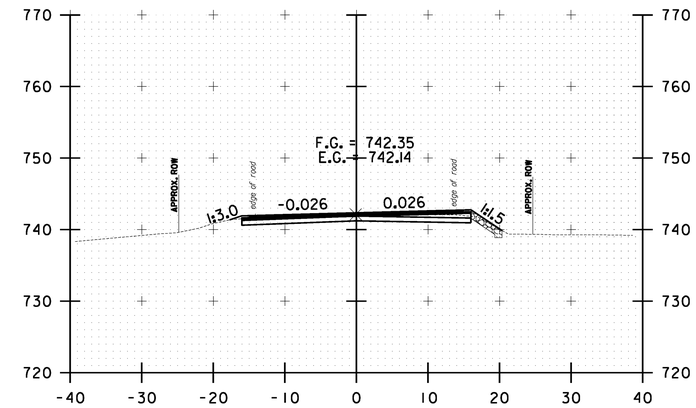
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



88+50.00



89+50.00



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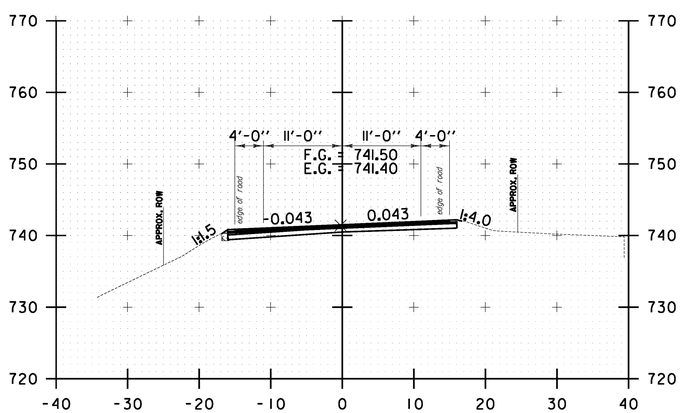

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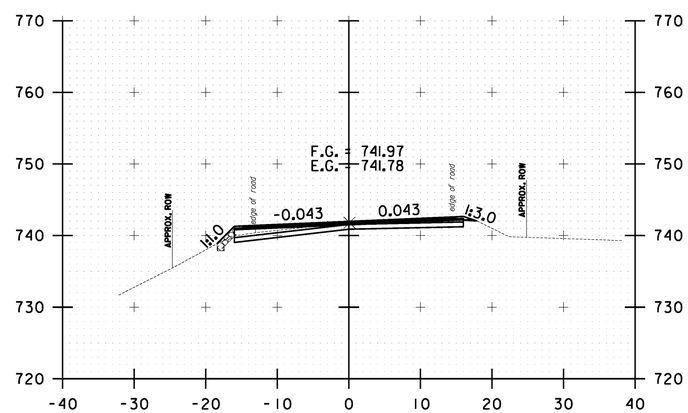

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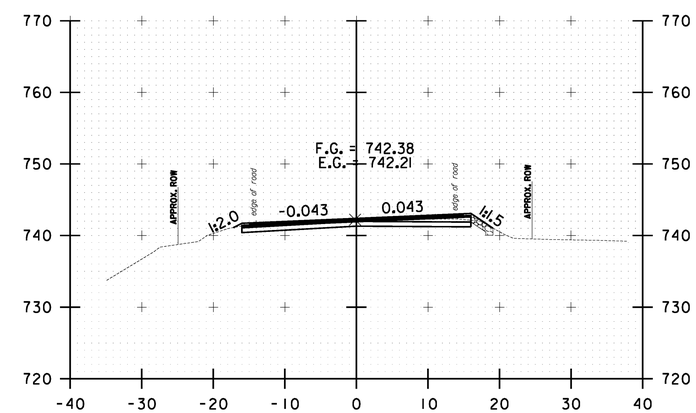


90+00.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #28

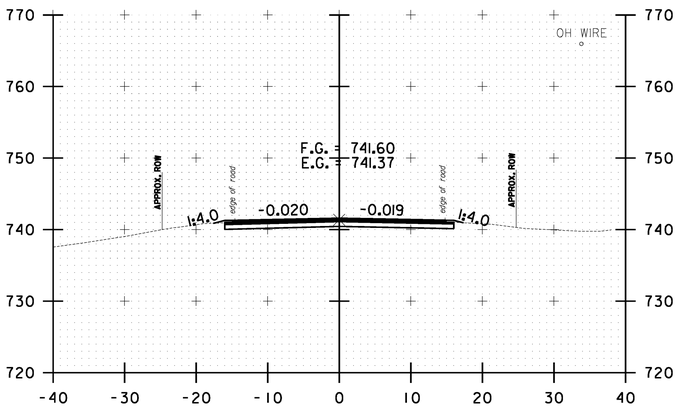
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

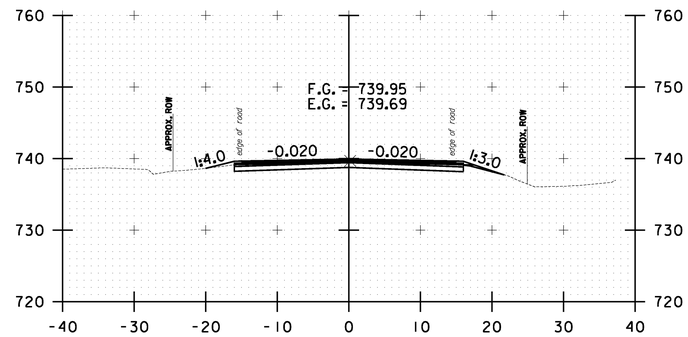
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl21.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 284 OF 310

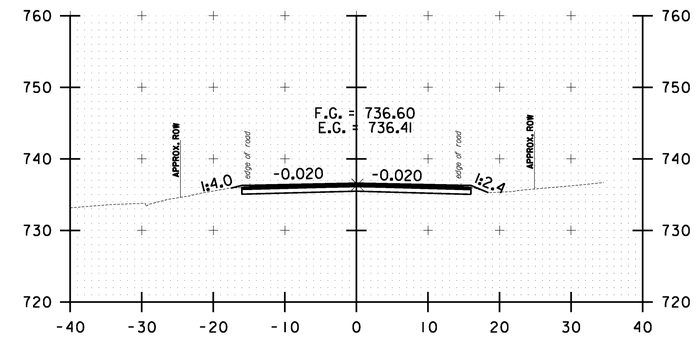
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



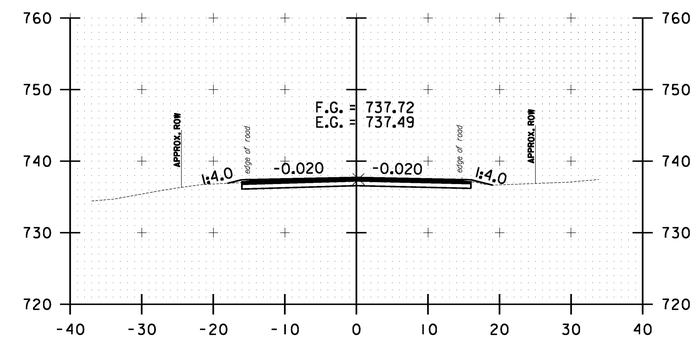
91+50.00



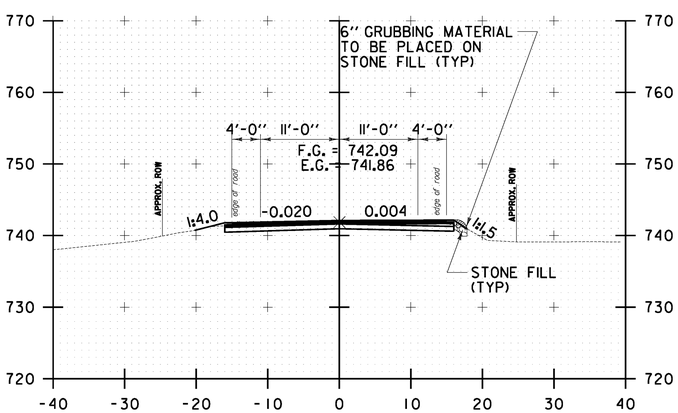
92+50.00



94+00.00



93+50.00



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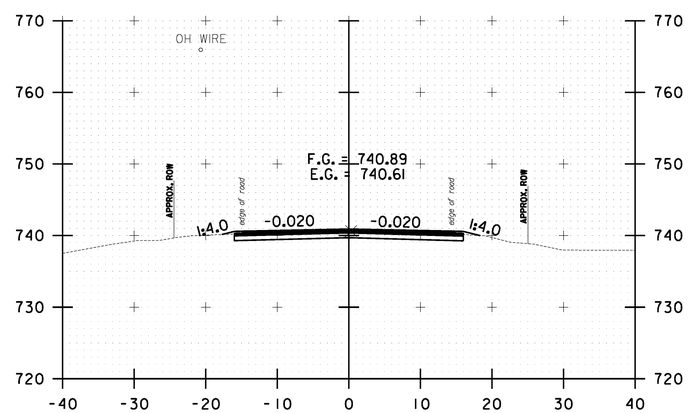

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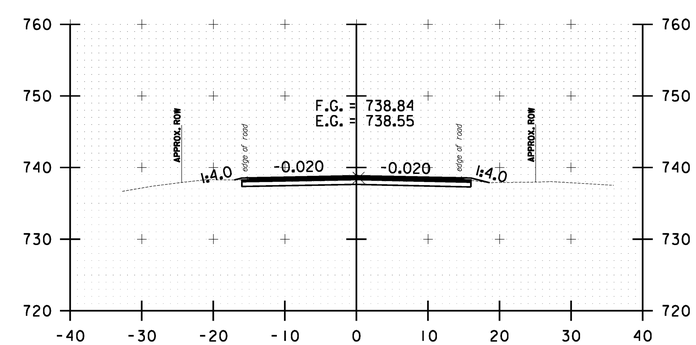


93+00.00

10 0 10
SCALE IN FEET

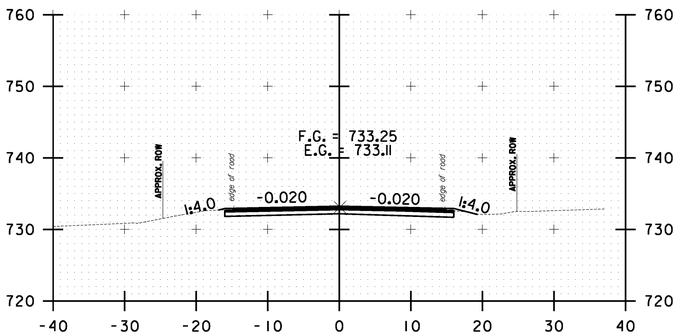
WAITSFIELD CROSS SECTION SHEET #29

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

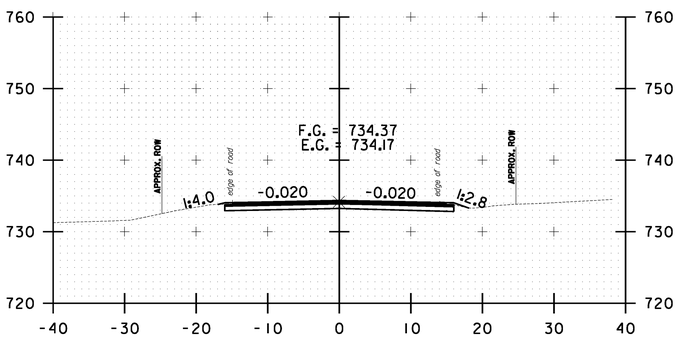
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl22.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 285 OF 310

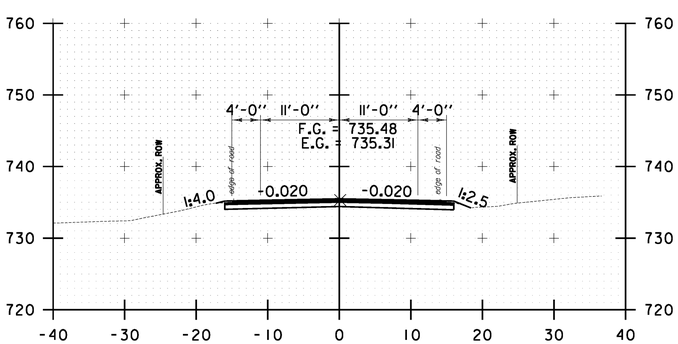
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



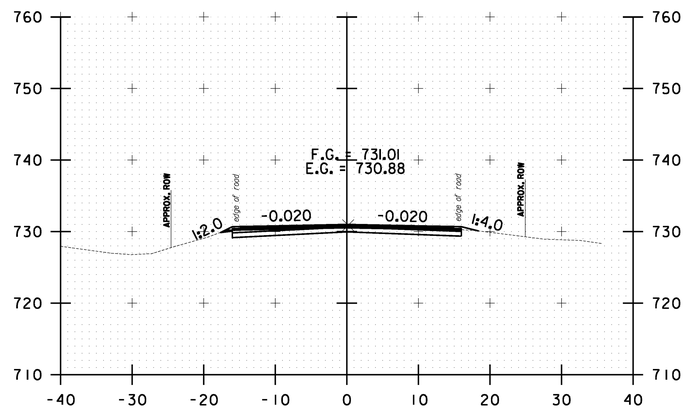
95+50.00



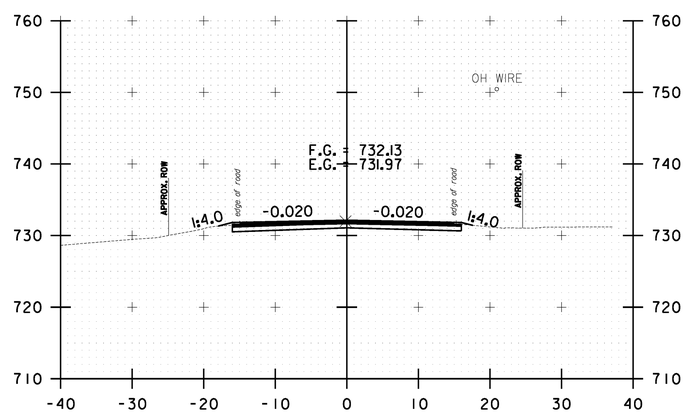
95+00.00



94+50.00



96+50.00



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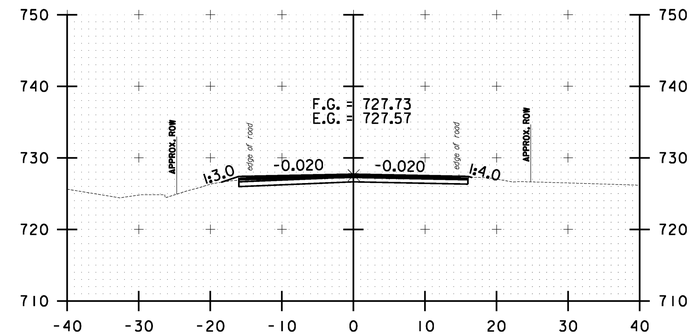
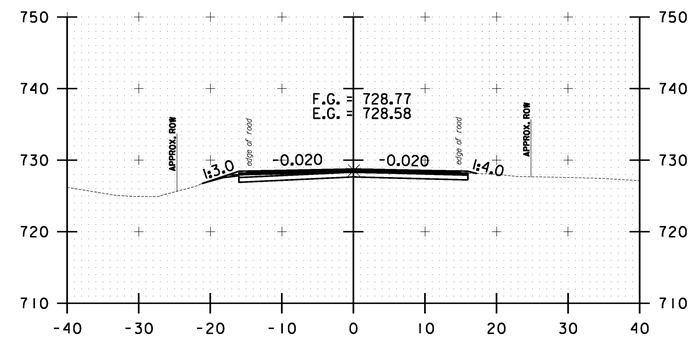


98+00.00



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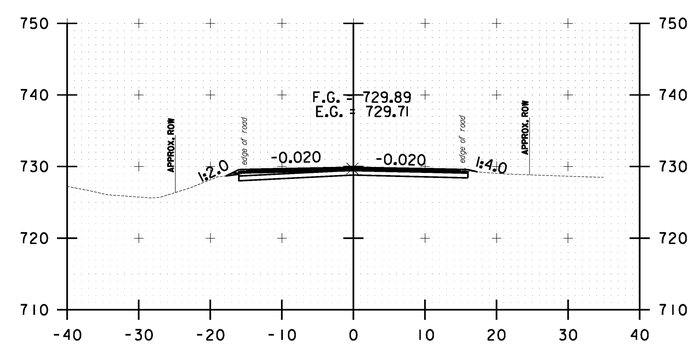


97+00.00

10 0 10
SCALE IN FEET

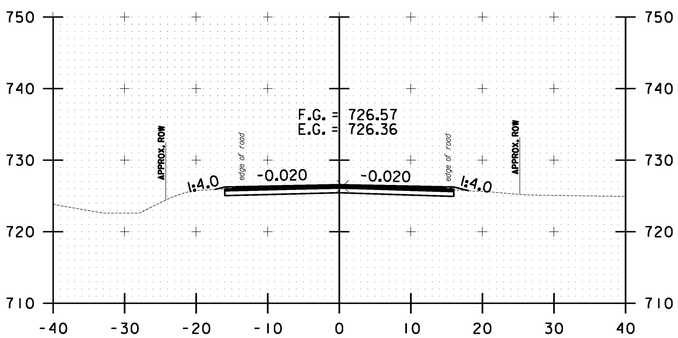
WAITSFIELD CROSS SECTION SHEET #30

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

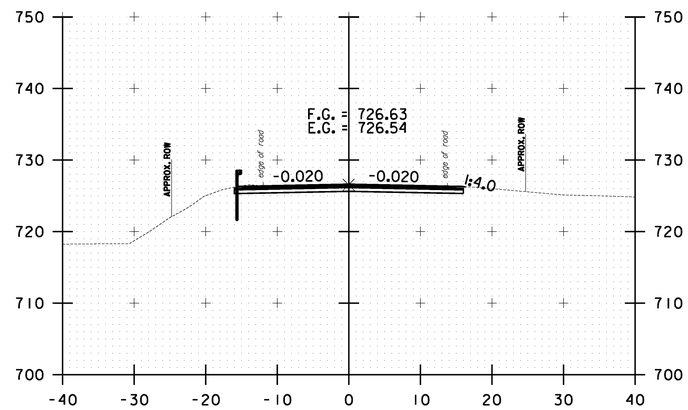
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl23.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 286 OF 310

