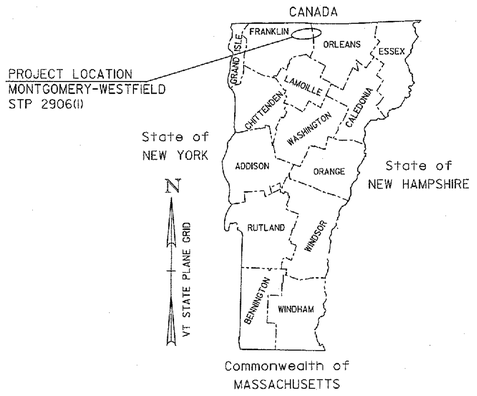
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# STATE OF VERMONT
# AGENCY OF TRANSPORTATION




# PROPOSED IMPROVEMENT
# TOWNS OF MONTGOMERY AND WESTFIELD
# COUNTIES OF FRANKLIN AND ORLEANS
# VT ROUTE 242
# MAJOR COLLECTOR

PROJECT LOCATION: BEGINNING AT THE INTERSECTION OF VT ROUTE 118 & VT ROUTE 242 IN THE TOWN OF MONTGOMERY, AT MILE MARKER 0.004 = STA. 0+20.00 AND EXTENDING EASTERLY ALONG VT ROUTE 242 FOR A DISTANCE OF 33924.25 FT (6.425 MILES) TO AN ENDING POINT AT MILE MARKER 2.626 = STA. A 138+65.00 IN THE TOWN OF WESTFIELD.

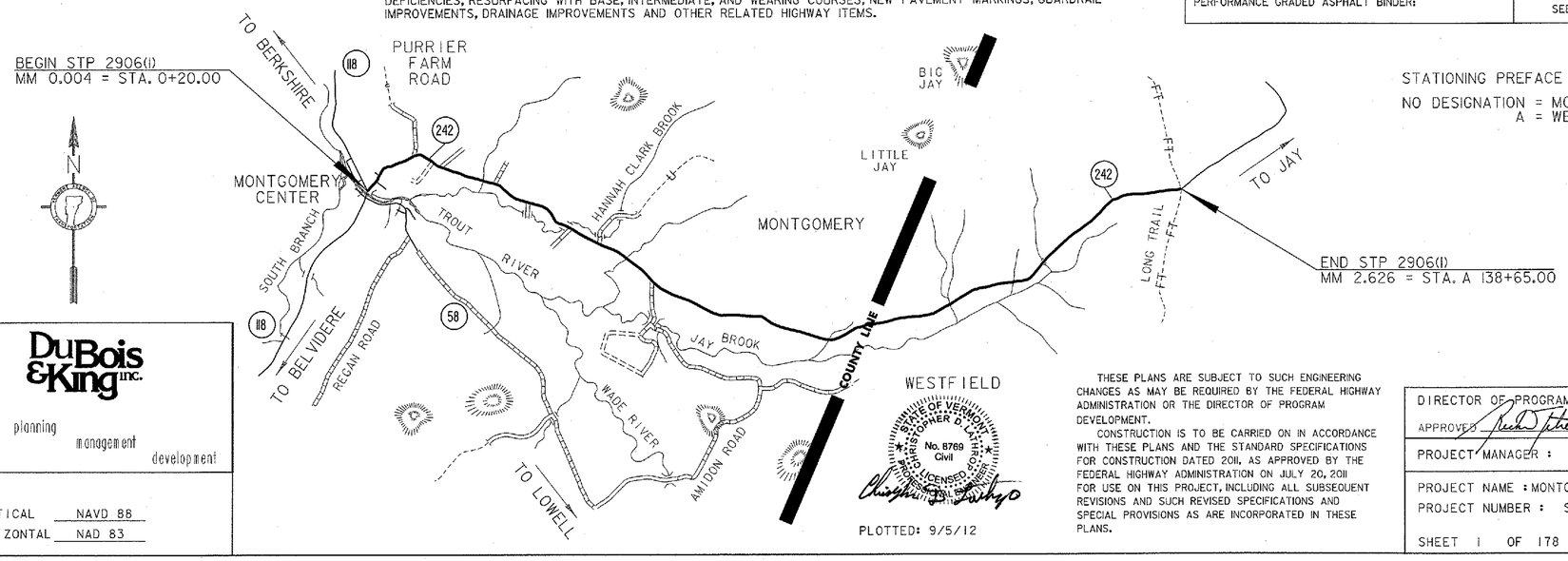
| STATION TO STATION DATA | LENGTH (FEET) | (MILES) |
|---|---|---|
| TOWN OF MONTGOMERY<br>STA. 0+20.00 TO STA. 200+79.25<br>(MM 0.004 TO MM 3.803) | 20059.25 | 3.799 |
| TOWN OF WESTFIELD<br>STA. A 0+00.00 TO STA. A 138+65.00<br>(MM 0.000 TO MM 2.626 | 13865.00 | 2.626 |
| TOTAL ROADWAY LENGTH = | 33924.25 | 6.425 |
| TOTAL PROJECT LENGTH = | 33924.25 | 6.425 |

