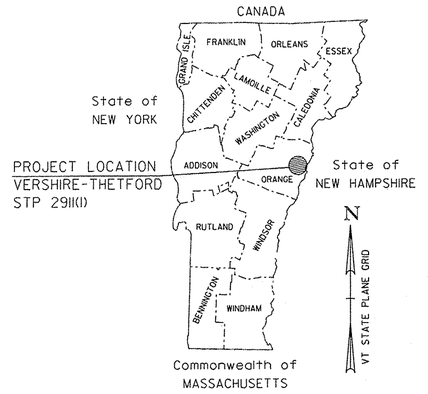
INDEX OF SHEETS

SEE SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	236,500
DESIGN NUMBER OF GYRATIONS	50
PERFORMANCE GRADED ASPHALT BINDER	SEE SUBSECTION 490.03(b)



PROPOSED IMPROVEMENT
TOWNS OF VERSHIRE, WEST FAIRLEE & THETFORD
COUNTY OF ORANGE
VT ROUTE 113 (MAJOR COLLECTOR)

TRAFFIC DATA

LOCATION	AADT		DHV		ESALs	
	2012	2022	2012	2022	2012-2022	2012-2032
VT 113						
BEGIN PROJECT TO BEANVILLE RD/MILL ST	980	980	110	110	93,000	212,000
BEANVILLE RD/MILL ST TO WEST FAIRLEE RD	1900	1900	210	230	212,000	473,000
WEST FAIRLEE RD TO END PROJECT	1300	1300	150	160	91,000	233,000

BEGINNING AT A POINT IN THE TOWN OF VERSHIRE ON VT ROUTE 113 AT STATION 185+08.00 (MM 3.505) AND EXTENDING EASTERLY ALONG VT ROUTE 113 A DISTANCE OF 41,499.50 FEET (7.860 MILES) TO STATION T42+93.00 (MM 0.813) IN THE TOWN OF THETFORD.

VERSHIRE	STA 185+08.00 (MM 3.505)	~	STA 408+20.00 (MM 7.731)	=	22,312.00 FEET (4.226 MILES)
WEST FAIRLEE	STA F0+00.00 (MM 0.000)	~	STA F148+94.00 (MM 2.821)	=	14,894.00 FEET (2.821 MILES)
THETFORD	STA T0+00.00 (MM 0.000)	~	STA T42+93.00 (MM 0.813)	=	4,293.50 FEET (0.813 MILES)

LENGTH OF ROADWAY = 41,499.50 FEET (7.860 MILES)
LENGTH OF PROJECT = 41,499.50 FEET (7.860 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RECLAIMING AND PAVING OF THE EXISTING HIGHWAY, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER RELATED HIGHWAY ITEMS.

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. – BERLIN, VT
RESIDENT ENGINEER: CHARLIE HARDING
CONSTRUCTION BEGAN: MAY 6, 2013
CONSTRUCTION COMPLETE: SEPTEMBER 20, 2013
RECORD PLANS BY: CHARLIE HARDING & CHIP PIERCE

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

BY Charlie Harding RESIDENT ENGINEER
DATE 02-11-16

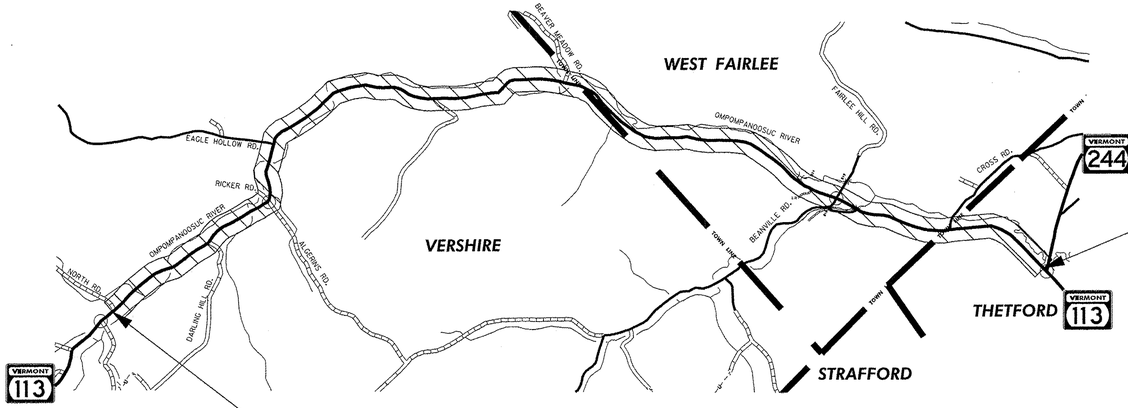
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found by contacting Vtrans Records Management.

QUALITY ASSURANCE PROGRAM: LEVEL 3

CLD CONSULTING ENGINEERS
540 Commercial Street, Manchester, NH 03101
(603) 668-8223 • Fax: (603) 668-8802
cld@cldengineers.com • www.cldengineers.com
Maine • New Hampshire • Vermont

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 SR SR SR
TOP OF CUT
TOE OF SLOPE



STA 185+08.00 (MM 3.505)
BEGIN PROJECT
STP 2911(1)

STA T42+93.00 (MM 0.813)
END PROJECT
STP 2911(1)

SCALE IN MILES 0.5 0 0.5 1

SURVEYED BY : VTRANS
SURVEYED DATE : MAY 2011

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (07)

STATE OF VERMONT CHRISTOPHER R. PIERCE No. 9553 REGISTERED PROFESSIONAL ENGINEER

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.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Peter Stewart DATE 2-4-13

PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : VERSHIRE-THETFORD
PROJECT NUMBER : STP 2911(1)

SHEET 1 OF 232 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

INDEX OF SHEETS

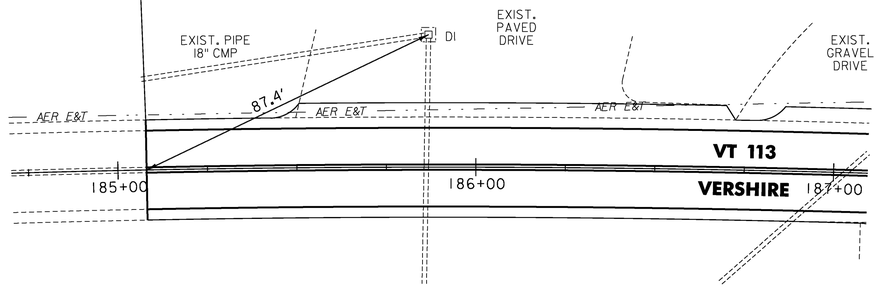
INDEX OF STANDARD PLANS

STD	DATE	DESCRIPTION
D-3	6/1/1994	TREATED GUTTERS
D-15	6/1/1994	PRECAST REINF. CONC. CATCH BASIN W/CAST IRON GRATE, PRECAST REINF. CONC. MANHOLE W/ CAST IRON COVER, CAST IRON GRATE WITH FRAME, TYPE D - CAST IRON GRATE WITH FRAME, TYPE E
D-30	8/13/2007	UNDERDRAIN CONSTRUCTION DETAILS
E-100	1/2/2004	CONSTRUCTION APPROACH SIGNS
E-100A	1/2/2004	SIDE ROAD CONSTRUCTION APPROACH SIGNS
E-101	5/30/2003	CONSTRUCTION SIGN DETAILS
E-102	6/30/2003	CONSTRUCTION SIGN DETAILS
E-102A	5/1/2004	CONSTRUCTION SIGN DETAILS
E-108	6/8/2009	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS
E-108A	6/8/2009	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS FOR PAVING
E-110	8/8/1995	MAJOR MAINTENANCE OPERATION LANE CLOSURE
E-121	8/8/1995	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
E-123	3/16/2004	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS
E-127	8/8/1995	ROUTE MARKINGS AT RURAL INTERSECTIONS
E-136B	8/8/1995	STATE ROUTE MARKER SIGN DETAILS
E-138	5/30/2003	MILEMARKER DETAILS - STATE AND TOWN HIGHWAYS
E-141	9/20/1995	REGULATORY SIGN DETAILS
E-144	3/29/1999	REGULATORY SIGN DETAILS
E-153	5/1/2004	WARNING SIGN DETAILS
E-154	5/1/2004	WARNING SIGN DETAILS
E-163	5/20/1999	TUBULAR STEEL SIGN POST
E-164	6/8/2009	SQUARE STEEL SIGN POST
E-193	8/18/1995	PAVEMENT MARKING DETAILS
G-1	1/3/2000	STEEL BEAM GUARDRAIL WITH STEEL POSTS, STEEL BEAM GUARDRAIL WITH WOOD POSTS
G-1d	1/3/2000	STEEL BEAM GUARDRAIL APPROACH AND TRAILING END TERMINAL, ANCHOR FOR STEEL BEAM RAIL, STEEL BEAM MEDIAN BARRIER

INDEX OF SHEETS

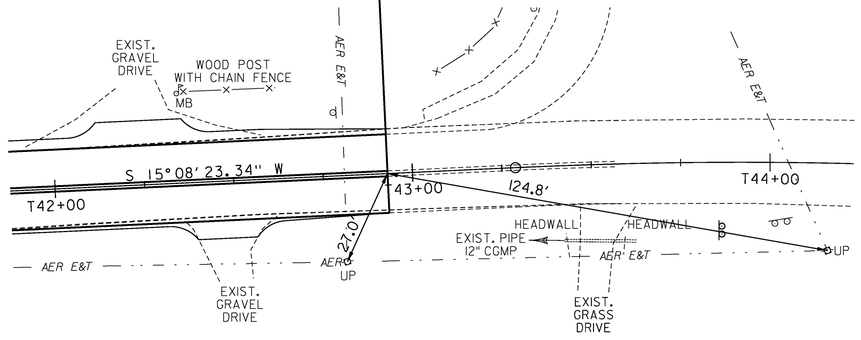
SHT	
1	TITLE SHEET
2	INDEX OF SHEETS / TIE SHEET
3-6	TIE SHEETS 1-4
7	PROJECT NOTES
8-9	PROJECT TYPICAL SHEETS 1-2
10-12	QUANTITY SHEETS 1-3
13-16	ITEM DETAIL SUMMARY SHEETS 1-4
17	UNDERDRAIN DETAIL SHEET
18	MISCELLANEOUS DETAIL SHEET
19-23	BRIDGE RAILING DETAIL SHEETS 1-5
24-25	BORING LOGS SHEETS 1-2
26	HANDWORK / MAILBOX PULLOFF DETAIL SHEET
27	DITCH CLEANING SHEET
28-67	ROADWAY LAYOUT SHEETS 1-40
68-83	TRAFFIC SIGN SUMMARY SHEETS 1-16
84-87	SIGN DETAIL SHEETS 1-4
88-96	BANKING DIAGRAMS 1-9
97-99	HORIZONTAL ALIGNMENT SHEETS 1-3
100-108	VERTICAL ALIGNMENT SHEETS 1-9
109-204	CROSS SECTION SHEETS 1-96
205-231	UTILITY CROSS SECTION SHEETS 1-27
232	TEMPORARY TRAFFIC CONTROL PLAN
	STRUCTURES DETAILS
SD-516.10	BRIDGE JOINT ASPHALTIC PLUG 05-07-2010

BEGIN PROJECT
MM 3.505 = 185+08.00



VT ROUTE 113
BEGIN STP 2911(1) PROJECT TIE

END PROJECT
MM 0.813 = T42+93.00



VT ROUTE 113
END STP 2911(1) PROJECT TIE

INDEX OF SHEETS /TIE SHEET

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_2

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 2 OF 232

GPS CONTROL POINTS

HVCTRL #1

VERSHIRE

NORTH = 535495.182
EAST = 1686341.345
ELEV. = 1275.937

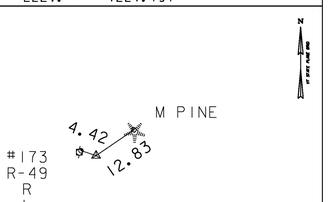
GENERAL LOCATION, VERSHIRE, VT. OWNERSHIP, TOWN OF VERSHIRE. CONTACTED GENE CRAFTON, TOWN CLERK.

TO REACH FROM THE INTERSECTION OF VT ROUTE 244 AND VT ROUTE 113 IN POST MILLS GO NORTH ALONG VT ROUTE 113 FOR 7.9 MI (12.7 KM) TO THE INTERSECTION OF VERSHIRE CENTER ROAD LEFT. TURN LEFT AND GO SOUTHEAST FOR 0.1 MI (0.2 KM) TO THE INTERSECTION OF A FIELD DRIVE LEFT AND A GRASSY GATED DRIVE RIGHT, JUST WEST OF A BARN. PARK VEHICLE. ENTER THE FIELD VIA THE FIELD DRIVE AND WALK SOUTH ABOUT 58 M (190.3 FT) TO THE SITE OF THE MARK. THE MARK IS SET 2 CM (1 INCH) BELOW GROUND SURFACE IN THE TOP OF A 0.3 M (1.0 FT) X 0.4 M (1.3 FT) ROCK OUTCROP. IT IS ABOUT 62 M (203.4 FT) SOUTHEAST OF AND 6 M (19.7 FT) HIGHER THAN CENTERLINE OF VERSHIRE CENTER ROAD.

TRAVERSE TIES

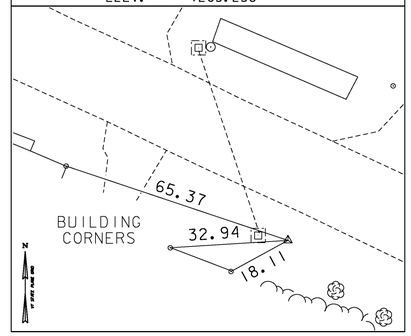
HVCTRL #2

NORTH = 536116.955
EAST = 1686543.600
ELEV. = 1221.191



HVCTRL #3

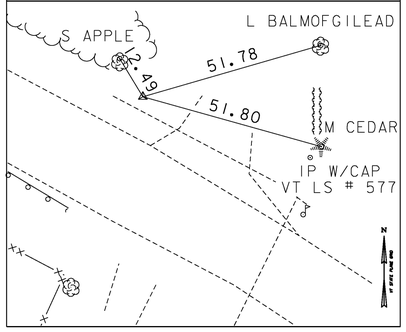
NORTH = 535827.273
EAST = 1687179.417
ELEV. = 1203.258



TRAVERSE TIES

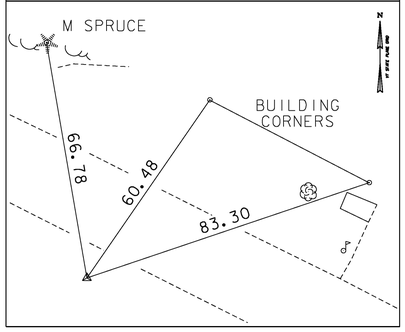
HVCTRL #4

NORTH = 535137.408
EAST = 1688929.420
ELEV. = 1149.308



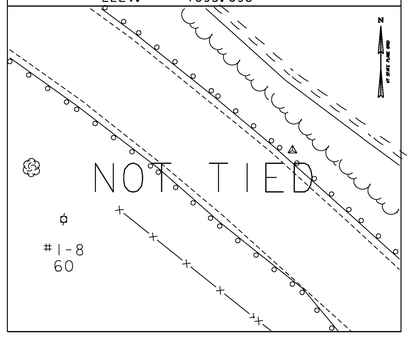
HVCTRL #5

NORTH = 534402.705
EAST = 1689885.759
ELEV. = 1111.175



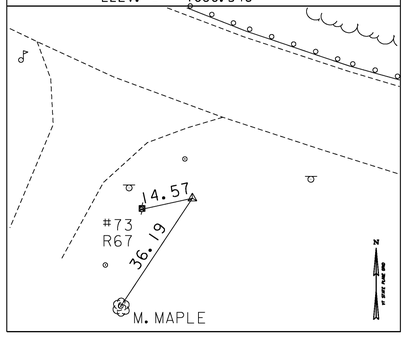
HVCTRL #6

NORTH = 534107.771
EAST = 1690483.005
ELEV. = 1095.098



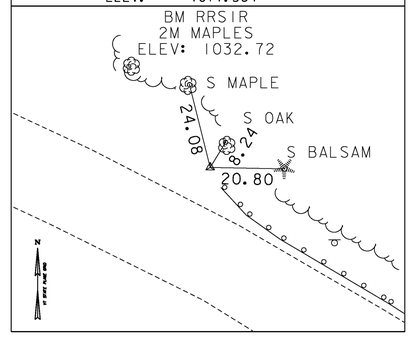
HVCTRL #7

NORTH = 533768.906
EAST = 1690850.052
ELEV. = 1080.546



HVCTRL #8

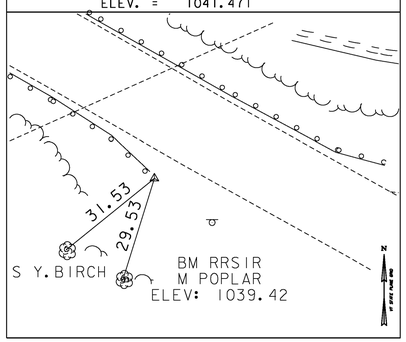
NORTH = 533673.243
EAST = 1691446.660
ELEV. = 1071.564



TRAVERSE TIES

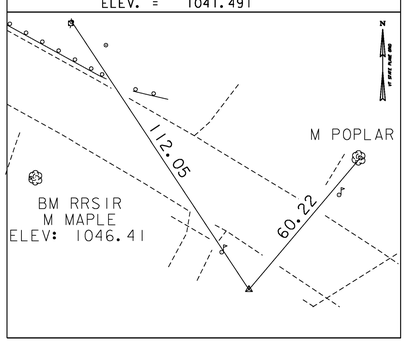
HVCTRL #9

NORTH = 532904.146
EAST = 1692466.498
ELEV. = 1041.471



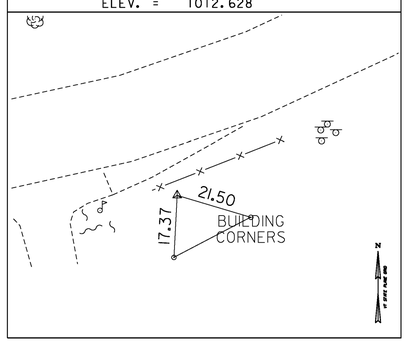
HVCTRL #10

NORTH = 532674.213
EAST = 1692862.758
ELEV. = 1041.491



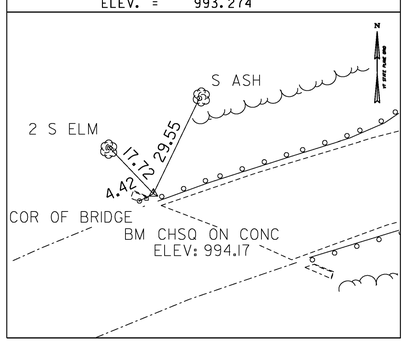
HVCTRL #11

NORTH = 532426.158
EAST = 1693484.357
ELEV. = 1012.628



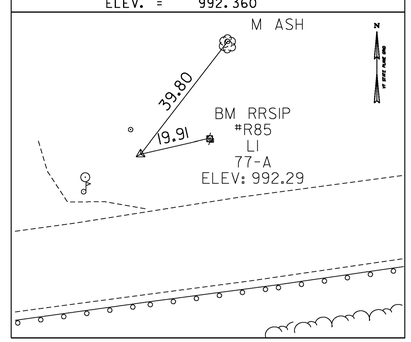
HVCTRL #12

NORTH = 533052.870
EAST = 1694385.483
ELEV. = 993.274



HVCTRL #13

NORTH = 533150.654
EAST = 1694868.740
ELEV. = 992.360



DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83(07)
ADJUSTMENT COMPASS

PROJECT NAME: VERSHIRE - THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: survey\x10c224t1.dgn
PROJECT LEADER: MIKE FOWLER
DESIGNED BY: VTRANS
TIE SHEET 1

PLOT DATE: 1/29/2013
DRAWN BY: R. BULLOCK
CHECKED BY: VTRANS
SHEET 3 OF 232

GPS CONTROL POINTS

HVCTRL #14

EAGLE HOLLOW

NORTH = 533160.487
EAST = 1695673.958
ELEV. = 953.652

GENERAL LOCATION, VERSHIRE, VT. TO REACH FROM THE INTERSECTION OF VT ROUTES 113 AND 244 IN POST MILLS GO NORTHWEST ALONG VT ROUTE 113 FOR 6.1 MI (9.8 KM) TO THE SITE OF THE MARK ON THE RIGHT. IT IS 0.1 MI (0.2 KM) SOUTHEAST OF THE INTERSECTION OF VT ROUTE 113 AND EAGLE HOLLOW ROAD. THE MARK IS SET FLUSH WITH GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT. IT IS 7.5 M (24.6 FT) NORTHEAST OF THE CENTERLINE OF VT ROUTE 113, 9.1 M (29.9 FT) SOUTHWEST OF THE CENTERLINE OF A GRAVEL DRIVE, 6.5 M (21.3 FT) NORTHWEST OF THE SOUTHEAST END OF A STEEL BEAM GUARD RAIL, 21.8 M (71.5 FT) NORTHEAST OF MILE MARKER 1130/0914/0540, AND 0.3 M (1.0 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST.

HVCTRL #15

EAGLE HOLLOW AZ MK

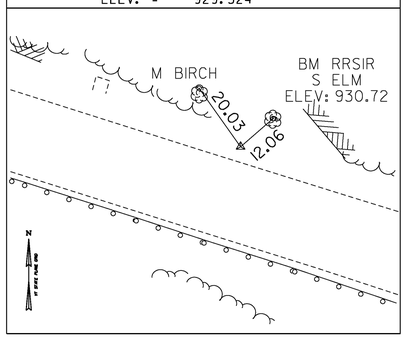
NORTH = 532349.516
EAST = 1697004.923
ELEV. = 933.671

GENERAL LOCATION, VERSHIRE,VT. TO REACH FROM THE INTERSECTION OF VT ROUTES 244 AND 113 IN POST MILLS GO NORTHWEST ALONG VT ROUTE 113 FOR 5.8 MI (9.3 KM) TO THE SITE OF THE MARK ON THE LEFT. TO REACH FROM THE INTERSECTION OF EAGLE HOLLOW ROAD AND VT ROUTE 113 GO SOUTHEAST ALONG VT ROUTE 113 FOR 0.4 MI (0.6 KM) TO THE MARK ON THE RIGHT. THE MARK IS SET FLUSH WITH GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT. IT IS 5.5 M (18.0 FT) SOUTHWEST OF AND ABOUT LEVEL WITH THE CENTERLINE OF VT ROUTE 113, 24.8 M (81.4 FT) SOUTH SOUTHEAST OF THE CENTERLINE OF A GRAVEL DRIVE WHERE IT MEETS VT ROUTE 113, 7.1 M (23.3 FT) SOUTHEAST OF POLE NO.173/R91/L, 1.2 M (3.9 FT) SOUTHWEST OF A STEEL BEAM GUARD RAIL, 2.0 M (6.6 FT) NORTHEAST OF A GUY ANCHOR, AND 0.3 M (1.0 FT) NORTHWEST OF A FIBERGLASS WITNESS POST.

TRAVERSE TIES

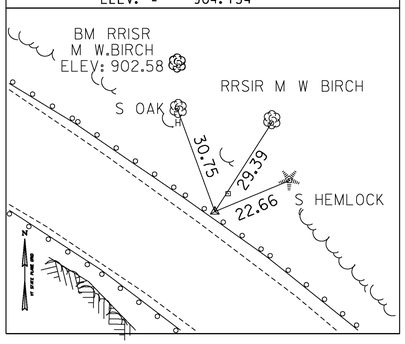
HVCTRL #16

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EAST = 1697568.203
ELEV. = 929.524



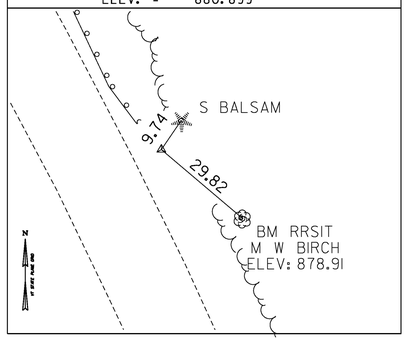
HVCTRL #17

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EAST = 1698036.469
ELEV. = 904.734



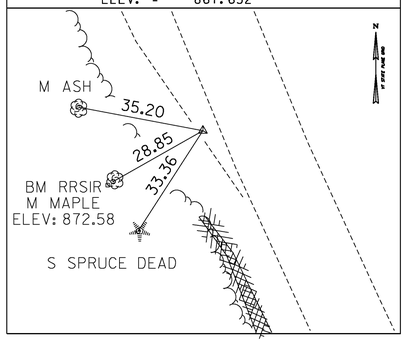
HVCTRL #18

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ELEV. = 880.899



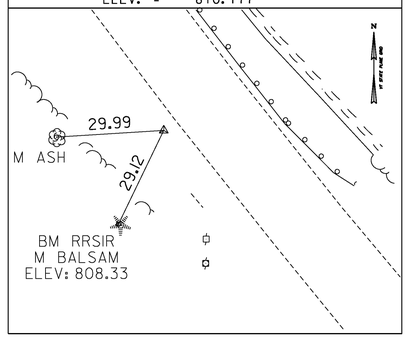
HVCTRL #19

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EAST = 1699232.770
ELEV. = 867.632



HVCTRL #20

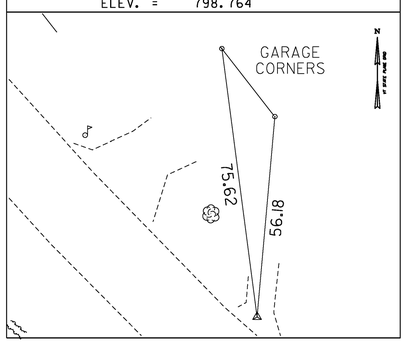
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ELEV. = 810.777



TRAVERSE TIES

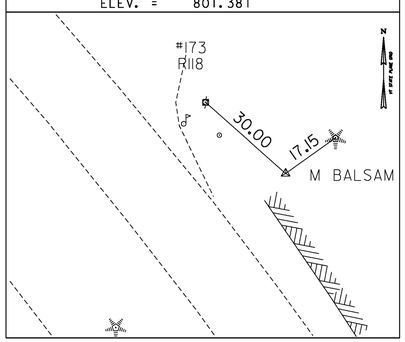
HVCTRL #21

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EAST = 1700814.871
ELEV. = 798.764



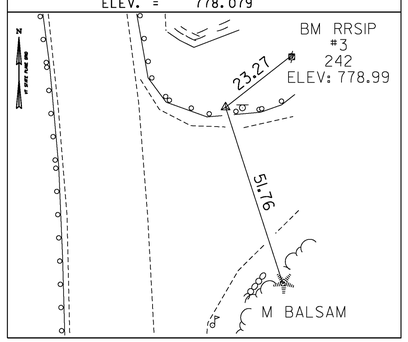
HVCTRL #22

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EAST = 1701352.080
ELEV. = 801.381



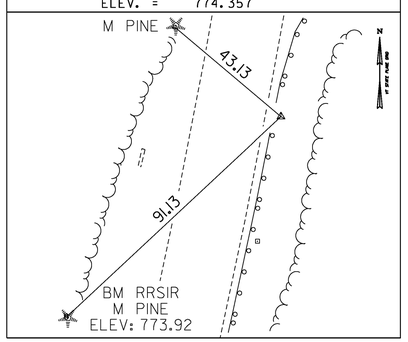
IP #23

NORTH = 524299.245
EAST = 1702160.399
ELEV. = 778.079



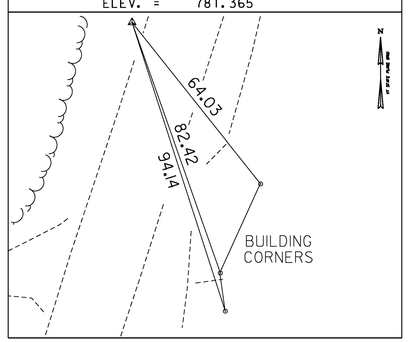
IP #24

NORTH = 523484.587
EAST = 1702062.206
ELEV. = 774.357



HVCTRL #25

NORTH = 521794.997
EAST = 1701517.031
ELEV. = 781.365



DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83(07)
ADJUSTMENT COMPASS

PROJECT NAME: VERSHIRE - THETFORD
PROJECT NUMBER: STP 2911(1)

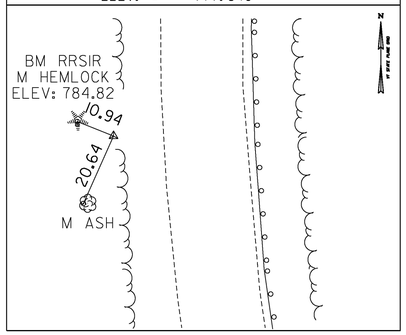
FILE NAME: survey\x10c224t1.dgn
PROJECT LEADER: MIKE FOWLER
DESIGNED BY: VTRANS
TIE SHEET 2

PLOT DATE: 1/29/2013
DRAWN BY: R. BULLOCK
CHECKED BY: VTRANS
SHEET 4 OF 232

TRAVERSE TIES

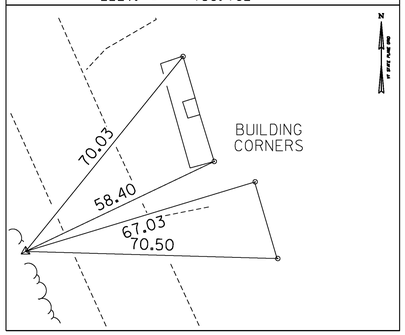
HVCTRL #26

NORTH =	521057.085
EAST =	1701304.197
ELEV. =	777.840



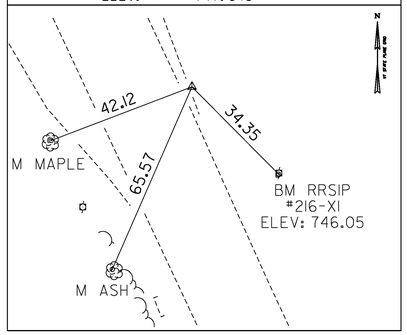
IP #27

NORTH =	520041.818
EAST =	1701704.368
ELEV. =	758.762



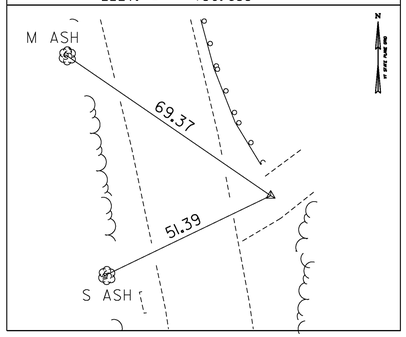
HVCTRL #28

NORTH =	519207.123
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ELEV. =	747.648



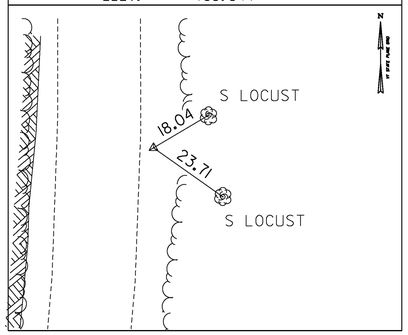
HVCTRL #29

NORTH =	517443.434
EAST =	1702975.117
ELEV. =	750.653



HVCTRL #30

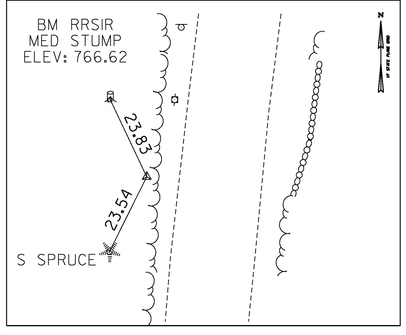
NORTH =	517020.554
EAST =	1703005.775
ELEV. =	753.544



TRAVERSE TIES

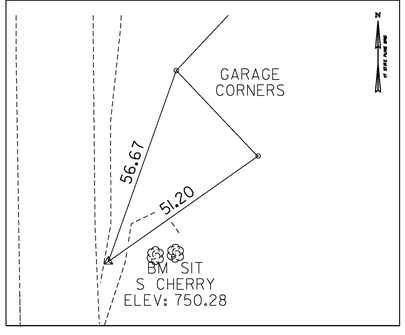
HVCTRL #31

NORTH =	516038.827
EAST =	1702844.371
ELEV. =	762.709



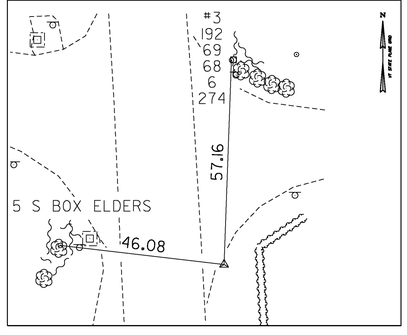
HVCTRL #32

NORTH =	514863.132
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ELEV. =	749.533



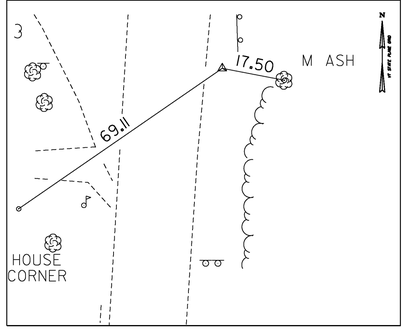
HVCTRL #33

NORTH =	513687.879
EAST =	1702950.537
ELEV. =	738.520



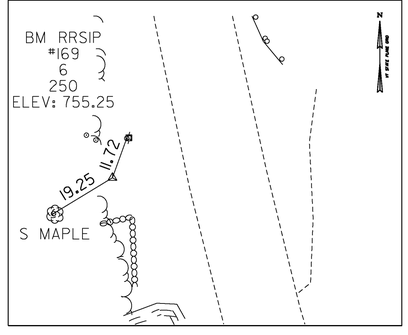
HVCTRL #34

NORTH =	512808.999
EAST =	1702945.715
ELEV. =	728.290



IP #35

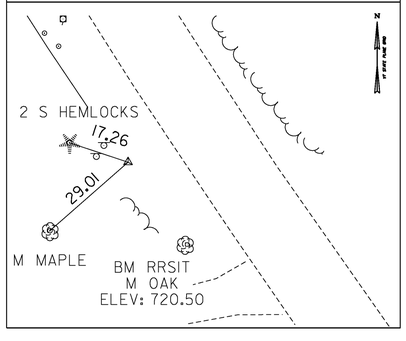
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EAST =	1702795.392
ELEV. =	756.098



TRAVERSE TIES

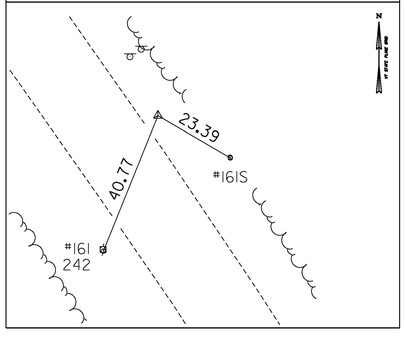
IP #36

NORTH =	509362.373
EAST =	1703210.647
ELEV. =	723.957



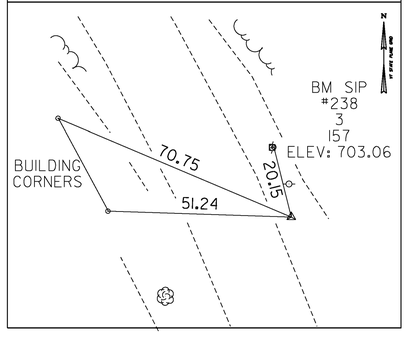
HVCTRL #37

NORTH =	508828.354
EAST =	1703674.972
ELEV. =	697.555



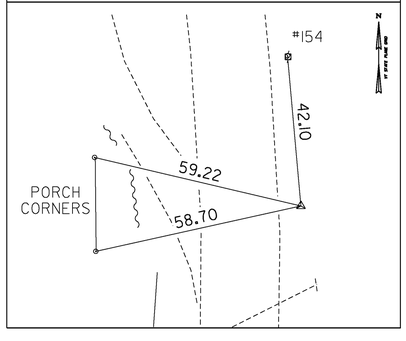
HVCTRL #38

NORTH =	508120.693
EAST =	1704114.162
ELEV. =	702.783



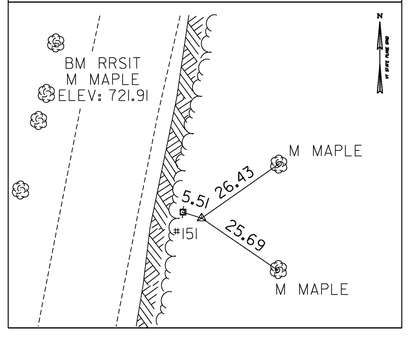
HVCTRL #39

NORTH =	507672.969
EAST =	1704205.606
ELEV. =	703.085



IP #40

NORTH =	507237.016
EAST =	1704130.704
ELEV. =	731.471



DATUM

VERTICAL NAVD 88

HORIZONTAL NAD 83(07)

ADJUSTMENT COMPASS

PROJECT NAME: VERSHIRE - THETFORD

PROJECT NUMBER: STP 2911(1)

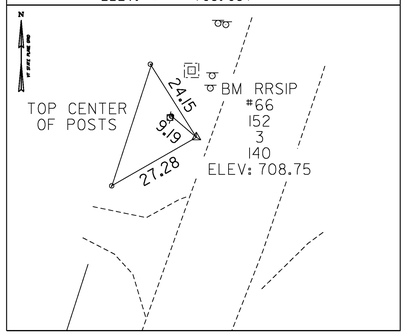
FILE NAME: survey\x10c224t1.dgn
PROJECT LEADER: MIKE FOWLER
DESIGNED BY: VTRANS
TIE SHEET 3

PLOT DATE: 1/29/2013
DRAWN BY: R. BULLOCK
CHECKED BY: VTRANS
SHEET 5 OF 232

TRAVERSE TIES

IP #41

NORTH = 505255.459
EAST = 1703510.038
ELEV. = 708.081



HVCTRL #42

NORTH = 505569.093
EAST = 1704778.614
ELEV. = 691.789

NOT TIED

HVCTRL #43

NORTH = 505708.067
EAST = 1705627.786
ELEV. = 698.871

NOT TIED

NORTH =
EAST =
ELEV. =

NORTH =
EAST =
ELEV. =

GPS CONTROL POINTS

HVCTRL #98

SARAZIN

NORTH = 520208.237
EAST = 1701777.147
ELEV. = 750.989

GENERAL LOCATION, WEST FAIRLEE, VT. OWNERSHIP, PHILIP SARAZIN, 2112 VT ROUTE 113, WEST FAIRLEE, VT 05083.
TO REACH FROM THE INTERSECTION OF VT ROUTE 244 AND VT ROUTE 113 GO NORTH ALONG ROUTE 113 FOR 3.0 MI (4.8 KM) TO THE SIGHT OF THE MARK ON THE RIGHT. THE MARK IS SET IN THE TOP OF A 4.9 M (16.1 FT) X 3.1 M (10.2 FT) ROCK OUT CROP WHICH PROJECTS 0.2 M (0.7 FT) ABOVE GROUND SURFACE. IT IS 34.1 M (111.9 FT) EAST OF AND ABOUT 1.5 M (4.9 FT) LOWER THEN THE CENTER OF VT ROUTE 113, 9.1 M (29.9 FT) SOUTH OF POLE NO 221/9 WITH TRANSFORMER, 35.2 M (115.5 FT) NORTH-NORTHEAST OF THE NORTHWEST CORNER OF HOUSE NO 2112, 26.7 M (87.6 FT) NORTH OF THE CENTER OF A WELL WITH 1.1 M (3.6 FT) DIAMETER CONCRETE COVER AND 2.5 M (8.2 FT) WEST OF THE EAST EDGE OF THE ROCK OUT CROP.

HVCTRL #99

BALLON

NORTH = 505367.455
EAST = 1706480.914
ELEV. = 692.192

GENERAL LOCATION, THETFORD, VT OWNERSHIP, BRIAN J BOLAND, P.O.BOX 51, POST MILLS, VT 05058. TO REACH FROM THE INTERSECTION OF VT.ROUTE 113 AND VT.ROUTE 244 IN POST MILLS GO EAST ALONG VT.ROUTE 244 FOR 0.4 MI (0.6 KM) TO THE Y INTERSECTION OF ROBINSON HILL ROAD RIGHT. BEAR RIGHT AND GO 0.2 MI (0.3 KM) PAST THE POST MILLS AIRPORT TO A GRAVEL DRIVE RIGHT AND THE MARK ON THE RIGHT. THE MARK IS SET IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT ON THE EAST SIDE OF THE AIRPORT. IT IS 7.3 M (24.0 FT) SOUTH OF AND ABOUT 0.2 M (0.7 FT) LOWER THAN THE SOUTH EDGE OF PAVEMENT OF ROBINSON HILL ROAD, 13.9 M (45.6 FT) WEST SOUTHWEST FROM THE INTERSCTION OF THE CENTERLINE OF THE GRAVEL DRIVE AND THE EDGE OF ROBINSON HILL ROAD, 29.0 M (95.1 FT) WEST FROM THE WEST CORNER OF A 1 AND 1/2 STOREY WOOD FRAME HOUSE, AND 27.9 M (91.5 FT) WEST NORTHWEST FROM THE CENTER OF A 0.4 M (1.3 FT) HIGH WATER WELL.

(2011) THE MARK IS SET 10.1 M (33.1 FT) SOUTH OF AND LEVEL WITH THE CENTERLINE OF ROBINSON HILL ROAD, 10.9 M (35.8 FT) WEST OF THE CENTERLINE OF HANGER BAY LANE AND 29.0 M (95.1 FT) NORTH-NORTHWEST OF A 50 CM (20 INCH) WHITE PINE.

ALIGNMENT TIES

NORTH =
EAST =
ELEV. =

NORTH =
EAST =
ELEV. =

NORTH =
EAST =
ELEV. =

NORTH =
EAST =
ELEV. =

NORTH =
EAST =
ELEV. =

DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83(07)
ADJUSTMENT COMPASS

PROJECT NAME: VERSHIRE - THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: survey\x10c224t1.dgn
PROJECT LEADER: MIKE FOWLER
DESIGNED BY: VTRANS
TIE SHEET 4

PLOT DATE: 1/29/2013
DRAWN BY: R. BULLOCK
CHECKED BY: VTRANS
SHEET 6 OF 232

GENERAL NOTES

1. PLEASE NOTE THAT ALL PROPOSED IMPACTS BEYOND THE EDGE OF EXISTING PAVEMENT WITHIN THE AREAS DEFINED AS HISTORIC PROPERTIES (FOUND IN THE ARCMAP DATABASE) SHALL BE REPORTED TO AND EVALUATED BY THE VTRANS HPO BEFORE CONSTRUCTION BEGINS. THIS STIPULATION IS PER THE SECTION 106 REVIEW.

2. ALL PROPOSED WORK TO BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY.

3. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICALS OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN AND END, AND ALL PAVED SIDE ROAD APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. ALL JOINTS SHALL BE SAW CUT INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT.

4. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE ENGINEER SHALL CONTACT THE VAOT CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE. IF THE CONTRACTOR IS DETERMINED BY THE ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE STATE.

5. PRIOR TO PAVING IN COLD PLANE APPROACH AREAS, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3'' OR AS DIRECTED BY THE ENGINEER. EXCAVATION SHALL BE PAID FOR UNDER ITEM 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE BEFORE THE LEVELING COURSE IS PLACED. SEE THE PAVING PROJECT LIMITS TABLE ON SHEET 8 FOR PROPOSED PAVEMENT WIDTHS.

6. ITEM 203.40, SHOULDER BERM REMOVAL HAS BEEN INCLUDED FOR THE REMOVAL OF BUILT UP SAND, SOD ETC ADJACENT TO THE SHOULDER, IN GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.

7. PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER WILL 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 ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS 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 QUANTITY OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, FINE GRADED HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION. THIS WORK IS TO BE PERFORMED ON ALL TYPICAL SECTIONS.

8. STABILIZING AGENT FOR THE SECOND RECLAIM PASS WILL BE PORTLAND CEMENT. IT HAS BEEN ASSUMED THAT 1% BY WEIGHT OF PORTLAND CEMENT WILL BE REQUIRED BY MIX DESIGN. PAYMENT WILL BE MADE UNDER ITEM 900.680, SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION).

9. 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).

10. THE COLD MIXED RECYCLED BITUMINOUS PAVEMENT 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 3" 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).

11. FOR THE PURPOSES OF QUANTITY CALCULATION IT HAS BEEN ASSUMED 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. FOR THE SAME PURPOSE IT HAS ALSO BEEN ASSUMED 1% BY WEIGHT OF PORTLAND CEMENT WILL BE REQUIRED BY MIX DESIGN.

12. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS EXCLUDING LEVEL COURSE). SUBBASE TOLERANCE = 1.0" +/- (TOTAL THICKNESS)

13. EMULSIFIED ASPHALT TYPE RS-1H OR CRS-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 IVS LEVELING COURSE. AN APPLICATION RATE OF 0.040 TO 0.060 GAL/SY SHALL BE USED AS DIRECTED BY THE ENGINEER.

14. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, THE LEVELING COURSE SHALL BE TYPE IVS 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 490.03(b).

15. ALL SIDE ROADS ARE TO BE PAVED 25 FEET FROM THE EDGE OF MAINLINE SHOULDER UNLESS OTHERWISE SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER.

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

17. ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A 4' PAVED APRON 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). BITUMINOUS CONCRETE MATERIAL PLACED BY MECHANICAL METHODS AT THESE LOCATIONS IS EXCLUDED. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS, WHETHER BY HAND OR MECHANICAL METHODS, SHALL BE PAID UNDER THE APPROPRIATE CONTRACT PAY ITEM FOR SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.

18. MAILBOX PULL-OFFS TO BE PAVED AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

19. ASPHALTIC PLUG-TYPE JOINT SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS. SEE BRIDGE JOINT ASPHALTIC PLUG (STRUCTURES DETAIL SD-516.10)

    VERSHIRE
    BRIDGE #11 - 212+88 (MM 4.032) 37' ASPHALTIC JOINT
    213+10 (MM 4.036) 37' ASPHALTIC JOINT
    BRIDGE #17 - 273+05 (MM 5.171) 42' ASPHALTIC JOINT
    BRIDGE #19 - 310+57 (MM 5.882) 37' ASPHALTIC JOINT
    BRIDGE #20 - 376+67 (MM 7.134) 44' ASPHALTIC JOINT
    BRIDGE #22 - 402+28 (MM 7.619) 34' ASPHALTIC JOINT
    WEST FAIRLEE
    BRIDGE #23 - F111+12 (MM 2.105) 36' ASPHALTIC JOINT
    BRIDGE #23 - F111+04 TO F111+73 RT 69'

20. COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, FINE GRADED, ITEM 402.12, AGGREGATE SHOULDERS AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.

21. ITEM 604.412 IS ESTIMATED AND SHALL BE PERFORMED AT LOCATIONS SHOWN ON THE ROADWAY LAYOUT SHEETS OR AS DIRECTED BY THE ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION MATCHES WITH THE SURROUNDING TERRAIN.

22. AN ESTIMATED QUANTITY OF ITEM 608.15, POWER GRADER RENTAL HAS BEEN INCLUDED FOR REMOVING BUILT UP SAND, SOD ETC. ADJACENT TO THE SHOULDER, IN NON-GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.

23. 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.

24. ALL STONE SLOPES (NOT IN DITCHES) SHALL BE STABILIZED WITH ITEM 613.10, STONE FILL, TYPE I; ITEM 653.20, TEMPORARY EROSION MATTING; ITEM 651.40, GRUBBING MATERIAL; ITEM 651.15, SEED; ITEM 651.18, FERTILIZER AND ITEM 651.20, AGRICULTURAL LIMESTONE.

25. ITEM 653.60, EROSION LOG AND/OR ITEM 649.51, GEOTEXTILE FOR SILT FENCE IS TO BE USED AT LOCATIONS DETERMINED IN THE FIELD BY THE ENGINEER.

26. 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.

27. 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.

28. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.

29. 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 621.20, STEEL BEAM GUARDRAIL, GALVANIZED AND ITEM 621.205, STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS.

30. IN AREAS WHERE A UTILITY POLE OR SIMILAR OBJECT IS LOCATED WITHIN 4 FEET BEHIND GUARDRAIL, A REDUCED POST SPACING SHALL BE USED. THE REDUCED SPACING IS DETAILED ON THE MISCELLANEOUS DETAIL SHEET.

31. ESTIMATED QUANTITIES OF ITEM 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37, TRUCK RENTAL AND ITEM 608.40, LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES.
    25 CUBIC YARDS OF ITEM 203.30, EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR FLARE CONSTRUCTION. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF DITCHING MATERIAL OR TOPSOIL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ITEM 653.20, TEMPORARY EROSION MATTING SHALL BE PLACED ON SLOPES GREATER THAN 1:6 CREATED BY THE GUARDRAIL FLARE. THE QUANTITIES REFLECT 25 SY OF ITEM 653.20, TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL FLARE.

32. DURABLE PAVEMENT MARKINGS ARE OPTIONED FOR THIS PROJECT. THE CONTRACTOR SHALL BID THE SAME MARKING MATERIAL FOR ALL OPTION ITEMS.

33. WHEN FINISHED GRADE HAS BEEN MET, THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGNS BEING RETAINED ARE IN CONFORMANCE WITH VTRANS STANDARD E-12I AS DIRECTED BY THE ENGINEER.

PROJECT NOTES

PROJECT NAME: VERSHIRE-THETFORD

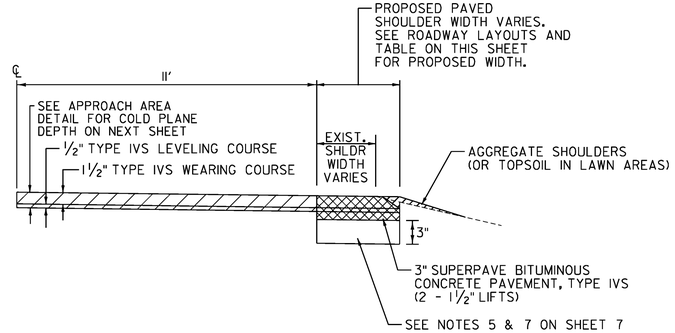
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_7

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 7 OF 232

PROJECT PAVING LIMITS

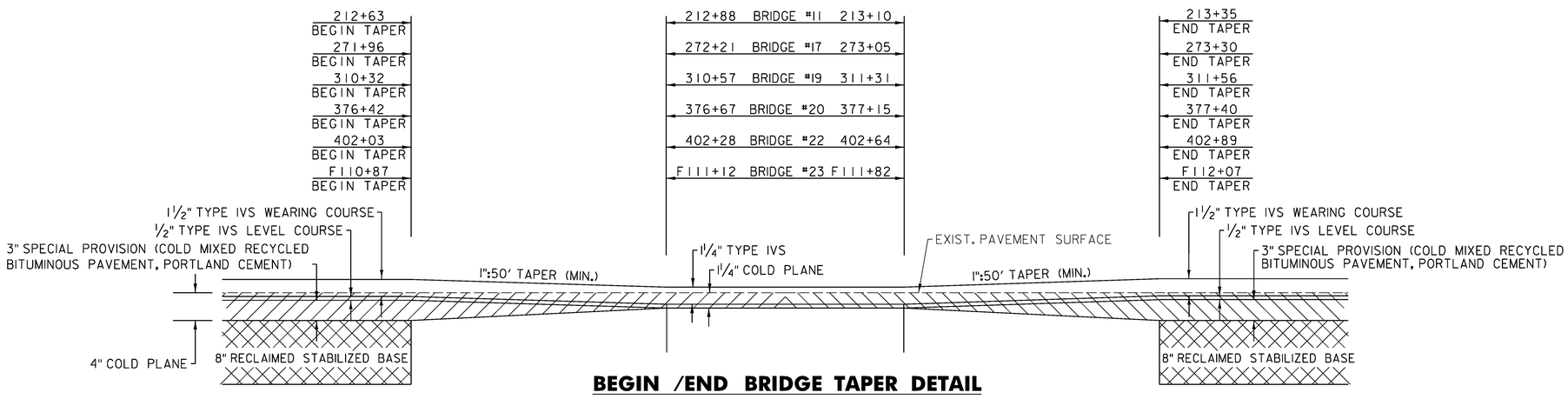
TOWN	BEGIN STATION	END STATION	LT SHOULDER	LANE TYPICAL	RT SHOULDER	WEARING DEPTH (in)	LEVELING DEPTH (in)	NOTES
VT 113						TYPE IVS	TYPE IVS	
VERSHIRE	185+08	185+58	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE AND PAVE (SEE APPROACH AREA DETAIL NEXT SHEET)
	185+58	212+88	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	212+88	213+10	3.0	11.0-11.0	3.0	1 ¼"	½"	COLD PLANE 1¼", LEVEL AND OVERLAY (BRIDGE #11)
	213+10	272+21	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	272+21	273+05	3.0	11.0-11.0	3.0	1 ¼"	½"	COLD PLANE 1¼", LEVEL AND OVERLAY (BRIDGE #17)
	273+05	309+22	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	309+22	310+22	VARIES	11.0-11.0	VARIES	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	310+22	310+57	5.0	11.0-11.0	5.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	310+57	311+31	5.0	11.0-11.0	5.0	1 ¼"	½"	COLD PLANE 1¼", LEVEL AND OVERLAY (BRIDGE #19)
	311+31	311+50	5.0	11.0-11.0	VARIES	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	311+50	312+50	VARIES	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	312+50	376+67	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	376+67	377+15	3.0	11.0-11.0	3.0	1 ¼"	½"	COLD PLANE 1¼", LEVEL AND OVERLAY (BRIDGE #20)
	377+15	402+28	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	402+28	402+64	3.0	11.0-11.0	3.0	1 ¼"	½"	COLD PLANE 1¼", LEVEL AND OVERLAY (BRIDGE #22)
	402+64	408+20	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
WEST FAIRLEE	F0+00	F76+50	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	F76+50	F77+50	VARIES	11.0-11.0	VARIES	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	F77+50	F99+00	1.0	11.0-11.0	1.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	F99+00	F100+00	VARIES	11.0-11.0	VARIES	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	F100+00	F111+12	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	F111+12	F111+82	5.0	11.0-11.0	3.0	1 ¼"	½"	COLD PLANE 1¼", LEVEL AND OVERLAY (BRIDGE #23)
	F111+82	F148+94	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
THETFORD	T0+00	T41+43	3.0	11.0-11.0	3.0	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	T41+43	T42+43	3.0	11.0-11.0	VARIES	1 ½"	½"	COLD PLANE 4", RECLAIM 8", PAVE COLD MIX, LEVEL AND WEARING
	T42+43	T42+93	VARIES	11.0-11.0	VARIES	1 ½"	½"	COLD PLANE AND PAVE (SEE APPROACH AREA DETAIL NEXT SHEET)



SHOULDER RECONSTRUCTION IN COLD PLANE AREA

LOCATION

VERSHIRE - 187+70 - 189+70
THETFORD - T40+43 - T42+93



BEGIN /END BRIDGE TAPER DETAIL

NOT TO SCALE

PROJECT TYPICAL SHEET 1

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

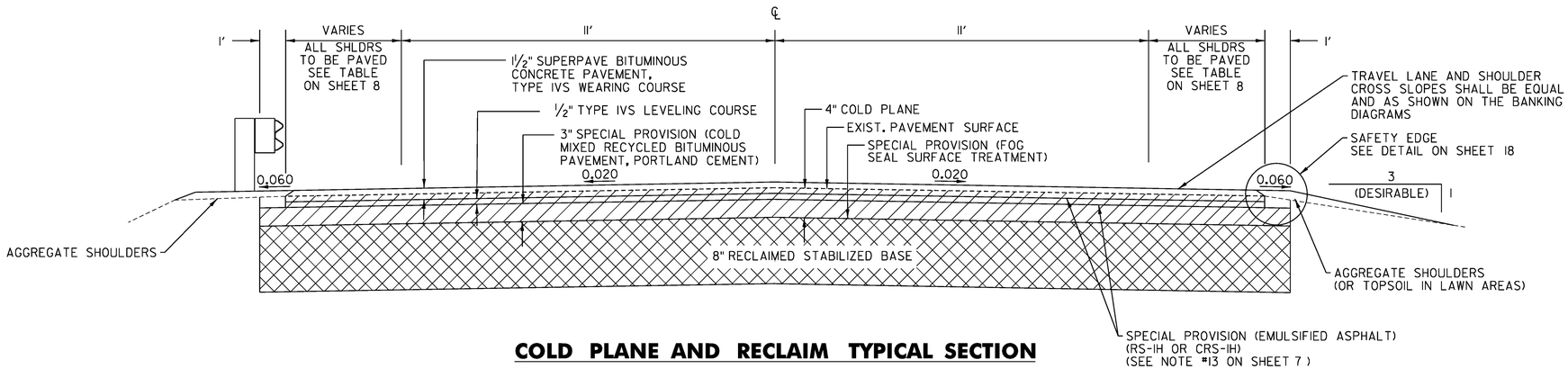
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_8

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 8 OF 232

POSSIBLE ORDER OF OPERATIONS FOR RECLAIMED STABILIZED BASE WITH PORTLAND CEMENT PAVEMENT REHABILITATION		
STEP	DESCRIPTION	PAYMENT ITEM(S)
1	COLD PLANE EXISTING ROADWAY 4"	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" AS SHOWN ON PROJECT TYPICAL SHEETS USING WATER FOR STABILIZATION AND COMPACTION	ITEM 310.20 RECLAIMED STABILIZED BASE: WATER USED FOR STABILIZATION SHALL BE CONSIDERED INCIDENTAL TO ITEM 310.20 PER SPECIFICATION AS DIRECTED BY THE ENGINEER
4	CORRECT SUPERELEVATION DEFICIENCIES	ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED SEE NOTE 7 ON SHEET 7
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), ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION) AND ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)
6	PLACE 3" COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT	ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT); ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING)
7	PLACE 1/2" TYPE IVS LEVELING COURSE	ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
8	1 1/2" TYPE IVS WEARING COURSE	ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT

RECLAIM OPERATIONS NOTES

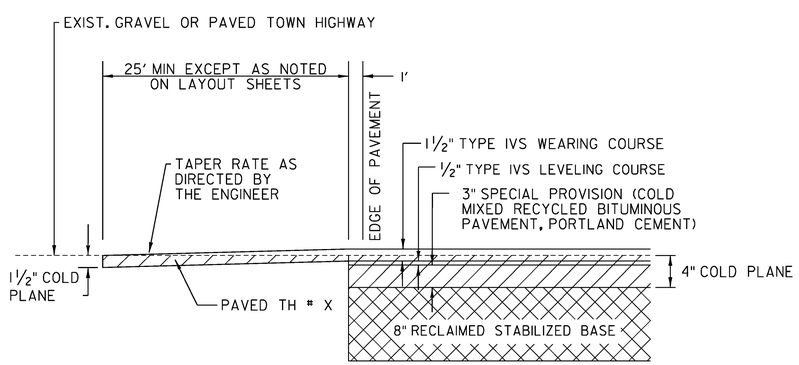
1. THIS LIST OF PROCEDURES FOR REHABILITATING THE EXISTING ROADBED IS PRESENTED FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL PREPARE THEIR OWN SCHEDULE OF OPERATIONS TO COMPLETE THE PROPOSED WORK UTILIZING THE APPROPRIATE PAY ITEMS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. AN ESTIMATED QUANTITY OF ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED HAS BEEN INCLUDED WITHIN THE CONTRACT TO BE USED AT THE DISCRETION OF THE ENGINEER TO CORRECT CROSS-SLOPE DEFICIENCIES WHICH SHOULD PRINCIPALLY EXIST WITHIN THE HORIZONTAL CURVED SECTIONS OF THE ROADWAY.



COLD PLANE AND RECLAIM TYPICAL SECTION

LOCATION

VERSHIRE - 185+08 - 408+20
WEST FAIRLEE - F0+00 - F148+94
THETFORD - T0+00 - T42+93



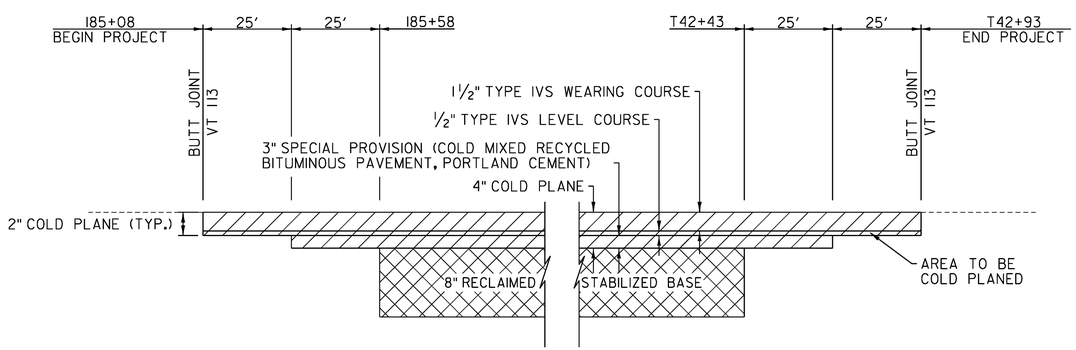
TOWN HIGHWAY TRANSITION DETAIL AT COLD PLANE AND RECLAIM AREAS

LOCATION

VERSHIRE
TH 9 - 188+39 (NORTH RD)
TH 23 - 231+63 (DARLING HILL RD)
TH 45 - 259+59 (RICKER BRIDGE RD)
TH 4 - 259+59 (PARKER RD)
TH 3 - 281+11 (EAGLE HOLLOW RD)
TH 27 - 347+80 (KINGDOM RD)
TH 15 - 401+31 (BEAVER MEADOW RD)

WEST FAIRLEE
TH 30 - F93+75 (AUSTIN RD)
TH 28 - F103+48 (MILL ST)
TH 3 - F103+48 (BEANVILLE RD)
SCHOOL DRIVE - F109+94
TH 29 - F112+25 (BACK ST)

THETFORD
TH 1 - T1+83 (CROSSROAD)



APPROACH AREA DETAIL – MAINLINE IN RECLAIM AREAS

NOT TO SCALE

PROJECT TYPICAL SHEET 2

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_9
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 9 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES

ROADWAY	TRAINING	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
1				1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	-
3				3		EACH	THINNING AND TRIMMING FOR SIGNS	201.31	-
45				45		CY	COMMON EXCAVATION	203.15	1.7
75				75		CY	SOLID ROCK EXCAVATION	203.16	3.8
75				75		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	4
1225				1225		CY	EARTH BORROW	203.30	-
50				50		LF	SHOULDER BERM REMOVAL	203.40	4
1290				1290		CY	TRENCH EXCAVATION OF EARTH	204.20	13.4
250				250		CY	TRENCH EXCAVATION OF ROCK	204.21	EST.
1				1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
106400				106400		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	1042
5900				5900		TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	51
116200				116200		SY	RECLAIMED STABILIZED BASE	310.20	1109
3200				3200		TON	AGGREGATE SHOULDERS	402.12	12
1				1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
16000				16000		CWT	EMULSIFIED ASPHALT, COLD MIX	415.25	169
15300				15300		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	170
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	-
		340		340		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	4
		50		50		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
6				6		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.
4150				4150		LF	6 INCH UNDERDRAIN PIPE	605.10	51
55				55		LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	4
380				380		HR	POWER GRADER RENTAL	608.15	EST.
400				400		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
160				160		HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
800				800		HR	TRUCK RENTAL	608.37	EST.
400				400		HR	LOADER RENTAL, TYPE I	608.40	EST.
1380				1380		CY	STONE FILL, TYPE I	613.10	12.4
15				15		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	EST.
10				10		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	0.6
20				20		SF	DETECTABLE WARNING SURFACE	618.30	-
210				210		EACH	YIELDING MARKER POSTS	619.17	1
20				20		LF	REMOVAL OF EXISTING FENCE	620.55	-
2575				2575		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	35.5
8000				8000		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	73.5
75				75		LF	STEEL BEAM GUARDRAIL, GALVANIZED/NESTED	621.206	12.5

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
104248	SY	VT 113
1110	SY	TOWN HIGHWAYS
105358	SY	SUBTOTAL
1042	SY	ROUNDING
106400	SY	TOTAL
		SUBBASE OF CRUSHED GRAVEL, FINE GRADED
67	TON	TH 29
5782	TON	FILL NEEDED FOR DIFFERENCES IN SUPERELEVATION
5849	TON	SUBTOTAL
51	TON	ROUNDING
5900	TON	TOTAL
		RECLAIMED STABILIZED BASE
52308	SY	VT 113, VERSHIRE
48662	SY	VT 113, WEST FAIRLEE
14121	SY	VT 113, THETFORD
115091	SY	SUBTOTAL
1109	SY	ROUNDING
116200	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
11198	TON	VT 113, TYPE IV S, WEARING COURSE
3738	TON	VT 113, TYPE IV S, LEVEL COURSE
177	TON	TOWN HIGHWAYS, TYPE IV S, WEARING COURSE
17	TON	TH 29 TYPE II S, BASE COURSE
15130	TON	SUBTOTAL
170	TON	ROUNDING
15300	TON	TOTAL
		SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)
52308	SY	VT 113, VERSHIRE
48662	SY	VT 113, WEST FAIRLEE
14121	SY	VT 113, THETFORD
115091	SY	SUBTOTAL
1109	SY	ROUNDING
116200	SY	TOTAL

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
QUANTITY SHEET #1

PLOT DATE: 02/06/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 10 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES								TOTALS		DESCRIPTIONS			
						ROADWAY	TRAINING	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
						100				100		LF	STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS	621.207	12.5
						350				350		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	16.5
						500				500		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.215	19.5
						49				49		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
						2				2		EACH	REPLACE GUARDRAIL POST ASSEMBLY	621.76	EST.
						1				1		EACH	REPLACE GUARDRAIL BEAM UNIT	621.77	EST.
						18600				18600		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	168
						6				6		EACH	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	-
						1670				1670		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
						7000				7000		HR	FLAGGERS	630.15	EST.
									1	1		LS	FIELD OFFICE, ENGINEERS	631.10	-
									1	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
									3000	3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-
							520			520		HR	EMPLOYEE TRAINEESHIP	634.10	-
						1				1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-
						1				1		LS	TRAFFIC CONTROL	641.10	-
						3				3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
													BEGIN OPTION AA		
						83900				83900		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	834
						83900				83900		LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	834
						83900				83900		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	834
													END OPTION AA		
													BEGIN OPTION BB		
						76000				76000		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	693
						76000				76000		LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	693
						76000				76000		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	693
													END OPTION BB		
													BEGIN OPTION CC		
						230				230		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	16
						230				230		LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	16
						230				230		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	16
													END OPTION CC		
													BEGIN OPTION DD		
						52				52		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
						52				52		EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-
						52				52		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-
													END OPTION DD		
						167800				167800		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	1668
						152000				152000		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	1386
						460				460		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	32

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_II

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET II OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES								TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
						ROADWAY	TRAINING	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
						104				104		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
						3800				3800		EACH	LINE STRIPING TARGETS	646.76	32			
						5620				5620		SY	GEOTEXTILE UNDER STONE FILL	649.31	57			
						1600				1600		SY	GEOTEXTILE FOR SILT FENCE	649.51	26			
						435				435		LB	SEED	651.15	2.4			
						3625				3625		LB	FERTILIZER	651.18	EST.			
						15				15		TON	AGRICULTURAL LIMESTONE	651.20	EST.			
						15				15		TON	HAY MULCH	651.25	EST.			
						230				230		CY	TOPSOIL	651.35	EST.			
						540				540		SY	GRUBBING MATERIAL	651.40	10			
						17550				17550		SY	TEMPORARY EROSION MATTING	653.20	193			
						1900				1900		LF	EROSION LOG	653.60	85			
						1020				1020		SF	TRAFFIC SIGNS, TYPE A	675.20	8.28			
						650				650		LB	TUBULAR STEEL SIGN POST	675.33	7.8			
						3040				3040		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	37			
						8				8		EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-			
						166				166		EACH	REMOVING SIGNS	675.50	-			
						60				60		EACH	DELINEATOR WITH STEEL POST	676.10	3			
						60				60		EACH	REMOVAL OF EXISTING DELINEATOR	676.12	-			
						1				1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-			
						116200				116200		SY	SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)	900.675	1109			
						2770				2770		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	31			
						116200				116200		SY	SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT)	900.675	1109			
						34700				34700		TON	SPECIAL PROVISION (MATERIAL TRANSFER VEHICLE)	900.680				
						2080				2080		TON	SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION)	900.680	20			
						195				195		TON	SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING)	900.680	2			
						435				435		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	3			
						1470				1470		CWT	SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)	900.683	18			

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_12

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 12 OF 232

LOCATION			DROP INLETS				GUARDRAIL											MISCELLANEOUS					REMARKS
			604.412				613.10	621.20	621.205	621.206	621.207	621.21	621.215	621.60	621.76	621.77	621.80	621.81	649.31	651.15	651.40	653.20	676.10	
STA	STA	POS	REHAB. DI, CB, OR MH, CLASS I				STONE FILL, TYPE I	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8' POSTS	STEEL BEAM GUARDRAIL GALV./ NESTED	STEEL BEAM GUARDRAIL GALV./ NESTEDW/8' POSTS	HD STEEL BEAM GUARDRAIL GALV.	HD STEEL BEAM GUARDRAIL GALV. W/8' POST	ANCHOR FOR STEEL BEAM RAIL	REPLACE GUARDRAIL POST ASSEMBLY	REPLACE GUARDRAIL BEAM UNIT	REMOVAL & DISPOSAL OF GUARDRAIL	REMOVAL & DISPOSAL OF GUIDE POSTS	GEOTEXT. UNDER STONE FILL	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	DELIN. W/ STEEL POST	
			EACH				CY	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	LF	EACH	SY	LB	SY	SY	EACH	
	VERSHIRE																							
185+08.0	408+20.0	LT/RT	3												2	1				297.6		3602		ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER
185+08.0	408+20.0	LT/RT					505.3												2273	41.6		3352		SEE DITCH CLEANING SHEET
192+80.0	195+92.0	RT															312.0							
192+80.0	195+92.5	RT							316.5					2									2	ANCHOR @ 192+80, ANCHOR @ 195+92.5, SEE STANDARD G-1d
197+56.0	198+70.0	LT															114.0							
197+68.0	198+58.0	RT															90.0							
202+56.0	204+47.0	RT															191.0							
202+46.0	204+46.0	RT							204.0					2									2	ANCHOR @ 202+46, ANCHOR @ 204+46, SEE STANDARD G-1d
206+16.0	208+31.0	RT															215.0							
206+17.0	208+29.5	RT							216.5					2									2	ANCHOR @ 206+17, ANCHOR @ 208+29.5, SEE STANDARD G-1d
	BRIDGE 11																							
211+98.0	212+74.0	RT															76.0							
211+99.0	212+49.0	RT							52.0					1									1	ANCHOR @ 211+99, SEE STANDARD G-1d
212+49.0	212+74.0	RT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
212+74.0	212+99.0	RT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
212+99.0	213+34.0	RT															35.0							
212+99.0	213+24.0	RT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
213+24.0	213+74.0	RT							52.0					1									1	ANCHOR @ 213+74, SEE STANDARD G-1d
	BRIDGE 11																							
212+62.0	213+00.0	LT															38.0							
212+62.5	212+75.0	LT							14.5					1									1	ANCHOR @ 212+62.5, SEE STANDARD G-1d
212+75.0	213+00.0	LT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
213+00.0	213+25.0	LT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
213+25.0	213+89.0	LT															64.0							
213+25.0	213+50.0	LT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
213+50.0	213+87.5	LT							39.5					1									1	ANCHOR @ 213+87.5, SEE STANDARD G-1d
223+17.0	234+24.0	LT															1107.0							
222+99.0	234+24.0	LT							1129.0					2									2	ANCHOR @ 222+99, ANCHOR @ 234+24, SEE STANDARD G-1d
225+39.0	227+56.0	RT															217.0							
229+90.0	230+99.0	RT															109.0							
237+94.0	240+68.0	LT															274.0							
237+92.5	240+67.5	LT							279.0					2									2	ANCHOR @ 237+92.5, ANCHOR @ 240+67.5, SEE STANDARD G-1d
243+88.0	251+17.0	LT															729.0							
243+90.0	251+15.0	LT							729.0					2									2	ANCHOR @ 243+90, ANCHOR @ 251+15, SEE STANDARD G-1d
244+55.0	245+93.0	RT															138.0							
248+85.0	250+60.0	RT															175.0							
251+88.0	254+63.0	LT															275.0							
259+25.0		LT																					1	
259+87.0	259+99.5	LT															12.5							
260+83.0	261+15.0	LT															32.0							REMOVE CABLE GUARDRAIL
259+87.0	260+74.5	LT							87.5															CONNECT TO EXIST. RAIL OFF TH 45
260+74.5	260+99.5	LT									25.0													SEE DETAIL OF GUARDRAIL AT SMALL CULVERTS ON SHEET 23
260+99.5	261+24.5	LT							27.0					1									1	ANCHOR @ 261+24.5, SEE STANDARD G-1d
SUBTOTAL SHEET 13			3				505.3	0.0	3146.5	0.0	25.0	0.0	130.0	17	2	1	4203.5	0	2273	339.2	0	6954	18	

ITEM DETAIL SUMMARY SHEET 1

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_13

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 13 OF 232

LOCATION			DROP INLETS				GUARDRAIL											MISCELLANEOUS					REMARKS
			604.412				613.10	621.20	621.205	621.206	621.207	621.21	621.215	621.60	621.76	621.77	621.80	621.81	649.31	651.15	651.40	653.20	676.10	
STA	STA	POS	REHAB. DI, CB, OR MH, CLASS I				STONE FILL, TYPE I	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8' POSTS	STEEL BEAM GUARDRAIL GALV./ NESTED	STEEL BEAM GUARDRAIL GALV./ NESTEDW/8' POSTS	HD STEEL BEAM GUARDRAIL GALV.	HD STEEL BEAM GUARDRAIL GALV. W/8' POST	ANCHOR FOR STEEL BEAM RAIL	REPLACE GUARDRAIL POST ASSEMBLY	REPLACE GUARDRAIL BEAM UNIT	REMOVAL & DISPOSAL OF GUARDRAIL	REMOVAL & DISPOSAL OF GUIDE POSTS	GEOTEXT. UNDER STONE FILL	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	DELIN. W/ STEEL POST	
			EACH				CY	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	LF	EACH	SY	LB	SY	SY	EACH	
	BRIDGE 16																							
260+65.0	260+97.0	RT															32.0							REMOVE CABLE GUARDRAIL
260+49.5	260+74.5	RT						27.0						1									1	ANCHOR @ 260+49.5, SEE STANDARD G-1d
260+74.5	260+99.5	RT								25.0														SEE DETAIL OF GUARDRAIL AT SMALL CULVERTS ON SHEET 23
260+99.5	261+12.0	RT						14.5						1									1	ANCHOR @ 261+12, SEE STANDARD G-1d
	BRIDGE 17																							
270+18.0	272+32.0	RT															214.0							
270+19.5	272+07.0	RT							189.5					1									1	ANCHOR @ 270+19.5, SEE STANDARD G-1d
272+07.0	272+32.0	RT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
272+32.0	273+20.0	RT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
273+20.0	279+88.0	RT															668.0							
273+20.0	273+51.3	RT											41.0											BRIDGE APPROACH RAIL SCHEDULE II, SEE DETAIL ON SHEET 19
273+51.3	279+88.8	RT							639.5					1									1	ANCHOR @ 279+88.8, SEE STANDARD G-1d
	BRIDGE 17																							
270+19.0	272+07.0	LT															188.0							
270+19.5	271+82.0	LT						164.5						1									1	ANCHOR @ 270+19.5, SEE STANDARD G-1d
271+82.0	272+07.0	LT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
272+07.0	272+85.0	LT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
272+85.0	273+65.0	LT															80.0							
272+85.0	273+16.3	LT											41.0											BRIDGE APPROACH RAIL SCHEDULE II, SEE DETAIL ON SHEET 19
273+16.3	273+66.3	LT							52.0					1									1	ANCHOR @ 273+66.3, SEE STANDARD G-1d
282+68.0	286+02.0	LT															334.0							
283+18.0	285+35.0	RT															217.0							
	BRIDGE 19																							
294+45.0	310+49.0	RT															1604.0							
293+05.2	310+17.7	RT							1714.5					1									1	ANCHOR @ 293+05.2, SEE STANDARD G-1d
310+17.7	310+49.0	RT											41.0											BRIDGE APPROACH RAIL SCHEDULE II, SEE DETAIL ON SHEET 19
310+49.0	311+24.0	RT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
311+24.0	312+99.0	RT															175.0							
311+24.0	311+49.0	RT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
311+49.0	312+99.0	RT							152.0					1									1	ANCHOR @ 312+99, SEE STANDARD G-1d
296+00.0	299+76.0	LT															376.0							
304+50.0	306+00.0	RT					36.5												78	1.0	78	78		
	BRIDGE 19																							
310+15.0	310+62.5	LT															47.5							
310+16.0	310+37.5	LT						23.5						1									1	ANCHOR @ 310+16, SEE STANDARD G-1d
310+37.5	310+62.5	LT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
310+62.5	311+37.5	LT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
311+37.5	322+43.0	LT															1105.5							
311+37.5	311+68.8	LT										41.0												BRIDGE APPROACH RAIL SCHEDULE II, SEE DETAIL ON SHEET 19
311+68.8	322+43.8	LT						1077.0						1									1	ANCHOR @ 322+43.8, SEE STANDARD G-1d
330+68.0	332+57.0	LT															189.0							
331+16.0	332+56.0	RT															140.0							
336+01.0	343+55.0	LT															754.0							
342+71.0	343+96.0	RT															125.0							
350+26.0	357+52.0	LT															726.0							
350+27.0	357+52.0	LT						729.0						2									2	ANCHOR @ 350+27, ANCHOR @ 357+52, SEE STANDARD G-1d
SUBTOTAL SHEET 14			0				36.5	2035.5	2747.5	25.0	0.0	106.0	188.0	12	0	0	6975.0	0	78	1.0	78	78	12	

ITEM DETAIL SUMMARY SHEET 2

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_I4

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET I4 OF 232

LOCATION			DROP INLETS				GUARDRAIL												MISCELLANEOUS					REMARKS
			604.412				613.10	621.20	621.205	621.206	621.207	621.21	621.215	621.60	621.76	621.77	621.80	621.81	649.31	651.15	651.40	653.20	676.10	
STA	STA	POS	REHAB. DI, CB, OR MH, CLASS I				STONE FILL, TYPE I	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8' POSTS	STEEL BEAM GUARDRAIL GALV./ NESTED	STEEL BEAM GUARDRAIL GALV./ NESTEDW/8' POSTS	HD STEEL BEAM GUARDRAIL GALV.	HD STEEL BEAM GUARDRAIL GALV. W/8' POST	ANCHOR FOR STEEL BEAM RAIL	REPLACE GUARDRAIL POST ASSEMBLY	REPLACE GUARDRAIL BEAM UNIT	REMOVAL & DISPOSAL OF GUARDRAIL	REMOVAL & DISPOSAL OF GUIDE POSTS	GEOTEXT. UNDER STONE FILL	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	DELIN. W/ STEEL POST	
			EACH				CY	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	LF	EACH	SY	LB	SY	SY	EACH	
359+88.0	364+81.0	LT															493.0							
359+79.0	360+16.5	LT							39.5					1									1	ANCHOR @ 359+79, SEE STANDARD G-1d
360+16.5	360+41.5	LT									25.0													SEE DETAIL OF GUARDRAIL AT SMALL CULVERTS ON SHEET 23
360+41.5	364+79.0	LT							439.5					1									1	ANCHOR @ 364+79, SEE STANDARD G-1d
360+18.0	360+41.0	RT																5						
	BRIDGE 20																							
374+60.0	376+49.0	LT															189.0							
374+61.5	376+24.0	LT						164.5						1									1	ANCHOR @ 374+61.5, SEE STANDARD G-1d
376+24.0	376+49.0	LT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
376+49.0	376+99.0	LT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
376+99.0	377+62.0	LT															63.0							
376+99.0	377+24.0	LT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
377+24.0	377+61.5	LT						39.5						1									1	ANCHOR @ 377+61.5, SEE STANDARD G-1d
	BRIDGE 20																							
376+44.0	376+82.0	RT															38.0							
376+32.0	376+57.0	RT							27.0					1									1	ANCHOR @ 376+32, SEE STANDARD G-1d
376+57.0	376+82.0	RT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
376+82.0	377+32.0	RT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
377+32.0	378+24.0	RT															92.0							
377+32.0	377+57.0	RT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
377+57.0	378+19.5	RT							64.5					1									1	ANCHOR @ 378+19.5, SEE STANDARD G-1d
378+24.0	380+10.0	LT															186.0							
384+05.0	388+81.0	RT															476.0							
BRIDGE 21 & 22																								
399+60.0	402+18.0	RT															258.0							
399+54.0	400+54.0	RT							102.0					1									1	ANCHOR @ 399+54, SEE STANDARD G-1d
400+54.0	400+91.5	RT									37.5													SEE DETAIL OF GUARDRAIL AT LARGE CULVERTS ON SHEET 23
400+91.5	401+91.5	RT							100.0															
401+91.5	402+16.5	RT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
402+16.5	402+54.0	RT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
402+54.0	403+67.0	RT															113.0							
402+54.0	402+79.0	RT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
402+79.0	403+66.5	RT						89.5						1									1	ANCHOR @ 403+66.5, SEE STANDARD G-1d
	BRIDGE 21																							
400+13.0	400+99.0	LT															86.0							ENDS ON TH 15
400+14.5	400+52.0	LT						39.5						1									1	ANCHOR @ 400+14.5, SEE STANDARD G-1d
400+52.0	400+89.5	LT								37.5														SEE DETAIL OF GUARDRAIL AT LARGE CULVERTS ON SHEET 23
400+89.5	400+99.5	LT						52.0						1										ENDS ON TH 15, ANCHOR @ 400+99.5, SEE STANDARD G-1d
	BRIDGE 22																							
402+14.0	402+37.0	LT															23.0							
402+10.5	402+35.5	LT											32.5	1									1	ANCHOR @ 402+10.5, SEE STANDARD G-1d,
																								BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
402+35.5	402+73.0	LT																						RETAIN EXIST. STEEL BEAM BRIDGE RAIL
402+73.0	403+26.0	LT															53.0							
402+73.0	402+98.0	LT											32.5											BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
402+98.0	403+23.0	LT							27.0					1									1	ANCHOR @ 403+23, SEE STANDARD G-1d
WEST FAIRLEE																								
F0+00.0	F148+94.0	LT/RT	3																	0.4		1951	5	ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER
F0+00.0	F148+94.0	LT/RT					399.3												1797	60.2		4862		SEE DITCH CLEANING SHEET
F0+58.0	F5+33.0	LT															475.0							
F2+26.0	F4+54.0	RT															228.0							
SUBTOTAL SHEET 15			3				399.3	385.0	799.5	37.5	62.5	97.5	162.5	12	0	0	2773.0	5	1797	60.6	0	6813	16	

ITEM DETAIL SUMMARY SHEET 3

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_15

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 15 OF 232

LOCATION			DROP INLETS				GUARDRAIL											MISCELLANEOUS					REMARKS
			604.412				613.10	621.20	621.205	621.206	621.207	621.21	621.215	621.60	621.76	621.77	621.80	621.81	649.31	651.15	651.40	653.20	676.10	
STA	STA	POS	REHAB. DI, CB, OR MH, CLASS I				STONE FILL, TYPE I	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8' POSTS	STEEL BEAM GUARDRAIL GALV./ NESTED	STEEL BEAM GUARDRAIL GALV./ NESTEDW/8' POSTS	HD STEEL BEAM GUARDRAIL GALV.	HD STEEL BEAM GUARDRAIL GALV. W/8' POST	ANCHOR FOR STEEL BEAM RAIL	REPLACE GUARDRAIL POST ASSEMBLY	REPLACE GUARDRAIL BEAM UNIT	REMOVAL & DISPOSAL OF GUARDRAIL	REMOVAL & DISPOSAL OF GUIDE POSTS	GEOTEXT. UNDER STONE FILL	SEED	GRUBBING MATERIAL	TEMP. EROSION MATTING	DELIN. W/ STEEL POST	
			EACH				CY	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	LF	EACH	SY	LB	SY	SY	EACH	
F11+82.0	F14+09.0	LT															227.0							
F21+24.0	F28+85.0	LT															761.0							
F25+00.0	F25+50.0	LT					8.3												18	0.2	18	18		
F37+99.0	F40+39.0	LT															240.0							
F38+70.0	F40+19.0	RT															149.0							
F41+05.0	F46+01.0	LT															496.0							
F48+50.0	F52+51.0	LT															401.0							
F61+80.0	F66+04.0	LT															424.0							
F72+56.0	F76+81.0	LT															425.0							
F80+00.0	F83+00.0	LT																					5	
F83+90.0	F84+75.0	LT					18.8												40	0.5	40	40		
F86+50.0	F87+75.0	LT					17.9												38	0.5	38	38		
F86+84.0		LT																1						
	BRIDGE 23																							
F110+59.0	F111+24.0	LT															65.0							
F110+61.5	F110+99.0	LT						40.0						1									1	ANCHOR @ F110+61.5, SEE STANDARD G-1d
F110+99.0	F111+24.0	LT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
F111+24.0	F111+91.0	LT																						RETAIN EXIST. BRIDGE RAIL
F111+91.0	F112+56.0	LT															65.0							
F111+91.0	F112+16.0	LT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
F112+16.0	F112+66.0	LT						52.0						1									1	ANCHOR @ F112+66, SEE STANDARD G-1d
	BRIDGE 23																							
F110+73.0	F111+00.0	RT															27.0							
F110+77.5	F111+00.0	RT										32.5		1										ANCHOR @ F110+77.5, SEE STANDARD G-1d
F111+00.0	F111+70.5	RT																						RETAIN EXIST. BRIDGE RAIL
F111+70.5	F111+91.0	RT															20.5							
F111+70.5	F111+94.5	RT										32.5												BRIDGE APPROACH RAIL SCHEDULE I, SEE DETAIL ON SHEET 19
F111+94.5	F112+01.5	RT						27.0						1										ANCHOR @ F112+01.5, SEE STANDARD G-1d
TH 29	F112+25.0	RT																		1.7		135		
F126+92.0	F138+72.0	LT															1180.0							
F126+94.5	F138+69.5	LT							1179.0					2									2	ANCHOR @ F126+94.5, ANCHOR @ F138+69.5, SEE STANDARD G-1d
F130+50.0	F137+00.0	LT					167.4												356	4.4	356	356		
F148+74.0	T0+30.0	RT							54.0					2									2	ANCHOR @ F148+74, ANCHOR @ T0+30, SEE STANDARD G1-d
	THETFORD																							
T0+00.0	T42+93.0	LT/RT																				943		ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER
T0+00.0	T42+93.0	LT/RT					214.1												963	18.2		1475		SEE DITCH CLEANING SHEET
TH 1	T1+83.0	LT																		6.3		507		
SUBTOTAL SHEET 13			3				505.3	0.0	3146.5	0.0	25.0	0.0	130.0	17	2	1	4203.5	0	2273	339.2	0	6954	18	
SUBTOTAL SHEET 14			0				36.5	2035.5	2747.5	25.0	0.0	106.0	188.0	12	0	0	6975.0	0	78	1.0	78	78	12	
SUBTOTAL SHEET 15			3				399.3	385.0	799.5	37.5	62.5	97.5	162.5	12	0	0	2773.0	5	1797	60.6	0	6813	16	
SUBTOTAL SHEET 16			0				426.5	119.0	1233.0	0.0	0.0	130.0	0.0	8	0	0	4480.5	1	1415	31.8	452	3512	11	
PROJECT SUBTOTAL			6				1367.6	2539.5	7926.5	62.5	87.5	333.5	480.5	49	2	1	18432.0	6	5563	432.6	530	17357	57	
TOTAL ROUNDING			0				12.4	35.5	73.5	12.5	12.5	16.5	19.5	0	0	0	168.0	0	57	2.4	10	193	3	
PROJECT TOTAL			6				1380.0	2575.0	8000.0	75.0	100.0	350.0	500.0	49	2	1	18600.0	6	5620	435.0	540	17550	60	

ITEM DETAIL SUMMARY SHEET 4

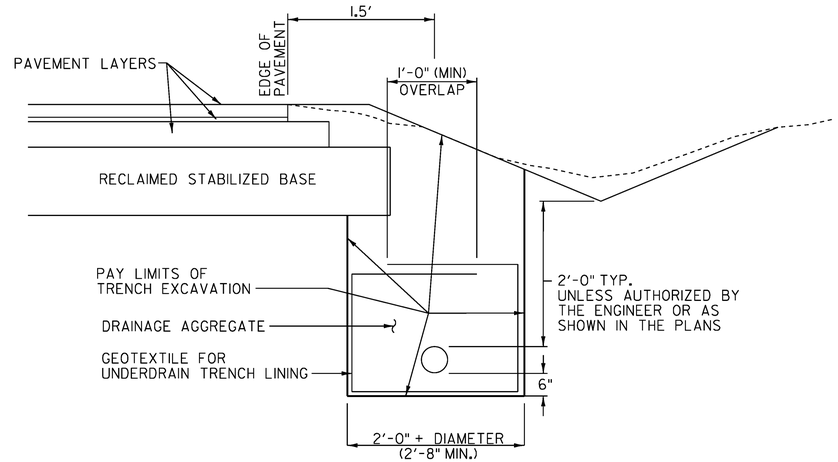
PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_I6

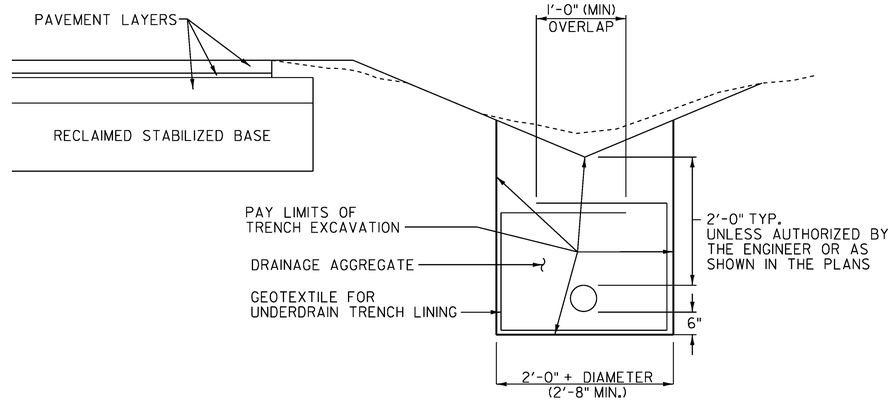
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 16 OF 232

LOCATION				605.10	605.20	204.20	619.17	REMARKS
				6 INCH UNDERDRAIN PIPE	6 INCH UNDERDRAIN CARRIER PIPE	TRENCH EXCAVATION OF EARTH	YIELDING MARKER POSTS	
SITE	STA	STA	POS	LF	LF	CY	EA	
	VERSHIRE							
	185+08	408+20	LT/RT				88	INLETS AND OUTLETS OF CULVERTS
1	192+00	195+25	LT	325		89.0	1	
2	333+00	336+43	RT	343		56.7	1	
3	345+00	347+40	RT	250		31.9	1	
	WEST FAIRLEE							
	F0+00	F148+94	RT				89	INLETS AND OUTLETS OF CULVERTS
4	F29+75	F33+75	RT	400		95.6	1	
5	F34+00	F38+72	RT	472		115.0	1	
6	F44+00	F45+77	RT	177		5.8	1	
7	F81+50	F83+66	RT	216		85.2	1	
8	F83+80	F84+78	RT	98		36.8	1	CONNECT UNDERDRAIN TO EXISTING CB (INCIDENTAL TO ITEM 605.11)
9	F85+05	F86+72	RT	167		74.3	1	CONNECT UNDERDRAIN TO EXISTING CB (INCIDENTAL TO ITEM 605.11)
10	F87+35	F88+87	RT	152		77.1	1	
11	F88+87	F89+24	LT/RT		51	28.1	1	
12	F132+60	F136+00	RT	340		144.7	1	
13	F137+50	F139+30	RT	185		72.0	1	
14	F139+45	F140+25	RT	84		27.0	1	
15	F141+10	F143+75	RT	267		94.1	1	
16	F145+55	T0+04	RT	343		160.1	1	
	THETFORD							
	T0+00	T42+93	LT/RT				15	INLETS AND OUTLETS OF CULVERTS
17	T31+70	T34+50	RT	280		83.2	1	
VERSHIRE SUBTOTAL				918		177.6	91	
WEST FAIRLEE SUBTOTAL				2901	51	1015.8	102	
THETFORD SUBTOTAL				280		83.2	16	
PROJECT SUBTOTAL				4099	51	1276.6	209	
ROUNDING				51	4	13.4	1	
PROJECT TOTAL				**4150**	**55**	**1290**	**210**	



UNDERDRAIN DETAIL

SITE NO: 7-10



UNDERDRAIN DETAIL

SITE NO: 1-6, 11-17

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 605.10, 6 INCH UNDERDRAIN PIPE

NOT TO SCALE

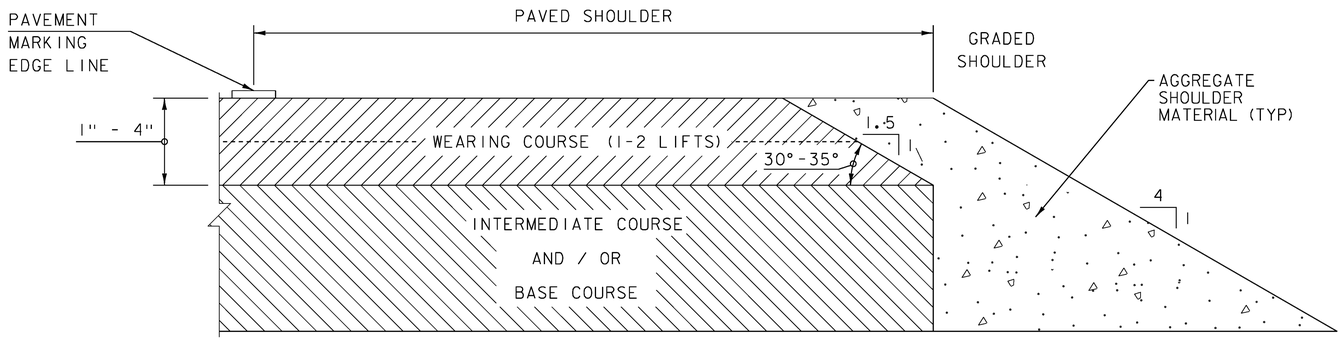
UNDERDRAIN DETAIL SHEET

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

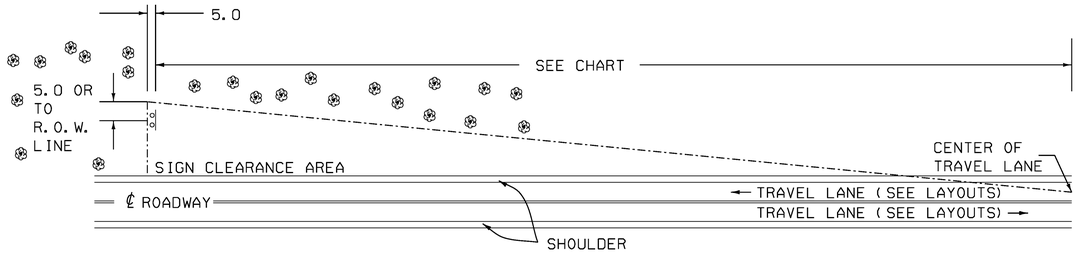
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_17

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 17 OF 232



SAFETY EDGE DETAIL

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.



MINIMUM SIGN SIGHT DISTANCE CHART

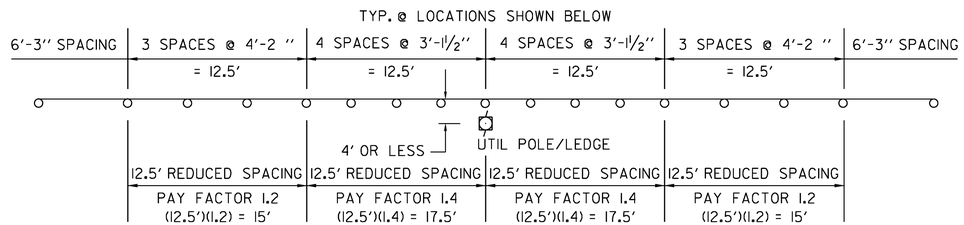
APPROACH SPEED (mph)	SIGHT DISTANCE (feet)
30 OR LESS	300
35	350
40	400
45	450
50	500
55	550

THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS AND TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL. PAYMENT WILL BE UNDER ITEM 201.31, THINNING AND TRIMMING FOR SIGNS. NO CHEMICALS (POISONS OR DEFOLIANTS) WILL BE ALLOWED.

THINNING AND TRIMMING DETAIL

LOCATION

213+91 RT
213+98 RT
277+50 RT



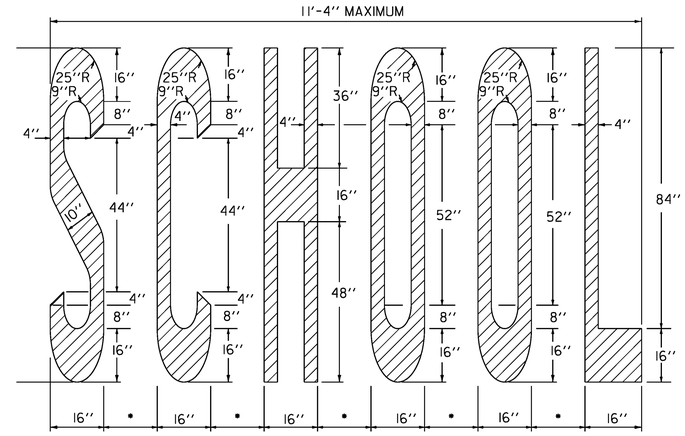
GUARDRAIL DETAIL

OBJECTS WITHIN 4.0 FT OF GUARDRAIL

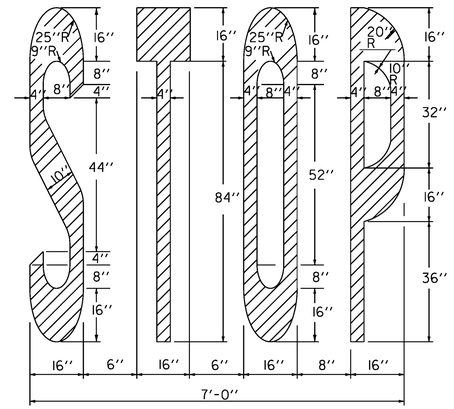
LOCATION

F136+88 LT

NOT TO SCALE



• (4"-8") - ADJUST TO AVAILABLE PAVEMENT WIDTH



PAVEMENT MARKING DETAIL

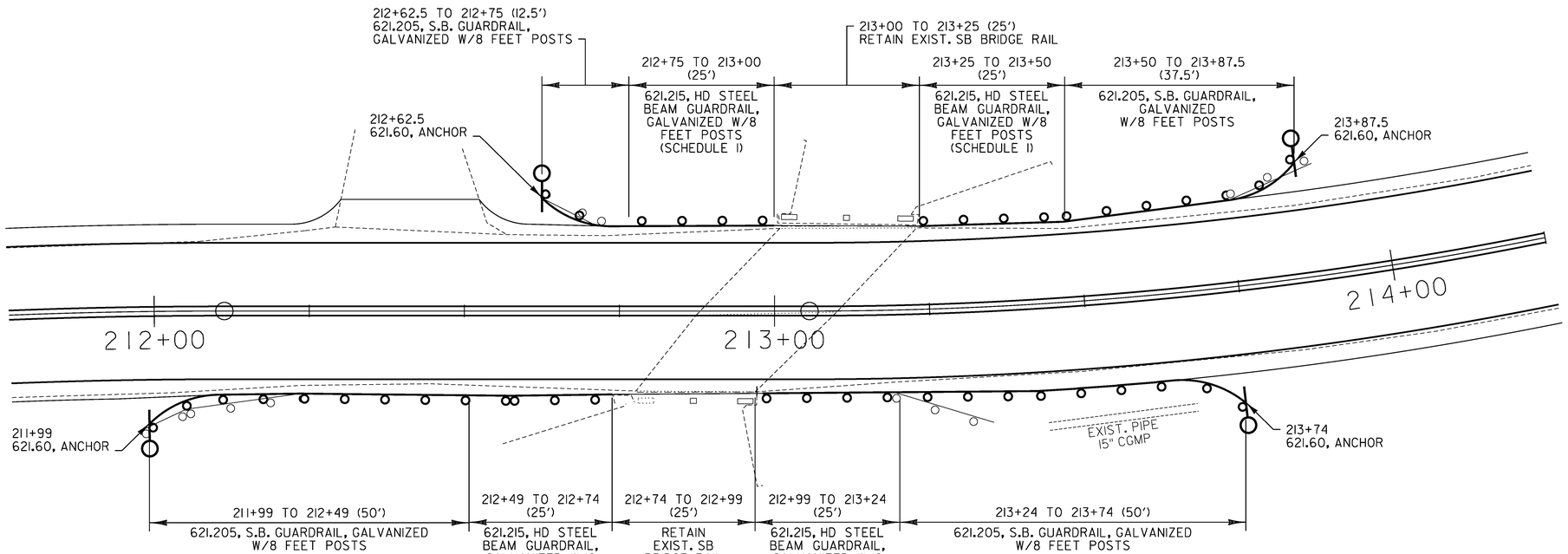
MISCELLANEOUS DETAIL SHEET

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

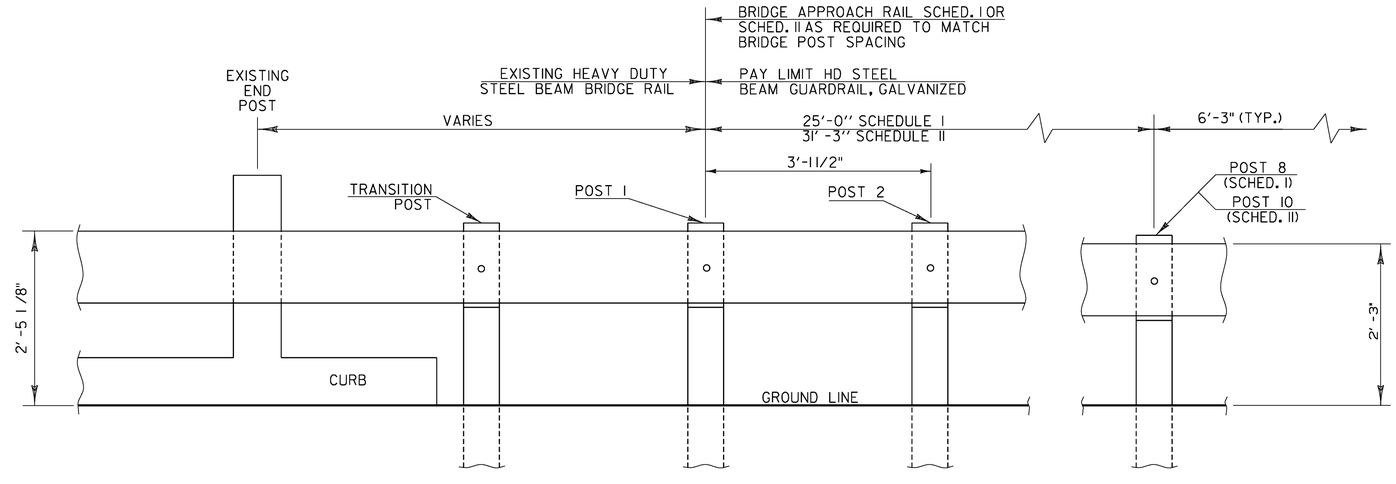
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_18

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 18 OF 232



BRIDGE #11

VERSHIRE
212+99 (MM 4.034)



BRIDGE APPROACH RAILING

NOT TO SCALE

BRIDGE APPROACH RAILING

WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1 USE SCHEDULE I FOR APPROACH RAILING. WHEN A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST USE SCHEDULE II FOR APPROACH RAILING.

SCHEDULE I

POST NO.	SPACING	PAYMENT FACTOR
1	3'-1.5"	1.4 x 12'-6"
2	3'-1.5"	
3	3'-1.5"	
4	3'-1.5"	
5	4'-2"	1.2 x 12'-6"
6	4'-2"	
7	4'-2"	
8	6'-3" (TYP.)	1.0 (TYP.)
9		

SCHEDULE II

POST NO.	SPACING	PAYMENT FACTOR
1	3'-1.5"	1.4 X 18'-9"
2	3'-1.5"	
3	3'-1.5"	
4	3'-1.5"	
5	3'-1.5"	
6	3'-1.5"	
7	4'-2"	1.2 x 12'-6"
8	4'-2"	
9	4'-2"	
10	6'-3" (TYP.)	1.0 (TYP.)
11		

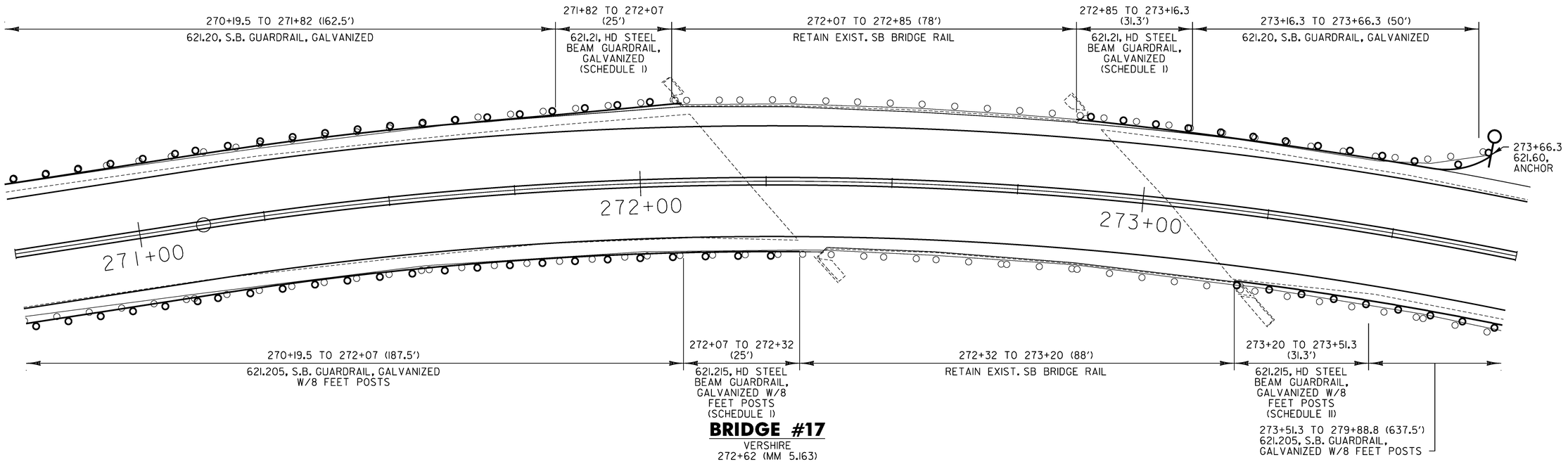
BRIDGE RAILING DETAIL SHEET 1

PROJECT NAME: VERSHIRE-THETFORD

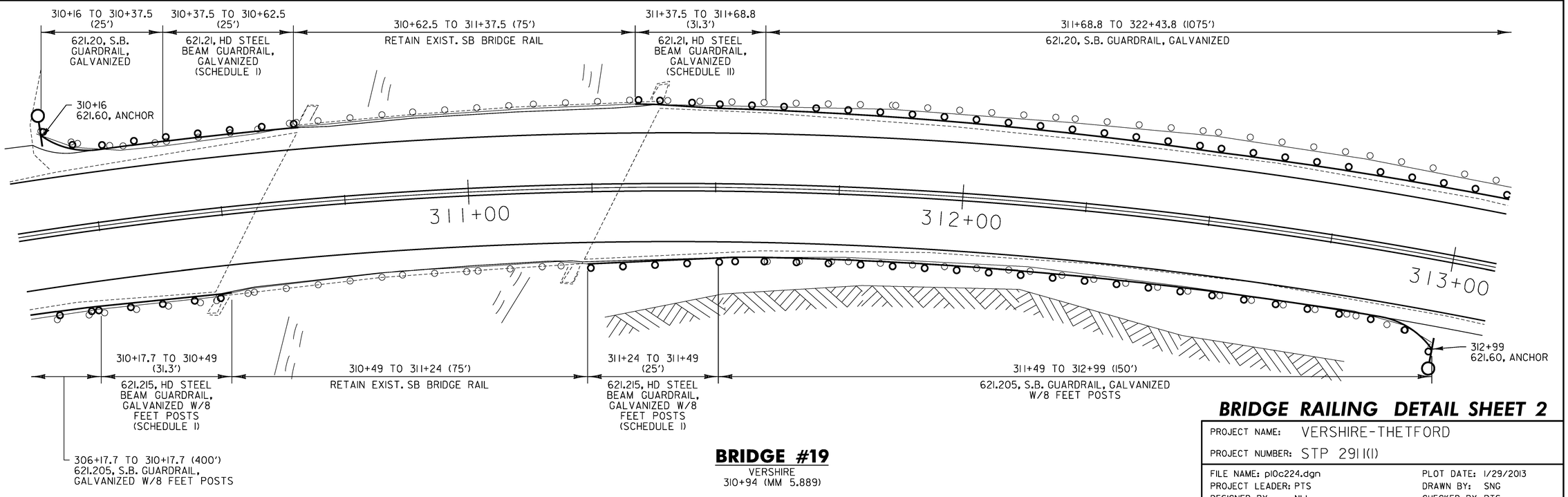
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_19

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 19 OF 232



BRIDGE #17
VERSHIRE
272+62 (MM 5.163)



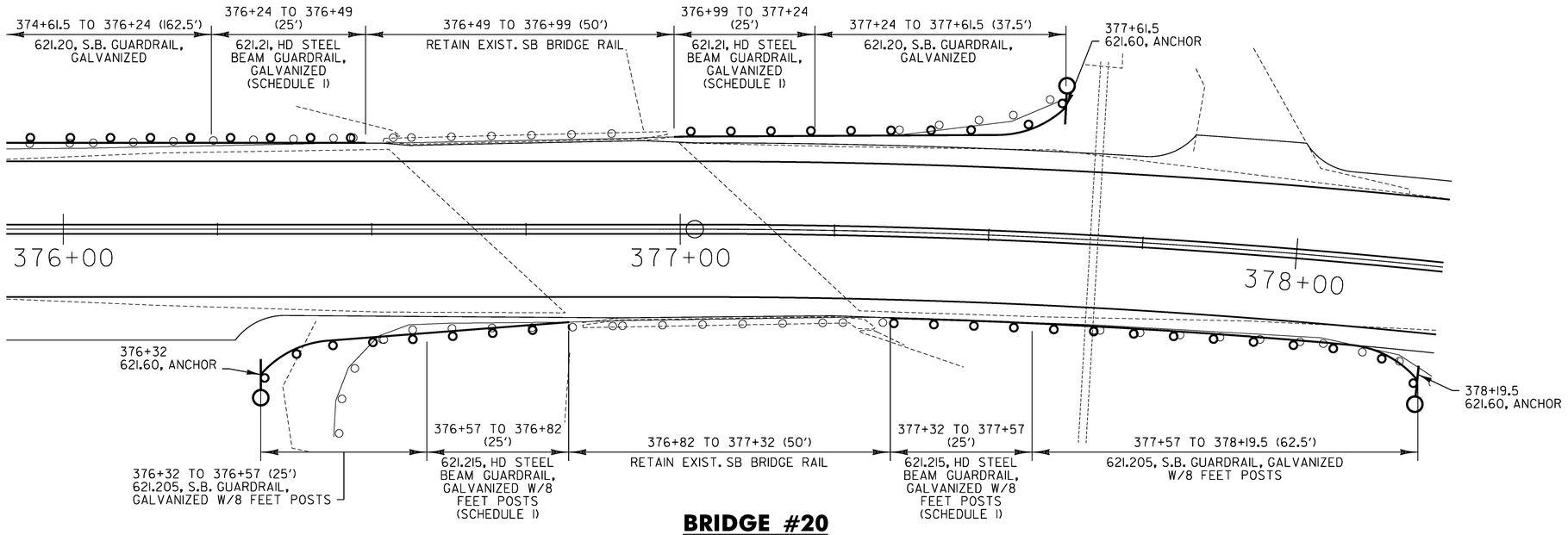
BRIDGE #19
VERSHIRE
310+94 (MM 5.889)

NOT TO SCALE

BRIDGE RAILING DETAIL SHEET 2

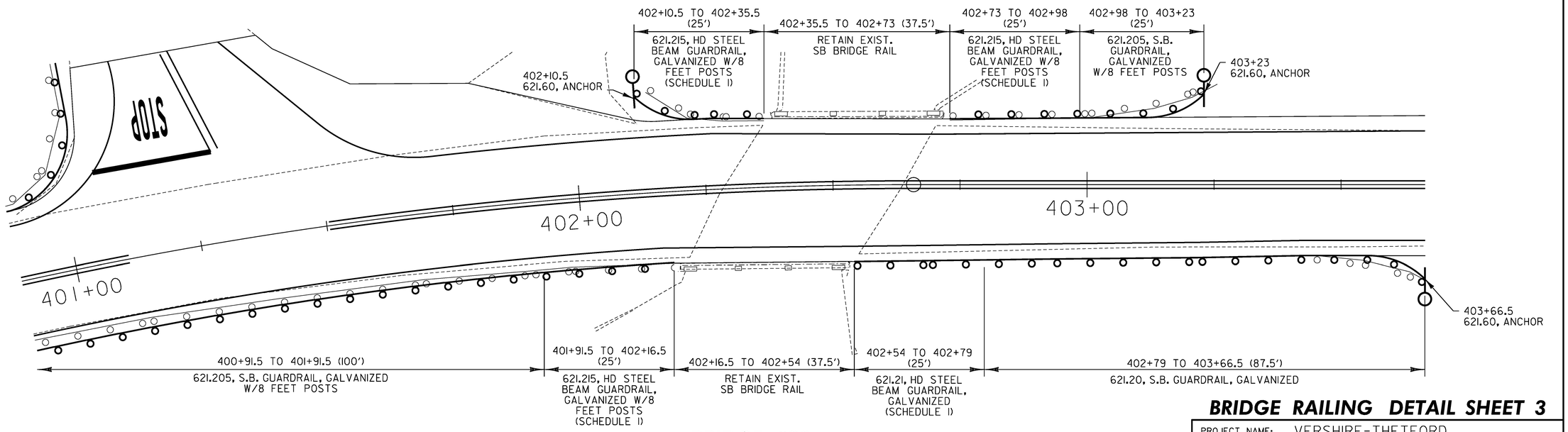
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_20
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 20 OF 232



BRIDGE #20

VERSHIRE
376+91 (MM 7.138)



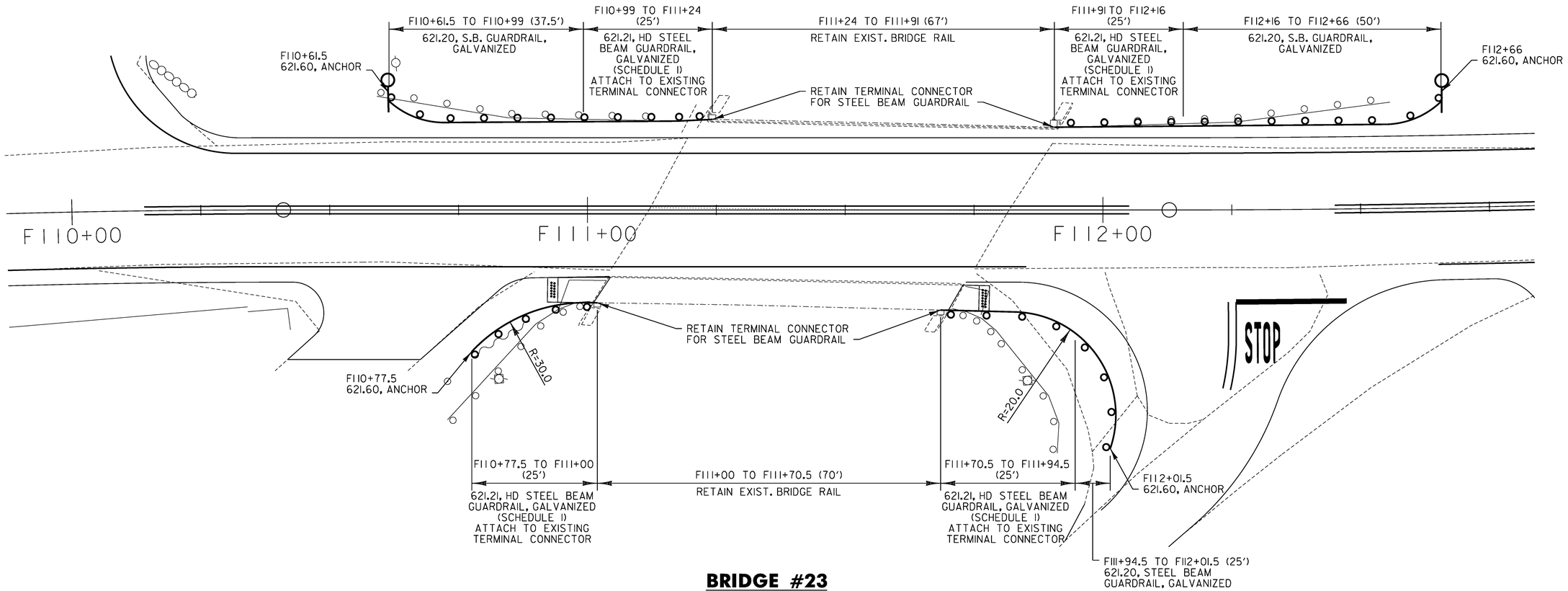
BRIDGE #22

VERSHIRE
402+46 (MM 7.622)

NOT TO SCALE

BRIDGE RAILING DETAIL SHEET 3

PROJECT NAME:	VERSHIRE-THETFORD
PROJECT NUMBER:	STP 2911(I)
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_21	SHEET 21 OF 232



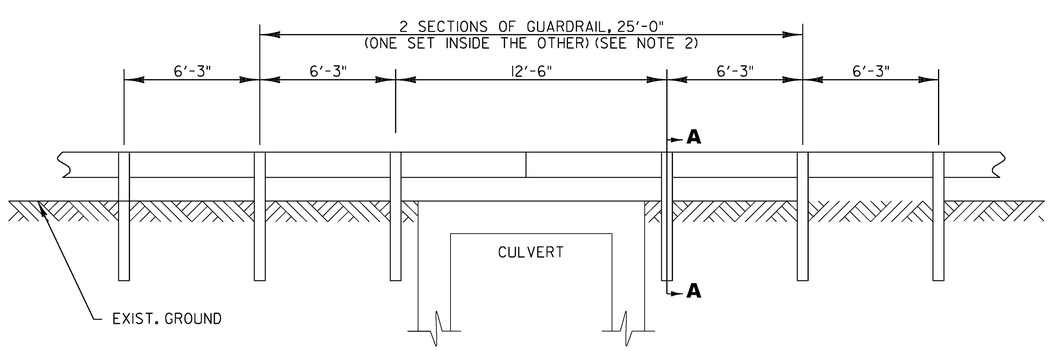
BRIDGE #23

WEST FAIRLEE
F111+47 (MM 2.11)

NOT TO SCALE

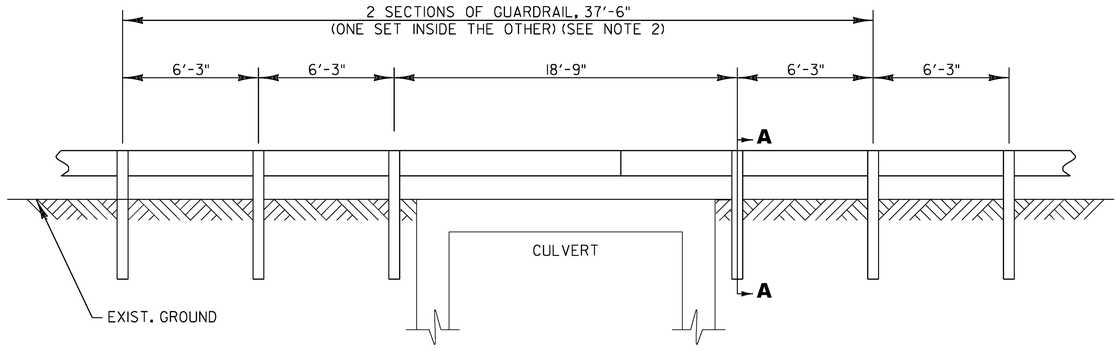
BRIDGE RAILING DETAIL SHEET 4

PROJECT NAME:	VERSHIRE-THETFORD
PROJECT NUMBER:	STP 2911(1)
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_22	SHEET 22 OF 232



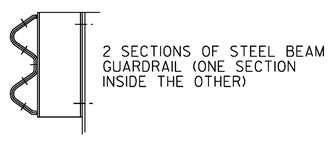
DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS

BRIDGE #16 260+91
CULVERT 360+25

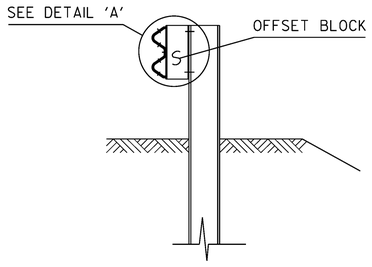


DETAIL OF STEEL BEAM GUARDRAIL AT LARGE CULVERTS

BRIDGE #21 400+75



DETAIL 'A'



SECTION A-A

STEEL BEAM GUARDRAIL AT CULVERTS NOTES

1. SEE VAOT STANDARDS G-1 & G-1d FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.206, STEEL BEAM GUARDRAIL, GALVANIZED/NESTED OR ITEM 621.207, STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS AS SHOWN IN THE PLANS.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SHEET OR AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

BRIDGE RAILING DETAIL SHEET 5

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_23	SHEET 23 OF 232

Project No: **23034.1000.32000**
Client: **Vermont Agency of Transportation**
Contractor: **Mike's Boring & Coring**
Driller: **D. Johnson**
Inspector: **K. Owens**

STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-101	7/12/2011	MM 3.56	7.4	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 5.0	Auger	f.m.c. SAND, S. Silt, tr. f. gravel, brn, moist	11.9	A-2-4	SM	6.3	70.5	23.2		
						Auger grinding 1.5' - 2.5'								
						End of boring @ 5.0'								
B-102	7/12/2011	MM 3.76	5.0	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4	Grab	Subbase - f.c. GRAVEL, S. f.m.c. Sand, t. silt, blk, moist	3.4	A-1-a	GP	68.5	28.6	2.8		
				0.4 - 5.0	Auger	SILT, S. f.m.c. Sand, lit. f.c. gravel, d. brn, moist	18.1	A-2-4	SM	14.2	66.8	19.0		
						Auger grinding 2.0' - 3.5'								
						End of boring @ 5.0'								
B-103	7/12/2011	MM 3.96	7.4	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, d. brn, moist	18.0	A-2-4	SM	12.5	64.8	22.7		
						Auger grinding 2.5'-3.5'								
						End of boring @ 5.0'								
B-104	7/12/2011	MM 4.16	5.3	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						End of boring @ 5.0								
B-105	7/12/2011	MM 4.36	6.9	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 4.5	Auger	f.m.c. SAND, S. Silt, lit. f. gravel, brn, moist		A-2-4	SM					
				4.5 - 5.0	Auger	turns gray @ 4.5'								
						End of boring @ 5.0'								
B-106	7/12/2011	MM 4.56	4.6	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND and SILT, tr. f. gravel, brn, moist		A-4	SM					
						Auger grinding 4.0' - 5.0'								
						End of boring @ 5.0'								

Project No: **23034.1000.32000**
Client: **Vermont Agency of Transportation**
Contractor: **Mike's Boring & Coring**
Driller: **D. Johnson**
Inspector: **K. Owens**

STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-107	7/12/2011	MM 4.76	5.5	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f. gravel, brn, moist	8.0	A-2-4	SM	15.8	63.7	20.5		
						Auger grinding 1.0' - 3.0'								
						End of boring @ 5.0'								
B-108	7/12/2011	MM 4.96	5.7	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.5		Subbase								
				0.5 - 2.2		f.m.c. SAND, S. Silt, lit. f. gravel, l. brn, moist		A-2-4	SM					
				2.2 - 5.0	Auger	turns gray @ 2.2'								
						End of boring @ 5.0								
B-109	7/12/2011	MM 5.16	6.5	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, lit. f. gravel, lit. silt, d. brn, moist	5.9	A-2-4	SM	19.2	61.3	19.5		
						End of boring @ 5.0'								
B-110	7/12/2011	MM 5.36	5.6	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3	Grab	Subbase - f.c. GRAVEL, S. f.m.c. Sand, tr. silt, blk, moist	2.1	A-1-a	GP	77.0	21.0	2.1		
				0.3 - 5.0	Auger	f.m.c. SAND, S. f.c. GRAVEL, lit. silt, l. brn, moist	6.6	A-2-4	SM	25.6	56.8	17.6		
						End of boring @ 5.0'								
B-111	7/12/2011	MM 5.56	7.6	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						End of boring @ 5.0'								
B-112	7/12/2011	MM 5.76	5.0	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, lit. silt, lit. f. gravel, brn, moist		A-1-b	SM					
						End of boring @ 5.0'								

Project No: **23034.1000.32000**
Client: **Vermont Agency of Transportation**
Contractor: **Mike's Boring & Coring**
Driller: **D. Johnson**
Inspector: **K. Owens**

STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-113	7/12/2011	MM 5.96	7.5	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 2.3	Auger	f.m.c. SAND, S. f. Gravel, lit. silt, brn, moist	3.9	A-1-b	SM	33.8	48.8	17.4		
						Auger grinding @ 2.0'								
						Auger refusal @ 2.3'								
B-114	7/12/2011	MM 6.16	7.3	0.0 - 0.4		Asphalt Pavement								
				0.4 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist	8.7	A-2-4	SM	21.7	57.2	21.1		
						End of boring @ 5.0'								
B-115	7/12/2011	MM 6.36	7.8	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 2.5	Auger	f.m.c. SAND, S. f.c. Gravel, lit. silt, l. brn, moist	8.6	A-2-4	SM	27.9	52.6	19.5		
				2.5 - 5.0		becomes wet @ 2.5'								
						End of boring @ 5.0'								
B-116	7/12/2011	MM 6.56	5.0	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.6		Subbase								
				0.6 - 2.5	Auger	f.m.c. SAND, lit. silt, lit. f.c. gravel, gry, moist		A-2-4	SM					
						Auger grinding throughout drilling								
						Auger refusal @ 2.5'								
B-117	7/11/2011	MM 6.76	6.9	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.4	Grab	Subbase - f.c. GRAVEL, S. f.m.c. Sand, tr. Silt, blk, moist	2.1	A-1-a	GP	77.0	21.0	2.1		
				0.4 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, d. brn, moist		A-2-4	SM					
						Auger grinding throughout drilling								
						End of boring @ 5.0'								
B-118	7/11/2011	MM 6.96	6.3	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f. gravel, brn, moist		A-2-4	SM					
						End of boring @ 5.0'								

Project No: **23034.1000.32000**
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Inspector: **K. Owens**

STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-119	7/11/2011	MM 7.16	6.8	0.0 - 0.4		Asphalt Pavement								
				0.4 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						Auger grinding throughout boring								
						Auger refusal @ 4.5'								
B-120	7/11/2011	MM 7.36	5.3	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3		Subbase								
				0.3 - 1.5	Auger	f.c. GRAVEL, S. f.m.c. Sand, tr. silt, brn, moist	2.8	A-1-a	GP	55.7	35.6	8.7		
						Auger refusal @ 1.5'								
B-121	7/11/2011	MM 7.56	4.8	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, lit. silt, tr. f.c. gravel, brn, moist		A-1-b	SM					
						End of boring @ 5.0'								
B-122	7/11/2011	MM 7.76	4.7	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.4	Grab	Subbase - f.c. GRAVEL, lit. sand, tr. silt, blk, moist	1.8	A-1-a	GP	79.6	18.1	2.3		
				0.4 - 2.9	Auger	f.m.c. SAND, S. f.c. Gravel, lit. silt, brn, moist	7.5	A-1-b	SM	33.5	47.4	19.2		
						Auger grinding throughout boring								
						Auger refusal @ 2.9'								
B-123	7/11/2011	MM 7.96	8.4	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.5		Subbase								
				0.5 - 2.8	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist		A-2-4	SM					
						Very difficult drilling 1.0' - 2.0'								
						Auger refusal @ 2.8', believed to be boulder								
B-124	7/11/2011	MM 8.16	5.5	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5	Grab	Subbase - f.c. GRAVEL, lit. sand, tr. silt, blk, moist	1.8	A-1-a	GP	79.6	18.1	2.3		
				0.5 - 5.0	Auger	f.m.c. SAND, S. f.c. Gravel, lit. silt, brn, moist	9.3	A-2-4	SM	27.5	55.1	17.4		
						Organics noted at 4.5'								
						Auger grinding 0 - 2', very difficult drilling 2' - 2.5'								
						End of boring @ 5.0'								

NOTE
SEE ROADWAY LAYOUT SHEETS FOR BORE HOLE LOCATIONS.

BORING LOGS SHEET 1

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: CHA
IPARM FILE NAME: 10C224_24

PLOT DATE: 1/29/2013
DRAWN BY: CHA
CHECKED BY: CHA
SHEET 24 OF 232

Project No: **23034.1000.32000**
Client: **Vermont Agency of Transportation**
Contractor: **Mike's Boring & Coring**
Driller: **D. Johnson**
Inspector: **K. Owens**

STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-125	7/11/2011	MM 8.36	6.7	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.6		Subbase								
				0.6 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, l. brn, moist	10.1	A-2-4	SM	13.9	54.1	32.0		
						Auger grinding to 3.0'								
						Difficult drilling 4.0'-5.0'								
						End of boring @ 5.0'								
B-126	7/11/2011	MM 8.56	7.7	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, lit. silt, lit. f.c. gravel, gry, moist/wet		A-1-b	SM					
						Auger grinding 3.5' - 4.5'								
						End of boring @ 5.0'								
B-127	7/11/2011	MM 8.76	7.8	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.6		Subbase								
				0.6 - 5.0	Auger	f.c. GRAVEL, S. f.m.c. Sand, lit. silt, brn, moist	8.5	A-1-b	GP	51.6	32.6	15.8		
						Auger grinding entire boring								
						End of boring @ 5.0'								
B-128	7/11/2011	MM 8.96	6.0	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 5.0	Auger	f.m.c. SAND, S. f. Gravel, lit. silt, brn, moist	6.8	A-1-b	SM	30.6	54.6	14.8		
						Auger grinding 1.5' - 2.5'								
						Auger refusal @ 5.0'								
B-129	7/11/2011	MM 9.16	7.9	0.0 - 0.4		Asphalt Pavement								
				0.4 - 0.5		Subbase								
				0.5 - 3.1	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
				3.1 - 5.0	Auger	SILT, lit. f.m.c. sand, l. brn, moist		A-4	ML					
						End of boring @ 5.0'								

Project No: **23034.1000.32000**
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Inspector: **K. Owens**

STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-130	7/11/2011	MM 9.36	4.7	0.0 - 0.5		Asphalt Pavement								
				0.5 - 0.7		Subbase								
				0.7 - 5.0	Auger	f.m.c. SAND, lit. silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						Auger grinding 3.5' - 5.0'								
						End of boring @ 5.0'								
B-131	7/11/2011	MM 9.56	5.9	0.0 - 0.5		Asphalt Pavement								
				0.5 - 0.8		Subbase								
				0.8 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						Auger grinding @ 3.5' - 5.0'								
						End of boring @ 5.0'								
B-132	7/11/2011	MM 9.76	5.3	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 4.5	Auger	f.m.c. SAND, S. f.c. Gravel, lit. silt, brn, moist	5.2	A-1-b	SM	30.2	55.2	14.5		
						Difficult drilling 2.0' - 3.0', auger grinding 3.5' - 4.0'								
						Auger refusal @ 4.5'								
B-133	7/11/2011	MM 9.96	7.7	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.6		Subbase								
				0.6 - 5.0	Auger	f.m.c. SAND, S. f. Gravel, lit. silt, brn, moist	5.4	A-1-b	SM	25.9	63.3	10.8		
						Cobbles visible in boring sidewall								
						Difficult drilling 2.5' - 3.5'								
						End of boring @ 5.0'								
B-134	7/11/2011	MM 10.16	7.0	0.0 - 0.6		Asphalt Pavement								
				0.6 - 0.8		Subbase								
				0.8 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, d. brn, moist	23.6	A-2-4	SM	11.9	59.1	28.9		
						Auger grinding throughout entire boring								
						End of boring @ 5.0'								

Project No: **23034.1000.32000**
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STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-135	7/11/2011	MM 10.36	5.0	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 3.5	Auger	f.m.c. SAND, lit. silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						Auger grinding to 3.5'								
						Auger refusal @ 3.5'								
B-136	7/11/2011	MM 0.01	5.4	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, tr. clay, brn, moist	19.0	A-2-4	SM	10.2	57.6	32.2		
						Cobbles visible in boring sidewalls								
						Auger grinding 4.0' - 5.0'								
						End of boring @ 5.0'								
B-137	7/11/2011	MM 0.21	8.0	0.0 - 0.5		Asphalt Pavement								
				0.5 - 0.7		Subbase								
				0.7 - 4.0	Auger	f.m.c. SAND, S. Silt, tr. f.c. gravel, l. brn, moist		A-2-4	SM					
						Auger grinding @ 3.0'								
						Auger refusal @ 4.0'								
B-138	7/11/2011	MM 0.41	6.0	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.6		Subbase								
				0.6 - 3.0	Auger	f.m.c. SAND, S. Silt, tr. f.c. gravel, l. brn, moist		A-2-4	SM					
				3.0 - 3.5		becomes gray @ 3.0'								
						Auger grinding throughout entire boring								
						Auger refusal @ 3.5'								
B-139	7/11/2011	MM 0.61	4.6	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.5		Subbase - f.m.c. SAND, lit. silt, lit. f.c. gravel, blk, moist		A-2-4	SM					
				0.5 - 2.5	Auger	f.m.c. SAND, lit. silt, tr. f.c. gravel, brn, moist		A-2-4	SM					
				2.5 - 5.0		becomes wet @ 2.5'								
						Auger grinding 2.5' - 3.5'								
						End of boring @ 5.0'								

Project No: **23034.1000.32000**
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STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-140	7/11/2011	MM 0.81	9.4	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.4		Subbase - f.m.c. SAND, lit. f.c. gravel, blk, moist		A-1-a	SP					
				0.4 - 5.0	Auger	f.m.c. SAND, lit. f.c. gravel, t. silt, l. brn, moist	10.6	A-2-4	SM	16.7	63.5	19.8		
						End of boring @ 5.0'								

NOTE
SEE ROADWAY LAYOUT SHEETS FOR BORE HOLE LOCATIONS.

BORING LOGS SHEET 2

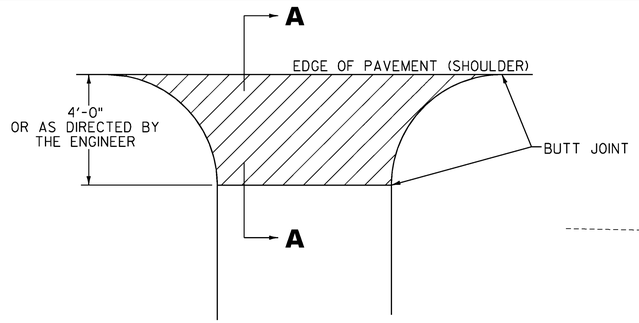
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: CHA
IPARM FILE NAME: I0C224_25

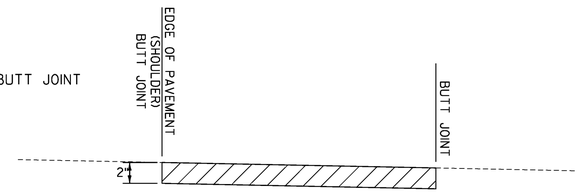
PLOT DATE: 1/29/2013
DRAWN BY: CHA
CHECKED BY: CHA
SHEET 25 OF 232

LOCATION OF DRIVES

STATION	POSITION	QUANTITY (SY)
VERSHIRE		
186+10	LT	54
186+98	LT	11
187+28	RT	11
188+77	LT	8
188+91	RT	8
189+60	LT	8
190+54	RT	7
191+75	LT	11
192+18	RT	11
196+17	LT	11
200+88	RT	11
204+09	LT	10
205+90	RT	26
208+43	RT	4
208+46	LT	11
209+65	RT	8
209+69	LT	8
210+72	LT	11
211+63	RT	8
212+41	LT	11
215+00	RT	11
216+49	RT	51
218+24	RT	11
221+15	LT	11
223+82	RT	10
229+66	RT	9
234+45	LT	11
235+18	RT	11
237+25	RT	6
246+14	RT	11
248+67	RT	8
251+59	LT	11
254+18	RT	3
254+97	RT	6
255+00	LT	11
256+93	LT	11
260+28	RT	8
261+66	RT	11
262+97	LT	11
266+71	RT	3
268+11	LT	11
269+49	LT	11
270+05	RT	9
277+46	LT	20
279+05	LT	8
282+07	LT	11
287+39	LT	11
287+54	RT	11
289+61	LT	7
291+45	RT	5
291+56	LT	11
292+29	LT	8
293+30	LT	25
300+57	LT	11
310+05	LT	9
317+77	RT	9
323+18	LT	7
326+08	RT	11
329+38	LT	11
335+83	LT	11
342+51	RT	11
343+66	LT	7
346+16	RT	7
356+92	RT	9
361+17	RT	9
365+64	RT	8
365+95	LT	11
370+82	RT	42
373+44	LT	11
373+97	LT	6
375+62	RT	58
377+91	LT	9
378+60	RT	11
380+32	LT	11
383+54	RT	11
384+38	LT	9
389+23	LT	11
391+90	RT	19
392+83	RT	19
392+97	LT	11
394+25	RT	7
396+94	LT	10
399+60	LT	11
401+95	LT	11
403+90	RT	11
405+62	LT	3
405+65	RT	12
SUBTOTAL VERSHIRE		**1045**
WEST FAIRLEE		
F5+49	RT	7
F6+99	RT	4
F9+23	RT	7
F9+28	LT	10
F11+63	LT	11
F17+54	LT	4
F18+05	LT	2
F18+22	RT	4
F19+47	RT	9
F20+25	LT	11
F21+43	RT	7
F24+05	RT	9
F34+49	LT	11
F36+64	LT	11
F37+47	LT	11
F38+49	RT	7
F40+65	LT	20
F46+23	RT	23
F46+29	LT	11
F48+38	LT	10
F52+25	RT	9
F53+95	LT	10
F55+45	LT	11
F58+87	LT	11
F60+28	RT	10
F61+45	LT	10
F63+17	RT	9
F66+14	LT	4
F67+59	RT	11
F68+14	LT	9
F69+00	RT	15
F69+17	LT	9
F71+14	LT	11
F71+88	LT	11
F73+85	RT	8
F76+29	RT	18
F77+13	LT	11
F78+64	LT	4
F78+95	RT	5
F79+54	RT	4
F83+09	RT	11
F84+05	RT	11
F85+28	RT	26
F86+90	RT	10
F88+39	LT	11
F89+06	RT	6
F91+51	LT	39
F91+66	RT	8
F92+35	LT	3
F92+70	RT	4
F93+82	LT	11
F94+58	RT	9
F96+20	LT	10
F97+44	RT	11
F97+83	LT	11
F98+62	LT	11
F98+63	RT	22
F100+02	RT	9
F101+30	LT	19
F101+77	RT	11
F102+19	LT	11
F102+72	RT	38
F104+16	LT	6
F105+07	LT	8
F105+25	RT	114
F107+34	LT	8
F107+90	LT	7
F108+57	RT	7
F109+23	RT	19
F110+55	RT	44
F112+89	RT	6
F114+05	RT	11
F114+88	RT	9
F115+61	RT	11
F116+86	LT	7
F117+59	RT	11
F118+09	LT	3
F118+38	RT	7
F119+30	LT	7
F119+43	RT	10
F120+23	LT	5
F122+02	LT	9
F122+38	LT	3
F124+57	LT	8
F137+16	RT	11
F139+39	LT	11
F140+58	RT	11
F147+19	LT	11
F148+60	RT	4
SUBTOTAL WEST FAIRLEE		**1049**
THETFORD		
T1+30	RT	11
T9+11	RT	6
T13+66	LT	5
T15+81	RT	11
T17+82	LT	11
T17+95	RT	11
T19+02	RT	11
T24+33	RT	11
T25+81	RT	11
T27+01	LT	9
T27+45	LT	9
T30+34	LT	11
T31+75	LT	11
T33+36	LT	11
T34+41	LT	9
T35+01	LT	8
T36+00	LT	7
T40+25	LT	8
T42+24	LT	11
T42+48	RT	8
SUBTOTAL THETFORD		**190**
PULLOFFS		
VERSHIRE		
242+35	LT	115
344+39	RT	37
WEST FAIRLEE		
F44+10	LT	34
F77+12	RT	26
F123+42	RT	230
SUBTOTAL PULLOFFS		**442**
MAILBOX PULLOFFS		
WEST FAIRLEE		
F107+63	LT	13
SUBTOTAL MAILBOXES		**13**
PROJECT SUBTOTAL		**2739**
ROUNDING		**31**
PROJECT TOTAL		**2770**

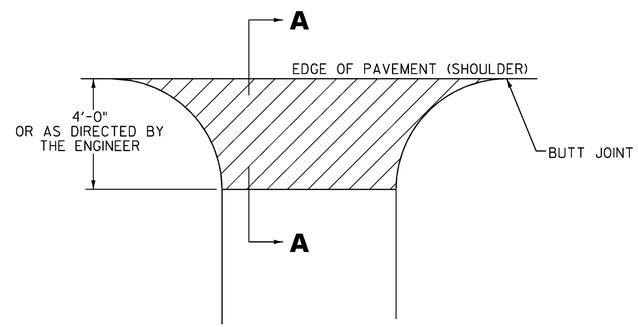


PLAN

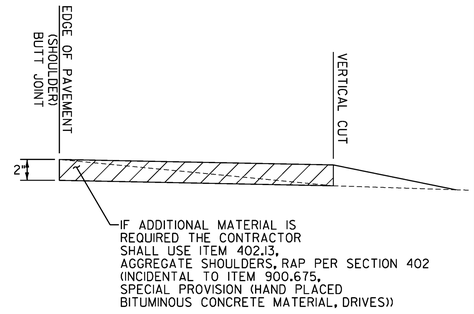


SECTION A – A

HANDWORK DETAILS FOR PAVED DRIVES

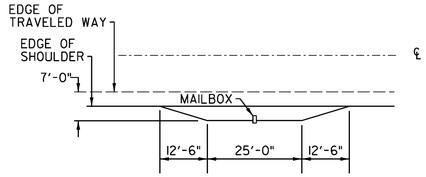


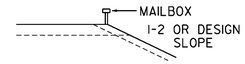
PLAN



SECTION A – A

HANDWORK DETAILS FOR GRAVEL DRIVES





TURNOUT AT MAILBOX

TURNOUT AT MAILBOX NOT NECESSARY IF SHOULDER WIDTH IS 8'-0" OR GREATER

NOTES

1. PAVING LIFT NOT TO EXCEED 2" (50mm).

2. THE COST OF PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES AT LEAST 24 HOURS BEFORE PAVING, WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.675, SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

3. EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.675, SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

LEGEND

ITEM 900.675 - SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)

NOT TO SCALE

HANDWORK /MAILBOX PULLOFF DETAIL SHEET

PROJECT NAME: VERSHIRE-THETFORD

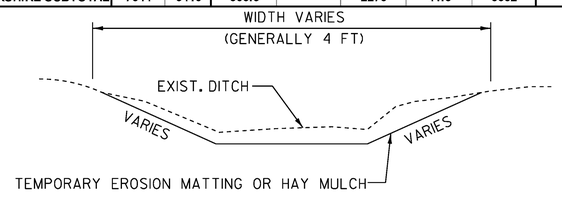
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_26

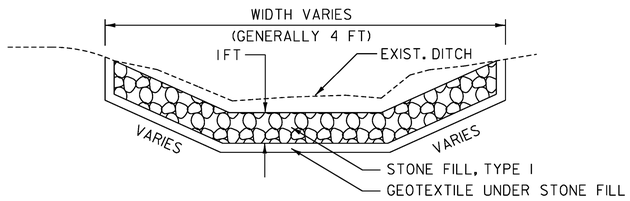
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 26 OF 232

SITE	LOCATION STA	LOCATION STA	POS	FEET OF DITCHING PERCENT GRADE 0-2.5	FEET OF DITCHING PERCENT GRADE 2.5-10	613.10 STONE FILL TYP. I CY	613.11 STONE FILL TYP. II CY	649.31 GEOT. UNDER STONE FILL SY	651.15 SEED LB	653.20 TEMP EROS. MATT. SY	REMARKS
	VERSHIRE										
1	192+70	195+35	LT		265	39.3		177			
2	200+10	200+64	LT	54					0.3	24	
3	200+64	204+50	LT		386	57.2		257			
4	204+50	208+10	LT	360					2.0	160	
5	211+75	212+75	RT		100	14.8		67			
6	212+95	213+85	RT	90					0.5	40	
7	232+30	233+90	RT	160					0.9	71	
8	233+90	234+95	RT		105	15.6		70			
9	235+35	237+25	RT	190					1.0	84	
10	237+25	239+25	RT		200	29.6		133			
11	239+25	242+90	RT	365					2.0	162	
12	250+80	255+00	RT	420					2.3	187	
13	255+00	259+25	RT		425	63.0		283			
14	274+55	277+20	LT	265					1.5	118	
15	279+85	282+50	RT		265	39.3		177			
16	287+85	288+80	RT	95					0.5	42	
17	298+30	305+50	LT	720					4.0	320	
18	305+50	310+69	LT		519	76.9		346			
19	311+50	312+60	RT		110	16.3		73			
20	316+80	318+20	RT		140	20.7		93			
21	318+20	327+25	RT	905					5.0	402	
22	332+30	343+20	RT	1090					6.0	484	
23	345+85	354+80	RT		895	132.6		597			
24	354+80	357+00	RT	220					1.2	98	
25	380+50	398+60	LT	1810					10.0	804	
26	396+00	399+75	RT	375					2.1	167	
27	403+90	408+15	RT	425					2.3	189	
	VERSHIRE SUBTOTAL			**7544**	**3410**	**505.3**		**2273**	**41.6**	**3352**	

SITE	LOCATION STA	LOCATION STA	POS	FEET OF DITCHING PERCENT GRADE 0-2.5	FEET OF DITCHING PERCENT GRADE 2.5-10	613.10 STONE FILL TYP. I CY	613.11 STONE FILL TYP. II CY	649.31 GEOT. UNDER STONE FILL SY	651.15 SEED LB	653.20 TEMP EROS. MATT. SY	REMARKS
	WEST FAIRLEE										
28	F5+28	F41+00	RT	3572					19.7	1588	
29	F41+00	F43+80	RT		280	41.5		187			
30	F43+80	F61+65	RT	1785					9.8	793	
31	F61+65	F76+00	RT		1435	212.6		957			
32	F76+00	F89+45	RT	1345					7.4	598	
33	F89+45	F91+00	RT		155	23.0		103			
34	F91+00	F101+50	RT	1050					5.8	467	
35	F113+50	F120+75	RT	725					4.0	322	
36	F116+15	F121+50	LT	535					2.9	238	
37	F121+44	F124+00	RT	256					1.4	114	
38	F124+00	F129+25	RT	0	525	77.8		350			
39	F129+25	F140+75	RT	1150					6.3	511	
40	F140+75	F143+75	RT		300	44.4		200			
41	F143+75	F148+94	RT	519					2.9	231	
	WEST FAIRLEE SUBTOTAL			**10937**	**2695**	**399.3**		**1797**	**60.2**	**4862**	
	THETFORD										
42	T0+00	T2+25	RT	225					1.2	100	
43	T2+25	T4+85	RT		260	38.5		173			
44	T4+85	T19+45	RT	1460					8.0	649	
45	T19+45	T24+00	RT		455	67.4		303			
46	T21+10	T23+50	LT		240	35.6		160			
47	T23+50	T26+50	LT	300					1.7	133	
48	T24+00	T26+25	RT	225					1.2	100	
49	T26+25	T28+00	RT		175	25.9		117			
50	T28+00	T31+35	RT	335					1.8	149	
51	T31+35	T34+50	RT		315	46.7		210			
52	T34+50	T42+24	RT	774					4.3	344	SEE ITEM DETAIL SHEET FOR ROUNDING AND PROJECT TOTAL
	THETFORD SUBTOTAL			**3319**	**1445**	**214.1**		**963**	**18.2**	**1475**	



DITCH DETAIL 0 TO 2.5 PERCENT
NOT TO SCALE



DITCH DETAIL > 2.5 PERCENT
NOT TO SCALE

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

SEEDING 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 THE 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.

DITCHING NOTES

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH.
GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE ENGINEER.
GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE ENGINEER.

PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS INDICATED ON THIS SHEET AND AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

NOT TO SCALE

DITCH CLEANING SHEET

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_27
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 27 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
185+08 TO 192+50 SOLID RT
185+08 TO 188+04 SOLID LT
188+04 TO 188+32 SOLID LT (TH 9)
188+53 TO 188+68 SOLID LT (TH 9)
188+68 TO 192+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
185+08 TO 188+19 SOLID LT & RT
188+39 TO 188+42 DOUBLE SOLID LT (TH 9)
188+59 TO 192+50 SOLID LT & RT

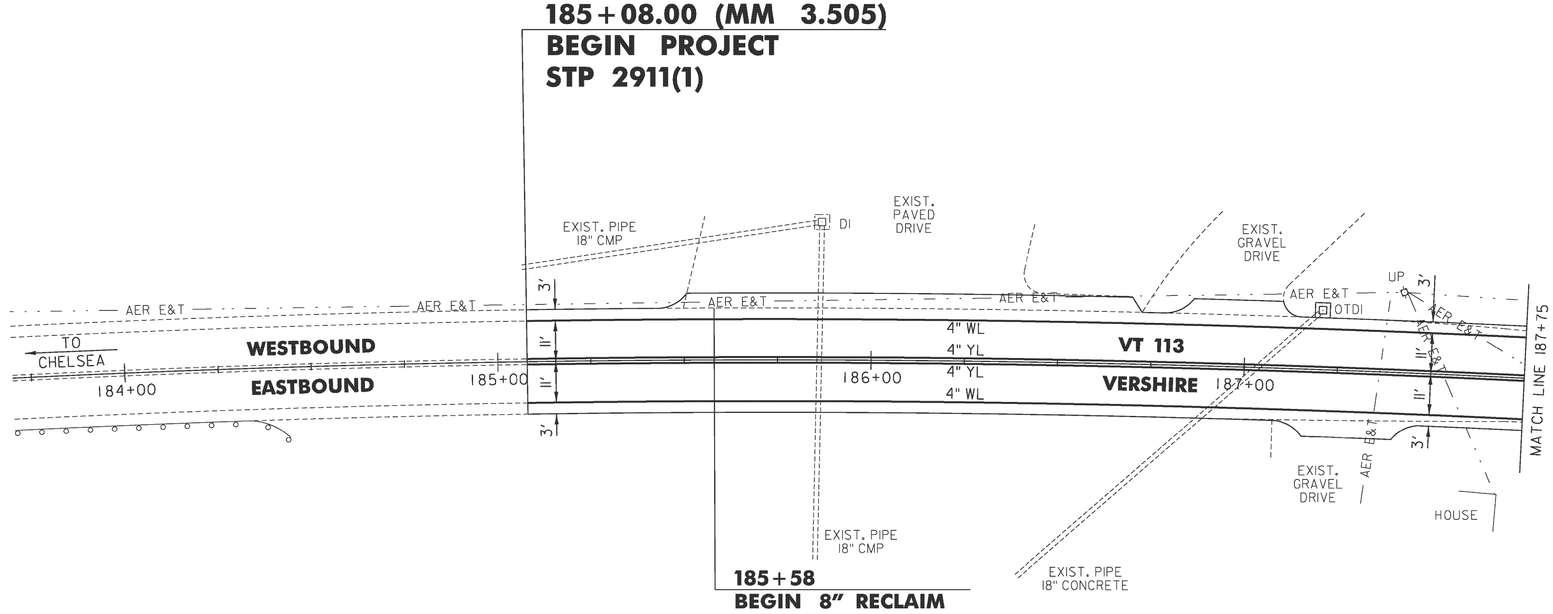
TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
188+23 TO 188+38 LT (TH 9)

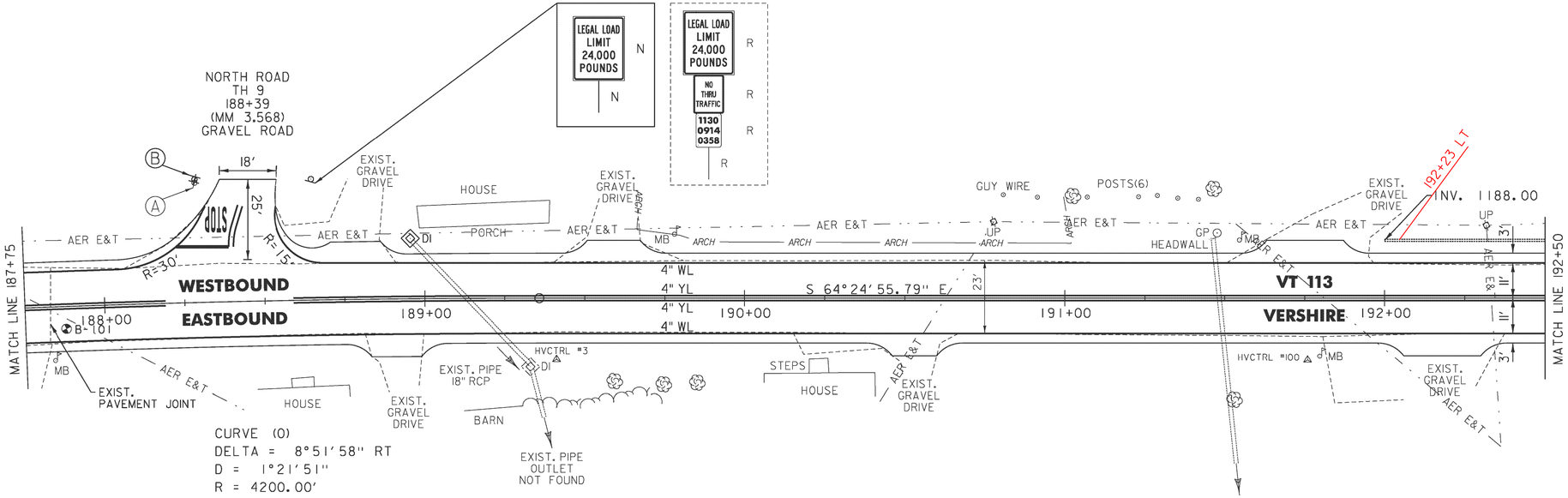
TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
188+35 LT - "STOP" (TH 9)

REHAB. DROP INLETS, CATCH BASINS,
OR MANHOLES, CLASS I
187+21 LT (OTDI)
188+96 LT

6 INCH UNDERDRAIN PIPE
192+00 TO 192+50 LT

REMOVING SIGNS
AS SHOWN - 5





NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

ROADWAY LAYOUT 1

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_28
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 28 OF 232

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
192+50 TO 204+50 SOLID LT
192+50 TO 204+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
192+50 TO 204+50 SOLID LT & RT

6 INCH UNDERDRAIN PIPE
~~192+50~~ TO ~~195+25~~ LT
192+23 195+75 LT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
192+80 TO 195+92.5 RT
202+46 TO 204+46 RT

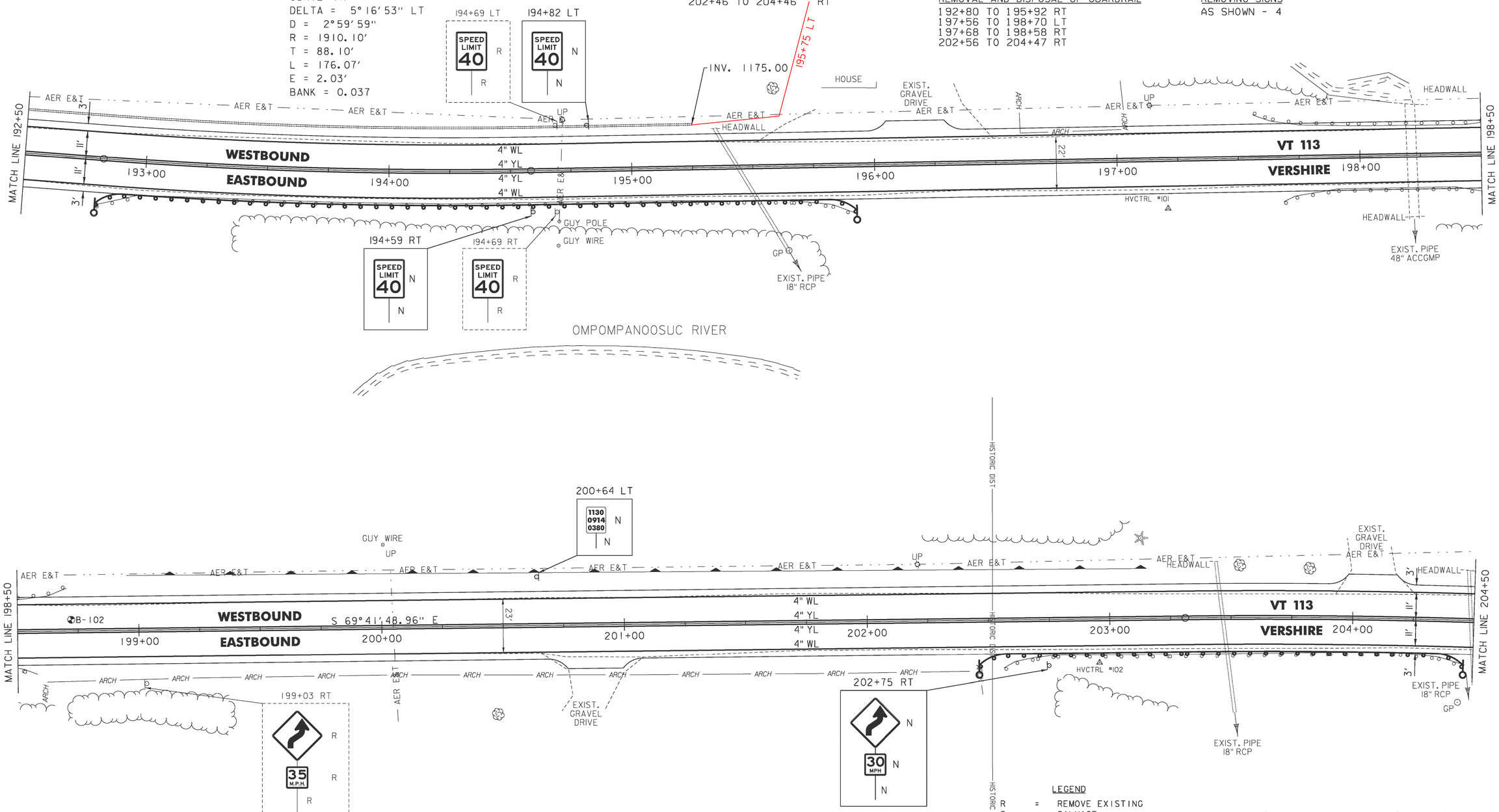
ANCHOR FOR STEEL BEAM RAIL
192+80 RT
195+92.5 RT
202+46 RT
204+46 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
192+80 TO 195+92 RT
197+56 TO 198+70 LT
197+68 TO 198+58 RT
202+56 TO 204+47 RT

DELINEATOR WITH STEEL POST
192+80 RT
195+92.5 RT
202+46 RT
204+46 RT

REMOVING SIGNS
AS SHOWN - 4

CURVE (1)
DELTA = 5°16'53" LT
D = 2°59'59"
R = 1910.10'
T = 88.10'
L = 176.07'
E = 2.03'
BANK = 0.037



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 2

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_29

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 29 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
204+50 TO 216+50 SOLID LT
204+50 TO 216+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
204+50 TO 216+50 SOLID LT & RT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
206+17 TO 208+29.5 RT
211+99 TO 212+49 RT
212+62.5 TO 212+75 LT
213+24 TO 213+74 RT
213+50 TO 213+87.5 LT

H.D. STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
212+49 TO 212+74 RT
212+75 TO 213+00 LT
212+99 TO 213+24 RT
213+25 TO 213+50 LT

ANCHOR FOR STEEL BEAM RAIL
206+17 RT
208+29.5 RT
211+99 RT
212+62.5 LT
213+74 RT
213+87.5 LT

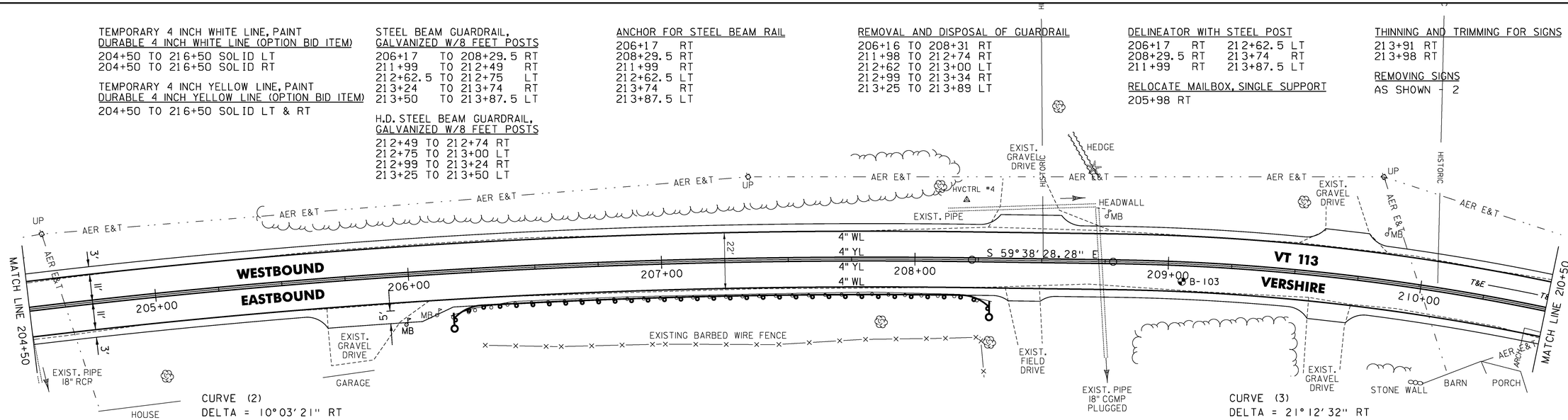
REMOVAL AND DISPOSAL OF GUARDRAIL
206+16 TO 208+31 RT
211+98 TO 212+74 RT
212+62 TO 213+00 LT
212+99 TO 213+34 RT
213+25 TO 213+89 LT

DELINEATOR WITH STEEL POST
206+17 RT 212+62.5 LT
208+29.5 RT 213+74 RT
211+99 RT 213+87.5 LT

RELOCATE MAILBOX, SINGLE SUPPORT
205+98 RT

THINNING AND TRIMMING FOR SIGNS
213+91 RT
213+98 RT

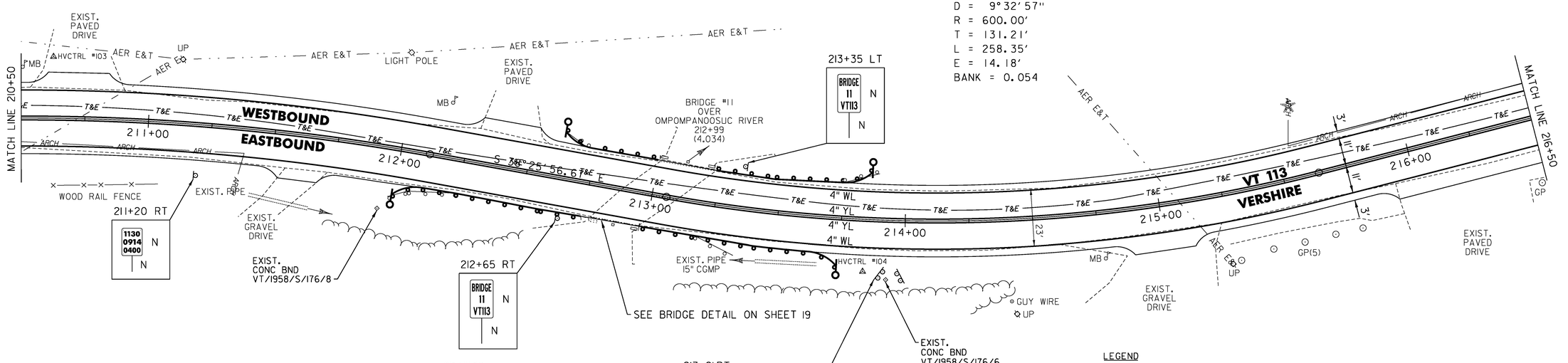
REMOVING SIGNS
AS SHOWN - 2



CURVE (2)
DELTA = 10°03'21" RT
D = 2°02'47"
R = 2800.00'
T = 246.34'
L = 491.42'
E = 10.82'
BANK = 0.027

CURVE (3)
DELTA = 21°12'32" RT
D = 6°21'58"
R = 900.00'
T = 168.50'
L = 333.15'
E = 15.64'
BANK = 0.062

CURVE (4)
DELTA = 24°40'15" LT
D = 9°32'57"
R = 600.00'
T = 131.21'
L = 258.35'
E = 14.18'
BANK = 0.054



213+91 RT
213+98 RT
R R R R R R

213+91 RT
213+98 RT
N N N N N N

NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 3

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_30
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 30 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
216+50 TO 228+50 SOLID LT
216+50 TO 228+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
216+50 TO 228+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
222+99 TO 228+50 LT

ANCHOR FOR STEEL BEAM RAIL
222+99 LT

DELINEATOR WITH STEEL POST
222+99 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
223+17 TO 228+50 LT
225+39 TO 227+56 RT

REMOVING SIGNS
AS SHOWN - 7

217+00 LT
N
30 MPH
N
N

218+26 LT
R
35 M.P.H.
R
R

221+76 LT
1130
0914
0420
N
N

219+33 RT
SPEED LIMIT 40
N
N

219+83 RT
R
35 M.P.H.
R
R

223+06 LT
SPEED LIMIT 40
N
N

223+06 LT
SPEED LIMIT 40
R
R

222+79 RT
SPEED LIMIT 40
1130
0914
0420
R
R

224+90 RT
N
30 MPH
N
N

MATCH LINE 216+50
MATCH LINE 222+50
MATCH LINE 222+50
MATCH LINE 228+50

WESTBOUND
EASTBOUND
VT 113
VERSHIRE

217+00
218+00
219+00
220+00
221+00
222+00
223+00
224+00
225+00
226+00
227+00
228+00

11'
3'
22'
23'

4" WL
4" YL
4" YL
4" WL

B-104
S 63°06'11.32" E
S 46°06'04.39" E

ARCH
T&E
AER E&T
UP
HISTORIC
HISTORIC
HISTORIC

GUY WIRE
GUY POLE
GUY WIRE (2)
HOUSE
SIDEWALK
EXIST. GRAVEL DRIVE
MB
WALL
HVCTRL #5
HVCTRL #6
HDPE
EXIST. PAVED DRIVE
US POST OFFICE
EXIST. GRAVEL DRIVE
EXIST. PIPE 24" RCP
HEADWALL
WOOD RAIL FENCE
OMPOMPANOOSUC RIVER

CURVE (5)
DELTA = 17°00'07" RT
D = 5°12'31"
R = 1100.00'
T = 164.41'
L = 326.41'
E = 12.22'
BANK = 0.055

NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 4

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_31

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 31 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
228+50 TO 234+50 SOLID LT
228+50 TO 231+23 SOLID RT
232+03 TO 234+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
228+50 TO 231+43 SOLID LT & RT
231+83 TO 234+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
228+50 TO 234+24 LT

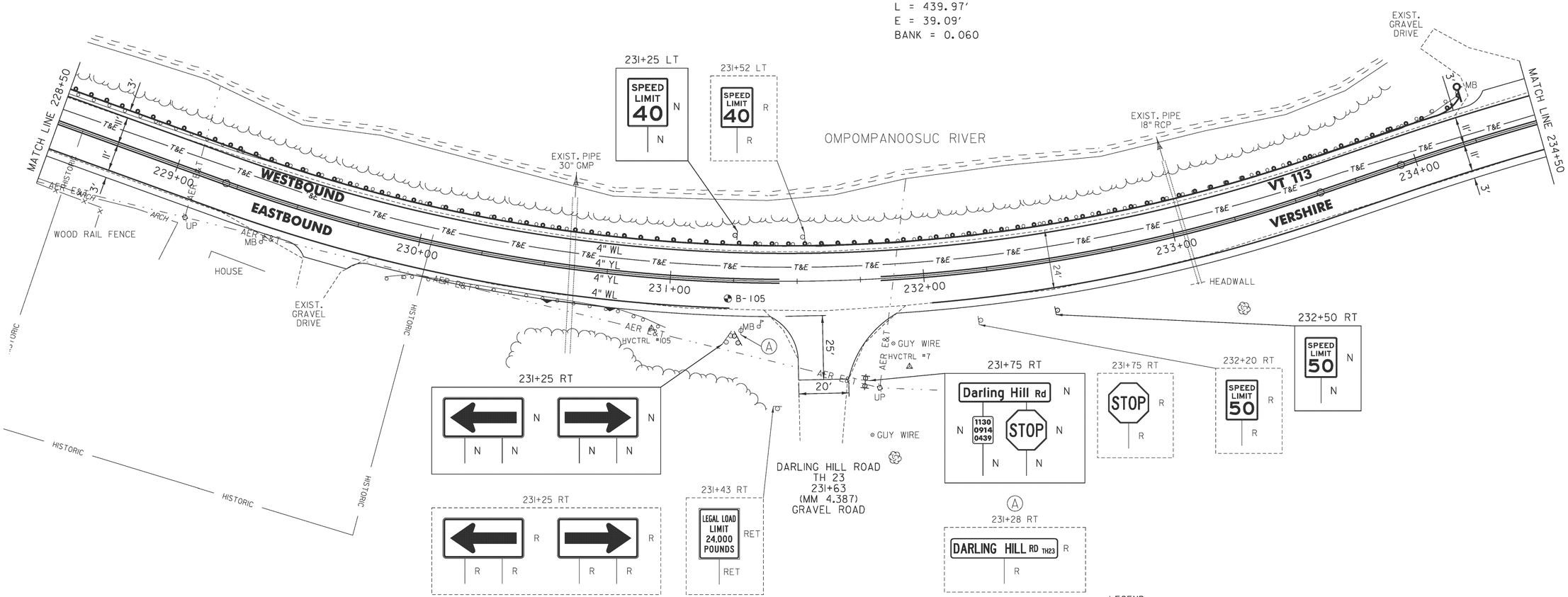
ANCHOR FOR STEEL BEAM RAIL
234+24 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
228+50 TO 234+24 LT
229+90 TO 230+99 RT

DELINEATOR WITH STEEL POST
234+24 LT

REMOVING SIGNS
AS SHOWN - 6

CURVE (6)
DELTA = 38°46'55" LT
D = 8°48'53"
R = 650.00'
T = 228.79'
L = 439.97'
E = 39.09'
BANK = 0.060



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 5

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_32
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 32 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
234+50 TO 246+50 SOLID LT
234+50 TO 246+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
234+50 TO 246+50 SOLID LT & RT

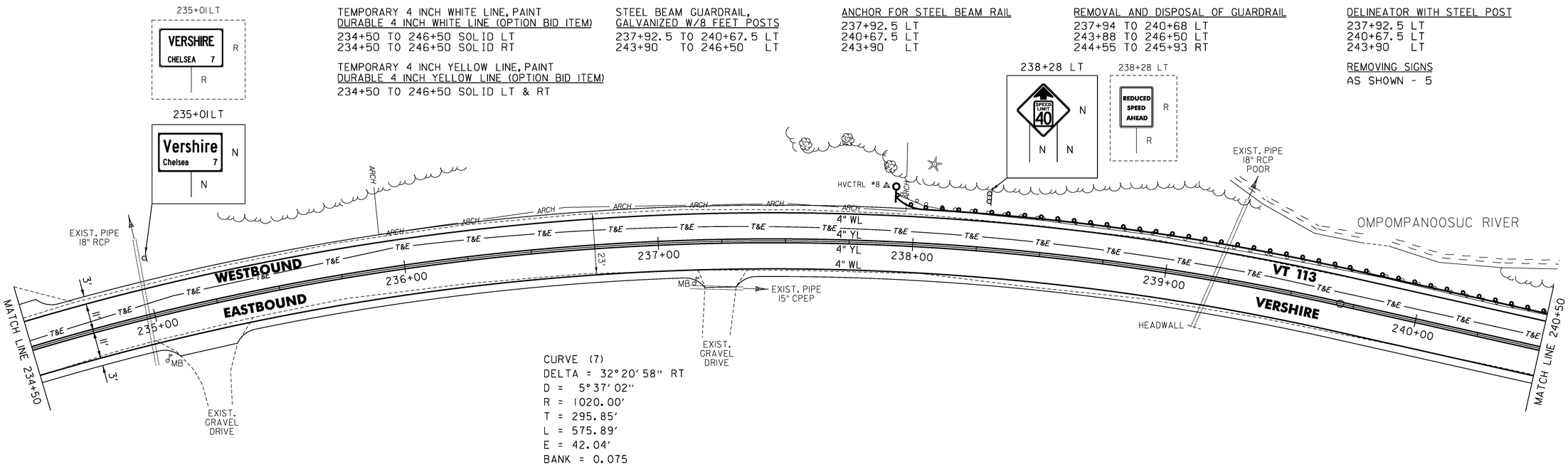
STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
237+92.5 TO 240+67.5 LT
243+90 TO 246+50 LT

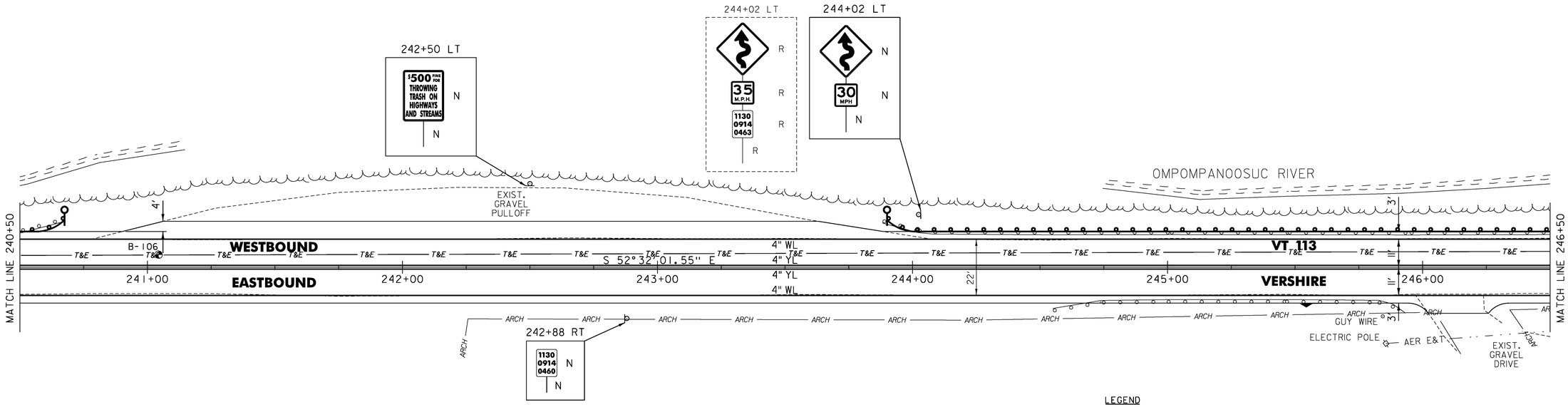
ANCHOR FOR STEEL BEAM RAIL
237+92.5 LT
240+67.5 LT
243+90 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
237+94 TO 240+68 LT
243+88 TO 246+50 LT
244+55 TO 245+93 RT

DELINEATOR WITH STEEL POST
237+92.5 LT
240+67.5 LT
243+90 LT

REMOVING SIGNS
AS SHOWN - 5





NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 6

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_33
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 33 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
246+50 TO 258+50 SOLID LT
246+50 TO 258+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
246+50 TO 258+50 SOLID LT & RT

CURVE (8)
DELTA = 8° 16' 17" LT
D = 2° 43' 42"
R = 2100.00'
T = 151.85'
L = 303.16'
E = 5.48'
BANK = 0.049

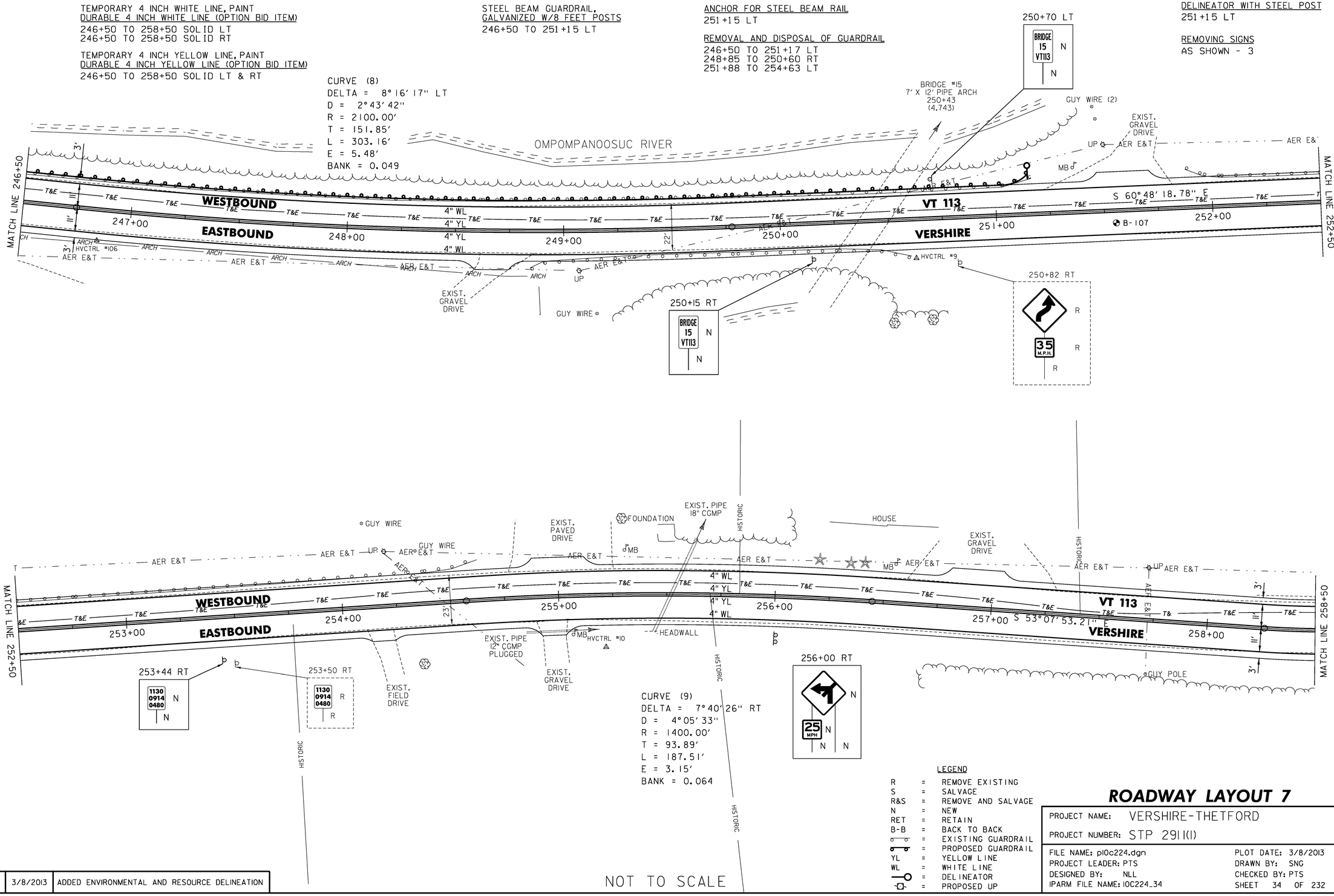
STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
246+50 TO 251+15 LT

ANCHOR FOR STEEL BEAM RAIL
251+15 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
246+50 TO 251+17 LT
248+85 TO 250+60 RT
251+88 TO 254+63 LT

DELINEATOR WITH STEEL POST
251+15 LT

REMOVING SIGNS
AS SHOWN - 3



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 7

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_34

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 34 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
258+50 TO 259+22 SOLID RT
258+50 TO 259+27 SOLID LT
259+22 TO 259+49 SOLID RT (TH 4)
259+69 TO 259+97 SOLID RT (TH 4)
259+97 TO 264+50 SOLID RT
260+07 TO 264+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
258+50 TO 259+47 SOLID LT & RT
259+60 DOUBLE SOLID RT (TH 4) (21' LONG)
259+87 TO 264+50 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
259+60 TO 259+78 RT (TH 4)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
259+66 RT - "STOP" (TH 4)

REMOVAL OF EXISTING FENCE
261+01 TO 261+12 RT

STEEL BEAM GUARDRAIL, GALVANIZED
260+49.5 TO 260+74.5 RT
260+99.5 TO 261+12 RT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
259+87 TO 260+74.5 LT
260+99.5 TO 261+24.5 LT

STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
260+74.5 TO 260+99.5 RT

STEEL BEAM GUARDRAIL,
GALVANIZED/NESTED W/8 FEET POSTS
260+74.5 TO 260+99.5 LT

ANCHOR FOR STEEL BEAM RAIL
260+49.5 RT
261+12 RT
261+24.5 LT

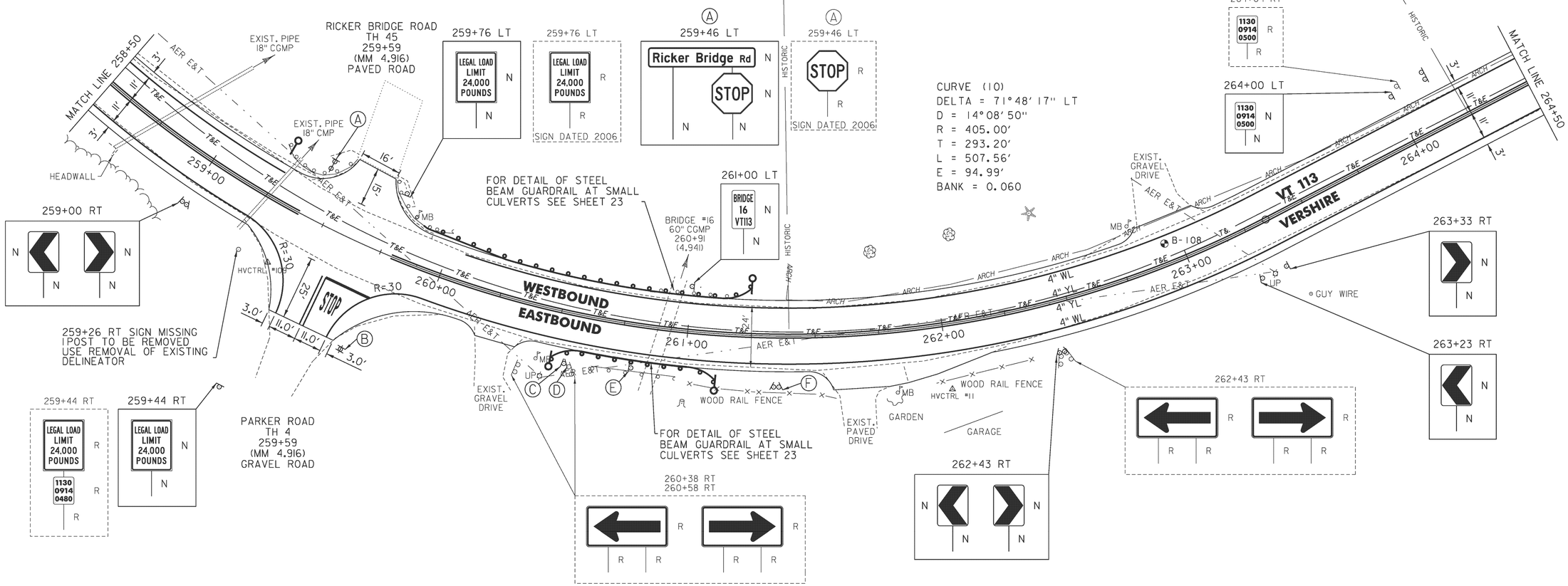
REMOVAL AND DISPOSAL OF GUARDRAIL
259+87 TO 259+99.5 LT
260+65 TO 260+97 RT
260+83 TO 261+15 LT

DELINEATOR WITH STEEL POST
259+25 LT
260+49.5 RT
261+12 RT
261+24.5 LT

REMOVAL OF EXISTING DELINEATOR
259+26 RT

REMOVING SIGNS
AS SHOWN - 10

CURVE (10)
DELTA = 71°48'17" LT
D = 14°08'50"
R = 405.00'
T = 293.20'
L = 507.56'
E = 94.99'
BANK = 0.060



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 8

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_35
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 35 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
264+50 TO 274+50 SOLID LT
264+50 TO 274+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
264+50 TO 274+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
270+19.5 TO 271+82 LT
273+16.3 TO 273+66.3 LT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
270+19.5 TO 272+07 RT
273+51.3 TO 274+50 RT

H.D. STEEL BEAM
GUARDRAIL, GALVANIZED
271+82 TO 272+07 LT
272+85 TO 273+16.3 LT

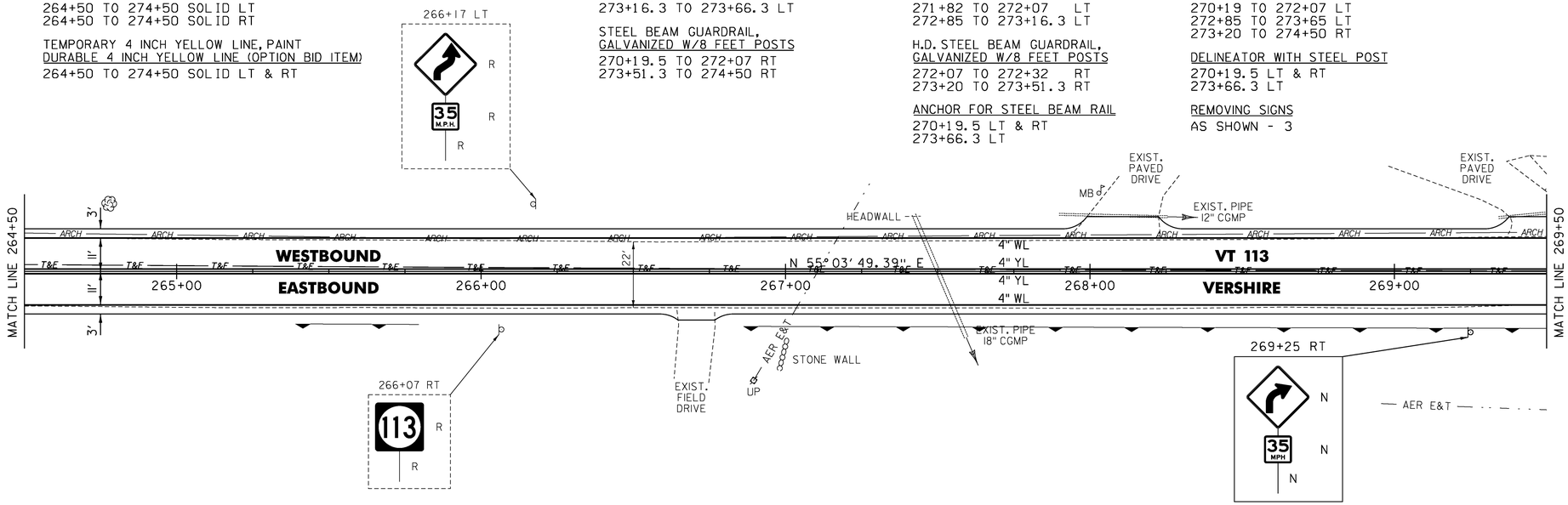
H.D. STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
272+07 TO 272+32 RT
273+20 TO 273+51.3 RT

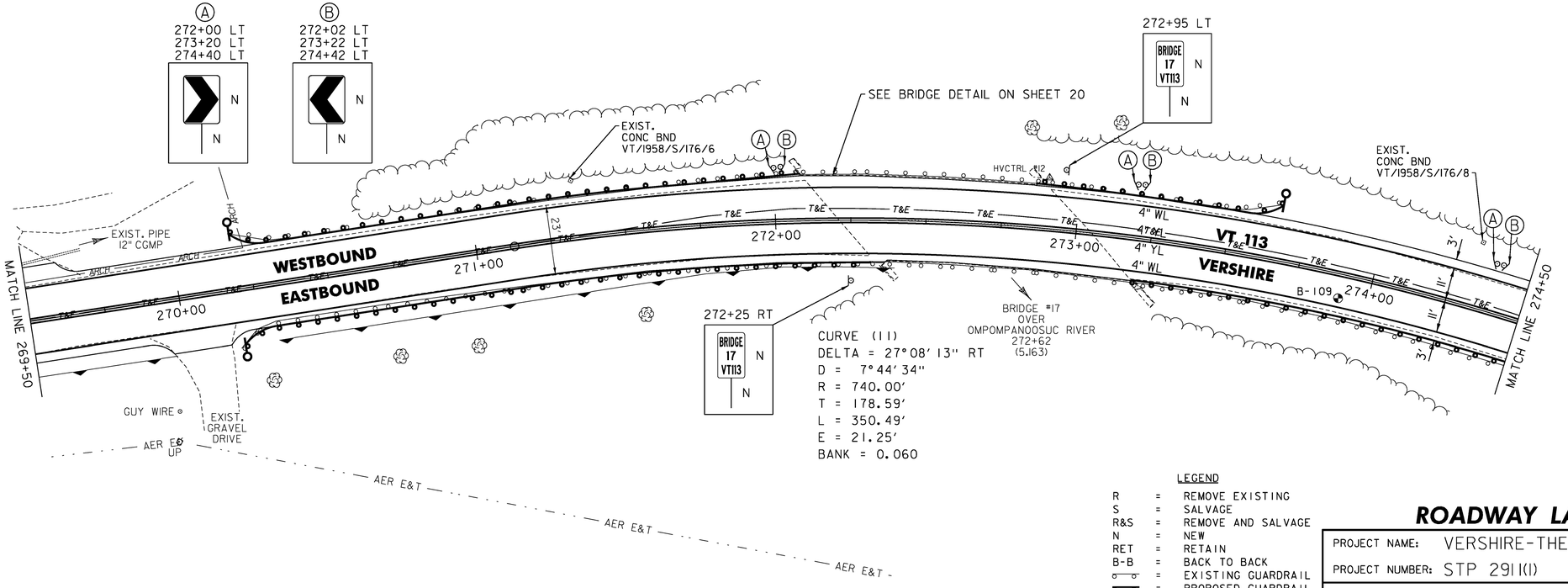
ANCHOR FOR STEEL BEAM RAIL
270+19.5 LT & RT
273+66.3 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
270+18 TO 272+32 RT
270+19 TO 272+07 LT
272+85 TO 273+65 LT
273+20 TO 274+50 RT

DELINEATOR WITH STEEL POST
270+19.5 LT & RT
273+66.3 LT

REMOVING SIGNS
AS SHOWN - 3





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
o o	=	EXISTING GUARDRAIL
o o	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
—O	=	DELINEATOR
—⊙	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 9

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_36
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 36 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
274+50 TO 285+50 SOLID RT
274+50 TO 280+69 SOLID LT
280+69 TO 280+99 SOLID LT (TH 3)
281+21 TO 281+50 SOLID LT (TH 3)
281+50 TO 285+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
274+50 TO 280+91 SOLID LT & RT
281+10 TO 281+11 DOUBLE SOLID LT (TH 3)
281+31 TO 285+50 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
280+89 TO 281+10 LT (TH 3)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
281+03 LT - "STOP" (TH 3)

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
274+50 TO 279+88.8 RT

ANCHOR FOR STEEL BEAM RAIL
279+88.8 RT

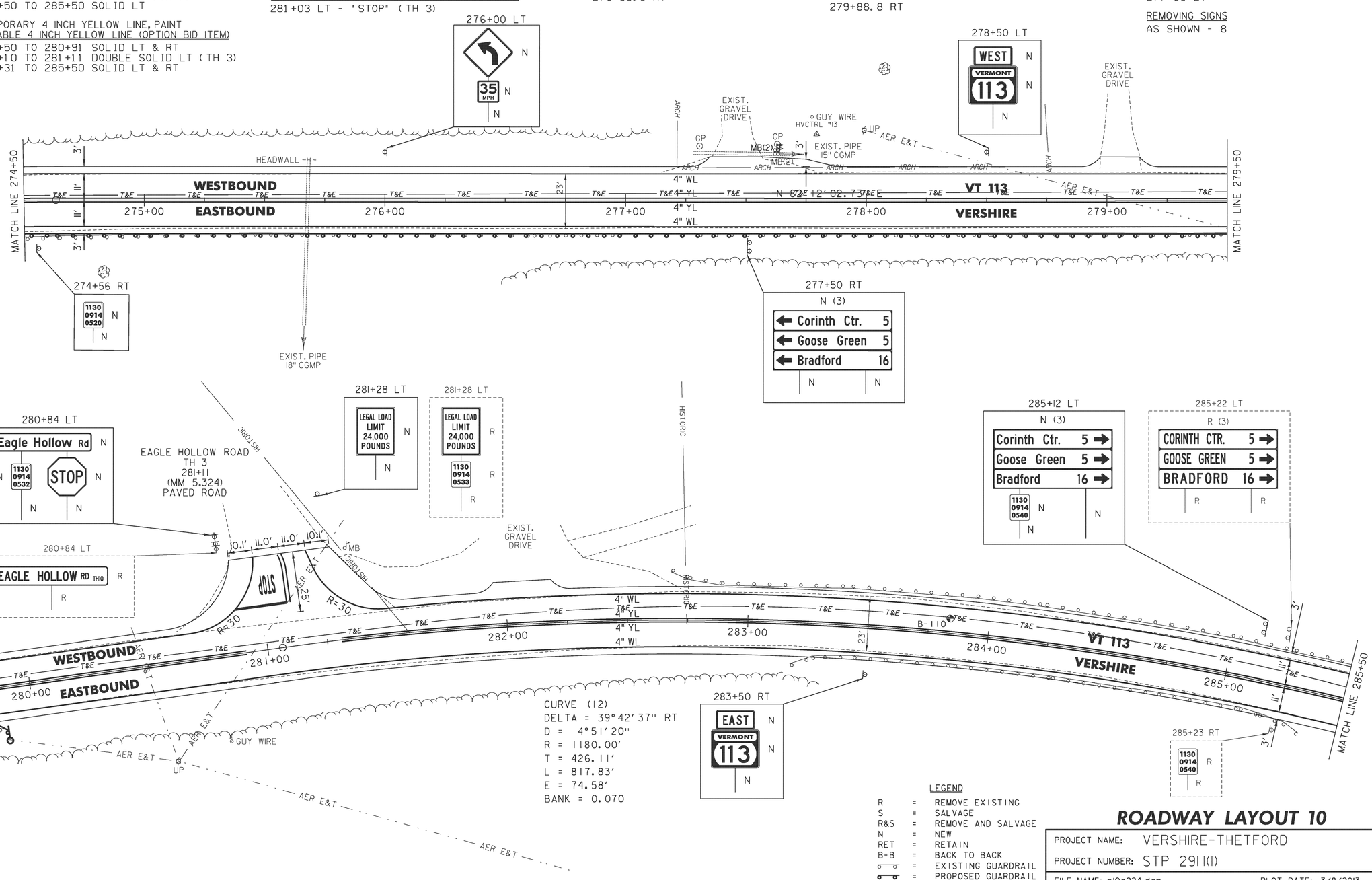
REMOVAL AND DISPOSAL OF GUARDRAIL
274+50 TO 279+88 RT
282+68 TO 285+50 LT
283+18 TO 285+35 RT

DELINEATOR WITH STEEL POST
279+88.8 RT

THINNING AND TRIMMING FOR SIGNS
277+50 RT

RELOCATE MAILBOX, SINGLE SUPPORT
277+62 LT
277+63 LT

REMOVING SIGNS
AS SHOWN - 8



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 10

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_37

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 37 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
285+50 TO 297+50 SOLID LT
285+50 TO 297+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
285+50 TO 286+18 SOLID LT & RT
286+18 TO 290+93 SOLID LT, DASHED RT
290+93 TO 294+10 DASHED CL
294+10 TO 297+50 DASHED LT, SOLID RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
293+05.2 TO 297+50 RT

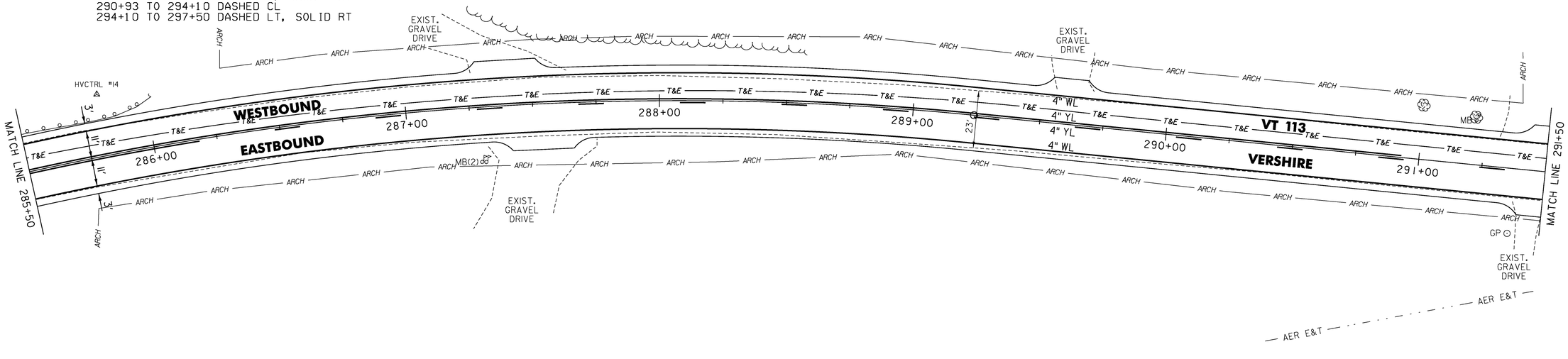
ANCHOR FOR STEEL BEAM RAIL
293+05.2 RT

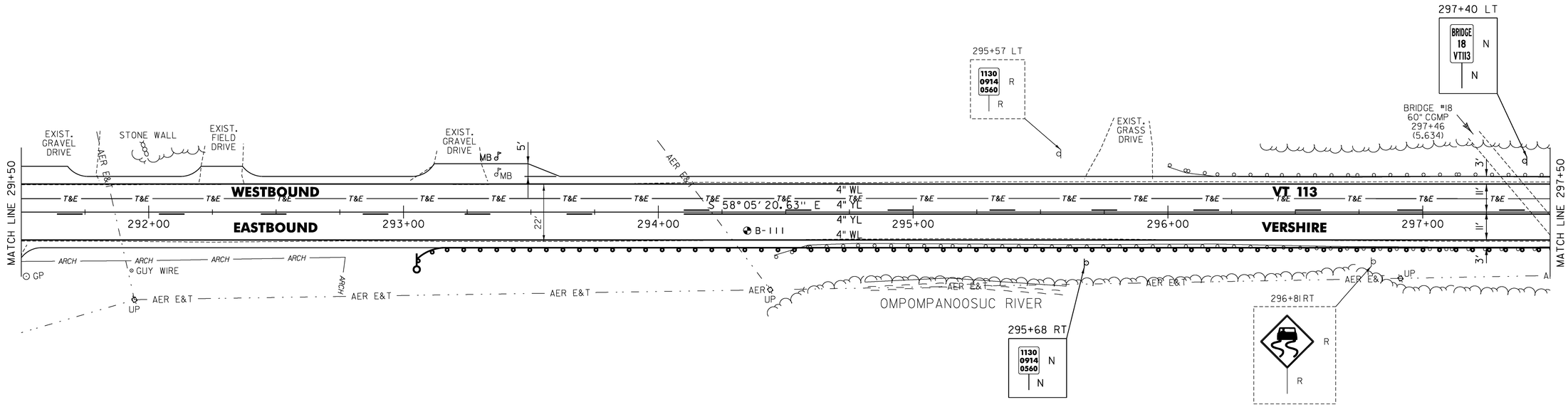
REMOVAL AND DISPOSAL OF GUARDRAIL
285+50 TO 286+02 LT
294+45 TO 297+50 RT
296+00 TO 297+50 LT

DELINEATOR WITH STEEL POST
293+05.2 RT

RELOCATE MAILBOX, SINGLE SUPPORT
293+36 LT

REMOVING SIGNS
AS SHOWN - 2





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 11

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_38

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 38 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
297+50 TO 309+50 SOLID LT
297+50 TO 309+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
297+50 TO 302+54 DASHED LT, SOLID RT
302+54 TO 309+50 SOLID LT & RT

REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
306+85 LT (OTDI)

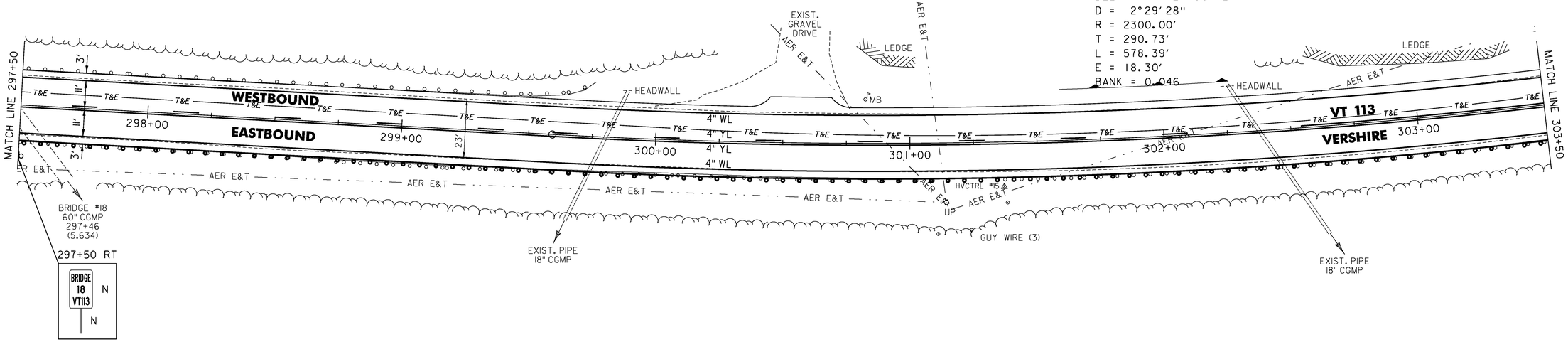
STONE FILL, TYPE I
GEOTEXTILE UNDER STONE FILL
304+50 TO 306+00 RT

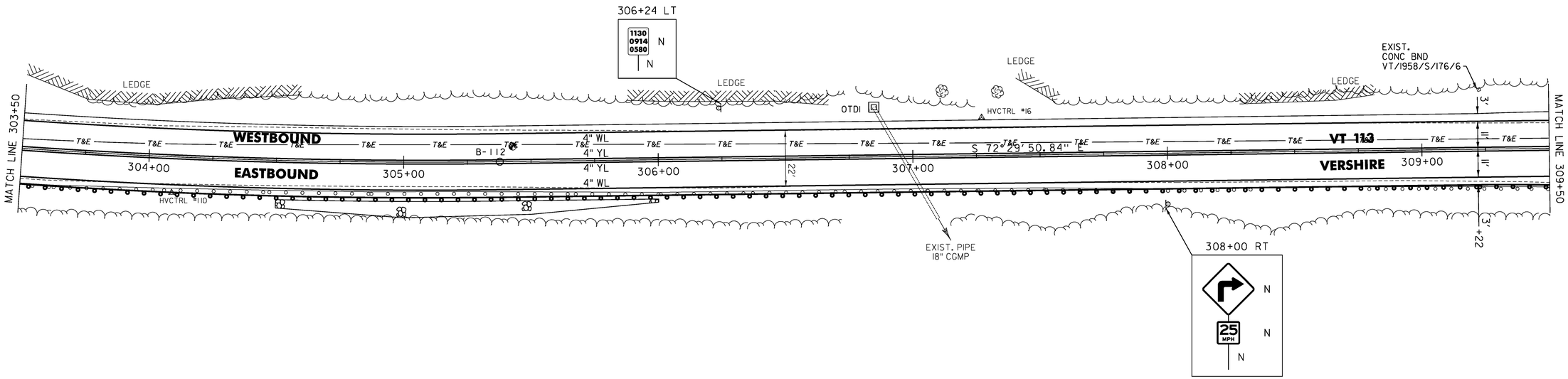
STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
297+50 TO 309+50 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
297+50 TO 309+50 RT
297+50 TO 299+76 LT

CLEARING & GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS
304+75 TO 305+50 LT

CURVE (13)
DELTA = 14°24'30" LT
D = 2°29'28"
R = 2300.00'
T = 290.73'
L = 578.39'
E = 18.30'
BANK = 0.046





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 12

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_39
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 39 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
309+50 TO 321+50 SOLID LT
309+50 TO 321+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
309+50 TO 321+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
310+16 TO 310+37.5 LT
311+68.8 TO 321+50 LT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
309+50 TO 310+17.7 RT
311+49 TO 312+99 RT

311+45 LT
BRIDGE 19 VT113 N N

312+00 LT
N N N

312+50 LT
N N N

H.D. STEEL BEAM
GUARDRAIL, GALVANIZED
310+37.5 TO 310+62.5 LT
311+37.5 TO 311+68.8 LT

H.D. STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
310+17.7 TO 310+49 RT
311+24 TO 311+49 RT

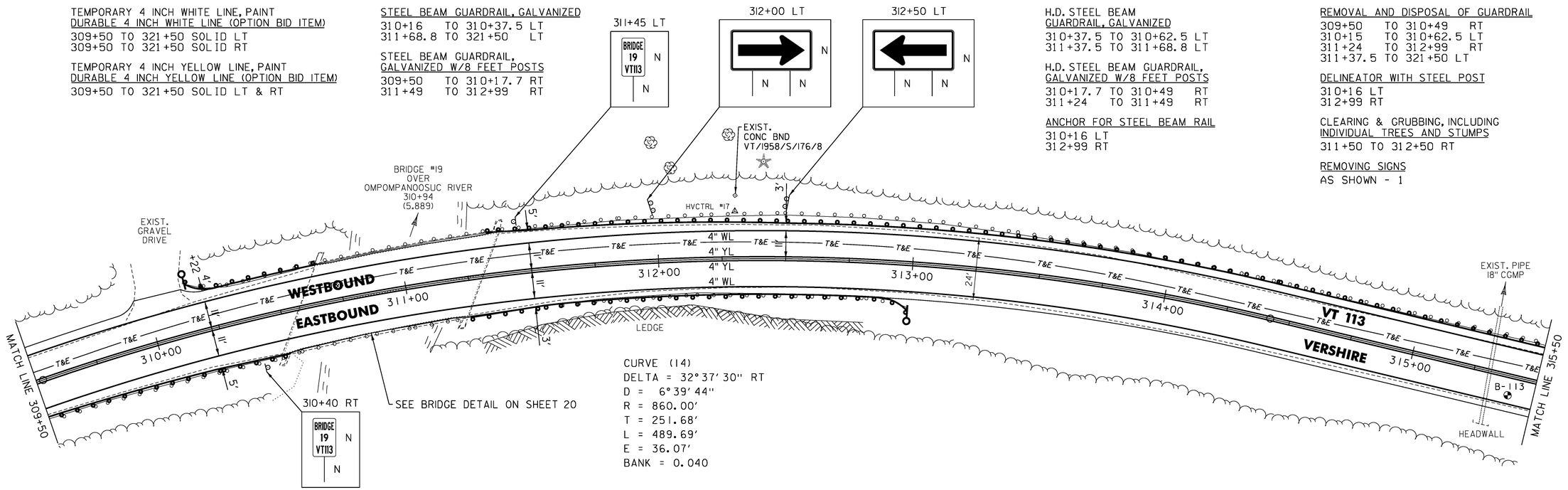
ANCHOR FOR STEEL BEAM RAIL
310+16 LT
312+99 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
309+50 TO 310+49 RT
310+15 TO 310+62.5 LT
311+24 TO 312+99 RT
311+37.5 TO 321+50 LT

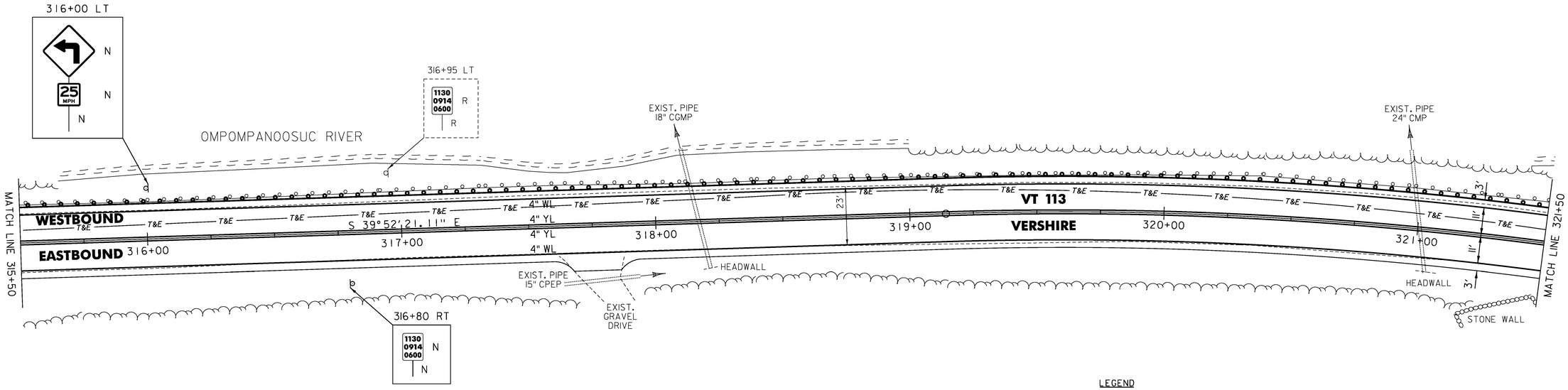
DELINEATOR WITH STEEL POST
310+16 LT
312+99 RT

CLEARING & GRUBBING, INCLUDING
INDIVIDUAL TREES AND STUMPS
311+50 TO 312+50 RT

REMOVING SIGNS
AS SHOWN - 1



CURVE (14)
DELTA = 32°37'30" RT
D = 6°39'44"
R = 860.00'
T = 251.68'
L = 489.69'
E = 36.07'
BANK = 0.040



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 13

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_40
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 40 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
321+50 TO 333+50 SOLID LT
321+50 TO 333+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
321+50 TO 323+14 SOLID LT & RT
323+14 TO 330+53 SOLID LT, DASHED RT
330+53 TO 333+50 DASHED CL

6 INCH UNDERDRAIN PIPE
~~333~~+00 TO 333+50 RT
333+15

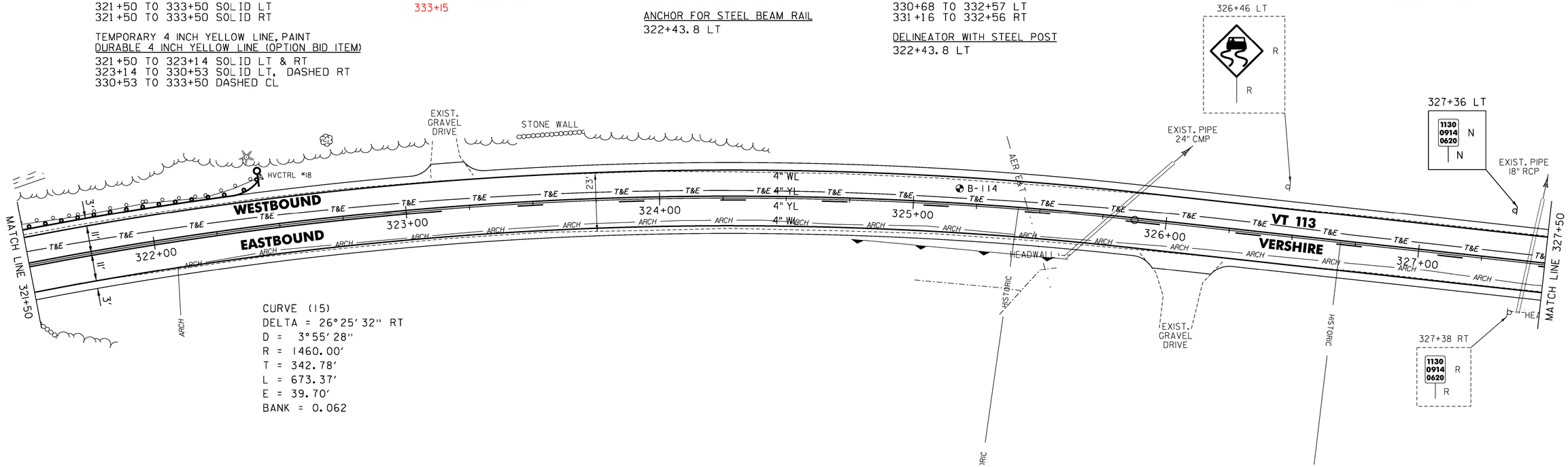
STEEL BEAM GUARDRAIL, GALVANIZED
321+50 TO 322+43.8 LT

ANCHOR FOR STEEL BEAM RAIL
322+43.8 LT

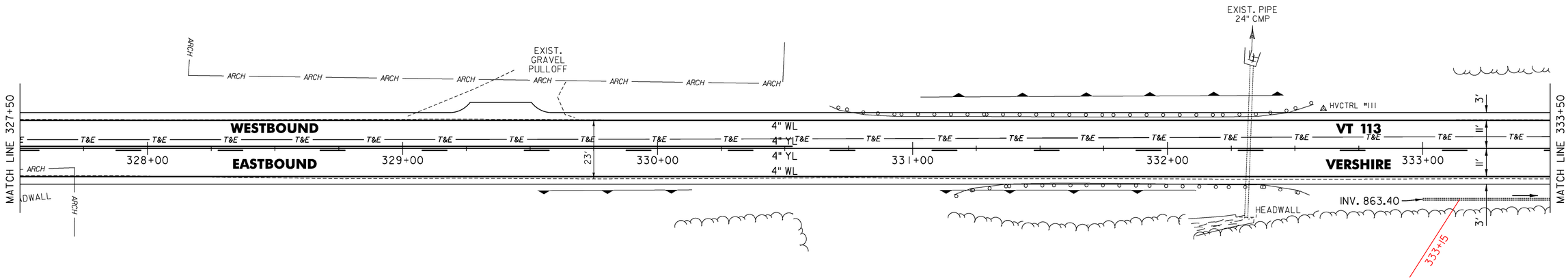
REMOVAL AND DISPOSAL OF GUARDRAIL
321+50 TO 322+43 LT
330+68 TO 332+57 LT
331+16 TO 332+56 RT

DELINEATOR WITH STEEL POST
322+43.8 LT

REMOVING SIGNS
AS SHOWN - 2



CURVE (15)
DELTA = 26°25'32" RT
D = 3°55'28"
R = 1460.00'
T = 342.78'
L = 673.37'
E = 39.70'
BANK = 0.062



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 14

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_41

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 41 OF 232

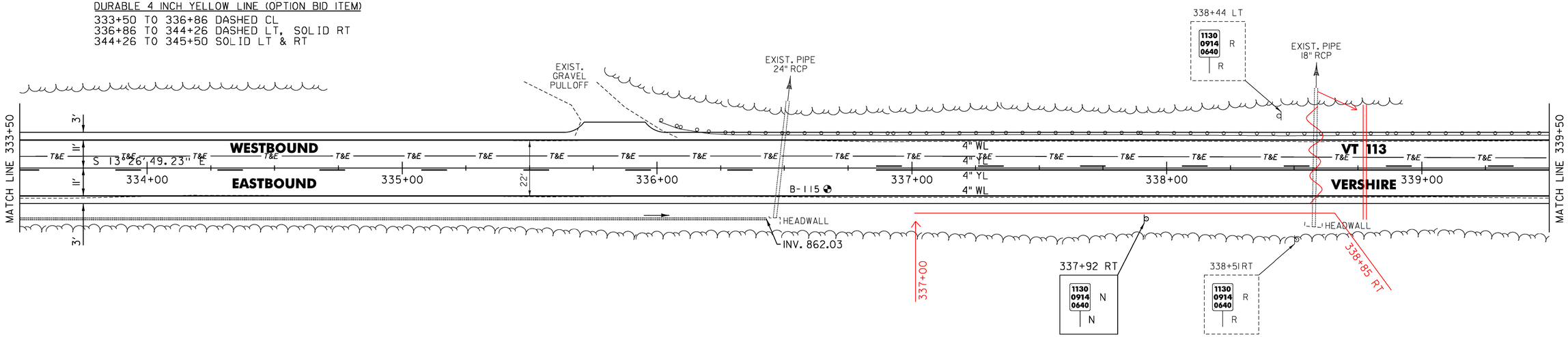
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
333+50 TO 345+50 SOLID LT
333+50 TO 345+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
333+50 TO 336+86 DASHED CL
336+86 TO 344+26 DASHED LT, SOLID RT
344+26 TO 345+50 SOLID LT & RT

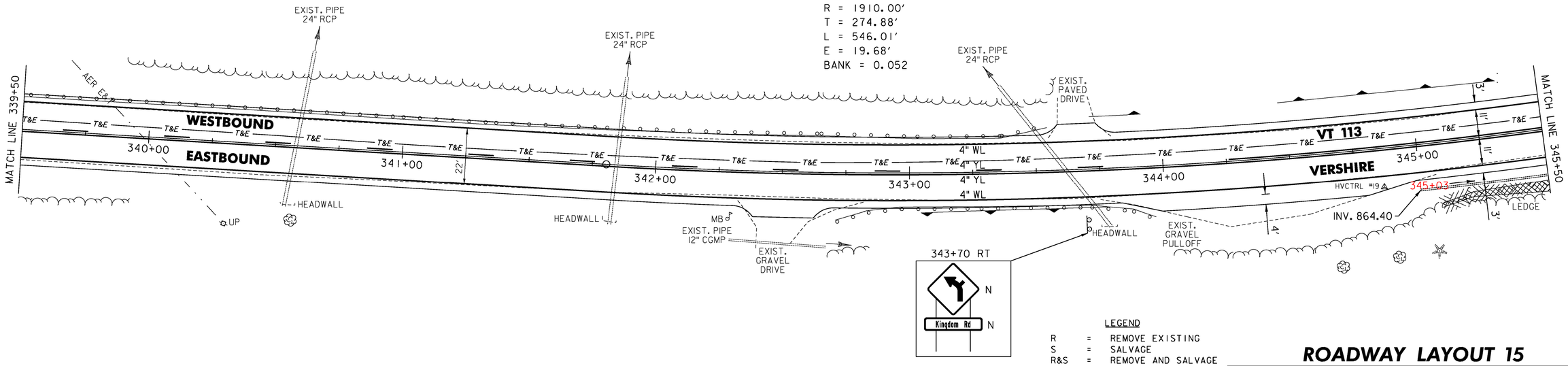
6 INCH UNDERDRAIN PIPE
333+50 TO ~~336+43~~ RT 336+75 RT
345+00 TO 345+50 RT
345+03

REMOVAL AND DISPOSAL OF GUARDRAIL
336+01 TO 343+55 LT
342+71 TO 343+96 RT

REMOVING SIGNS
AS SHOWN - 2



CURVE (16)
DELTA = 16°22'45" LT
D = 2°59'59"
R = 1910.00'
T = 274.88'
L = 546.01'
E = 19.68'
BANK = 0.052



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 15

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_42

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 42 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
345+50 TO 356+50 SOLID LT
345+50 TO 347+38 SOLID RT
347+38 TO 347+84 SOLID RT (TH 27)
348+00 TO 348+14 SOLID RT (TH 27)
348+14 TO 356+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
345+50 TO 347+60 SOLID LT & RT
347+80 TO 347+92 DOUBLE SOLID LT (TH 27)
348+00 TO 353+76 SOLID LT, DASHED RT
353+76 TO 355+34 DASHED CL
355+34 TO 356+50 DASHED LT, SOLID RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
347+80 TO 348+00 RT (TH 27)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
347+92 RT - "STOP" (TH 27)

6 INCH UNDERDRAIN PIPE
~~345+50~~ 345+03 TO ~~347+40~~ 347+75 RT

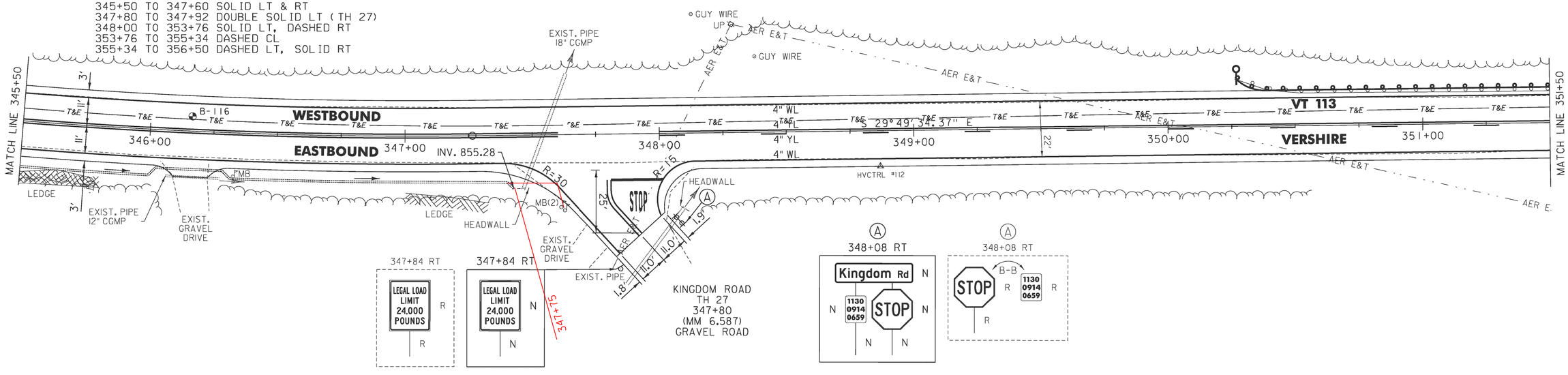
STEEL BEAM GUARDRAIL, GALVANIZED
350+27 TO 356+50 LT

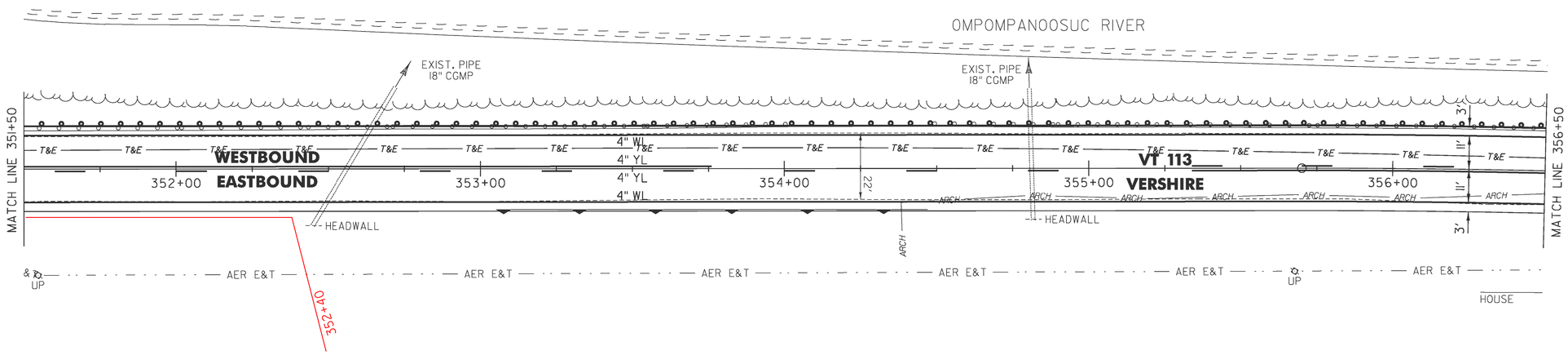
ANCHOR FOR STEEL BEAM RAIL
350+27 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
350+26 TO 356+50 LT

DELINEATOR WITH STEEL POST
350+27 LT

REMOVING SIGNS
AS SHOWN - 3





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 16

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_43

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 43 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
356+50 TO 368+50 SOLID LT
356+50 TO 368+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
356+50 TO 363+00 DASHED LT, SOLID RT
363+00 TO 368+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
356+50 TO 357+52 LT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
359+79 TO 360+16.5 LT
360+41.5 TO 364+79 LT

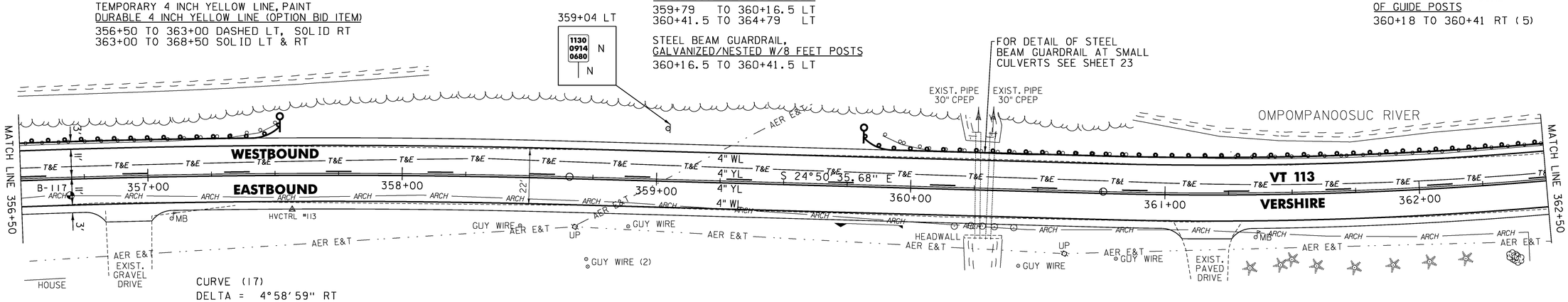
STEEL BEAM GUARDRAIL,
GALVANIZED/NESTED W/8 FEET POSTS
360+16.5 TO 360+41.5 LT

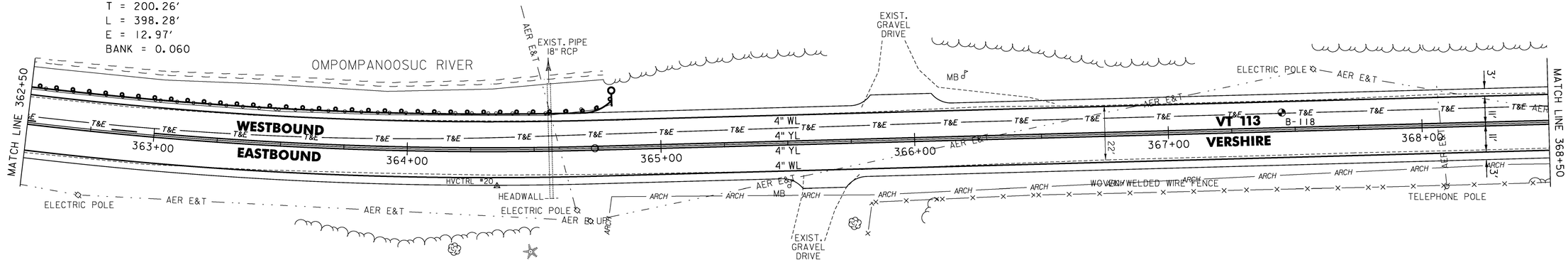
ANCHOR FOR STEEL BEAM RAIL
357+52 LT
359+79 LT
364+79 LT

DELINEATOR WITH STEEL POST
357+52 LT
359+79 LT
364+79 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
356+50 TO 357+52 LT
359+88 TO 364+81 LT

REMOVAL AND DISPOSAL
OF GUIDE POSTS
360+18 TO 360+41 RT (5)





NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 17

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_44

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 44 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
368+50 TO 380+50 SOLID LT
368+50 TO 380+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
368+50 TO 380+50 SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED
374+61.5 TO 376+24 LT
377+24 TO 377+61.5 LT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
376+32 TO 376+57 RT
377+57 TO 378+19.5 RT

H.D. STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
376+57 TO 376+82 RT
377+32 TO 377+57 RT

H.D. STEEL BEAM
GUARDRAIL, GALVANIZED
376+24 TO 376+49 LT
376+99 TO 377+24 LT

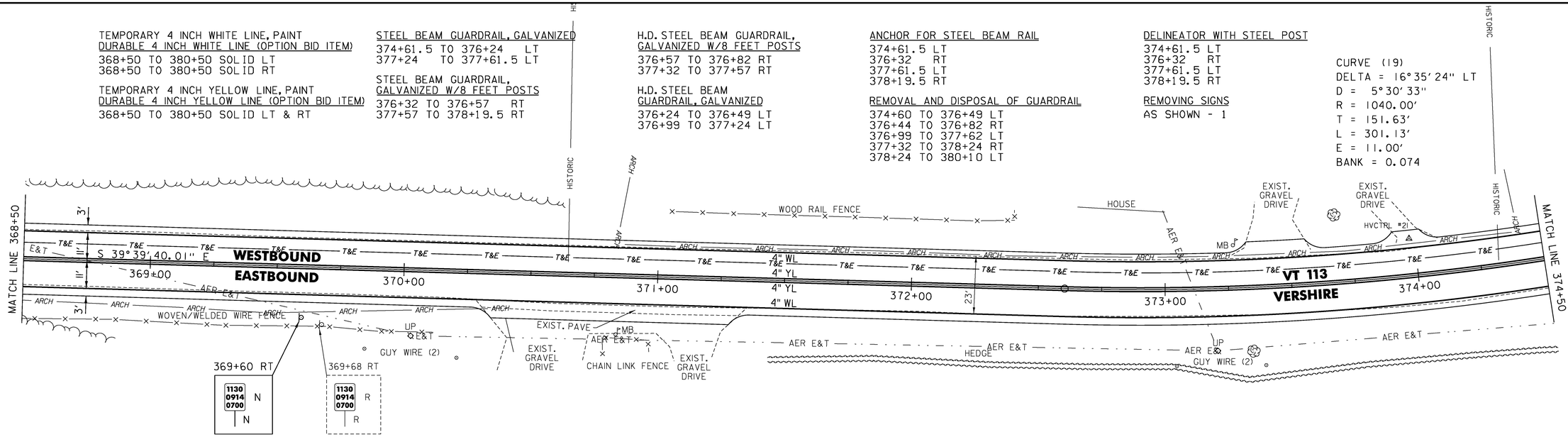
ANCHOR FOR STEEL BEAM RAIL
374+61.5 LT
376+32 RT
377+61.5 LT
378+19.5 RT

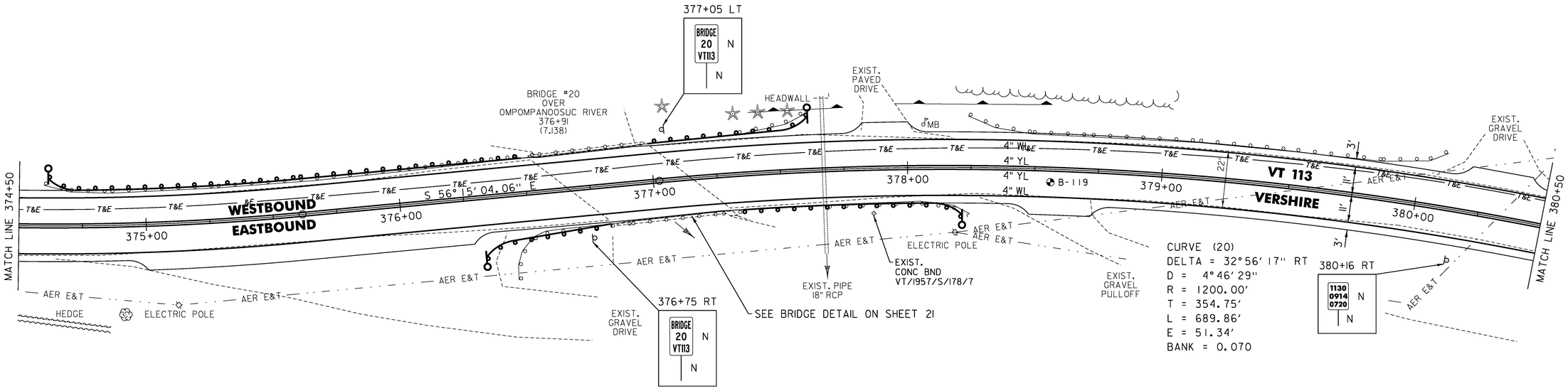
REMOVAL AND DISPOSAL OF GUARDRAIL
374+60 TO 376+49 LT
376+44 TO 376+82 RT
376+99 TO 377+62 LT
377+32 TO 378+24 RT
378+24 TO 380+10 LT

DELINEATOR WITH STEEL POST
374+61.5 LT
376+32 RT
377+61.5 LT
378+19.5 RT

REMOVING SIGNS
AS SHOWN - 1

CURVE (19)
DELTA = 16°35'24" LT
D = 5°30'33"
R = 1040.00'
T = 151.63'
L = 301.13'
E = 11.00'
BANK = 0.074





CURVE (20)
DELTA = 32°56'17" RT
D = 4°46'29"
R = 1200.00'
T = 354.75'
L = 689.86'
E = 51.34'
BANK = 0.070

NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 18

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_45

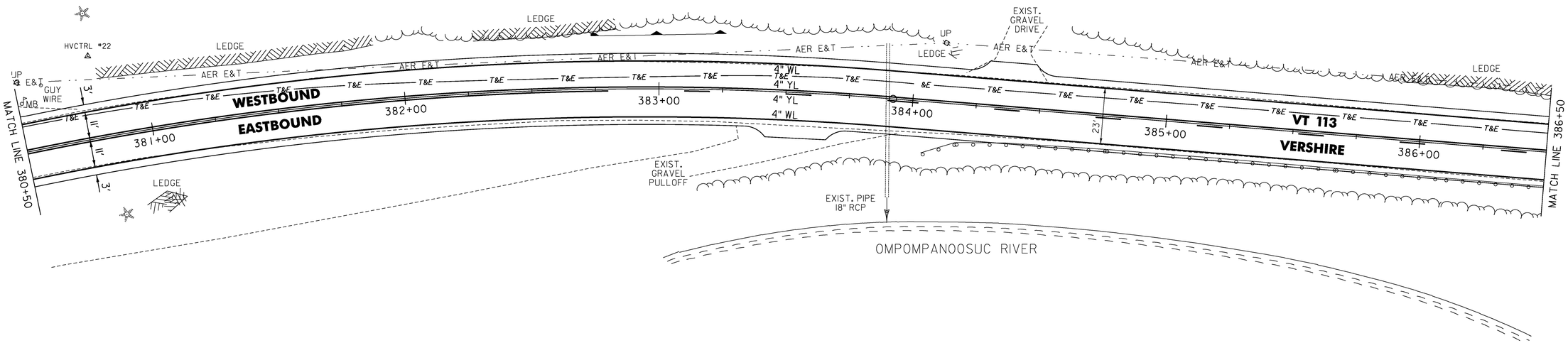
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 45 OF 232

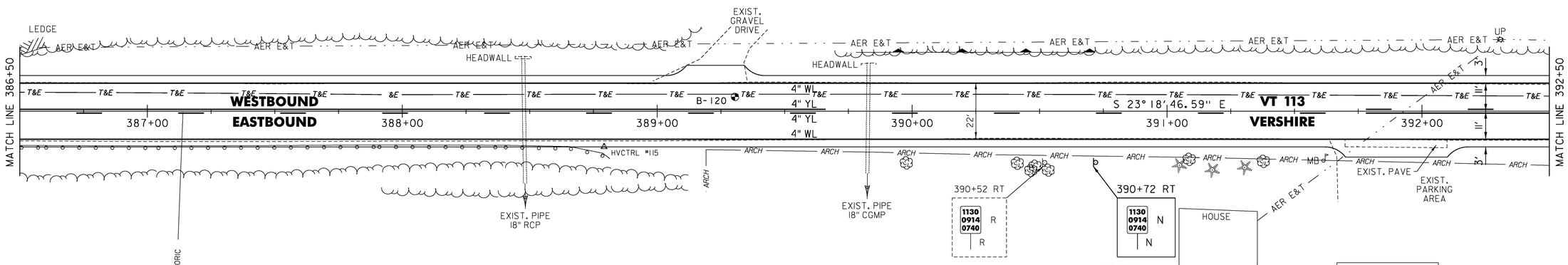
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
380+50 TO 392+50 SOLID LT
380+50 TO 392+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
380+50 TO 382+80 SOLID LT & RT
382+80 TO 389+66 SOLID LT, DASHED RT
389+66 TO 391+78 DASHED CL
391+78 TO 392+50 DASHED LT, SOLID RT

REMOVAL AND DISPOSAL OF GUARDRAIL
384+05 TO 388+81 RT

REMOVING SIGNS
AS SHOWN - 1





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 19

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

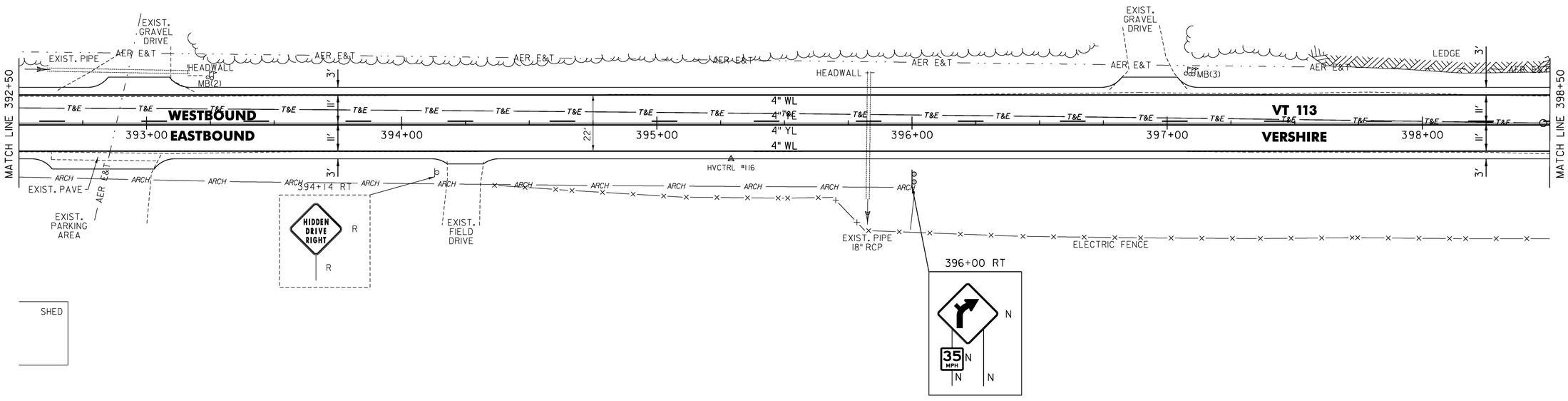
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_46

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 46 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
392+50 TO 398+50 SOLID LT
392+50 TO 398+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
392+50 TO 398+50 DASHED LT, SOLID RT

REMOVING SIGNS
AS SHOWN - 1



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 20

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_47

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 47 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
398+50 TO 404+50 SOLID RT
398+50 TO 400+90 SOLID LT
400+90 TO 401+14 SOLID LT (TH 15)
401+35 TO 401+72 SOLID LT (TH 15)
401+72 TO 404+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
398+50 TO 399+70 DASHED LT, SOLID RT
399+70 TO 401+11 SOLID LT & RT
401+24 TO 401+30 DOUBLE SOLID LT (TH 15)
401+51 TO 404+50 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
401+07 TO 401+30 LT (TH 15)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
401+19 LT - "STOP" (TH 15)

STEEL BEAM GUARDRAIL, GALVANIZED
400+14.5 TO 400+52 LT
400+89.5 TO 400+99.5 LT (ENDS ON TH 15)
402+79 TO 403+66.5 RT

STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
399+54 TO 400+54 RT
400+91.5 TO 401+91.5 RT
402+98 TO 403+23 LT

STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
400+52 TO 400+89.5 LT

H.D. STEEL BEAM GUARDRAIL,
GALVANIZED/NESTED W/8 FEET POSTS
400+54 TO 400+91.5 RT

H.D. STEEL BEAM
GUARDRAIL, GALVANIZED
402+54 TO 402+79 RT

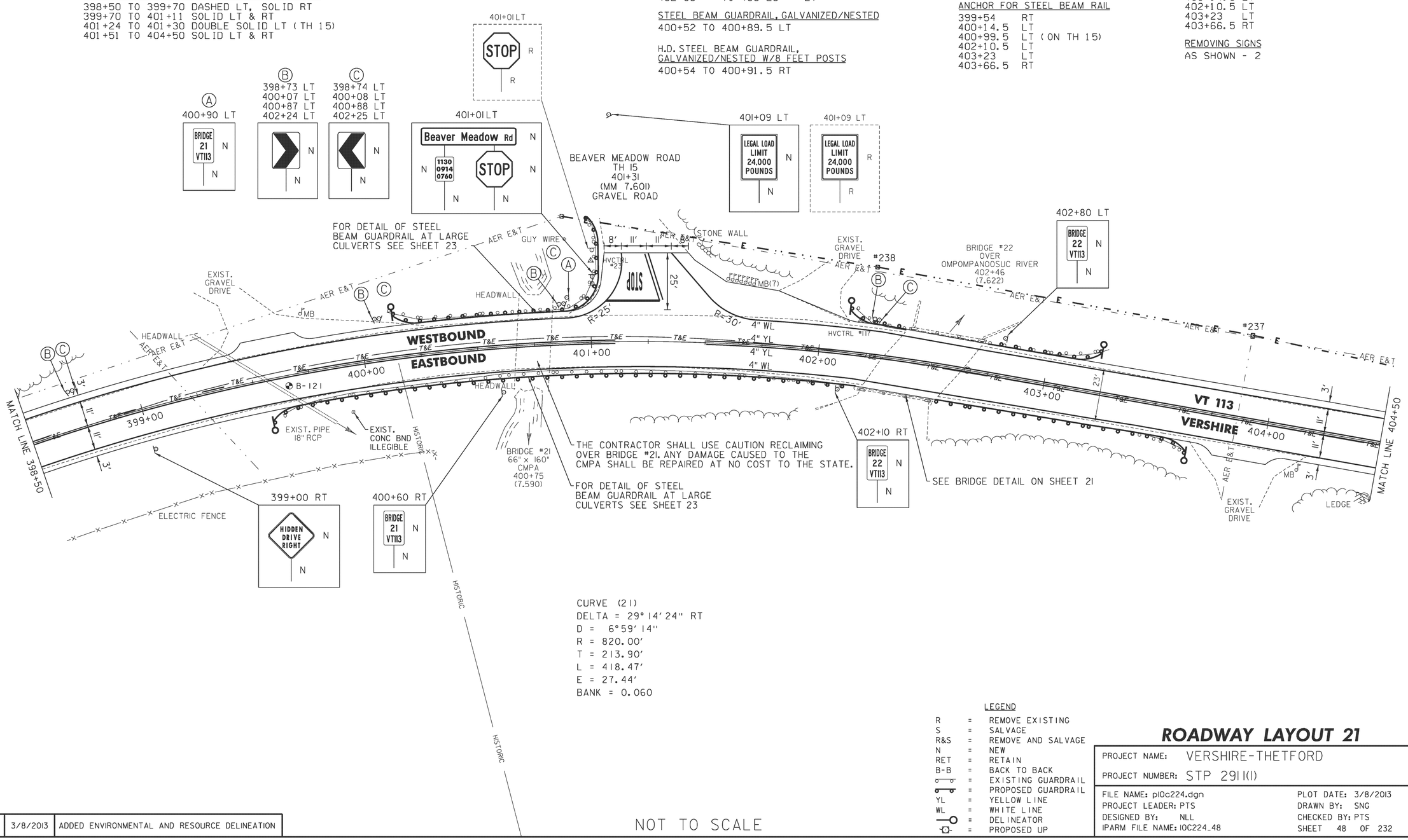
H.D. STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
401+91.5 TO 402+16.5 RT
402+10.5 TO 402+35.5 LT
402+73 TO 402+98 LT

ANCHOR FOR STEEL BEAM RAIL
399+54 RT
400+14.5 LT
400+99.5 LT (ON TH 15)
402+10.5 LT
403+23 LT
403+66.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
399+60 TO 402+18 RT
400+13 TO 400+99 LT (ENDS ON TH 15)
402+14 TO 402+37 LT
402+54 TO 403+67 RT
402+73 TO 403+26 LT

DELINEATOR WITH STEEL POST
399+54 RT
400+14.5 LT
402+10.5 LT
403+23 LT
403+66.5 RT

REMOVING SIGNS
AS SHOWN - 2



CURVE (21)
DELTA = 29°14'24" RT
D = 6°59'14"
R = 820.00'
T = 213.90'
L = 418.47'
E = 27.44'
BANK = 0.060

NOT TO SCALE

LEGEND

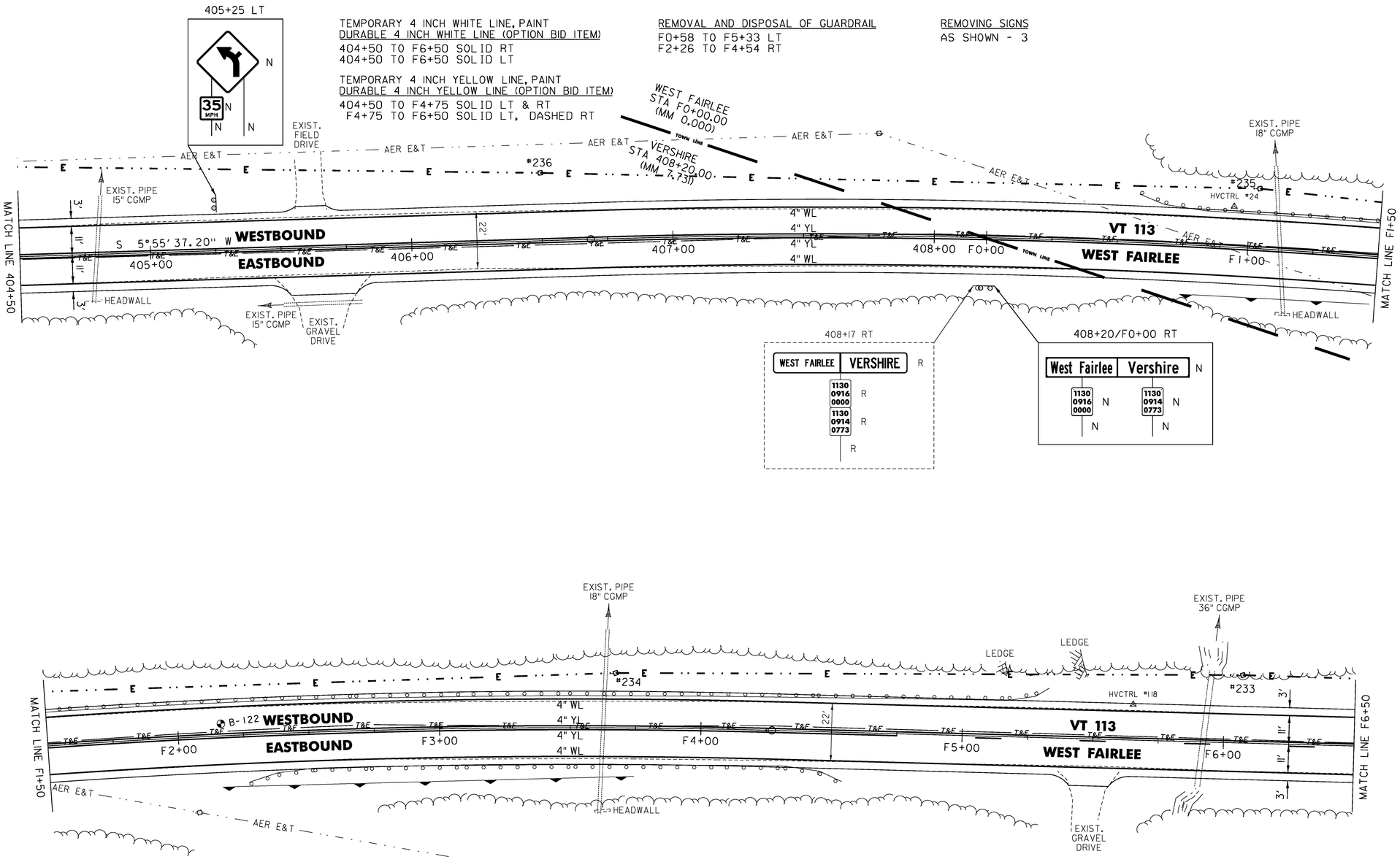
R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 21

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_48
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 48 OF 232



CURVE (22)
DELTA = 11°35'28" RT
D = 2°00'12"
R = 2860.00'
T = 290.28'
L = 578.59'
E = 14.69'
BANK = 0.038

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 22

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

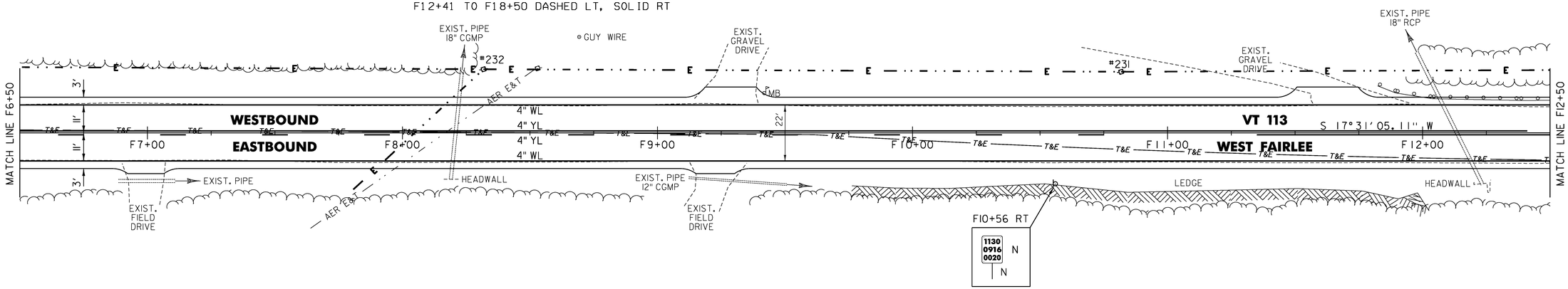
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_49
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 49 OF 232

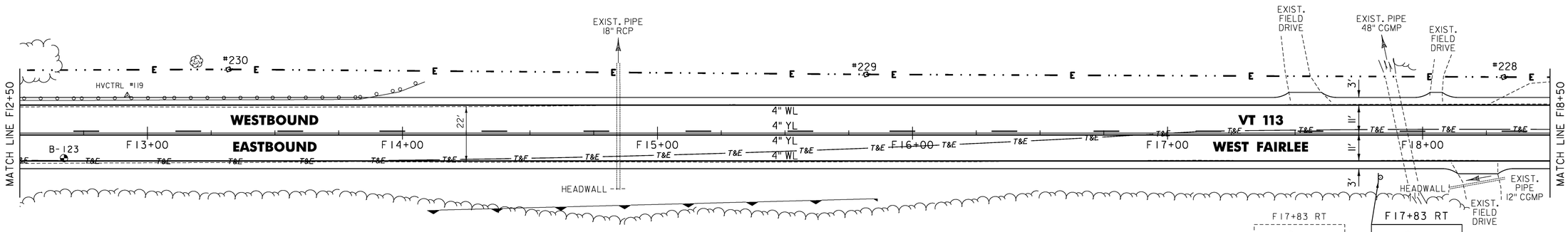
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F6+50 TO F18+50 SOLID RT
F6+50 TO F18+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F6+50 TO F11+35 SOLID LT, DASHED RT
F11+35 TO F12+41 SOLID LT & RT
F12+41 TO F18+50 DASHED LT, SOLID RT

REMOVAL AND DISPOSAL OF GUARDRAIL
F11+82 TO F14+09 LT

REMOVING SIGNS
AS SHOWN - 2





NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 23

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_50

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 50 OF 232

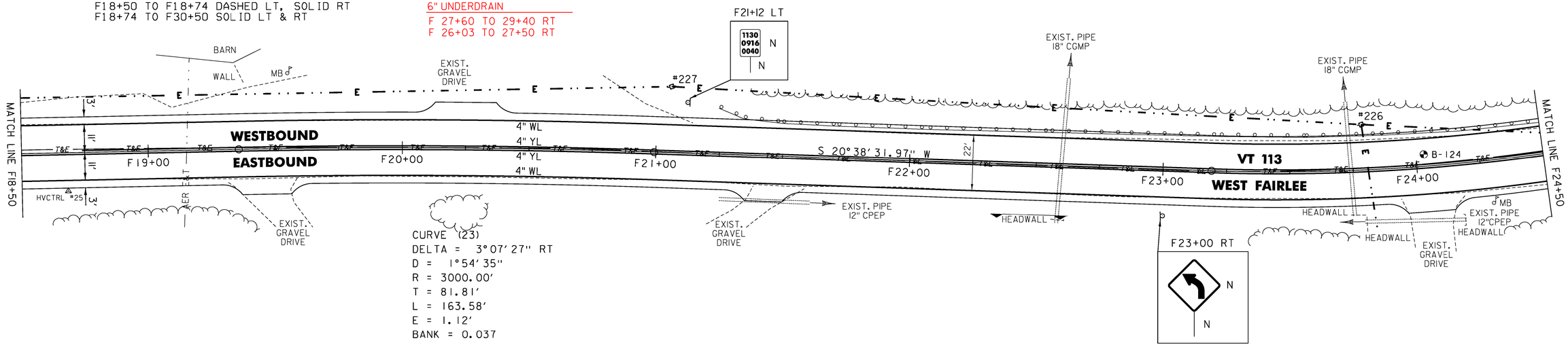
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F18+50 TO F30+50 SOLID RT
F18+50 TO F30+50 SOLID LT

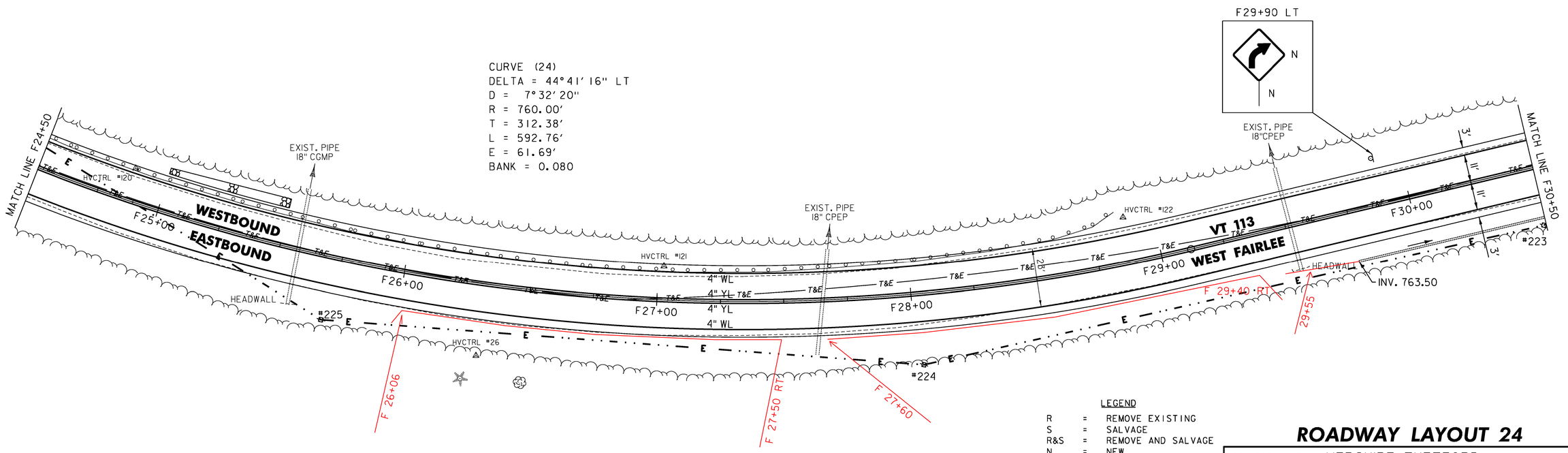
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F18+50 TO F18+74 DASHED LT, SOLID RT
F18+74 TO F30+50 SOLID LT & RT

6 INCH UNDERDRAIN PIPE
~~F29+75~~ 29+55 TO F30+50 RT
STONE FILL, TYPE I
GEOTEXTILE UNDER STONE FILL
F25+00 TO F25+50 LT

6" UNDERDRAIN
F 27+60 TO 29+40 RT
F 26+03 TO 27+50 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
F21+24 TO F28+85 LT





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 24

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_51

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 51 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F30+50 TO F42+50 SOLID RT
F30+50 TO F42+50 SOLID LT

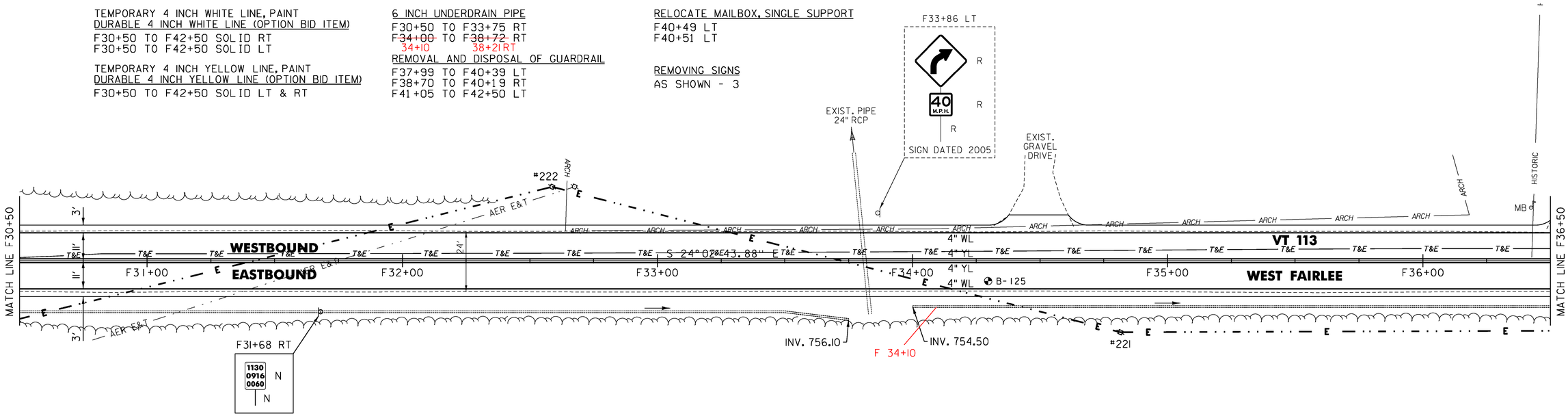
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F30+50 TO F42+50 SOLID LT & RT

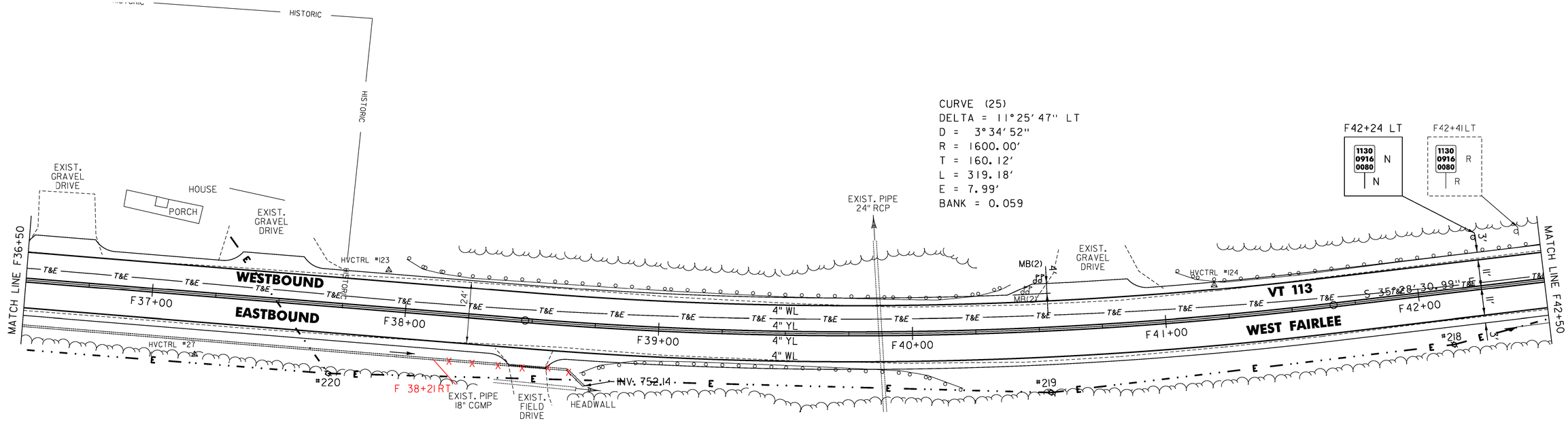
6 INCH UNDERDRAIN PIPE
F30+50 TO F33+75 RT
~~F34+00~~ TO ~~F38+72~~ RT
34+10 38+21 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
F37+99 TO F40+39 LT
F38+70 TO F40+19 RT
F41+05 TO F42+50 LT

RELOCATE MAILBOX, SINGLE SUPPORT
F40+49 LT
F40+51 LT

REMOVING SIGNS
AS SHOWN - 3





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 25

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_52

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 52 OF 232

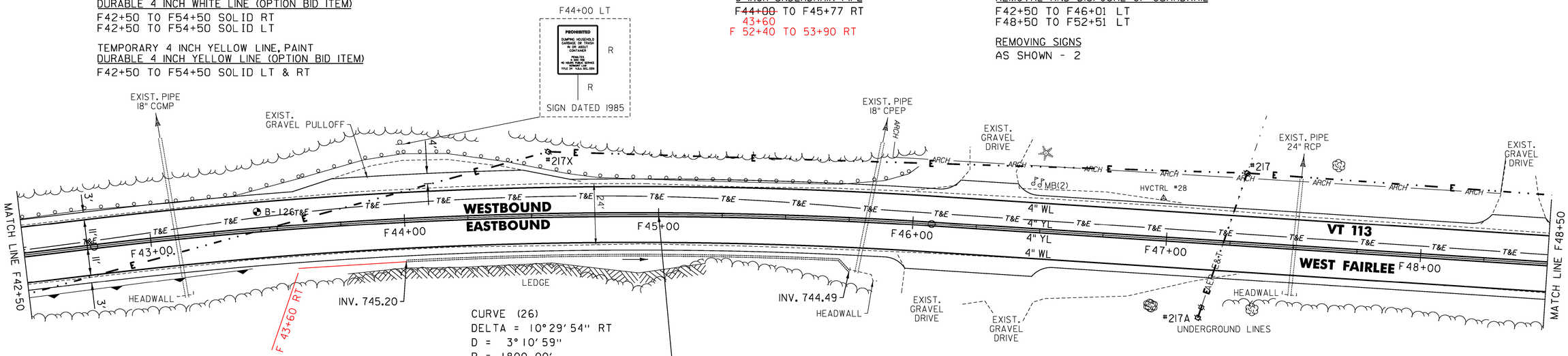
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F42+50 TO F54+50 SOLID RT
F42+50 TO F54+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F42+50 TO F54+50 SOLID LT & RT

6 INCH UNDERDRAIN PIPE
~~F44+00~~ TO F45+77 RT
43+60
F 52+40 TO 53+90 RT

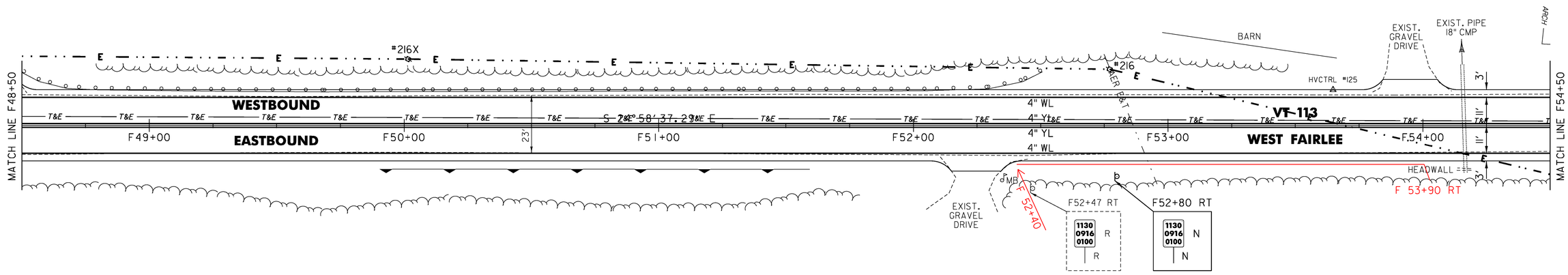
REMOVAL AND DISPOSAL OF GUARDRAIL
F42+50 TO F46+01 LT
F48+50 TO F52+51 LT

REMOVING SIGNS
AS SHOWN - 2



CURVE (26)
DELTA = 10°29'54" RT
D = 3°10'59"
R = 1800.00'
T = 165.37'
L = 329.81'
E = 7.58'
BANK = 0.055

THERE IS A ONE INCH WATER LINE CROSSING VT 113 AT APPROXIMATELY F45+00. THE LOCATION AND DEPTH ARE NOT KNOWN. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS WHEN RECLAIMING IN THIS VICINITY SO NOT TO DAMAGE THE WATER LINE. ANY DAMAGES INCURRED DUE TO THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 26

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_53

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 53 OF 232

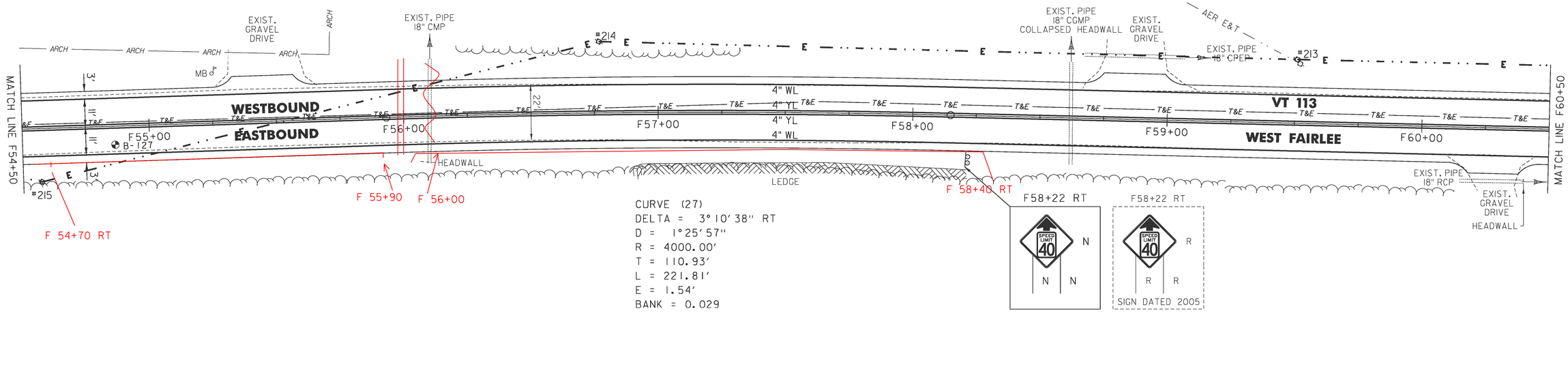
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F54+50 TO F66+50 SOLID RT
F54+50 TO F66+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F54+50 TO F66+50 SOLID LT & RT

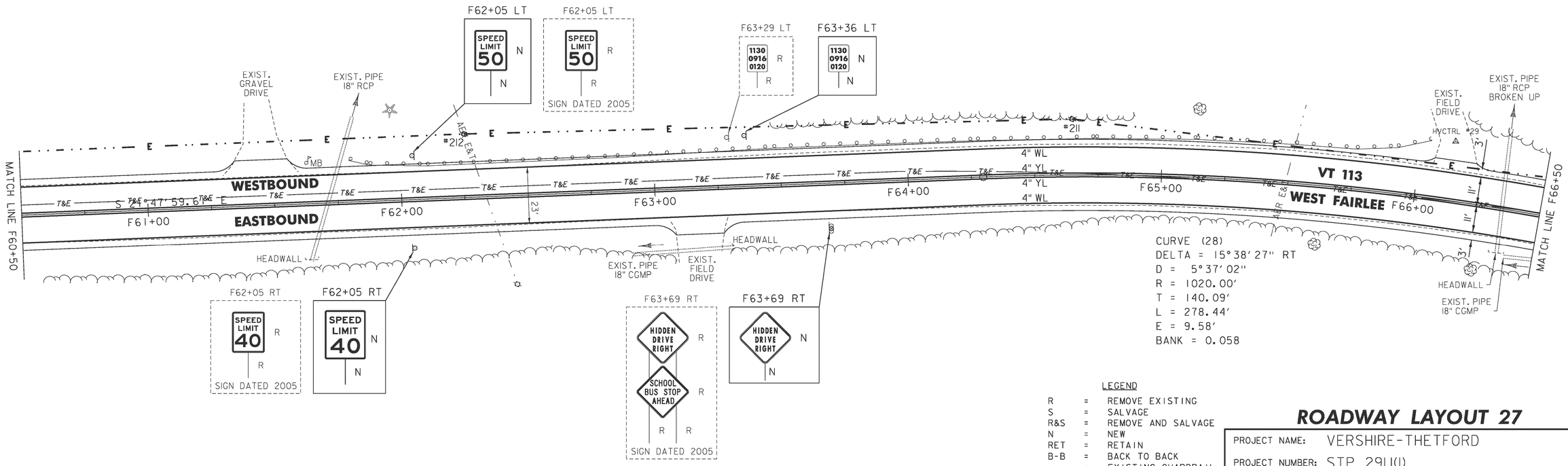
REMOVAL AND DISPOSAL OF GUARDRAIL
F61+80 TO F66+04 LT

6" UNDERDRAIN
F 54+70 TO 55+90 RT
F 56+00 TO 58+40 RT

REMOVING SIGNS
AS SHOWN - 6



CURVE (27)
DELTA = 3°10'38" RT
D = 1°25'57"
R = 4000.00'
T = 110.93'
L = 221.81'
E = 1.54'
BANK = 0.029



CURVE (28)
DELTA = 15°38'27" RT
D = 5°37'02"
R = 1020.00'
T = 140.09'
L = 278.44'
E = 9.58'
BANK = 0.058

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 27

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_54

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 54 OF 232

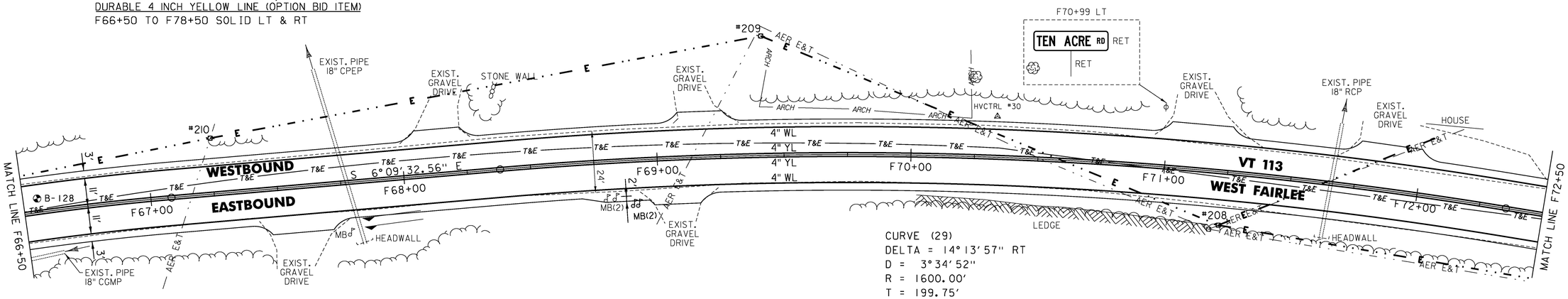
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F66+50 TO F78+50 SOLID RT
F66+50 TO F78+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F66+50 TO F78+50 SOLID LT & RT

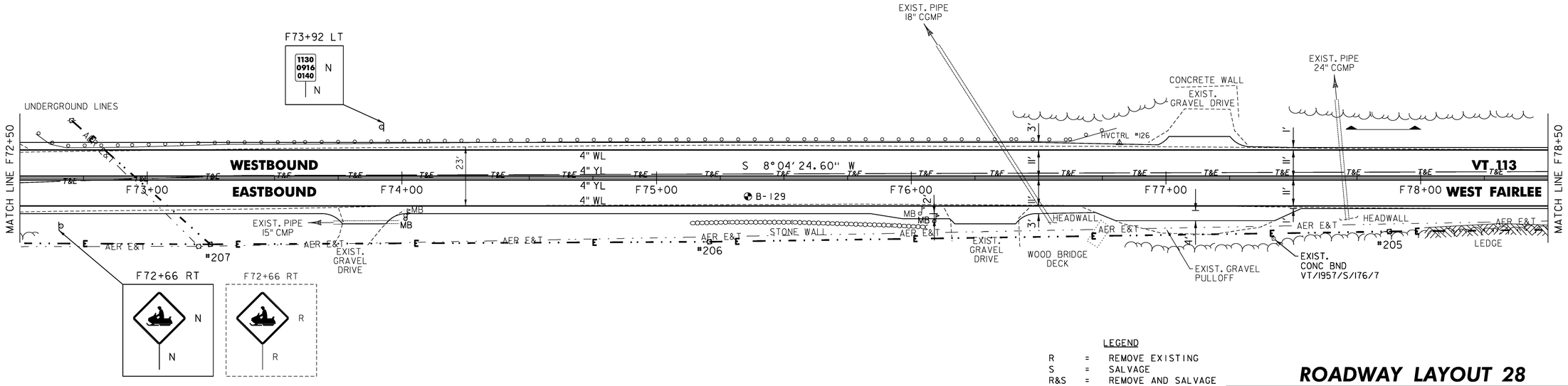
REMOVAL AND DISPOSAL OF GUARDRAIL
F72+56 TO F76+81 LT

RELOCATE MAILBOX, SINGLE SUPPORT
F68+90 RT
F68+92 RT
F74+01 RT
F76+09 RT

REMOVING SIGNS
AS SHOWN - 1



CURVE (29)
DELTA = 14° 13' 57" RT
D = 3° 34' 52"
R = 1600.00'
T = 199.75'
L = 397.45'
E = 12.42'
BANK = 0.043



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 28

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_55
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 55 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F78+50 TO F90+50 SOLID RT
F78+50 TO F90+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F78+50 TO F90+50 SOLID LT & RT

REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
F84+77 RT
F86+71 RT

6 INCH UNDERDRAIN PIPE
F81+50 TO ~~F83+66~~ RT 83+70 RT
F83+~~80~~95 TO F84+78 RT
F85+05 TO ~~F86+72~~ RT 86+73 RT
F87+35 TO ~~F88+87~~ RT 88+10 RT

6 INCH UNDERDRAIN CARRIER PIPE
~~F88+87 RT TO F89+24 LT~~

STONE FILL, TYPE I
GEOTEXTILE UNDER STONE FILL
F83+90 TO F84+75 LT
F86+50 TO F87+75 LT

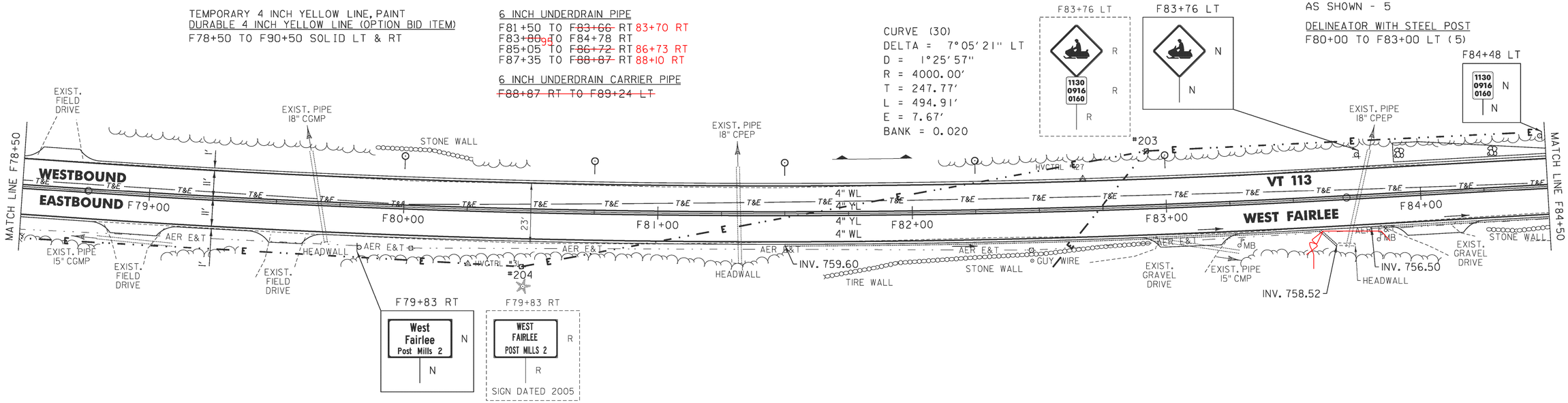
CURVE (30)
DELTA = 7°05'21" LT
D = 1°25'57"
R = 4000.00'
T = 247.77'
L = 494.91'
E = 7.67'
BANK = 0.020

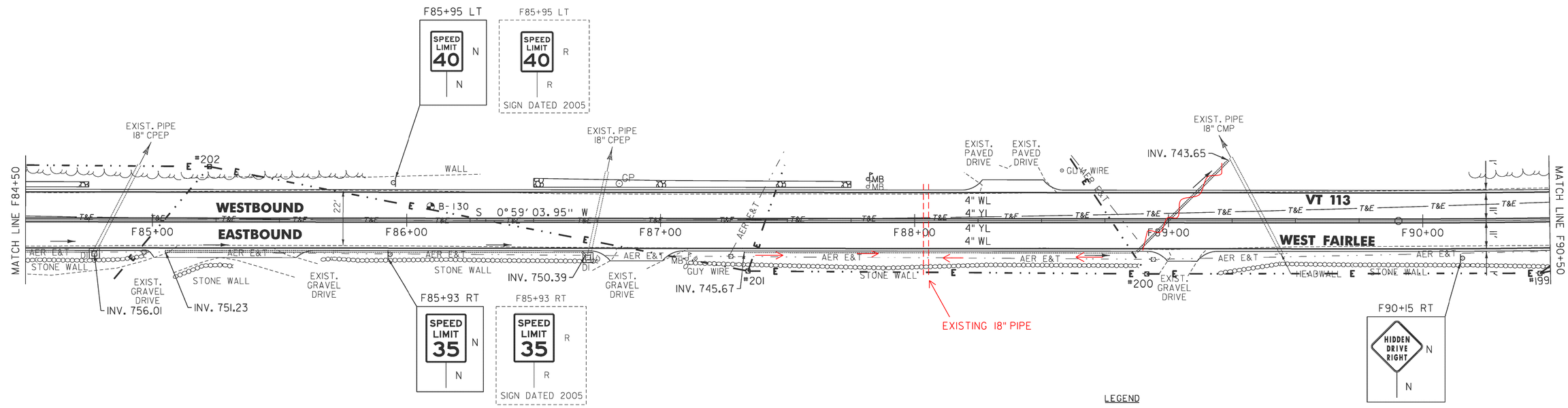
RELOCATE MAILBOX, SINGLE SUPPORT
F87+82 LT

REMOVAL AND DISPOSAL OF GUIDE POSTS
F86+84 LT (1)

REMOVING SIGNS
AS SHOWN - 5

DELINEATOR WITH STEEL POST
F80+00 TO F83+00 LT (5)





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 29

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_56

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 56 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F90+50 TO F102+50 SOLID LT
F90+50 TO F93+35 SOLID RT
F94+15 TO F102+50 SOLID RT

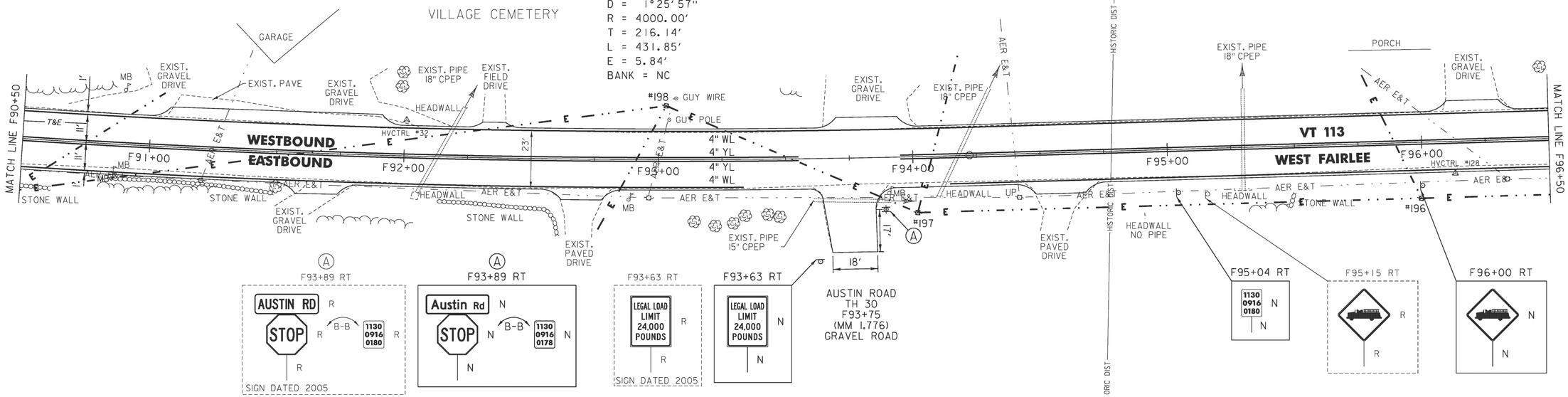
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F90+50 TO F93+55 SOLID LT & RT
F93+95 TO F102+50 SOLID LT & RT

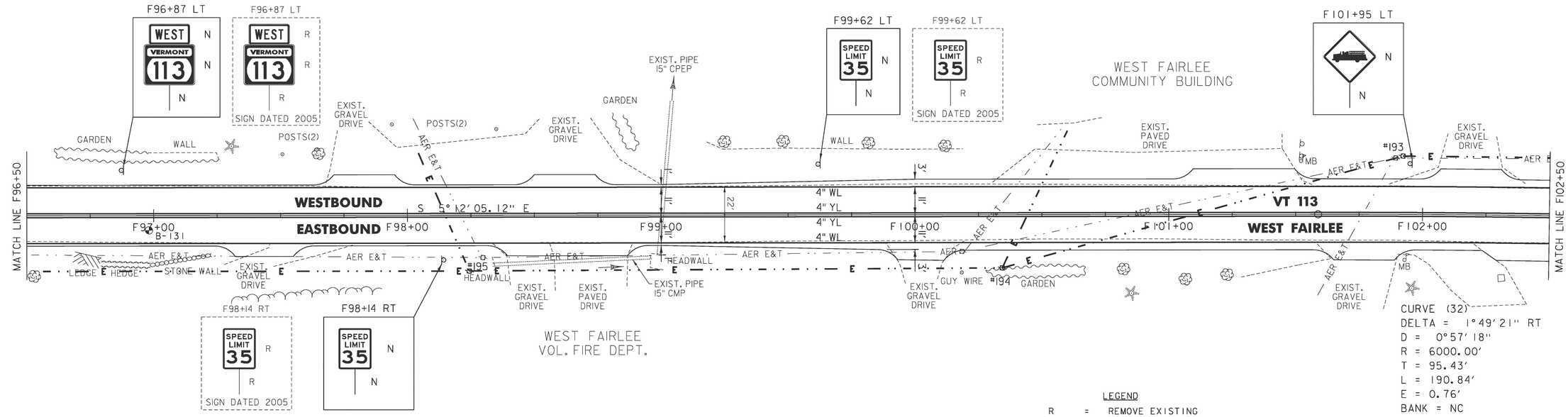
CLEARING & GRUBBING, INCLUDING
INDIVIDUAL TREES AND STUMPS
F91+50 RT

RELOCATE MAILBOX, SINGLE SUPPORT
F90+86 RT

REMOVING SIGNS
AS SHOWN - 9

CURVE (31)
DELTA = 6°11'09" LT
D = 1°25'57"
R = 4000.00'
T = 216.14'
L = 431.85'
E = 5.84'
BANK = NC





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 30

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_57

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 57 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F102+50 TO F103+08 SOLID LT
F102+50 TO F103+00 SOLID RT
F103+00 TO F103+20 SOLID RT (TH 3)
F103+08 TO F103+37 SOLID LT (TH 28)
F103+41 TO F103+87 SOLID RT (TH 3)
F103+59 TO F103+89 SOLID LT (TH 28)
F103+87 TO F108+50 SOLID RT
F103+89 TO F108+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F102+50 TO F103+28 SOLID LT & RT
F103+48 DOUBLE SOLID LT (TH 28) (21' LONG)
F103+31 TO F103+38 DOUBLE SOLID RT (TH 3)
F103+68 TO F108+50 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
F103+27 TO F103+48 LT (TH 28)
F103+39 TO F103+61 RT (TH 3)

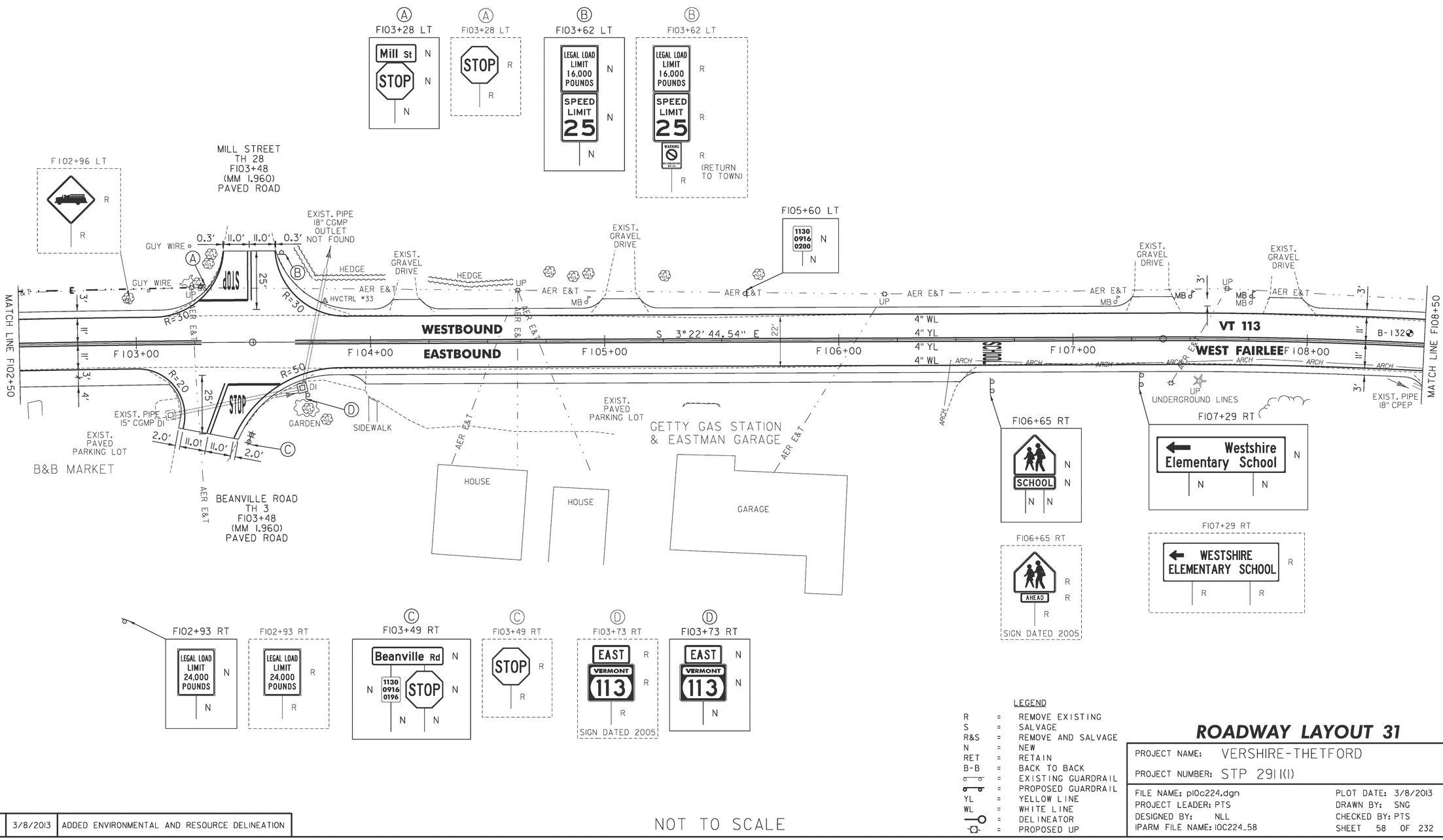
TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
F103+41 LT - "STOP" (TH 28)
F103+43 RT - "STOP" (TH 3)
F106+65 RT - "SCHOOL"

REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I
F103+71 RT

RELOCATE MAILBOX, SINGLE SUPPORT
F107+50 LT
F107+76 LT

REMOVING SIGNS
AS SHOWN - 12

T — HISTORIC DIST — HISTORIC DIST — HISTORIC DIST — HISTORIC DIST — HISTORIC DIST — HISTORIC DIST — HISTORIC DIST — HISTORIC DIST



NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 31

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_58
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 58 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F108+50 TO F111+85 SOLID RT
F108+50 TO F109+54 SOLID LT
F109+54 TO F109+86 SOLID LT (SCHOOL DRIVE)
F110+08 TO F110+32 SOLID LT (SCHOOL DRIVE)
F110+32 TO F114+50 SOLID LT
F112+65 TO F114+50 SOLID RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F108+50 TO F109+74 SOLID LT & RT
F109+94 TO F109+97 DOUBLE SOLID LT (SCHOOL DRIVE)
F110+14 TO F112+05 SOLID LT & RT
F112+45 TO F114+50 SOLID LT & RT
F112+25 TO F112+23 DOUBLE SOLID RT (TH 29)

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
F109+73 TO F109+93 LT (SCHOOL DRIVE)
F112+25 TO F112+48 RT (TH 29)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
F109+83 LT - "STOP" (SCHOOL DRIVE)
F112+32 RT - "STOP" (TH 29)

PORTLAND CEMENT
CONCRETE SIDEWALK, 5 INCH
F110+92 TO F111+04 RT (RAMP TYPE I)
F111+70 TO F111+78 RT (RAMP TYPE I)

DETECTABLE
WARNING SURFACE (DWS)
F110+93 RT
F111+77 RT

STEEL BEAM GUARDRAIL, GALVANIZED
F110+61.5 TO F110+99 LT
F111+94.5 TO F112+01.5 RT
F112+16 TO F112+66 LT

H.D. STEEL BEAM
GUARDRAIL, GALVANIZED
F110+77.5 TO F111+00 RT
F110+99 TO F111+24 LT
F111+70.5 TO F111+94.5 RT
F111+91 TO F112+16 LT

ANCHOR FOR STEEL BEAM RAIL
F110+61.5 LT
F110+77.5 RT
F112+01.5 RT
F112+66 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
F110+59 TO F111+24 LT
F110+73 TO F111+00 RT
F111+70.5 TO F111+91 RT
F111+91 TO F112+56 LT

DELINEATOR WITH STEEL POST
F110+61.5 LT
F112+66 LT

REMOVING SIGNS
AS SHOWN - 8

WESTSHIRE
ELEMENTARY SCHOOL

F109+30 LT
SPEED LIMIT 35 N
N

F109+70 LT
STOP R
R
SIGN DATED 2005

F109+70 LT
STOP N
N

SCHOOL DRIVE
F109+94
(MM 2.082)
PAVED ROAD

F110+83 LT
SPEED LIMIT 35 R
R
SIGN DATED 2005

F112+00 LT
BRIDGE 23 VT113 N
N

F113+14 LT
WESTSHIRE ELEMENTARY SCHOOL R
R R
SIGN DATED 2005

F113+14 LT
Westshire Elementary School N
N N

SEE BRIDGE DETAIL ON SHEET 22.

SEE GRASS ISLAND REMOVAL DETAIL THIS SHEET

CURVE (34)
DELTA = 5°50′05" LT
D = 1°54′35"
R = 3000.00′
T = 152.88′
L = 305.50′
E = 3.89′
BANK = 0.021

10.5′ 11.0′ 11.0′ 10.5′
STRIP
25′
R=30
R=25
EXIST. PIPE 18" CGMP
UP
UNDERGROUND LINES
GUY WIRE
AER E&T
HEADWALL
STONE WALL
TELEPHONE POLE
BRIDGE #23
F111+47
(2.111)
HISTORIC
ARCH
HVCTRL #34
MATCH LINE F108+50
MATCH LINE F114+50
WESTBOUND
EASTBOUND
4" WL
4" YL
4" YL
4" WL
T&E
ARCH
F109+00
F110+00
F111+00
F112+00
F113+00
F114+00
VT 113
WEST FAIRLEE
S 5°17′19.09" W
MB
BUILDING
PORCH
EXIST. GRAVEL DRIVE
EXIST. PIPE 18" CPEP
GARDEN UP
GUY WIRE
EXIST. GRAVEL DRIVE
EXIST. GRAVEL DRIVE
BUILDING

CURVE (33)
DELTA = 8°40′04" RT
D = 2°51′53"
R = 2000.00′
T = 151.57′
L = 302.56′
E = 5.74′
BANK = 0.029

F108+72 RT
SPEED LIMIT 35 N
N

F108+72 RT
SPEED LIMIT 35 R
R
SIGN DATED 2005

F110+95 RT
BRIDGE 23 VT113 N
N

CONSTRUCT CONCRETE RAMP TYPE I W/DWS

F111+04 TO F111+73 RT
USE ITEM 516.10
LONGITUDINALLY
ON BRIDGE 23 ALONG
THE SIDEWALK TO
ENCASE EXPOSED REBAR
PRIOR TO PAVING

CONSTRUCT CONCRETE RAMP TYPE I W/DWS

EXCAVATION OF SURFACES AND PAVEMENTS. PLACE 4" TOPSOIL, SEED, FERTILIZER, LIMESTONE AND TEMPORARY EROSION MATTING.

BACK STREET
TH 29
F112+25
(MM 2.126)
PAVED ROAD

STOP
57.0R
R=25
R=35

EXCAVATION OF SURFACES AND PAVEMENTS. PLACE 4" TOPSOIL, SEED, FERTILIZER, LIMESTONE AND TEMPORARY EROSION MATTING.