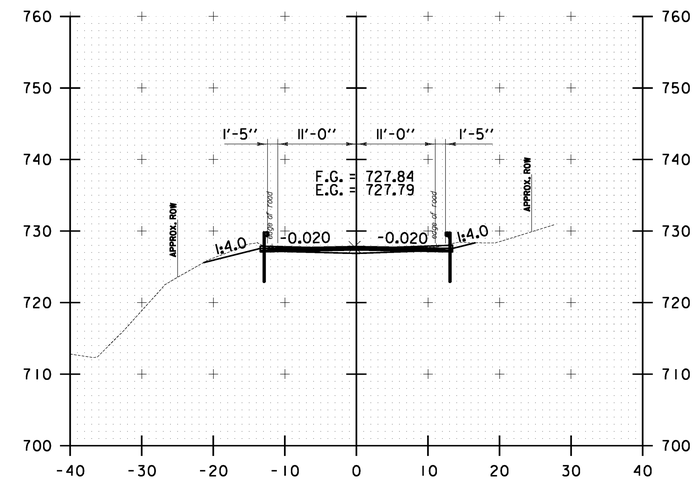
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



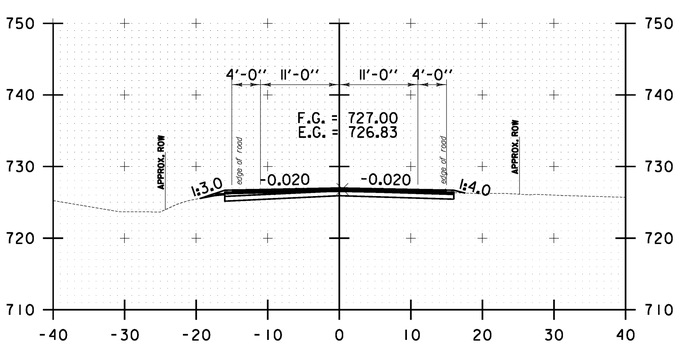
99+00.00



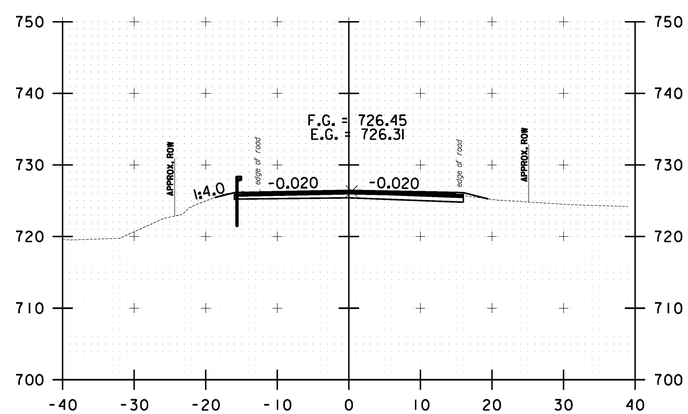
100+00.00



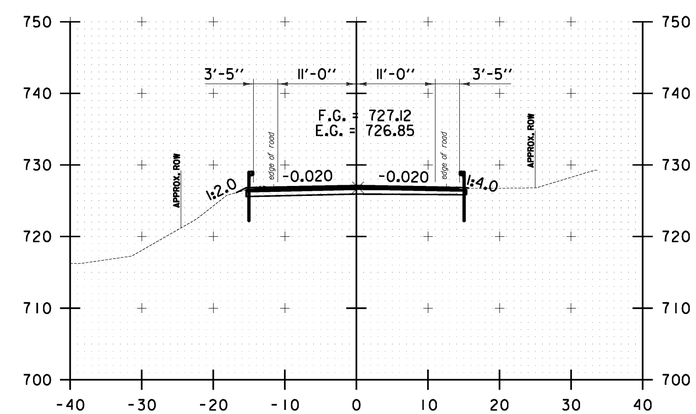
101+00.00



98+50.00



99+50.00



100+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #31

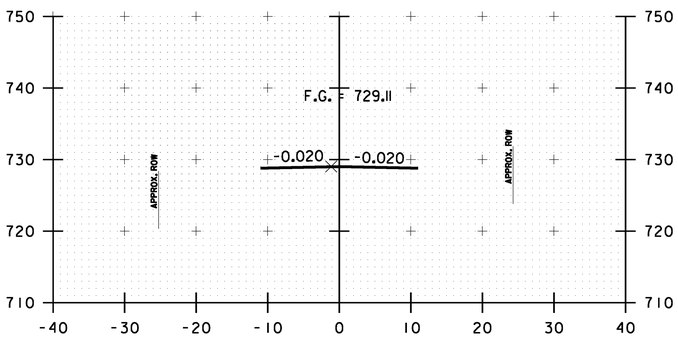
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

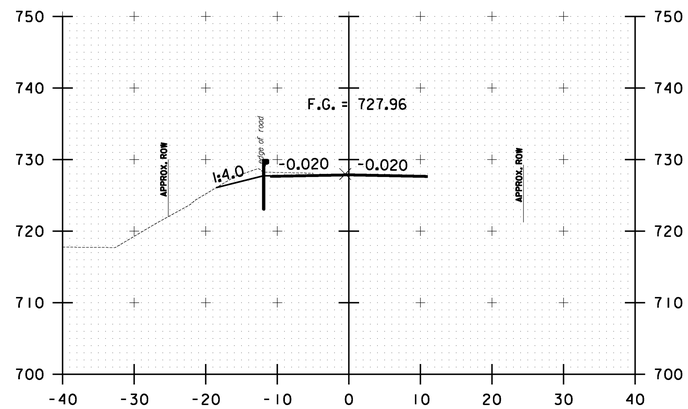
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl24.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 287 OF 310

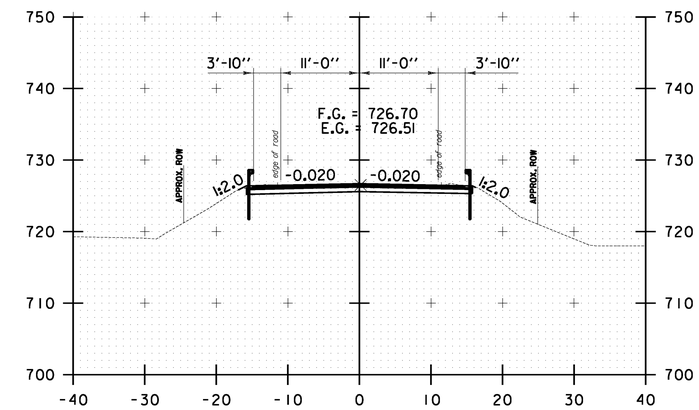
FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



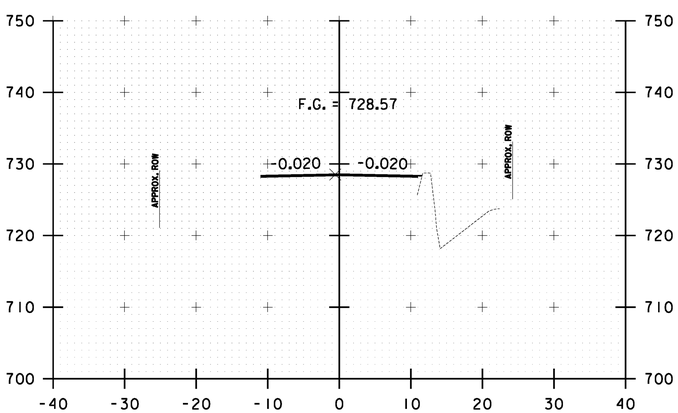
102+00.00



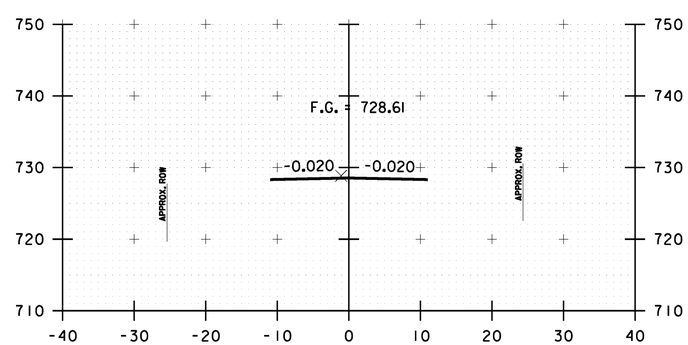
103+00.00



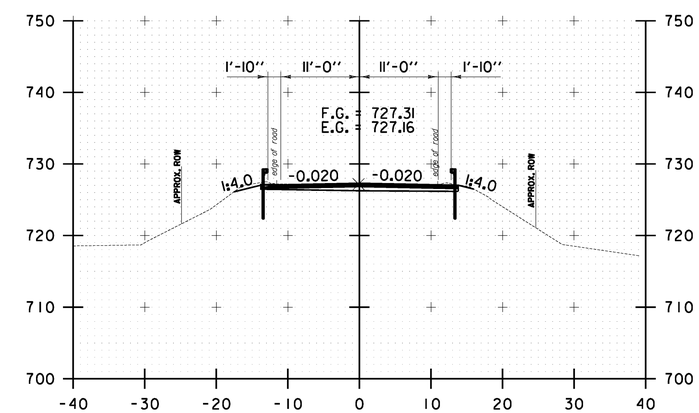
104+00.00



101+50.00



102+50.00



103+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #32

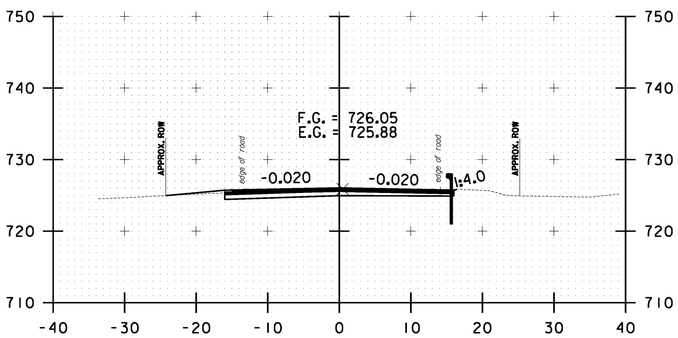
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

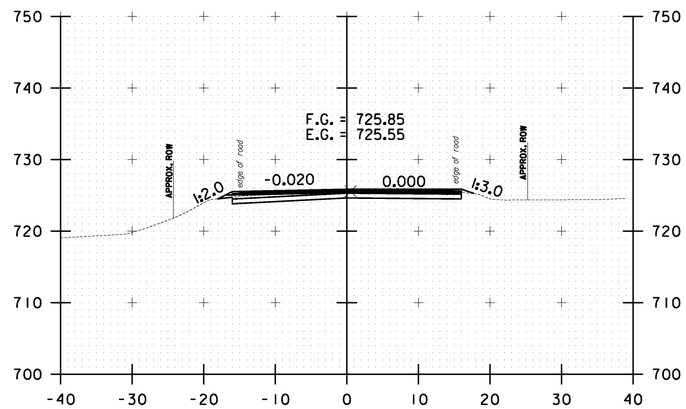
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xs125.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 288 OF 310

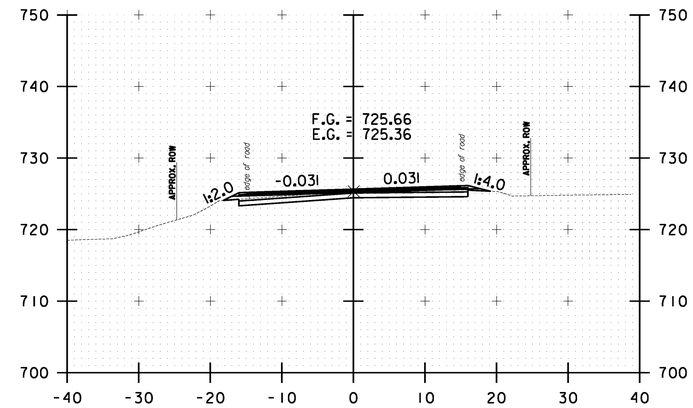
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



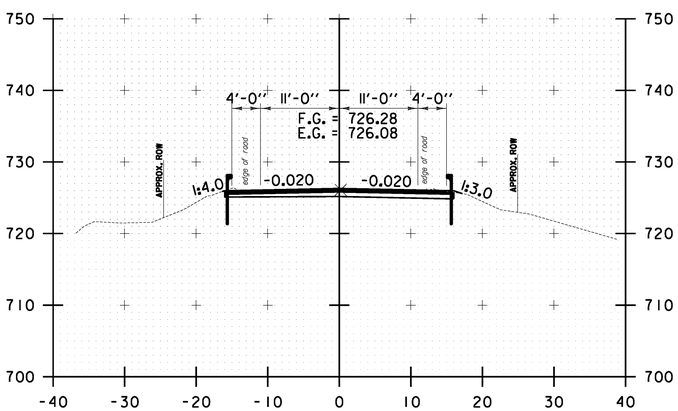
105+00.00



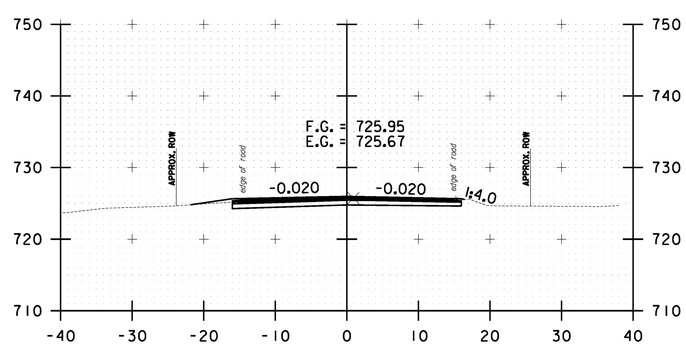
106+00.00



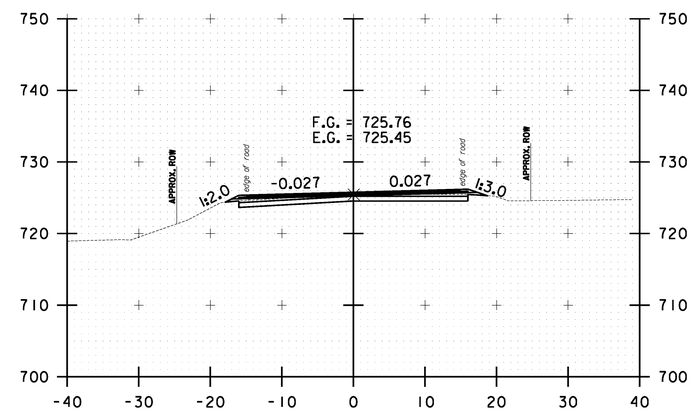
107+00.00



104+50.00



105+50.00



106+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #33

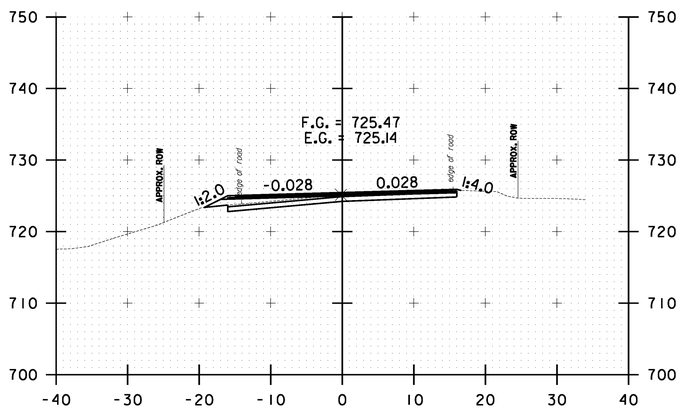
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl26.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 289 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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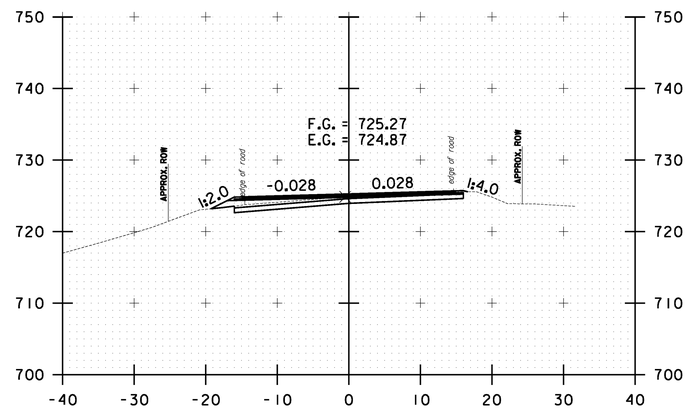

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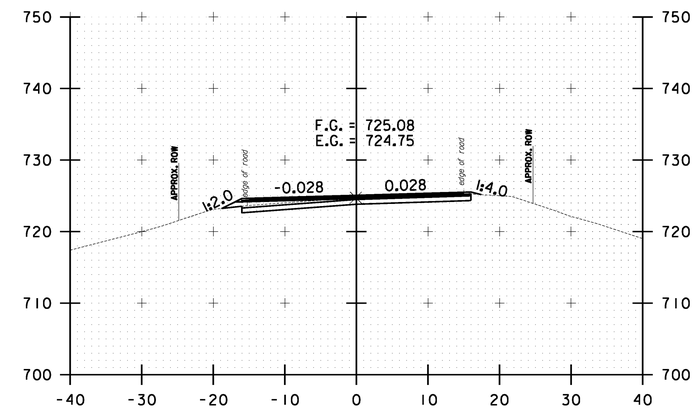