TRAFFIC DATA

| HIGHWAY SECTION | AADT 2012 | AADT 2022 | DHV 2012 | DHV 2022 | CUM. ESALS (2012-2022) | CUM. ESALS (2011-2032) |
|---|---|---|---|---|---|---|
| BEGIN PROJECT TO END PROJECT | 1300 | 1400 | 190 | 200 | 173,000 | 408,000 |

| BITUMINOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA | |
|---|---|
| DESIGN LANE/DESIGN LIFE ESAL | 204,000 |
| DESIGN NUMBER OF GYRATIONS | 65 |
| PERFORMANCE GRADED ASPHALT BINDER: | SEE SUBSECTION 490.03B |

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RECLAIMING, CORRECTING SUPERELEVATION DEFICIENCIES, RESURFACING WITH BASE, INTERMEDIATE, AND WEARING COURSES, NEW PAVEMENT MARKINGS, GUARDRAIL IMPROVEMENTS, DRAINAGE IMPROVEMENTS AND OTHER RELATED HIGHWAY ITEMS.




STATIONING PREFACE DESIGNATION:
NO DESIGNATION = MONTGOMERY
A = WESTFIELD

QUALITY ASSURANCE PROGRAM: LEVEL 3

## CONVENTIONAL SYMBOLS

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

DuBois & King inc.
engineering planning management development

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

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

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

STATE OF VERMONT — CHRISTOPHER D. LAWRY — No. 8769 Civil — LICENSED PROFESSIONAL ENGINEER

PLOTTED: 9/5/12

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Richard Tetreault DATE 9-6-12

PROJECT MANAGER : MIKE FOWLER, P.E.

PROJECT NAME : MONTGOMERY-WESTFIELD
PROJECT NUMBER : STP 2906(I)

SHEET 1 OF 178 SHEETS

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| 7-10 | PROJECT TYPICAL SHEETS 1-4 |
| 11-13 | QUANTITY SHEETS 1-3 |
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VAOT STANDARDS