F112+38 RT
Back St N
STOP
N B-B
1130 0916 0213 N
N

F112+62 RT
STOP R
R
SIGN DATED 2005

F111+62 RT
BACK ST R
LEGAL LOAD LIMIT 24,000 POUNDS R
SPEED LIMIT 25 R
R

F111+62 RT
LEGAL LOAD LIMIT 24,000 POUNDS N
SPEED LIMIT 25 N
N

TH 29 | VT 113
15′ VARIES ISLAND 1′ EXISTING PAVEMENT
1½" TYPE IVS WEARING COURSE
1½" TYPE IVS WEARING COURSE
1½" TYPE IVS WEARING COURSE
½" TYPE IVS LEVEL COURSE
AREA TO BE COLD PLANED
1½" TYPE IIS BASE COURSE
3" COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT
8" RECLAIMED STABILIZED BASE
12" SUBBASE OF CRUSHED GRAVEL, FINE GRADED OR AS DIRECTED BY THE ENGINEER BASED ON FIELD CONDITIONS
LIMIT OF COMMON EXCAVATION

GRASS ISLAND REMOVAL DETAIL

NOT TO SCALE

LEGEND
R = REMOVE EXISTING
S = SALVAGE
R&S = REMOVE AND SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
= EXISTING GUARDRAIL
= PROPOSED GUARDRAIL
YL = YELLOW LINE
WL = WHITE LINE
= DELINEATOR
= PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 32

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

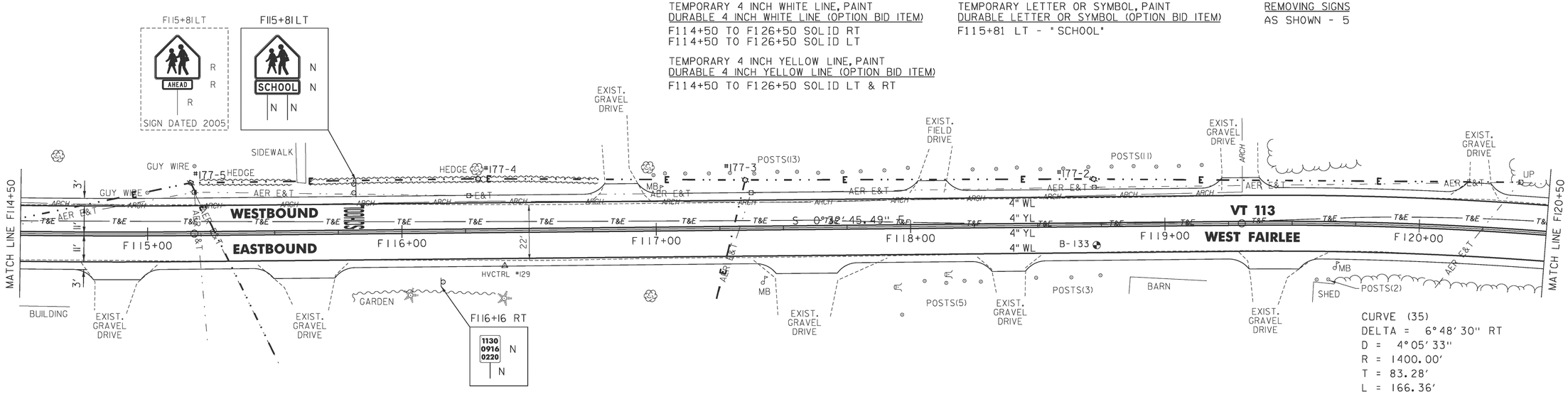
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_59
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 59 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F114+50 TO F126+50 SOLID RT
F114+50 TO F126+50 SOLID LT

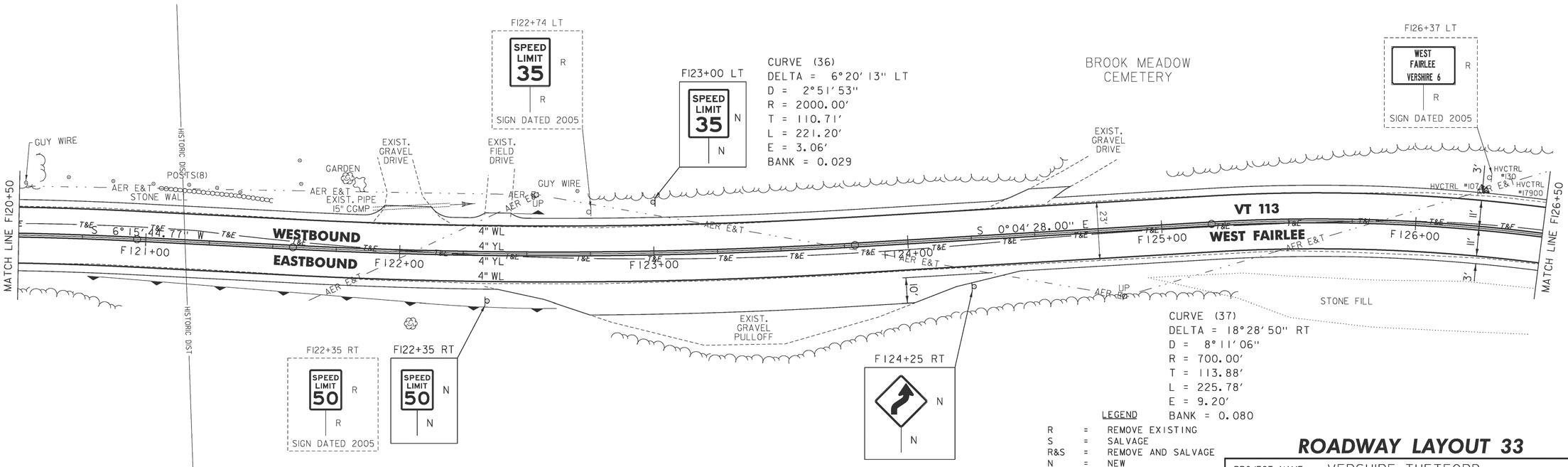
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F114+50 TO F126+50 SOLID LT & RT

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
F115+81 LT - "SCHOOL"

REMOVING SIGNS
AS SHOWN - 5



CURVE (35)
DELTA = 6°48'30" RT
D = 4°05'33"
R = 1400.00'
T = 83.28'
L = 166.36'
E = 2.47'
BANK = 0.039



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 33

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_60

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 60 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F126+50 TO F138+50 SOLID RT
F126+50 TO F138+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F126+50 TO F138+50 SOLID LT & RT

6 INCH UNDERDRAIN PIPE
F132+60 TO F136+00 RT
F137+50 TO F138+50 RT
F 132+40 TO F 128+50 RT

STONE FILL, TYPE I
GEOTEXTILE UNDER STONE FILL
~~F130+50~~ TO F137+00 RT

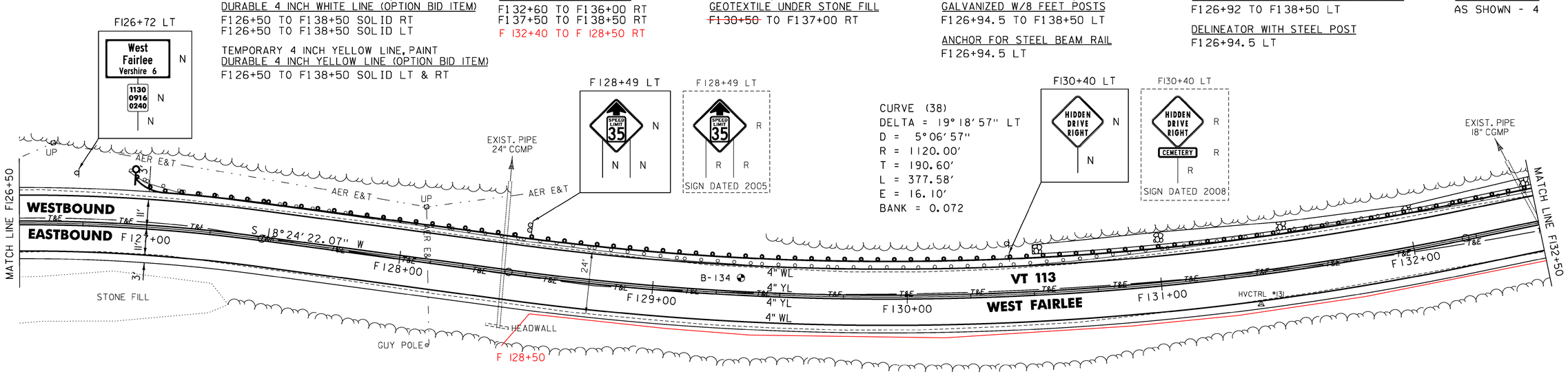
STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
F126+94.5 TO F138+50 LT

ANCHOR FOR STEEL BEAM RAIL
F126+94.5 LT

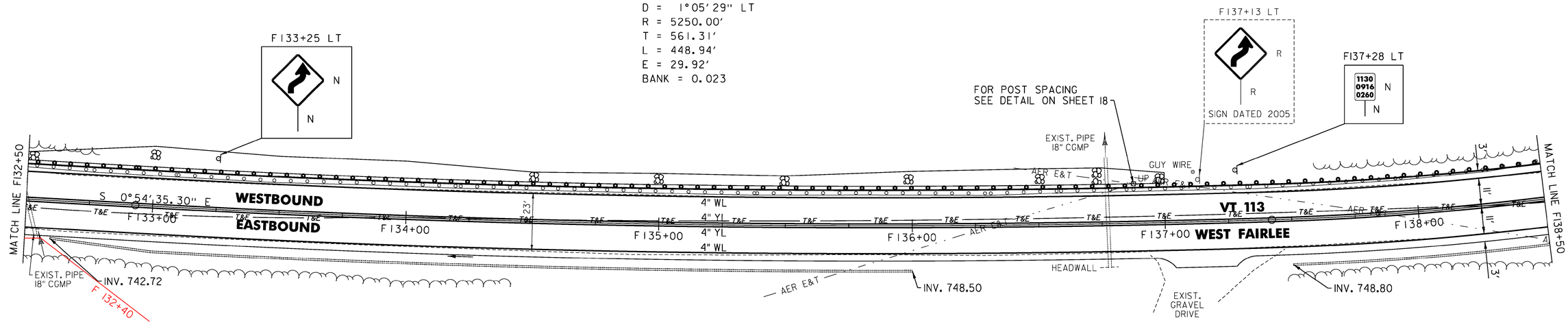
REMOVAL AND DISPOSAL OF GUARDRAIL
F126+92 TO F138+50 LT

DELINEATOR WITH STEEL POST
F126+94.5 LT

REMOVING SIGNS
AS SHOWN - 4



CURVE (39)
DELTA = 23°41'56"
D = 1°05'29" LT
R = 5250.00'
T = 561.31'
L = 448.94'
E = 29.92'
BANK = 0.023



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 34

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_61

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 61 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F138+50 TO F148+50 SOLID RT
F138+50 TO F148+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F138+50 TO F148+50 SOLID LT & RT

6 INCH UNDERDRAIN PIPE
F138+50 TO F139+30 RT
F139+45 TO F140+25 RT
F141 ~~+10~~ 96 TO F143+75 RT
~~F145+55~~ TO F148+50 RT
F 145+30
STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
F138+50 TO F138+69.5 LT

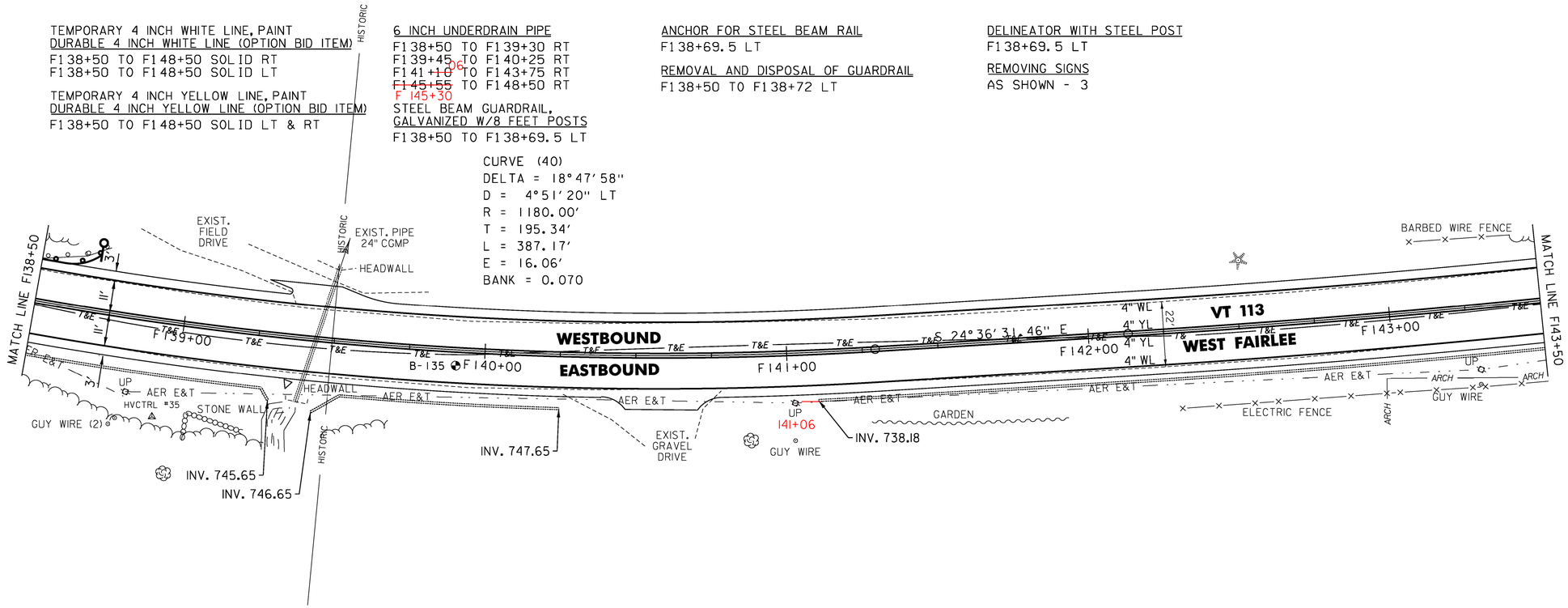
ANCHOR FOR STEEL BEAM RAIL
F138+69.5 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
F138+50 TO F138+72 LT

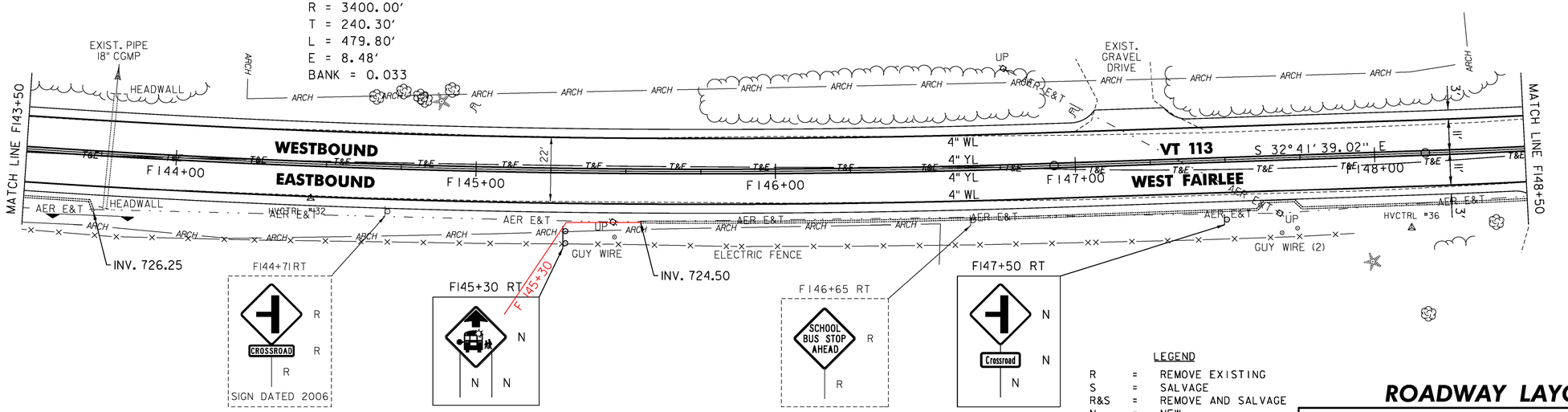
DELINEATOR WITH STEEL POST
F138+69.5 LT

REMOVING SIGNS
AS SHOWN - 3

CURVE (40)
DELTA = 18°47'58"
D = 4°51'20" LT
R = 1180.00'
T = 195.34'
L = 387.17'
E = 16.06'
BANK = 0.070



CURVE (41)
DELTA = 8°05'08" LT
D = 1°41'07"
R = 3400.00'
T = 240.30'
L = 479.80'
E = 8.48'
BANK = 0.033



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 35

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_62

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 62 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
F148+50 TO T5+50 SOLID RT
F148+50 TO T1+30 SOLID LT
T1+30 TO T2+07 SOLID LT (TH 1)
T2+30 TO T2+39 SOLID LT (TH 1)
T2+39 TO T5+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
F148+50 TO T1+63 SOLID LT & RT
T1+82 TO T2+19 DOUBLE SOLID LT (TH 1)
T2+03 TO T5+50 SOLID LT & RT

TEMPORARY 24" STOP BAR, PAINT
DURABLE 24" STOP BAR (OPTION BID ITEM)
T1+52 TO T1+82 LT (TH 1)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
T1+74 LT - "STOP" (TH 1)

6 INCH UNDERDRAIN PIPE
F~~148+50~~ 148+90 TO T0+04 RT

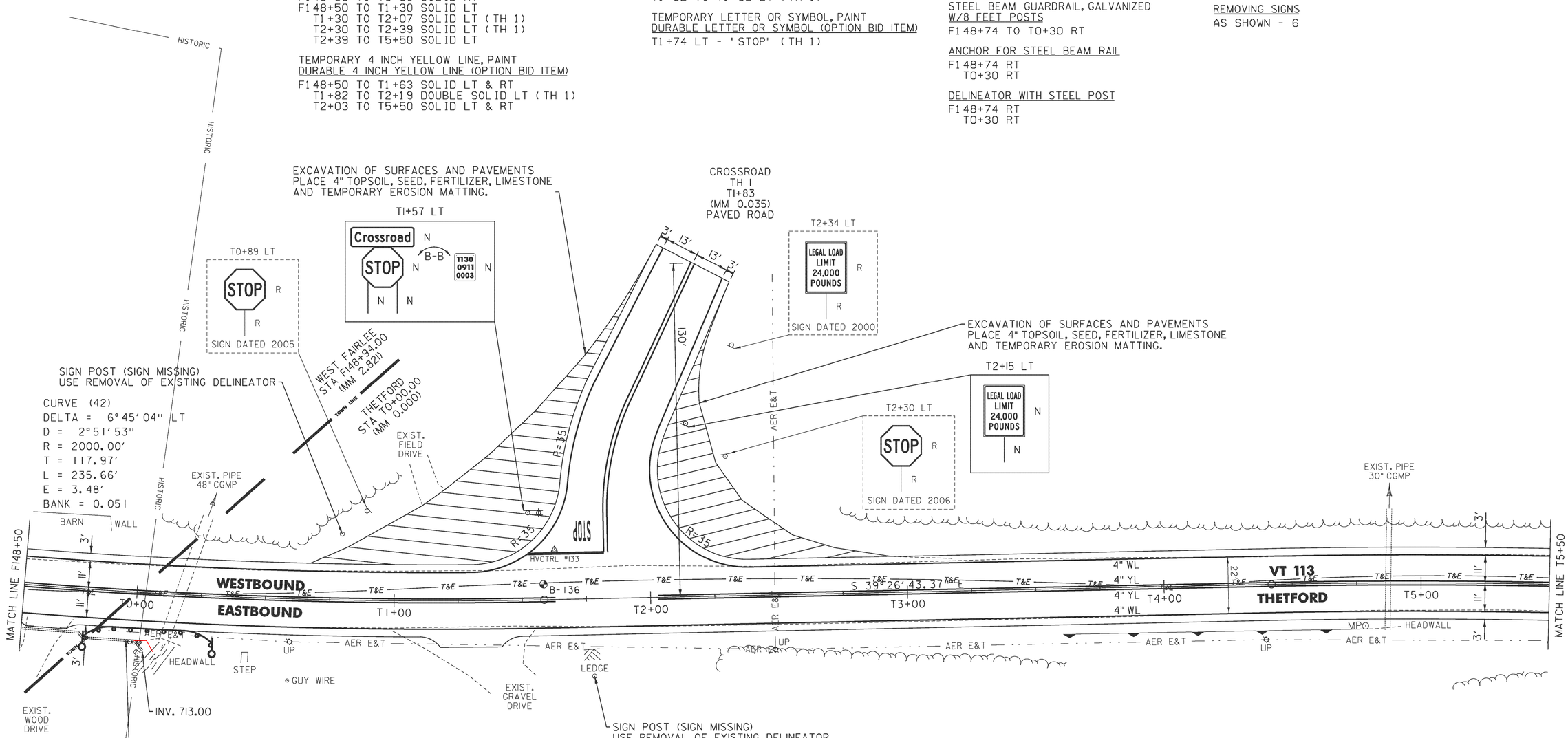
STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
F148+74 TO T0+30 RT

ANCHOR FOR STEEL BEAM RAIL
F148+74 RT
T0+30 RT

DELINEATOR WITH STEEL POST
F148+74 RT
T0+30 RT

REMOVAL OF EXISTING DELINEATOR
T0+80 LT
T1+75 RT

REMOVING SIGNS
AS SHOWN - 6



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 36

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

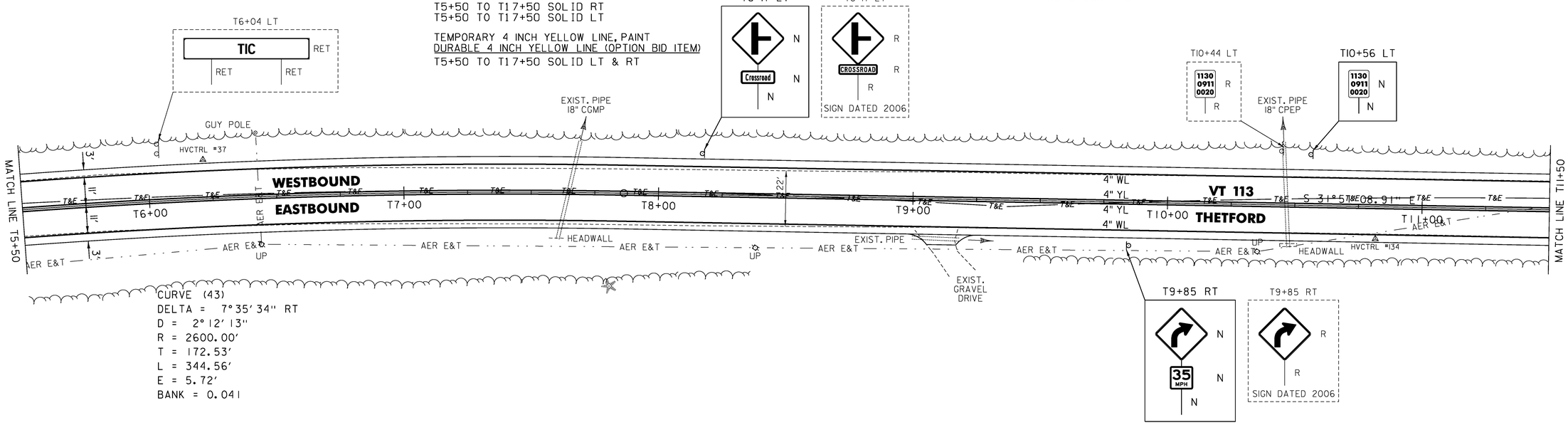
FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_63

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 63 OF 232

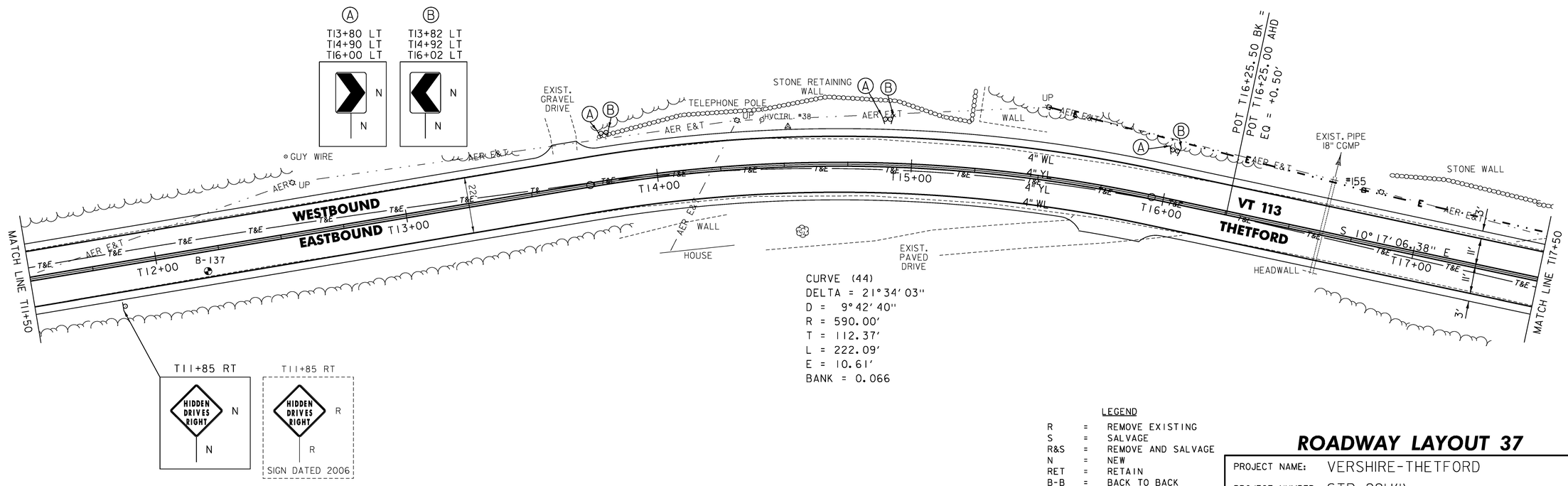
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
T5+50 TO T17+50 SOLID RT
T5+50 TO T17+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
T5+50 TO T17+50 SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 5



CURVE (43)
DELTA = 7°35'34" RT
D = 2°12'13"
R = 2600.00'
T = 172.53'
L = 344.56'
E = 5.72'
BANK = 0.041



CURVE (44)
DELTA = 21°34'03"
D = 9°42'40"
R = 590.00'
T = 112.37'
L = 222.09'
E = 10.61'
BANK = 0.066

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 37

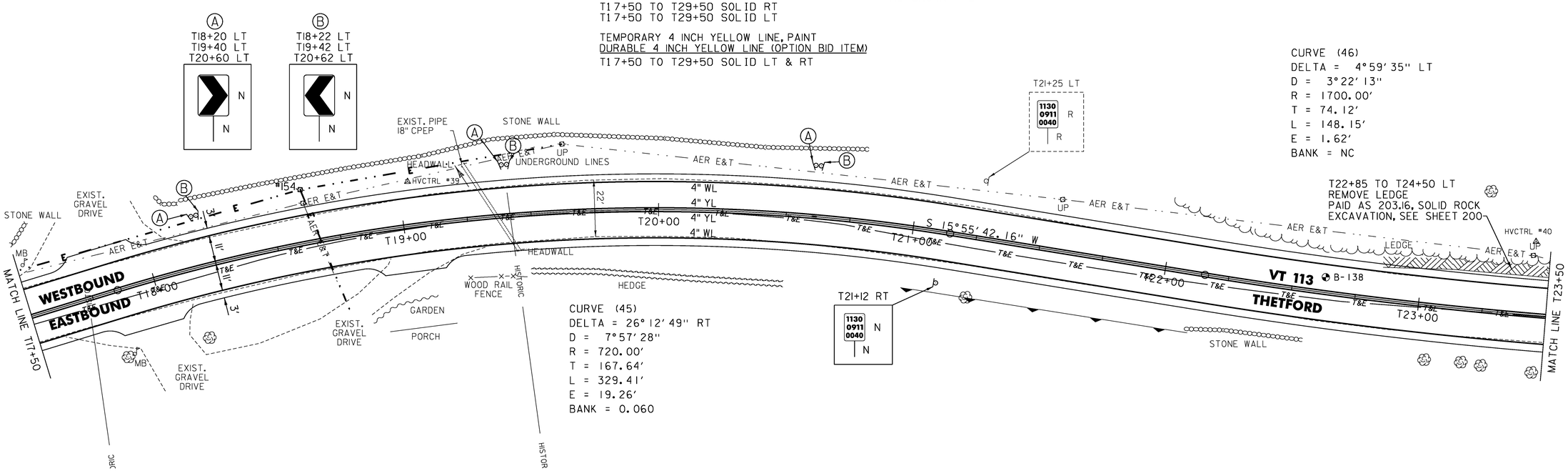
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_64
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 64 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
T17+50 TO T29+50 SOLID RT
T17+50 TO T29+50 SOLID LT

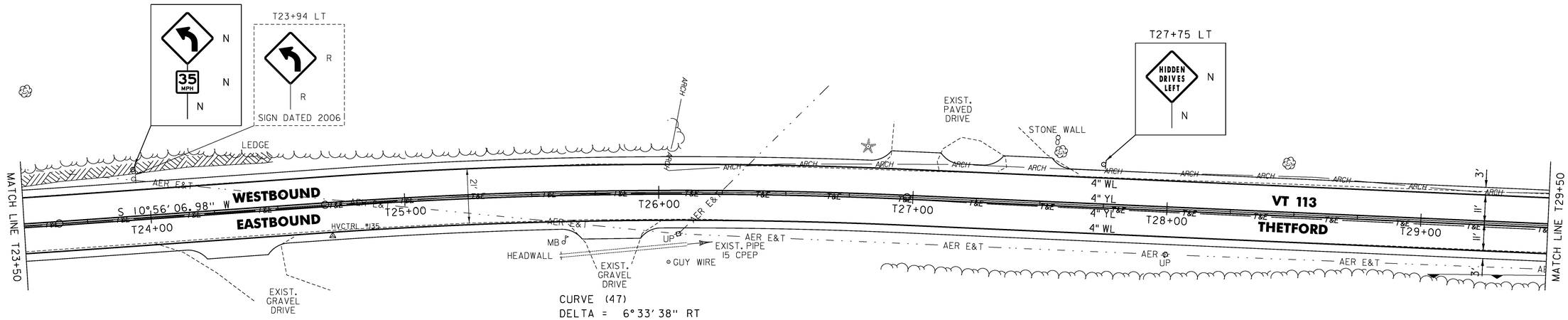
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
T17+50 TO T29+50 SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



CURVE (45)
DELTA = 26° 12' 49" RT
D = 7° 57' 28"
R = 720.00'
T = 167.64'
L = 329.41'
E = 19.26'
BANK = 0.060

CURVE (46)
DELTA = 4° 59' 35" LT
D = 3° 22' 13"
R = 1700.00'
T = 74.12'
L = 148.15'
E = 1.62'
BANK = NC



CURVE (47)
DELTA = 6° 33' 38" RT
D = 2° 51' 53"
R = 2000.00'
T = 114.63'
L = 229.01'
E = 3.28'
BANK = 0.051

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 38

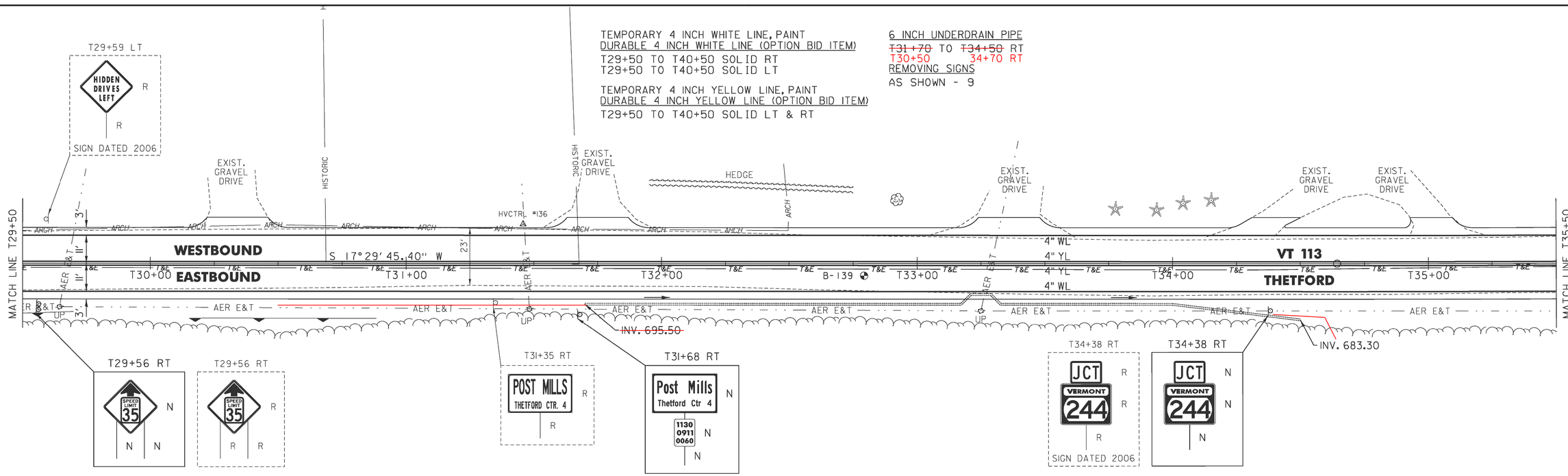
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

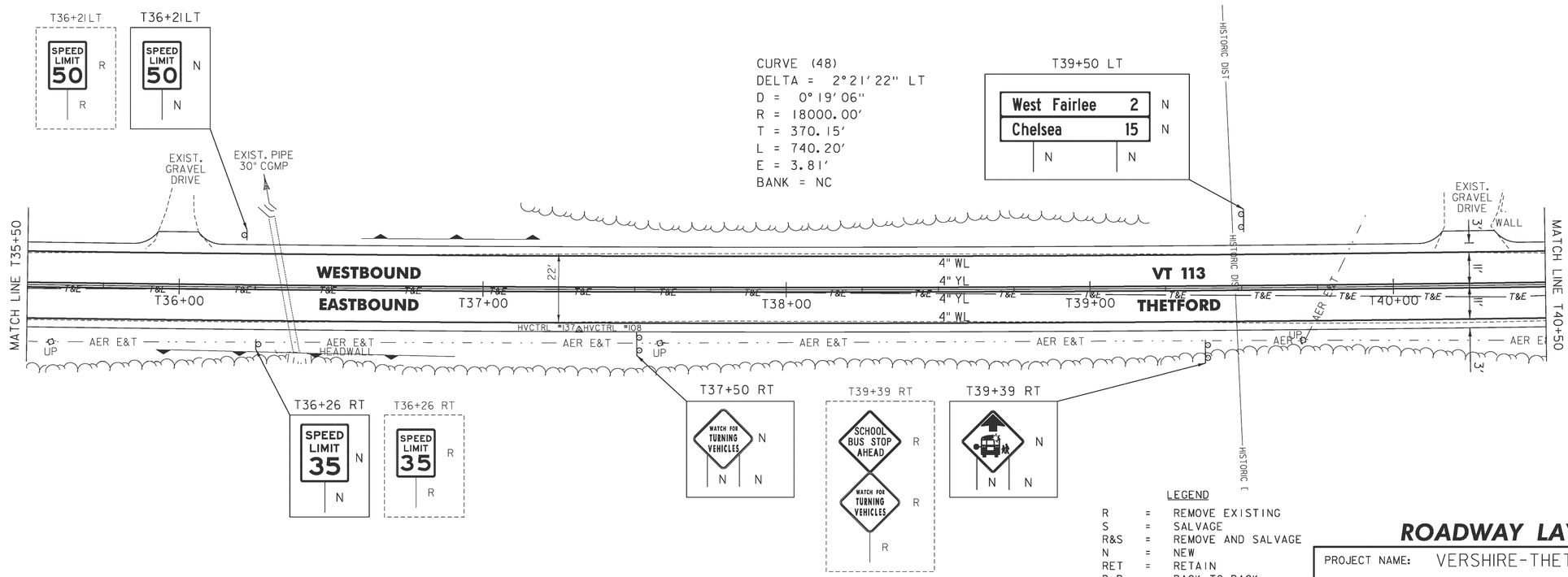
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_65
PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 65 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
T29+50 TO T40+50 SOLID RT
T29+50 TO T40+50 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
T29+50 TO T40+50 SOLID LT & RT

6 INCH UNDERDRAIN PIPE
~~T31+70~~ TO ~~T34+50~~ RT
T30+50 34+70 RT
REMOVING SIGNS
AS SHOWN - 9





LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

NOT TO SCALE

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 39

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_66

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 66 OF 232

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
T40+50 TO T42+93 SOLID RT
T40+50 TO T42+93 SOLID LT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
T40+50 TO T42+93 SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 13

T42+93.00 (MM 0.813)
END PROJECT
STP 2911(1)

HISTORIC DIST

T42+79 LT
HIDDEN DRIVE RIGHT R
R
SIGN DATED 2006

T42+79 LT
HIDDEN DRIVE RIGHT N
N

T43+36 LT
STOP RET
RET

VT 244 TO ELY

T43+97 LT
STOP RET
RET

T41+44 LT
WEST VERMONT 113 R
R

T41+44 LT
WEST VERMONT 113 N
N

T42+43
END 8" RECLAIM

WOOD POST WITH CHAIN FENCE

EXIST. GRAVEL DRIVE

WOOD POST WITH CHAIN FENCE

WOOD RAIL FENCE

3' ARCH ARCH ARCH

MB

B-140

AER E&T

EXIST. CONC BND VT/195I/S/176/4

MATCH LINE T40+50

WESTBOUND
EASTBOUND

4" WL
4" YL
4" YL
4" WL

22'

S 15°08'23.34" W

T&E

T41+00
T42+00
43+00
T44+00
T45+00

VT 113 TO THETFORD CTR.
THETFORD

HVCTRL #138
HVCTRL #141

GUY WIRE UP

AER E&T

HEADWALL
EXIST. PIPE 12" CGMP
HEADWALL

EXIST. GRAVEL DRIVE

EXIST. GRASS DRIVE

WOOD RAIL FENCE
GUY WIRE (2)

WOOD RAIL FENCE

T44+03 RT
RET
RET RET
SIGN DATED 2006

T42+24 RT
1130
0911
0080
N
N

CURVE (49)
DELTA = 4°38'29" RT
D = 4°24'27"
R = 1300.00'
T = 52.68'
L = 105.31'
E = 1.07'
BANK = MATCH EXIST.

T43+86 RT
N(6)
EAST EAST
VERMONT 244 VERMONT 113
N N

T43+86 RT
R(6)
EAST EAST
VERMONT 244 VERMONT 113
R R

T41+43 RT
N (4)
Thetford Ctr. 4
East Thetford 8
Lake Fairlee
Ely 6
N N

T41+43 RT
R (4)
THETFORD CTR. 4
EAST THETFORD 8
ELY 6
LAKE FAIRLEE
R R

HISTORIC DIST

NOT TO SCALE

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
	=	EXISTING GUARDRAIL
	=	PROPOSED GUARDRAIL
YL	=	YELLOW LINE
WL	=	WHITE LINE
	=	DELINEATOR
	=	PROPOSED UP

1	3/8/2013	ADDED ENVIRONMENTAL AND RESOURCE DELINEATION

ROADWAY LAYOUT 40

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_67

PLOT DATE: 3/8/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 67 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #1

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VERSHIRE	1130 0914 XXXX	16	6	10	6.72						16	X			X																VD-700 SEE SHEET 84 FOR LOCATIONS			E-138
WEST FAIRLEE	1130 0916 XXXX	12	6	10	5.04						12	X			X																VD-700 SEE SHEET 84 FOR LOCATIONS			E-138
THETFORD	1130 0911 XXXX	3	6	10	1.26						3	X			X																VD-700 SEE SHEET 84 FOR LOCATIONS			E-138
VERSHIRE I88+29 LT	North Rd	1	36	12	3.00						1		X		X																		86	
	STOP 1130 0914 0357	1 1	30 6	30 10	6.25 0.42																										RI-1 BACK TO BACK VD-700	X		E-138
I88+65 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1		X		X																VR-017			E-141
I94+59 RT	SPEED LIMIT 40	1	24	30	5.00						1		X		X																R2-1	X		
I94+82 LT	SPEED LIMIT 40	1	24	30	5.00						1		X		X																R2-1	X		
202+75 RT		1	30	30	6.25						1		X		X																W1-4R	X		
	30 MPH	1	18	18	2.25																										W13-1P	X		
212+65 RT	BRIDGE 11 VT113	1	6	10	0.42						1	X			X																VD-701		84	
213+35 LT	BRIDGE 11 VT113	1	6	10	0.42						1	X			X																VD-701		84	
213+91 RT		1	48	24	8.00						2		X		X																W1-6L	X		
213+98 RT		1	48	24	8.00						2		X		X																W1-6R	X		
												FT 264	FT 135	FT		EA	LB	LB	LB		LB	LB	LB	LB									
SHEET TOTALS		SF 63.03	SF	EA.	SF							FT 399					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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_68

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 68 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #2

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL		
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	SQUARE STEEL (in)			ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in)			FOUNDATION	TUBULAR STEEL Ø (in)				W-SHAPE STEEL				SIGNS REQUIRED		SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.75	2.0	2.5			3.0	4.0	4.0 MOD		3.0	3.5	4.0	5.0	FTG. SIZE 24"	FTG. SIZE 30"	WEIGHT	POST SIZE					
												lb/ft					lb/ft				lb/ft											
												1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
217+00 LT		1	30	30	6.25						1		X		X														WI-4R	X		
	30 MPH	1	18	18	2.25																								WI3-IP	X		
219+33 RT	SPEED LIMIT 40	1	24	30	5.00						1		X		X														R2-1	X		
223+06 LT	SPEED LIMIT 40	1	24	30	5.00						1		X		X														R2-1	X		
224+90 RT		1	30	30	6.25						1		X		X														WI-5R	X		
	30 MPH	1	18	18	2.25																								WI3-IP	X		
231+25 RT		1	48	24	8.00						2		X		X														WI-6L	X		
231+25 RT		1	48	24	8.00						2		X		X														WI-6R	X		
231+25 LT	SPEED LIMIT 40	1	30	36	7.50						1		X		X														R2-1	X		
231+75 RT	Darling Hill Rd	1	57	12	4.75						2		X		X																86	
	1130 0914 0439 STOP	1 1	6 30	10 30	0.42 6.25																								VD-700 R1-1 MOUNT ON SEPARATE POSTS	X		E-138
232+50 RT	SPEED LIMIT 50	1	24	30	5.00						1		X		X														R2-1	X		
235+01 LT	Vershire Chelsea 7	1	30	18	3.75						1		X		X														VD-018		87	
238+28 LT	SPEED LIMIT 40	1	36	36	9.00						2		X		X														W3-5	X		
242+50 LT	$500 FINE FOR THROWING TRASH ON HIGHWAYS AND STREAMS	1	24	30	5.00						1		X		X														VR-023b			E-144
SHEET TOTALS		SF	SF	EA.	SF							FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB					
		84.67										0	240																			
													240					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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

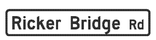
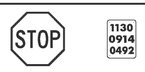
FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_69

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 69 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #3

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL		
												SQUARE STEEL (in)					TUBULAR ALUMINUM Ø (in)				TUBULAR STEEL Ø (in)					W-SHAPE STEEL							
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE 24"	FTG. SIZE 30"	WEIGHT	POST SIZE	SIGNS REQUIRED		SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												lb/ft					lb/ft				lb/ft											
												1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
244+02 LT		1	30	30	6.25						1		X		X														WI-5R		X		
		1	18	18	2.25																								WI3-IP		X		
250+15 RT		1	6	10	0.42						1	X			X														VD-701			84	
250+70 LT		1	6	10	0.42						1	X			X														VD-701			84	
256+00 RT		1	36	36	9.00						2		X		X														WI-1MeL			87	
		1	24	24	4.00																								WI3-IP		X		
259+00 RT		1	18	24	3.00						1		X		X														WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING		X		
259+44 RT		1	24	30	5.00						1		X		X														VR-017				E-141
259+46 LT		1	66	12	5.50						2		X		X																	86	
		1	30	30	6.25																								RI-1		X		
259+76 LT		1	24	30	5.00						1		X		X														VR-017				E-141
259+76 RT		1	39	12	3.25						1		X		X																	86	
		1 1	30 6	30 10	6.25 0.42																								RI-1 VD-700	BACK TO BACK	X		E-138
												FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB						
												16	150																				
SHEET TOTALS		SF 60.01	SF	EA.	SF							FT 166					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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_70

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 70 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #4

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL		
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	SQUARE STEEL (in)			ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in)			FOUND-ATION	TUBULAR STEEL Ø (in)				W-SHAPE STEEL				SIGNS REQUIRED		SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.75	2.0	2.5			3.0	4.0	4.0 MOD		3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE					
												lb/ft					lb/ft				lb/ft				24"	30"							
												1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
260+55 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
260+55 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
260+80 RT	BRIDGE 16 VT113	1	6	10	0.42						1	X			X														VD-701			84	
261+00 LT	BRIDGE 16 VT113	1	6	10	0.42						1	X			X														VD-701			84	
261+35 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
261+35 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
262+43 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
262+43 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
263+23 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
263+33 RT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
264+15 LT		1	36	36	9.00						2		X		X														WI-IMeR			87	
	25 MPH	1	24	24	4.00																								WI3-IP		X		
269+25 RT		1	30	30	6.25						1		X		X														WI-2R		X		
	35 MPH	1	18	18	2.25																								WI3-IP		X		
SHEET TOTALS		SF 46.34	SF	EA.	SF							FT 16	FT 165	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB						
												FT 181					LB			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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

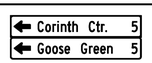
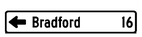
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_71

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 71 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #5

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN TO BE REMOVED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
272+00 LT		1	18	24	3.00						1		X		X															WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
272+02 LT		1	18	24	3.00						1		X		X															WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
272+25 RT		1	6	10	0.42						1	X			X															VD-701		84	
272+95 LT		1	6	10	0.42						1	X			X															VD-701		84	
273+20 LT		1	18	24	3.00						1		X		X															WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
273+22 LT		1	18	24	3.00						1		X		X															WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
274+40 LT		1	18	24	3.00						1		X		X															WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
274+42 LT		1	18	24	3.00						1		X		X															WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
276+00 LT		1	30	30	6.25						1		X		X															WI-2L	X		
		1	18	18	2.25																									WI3-IP	X		
277+50 RT		1 1	72 72	12 12	6.00 6.00						2									2	152.0									VDI-1A VDI-1A		85 85	
		1	72	12	6.00																									VDI-1A		85	
278+50 LT		1	24	12	2.00						1		X		X															M3-4 GREEN ON WHITE	X		
		1	30	24	5.00																									MI-5			E-136B
SHEET TOTALS		SF 52.34	SF	EA.	SF							FT 16	FT 120	FT		EA	LB	LB	LB	EA 2	LB 152.0	LB	LB	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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_72

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 72 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #6

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN TO BE REMOVED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
280+84 LT	Eagle Hollow Rd	2	63	12	5.25						1		X		X																	86	
	1130 0914 0532 STOP	1 1	6 30	10 30	0.42 6.25																										VD-700 RI-1 MOUNT ON SEPARATE POSTS	X		E-138
281+28 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1		X		X																VR-017			E-141
283+50 RT	EAST	1	24	12	2.00						1		X		X																M3-2 GREEN ON WHITE	X		
	VERMONT 113	1	30	24	5.00																										MI-5			E-136B
285+12 LT	Corinth Ctr. 5 Goose Green 5	1 1	72 72	12 12	6.00 6.00						2										2	152.0									VDI-1A VDI-1A		85 85	
	Bradford 16 1130 0914 0540	1 1	72 6	12 10	6.00 0.42																										VDI-1A VD-700		85	E-138
297+40 LT	BRIDGE 18 VT113	1	6	10	0.42						1	X			X																VD-701		84	
297+50 RT	BRIDGE 18 VT113	1	6	10	0.42						1	X			X																VD-701		84	
308+00 RT		1	30	30	6.25						1		X		X																WI-1R	X		
	25 MPH	1	18	18	2.25																										WI3-1P	X		
310+40 RT	BRIDGE 19 VT113	1	6	10	0.42						1	X			X																VD-701		84	
311+45 LT	BRIDGE 19 VT113	1	6	10	0.42						1	X			X																VD-701		84	
312+00 LT		1	48	24	8.00						2		X		X																WI-6R	X		
312+50 LT		1	48	24	8.00						2		X		X																WI-6RL	X		
												FT 32	FT 120	FT		EA	LB	LB	LB		LB 152.0	LB	LB	LB									
SHEET TOTALS		SF 68.52	SF	EA.	SF							FT 152					LB			EA. 2	LB 152.0				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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #6

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_73

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 73 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #7

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN TO BE REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
316+00 LT		1	30	30	6.25						1		X		X																WI-1L	X		
	25 MPH	1	18	18	2.25																										WI3-1P	X		
343+70 RT		1	36	36	9.00						2		X		X																WI-10L	X		
	Kingdom Rd	1	36	8	2.00																										WI6-8P		87	
347+84 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1		X		X																VR-017			E-141
348+08 RT	Kingdom Rd	2	48	12	4.00						2		X		X																		86	
	1130 0914 0659 STOP	1 1	6 30	10 30	0.42 6.25																										VD-700 RI-1 MOUNT ON SEPARATE POSTS	X		E-138
376+75 RT	BRIDGE 20 VT113	1	6	10	0.42						1	X			X																VD-701		84	
377+05 LT	BRIDGE 20 VT113	1	6	10	0.42						1	X			X																VD-701		84	
396+00 RT		1	36	36	9.00						2		X		X																WI-10R	X		
	35 MPH	1	18	18	2.25																										WI3-1P	X		
398+73 LT		1	18	24	3.00						1		X		X																WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
398+74 LT		1	18	24	3.00						1		X		X																WI-8 ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
399+00 RT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1		X		X																VW-054			E-154

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."

	SF	SF	EA.	SF		FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB
SHEET TOTALS	59.51					16	165														
						FT 181					LB			EA.	LB				EA.	EA.	LB

TRAFFIC SIGN SUMMARY SHEET #7

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

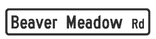
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_74

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 74 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #8

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
400+07 LT		1	18	24	3.00						1		X		X															WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
400+08 LT		1	18	24	3.00						1		X		X															WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
400+60 RT		1	6	10	0.42						1	X			X															VD-701			84	
400+87 LT		1	18	24	3.00						1		X		X															WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
400+88 LT		1	18	24	3.00						1		X		X															WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
400+90 LT		1	6	10	0.42						1	X			X															VD-701			84	
401+01 LT		2	66	12	5.50						2		X		X																		86	
		1 1	6 30	10 30	0.42 6.25																									VD-700 RI-1	MOUNT ON SEPARATE POSTS	X		E-138
401+09 LT		1	24	30	5.00						1		X		X															VR-017				E-141
402+10 RT		1	6	10	0.42						1	X			X															VD-701			84	
402+24 LT		1	18	24	3.00						1		X		X															WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
402+25 LT		1	18	24	3.00						1		X		X															WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
402+80 LT		1	6	10	0.42						1	X			X															VD-701			84	
405+25 LT		1	36	36	9.00						2		X		X															WI-10L		X		
		1	18	18	2.25																									WI3-1P		X		

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."

	SF	SF	EA.	SF	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB
SHEET TOTALS	48.10				32	165														
					FT 197					LB			EA.	LB				EA.	EA.	LB

TRAFFIC SIGN SUMMARY SHEET #8

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_75

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 75 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #9

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	FTG. SIZE 30"	WEIGHT	POST SIZE	SIGN TO BE REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
WEST FAIRLEE 408+20 RT F0+00 RT	West Fairlee / Vershire	1	72	10	5.00						2		X		X																VD-024		87	
	1130 0916 0000 / 1130 0914 0773	1 1	6 6	10 10	0.42 0.42																										VD-700 VD-700			E-138 E-138
FI7+83 RT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1		X		X																VW-054			E-154
F23+00 RT		1	30	30	6.25						1		X		X																WI-2L	X		
F29+90 LT		1	30	30	6.25						1		X		X																WI-2R	X		
F58+22 RT	SPEED LIMIT 40	1	36	36	9.00						2		X		X																W3-5	X		
F62+05 LT	SPEED LIMIT 50	1	24	30	5.00						1		X		X																R2-1	X		
F62+05 RT	SPEED LIMIT 40	1	30	36	7.50						1		X		X																R2-1	X		
F63+69 RT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1		X		X																VW-054			E-154
F72+66 RT		1	30	30	6.25						1		X		X																WII-6H FOLDING/HINGED SEE STANDARD E-153 FOR HINGE DETAIL	X		
F79+83 RT	West Fairlee Post Mills 2	1	30	18	3.75						1		X		X																VD-018		87	
F83+76 LT		1	30	30	6.25						1		X		X																WII-6H FOLDING/HINGED SEE STANDARD E-153 FOR HINGE DETAIL	X		
F85+93 RT	SPEED LIMIT 35	1	30	36	7.50						1		X		X																R2-1	X		

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."

	SF	SF	EA.	SF		FT 0	FT 210	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB
SHEET TOTALS	76.09						FT 210				LB			EA.		LB			EA.	EA.	LB

TRAFFIC SIGN SUMMARY SHEET #9

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_76

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 76 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #10

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL		
												SQUARE STEEL (in)					TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL							
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE 24"	FTG. SIZE 30"	WEIGHT	POST SIZE	SIGNS REQUIRED		SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												lb/ft					lb/ft				lb/ft											
												1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
F85+95 LT	SPEED LIMIT 40	1	24	30	5.00						1		X		X														R2-1		X		
F90+15 RT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1		X		X														VW-054				E-154
F93+63 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1		X		X														VR-017				E-141
F93+89 RT	Austin Rd	1	39	12	3.25						1		X		X																	86	
	STOP 1130 0916 0178	1 1	30 6	30 10	6.25 0.42																								RI-1 VD-700 BACK TO BACK		X		E-138
F96+00 RT		1	30	30	6.25						1		X		X														WII-8		X		
F96+87 LT	WEST	1	24	12	2.00						1		X		X														M3-4 GREEN ON WHITE		X		
	VERMONT 113	1	30	24	5.00																								MI-5				E-136B
F98+14 RT	SPEED LIMIT 35	1	24	30	5.00						1		X		X														R2-1		X		
F99+62 LT	SPEED LIMIT 35	1	24	30	5.00						1		X		X														R2-1		X		
F101+95 LT		1	30	30	6.25						1		X		X														WII-8		X		
F102+93 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1		X		X														VR-017				E-141
F103+28 LT	Mill St	1	27	12	2.25						1		X		X																	86	
	STOP	1	30	30	6.25																								RI-1		X		
SHEET TOTALS		SF 69.17	SF	EA.	SF						FT 0	FT 165	FT		EA	LB	LB	LB		LB	LB	LB	LB	EA.	EA.	LB						
											FT 165					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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #10

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_77

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 77 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #11

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																SIGN DETAIL		
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	SQUARE STEEL (in)			ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in)			FOUNDATION	TUBULAR STEEL Ø (in)				W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGNS REQUIRED	REMARKS	SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.75	2.0	2.5			3.0	4.0	4.0 MOD		3.0	3.5	4.0	5.0	24"	30"						
												lb/ft					lb/ft				lb/ft											
												1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
F103+49 RT	Beanville Rd	1	48	12	4.00						2		X		X																86	
	1130 0916 0196 STOP	1 1	6 30	10 30	0.42 6.25																									VD-700 RI-1 MOUNT ON SEPARATE POSTS	X		E-138
F103+62 LT	LEGAL LOAD LIMIT 16,000 POUNDS	1	24	30	5.00						1		X		X															VR-017			E-141
	SPEED LIMIT 25	1	24	30	5.00																									R2-1	X		
F103+73 RT	EAST	1	24	12	2.00						1		X		X															M3-2 GREEN ON WHITE	X		
	VERMONT 113	1	30	24	5.00																									M1-5			E-136B
F106+65 RT		1	36	36	9.00						2		X		X															S1-1 FLUORESCENT YELLOW GREEN	X		
	SCHOOL	1	36	12	3.00																									S4-3P FLUORESCENT YELLOW GREEN	X		
F107+29 RT	Westshire Elementary School	1	72	20	10.00						2		X		X															VD2-1S		87	
F108+72 RT	SPEED LIMIT 35	1	24	30	5.00						1		X		X															R2-1	X		
F109+30 LT	SPEED LIMIT 35	1	24	30	5.00						1		X		X															R2-1	X		
F109+70 LT	STOP	1	30	30	6.25						1		X		X															RI-1	X		
F110+95 RT	BRIDGE 23 VT113	1	6	10	0.42						1	X			X															VD-701		84	
F111+62 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1		X		X															VR-017			E-141
	SPEED LIMIT 25	1	24	30	5.00																									R2-1	X		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."												FT 8	FT 180	FT		EA	LB	LB	LB		LB	LB	LB	LB								
SHEET TOTALS		SF 76.34			SF	EA.	SF					FT 188					LB			EA.	LB				EA.	EA.	LB					

TRAFFIC SIGN SUMMARY SHEET #11

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_78

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 78 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #12

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
FI12+00 LT	BRIDGE 23 VT113	I	6	10	0.42						I	X			X																VD-701		84	
FI12+38 RT	Back St	I	33	12	2.75						I		X		X																		86	
	STOP 1130 0916 0213	I I	30 6	30 10	6.25 0.42																										RI-1 VD-700 BACK TO BACK	X		E-138
FI13+14 LT	Westshire Elementary School →	I	72	20	10.00						2		X		X																VD2-1S		87	
FI15+81 LT		I	36	36	9.00						2		X		X																S1-1 FLUORESCENT YELLOW GREEN	X		
	SCHOOL	I	36	12	3.00																										S4-3P FLUORESCENT YELLOW GREEN	X		
FI22+35 RT	SPEED LIMIT 50	I	24	30	5.00						I		X		X																R2-1	X		
FI23+00 LT	SPEED LIMIT 35	I	30	36	7.50						I		X		X																R2-1	X		
FI24+25 RT		I	30	30	6.25						I		X		X																W1-4R	X		
FI26+72 LT	West Fairlee Vershire 6	I	30	18	3.75						I		X		X																VD-018		87	
	1130 0916 0240	I	6	10	0.42																										VD-700			E-138
FI28+49 LT	SPEED LIMIT 35	I	36	36	9.00						2		X		X																W3-5	X		
FI30+40 LT	HIDDEN DRIVE RIGHT	I	30	30	6.25						I		X		X																VW-054			E-154
FI33+25 LT		I	30	30	6.25						I		X		X																W1-4R	X		
SHEET TOTALS		SF 76.26	SF	SF	EA.	SF						FT 8	FT 195	FT		EA	LB	LB	LB	EA.	LB	LB	LB	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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #12

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_79

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 79 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #13

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
F145+30 RT		1	36	36	9.00						2		X		X															S3-1 FLUORESCENT YELLOW GREEN	X		
F147+50 RT		1	30	30	6.25						1		X		X															W2-2	X		
	Crossroad	1	21	8	1.17																									W16-8p		87	
THETFORD F148+94 RT TO+00 RT	Thetford / West Fairlee	1	72	10	5.00						2		X		X															VD-024		87	
	1130 0911 0000 / 1130 0916 0282	1 1	6 6	10 10	0.42 0.42																									VD-700 VD-700			E-138 E-138
T1+57 LT	Crossroad	1	39	12	3.25						2		X		X																	86	
	STOP / 1130 0911 0003	1 1	36 6	36 10	9.00 0.42																									RI-1 VD-700 BACK TO BACK	X		E-138
T2+15 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1		X		X															VR-017			E-141
T8+17 LT		1	30	30	6.25						1		X		X															W2-2	X		
	Crossroad	1	21	8	1.17																									W16-8p		87	
T9+85 RT		1	30	30	6.25						1		X		X															W1-2R	X		
	35 MPH	1	18	18	2.25																									W13-1P	X		
T11+85 RT	HIDDEN DRIVES RIGHT	1	30	30	6.25						1		X		X															VW-054			E-154
SHEET TOTALS					SF 62.10	SF	EA.	SF				FT 0	FT 165	FT		EA	LB	LB	LB	EA.	LB	LB	LB	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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #13

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_80
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 80 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #14

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL		
												SQUARE STEEL (in)					TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)					W-SHAPE STEEL							
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE 24"	FTG. SIZE 30"	WEIGHT	POST SIZE	SIGN REQUIRED		SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												lb/ft					lb/ft				lb/ft											
												1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
T13+80 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T13+82 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T14+90 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T14+92 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T16+00 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T16+02 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T18+20 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T18+22 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T19+40 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T19+42 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T20+60 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T20+62 LT		1	18	24	3.00						1		X		X														WI-8	ASTM TYPE IX FLUORESCENT YELLOW SHEETING	X		
T23+94 LT		1	30	30	6.25						1		X		X														WI-2L		X		
	35 MPH	1	18	18	2.25																								WI3-IP		X		
SHEET TOTALS		SF 44.50	SF	EA.	SF		FT 0	FT 195	FT		EA	LB	LB	LB			EA.	LB	LB	LB	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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #14

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_81

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 81 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #15

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
T27+75 LT	HIDDEN DRIVES LEFT	1	30	30	6.25						1		X		X																VW-133			E-154
T29+56 RT	SPEED LIMIT 35	1	36	36	9.00						2		X		X																W3-5	X		
T31+68 RT	Post Mills Thetford Ctr 4	1	30	18	3.75						1		X		X																VD-018		87	
	1130 0911 0060	1	6	10	0.42																										VD-700			E-138
T34+38 RT	JCT	1	21	15	2.19						1		X		X																M2-1 GREEN ON WHITE	X		
	VERMONT 244	1	30	24	5.00																										MI-5			E-136B
T36+21 LT	SPEED LIMIT 50	1	24	30	5.00						1		X		X																R2-1	X		
T36+26 RT	SPEED LIMIT 35	1	30	36	7.50						1		X		X																R2-1	X		
T37+50 RT	WATCH FOR TURNING VEHICLES	1	36	36	9.00						2		X		X																VW-205			E-154
T39+39 RT		1	36	36	9.00						2		X		X																S3-1 FLUORESCENT YELLOW GREEN	X		
T39+50 LT	West Fairlee 2 Chelsea 15	1 1	72 72	12 12	6.00 6.00						2		X		X																VD2-1 VD2-1		85 85	
T41+43 RT	↑ Thetford Ctr. 4 ↑ East Thetford 8	1 1	72 72	12 12	6.00 6.00						2										2	167.2									VD1-1A VD1-1A		85 85	
	← Lake Fairlee ← Ely 6	1 1	72 72	12 12	6.00 6.00																										VD1-1 VD1-1A		85 85	

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."

									FT 0	FT 195	FT		EA	LB	LB	LB		LB 167.2	LB	LB	LB													
SHEET TOTALS	SF 93.11	SF	EA.	SF					FT 195					LB			EA. 2		LB 167.2			EA.	EA.	LB											

TRAFFIC SIGN SUMMARY SHEET #15

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_82

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 82 OF 232

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET #16

SHSM = FHWA 2004 STANDARD HIGHWAY SIGNS AND MARKINGS BOOK AND THE 2012 SUPPLEMENT TO THE 2004 EDITION

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGNS REQUIRED	REMARKS	SIGN DETAIL SHSM	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
T41+44 LT	WEST	1	24	12	2.00						1		X		X															1	M3-4 GREEN ON WHITE	X		
	VERMONT 113	1	30	24	5.00																										MI-5			E-136B
T42+79 LT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1		X		X																VW-054			E-154
T43+86 RT	EAST EAST	1 1	24 24	12 12	2.00 2.00						2										2	171.0							2	M3-2 GREEN ON WHITE M3-2 GREEN ON WHITE	X X		
	VERMONT 244 VERMONT 113	1 1	30 30	24 24	5.00 5.00																										MI-5 MI-5			E-136B E-136B
		1 1	21 21	15 15	2.19 2.19																										M6-1 GREEN ON WHITE M6-3 GREEN ON WHITE	X X		
	SUBTOTAL SHEET 68 SUBTOTAL SHEET 69 SUBTOTAL SHEET 70 SUBTOTAL SHEET 71				63.03 84.67 60.01 46.34						264 16 16	135 240 150 165																						
	SUBTOTAL SHEET 72 SUBTOTAL SHEET 73 SUBTOTAL SHEET 74 SUBTOTAL SHEET 75				52.34 68.52 59.51 48.10						16 32 16 32	120 120 165 165									2 2	152.0 152.0												
	SUBTOTAL SHEET 76 SUBTOTAL SHEET 77 SUBTOTAL SHEET 78 SUBTOTAL SHEET 79				76.09 69.17 76.34 76.26						 8 8	210 165 180 195																						
	SUBTOTAL SHEET 80 SUBTOTAL SHEET 81 SUBTOTAL SHEET 82 SUBTOTAL SHEET 83				62.10 44.50 93.11 31.63							165 195 195 30									2 2	167.2 171.0												
	ROUNDING				8.28							37										7.80											
											FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB									
	PROJECT TOTALS				SF 1020	SF	EA.	SF				FT 3040					LB			EA. 8	LB 650				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 VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #16

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_83

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 83 OF 232

GENERAL NOTES

SIGN DESIGN AND FABRICATION NOTES

1. ALL SIGNS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST REVISION OF THE 2009 MUTCD, THE 2004 STANDARD HIGHWAY SIGNS AND MARKINGS (SHSM), AND THE 2012 SUPPLEMENT TO THE 2004 EDITION (SHSM) DETAILS AS AVAILABLE, VAOT STANDARDS OR AS DETAILED IN THE PLANS.
2. ALL LETTERS AND NUMBERS USED FOR ALL SIGNS SHALL CONFORM TO THE APPLICABLE FONT AS DEFINED AND DETAILED IN THE 2004 SHSM AND THE 2012 SUPPLEMENT.
3. ALL ARROWS AND SYMBOLS SHALL CONFORM WITH THE 2004 SHSM AND THE 2012 SUPPLEMENT UNLESS OTHERWISE DETAILED IN THE PLANS.
4. COLORS USED ON ALL SIGNS SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 1A.12 OF THE MUTCD.
5. SIGN SHEETING FOR FLUORESCENT YELLOW AND FLUORESCENT YELLOW GREEN SHALL BE AASHTO M268 (ASTM D4956) TYPE VII, VIII OR IX. ALL OTHER SIGN SHEETING SHALL BE TYPE III OR IV.
6. SHEETING TYPES AND MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPE SHOULD BE BY THE SAME MANUFACTURER AND BE CONSISTENT THROUGHOUT THE PROJECT UNLESS OTHERWISE DETAILED ON THE PLANS.
7. SIGN BASE MATERIAL FOR DELINEATORS AND MILE MARKER PLAQUES (VD-700) SHALL BE 0.063" THICK FLAT SHEET ALUMINUM. ALL TOWN HIGHWAY SIGNS (D3-1) SHALL BE 0.125" THICK FLAT SHEET ALUMINUM OR EXTRUDED ALUMINUM WITH 0.25 INCH FLANGE AND 0.090 INCH WEB. UNLESS OTHERWISE NOTED ON THE PLANS, ALL OTHER SIGNS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIGN SIZE	12" X 12"		
	18" X 18"		
	21" X 15"		
	24" X 8"		
	24" X 10"		48" X 18"
	24" X 12"	36" X 12"	48" X 24"
	24" X 18"	36" X 15"	48" X 30"
	24" X 24"	36" X 18"	48" X 42"
	24" X 30"	36" X 24"	48" X 48"
	30" X 15"	36" X 36"	48" X 60"
	30" X 18"	36" X 42"	72" X 10"
	30" X 30"	36" X 48"	72" X 12"
	30" X 42"	36" X 54"	72" X 20"
THICKNESS	0.080"	0.100"	0.125"

SIGN POST NOTES

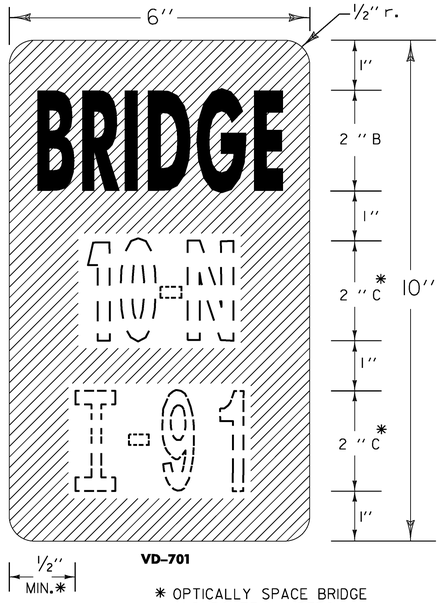
1. ALL SIGN POSTS SHALL BE INSTALLED IN A NEW ANCHOR. ALL SIGNS INSTALLED IN PAVED OR CONCRETE ISLANDS OR SIDEWALKS SHALL ALSO BE INSTALLED WITH AN 18" SLEEVE. PAYMENT FOR SLEEVE SHALL BE INCIDENTAL TO THE SIGN POST.
2. 1.75" SQUARE STEEL POSTS SHALL BE 14 GAUGE STEEL. 2" AND 2.5" SQUARE STEEL POSTS SHALL BE 12 GAUGE STEEL.

SIGN INSTALLATION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT THEIR EXPENSE.
2. ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
3. ALL SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH VTRANS STANDARD E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROADS, UNLESS OTHERWISE NOTED.
4. ALL SIGNS, FRAMES, MOUNTING HARDWARE, POSTS, AND ANCHORS FOR ANY SIGN ASSEMBLY SHALL BE REPLACED AT THE SAME TIME. MIXING OF OLD AND NEW SIGNS ON THE SAME ASSEMBLY WILL NOT BE ALLOWED EXCEPT AS NOTED ON THE PLANS.
5. NEW SIGNS WITH THEIR GREATER NIGHTTIME REFLECTIVITY CAN OBSCURE OLDER SIGNS MOUNTED ADJACENT TO THEM. TO AVOID CONFUSION OF ROAD USERS, WORK SHALL BE COORDINATED SUCH THAT ALL SIGNS ASSOCIATED WITH A CURVE, INTERSECTION, OR SPEED CHANGE, SHALL BE REPLACED ON THE SAME DAY AND NOT LEFT INCOMPLETE NOR WITH A MIXTURE OF OLD AND NEW SIGNS WITHIN A GROUP OF ASSOCIATED SIGNS.

FOR EXAMPLE, ROUTE NUMBERS

SHALL APPEAR AS: I-91, US5, VT22



VD-701

* OPTICALLY SPACE BRIDGE AND ROUTE NUMBERS. SERIES B LETTERS MAY BE USED TO MAINTAIN VISUAL INTEGRITY.

BRIDGE PLAQUE NOTES

GENERAL:
DOTTED LINES AND NUMERALS INDICATE TEXT THAT VARIES.

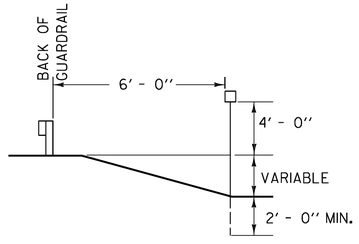
MATERIAL:
THE SIGN BASE MATERIAL SHALL BE 0.040 INCH FLAT SHEET ALUMINUM.

COLORS:
THE SIGN SHALL HAVE A RETROREFLECTORIZED WHITE TEXT ON RETROREFLECTORIZED GREEN BACKROUND. THE COLORS SHALL CONFORM WITH THOSE FOUND IN STANDARD COLOR TOLERANCE CHARTS AS APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

RETROREFLECTVITY WILL BE EQUAL TO OR EXCEEDING AASHTO M268 (ASTM D4956) TYPE III.

LETTERING:
LETTERS AND DIGITS SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AS PRINTED BY THE FEDERAL HIGHWAY ADMINISTRATION.

POSTS:
1 3/4 INCH SQUARE STEEL POST WITH 2 INCH ANCHOR SHALL BE USED. POST SHALL BE A MINIMUM OF 8 FEET.



NOT TO SCALE

MILE MARKERS

STATION	MILE MARK	REMARKS
VERSHIRE		
200+64 LT	1130/0914/0380	NEW
211+20 RT	1130/0914/0400	NEW
221+76 LT	1130/0914/0420	NEW
242+88 RT	1130/0914/0460	NEW
253+44 RT	1130/0914/0480	NEW
264+00 LT	1130/0914/0500	NEW
274+56 RT	1130/0914/0520	NEW
285+12 LT	1130/0914/0540	NEW W/ 3 D-BOARDS
295+68 RT	1130/0914/0560	NEW
306+24 LT	1130/0914/0580	NEW
316+80 RT	1130/0914/0600	NEW
327+36 LT	1130/0914/0620	NEW
337+92 RT	1130/0914/0640	NEW
359+04 LT	1130/0914/0680	NEW
369+60 RT	1130/0914/0700	NEW
380+16 RT	1130/0914/0720	NEW
390+72 RT	1130/0914/0740	NEW
WEST FAIRLEE		
F10+56 RT	1130/0916/0020	NEW
F21+12 LT	1130/0916/0040	NEW
F31+68 RT	1130/0916/0060	NEW
F42+24 LT	1130/0916/0080	NEW
F52+80 RT	1130/0916/0100	NEW
F63+36 LT	1130/0916/0120	NEW
F73+92 LT	1130/0916/0140	NEW
F84+48 LT	1130/0916/0160	NEW
F95+04 RT	1130/0916/0180	NEW
F105+60 LT	1130/0916/0200	NEW
F116+16 RT	1130/0916/0220	NEW
F126+72 LT	1130/0916/0240	NEW W/ VILLAGE SIGN
F137+28 LT	1130/0916/0260	NEW
THETFORD		
T10+56 LT	1130/0911/0020	NEW
T21+12 RT	1130/0911/0040	NEW
T31+68 RT	1130/0911/0060	NEW W/ VILLAGE SIGN
T42+24 RT	1130/0911/0080	NEW

MILE MARKER NOTES

1. MILE MARKERS SHOWN ABOVE AND NOT NOTED AS BEING WITH ANOTHER SIGN ARE QUANTIFIED ON TRAFFIC SIGN SUMMARY SHEET #1.
2. MILE MARKERS SHOWN ABOVE AND NOTED AS BEING WITH ANOTHER SIGN ARE QUANTIFIED ON THE TRAFFIC SIGN SUMMARY SHEET WITH THE CORRESPONDING STATION.
3. MILE MARKERS AT TOWN HIGHWAYS ARE SHOWN ON THE TRAFFIC SIGN SUMMARY SHEETS WITH THE APPLICABLE TOWN HIGHWAY SIGNING.

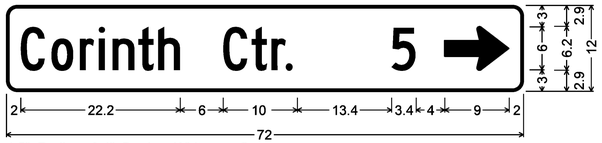
SIGN DETAIL SHEET 1

PROJECT NAME: VERSHIRE-THETFORD

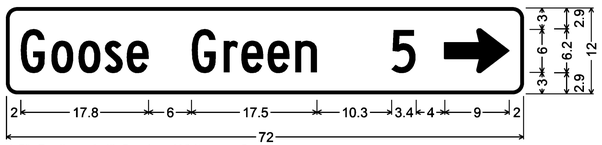
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_84

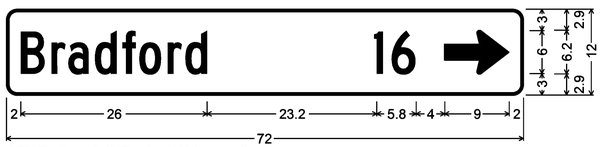
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 84 OF 232



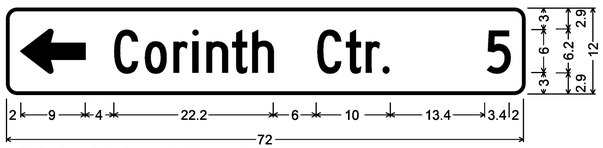
1.5" Radius, 0.4" Border, White on Green;
[Corinth Ctr] C 2K; [5] C 2K; Standard Arrow Custom 9.0" X 6.1" 0°;



1.5" Radius, 0.4" Border, White on Green;
[Goose Green] C 2K; [5] C 2K; Standard Arrow Custom 9.0" X 6.1" 0°;



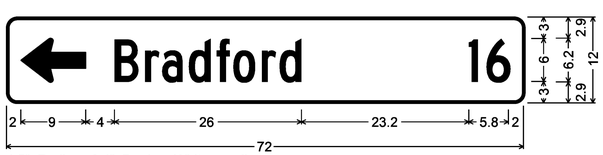
1.5" Radius, 0.4" Border, White on Green;
[Bradford] C 2K; [16] C 2K; Standard Arrow Custom 9.0" X 6.1" 0°;



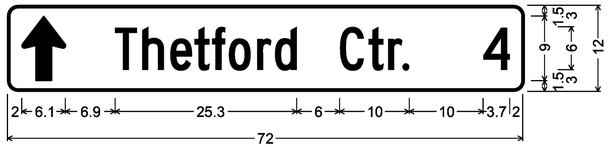
1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°; [Corinth Ctr.] C 2K; [5] C 2K;



1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°; [Goose Green] C 2K; [5] C 2K;



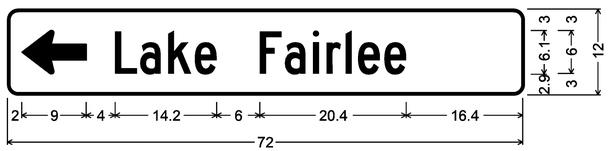
1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°; [Bradford] C 2K; [16] C 2K;



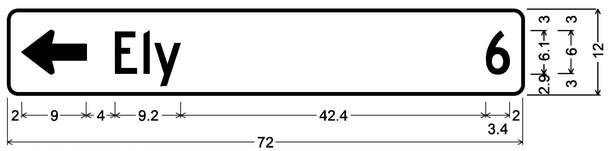
1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 90°; [Thetford Ctr.] C 2K; [4] C 2K;



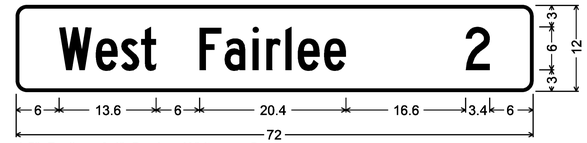
1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 90°; [East Thetford] C 2K; [8] C 2K;
[8] C 2K;



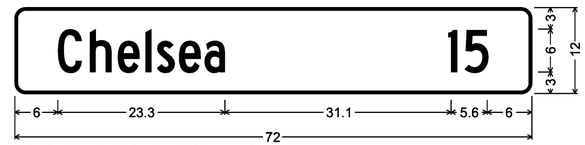
1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°; [Lake Fairlee] C 2K;



1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 9.0" X 6.1" 180°; [Ely] C 2K; [6] C 2K;



1.5" Radius, 0.4" Border, White on Green;
[West Fairlee] C 2K; [2] C 2K;



1.5" Radius, 0.4" Border, White on Green;
[Chelsea] C 2K; [15] C 2K;

DESTINATION SIGN NOTES VD1-1, VD1-1A, VD2-1

THE DESTINATION SIGNS SHOWN ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III OR IV TEXT, ARROWS AND BORDERS ON A GREEN RETROREFLECTIVE AASHTO M268 (ASTM D4956) TYPE III OR IV BACKGROUND

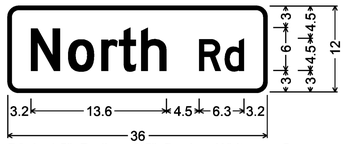
NOT TO SCALE

SIGN DETAIL SHEET 2

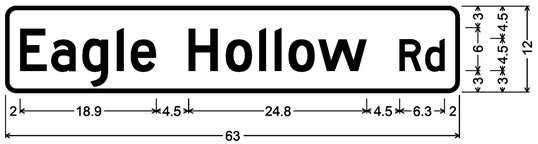
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 291(I)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_85

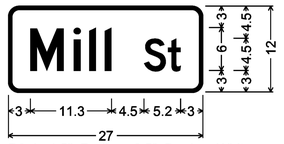
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 85 OF 232



D3-1; 1.5" Radius, 0.5" Border, White on Green;
[North] D 2K; [Rd] D 2K;



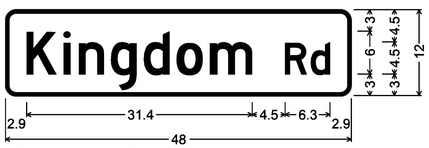
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Eagle Hollow] D 2K; [Rd] D 2K;



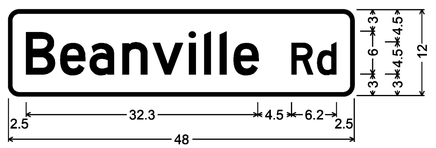
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Mill] D 2K; [St] D 2K;



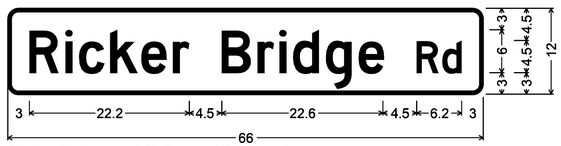
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Darling Hill] D 2K; [Rd] D 2K;



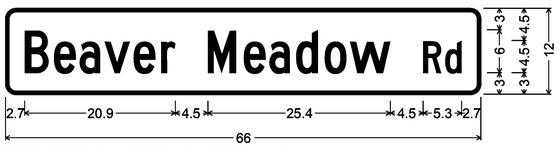
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Kingdom] D 2K; [Rd] D 2K;



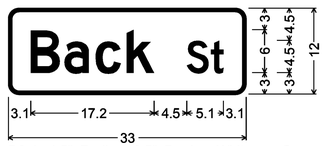
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Beanville] D 2K; [Rd] D 2K;



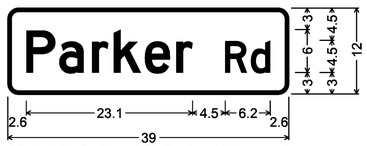
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Ricker Bridge] D 2K; [Rd] D 2K;



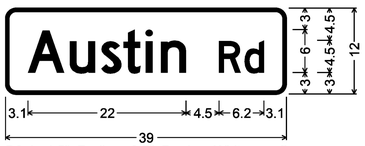
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Beaver Meadow] C 2K; [Rd] C 2K;



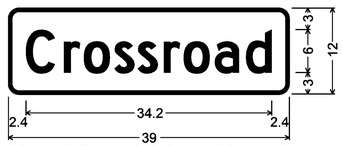
D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Back] D 2K; [St] D 2K;



D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Parker] D 2K; [Rd] D 2K;



D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Austin] D 2K; [Rd] D 2K;



D3-1; 1.5" Radius, 0.5" Border, White on Green;
[Crossroad] D 2K;

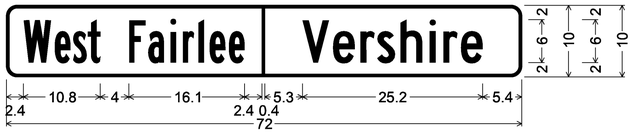
TOWN HIGHWAY SIGNS D3-1

TOWN HIGHWAY SIGNS SHALL BE DOUBLE SIDED SIGNS
AND SHALL BE INSTALLED WITH 12 INCH BRACKETS.

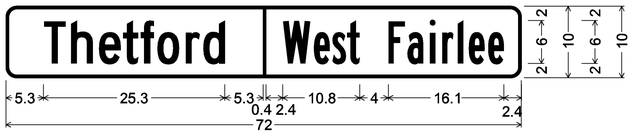
NOT TO SCALE

SIGN DETAIL SHEET 3

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_86	SHEET 86 OF 232

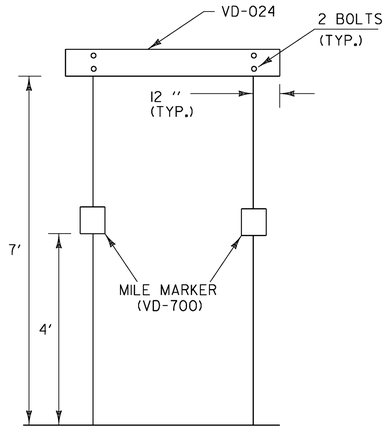


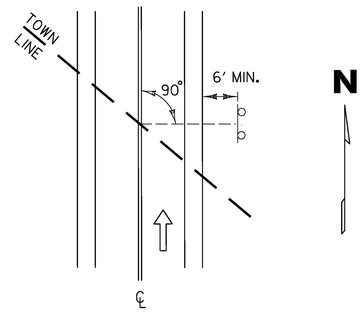
1.5" Radius, 0.4" Border, White on Green;
[West Fairlee] B 2K; [Vershire] C 2K;



1.5" Radius, 0.4" Border, White on Green;
[Thetford] C 2K; [West Fairlee] B 2K

VD–024





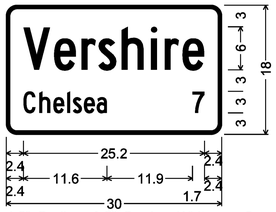
THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.

WHEN CROSSING COUNTY BOUNDARIES AN ADDITIONAL COUNTY LINE SIGN SHALL BE MOUNTED BELOW THE TOWN LINE SIGN MAINTAINING A SEVEN FOOT CLEARANCE.

TOWN LINE SIGN DETAILS

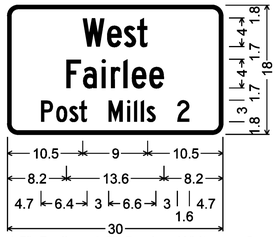
TOWN LINE SIGN NOTES

1. WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENTS.
2. DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.
3. ALL DIMENSIONS ARE IN INCHES EXCEPT WHERE NOTED.
4. DIMENSIONS TO THE BOTTOM OF SIGN SHALL BE MEASURED FROM THE EDGE OF TRAVELED WAY.



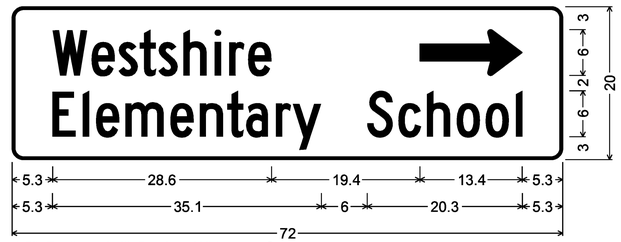
1.5" Radius, 0.5" Border, White on Green;
[Vershire] C 2K;
[Chelsea] C 2K; [7] C 2K;

VD–018



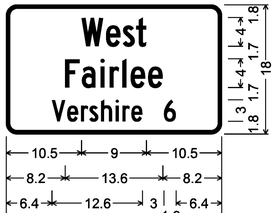
1.5" Radius, 0.5" Border, White on Green;
[West] C 2K; [Fairlee] C 2K;
[Post Mills] C 2K; [2] C 2K;

VD–018



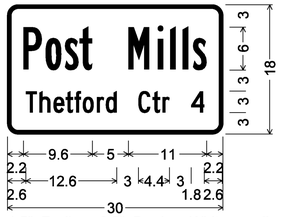
1.5" Radius, 0.4" Border, White on Green;
[Westshire] C 2K; Standard Arrow Custom 13.4" X 6.0" 0°;
[Elementary School] C 2K;

VD2–1S



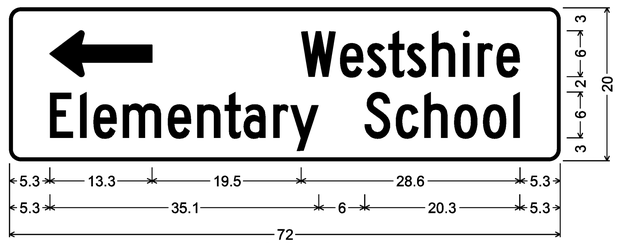
1.5" Radius, 0.5" Border, White on Green;
[West] C 2K; [Fairlee] C 2K;
[Vershire] C 2K; [6] C 2K;

VD–018



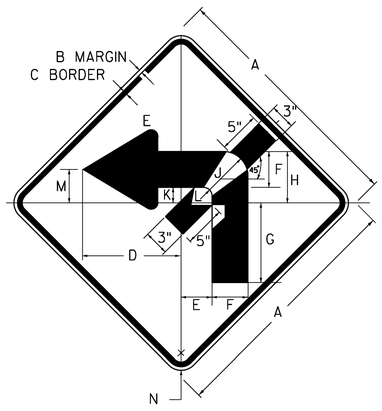
1.5" Radius, 0.5" Border, White on Green;
[Post Mills] B 2K; [Thetford Ctr 4] C 2K;

VD–018



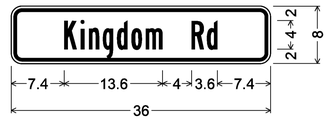
1.5" Radius, 0.4" Border, White on Green;
Standard Arrow Custom 13.4" X 6.0" 180°; [Westshire] C 2K;
[Elementary] C 2K; [School] C 2K;

VD2–1S



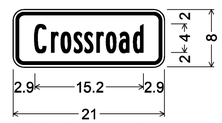
W1–1Me

DIMENSIONS (INCHES)												
A	B	C	D	E	F	G	H	J	K	L	M	N
36	5/8	7/8	14 3/8	4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	2 1/4	1 1/4	4 7/8	2 1/4



1.5" Radius, 0.4" Border, 0.4" Indent, Black on Yellow;
[Kingdom Rd] B 2K;

W16–8p



1.5" Radius, 0.4" Border, 0.4" Indent, Black on Yellow;
[Crossroad] B 2K;

W16–8p

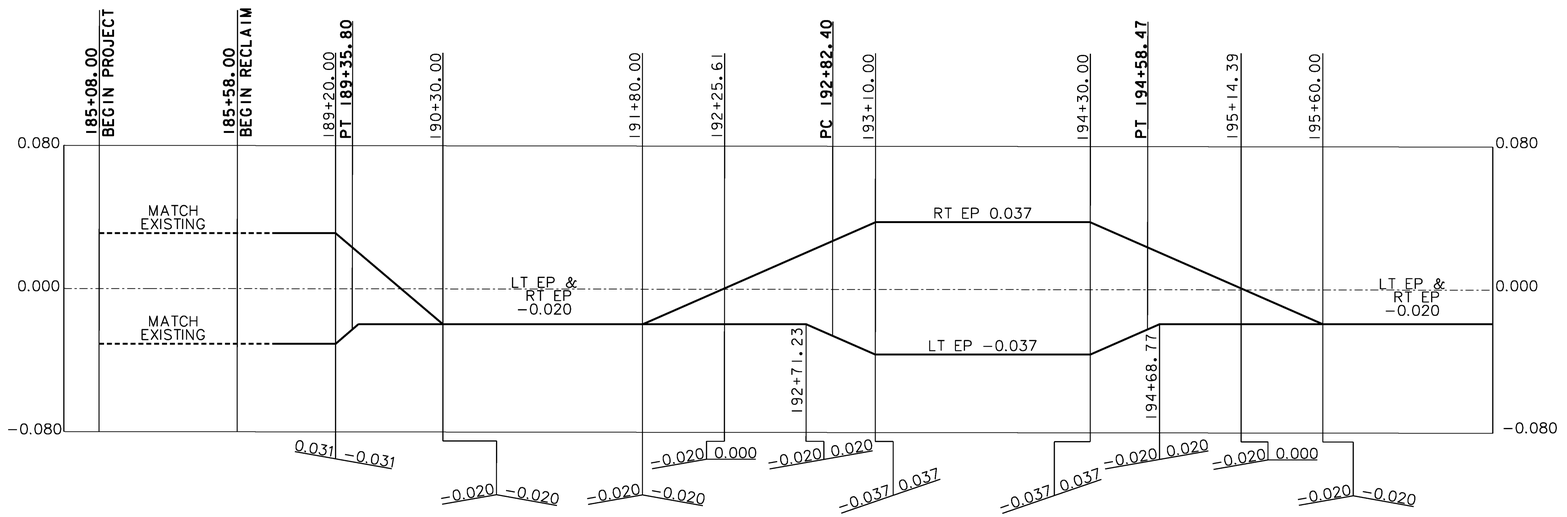
NOT TO SCALE

SIGN DETAIL SHEET 4

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 291(1)

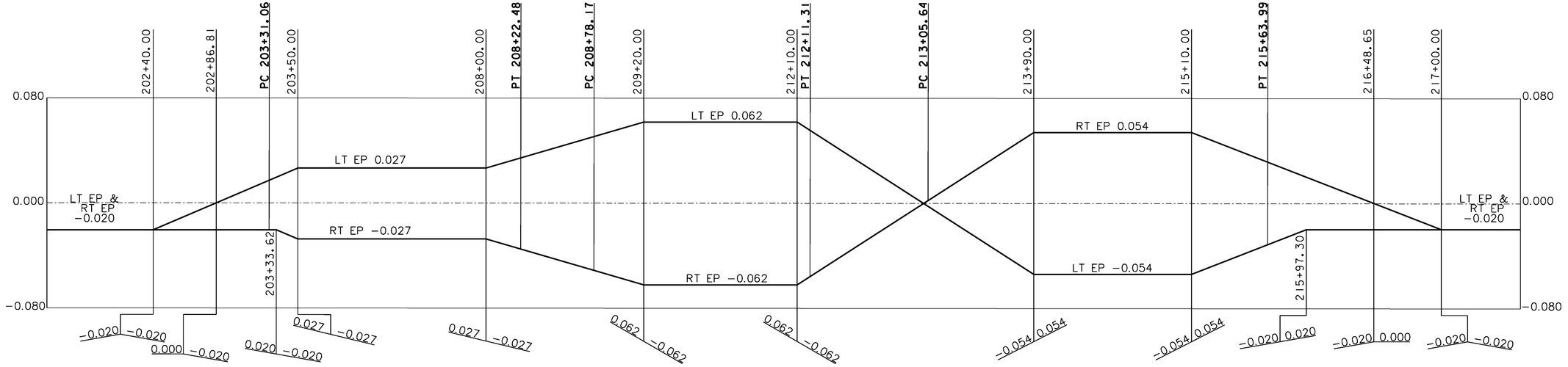
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_87

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 87 OF 232



CURVE 0 – VERSHIRE

CURVE 1 – VERSHIRE



CURVE 2 – VERSHIRE

CURVE 3 – VERSHIRE

CURVE 4 – VERSHIRE

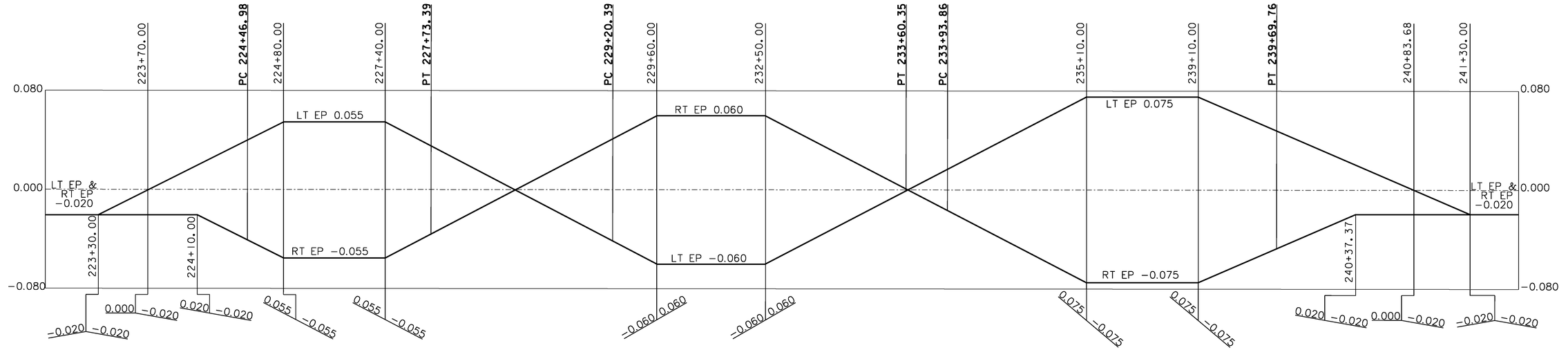
NOTE

LIMIT OF VTRANS SURVEY STA 187+70. THE CONTRACTOR WILL NEED TO VERIFY BANKING PRIOR TO COLD PLANING.

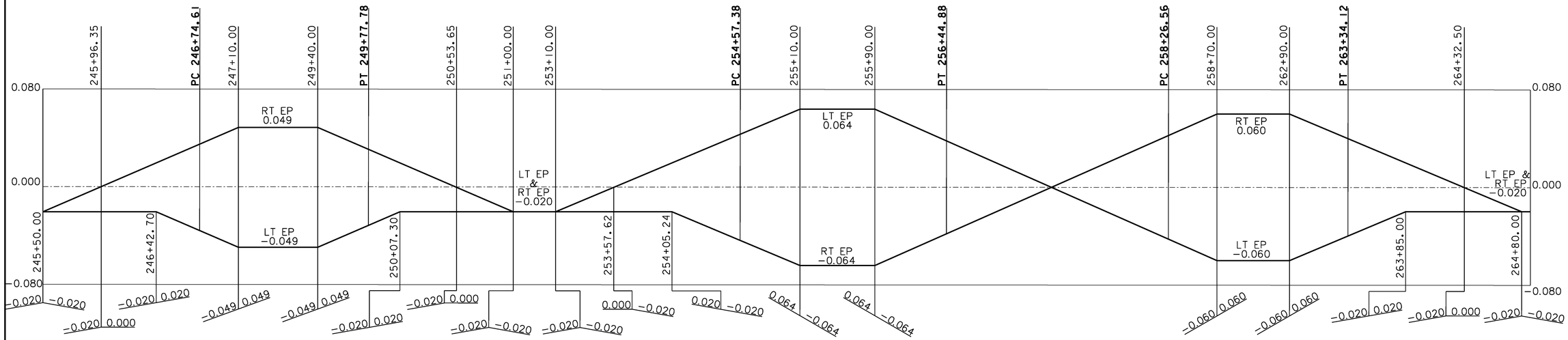
NOT TO SCALE

BANKING DIAGRAM 1

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_88	SHEET 88 OF 232



CURVE 5 – VERSHIRE **CURVE 6 – VERSHIRE** **CURVE 7 – VERSHIRE**

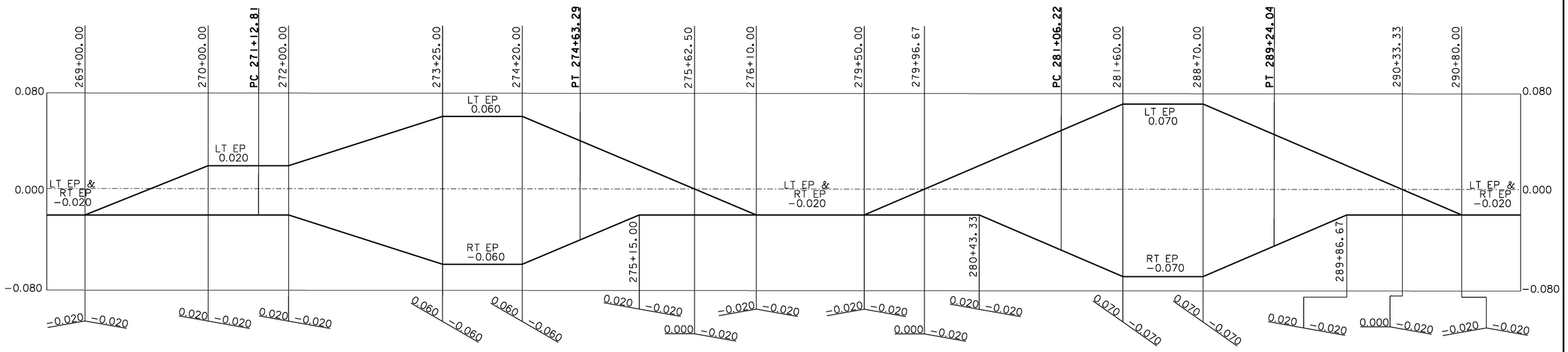


CURVE 8 – VERSHIRE **CURVE 9 – VERSHIRE** **CURVE 10 – VERSHIRE**

NOT TO SCALE

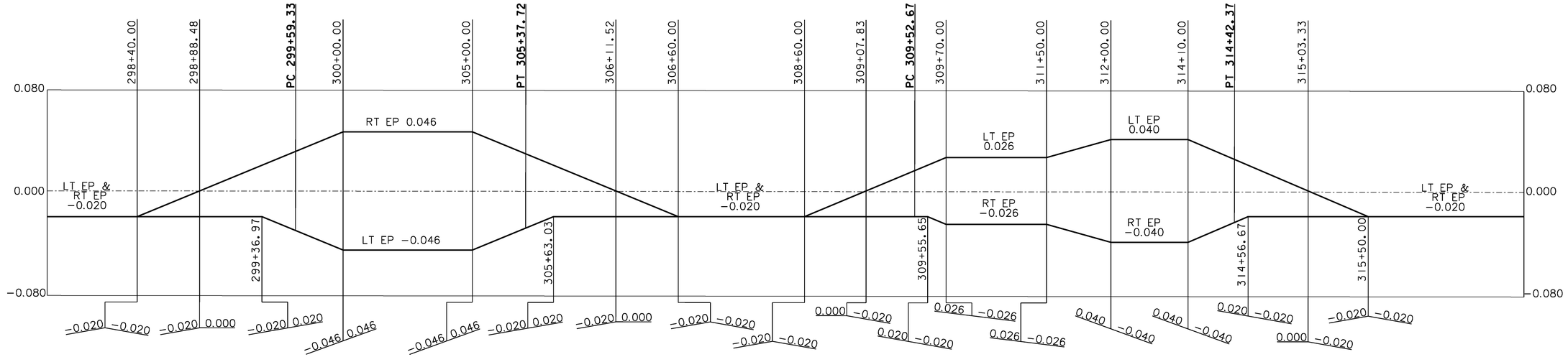
BANKING DIAGRAM 2

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_89	SHEET 89 OF 232



CURVE 11 – VERSHIRE

CURVE 12 – VERSHIRE



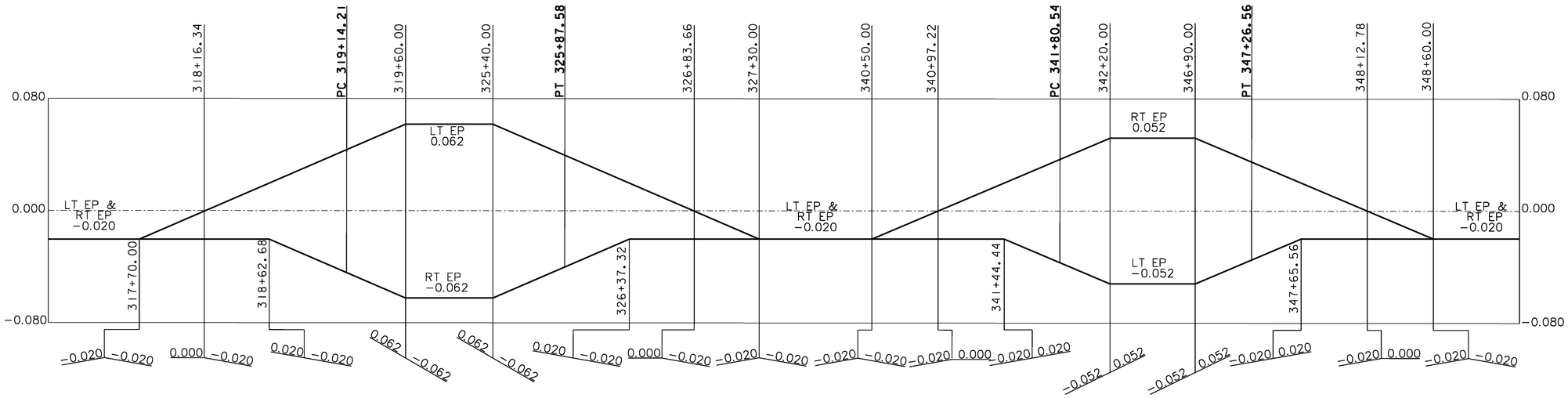
CURVE 13 – VERSHIRE

CURVE 14 – VERSHIRE

NOT TO SCALE

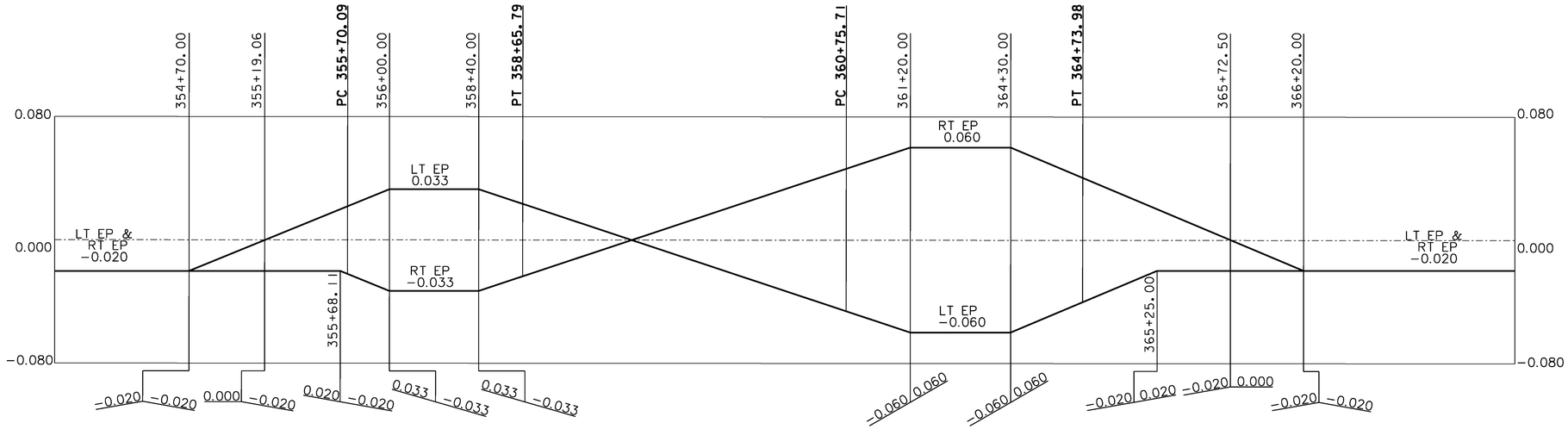
BANKING DIAGRAM 3

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_90	SHEET 90 OF 232



CURVE 15 – VERSHIRE

CURVE 16 – VERSHIRE



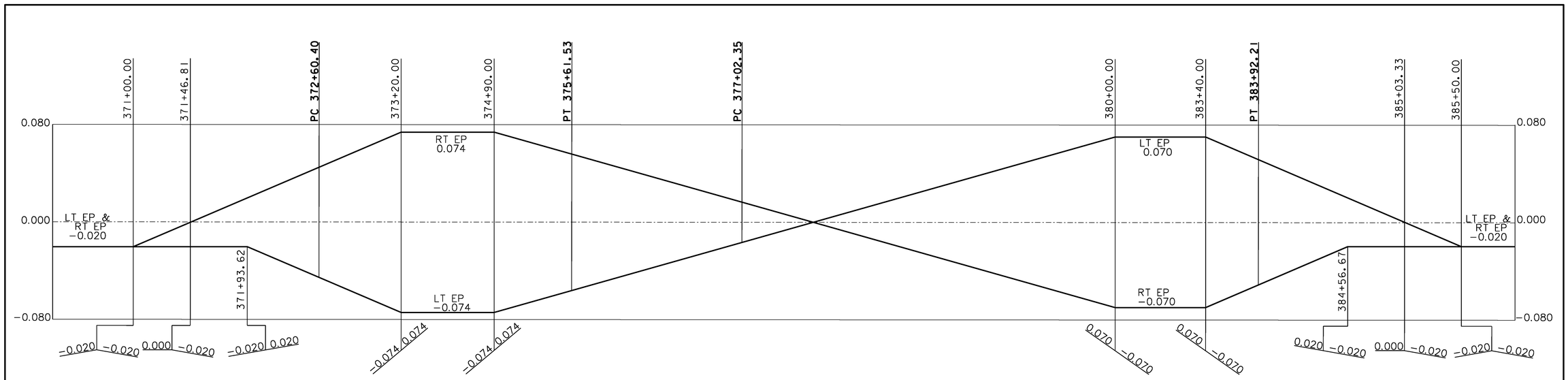
CURVE 17 – VERSHIRE

CURVE 18 – VERSHIRE

NOT TO SCALE

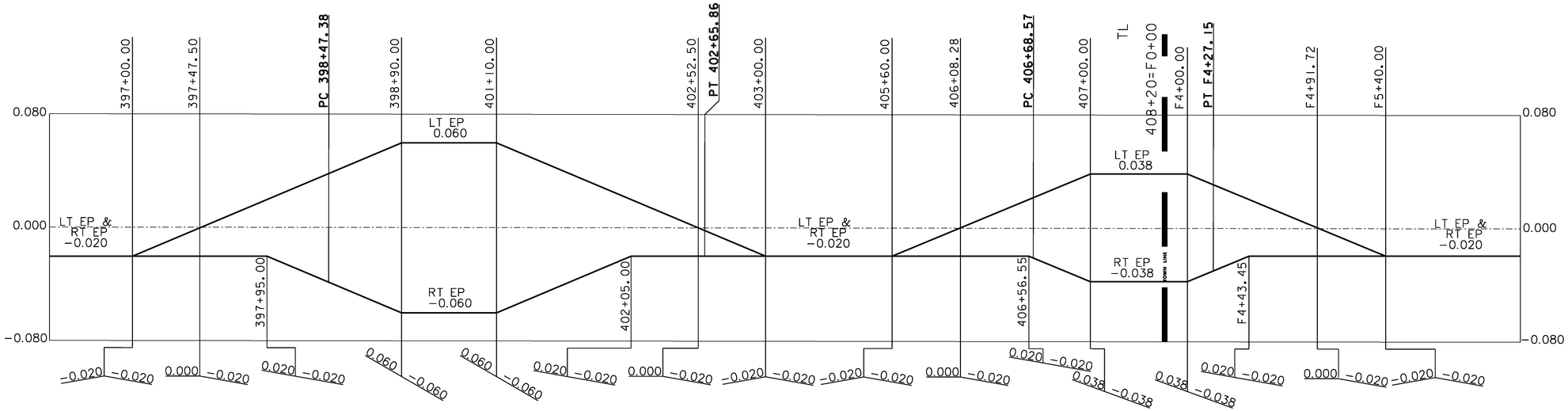
BANKING DIAGRAM 4

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_91	SHEET 91 OF 232



CURVE 19 – VERSHIRE

CURVE 20 – VERSHIRE



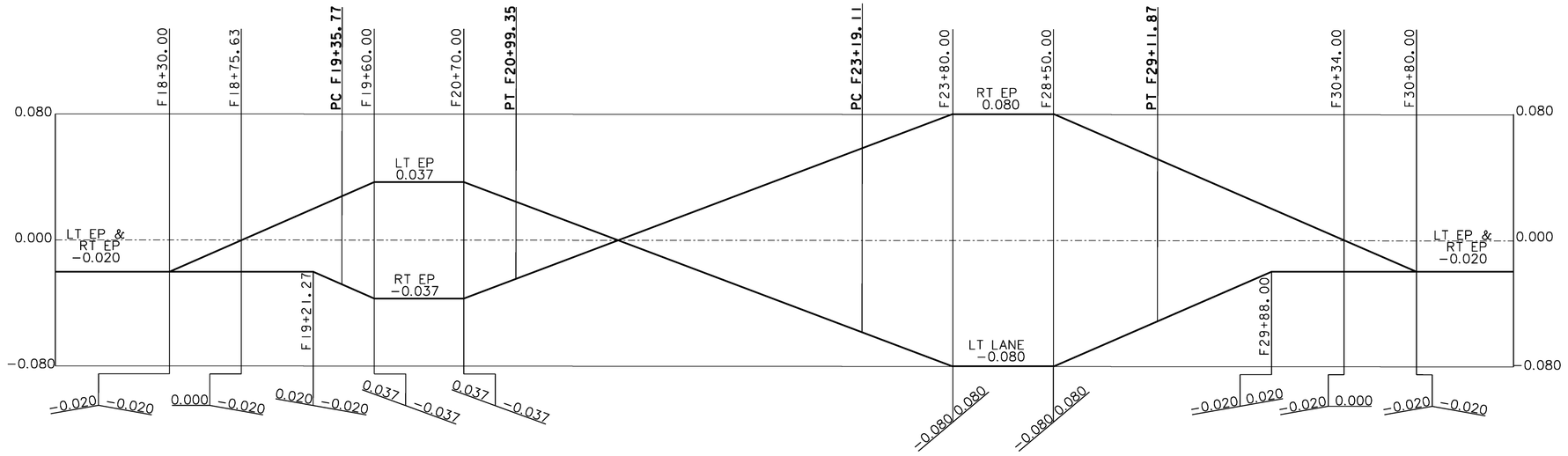
CURVE 21 – VERSHIRE

CURVE 22 – VERSHIRE-WEST FAIRLEE

NOT TO SCALE

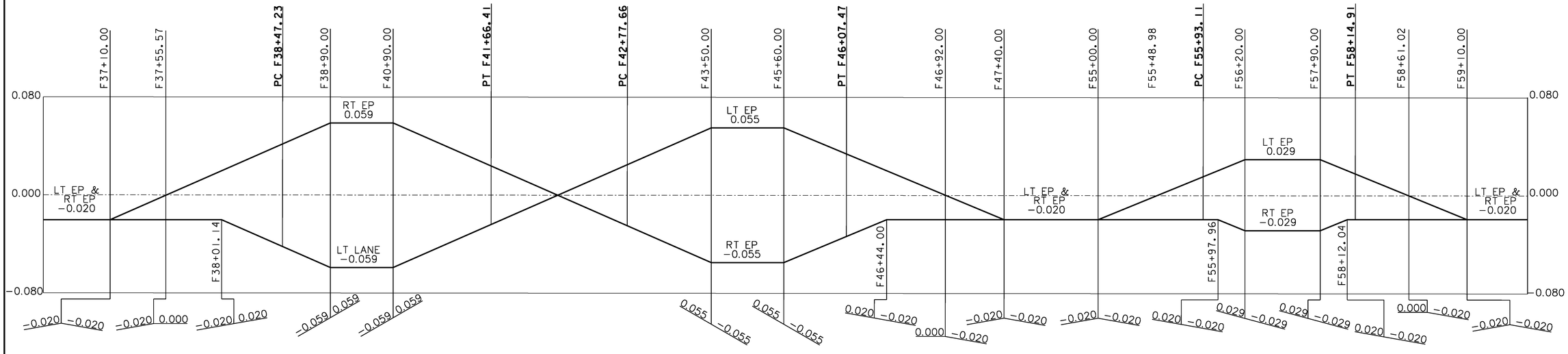
BANKING DIAGRAM 5

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_92	SHEET 92 OF 232



CURVE 23 – WEST FAIRLEE

CURVE 24 – WEST FAIRLEE



CURVE 25 – WEST FAIRLEE

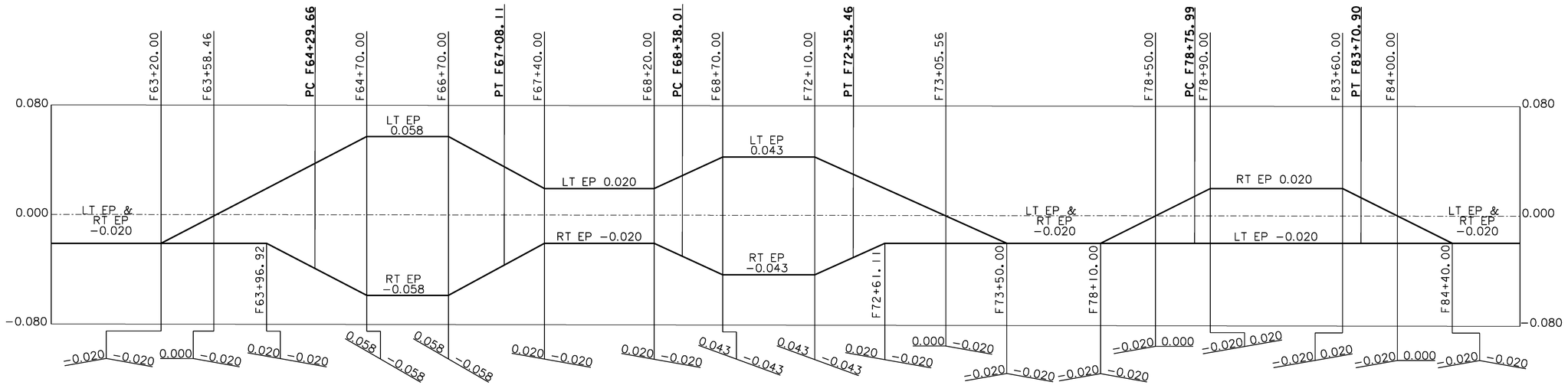
CURVE 26 – WEST FAIRLEE

CURVE 27 – WEST FAIRLEE

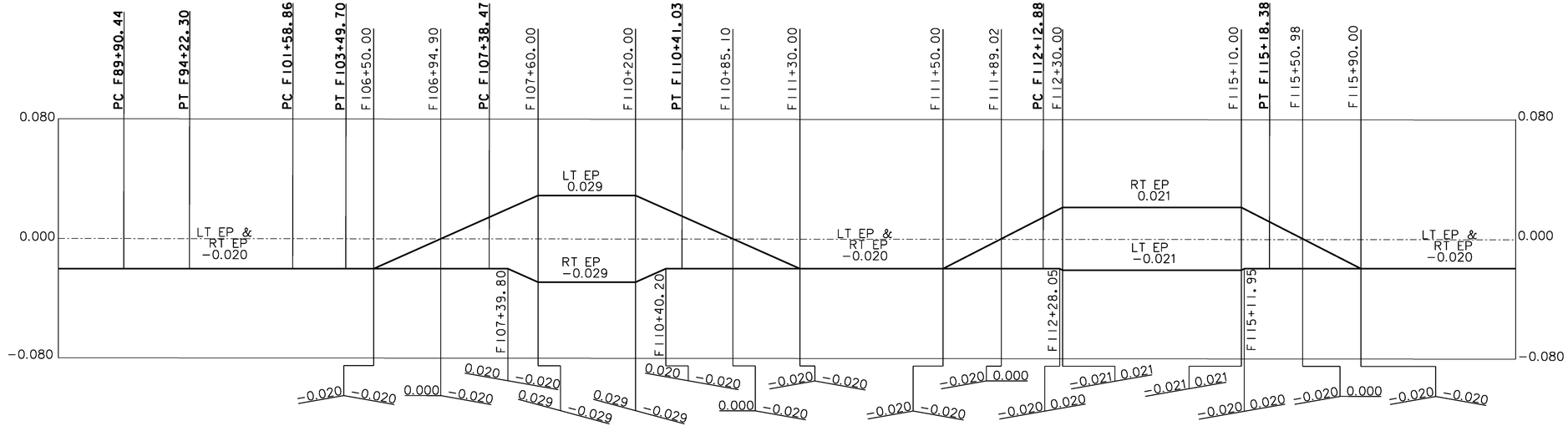
NOT TO SCALE

BANKING DIAGRAM 6

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(I)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_93	SHEET 93 OF 232



CURVE 28 – WEST FAIRLEE **CURVE 29 – WEST FAIRLEE** **CURVE 30 – WEST FAIRLEE**

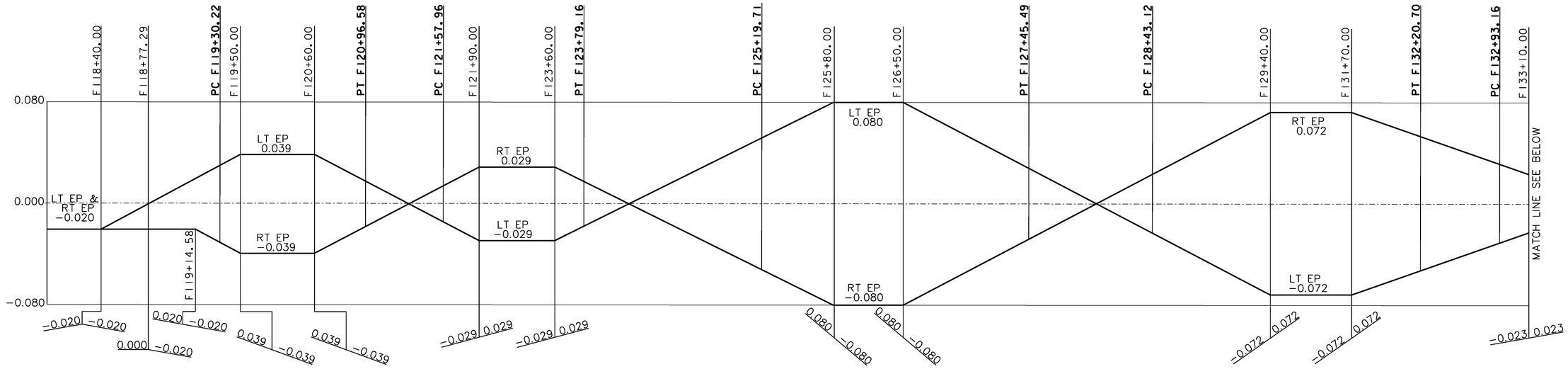


CURVE 31 & 32 – WEST FAIRLEE **CURVE 33 – WEST FAIRLEE** **CURVE 34 – WEST FAIRLEE**

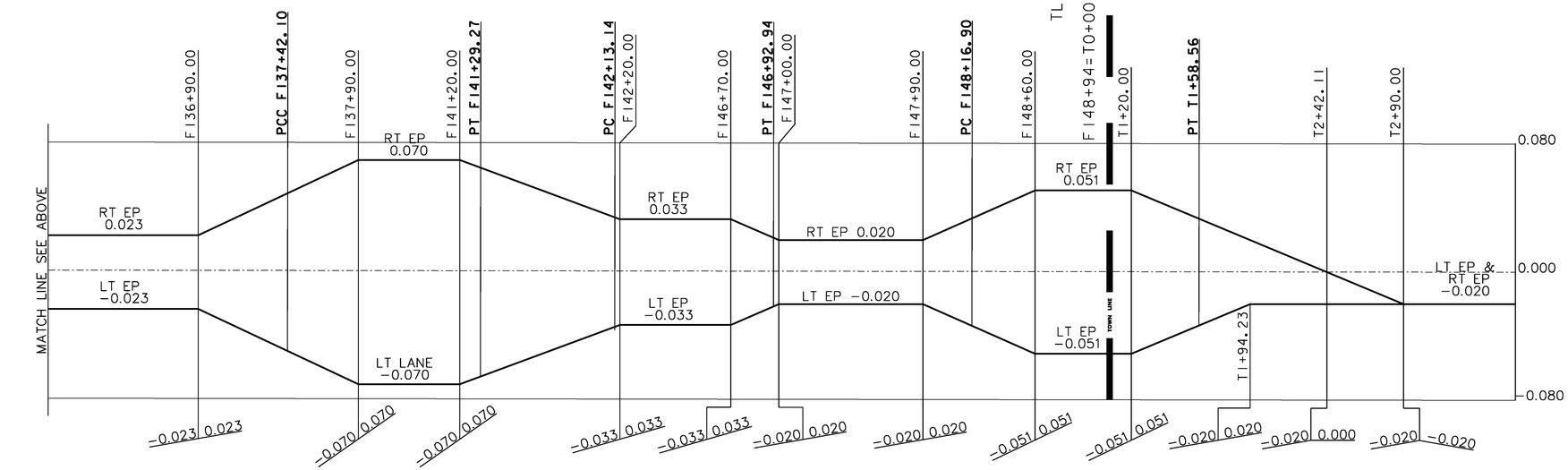
NOT TO SCALE

BANKING DIAGRAM 7

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_94	SHEET 94 OF 232



CURVE 35 – WEST FAIRLEE **CURVE 36 – WEST FAIRLEE** **CURVE 37 – WEST FAIRLEE** **CURVE 38 – WEST FAIRLEE**

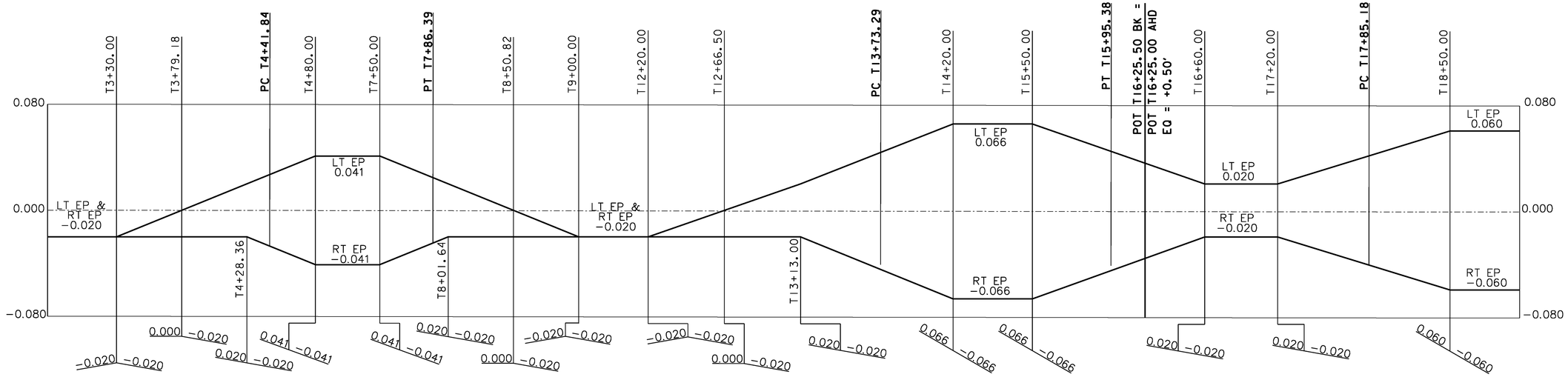


CURVE 39 – WEST FAIRLEE **CURVE 40 – WEST FAIRLEE** **CURVE 41 – WEST FAIRLEE** **CURVE 42 – WEST FAIRLEE–THETFORD**

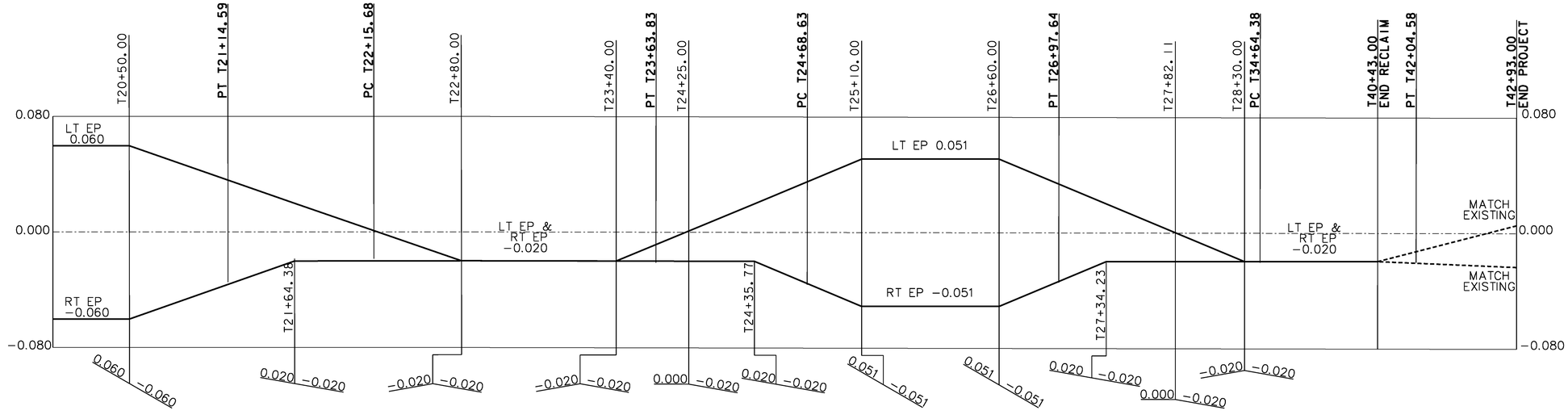
NOT TO SCALE

BANKING DIAGRAM 8

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: 10C224_95	SHEET 95 OF 232



CURVE 43 – THETFORD **CURVE 44 – THETFORD** **CURVE 45 – THETFORD**



CURVE 45 – THETFORD **CURVE 46 – THETFORD** **CURVE 47 – THETFORD** **CURVE 48 – THETFORD**

NOT TO SCALE

BANKING DIAGRAM 9

PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: pl0c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: JLS
DESIGNED BY: NLL	CHECKED BY: DAM
IPARM FILE NAME: l0C224_96	SHEET 96 OF 232

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta/Theta	Rotation Direction	Maximum Banking	Design Speed
Curve 0	PC	182+85.89	536081.147	1686577.319	4200	649.91	8°51'57.52"	Right	Match Existing	40
	POC	185+08.00	536011.658	1686788.256						
	PI	186+11.49	535987.480	1686889.160						
	CC		532058.683	1685369.104						
	PT	189+35.80	535846.871	1687182.840						
Tangent	PT	189+35.80	535846.871	1687182.840						
	PC	192+82.40	535697.190	1687495.463						
Curve 1	PC	192+82.40	535697.190	1687495.463	1910	176.07	5°16'53.17"	Left	0.037	40
	PI	193+70.50	535659.146	1687574.923						
	CC		537420.004	1688320.324						
	PT	194+58.47	535628.578	1687657.547						
Tangent	PT	194+58.47	535628.578	1687657.547						
	PC	203+31.06	535325.801	1688475.923						
Curve 2	PC	203+31.06	535325.801	1688475.923	2800	491.42	10°03'20.67"	Right	0.027	40
	PI	205+77.41	535240.324	1688706.959						
	CC		532699.764	1687504.362						
	PT	208+22.48	535115.820	1688919.521						
Tangent	PT	208+22.48	535115.820	1688919.521						
	PC	208+78.17	535087.676	1688967.571						
Curve 3	PC	208+78.17	535087.676	1688967.571	900	333.15	21°12'31.61"	Right	0.062	40
	PI	210+46.67	535002.513	1689112.967						
	CC		534311.087	1688512.698						
	PT	212+11.31	534870.518	1689217.706						
Tangent	PT	212+11.31	534870.518	1689217.706						
	PC	213+05.64	534796.630	1689276.337						
Curve 4	PC	213+05.64	534796.630	1689276.337	600	258.35	24°40'14.66"	Left	0.054	40
	PI	214+36.85	534693.849	1689357.896						
	CC		535169.585	1689746.343						
	PT	215+63.99	534634.491	1689474.911						
Tangent	PT	215+63.99	534634.491	1689474.911						
	PC	224+46.98	534235.038	1690262.383						
Curve 5	PC	224+46.98	534235.038	1690262.383	1100	326.41	17°00'06.93"	Right	0.055	40
	PI	226+11.40	534160.659	1690409.012						
	CC		533254.034	1689764.759						
	PT	227+73.39	534046.656	1690527.484						
Tangent	PT	227+73.39	534046.656	1690527.484						
	PC	229+20.39	533944.733	1690633.402						
Curve 6	PC	229+20.39	533944.733	1690633.402	650	439.97	38°46'54.84"	Left	0.060	50
	PI	231+49.17	533786.096	1690798.257						
	CC		534413.101	1691084.104						
	PT	233+60.35	533765.691	1691026.131						
Tangent	PT	233+60.35	533765.691	1691026.131						
	PC	233+93.86	533762.703	1691059.505						
Curve 7	PC	233+93.86	533762.703	1691059.505	1020	575.89	32°20'57.69"	Right	0.075	50
	PI	236+89.71	533736.317	1691354.175						
	CC		532746.768	1690968.534						
	PT	239+69.76	533556.354	1691588.993						
Tangent	PT	239+69.76	533556.354	1691588.993						
	PC	246+74.61	533127.595	1692148.445						
Curve 8	PC	246+74.61	533127.595	1692148.445	2100	303.16	8°16'17.23"	Left	0.049	50
	PI	248+26.46	533035.228	1692268.967						
	CC		534794.390	1693425.862						
	PT	249+77.78	532961.160	1692401.524						
Tangent	PT	249+77.78	532961.160	1692401.524						
	PC	254+57.38	532727.219	1692820.201						
Curve 9	PC	254+57.38	532727.219	1692820.201	1400	187.51	7°40'25.57"	Right	0.064	50
	PI	255+51.27	532681.420	1692902.167						
	CC		531505.066	1692137.309						
	PT	256+44.88	532625.086	1692977.283						
Tangent	PT	256+44.88	532625.086	1692977.283						
	PC	258+26.56	532516.085	1693122.625						
Curve 10	PC	258+26.56	532516.085	1693122.625	405	507.56	71°48'17.39"	Left	0.060	50
	PI	261+19.76	532340.172	1693357.187						
	CC		532840.090	1693365.617						
	PT	263+34.12	532508.076	1693597.547						
Tangent	PT	263+34.12	532508.076	1693597.547						
	PC	271+12.81	532954.003	1694235.907						
Curve 11	PC	271+12.81	532954.003	1694235.907	740	350.49	27°08'13.34"	Right	0.060	50
	PI	272+91.40	533056.278	1694382.317						
	CC		532347.359	1694659.679						
	PT	274+63.29	533080.513	1694559.259						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta/Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	274+63.29	533080.513	1694559.259						
	PC	281+06.22	533167.760	1695196.238						
Curve 12	PC	281+06.22	533167.760	1695196.238	1180	817.83	39°42'36.64"	Right	0.070	50
	PI	285+32.33	533225.584	1695618.404						
	CC		531998.675	1695356.367						
	PT	289+24.04	533000.343	1695980.115						
Tangent	PT	289+24.04	533000.343	1695980.115						
	PC	299+59.33	532453.092	1696858.936						
Curve 13	PC	299+59.33	532453.092	1696858.936	2300	578.39	14°24'30.21"	Left	0.046	50
	PI	302+50.06	532299.413	1697105.727						
	CC		534405.495	1698074.717						
	PT	305+37.72	532211.977	1697382.996						
Tangent	PT	305+37.72	532211.977	1697382.996						
	PC	309+52.67	532087.180	1697778.739						
Curve 14	PC	309+52.67	532087.180	1697778.739	860	489.69	32°37'29.73"	Right	0.040	50
	PI	312+04.36	532011.487	1698018.772						
	CC		531266.995	1697520.096						
	PT	314+42.37	531818.326	1698180.123						
Tangent	PT	314+42.37	531818.326	1698180.123						
	PC	319+14.21	531456.198	1698482.613						
Curve 15	PC	319+14.21	531456.198	1698482.613	1460	673.37	26°25'31.87"	Right	0.062	50
	PI	322+56.99	531193.121	1698702.365						
	CC		530520.218	1697362.103						
	PT	325+87.58	530859.736	1698782.078						
Tangent	PT	325+87.58	530859.736	1698782.078						
	PC	341+80.54	529310.443	1699152.515						
Curve 16	PC	341+80.54	529310.443	1699152.515	1910	546.01	16°22'45.14"	Left	0.052	50
	PI	344+55.43	529043.097	1699216.438						
	CC		529754.606	1701010.153						
	PT	347+26.56	528804.627	1699353.156						
Tangent	PT	347+26.56	528804.627	1699353.156						
	PC	355+70.09	528072.830	1699772.705						
Curve 17	PC	355+70.09	528072.830	1699772.705	3400	295.70	4°58'58.68"	Right	0.033	50
	PI	357+18.03	527944.485	1699846.286						
	CC		526381.768	1696823.076						
	PT	358+65.79	527810.235	1699908.442						
Tangent	PT	358+65.79	527810.235	1699908.442						
	PC	360+75.71	527619.741	1699996.637						
Curve 18	PC	360+75.71	527619.741	1699996.637	1540	398.28	14°49'04.33"	Left	0.060	50
	PI	362+75.96	527438.018	1700080.771						
	CC		528266.753	1701394.126						
	PT	364+73.98	527283.854	1700208.583						
Tangent	PT	364+73.98	527283.854	1700208.583						
	PC	372+60.40	526678.444	1700710.511						
Curve 19	PC	372+60.40	526678.444	1700710.511	1040	301.13	16°35'24.05"	Left	0.074	50
	PI	374+12.03	526561.716	1700807.287						
	CC		527342.219	1701511.137						
	PT	375+61.53	526477.479	1700933.361						
Tangent	PT	375+61.53	526477.479	1700933.361						
	PC	377+02.35	526399.246	1701050.451						
Curve 20	PC	377+02.35	526399.246	1701050.451	1200	689.86	32°56'17.46"	Right	0.070	50
	PI	380+57.10	526202.162	1701345.421						
	CC		525401.469	1700383.786						
	PT	383+92.21	525876.373	1701485.815						
Tangent	PT	383+92.21	525876.373	1701485.815						
	PC	398+47.38	524540.003	1702061.704						
Curve 21	PC	398+47.38	524540.003	1702061.704	820	418.47	29°14'23.79"	Right	0.060	50
	PI	400+61.28	524343.568	1702146.356						
	CC		524215.486	1701308.652						
	PT	402+65.86	524130.812	1702124.268						
Tangent	PT	402+65.86	524130.812	1702124.268						
	PC	406+68.57	523730.253	1702082.684						

HORIZONTAL ALIGNMENT SHEET 1

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_97

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 97 OF 232

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta/Theta	Rotation Direction	Maximum Banking	Design Speed
Curve 22	PC	406+68.57	523730.253	1702082.684	2860	579	11°35'27.91"	Right	0.038	50
Back Station		408+20.00	523580.114	1702063.067						
Ahead Station		F 0+00.00								
Curve 22	PI	F 1+38.85	523441.522	1702052.709	2860	579	11°35'27.91"	Right	0.038	50
	CC		524025.580	1699237.972						
	PT	F 4+27.15	523164.701	1701965.331						
Tangent	PT	F 4+27.15	523164.701	1701965.331						
	PC	F 19+35.77	521726.049	1701511.227						
Curve 23	PC	F 19+35.77	521726.049	1701511.227	3000	163.58	3°07'26.86"	Right	0.037	50
	PI	F 20+17.58	521648.033	1701486.602						
	CC		522629.069	1698650.361						
	PT	F 20+99.35	521571.476	1701457.761						
Tangent	PT	F 20+99.35	521571.476	1701457.761						
	PC	F 23+19.11	521365.826	1701380.290						
Curve 24	PC	F 23+19.11	521365.826	1701380.290	760	592.76	44°41'15.85"	Left	0.080	50
	PI	F 26+31.49	521073.502	1701270.166						
	CC		521097.903	1702091.498						
	PT	F 29+11.87	520788.231	1701397.449						
Tangent	PT	F 29+11.87	520788.231	1701397.449						
	PC	F 38+47.23	519934.035	1701778.575						
Curve 25	PC	F 38+47.23	519934.035	1701778.575	1600	319.18	11°25'47.11"	Left	0.059	50
	PI	F 40+07.35	519787.809	1701843.818						
	CC		520585.975	1703239.730						
	PT	F 41+66.41	519657.412	1701936.745						
Tangent	PT	F 41+66.41	519657.412	1701936.745						
	PC	F 42+77.66	519566.816	1702001.308						
Curve 26	PC	F 42+77.66	519566.816	1702001.308	1800	329.81	10°29'53.70"	Right	0.055	50
	PI	F 44+43.03	519432.145	1702097.280						
	CC		518522.183	1700535.449						
	PT	F 46+07.47	519282.241	1702167.108						
Tangent	PT	F 46+07.47	519282.241	1702167.108						
	PC	F 55+93.11	518388.786	1702583.297						
Curve 27	PC	F 55+93.11	518388.786	1702583.297	4000	221.81	3°10'37.68"	Right	0.029	50
	PI	F 57+04.04	518288.230	1702630.138						
	CC		516699.767	1698957.388						
	PT	F 58+14.91	518185.231	1702671.334						
Tangent	PT	F 58+14.91	518185.231	1702671.334						
	PC	F 64+29.66	517614.445	1702899.631						
Curve 28	PC	F 64+29.66	517614.445	1702899.631	1020	278.44	15°38'27.05"	Right	0.058	40
	PI	F 65+69.76	517484.371	1702951.657						
	CC		517235.652	1701952.575						
	PT	F 67+08.11	517345.086	1702966.687						
Tangent	PT	F 67+08.11	517345.086	1702966.687						
	PC	F 68+38.01	517215.932	1702980.624						
Curve 29	PC	F 68+38.01	517215.932	1702980.624	1600	397.45	14°13'57.16"	Right	0.043	40
	PI	F 70+37.76	517017.333	1703002.055						
	CC		517044.270	1701389.860						
	PT	F 72+35.46	516819.561	1702974.002						
Tangent	PT	F 72+35.46	516819.561	1702974.002						
	PC	F 78+75.99	516185.379	1702884.043						
Curve 30	PC	F 78+75.99	516185.379	1702884.043	4000	494.91	7°05'20.65"	Left	0.020	40
	PI	F 81+23.76	515940.063	1702849.246						
	CC		515623.605	1706844.398						
	PT	F 83+70.90	515692.328	1702844.989						
Tangent	PT	F 83+70.90	515692.328	1702844.989						
	PC	F 89+90.44	515072.874	1702834.344						
Curve 31	PC	F 89+90.44	515072.874	1702834.344	4000	431.85	6°11'09.07"	Left	NC	35
	PI	F 92+06.58	514856.769	1702830.631						
	CC		515004.151	1706833.754						
	PT	F 94+22.30	514641.522	1702850.225						
Tangent	PT	F 94+22.30	514641.522	1702850.225						
	PC	F 101+58.86	513907.994	1702917.000						
Curve 32	PC	F 101+58.86	513907.994	1702917.000	6000	190.84	1°49'20.58"	Right	NC	35
	PI	F 102+54.29	513812.959	1702925.651						
	CC		513364.050	1696941.707						
	PT	F 103+49.70	513717.697	1702931.276						
Tangent	PT	F 103+49.70	513717.697	1702931.276						
	PC	F 107+38.47	513329.603	1702954.191						
Curve 33	PC	F 107+38.47	513329.603	1702954.191	2000	302.56	8°40'03.64"	Right	0.029	35
	PI	F 108+90.04	513178.297	1702963.124						
	CC		513211.720	1700957.668						
	PT	F 110+41.03	513027.374	1702949.154						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta/Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	F 110+41.03	513027.374	1702949.154						
	PC	F 112+12.88	512856.252	1702933.313						
Curve 34	PC	F 112+12.88	512856.252	1702933.313	3000	305.50	5°50'04.58"	Left	0.021	35
	PI	F 113+65.76	512704.021	1702919.222						
	CC		512579.733	1705920.542						
	PT	F 115+18.38	512551.146	1702920.679						
Tangent	PT	F 115+18.38	512551.146	1702920.679						
	PC	F 119+30.22	512139.326	1702924.603						
Curve 35	PC	F 119+30.22	512139.326	1702924.603	1400	166.36	6°48'30.25"	Right	0.039	35
	PI	F 120+13.50	512056.051	1702925.396						
	CC		512125.986	1701524.666						
	PT	F 120+96.58	511973.270	1702916.312						
Tangent	PT	F 120+96.58	511973.270	1702916.312						
	PC	F 121+57.96	511912.258	1702909.617						
Curve 36	PC	F 121+57.96	511912.258	1702909.617	2000	221.20	6°20'12.77"	Left	0.029	35
	PI	F 122+68.67	511802.207	1702897.540						
	CC		511694.093	1704897.682						
	PT	F 123+79.16	511691.494	1702897.684						
Tangent	PT	F 123+79.16	511691.494	1702897.684						
	PC	F 125+19.71	511550.947	1702897.867						
Curve 37	PC	F 125+19.71	511550.947	1702897.867	700	225.78	18°28'50.07"	Right	0.080	50
	PI	F 126+33.59	511437.067	1702898.015						
	CC		511550.038	1702197.867						
	PT	F 127+45.49	511329.012	1702862.057						
Tangent	PT	F 127+45.49	511329.012	1702862.057						
	PC	F 128+43.12	511236.376	1702831.230						
Curve 38	PC	F 128+43.12	511236.376	1702831.230	1120	377.58	19°18'57.36"	Left	0.072	50
	PI	F 130+33.72	511055.527	1702771.048						
	CC		510882.735	1703893.933						
	PT	F 132+20.70	510864.952	1702774.074						
Tangent	PT	F 132+20.70	510864.952	1702774.074						
	PC	F 132+93.16	510792.503	1702775.225						
Curve 39	PC	F 132+93.16	510792.503	1702775.225	5250	448.94	4°53'58.35"	Left	0.023	50
	PI	F 135+17.77	510567.923	1702778.791						
	CC		510875.865	1708024.563						
	PCC	F 137+42.10	510344.468	1702801.526						
Curve 40	PCC	F 137+42.10	510344.468	1702801.526	1180	387.17	18°47'57.81"	Left	0.070	50
	PI	F 139+37.44	510150.130	1702821.298						
	CC		510463.906	1703975.466						
	PT	F 141+29.27	509972.531	1702902.642						
Tangent	PT	F 141+29.27	509972.531	1702902.642						
	PC	F 142+13.14	509896.281	1702937.566						
Curve 41	PC	F 142+13.14	509896.281	1702937.566	3400	479.80	8°05'07.56"	Left	0.033	50
	PI	F 144+53.44	509677.808	1703037.631						
	CC		511312.107	1706028.753						
	PT	F 146+92.94	509475.581	1703167.429						
Tangent	PT	F 146+92.94	509475.581	1703167.429						
	PC	F 148+16.90	509371.259	1703234.388						
Curve 42	PC	F 148+16.90	509371.259	1703234.388	2000	236	6°45'04.35"	Left	0.051	50
Back Station		F 148+94.00	509307.194	1703277.273						
Ahead Station		T 0+00.00								
Curve 42	PI	T 0+40.87	509271.981	1703298.109	2000	235.66	6°45'04.35"	Left	0.051	50
	CC		510451.568	1704917.520						
	PT	T 1+58.56	509180.883	1703373.058						

HORIZONTAL ALIGNMENT SHEET 2

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_98

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 98 OF 232

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta/Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	T 1+58.56	509180.883	1703373.058						
	PC	T 4+41.84	508962.129	1703553.036						
Curve 43	PC	T 4+41.84	508962.129	1703553.036	2600	344.56	7°35'34.45"	Right	0.041	50
	PI	T 6+14.37	508828.896	1703662.651						
	CC		507310.239	1701545.236						
	PT	T 7+86.39	508682.347	1703753.701						
Tangent	PT	T 7+86.39	508682.347	1703753.701						
	PC	T 13+73.29	508153.834	1704063.425						
Curve 44	PC	T 13+73.30	508153.834	1704063.425	590	222.09	21°34'02.53"	Right	0.066	50
	PI	T 14+85.66	508088.382	1704122.729						
	CC		507872.471	1703562.273						
	PT	T 15+95.38	507977.813	1704142.793						
Tangent	PT	T 15+95.39	507977.813	1704142.793						
Back Station	POT	T 16+25.50	507948.179	1704148.170						
Ahead Station	POT	T 16+25.00								
Tangent	PC	T 17+85.18	507790.574	1704176.770						
Curve 45	PC	T 17+85.18	507790.574	1704176.770	720	329.41	26°12'48.55"	Right	0.060	50
	PI	T 19+52.82	507625.629	1704206.701						
	CC		507662.020	1703468.339						
	PT	T 21+14.59	507464.427	1704160.695						
Tangent	PT	T 21+14.59	507464.427	1704160.695						
	PC	T 22+15.68	507367.215	1704132.951						
Curve 46	PC	T 22+15.68	507367.215	1704132.951	1700	148.15	4°59'35.18"	Left	NC	50
	PI	T 22+89.80	507295.940	1704112.610						
	CC		506900.675	1705767.681						
	PT	T 23+63.83	507223.165	1704098.549						
Tangent	PT	T 23+63.83	507223.165	1704098.549						
	PC	T 24+68.63	507120.262	1704078.668						
Curve 47	PC	T 24+68.63	507120.262	1704078.668	2000	229.01	6°33'38.42"	Right	0.051	50
	PI	T 25+83.26	507007.713	1704056.922						
	CC		507499.662	1702114.983						
	PT	T 26+97.64	506898.385	1704022.460						
Tangent	PT	T 26+97.64	506898.385	1704022.460						
	PC	T 34+64.38	506167.120	1703791.950						
Curve 48	PC	T 34+64.38	506167.120	1703791.950	18000	740.20	2°21'22.07"	Left	NC	35
	PI	T 38+34.53	505814.092	1703680.668						
	CC		500755.630	1720959.238						
	PT	T 42+04.58	505456.787	1703583.993						
Tangent	PT	T 42+04.58	505456.787	1703583.993						
	PC	T 43+28.81	505336.866	1703551.547						

HORIZONTAL ALIGNMENT SHEET 3

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_99

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 99 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	POVT	187+70.00	1209.27						
	POVT	188+00.00	1208.49						
	POVT	188+50.00	1207.17						
	POVT	189+00.00	1205.54						
	POVT	189+50.00	1203.63						
	POVT	190+00.00	1201.57						
	POVT	190+50.00	1199.40						
	POVT	191+00.00	1197.23						
	PVC	191+28.00	1196.01						
Symmetrical Parabola	PVC	191+28.00	1196.01	400	-4.34%	-5.26%	433	-0.46	1368
	POVC	191+50.00	1195.05						
	POVC	192+00.00	1192.83						
	POVC	192+50.00	1190.55						
	POVC	193+00.00	1188.21						
	PVI	193+28.00	1187.34						
	POVC	193+50.00	1185.81						
	POVC	194+00.00	1183.36						
	POVC	194+50.00	1180.85						
	POVC	195+00.00	1178.28						
	PVT	195+28.00	1176.81						
Linear	PVT	195+28.00	1176.81	24	-5.26%				
	POVT	195+50.00	1175.66						
	PVC	195+52.00	1175.55						
Symmetrical Parabola	PVC	195+52.00	1175.55	280	-5.26%	-0.83%	63	1.55	
	POVC	196+00.00	1173.21						
	POVC	196+50.00	1171.15						
	PVI	196+92.00	1168.18						
	POVC	197+00.00	1169.49						
	POVC	197+50.00	1168.23						
	POVC	198+00.00	1167.37						
	PVT	198+32.00	1167.02						
Linear	PVT	198+32.00	1167.02	55	-0.83%				
	POVT	198+50.00	1166.87						
	PVC	198+87.00	1166.56						
Symmetrical Parabola	PVC	198+87.00	1166.56	150	-0.83%	-2.53%	89	-0.32	712
	POVC	199+00.00	1166.44						
	POVC	199+50.00	1165.81						
	PVI	199+62.00	1165.94						
	POVC	200+00.00	1164.90						
	PVT	200+37.00	1164.04						
Linear	PVT	200+37.00	1164.04	302	-2.53%				
	POVT	200+50.00	1163.71						
	POVT	201+00.00	1162.45						
	POVT	201+50.00	1161.19						
	POVT	202+00.00	1159.92						
	POVT	202+50.00	1158.66						
	POVT	203+00.00	1157.40						
	PVC	203+39.00	1156.41						
Symmetrical Parabola	PVC	203+39.00	1156.41	100	-2.53%	0.21%	37	0.34	
	POVC	203+50.00	1156.15						
	PVI	203+89.00	1155.15						
	POVC	204+00.00	1155.38						
	VLOW	204+31.40	1155.25						
	PVT	204+39.00	1155.25						
Linear	PVT	204+39.00	1155.25	61	0.21%				
	POVT	204+50.00	1155.28						
	PVC	205+00.00	1155.38						
Symmetrical Parabola	PVC	205+00.00	1155.38	150	0.21%	-2.87%	49	-0.58	425
	VHIGH	205+10.12	1155.39						
	POVC	205+50.00	1155.23						
	PVI	205+75.00	1155.54						
	POVC	206+00.00	1154.56						
	PVT	206+50.00	1153.38						
Linear	PVT	206+50.00	1153.38	225	-2.87%				
	POVT	207+00.00	1151.95						
	POVT	207+50.00	1150.51						
	POVT	208+00.00	1149.07						
	POVT	208+50.00	1147.64						
	PVC	208+75.00	1146.92						
Symmetrical Parabola	PVC	208+75.00	1146.92	220	-2.87%	-7.53%	47	-1.28	342
	POVC	209+00.00	1146.13						
	POVC	209+50.00	1144.17						
	PVI	209+85.00	1143.76						
	POVC	210+00.00	1141.67						
	POVC	210+50.00	1138.65						
	PVT	210+95.00	1135.48						
Linear	PVT	210+95.00	1135.48	90	-7.53%				
	POVT	211+00.00	1135.10						
	POVT	211+50.00	1131.33						
	PVC	211+85.00	1128.70						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	211+85.00	1128.70	80	-7.53%	-0.80%	12	0.67	
	POVC	212+00.00	1127.66						
	PVI	212+25.00	1125.69						
	POVC	212+50.00	1125.58						
	PVT	212+65.00	1125.37						
Linear	PVT	212+65.00	1125.37	72	-0.80%				
	POVT	213+00.00	1125.09						
	PVC	213+37.00	1124.79						
Symmetrical Parabola	PVC	213+37.00	1124.79	250	-0.80%	-1.76%	260	-0.30	1246
	POVC	213+50.00	1124.68						
	POVC	214+00.00	1124.21						
	POVC	214+50.00	1123.64						
	PVI	214+62.00	1123.79						
	POVC	215+00.00	1122.97						
	POVC	215+50.00	1122.21						
	PVT	215+87.00	1121.58						
Linear	PVT	215+87.00	1121.58	313	-1.76%				
	POVT	216+00.00	1121.35						
	POVT	216+50.00	1120.47						
	POVT	217+00.00	1119.59						
	POVT	217+50.00	1118.71						
	POVT	218+00.00	1117.83						
	POVT	218+50.00	1116.94						
	PVC	219+00.00	1116.06						
Symmetrical Parabola	PVC	219+00.00	1116.06	200	-1.76%	-3.97%	91	-0.55	589
	POVC	219+50.00	1115.04						
	PVI	220+00.00	1114.30						
	POVC	220+50.00	1112.18						
	PVT	221+00.00	1110.33						
Linear	PVT	221+00.00	1110.33	270	-3.97%				
	POVT	221+50.00	1108.34						
	POVT	222+00.00	1106.36						
	POVT	222+50.00	1104.38						
	POVT	223+00.00	1102.39						
	POVT	223+50.00	1100.41						
	PVC	223+70.00	1099.61						
Symmetrical Parabola	PVC	223+70.00	1099.61	250	-3.97%	-0.04%	64	1.23	
	POVC	224+00.00	1098.49						
	POVC	224+50.00	1096.94						
	PVI	224+95.00	1094.65						
	POVC	225+00.00	1095.78						
	POVC	225+50.00	1095.01						
	POVC	226+00.00	1094.63						
	PVT	226+20.00	1094.59						
Linear	PVT	226+20.00	1094.59	45	-0.04%				
	POVT	226+50.00	1094.58						
	PVC	226+65.00	1094.57						
Symmetrical Parabola	PVC	226+65.00	1094.57	260	-0.04%	-2.95%	89	-0.94	501
	POVC	227+00.00	1094.49						
	POVC	227+50.00	1094.13						
	PVI	227+95.00	1094.52						
	POVC	228+00.00	1093.50						
	POVC	228+50.00	1092.58						
	POVC	229+00.00	1091.38						
	PVT	229+25.00	1090.68						
Linear	PVT	229+25.00	1090.68	415	-2.95%				
	POVT	229+50.00	1089.94						
	POVT	230+00.00	1088.47						
	POVT	230+50.00	1086.99						
	POVT	231+00.00	1085.52						
	POVT	231+50.00	1084.04						
	POVT	232+00.00	1082.57						
	POVT	232+50.00	1081.09						
	POVT	233+00.00	1079.62						
	PVC	233+40.00	1078.44						
Symmetrical Parabola	PVC	233+40.00	1078.44	170	-2.95%	-0.85%	81	0.45	
	POVC	233+50.00	1078.15						
	POVC	234+00.00	1076.89						
	PVI	234+25.00	1075.93						
	POVC	234+50.00	1075.94						
	POVC	235+00.00	1075.30						
	PVT	235+10.00	1075.21						
Linear	PVT	235+10.00	1075.21	75	-0.85%				
	POVT	235+50.00	1074.87						
	PVC	235+85.00	1074.58						

VERTICAL ALIGNMENT SHEET 1

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_100

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 100 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	235+85.00	1074.58	160	-0.85%	-2.62%	90	-0.35	688
	POVC	236+00.00	1074.44						
	POVC	236+50.00	1073.79						
	PVI	236+65.00	1073.90						
	POVC	237+00.00	1072.87						
	PVT	237+45.00	1071.80						
Linear	PVT	237+45.00	1071.80	655	-2.62%				
	POVT	237+50.00	1071.67						
	POVT	238+00.00	1070.36						
	POVT	238+50.00	1069.05						
	POVT	239+00.00	1067.74						
	POVT	239+50.00	1066.43						
	POVT	240+00.00	1065.12						
	POVT	240+50.00	1063.81						
	POVT	241+00.00	1062.50						
	POVT	241+50.00	1061.19						
	POVT	242+00.00	1059.88						
	POVT	242+50.00	1058.57						
	POVT	243+00.00	1057.26						
	POVT	243+50.00	1055.95						
	PVC	244+00.00	1054.64						
Symmetrical Parabola	PVC	244+00.00	1054.64	130	-2.62%	-0.15%	53	0.40	
	POVC	244+50.00	1053.57						
	PVI	244+65.00	1052.94						
	POVC	245+00.00	1052.97						
	PVT	245+30.00	1052.84						
Linear	PVT	245+30.00	1052.84	55	-0.15%				
	POVT	245+50.00	1052.81						
	PVC	245+85.00	1052.76						
Symmetrical Parabola	PVC	245+85.00	1052.76	170	-0.15%	-3.28%	54	-0.66	430
	POVC	246+00.00	1052.72						
	POVC	246+50.00	1052.27						
	PVI	246+70.00	1052.63						
	POVC	247+00.00	1051.37						
	POVC	247+50.00	1050.01						
	PVT	247+55.00	1049.85						
Linear	PVT	247+55.00	1049.85	65	-3.28%				
	POVT	248+00.00	1048.37						
	PVC	248+20.00	1047.72						
Symmetrical Parabola	PVC	248+20.00	1047.72	160	-3.28%	-2.50%	206	0.16	
	POVC	248+50.00	1046.76						
	PVI	249+00.00	1045.10						
	POVC	249+50.00	1043.87						
	PVT	249+80.00	1043.10						
Linear	PVT	249+80.00	1043.10	25	-2.50%				
	POVT	250+00.00	1042.60						
	PVC	250+05.00	1042.48						
Symmetrical Parabola	PVC	250+05.00	1042.48	260	-2.50%	1.26%	69	1.22	
	POVC	250+50.00	1041.50						
	POVC	251+00.00	1040.76						
	PVI	251+35.00	1039.23						
	POVC	251+50.00	1040.37						
	VLOW	251+77.85	1040.32						
	POVC	252+00.00	1040.35						
	POVC	252+50.00	1040.69						
	PVT	252+65.00	1040.87						
Linear	PVT	252+65.00	1040.87	100	1.26%				
	POVT	253+00.00	1041.31						
	POVT	253+50.00	1041.94						
	PVC	253+65.00	1042.13						
Symmetrical Parabola	PVC	253+65.00	1042.13	250	1.26%	-4.69%	42	-1.86	306
	POVC	254+00.00	1042.42						
	VHIGH	254+17.95	1042.46						
	POVC	254+50.00	1042.34						
	PVI	254+90.00	1043.70						
	POVC	255+00.00	1041.66						
	POVC	255+50.00	1040.39						
	POVC	256+00.00	1038.52						
	PVT	256+15.00	1037.84						
Linear	PVT	256+15.00	1037.84	285	-4.69%				
	POVT	256+50.00	1036.20						
	POVT	257+00.00	1033.86						
	POVT	257+50.00	1031.51						
	POVT	258+00.00	1029.17						
	POVT	258+50.00	1026.83						
	PVC	259+00.00	1024.48						
Symmetrical Parabola	PVC	259+00.00	1024.48	140	-4.69%	-3.26%	98	0.25	
	POVC	259+50.00	1022.27						
	PVI	259+70.00	1021.20						
	POVC	260+00.00	1020.31						
	PVT	260+40.00	1018.92						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	260+40.00	1018.92	275	-3.26%				
	POVT	260+50.00	1018.59						
	POVT	261+00.00	1016.96						
	POVT	261+50.00	1015.33						
	POVT	262+00.00	1013.70						
	POVT	262+50.00	1012.07						
	POVT	263+00.00	1010.44						
	PVC	263+15.00	1009.95						
Symmetrical Parabola	PVC	263+15.00	1009.95	140	-3.26%	-2.55%	195	0.13	
	POVC	263+50.00	1008.84						
	PVI	263+85.00	1007.66						
	POVC	264+00.00	1007.36						
	POVC	264+50.00	1006.01						
	PVT	264+55.00	1005.88						
Linear	PVT	264+55.00	1005.88	315	-2.55%				
	POVT	265+00.00	1004.74						
	POVT	265+50.00	1003.47						
	POVT	266+00.00	1002.19						
	POVT	266+50.00	1000.92						
	POVT	267+00.00	999.65						
	POVT	267+50.00	998.37						
	PVC	267+70.00	997.87						
Symmetrical Parabola	PVC	267+70.00	997.87	300	-2.55%	-0.37%	138	0.82	
	POVC	268+00.00	997.13						
	POVC	268+50.00	996.06						
	POVC	269+00.00	995.17						
	PVI	269+20.00	994.05						
	POVC	269+50.00	994.46						
	POVC	270+00.00	993.93						
	POVC	270+50.00	993.58						
	PVT	270+70.00	993.49						
Linear	PVT	270+70.00	993.49	60	-0.37%				
	POVT	271+00.00	993.38						
	PVC	271+30.00	993.27						
Symmetrical Parabola	PVC	271+30.00	993.27	300	-0.37%	0.50%	345	0.33	
	POVC	271+50.00	993.21						
	POVC	272+00.00	993.09						
	POVC	272+50.00	993.04						
	VLOW	272+57.26	993.04						
	PVI	272+80.00	992.72						
	POVC	273+00.00	993.07						
	POVC	273+50.00	993.16						
	POVC	274+00.00	993.33						
	PVT	274+30.00	993.47						
Linear	PVT	274+30.00	993.47	210	0.50%				
	POVT	274+50.00	993.57						
	POVT	275+00.00	993.82						
	POVT	275+50.00	994.07						
	POVT	276+00.00	994.32						
	PVC	276+40.00	994.52						
Symmetrical Parabola	PVC	276+40.00	994.52	180	0.50%	-4.19%	38	-1.06	320
	POVC	276+50.00	994.56						
	VHIGH	276+59.22	994.57						
	POVC	277+00.00	994.35						
	PVI	277+30.00	994.97						
	POVC	277+50.00	993.50						
	POVC	278+00.00	991.99						
	PVT	278+20.00	991.20						
Linear	PVT	278+20.00	991.20	20	-4.19%				
	PVC	278+40.00	990.36						
Symmetrical Parabola	PVC	278+40.00	990.36	250	-4.19%	-4.91%	345	-0.23	1614
	POVC	278+50.00	989.94						
	POVC	279+00.00	987.80						
	POVC	279+50.00	985.58						
	PVI	279+65.00	985.13						
	POVC	280+00.00	983.29						
	POVC	280+50.00	980.93						
	PVT	280+90.00	978.98						

VERTICAL ALIGNMENT SHEET 2

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_101

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 101 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	280+90.00	978.98	395	-4.91%				
	POVT	281+00.00	978.49						
	POVT	281+50.00	976.04						
	POVT	282+00.00	973.58						
	POVT	282+50.00	971.12						
	POVT	283+00.00	968.66						
	POVT	283+50.00	966.21						
	POVT	284+00.00	963.75						
	POVT	284+50.00	961.29						
	PVC	284+85.00	959.57						
Symmetrical Parabola	PVC	284+85.00	959.57	300	-4.91%	-1.78%	96	1.18	
	POVC	285+00.00	958.85						
	POVC	285+50.00	956.60						
	POVC	286+00.00	954.61						
	PVI	286+35.00	952.20						
	POVC	286+50.00	952.88						
	POVC	287+00.00	951.42						
	POVC	287+50.00	950.22						
	PVT	287+85.00	949.53						
Linear	PVT	287+85.00	949.53	260	-1.78%				
	POVT	288+00.00	949.26						
	POVT	288+50.00	948.37						
	POVT	289+00.00	947.48						
	POVT	289+50.00	946.59						
	POVT	290+00.00	945.70						
	PVC	290+45.00	944.90						
Symmetrical Parabola	PVC	290+45.00	944.90	100	-1.78%	-1.61%	599	0.02	
	POVC	290+50.00	944.81						
	PVI	290+95.00	944.01						
	POVC	291+00.00	943.94						
	PVT	291+45.00	943.20						
Linear	PVT	291+45.00	943.20	350	-1.61%				
	POVT	291+50.00	943.12						
	POVT	292+00.00	942.31						
	POVT	292+50.00	941.51						
	POVT	293+00.00	940.70						
	POVT	293+50.00	939.89						
	POVT	294+00.00	939.09						
	POVT	294+50.00	938.28						
	PVC	294+95.00	937.55						
Symmetrical Parabola	PVC	294+95.00	937.55	300	-1.61%	-0.28%	225	0.50	
	POVC	295+00.00	937.47						
	POVC	295+50.00	936.73						
	POVC	296+00.00	936.10						
	PVI	296+45.00	935.13						
	POVC	296+50.00	935.58						
	POVC	297+00.00	935.18						
	POVC	297+50.00	934.88						
	PVT	297+95.00	934.71						
Linear	PVT	297+95.00	934.71	805	-0.28%				
	POVT	298+00.00	934.69						
	POVT	298+50.00	934.55						
	POVT	299+00.00	934.41						
	POVT	299+50.00	934.27						
	POVT	300+00.00	934.13						
	POVT	300+50.00	933.99						
	POVT	301+00.00	933.85						
	POVT	301+50.00	933.71						
	POVT	302+00.00	933.57						
	POVT	302+50.00	933.42						
	POVT	303+00.00	933.28						
	POVT	303+50.00	933.14						
	POVT	304+00.00	933.00						
	POVT	304+50.00	932.86						
	POVT	305+00.00	932.72						
	POVT	305+50.00	932.58						
	PVC	306+00.00	932.44						
Symmetrical Parabola	PVC	306+00.00	932.44	260	-0.28%	-6.48%	42	-2.01	304
	POVC	306+50.00	932.00						
	POVC	307+00.00	930.96						
	PVI	307+30.00	932.07						
	POVC	307+50.00	929.33						
	POVC	308+00.00	927.11						
	POVC	308+50.00	924.29						
	PVT	308+60.00	923.65						
Linear	PVT	308+60.00	923.65	125	-6.48%				
	POVT	309+00.00	921.06						
	POVT	309+50.00	917.82						
	PVC	309+85.00	915.56						
Symmetrical Parabola	PVC	309+85.00	915.56	100	-6.48%	-4.07%	42	0.30	
	POVC	310+00.00	914.61						
	PVI	310+35.00	912.32						
	POVC	310+50.00	911.85						
	PVT	310+85.00	910.28						
Linear	PVT	310+85.00	910.28	110	-4.07%				
	POVT	311+00.00	909.67						
	POVT	311+50.00	907.63						
	PVC	311+95.00	905.80						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	311+95.00	905.80	100	-4.07%	-3.47%	165	0.08	
	POVC	312+00.00	905.60						
	PVI	312+45.00	903.77						
	POVC	312+50.00	903.65						
	PVT	312+95.00	902.03						
Linear	PVT	312+95.00	902.03	290	-3.47%				
	POVT	313+00.00	901.86						
	POVT	313+50.00	900.13						
	POVT	314+00.00	898.39						
	POVT	314+50.00	896.66						
	POVT	315+00.00	894.93						
	POVT	315+50.00	893.19						
	PVC	315+85.00	891.98						
Symmetrical Parabola	PVC	315+85.00	891.98	170	-3.47%	-1.52%	87	0.41	
	POVC	316+00.00	891.47						
	POVC	316+50.00	889.97						
	PVI	316+70.00	889.04						
	POVC	317+00.00	888.75						
	POVC	317+50.00	887.82						
	PVT	317+55.00	887.75						
Linear	PVT	317+55.00	887.75	380	-1.52%				
	POVT	318+00.00	887.06						
	POVT	318+50.00	886.31						
	POVT	319+00.00	885.55						
	POVT	319+50.00	884.79						
	POVT	320+00.00	884.03						
	POVT	320+50.00	883.27						
	POVT	321+00.00	882.52						
	PVC	321+35.00	881.98						
Symmetrical Parabola	PVC	321+35.00	881.98	230	-1.52%	-2.04%	441	-0.15	2186
	POVC	321+50.00	881.75						
	POVC	322+00.00	880.95						
	PVI	322+50.00	880.24						
	POVC	323+00.00	879.17						
	POVC	323+50.00	878.20						
	PVT	323+65.00	877.90						
Linear	PVT	323+65.00	877.90	320	-2.04%				
	POVT	324+00.00	877.18						
	POVT	324+50.00	876.17						
	POVT	325+00.00	875.15						
	POVT	325+50.00	874.13						
	POVT	326+00.00	873.11						
	POVT	326+50.00	872.09						
	PVC	326+85.00	871.38						
Symmetrical Parabola	PVC	326+85.00	871.38	150	-2.04%	-0.47%	96	0.29	
	POVC	327+00.00	871.08						
	POVC	327+50.00	870.27						
	PVI	327+60.00	869.85						
	POVC	328+00.00	869.72						
	PVT	328+35.00	869.49						
Linear	PVT	328+35.00	869.49	1110	-0.47%				
	POVT	328+50.00	869.42						
	POVT	329+00.00	869.19						
	POVT	329+50.00	868.95						
	POVT	330+00.00	868.71						
	POVT	330+50.00	868.48						
	POVT	331+00.00	868.24						
	POVT	331+50.00	868.00						
	POVT	332+00.00	867.77						
	POVT	332+50.00	867.53						
	POVT	333+00.00	867.29						
	POVT	333+50.00	867.06						
	POVT	334+00.00	866.82						
	POVT	334+50.00	866.58						
	POVT	335+00.00	866.35						
	POVT	335+50.00	866.11						
	POVT	336+00.00	865.87						
	POVT	336+50.00	865.64						
	POVT	337+00.00	865.40						
	POVT	337+50.00	865.16						
	POVT	338+00.00	864.93						
	POVT	338+50.00	864.69						
	POVT	339+00.00	864.45						
	PVC	339+45.00	864.24						