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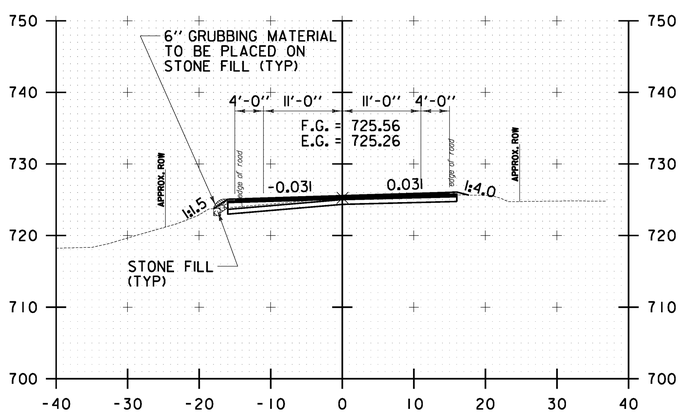
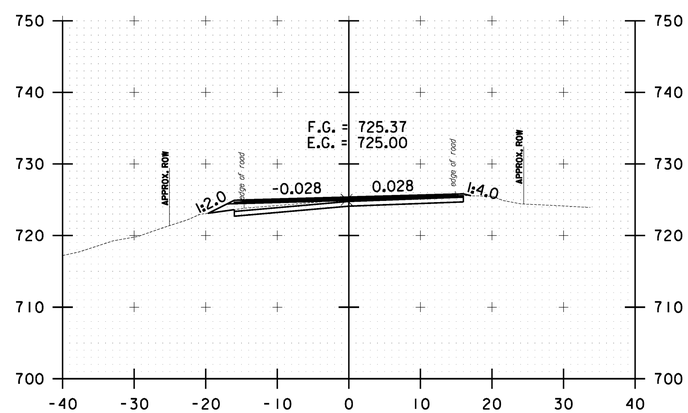
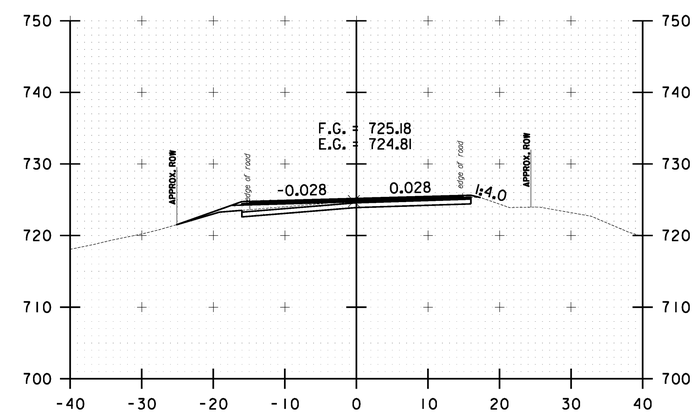


107+50.00



108+50.00



109+50.00

10 0 10
SCALE IN FEET

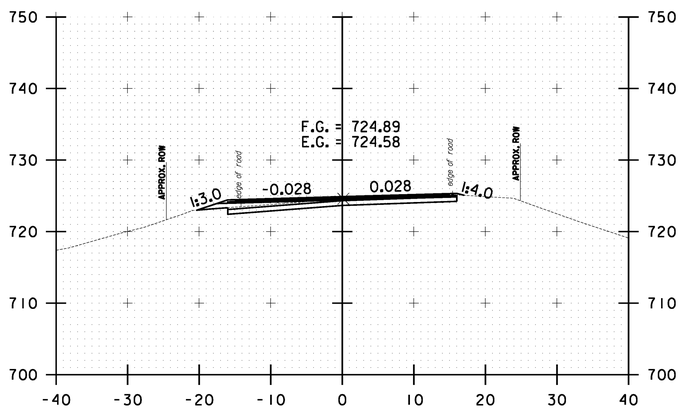
WAITSFIELD CROSS SECTION SHEET #34

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl27.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 290 OF 310

FILE NAME = U:\17762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



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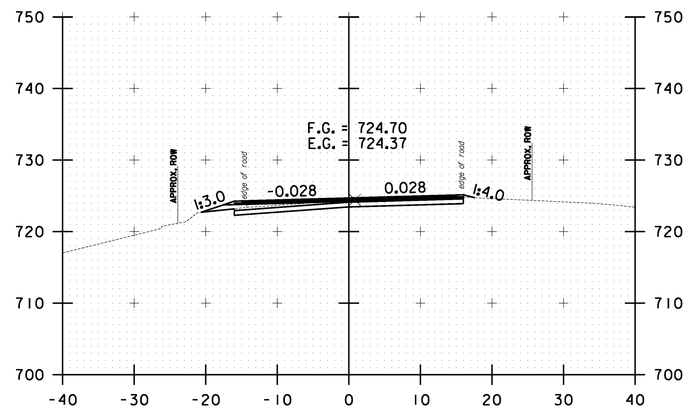
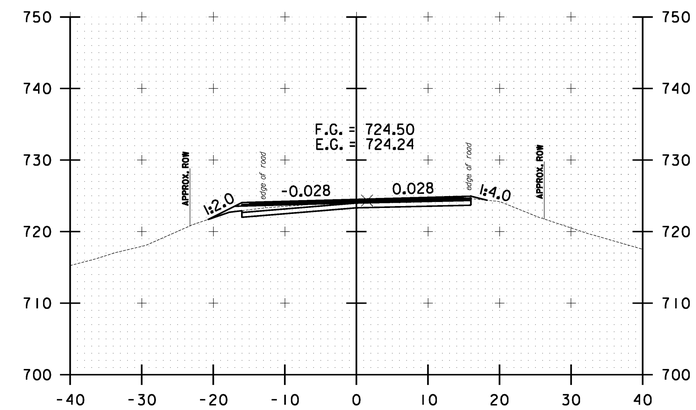
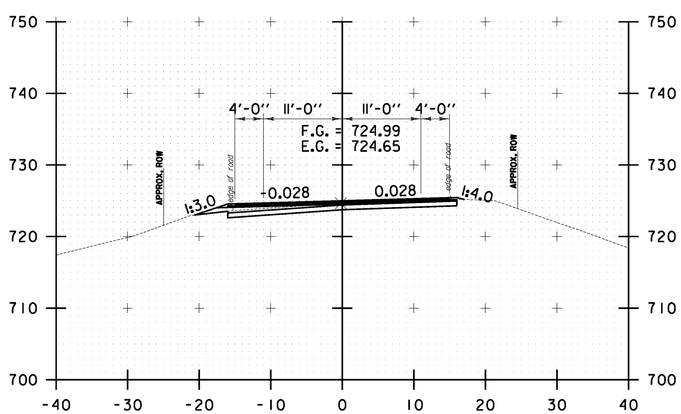


112+00.00



113+00.00



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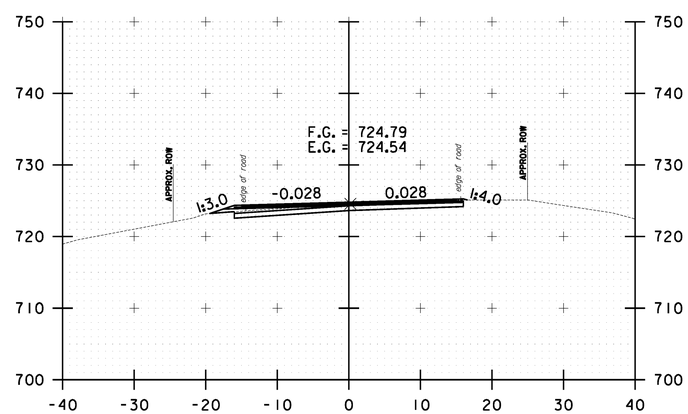
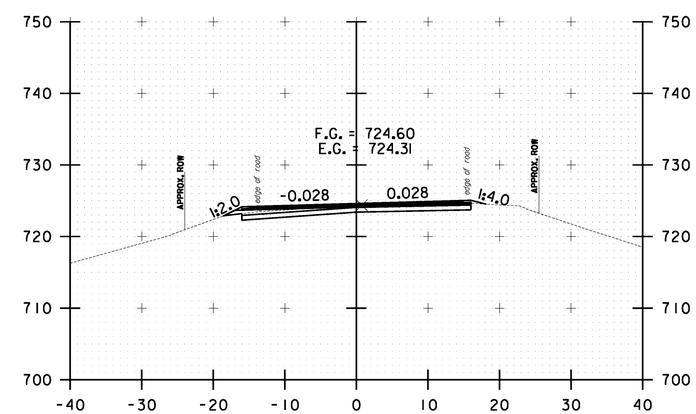


111+50.00



112+50.00

10 0 10
SCALE IN FEET

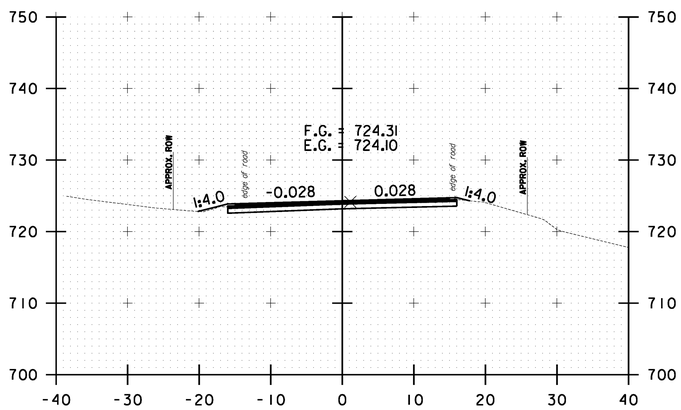
WAITSFIELD CROSS SECTION SHEET #35

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

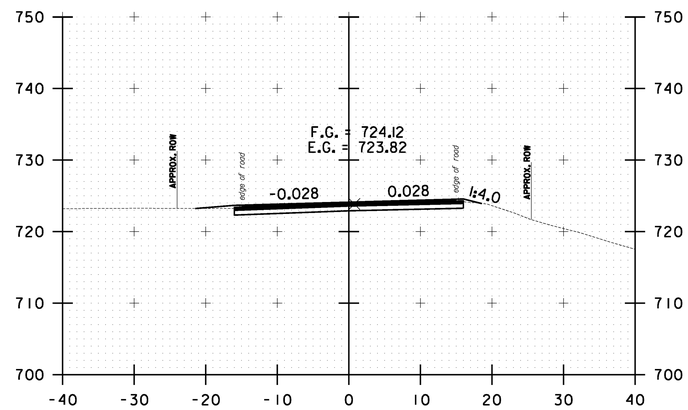
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl28.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 291 OF 310

FILE NAME = U:\17762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



114+00.00



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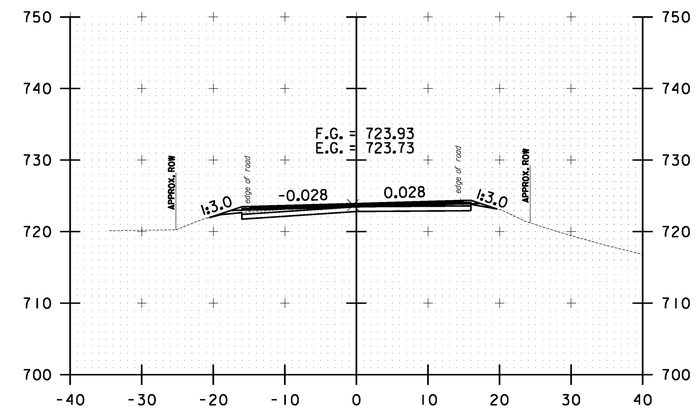
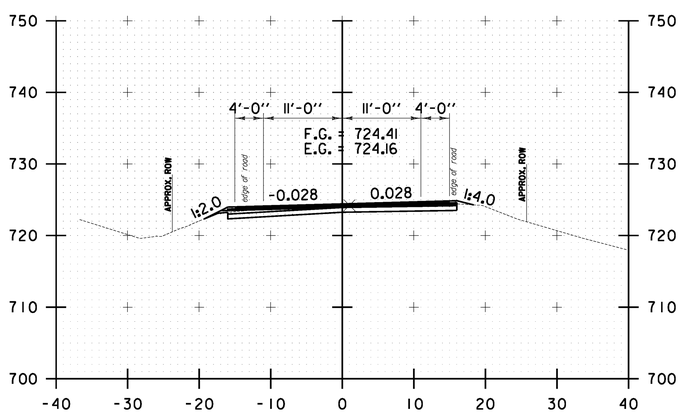
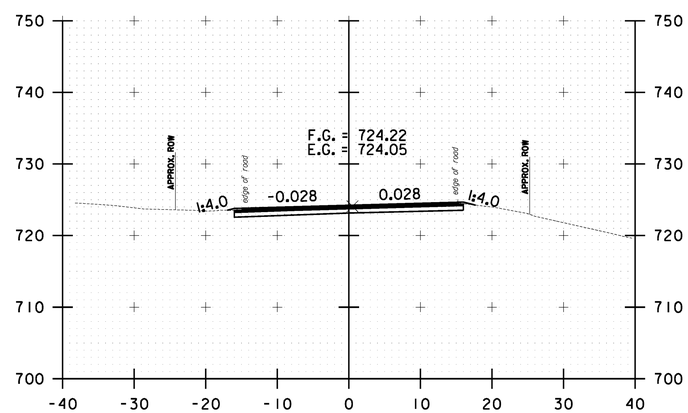


116+00.00



113+50.00



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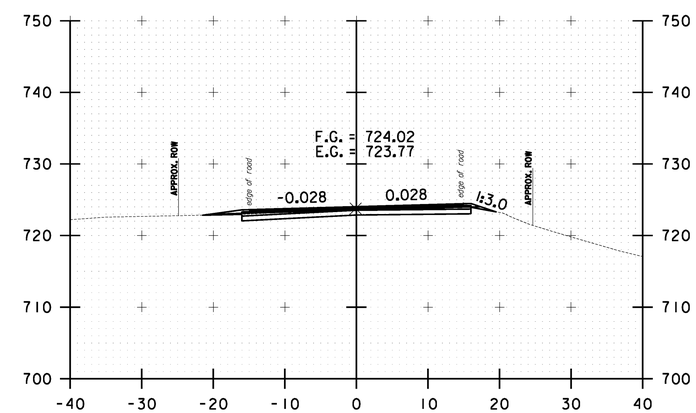


115+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #36

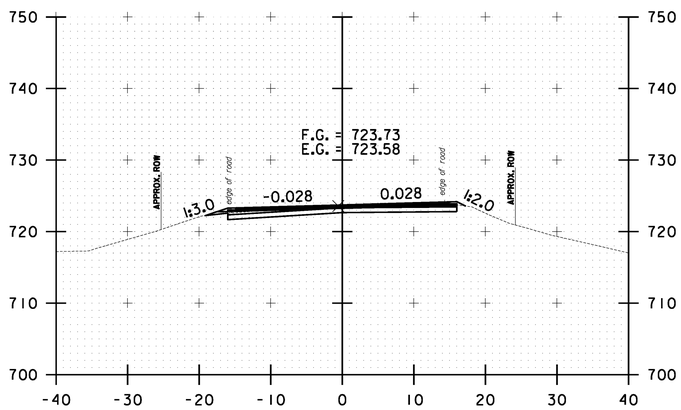
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

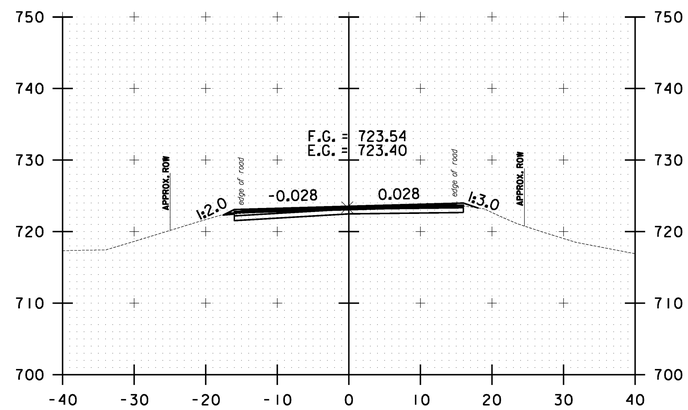
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl29.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 292 OF 310

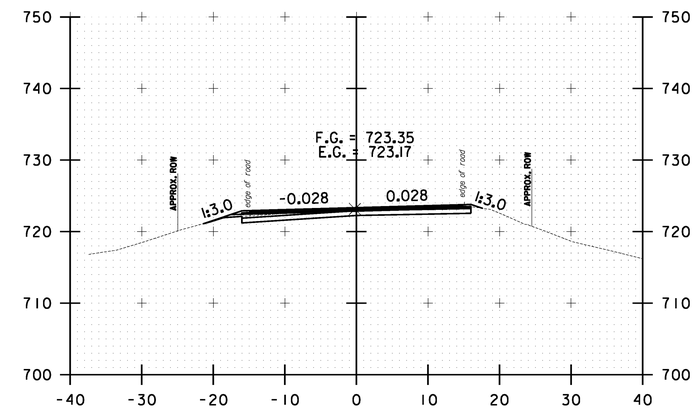
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