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| B-1 | BANKING TABLES | 06/01/94 |
| D-15 | PRECAST REINFORCED CONCRETE CATCH BASIN W/ CAST IRON GRATE<br>PRECAST REINFORCED MAN HOLE W/ CAST IRON COVER<br>CAST IRON GRATE WITH FRAME, TYPE D<br>CAST IRON GRATE WITH FRAME, TYPE E | 06/01/94 |
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| E-100 | CONSTRUCTION APPROACH SIGNS | 01/02/04 |
| E-100A | SIDEROAD CONSTRUCTION APPROACH SIGNS | 01/02/04 |
| E-101 | CONSTRUCTION SIGN DETAILS | 05/30/03 |
| E-102 | CONSTRUCTION SIGN DETAILS | 06/30/03 |
| E-102A | CONSTRUCTION SIGN DETAILS | 05/01/04 |
| E-106 | TRAFFIC CONTROL - MISCELLANEOUS DETAILS | 03/01/04 |
| E-107 | DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS | 06/30/03 |
| E-107A | BREAKAWAY BARRICADE DETAILS | 06/08/09 |
| E-108 | CONSTRUCTION ZONE LONGITUDINAL DROP OFFS | 06/08/09 |
| E-108A | CONSTRUCTION ZONE LONGITUDINAL DROP OFFS FOR PAVING | 06/08/09 |
| E-110 | MAJOR MAINTENANCE OPERATION LANE CLOSURE | 08/08/95 |
| E-111 | MINOR MAINTENANCE OPERATION | 03/11/97 |
| E-112 | TYPICAL MOVING MAINTENANCE OPERATIONS | 01/23/97 |
| E-121 | STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD | 08/08/95 |
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| G-1D | STEEL BEAM GUARDRAIL APPROACH END TERMINAL<br>STEEL BEAM GUARDRAIL TRAILING END TERMINAL<br>ANCHOR FOR STEEL BEAM GUARDRAIL<br>STEEL BEAM MEDIAN BARRIER | 01/03/00 |
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PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_2.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 2 OF 178

## GPS CONTROL POINTS

### HVCRIL #1

HANNAH CLARK AZ MK

NORTH = 868489.809
EAST = 1622212.849
ELEV. = 939.368

GENERAL LOCATION, MONTGOMERY, VT.
TO REACH FROM THE INTERSECTION OF VT ROUTE 118 AND VT ROUTE 242 IN MONTGOMERY CENTER, GO EAST ALONG VT ROUTE 242 FOR 2.1 MI (3.4 KM) TO THE SITE OF THE MARK ON THE LEFT.
THE MARK IS SET 10 CM (4 INCHES) BELOW GROUND SURFACE IN THE TOP OF A 30 CM (12 INCH) DIAMETER CONCRETE MONUMENT.
IT IS 6.3 M (20.7 FT) NORTH OF AND ABOUT 0.2 M (0.7 FT) LOWER THAN THE CENTERLINE OF VT ROUTE 242, 55.4 M (181.8 FT) WEST OF THE CENTERLINE OF THE GRAVEL DRIVE LEADING TO HOUSE NO 2145, 24.3 M (79.7 FT) EAST OF THE MAILBOX FOR HOUSE NO 2104 WHICH IS SET ABOUT OPPOSITE THE CENTERLINE OF THE GRAVEL DRIVE LEADING TO THE SAME HOUSE, 71.7 M (235.2 FT) NORTH-NORTHWEST OF AND ACROSS THE ROAD FROM POLE NO 46, 59.9 M (196.5 FT) NORTHEAST OF AND ACROSS THE ROAD FROM THE NORTH CORNER OF HOUSE NO 2104 AND 0.3 M (1.0 FT) SOUTH OF A FIBERGLASS WITNESS POST.

### HVCIRL #2

HANNAH CLARK

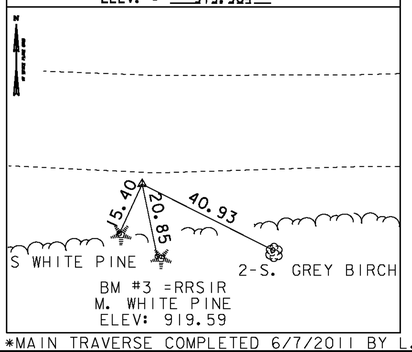
NORTH = 868576.037
EAST = 1620818.998
ELEV. = 927.421

GENERAL LOCATION MONTGOMERY, VT.
THE MARK IS SET 10 CM BELOW GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT. IT IS ABOUT 1.8 MI EAST OF MONTGOMERY AND JUST WEST OF HANNAH CLARK BROOK ROAD. IT IS 13.4 M NORTH OF THE CENTERLINE OF VT ROUTE 242, 6.0 M WEST OF THE CENTERLINE OF HANNAH CLARK BROOK ROAD, 6.3 M NORTH OF POLE NO 22/92A, AND 53.9 M SOUTH-SOUTHWEST OF THE SOUTHWEST (OUTLET) END OF THE LARGE DIAMETER STEEL CULVERT BRIDGE SPANNING HANNAH CLARK BROOK.