VERTICAL ALIGNMENT SHEET 3

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_I02

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET I02 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	339+45.00	864.24	190	-0.47%	1.43%	100	0.45	
	POVC	339+50.00	864.22						
	VLOW	339+92.16	864.13						
	POVC	340+00.00	864.13						
	PVI	340+40.00	863.79						
	POVC	340+50.00	864.30						
	POVC	341+00.00	864.71						
	PVT	341+35.00	865.15						
Linear	PVT	341+35.00	865.15	183	1.43%				
	POVT	341+50.00	865.37						
	POVT	342+00.00	866.08						
	POVT	342+50.00	866.80						
	POVT	343+00.00	867.52						
	PVC	343+18.00	867.78						
Symmetrical Parabola	PVC	343+18.00	867.78	144	1.43%	-1.88%	43	-0.60	398
	POVC	343+50.00	868.12						
	VHIGH	343+80.29	868.22						
	PVI	343+90.00	868.81						
	POVC	344+00.00	868.18						
	POVC	344+50.00	867.66						
	PVCC	344+62.00	867.46						
Symmetrical Parabola	PVCC	344+62.00	867.46	504	-1.88%	-6.83%	102	-3.12	469
	POVC	345+00.00	866.67						
	POVC	345+50.00	865.42						
	POVC	346+00.00	863.93						
	POVC	346+50.00	862.19						
	POVC	347+00.00	860.20						
	PVI	347+14.00	862.72						
	POVC	347+50.00	857.97						
	POVC	348+00.00	855.49						
	POVC	348+50.00	852.77						
	POVC	349+00.00	849.81						
	POVC	349+50.00	846.59						
	PVT	349+66.00	845.51						
Linear	PVT	349+66.00	845.51	104	-6.83%				
	POVT	350+00.00	843.19						
	POVT	350+50.00	839.78						
	PVC	350+70.00	838.42						
Symmetrical Parabola	PVC	350+70.00	838.42	380	-6.83%	-1.19%	67	2.68	
	POVC	351+00.00	836.43						
	POVC	351+50.00	833.43						
	POVC	352+00.00	830.80						
	POVC	352+50.00	828.53						
	PVI	352+60.00	825.45						
	POVC	353+00.00	826.64						
	POVC	353+50.00	825.12						
	POVC	354+00.00	823.97						
	PVT	354+50.00	823.19						
Linear	PVT	354+50.00	823.19	325	-1.19%				
	POVT	355+00.00	822.60						
	POVT	355+50.00	822.00						
	POVT	356+00.00	821.41						
	POVT	356+50.00	820.82						
	POVT	357+00.00	820.22						
	POVT	357+50.00	819.63						
	PVC	357+75.00	819.34						
Symmetrical Parabola	PVC	357+75.00	819.34	230	-1.19%	-1.69%	458	-0.14	2265
	POVC	358+00.00	819.03						
	POVC	358+50.00	818.38						
	PVI	358+90.00	817.97						
	POVC	359+00.00	817.68						
	POVC	359+50.00	816.92						
	POVC	360+00.00	816.11						
	PVT	360+05.00	816.03						
Linear	PVT	360+05.00	816.03	75	-1.69%				
	POVT	360+50.00	815.27						
	PVC	360+80.00	814.76						
Symmetrical Parabola	PVC	360+80.00	814.76	280	-1.69%	-0.75%	299	0.33	
	POVC	361+00.00	814.43						
	POVC	361+50.00	813.66						
	POVC	362+00.00	812.98						
	PVI	362+20.00	812.40						
	POVC	362+50.00	812.38						
	POVC	363+00.00	811.86						
	POVC	363+50.00	811.42						
	PVT	363+60.00	811.35						
Linear	PVT	363+60.00	811.35	230	-0.75%				
	POVT	364+00.00	811.04						
	POVT	364+50.00	810.67						
	POVT	365+00.00	810.29						
	POVT	365+50.00	809.92						
	PVC	365+90.00	809.62						
Symmetrical Parabola	PVC	365+90.00	809.62	100	-0.75%	-1.22%	214	-0.06	2363
	POVC	366+00.00	809.54						
	PVI	366+40.00	809.24						
	POVC	366+50.00	809.08						
	PVT	366+90.00	808.63						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	366+90.00	808.63	670	-1.22%				
	POVT	367+00.00	808.51						
	POVT	367+50.00	807.90						
	POVT	368+00.00	807.29						
	POVT	368+50.00	806.68						
	POVT	369+00.00	806.07						
	POVT	369+50.00	805.46						
	POVT	370+00.00	804.85						
	POVT	370+50.00	804.24						
	POVT	371+00.00	803.63						
	POVT	371+50.00	803.03						
	POVT	372+00.00	802.42						
	POVT	372+50.00	801.81						
	POVT	373+00.00	801.20						
	POVT	373+50.00	800.59						
	PVC	373+60.00	800.47						
Symmetrical Parabola	PVC	373+60.00	800.47	120	-1.22%	0.16%	87	0.21	
	POVC	374+00.00	800.07						
	PVI	374+20.00	799.73						
	POVC	374+50.00	799.84						
	VLOW	374+65.73	799.82						
	PVT	374+80.00	799.83						
Linear	PVT	374+80.00	799.83	80	0.16%				
	POVT	375+00.00	799.87						
	POVT	375+50.00	799.95						
	PVC	375+60.00	799.97						
Symmetrical Parabola	PVC	375+60.00	799.97	100	0.16%	-1.02%	84	-0.15	958
	VHIGH	375+73.84	799.98						
	POVC	376+00.00	799.94						
	PVI	376+10.00	800.05						
	POVC	376+50.00	799.63						
	PVT	376+60.00	799.54						
Linear	PVT	376+60.00	799.54	115	-1.02%				
	POVT	377+00.00	799.13						
	POVT	377+50.00	798.61						
	PVC	377+75.00	798.36						
Symmetrical Parabola	PVC	377+75.00	798.36	150	-1.02%	-0.23%	188	0.15	
	POVC	378+00.00	798.12						
	PVI	378+50.00	797.59						
	POVC	379+00.00	797.49						
	PVT	379+25.00	797.42						
Linear	PVT	379+25.00	797.42	400	-0.23%				
	POVT	379+50.00	797.36						
	POVT	380+00.00	797.25						
	POVT	380+50.00	797.14						
	POVT	381+00.00	797.03						
	POVT	381+50.00	796.91						
	POVT	382+00.00	796.80						
	POVT	382+50.00	796.69						
	POVT	383+00.00	796.58						
	PVC	383+25.00	796.52						
Symmetrical Parabola	PVC	383+25.00	796.52	330	-0.23%	-2.40%	152	-0.90	661
	POVC	383+50.00	796.44						
	POVC	384+00.00	796.17						
	POVC	384+50.00	795.72						
	PVI	384+90.00	796.15						
	POVC	385+00.00	795.12						
	POVC	385+50.00	794.34						
	POVC	386+00.00	793.41						
	POVC	386+50.00	792.30						
	PVT	386+55.00	792.18						
Linear	PVT	386+55.00	792.18	112.5	-2.40%				
	POVT	387+00.00	791.10						
	POVT	387+50.00	789.90						
	PVC	387+67.50	789.48						
Symmetrical Parabola	PVC	387+67.50	789.48	65	-2.40%	-1.75%	100	0.05	
	PVI	388+00.00	788.70						
	PVT	388+32.50	788.13						
Linear	PVT	388+32.50	788.13	17.5	-1.75%				
	PVC	388+50.00	787.83						

VERTICAL ALIGNMENT SHEET 4

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_103

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 103 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	388+50.00	787.83	800	-1.75%	-0.13%	494	1.62	
	POVC	389+00.00	786.98						
	POVC	389+50.00	786.18						
	POVC	390+00.00	785.43						
	POVC	390+50.00	784.73						
	POVC	391+00.00	784.08						
	POVC	391+50.00	783.49						
	POVC	392+00.00	782.94						
	PVI	392+50.00	780.83						
	POVC	393+00.00	782.00						
	POVC	393+50.00	781.61						
	POVC	394+00.00	781.26						
	POVC	394+50.00	780.97						
	POVC	395+00.00	780.73						
	POVC	395+50.00	780.54						
	POVC	396+00.00	780.39						
	PVT	396+50.00	780.30						
Linear	PVT	396+50.00	780.30	290	-0.13%				
	POVT	397+00.00	780.24						
	POVT	397+50.00	780.17						
	POVT	398+00.00	780.11						
	POVT	398+50.00	780.04						
	POVT	399+00.00	779.98						
	PVC	399+40.00	779.92						
Symmetrical Parabola	PVC	399+40.00	779.92	120	-0.13%	-1.51%	87	-0.21	840
	POVC	399+50.00	779.91						
	PVI	400+00.00	779.85						
	POVC	400+50.00	779.08						
	PVT	400+60.00	778.94						
Linear	PVT	400+60.00	778.94	195	-1.51%				
	POVT	401+00.00	778.33						
	POVT	401+50.00	777.57						
	POVT	402+00.00	776.82						
	POVT	402+50.00	776.06						
	PVC	402+55.00	775.98						
Symmetrical Parabola	PVC	402+55.00	775.98	150	-1.51%	-0.09%	105	0.27	
	POVC	403+00.00	775.40						
	PVI	403+30.00	774.85						
	POVC	403+50.00	774.98						
	POVC	404+00.00	774.79						
	PVT	404+05.00	774.78						
Linear	PVT	404+05.00	774.78	490	-0.09%				
	POVT	404+50.00	774.74						
	POVT	405+00.00	774.70						
	POVT	405+50.00	774.66						
	POVT	406+00.00	774.61						
	POVT	406+50.00	774.57						
	POVT	407+00.00	774.52						
	POVT	407+50.00	774.48						
	POVT	408+00.00	774.44						
	POVT	408+20.00	774.42						
	POVT	F 0+00.00	774.42						
	POVT	F 0+50.00	774.37						
	PVC	F 0+75.00	774.35						
Symmetrical Parabola	PVC	F 0+75.00	774.35	170	-0.09%	1.60%	101	0.36	
	VLOW	F 0+83.84	774.35						
	POVC	F 1+00.00	774.36						
	POVC	F 1+50.00	774.57						
	PVI	F 1+60.00	774.28						
	POVC	F 2+00.00	775.02						
	PVT	F 2+45.00	775.64						
Linear	PVT	F 2+45.00	775.64	170	1.60%				
	POVT	F 2+50.00	775.72						
	POVT	F 3+00.00	776.52						
	POVT	F 3+50.00	777.32						
	POVT	F 4+00.00	778.12						
	PVC	F 4+15.00	778.37						
Symmetrical Parabola	PVC	F 4+15.00	778.37	310	1.60%	-2.10%	84	-1.43	447
	POVC	F 4+50.00	778.85						
	POVC	F 5+00.00	779.30						
	VHIGH	F 5+49.25	779.44						
	POVC	F 5+50.00	779.44						
	PVI	F 5+70.00	780.85						
	POVC	F 6+00.00	779.29						
	POVC	F 6+50.00	778.84						
	POVC	F 7+00.00	778.08						
	PVT	F 7+25.00	777.60						
Linear	PVT	F 7+25.00	777.60	315	-2.10%				
	POVT	F 7+50.00	777.07						
	POVT	F 8+00.00	776.02						
	POVT	F 8+50.00	774.97						
	POVT	F 9+00.00	773.93						
	POVT	F 9+50.00	772.88						
	POVT	F 10+00.00	771.83						
	PVC	F 10+40.00	770.99						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	F 10+40.00	770.99	120	-2.10%	-0.88%	99	0.18	
	POVC	F 10+50.00	770.78						
	PVI	F 11+00.00	769.73						
	POVC	F 11+50.00	769.29						
	PVT	F 11+60.00	769.20						
Linear	PVT	F 11+60.00	769.20	230	-0.88%				
	POVT	F 12+00.00	768.85						
	POVT	F 12+50.00	768.41						
	POVT	F 13+00.00	767.96						
	POVT	F 13+50.00	767.52						
	PVC	F 13+90.00	767.17						
Symmetrical Parabola	PVC	F 13+90.00	767.17	230	-0.88%	5.19%	38	1.75	
	POVC	F 14+00.00	767.10						
	VLOW	F 14+23.42	767.02						
	POVC	F 14+50.00	767.12						
	POVC	F 15+00.00	767.80						
	PVI	F 15+05.00	766.16						
	POVC	F 15+50.00	769.14						
	POVC	F 16+00.00	771.14						
	PVT	F 16+20.00	772.12						
Linear	PVT	F 16+20.00	772.12	80	5.19%				
	POVT	F 16+50.00	773.68						
	PVC	F 17+00.00	776.27						
Symmetrical Parabola	PVC	F 17+00.00	776.27	400	5.19%	-4.90%	40	-5.04	293
	POVC	F 17+50.00	778.55						
	POVC	F 18+00.00	780.20						
	POVC	F 18+50.00	781.22						
	PVI	F 19+00.00	786.65						
	VHIGH	F 19+05.78	781.61						
	POVC	F 19+50.00	781.36						
	POVC	F 20+00.00	780.49						
	POVC	F 20+50.00	778.99						
	PVT	F 21+00.00	776.86						
Linear	PVT	F 21+00.00	776.86	40	-4.90%				
	PVC	F 21+40.00	774.90						
Symmetrical Parabola	PVC	F 21+40.00	774.90	200	-4.90%	1.80%	30	1.67	
	POVC	F 21+50.00	774.42						
	POVC	F 22+00.00	772.56						
	PVI	F 22+40.00	770.00						
	POVC	F 22+50.00	771.54						
	VLOW	F 22+86.32	771.31						
	POVC	F 23+00.00	771.35						
	PVT	F 23+40.00	771.80						
Linear	PVT	F 23+40.00	771.80	55	1.80%				
	POVT	F 23+50.00	771.98						
	PVC	F 23+95.00	772.78						
Symmetrical Parabola	PVC	F 23+95.00	772.78	570	1.80%	-2.92%	121	-3.36	511
	POVC	F 24+00.00	772.87						
	POVC	F 24+50.00	773.65						
	POVC	F 25+00.00	774.21						
	POVC	F 25+50.00	774.57						
	POVC	F 26+00.00	774.73						
	VHIGH	F 26+12.03	774.73						
	POVC	F 26+50.00	774.67						
	PVI	F 26+80.00	777.90						
	POVC	F 27+00.00	774.41						
	POVC	F 27+50.00	773.95						
	POVC	F 28+00.00	773.27						
	POVC	F 28+50.00	772.39						
	POVC	F 29+00.00	771.30						
	POVC	F 29+50.00	770.01						
	PVT	F 29+65.00	769.58						
Linear	PVT	F 29+65.00	769.58	35	-2.92%				
	PVC	F 30+00.00	768.56						
Symmetrical Parabola	PVC	F 30+00.00	768.56	160	-2.92%	-1.94%	163	0.20	
	POVC	F 30+50.00	767.17						
	PVI	F 30+80.00	766.22						
	POVC	F 31+00.00	765.94						
	POVC	F 31+50.00	764.86						
	PVCC	F 31+60.00	764.66						

VERTICAL ALIGNMENT SHEET 5

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_104

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 104 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVCC	F 31+60.00	764.66	640	-1.94%	-0.52%	452	1.13	
	POVC	F 32+00.00	763.91						
	POVC	F 32+50.00	763.01						
	POVC	F 33+00.00	762.16						
	POVC	F 33+50.00	761.37						
	POVC	F 34+00.00	760.64						
	POVC	F 34+50.00	759.96						
	PVI	F 34+80.00	758.45						
	POVC	F 35+00.00	759.34						
	POVC	F 35+50.00	758.78						
	POVC	F 36+00.00	758.26						
	POVC	F 36+50.00	757.81						
	POVC	F 37+00.00	757.41						
	POVC	F 37+50.00	757.06						
	PVT	F 38+00.00	756.77						
Linear	PVT	F 38+00.00	756.77	235	-0.52%				
	POVT	F 38+50.00	756.51						
	POVT	F 39+00.00	756.25						
	POVT	F 39+50.00	755.98						
	POVT	F 40+00.00	755.72						
	PVC	F 40+35.00	755.54						
Symmetrical Parabola	PVC	F 40+35.00	755.54	130	-0.52%	-2.88%	55	-0.38	524
	POVC	F 40+50.00	755.44						
	PVI	F 41+00.00	755.20						
	POVC	F 41+50.00	753.74						
	PVT	F 41+65.00	753.33						
Linear	PVT	F 41+65.00	753.33	60	-2.88%				
	POVT	F 42+00.00	752.32						
	PVC	F 42+25.00	751.60						
Symmetrical Parabola	PVC	F 42+25.00	751.60	150	-2.88%	-0.34%	59	0.47	
	POVC	F 42+50.00	750.94						
	PVI	F 43+00.00	749.45						
	POVC	F 43+50.00	749.33						
	PVT	F 43+75.00	749.19						
Linear	PVT	F 43+75.00	749.19	330	-0.34%				
	POVT	F 44+00.00	749.10						
	POVT	F 44+50.00	748.93						
	POVT	F 45+00.00	748.76						
	POVT	F 45+50.00	748.58						
	POVT	F 46+00.00	748.41						
	POVT	F 46+50.00	748.24						
	POVT	F 47+00.00	748.07						
	PVC	F 47+05.00	748.05						
Symmetrical Parabola	PVC	F 47+05.00	748.05	230	-0.34%	0.81%	200	0.33	
	POVC	F 47+50.00	747.95						
	VLOW	F 47+73.94	747.93						
	POVC	F 48+00.00	747.95						
	PVI	F 48+20.00	747.65						
	POVC	F 48+50.00	748.08						
	POVC	F 49+00.00	748.33						
	PVT	F 49+35.00	748.58						
Linear	PVT	F 49+35.00	748.58	255	0.81%				
	POVT	F 49+50.00	748.70						
	POVT	F 50+00.00	749.10						
	POVT	F 50+50.00	749.51						
	POVT	F 51+00.00	749.91						
	POVT	F 51+50.00	750.31						
	PVC	F 51+90.00	750.64						
Symmetrical Parabola	PVC	F 51+90.00	750.64	120	0.81%	-1.27%	58	-0.31	581
	POVC	F 52+00.00	750.71						
	VHIGH	F 52+36.66	750.82						
	PVI	F 52+50.00	751.12						
	POVC	F 53+00.00	750.48						
	PVT	F 53+10.00	750.36						
Linear	PVT	F 53+10.00	750.36	190	-1.27%				
	POVT	F 53+50.00	749.85						
	POVT	F 54+00.00	749.22						
	POVT	F 54+50.00	748.59						
	PVC	F 55+00.00	747.95						
Symmetrical Parabola	PVC	F 55+00.00	747.95	140	-1.27%	-0.86%	347	0.07	
	POVC	F 55+50.00	747.36						
	PVI	F 55+70.00	747.07						
	POVC	F 56+00.00	746.83						
	PVT	F 56+40.00	746.46						
Linear	PVT	F 56+40.00	746.46	310	-0.86%				
	POVT	F 56+50.00	746.38						
	POVT	F 57+00.00	745.94						
	POVT	F 57+50.00	745.51						
	POVT	F 58+00.00	745.08						
	POVT	F 58+50.00	744.65						
	POVT	F 59+00.00	744.22						
	PVC	F 59+50.00	743.79						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	F 59+50.00	743.79	240	-0.86%	2.21%	78	0.92	
	POVC	F 60+00.00	743.52						
	VLOW	F 60+17.44	743.50						
	POVC	F 60+50.00	743.56						
	PVI	F 60+70.00	742.75						
	POVC	F 61+00.00	743.93						
	POVC	F 61+50.00	744.62						
	PVT	F 61+90.00	745.40						
Linear	PVT	F 61+90.00	745.40	245	2.21%				
	POVT	F 62+00.00	745.62						
	POVT	F 62+50.00	746.73						
	POVT	F 63+00.00	747.83						
	POVT	F 63+50.00	748.93						
	POVT	F 64+00.00	750.04						
	PVC	F 64+35.00	750.81						
Symmetrical Parabola	PVC	F 64+35.00	750.81	130	2.21%	-1.46%	35	-0.60	360
	POVC	F 64+50.00	751.11						
	PVI	F 65+00.00	752.24						
	VHIGH	F 65+13.33	751.67						
	POVC	F 65+50.00	751.48						
	PVT	F 65+65.00	751.30						
Linear	PVT	F 65+65.00	751.30	60	-1.46%				
	POVT	F 66+00.00	750.79						
	PVC	F 66+25.00	750.42						
Symmetrical Parabola	PVC	F 66+25.00	750.42	130	-1.46%	2.15%	36	0.59	
	POVC	F 66+50.00	750.15						
	VLOW	F 66+77.49	750.04						
	PVI	F 66+90.00	749.48						
	POVC	F 67+00.00	750.11						
	POVC	F 67+50.00	750.77						
	PVT	F 67+55.00	750.88						
Linear	PVT	F 67+55.00	750.88	90	2.15%				
	POVT	F 68+00.00	751.84						
	PVC	F 68+45.00	752.81						
Symmetrical Parabola	PVC	F 68+45.00	752.81	200	2.15%	-2.23%	46	-1.09	347
	POVC	F 68+50.00	752.92						
	POVC	F 69+00.00	753.66						
	VHIGH	F 69+43.27	753.87						
	PVI	F 69+45.00	754.96						
	POVC	F 69+50.00	753.86						
	POVC	F 70+00.00	753.51						
	PVT	F 70+45.00	752.73						
Linear	PVT	F 70+45.00	752.73	115	-2.23%				
	POVT	F 70+50.00	752.62						
	POVT	F 71+00.00	751.51						
	POVT	F 71+50.00	750.40						
	PVC	F 71+60.00	750.17						
Symmetrical Parabola	PVC	F 71+60.00	750.17	180	-2.23%	4.27%	28	1.46	
	POVC	F 72+00.00	749.57						
	VLOW	F 72+21.67	749.49						
	PVI	F 72+50.00	748.17						
	POVC	F 73+00.00	750.60						
	PVT	F 73+40.00	752.02						
Linear	PVT	F 73+40.00	752.02	80	4.27%				
	POVT	F 73+50.00	752.44						
	POVT	F 74+00.00	754.58						
	PVC	F 74+20.00	755.43						
Symmetrical Parabola	PVC	F 74+20.00	755.43	180	4.27%	-0.17%	41	-1.00	333
	POVC	F 74+50.00	756.60						
	POVC	F 75+00.00	758.06						
	PVI	F 75+10.00	759.28						
	POVC	F 75+50.00	758.90						
	VHIGH	F 75+93.04	759.13						
	PVT	F 76+00.00	759.12						
Linear	PVT	F 76+00.00	759.12	130	-0.17%				
	POVT	F 76+50.00	759.04						
	POVT	F 77+00.00	758.95						
	PVC	F 77+30.00	758.90						
Symmetrical Parabola	PVC	F 77+30.00	758.90	140	-0.17%	2.96%	45	0.55	
	VLOW	F 77+37.69	758.89						
	POVC	F 77+50.00	758.91						
	PVI	F 78+00.00	758.78						
	POVC	F 78+50.00	760.30						
	PVRC	F 78+70.00	760.85						

VERTICAL ALIGNMENT SHEET 6

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_l05

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 105 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVRC	F 78+70.00	760.85	220	2.96%	-0.49%	64	-0.95	423
	POVC	F 79+00.00	761.66						
	POVC	F 79+50.00	762.71						
	PVI	F 79+80.00	764.10						
	POVC	F 80+00.00	763.37						
	POVC	F 80+50.00	763.63						
	VHIGH	F 80+58.49	763.63						
	PVT	F 80+90.00	763.56						
Linear	PVT	F 80+90.00	763.56	170	-0.49%				
	POVT	F 81+00.00	763.51						
	POVT	F 81+50.00	763.26						
	POVT	F 82+00.00	763.01						
	POVT	F 82+50.00	762.77						
	PVC	F 82+60.00	762.72						
Symmetrical Parabola	PVC	F 82+60.00	762.72	140	-0.49%	-2.42%	73	-0.34	632
	POVC	F 83+00.00	762.41						
	PVI	F 83+30.00	762.37						
	POVC	F 83+50.00	761.72						
	PVCC	F 84+00.00	760.68						
Symmetrical Parabola	PVCC	F 84+00.00	760.68	80	-2.42%	-3.62%	66	-0.12	937
	PVI	F 84+40.00	759.71						
	POVC	F 84+50.00	759.28						
	PVRC	F 84+80.00	758.27						
Symmetrical Parabola	PVRC	F 84+80.00	758.27	120	-3.62%	-2.44%	102	0.18	
	POVC	F 85+00.00	757.56						
	PVI	F 85+40.00	756.10						
	POVC	F 85+50.00	755.97						
	PVT	F 86+00.00	754.63						
Linear	PVT	F 86+00.00	754.63	150	-2.44%				
	POVT	F 86+50.00	753.41						
	POVT	F 87+00.00	752.19						
	PVC	F 87+50.00	750.97						
Symmetrical Parabola	PVC	F 87+50.00	750.97	260	-2.44%	2.14%	57	1.49	
	POVC	F 88+00.00	749.97						
	POVC	F 88+50.00	749.41						
	PVI	F 88+80.00	747.79						
	VLOW	F 88+88.41	749.28						
	POVC	F 89+00.00	749.29						
	POVC	F 89+50.00	749.61						
	POVC	F 90+00.00	750.38						
	PVT	F 90+10.00	750.58						
Linear	PVT	F 90+10.00	750.58	65	2.14%				
	POVT	F 90+50.00	751.44						
	PVC	F 90+75.00	751.98						
Symmetrical Parabola	PVC	F 90+75.00	751.98	110	2.14%	-4.09%	18	-0.86	228
	POVC	F 91+00.00	752.34						
	VHIGH	F 91+12.83	752.38						
	PVI	F 91+30.00	753.16						
	POVC	F 91+50.00	751.99						
	PVT	F 91+85.00	750.91						
Linear	PVT	F 91+85.00	750.91	240	-4.09%				
	POVT	F 92+00.00	750.29						
	POVT	F 92+50.00	748.25						
	POVT	F 93+00.00	746.20						
	POVT	F 93+50.00	744.16						
	POVT	F 94+00.00	742.11						
	PVC	F 94+25.00	741.09						
Symmetrical Parabola	PVC	F 94+25.00	741.09	150	-4.09%	-1.94%	70	0.40	
	POVC	F 94+50.00	740.11						
	PVI	F 95+00.00	738.02						
	POVC	F 95+50.00	737.09						
	PVT	F 95+75.00	736.57						
Linear	PVT	F 95+75.00	736.57	152.5	-1.94%				
	POVT	F 96+00.00	736.08						
	POVT	F 96+50.00	735.11						
	POVT	F 97+00.00	734.14						
	PVC	F 97+27.50	733.61						
Symmetrical Parabola	PVC	F 97+27.50	733.61	145	-1.94%	-0.30%	88	0.30	
	POVC	F 97+50.00	733.20						
	PVI	F 98+00.00	732.21						
	POVC	F 98+50.00	732.09						
	PVCC	F 98+72.50	731.99						
Symmetrical Parabola	PVCC	F 98+72.50	731.99	295	-0.30%	2.54%	104	1.04	
	POVC	F 99+00.00	731.94						
	VLOW	F 99+03.56	731.94						
	POVC	F 99+50.00	732.05						
	POVC	F 100+00.00	732.39						
	PVI	F 100+20.00	731.55						
	POVC	F 100+50.00	732.97						
	POVC	F 101+00.00	733.80						
	POVC	F 101+50.00	734.86						
	PVT	F 101+67.50	735.29						
Linear	PVT	F 101+67.50	735.29	92.5	2.54%				
	POVT	F 102+00.00	736.11						
	POVT	F 102+50.00	737.38						
	PVC	F 102+60.00	737.64						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	F 102+60.00	737.64	340	2.54%	-4.70%	47	-3.07	318
	POVC	F 103+00.00	738.48						
	POVC	F 103+50.00	739.06						
	VHIGH	F 103+79.16	739.15						
	POVC	F 104+00.00	739.10						
	PVI	F 104+30.00	741.95						
	POVC	F 104+50.00	738.61						
	POVC	F 105+00.00	737.59						
	POVC	F 105+50.00	736.04						
	PVT	F 106+00.00	733.96						
Linear	PVT	F 106+00.00	733.96	20	-4.70%				
	PVC	F 106+20.00	733.02						
Symmetrical Parabola	PVC	F 106+20.00	733.02	110	-4.70%	-2.79%	58	0.26	
	POVC	F 106+50.00	731.69						
	PVI	F 106+75.00	730.43						
	POVC	F 107+00.00	729.81						
	PVT	F 107+30.00	728.90						
Linear	PVT	F 107+30.00	728.90	90	-2.79%				
	POVT	F 107+50.00	728.34						
	POVT	F 108+00.00	726.95						
	PVC	F 108+20.00	726.39						
Symmetrical Parabola	PVC	F 108+20.00	726.39	300	-2.79%	2.12%	61	1.84	
	POVC	F 108+50.00	725.62						
	POVC	F 109+00.00	724.68						
	POVC	F 109+50.00	724.14						
	PVI	F 109+70.00	722.20						
	VLOW	F 109+90.47	724.01						
	POVC	F 110+00.00	724.02						
	POVC	F 110+50.00	724.30						
	POVC	F 111+00.00	724.99						
	PVT	F 111+20.00	725.38						
Linear	PVT	F 111+20.00	725.38	50	2.12%				
	POVT	F 111+50.00	726.02						
	PVC	F 111+70.00	726.44						
Symmetrical Parabola	PVC	F 111+70.00	726.44	90	2.12%	3.23%	81	0.13	
	POVC	F 112+00.00	727.13						
	PVI	F 112+15.00	727.40						
	POVC	F 112+50.00	728.53						
	PVRC	F 112+60.00	728.85						
	PVRC	F 112+60.00	728.85	200	3.23%	-1.80%	40	-1.26	314
Symmetrical Parabola	POVC	F 113+00.00	729.94						
	POVC	F 113+50.00	730.74						
	PVI	F 113+60.00	732.08						
	VHIGH	F 113+88.41	730.93						
	POVC	F 114+00.00	730.91						
	POVC	F 114+50.00	730.45						
	PVT	F 114+60.00	730.28						
Linear	PVT	F 114+60.00	730.28	35	-1.80%				
	PVC	F 114+95.00	729.65						
Symmetrical Parabola	PVC	F 114+95.00	729.65	100	-1.80%	-1.17%	158	0.08	
	POVC	F 115+00.00	729.56						
	PVI	F 115+45.00	728.75						
	POVC	F 115+50.00	728.76						
	PVT	F 115+95.00	728.17						
Linear	PVT	F 115+95.00	728.17	315	-1.17%				
	POVT	F 116+00.00	728.11						
	POVT	F 116+50.00	727.52						
	POVT	F 117+00.00	726.94						
	POVT	F 117+50.00	726.35						
	POVT	F 118+00.00	725.77						
	POVT	F 118+50.00	725.18						
	POVT	F 119+00.00	724.60						
	PVC	F 119+10.00	724.48						
Symmetrical Parabola	PVC	F 119+10.00	724.48	100	-1.17%	-3.41%	45	-0.28	531
	POVC	F 119+50.00	723.83						
	PVI	F 119+60.00	723.90						
	POVC	F 120+00.00	722.52						
	PVT	F 120+10.00	722.19						
Linear	PVT	F 120+10.00	722.19	105	-3.41%				
	POVT	F 120+50.00	720.83						
	POVT	F 121+00.00	719.12						
	PVC	F 121+15.00	718.61						

VERTICAL ALIGNMENT SHEET 7

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_106

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 106 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	F 121+15.00	718.61	440	-3.41%	7.01%	42	5.73	
	POVC	F 121+50.00	717.56						
	POVC	F 122+00.00	716.56						
	POVC	F 122+50.00	716.16						
	VLOW	F 122+59.00	716.15						
	POVC	F 123+00.00	716.35						
	PVI	F 123+35.00	711.10						
	POVC	F 123+50.00	717.13						
	POVC	F 124+00.00	718.51						
	POVC	F 124+50.00	720.47						
	POVC	F 125+00.00	723.03						
	POVC	F 125+50.00	726.18						
	PVT	F 125+55.00	726.53						
Linear	PVT	F 125+55.00	726.53	65	7.01%				
	POVT	F 126+00.00	729.69						
	PVC	F 126+20.00	731.09						
Symmetrical Parabola	PVC	F 126+20.00	731.09	140	7.01%	-0.94%	18	-1.39	206
	POVC	F 126+50.00	732.94						
	PVI	F 126+90.00	736.00						
	POVC	F 127+00.00	734.88						
	VHIGH	F 127+43.49	735.42						
Linear	POVT	F 127+50.00	735.41	25	-0.94%				
	PVT	F 127+60.00	735.34						
	PVC	F 127+85.00	735.11						
Symmetrical Parabola	PVC	F 127+85.00	735.11	130	-0.94%	2.45%	38	0.55	
	POVC	F 128+00.00	735.00						
	VLOW	F 128+21.02	734.94						
	PVI	F 128+50.00	734.50						
	POVC	F 129+00.00	735.75						
	PVT	F 129+15.00	736.09						
Linear	PVT	F 129+15.00	736.09	245	2.45%				
	POVT	F 129+50.00	736.95						
	POVT	F 130+00.00	738.17						
	POVT	F 130+50.00	739.39						
	POVT	F 131+00.00	740.62						
	POVT	F 131+50.00	741.84						
	PVC	F 131+60.00	742.08						
Symmetrical Parabola	PVC	F 131+60.00	742.08	100	2.45%	3.48%	97	0.13	
	POVC	F 132+00.00	743.14						
	PVI	F 132+10.00	743.31						
	POVC	F 132+50.00	744.70						
	PVT	F 132+60.00	745.05						
Linear	PVT	F 132+60.00	745.05	200	3.48%				
	POVT	F 133+00.00	746.44						
	POVT	F 133+50.00	748.18						
	POVT	F 134+00.00	749.92						
	POVT	F 134+50.00	751.66						
	PVC	F 134+60.00	752.01						
Symmetrical Parabola	PVC	F 134+60.00	752.01	120	3.48%	-0.17%	33	-0.55	355
	POVC	F 135+00.00	753.16						
	PVI	F 135+20.00	754.10						
	POVC	F 135+50.00	753.91						
	VHIGH	F 135+74.29	754.00						
	PVT	F 135+80.00	754.00						
Linear	PVT	F 135+80.00	754.00	140	-0.17%				
	POVT	F 136+00.00	753.96						
	POVT	F 136+50.00	753.87						
	POVT	F 137+00.00	753.79						
	PVC	F 137+20.00	753.75						
Symmetrical Parabola	PVC	F 137+20.00	753.75	60	-0.17%	-2.05%	32	-0.14	605
	PVI	F 137+50.00	753.70						
	PVT	F 137+80.00	753.08						
Linear	PVT	F 137+80.00	753.08	130	-2.05%				
	POVT	F 138+00.00	752.67						
	POVT	F 138+50.00	751.65						
	POVT	F 139+00.00	750.62						
	PVC	F 139+10.00	750.42						
Symmetrical Parabola	PVC	F 139+10.00	750.42	70	-2.05%	0.67%	26	0.24	
	PVI	F 139+45.00	749.70						
	POVC	F 139+50.00	749.91						
	VLOW	F 139+62.83	749.88						
	PVT	F 139+80.00	749.93						
Linear	PVT	F 139+80.00	749.93	35	0.67%				
	POVT	F 140+00.00	750.07						
	PVC	F 140+15.00	750.17						
Symmetrical Parabola	PVC	F 140+15.00	750.17	70	0.67%	-8.24%	8	-0.78	156
	VHIGH	F 140+20.24	750.18						
	PVI	F 140+50.00	750.40						
	PVT	F 140+85.00	747.52						
Linear	PVT	F 140+85.00	747.52	25	-8.24%				
	POVT	F 141+00.00	746.28						
	PVC	F 141+10.00	745.46						
Symmetrical Parabola	PVC	F 141+10.00	745.46	80	-8.24%	-6.67%	51	0.16	
	PVI	F 141+50.00	742.16						
	PVT	F 141+90.00	739.50						
Linear	PVT	F 141+90.00	739.50	40	-6.67%				
	POVT	F 142+00.00	738.83						
	PVC	F 142+30.00	736.83						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	F 142+30.00	736.83	220	-6.67%	-0.48%	36	1.70	
	POVC	F 142+50.00	735.55						
	POVC	F 143+00.00	732.85						
	PVI	F 143+40.00	729.50						
	POVC	F 143+50.00	730.86						
	POVC	F 144+00.00	729.56						
	PVT	F 144+50.00	728.97						
Linear	PVT	F 144+50.00	728.97	110	-0.48%				
	POVT	F 145+00.00	728.74						
	POVT	F 145+50.00	728.50						
	PVC	F 145+60.00	728.45						
Symmetrical Parabola	PVC	F 145+60.00	728.45	210	-0.48%	-5.87%	39	-1.42	305
	POVC	F 146+00.00	728.05						
	POVC	F 146+50.00	726.98						
	PVI	F 146+65.00	727.95						
	POVC	F 147+00.00	725.27						
	POVC	F 147+50.00	722.91						
	PVT	F 147+70.00	721.79						
Linear	PVT	F 147+70.00	721.79	25	-5.87%				
	PVC	F 147+95.00	720.32						
Symmetrical Parabola	PVC	F 147+95.00	720.32	120	-5.87%	0.09%	20	0.89	
	POVC	F 148+00.00	720.03						
	POVC	F 148+50.00	717.84						
	PVI	F 148+55.00	716.80						
	POVC	F 148+94.00	716.94						
	POVC	T 0+00.00	716.94						
	VLOW	T 0+19.28	716.85						
	PVT	T 0+21.00	716.85						
Linear	PVT	T 0+21.00	716.85	119	0.09%				
	POVT	T 0+50.00	716.88						
	POVT	T 1+00.00	716.92						
	PVC	T 1+40.00	716.95						
Symmetrical Parabola	PVC	T 1+40.00	716.95	110	0.09%	-7.67%	14	-1.07	194
	VHIGH	T 1+41.21	716.95						
	POVC	T 1+50.00	716.93						
	PVI	T 1+95.00	717.00						
	POVC	T 2+00.00	715.73						
	PVT	T 2+50.00	712.78						
Linear	PVT	T 2+50.00	712.78	50	-7.67%				
	PVC	T 3+00.00	708.95						
Symmetrical Parabola	PVC	T 3+00.00	708.95	70	-7.67%	-5.19%	28	0.22	
	PVI	T 3+35.00	706.26						
	POVC	T 3+50.00	705.55						
	PVCC	T 3+70.00	704.44						
Symmetrical Parabola	PVCC	T 3+70.00	704.44	110	-5.19%	-2.04%	35	0.43	
	POVC	T 4+00.00	703.01						
	PVI	T 4+25.00	701.59						
	POVC	T 4+50.00	701.21						
	PVT	T 4+80.00	700.46						
Linear	PVT	T 4+80.00	700.46	100	-2.04%				
	POVT	T 5+00.00	700.05						
	POVT	T 5+50.00	699.03						
	PVC	T 5+80.00	698.42						
Symmetrical Parabola	PVC	T 5+80.00	698.42	80	-2.04%	-2.75%	113	-0.07	1570
	POVC	T 6+00.00	697.99						
	PVI	T 6+20.00	697.60						
	POVC	T 6+50.00	696.77						
	PVT	T 6+60.00	696.50						
Linear	PVT	T 6+60.00	696.50	135	-2.75%				
	POVT	T 7+00.00	695.40						
	POVT	T 7+50.00	694.03						
	PVC	T 7+95.00	692.79						
Symmetrical Parabola	PVC	T 7+95.00	692.79	130	-2.75%	-1.13%	80	0.26	
	POVC	T 8+00.00	692.65						
	POVC	T 8+50.00	691.46						
	PVI	T 8+60.00	691.00						
	POVC	T 9+00.00	690.59						
	PVT	T 9+25.00	690.27						
Linear	PVT	T 9+25.00	690.27	50	-1.13%				
	POVT	T 9+50.00	689.99						
	PVC	T 9+75.00	689.70						

VERTICAL ALIGNMENT SHEET 8

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_107

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 107 OF 232

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	T 9+75.00	689.70	240	-1.13%	3.95%	47	1.52	
	POVC	T 10+00.00	689.49						
	VLOW	T 10+28.30	689.40						
	POVC	T 10+50.00	689.45						
	PVI	T 10+95.00	688.35						
	POVC	T 11+00.00	689.95						
	POVC	T 11+50.00	690.97						
	POVC	T 12+00.00	692.52						
	PVT	T 12+15.00	693.09						
Linear	PVT	T 12+15.00	693.09	190	3.95%				
	POVT	T 12+50.00	694.47						
	POVT	T 13+00.00	696.45						
	POVT	T 13+50.00	698.42						
	POVT	T 14+00.00	700.40						
	PVC	T 14+05.20	700.60						
Symmetrical Parabola	PVC	T 14+05.20	700.60	130	3.95%	-0.32%	30	-0.69	318
	POVC	T 14+50.00	702.04						
	PVI	T 14+70.20	703.16						
	POVC	T 15+00.00	702.87						
	VHIGH	T 15+25.49	702.97						
	PVT	T 15+35.20	702.96						
Linear	PVT	T 15+35.20	702.96	225	-0.32%				
	POVT	T 15+50.00	702.91						
	POVT	T 16+00.00	702.75						
EQNBK	POVT	T 16+25.50	702.67						
EQNAHD	POVT	T 16+25.00	702.67						
Linear	POVT	T 16+50.00	702.59						
	POVT	T 17+00.00	702.43						
	POVT	T 17+50.00	702.27						
	PVC	T 17+60.00	702.24						
Symmetrical Parabola	PVC	T 17+60.00	702.24	150	-0.32%	1.86%	69	0.41	
	VLOW	T 17+81.98	702.20						
	POVC	T 18+00.00	702.23						
	PVI	T 18+35.00	702.00						
	POVC	T 18+50.00	702.54						
	POVC	T 19+00.00	703.21						
	PVT	T 19+10.00	703.39						
Linear	PVT	T 19+10.00	703.39	95	1.86%				
	POVT	T 19+50.00	704.13						
	POVT	T 20+00.00	705.06						
	PVC	T 20+05.00	705.16						
Symmetrical Parabola	PVC	T 20+05.00	705.16	220	1.86%	7.16%	41	1.46	
	POVC	T 20+50.00	706.24						
	POVC	T 21+00.00	708.01						
	PVI	T 21+15.00	707.20						
	POVC	T 21+50.00	710.39						
	POVC	T 22+00.00	713.36						
	PVT	T 22+25.00	715.08						
Linear	PVT	T 22+25.00	715.08	70	7.16%				
	POVT	T 22+50.00	716.87						
	PVC	T 22+95.00	720.09						
Symmetrical Parabola	PVC	T 22+95.00	720.09	130	7.16%	-0.51%	17	-1.25	206
	POVC	T 23+00.00	720.44						
	POVC	T 23+50.00	723.14						
	PVI	T 23+60.00	724.75						
	POVC	T 24+00.00	724.36						
	VHIGH	T 24+16.32	724.44						
	PVT	T 24+25.00	724.42						
Linear	PVT	T 24+25.00	724.42	95	-0.51%				
	POVT	T 24+50.00	724.29						
	POVT	T 25+00.00	724.03						
	PVC	T 25+20.00	723.93						
Symmetrical Parabola	PVC	T 25+20.00	723.93	90	-0.51%	-5.28%	19	-0.54	271
	POVC	T 25+50.00	723.54						
	PVI	T 25+65.00	723.70						
	POVC	T 26+00.00	721.82						
	PVT	T 26+10.00	721.32						
Linear	PVT	T 26+10.00	721.32	85	-5.28%				
	POVT	T 26+50.00	719.21						
	PVC	T 26+95.00	716.83						
Symmetrical Parabola	PVC	T 26+95.00	716.83	270	-5.28%	-1.38%	69	1.32	
	POVC	T 27+00.00	716.57						
	POVC	T 27+50.00	714.14						
	POVC	T 28+00.00	712.08						
	PVI	T 28+30.00	709.70						
	POVC	T 28+50.00	710.38						
	POVC	T 29+00.00	709.03						
	POVC	T 29+50.00	708.05						
	PVT	T 29+65.00	707.83						
Linear	PVT	T 29+65.00	707.83	65	-1.38%				
	POVT	T 30+00.00	707.35						
	PVC	T 30+30.00	706.93						

Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Parabola	PVC	T 30+30.00	706.93	140	-1.38%	-5.90%	31	-0.79	309
	POVC	T 30+50.00	706.59						
	PVI	T 31+00.00	705.96						
	POVC	T 31+50.00	702.94						
	PVT	T 31+70.00	701.83						
Linear	PVT	T 31+70.00	701.83	232	-5.90%				
	POVT	T 32+00.00	700.06						
	POVT	T 32+50.00	697.11						
	POVT	T 33+00.00	694.15						
	POVT	T 33+50.00	691.20						
	POVT	T 34+00.00	688.25						
	PVC	T 34+02.00	688.13						
Symmetrical Parabola	PVC	T 34+02.00	688.13	350	-5.90%	1.40%	48	3.20	
	POVC	T 34+50.00	685.54						
	POVC	T 35+00.00	683.35						
	POVC	T 35+50.00	681.68						
	PVI	T 35+77.00	677.80						
	POVC	T 36+00.00	680.53						
	POVC	T 36+50.00	679.91						
	VLOW	T 36+84.85	679.78						
	POVC	T 37+00.00	679.81						
	POVC	T 37+50.00	680.23						
	PVCC	T 37+52.00	680.25						
Symmetrical Parabola	PVCC	T 37+52.00	680.25	252	1.40%	9.50%	31	2.55	
	POVC	T 38+00.00	681.30						
	POVC	T 38+50.00	683.17						
	PVI	T 38+78.00	682.02						
	POVC	T 39+00.00	685.85						
	POVC	T 39+50.00	689.33						
	POVC	T 40+00.00	693.61						
	PVT	T 40+04.00	693.99						
Linear	PVT	T 40+04.00	693.99						
	POVT	T 40+50.00	698.39						
	POVT	T 41+00.00	703.17						
	POVT	T 41+50.00	707.39						
	POVT	T 42+00.00	710.76						
	POVT	T 42+50.00	711.46						
	POVT	T 42+93.00	710.53						

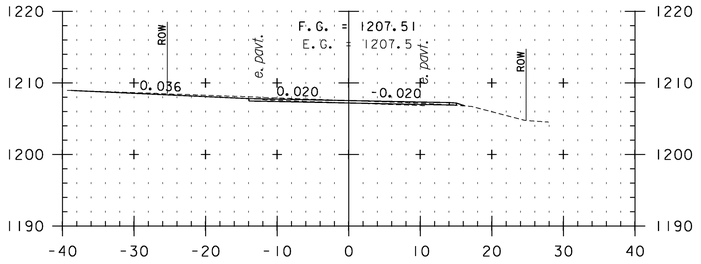
VERTICAL ALIGNMENT SHEET 9

PROJECT NAME: VERSHIRE-THETFORD

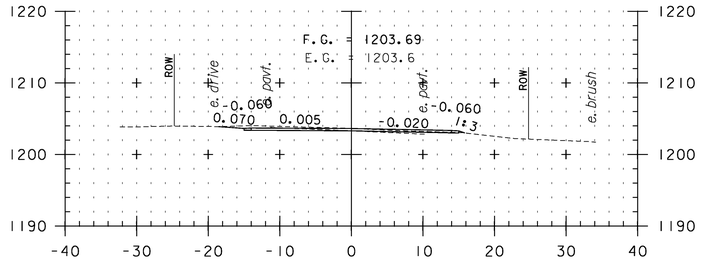
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_108

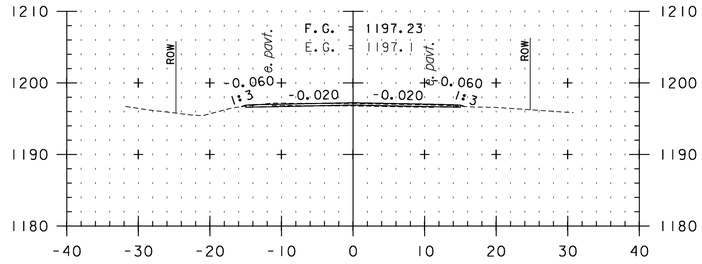
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 108 OF 232



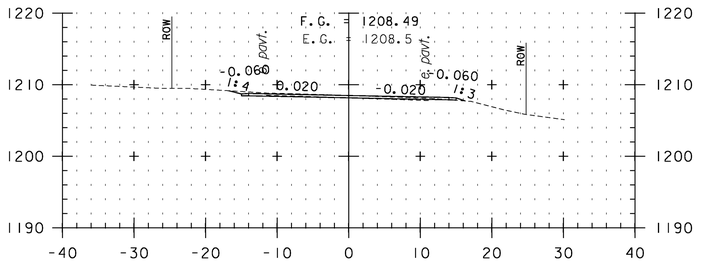
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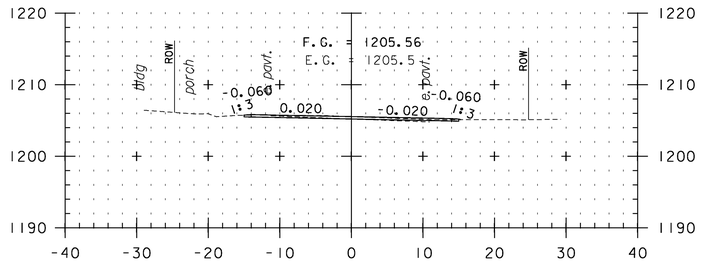
189+50



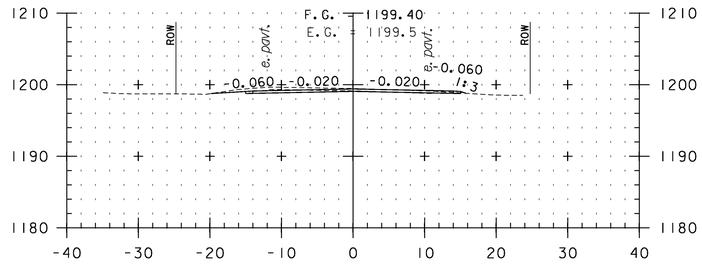
191+00



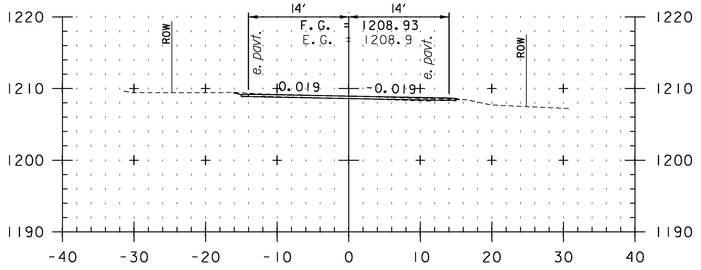
188+00



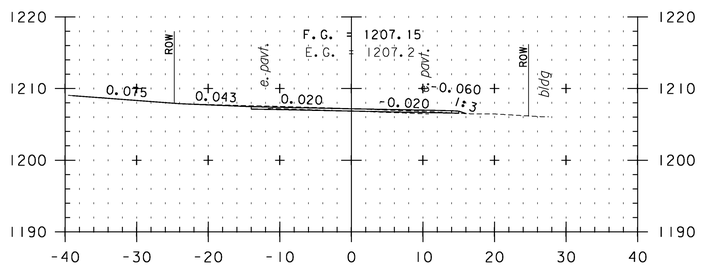
189+00



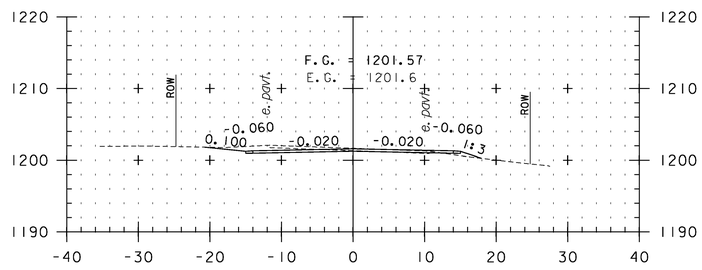
190+50



187+70



188+50



190+00

CROSS SECTION SHEET 1

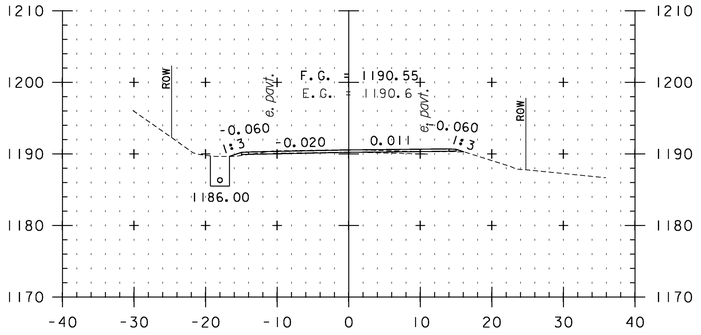
STA. 187+70 TO STA. 191+00

0 10 20
SCALE IN FEET

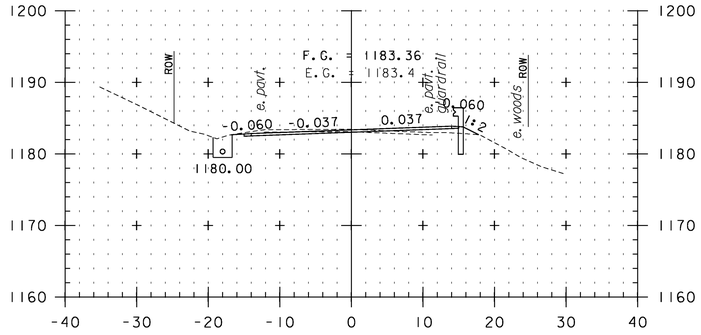
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_109

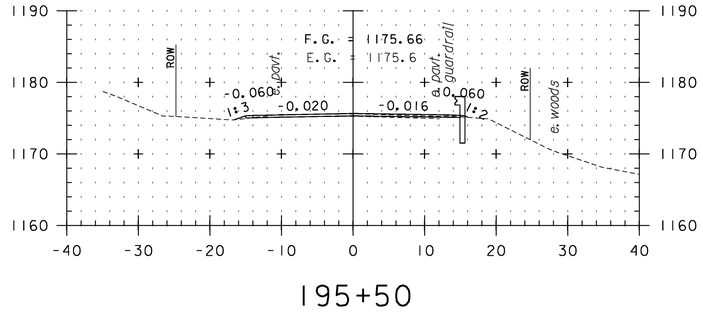
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 109 OF 232



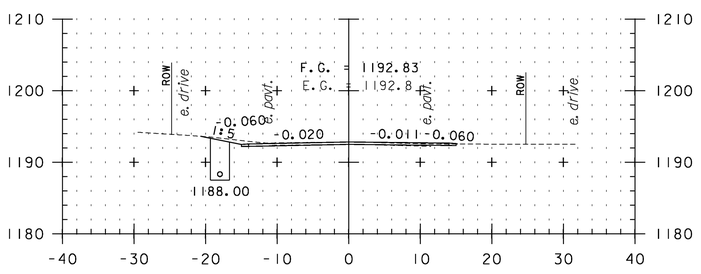
192+50



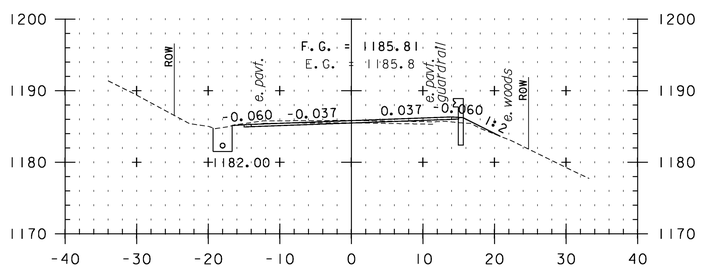
194+00



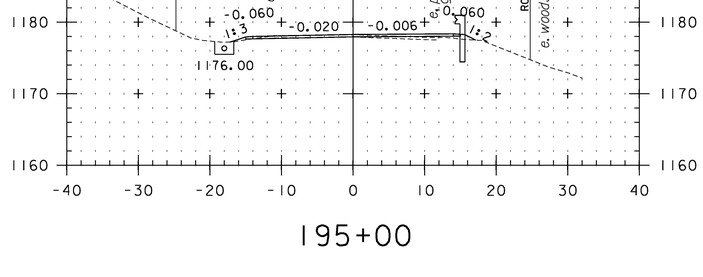
195+50



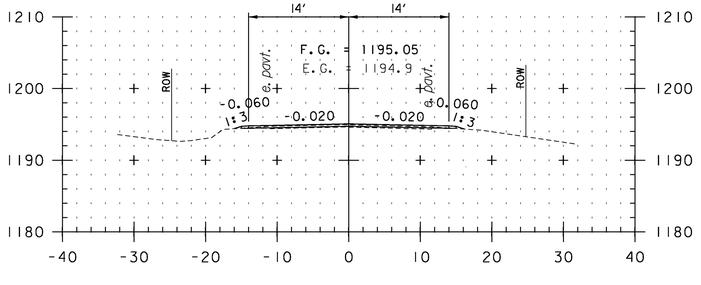
192+00



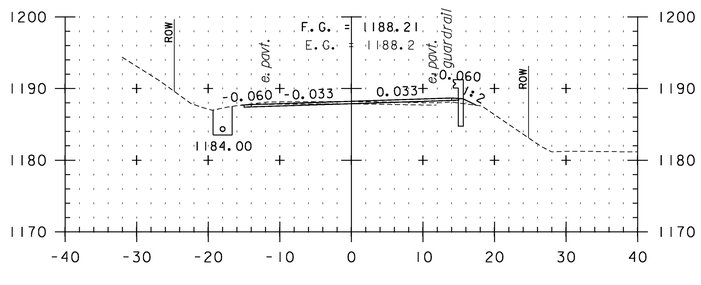
193+50



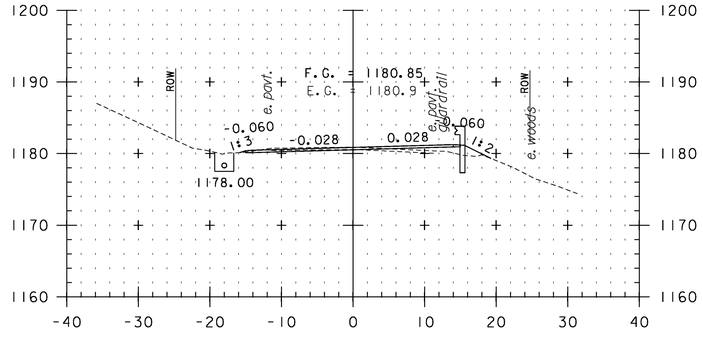
195+00



191+50



193+00



194+50

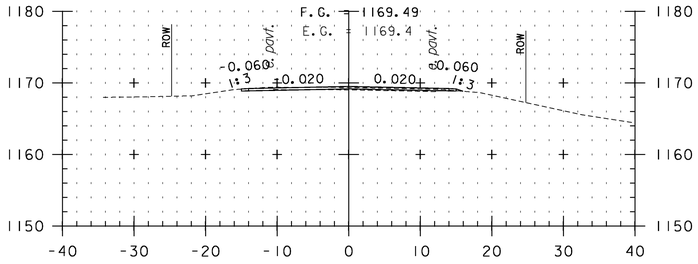
CROSS SECTION SHEET 2

STA. 191+50 TO STA. 195+50

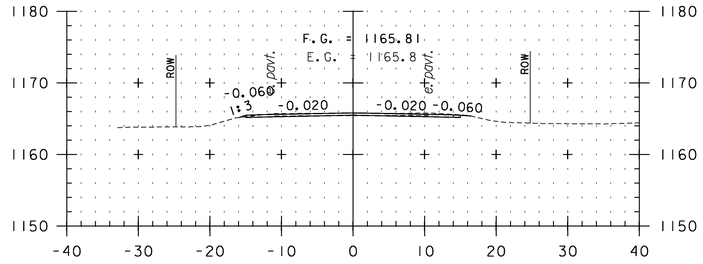
0 10 20

SCALE IN FEET

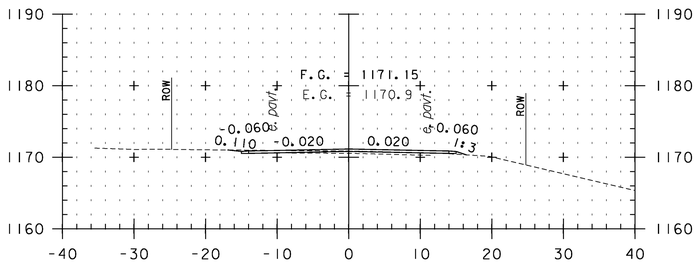
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_110	SHEET 110 OF 232



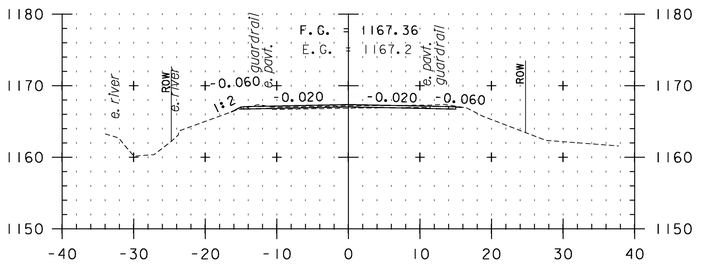
197+00



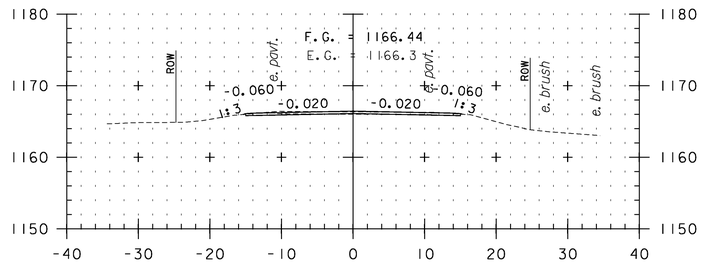
199+50



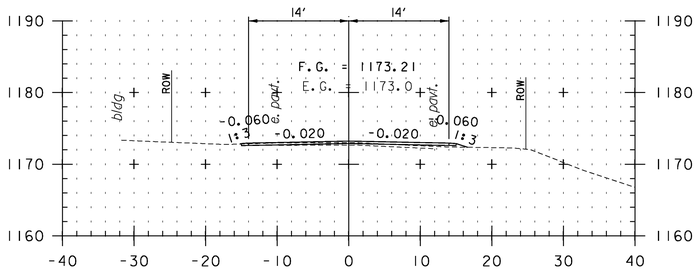
196+50



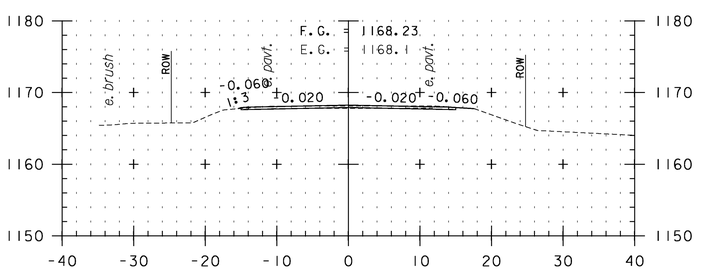
198+00



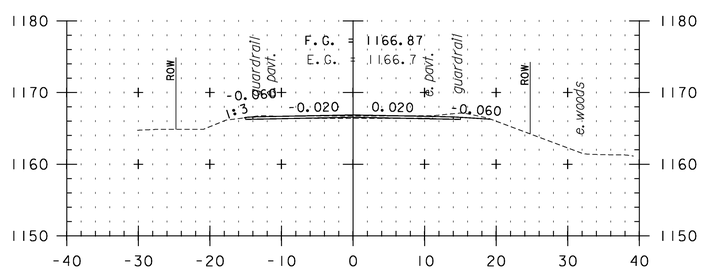
199+00



196+00



197+50



198+50

CROSS SECTION SHEET 3

STA. 196+00 TO STA. 199+50

0 10 20

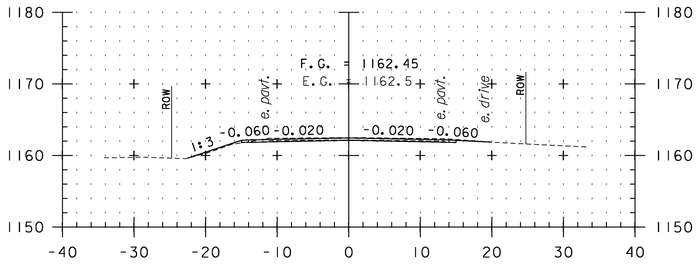
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

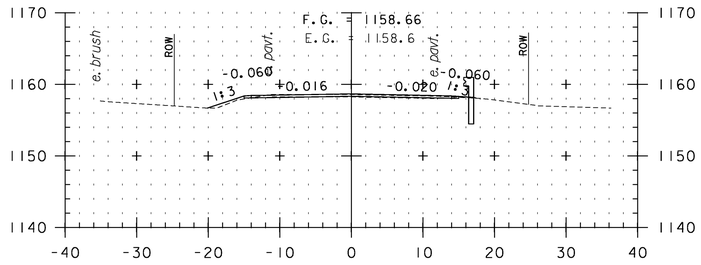
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_III

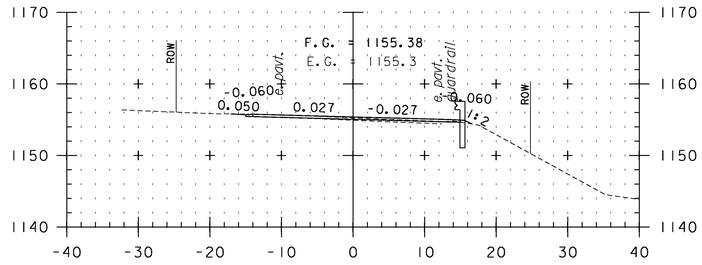
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET III OF 232



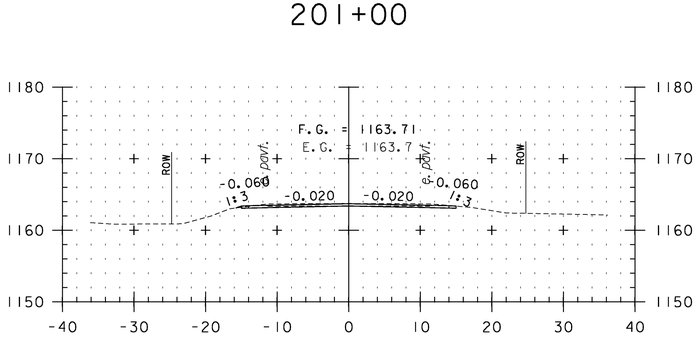
201+00



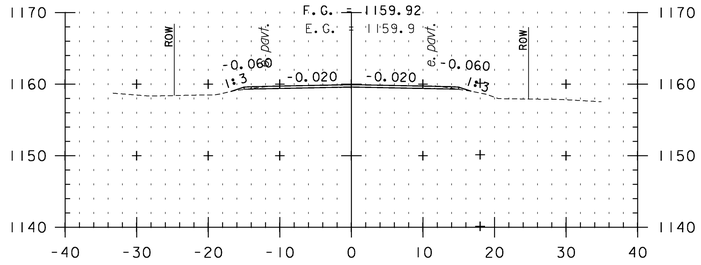
202+50



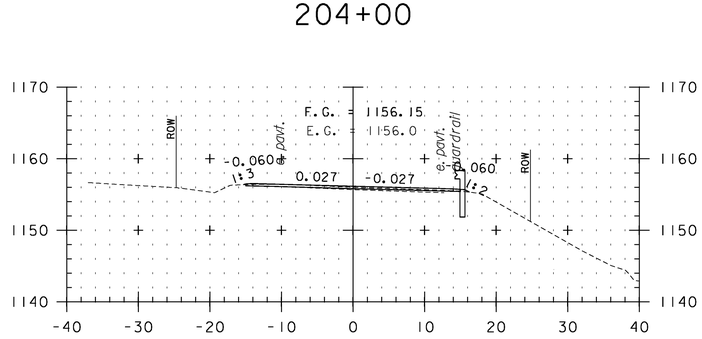
204+00



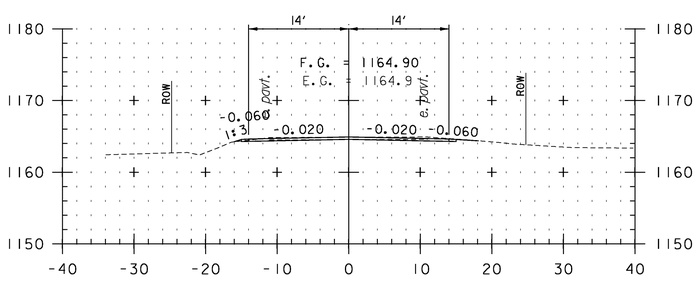
200+50



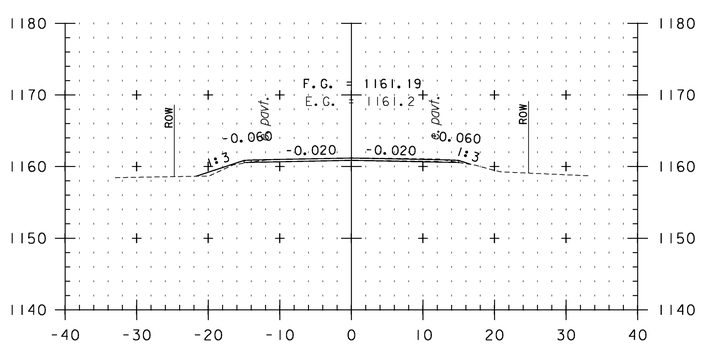
202+00



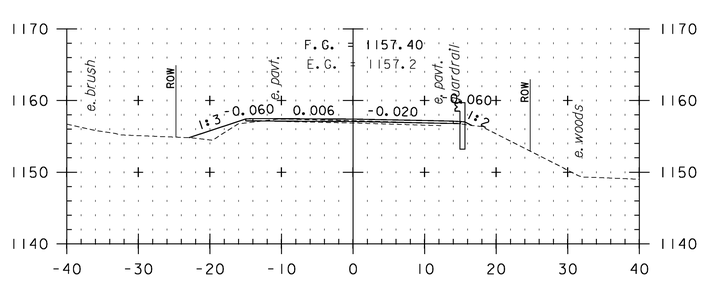
203+50



200+00



201+50



203+00

CROSS SECTION SHEET 4

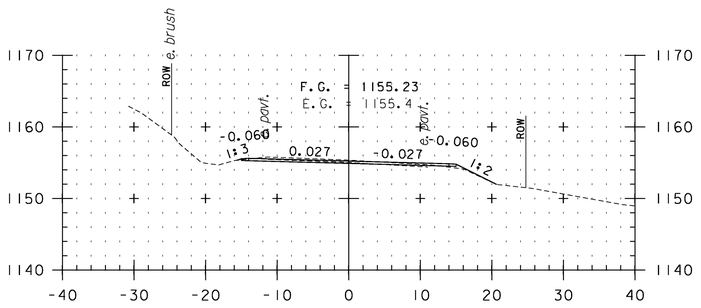
STA. 200+00 TO STA. 204+00

0 10 20
SCALE IN FEET

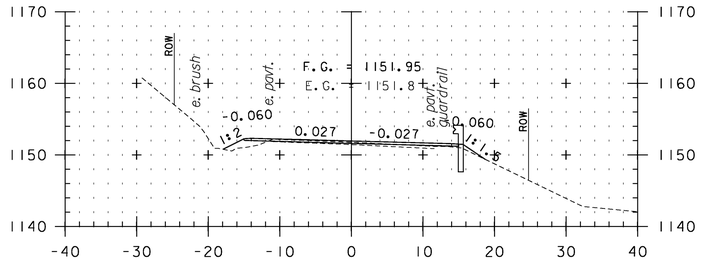
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_112

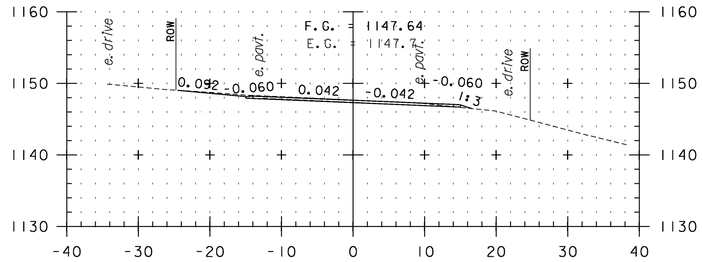
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 112 OF 232



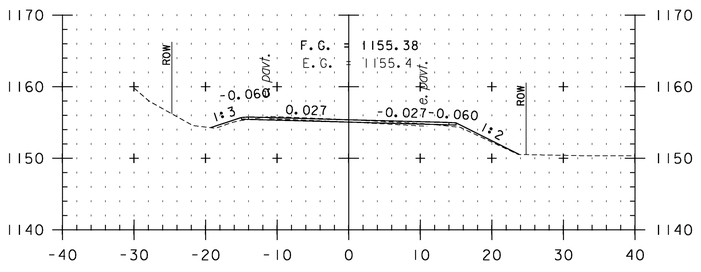
205+50



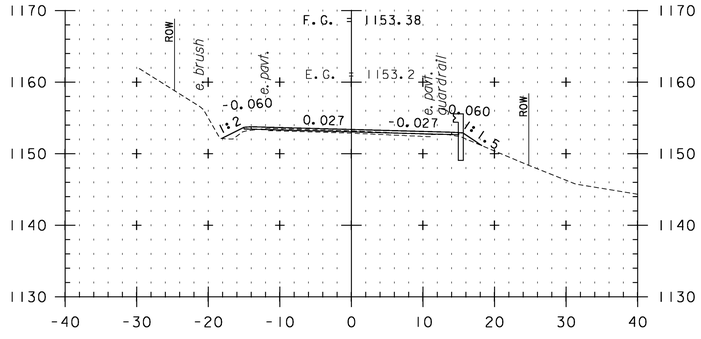
207+00



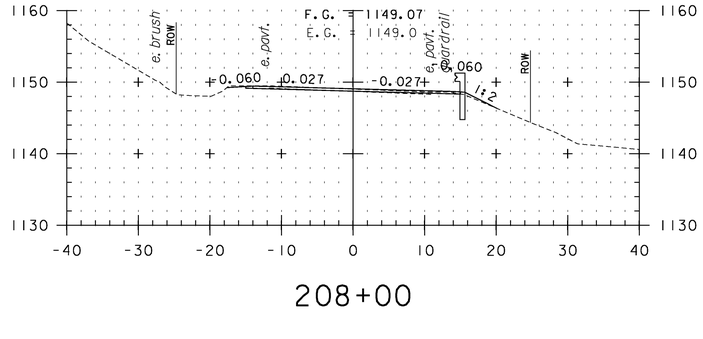
208+50



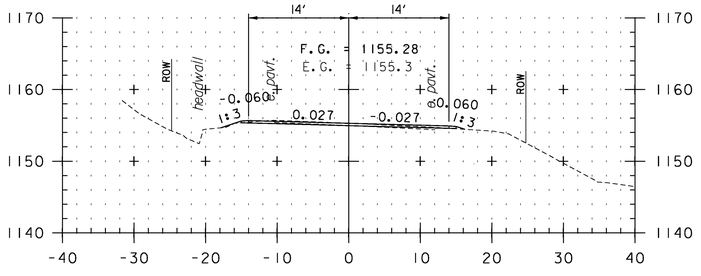
205+00



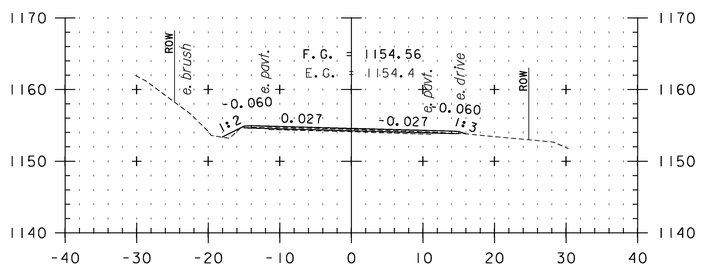
206+50



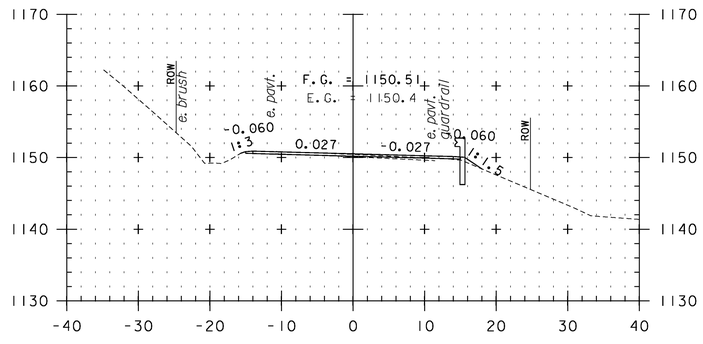
208+00



204+50



206+00



207+50

CROSS SECTION SHEET 5

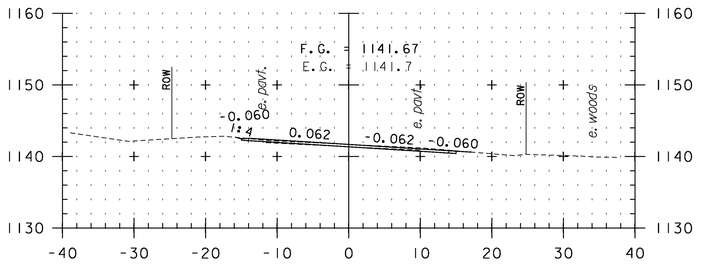
STA. 204+50 TO STA. 208+50

0 10 20
SCALE IN FEET

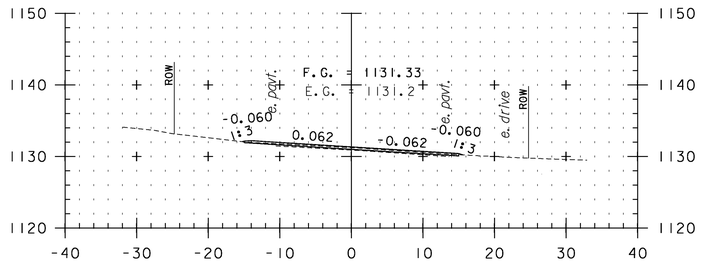
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_113

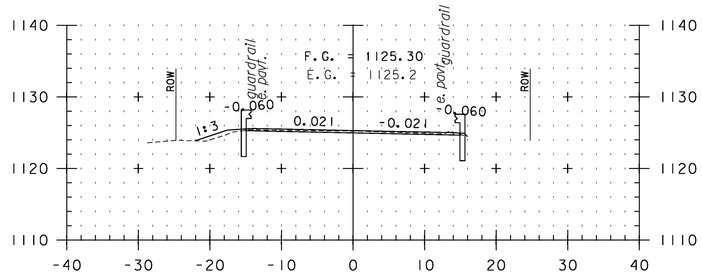
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 113 OF 232



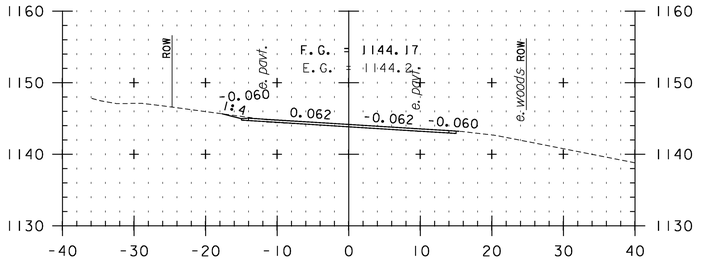
210+00



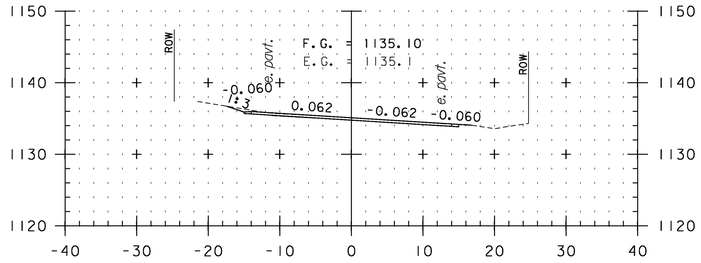
211+50



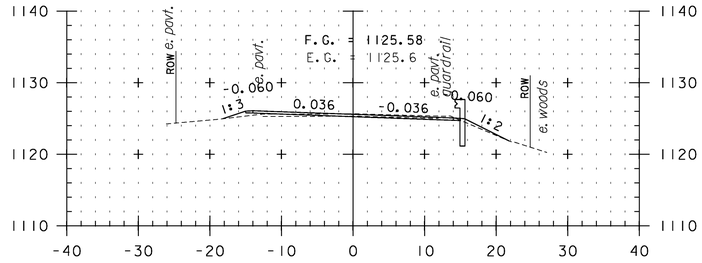
212+74
BEGIN BRIDGE 11 APPROACH



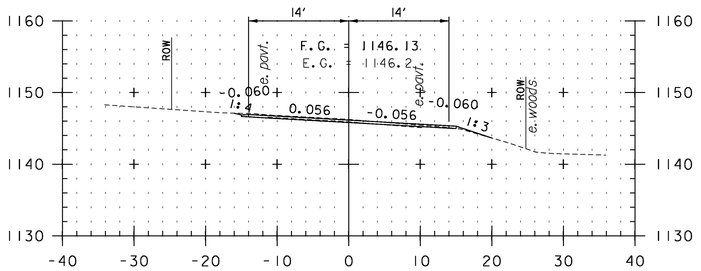
209+50



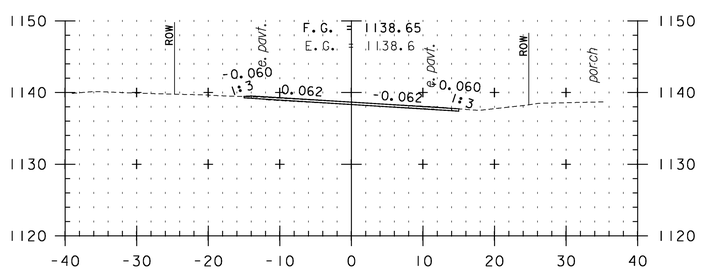
211+00



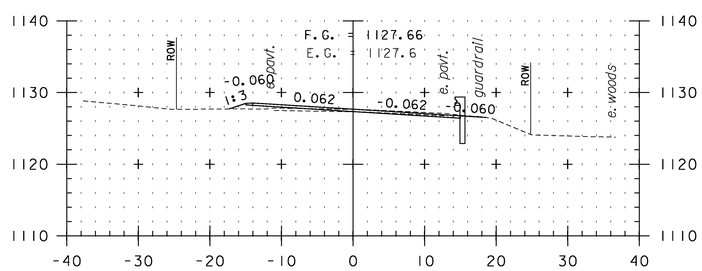
212+50



209+00



210+50



212+00

CROSS SECTION SHEET 6

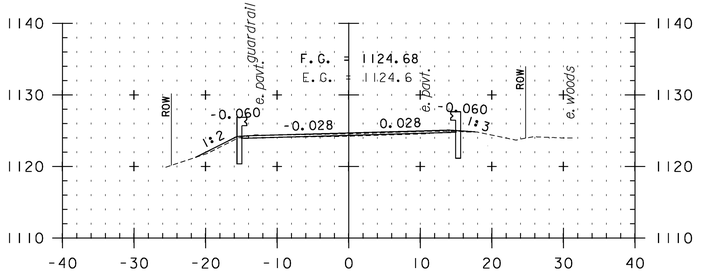
STA. 209+00 TO STA. 212+74

0 10 20
SCALE IN FEET

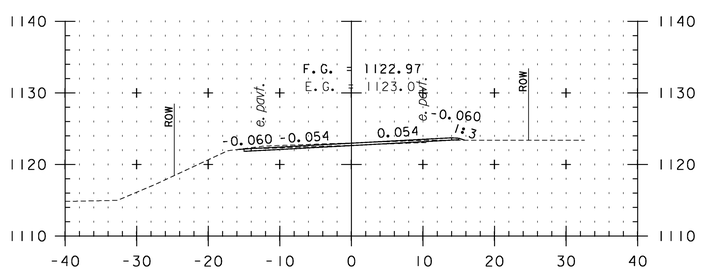
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_114

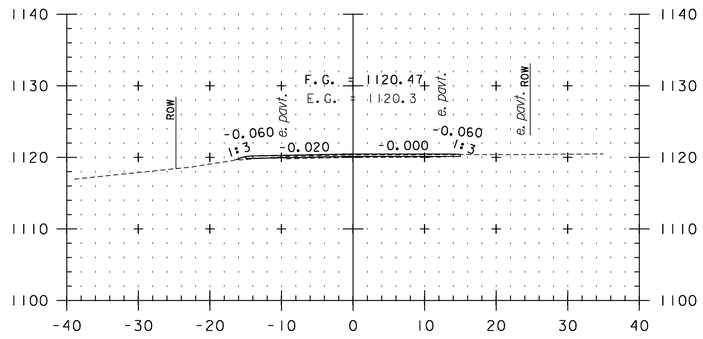
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 114 OF 232



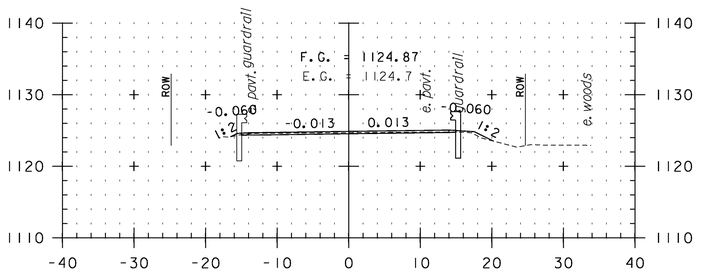
213+50



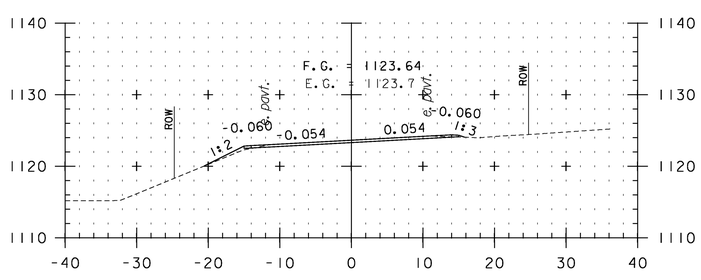
215+00



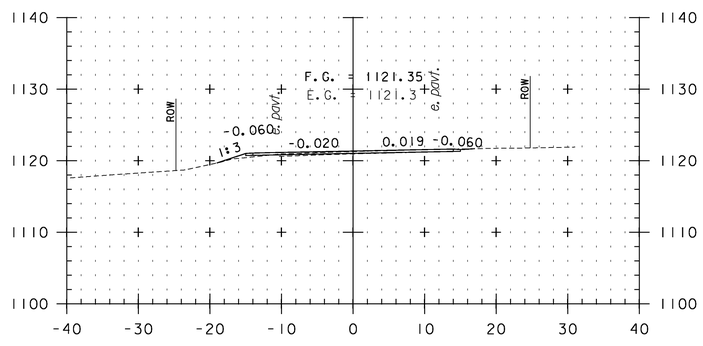
216+50



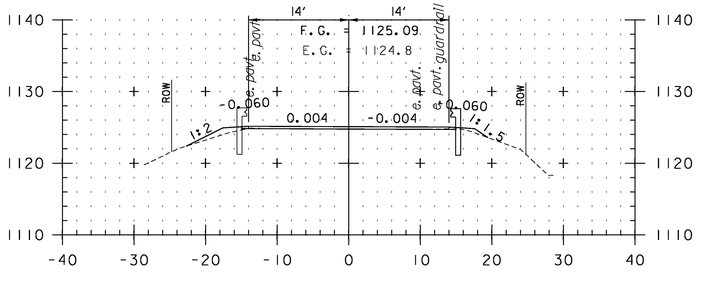
213+27
END BRIDGE II APPROACH



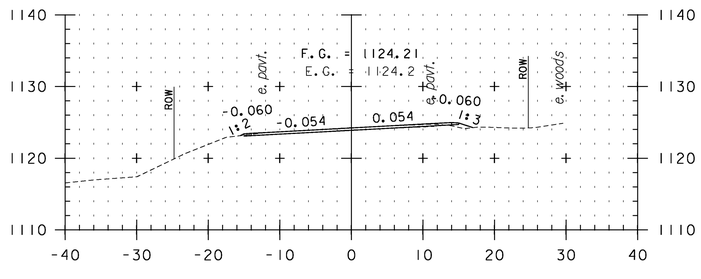
214+50



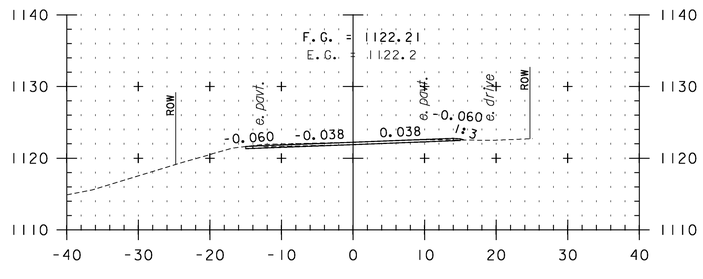
216+00



213+00



214+00



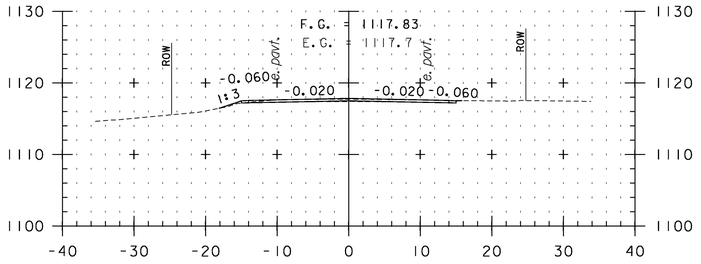
215+50

CROSS SECTION SHEET 7

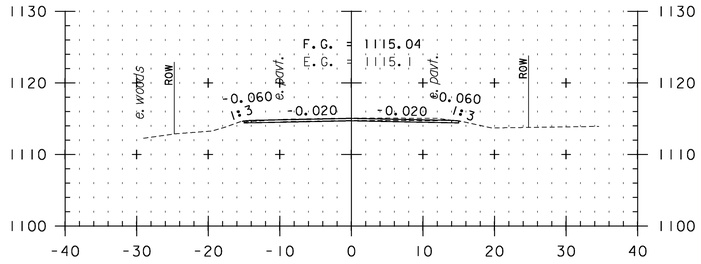
STA. 213+00 TO STA. 216+50

0 10 20
SCALE IN FEET

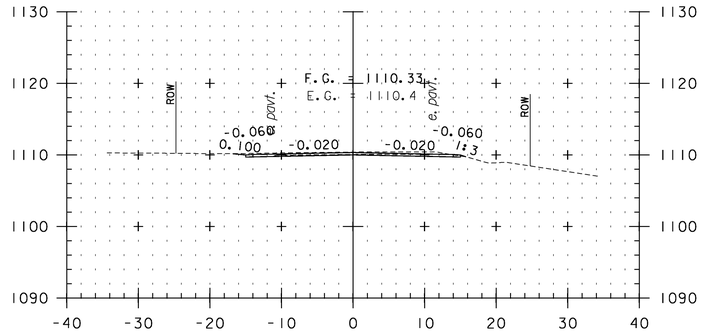
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(I)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_115	SHEET 115 OF 232



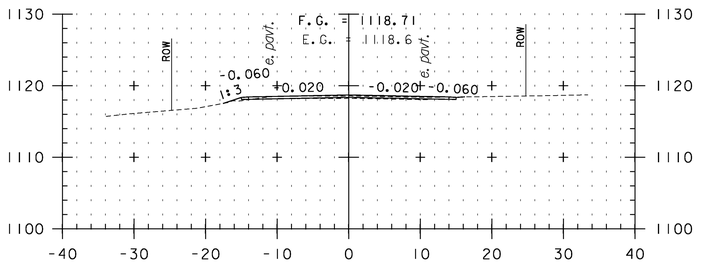
218+00



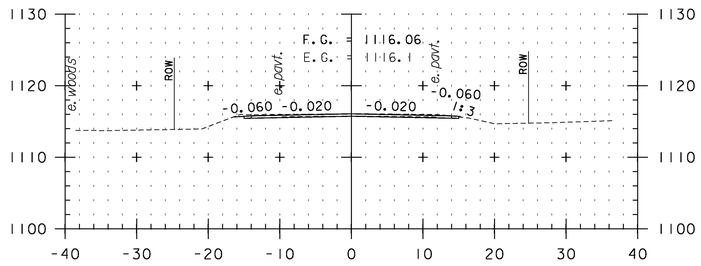
219+50



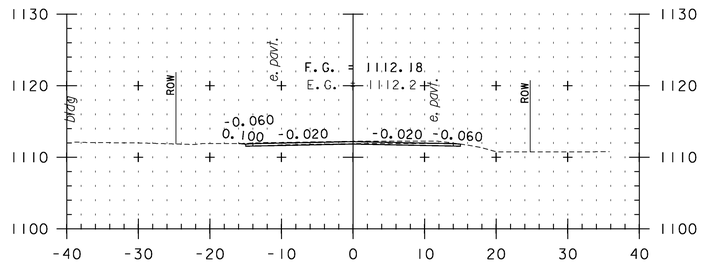
221+00



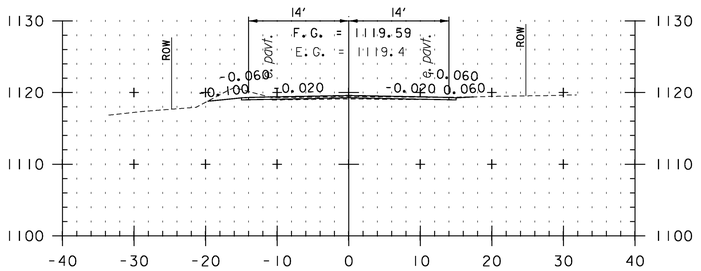
217+50



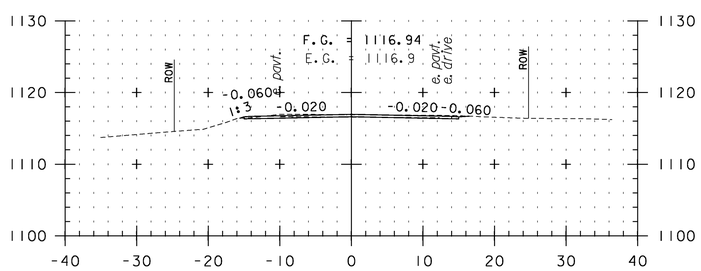
219+00



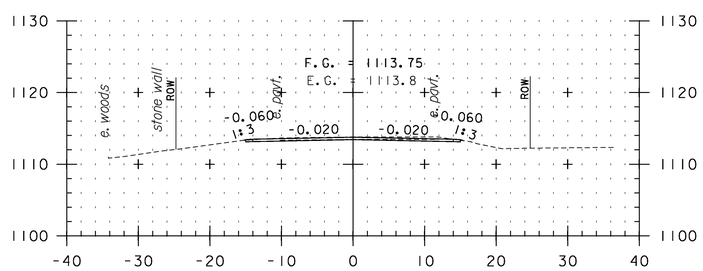
220+50



217+00



218+50



220+00

CROSS SECTION SHEET 8

STA. 217+00 TO STA. 221+00

0 10 20

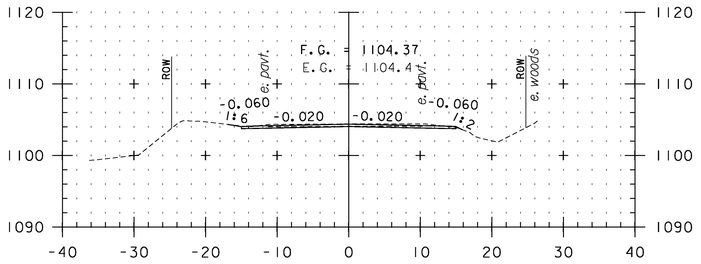
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

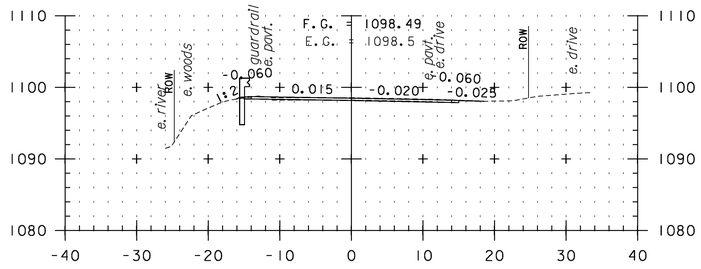
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_116

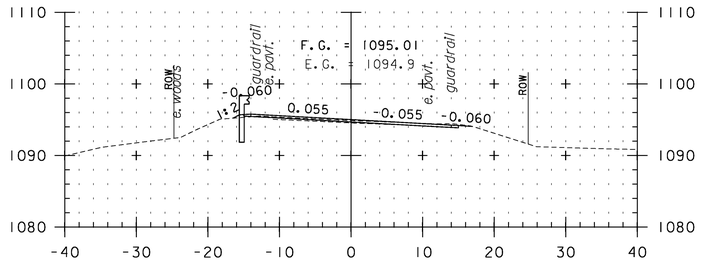
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 116 OF 232



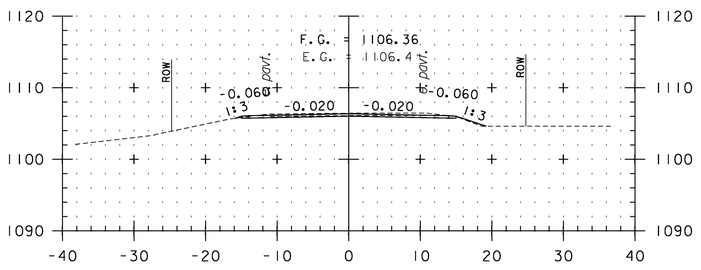
222+50



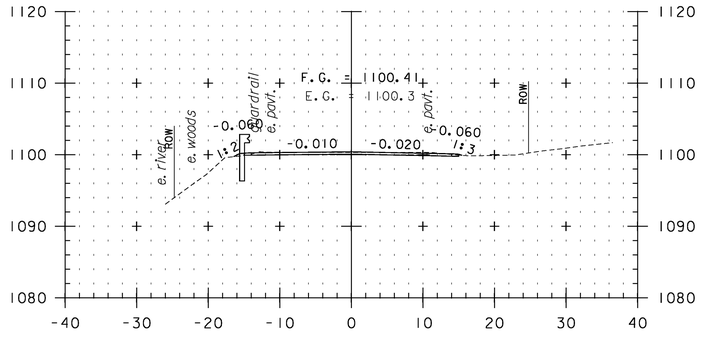
224+00



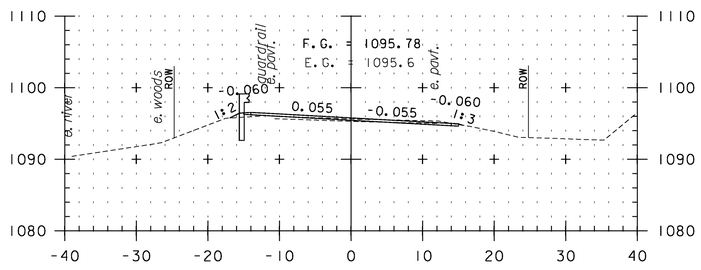
225+50



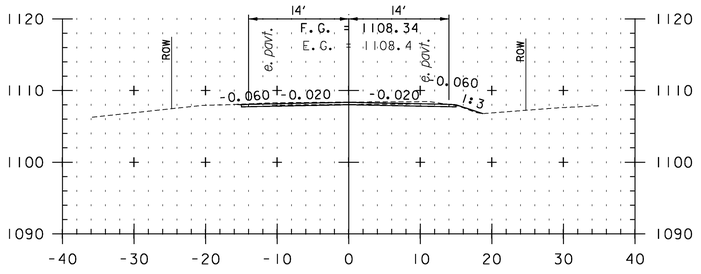
222+00



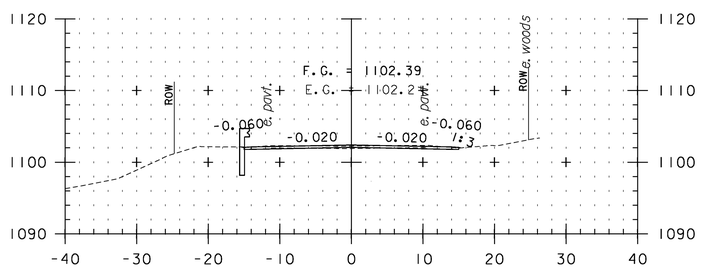
223+50



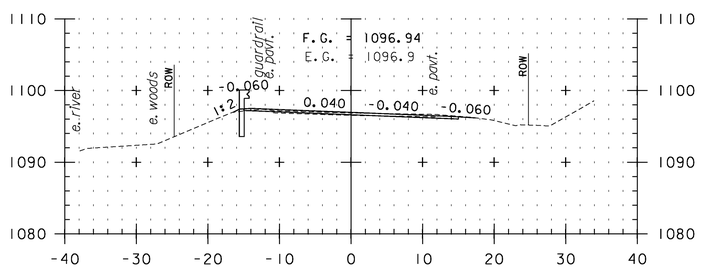
225+00



221+50



223+00



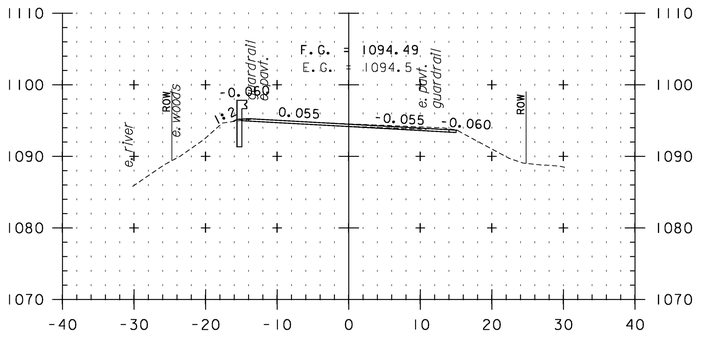
224+50

CROSS SECTION SHEET 9

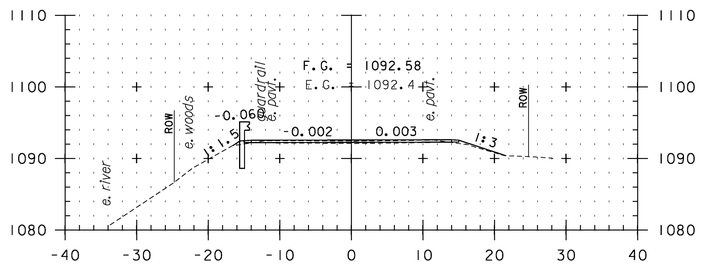
STA. 221+50 TO STA. 225+50

0 10 20
SCALE IN FEET

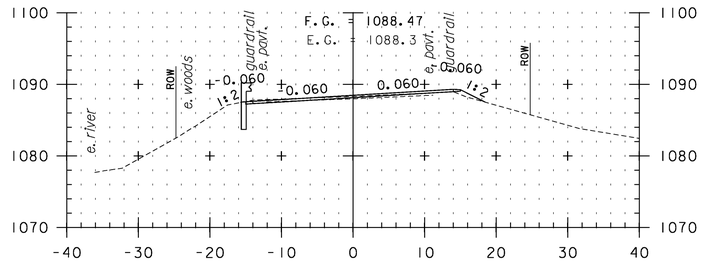
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: pl0c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: l0C224_117	SHEET 117 OF 232



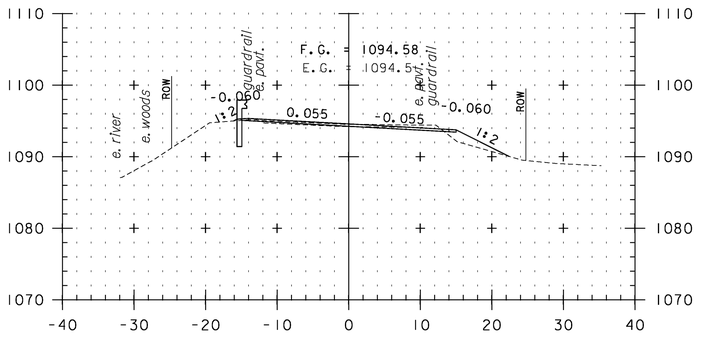
227+00



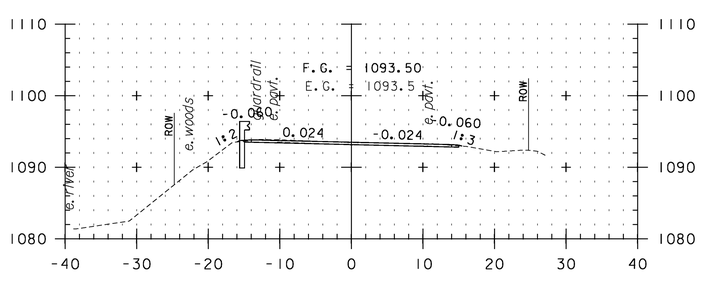
228+50



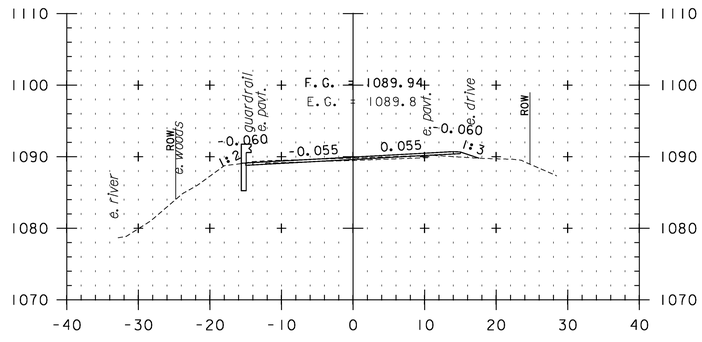
230+00



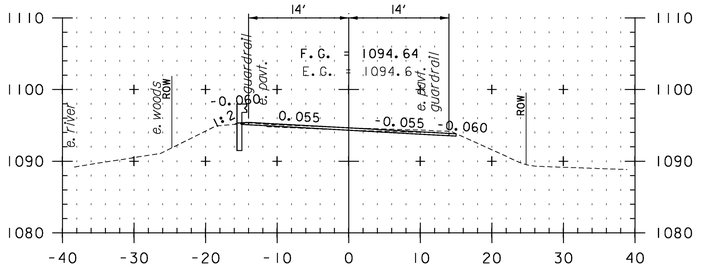
226+50



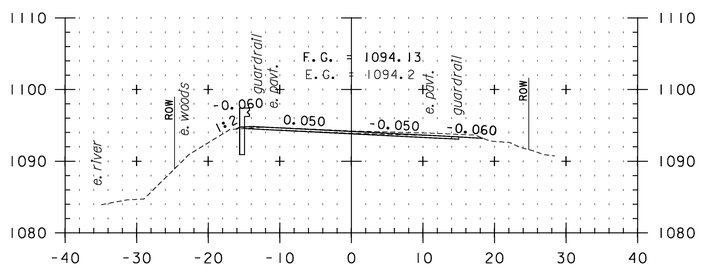
228+00



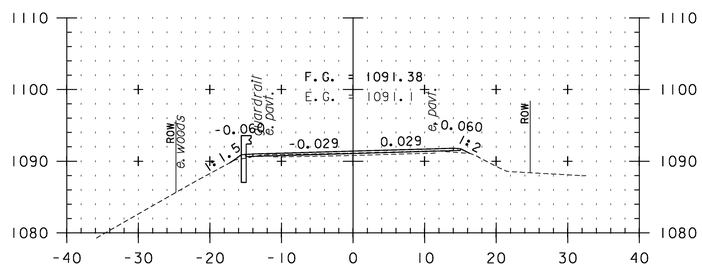
229+50



226+00



227+50



229+00

CROSS SECTION SHEET 10

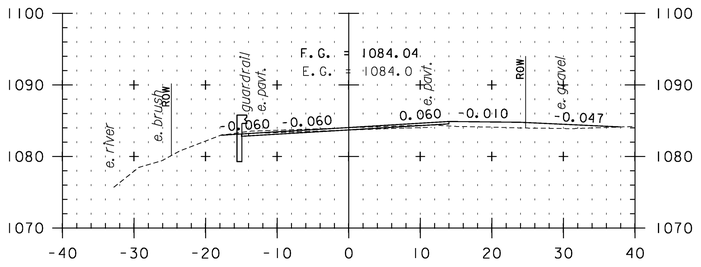
STA. 226+00 TO STA. 230+00

0 10 20
SCALE IN FEET

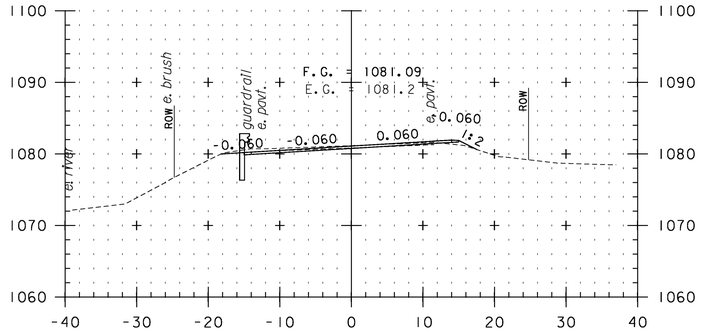
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_118

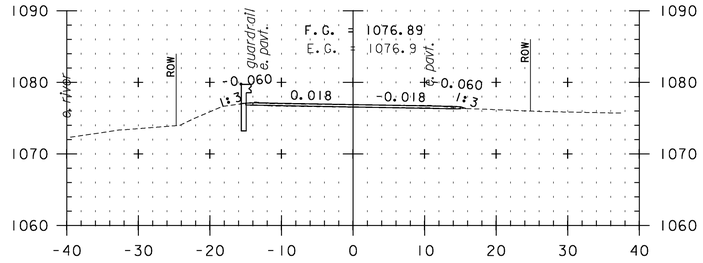
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 118 OF 232



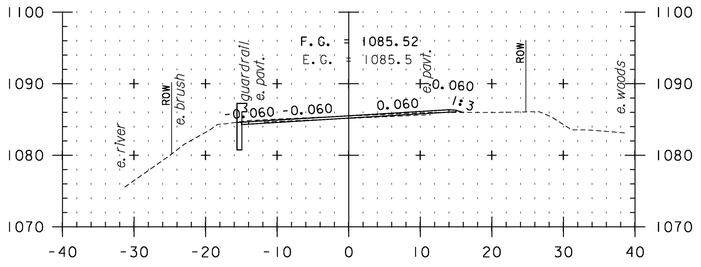
231+50



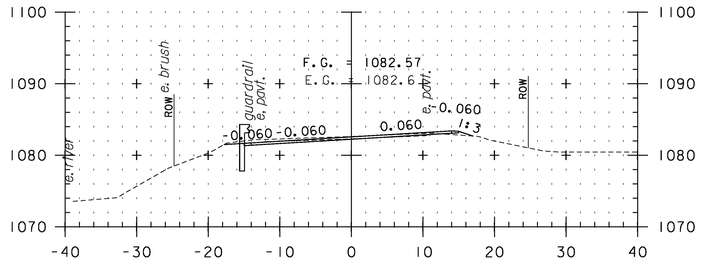
232+50



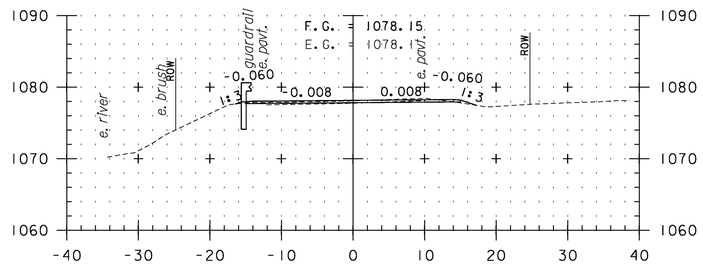
234+00



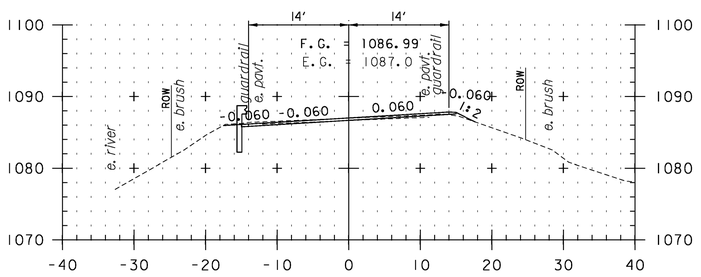
231+00



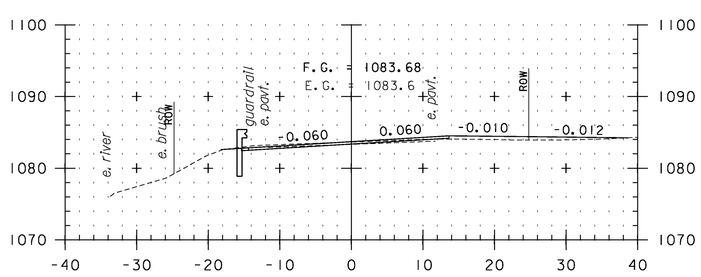
232+00



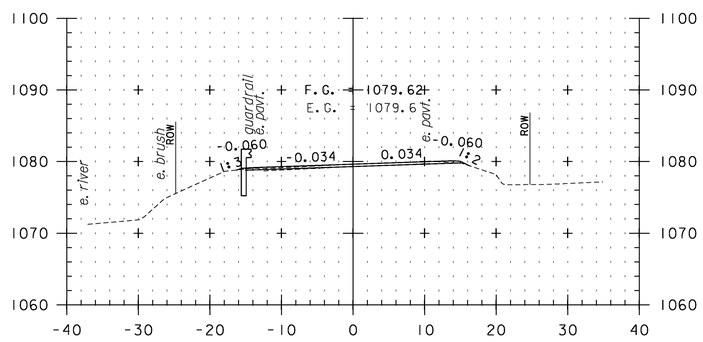
233+50



230+50



231+63
TH 23



233+00

CROSS SECTION SHEET 11

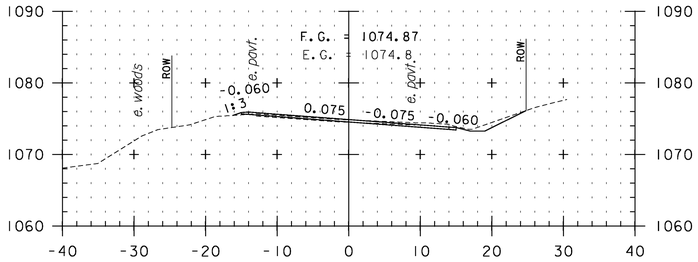
STA. 230+50 TO STA. 234+00

0 10 20
SCALE IN FEET

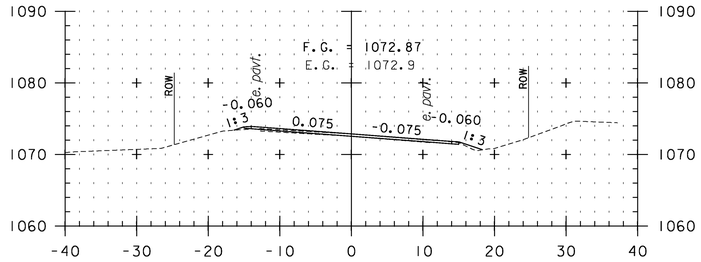
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_119

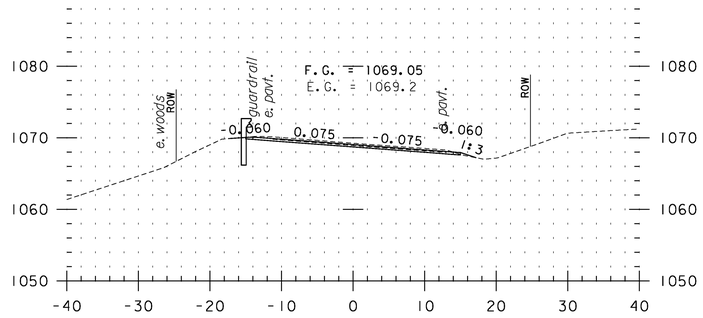
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 119 OF 232



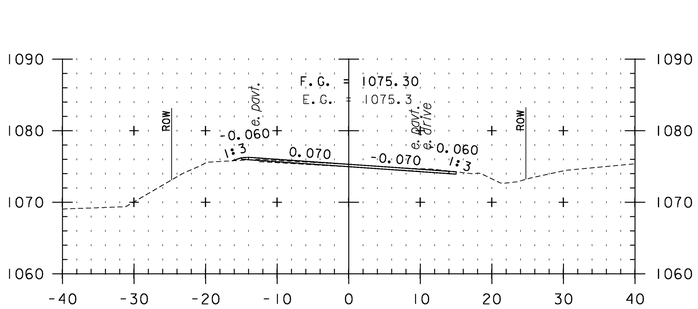
235+50



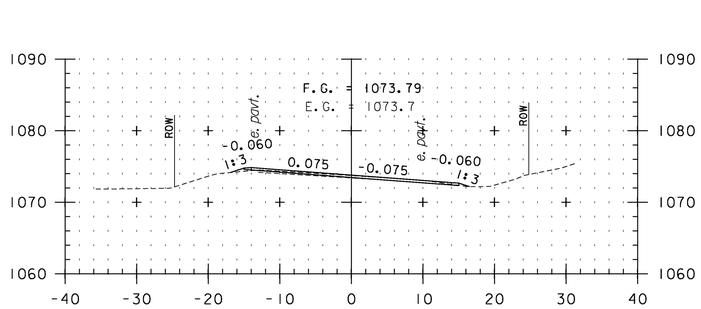
237+00



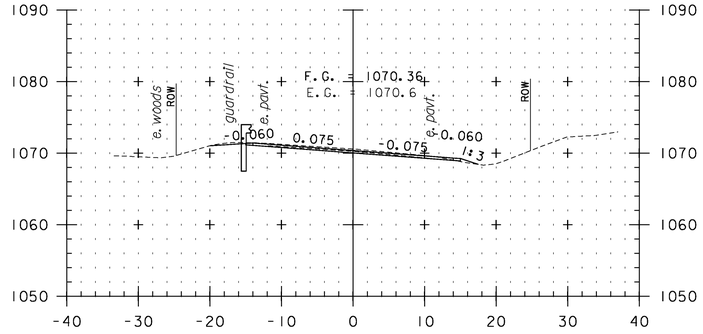
238+50



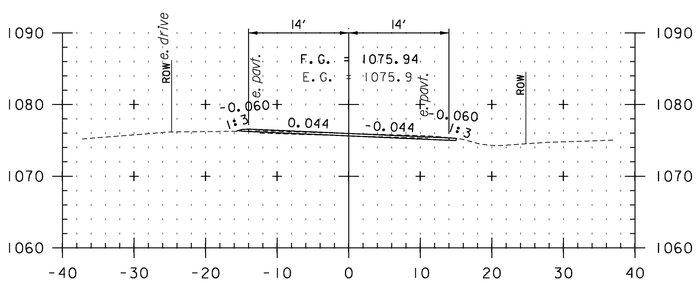
235+00



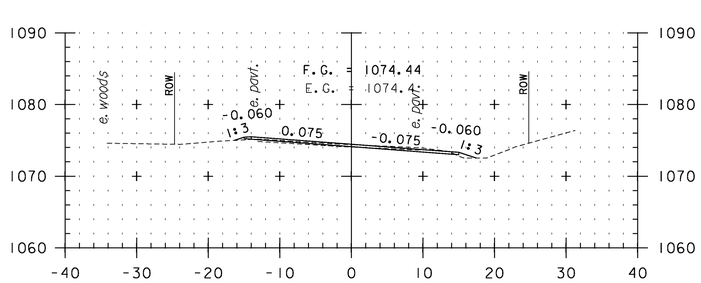
236+50



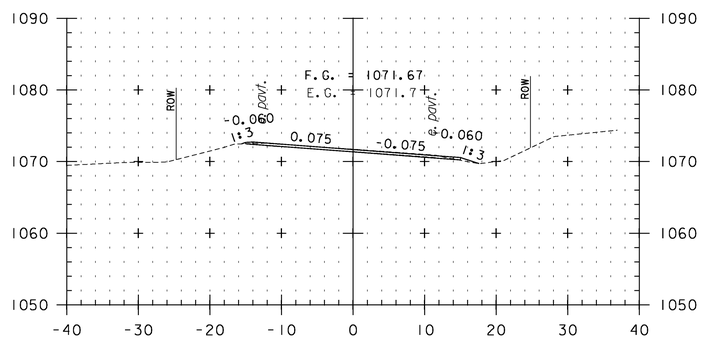
238+00



234+50



236+00



237+50

CROSS SECTION SHEET 12

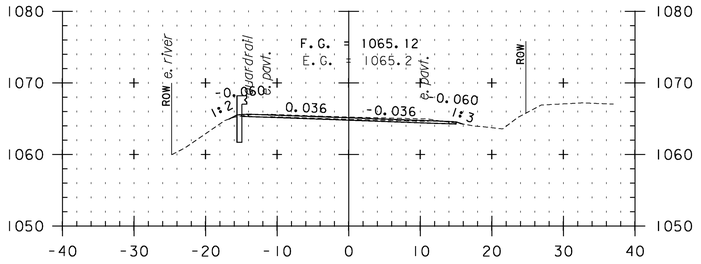
STA. 234+50 TO STA. 238+50

0 10 20
SCALE IN FEET

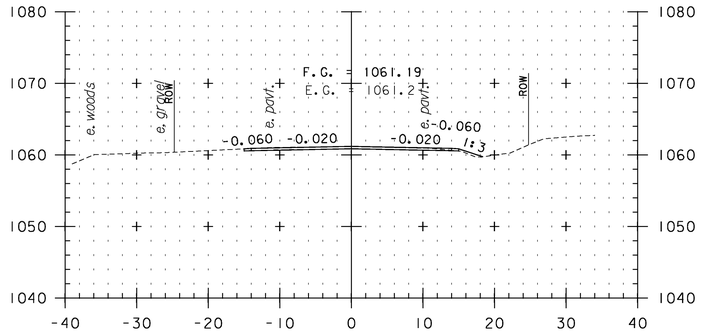
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_120

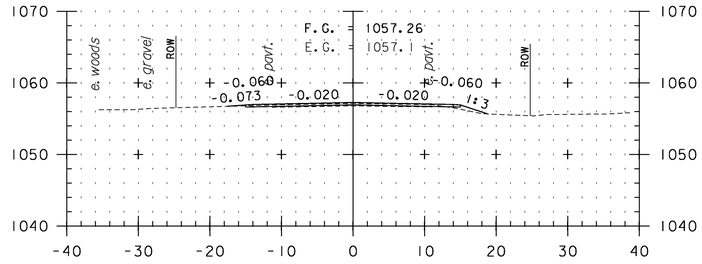
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 120 OF 232



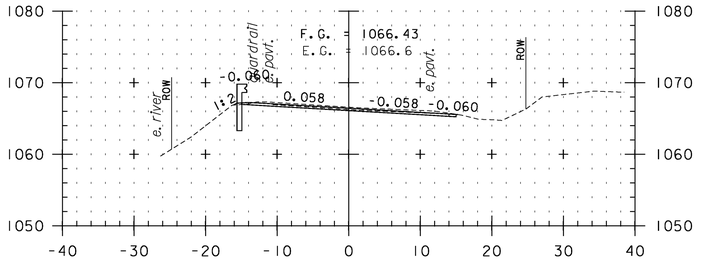
240+00



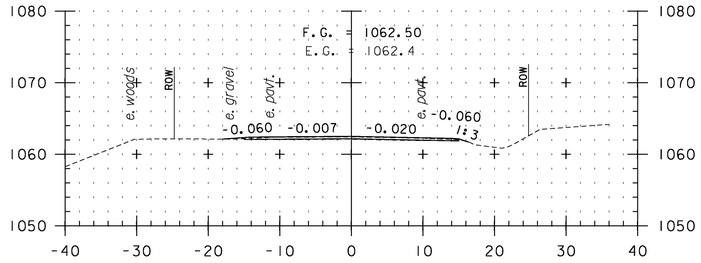
241+50



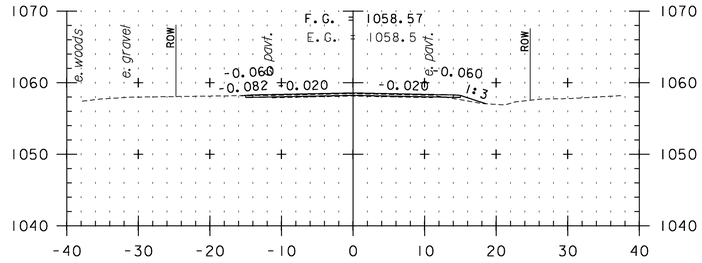
243+00



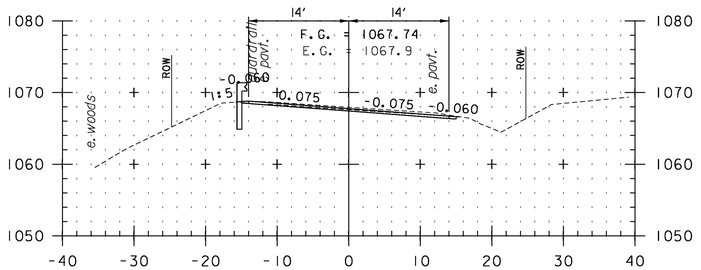
239+50



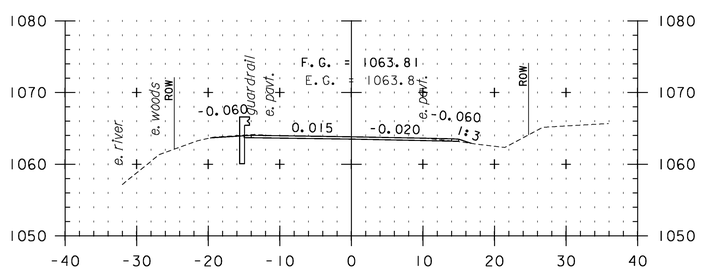
241+00



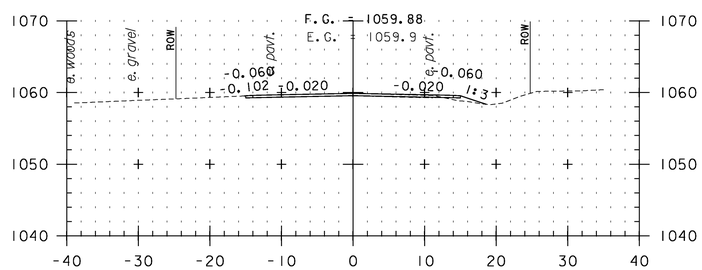
242+50



239+00



240+50



242+00

CROSS SECTION SHEET 13

STA. 239+00 TO STA. 243+00

0 10 20

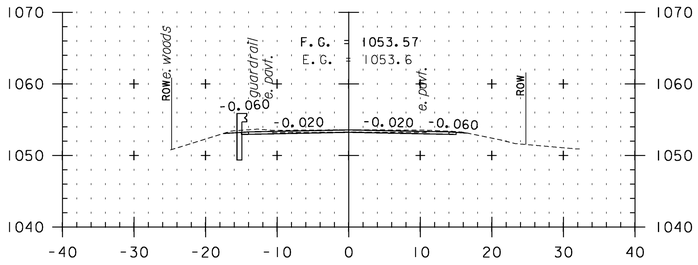
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

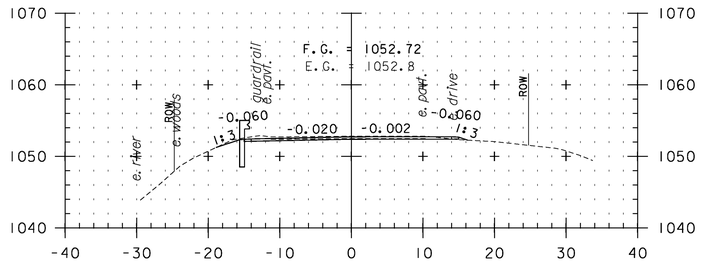
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_121

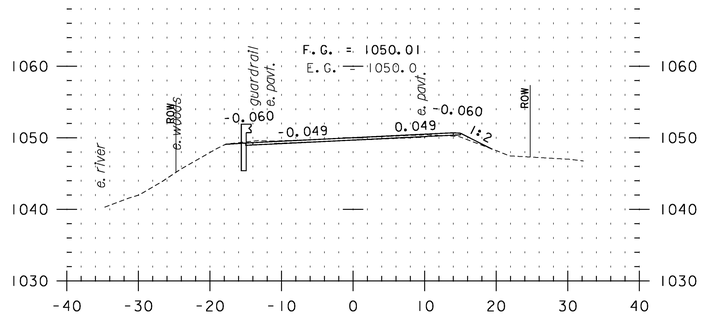
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 121 OF 232



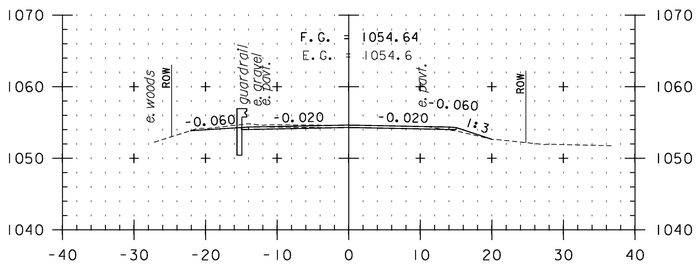
244+50



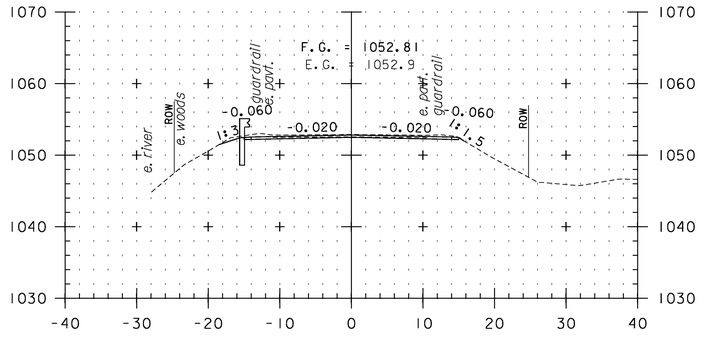
246+00



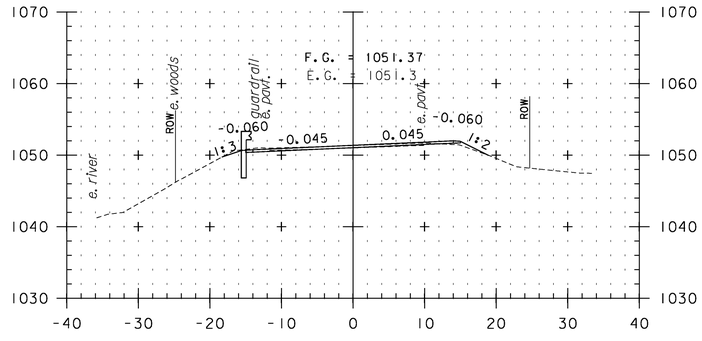
247+50



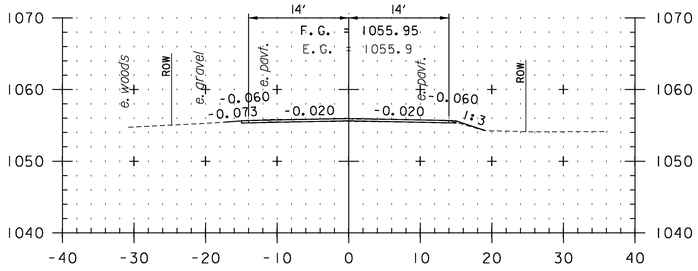
244+00



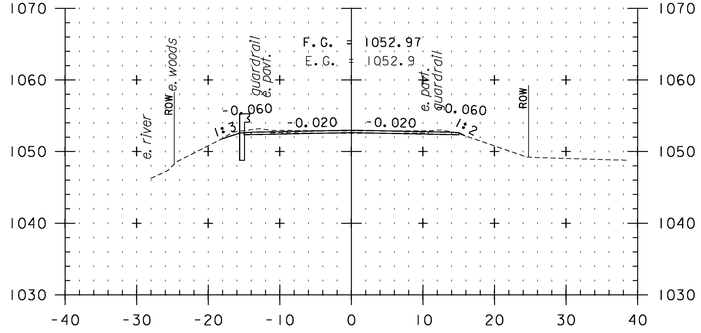
245+50



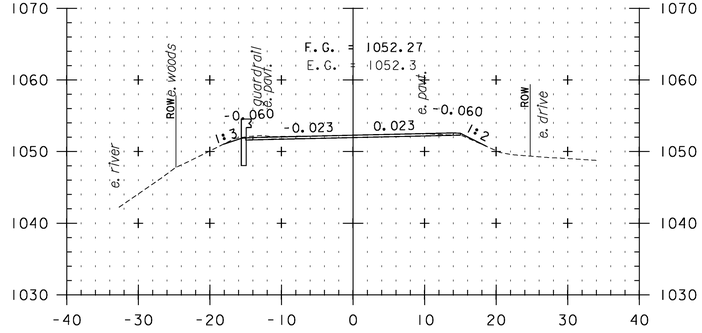
247+00



243+50



245+00



246+50

CROSS SECTION SHEET 14

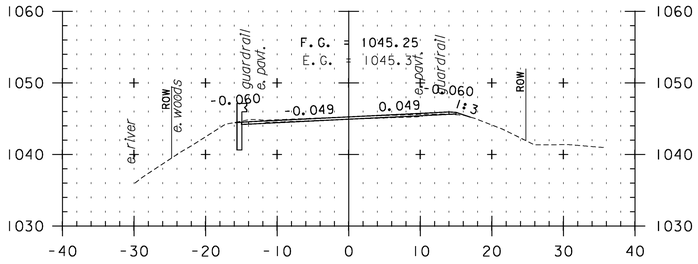
STA. 243+50 TO STA. 247+50

0 10 20
SCALE IN FEET

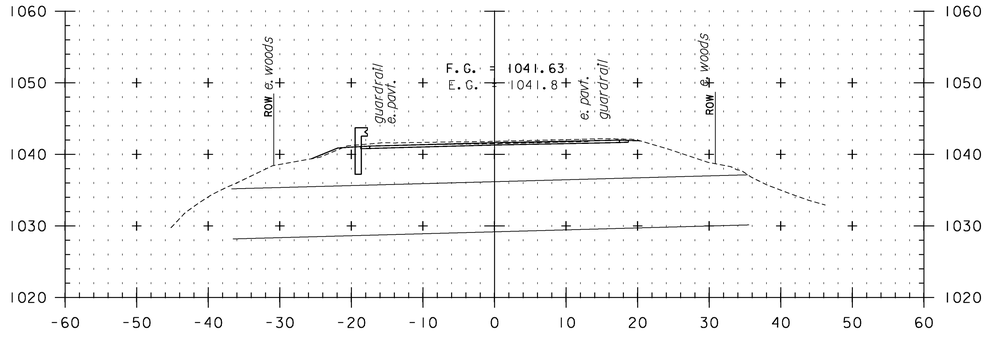
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_122

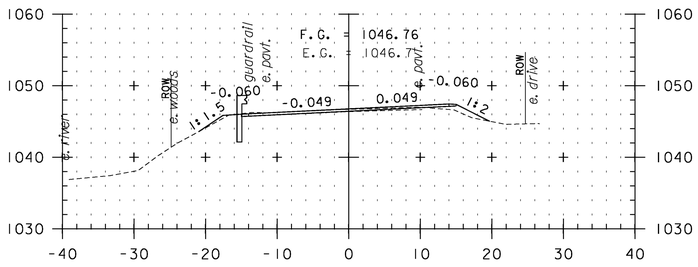
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 122 OF 232



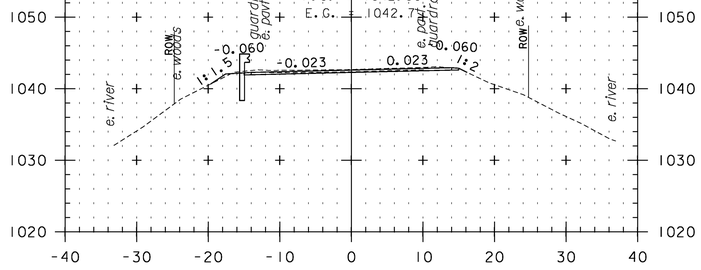
249+00



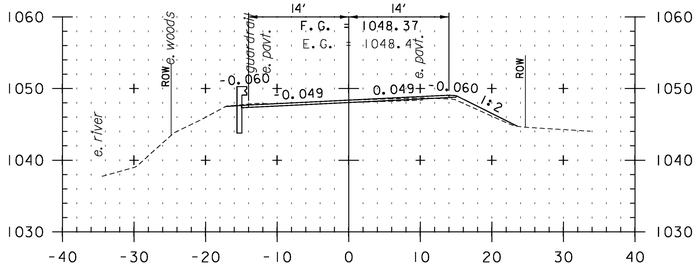
250+43
BRIDGE 15



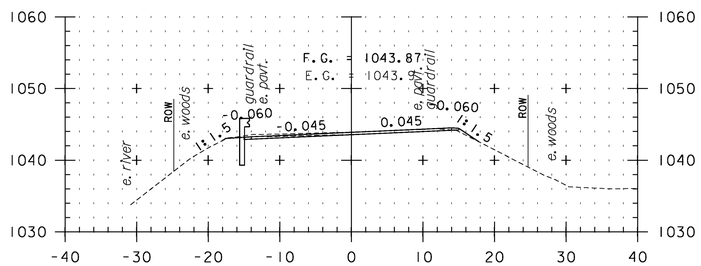
248+50



250+00



248+00



249+50

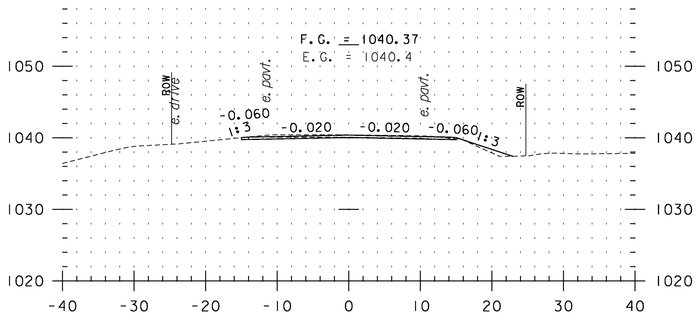
STA. 248+00 TO STA. 250+43

0 10 20
SCALE IN FEET

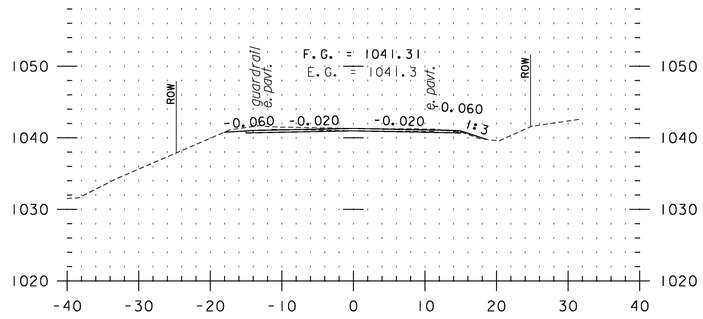
CROSS SECTION SHEET 15

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

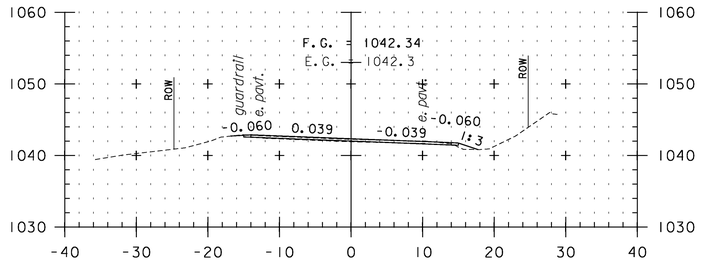
FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_123
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 123 OF 232



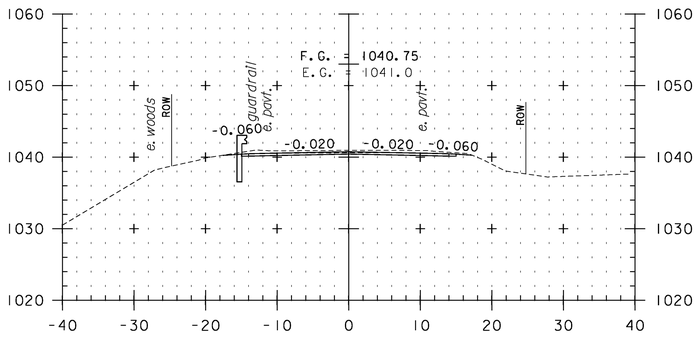
251+50



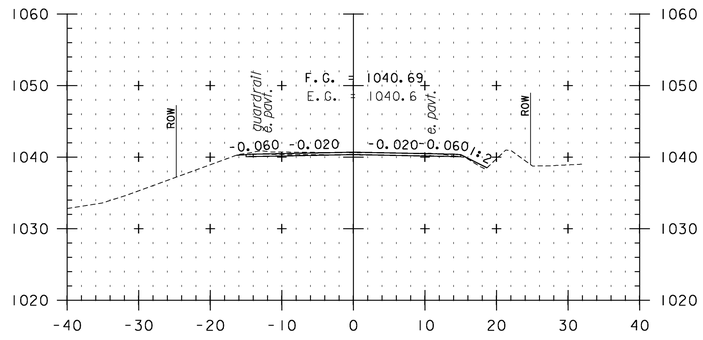
253+00



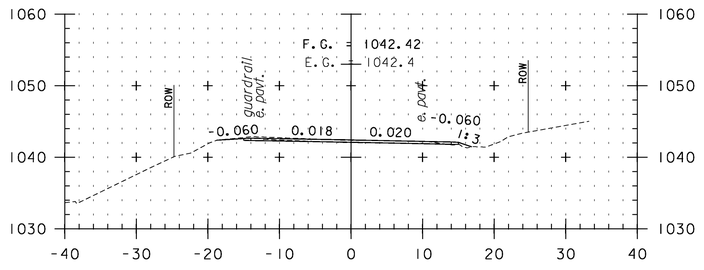
254+50



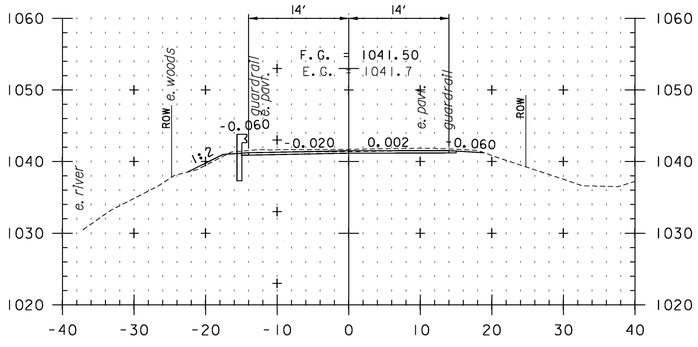
251+00



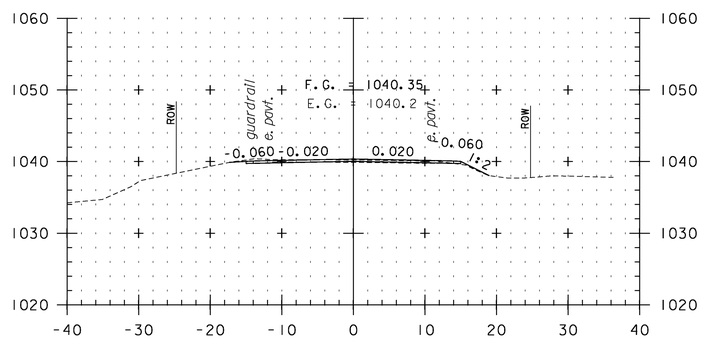
252+50



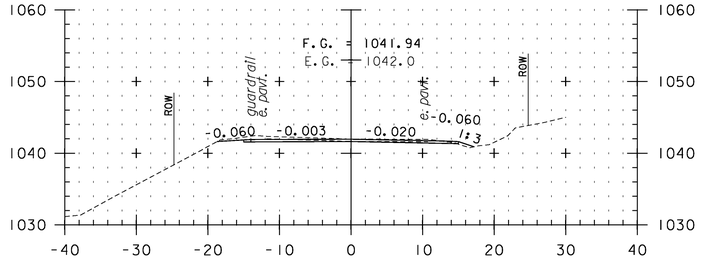
254+00



250+50



252+00



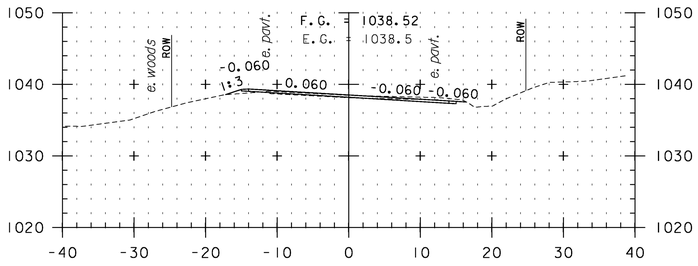
253+50

CROSS SECTION SHEET 16

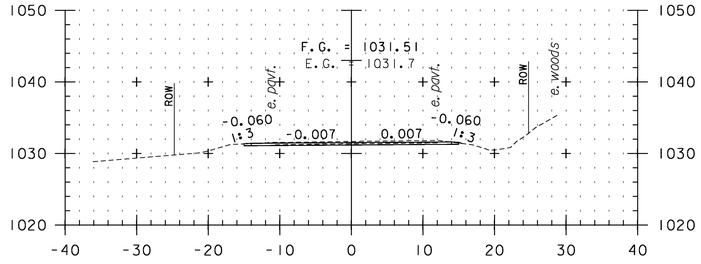
STA. 250+50 TO STA. 254+50

0 10 20
SCALE IN FEET

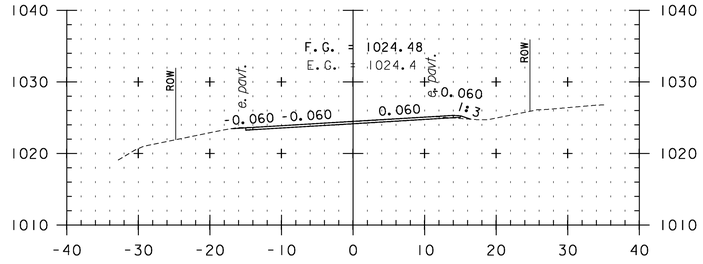
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_124	SHEET 124 OF 232



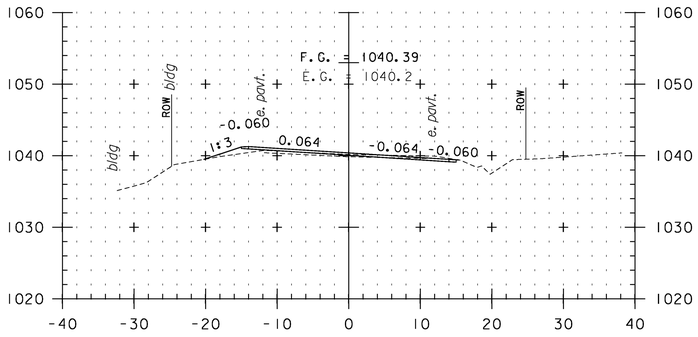
256+00



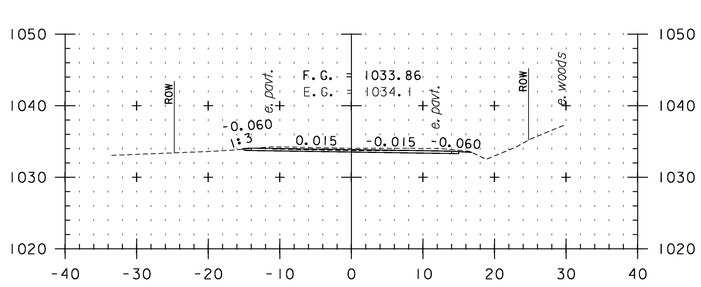
257+50



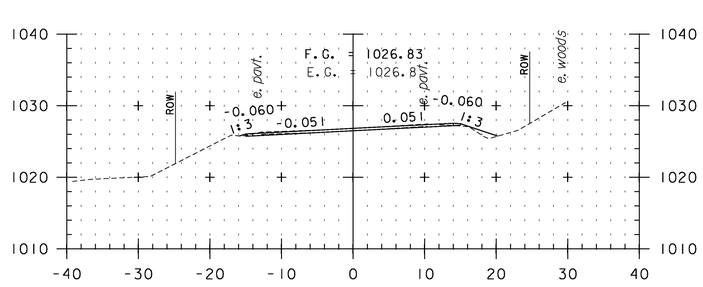
259+00



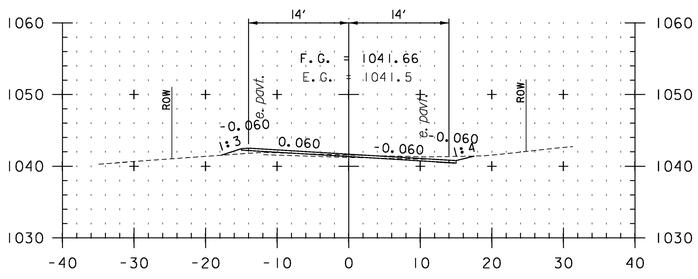
255+50



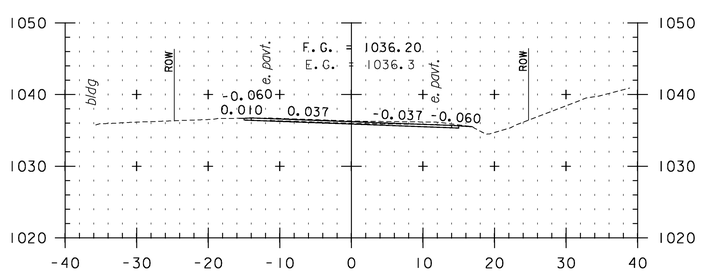
257+00



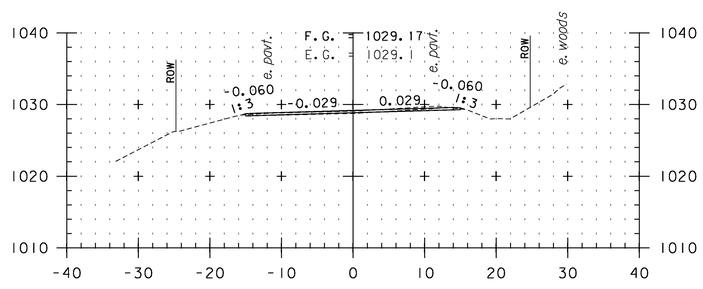
258+50



255+00



256+50



258+00

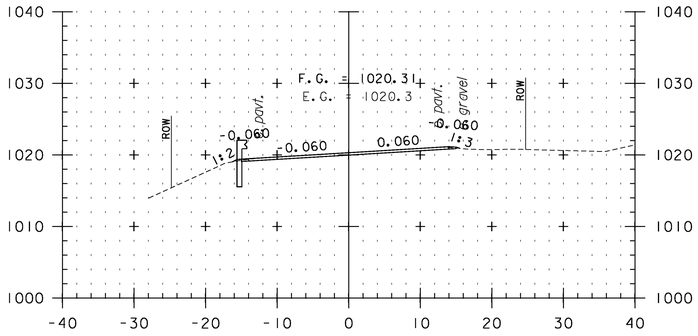
CROSS SECTION SHEET 17

STA. 255+00 TO STA. 259+00

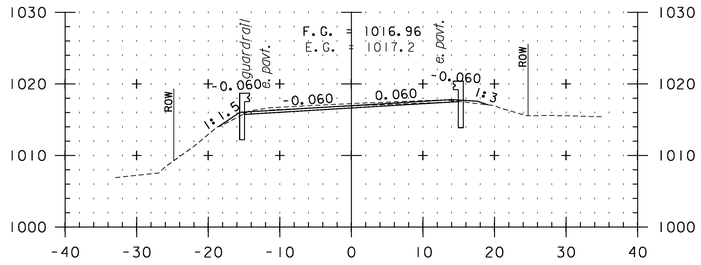
0 10 20

SCALE IN FEET

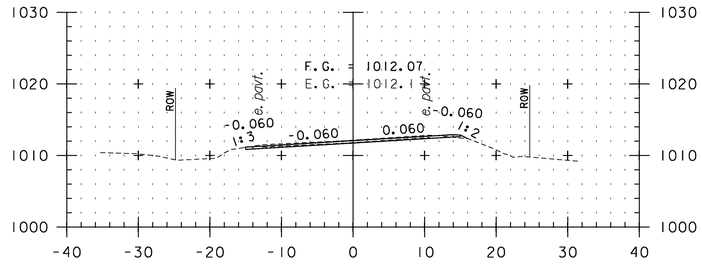
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_125	SHEET 125 OF 232



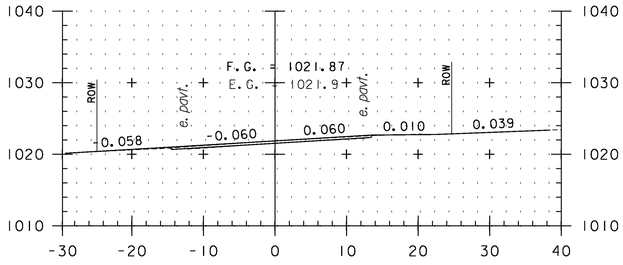
260+00



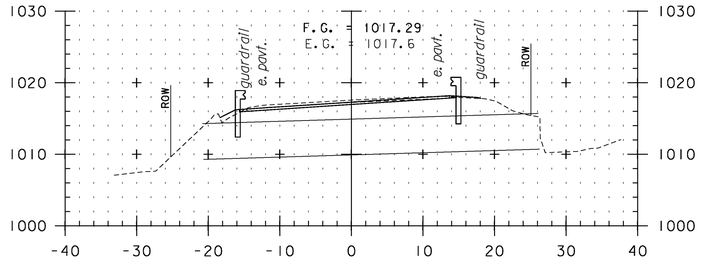
261+00



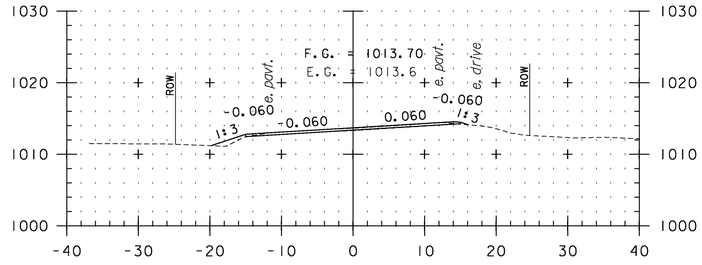
262+50



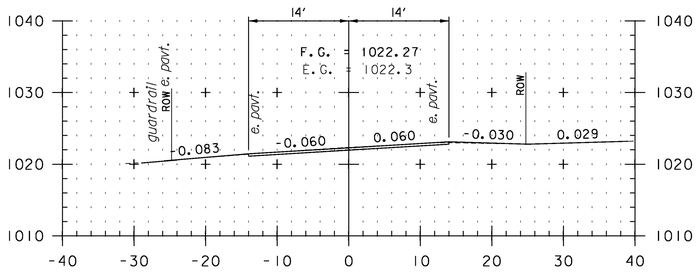
259+59
TH 45 / TH 4



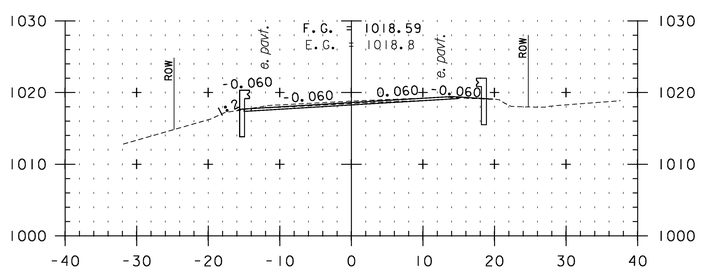
260+91
BRIDGE 16



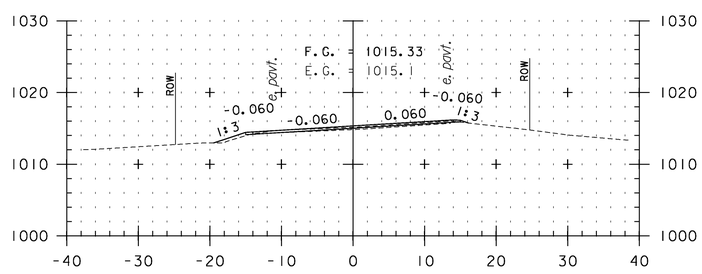
262+00



259+50



260+50



261+50

CROSS SECTION SHEET 18

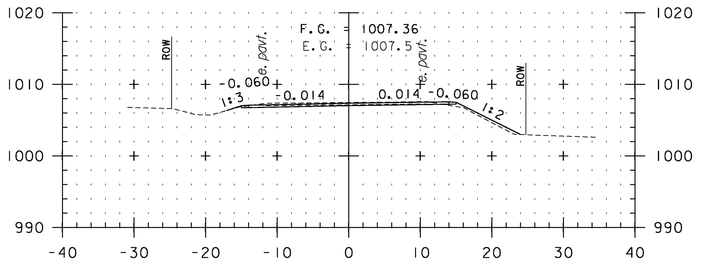
STA. 259+50 TO STA. 262+50

0 10 20
SCALE IN FEET

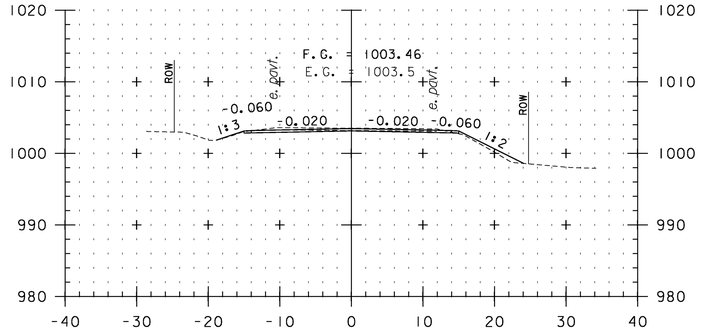
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_126

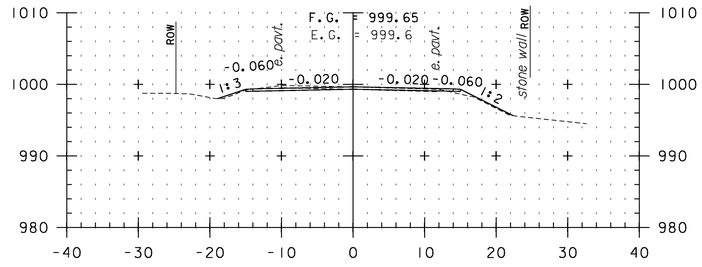
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 126 OF 232