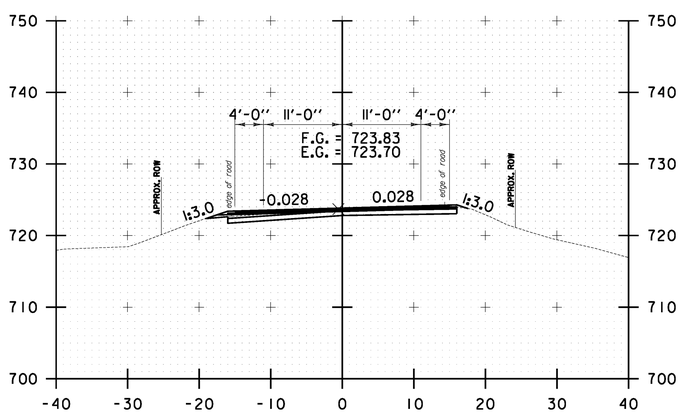
117+00.00



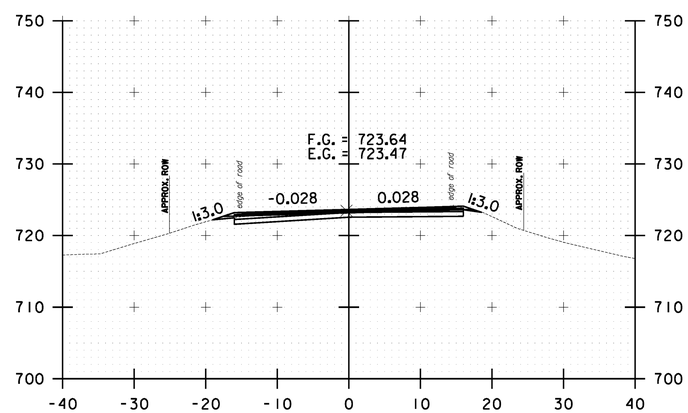
118+00.00



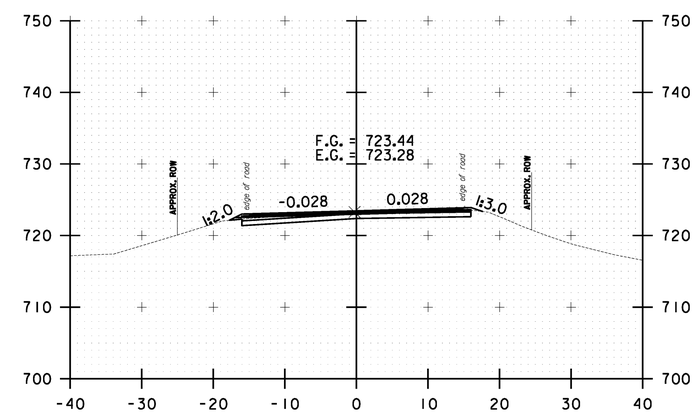
119+00.00



116+50.00



117+50.00



118+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #37

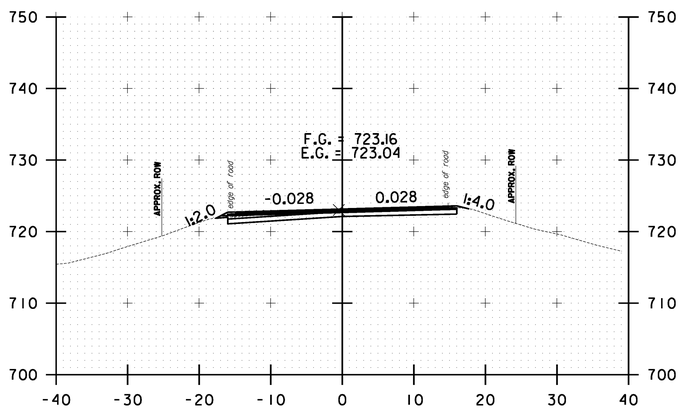
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

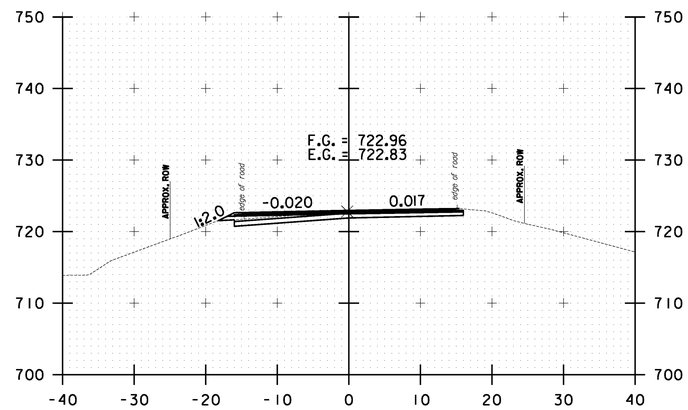
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl30.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 293 OF 310

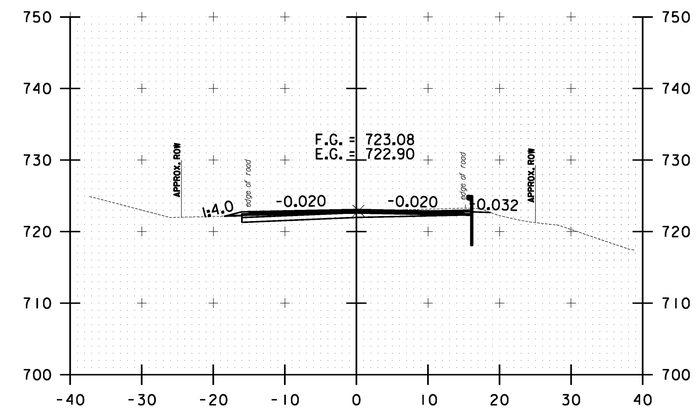
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



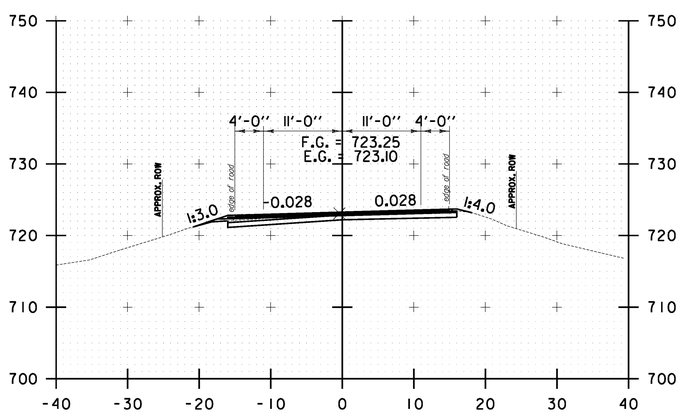
120+00.00



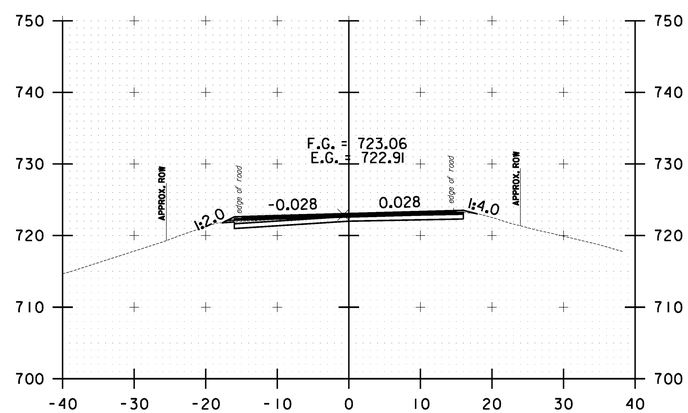
121+00.00



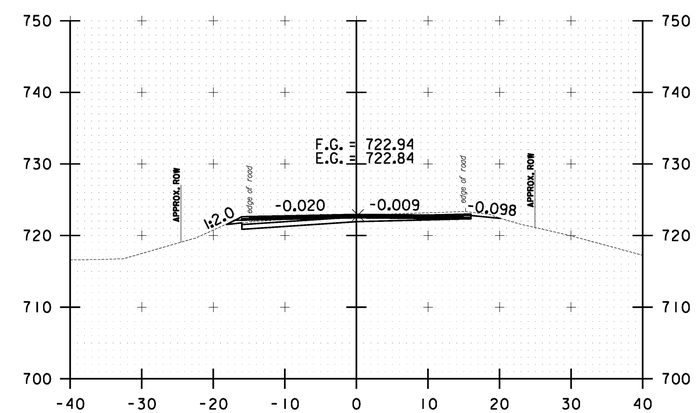
122+00.00



119+50.00



120+50.00



121+50.00

10 0 10
SCALE IN FEET

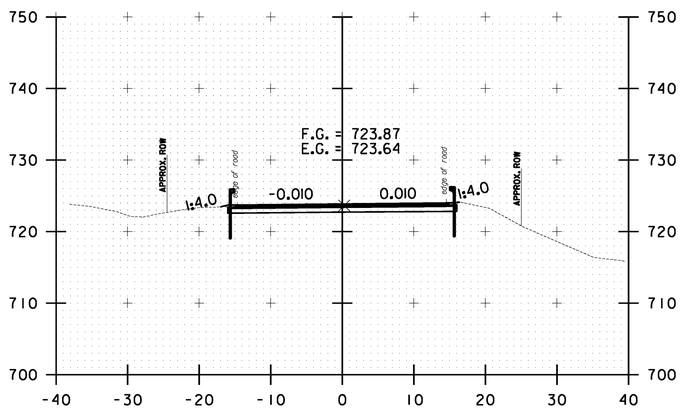
WAITSFIELD CROSS SECTION SHEET #38

PROJECT NAME: WARREN-WAITSFIELD
PROJECT NUMBER: STP 2506(1)

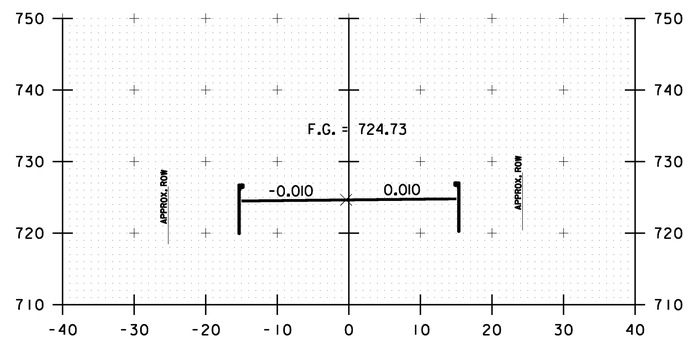
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl31.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 294 OF 310

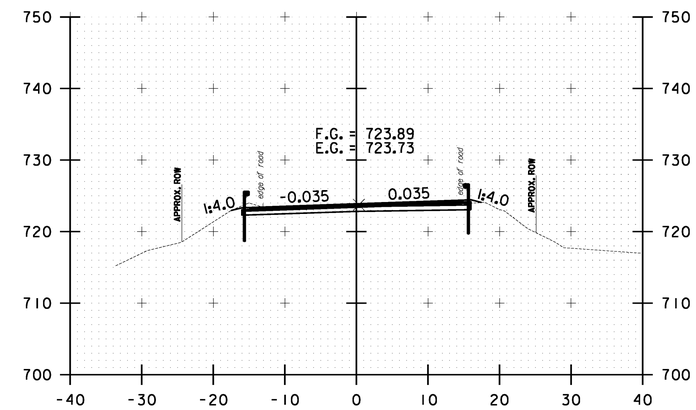
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



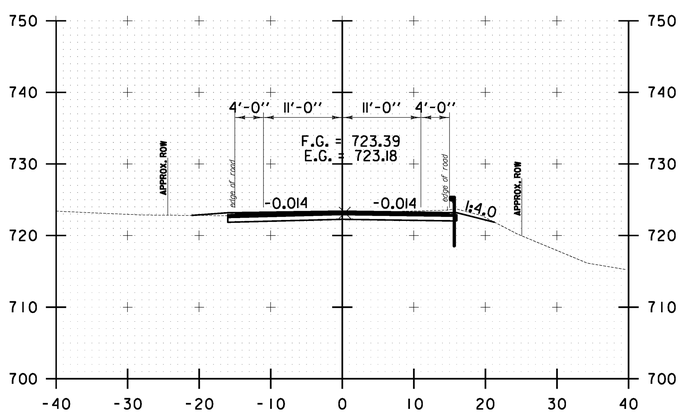
123+00.00



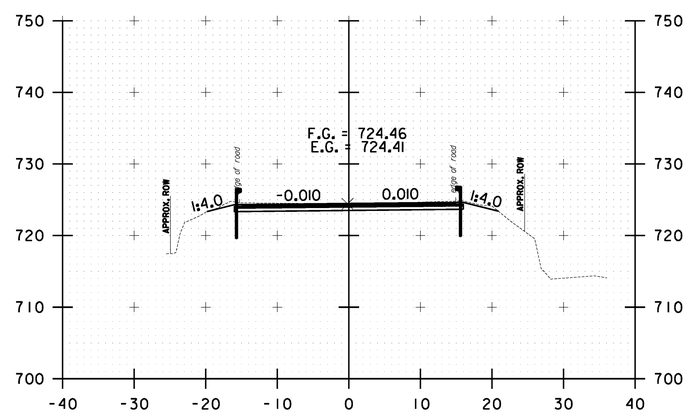
124+00.00



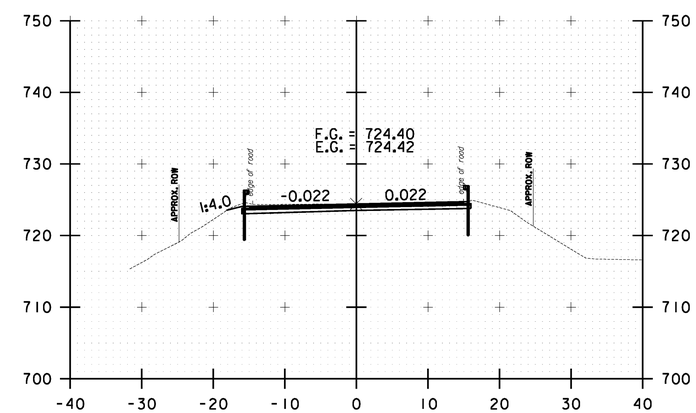
125+00.00



122+50.00



123+50.00



124+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #39

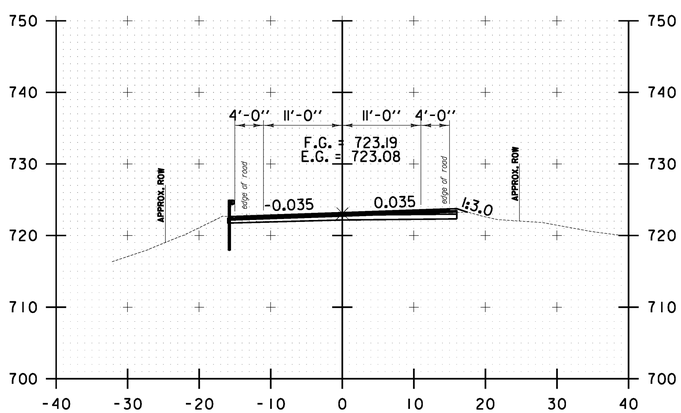
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl32.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 295 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



125+50.00

10 0 10
SCALE IN FEET

WAITSFIELD CROSS SECTION SHEET #40

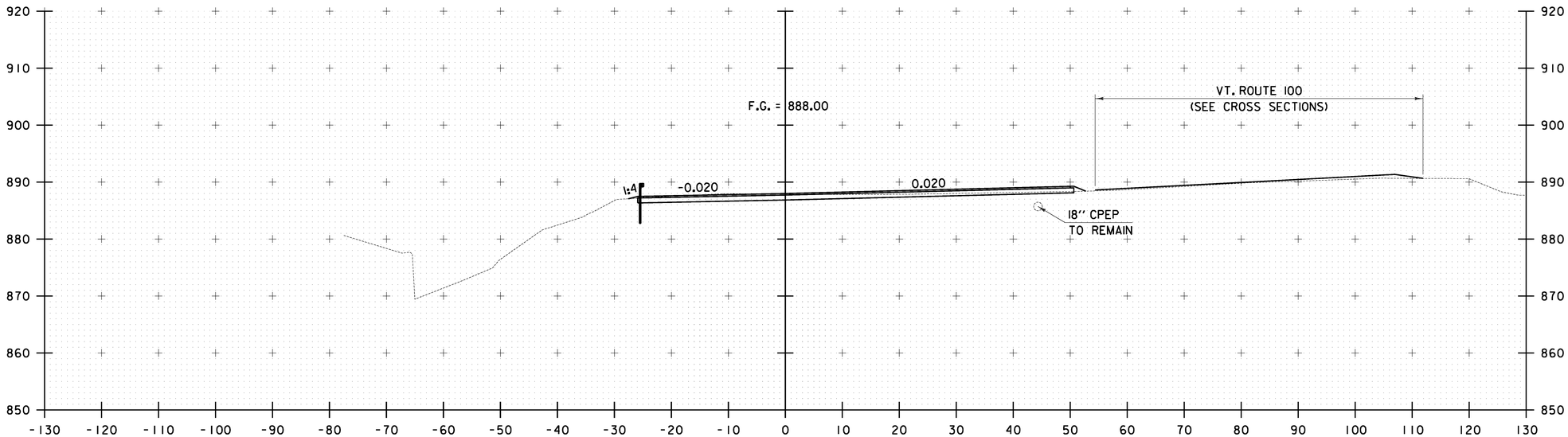
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