## TRAVERSE TIES

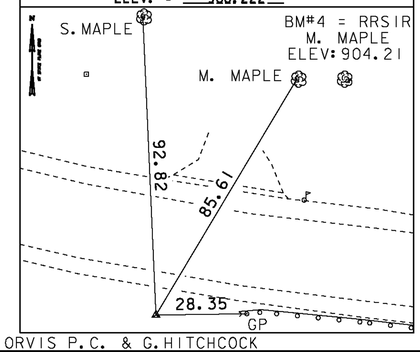
### HVCIRL #3

NORTH = 868497.643
EAST = 1620347.051
ELEV. = 919.904



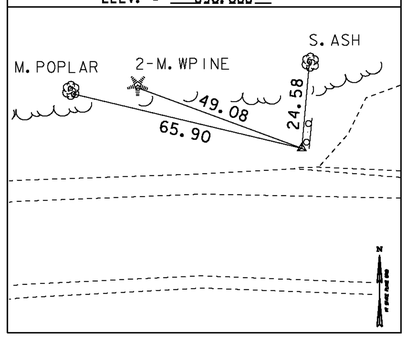

### HVCIRL #4

NORTH = 868554.268
EAST = 1619359.354
ELEV. = 908.222



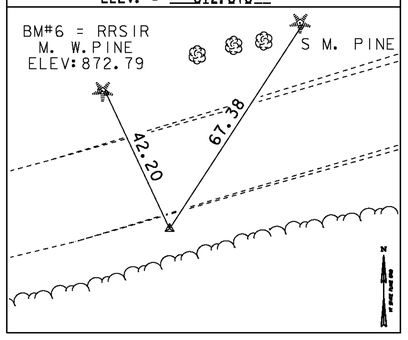

### HVCIRL #5

NORTH = 868791.230
EAST = 1618672.484
ELEV. = 890.068



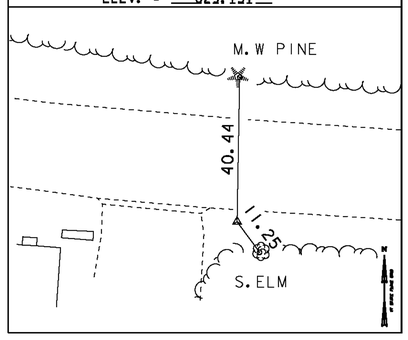

### HVCIRL #6

NORTH = 868653.567
EAST = 1618193.096
ELEV. = 872.616




### HVCIRL #7

NORTH = 868587.072
EAST = 1617403.676
ELEV. = 829.757

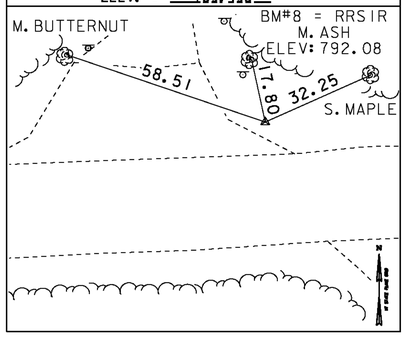



*MAIN TRAVERSE COMPLETED 6/7/2011 BY L.ORVIS P.C. & G.HITCHCOCK

## TRAVERSE TIES

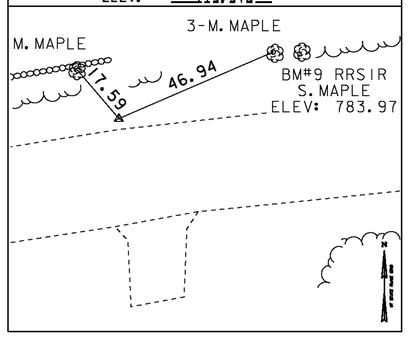
### HVCIRL #8

NORTH = 868759.090
EAST = 1616559.569
ELEV. = 789.495



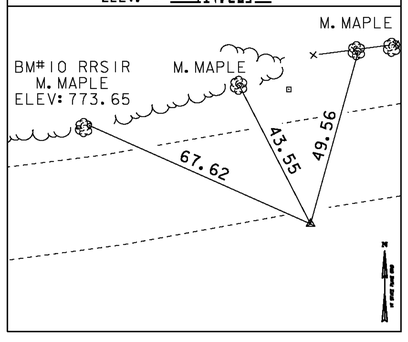

### HVCIRL #9

NORTH = 868734.152
EAST = 1616127.982
ELEV. = 779.915



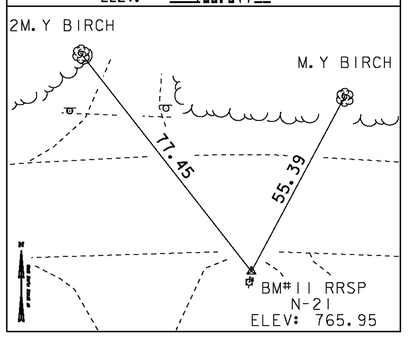

### HVCIRL #10

NORTH = 868444.216
EAST = 1615238.164
ELEV. = 771.264