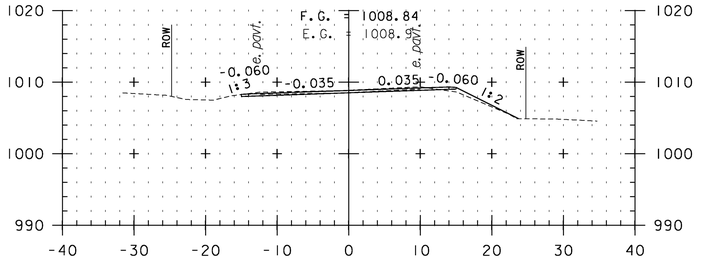
264+00



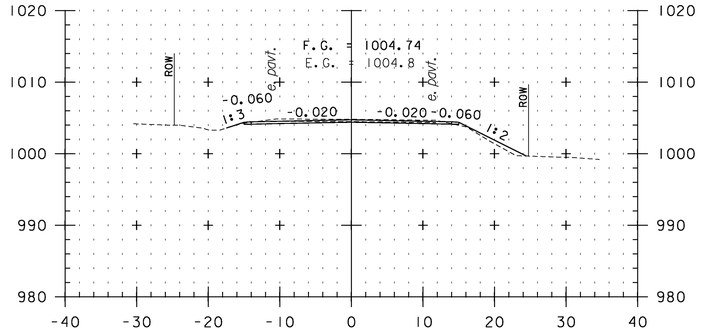
265+50



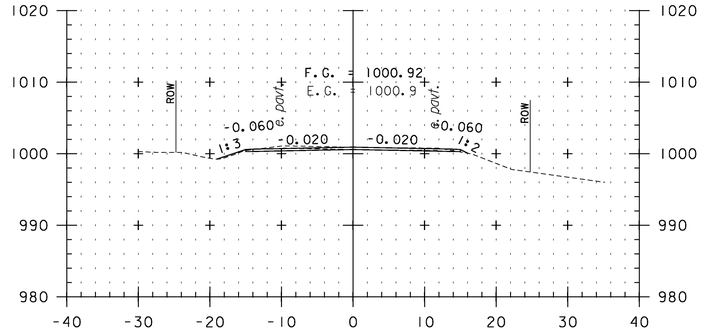
267+00



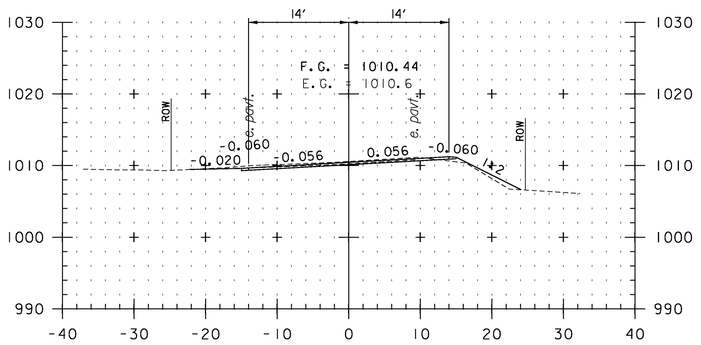
263+50



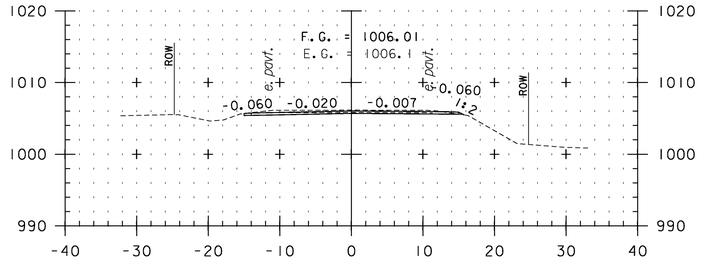
265+00



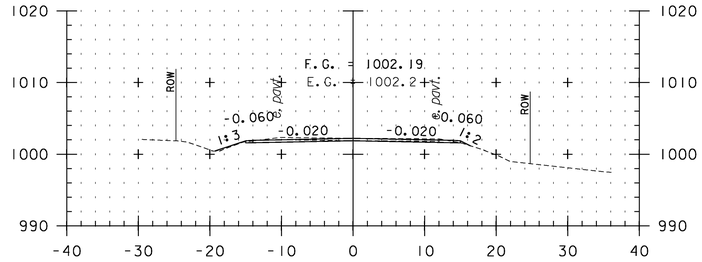
266+50



263+00



264+50



266+00

CROSS SECTION SHEET 19

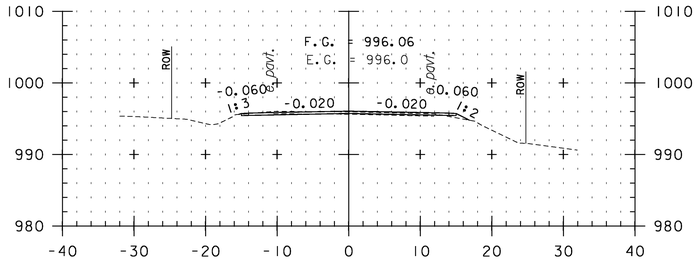
STA. 263+00 TO STA. 267+00

0 10 20
SCALE IN FEET

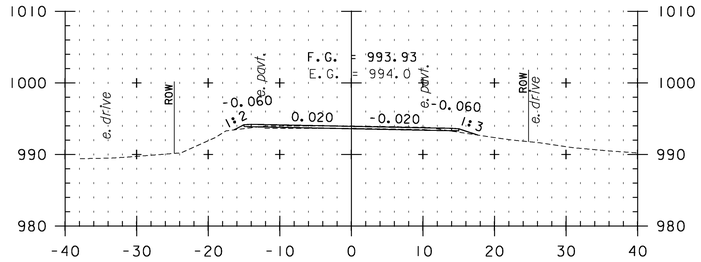
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_127

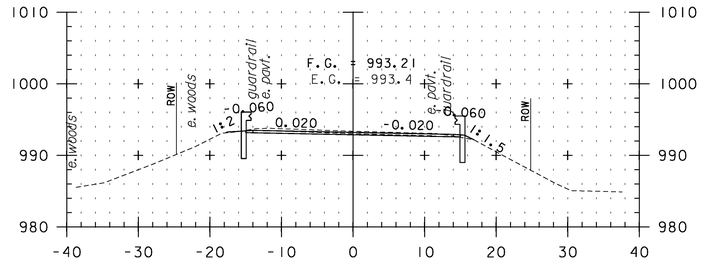
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 127 OF 232



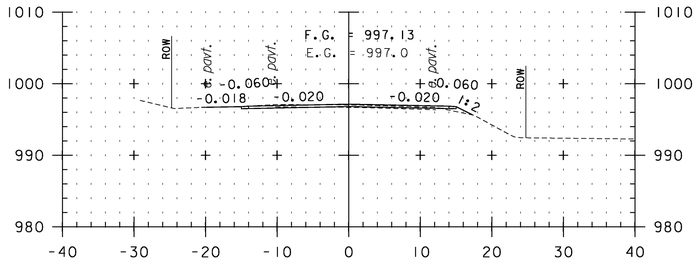
268+50



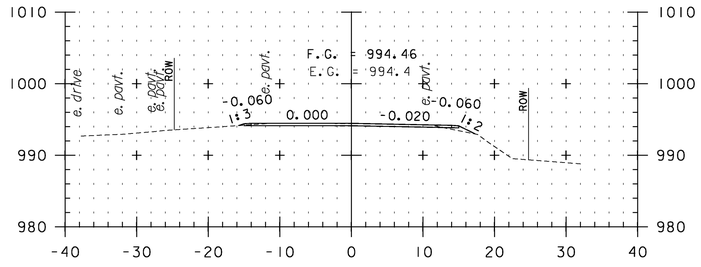
270+00



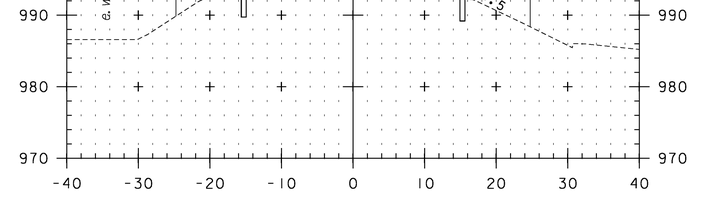
271+50



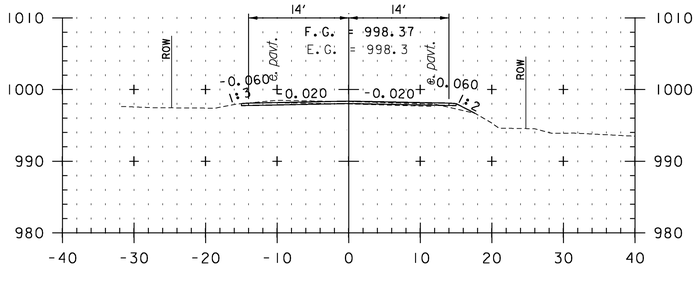
268+00



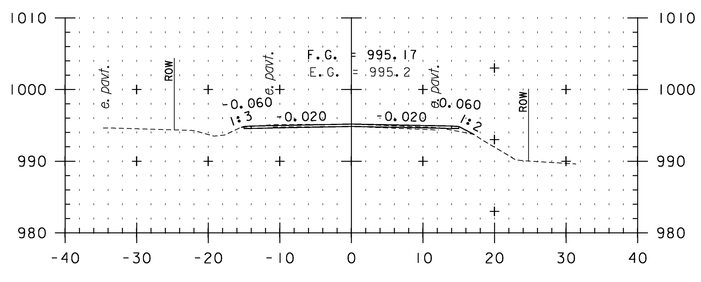
269+50



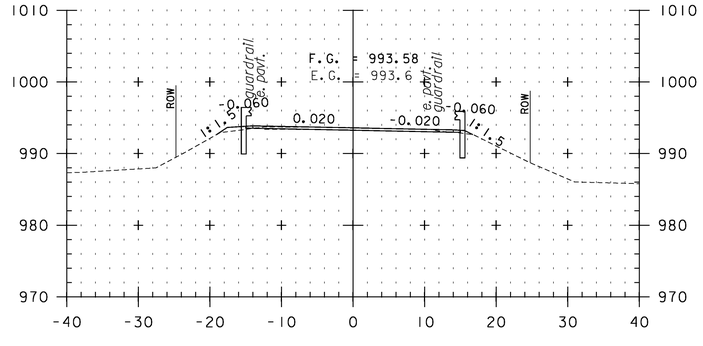
271+00



267+50



269+00



270+50

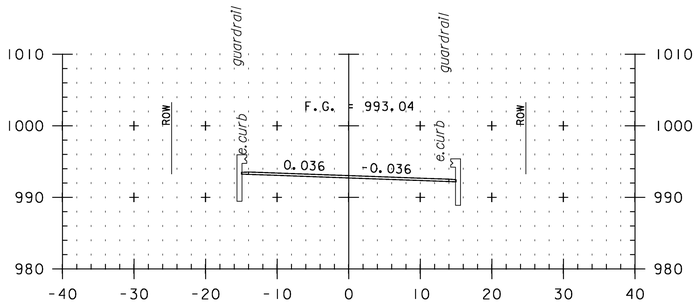
CROSS SECTION SHEET 20

STA. 267+50 TO STA. 271+50

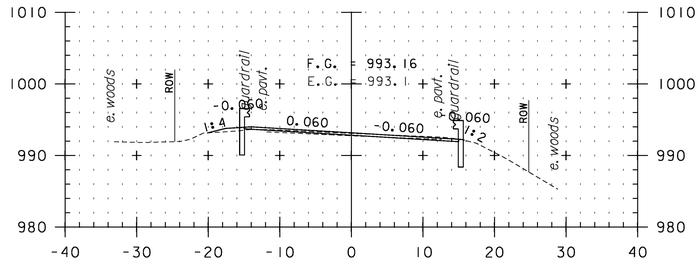
0 10 20

SCALE IN FEET

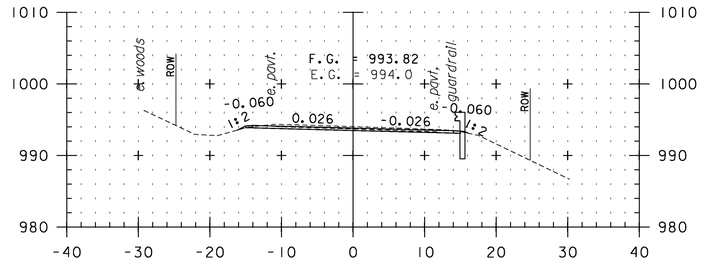
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_128	SHEET 128 OF 232



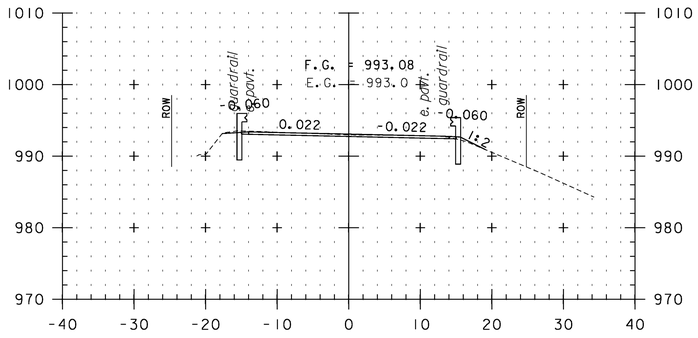
272+50
BRIDGE 17



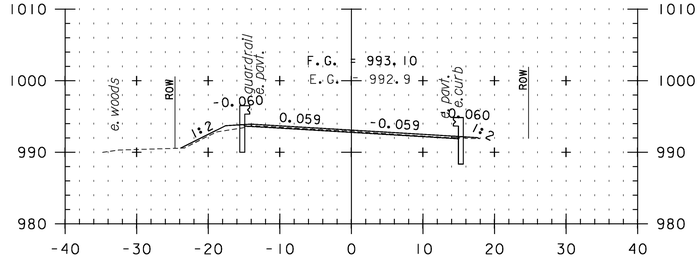
273+50



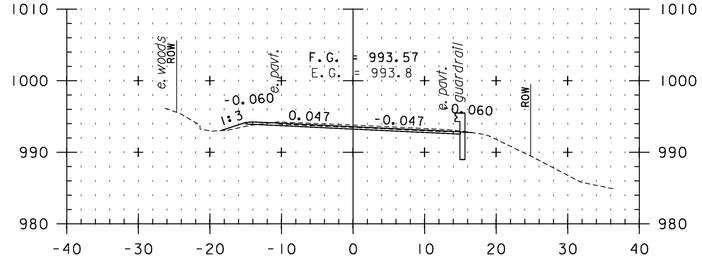
275+00



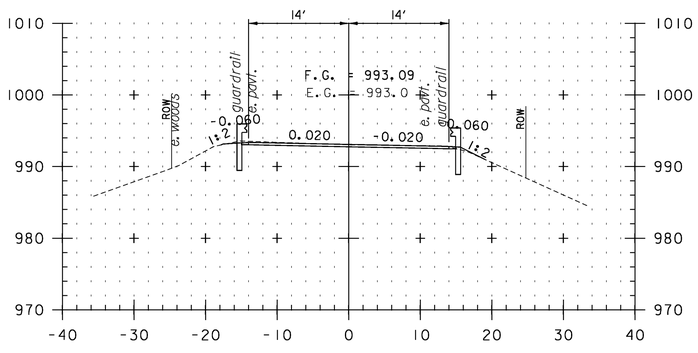
272+06
BEGIN BRIDGE 17 APPROACH



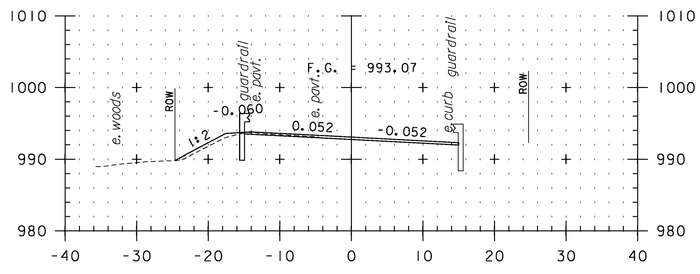
273+23
END BRIDGE 17 APPROACH



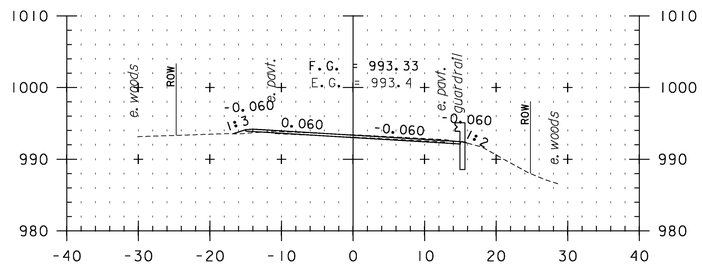
274+50



272+00



273+00



274+00

STA. 272+00 TO STA. 275+00

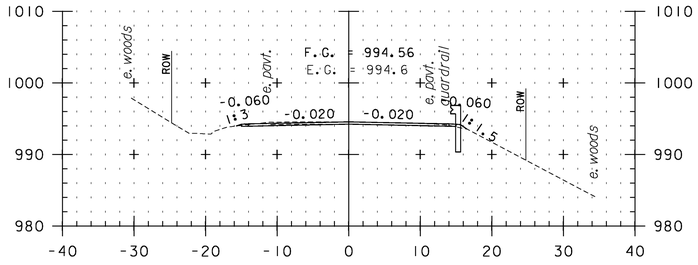
0 10 20
SCALE IN FEET

CROSS SECTION SHEET 21

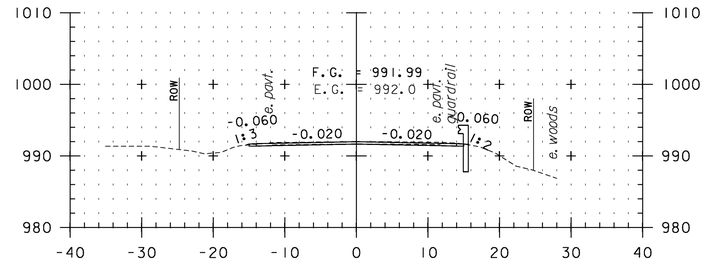
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_129

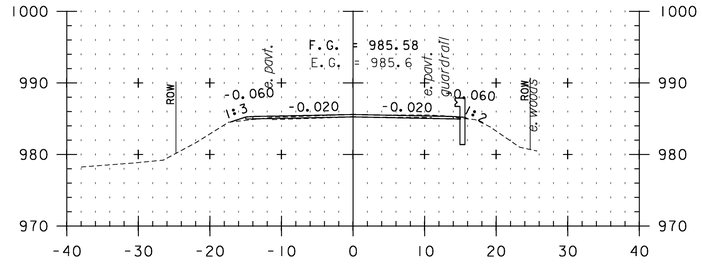
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 129 OF 232



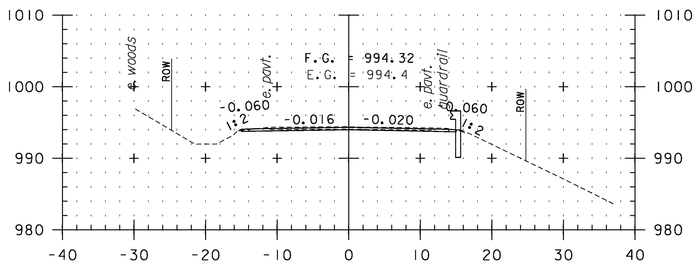
276+50



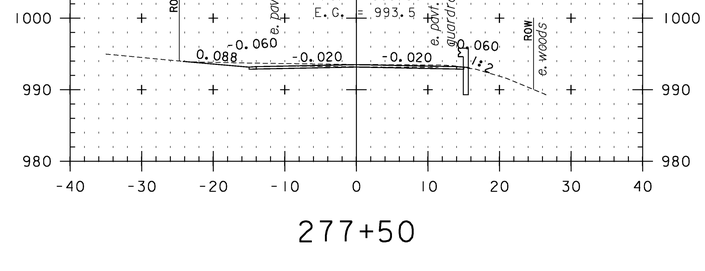
278+00



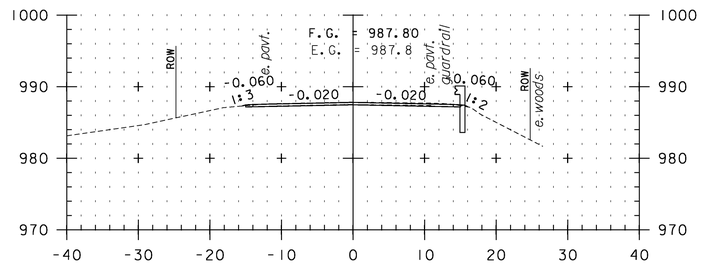
279+50



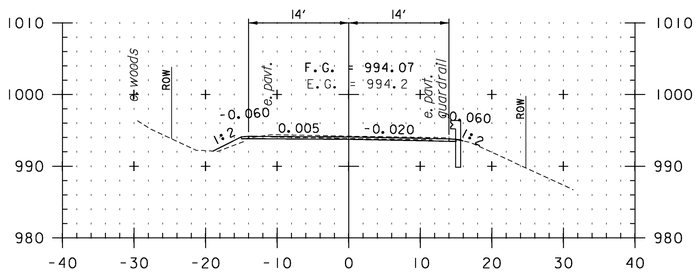
276+00



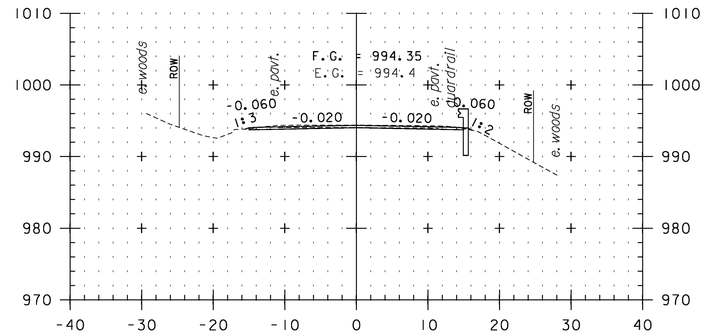
277+50



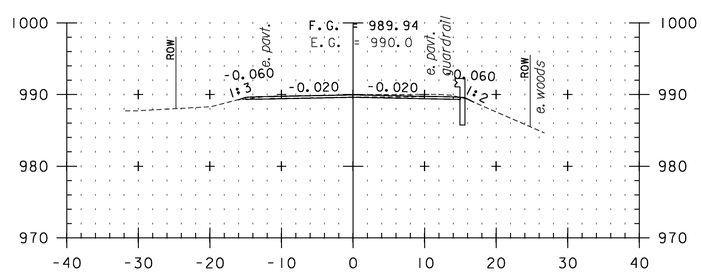
279+00



275+50



277+00



278+50

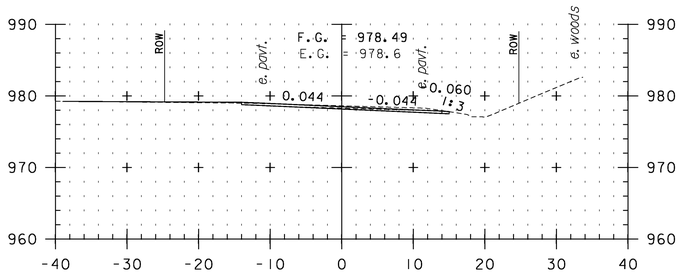
CROSS SECTION SHEET 22

STA. 275+50 TO STA. 279+50

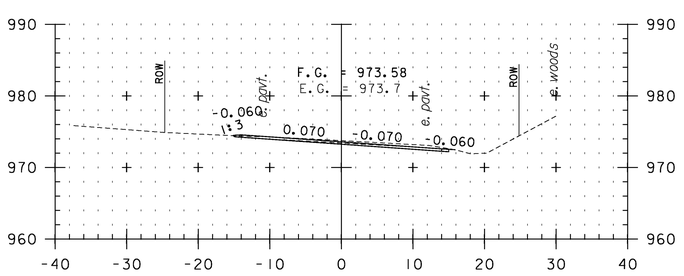
0 10 20

SCALE IN FEET

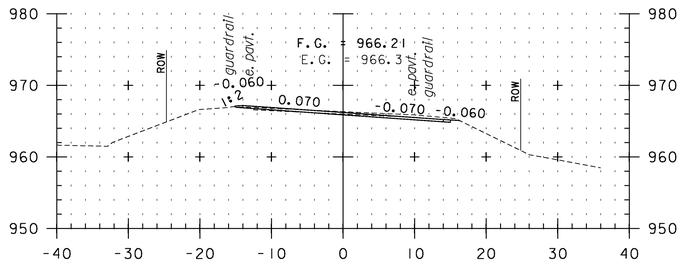
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_130	SHEET 130 OF 232



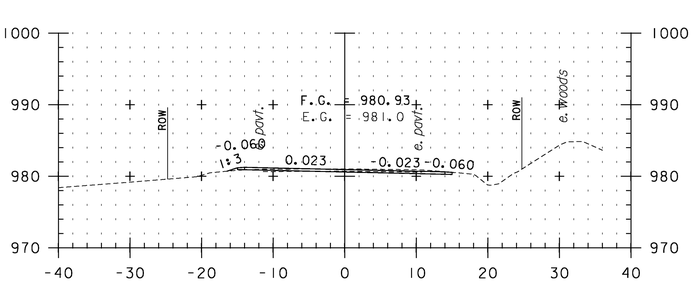
281+00



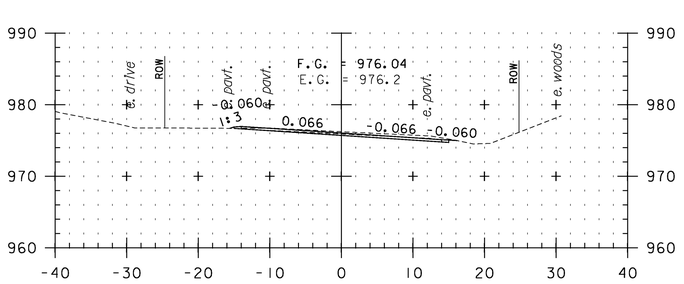
282+00



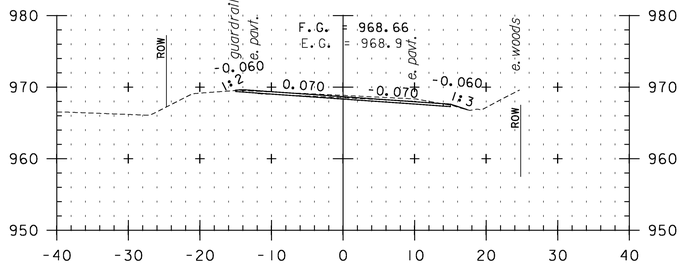
283+50



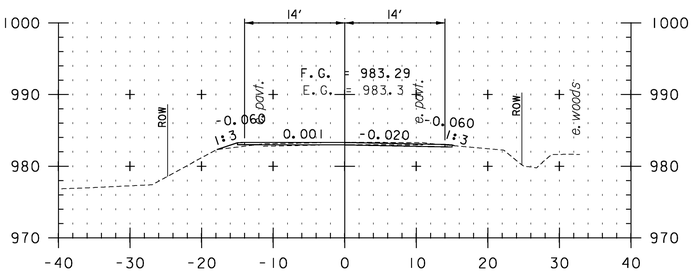
280+50



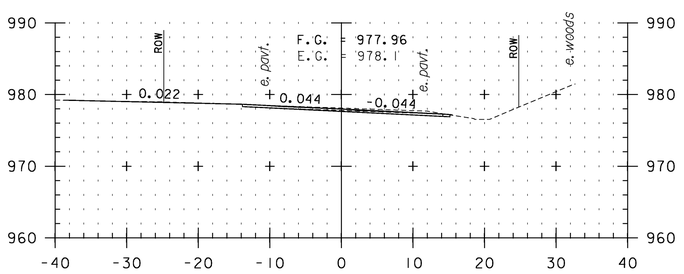
281+50



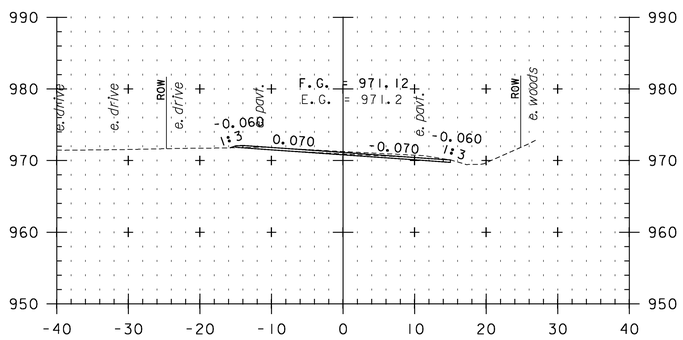
283+00



280+00



281+11
TH 3



282+50

CROSS SECTION SHEET 23

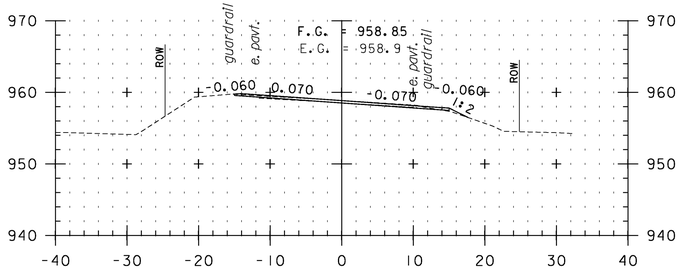
STA. 280+00 TO STA. 283+50

0 10 20
SCALE IN FEET

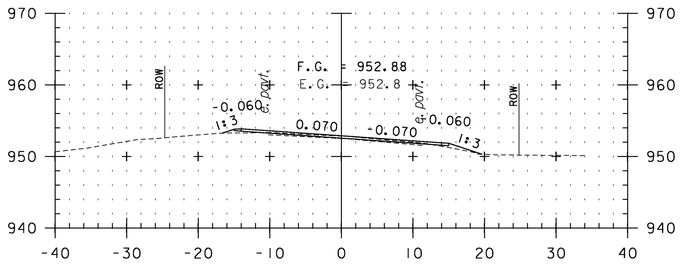
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_131

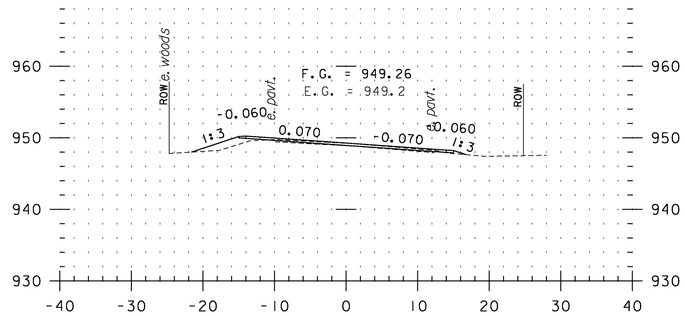
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 131 OF 232



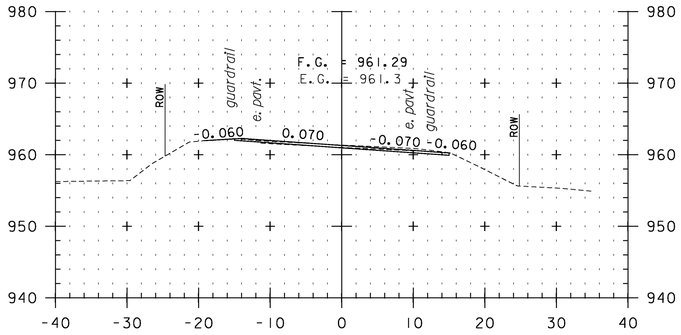
285+00



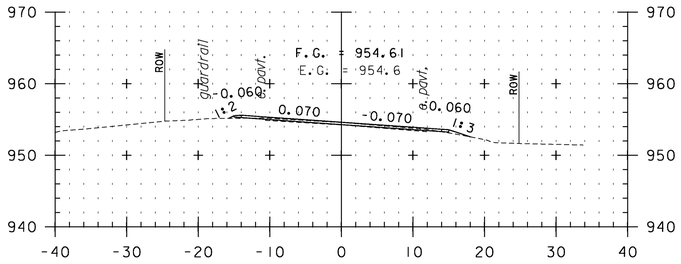
286+50



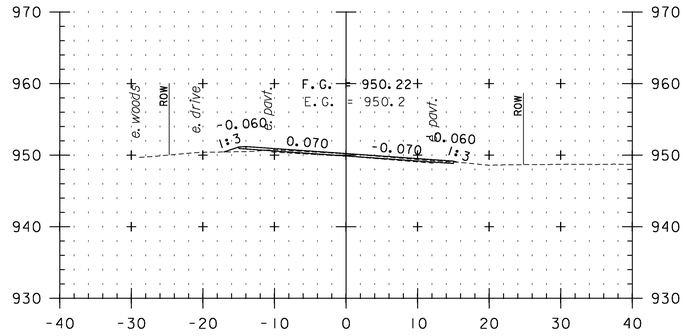
288+00



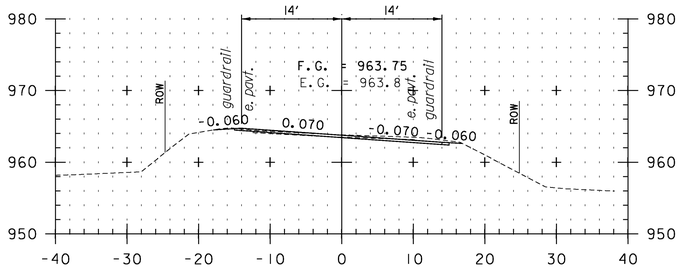
284+50



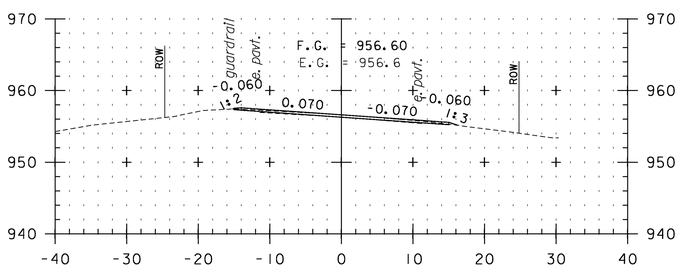
286+00



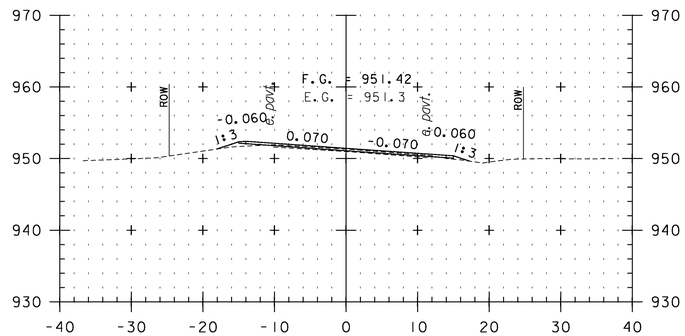
287+50



284+00



285+50



287+00

CROSS SECTION SHEET 24

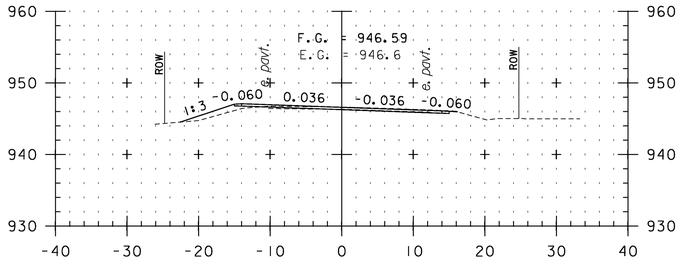
STA. 284+00 TO STA. 288+00

0 10 20
SCALE IN FEET

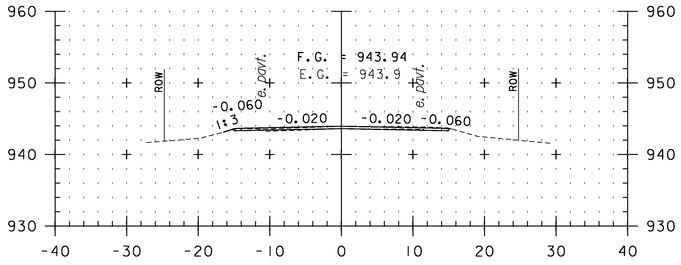
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_132

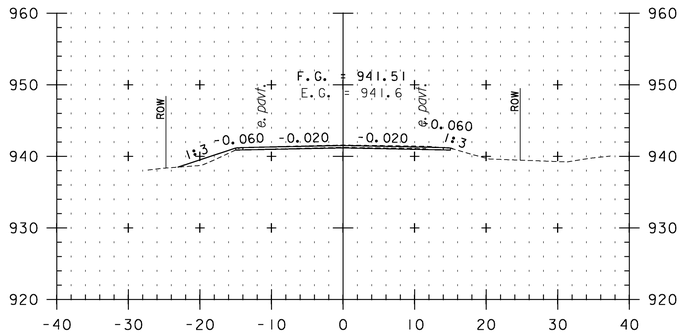
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 132 OF 232



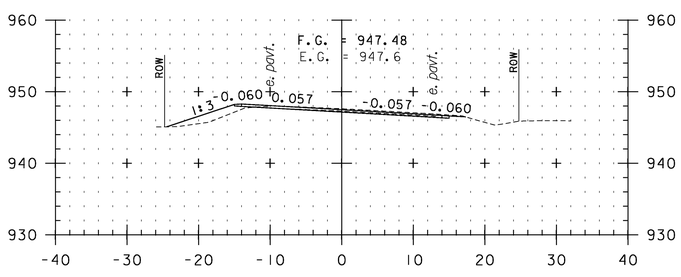
289+50



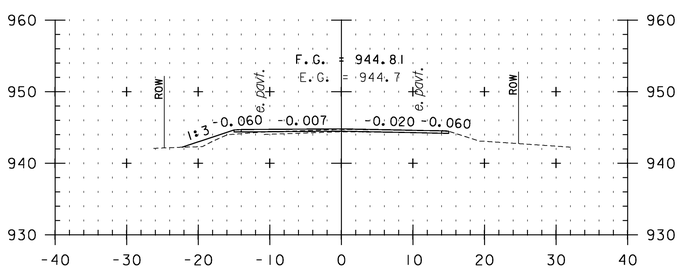
291+00



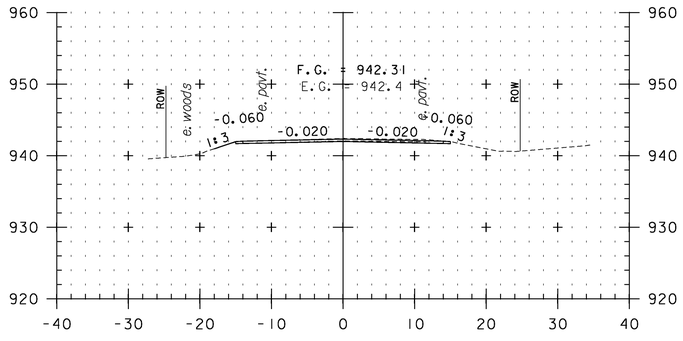
292+50



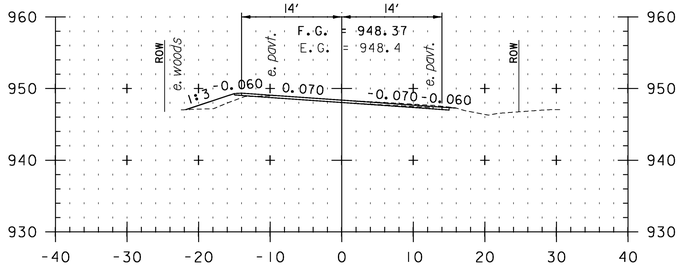
289+00



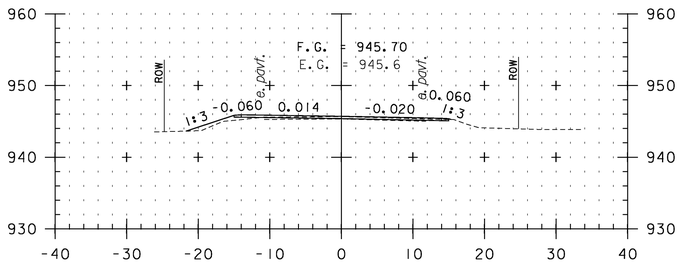
290+50



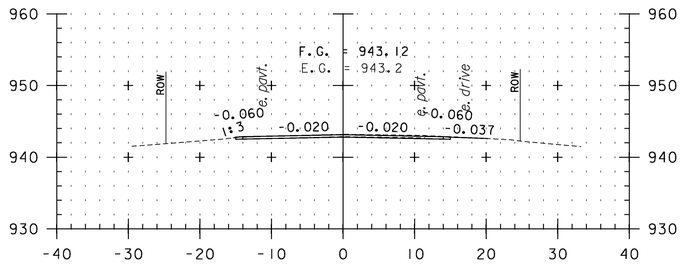
292+00



288+50



290+00



291+50

CROSS SECTION SHEET 25

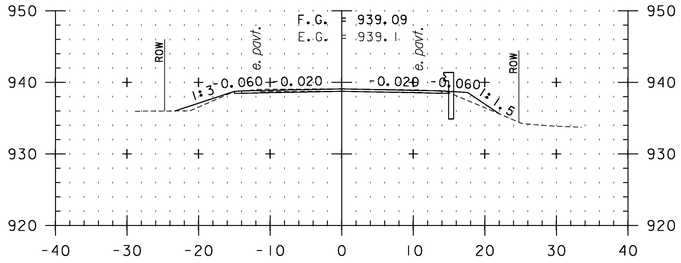
STA. 288+50 TO STA. 292+50

0 10 20
SCALE IN FEET

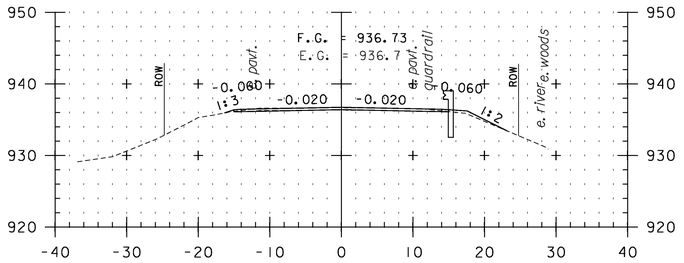
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_133

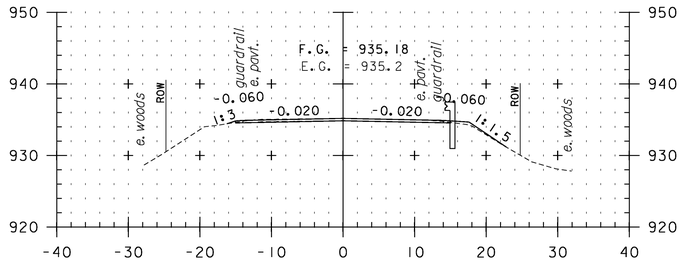
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 133 OF 232



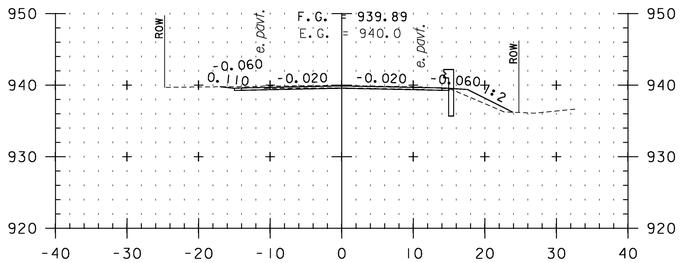
294+00



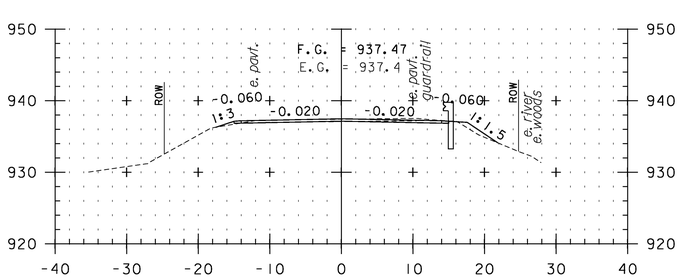
295+50



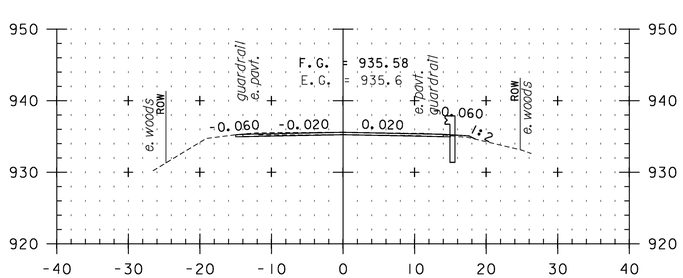
297+00



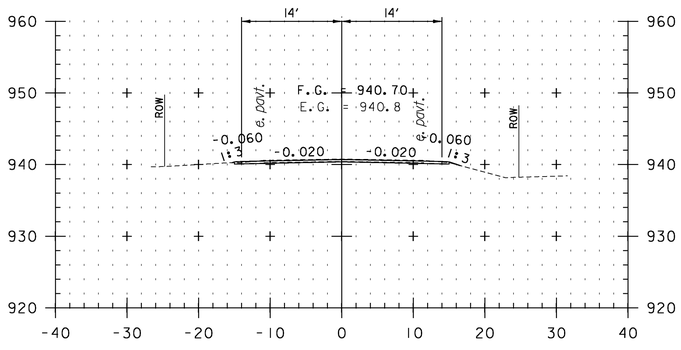
293+50



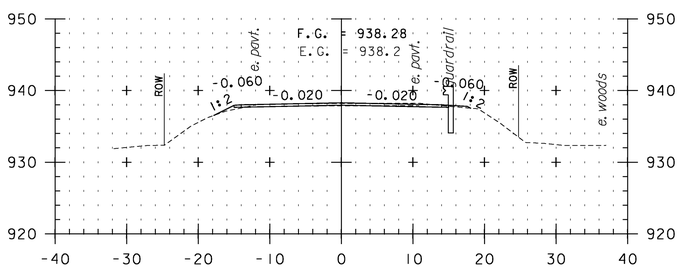
295+00



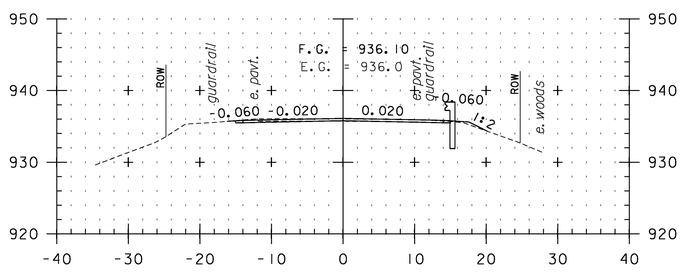
296+50



293+00



294+50



296+00

CROSS SECTION SHEET 26

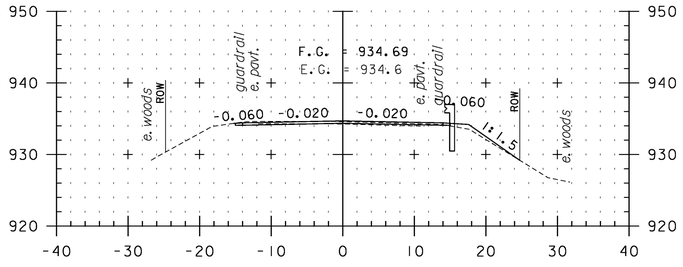
STA. 293+00 TO STA. 297+00

0 10 20
SCALE IN FEET

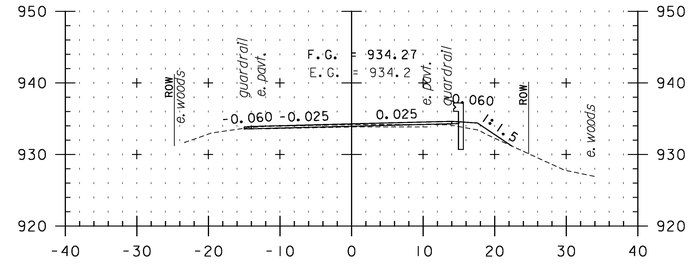
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_134

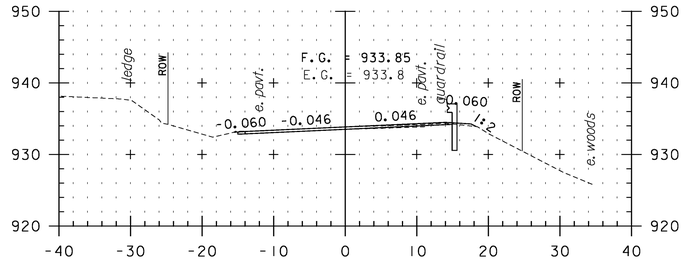
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 134 OF 232



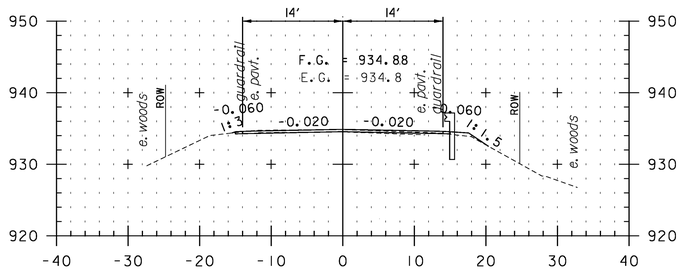
298+00



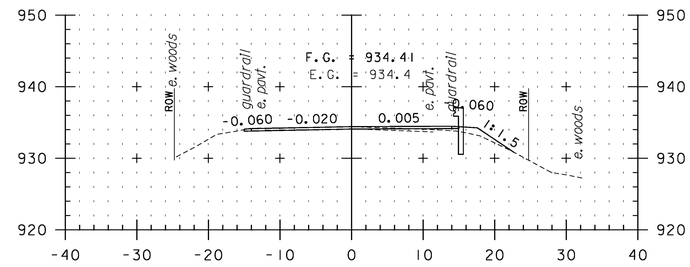
299+50



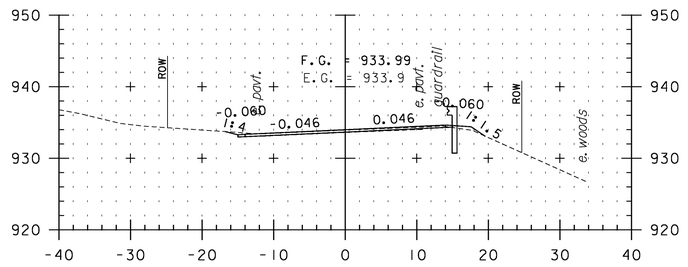
301+00



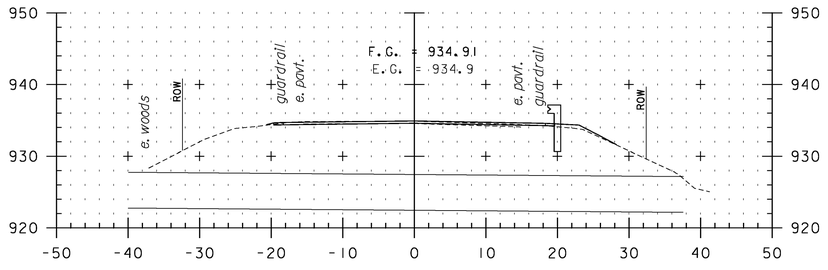
297+50



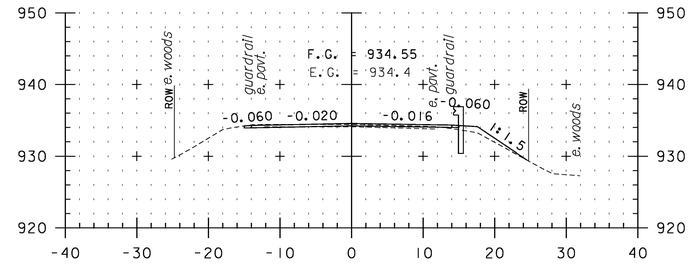
299+00



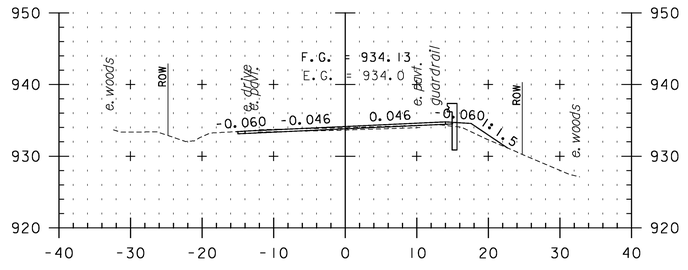
300+50



297+46
BRIDGE 18



298+50



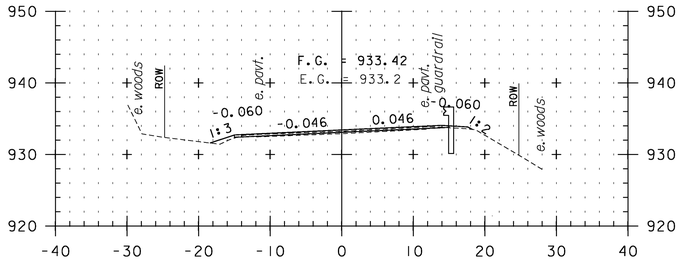
300+00

CROSS SECTION SHEET 27

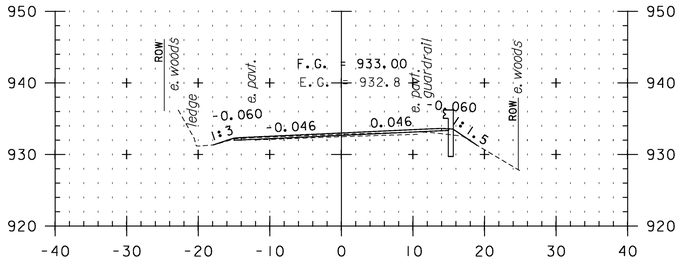
STA. 297+46 TO STA. 301+00

0 10 20
SCALE IN FEET

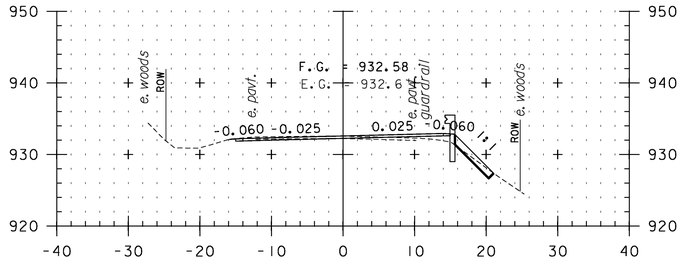
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_135	SHEET 135 OF 232



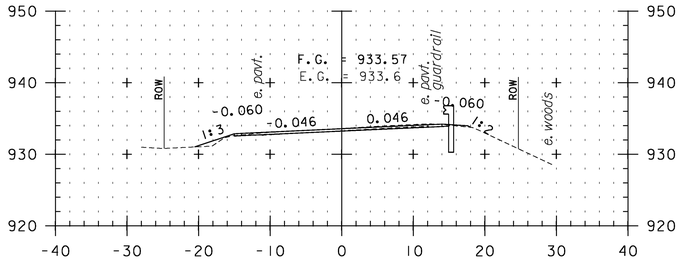
302+50



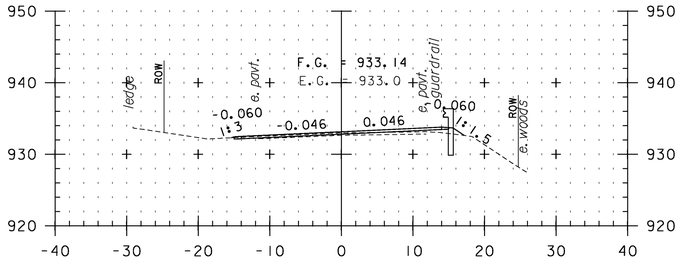
304+00



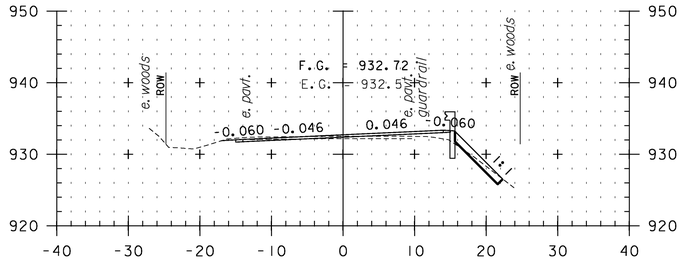
305+50



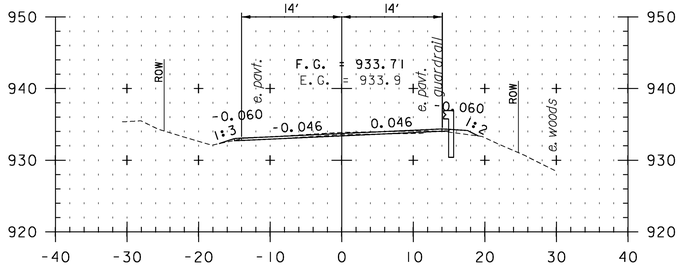
302+00



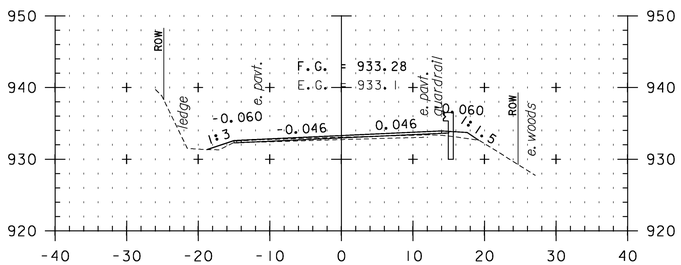
303+50



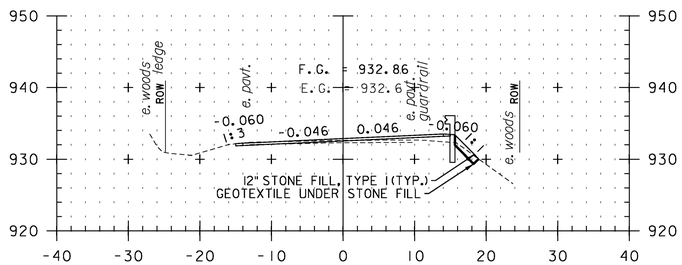
305+00



301+50



303+00



304+50

CROSS SECTION SHEET 28

STA. 301+50 TO STA. 305+50

0 10 20

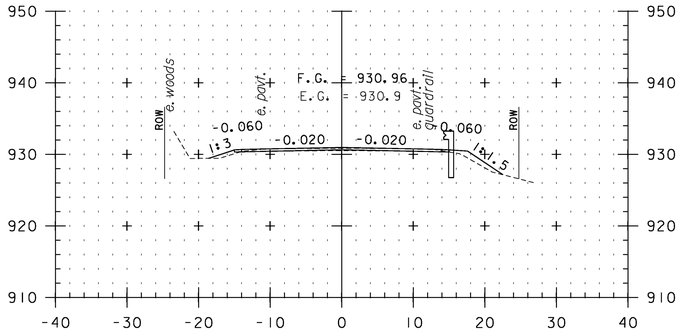
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

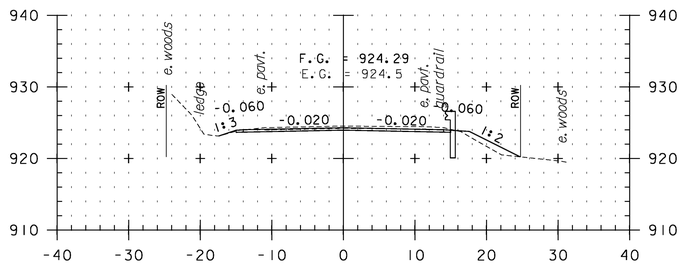
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_136

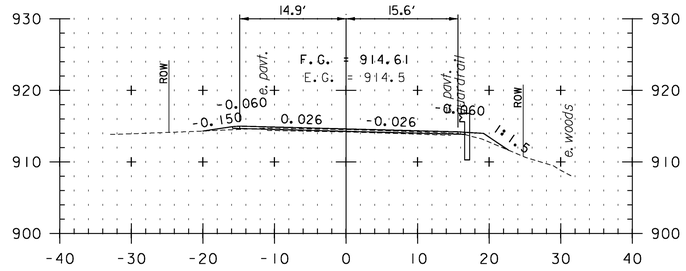
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 136 OF 232



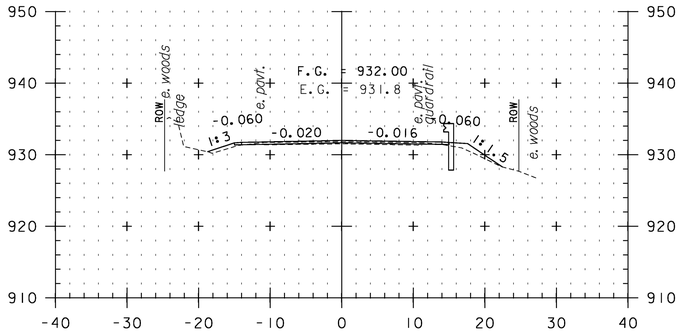
307+00



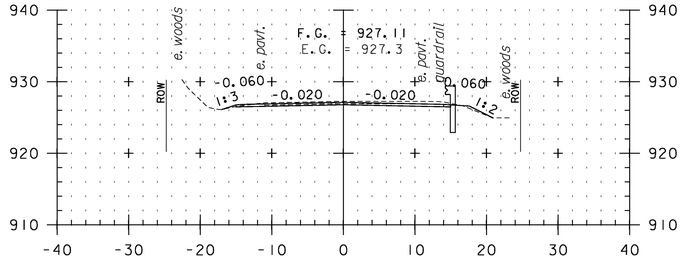
308+50



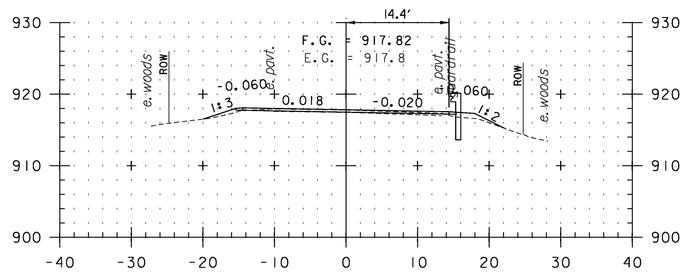
310+00



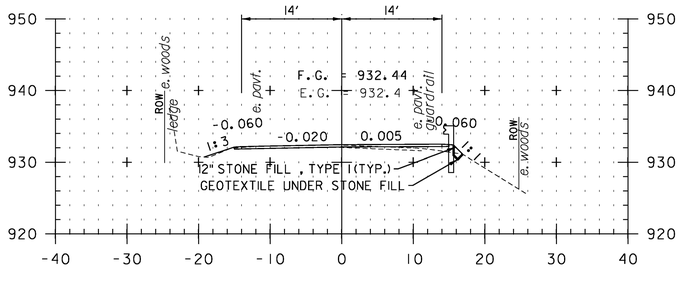
306+50



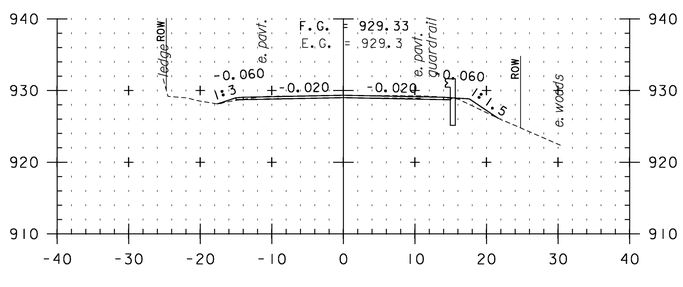
308+00



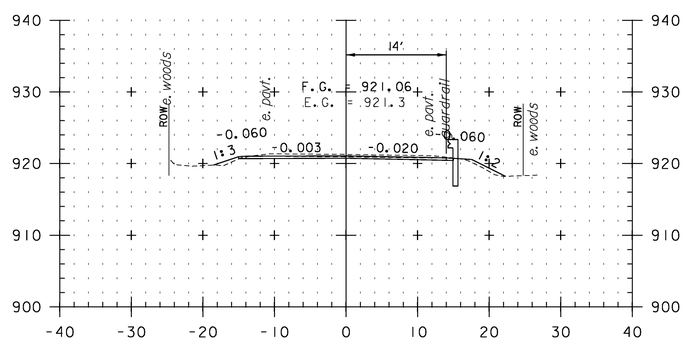
309+50



306+00



307+50



309+00

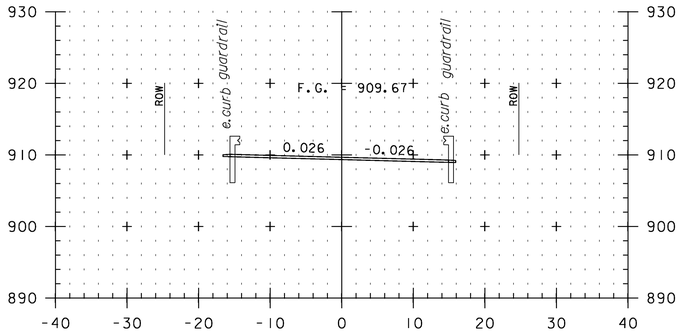
CROSS SECTION SHEET 29

STA. 306+00 TO STA. 310+00

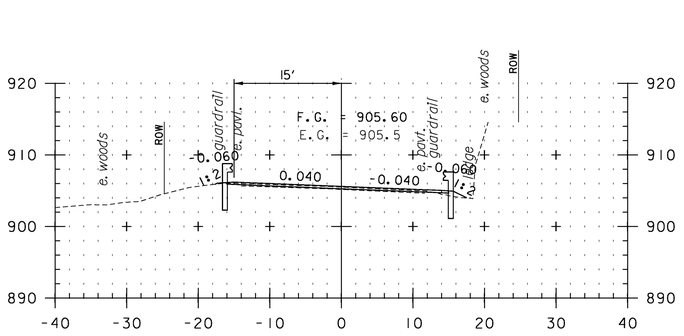
0 10 20

SCALE IN FEET

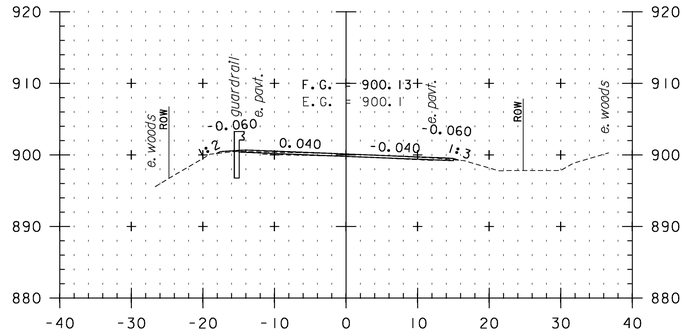
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(I)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_137	SHEET 137 OF 232



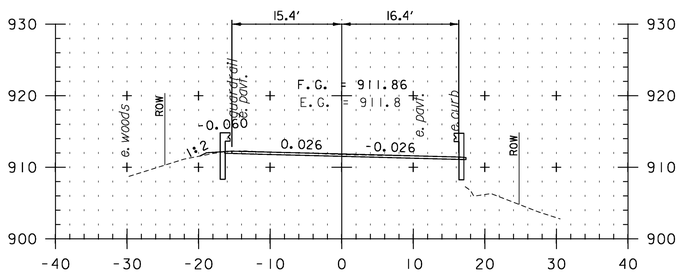
311+00



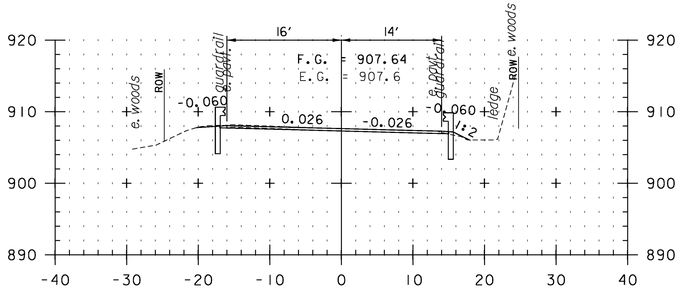
312+00



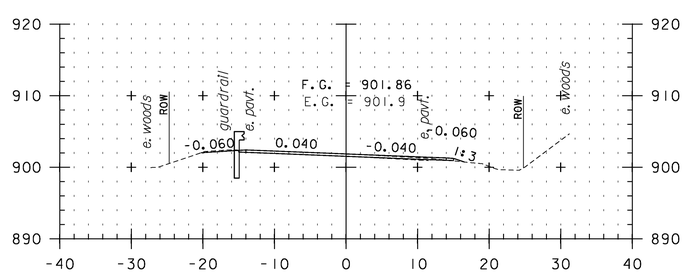
313+50



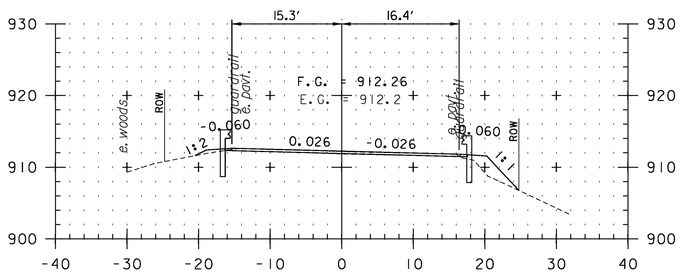
310+50



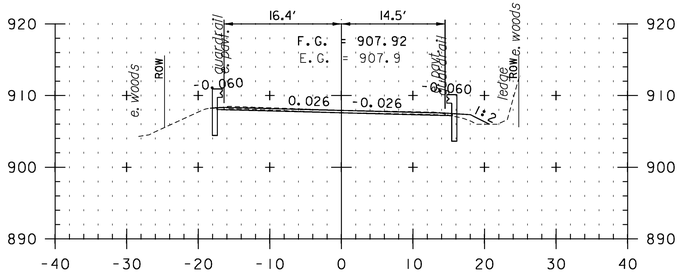
311+50



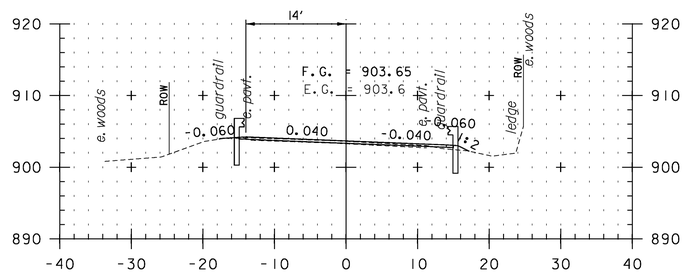
313+00



310+43
BEGIN BRIDGE 19 APPROACH



311+43
END BRIDGE 19 APPROACH



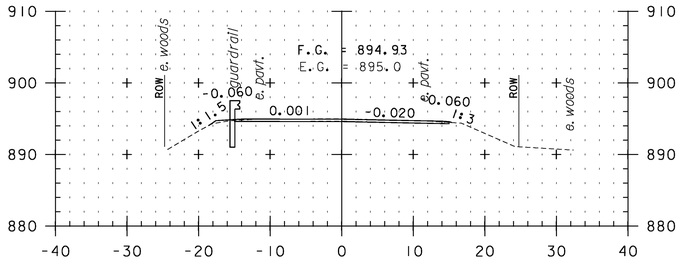
312+50

CROSS SECTION SHEET 30

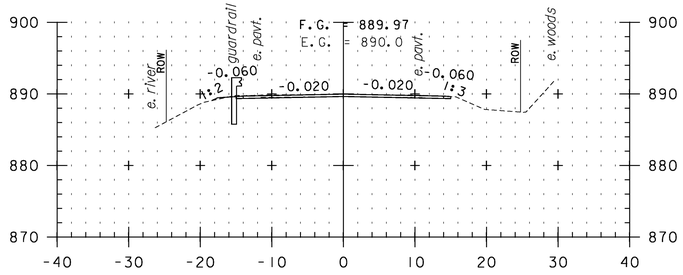
STA. 310+43 TO STA. 313+50

0 10 20
SCALE IN FEET

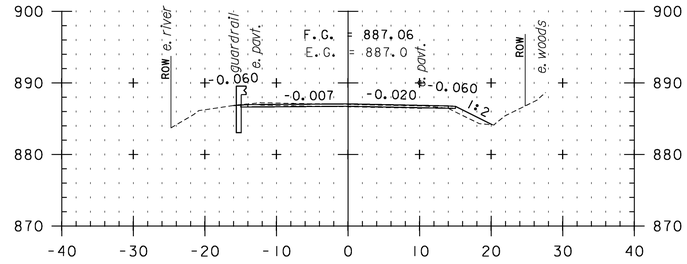
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_138	SHEET 138 OF 232



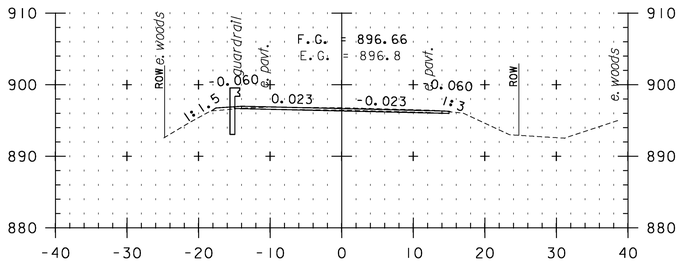
315+00



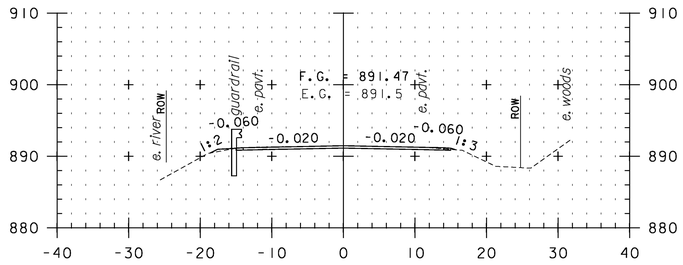
316+50



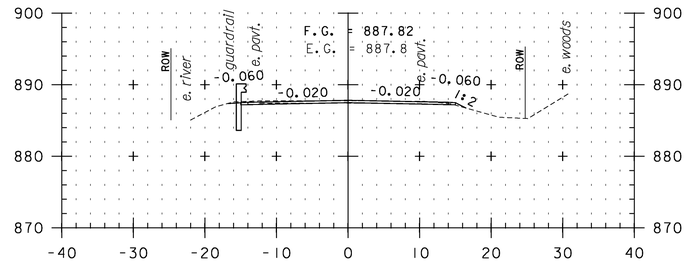
318+00



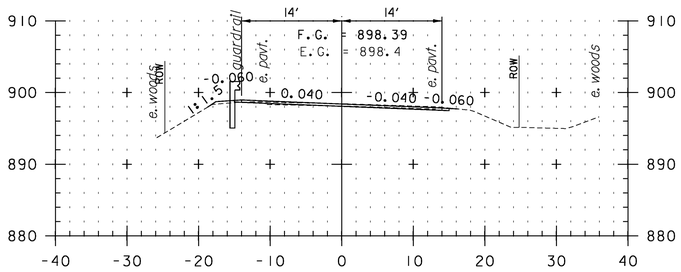
314+50



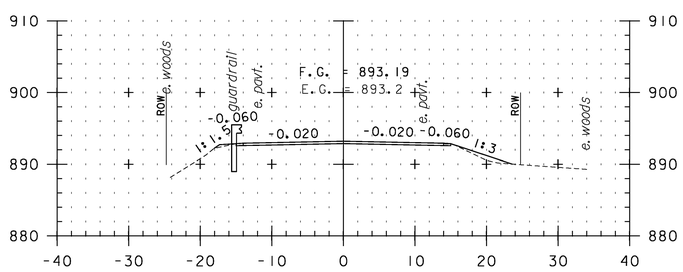
316+00



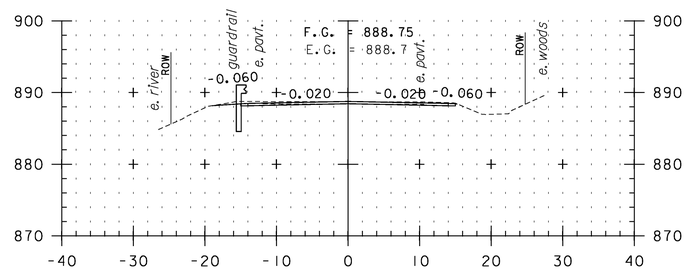
317+50



314+00



315+50



317+00

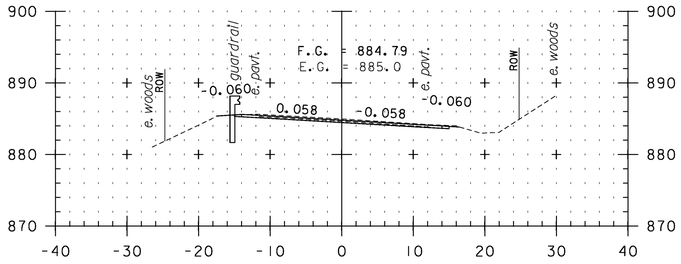
CROSS SECTION SHEET 31

STA. 314+00 TO STA. 318+00

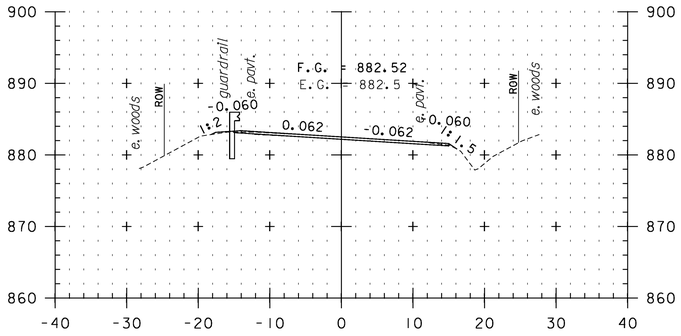
0 10 20

SCALE IN FEET

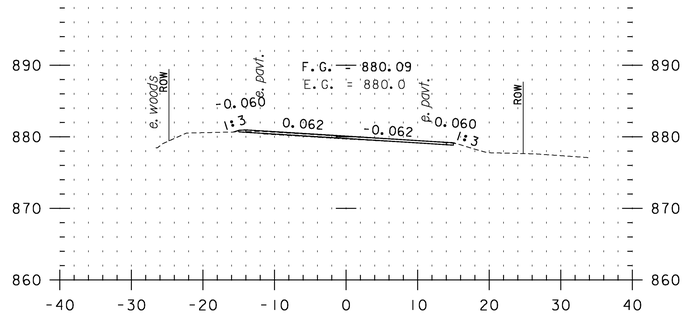
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_139	SHEET 139 OF 232



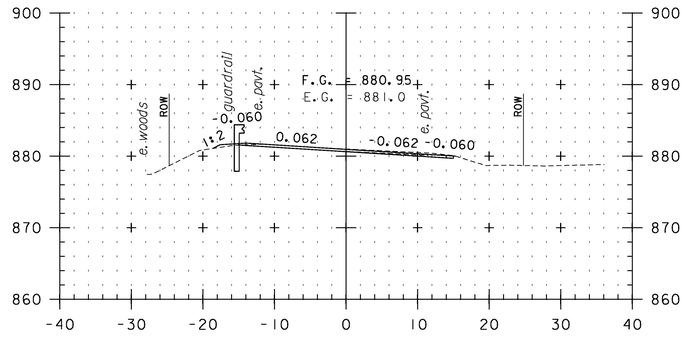
319+50



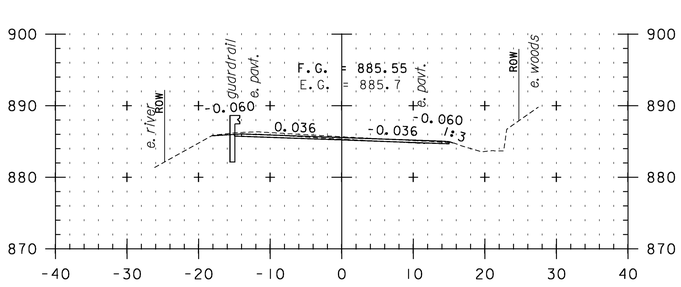
321+00



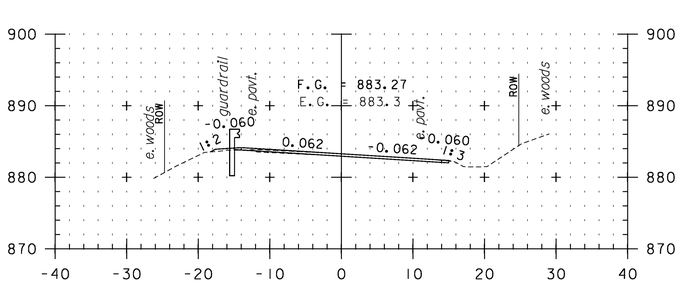
322+50



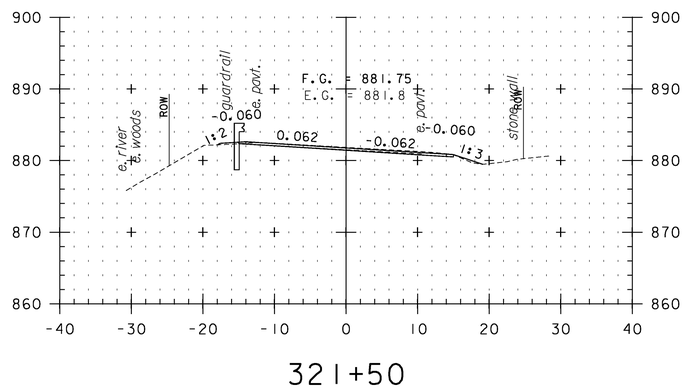
322+00



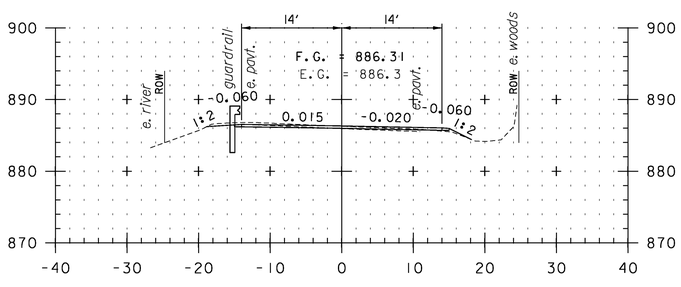
319+00



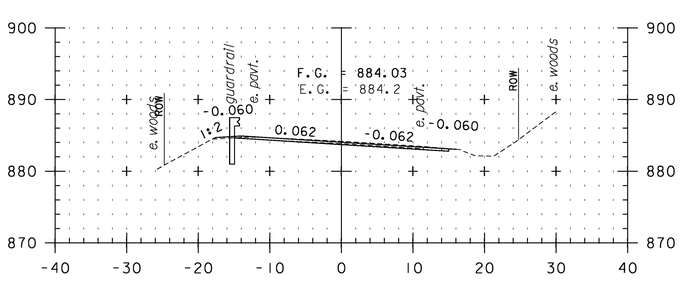
320+50



321+50



318+50



320+00

CROSS SECTION SHEET 32

STA. 318+50 TO STA. 322+50

0 10 20

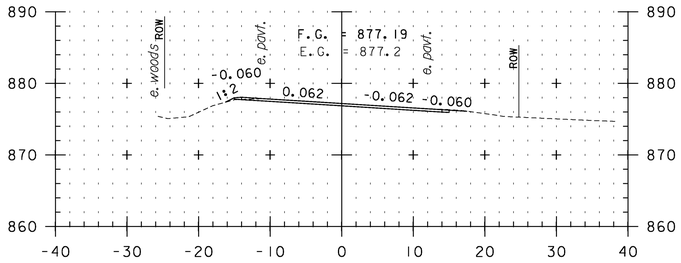
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

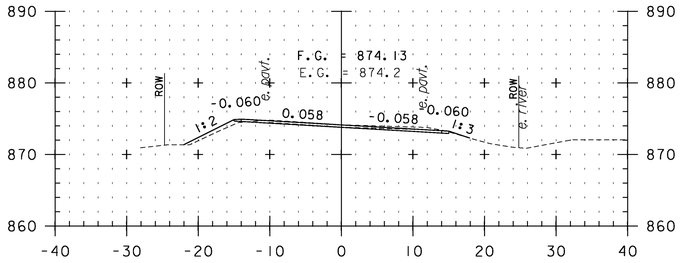
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_140

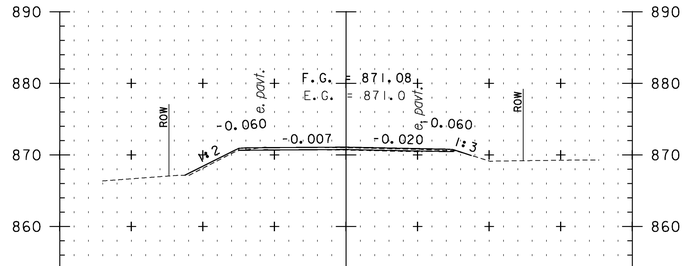
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 140 OF 232



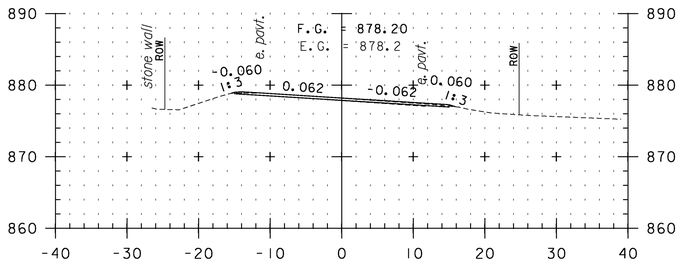
324+00



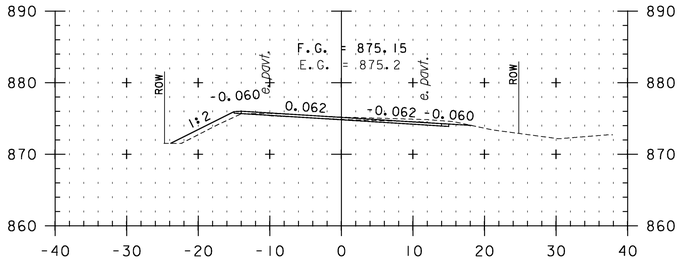
325+50



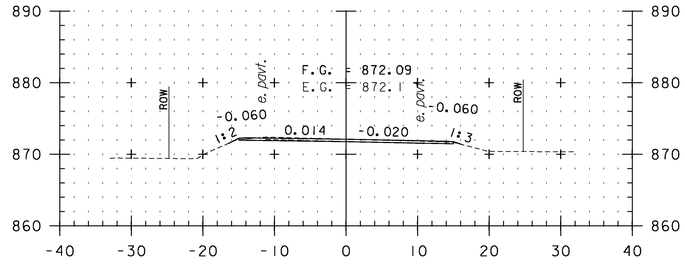
327+00



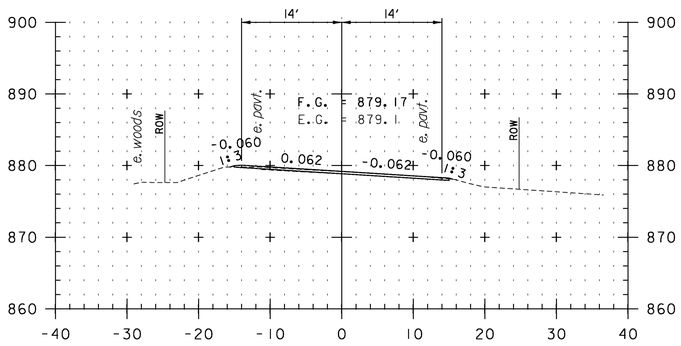
323+50



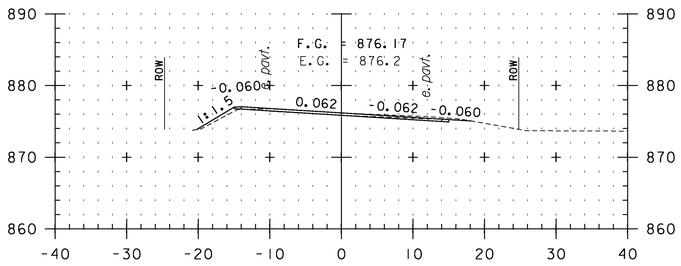
325+00



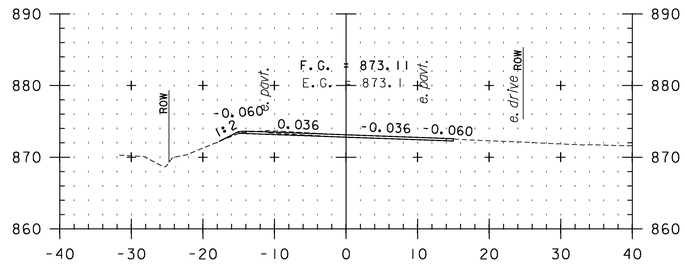
326+50



323+00



324+50



326+00

CROSS SECTION SHEET 33

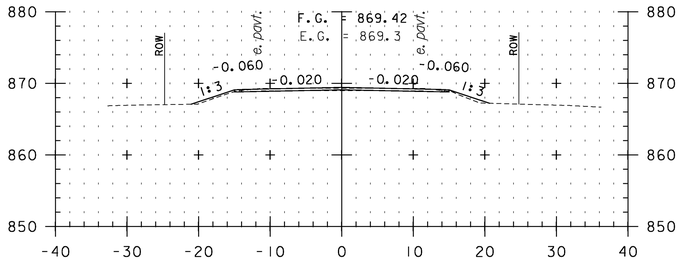
STA. 323+00 TO STA. 327+00

0 10 20
SCALE IN FEET

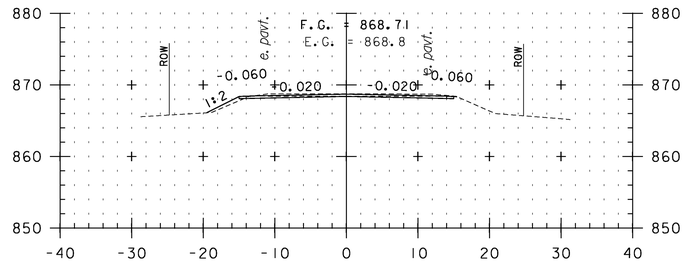
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_141

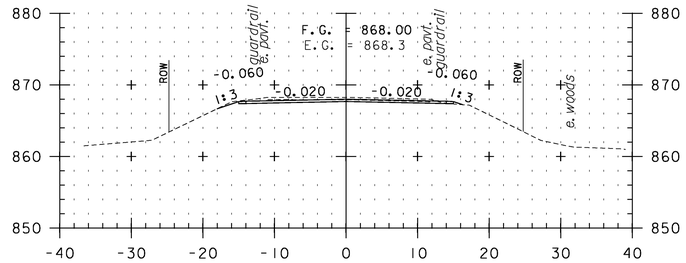
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 141 OF 232



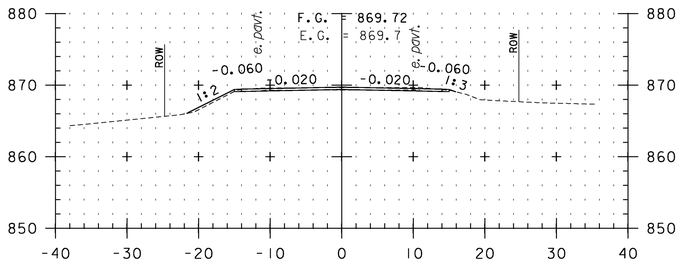
328+50



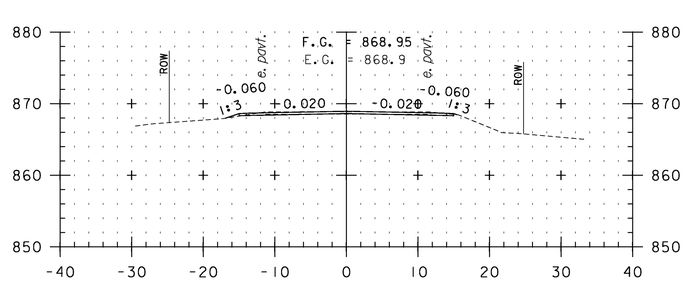
330+00



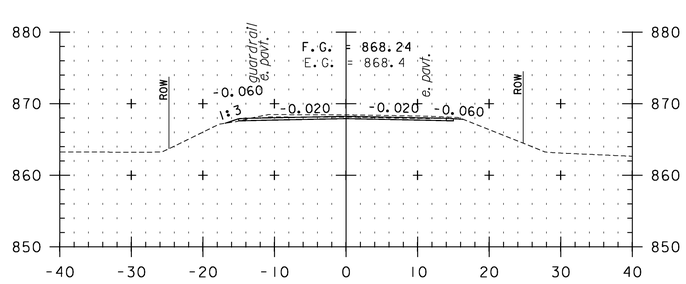
331+50



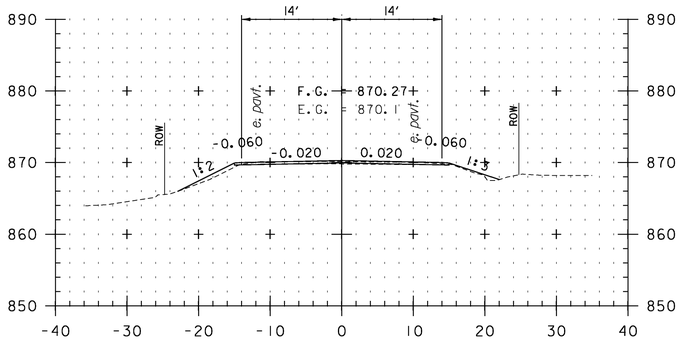
328+00



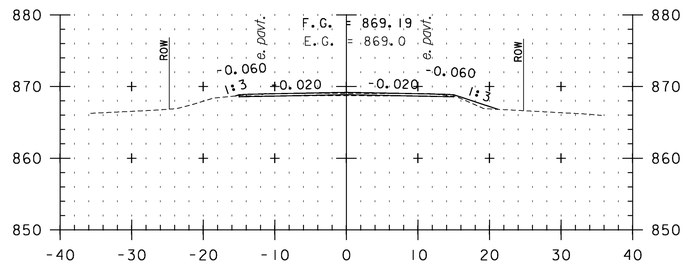
329+50



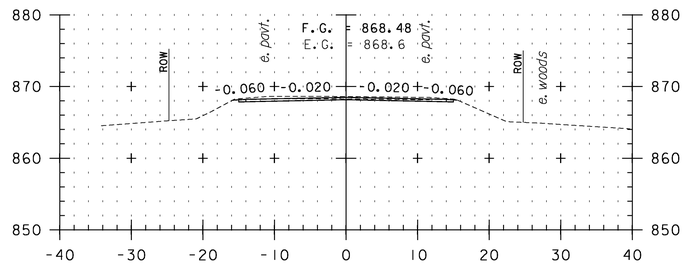
331+00



327+50



329+00



330+50

CROSS SECTION SHEET 34

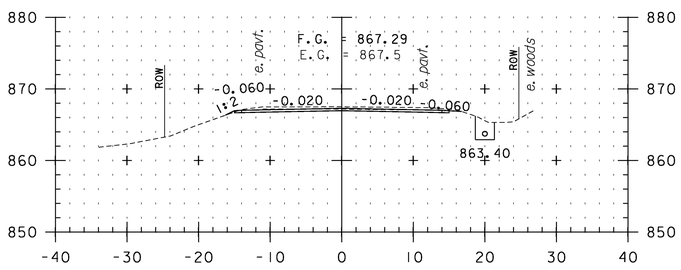
STA. 327+50 TO STA. 331+50

0 10 20
SCALE IN FEET

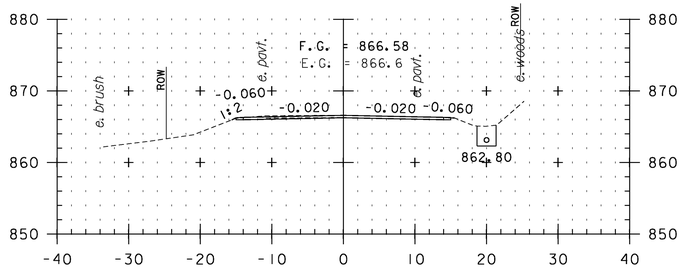
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_142

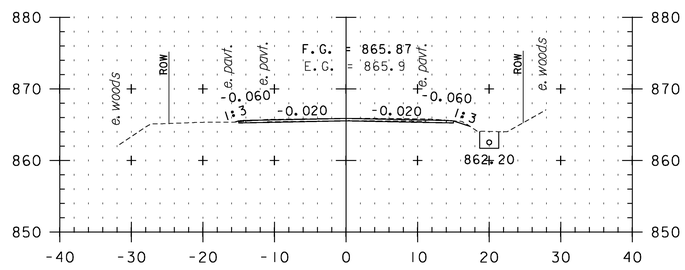
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 142 OF 232



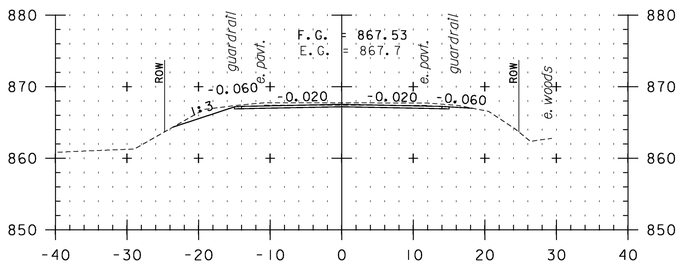
333+00



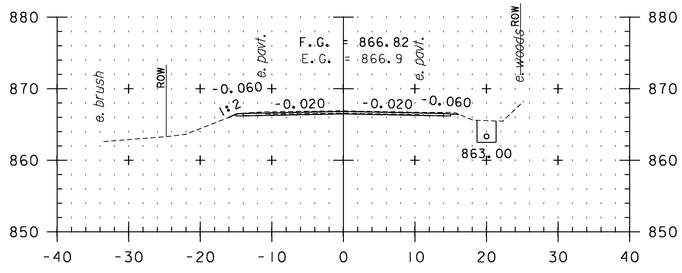
334+50



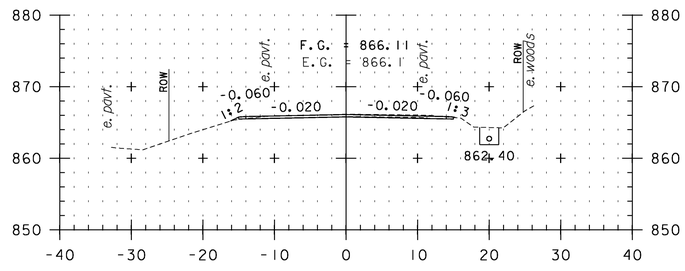
336+00



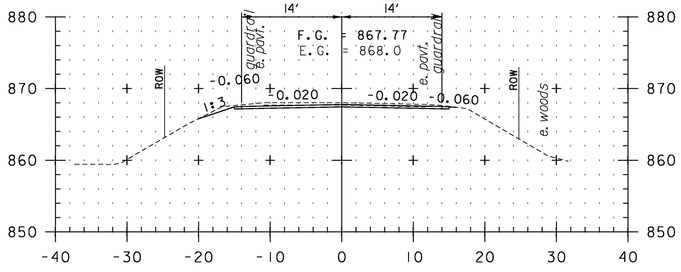
332+50



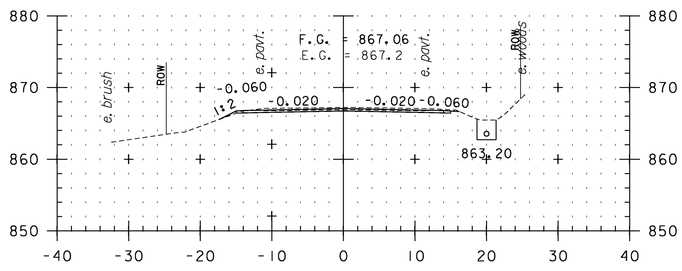
334+00



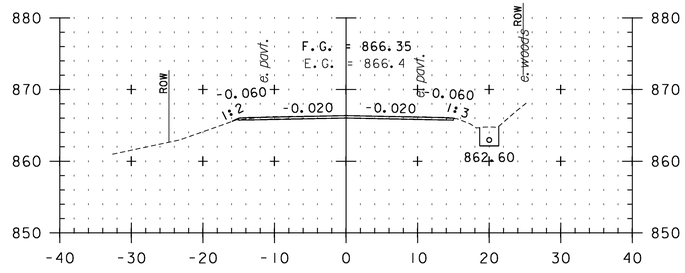
335+50



332+00



333+50



335+00

CROSS SECTION SHEET 35

STA. 332+00 TO STA. 336+00

0 10 20

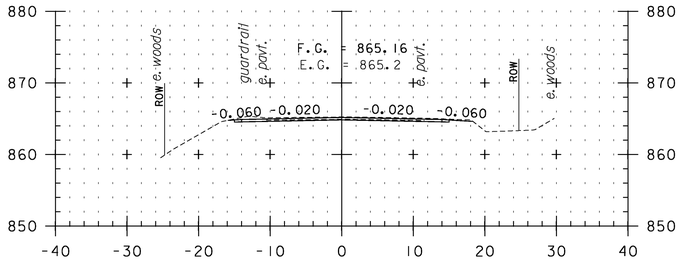
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

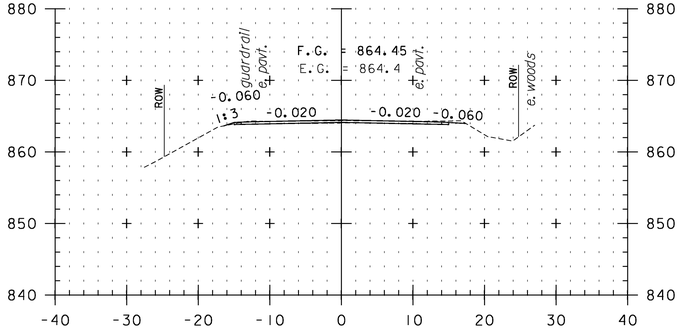
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_143

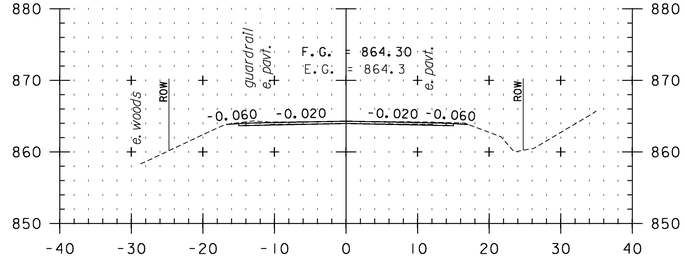
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 143 OF 232



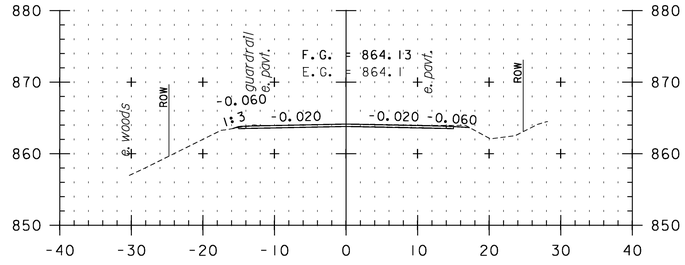
337+50



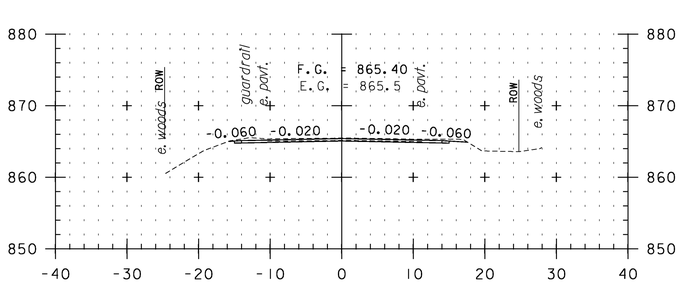
339+00



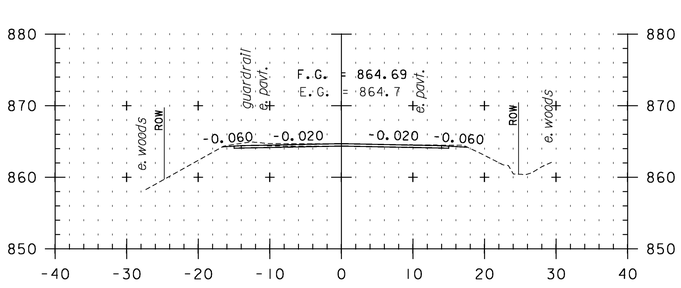
340+50



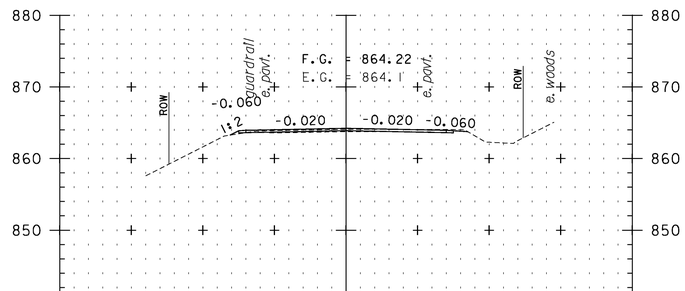
340+00



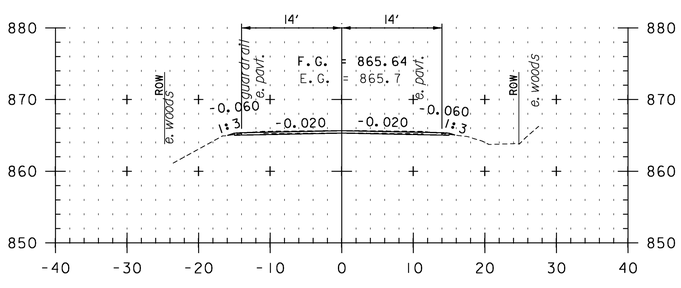
337+00



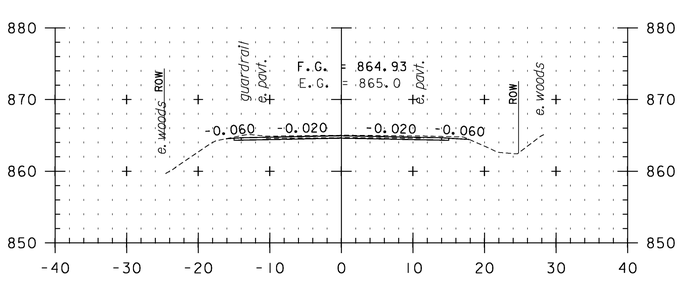
338+50



339+50



336+50



338+00

CROSS SECTION SHEET 36

STA. 336+50 TO STA. 340+50

0 10 20

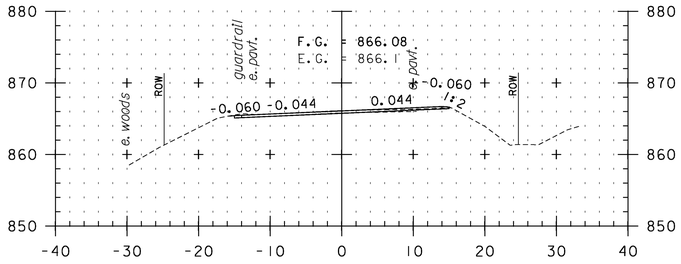
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

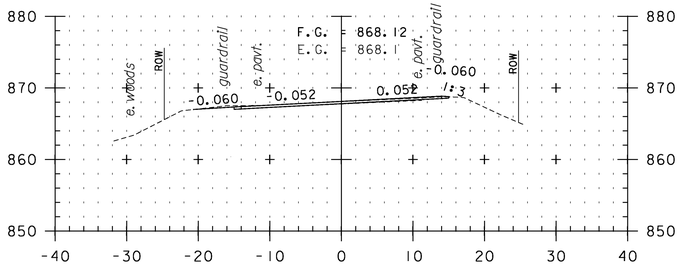
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_144

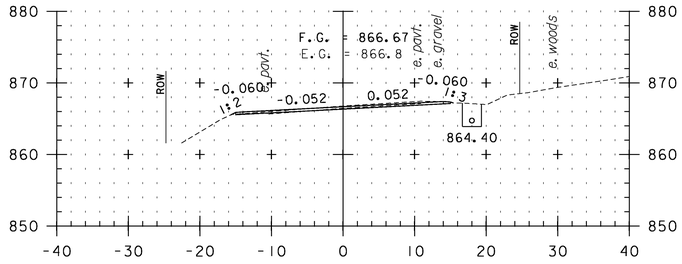
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 144 OF 232



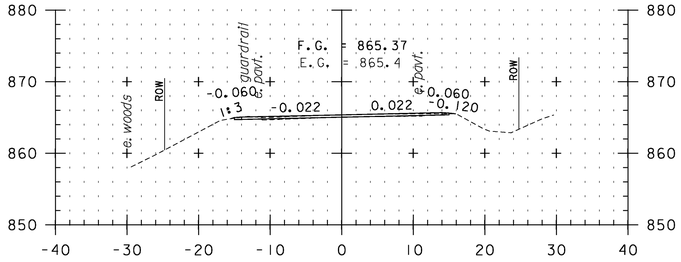
342+00



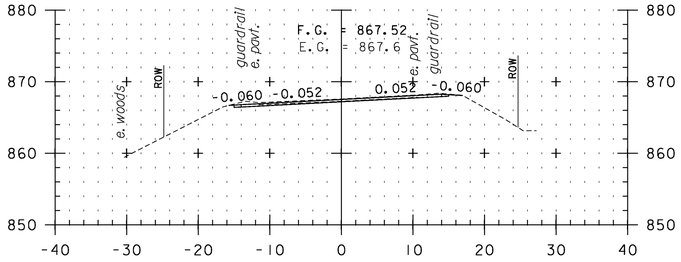
343+50



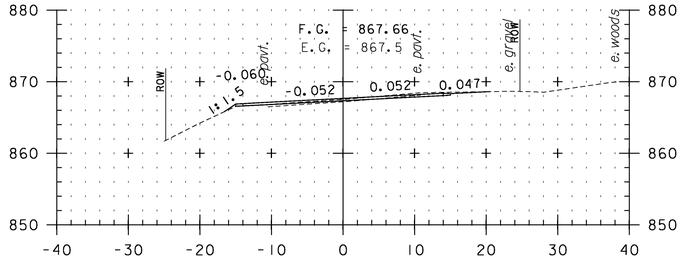
345+00



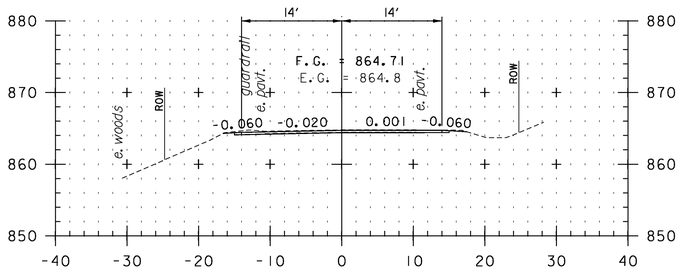
341+50



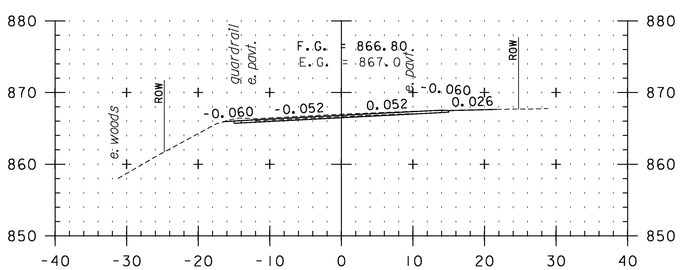
343+00



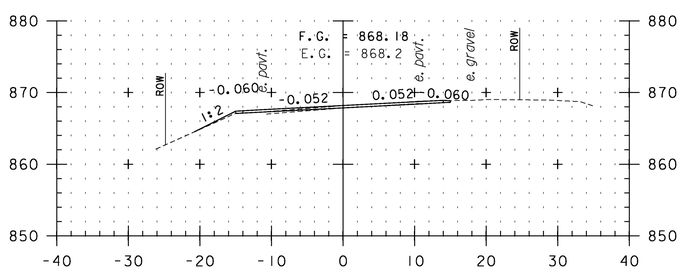
344+50



341+00



342+50



344+00

CROSS SECTION SHEET 37

STA. 341+00 TO STA. 345+00

0 10 20

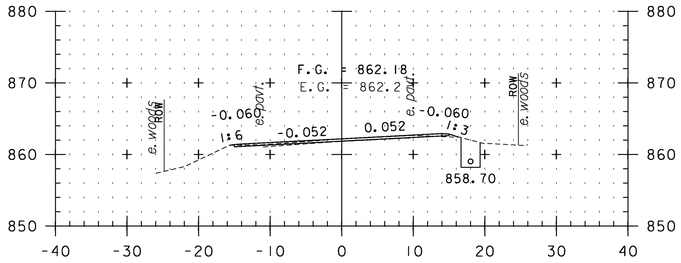
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

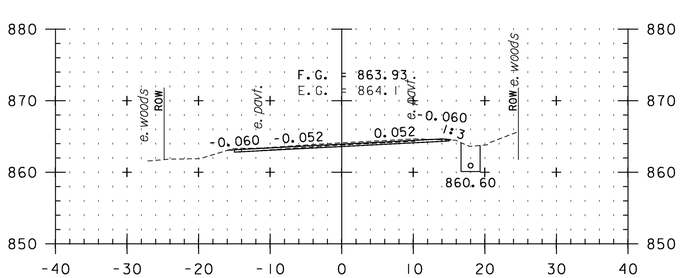
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_145

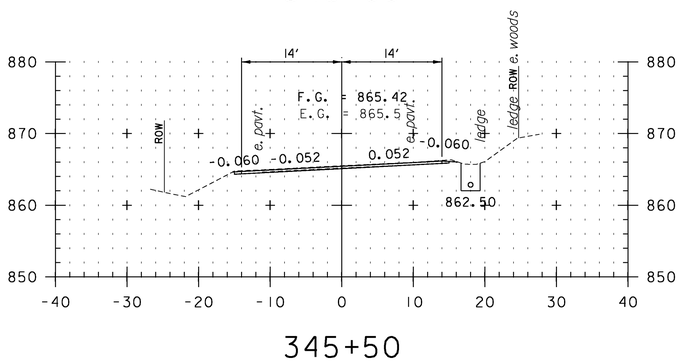
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 145 OF 232



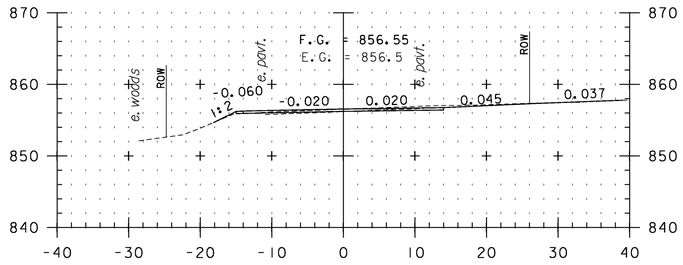
346+50



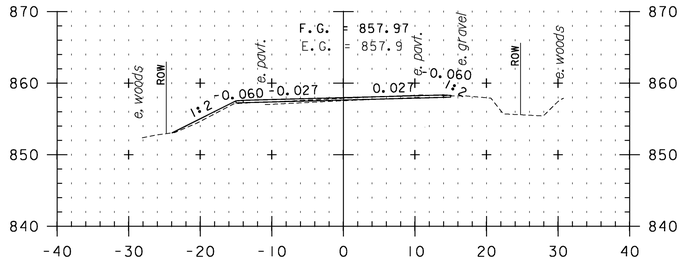
346+00



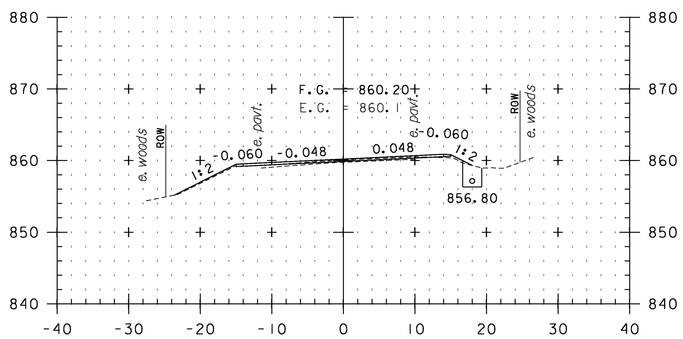
345+50



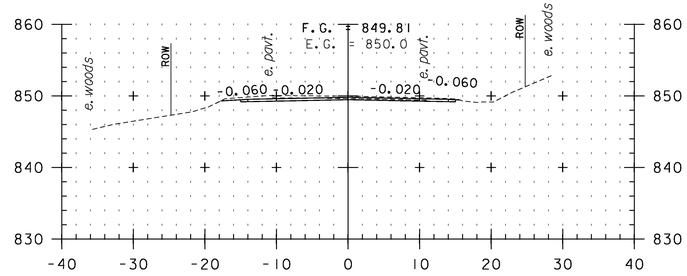
347+80
TH 27



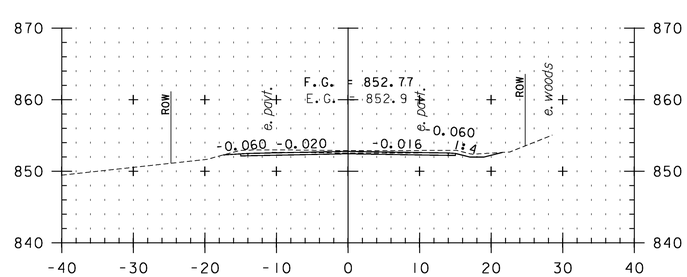
347+50



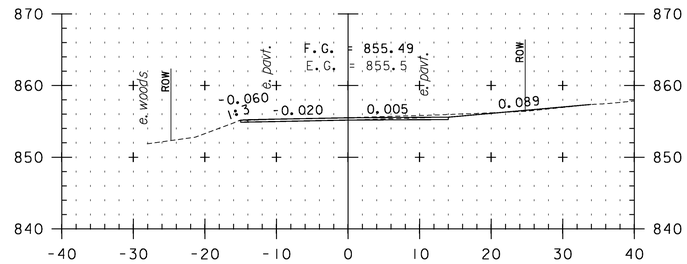
347+00



349+00



348+50



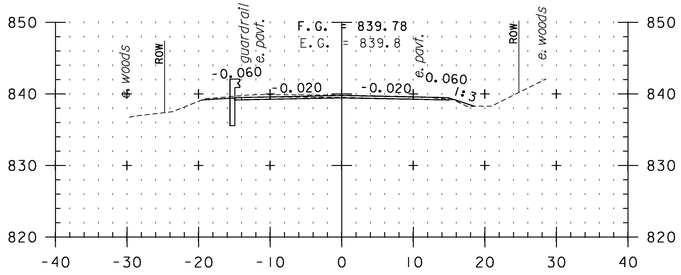
348+00

CROSS SECTION SHEET 38

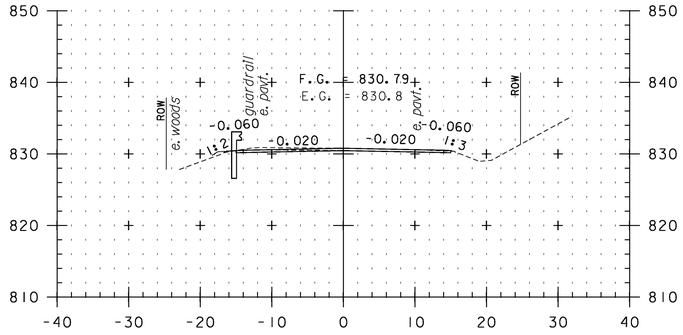
STA. 345+50 TO STA. 349+00

0 10 20
SCALE IN FEET

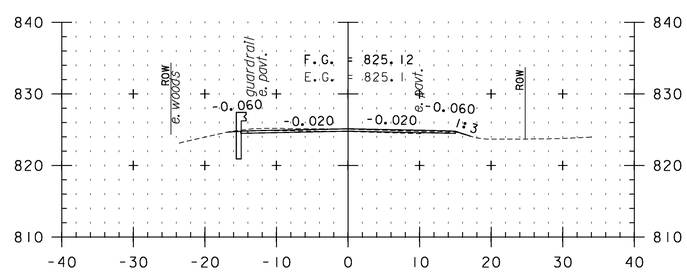
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_146	SHEET 146 OF 232



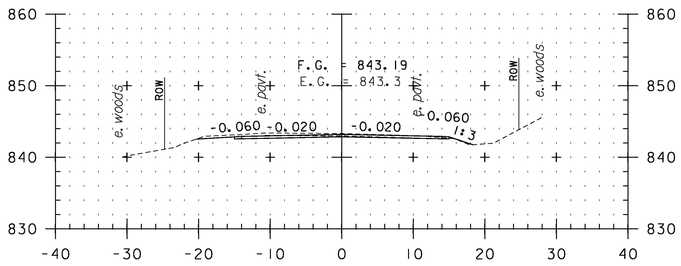
350+50



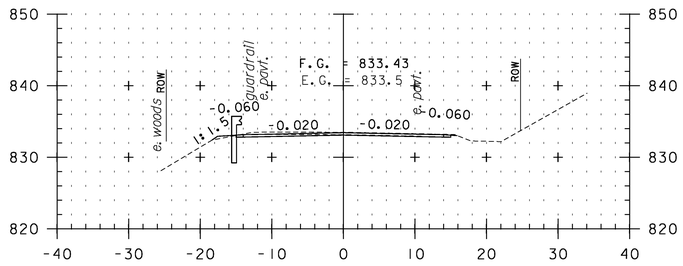
352+00



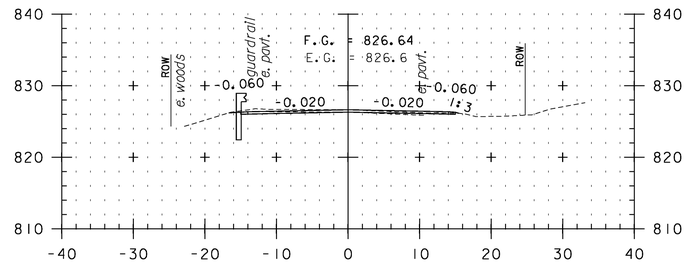
353+50



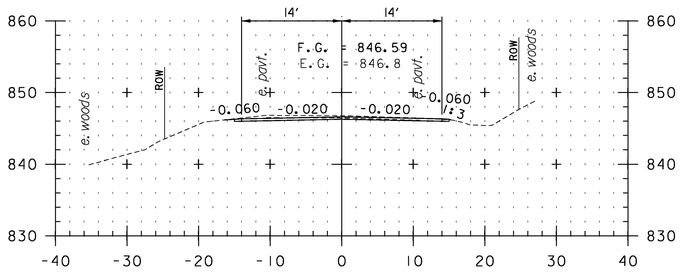
350+00



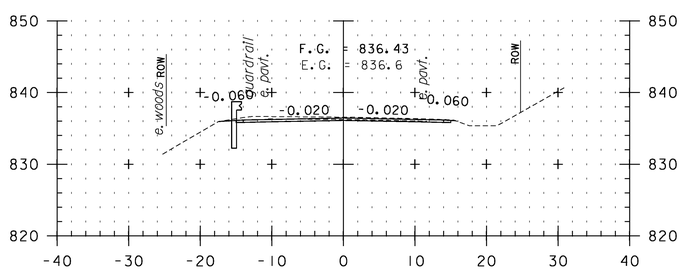
351+50



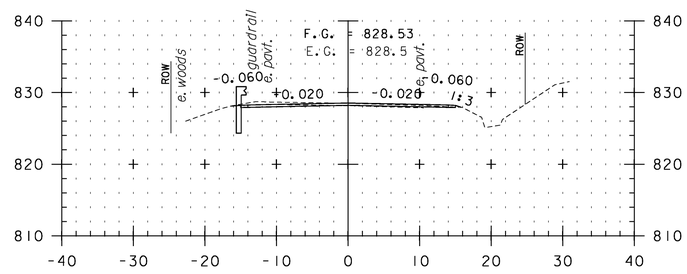
353+00



349+50



351+00



352+50

CROSS SECTION SHEET 39

STA. 349+50 TO STA. 353+50

0 10 20

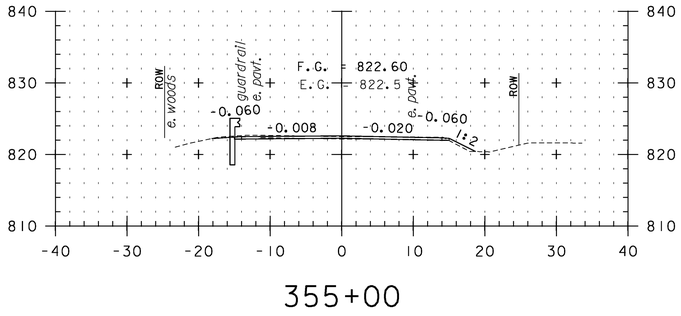
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

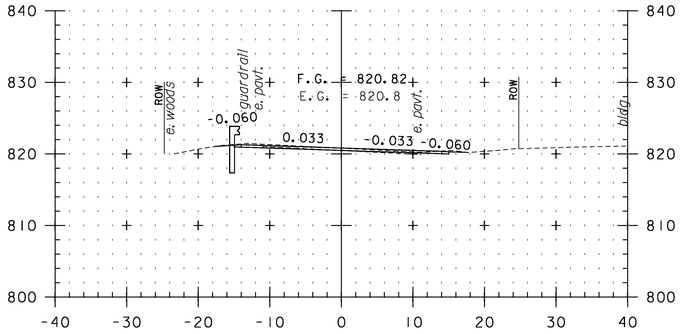
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_147

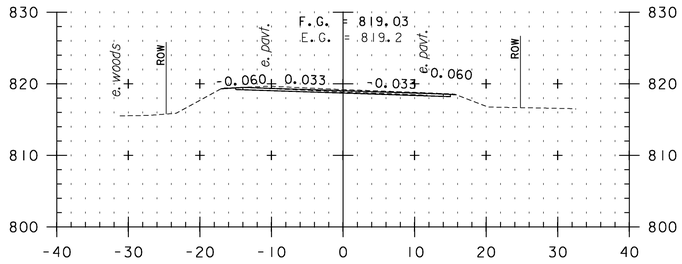
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 147 OF 232



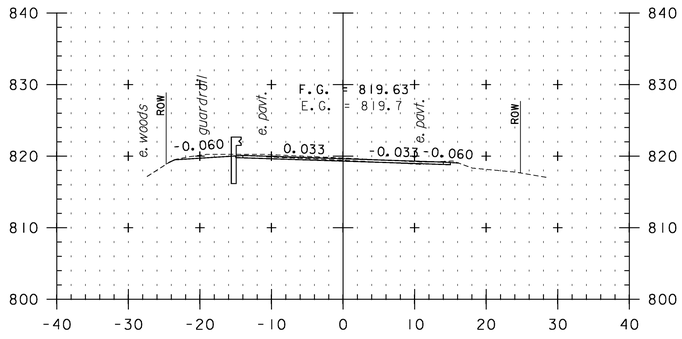
355+00



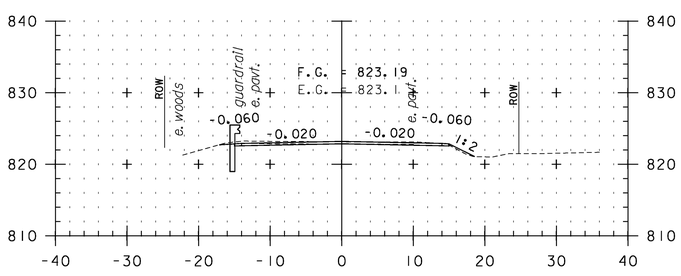
356+50



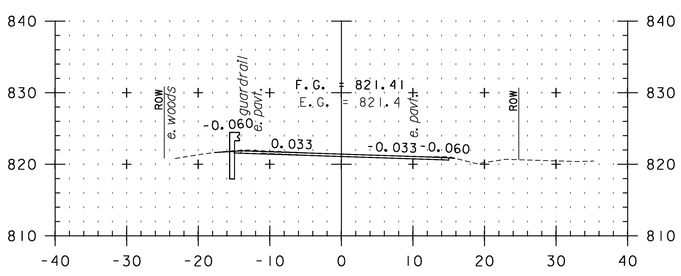
358+00



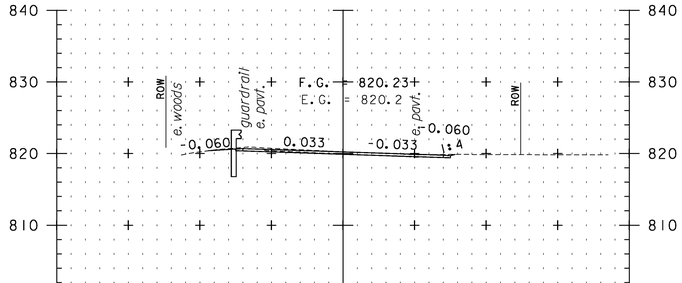
357+50



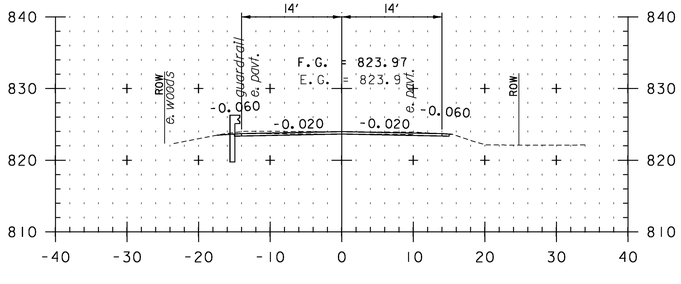
354+50



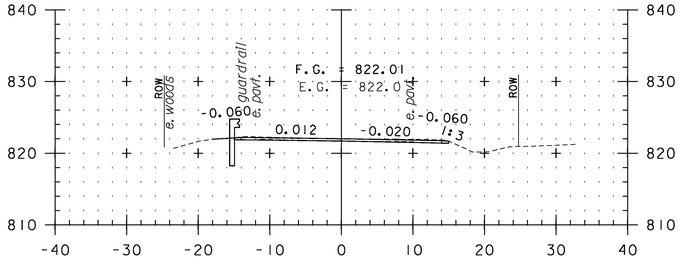
356+00



357+00



354+00



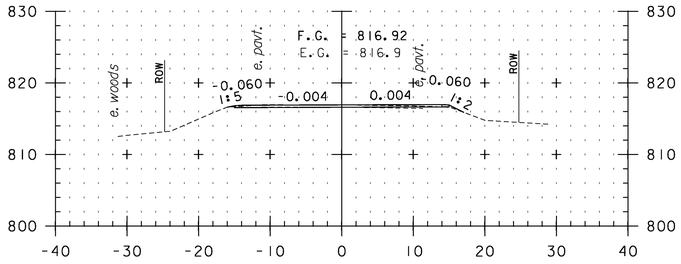
355+50

CROSS SECTION SHEET 40

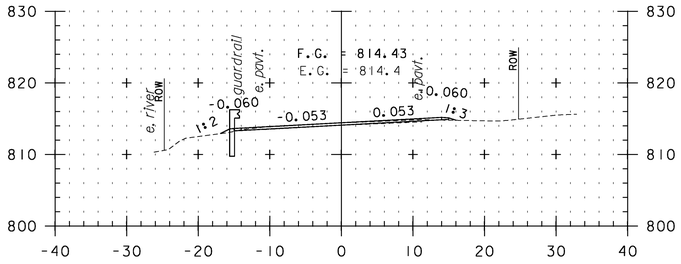
STA. 354+00 TO STA. 358+00

0 10 20
SCALE IN FEET

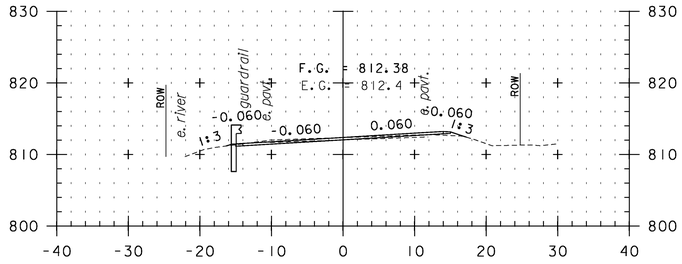
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(I)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_148	SHEET 148 OF 232



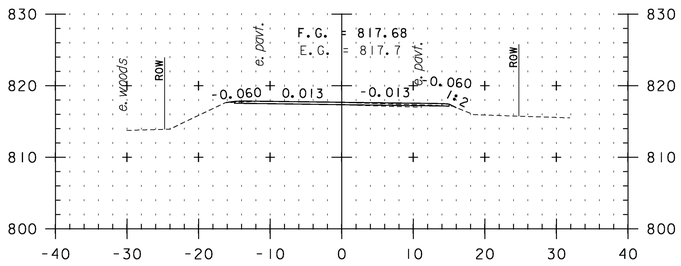
359+50



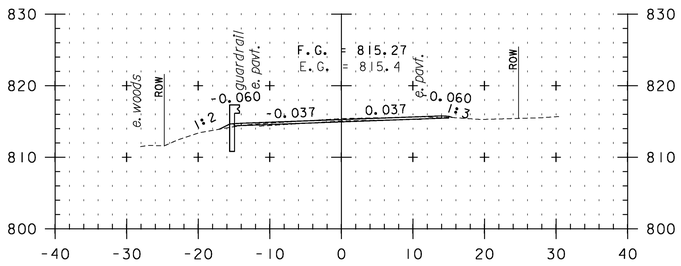
361+00



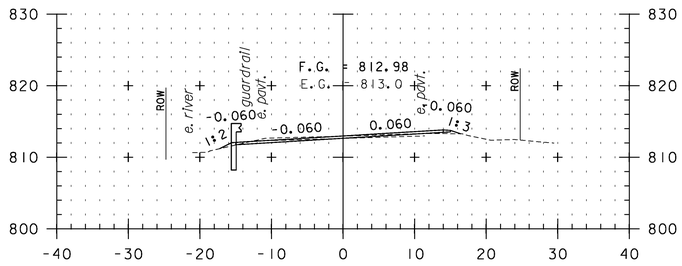
362+50



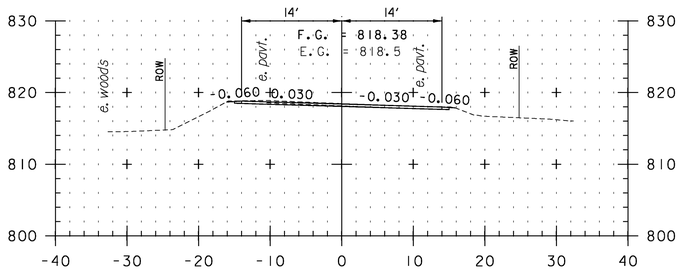
359+00



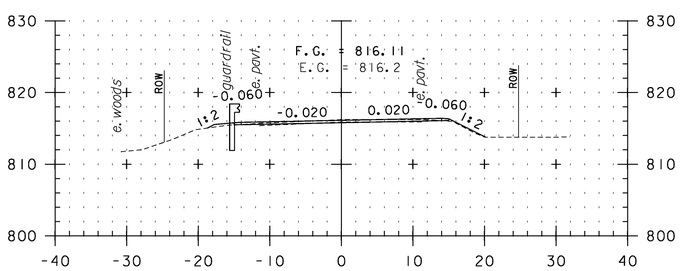
360+50



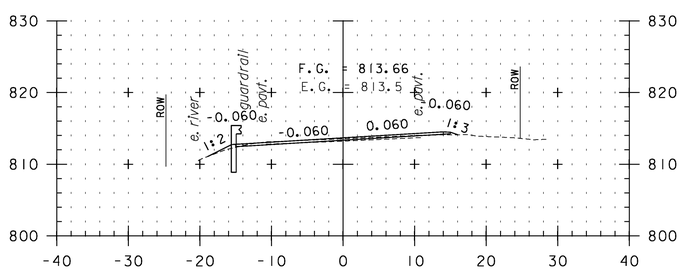
362+00



358+50



360+00



361+50

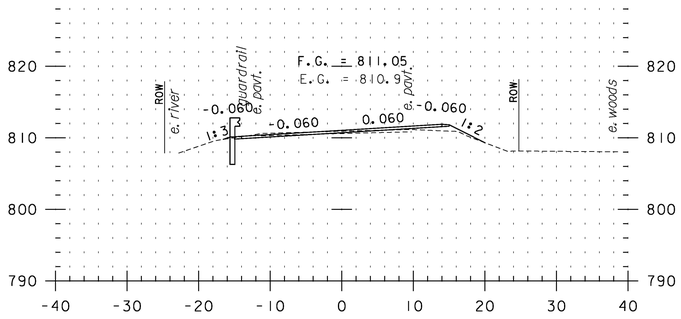
CROSS SECTION SHEET 41

STA. 358+50 TO STA. 362+50

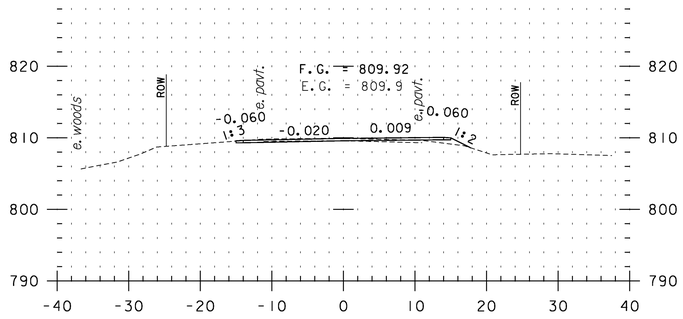
0 10 20

SCALE IN FEET

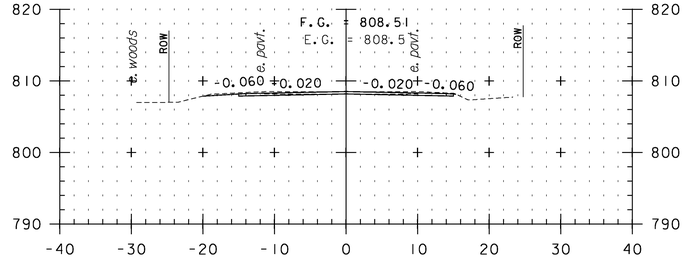
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_149	SHEET 149 OF 232



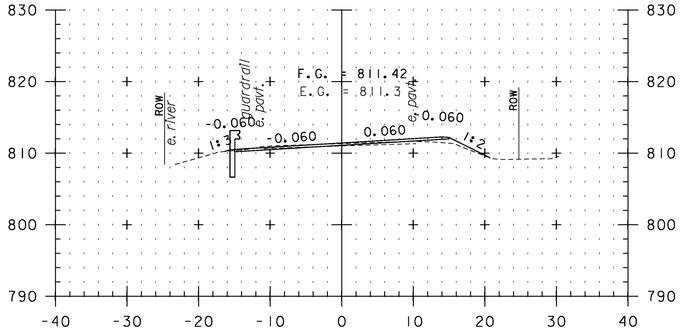
364+00



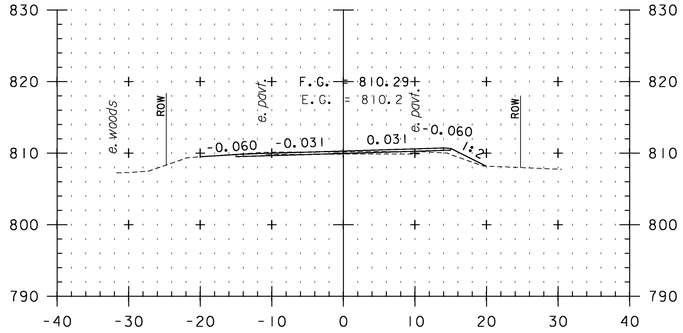
365+50



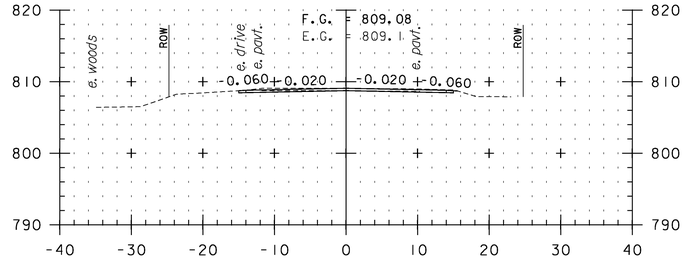
367+00



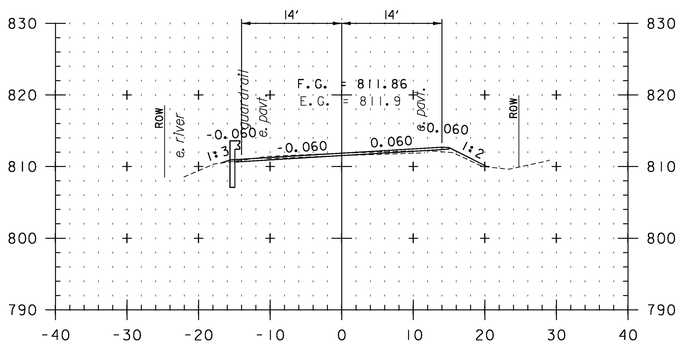
363+50



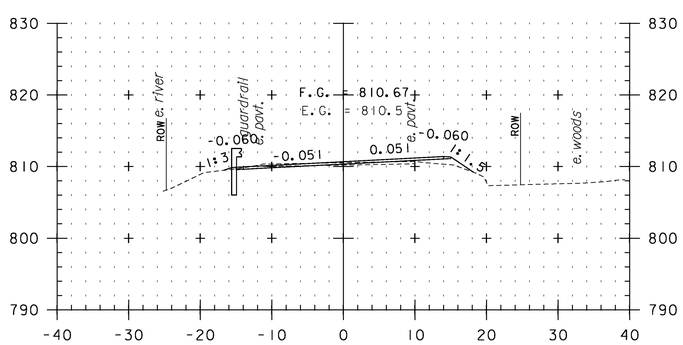
365+00



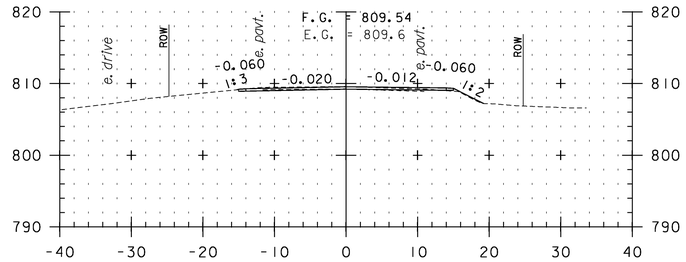
366+50



363+00



364+50



366+00

CROSS SECTION SHEET 42

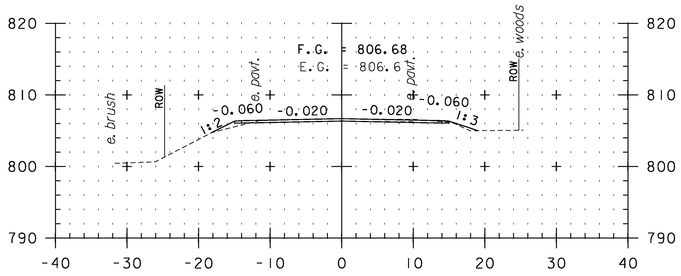
STA. 363+00 TO STA. 367+00

0 10 20
SCALE IN FEET

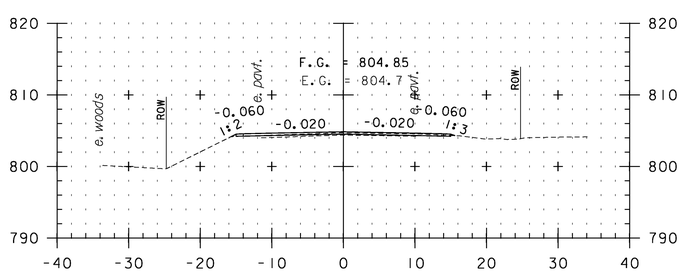
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_150

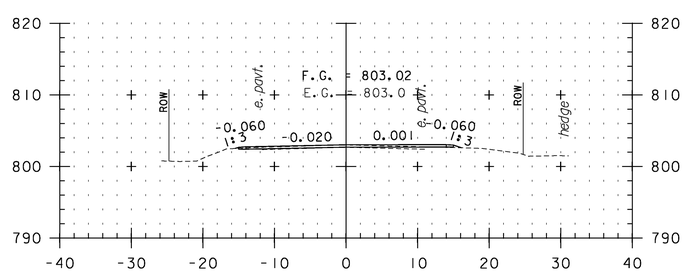
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 150 OF 232



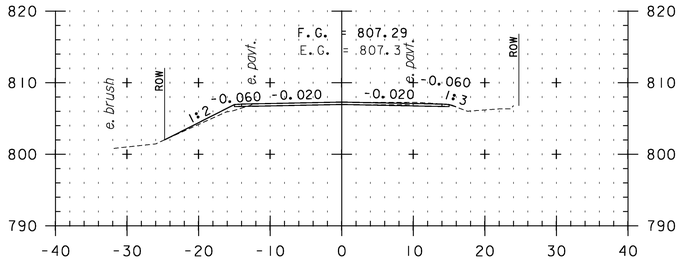
368+50



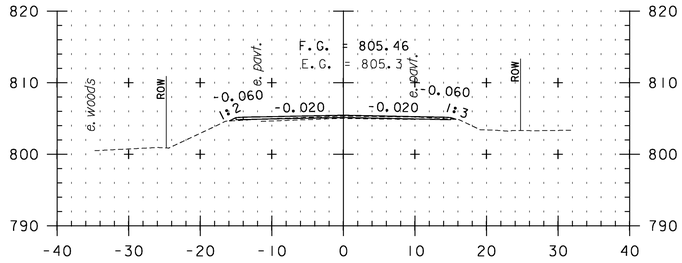
370+00



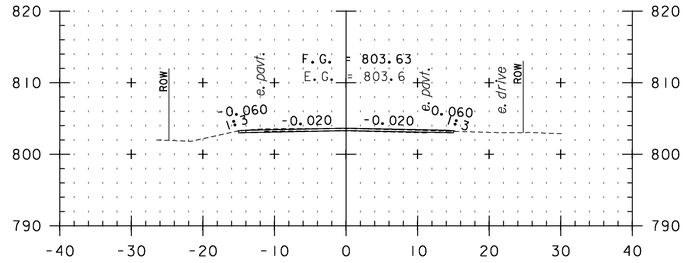
371+50



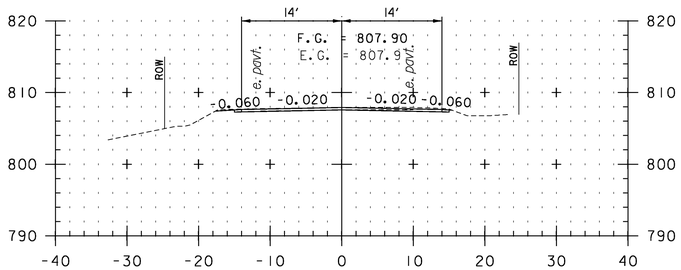
368+00



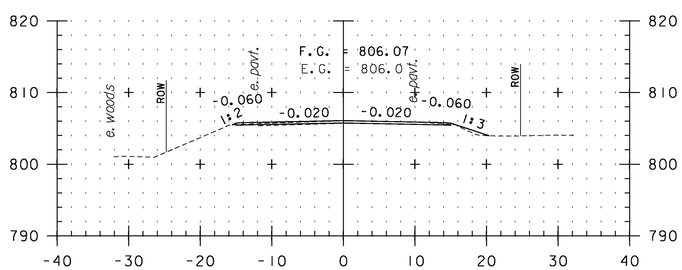
369+50



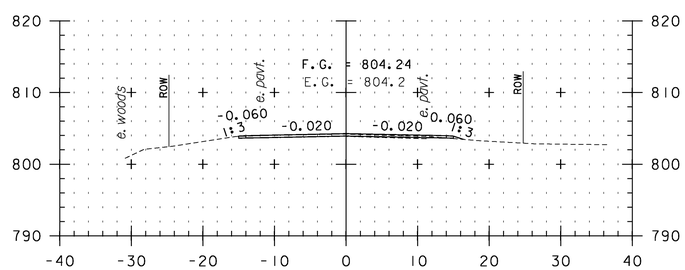
371+00



367+50



369+00



370+50

CROSS SECTION SHEET 43

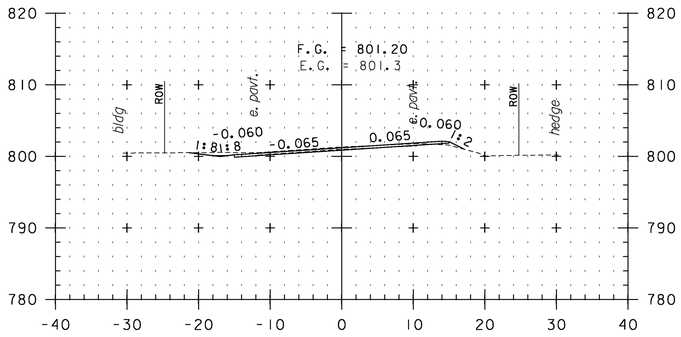
STA. 367+50 TO STA. 371+50

0 10 20
SCALE IN FEET

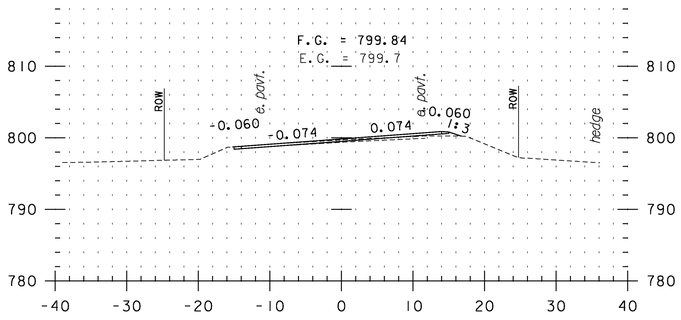
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_151

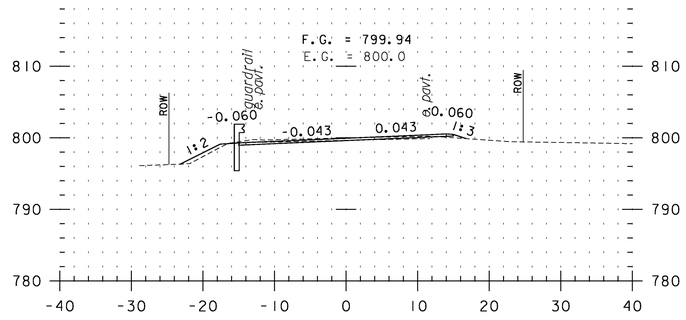
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 151 OF 232



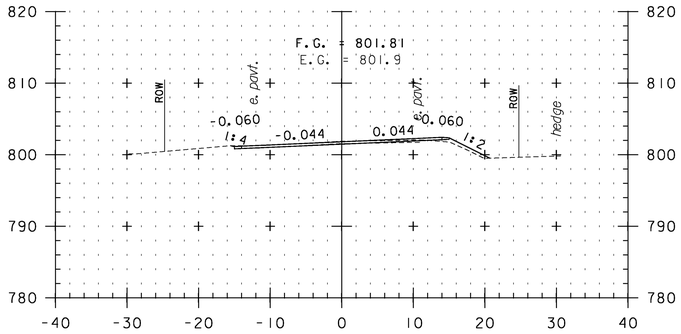
373+00



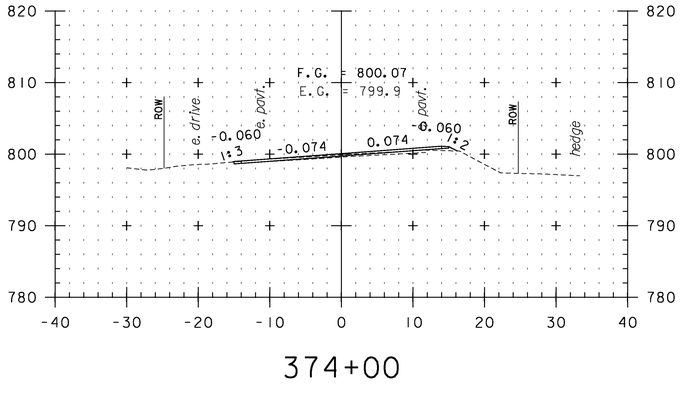
374+50



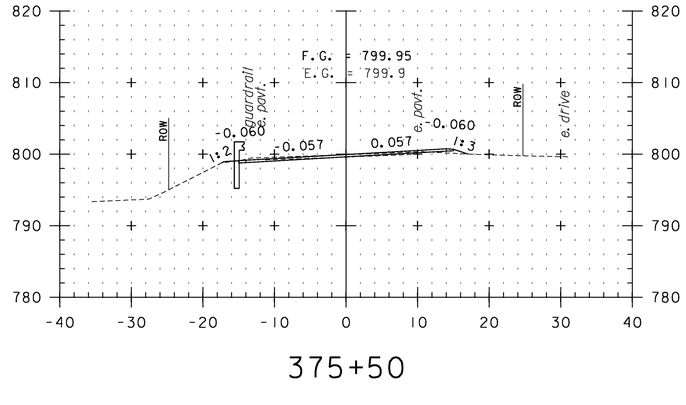
376+00



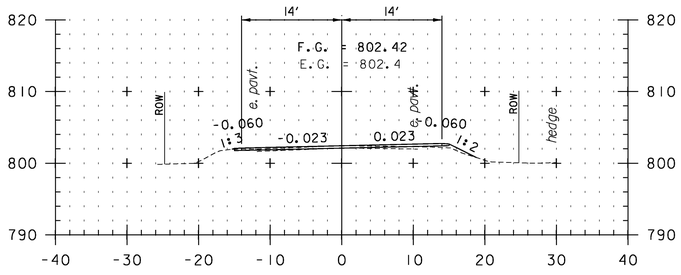
372+50



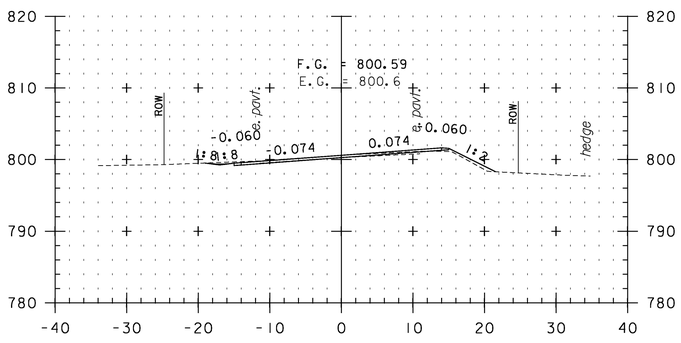
374+00



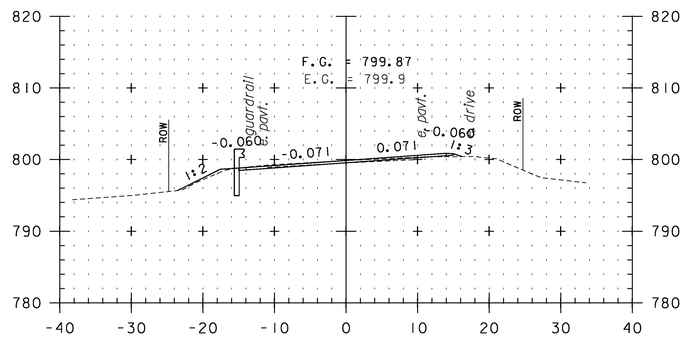
375+50



372+00



373+50



375+00

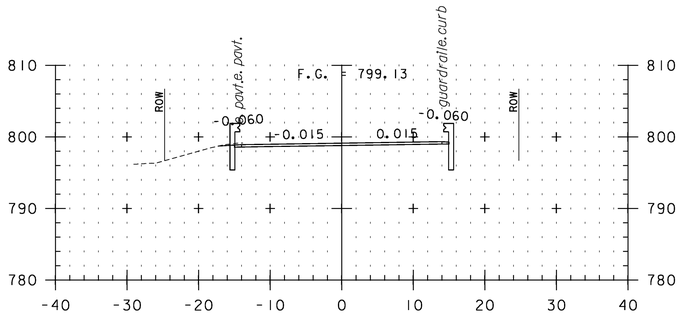
CROSS SECTION SHEET 44

STA. 372+00 TO STA. 376+00

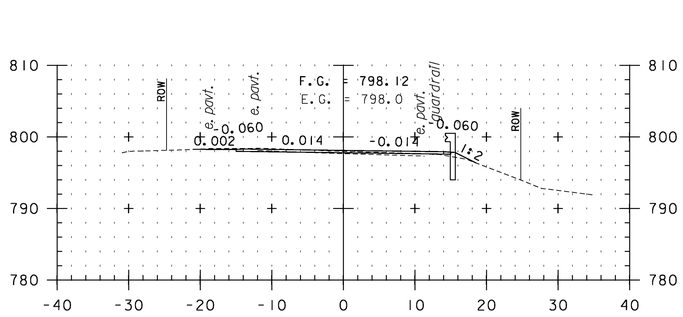
0 10 20

SCALE IN FEET

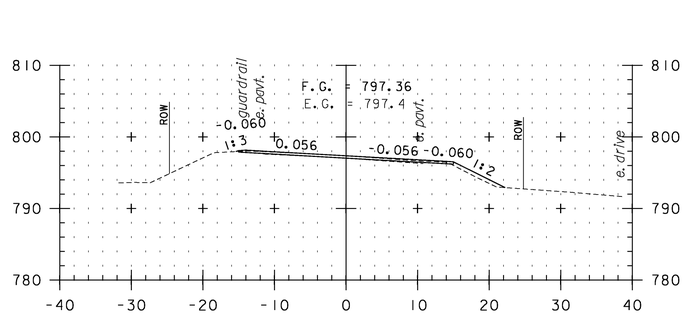
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_152	SHEET 152 OF 232