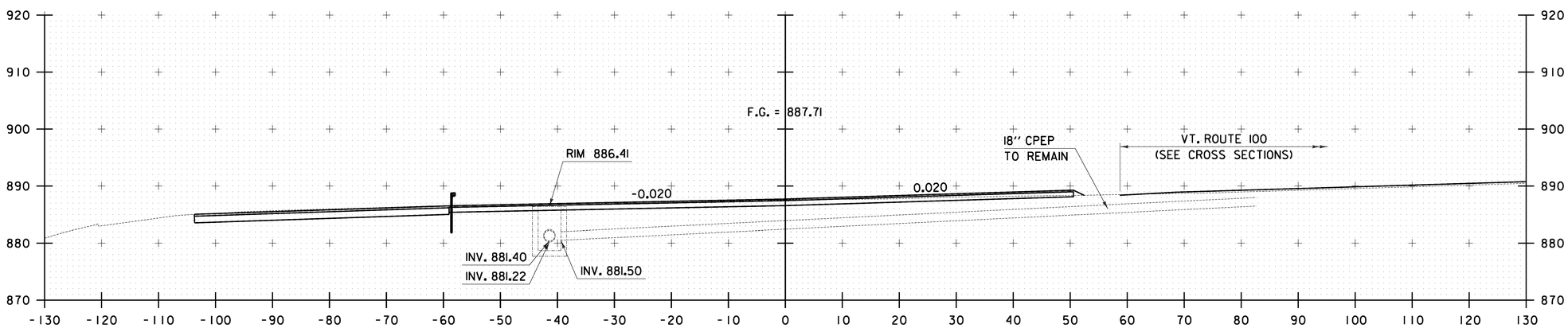
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl33.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 296 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



M 1+50.00



M 1+25.00

10 0 10
SCALE IN FEET

MAIN STREET CROSS SECTION SHEET #1

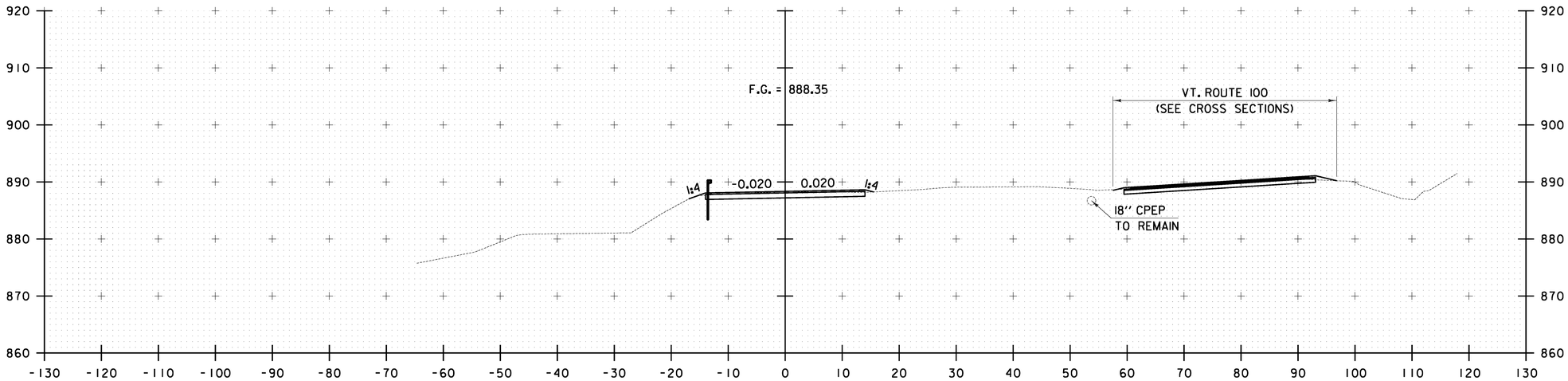
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

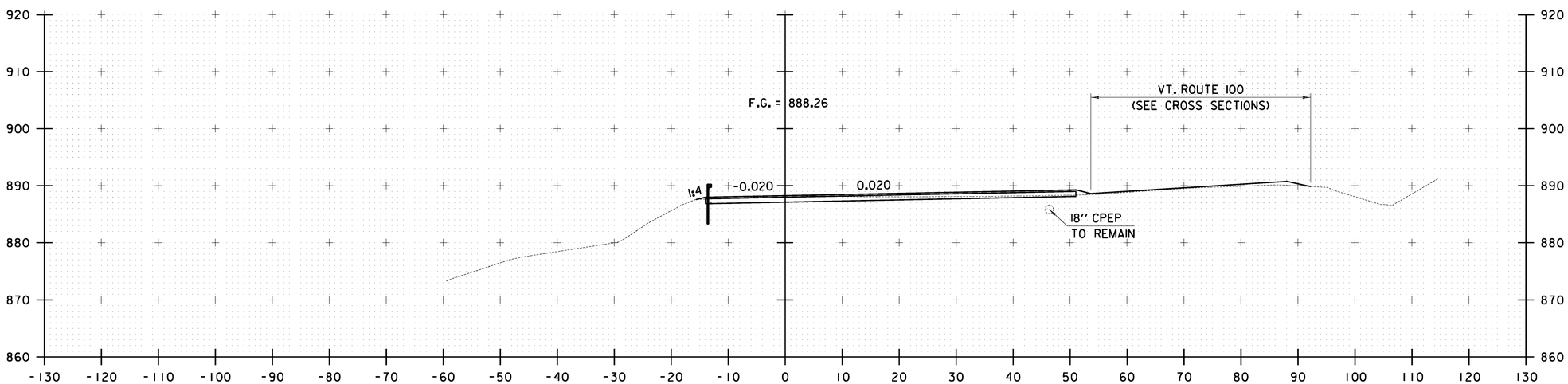
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl34.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 297 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



M 2+00.00



M 1+75.00

10 0 10
SCALE IN FEET

MAIN STREET CROSS SECTION SHEET #2

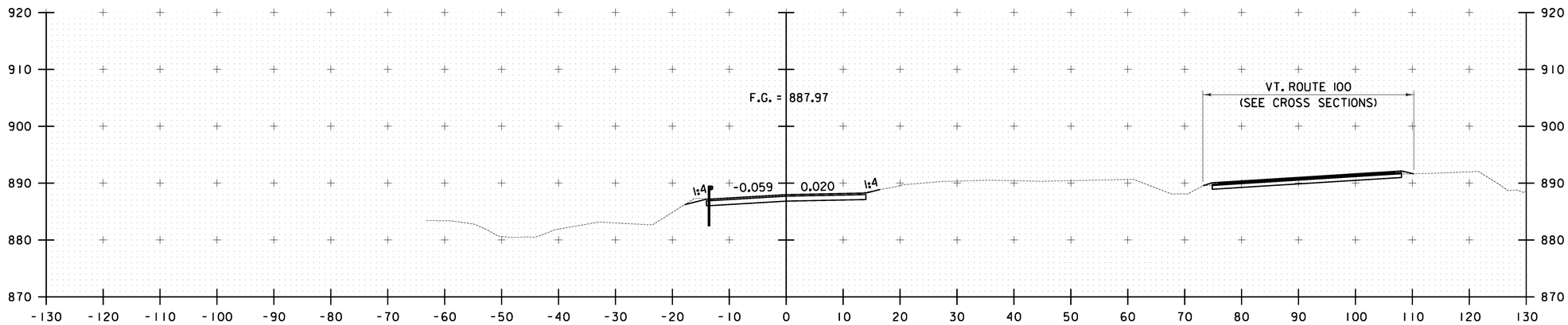
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

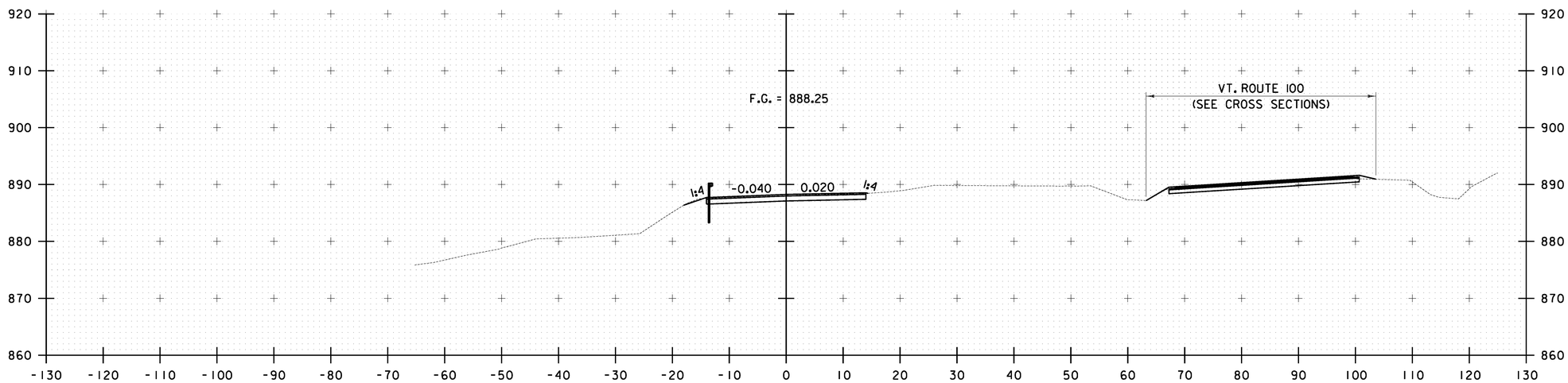
FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl35.1

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 298 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



M 2+50.00



M 2+25.00

10 0 10
SCALE IN FEET

MAIN STREET CROSS SECTION SHEET #3

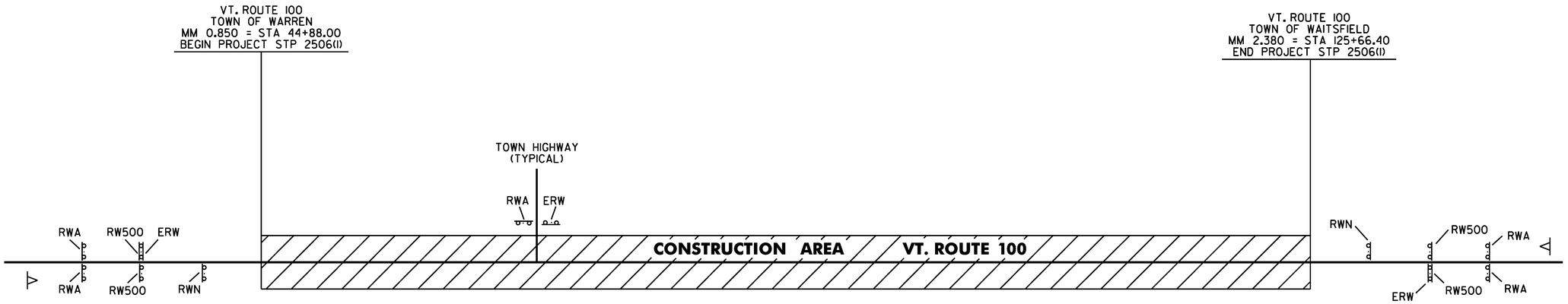
PROJECT NAME: WARREN-WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048xsl36.I

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 299 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4086



SIGN LEGEND

RWA = ROAD WORK AHEAD
RW500 = ROAD WORK 500 FEET
ERW = END ROAD WORK
RWN = ROAD WORK NEXT 8 MILES

◁ = PORTABLE CHANGEABLE MESSAGE SIGN

CONSTRUCTION APPROACH SIGNING

STP 2506(1)

HIGHWAY NAME	RWA	ERW	RW500	RWN	OTHER
VT. ROUTE 100 - BEGIN PROJECT	2	1	2	1	1-PORTABLE CHANGEABLE MESSAGE SIGN
STETSON HOLLOW ROAD (TH-39)	-	-			
CHARLIE ASHLEY ROAD (TH-47)	-	-			
MAIN STREET (TH-4)	1	1			
BOBBIN MILL ROAD (TH-43)	-	-			
LINCOLN GAP RD (TH-3)	1	1			
COVERED BRIDGE ROAD (TH-3)	1	1			
MILL ROAD (TH-44)	1	1			
VAUGHN BROWN ROAD (TH-20)	-	-			
MAIN STREET (TH-4)	1	1			
WEST HILL ROAD (TH-16)	1	1			
ELLEN LANE (TH-46)	1	1			
POWDERHOUND ROAD (TH-45)	-	-			
POWDERHOUND ROAD (TH-45)	-	-			
SUGARBUSH ACCESS ROAD (TH-5)	1	1			
AIRPORT ROAD (TH-9)	1	1			
BUTTERNUT HILL ROAD (TH-29)	-	-			
BUNDY ROAD (TH-32)	-	-			
ROLSTON ROAD (TH-31)	1	1			
KINGSBURY ROAD (TH-30)	-	-			
LAREAU ROAD (TH-39)	-	-			
VT. ROUTE 100 - END PROJECT	2	1	2	1	1-PORTABLE CHANGEABLE MESSAGE SIGN
TOTAL	14	12	4	2	2-PORTABLE CHANGEABLE MESSAGE SIGN

NOTES:

1. SEE VTRANS STD. E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
2. TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VTRANS STANDARDS.
4. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND.
5. PORTABLE CHANGEABLE MESSAGE SIGNS ARE TO BE USED AS DIRECTED BY THE ENGINEER.
6. PAYMENT FOR ALL CONSTRUCTION, FLAGGER AND LANE CLOSURE SIGNING AND CONES WILL BE MADE UNDER ITEM 641.10 TRAFFIC CONTROL.
7. CONES SHALL BE USED FOR DELINEATING THE TRAVEL SPACE ALONG THE TANGENT FOR THE ENTIRE LENGTH OF ANY LANE CLOSURE.
8. FLAGGER STATIONS SHALL BE A MAXIMUM OF 1500 FEET FROM THE FLAGGER AHEAD SIGN. WHEN FLAGGER STATIONS ARE MOVED BEYOND THIS DISTANCE, THE FLAGGER AHEAD SIGN SHALL BE MOVED ACCORDINGLY.
9. FLAGGER AHEAD SIGNS SHALL BE TURNED OR REMOVED WHEN FLAGGING OPERATIONS CEASE FOR MORE THAN 15 MINUTES.

NOT TO SCALE

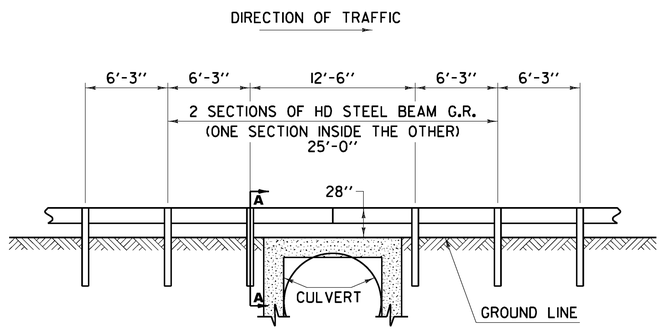
TRAFFIC CONTROL PLAN SHEET

PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048tcp.i

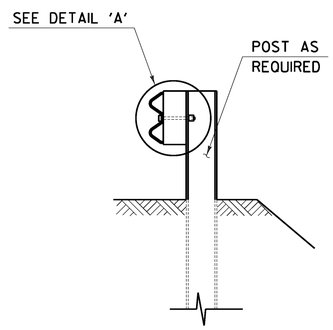
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 300 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4686

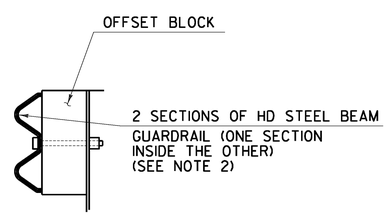


STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL

WARREN:
VT. ROUTE 100 STA 324+22.5 - STA 324+47.5 LT



SECTION A–A



DETAIL A

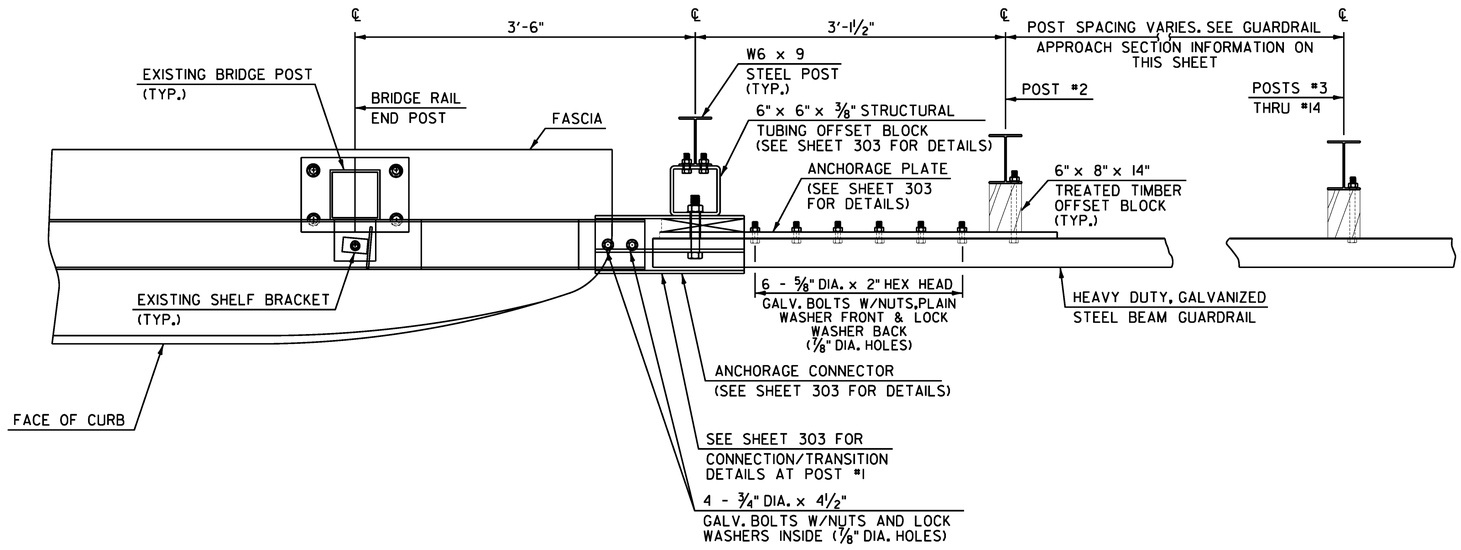
NOTES:

1. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.217 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET OR AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