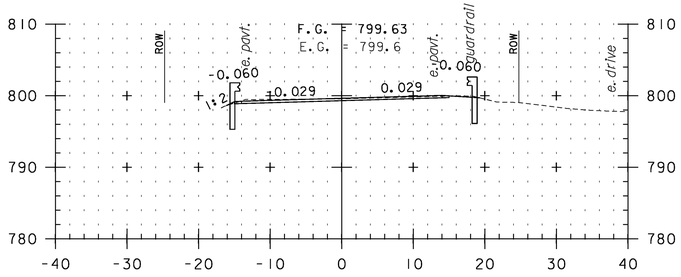
377+00
BRIDGE 20



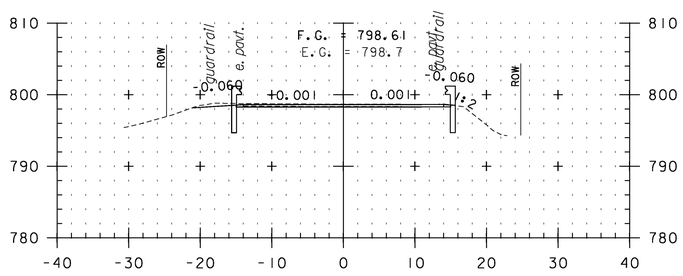
378+00



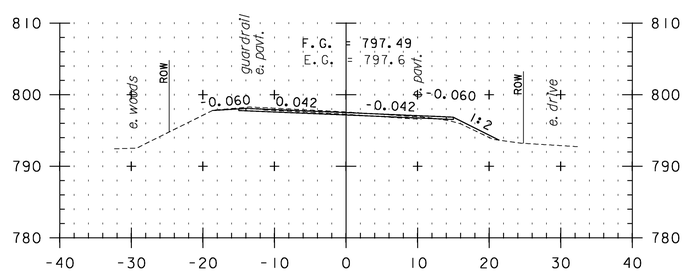
379+50



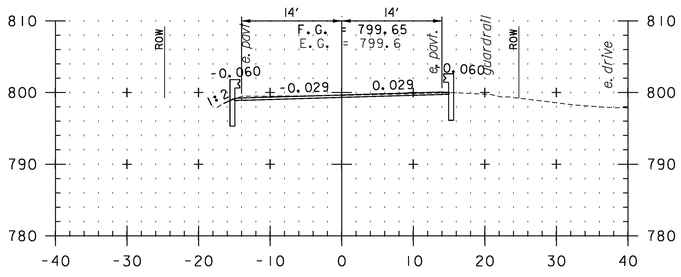
376+50
BRIDGE 20



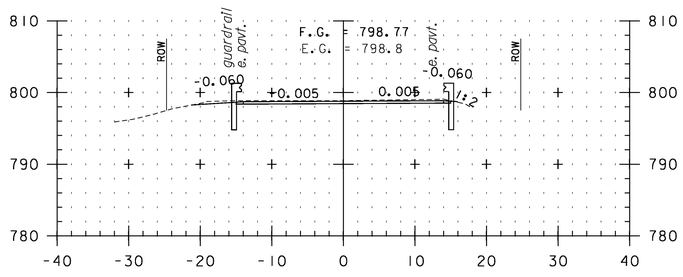
377+50



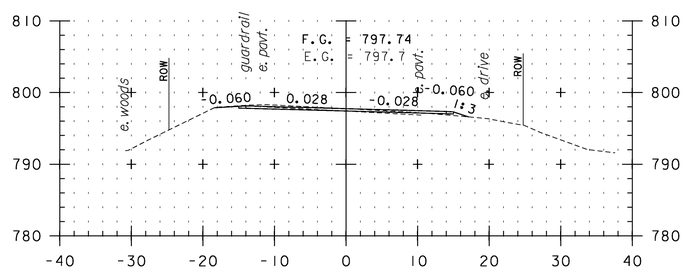
379+00



376+48
BEGIN BRIDGE 20 APPROACH



377+34
END BRIDGE 20 APPROACH



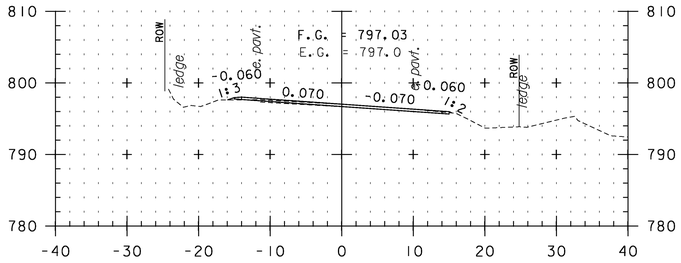
378+50

CROSS SECTION SHEET 45

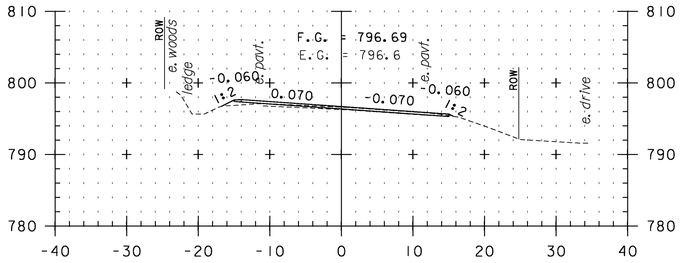
STA. 376+48 TO STA. 379+50

0 10 20
SCALE IN FEET

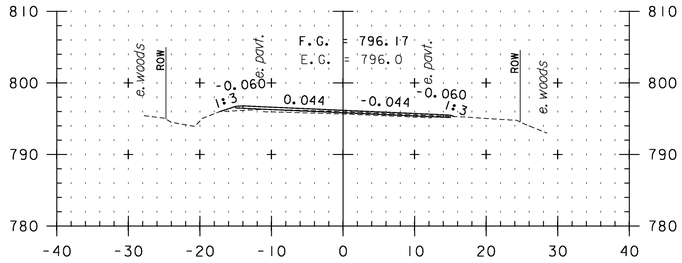
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: pl0c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_153	SHEET 153 OF 232



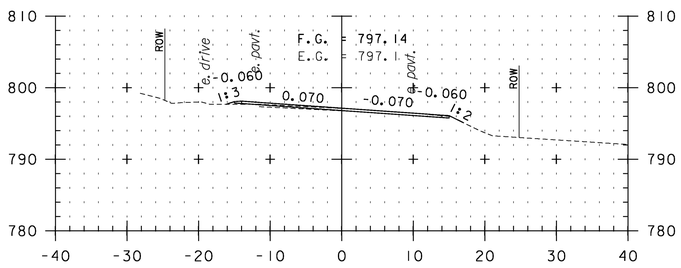
381+00



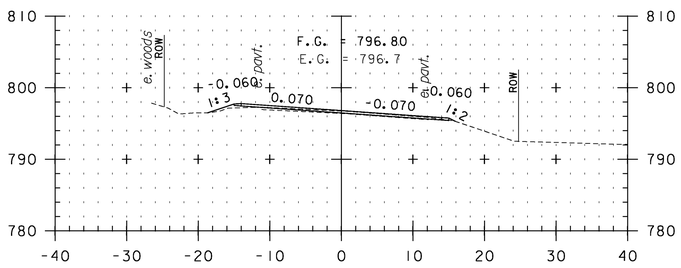
382+50



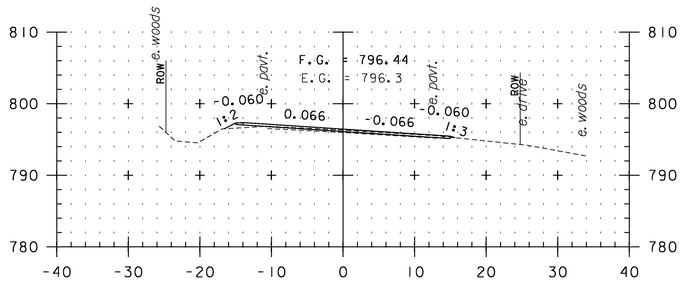
384+00



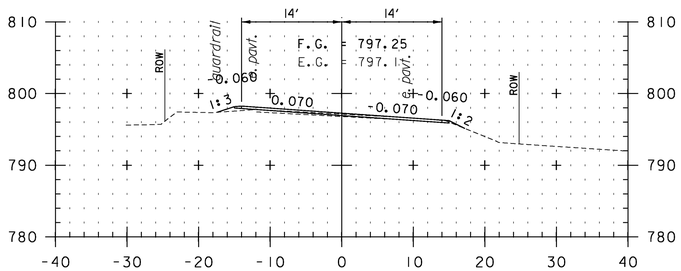
380+50



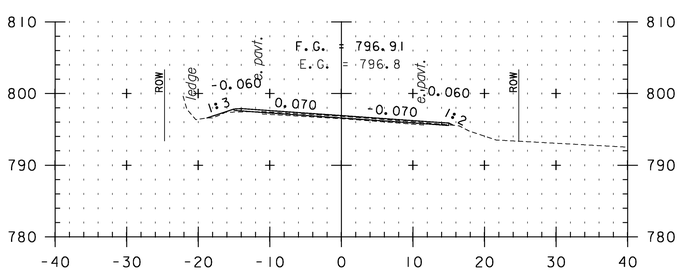
382+00



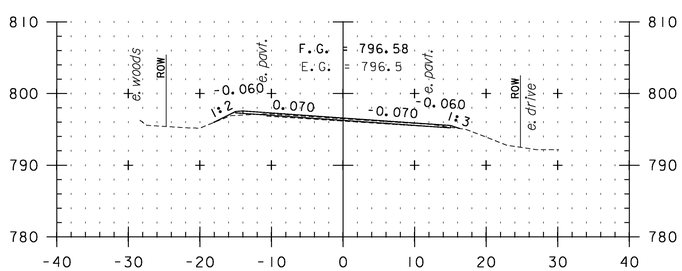
383+50



380+00



381+50



383+00

CROSS SECTION SHEET 46

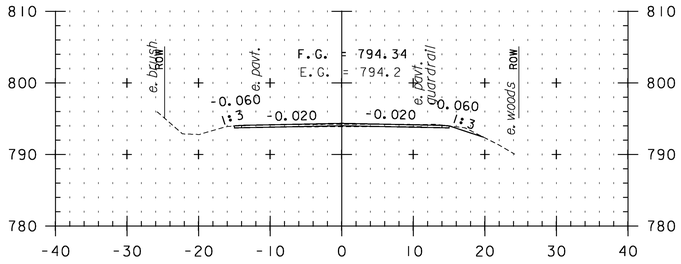
STA. 380+00 TO STA. 384+00

0 10 20
SCALE IN FEET

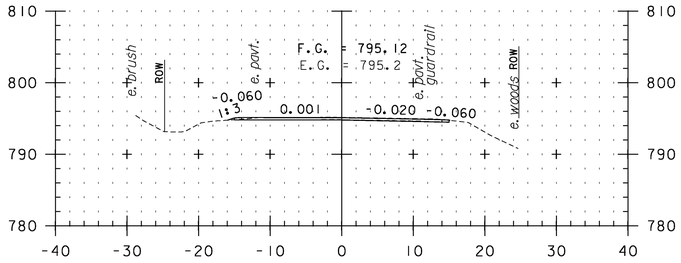
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_154

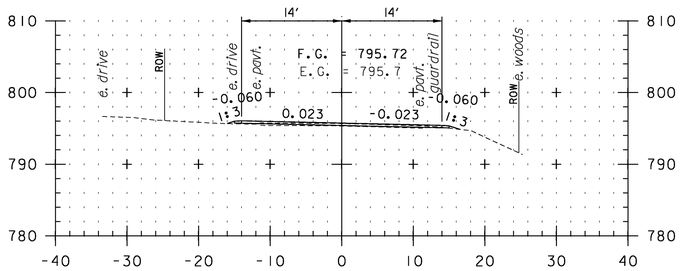
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 154 OF 232



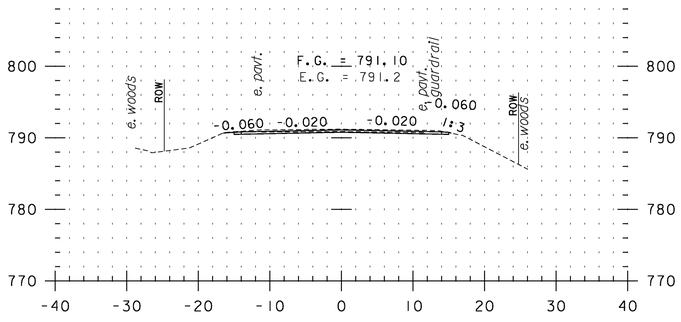
385+50



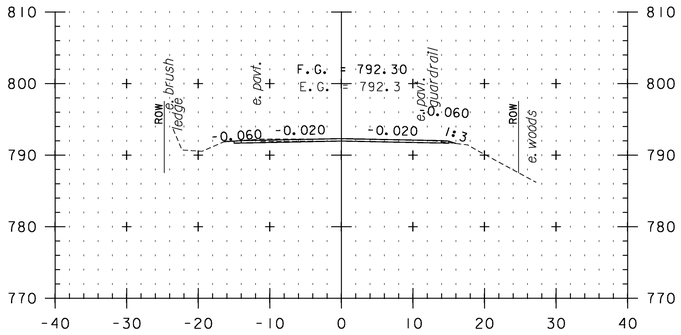
385+00



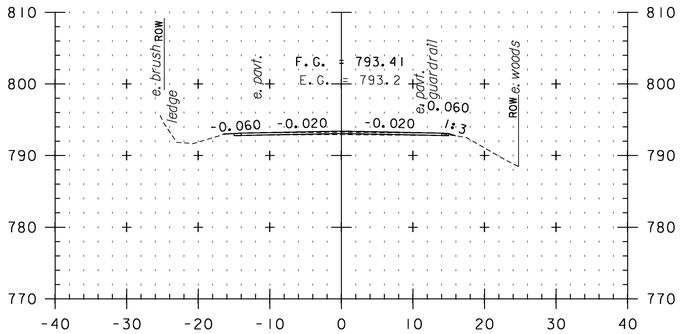
384+50



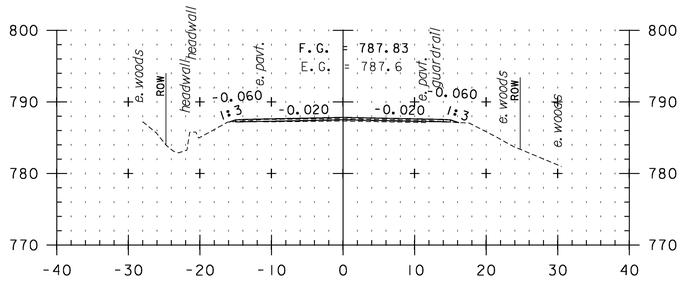
387+00



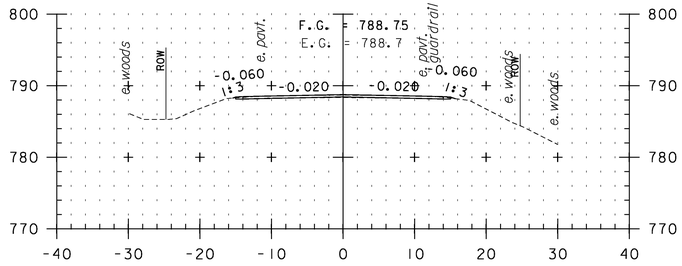
386+50



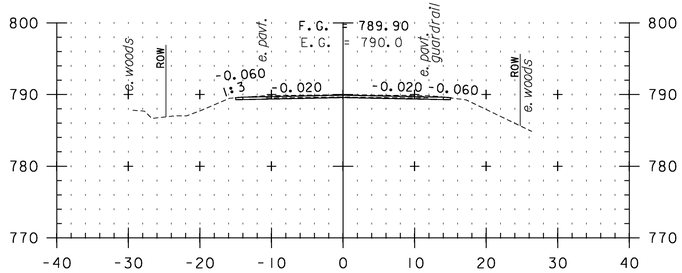
386+00



388+50



388+00



387+50

CROSS SECTION SHEET 47

STA. 384+50 TO STA. 388+50

0 10 20

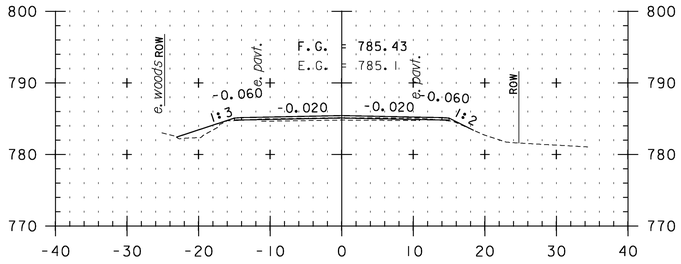
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

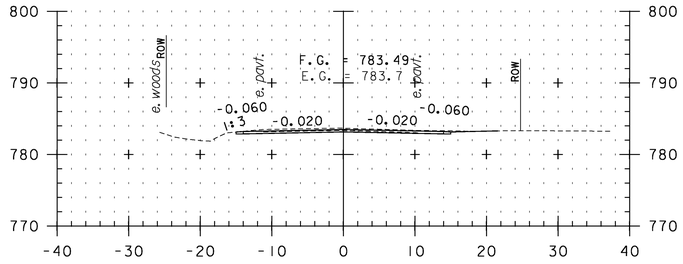
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_155

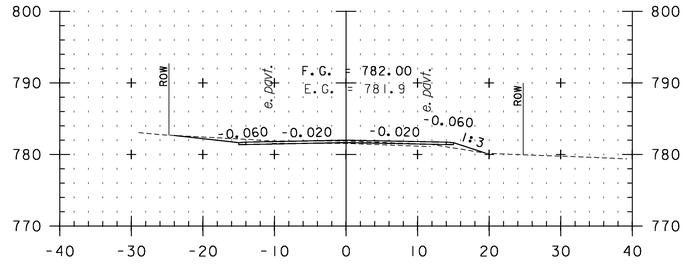
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 155 OF 232



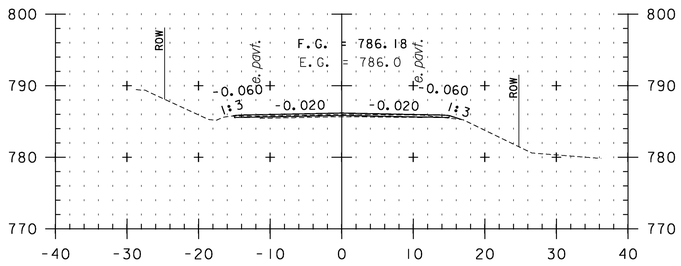
390+00



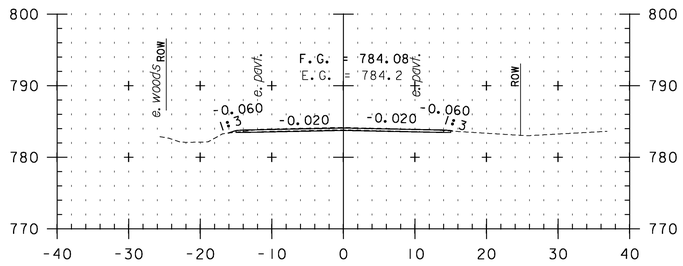
391+50



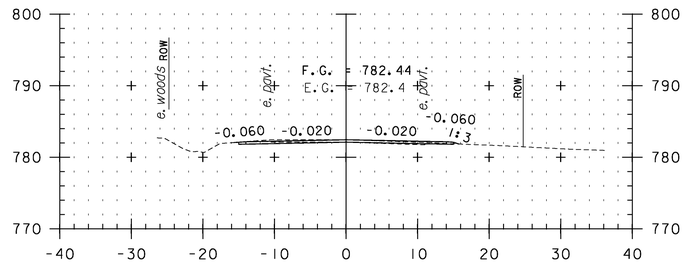
393+00



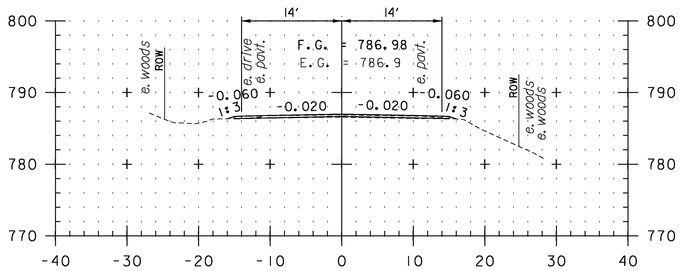
389+50



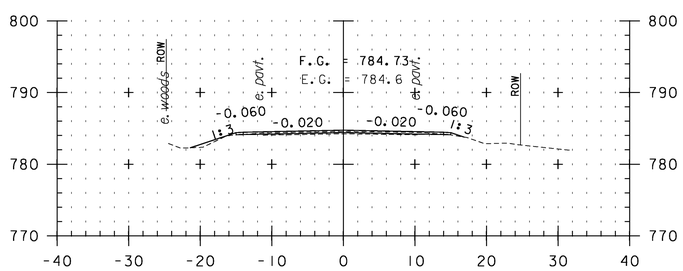
391+00



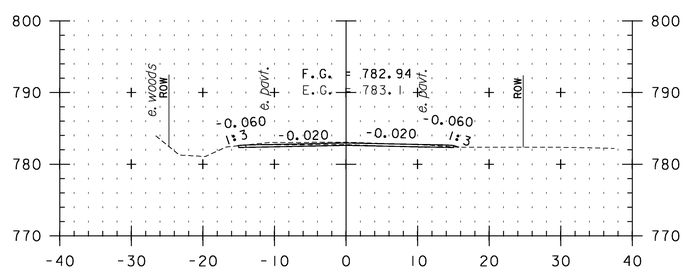
392+50



389+00



390+50



392+00

CROSS SECTION SHEET 48

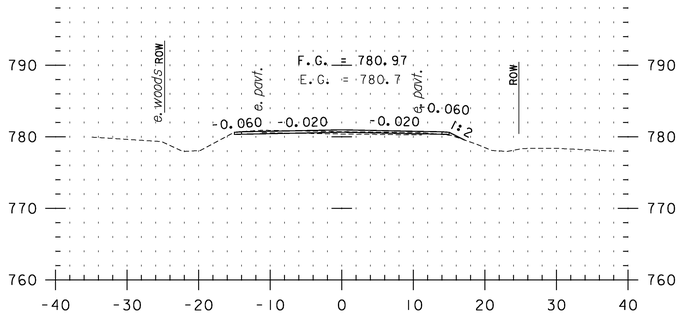
STA. 389+00 TO STA. 393+00

0 10 20
SCALE IN FEET

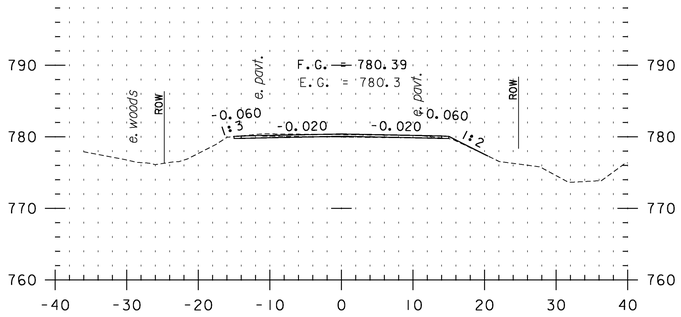
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_156

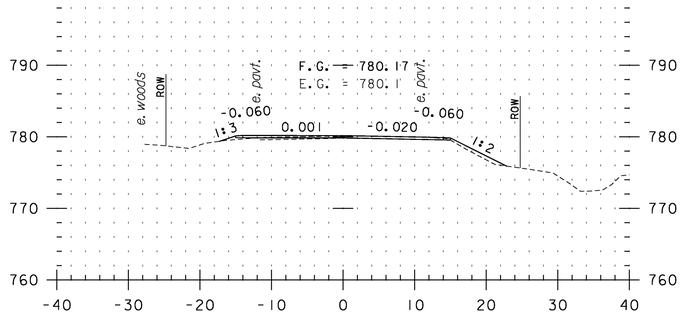
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 156 OF 232



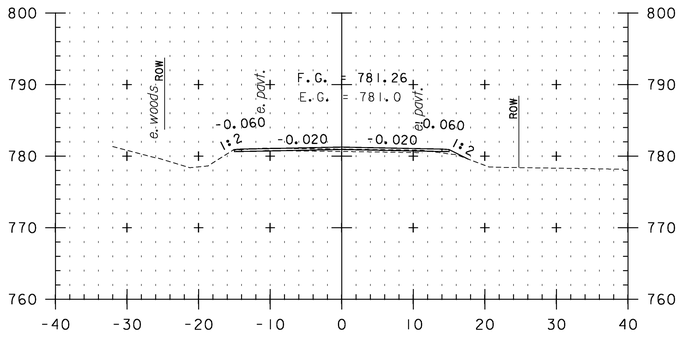
394+50



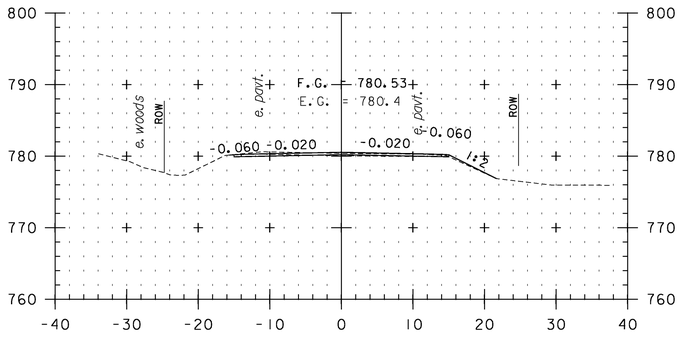
396+00



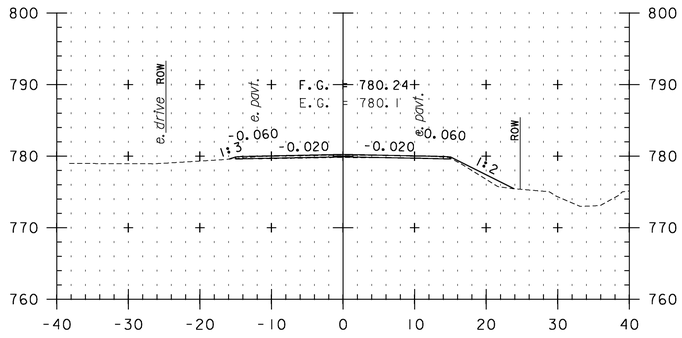
397+50



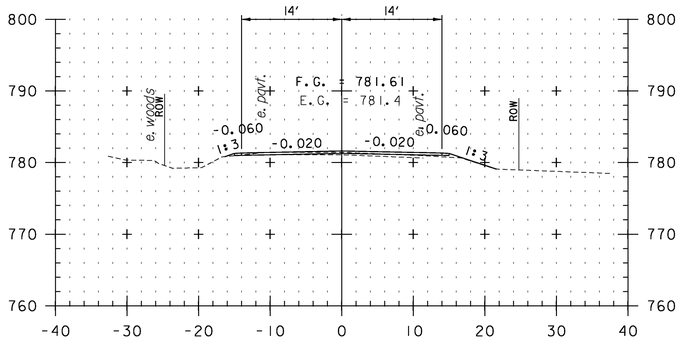
394+00



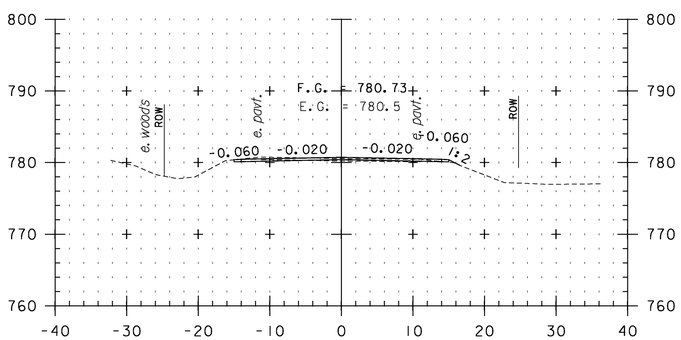
395+50



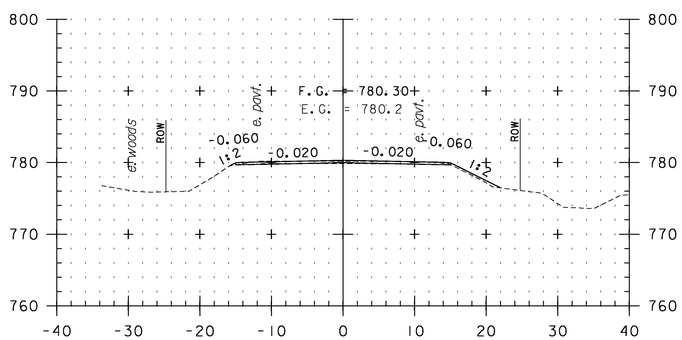
397+00



393+50



395+00



396+50

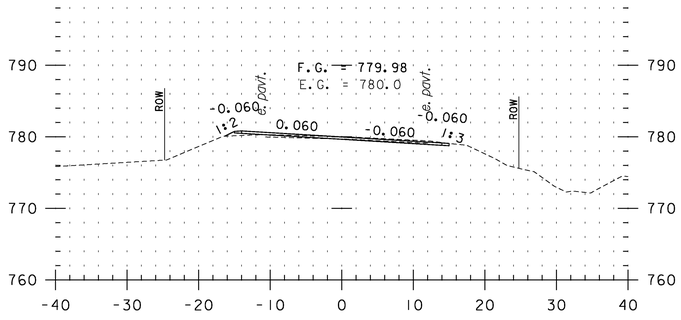
CROSS SECTION SHEET 49

STA. 393+50 TO STA. 397+50

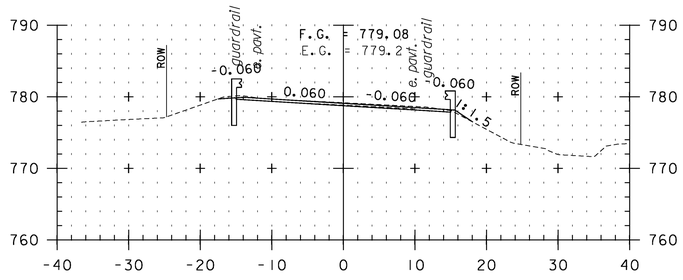
0 10 20

SCALE IN FEET

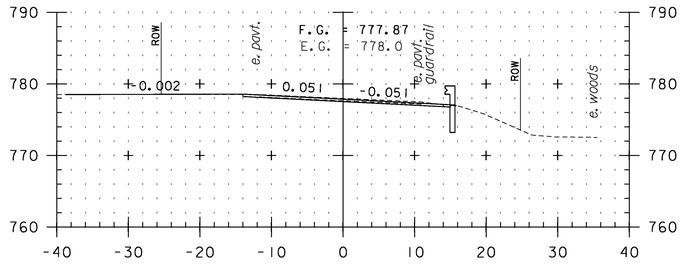
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_157	SHEET 157 OF 232



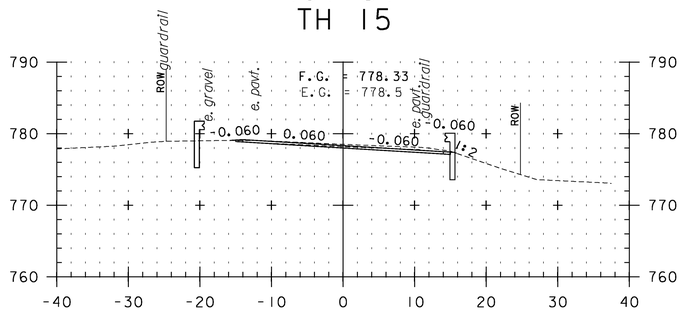
399+00



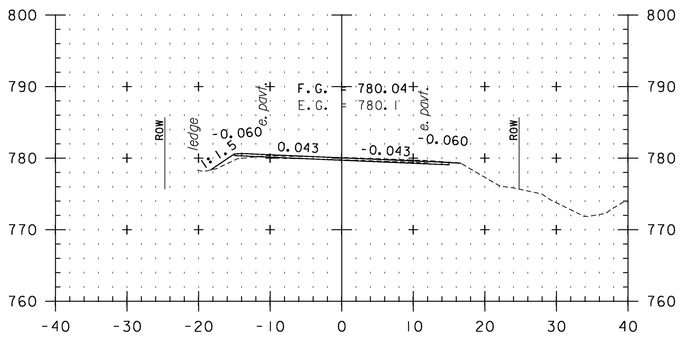
400+50



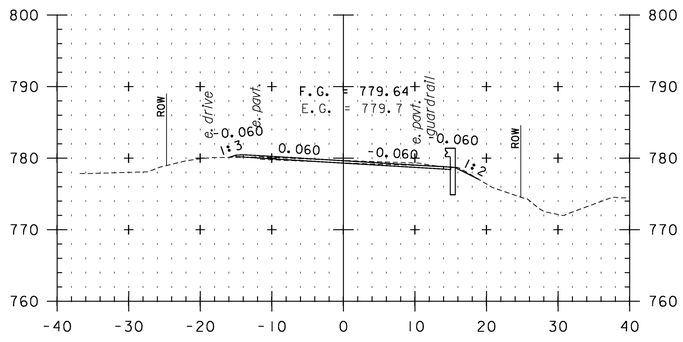
401+31
TH 15



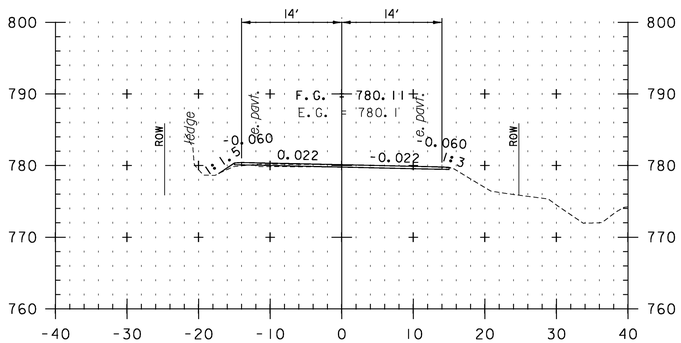
401+00



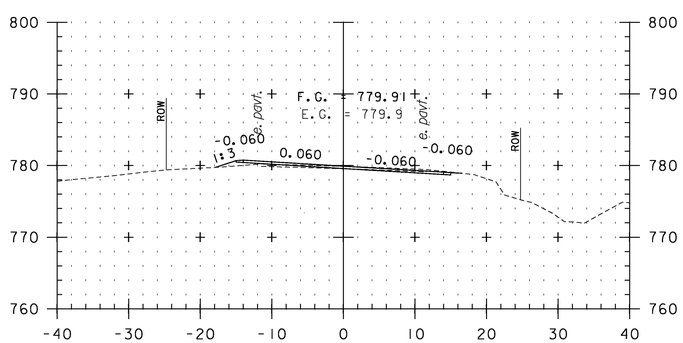
398+50



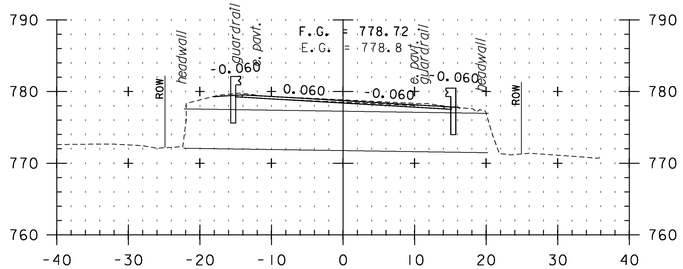
400+00



398+00



399+50



400+75
BRIDGE 21

CROSS SECTION SHEET 50

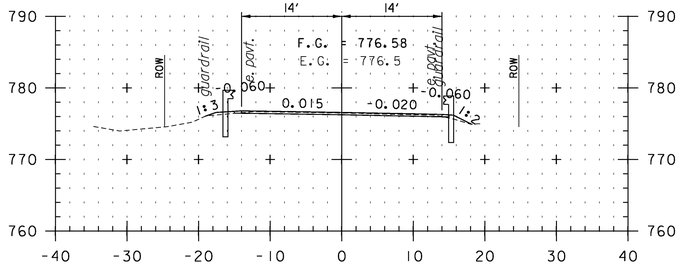
STA. 398+00 TO STA. 401+31

0 10 20
SCALE IN FEET

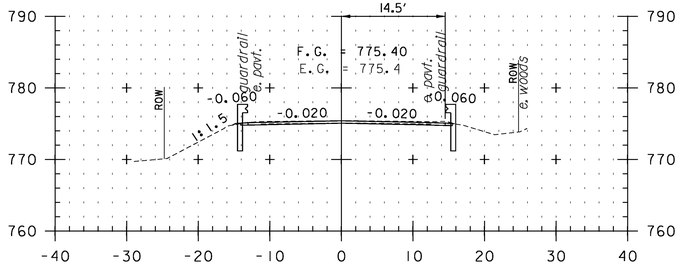
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_158

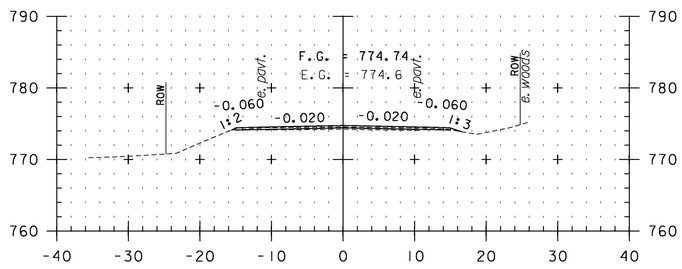
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 158 OF 232



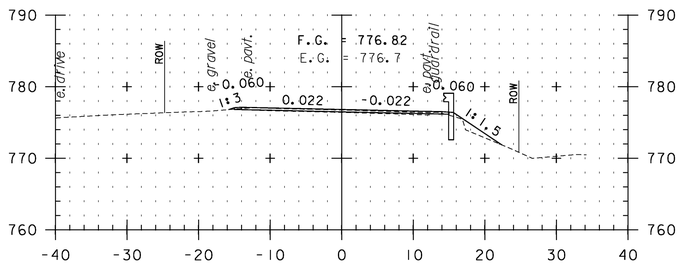
402+16
BEGIN BRIDGE 22 APPROACH



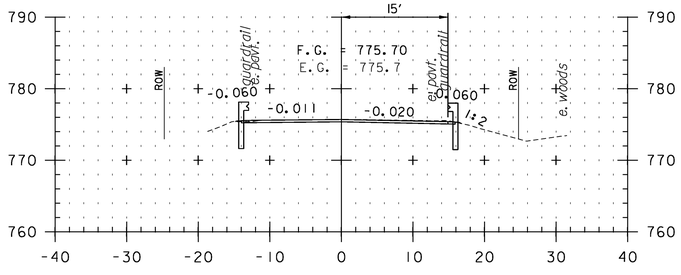
403+00



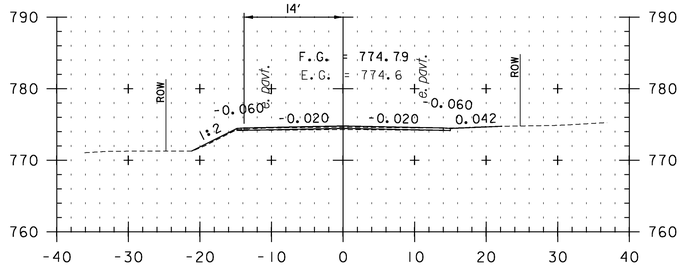
404+50



402+00

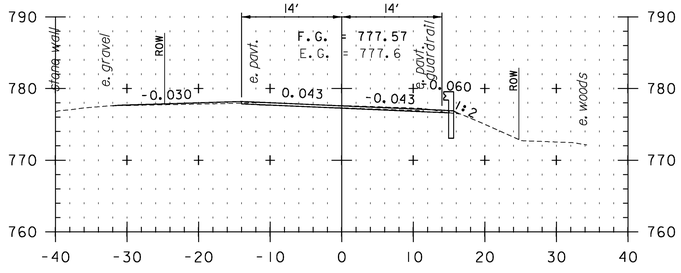


402+75

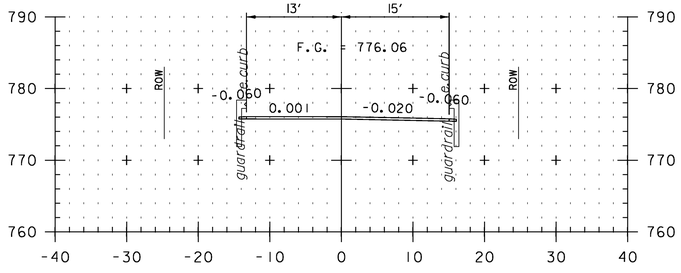


404+00

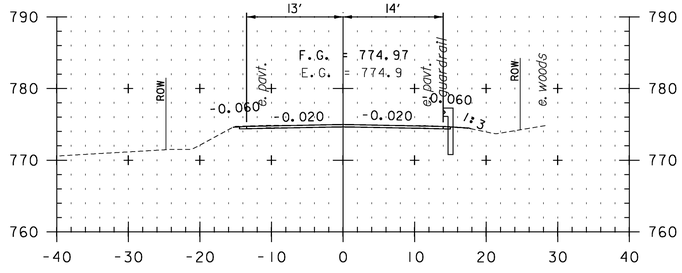
END BRIDGE 22 APPROACH



401+50



402+50



403+50

CROSS SECTION SHEET 51

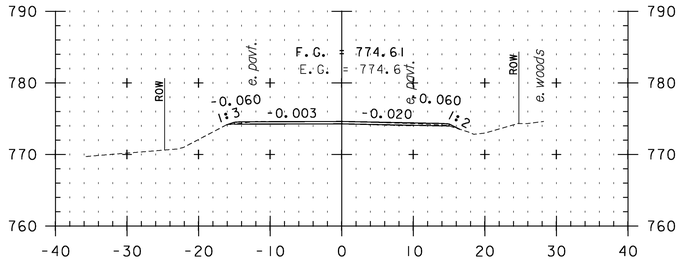
STA. 401+50 TO STA. 404+50

0 10 20
SCALE IN FEET

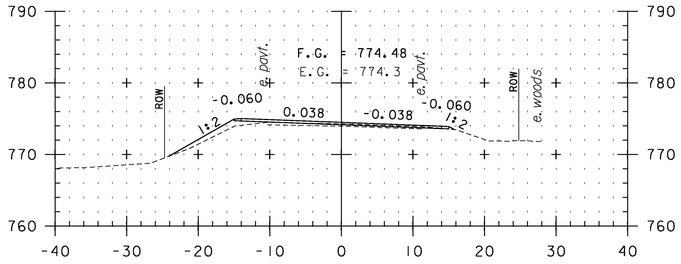
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_159

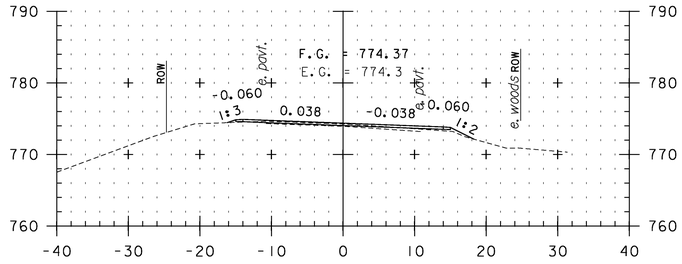
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 159 OF 232



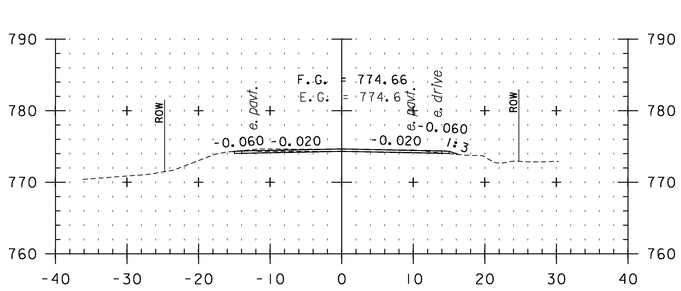
406+00



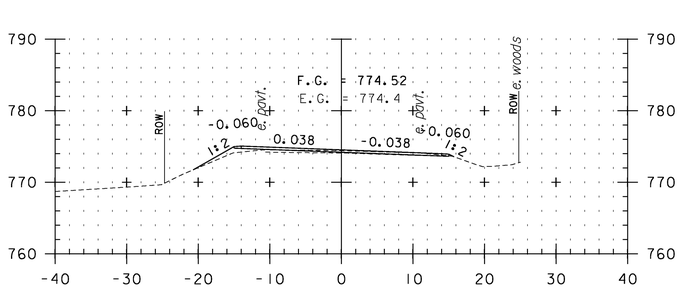
407+50



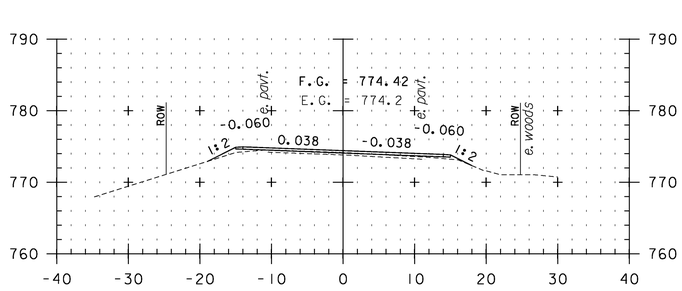
F0+50



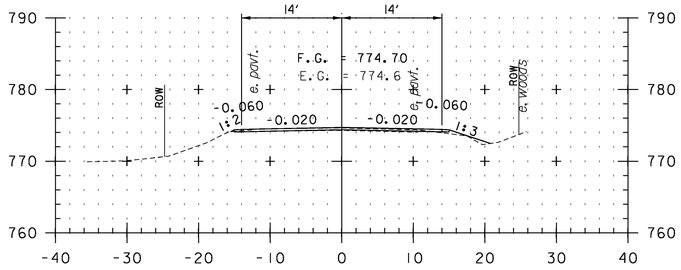
405+50



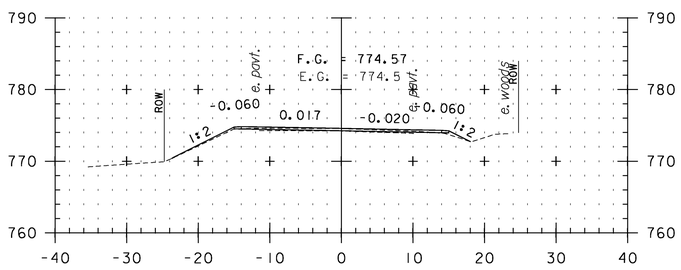
407+00



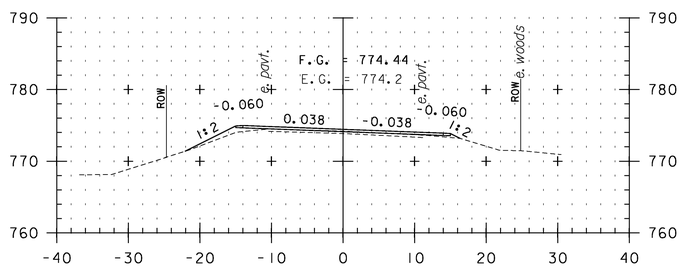
F0+00



405+00



406+50



408+00

CROSS SECTION SHEET 52

STA. 405+00 TO STA. F0+50

0 10 20

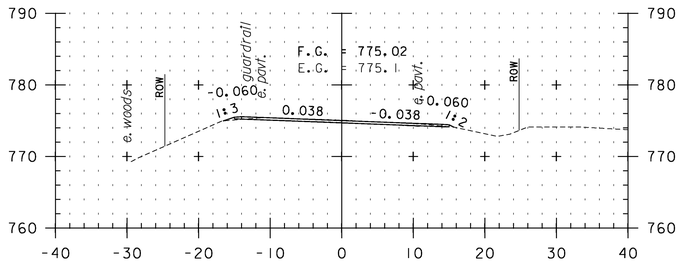
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

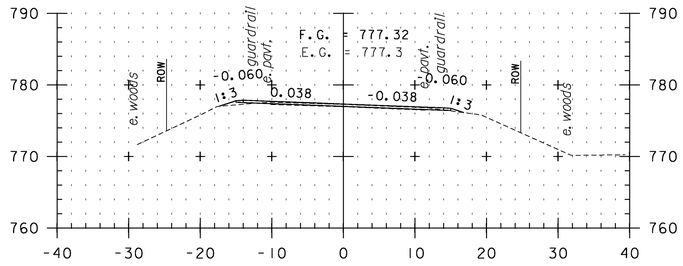
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_160

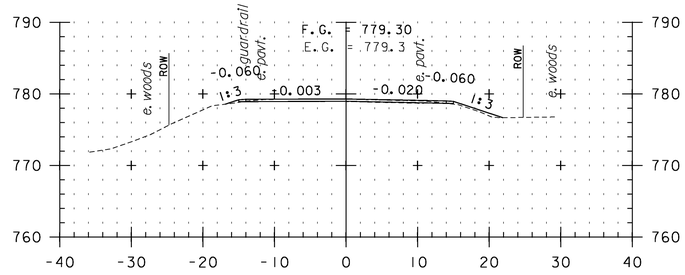
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 160 OF 232



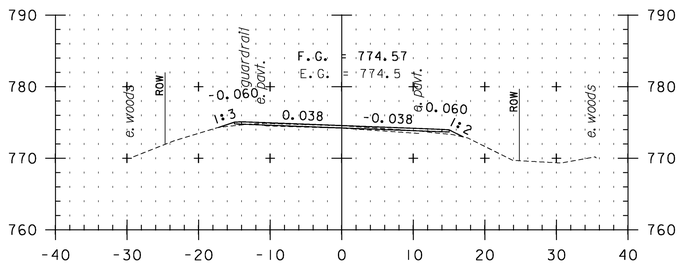
F2+00



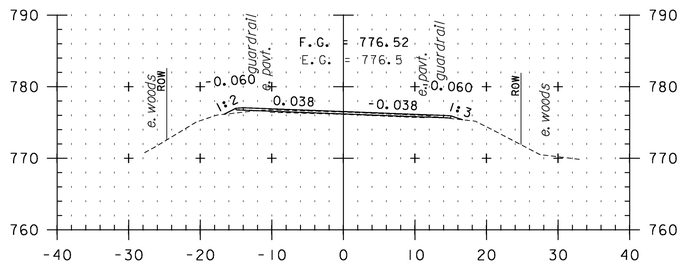
F3+50



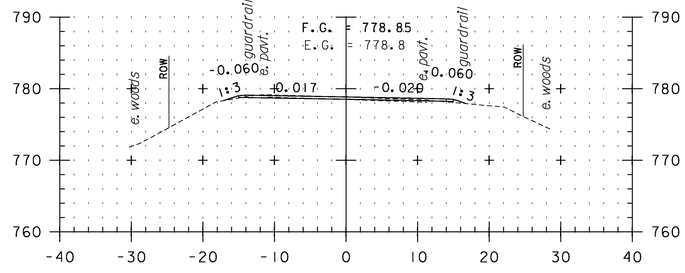
F5+00



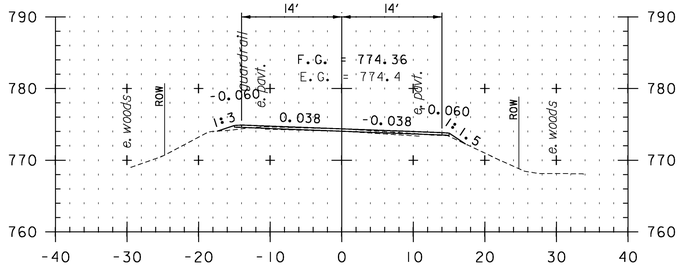
F1+50



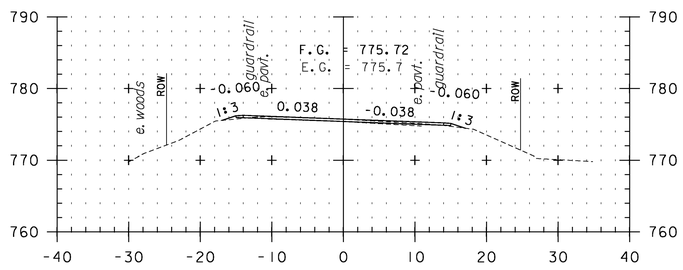
F3+00



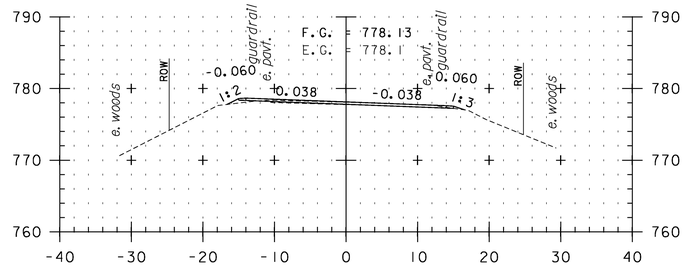
F4+50



F1+00



F2+50



F4+00

CROSS SECTION SHEET 53

STA. F1+00 TO STA. F5+00

0 10 20

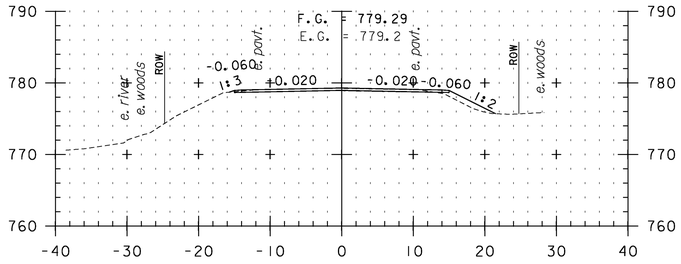
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

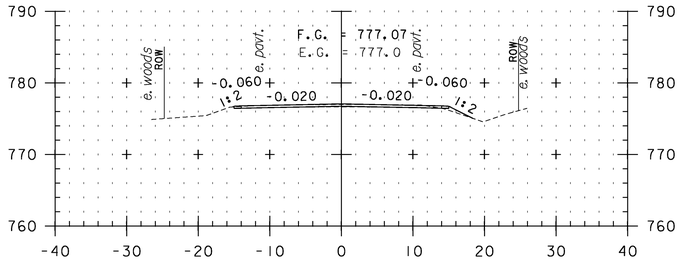
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_161

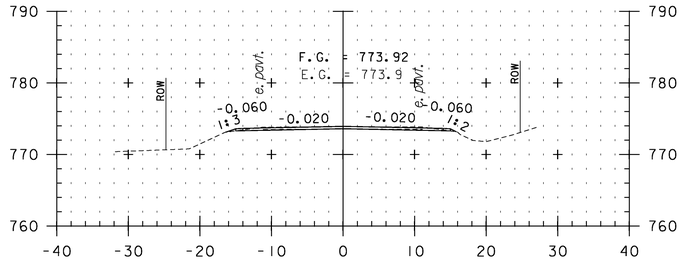
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 161 OF 232



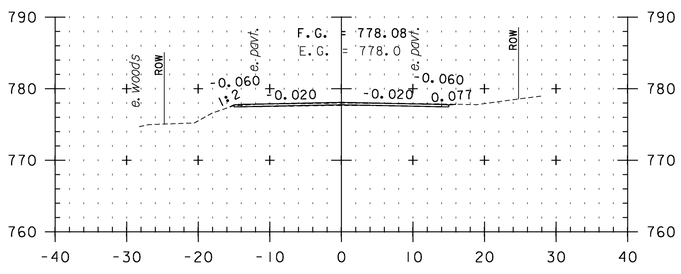
F6+00



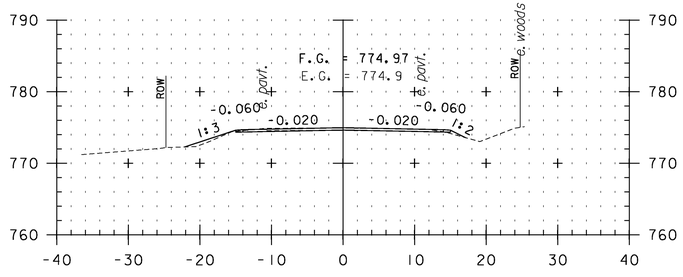
F7+50



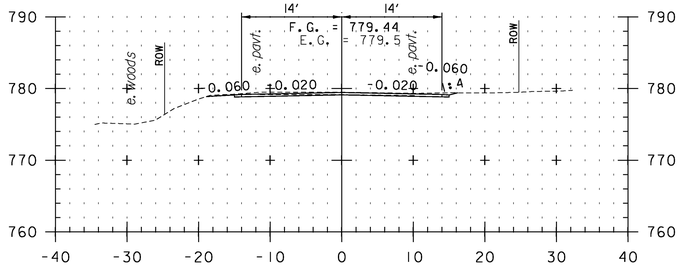
F9+00



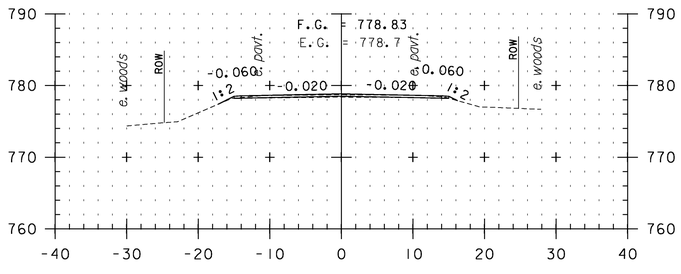
F7+00



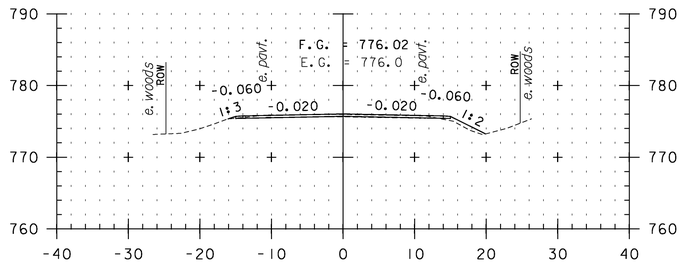
F8+50



F5+50



F6+50



F8+00

CROSS SECTION SHEET 54

STA. F5+50 TO STA. F9+00

0 10 20

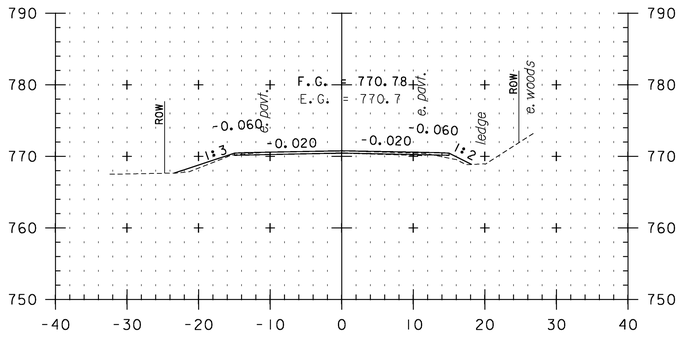
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

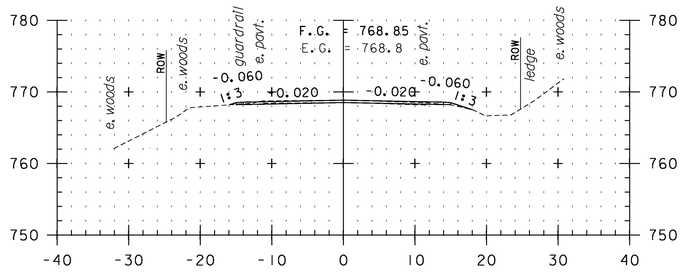
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_162

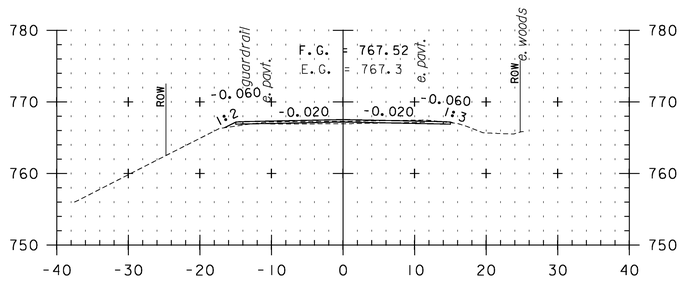
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 162 OF 232



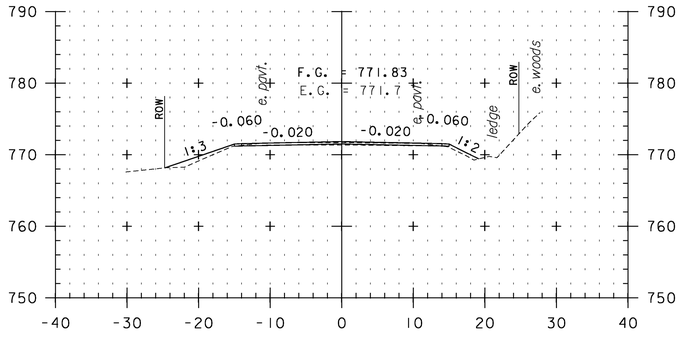
F 10+50



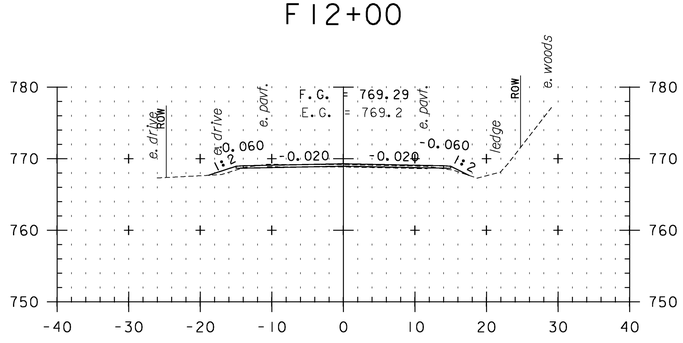
F 12+00



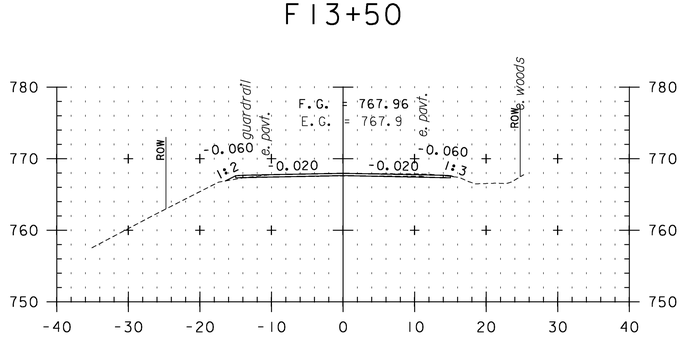
F 13+50



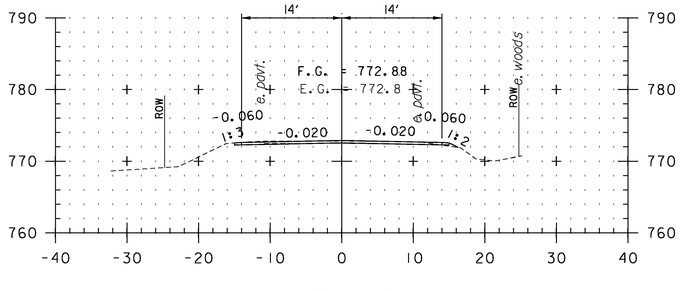
F 10+00



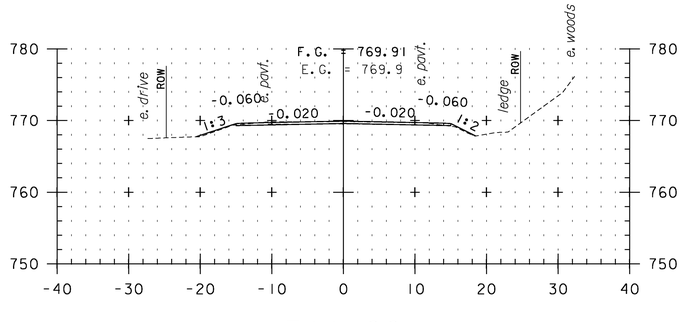
F 11+50



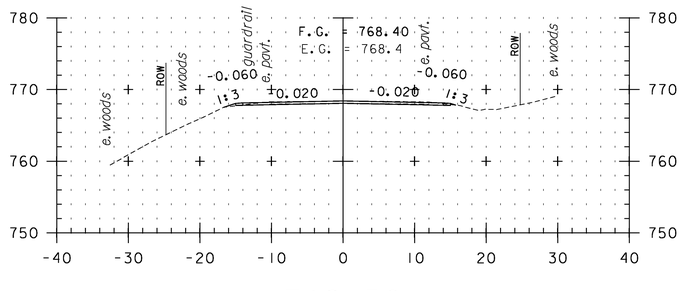
F 13+00



F 9+50



F 11+00



F 12+50

CROSS SECTION SHEET 55

STA. F9+50 TO STA. F13+50

0 10 20

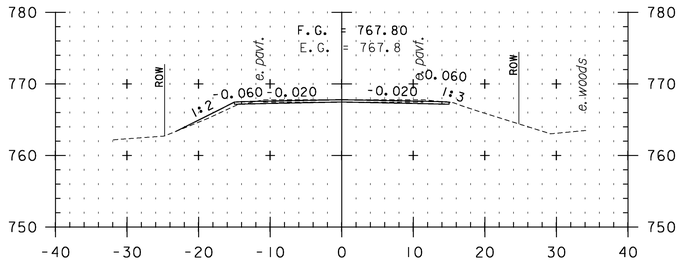
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

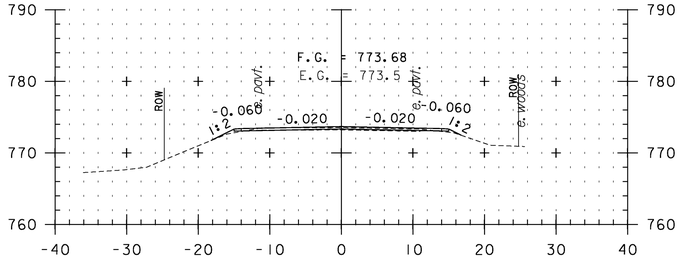
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_163

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 163 OF 232

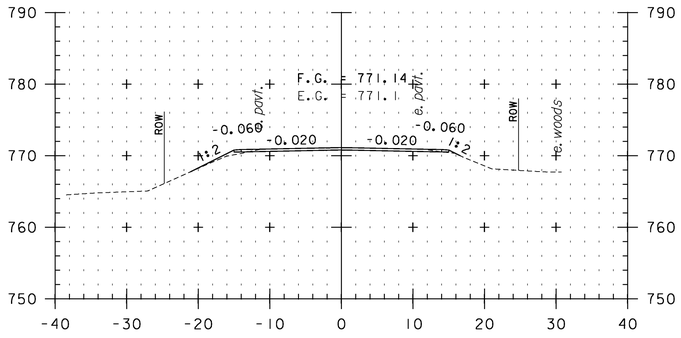


F15+00



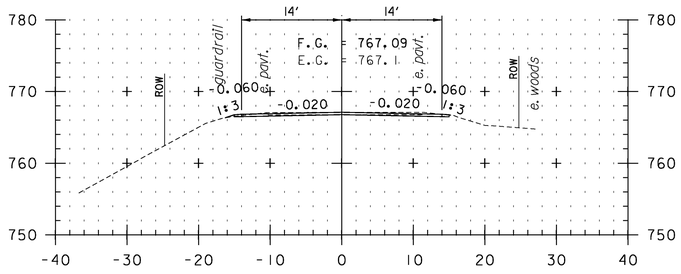
F16+50

F14+50

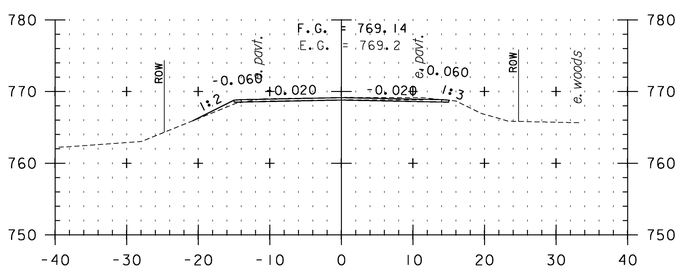


F16+00

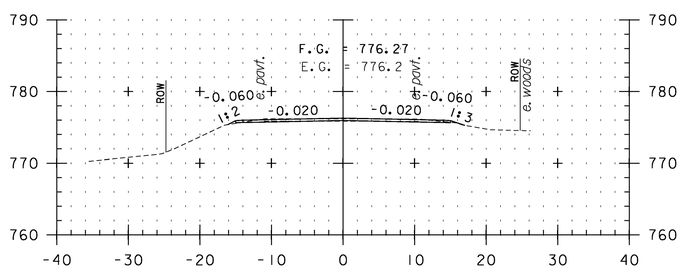
F17+50



F14+00



F15+50



F17+00

CROSS SECTION SHEET 56

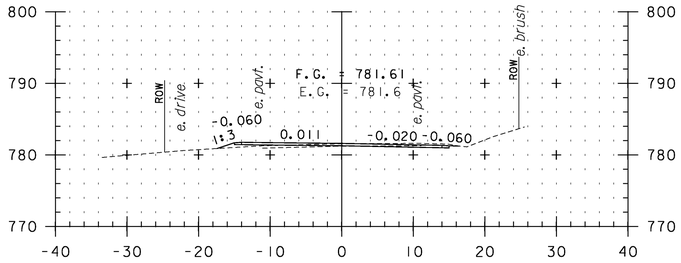
STA. F14+00 TO STA. F17+50

0 10 20
SCALE IN FEET

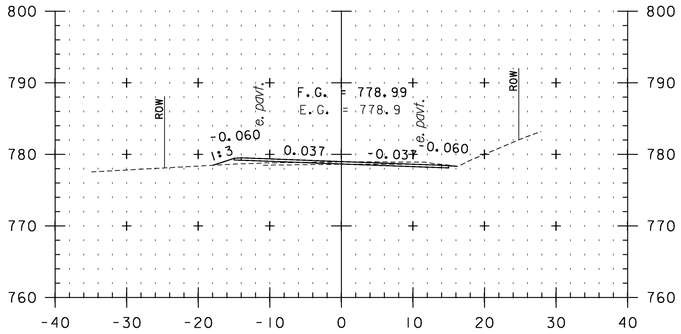
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_164

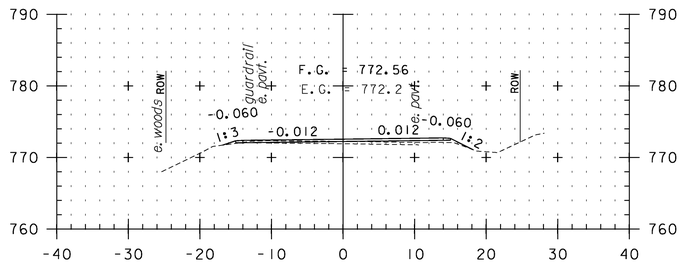
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 164 OF 232



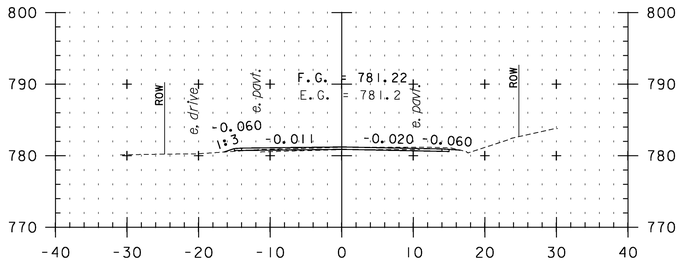
F19+00



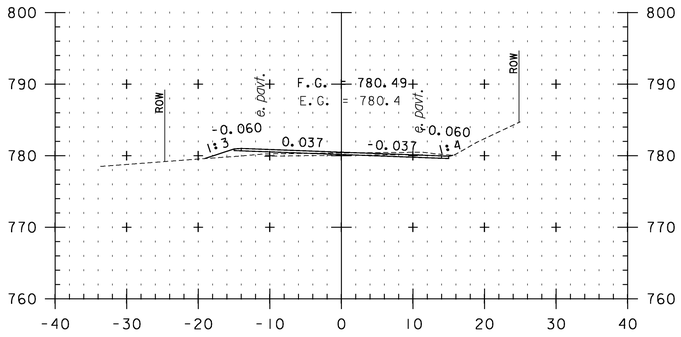
F20+50



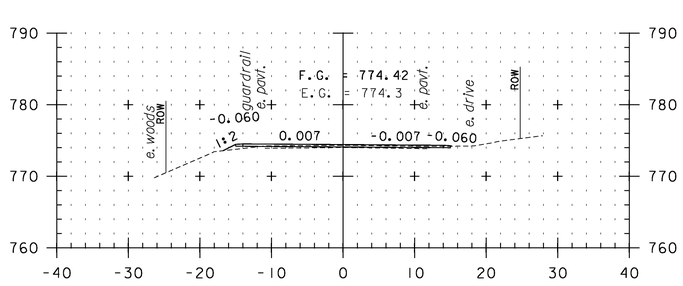
F22+00



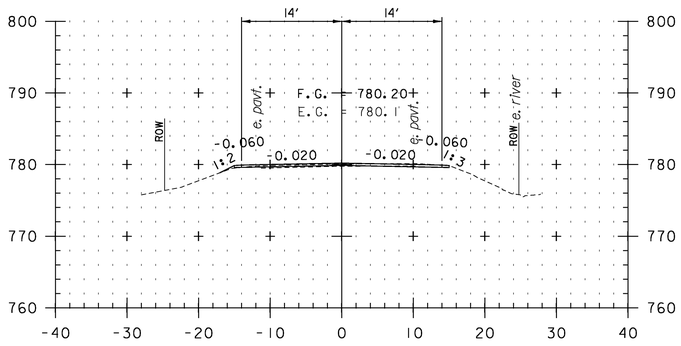
F18+50



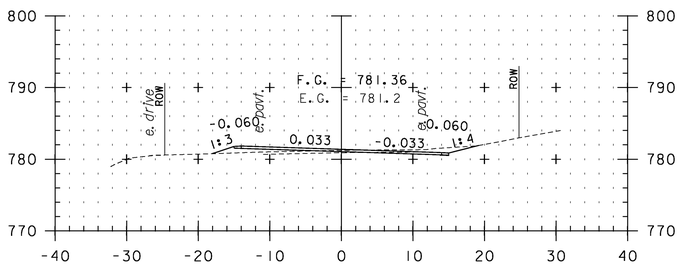
F20+00



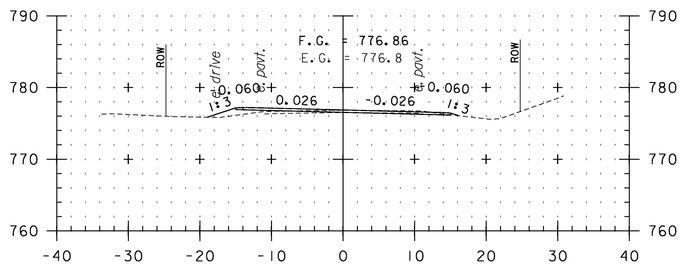
F21+50



F18+00



F19+50



F21+00

CROSS SECTION SHEET 57

STA. F18+00 TO STA. F22+00

0 10 20

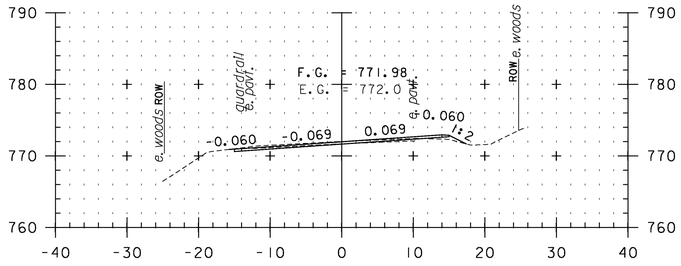
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

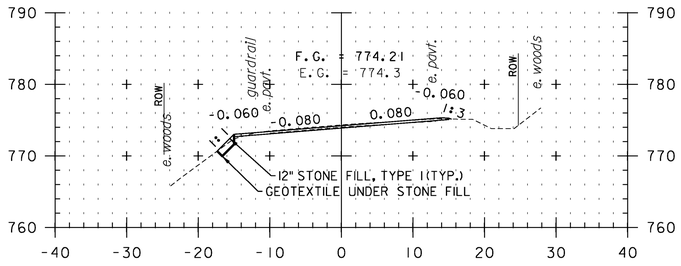
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_165

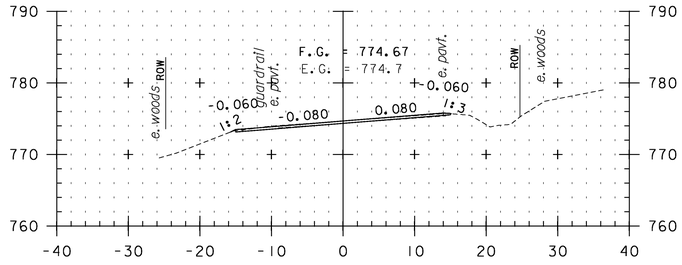
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 165 OF 232



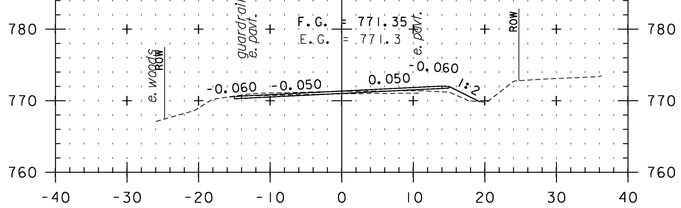
F23+50



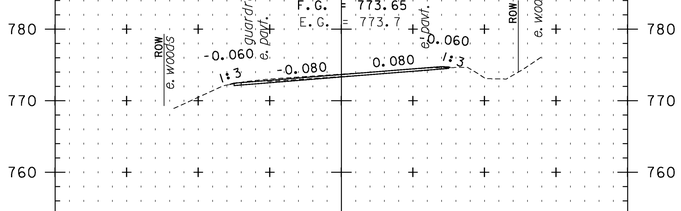
F25+00



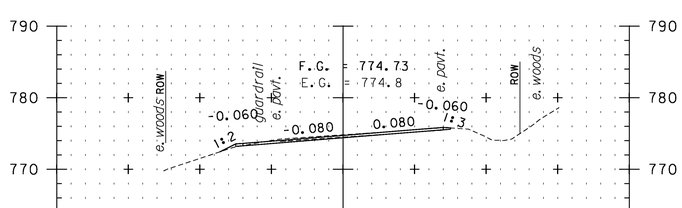
F26+50



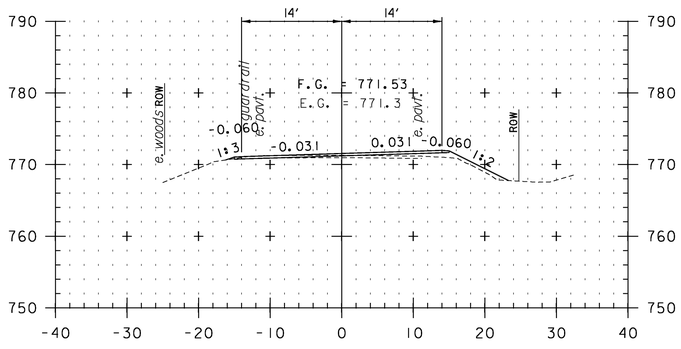
F23+00



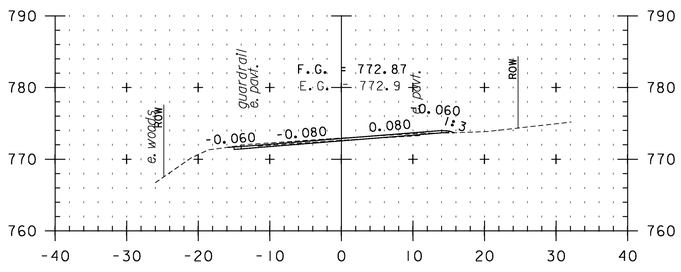
F24+50



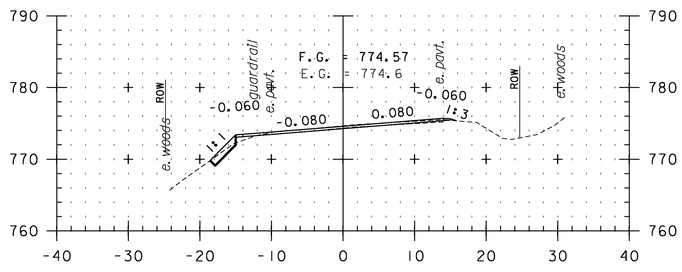
F26+00



F22+50



F24+00



F25+50

CROSS SECTION SHEET 58

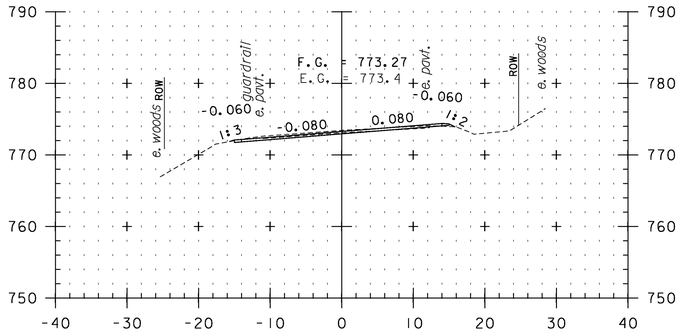
STA. F22+50 TO STA. F26+50

0 10 20
SCALE IN FEET

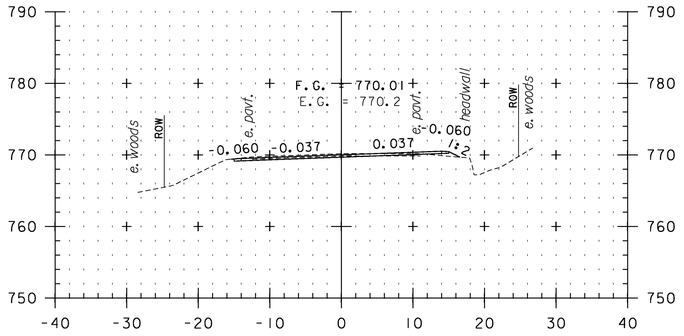
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_166

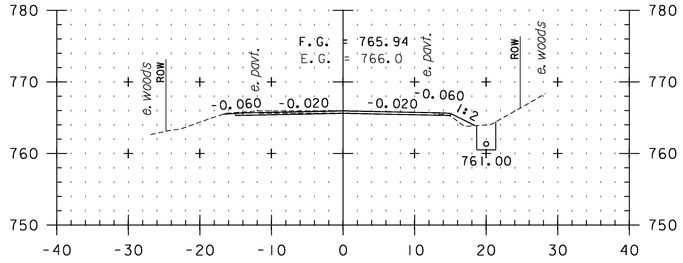
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 166 OF 232



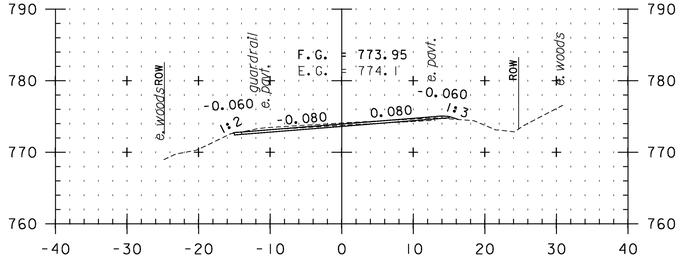
F28+00



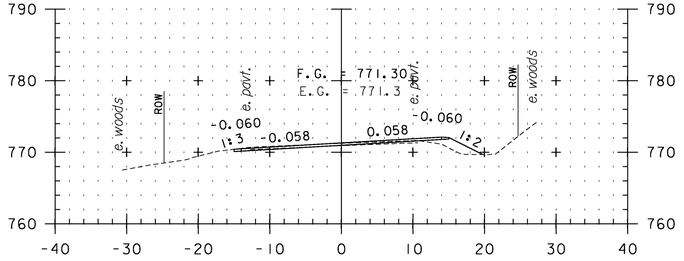
F29+50



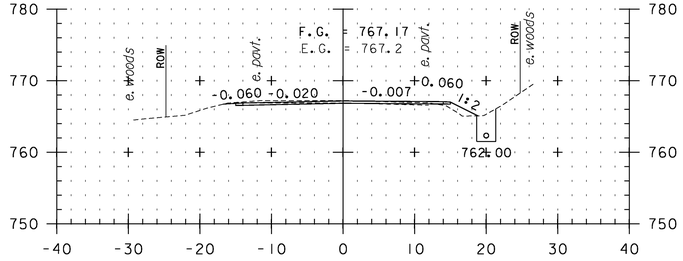
F31+00



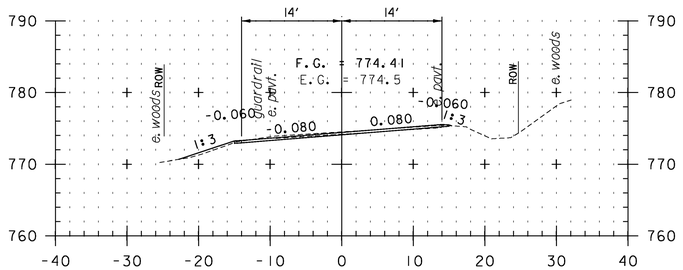
F27+50



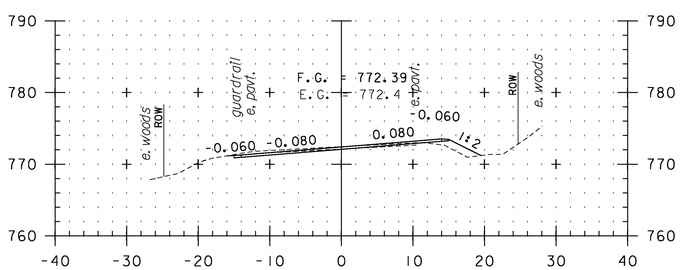
F29+00



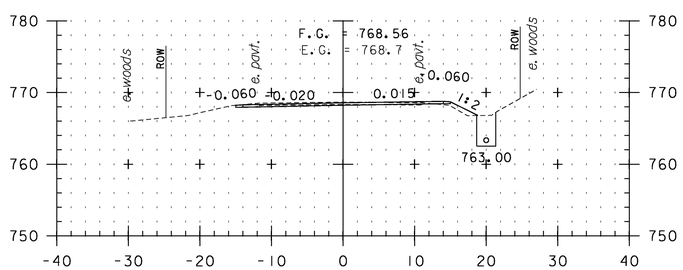
F30+50



F27+00



F28+50



F30+00

CROSS SECTION SHEET 59

STA. F27+00 TO STA. F31+00

0 10 20

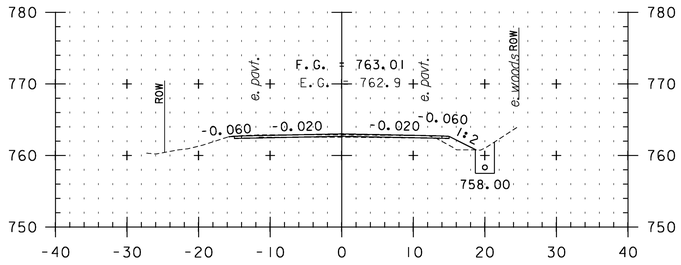
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

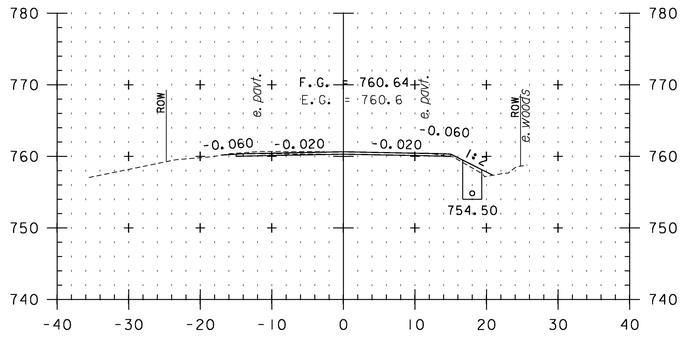
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_167

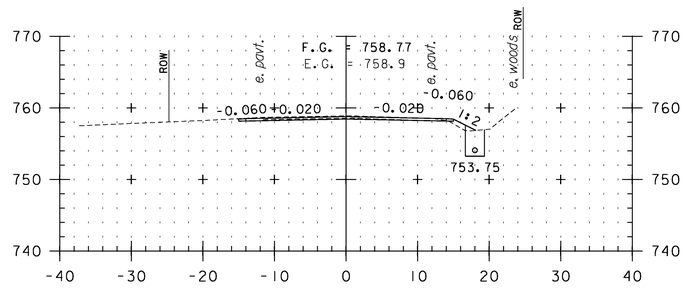
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 167 OF 232



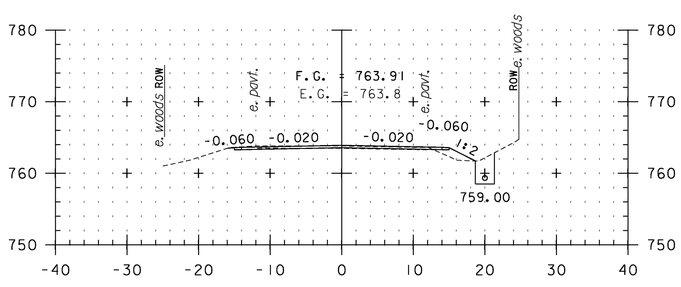
F32+50



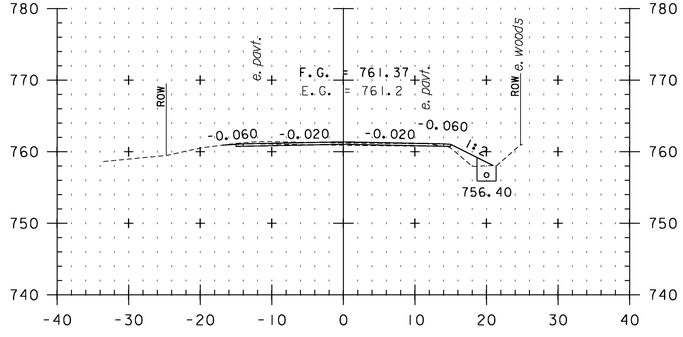
F34+00



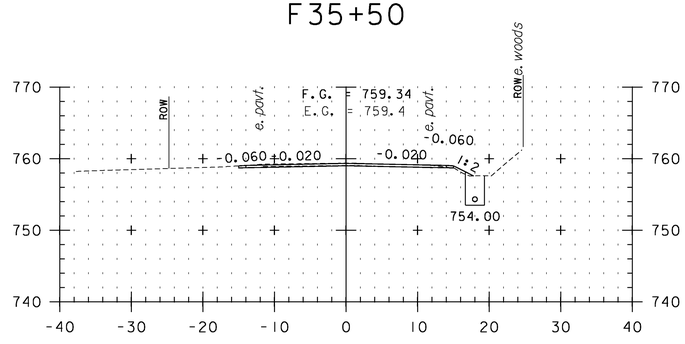
F35+50



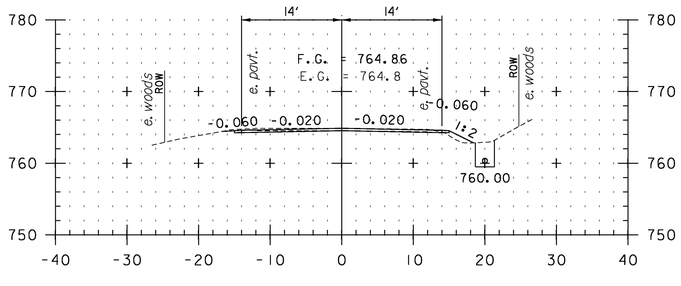
F32+00



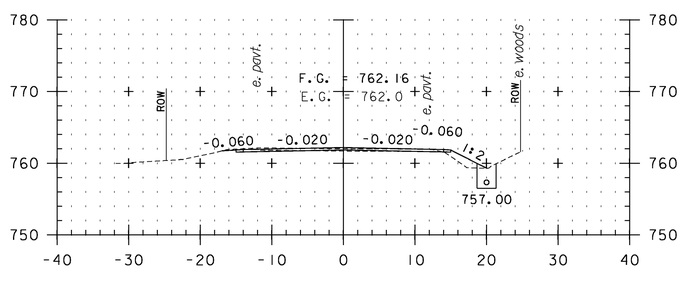
F33+50



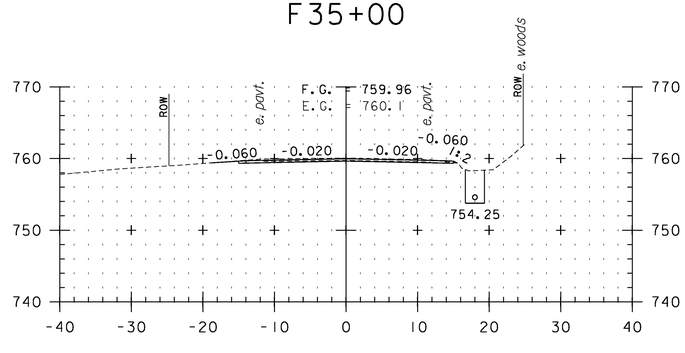
F35+00



F31+50



F33+00



F34+50

CROSS SECTION SHEET 60

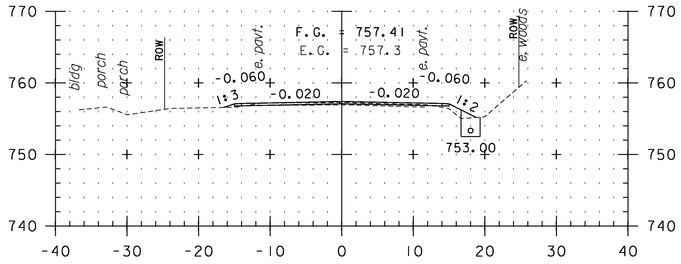
STA. F31+50 TO STA. F35+50

0 10 20
SCALE IN FEET

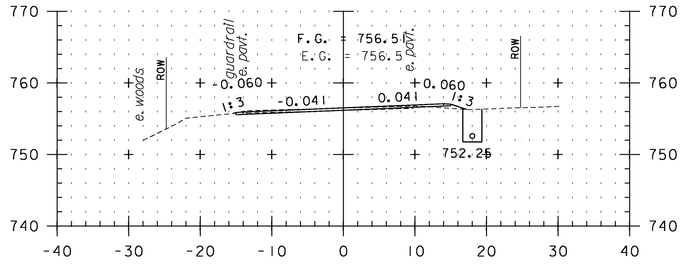
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_168

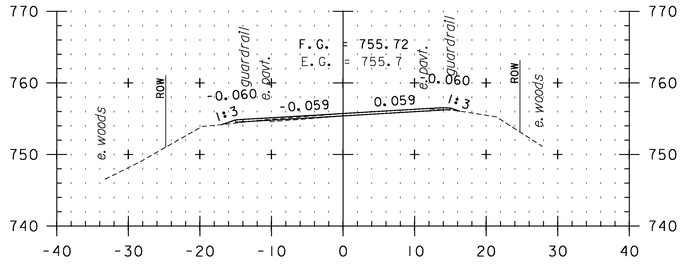
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 168 OF 232



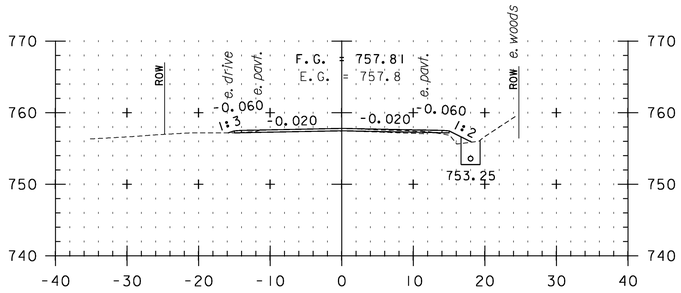
F37+00



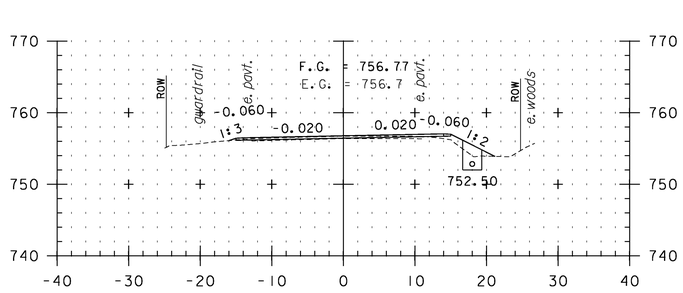
F38+50



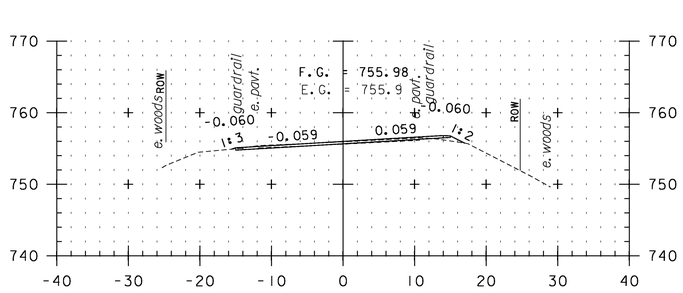
F40+00



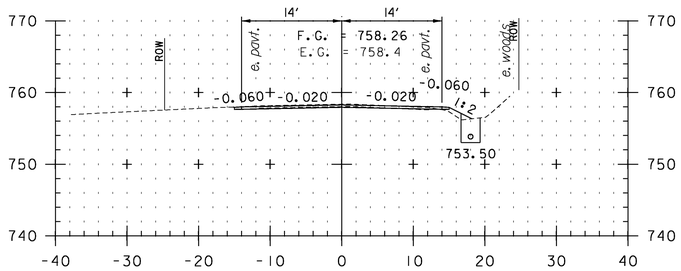
F36+50



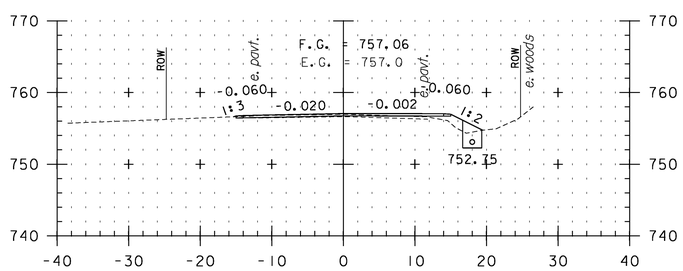
F38+00



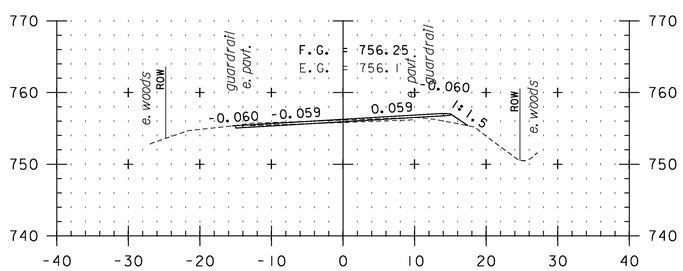
F39+50



F36+00



F37+50



F39+00

CROSS SECTION SHEET 61

STA. F36+00 TO STA. F40+00

0 10 20

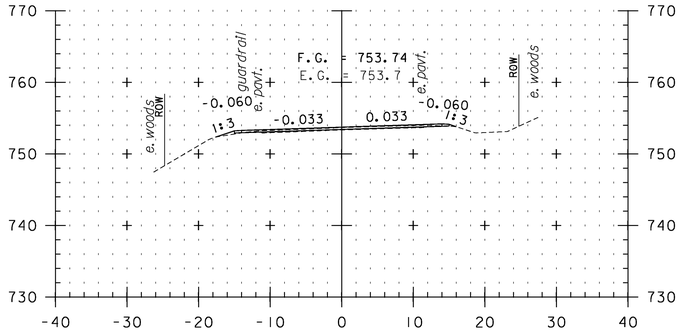
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

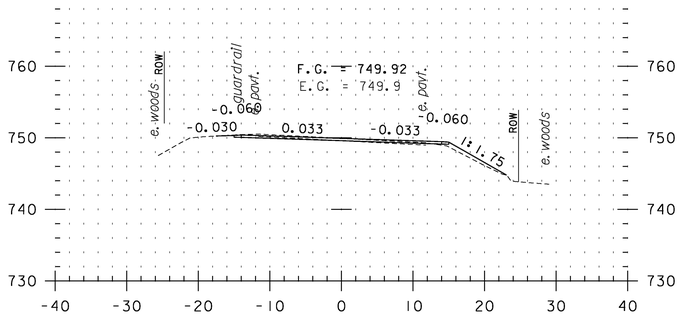
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_169

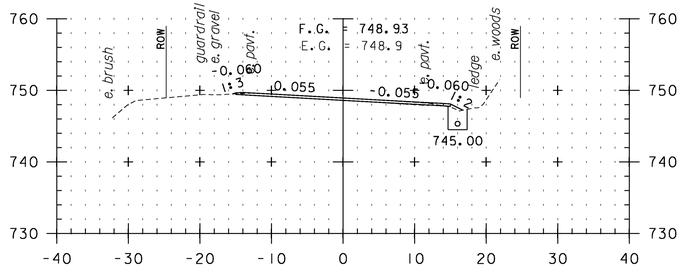
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 169 OF 232



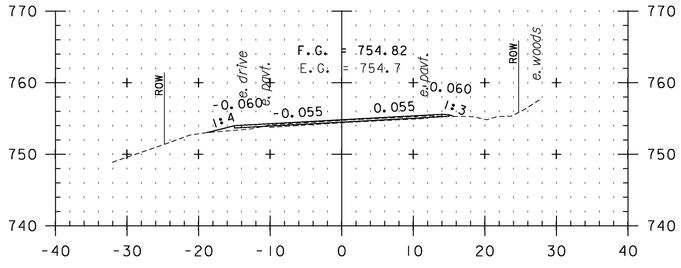
F41+50



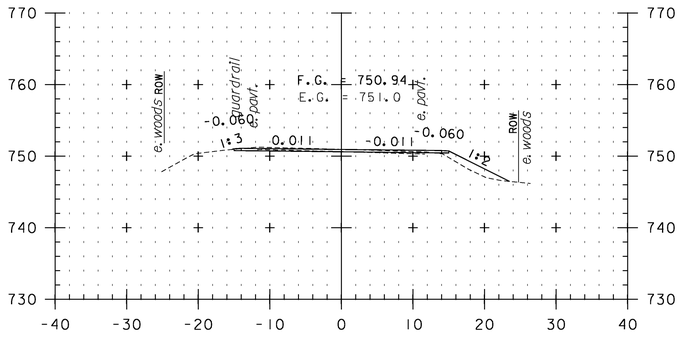
F43+00



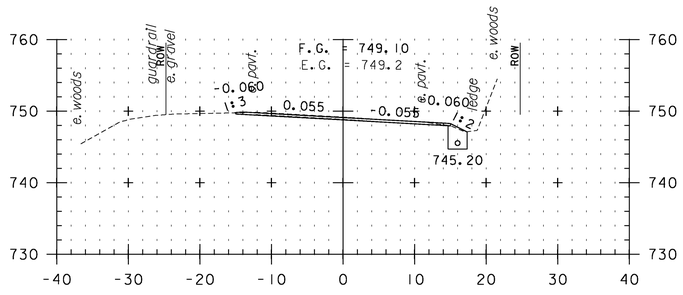
F44+50



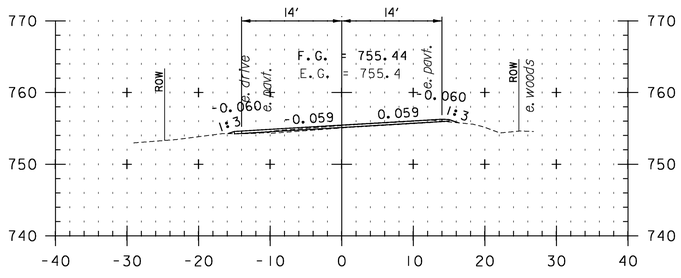
F41+00



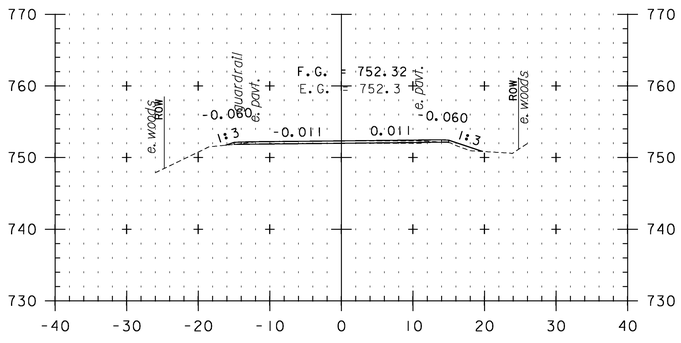
F42+50



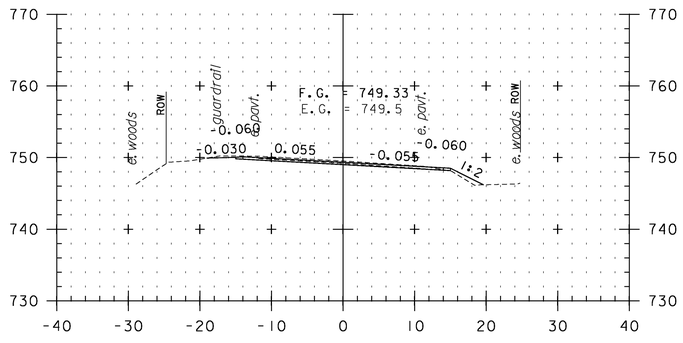
F44+00



F40+50



F42+00



F43+50

CROSS SECTION SHEET 62

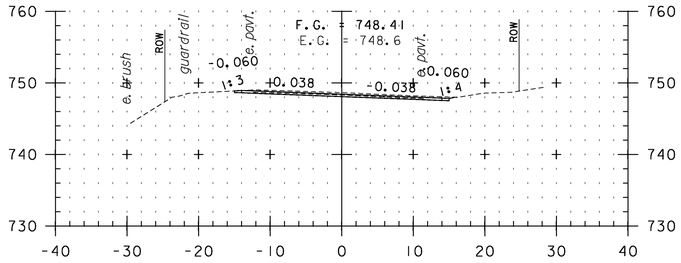
STA. F40+50 TO STA. F44+50

0 10 20
SCALE IN FEET

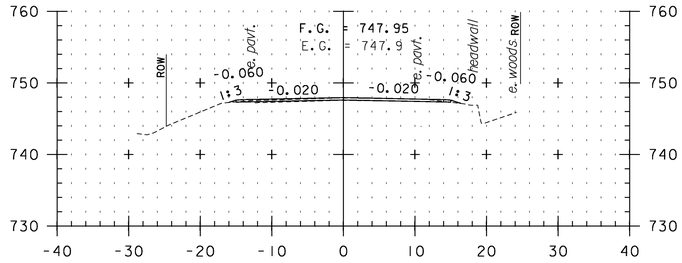
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_170

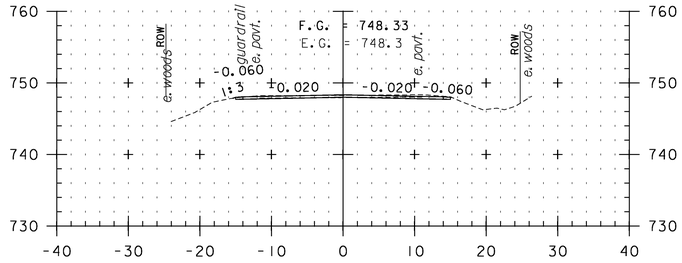
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 170 OF 232



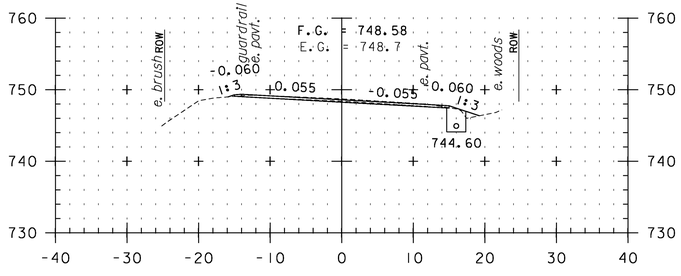
F46+00



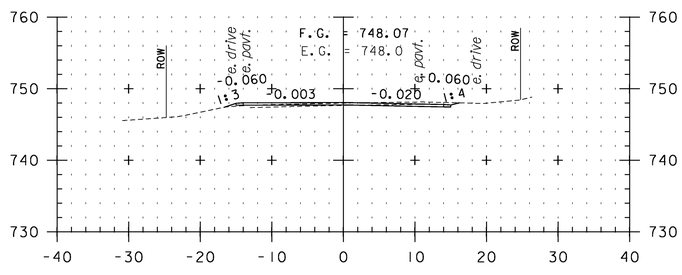
F47+50



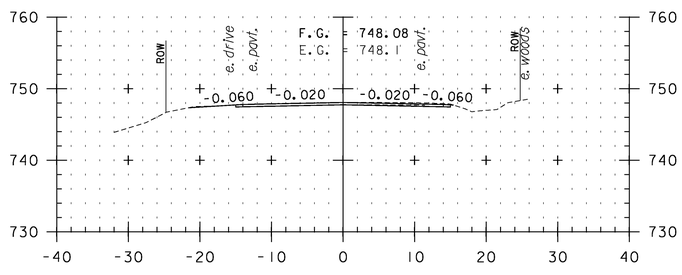
F49+00



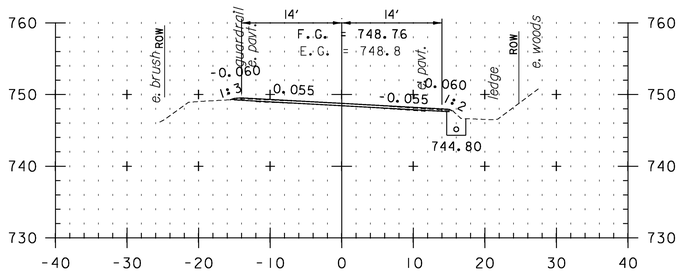
F45+50



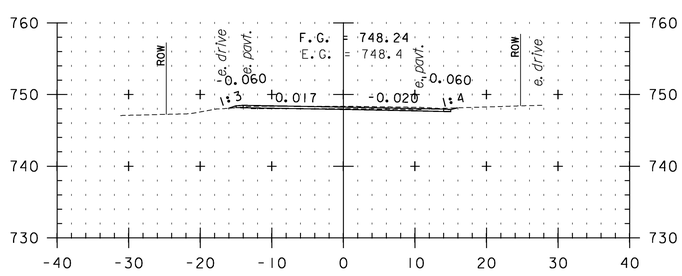
F47+00



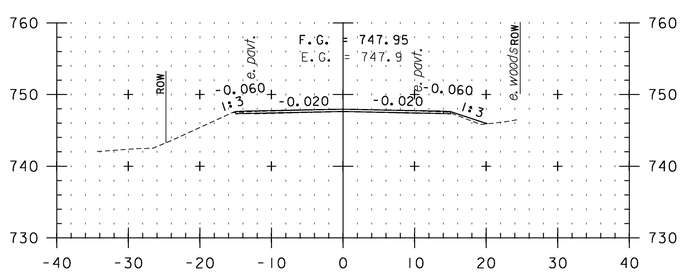
F48+50



F45+00



F46+50



F48+00

CROSS SECTION SHEET 63

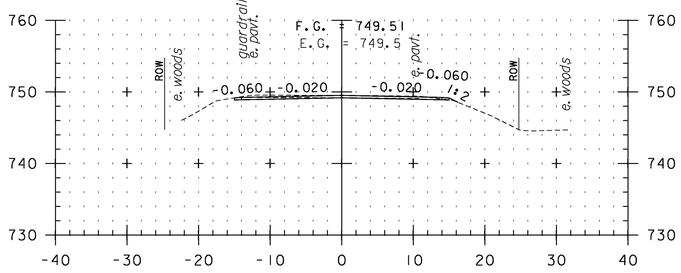
STA. F45+00 TO STA. F49+00

0 10 20
SCALE IN FEET

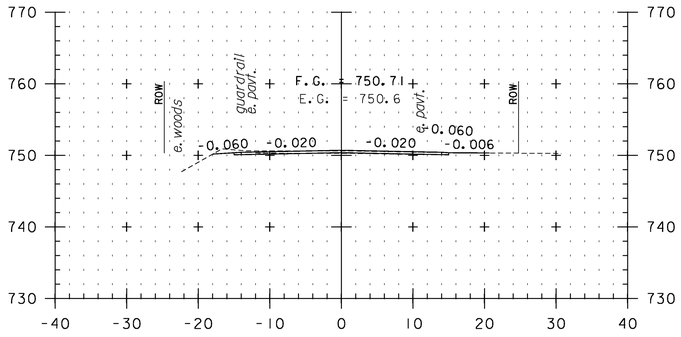
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_171

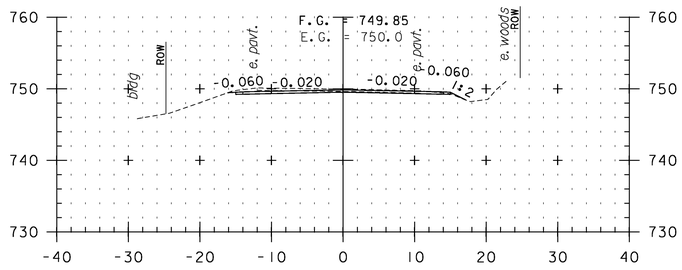
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 171 OF 232



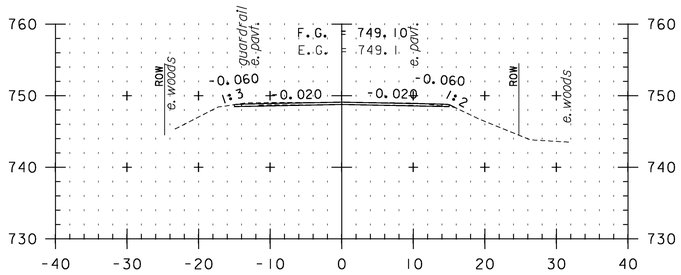
F50+50



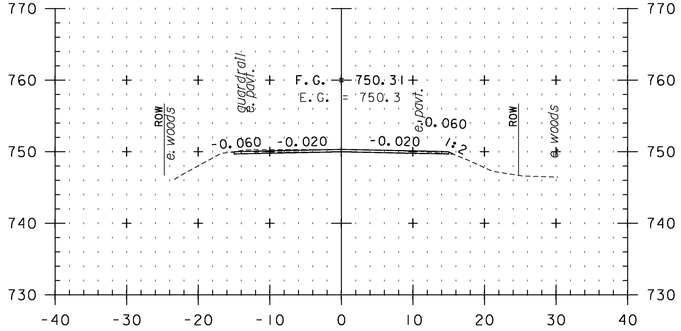
F52+00



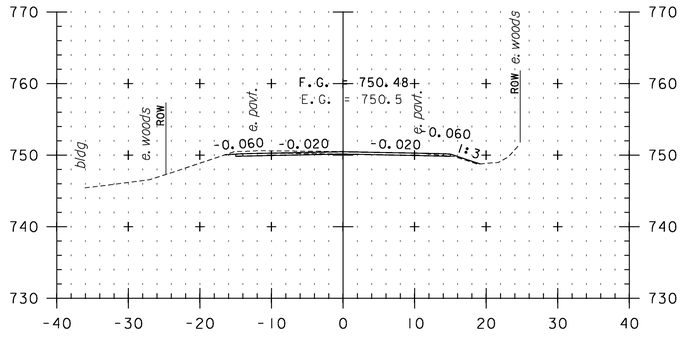
F53+50



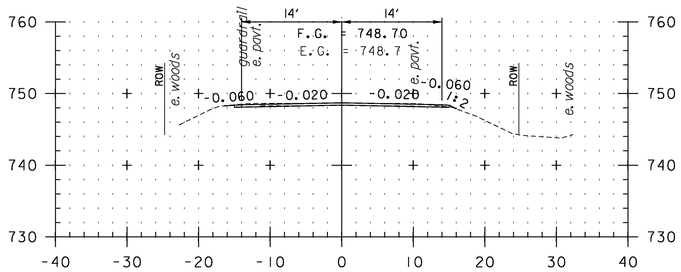
F50+00



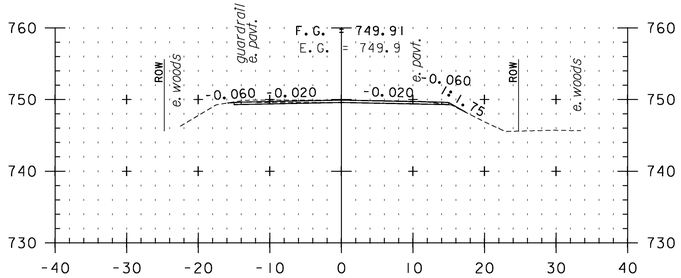
F51+50



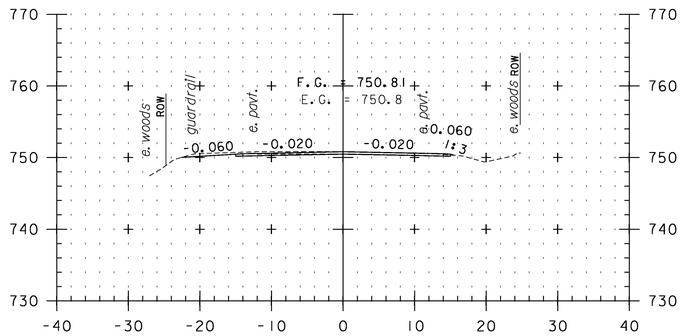
F53+00



F49+50



F51+00



F52+50

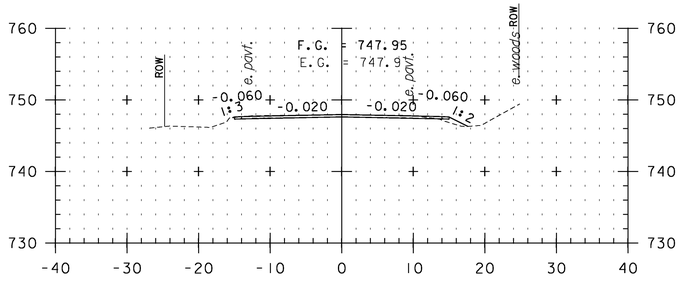
CROSS SECTION SHEET 64

STA. F49+50 TO STA. F53+50

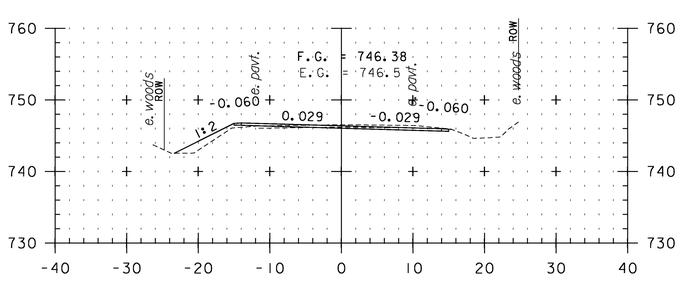
0 10 20

SCALE IN FEET

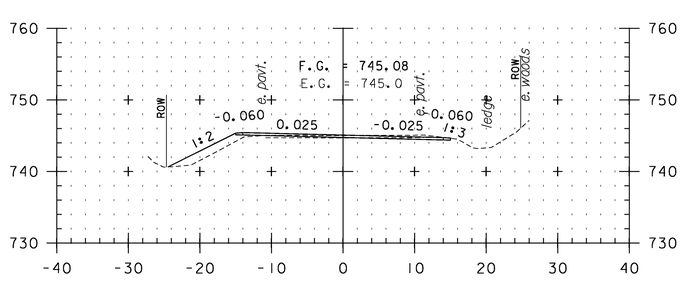
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: pl0c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: l0C224_172	SHEET 172 OF 232



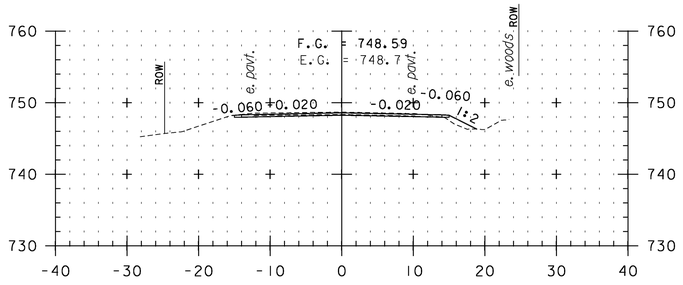
F55+00



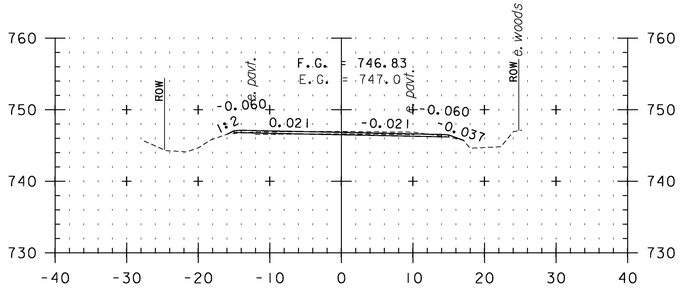
F56+50



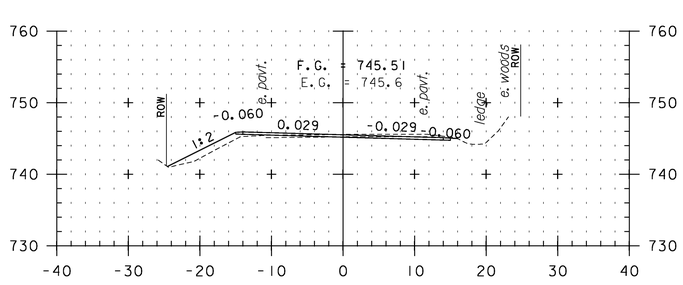
F58+00



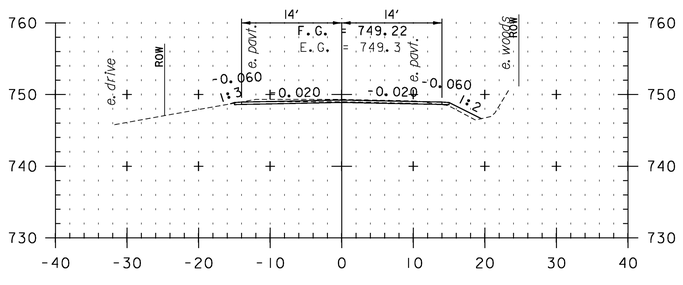
F54+50



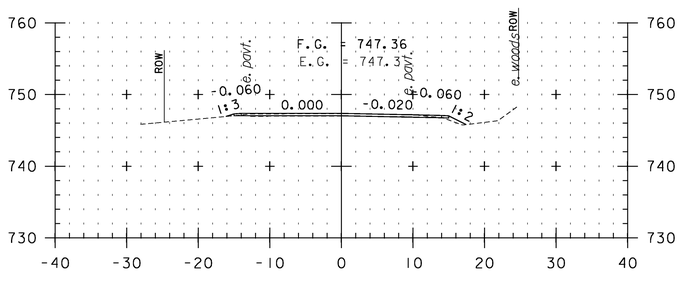
F56+00



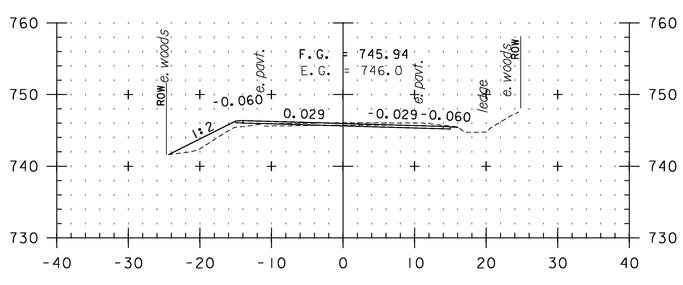
F57+50



F54+00



F55+50



F57+00

CROSS SECTION SHEET 65

STA. F54+00 TO STA. F58+00

0 10 20

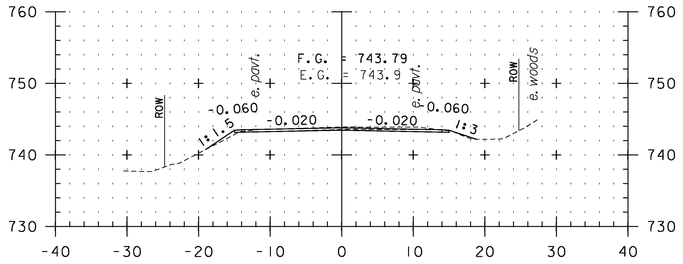
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

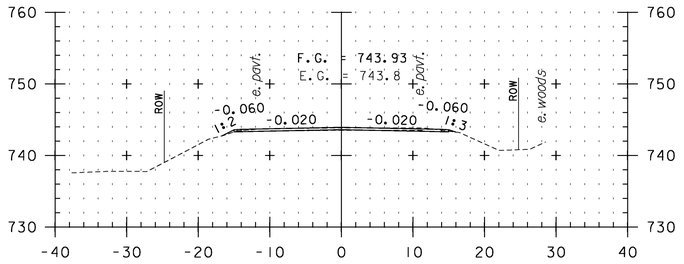
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_173

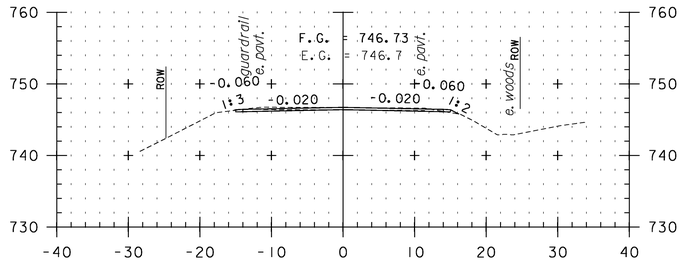
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 173 OF 232



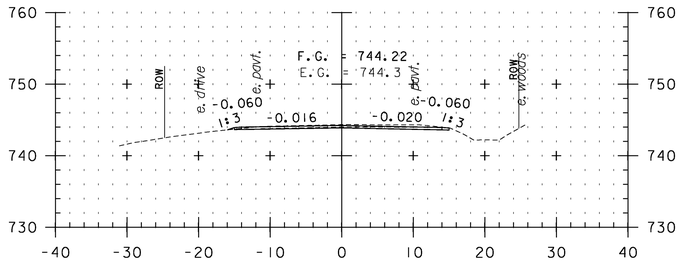
F59+50



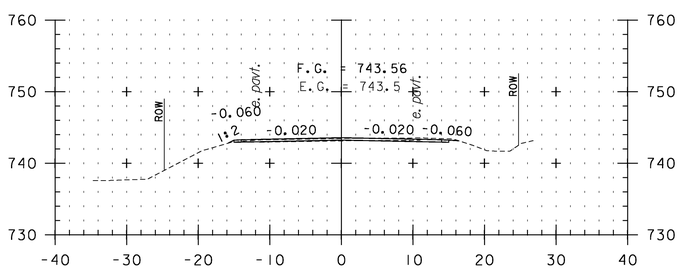
F61+00



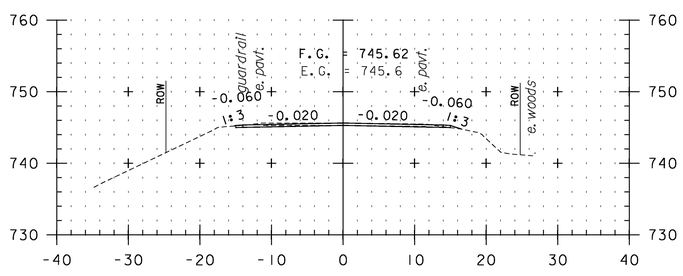
F62+50



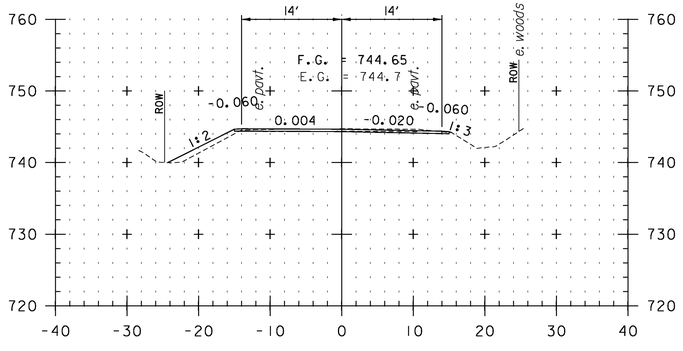
F59+00



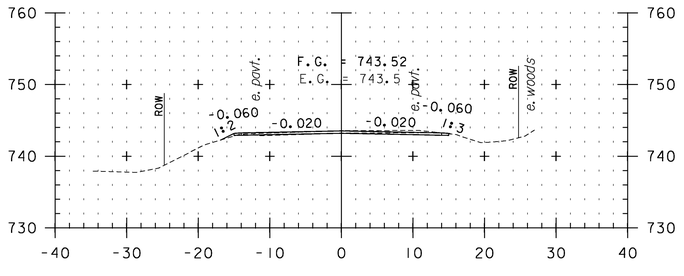
F60+50



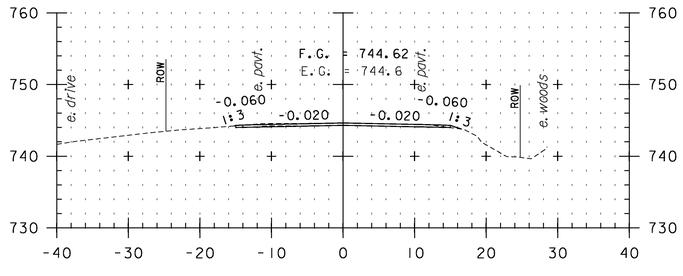
F62+00



F58+50



F60+00



F61+50

CROSS SECTION SHEET 66

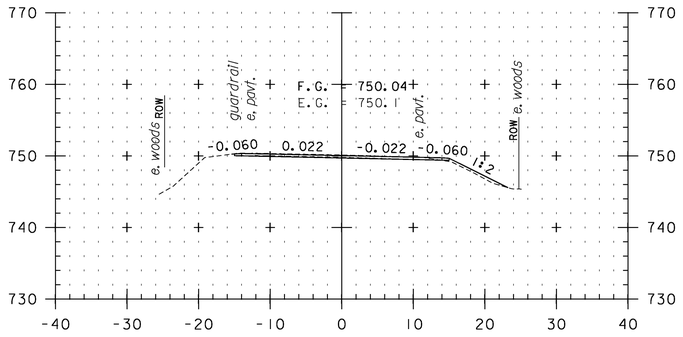
STA. F58+50 TO STA. F62+50

0 10 20
SCALE IN FEET

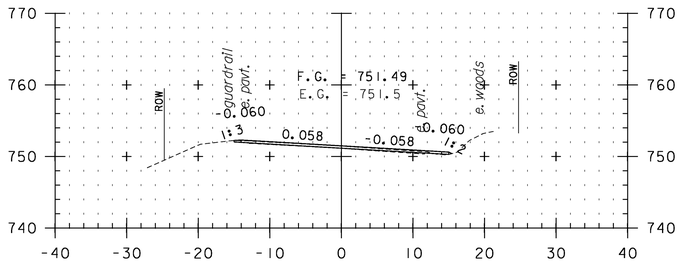
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_174

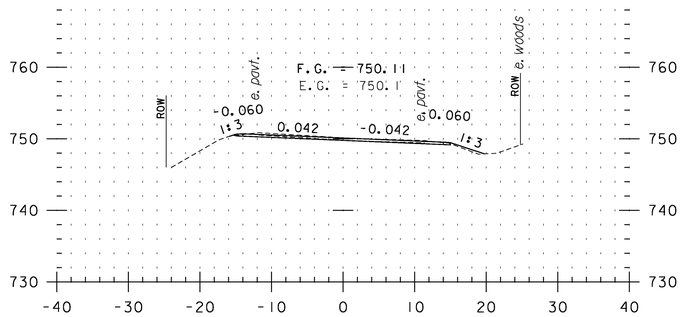
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 174 OF 232



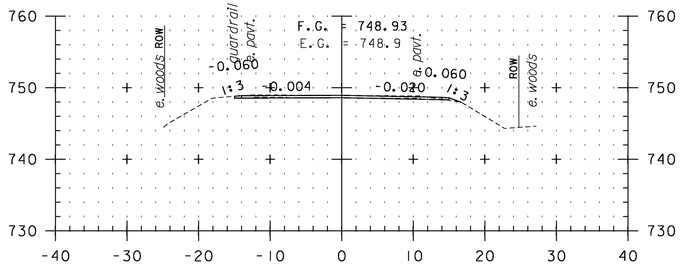
F64+00



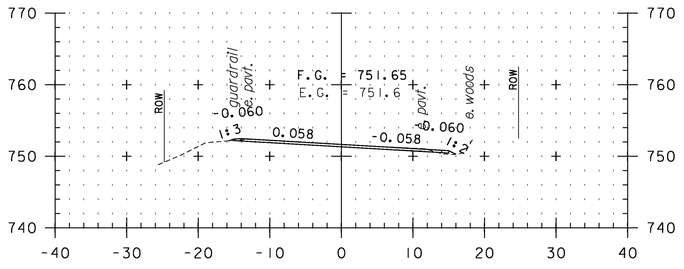
F65+50



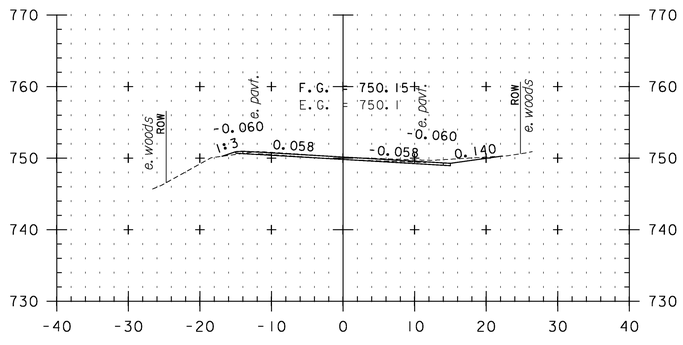
F67+00



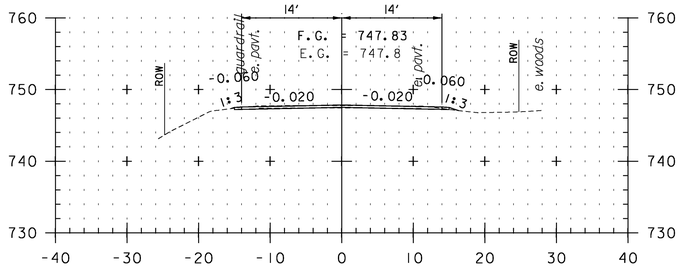
F63+50



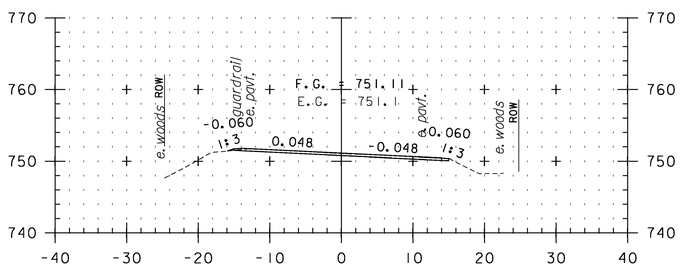
F65+00



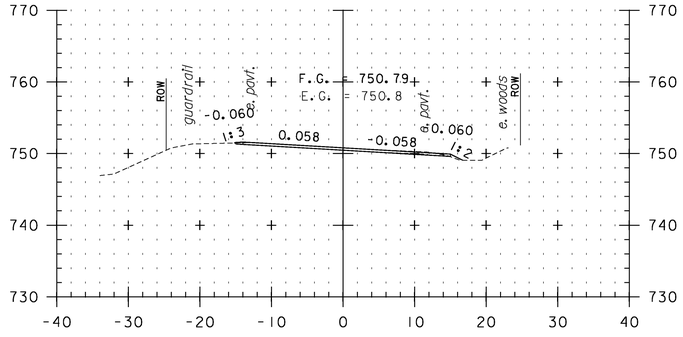
F66+50



F63+00



F64+50



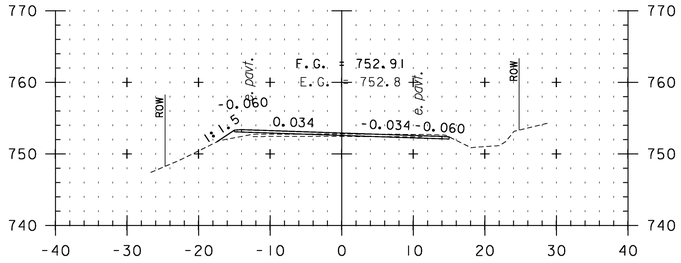
F66+00

CROSS SECTION SHEET 67

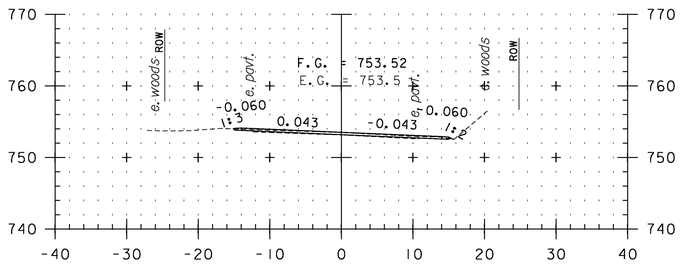
STA. F63+00 TO STA. F67+00

0 10 20
SCALE IN FEET

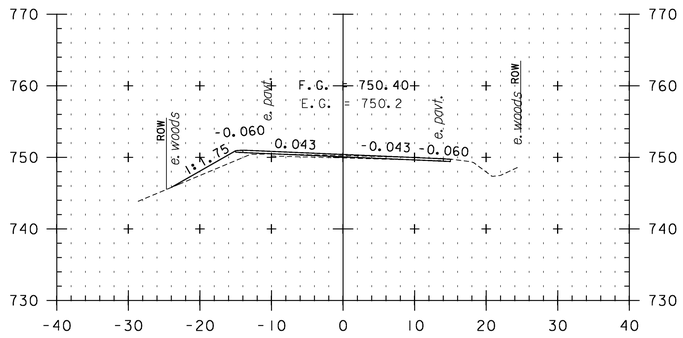
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(I)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_175	SHEET 175 OF 232



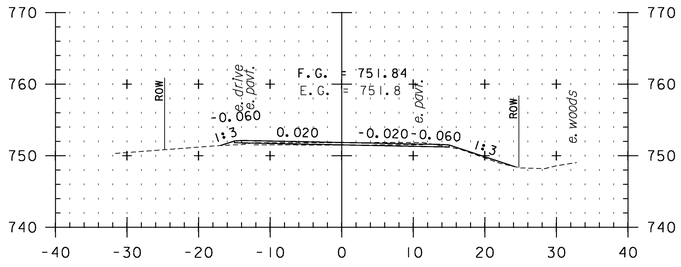
F68+50



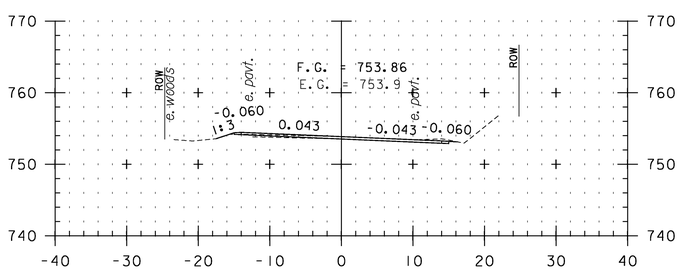
F70+00



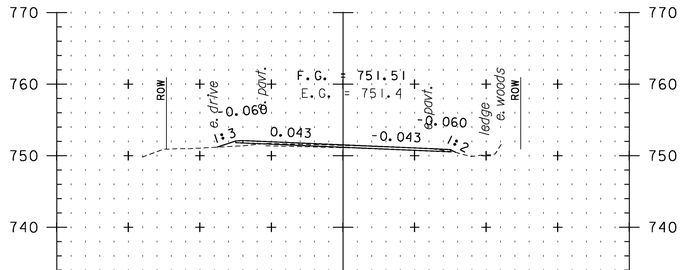
F71+50



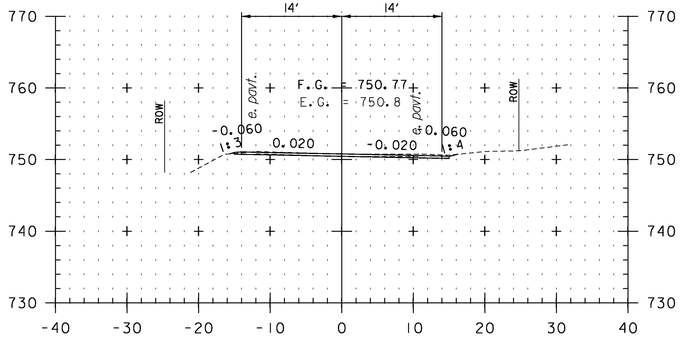
F68+00



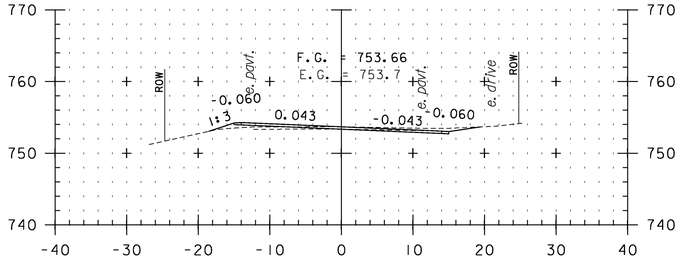
F69+50



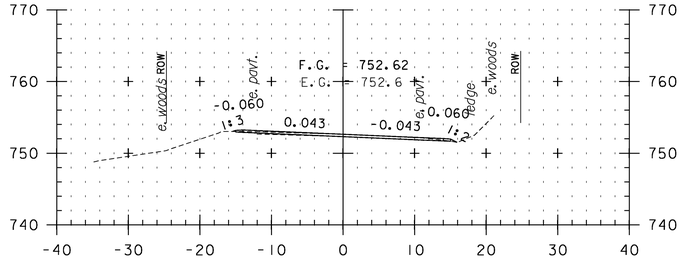
F71+00



F67+50



F69+00



F70+50

CROSS SECTION SHEET 68

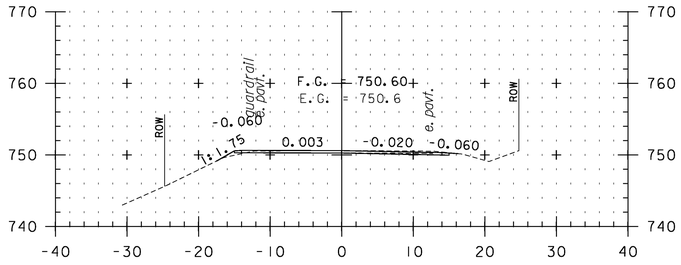
STA. F67+50 TO STA. F71+50

0 10 20
SCALE IN FEET

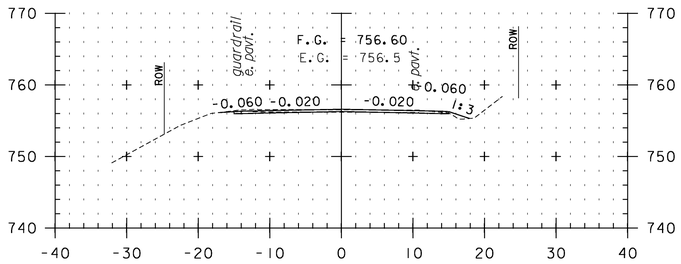
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_176

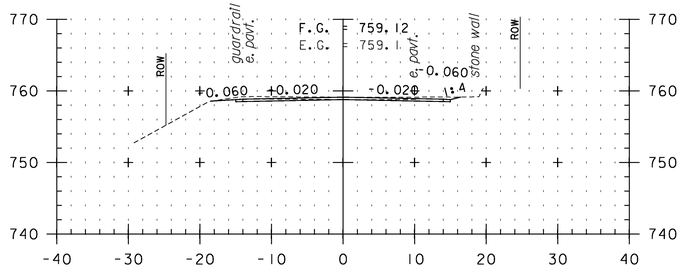
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 176 OF 232



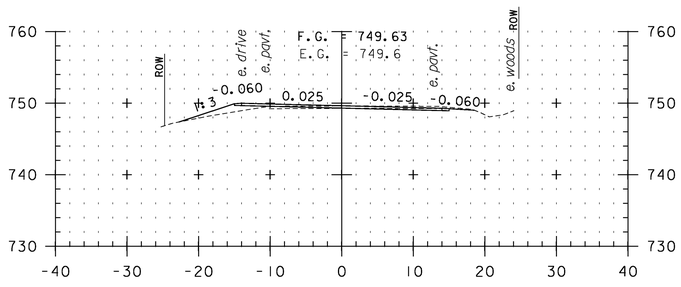
F73+00



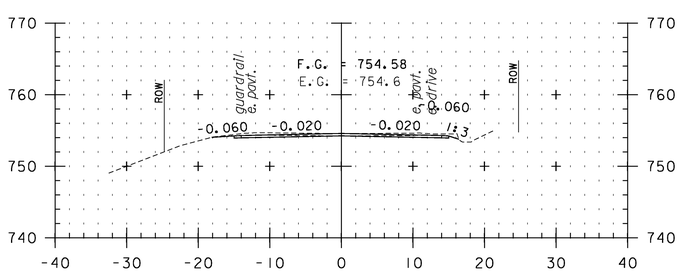
F74+50



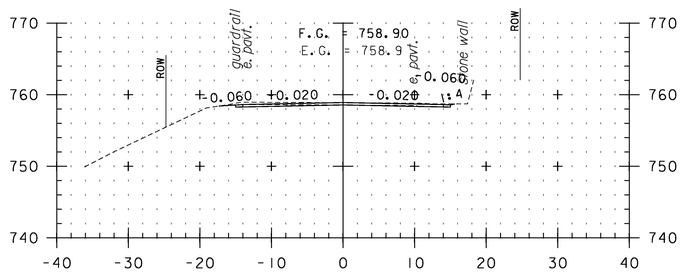
F76+00



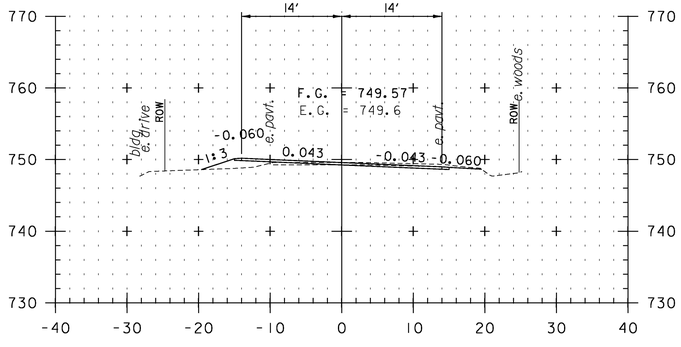
F72+50



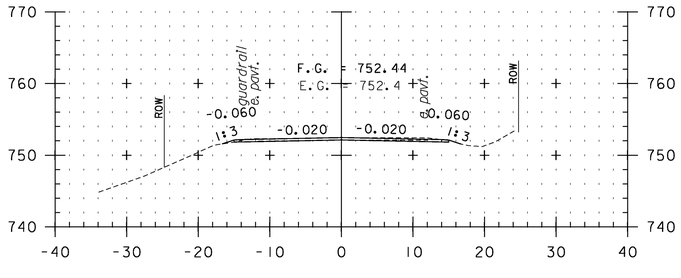
F74+00



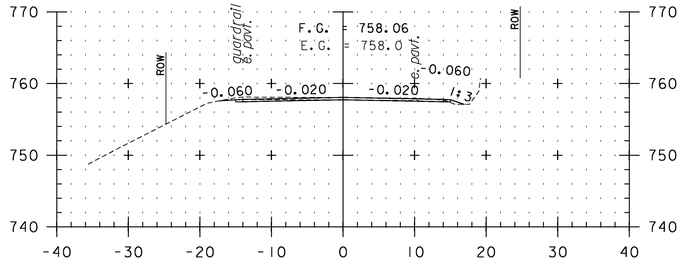
F75+50



F72+00



F73+50



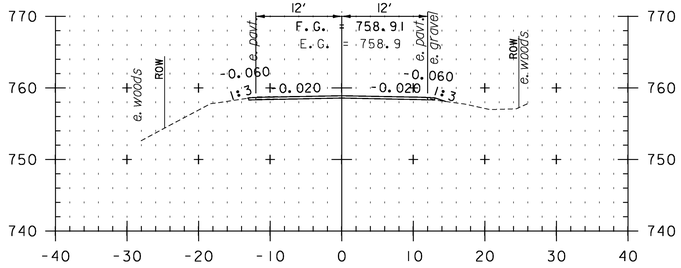
F75+00

CROSS SECTION SHEET 69

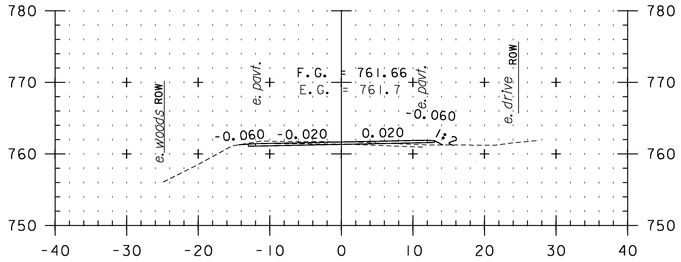
STA. F72+00 TO STA. F76+00

0 10 20
SCALE IN FEET

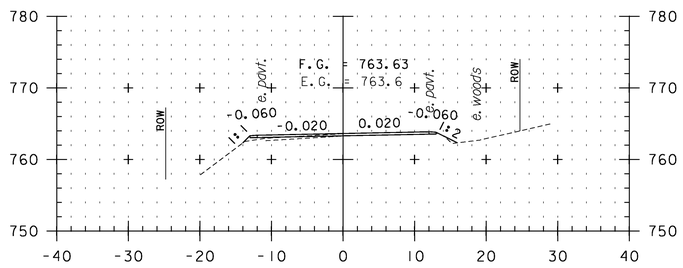
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(I)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_177	SHEET 177 OF 232



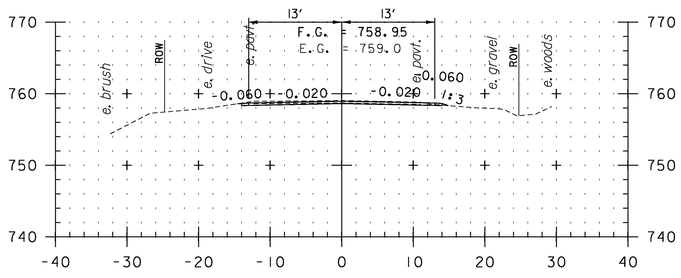
F77+50



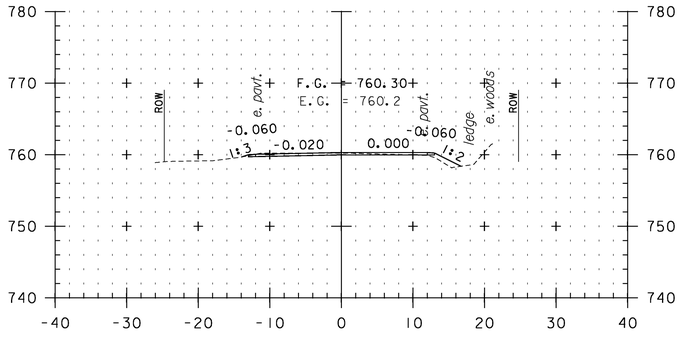
F79+00



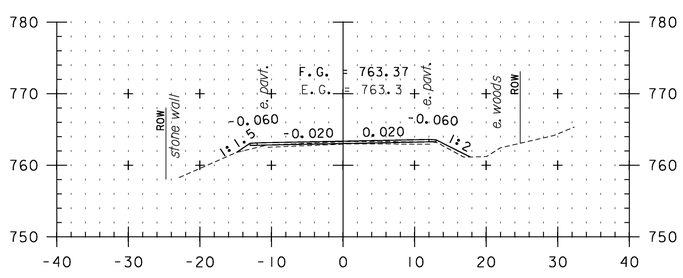
F80+50



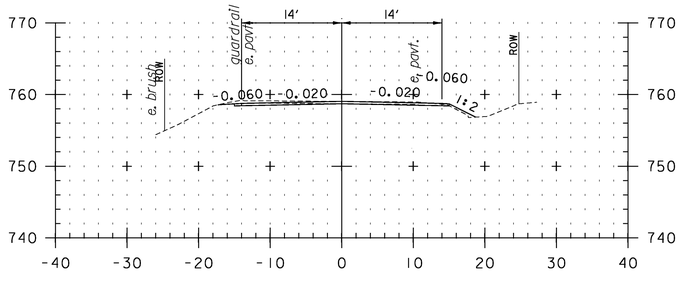
F77+00



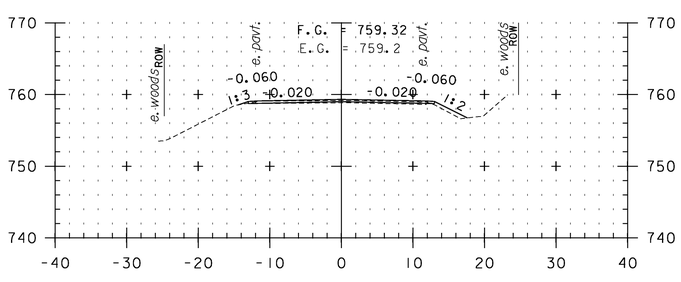
F78+50



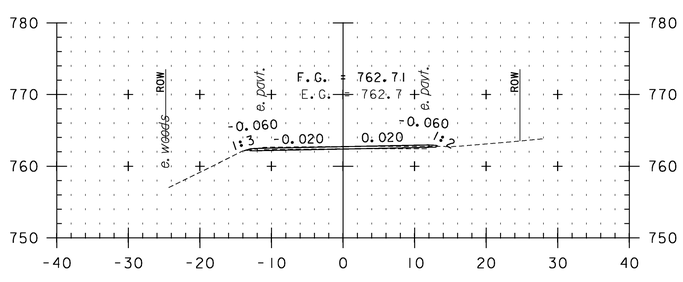
F80+00



F76+50



F78+00



F79+50

CROSS SECTION SHEET 70

STA. F76+50 TO STA. F80+50

0 10 20

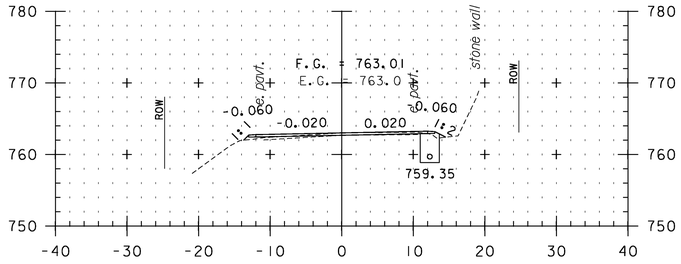
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