NESTED GUARDRAIL SYSTEM DETAIL SHEET	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p05b048dngr.i	SHEET 301 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

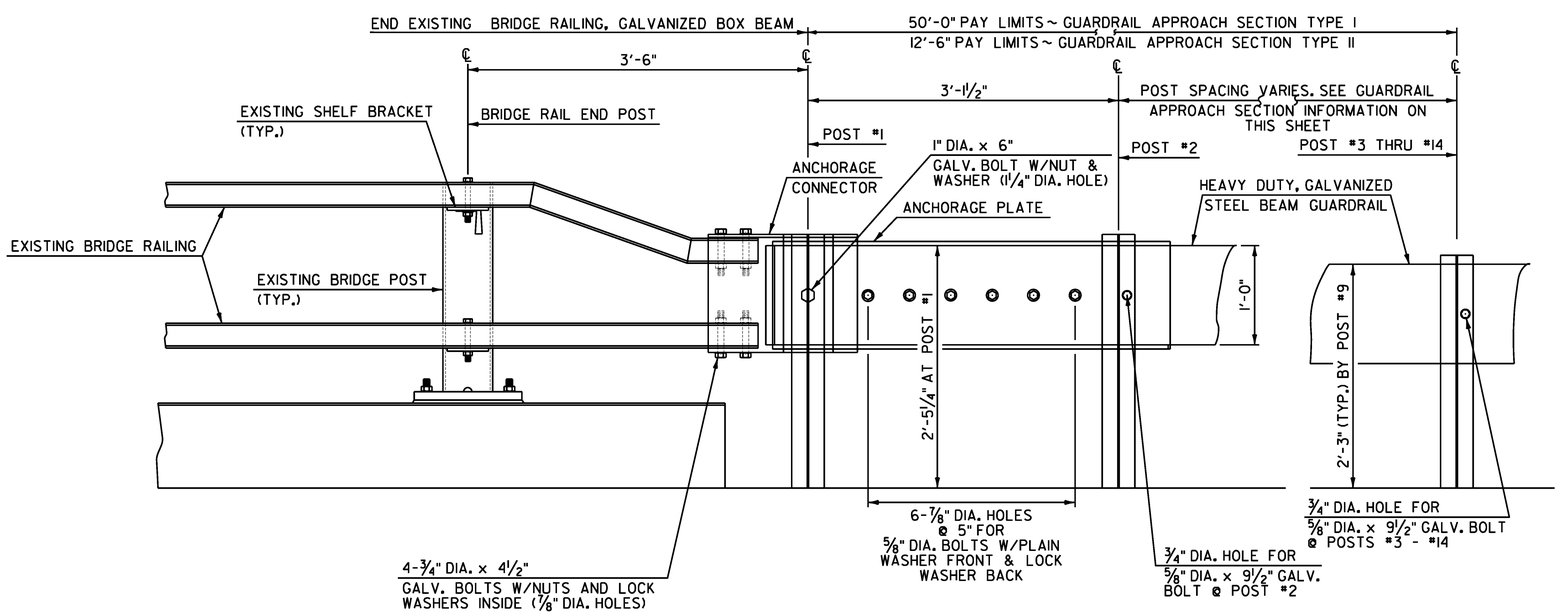


PLAN

GUARDRAIL APPROACH SECTION, TYPE I

POST NO.	SPACING
1	
2	3'-1½"
3	3'-1½"
4	3'-1½"
5	3'-1½"
6	3'-1½"
7	3'-1½"
8	3'-1½"
9	3'-1½"
10	4'-2"
11	4'-2"
12	4'-2"
13	6'-3"
14	6'-3"

50'-0" PAY LENGTH GUARDRAIL APPROACH SECTION, TYPE I



ELEVATION

GUARDRAIL APPROACH SECTION DETAIL

GUARDRAIL APPROACH SECTION, TYPE II

POST NO.	SPACING
1	
2	3'-1½"
3	4'-8¼"
4	4'-8¼"

12'-6" PAY LENGTH GUARDRAIL APPROACH SECTION, TYPE II

NOTE:

1. REFERENCE THIS SHEET WITH SHEET 303 ALONG WITH SHEET 308 FOR BR 172 DETAILS.

NOT TO SCALE

GUARDRAIL APPROACH SECTION DETAIL SHEET #1

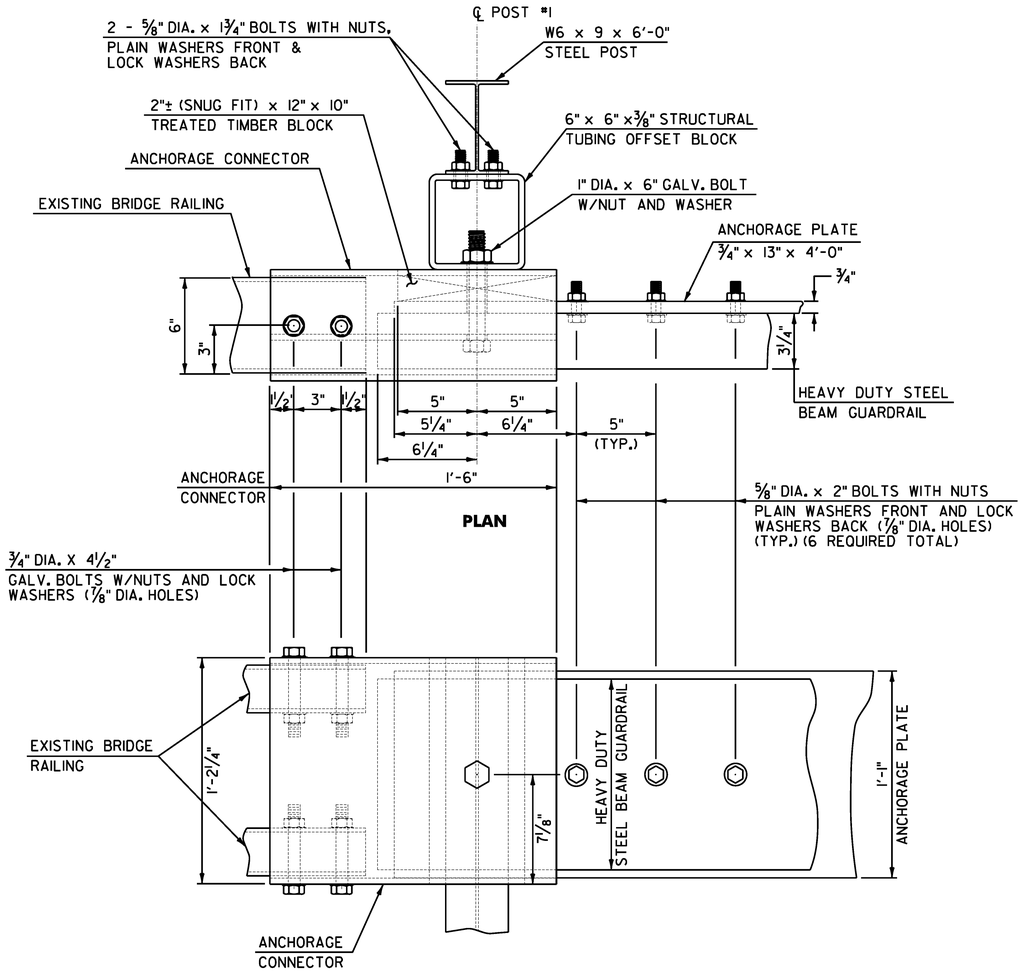
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048gasl.i

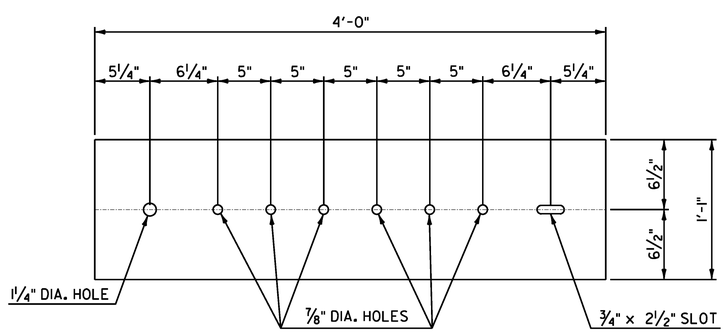
PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 302 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



ELEVATION

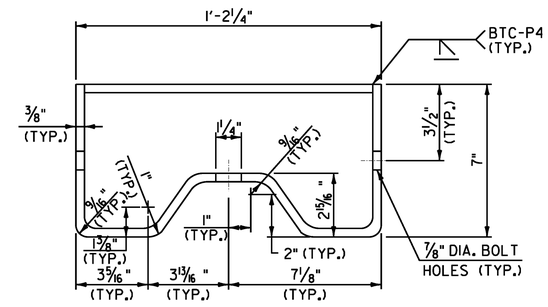
CONNECTION DETAILS AT POST #1



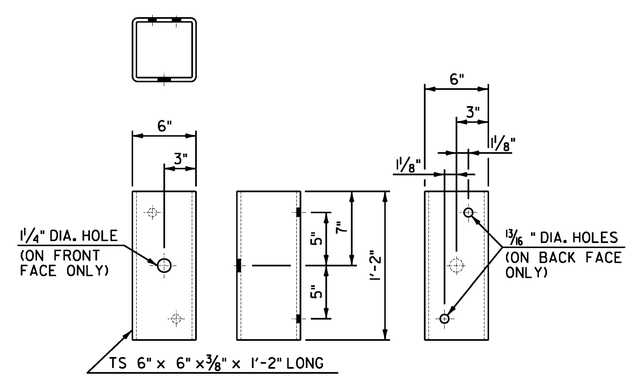
ANCHORAGE PLATE DETAIL

NOTES

1. REFER TO VTRANS STANDARD G-1 FOR ADDITIONAL RAIL DETAILS.
2. ALL POSTS FOR HEAVY DUTY STEEL BEAM GUARDRAIL SHALL BE STEEL IN ACCORDANCE WITH SUBSECTION 728.01(c) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
3. APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
4. ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL CONFORM TO SUBSECTION 728.01(c).
5. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO SUBSECTION 728.03(c).
6. STRUCTURAL TUBING OFFSET BLOCK SHALL CONFORM TO SUBSECTION 728.01(c).
7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 50'-0" FROM THE ℄ OF POST #1 FOR TYPE I AND 12'-6" FROM THE ℄ OF POST #1 FOR TYPE II.
8. ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS ± 1/16 ".
9. THE UNIT PRICES BID FOR EITHER TYPE OF GUARDRAIL APPROACH SECTION SHALL INCLUDE ANCHORAGE CONNECTOR, ANCHORAGE PLATE, HEAVY DUTY STEEL BEAM GUARDRAIL, POSTS, OFFSET BLOCKS, BLOCKING, BOLTS, AND ALL NECESSARY HARDWARE.



ANCHORAGE CONNECTOR DETAIL
(SEE NOTE 8)



STRUCTURAL TUBING OFFSET BLOCK DETAILS
(OCCURS AT POST #1 WHEN USING APPROACH RAIL UTILIZING STEEL POSTS)

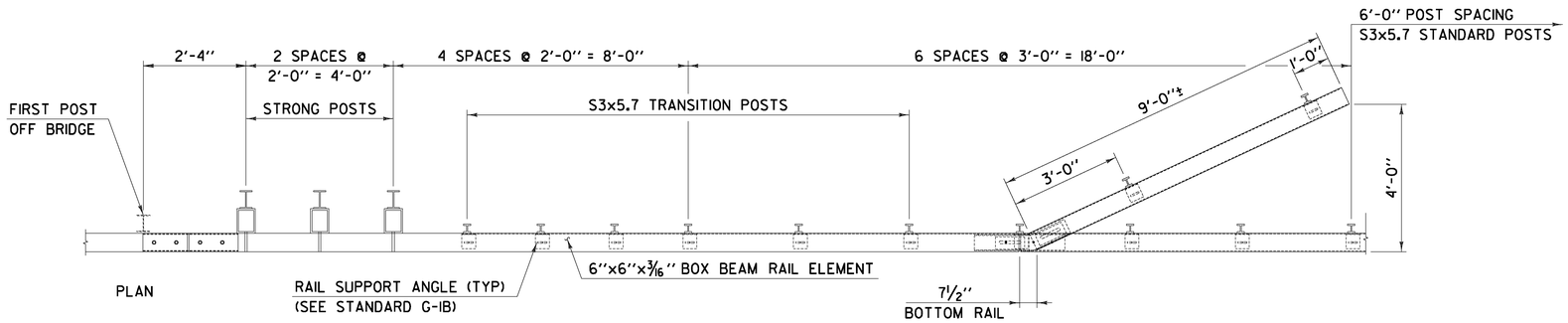
NOTE:

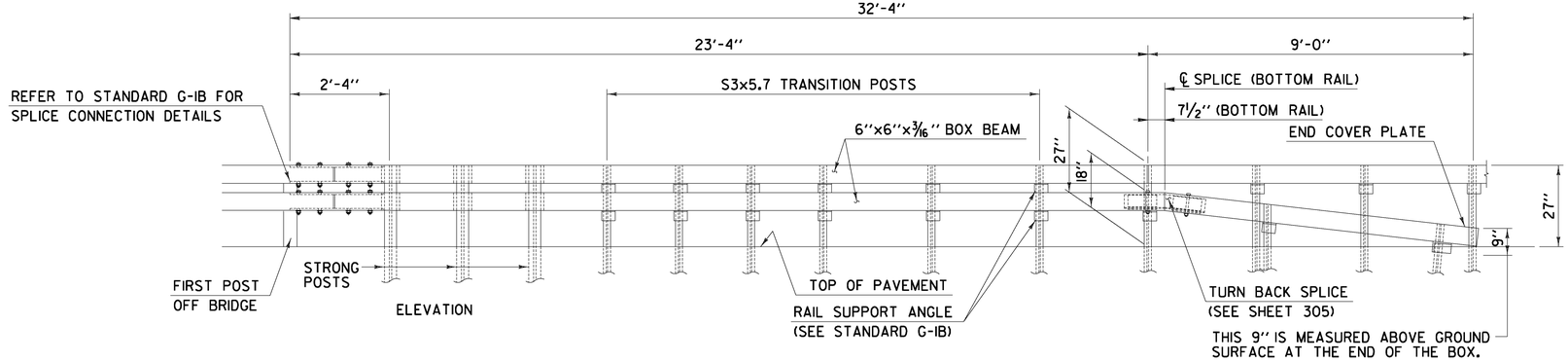
1. REFERENCE THIS SHEET WITH SHEET 302 ALONG WITH SHEET 308 FOR BR 172 DETAILS.

NOT TO SCALE

GUARDRAIL APPROACH SECTION DETAIL SHEET #2	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p05b048gas2.i	SHEET 303 OF 310

FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4806





GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM DETAIL

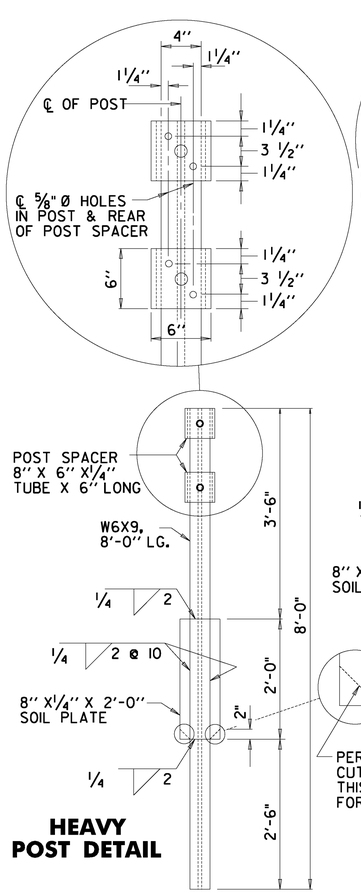
NOT TO SCALE

GUARDRAIL APPROACH SECTION DETAIL SHEET #3	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p05b048gas3.i	SHEET 304 OF 310

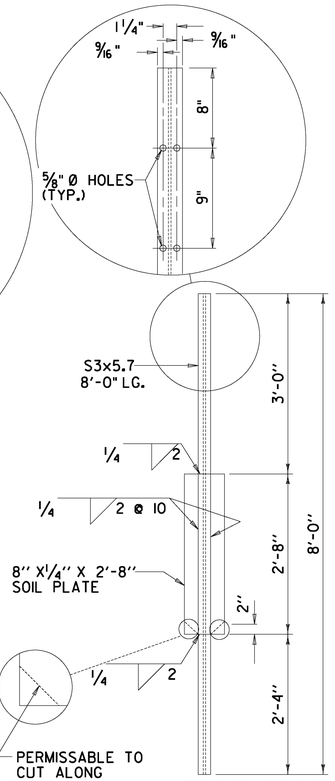
FILE NAME = U:\1762\CADD\HSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4806

BRIDGE QUANTITY SHEET

STATION	POS	525.10 REMOVAL OF EXISTING RAIL	900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM)	900.640 SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM/FASCIA MOUNTED)	REMARKS
WARREN:		LF	EACH	LF	
78+09.7 - 79+61.8	RT	87.50	2	87.50	BR 167
78+23.2 - 79+75.3	LT	87.50	2	87.50	BR 167
174+60.2 - 176+55.0	LT	162.50	2	162.50	BR 169
175+25.0 - 177+22.3	RT	162.50	2	162.50	BR 169
WAITSFIELD:					
100+83.7 - 103+23.3	LT	175.00	2	175.00	BR 177
101+16.7 - 103+51.1	RT	168.75	2	168.75	BR 177
123+26.7 - 124+60.1	RT	68.75	2	68.75	BR 178
123+27.9 - 124+61.3	LT	68.75	2	68.75	BR 178
ROUNDING		18.75	-	18.75	
TOTAL		1000	16	1000	