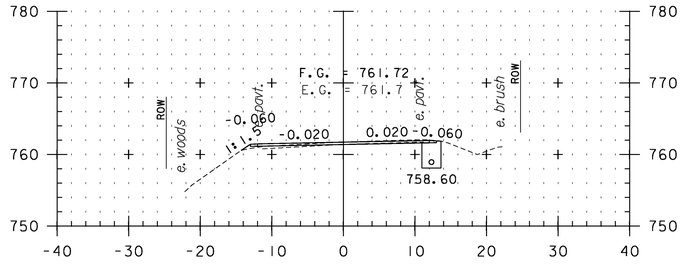
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_178

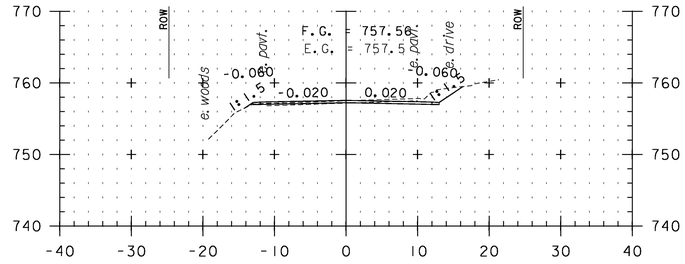
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 178 OF 232



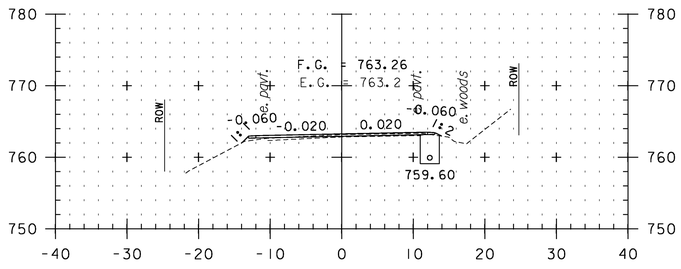
F82+00



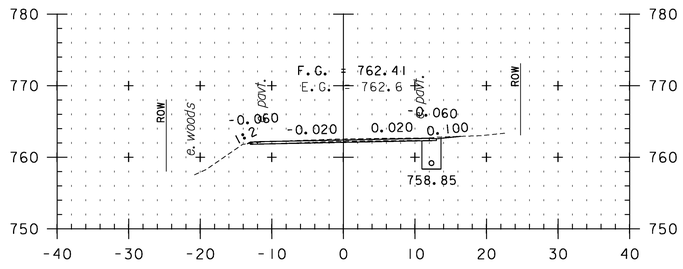
F83+50



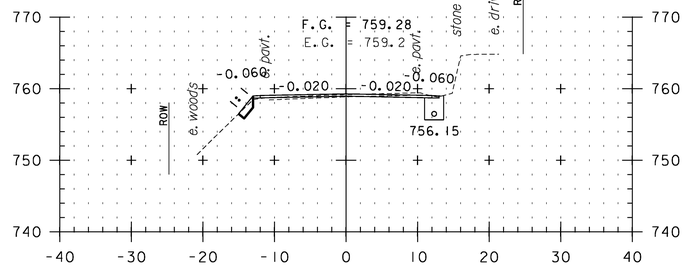
F85+00



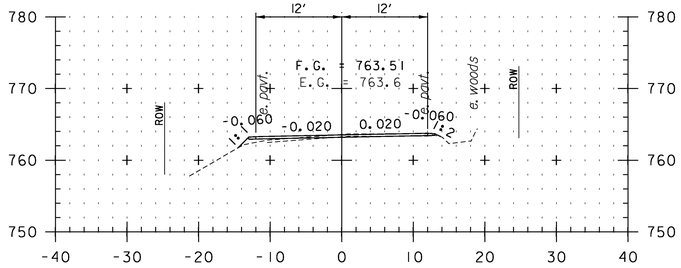
F81+50



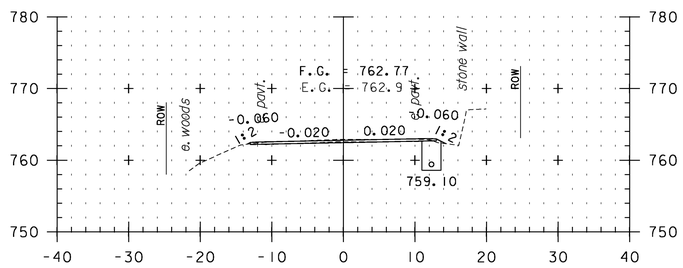
F83+00



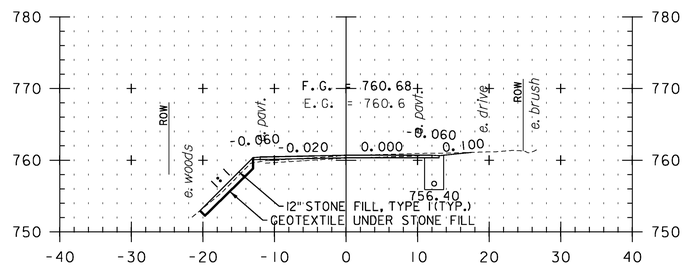
F84+50



F81+00



F82+50



F84+00

CROSS SECTION SHEET 71

STA. F81+00 TO STA. F85+00

0 10 20

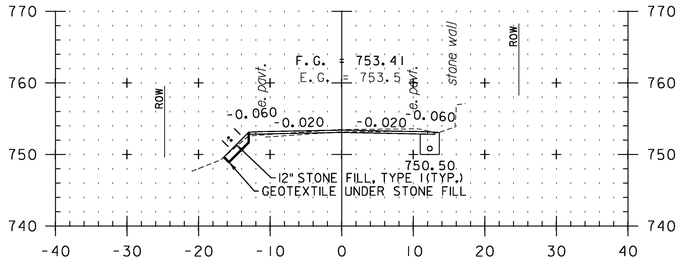
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

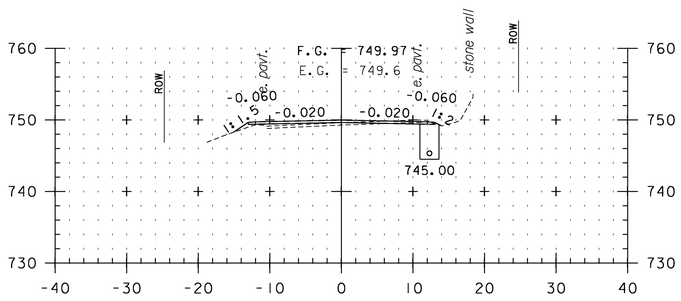
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_179

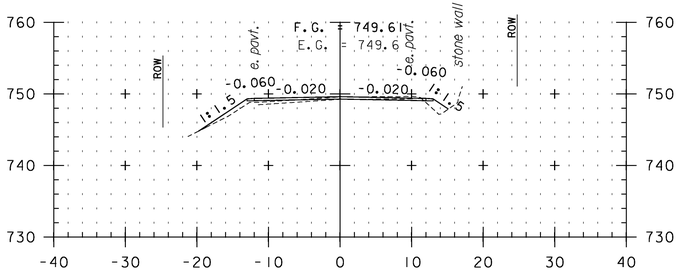
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 179 OF 232



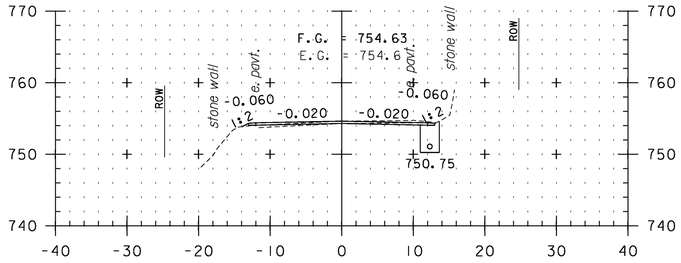
F86+50



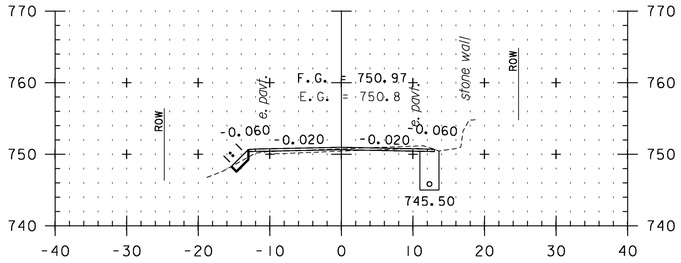
F88+00



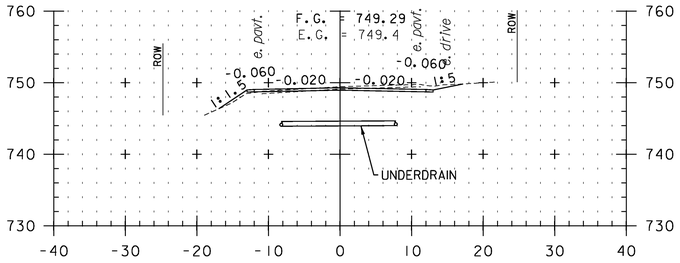
F89+50



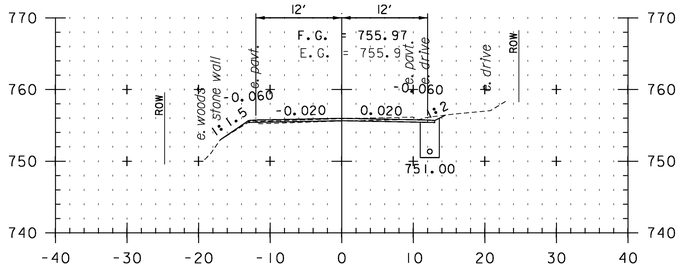
F86+00



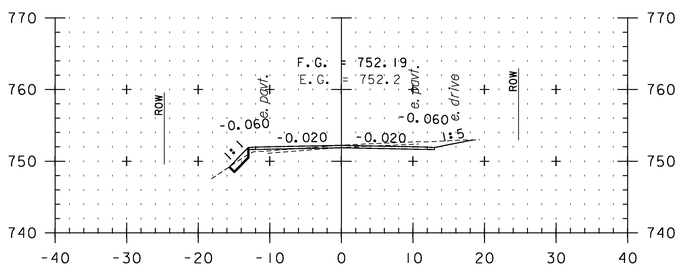
F87+50



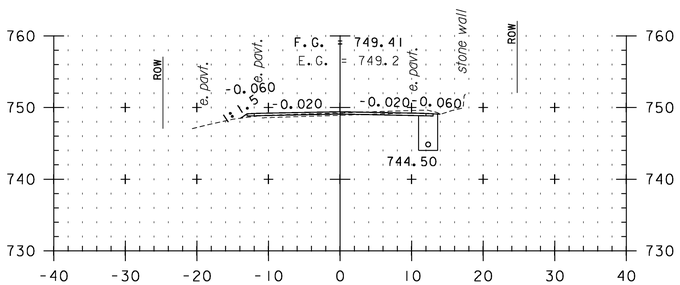
F89+00



F85+50



F87+00



F88+50

CROSS SECTION SHEET 72

STA. F85+50 TO STA. F89+50

0 10 20

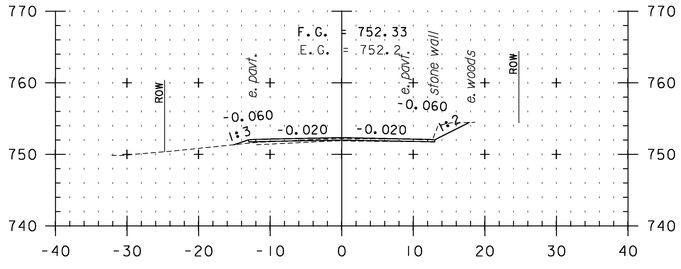
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

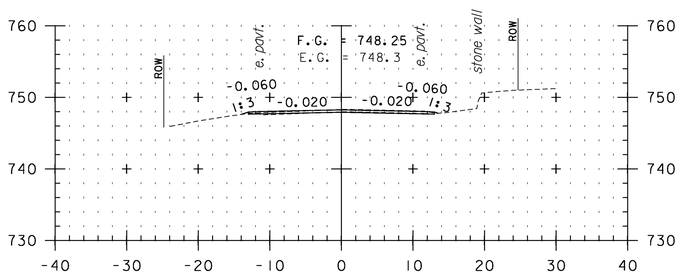
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_180

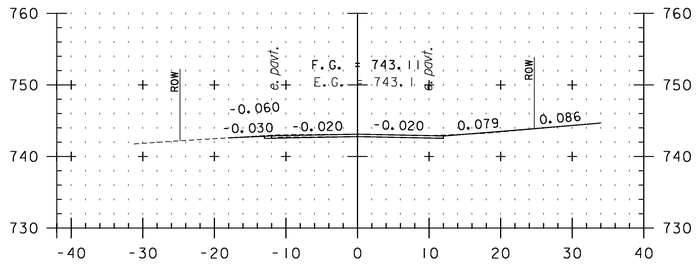
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 180 OF 232



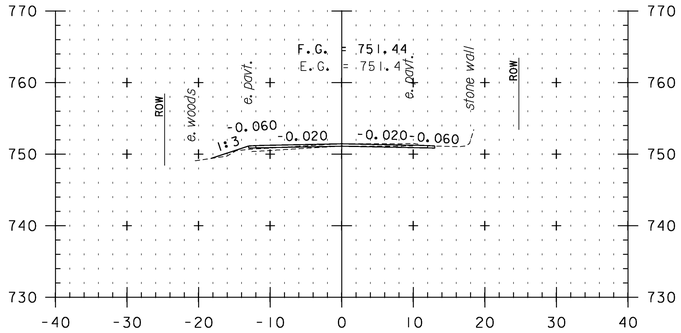
F91+00



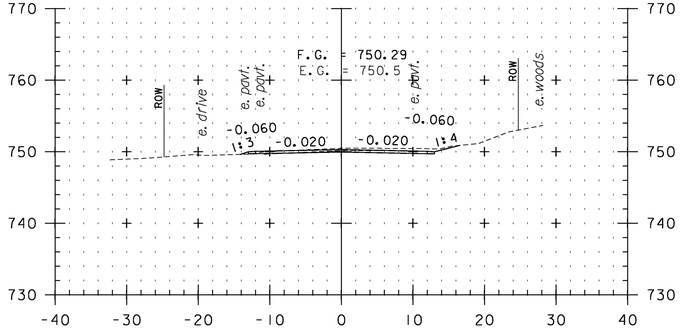
F92+50



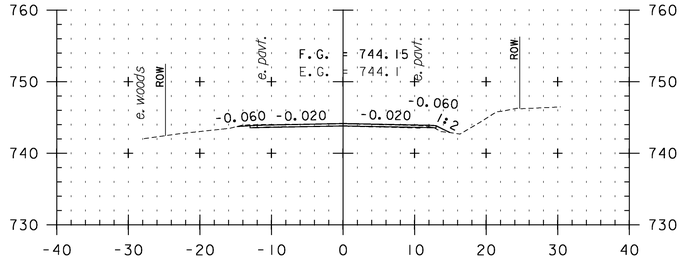
F93+75
TH 30



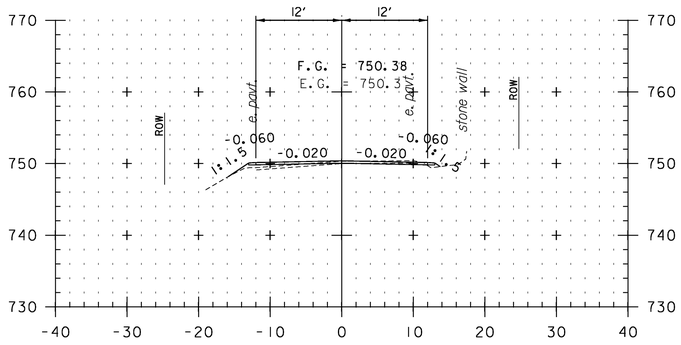
F90+50



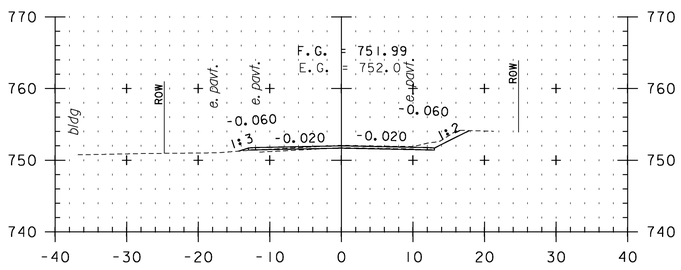
F92+00



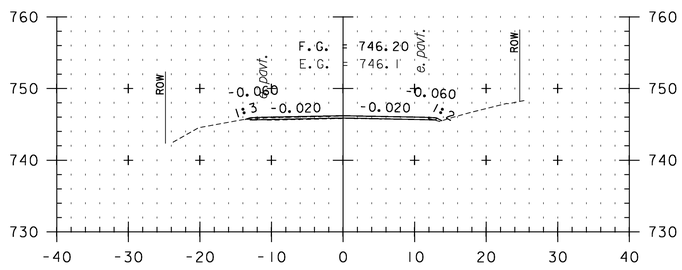
F93+50



F90+00



F91+50



F93+00

CROSS SECTION SHEET 73

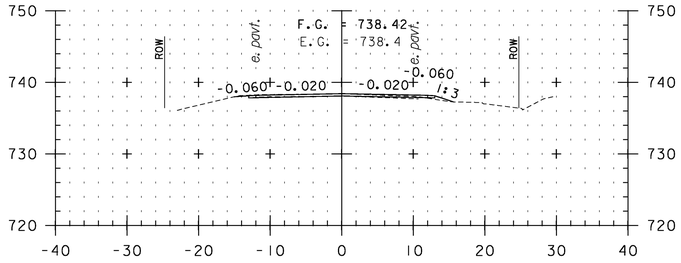
STA. F90+00 TO STA. F93+75

0 10 20
SCALE IN FEET

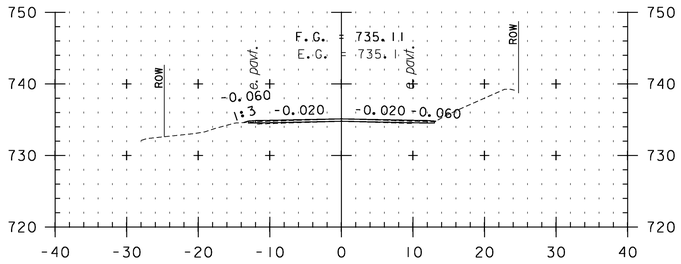
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_181

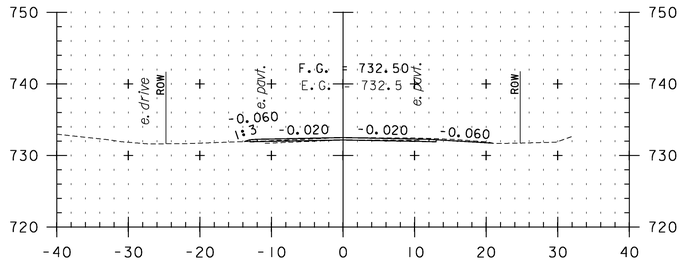
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 181 OF 232



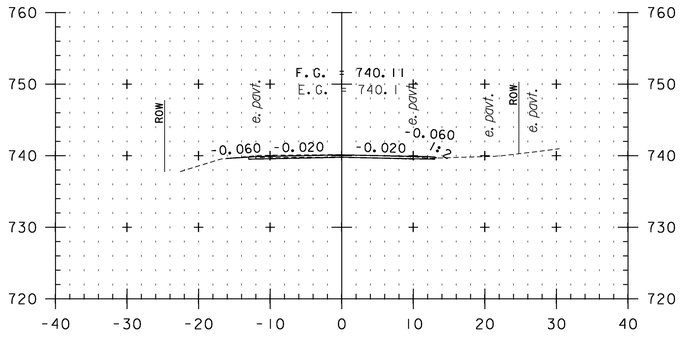
F95+00



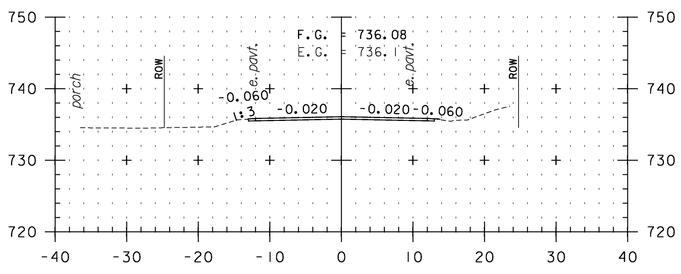
F96+50



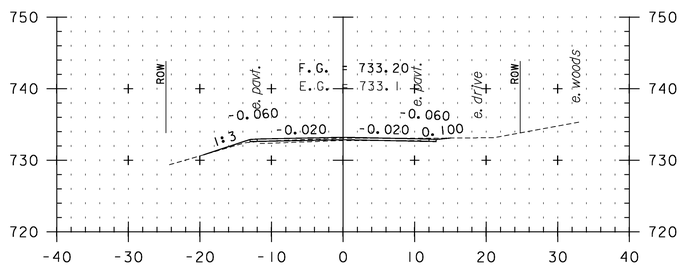
F98+00



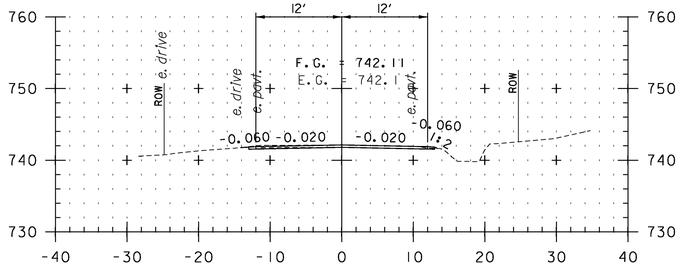
F94+50



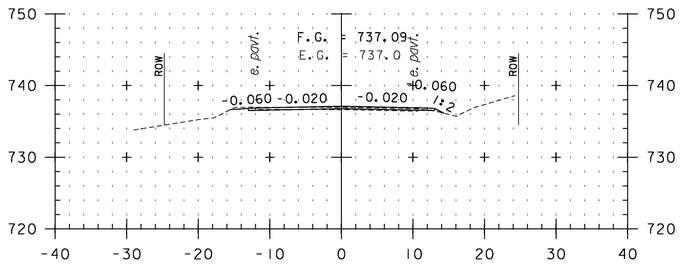
F96+00



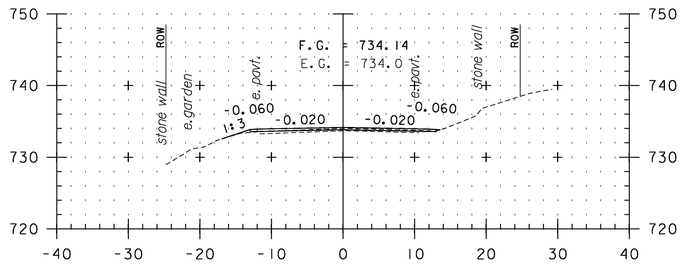
F97+50



F94+00



F95+50



F97+00

CROSS SECTION SHEET 74

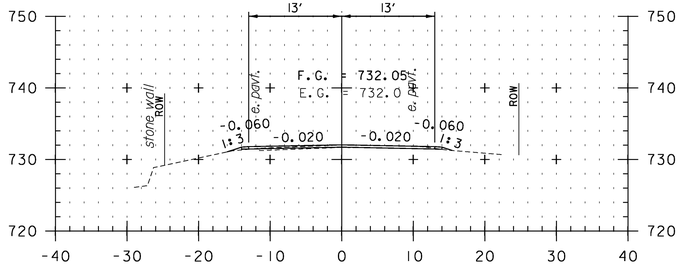
STA. F94+00 TO STA. F98+00

0 10 20
SCALE IN FEET

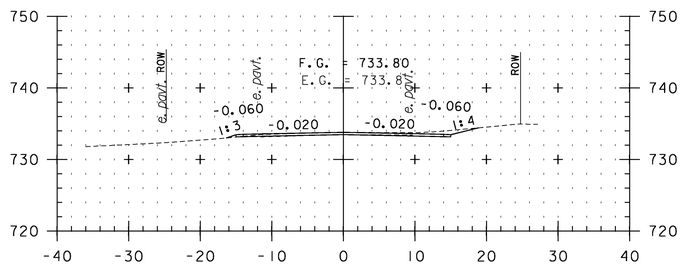
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_182

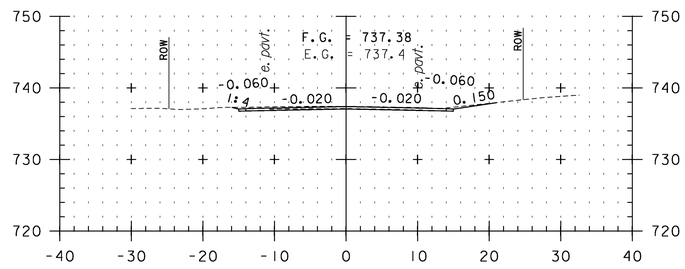
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 182 OF 232



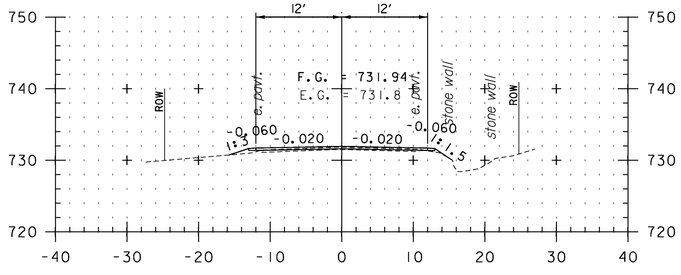
F99+50



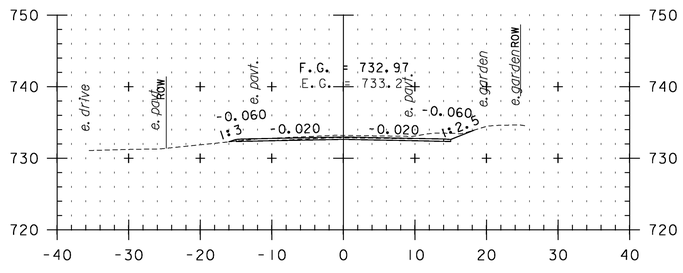
F101+00



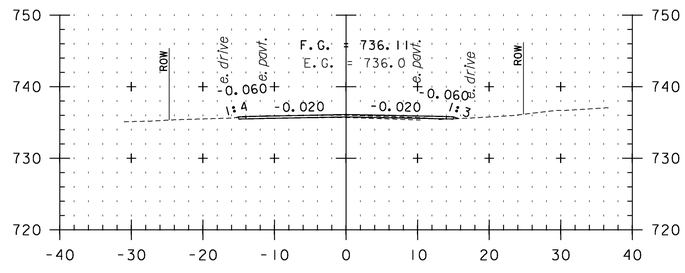
F102+50



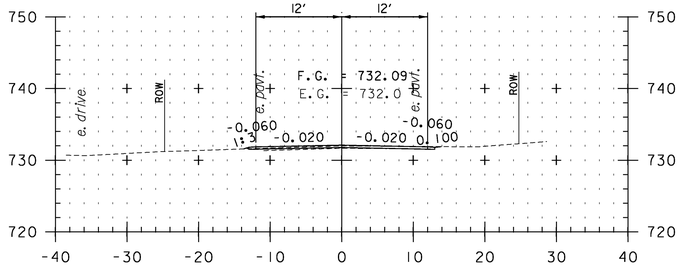
F99+00



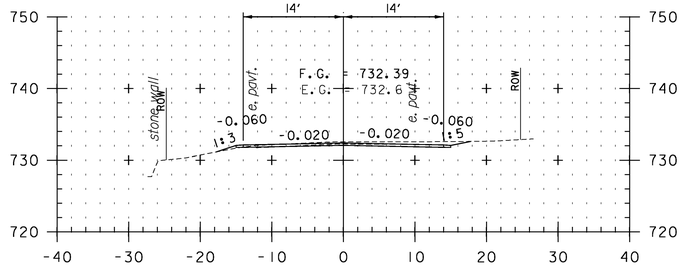
F100+50



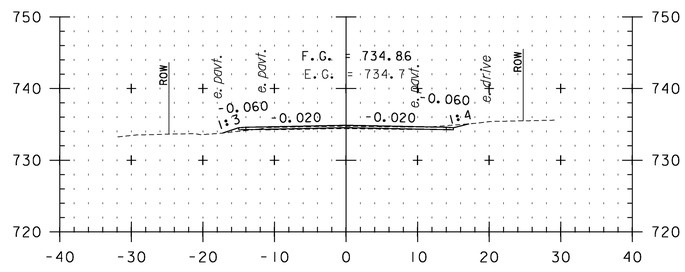
F102+00



F98+50



F100+00



F101+50

CROSS SECTION SHEET 75

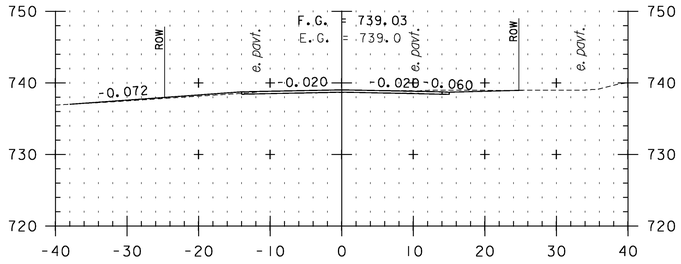
STA. F98+50 TO STA. F102+50

0 10 20
SCALE IN FEET

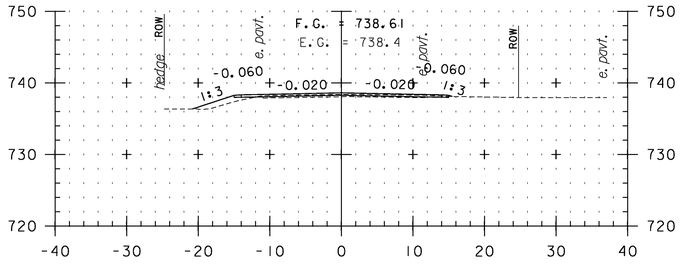
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_183

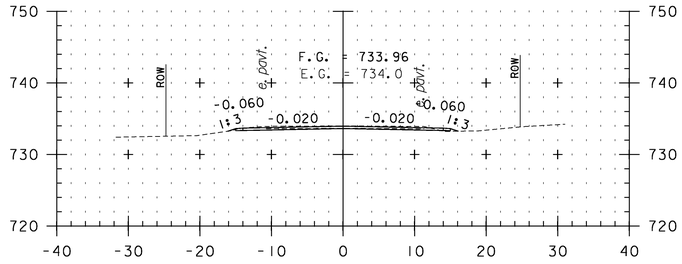
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 183 OF 232



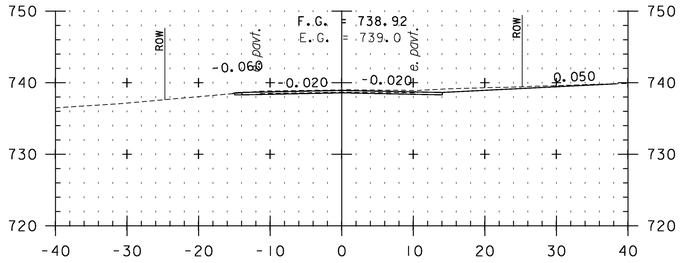
F103+48
TH 28



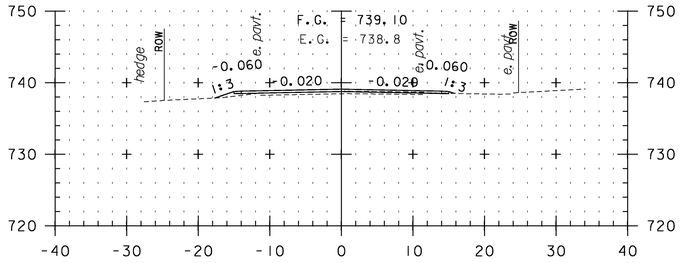
F104+50



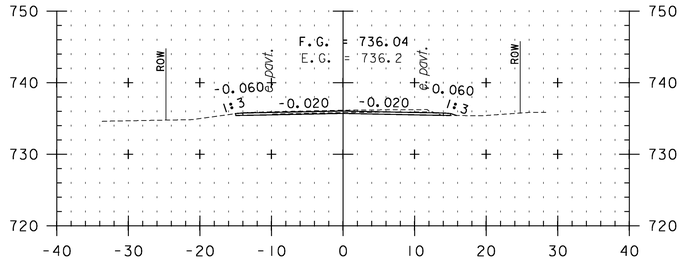
F106+00



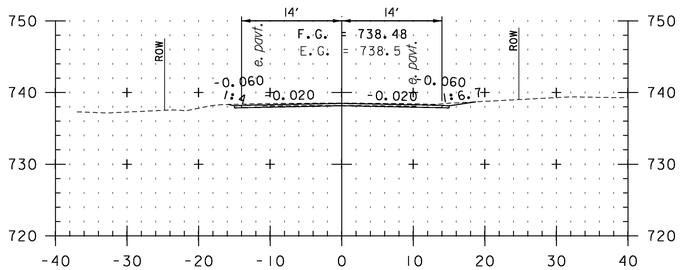
F103+38
TH 3



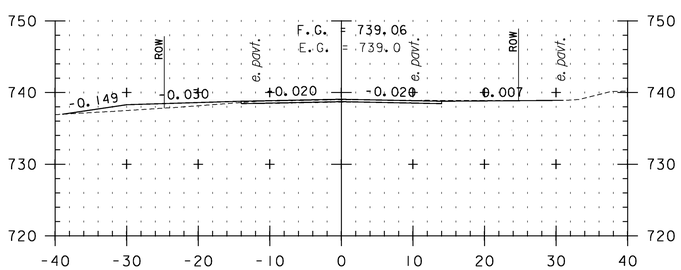
F104+00



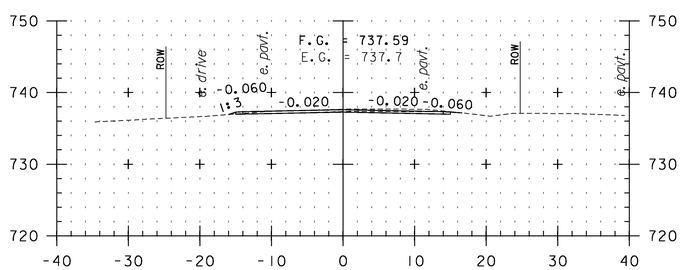
F105+50



F103+00



F103+50



F105+00

CROSS SECTION SHEET 76

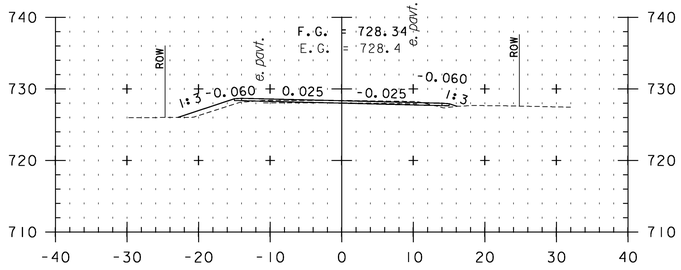
STA. F103+00 TO STA. F106+00

0 10 20
SCALE IN FEET

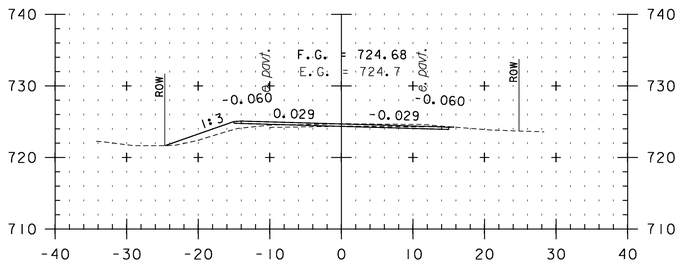
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_184

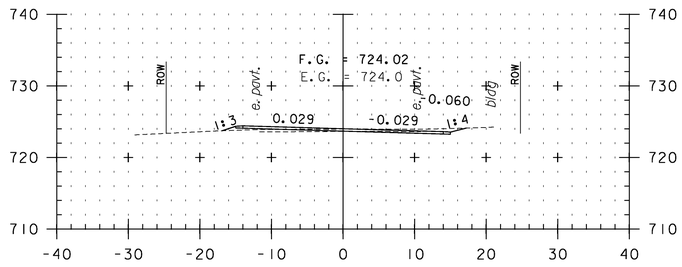
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 184 OF 232



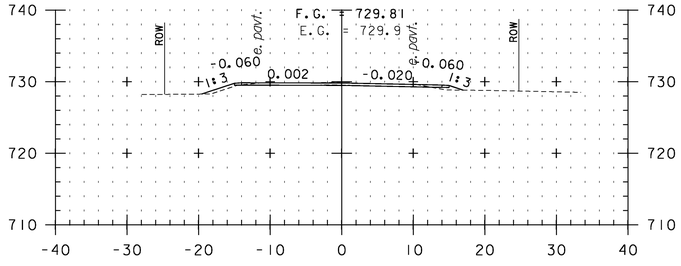
F107+50



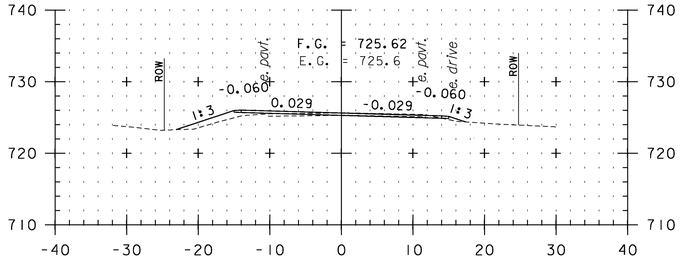
F109+00



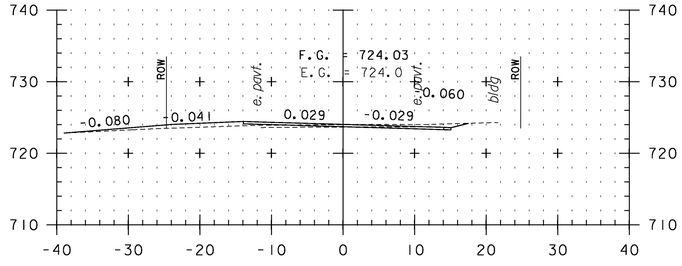
F110+00



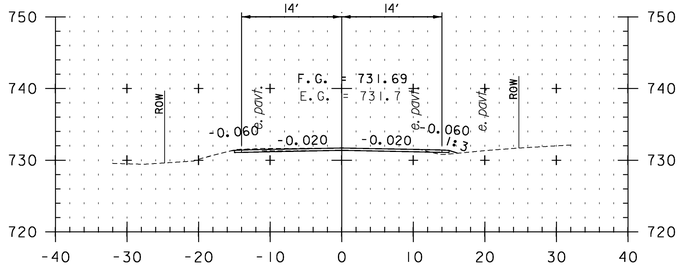
F107+00



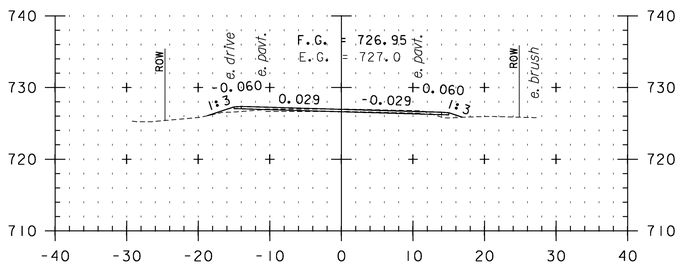
F108+50



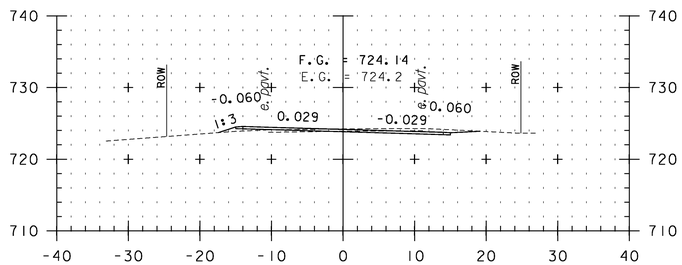
F109+94
SCHOOL DRIVE



F106+50



F108+00



F109+50

CROSS SECTION SHEET 77

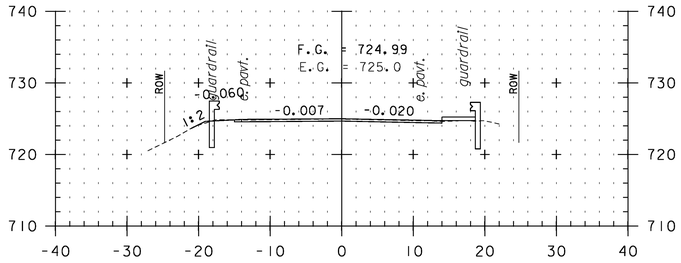
STA. F106+50 TO STA. F110+00

0 10 20
SCALE IN FEET

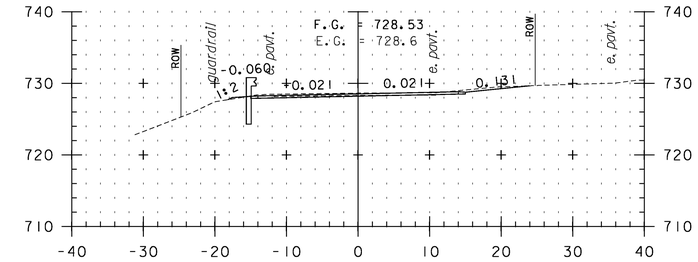
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_185

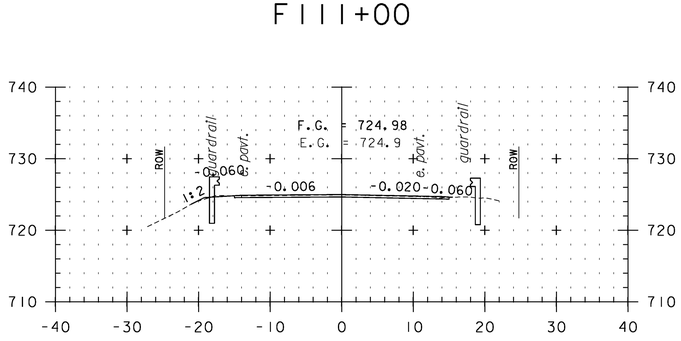
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 185 OF 232



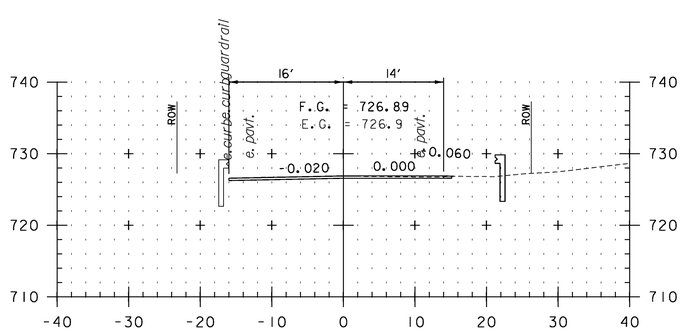
F111+00



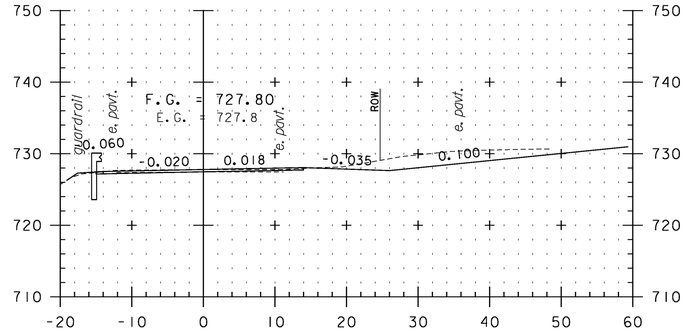
F112+50



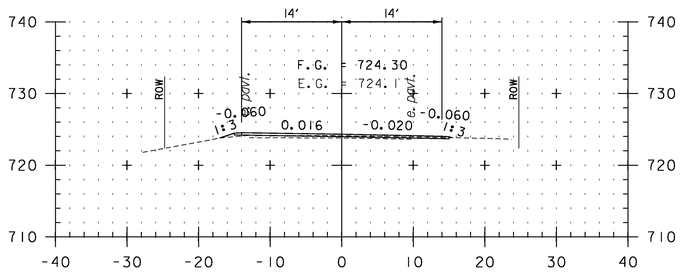
F110+99
BEGIN BRIDGE 23 APPROACH



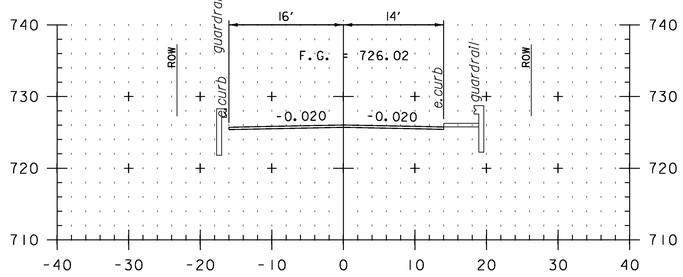
F111+90
END BRIDGE 23 APPROACH



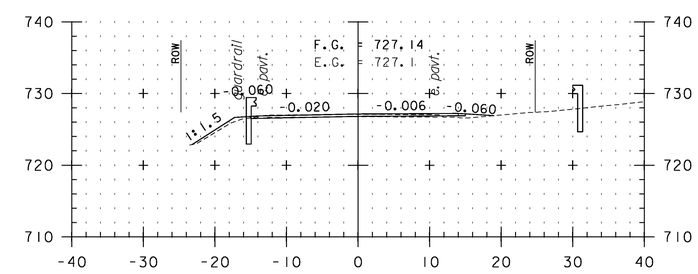
F112+25
TH 29



F110+50



F111+50



F112+00

CROSS SECTION SHEET 78

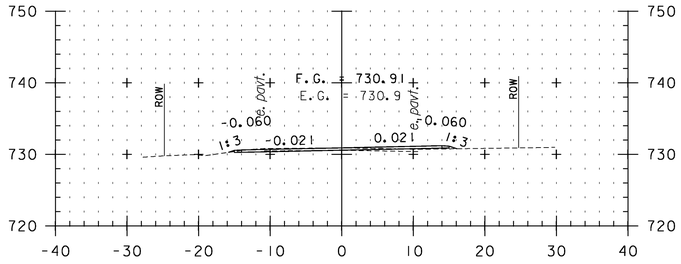
STA. F110+50 TO STA. F112+50

0 10 20
SCALE IN FEET

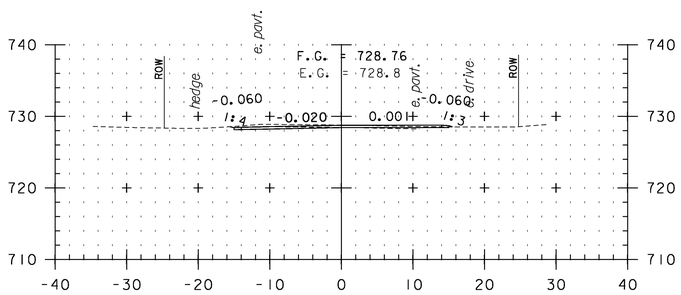
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_186

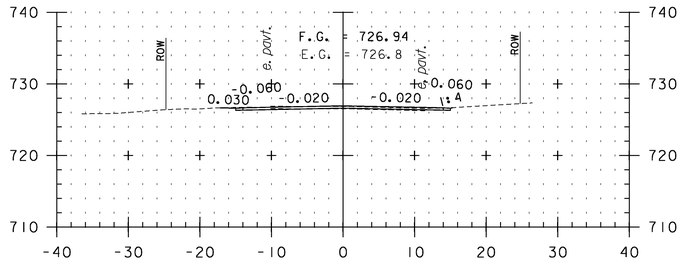
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 186 OF 232



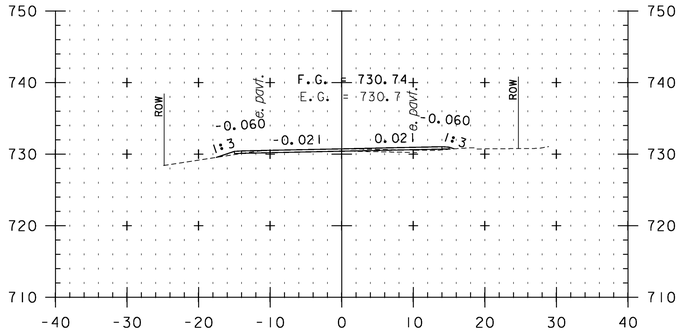
F 114+00



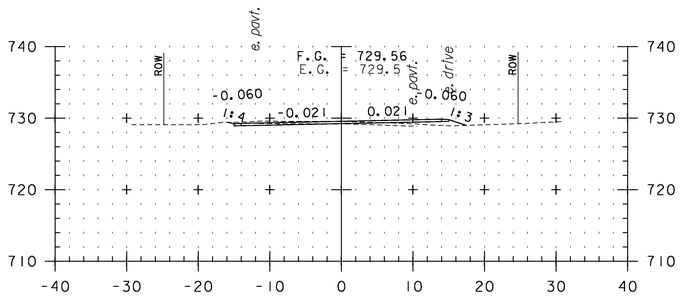
F 115+50



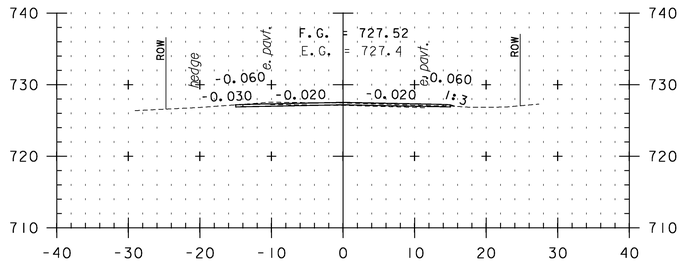
F 117+00



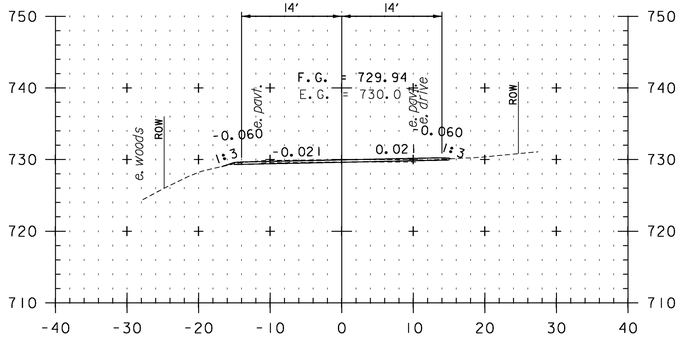
F 113+50



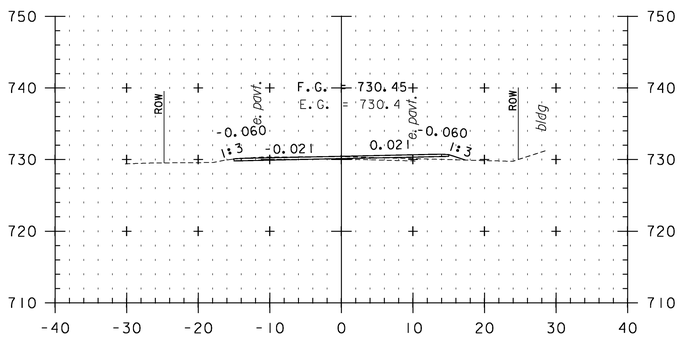
F 115+00



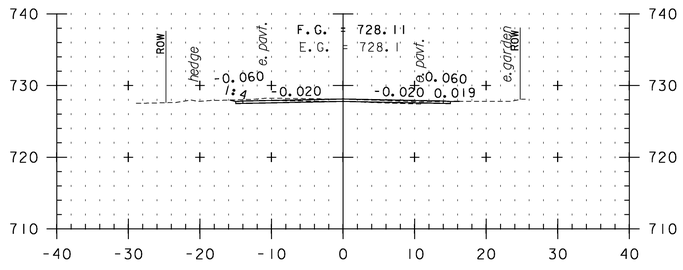
F 116+50



F 113+00



F 114+50



F 116+00

STA. F113+00 TO STA. F117+00

0 10 20

SCALE IN FEET

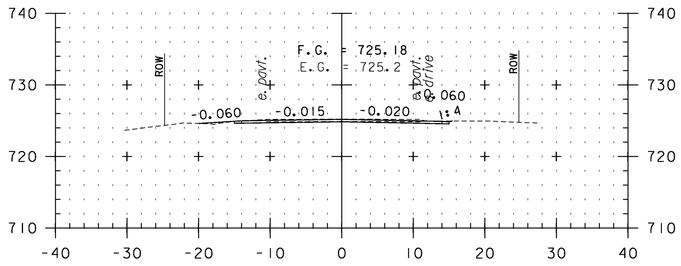
CROSS SECTION SHEET 79

PROJECT NAME: VERSHIRE-THETFORD

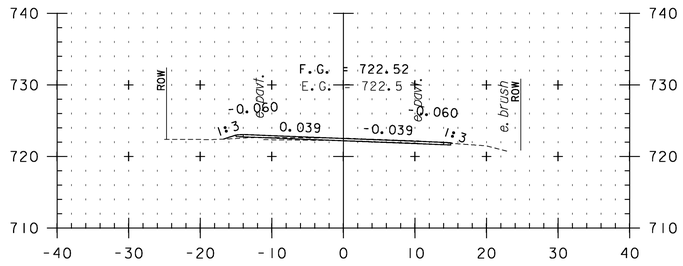
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_187

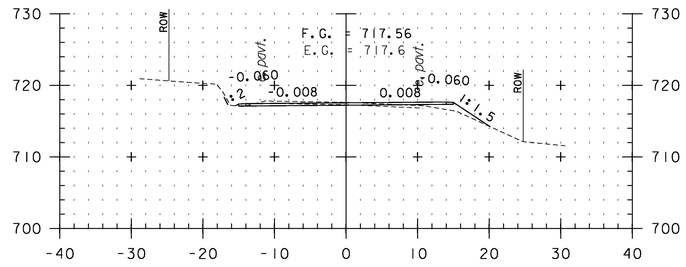
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 187 OF 232



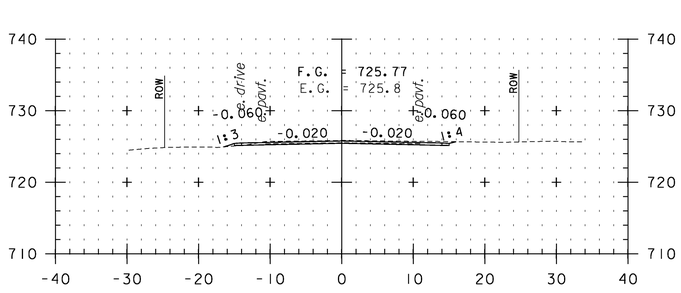
F 118+50



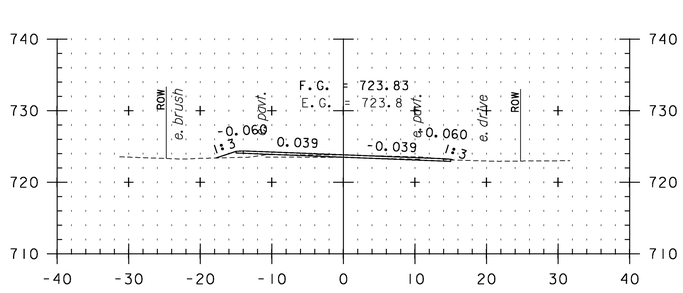
F 120+00



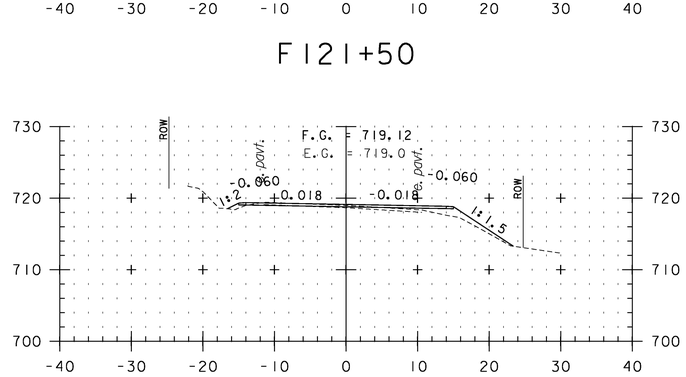
F 121+50



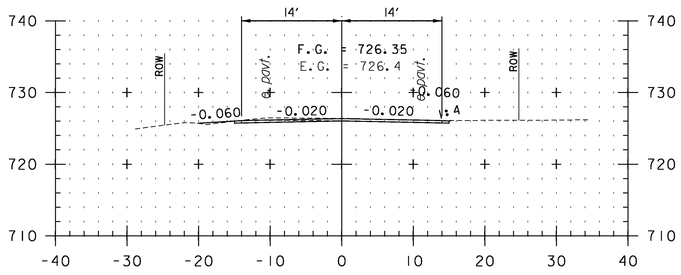
F 118+00



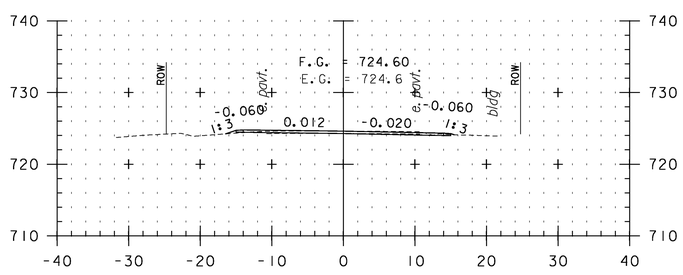
F 119+50



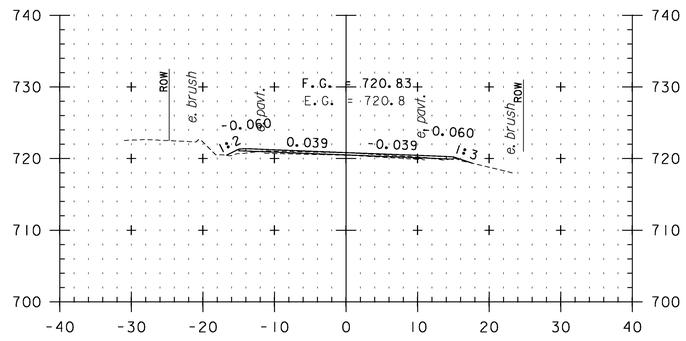
F 121+00



F 117+50



F 119+00



F 120+50

CROSS SECTION SHEET 80

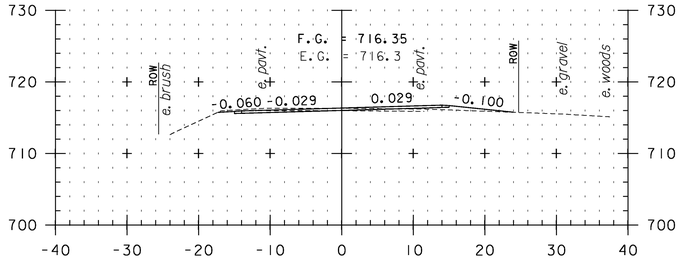
STA. F117+50 TO STA. F121+50

0 10 20
SCALE IN FEET

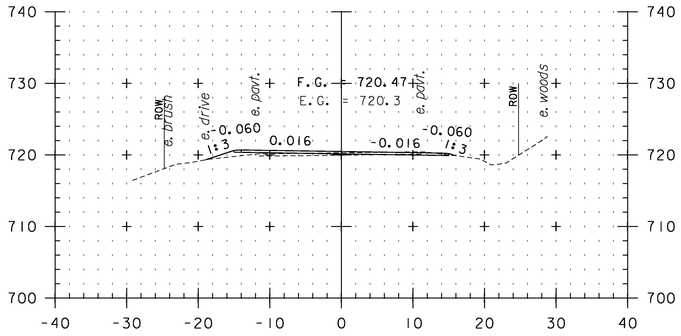
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_188

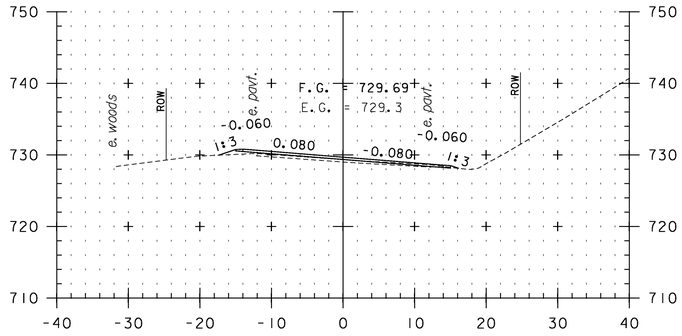
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 188 OF 232



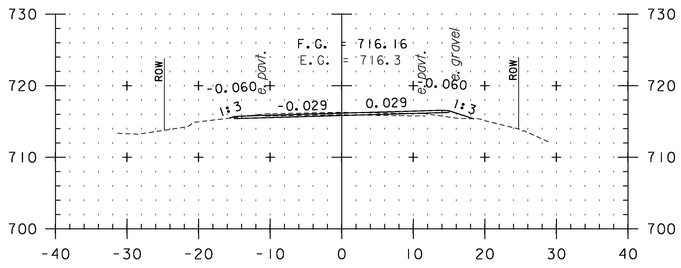
F123+00



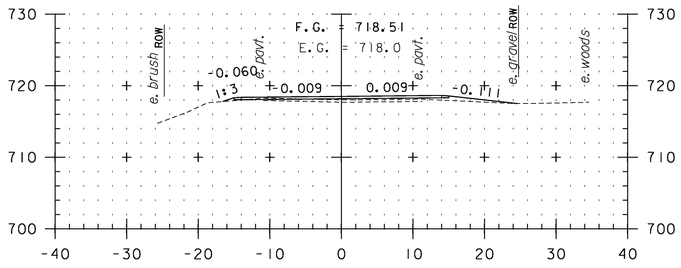
F124+50



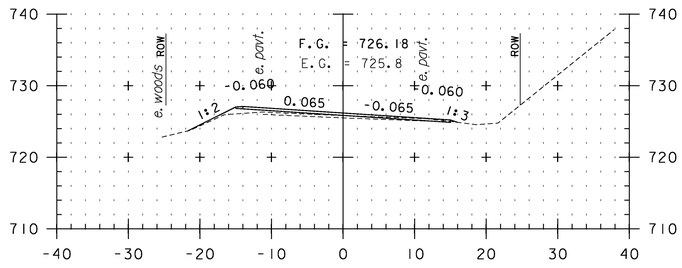
F126+00



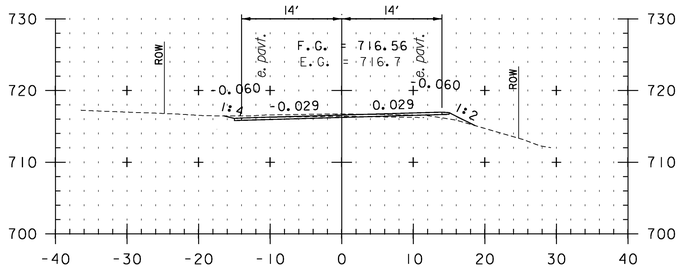
F122+50



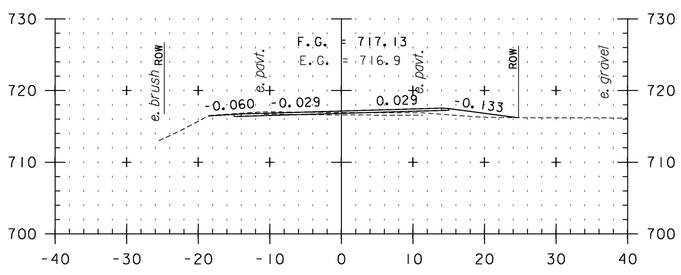
F124+00



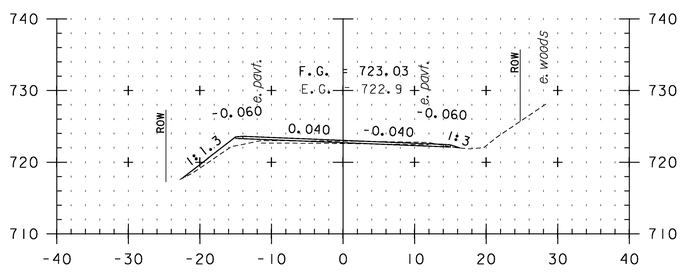
F125+50



F122+00



F123+50



F125+00

CROSS SECTION SHEET 81

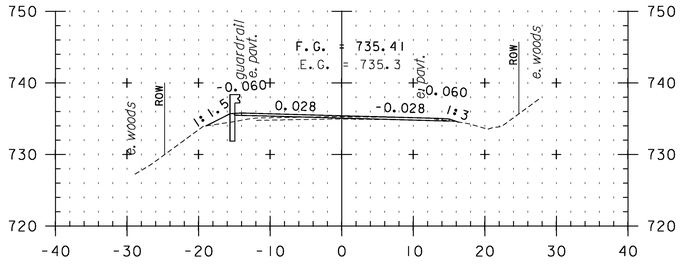
STA. F122+00 TO STA. F126+00

0 10 20
SCALE IN FEET

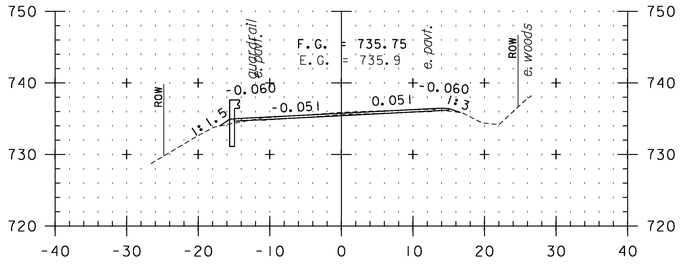
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_189

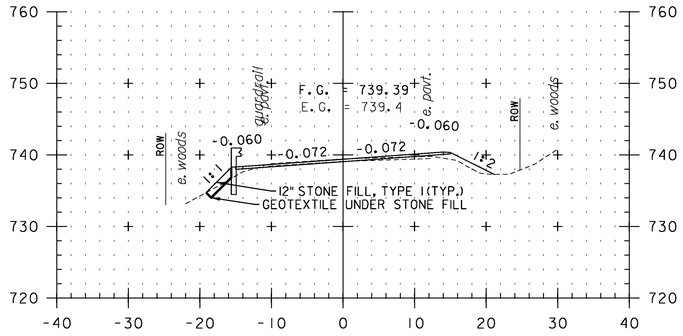
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 189 OF 232



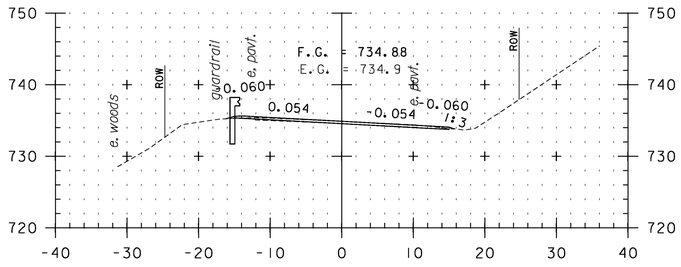
F127+50



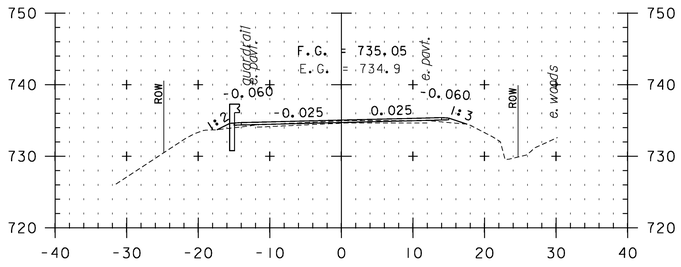
F129+00



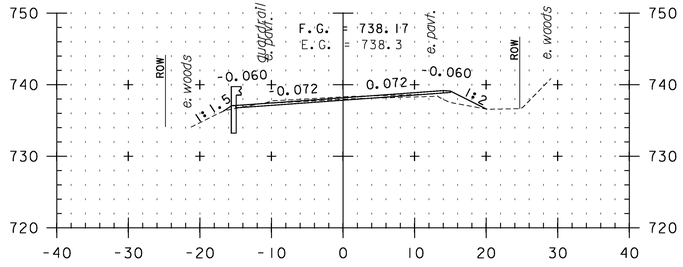
F130+50



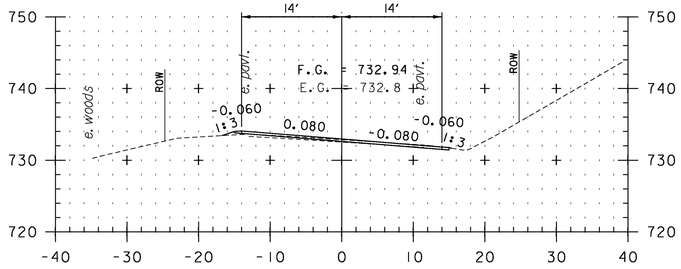
F127+00



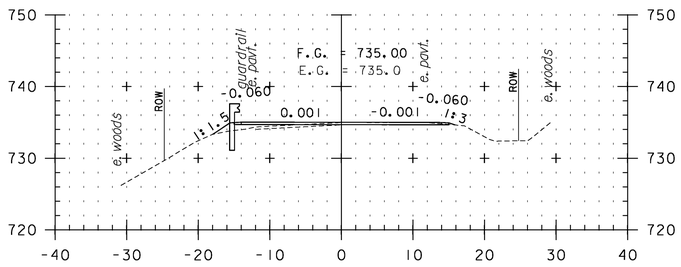
F128+50



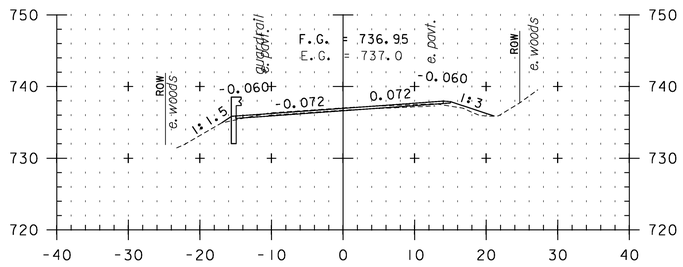
F130+00



F126+50



F128+00



F129+50

CROSS SECTION SHEET 82

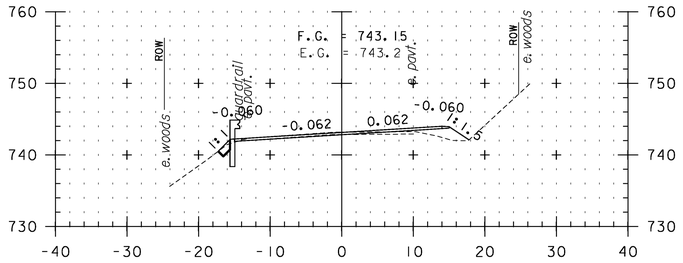
STA. F126+50 TO STA. F130+50

0 10 20
SCALE IN FEET

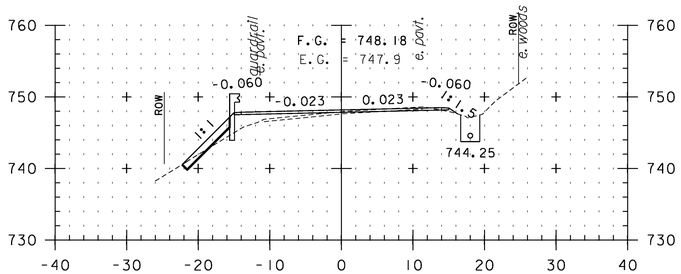
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_190

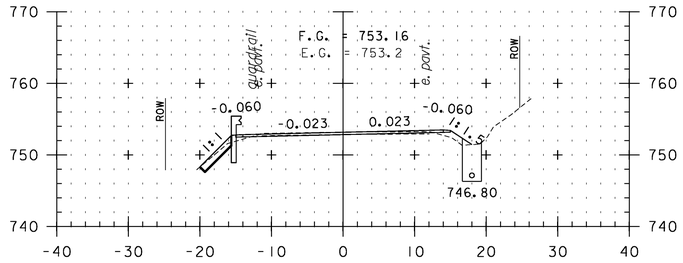
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 190 OF 232



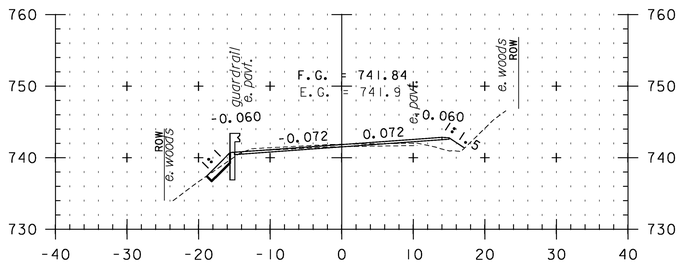
F132+00



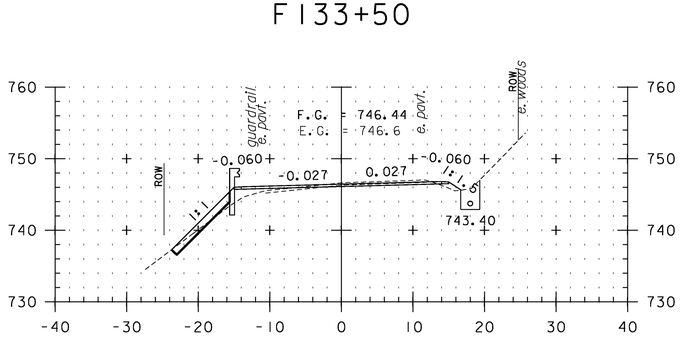
F133+50



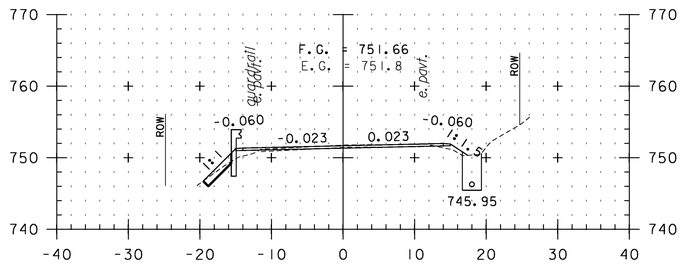
F135+00



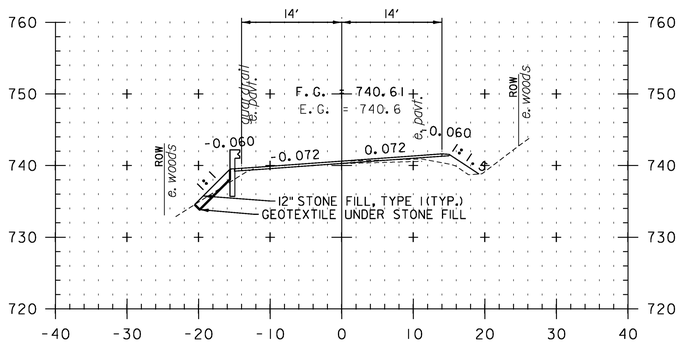
F131+50



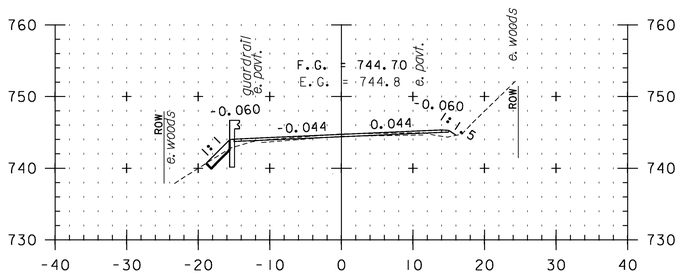
F133+00



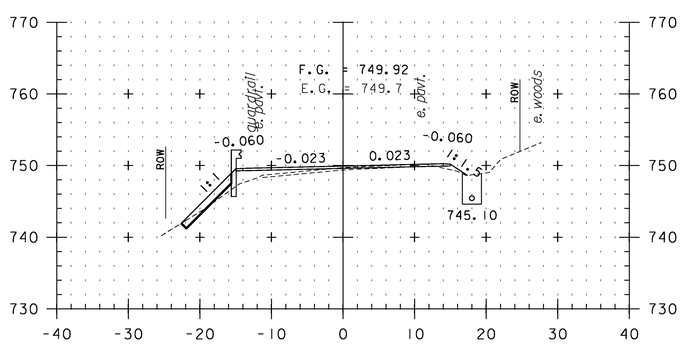
F134+50



F131+00



F132+50



F134+00

CROSS SECTION SHEET 83

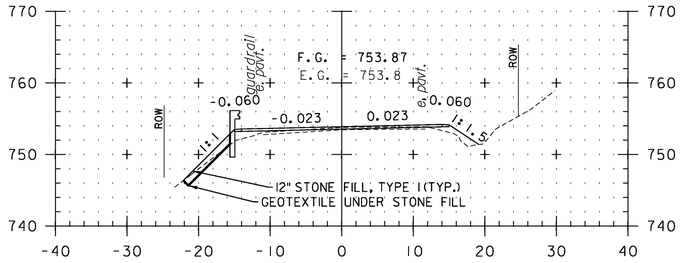
STA. F131+00 TO STA. F135+00

0 10 20
SCALE IN FEET

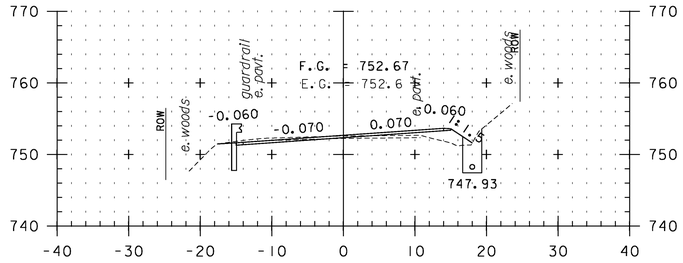
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_191

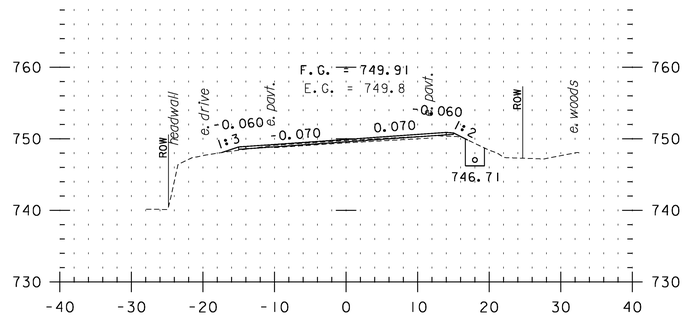
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 191 OF 232



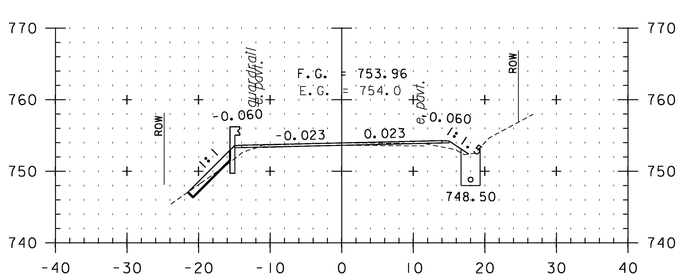
F136+50



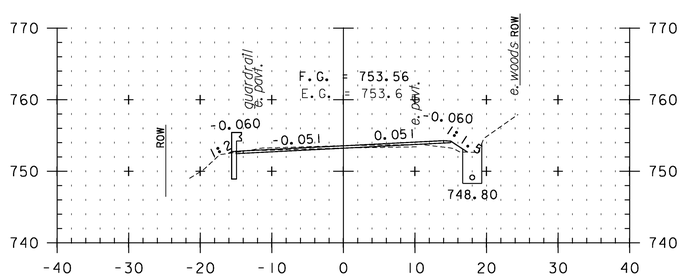
F138+00



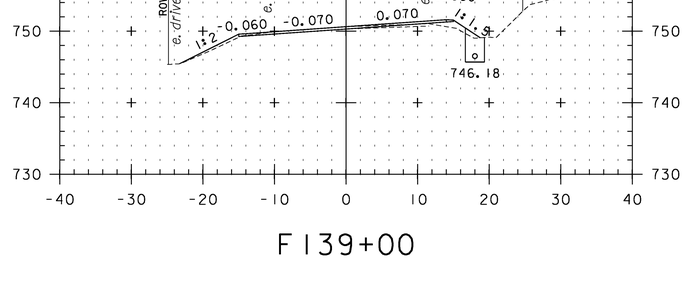
F139+50



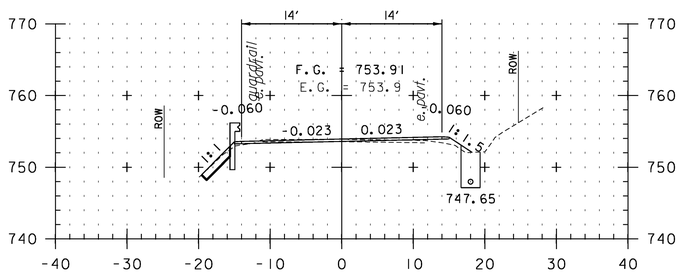
F136+00



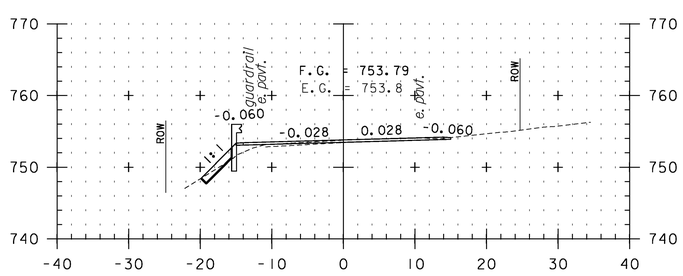
F137+50



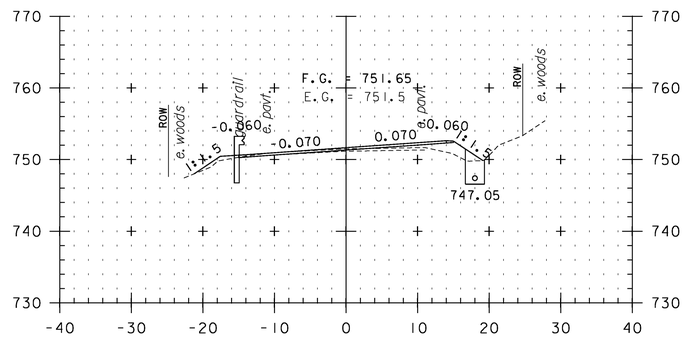
F139+00



F135+50



F137+00



F138+50

CROSS SECTION SHEET 84

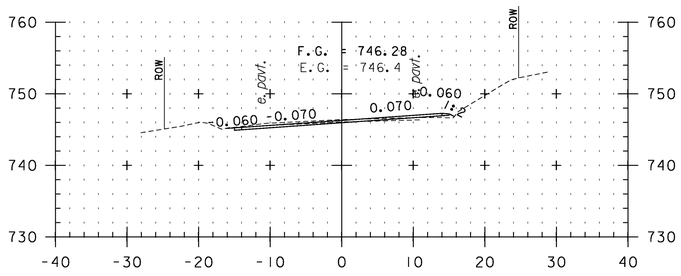
STA. F135+50 TO STA. F139+50

0 10 20
SCALE IN FEET

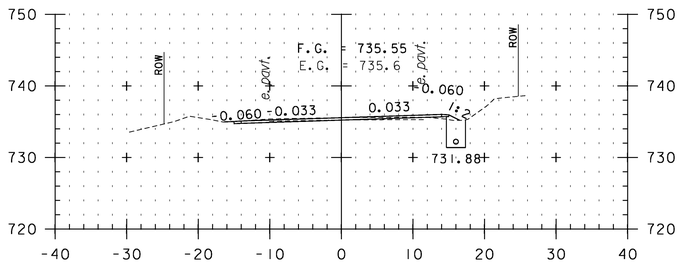
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: I0C224_192

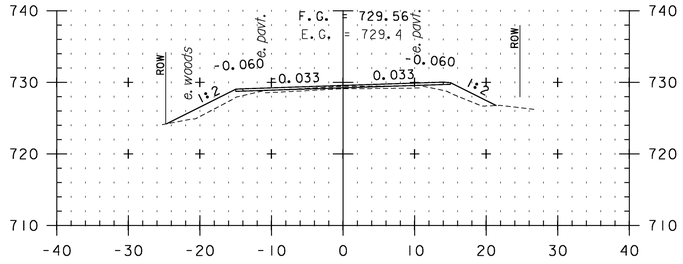
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 192 OF 232



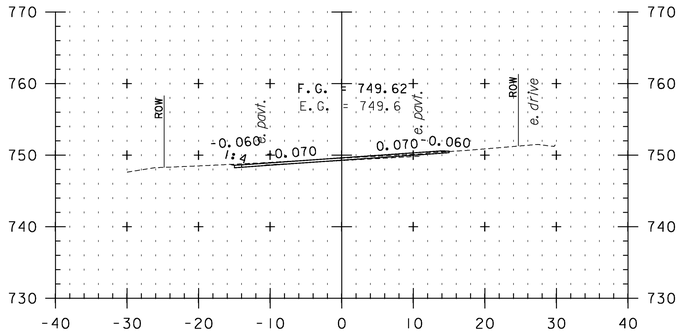
F 141+00



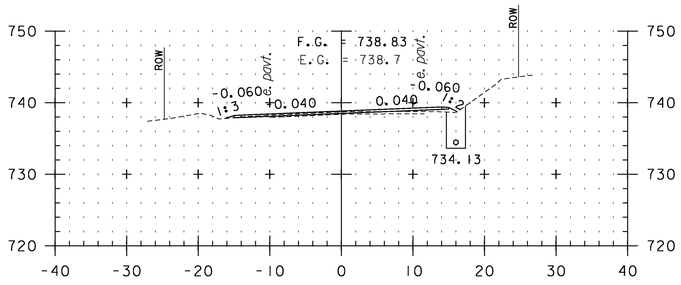
F 142+50



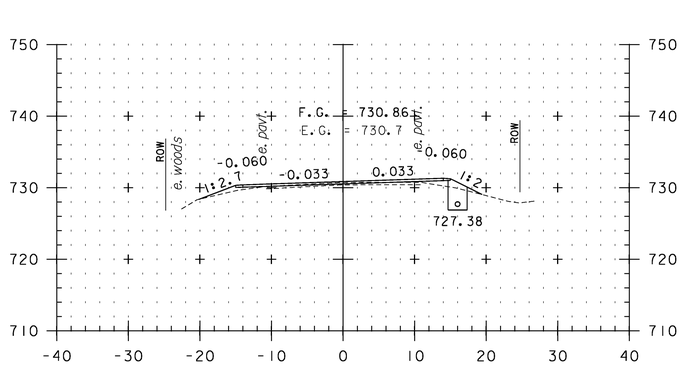
F 144+00



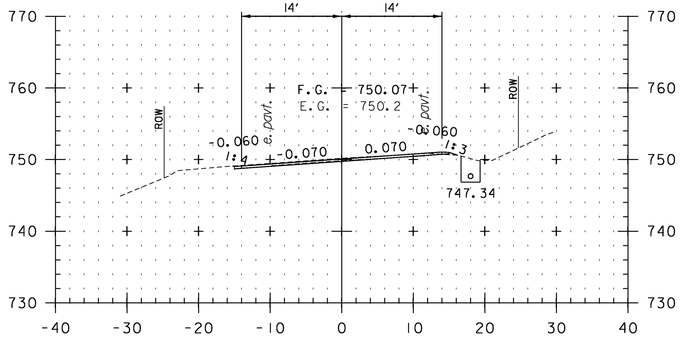
F 140+50



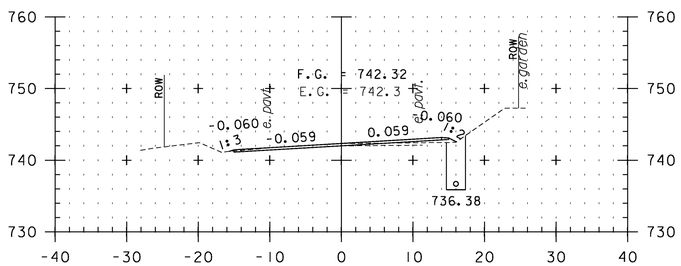
F 142+00



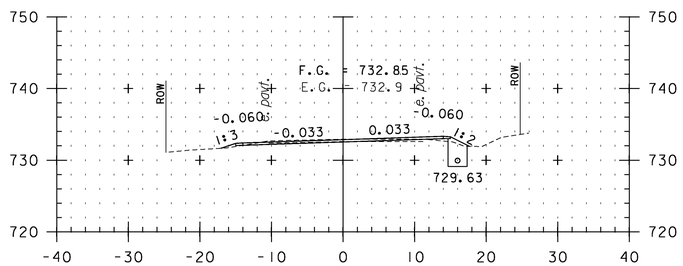
F 143+50



F 140+00



F 141+50



F 143+00

CROSS SECTION SHEET 85

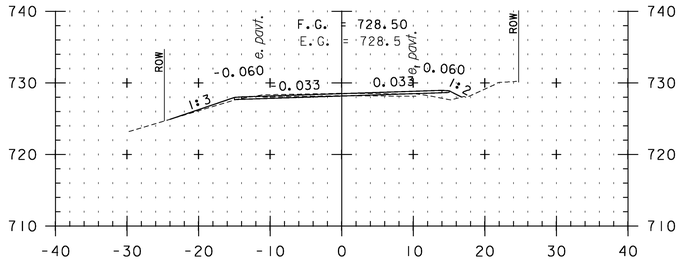
STA. F140+00 TO STA. F144+00

0 10 20
SCALE IN FEET

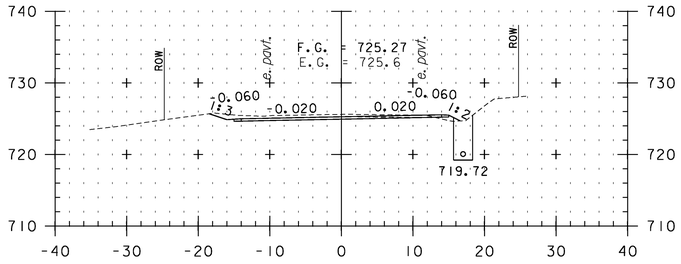
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_193

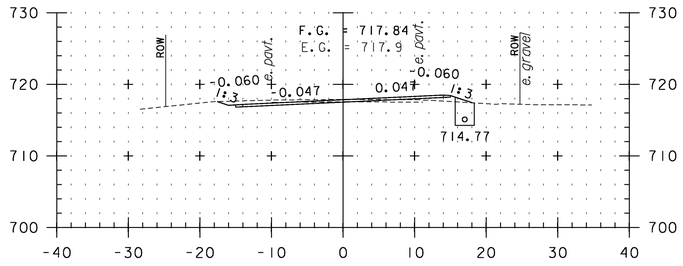
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 193 OF 232



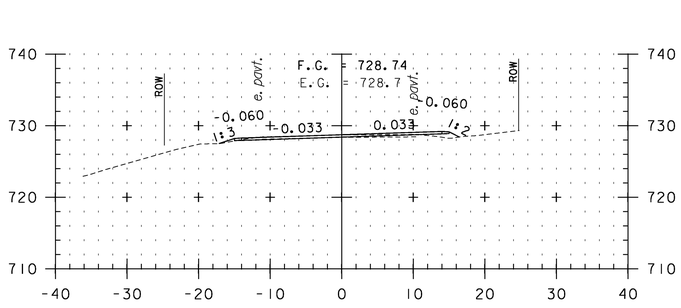
F145+50



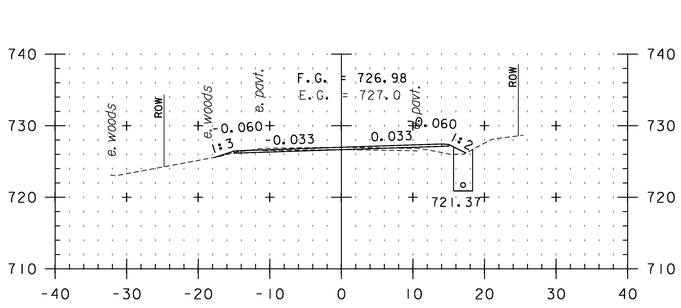
F147+00



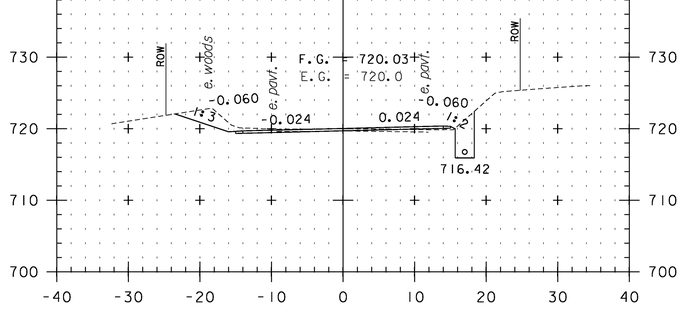
F148+50



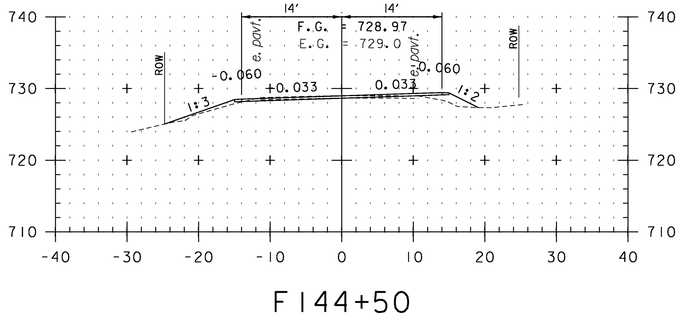
F145+00



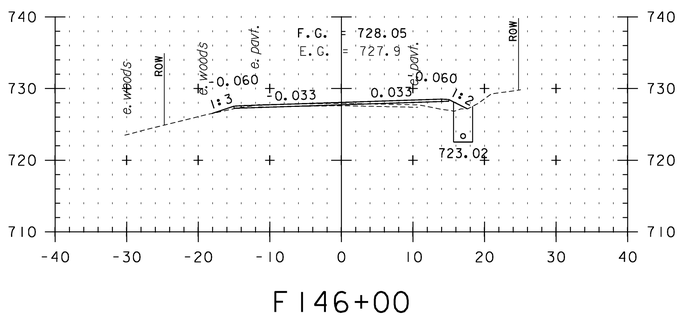
F146+50



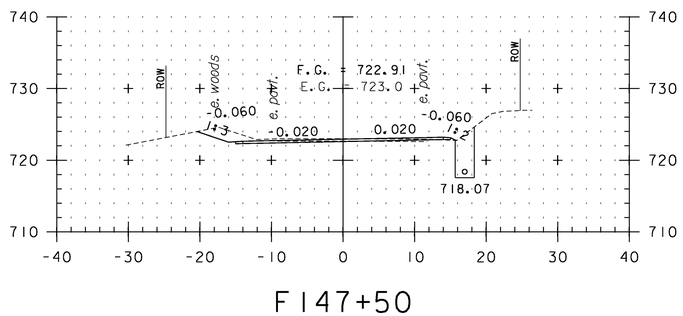
F148+00



F144+50



F146+00



F147+50

CROSS SECTION SHEET 86

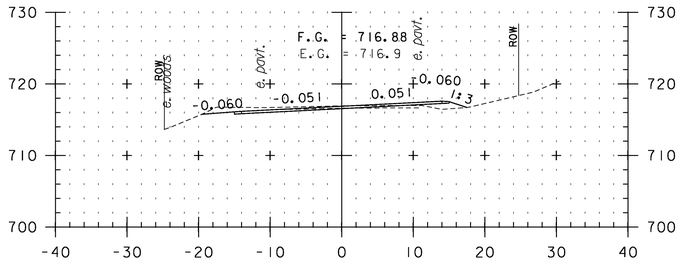
STA. F144+50 TO STA. F148+50

0 10 20
SCALE IN FEET

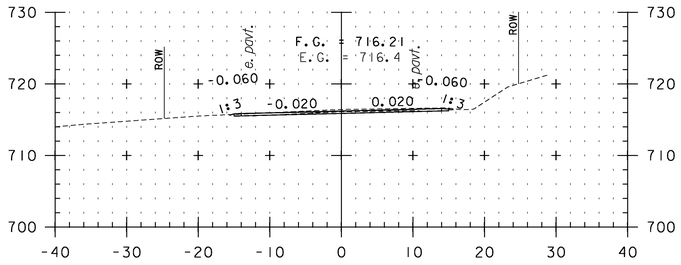
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(I)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_194

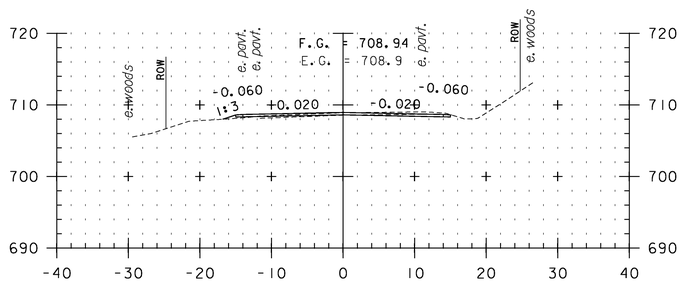
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 194 OF 232



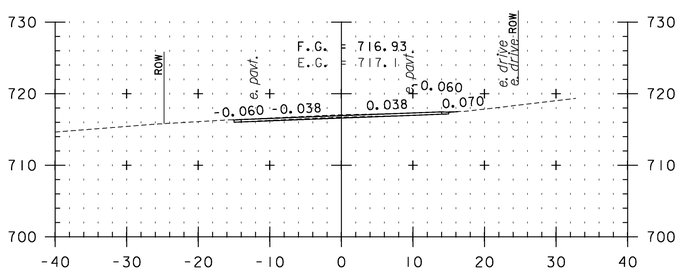
T0+50



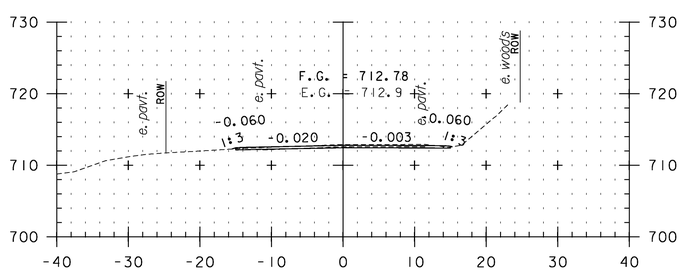
T1+83
TH 1



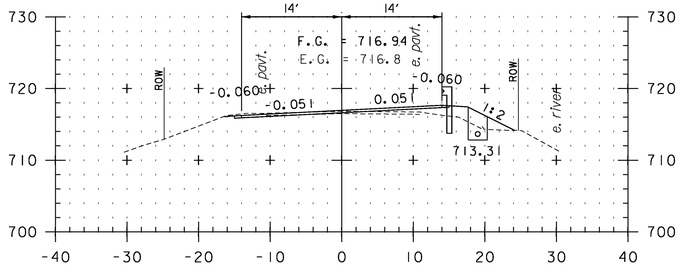
T3+00



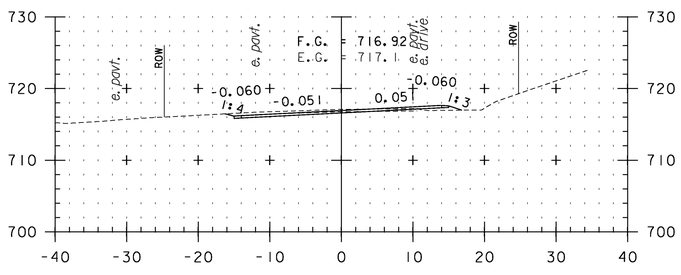
T1+50



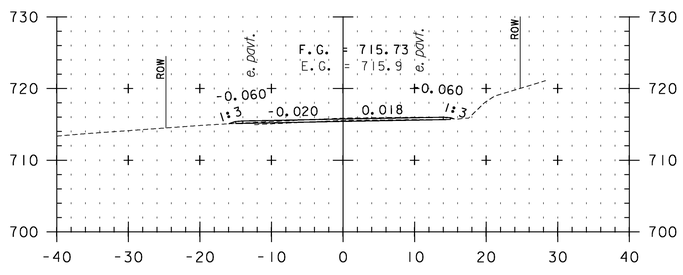
T2+50



T0+00



T1+00



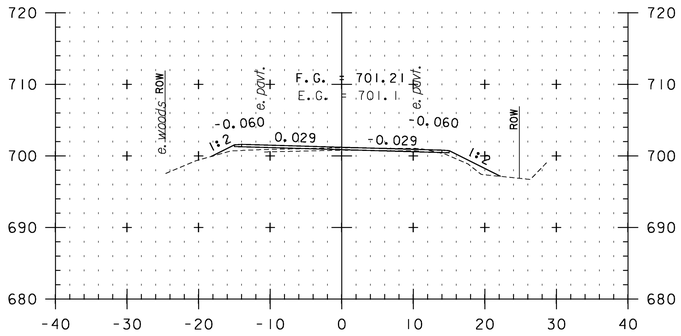
T2+00

CROSS SECTION SHEET 87

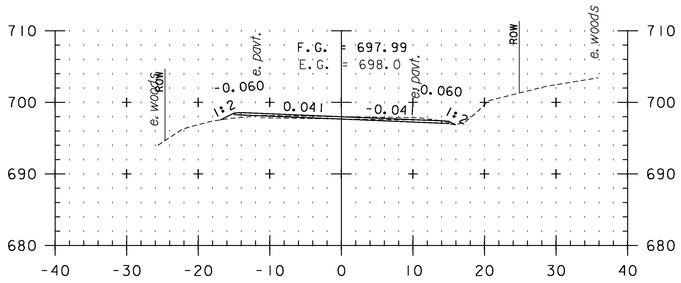
STA. T0+00 TO STA. T3+00

0 10 20
SCALE IN FEET

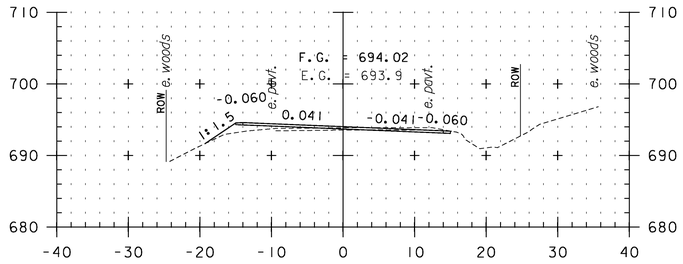
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: pl0c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_195	SHEET 195 OF 232



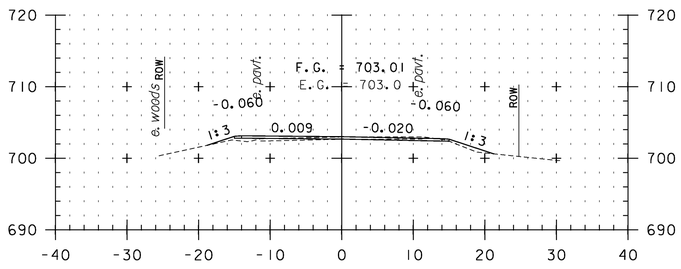
T4+50



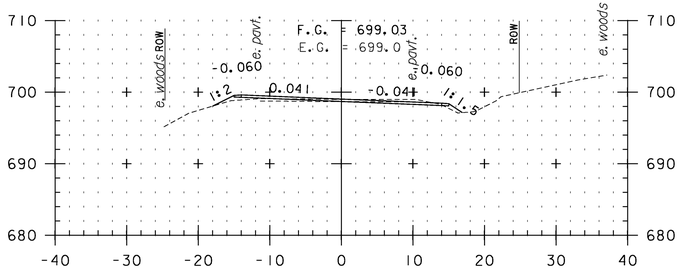
T6+00



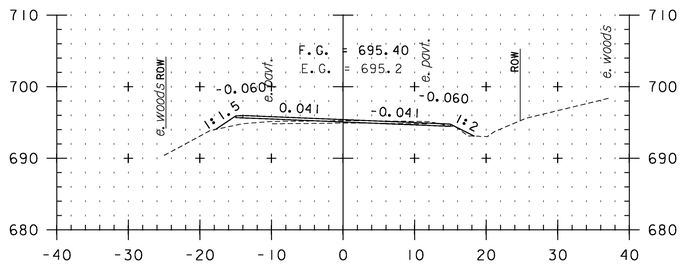
T7+50



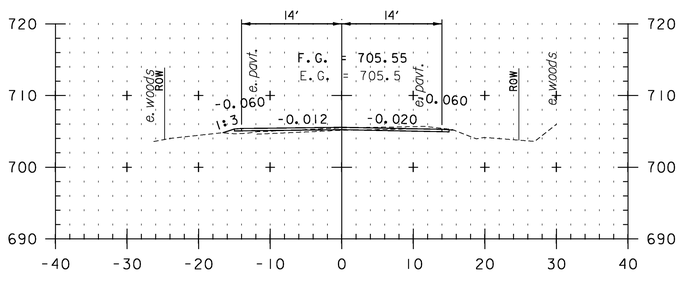
T4+00



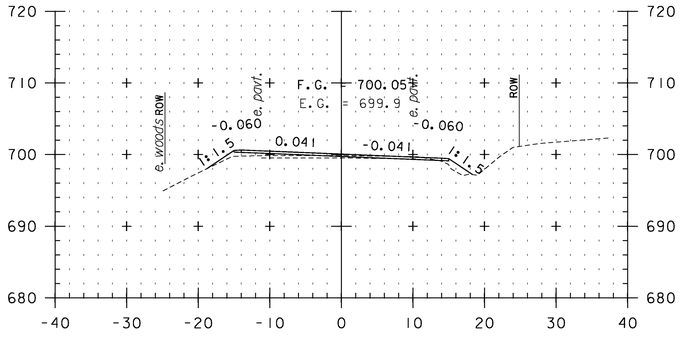
T5+50



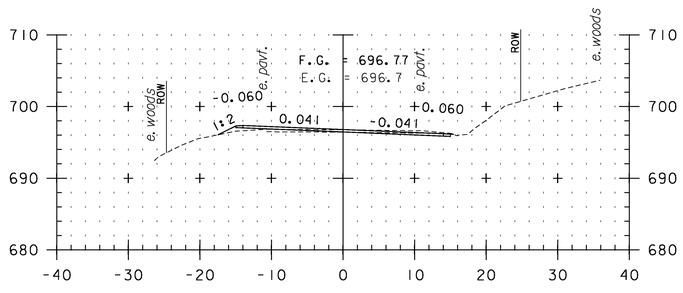
T7+00



T3+50



T5+00



T6+50

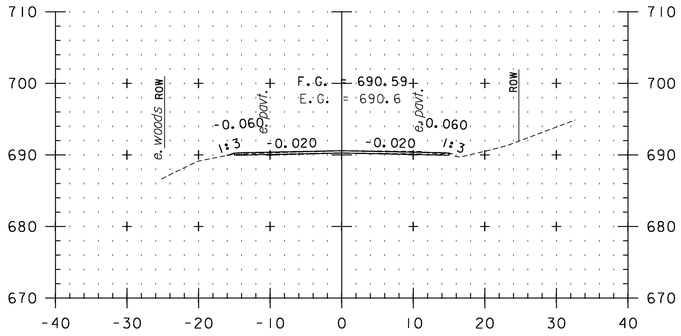
CROSS SECTION SHEET 88

STA. T3+50 TO STA. T7+50

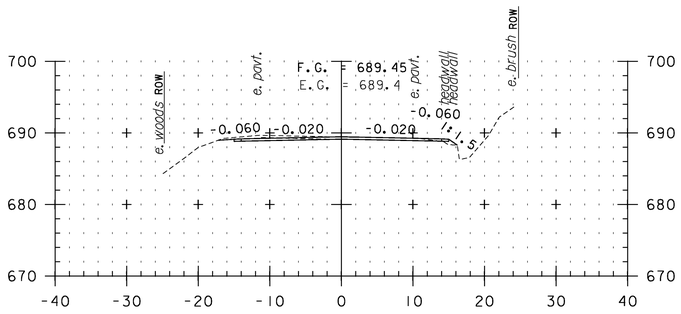
0 10 20

SCALE IN FEET

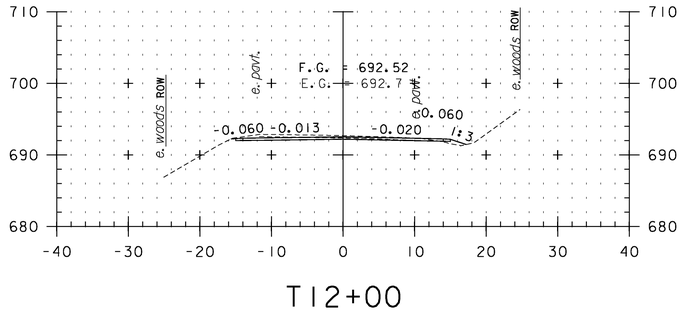
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(1)	
FILE NAME: pl0c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_196	SHEET 196 OF 232



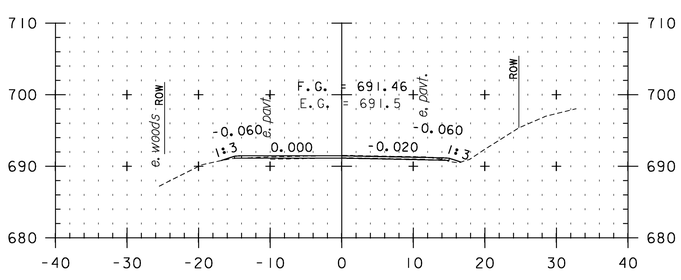
T9+00



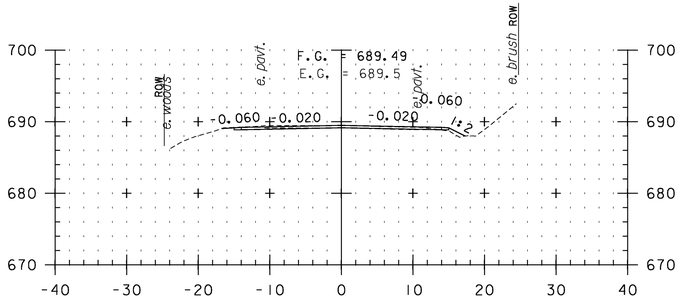
T10+50



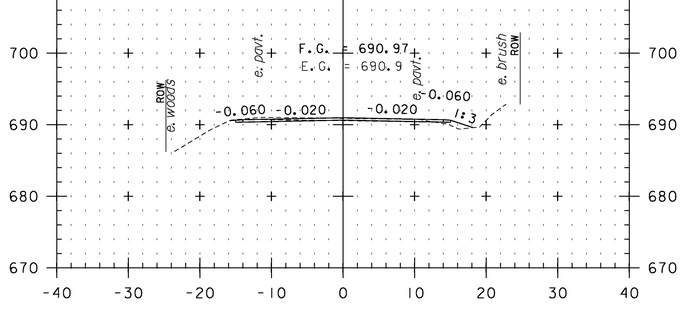
T12+00



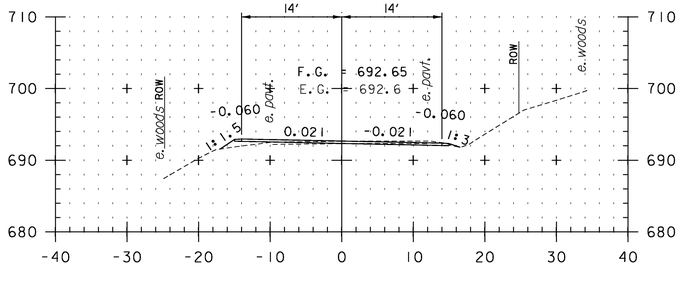
T8+50



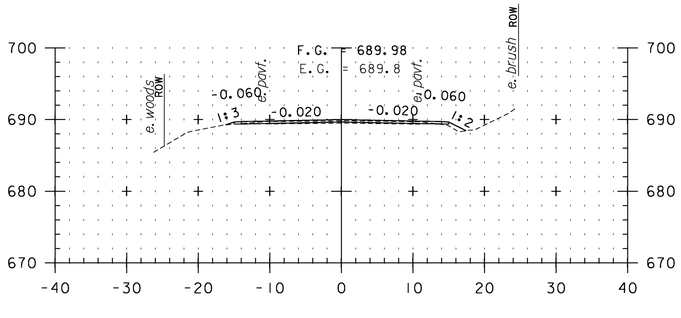
T10+00



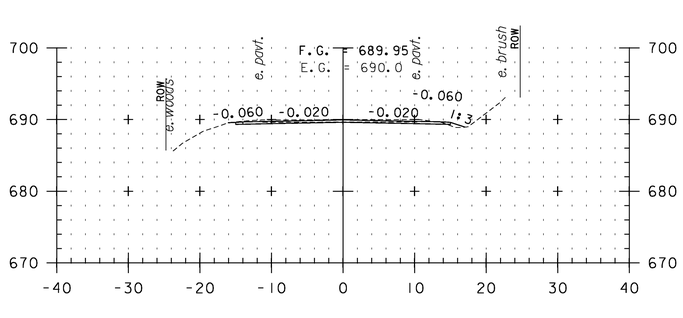
T11+50



T8+00



T9+50



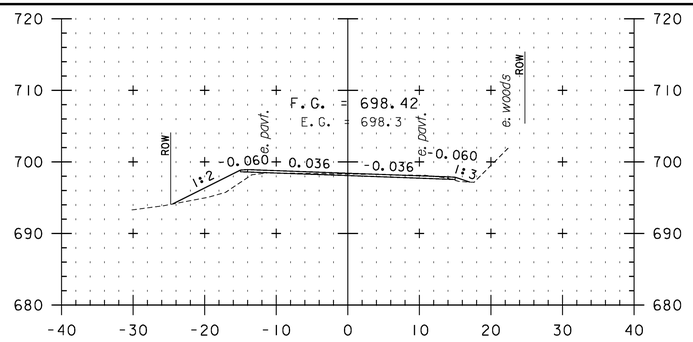
T11+00

CROSS SECTION SHEET 89

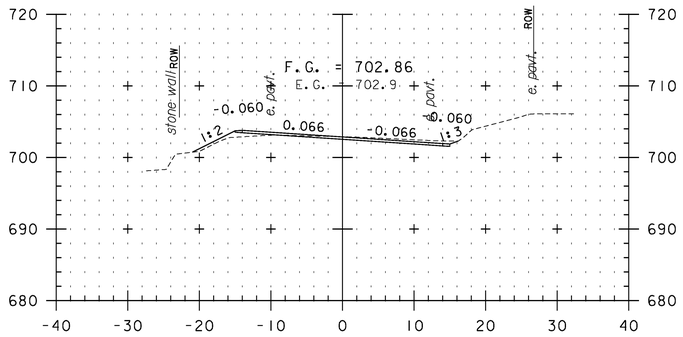
STA. T8+00 TO STA. T12+00

0 10 20
SCALE IN FEET

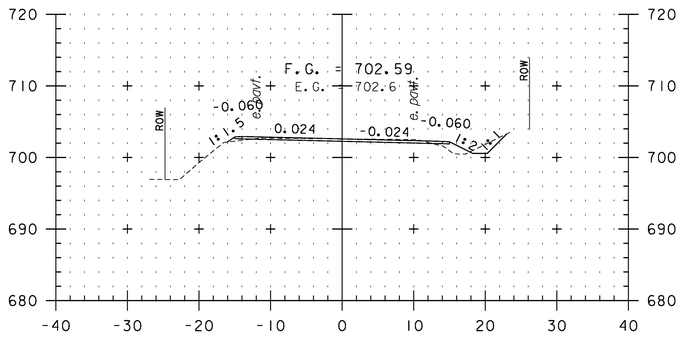
PROJECT NAME: VERSHIRE-THETFORD	
PROJECT NUMBER: STP 2911(I)	
FILE NAME: p10c224.dgn	PLOT DATE: 1/29/2013
PROJECT LEADER: PTS	DRAWN BY: SNG
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 10C224_197	SHEET 197 OF 232



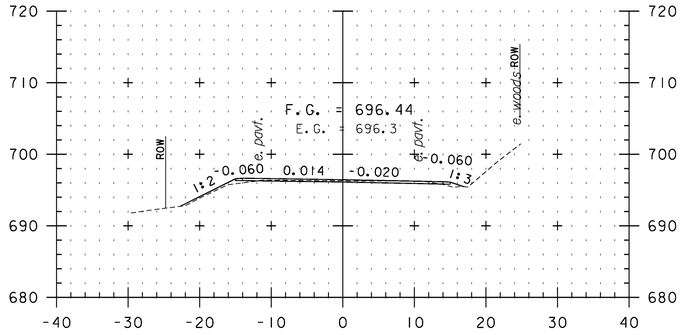
T 13+50



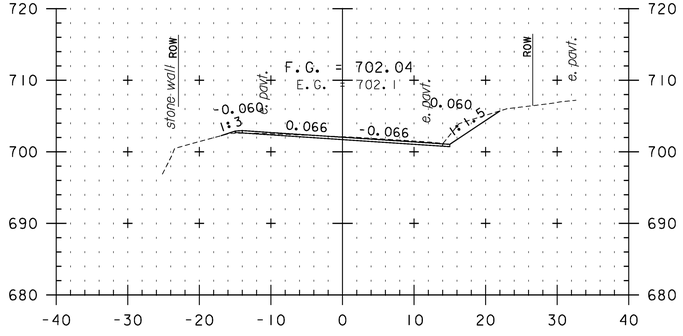
T 15+00



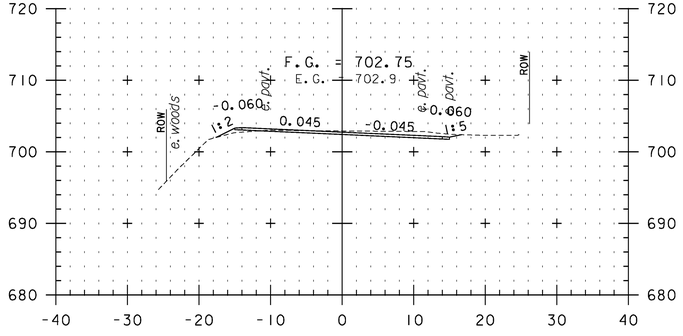
T 16+50



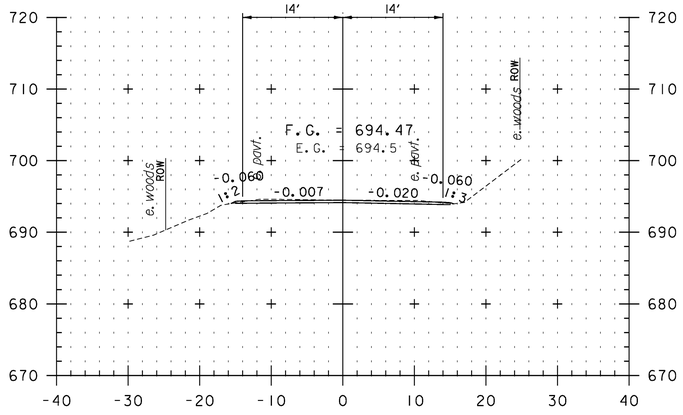
T 13+00



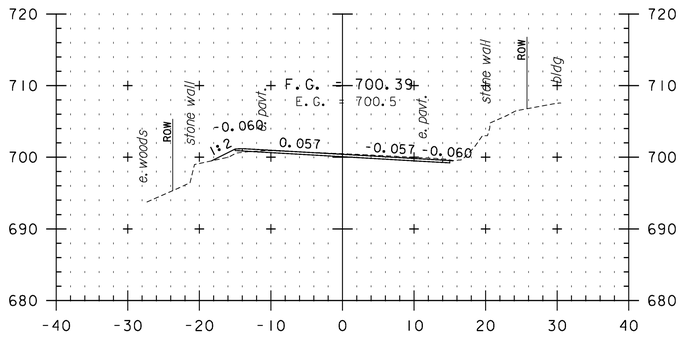
T 14+50



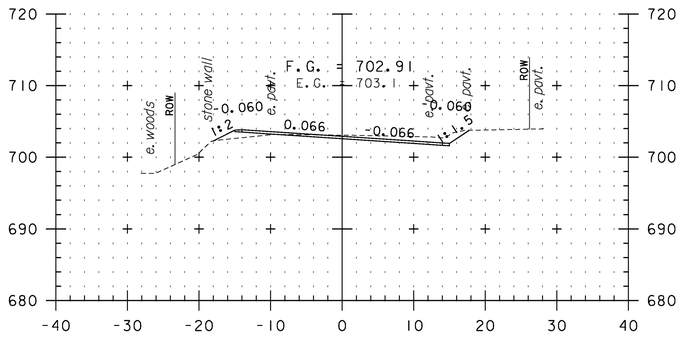
T 16+00



T 12+50



T 14+00



T 15+50

CROSS SECTION SHEET 90

STA. T 12+50 TO STA. T 16+50

0 10 20

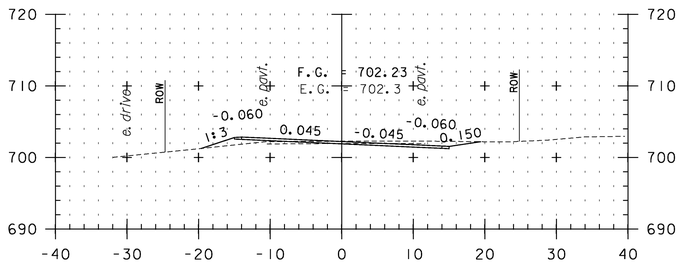
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

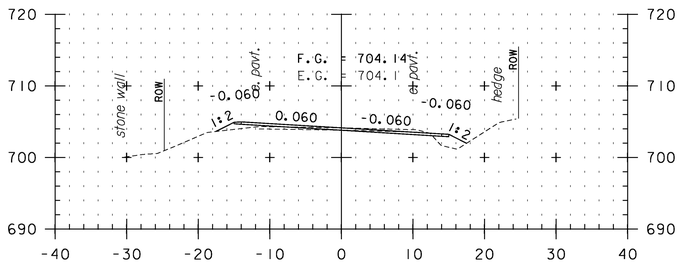
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_198

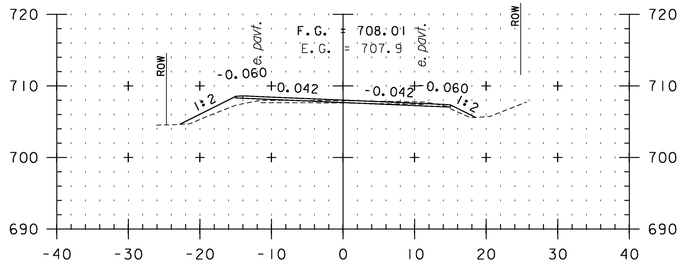
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 198 OF 232



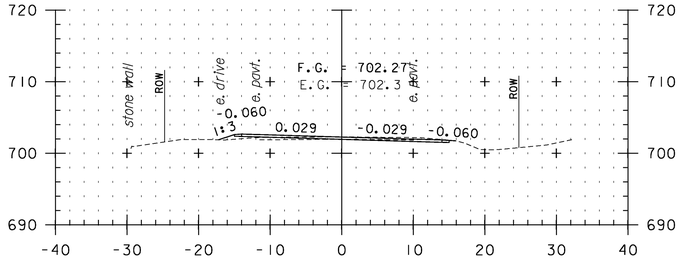
T18+00



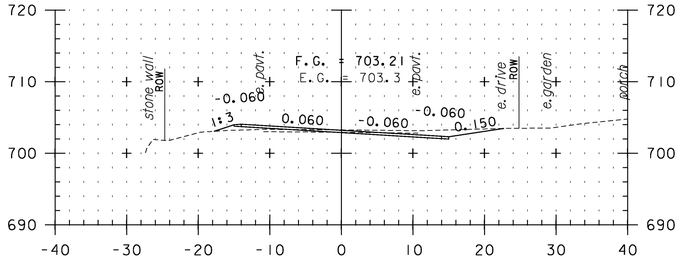
T19+50



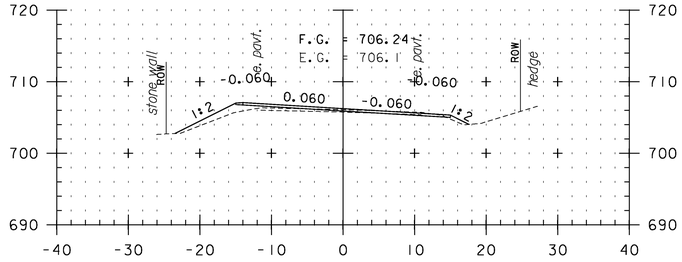
T21+00



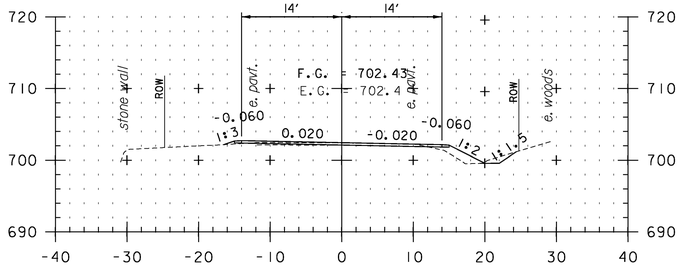
T17+50



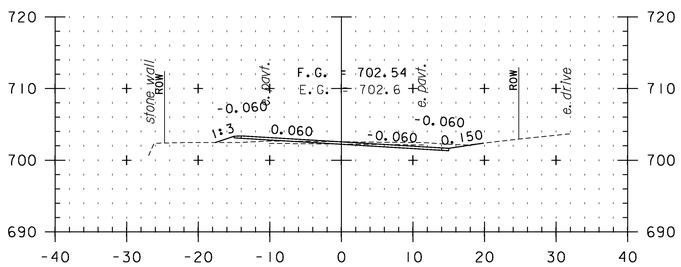
T19+00



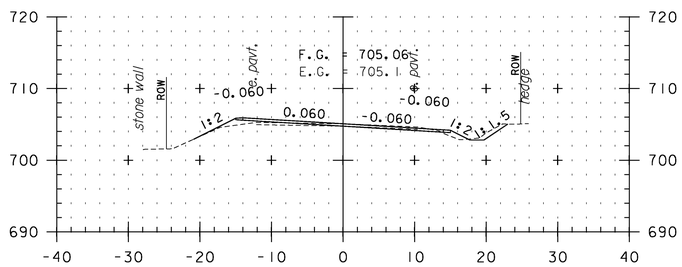
T20+50



T17+00



T18+50



T20+00

CROSS SECTION SHEET 91

STA. T17+00 TO STA. T21+00

0 10 20

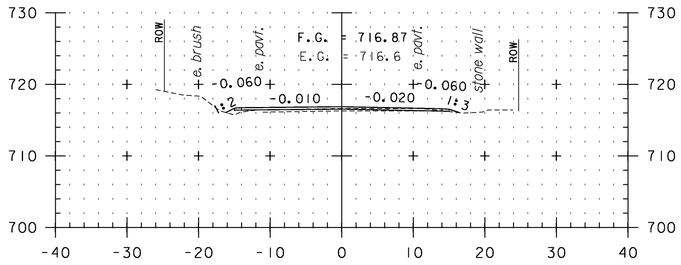
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

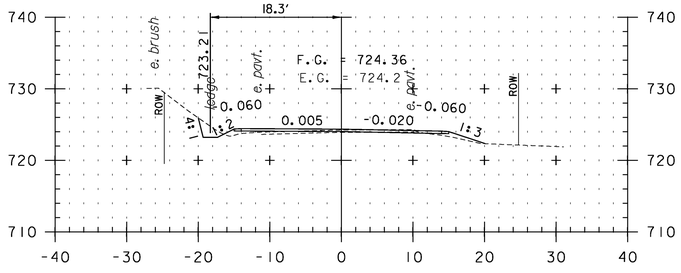
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_199

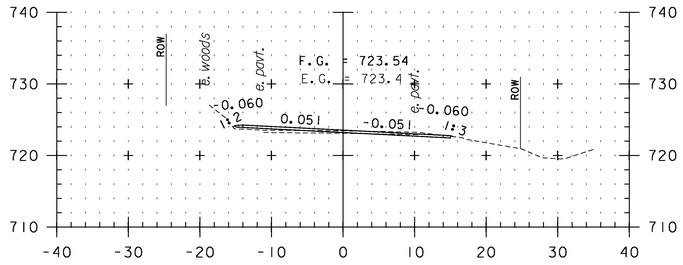
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 199 OF 232



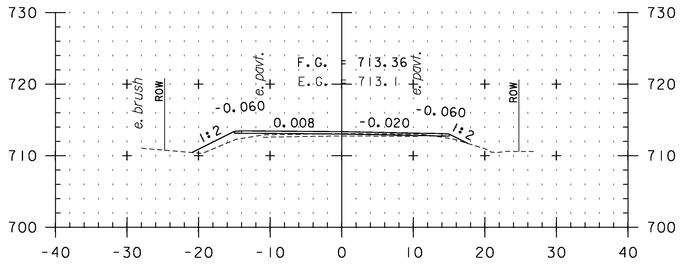
T22+50



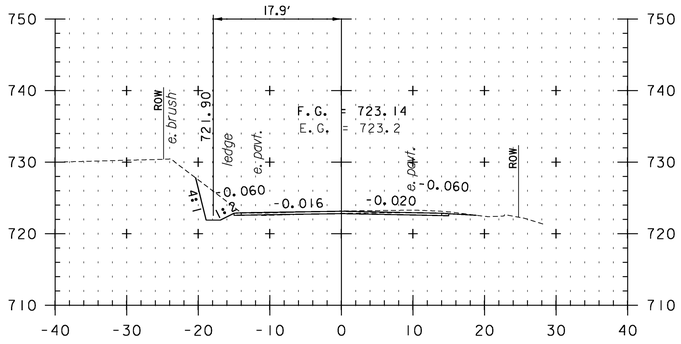
T24+00



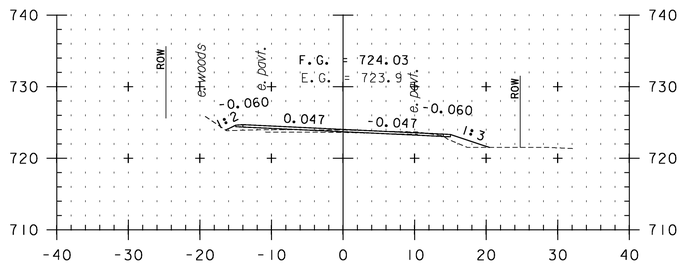
T25+50



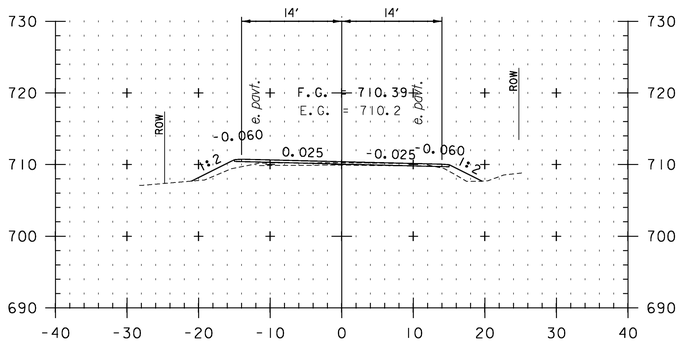
T22+00



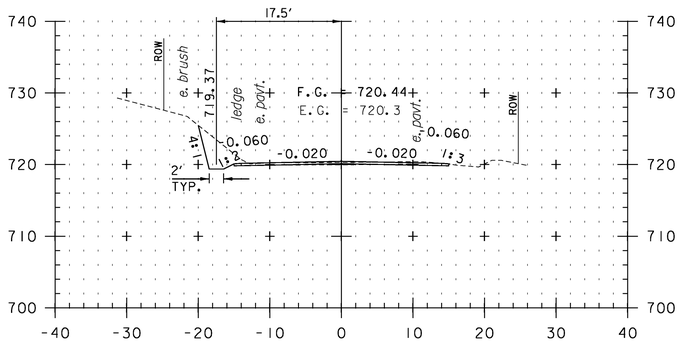
T23+50



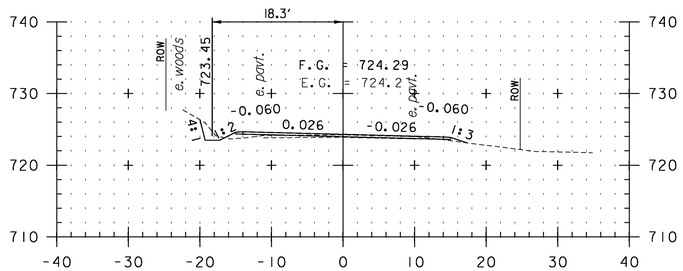
T25+00



T21+50



T23+00



T24+50

CROSS SECTION SHEET 92

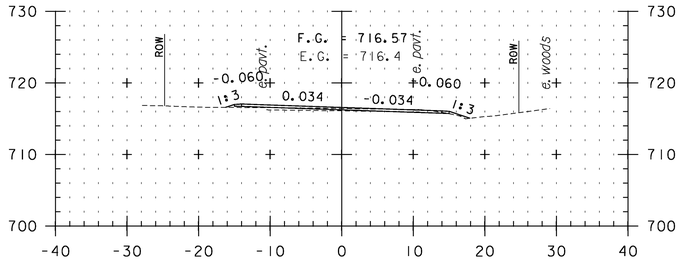
STA. T21+50 TO STA. T25+50

0 10 20
SCALE IN FEET

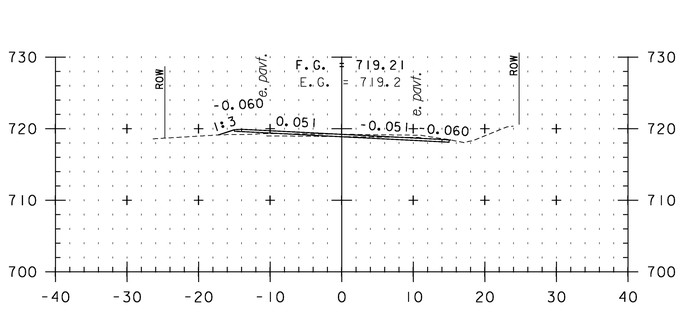
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_200

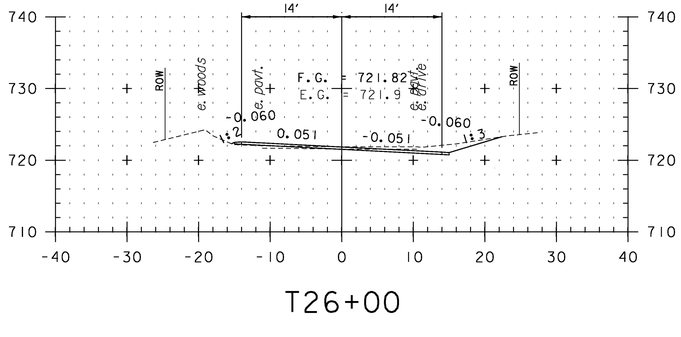
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 200 OF 232



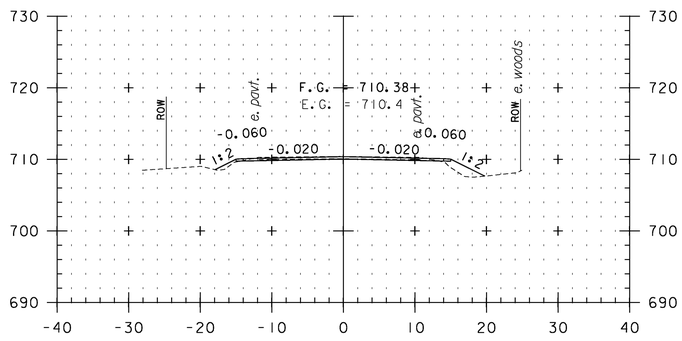
T27+00



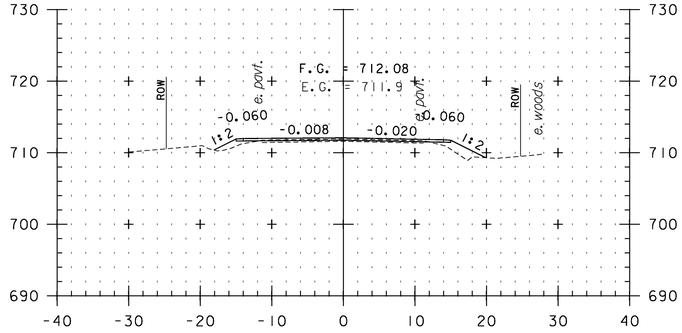
T26+50



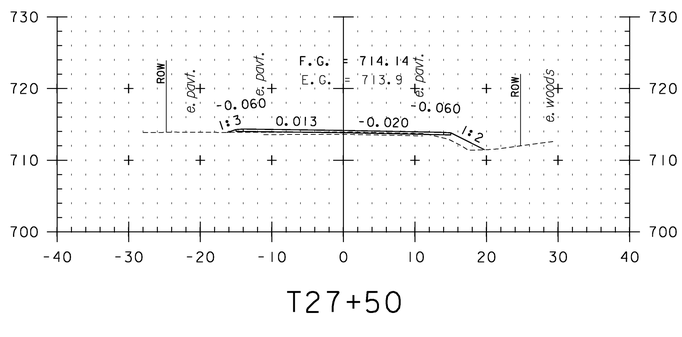
T26+00



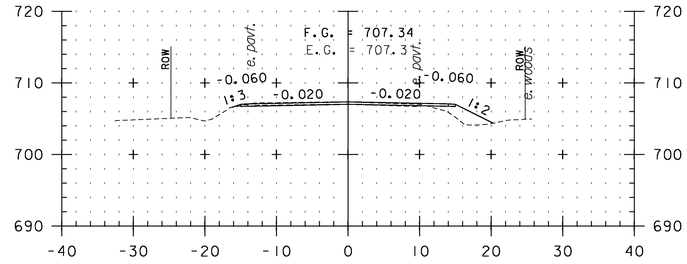
T28+50



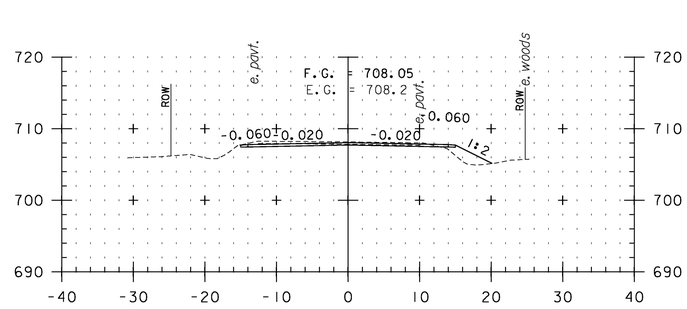
T28+00



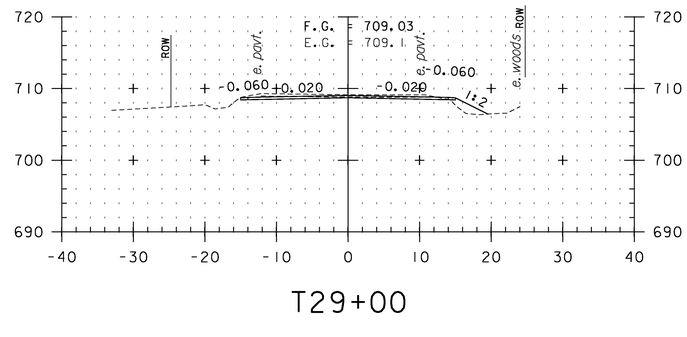
T27+50



T30+00



T29+50



T29+00

CROSS SECTION SHEET 93

STA. T26+00 TO STA. T30+00

0 10 20

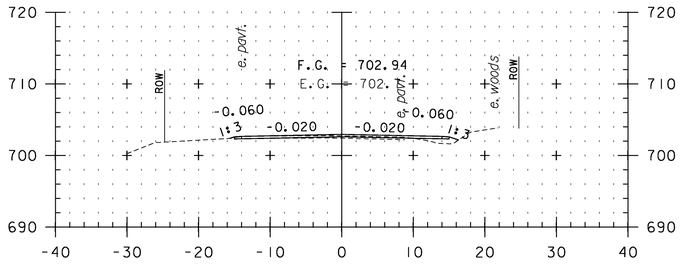
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

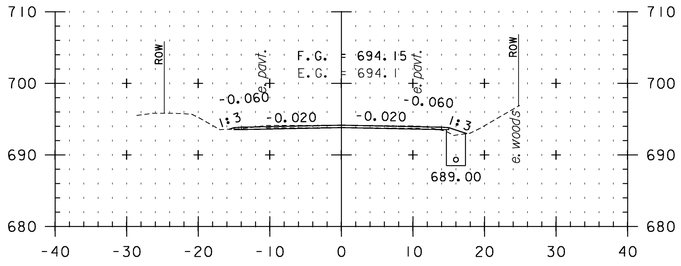
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_201

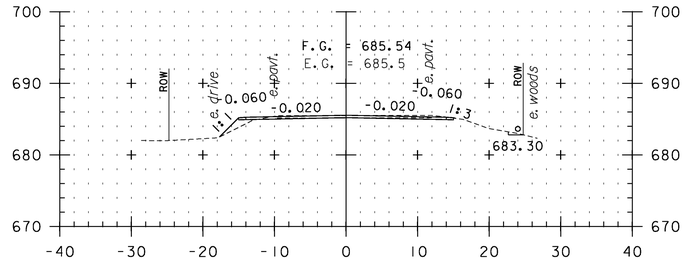
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS



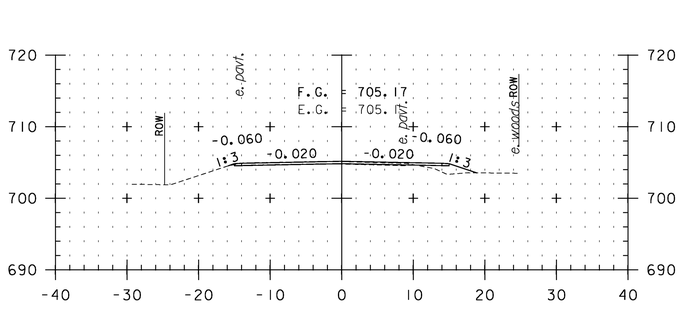
T31+50



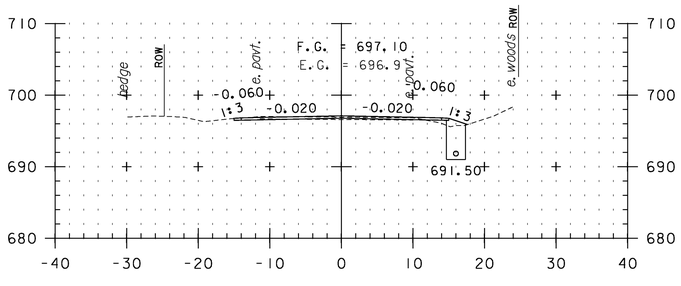
T33+00



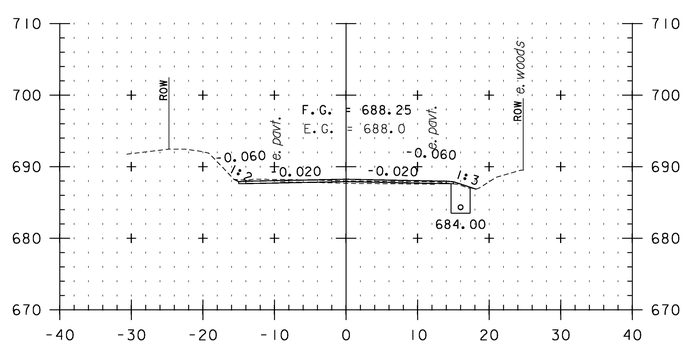
T34+50



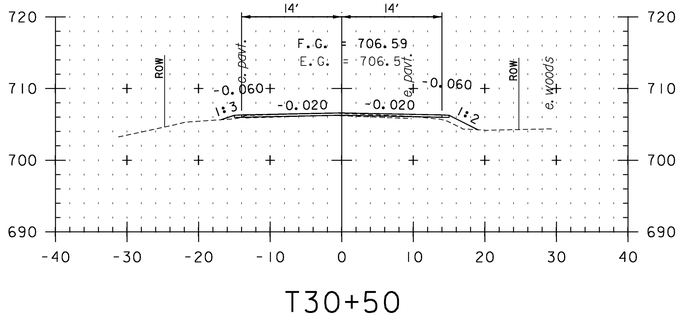
T31+00



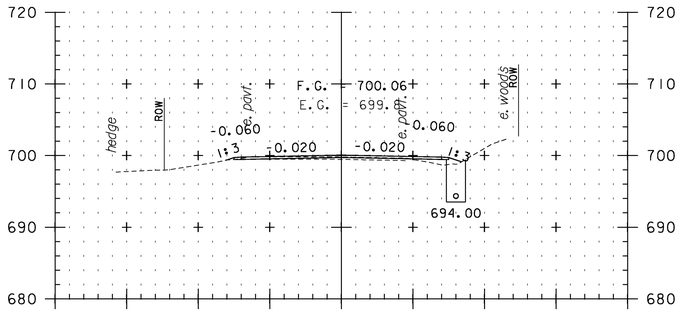
T32+50



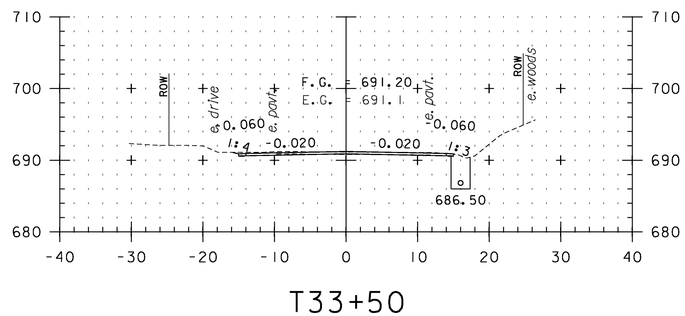
T34+00



T30+50



T32+00



T33+50

CROSS SECTION SHEET 94

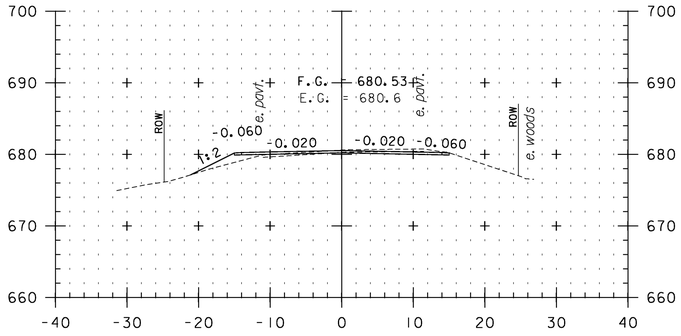
STA. T30+50 TO STA. T34+50

0 10 20
SCALE IN FEET

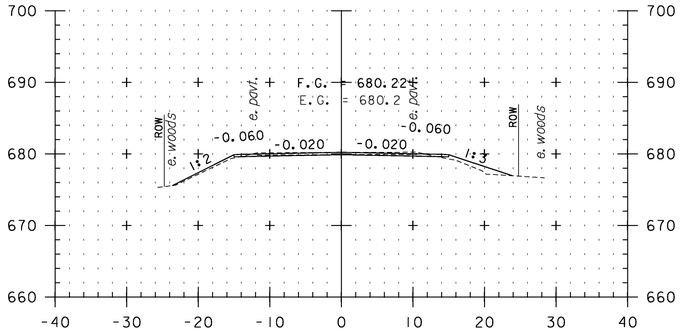
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_202

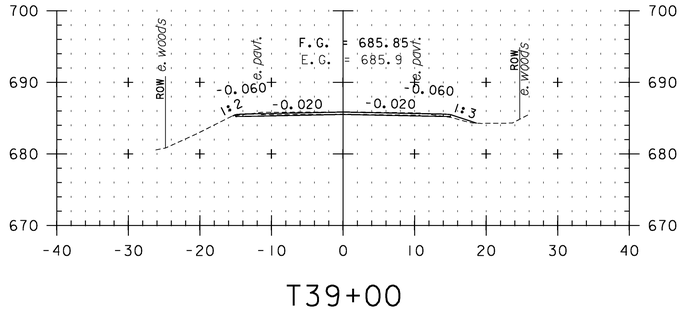
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 202 OF 232



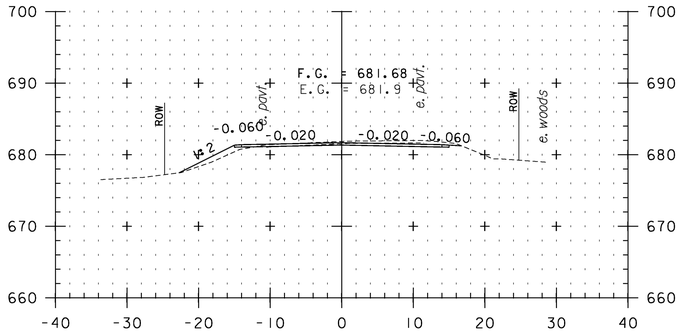
T36+00



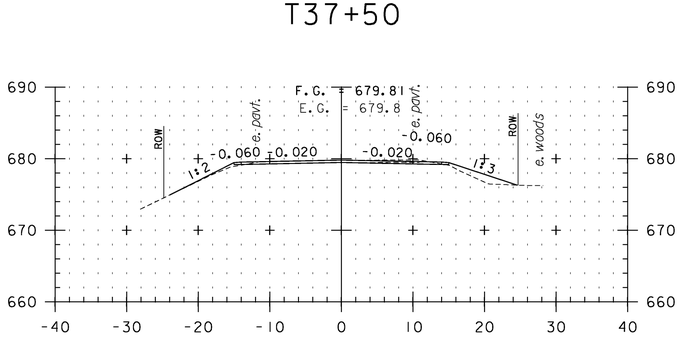
T37+50



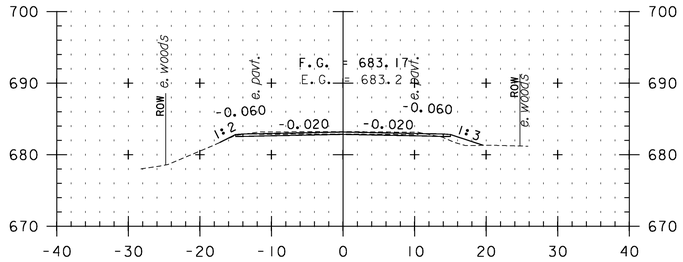
T39+00



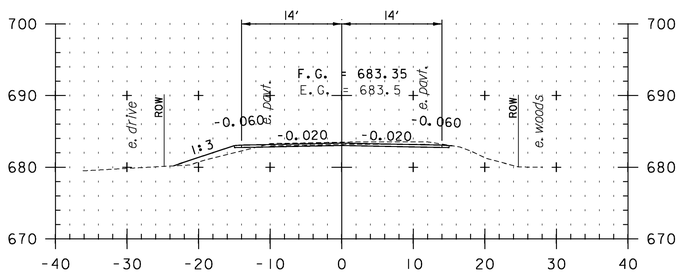
T35+50



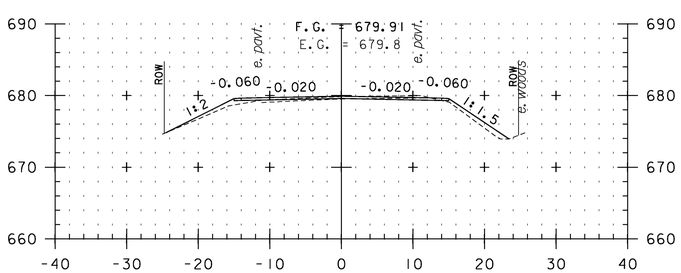
T37+00



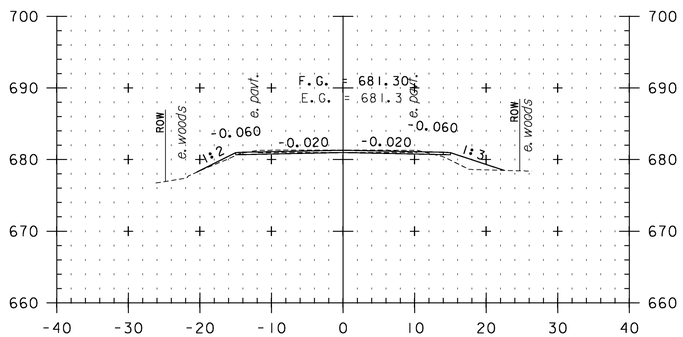
T38+50



T35+00



T36+50



T38+00

CROSS SECTION SHEET 95

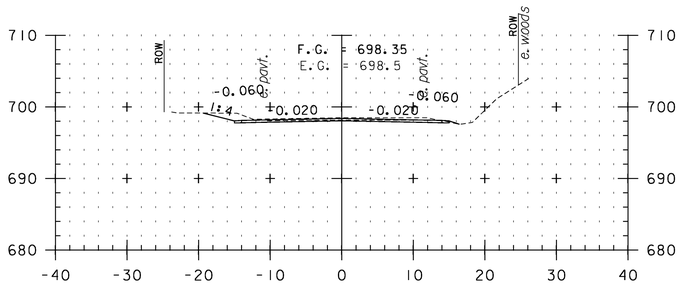
STA. T35+00 TO STA. T39+00

0 10 20
SCALE IN FEET

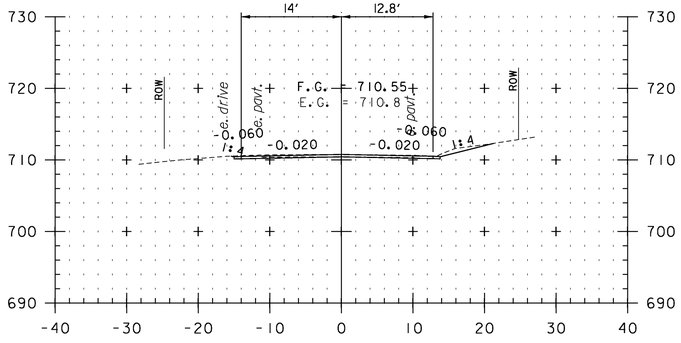
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_203

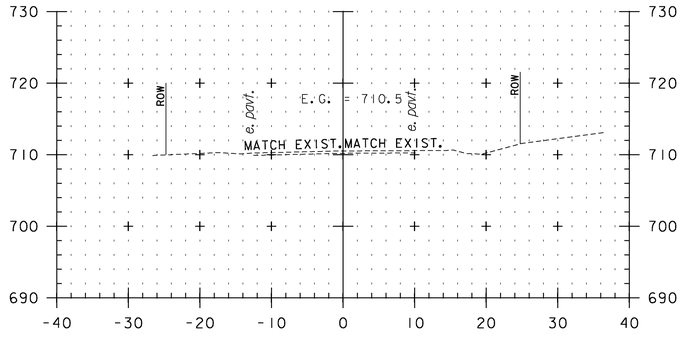
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 203 OF 232