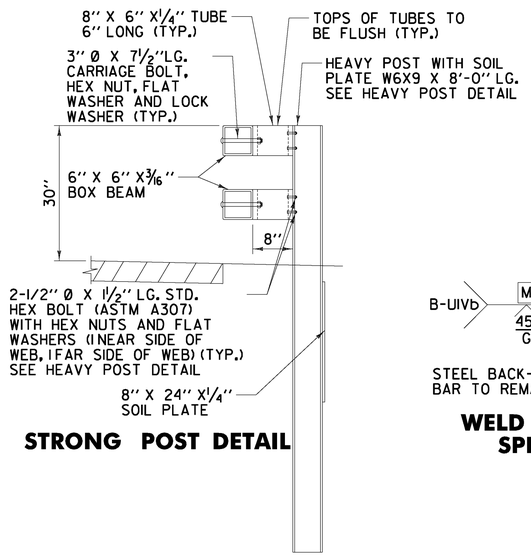


HEAVY POST DETAIL

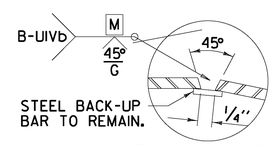


TRANSITION POST DETAIL

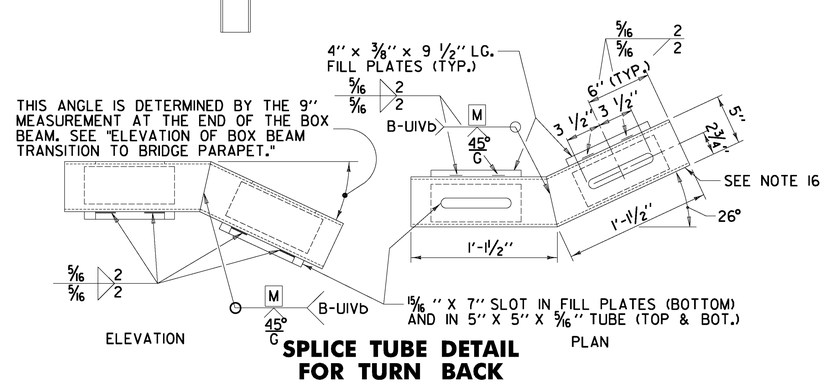
NOTE:
TRANSITION TUBES NOT SHOWN



STRONG POST DETAIL



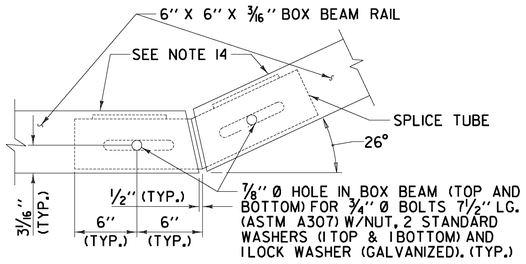
WELD DETAIL FOR SPLICE TUBE



SPLICE TUBE DETAIL FOR TURN BACK

GENERAL NOTES

1. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
2. SEE VTRANS STANDARD SHEETS G-1 AND G-1B FOR DELINEATION DETAILS AND PLACEMENT.
3. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
4. NEW BRIDGE RAILING POSTS SHALL BE SET NORMAL TO GRADE.
5. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10 OF THE STANDARD SPECIFICATIONS.
6. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON LIMITED FIELD INVESTIGATION AND AVAILABLE RECORD DRAWING INFORMATION. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
7. ALL LANES SHALL BE OPENED TO TRAFFIC DURING NON-WORKING HOURS. NO GAPS BETWEEN EXISTING RAILING AND NEW RAILING WILL BE PERMITTED. DETAILS FOR TEMPORARY RAIL SHALL BE SUBMITTED FOR APPROVAL IF REQUIRED TO BRIDGE GAPS IN RAILING. PAYMENT FOR TEMPORARY RAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 525.10 REMOVAL OF EXISTING RAILING.
8. ALL OFFSET BLOCKS AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH SUBSECTION 732.04, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO SUBSECTION 726.08.
9. ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL CONFORM TO THE CURRENT SPECIFICATION FOR BOX BEAM GUARD RAIL. REFER TO STANDARD G-1B FOR DETAILS. ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL BE GALVANIZED AND CONFORM TO SUBSECTION 732.03.
10. FOR DETAILS OF STANDARD POST, RAIL ELEMENT, RAIL SUPPORT ANGLE, SPLICE CONNECTIONS, END COVER PLATE, TYPE I AND TYPE II END ASSEMBLIES AND DELINEATION DEVICE, SEE THE VTRANS STANDARD SHEET G-1B.
11. THE BOX BEAM RAIL AND LOWER RUB RAIL SHALL BE SHOP BENT TO THE INDICATED RADIUS AT ALL NECESSARY LOCATIONS DETAILED IN THESE PLANS. THE RADIUS SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO FABRICATION.
12. THE COST OF ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLETE THE WORK SHOWN FOR THESE DETAILS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM) AND ITEM 900.640 SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM/FASCIA MOUNTED).
13. BOX BEAM BRIDGE RAIL HEIGHT (30") SHALL TRANSITION TO THE NORMAL ROADWAY HEIGHT OF 27" AT THE POINT WHERE THE LOWER RUB RAIL TURNS BACK UNDER THE UPPER BOX BEAM RAIL.
14. PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE INSIDE WALLS OF THE SPLICE AREA.
15. PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE OUTSIDE WALLS OF THE SPLICE TUBE OR THE OUTSIDE SURFACES OF THE FILL PLATE.
16. THE COST OF PROVIDING AND INSTALLING NEW BRIDGE POSTS SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 900.640 SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM/FASCIA MOUNTED).



SPLICE DETAIL AT TURN BACK IN LOWER TRANSITION GUARD RAIL

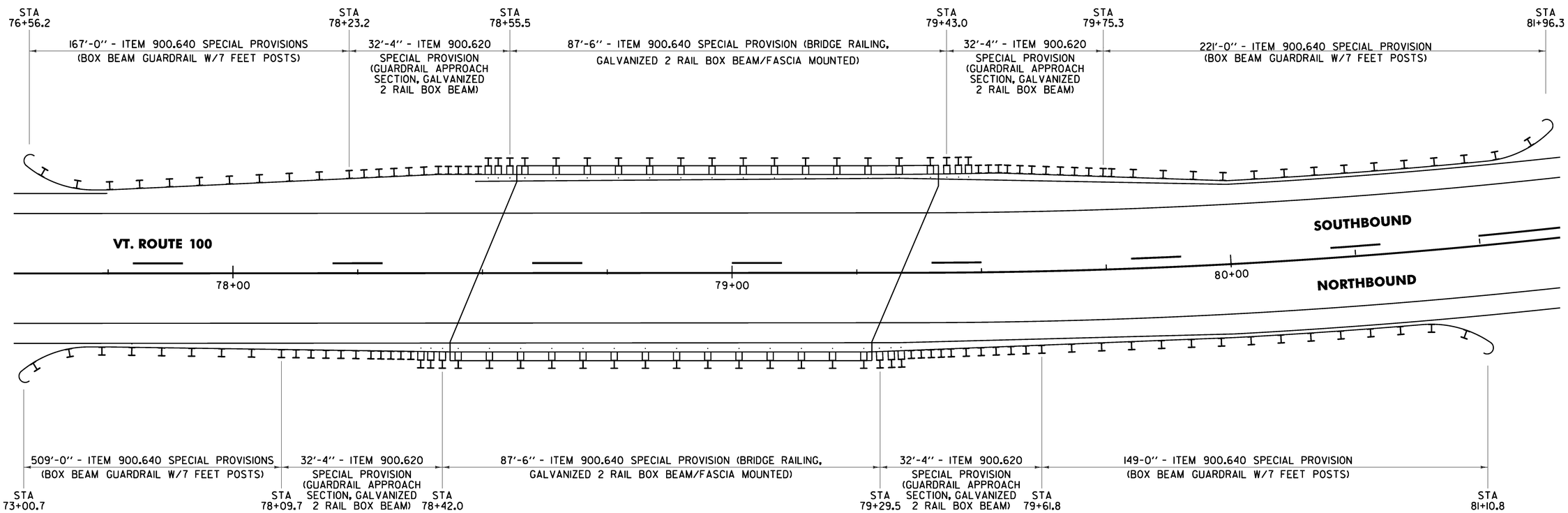
NOT TO SCALE

BRIDGE DETAIL SHEET #1

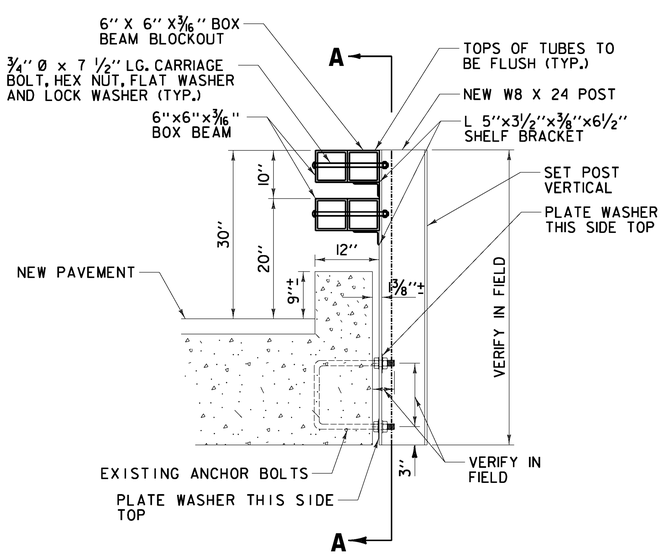
PROJECT NAME: WARREN - WAITSFIELD
PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048bd+1.i	SHEET 305 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886

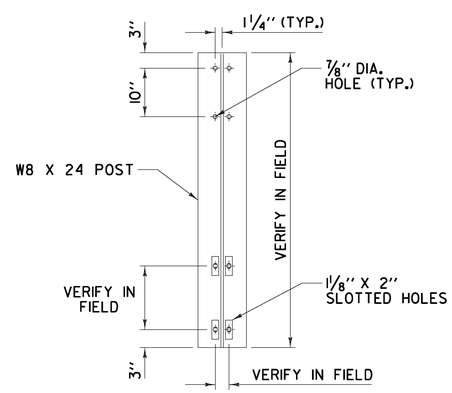


BR 167 WARREN MM 1.495 = STA 78+93.60



BRIDGE POST DETAIL NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.



SECTION A-A

BRIDGE POST DETAIL

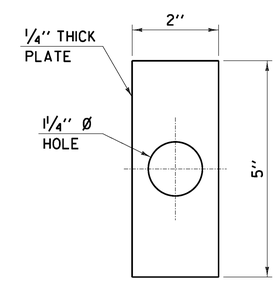
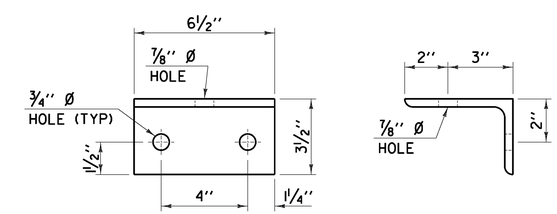


PLATE WASHER DETAIL



SHELF BRACKET DETAIL

NOT TO SCALE

BRIDGE DETAIL SHEET #2

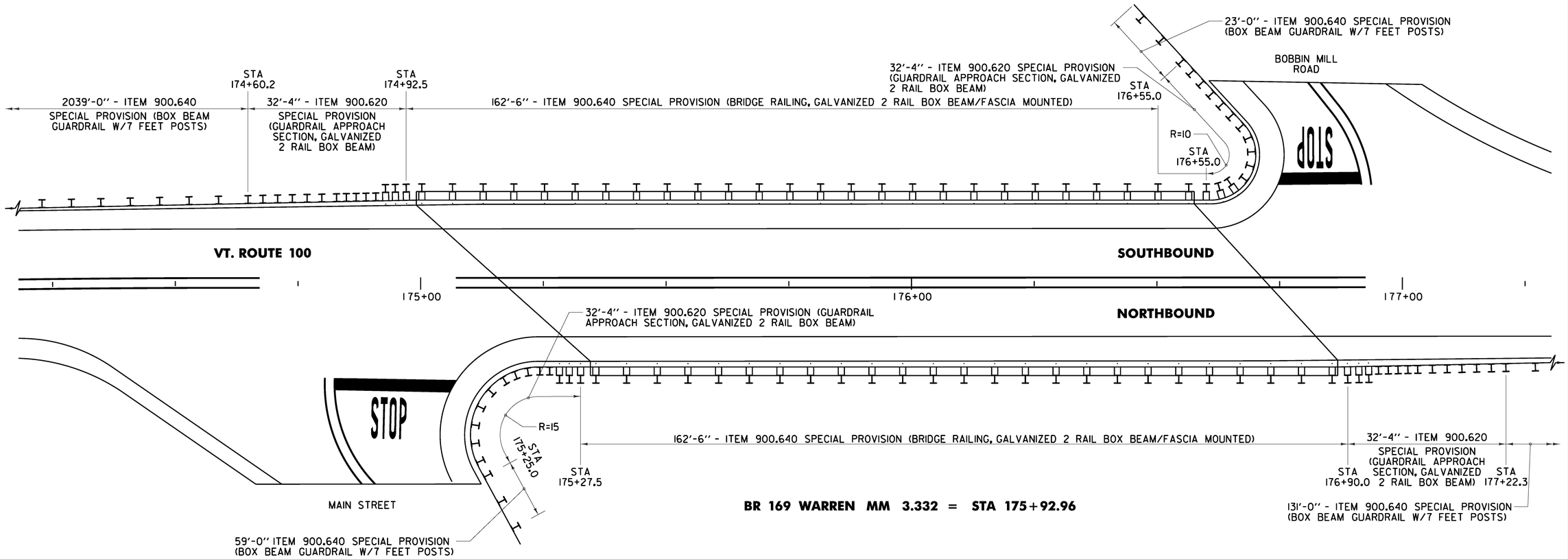
PROJECT NAME: WARREN - WAITSFIELD

PROJECT NUMBER: STP 2506(1)

FILE NAME: p05b048.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b048bdt2.i

PLOT DATE: 12/20/2012
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 306 OF 310

FILE NAME = U:\1762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4866



BR 169 WARREN MM 3.332 = STA 175+92.96

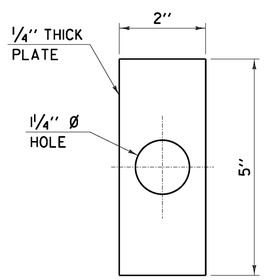
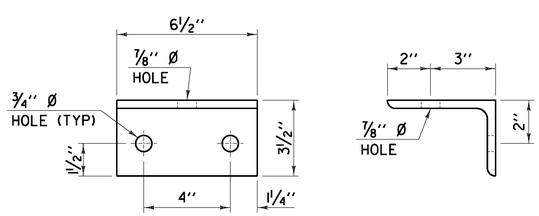
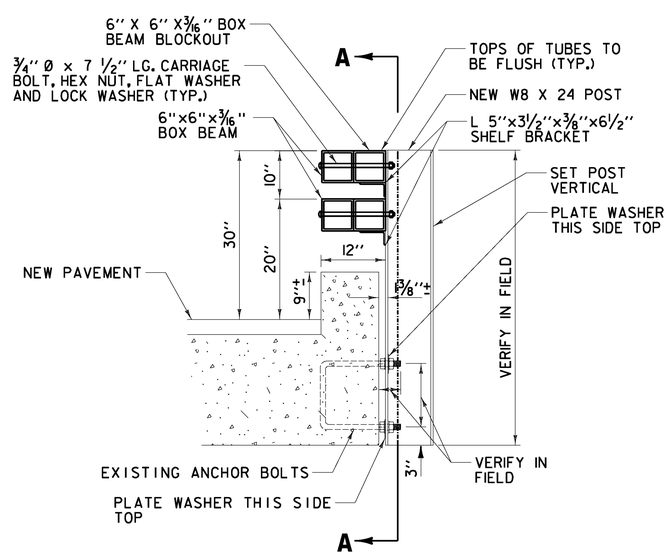


PLATE WASHER DETAIL

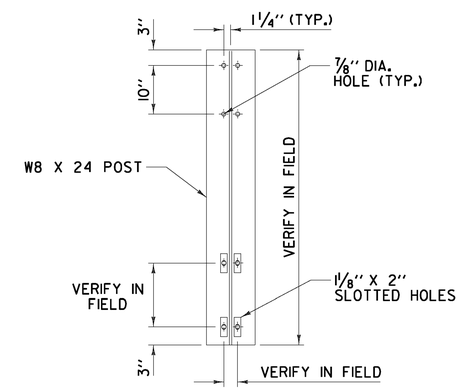


SHELF BRACKET DETAIL



BRIDGE POST DETAIL NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.