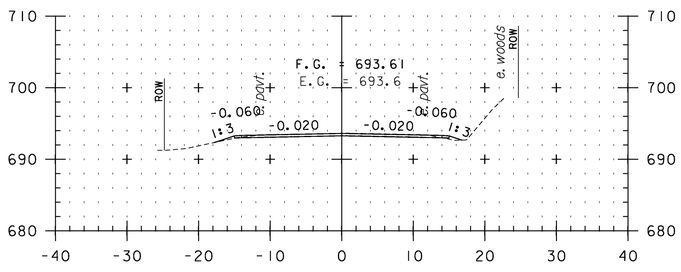
T40+50



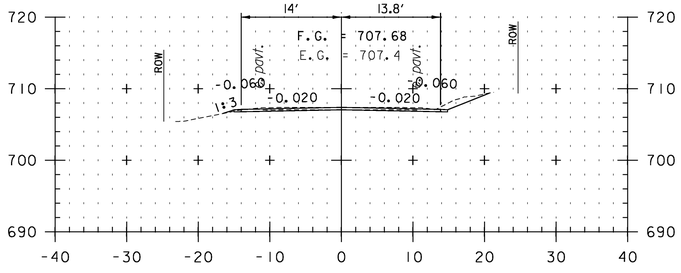
T42+00



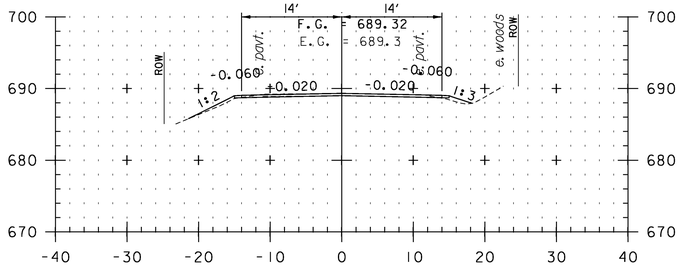
T42+93
END PROJECT



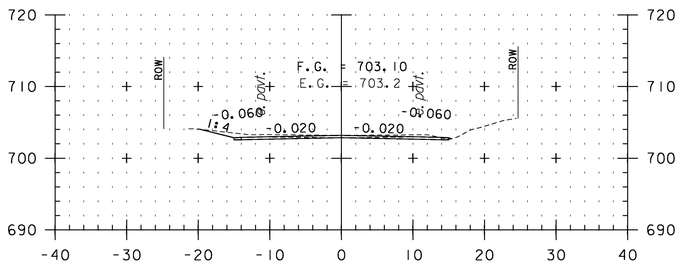
T40+00



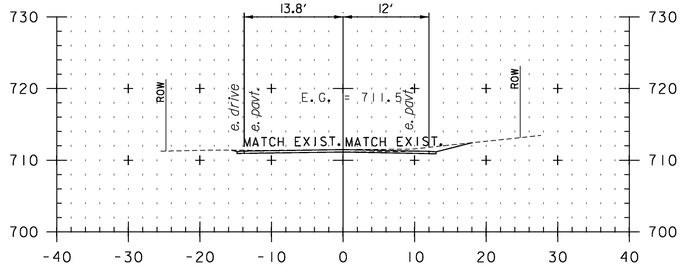
T41+50



T39+50



T41+00



T42+50

CROSS SECTION SHEET 96

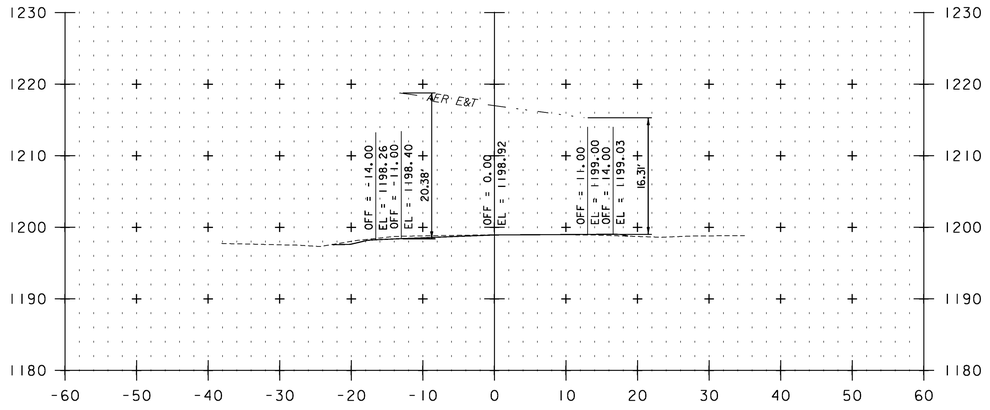
STA. T39+50 TO STA. T42+93

0 10 20
SCALE IN FEET

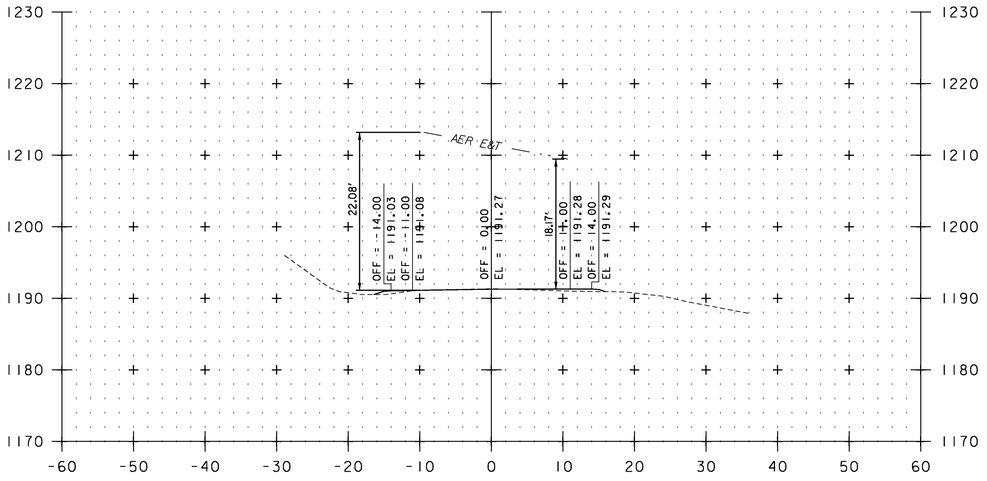
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_204

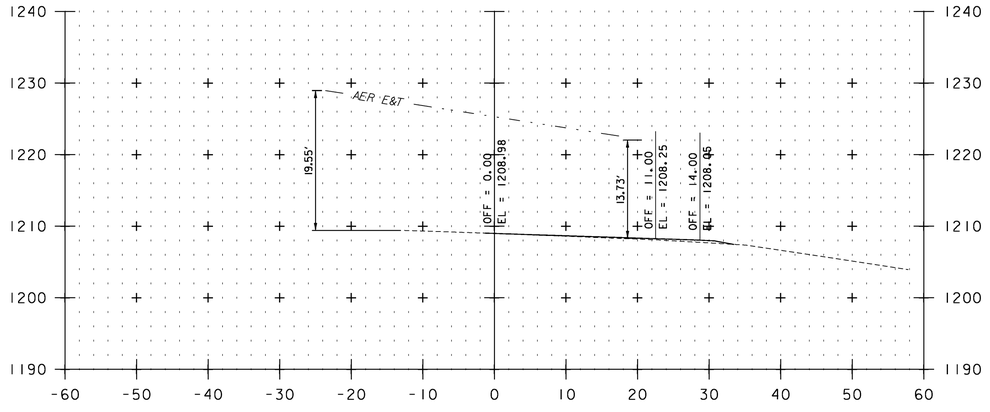
PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 204 OF 232



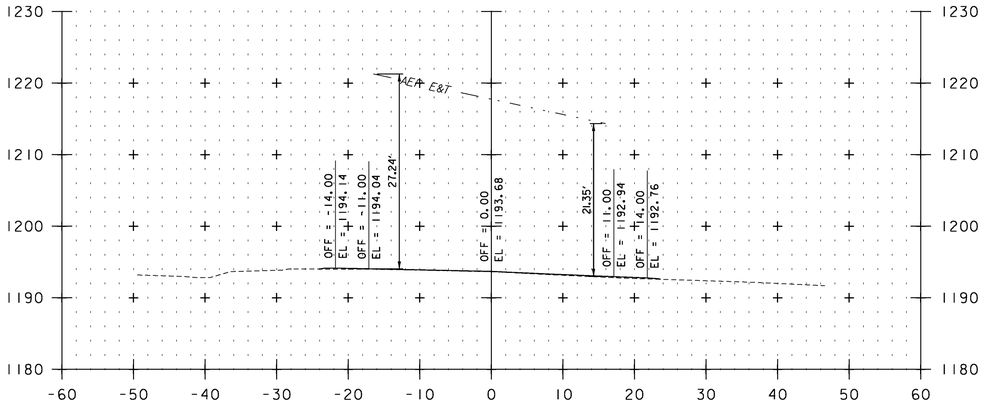
190+61



192+34



187+81



191+81

STA. 187+81 TO STA. 192+34

0 10 20

SCALE IN FEET

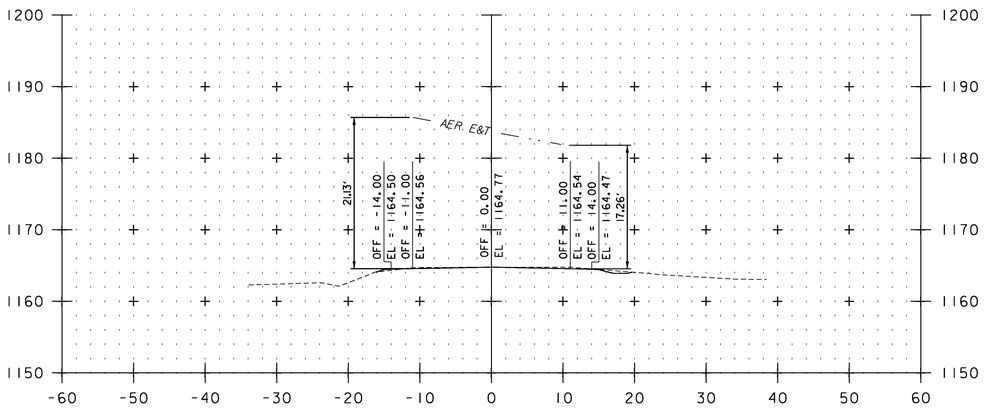
UTILITY CROSS SECTION SHEET 1

PROJECT NAME: VERSHIRE-THETFORD

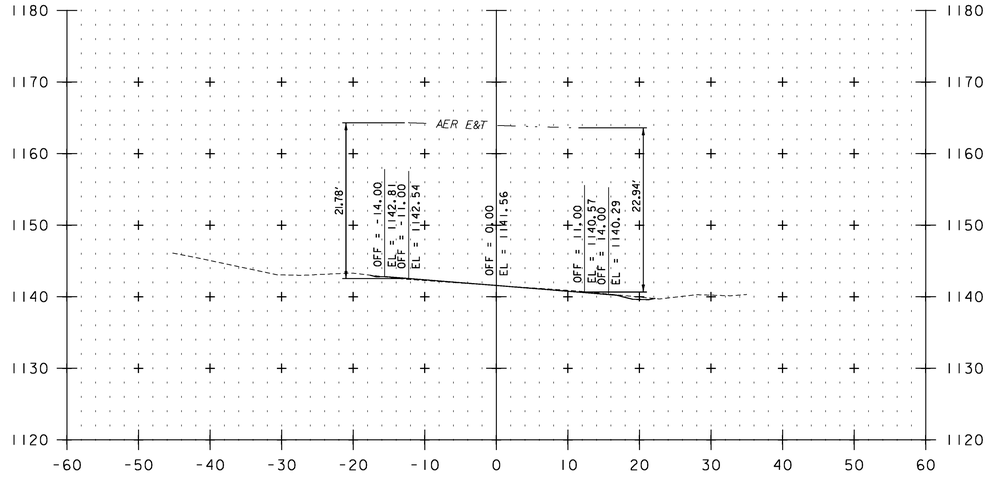
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_205

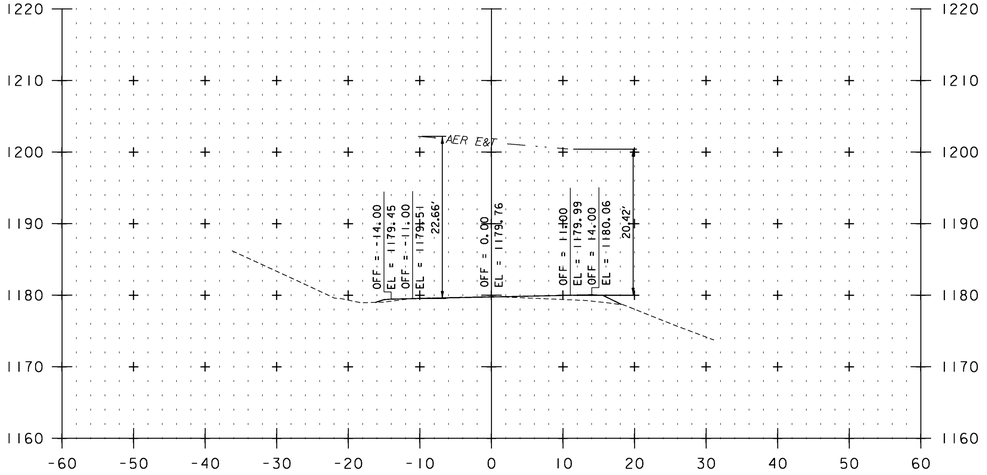
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 205 OF 232



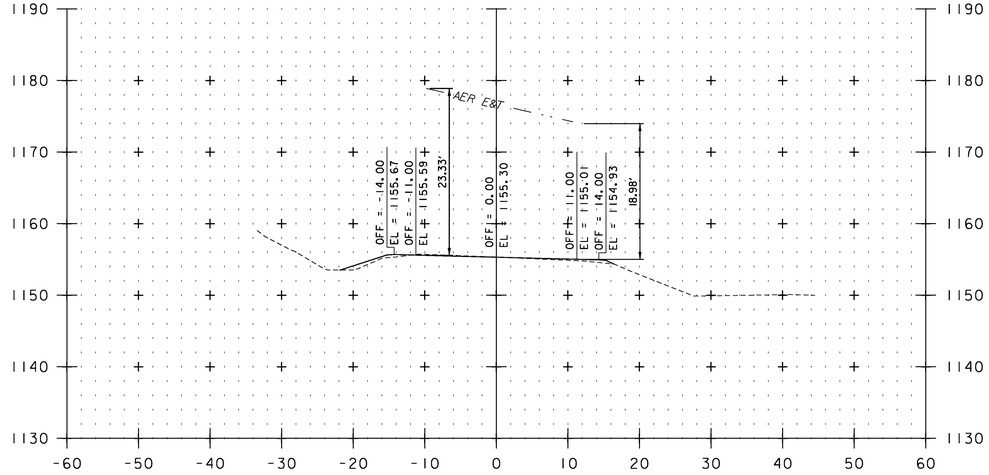
200+06



210+02



194+71



204+62

STA. 194+71 TO STA. 210+02

0 10 20
SCALE IN FEET

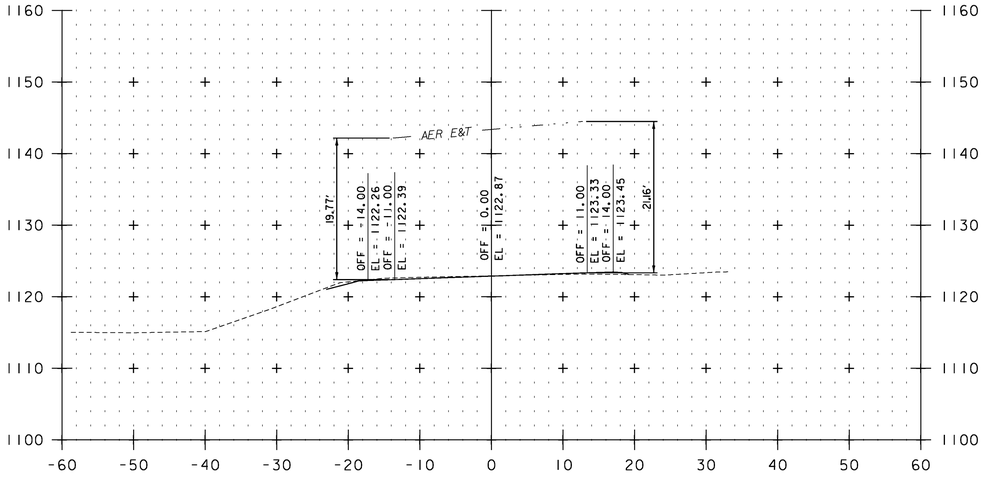
UTILITY CROSS SECTION SHEET 2

PROJECT NAME: VERSHIRE-THETFORD

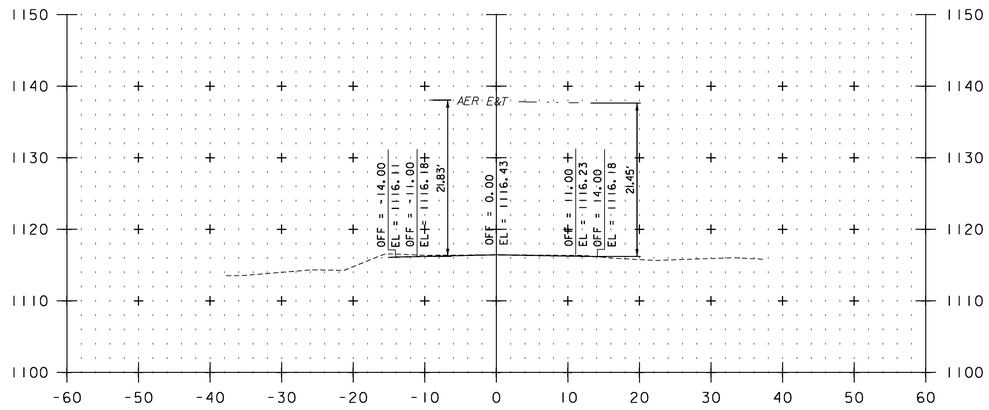
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_206

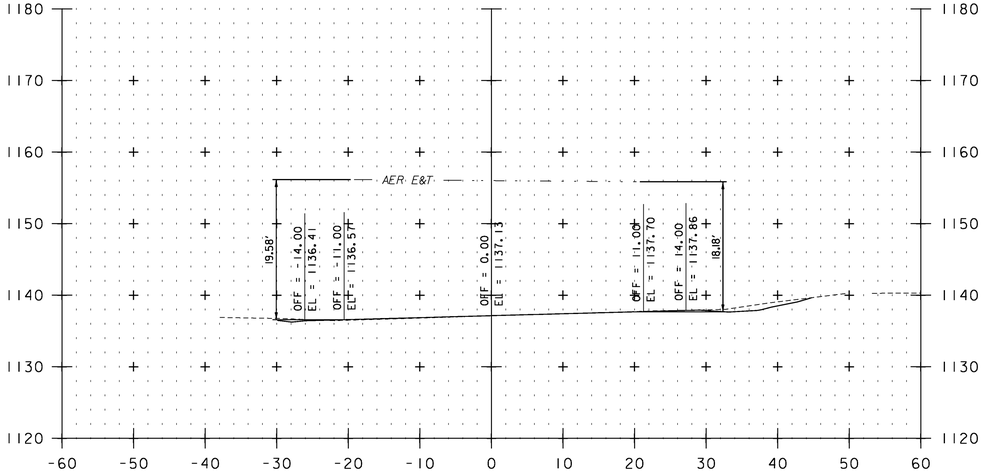
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
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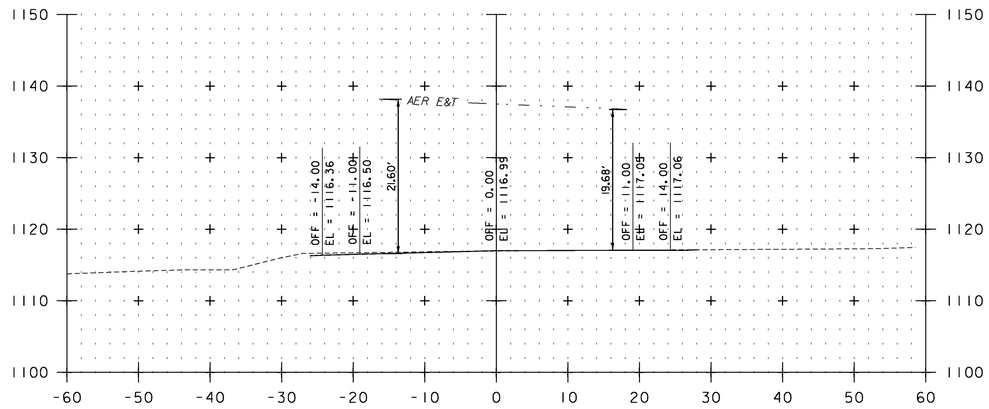
215+07



218+79



210+72



218+47

STA. 210+72 TO STA. 218+79

0 10 20

SCALE IN FEET

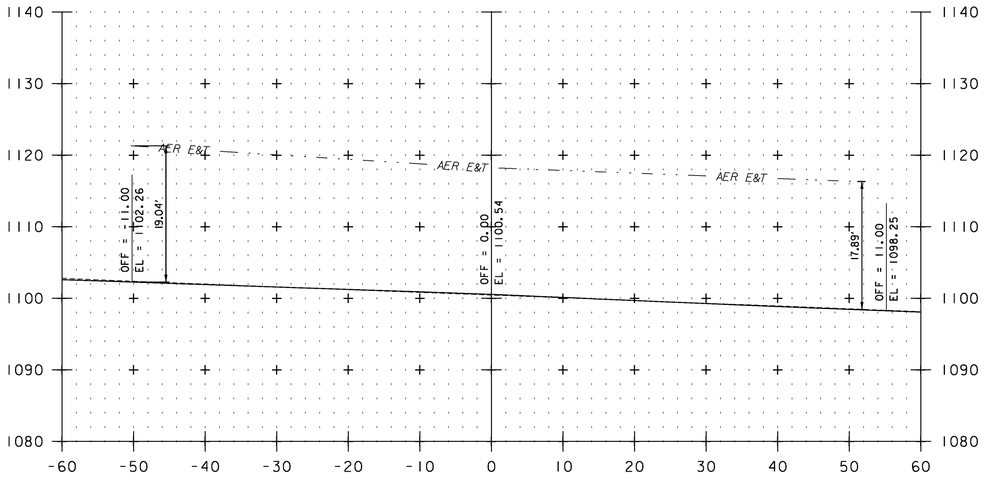
UTILITY CROSS SECTION SHEET 3

PROJECT NAME: VERSHIRE-THETFORD

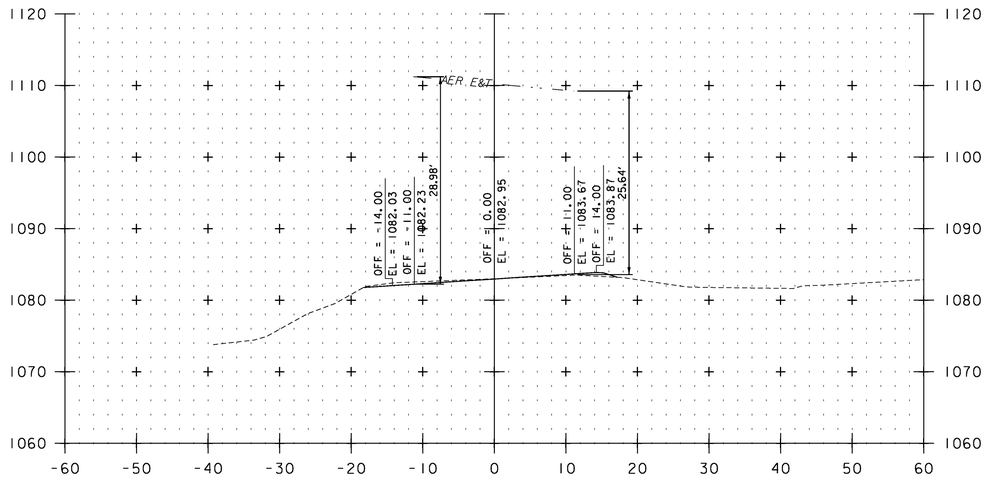
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_207

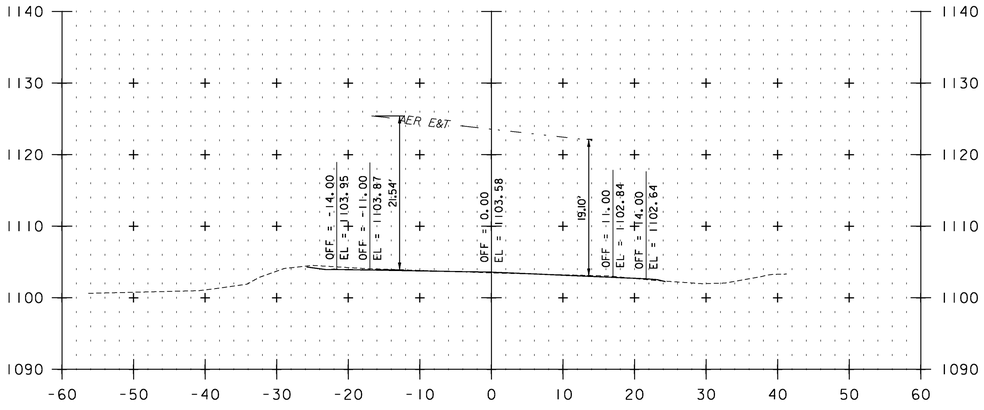
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 207 OF 232



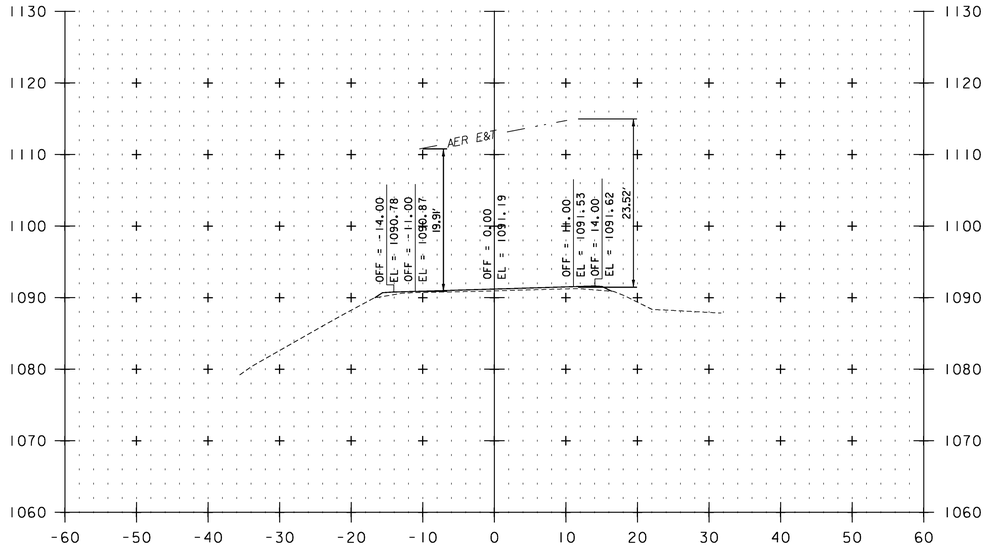
223+47



231+87



222+70



229+07

STA. 222+70 TO STA. 231+87

0 10 20

SCALE IN FEET

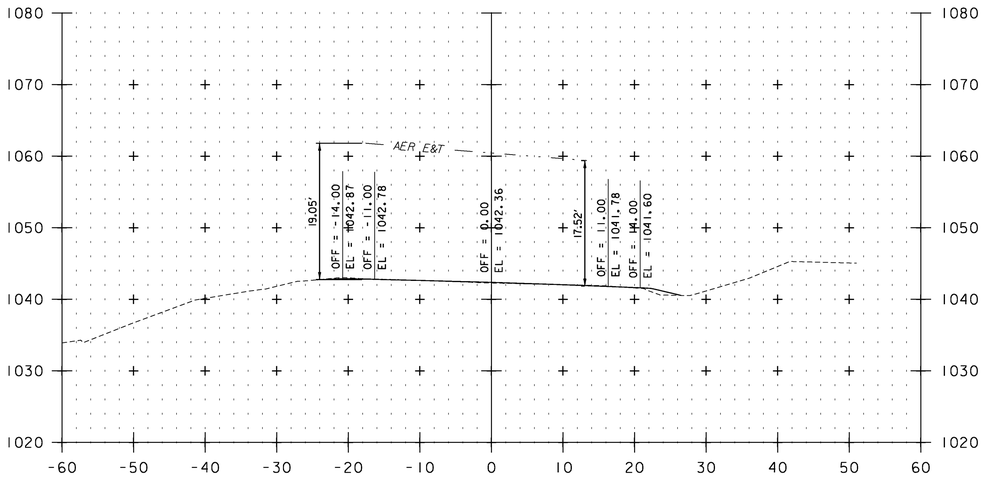
UTILITY CROSS SECTION SHEET 4

PROJECT NAME: VERSHIRE-THETFORD

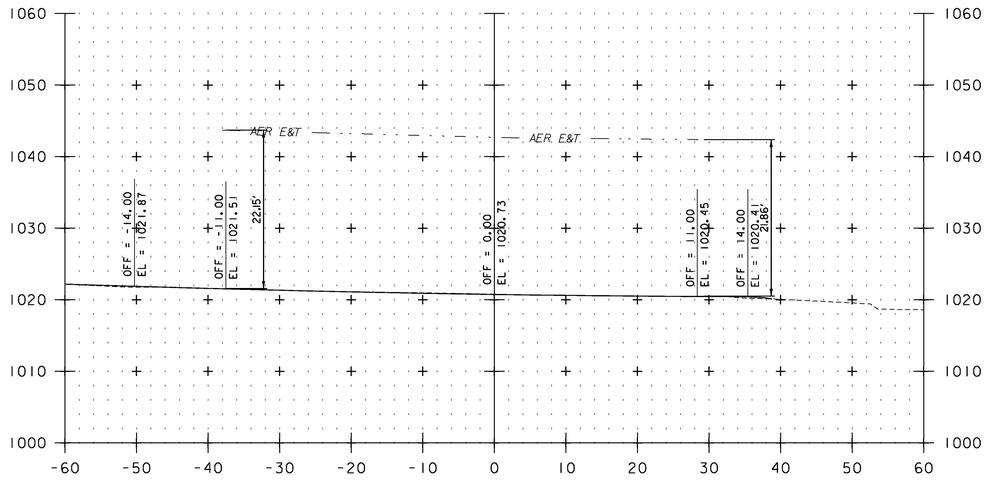
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_208

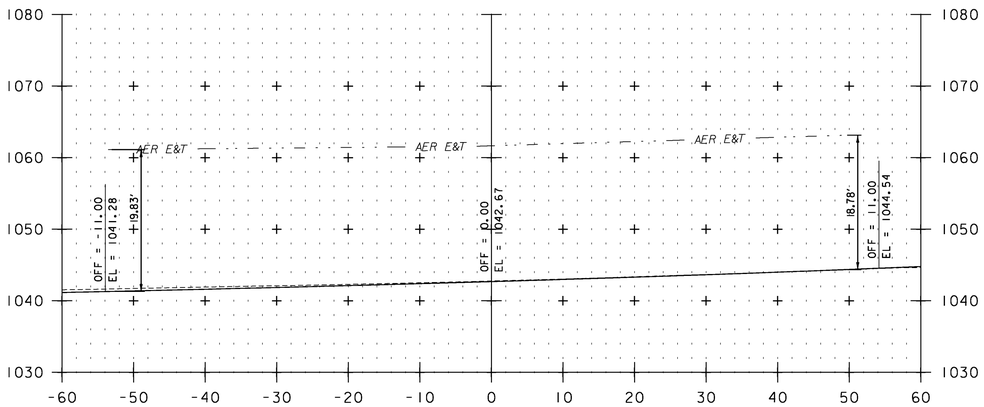
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 208 OF 232



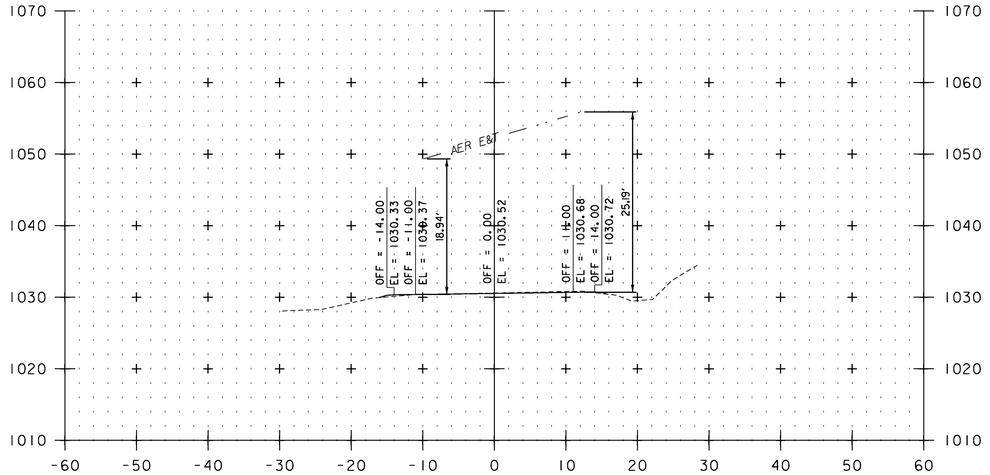
254+47



259+89



249+97



257+71

STA. 249+97 TO STA. 259+89

0 10 20

SCALE IN FEET

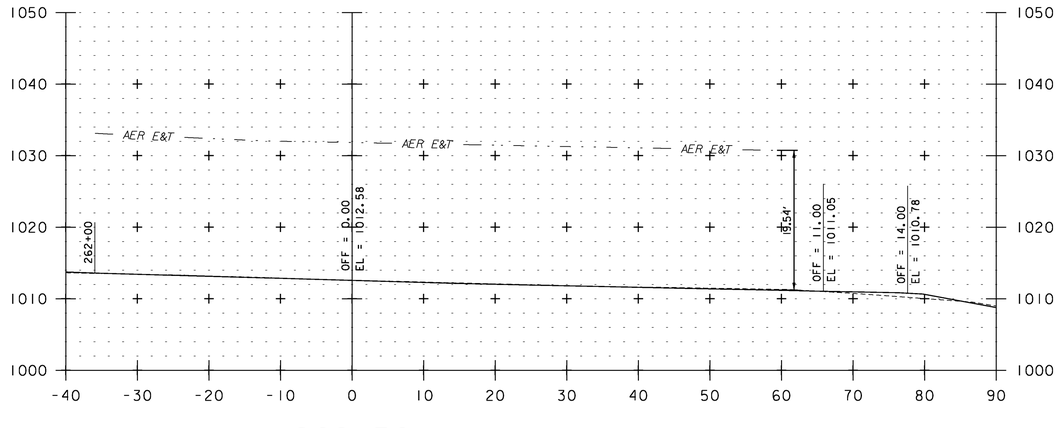
UTILITY CROSS SECTION SHEET 5

PROJECT NAME: VERSHIRE-THETFORD

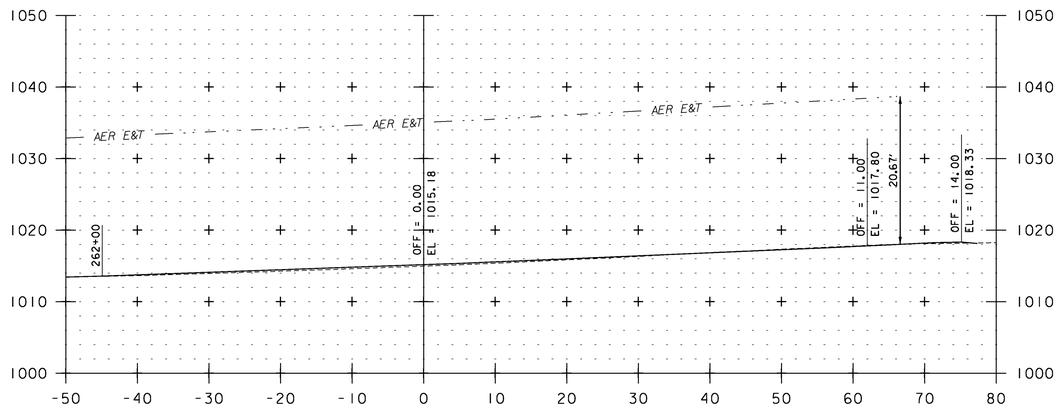
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_209

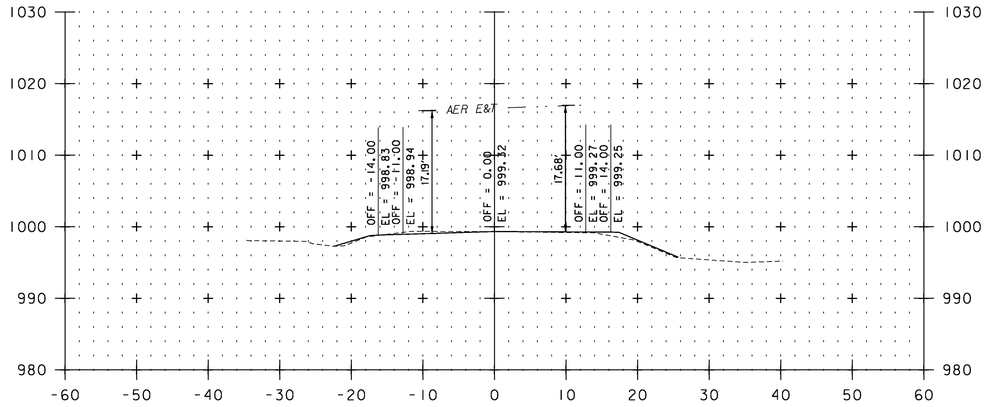
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 209 OF 232



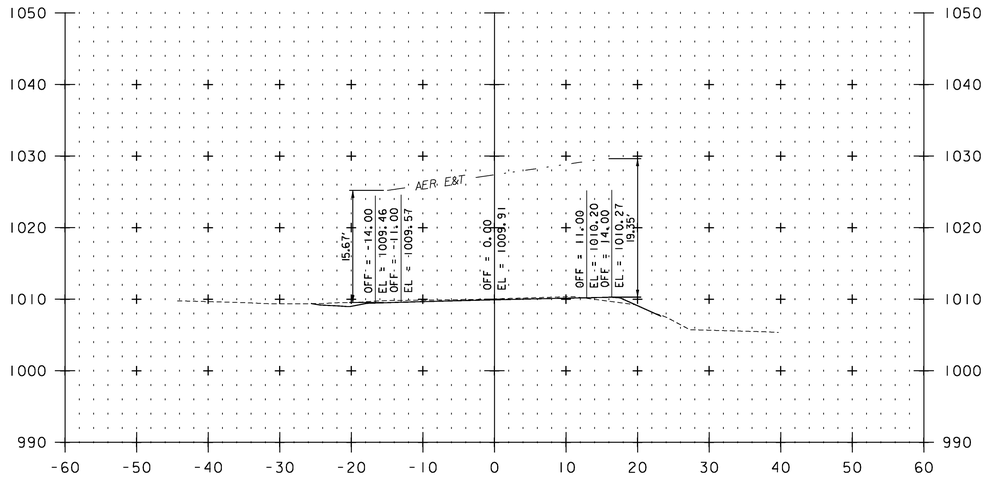
262+36



261+55



267+13



263+16

UTILITY CROSS SECTION SHEET 6

STA. 261+55 TO STA. 267+13

0 10 20

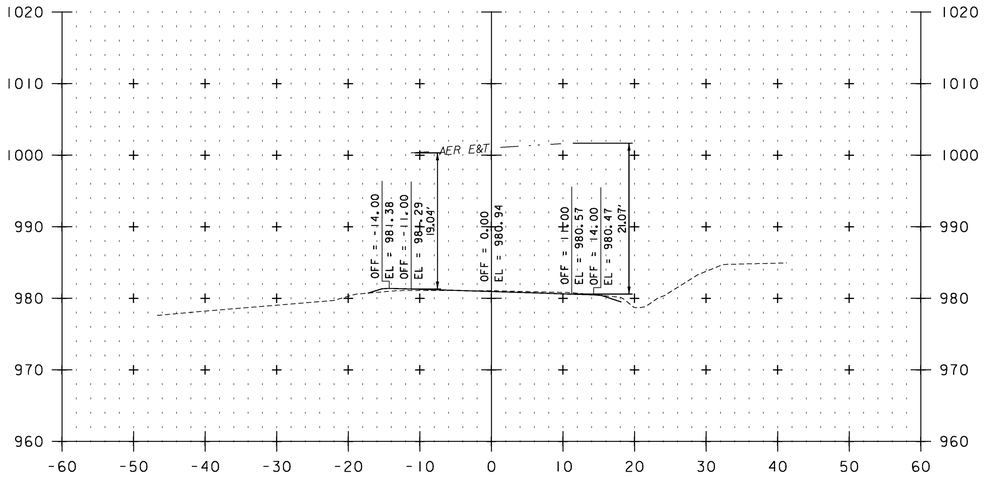
SCALE IN FEET

PROJECT NAME: VERSHIRE-THETFORD

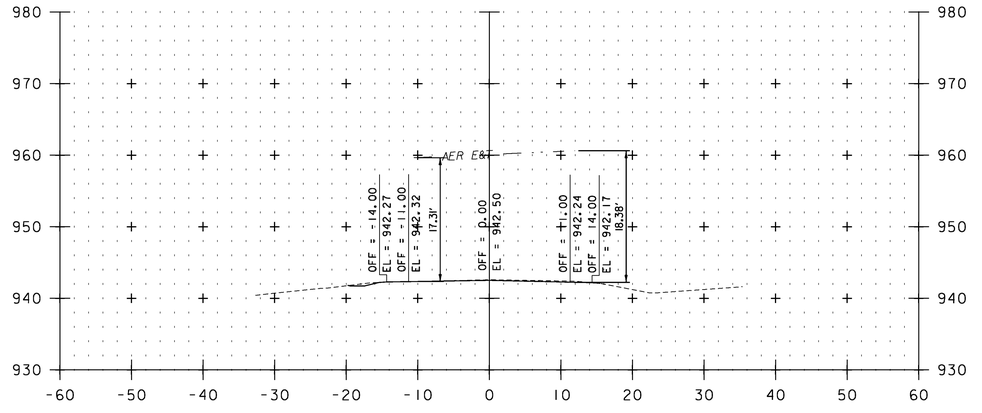
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_210

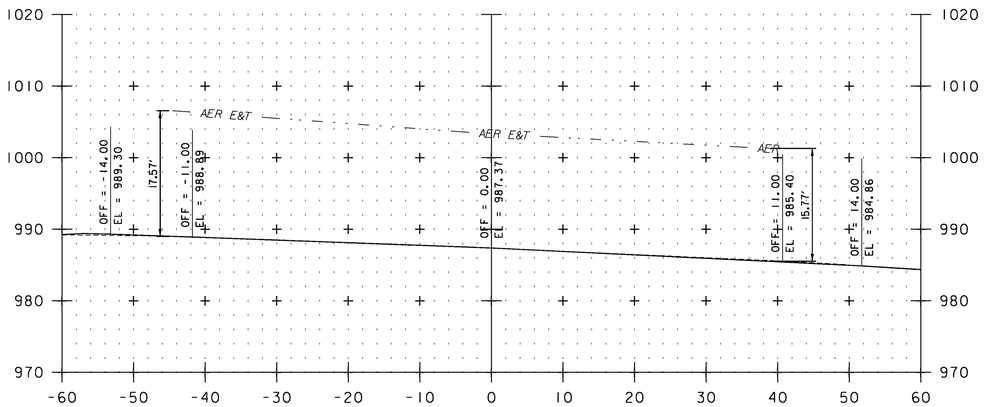
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 210 OF 232



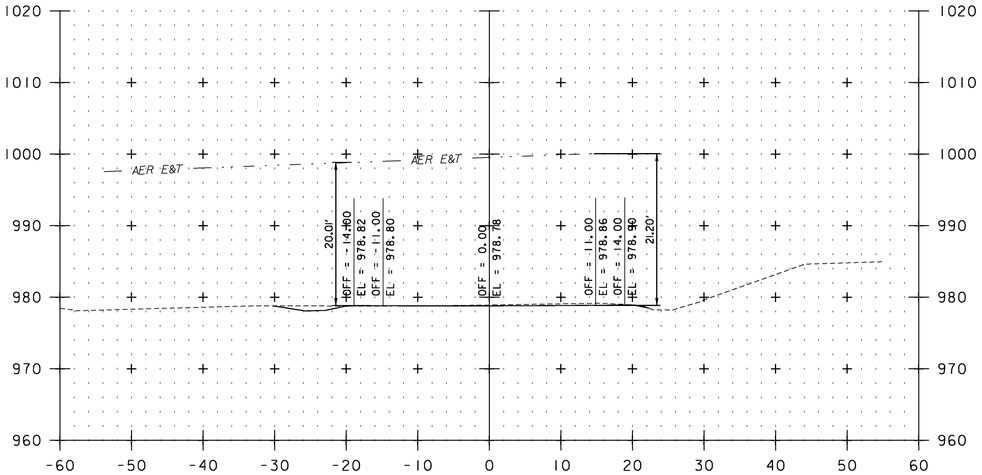
280+50



291+88



279+10



280+94

STA. 279+10 TO STA. 291+88

0 10 20

SCALE IN FEET

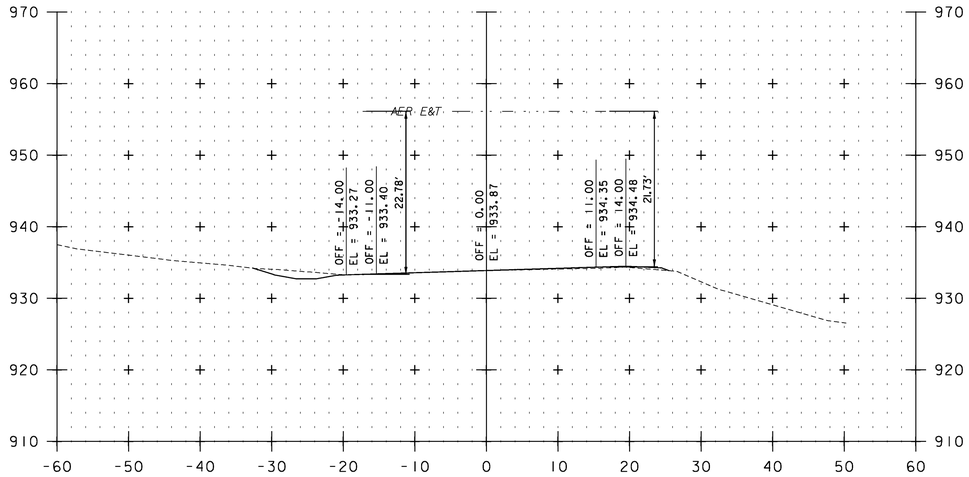
UTILITY CROSS SECTION SHEET 7

PROJECT NAME: VERSHIRE-THETFORD

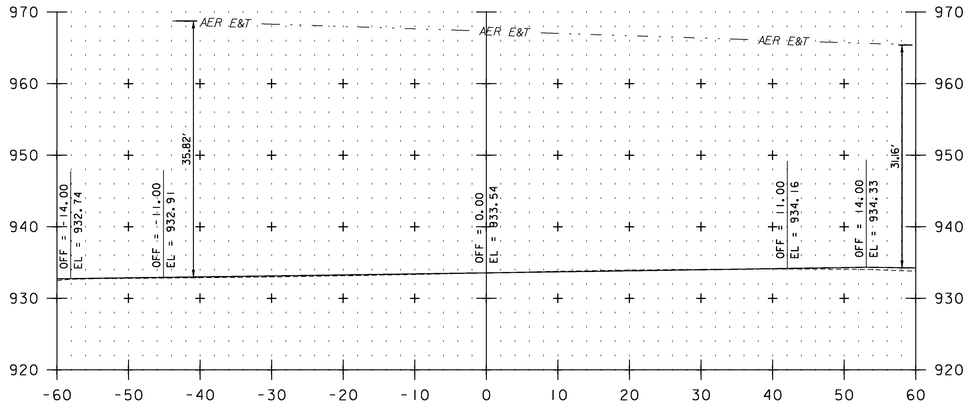
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_211

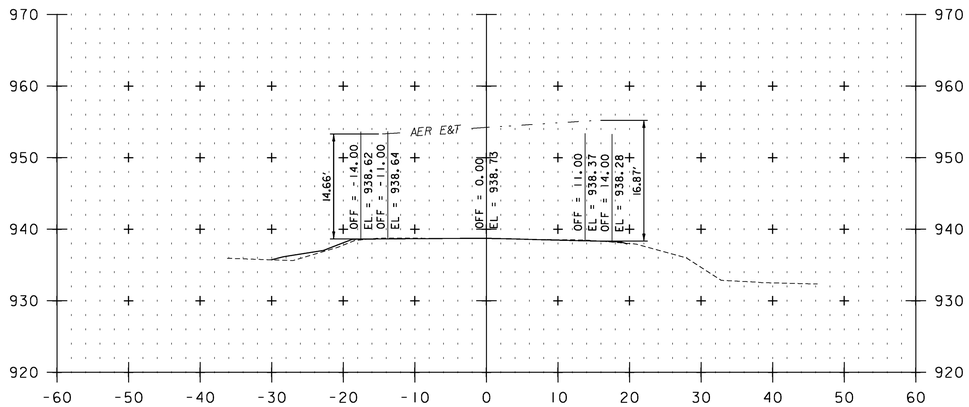
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 211 OF 232



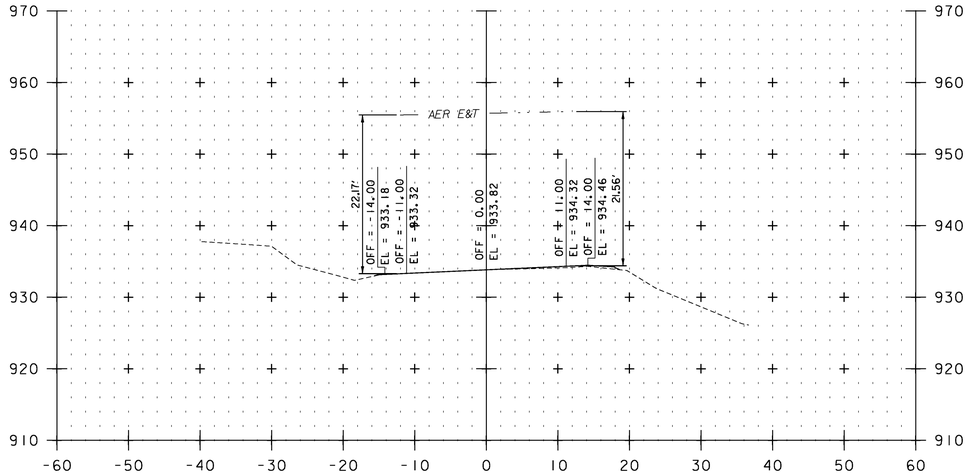
300+91



302+08



294+22



301+10

STA. 294+22 TO STA. 302+08

0 10 20
SCALE IN FEET

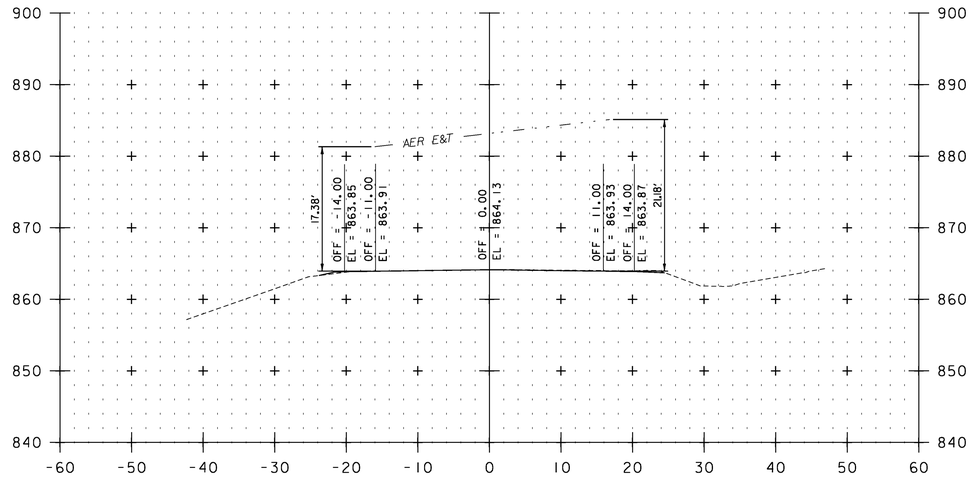
UTILITY CROSS SECTION SHEET 8

PROJECT NAME: VERSHIRE-THETFORD

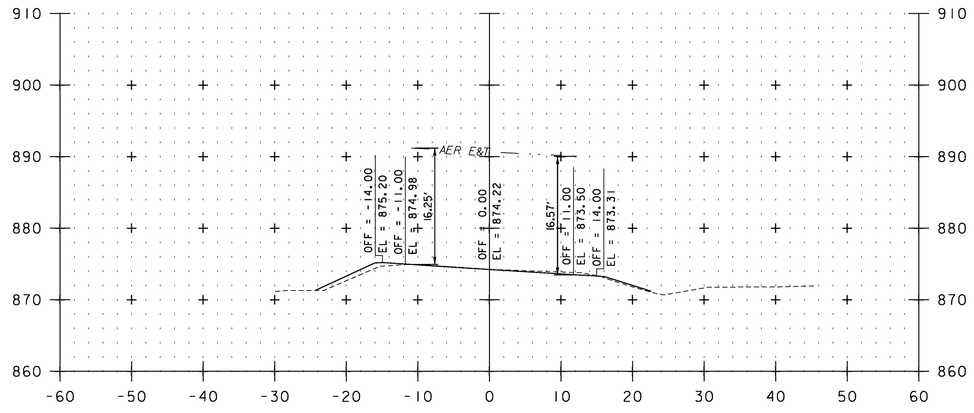
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_212

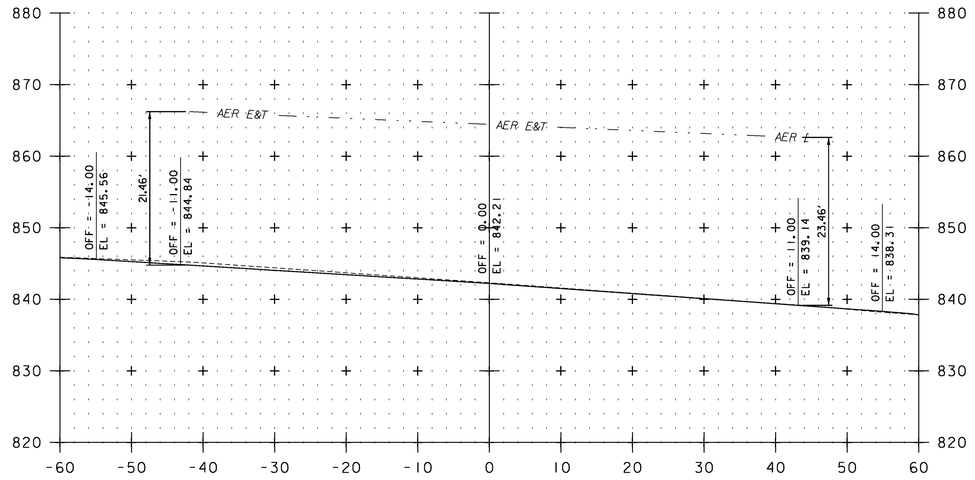
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 212 OF 232



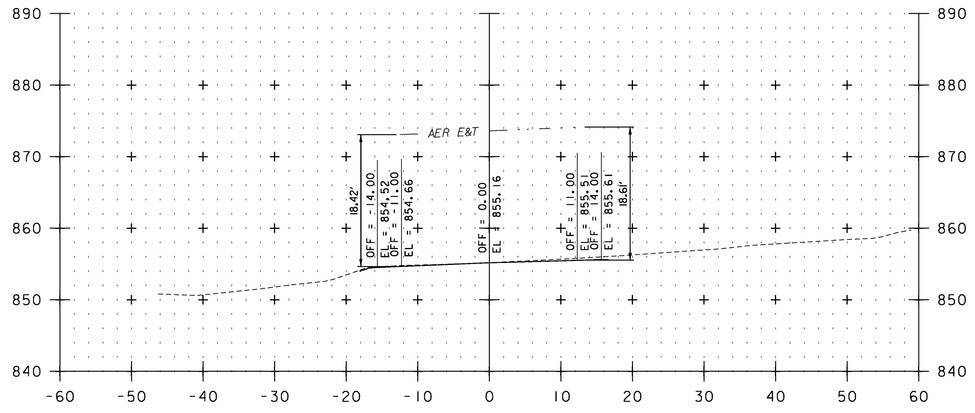
339+99



325+45



350+14



348+06

STA. 325+45 TO STA. 350+14

0 10 20

SCALE IN FEET

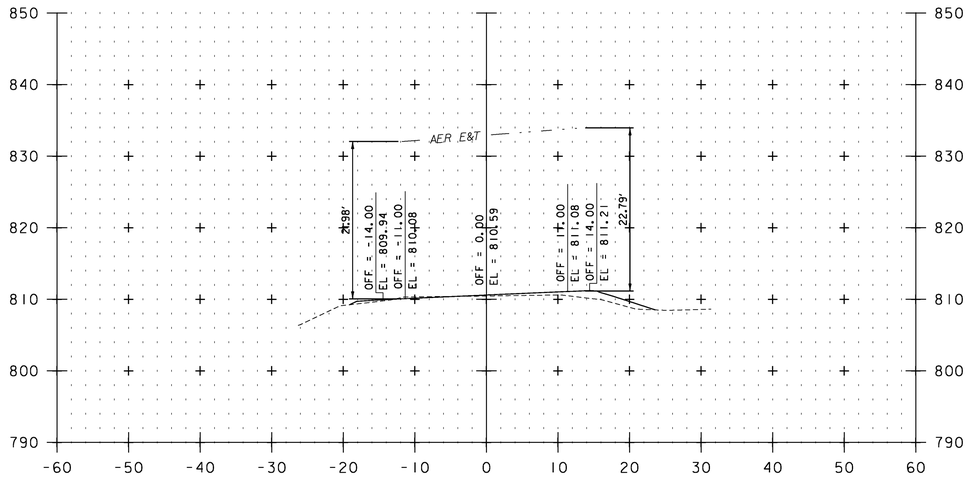
UTILITY CROSS SECTION SHEET 9

PROJECT NAME: VERSHIRE-THETFORD

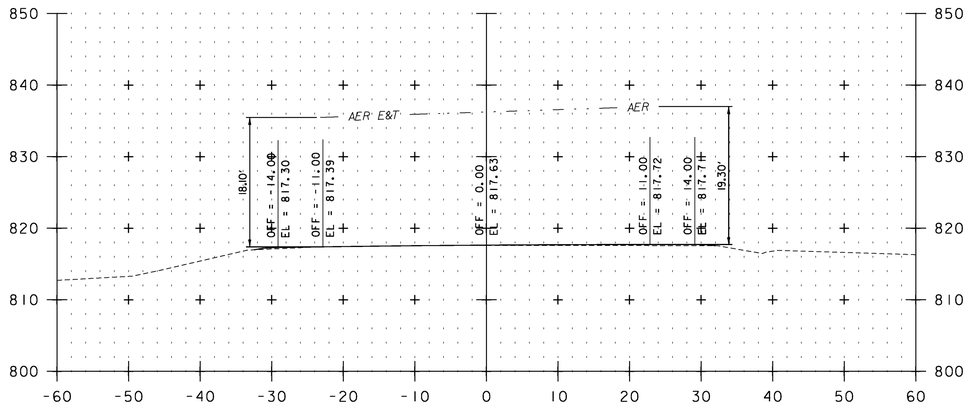
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_213

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 213 OF 232



364+60



359+04

STA. 359+04 TO STA. 364+60

0 10 20

SCALE IN FEET

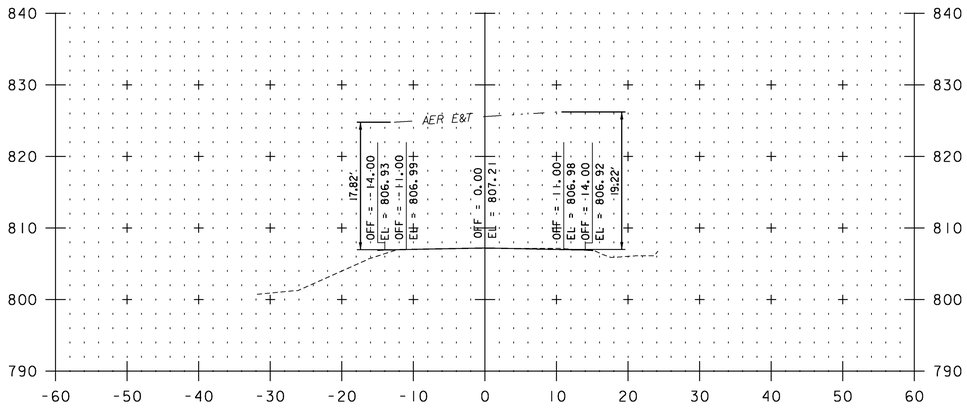
UTILITY CROSS SECTION SHEET 10

PROJECT NAME: VERSHIRE-THETFORD

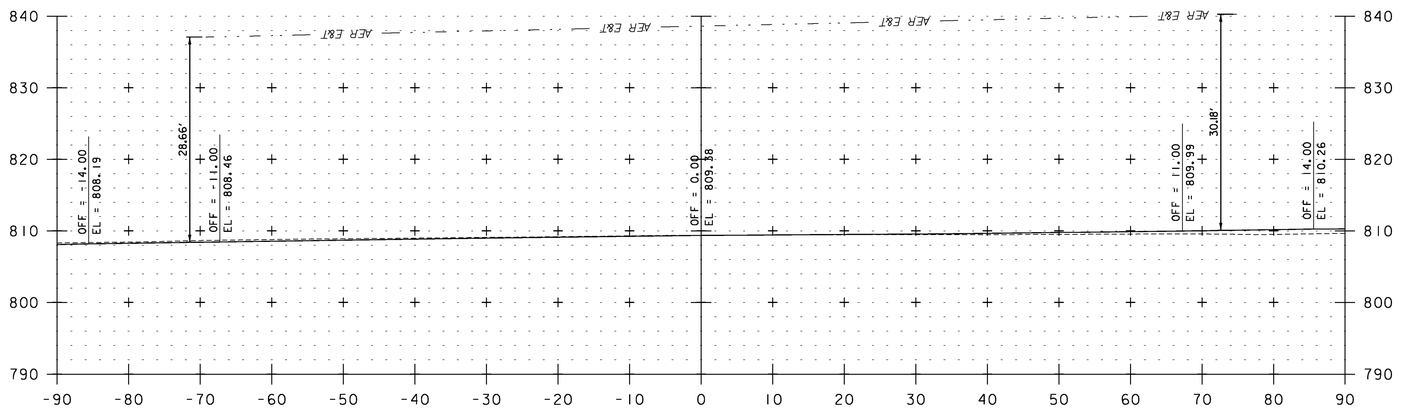
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_214

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 214 OF 232



368+07



366+19

STA. 366+19 TO STA. 368+07

0 10 20

SCALE IN FEET

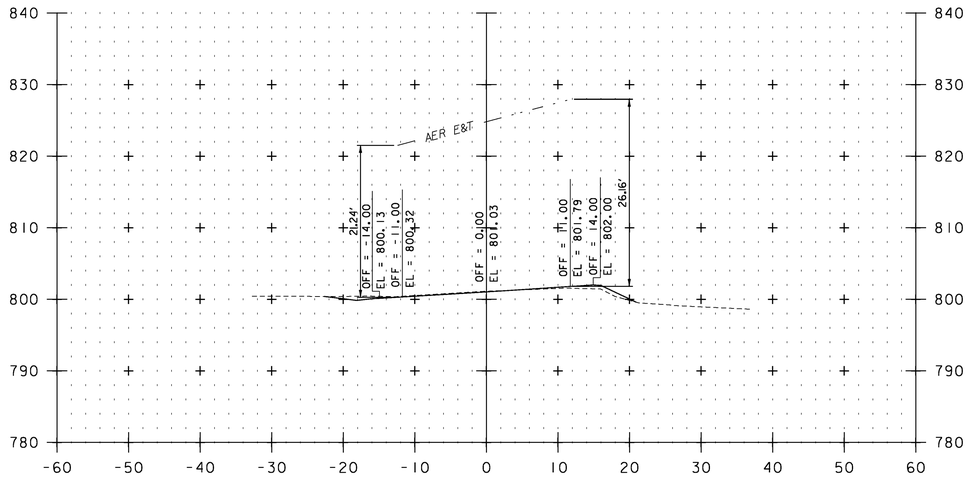
UTILITY CROSS SECTION SHEET 11

PROJECT NAME: VERSHIRE-THETFORD

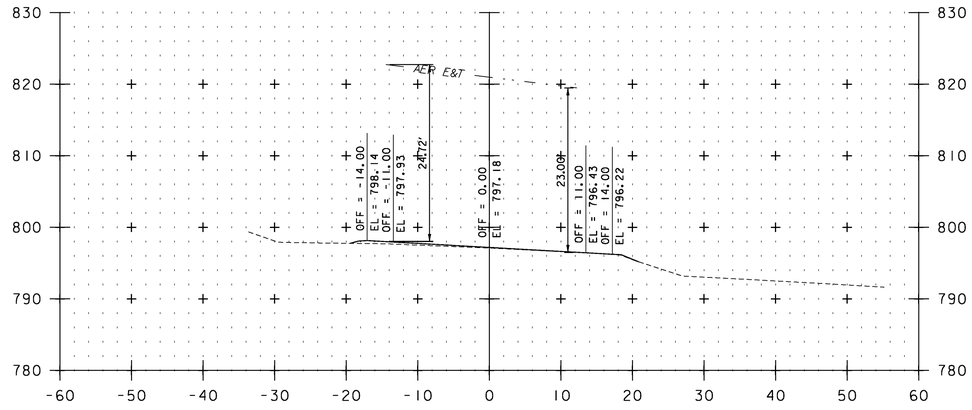
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_215

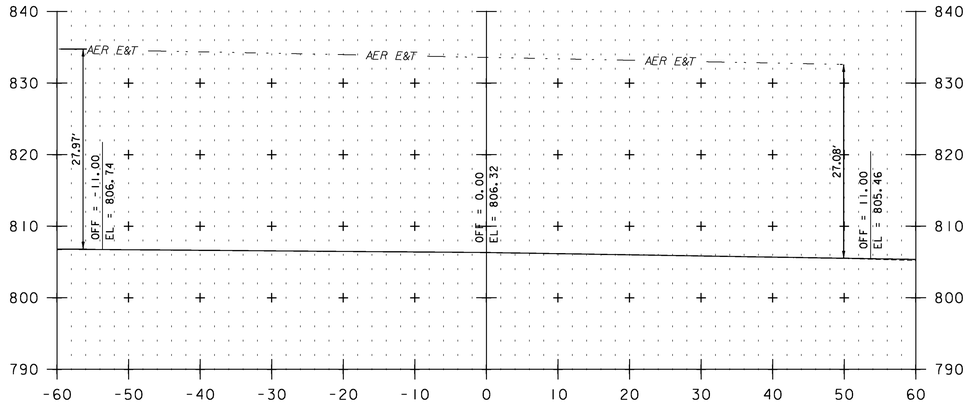
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 215 OF 232



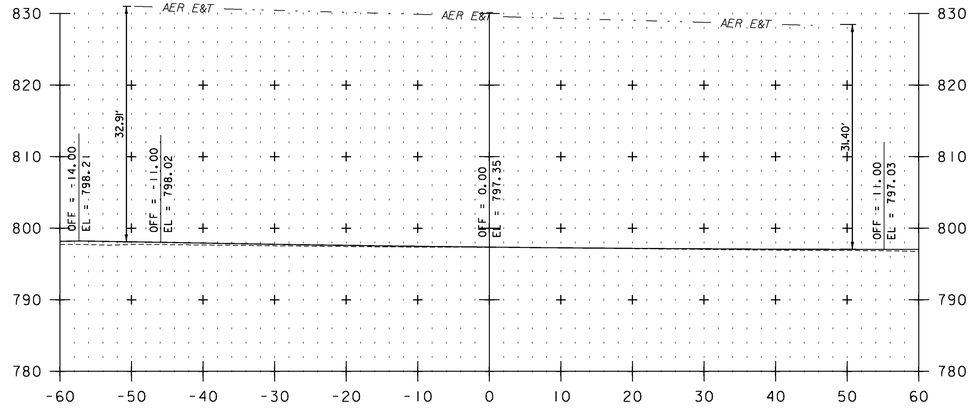
373+14



380+32



368+80



379+55

STA. 368+80 TO STA. 380+32

0 10 20

SCALE IN FEET

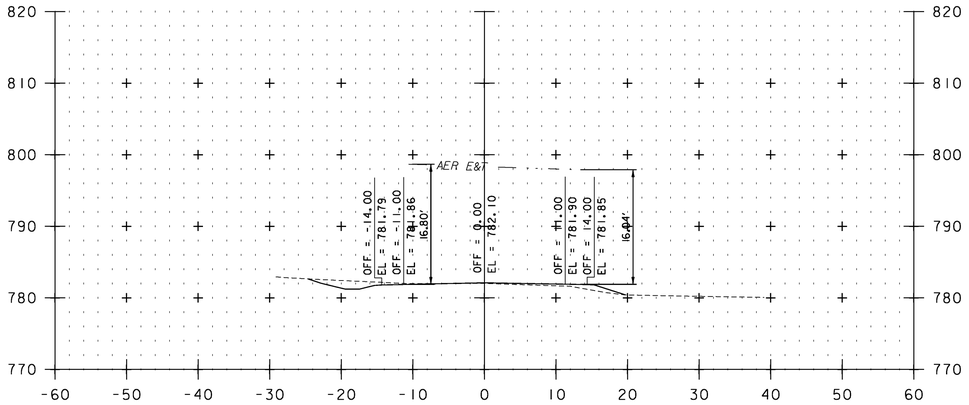
UTILITY CROSS SECTION SHEET 12

PROJECT NAME: VERSHIRE-THETFORD

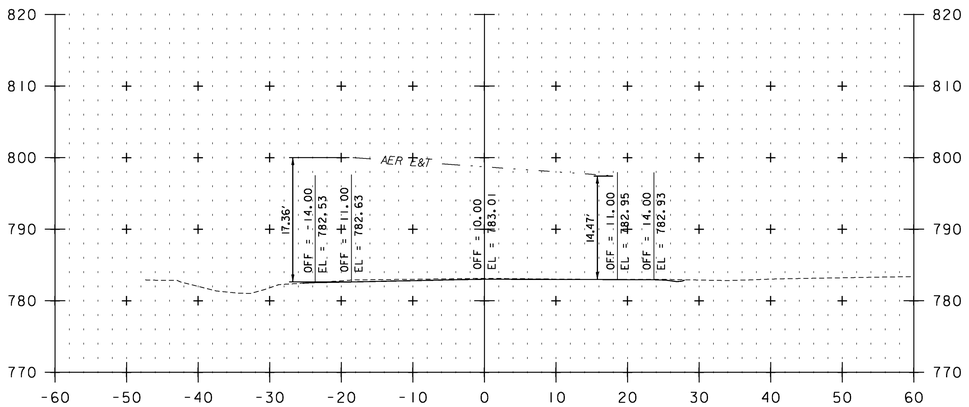
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_216

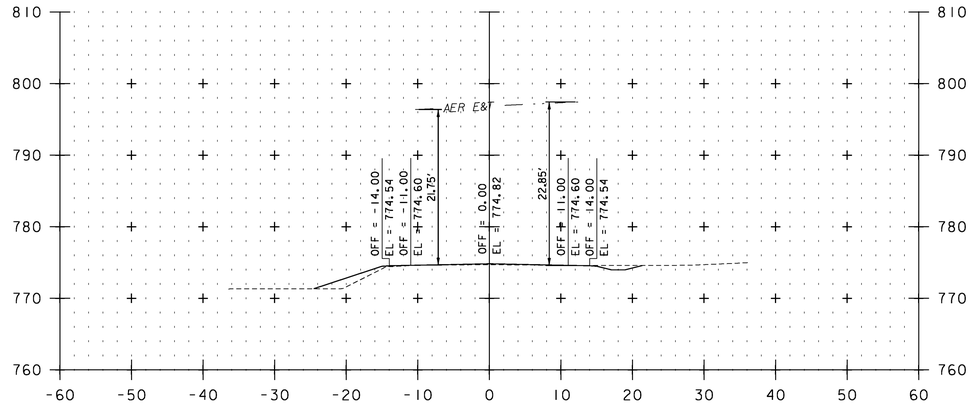
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 216 OF 232



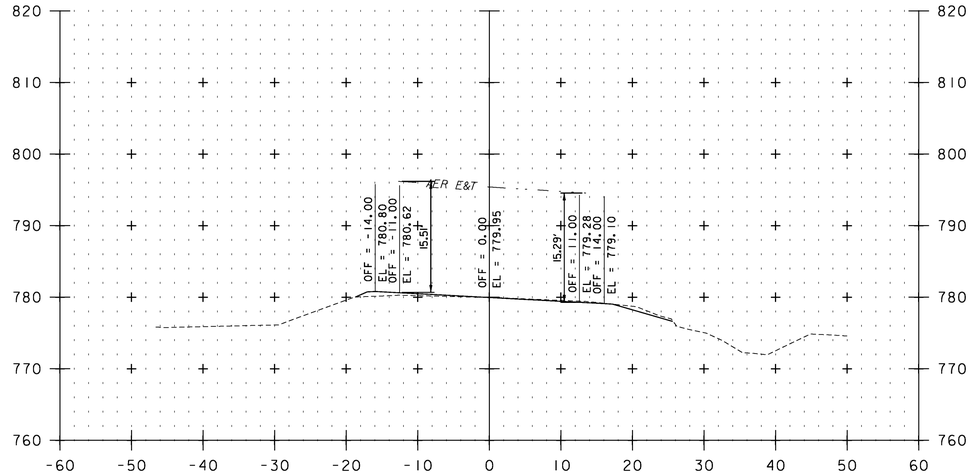
392+88



391+94



403+85



399+22

STA. 391+94 TO STA. 403+85

0 10 20

SCALE IN FEET

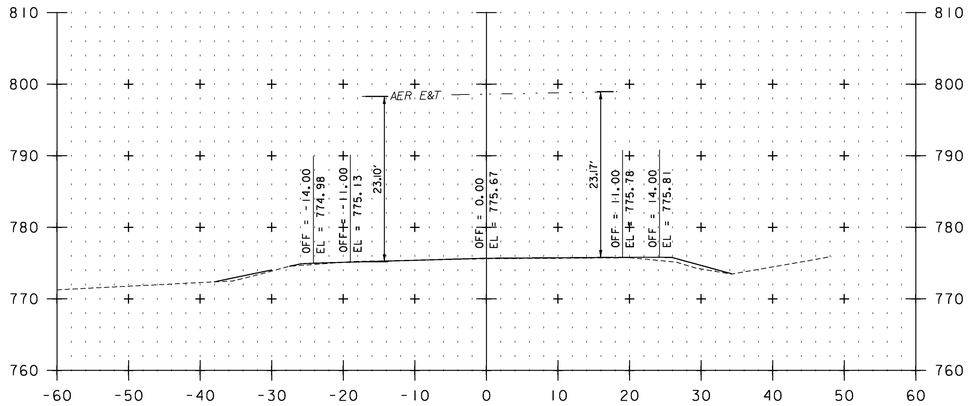
UTILITY CROSS SECTION SHEET 13

PROJECT NAME: VERSHIRE-THETFORD

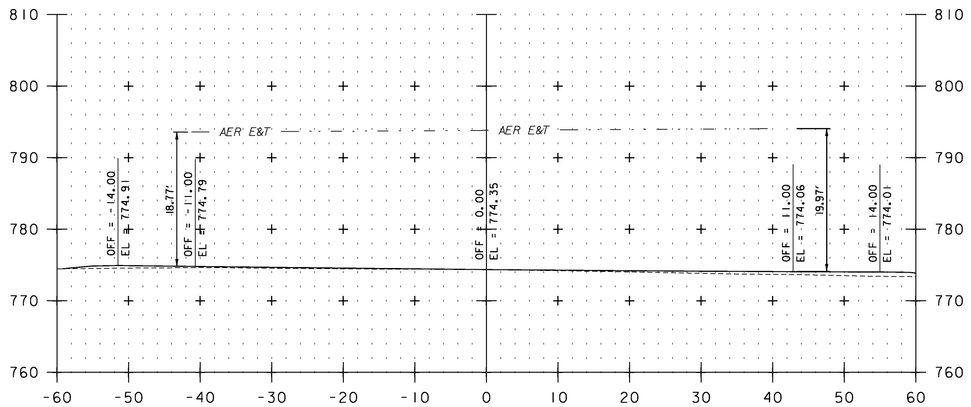
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_217

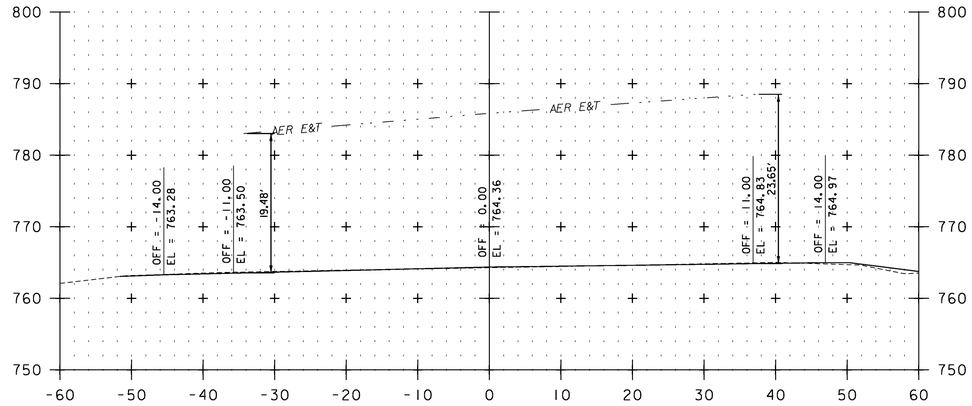
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 217 OF 232



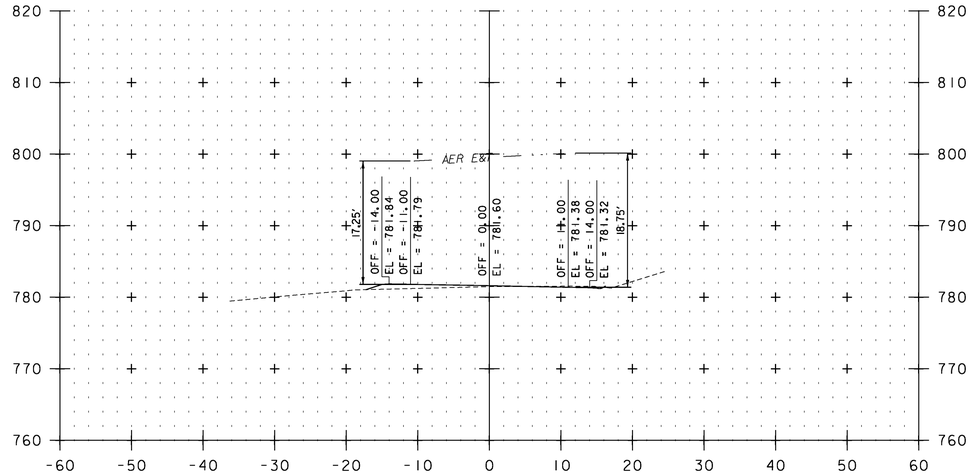
F 8+17



F 0+93



F 31+76



F 19+15

STA. F 0+93 TO STA. F 31+76

0 10 20
SCALE IN FEET

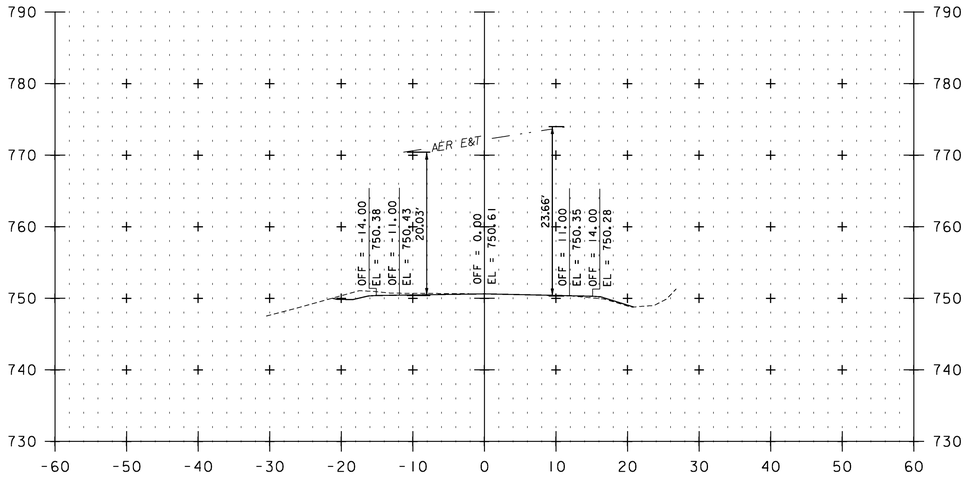
UTILITY CROSS SECTION SHEET 14

PROJECT NAME: VERSHIRE-THETFORD

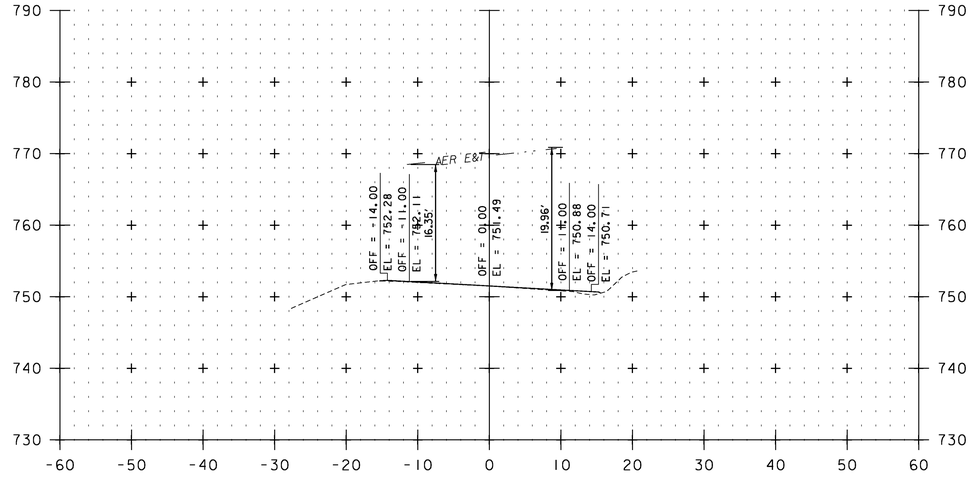
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_218

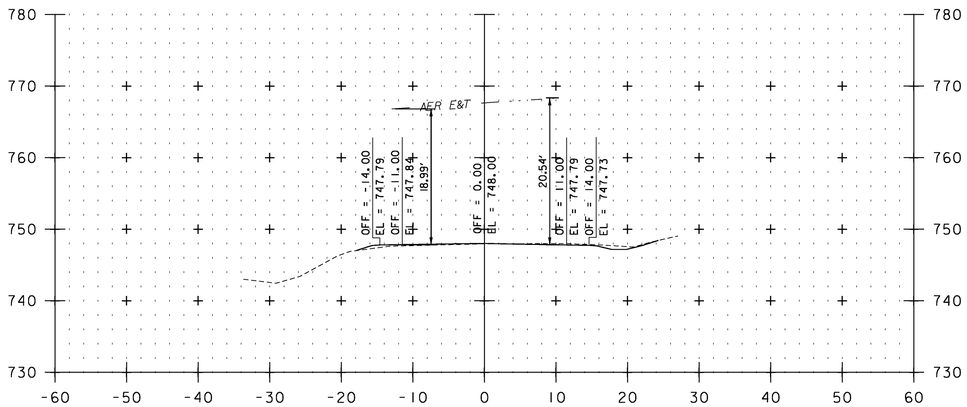
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 218 OF 232



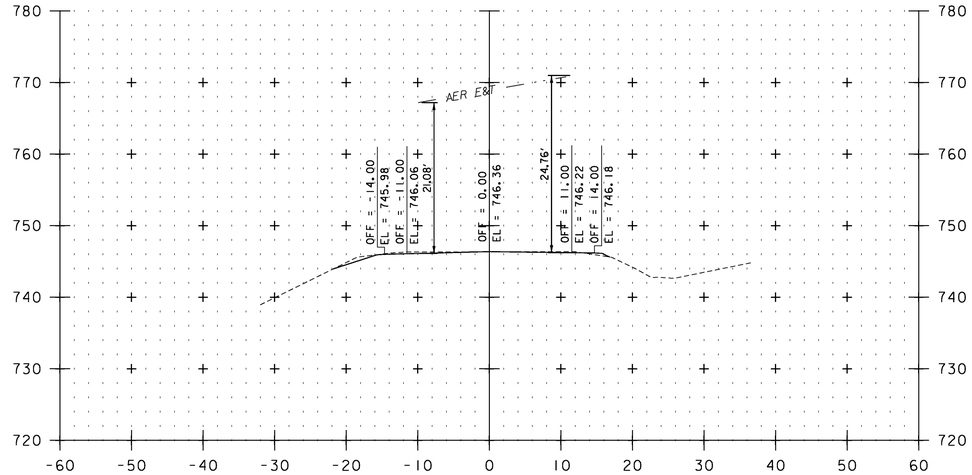
F 52+86



F 65+49



F 47+22



F 62+33

STA. F 47+22 TO STA. F 65+49

0 10 20
SCALE IN FEET

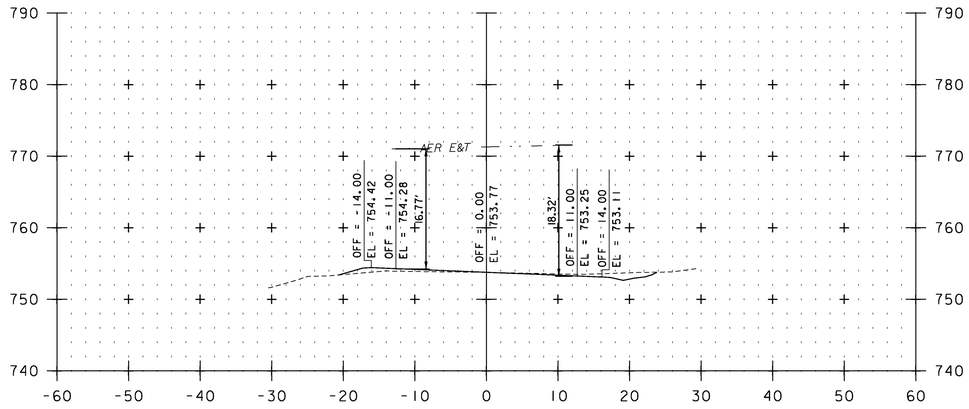
UTILITY CROSS SECTION SHEET 15

PROJECT NAME: VERSHIRE-THETFORD

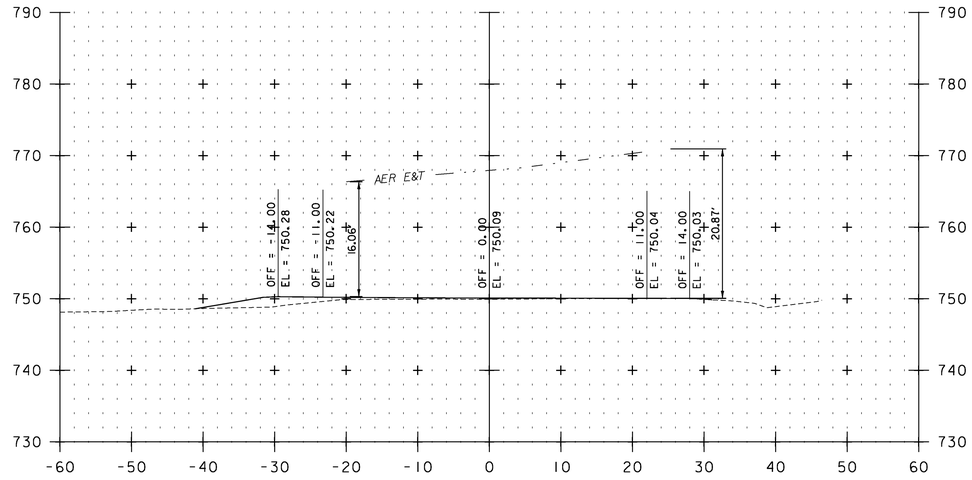
PROJECT NUMBER: STP 291(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_219

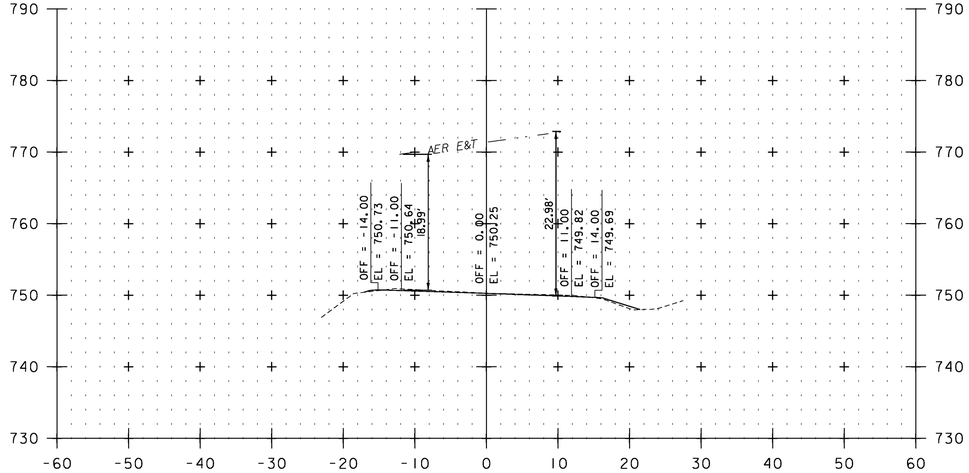
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
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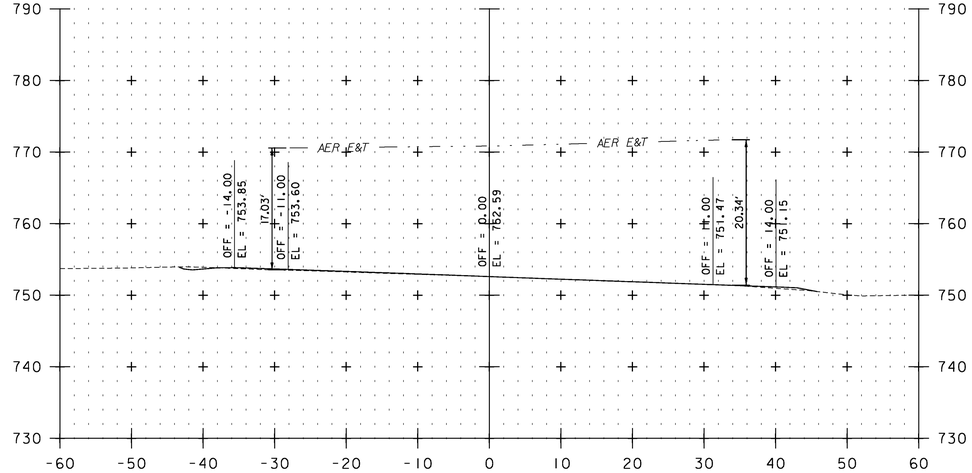
F 69+14



F 71+64



F 67+16



F 70+51

STA. F 67+16 TO STA. F 71+64

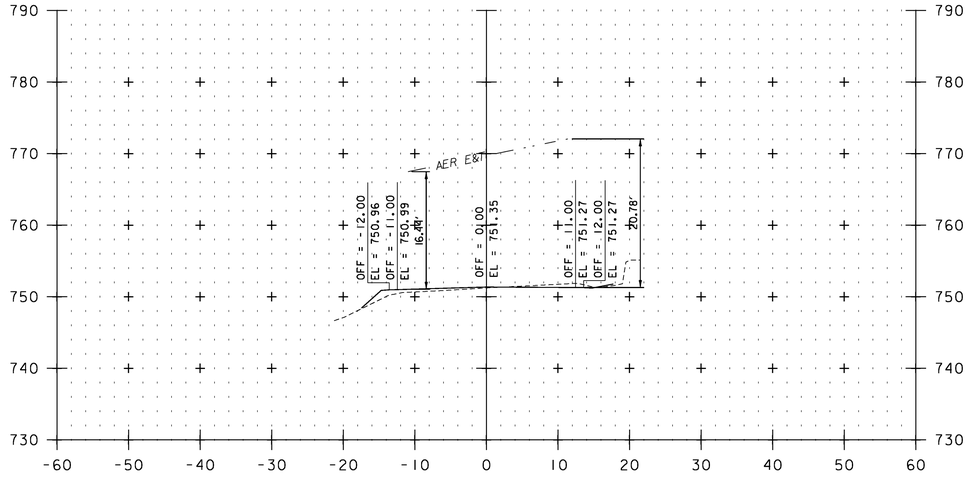
0 10 20
SCALE IN FEET

UTILITY CROSS SECTION SHEET 16

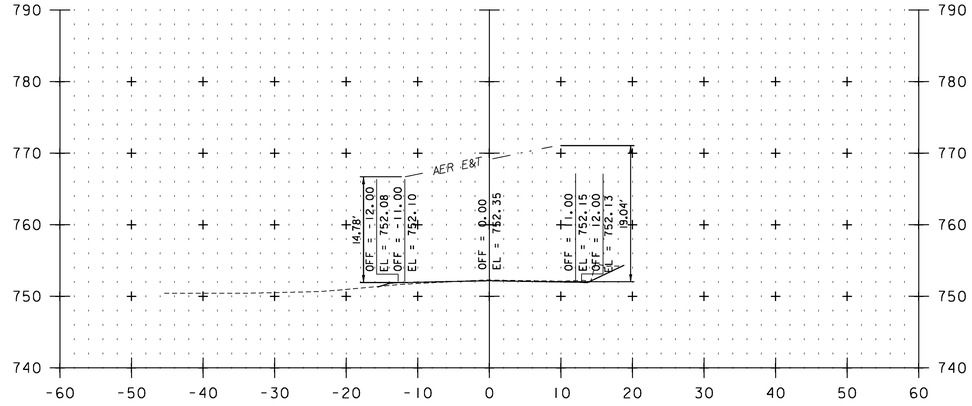
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_220

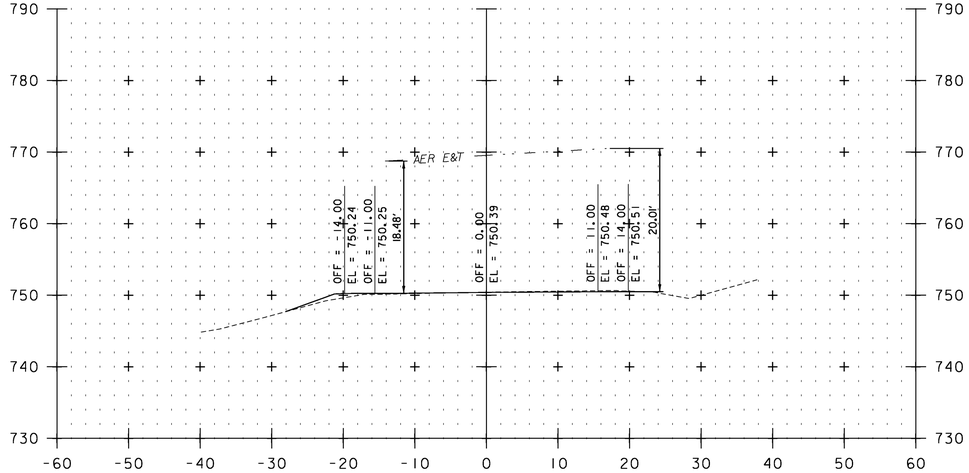
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
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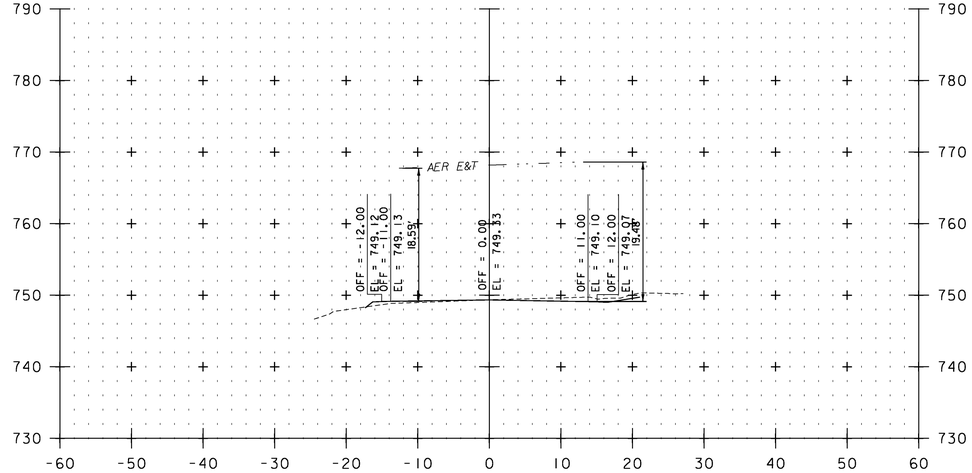
F 87+34



F 91+24



F 72+92



F 88+81

STA. F 72+92 TO STA. F 91+24

0 10 20
SCALE IN FEET

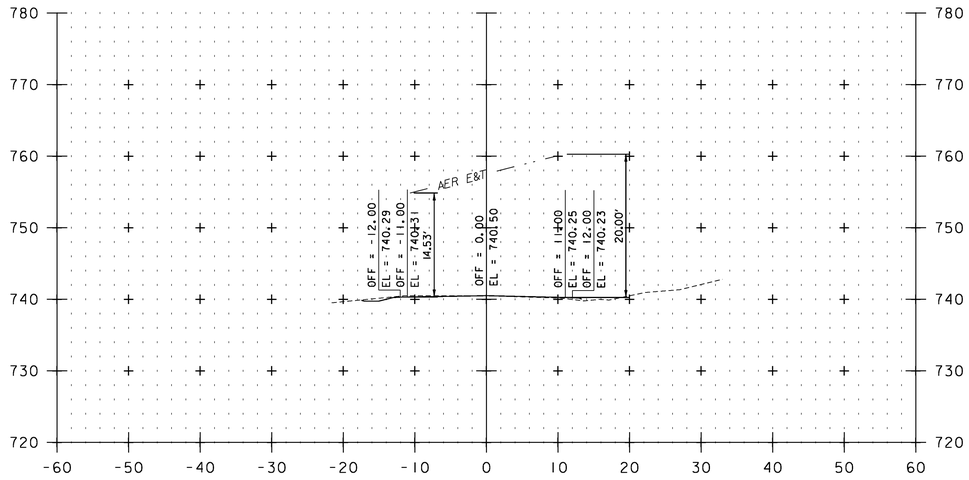
UTILITY CROSS SECTION SHEET 17

PROJECT NAME: VERSHIRE-THETFORD

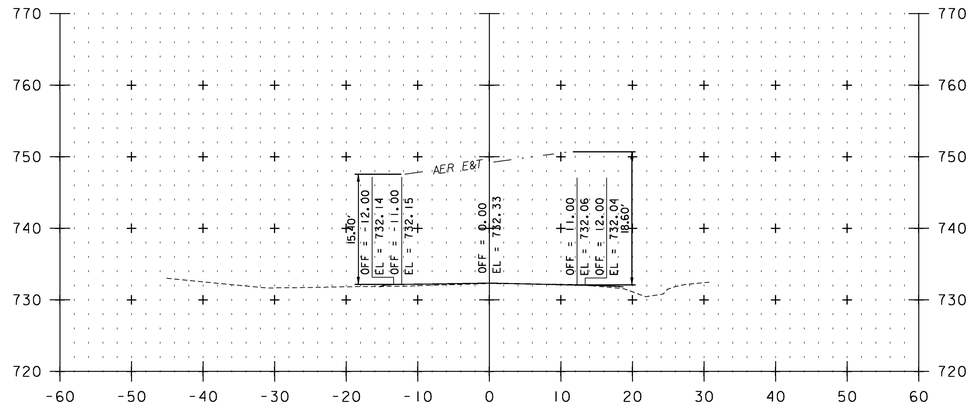
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_221

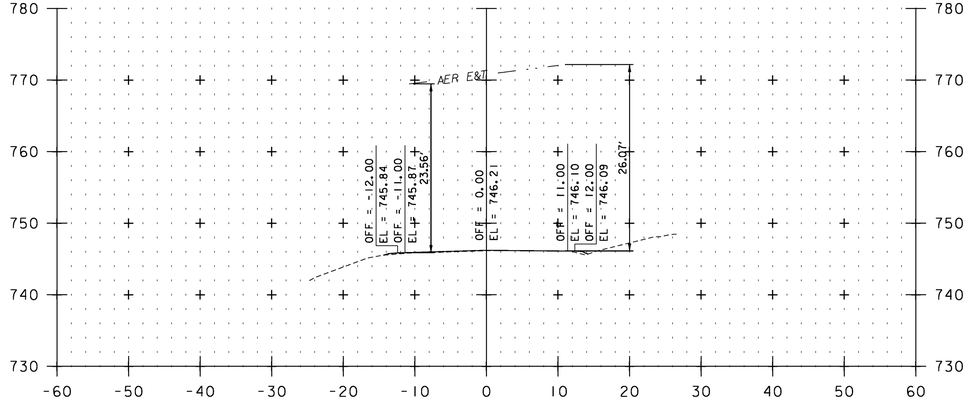
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
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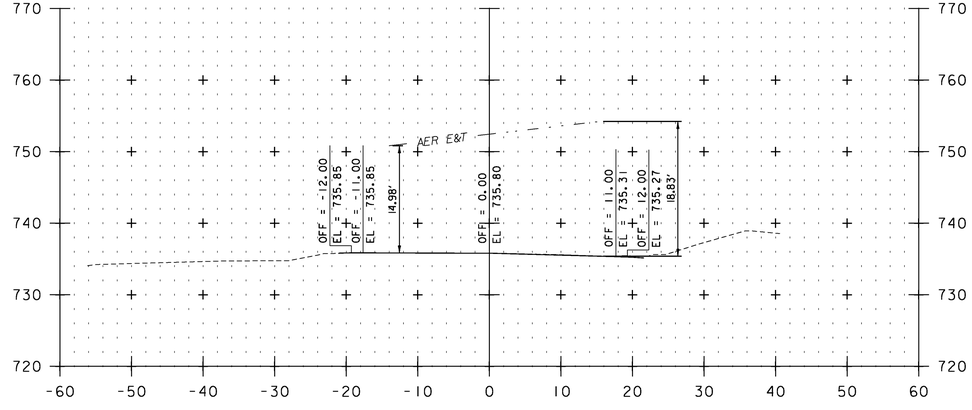
F 94+40



F 98+21



F 93+00



F 96+14

STA. F 93+00 TO STA. F 98+21

0 10 20

SCALE IN FEET

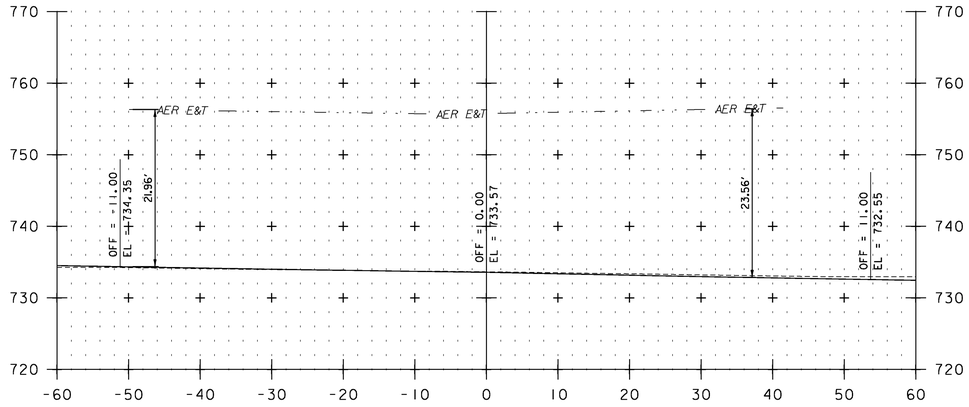
UTILITY CROSS SECTION SHEET 18

PROJECT NAME: VERSHIRE-THETFORD

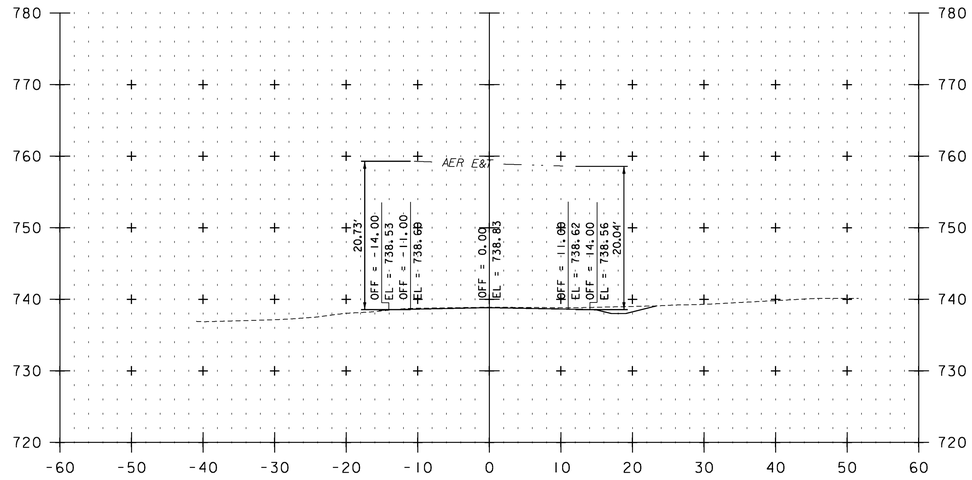
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_222

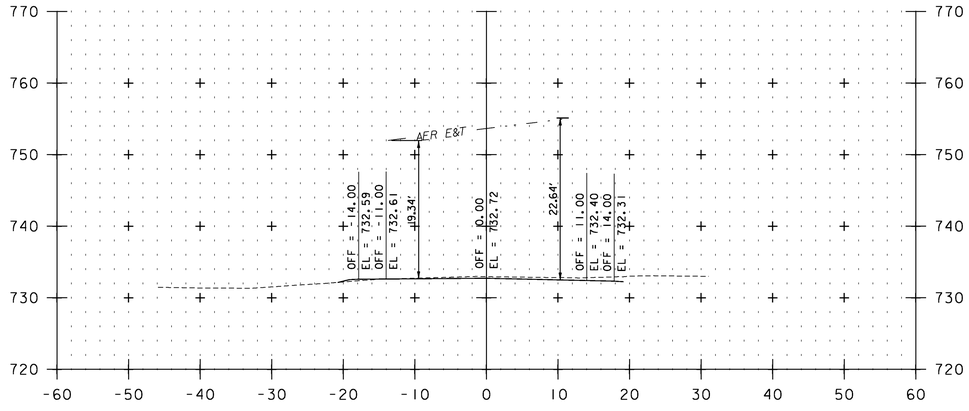
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
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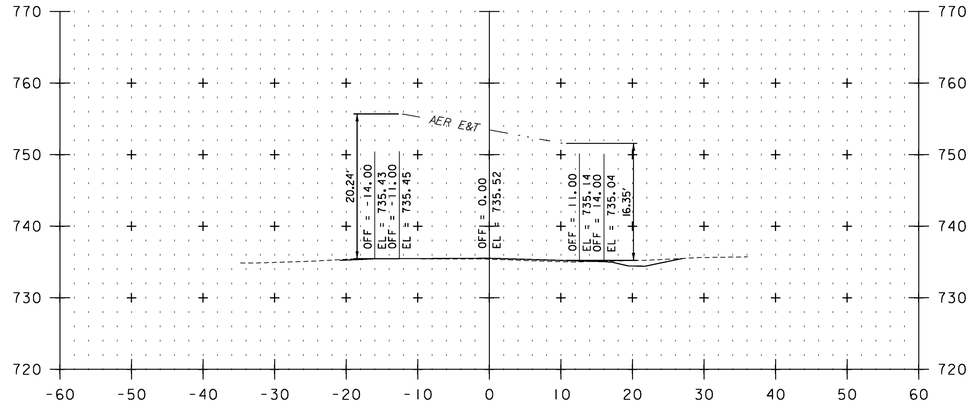
F 100+87



F 103+24



F 100+31



F 101+76

STA. F 100+31 TO STA. F 103+24

0 10 20

SCALE IN FEET

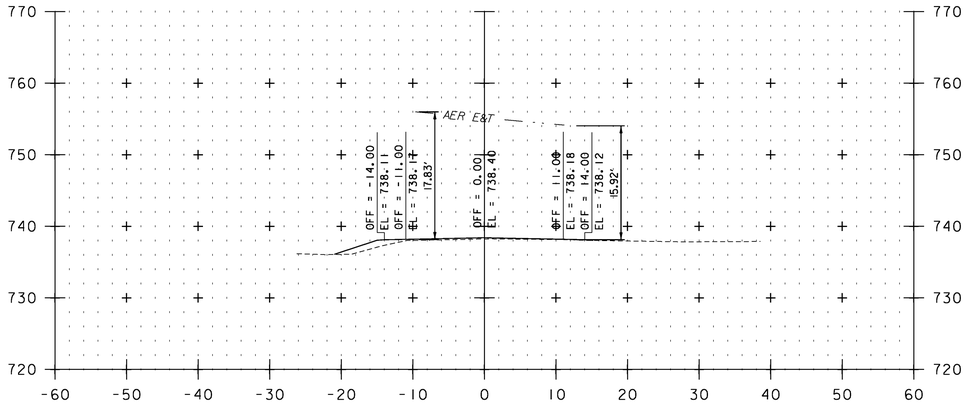
UTILITY CROSS SECTION SHEET 19

PROJECT NAME: VERSHIRE-THETFORD

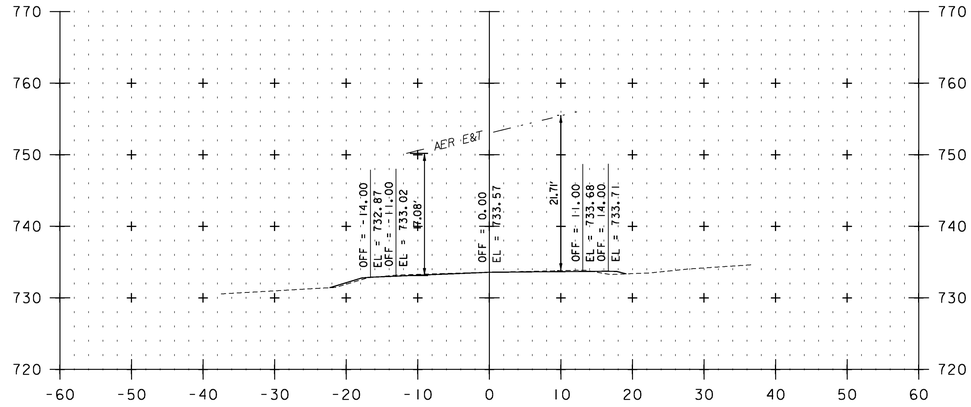
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_223

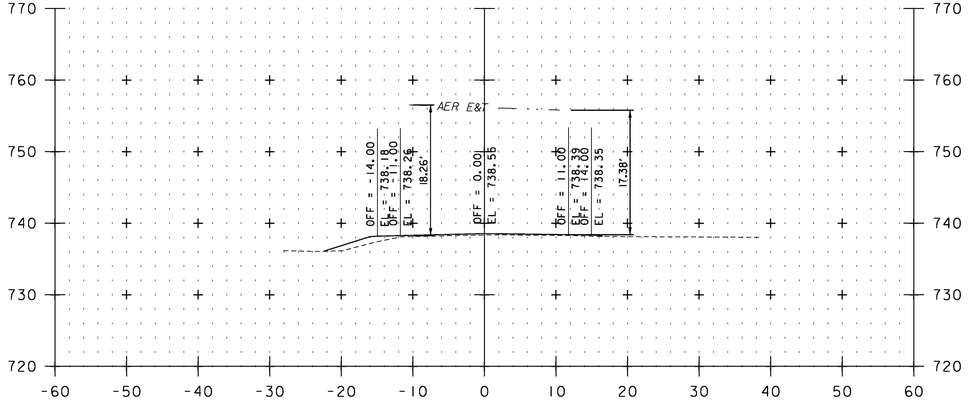
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
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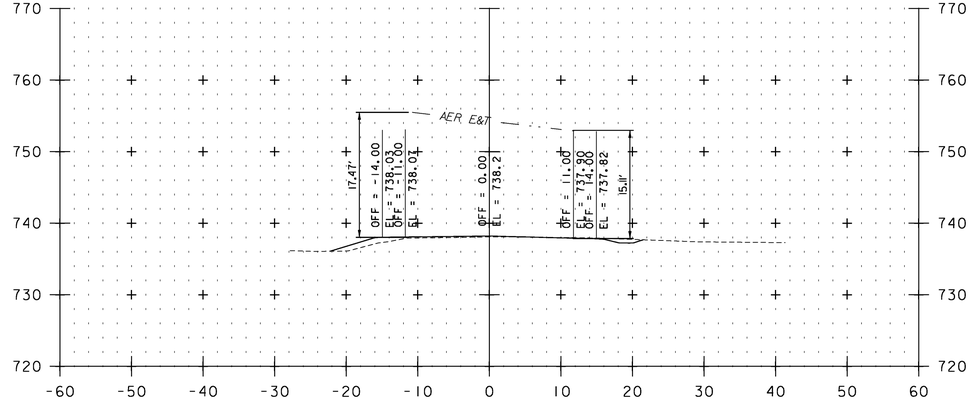
F 104+63



F 106+08



F 104+54



F 104+73

STA. F 104+54 TO STA. F 106+08

0 10 20

SCALE IN FEET

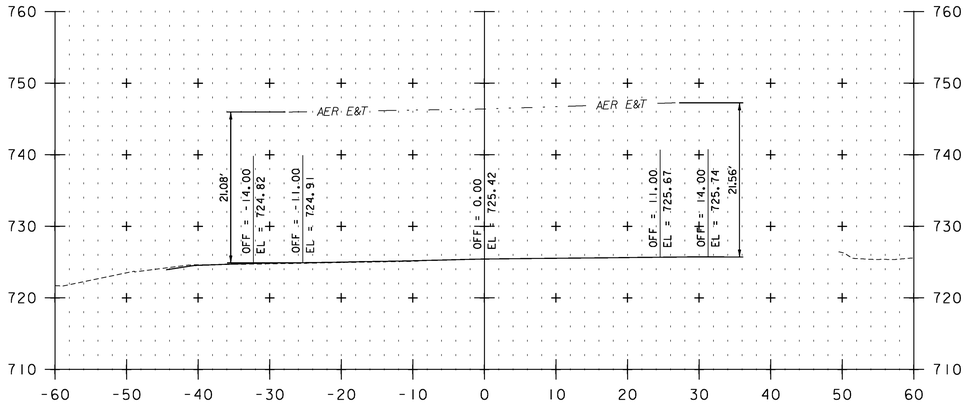
UTILITY CROSS SECTION SHEET 20

PROJECT NAME: VERSHIRE-THETFORD

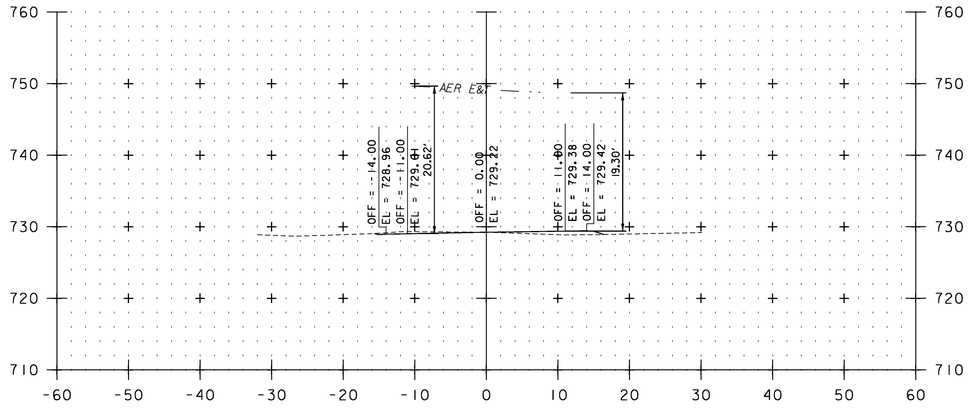
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_224

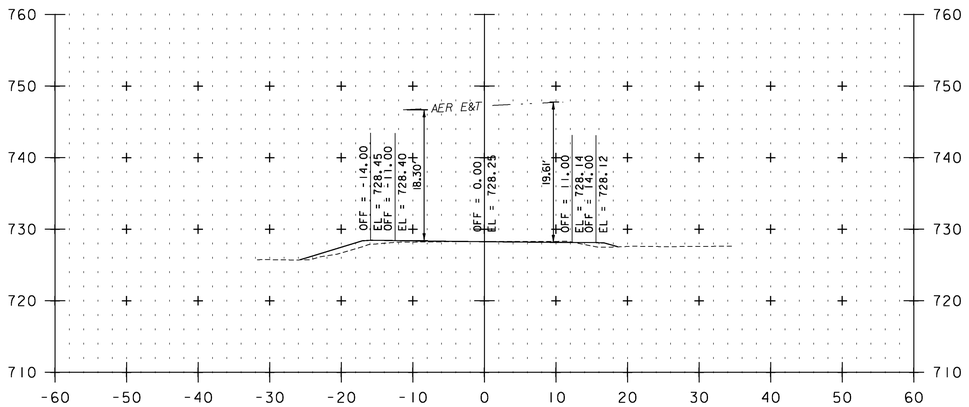
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 224 OF 232



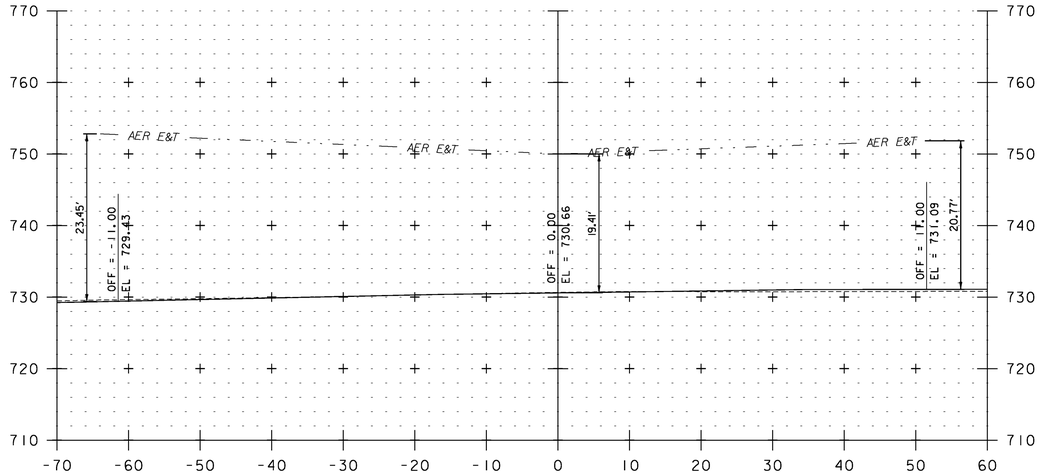
F 111+22



F 115+20



F 107+53



F 114+34

STA. F 107+53 TO STA. F 115+20

0 10 20
SCALE IN FEET

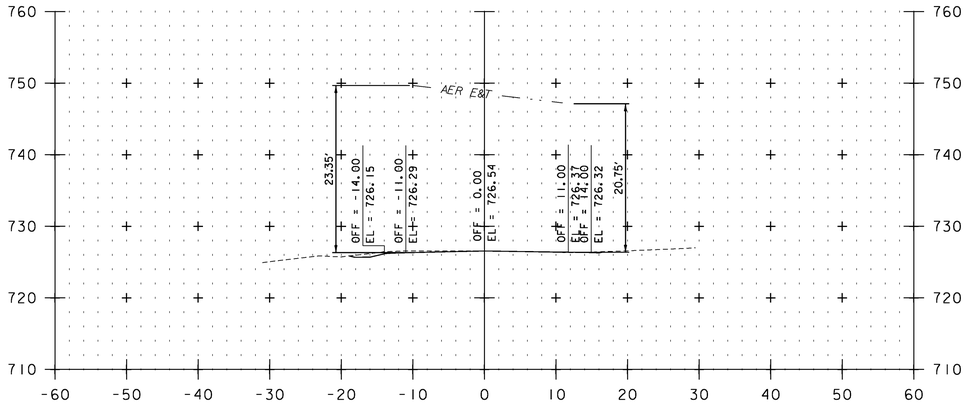
UTILITY CROSS SECTION SHEET 21

PROJECT NAME: VERSHIRE-THETFORD

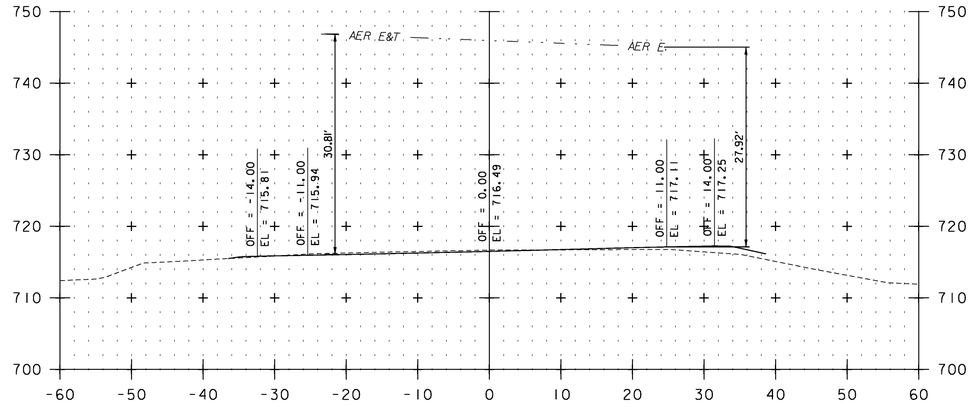
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_225

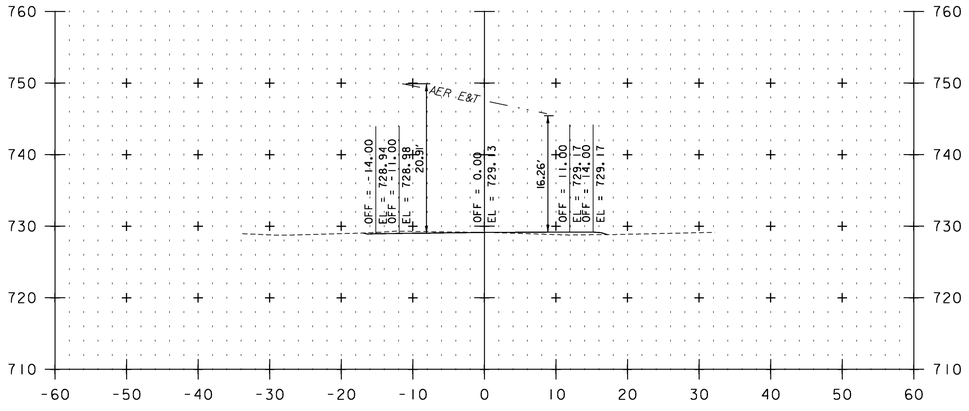
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 225 OF 232



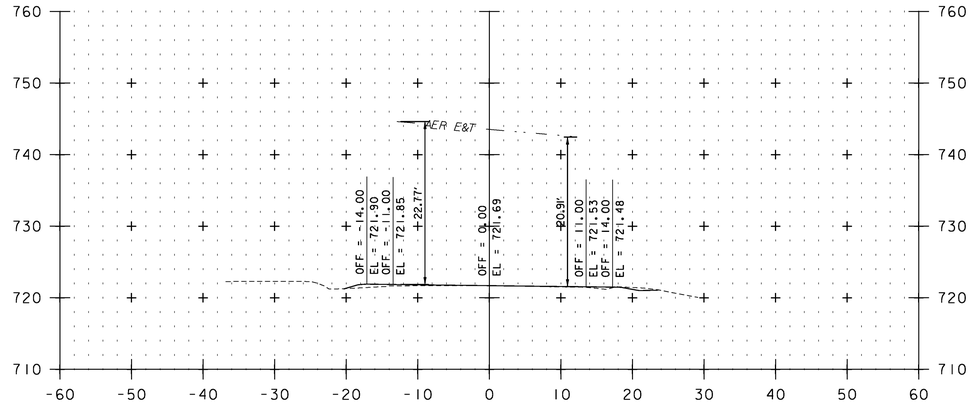
F 117+34



F 122+06



F 115+26



F 120+25

STA. F 115+26 TO STA. F 122+06

0 10 20

SCALE IN FEET

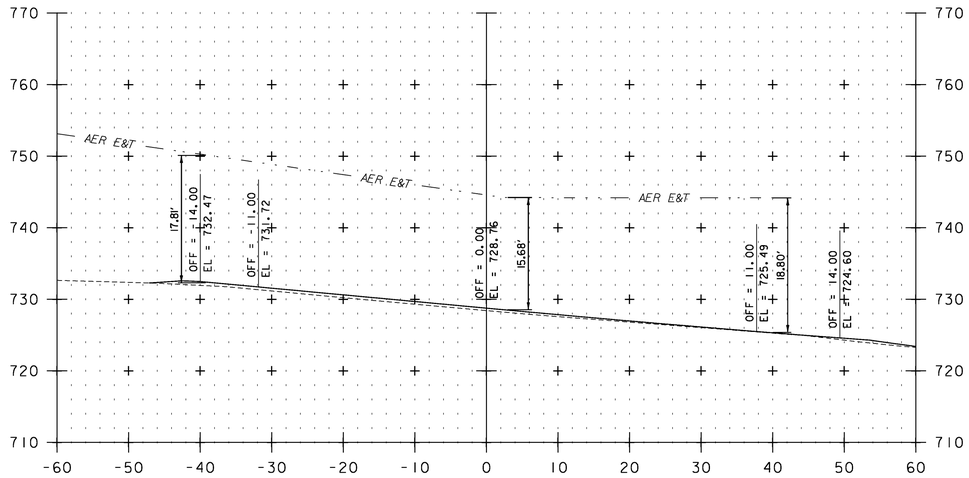
UTILITY CROSS SECTION SHEET 22

PROJECT NAME: VERSHIRE-THETFORD

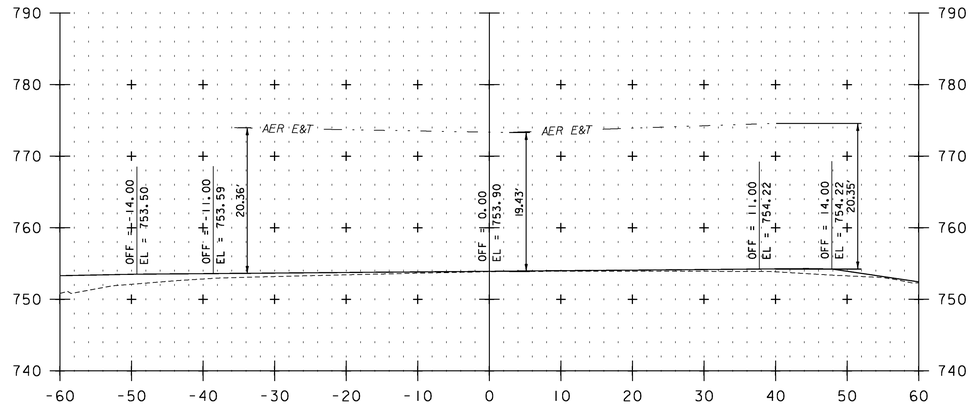
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_226

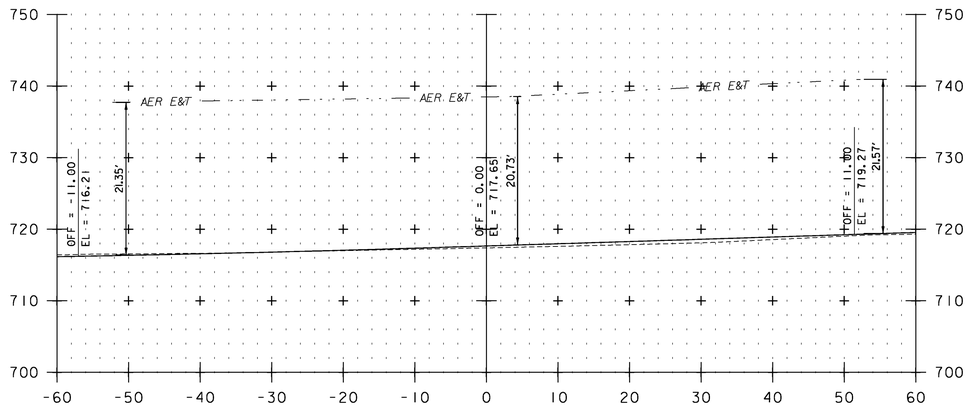
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 226 OF 232



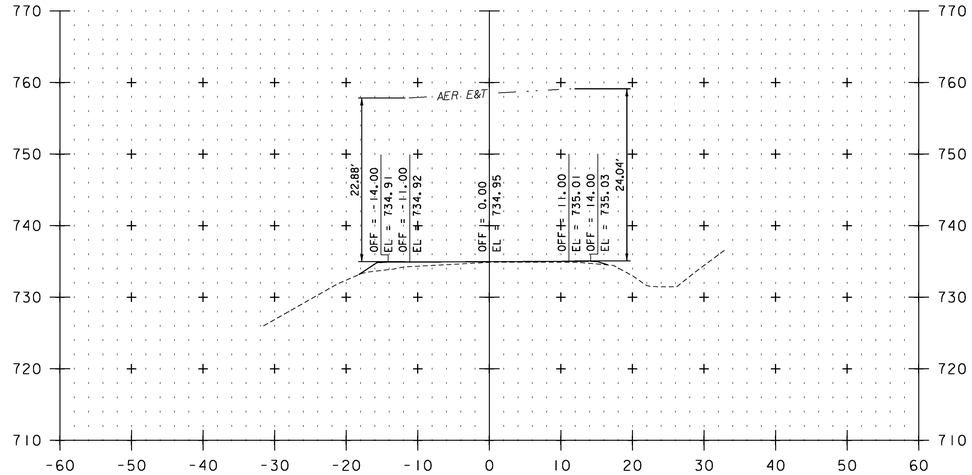
F 125+87



F 136+32



F 123+71



F 128+11

STA. F 123+71 TO STA. F 136+32

0 10 20

SCALE IN FEET

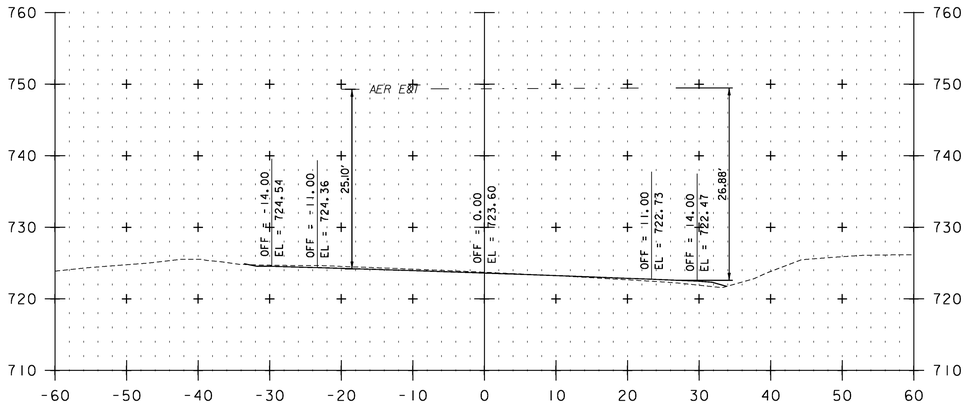
UTILITY CROSS SECTION SHEET 23

PROJECT NAME: VERSHIRE-THETFORD

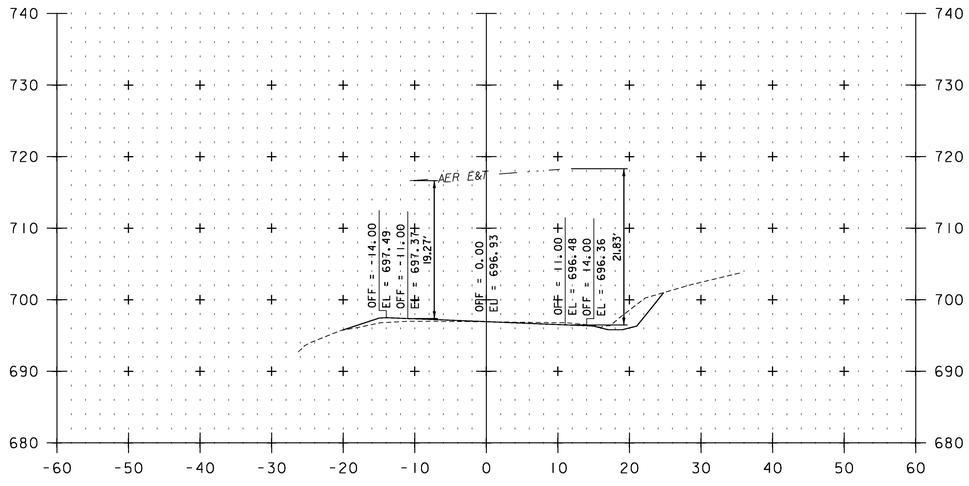
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_227

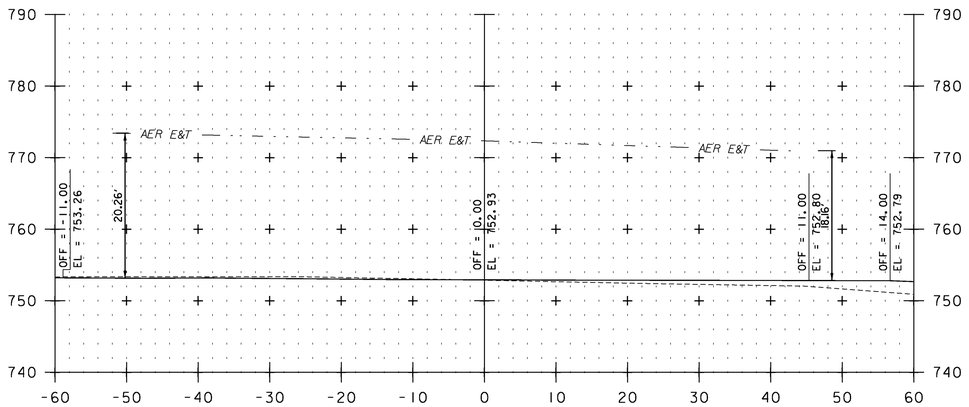
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 227 OF 232



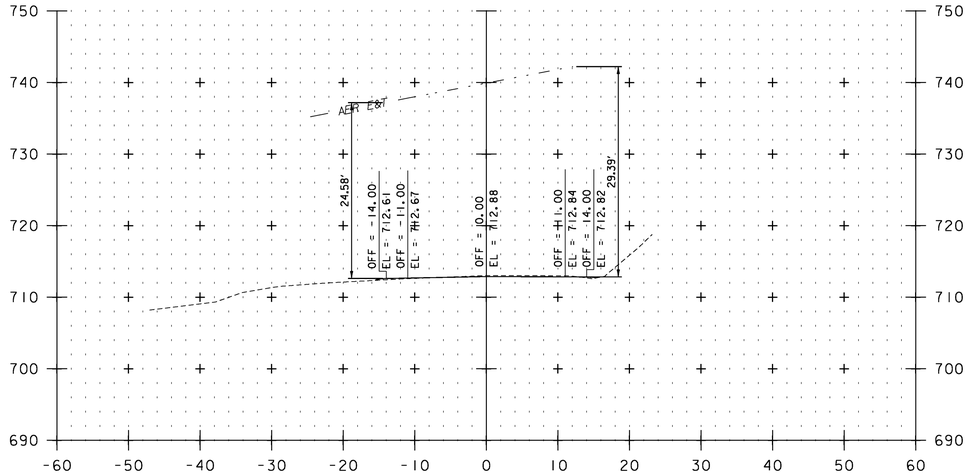
F 147+37



T 6+44



F 137+88



T 2+49

STA. F 137+88 TO STA. T 6+44

0 10 20

SCALE IN FEET

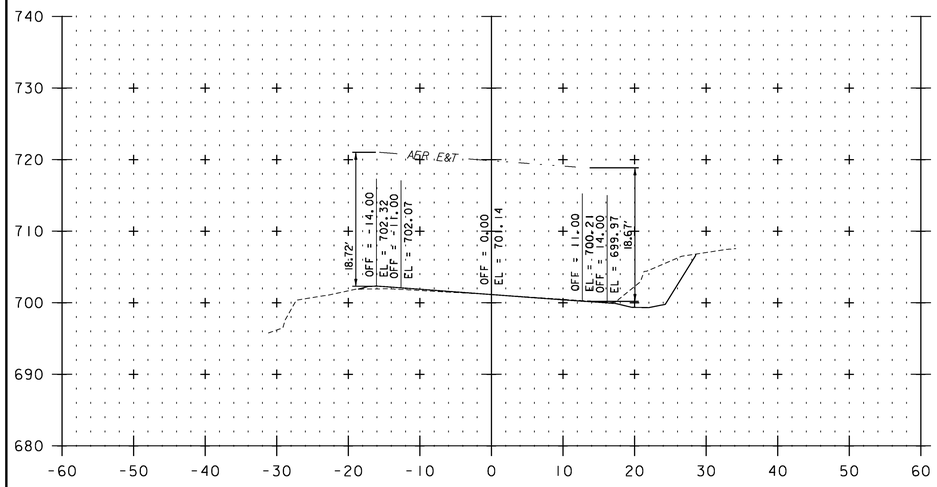
UTILITY CROSS SECTION SHEET 24

PROJECT NAME: VERSHIRE-THETFORD

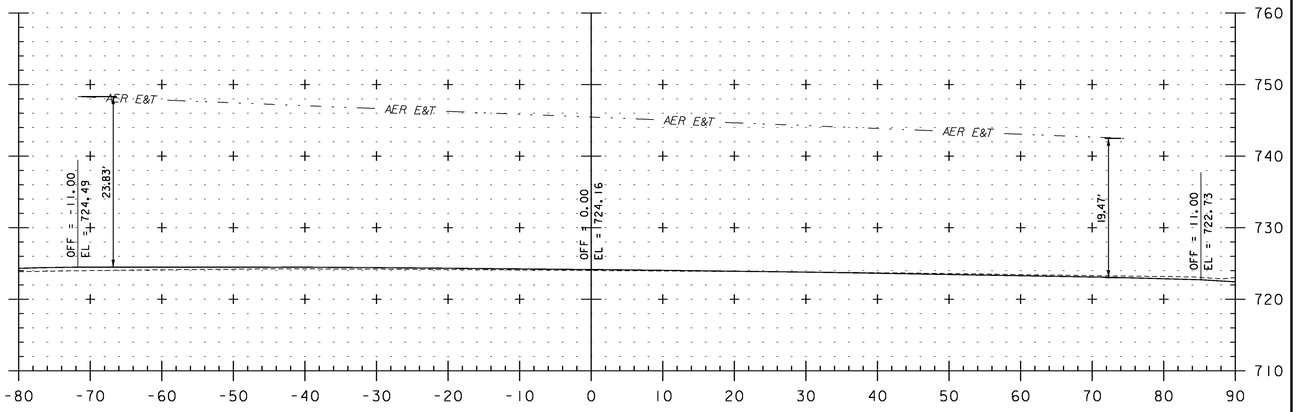
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_228

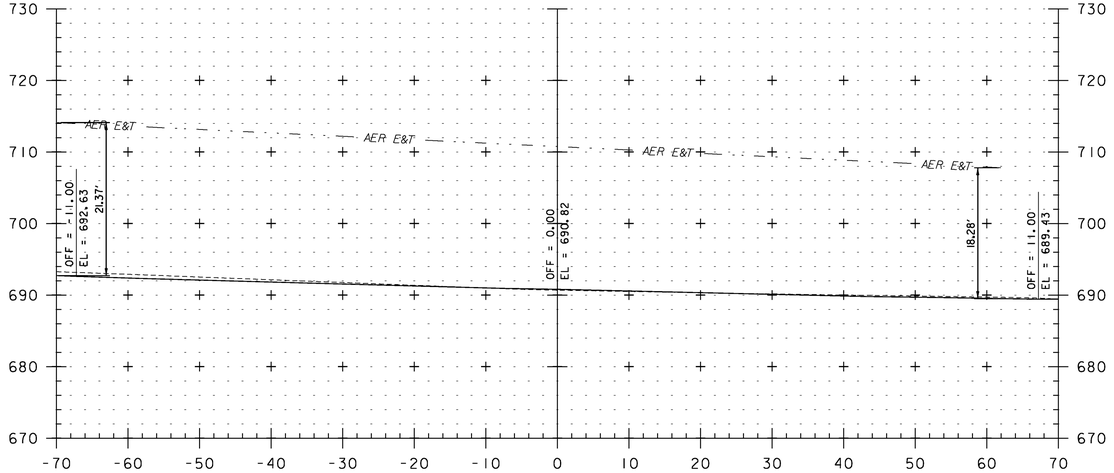
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 228 OF 232



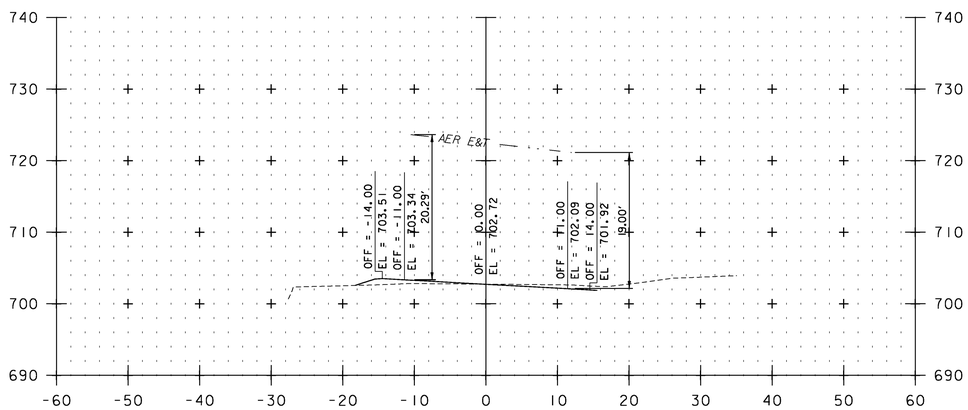
T 14+20



T 24+76



T 11+43



T 18+66

STA. T 11+43 TO STA. T 24+76

0 10 20
SCALE IN FEET

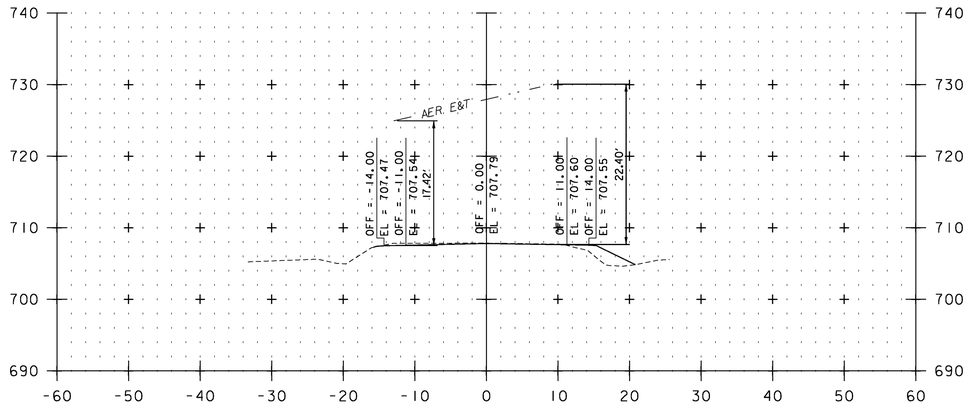
UTILITY CROSS SECTION SHEET 25

PROJECT NAME: VERSHIRE-THETFORD

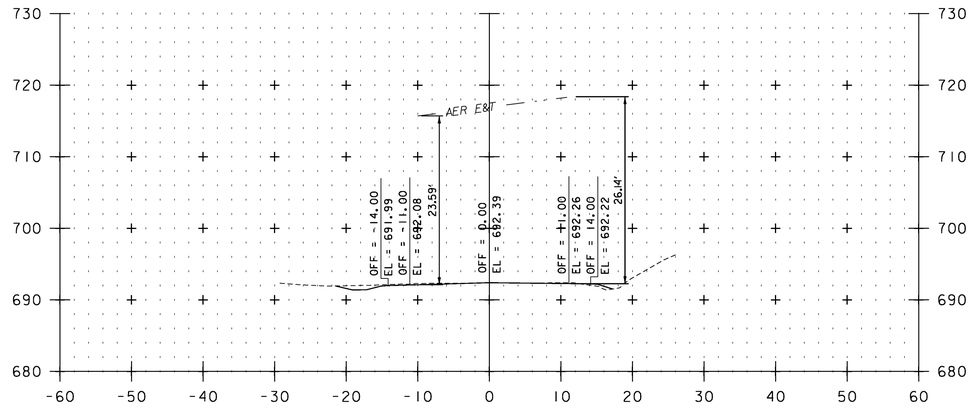
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_229

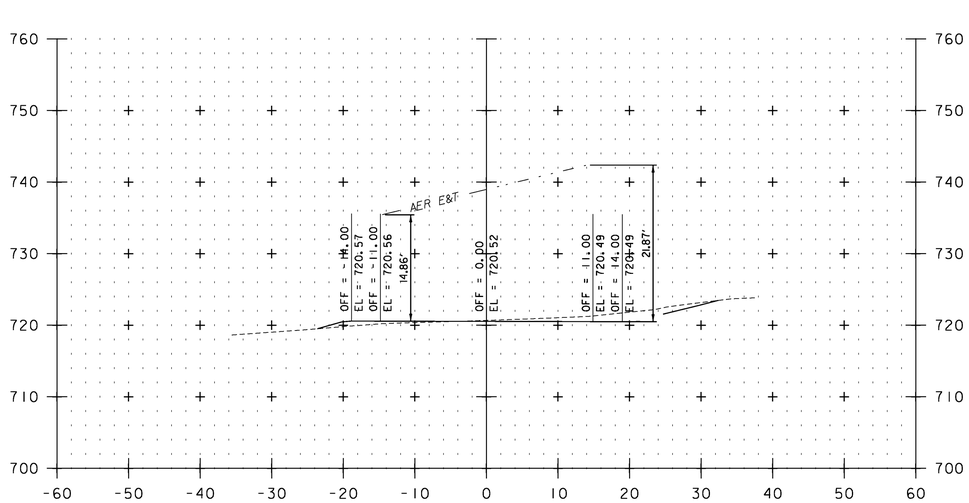
PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 229 OF 232



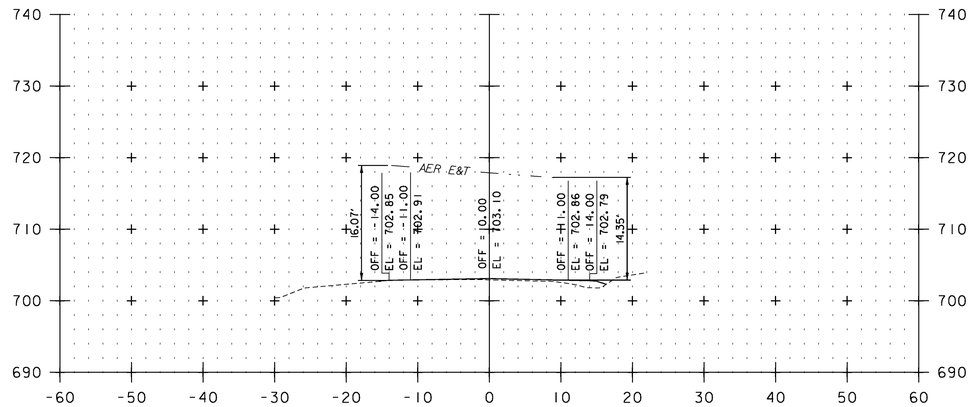
T 29+68



T 33+30



T 26+25



T 31+47

STA. T 26+25 TO STA. T 33+30

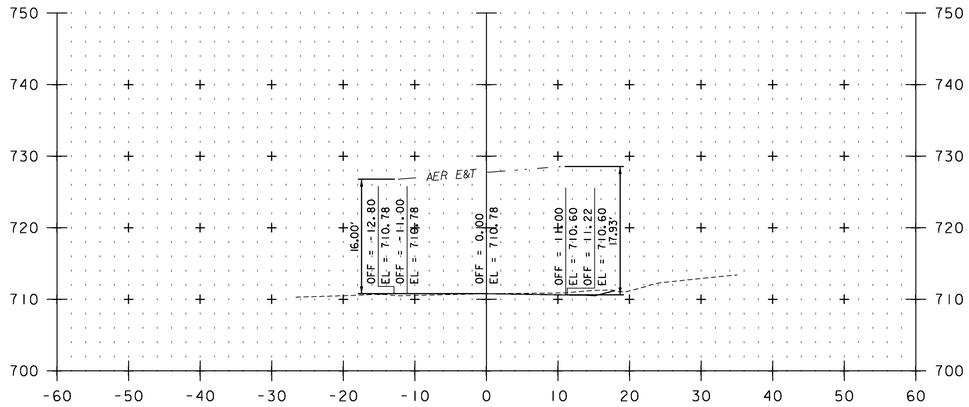
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SCALE IN FEET

UTILITY CROSS SECTION SHEET 26

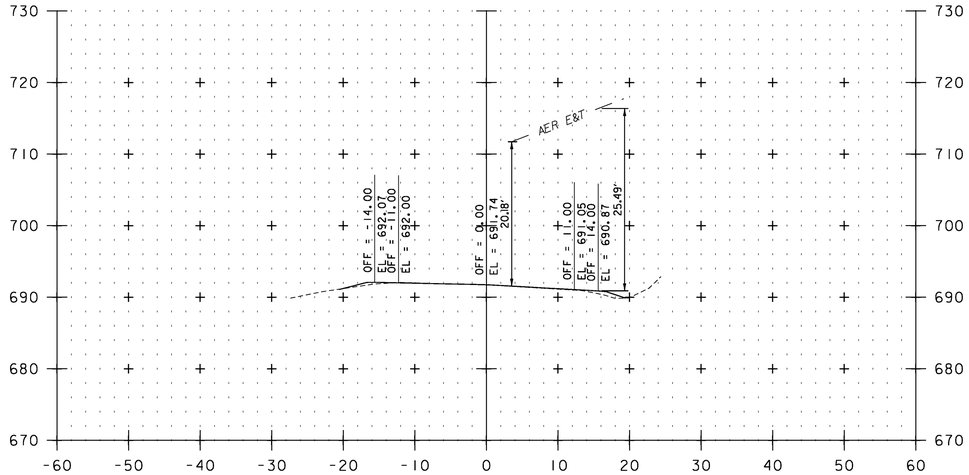
PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_230

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 230 OF 232



T 42+84



T 39+79

STA. T 39+79 TO STA. T 42+84

0 10 20

SCALE IN FEET

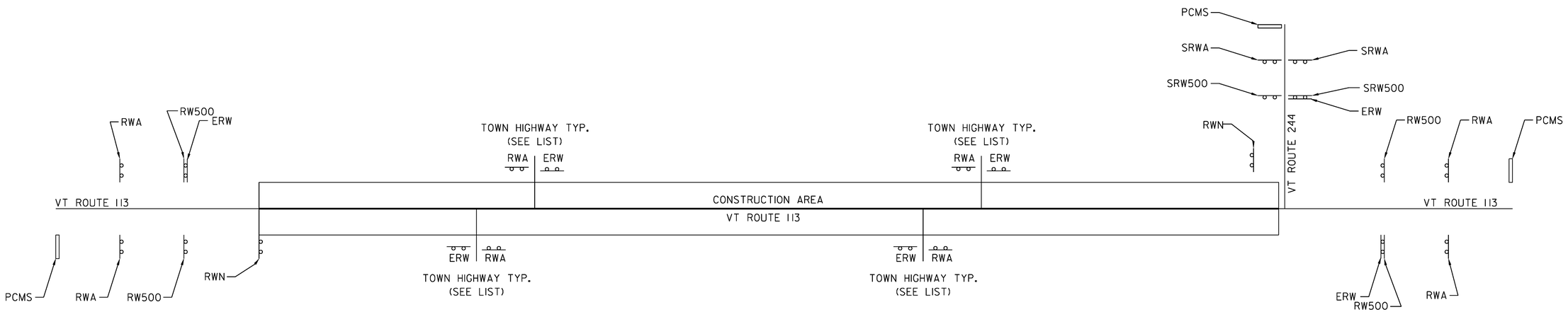
UTILITY CROSS SECTION SHEET 27

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: pl0c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: l0C224_231

PLOT DATE: 1/29/2013
DRAWN BY: JLS
CHECKED BY: PTS
SHEET 231 OF 232



NOTES

1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.

2. PORTABLE CHANGEABLE MESSAGE SIGNS WILL BE PROVIDED FOR USE ALONG THIS PROJECT AND ARE TO BE USED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL POSITION PORTABLE CHANGEABLE MESSAGE SIGN(S) WARNING MOTORISTS OF THE EXPECTED ROADWAY CONDITIONS AHEAD. THE MESSAGE TO BE DISPLAYED SHALL BE SUBMITTED TO THE ENGINEER IN ADVANCE FOR APPROVAL. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS. THE COST OF PROVIDING THESE MESSAGE SIGNS SHALL BE PAID UNDER ITEM 641.15, PORTABLE CHANGEABLE MESSAGE SIGN.

3. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE FLASHING ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE ENGINEER SHALL ALSO BE INCLUDED IN THE UNIT BID PRICE.

4. THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES, EXISTING SIGNS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC DEVICES ARE ERECTED OR PLACED, OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED, THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.

5. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.

6. ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED, THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.

7. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH THE LATEST EDITION OF THE MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.

8. SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.

9. CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

10. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.

11. DIAMOND SHAPED SIGNS SHALL BE 48" x 48" WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.

12. RETROREFLECTIVE SHEETING SHALL BE MINIMUM ASTM D4956 TYPE III OR VIII AS NOTED ON VAOT STANDARD E-100 AND IN THE SPECIAL PROVISIONS.

13. ALL TEMPORARY CONSTRUCTION SIGNS SHALL BE MOUNTED ON STANDS OR POSTS THAT COMPLY WITH NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350 (NCHRP 350).

14. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.

15. AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.

16. CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.

LIST OF TOWN/STATE HIGHWAYS
FOR CONSTRUCTION SIGNS

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD (RWA)	END ROAD WORK (ERW)	ROAD WORK 500' (RW500)	SIDE ROAD WORK AHEAD (SRWA)	SIDE ROAD WORK 500' (SRW500)	ROAD WORK NEXT 8 MILES (RWN)	PCMS
VT 113							
VERSHIRE							
BEGINNING OF PROJECT	2	1	2			1	1
TH 9	1	1					
TH 23	1	1					
TH 45	1	1					
TH 4	1	1					
TH 3	1	1					
TH 27	1	1					
TH 15	1	1					
WEST FAIRLEE							
TH 30	1	1					
TH 28	1	1					
TH 3	1	1					
TH 29	1	1					
THETFORD							
TH 1	1	1					
END OF PROJECT	2	2	2	2	2	1	2
TOTAL	16	15	4	2	2	2	3

NOT TO SCALE

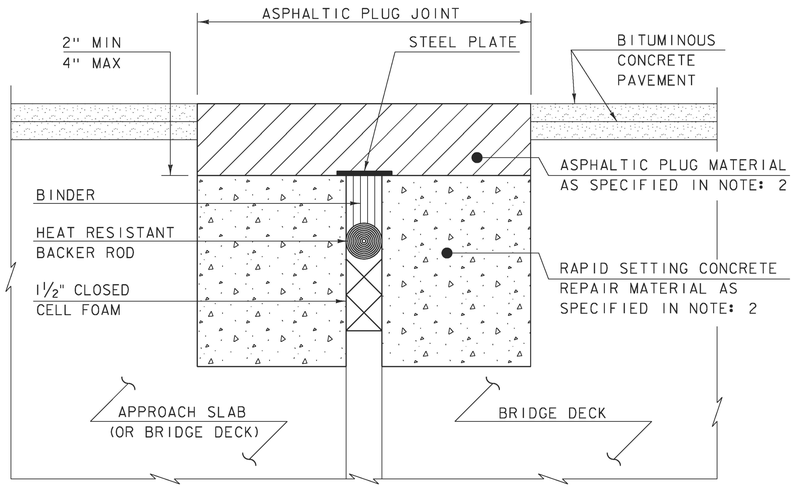
TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NAME: VERSHIRE-THETFORD

PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 10C224_232

PLOT DATE: 1/29/2013
DRAWN BY: SNG
CHECKED BY: PTS
SHEET 232 OF 232



ASPHALTIC PLUG-TYPE JOINT DETAIL - REHAB

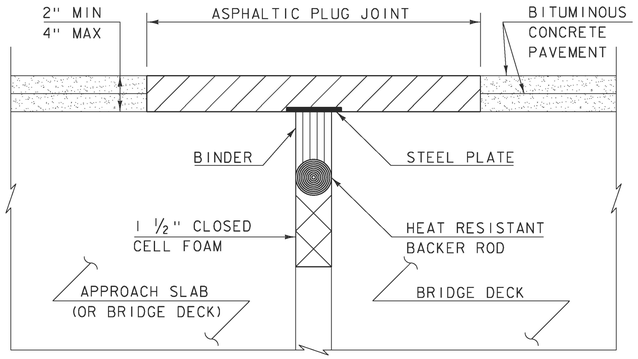
(NOT TO SCALE)

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