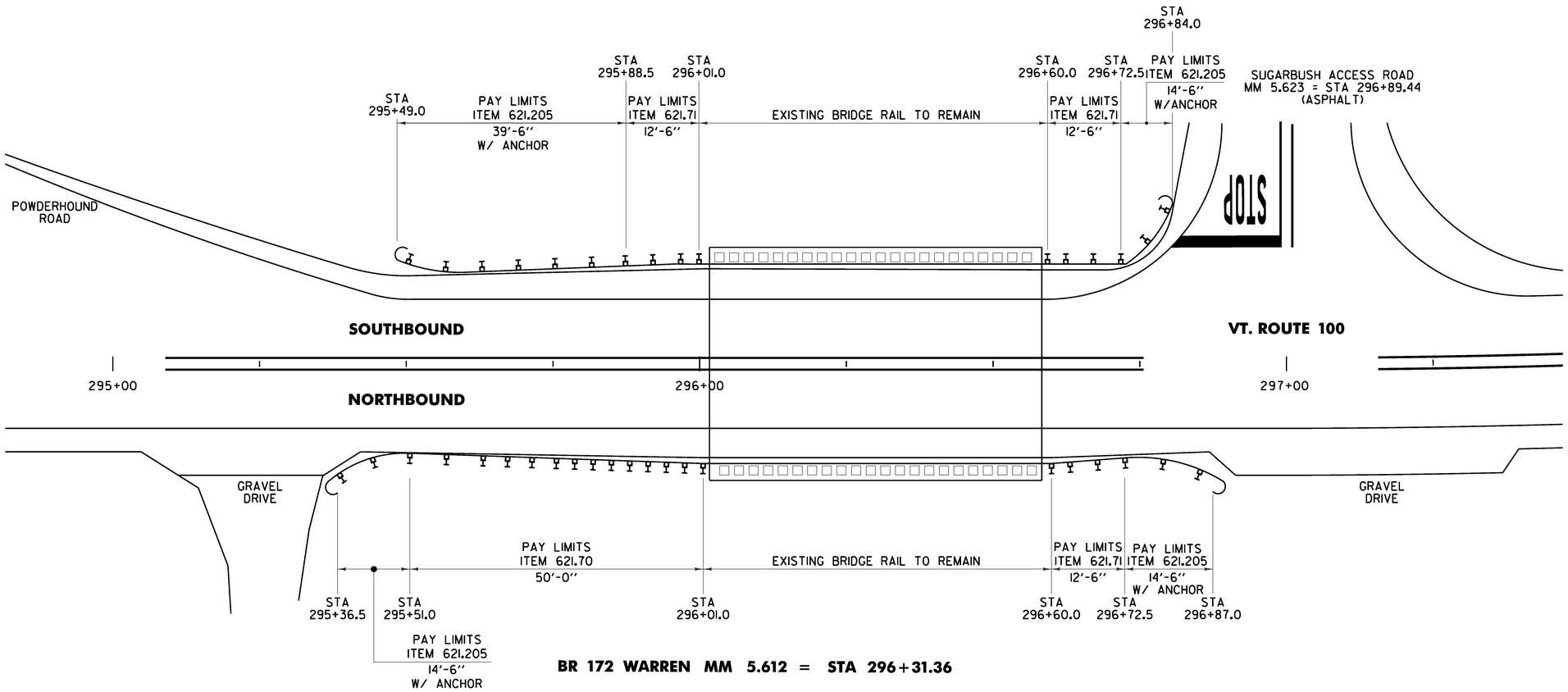
SECTION A–A

BRIDGE POST DETAIL

NOT TO SCALE

BRIDGE DETAIL SHEET #3	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p05b048bd+3.i	SHEET 307 OF 310

FILE NAME = U:\17752\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4886



BR 172 WARREN MM 5.612 = STA 296+31.36

BRIDGE DETAIL SHEET #4	PROJECT NAME: WARREN - WAITSFIELD	
	PROJECT NUMBER: STP 2506(1)	
	FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p05b048bd+4.1	SHEET 308 OF 310

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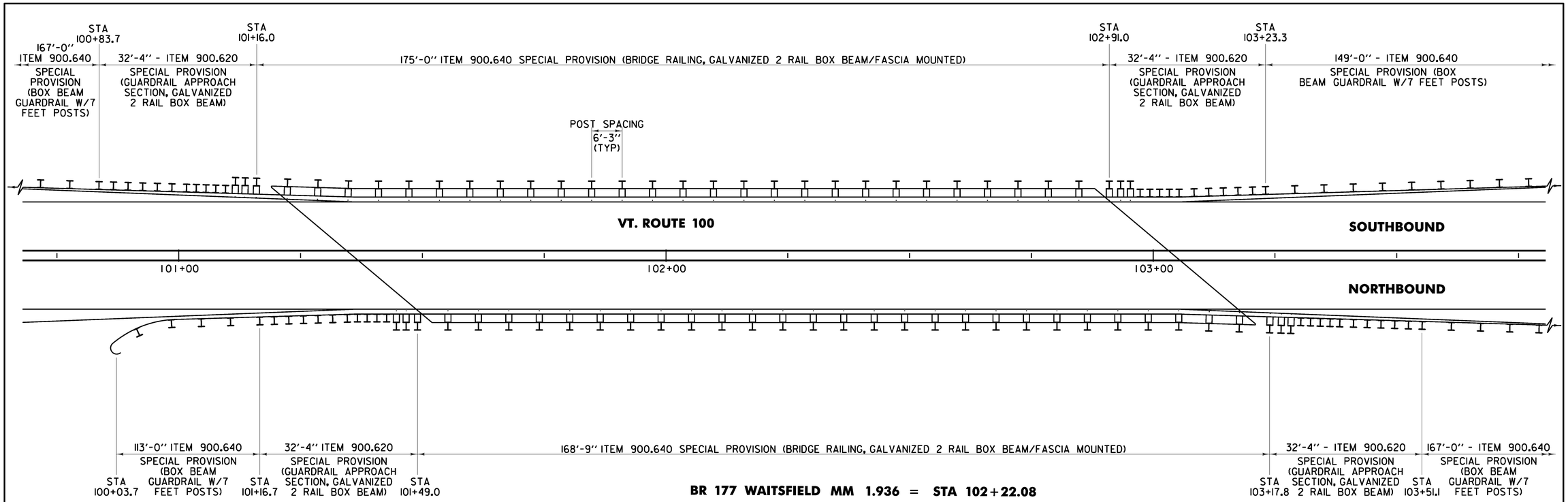
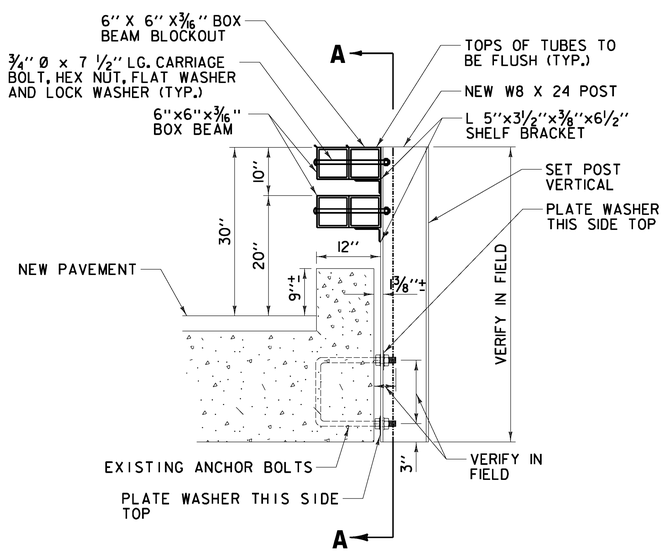
DATE/TIME = 12/20/2012
USER = 4086

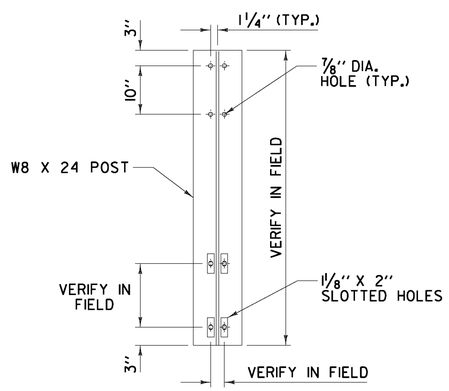


BR 177 WAITSFIELD MM 1.936 = STA 102+22.08



BRIDGE POST DETAIL NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.



SECTION A–A

BRIDGE POST DETAIL

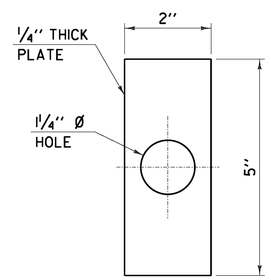
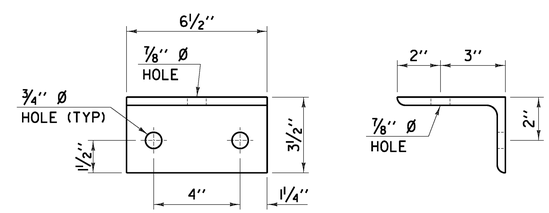


PLATE WASHER DETAIL

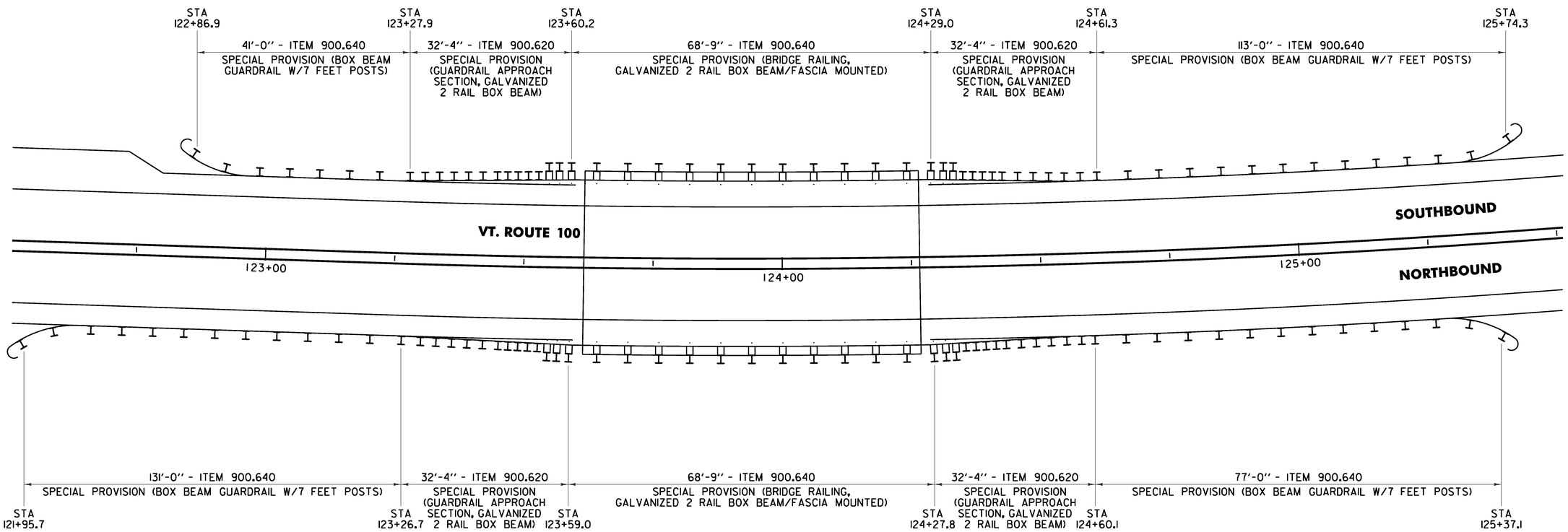


SHELF BRACKET DETAIL

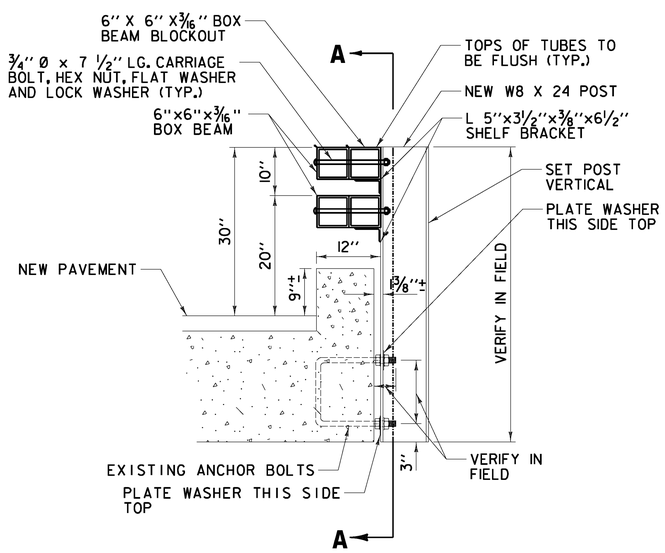
BRIDGE DETAIL SHEET #5

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048bd+5.i	SHEET 309 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048_Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065

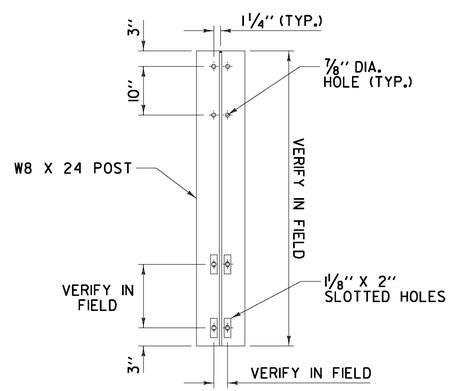


BR 178 WAITSFIELD MM 2.347 = STA 123+92.16



BRIDGE POST DETAIL NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.



SECTION A–A

BRIDGE POST DETAIL

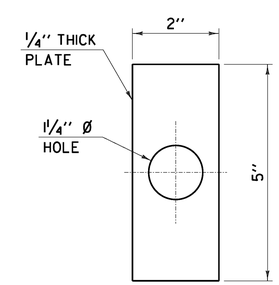
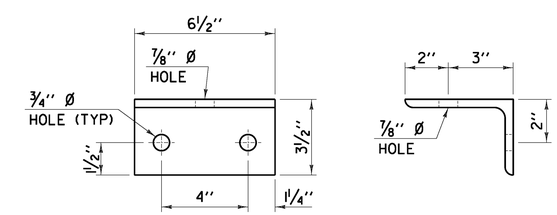


PLATE WASHER DETAIL

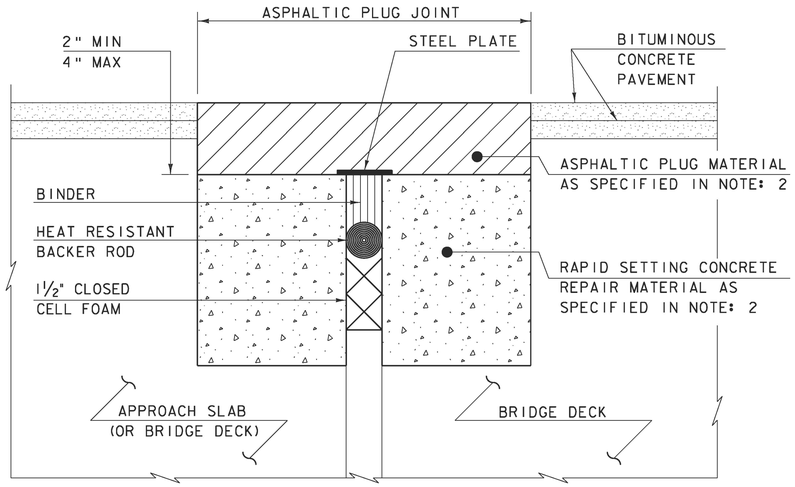


SHELF BRACKET DETAIL

BRIDGE DETAIL SHEET #6

PROJECT NAME: WARREN - WAITSFIELD	
PROJECT NUMBER: STP 2506(1)	
FILE NAME: p05b048.dgn	PLOT DATE: 12/20/2012
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p05b048bdt6.i	SHEET 310 OF 310

FILE NAME = U:\17762\CADD\MSTN\STP 2506\p05b048.Contract Plans.dgn
DATE/TIME = 12/20/2012
USER = 4065



ASPHALTIC PLUG-TYPE JOINT DETAIL - REHAB

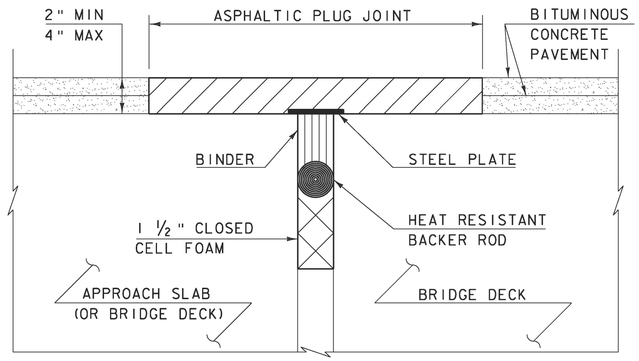
(NOT TO SCALE)

NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL ASPHALTIC PLUG JOINT MATERIAL AND DETERIORATED CONCRETE AS DIRECTED BY THE ENGINEER. REMOVAL OF THE FIRST 4 INCHES OF MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG. ANY REMOVAL OF MATERIAL GREATER THAN 4 INCHES SHALL BE INCLUDED IN THE BID PRICE OF ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COURSE AGGREGATE.

2. THE CONTRACTOR SHALL REPLACE REMOVED MATERIAL THAT IS LESS THAN 4" FROM FINISHED GRADE WITH ASPHALTIC PLUG JOINT MATERIAL MEETING THE REQUIREMENTS OF SUBSECTION 707.15. ALL REMOVED MATERIAL THAT IS GREATER THAN 4 INCHES FROM FINISHED GRADE SHALL BE REPLACED WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.

3. REINFORCING STEEL NOT SHOWN FOR CLARITY.



ASPHALTIC PLUG-TYPE JOINT DETAIL - NEW

(NOT TO SCALE)

ASPHALTIC PLUG JOINT NOTES

INSTALLATION:

1. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT, MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

2. REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.

3. BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.

4. REPAIR MATERIAL GREATER THAN 4 INCHES FROM FINISHED GRADE WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.

5. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.

6. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.

7. PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRE-STAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

8. HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.

9. INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

10. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

11. ONCE THE JOINT REACHES 82 DEG C (180 DEG F) +/-, WATER MAY BE USED TO EXPEDITE THE COOLING PROCESS.

12. PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.

WEATHER LIMITATIONS

APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER:

1. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.

2. THE ROAD SURFACE IS DRY.

3. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.

REVISIONS	
MAY 7, 2010	APPROVED FOR USE BY VAOT STRUCTURES SECTION

BRIDGE JOINT ASPHALTIC PLUG

VERMONT AGENCY OF TRANSPORTATION
STRUCTURES - DIVISION

STRUCTURES DETAIL

SD-516.10