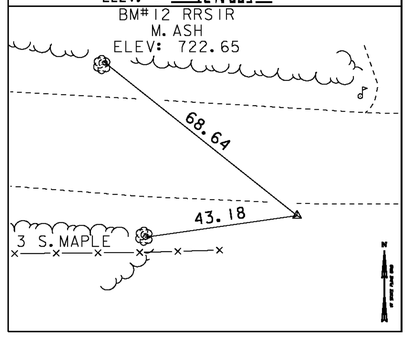

### HVCIRL #11

NORTH = 868433.894
EAST = 1614626.095
ELEV. = 765.311




### HVCIRL #12

NORTH = 868403.760
EAST = 1614044.253
ELEV. = 721.534




DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83 (07)
ADJUSTMENT COMPASS

SCALE IN FEET
20 0 20

**TIE SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_3.1

PLOT DATE: 9/5/12
DRAWN BY: R. BULLOCK
CHECKED BY: CDL
SHEET 3 OF 178

## GPS CONTROL POINTS

### HVCIRL #18

BEGNOCHE

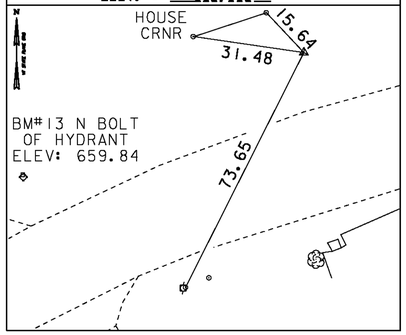
NORTH = 864679.212
EAST = 1612402.632
ELEV. = 571.534

GENERAL LOCATION, MONTGOMERY, VT. OWNERSHIP, GASTON BEGNOCHE, BOX 403 MONTGOMERY CENTER, VT 05471.
TO REACH FROM THE INTERSECTION OF VT ROUTE 118 AND VT ROUTE 242 IN MONTGOMERY CENTER, GO SOUTH ALONG VT ROUTE 118 FOR 0.8 MI (1.3 KM) TO THE SITE OF THE MARK ON THE RIGHT, NEAR A GATE IN A BARBED WIRE FENCE. IT IS ABOUT 45 M (147.6 FT) NORTHEAST OF THE NORTHEAST END OF HOUSE NO 399. THE MARK IS SET IN THE TOP OF A 1.6 M (5.2 FT) X 1.0 M (3.3 FT) ROCK OUTCROP WHICH PROJECTS 0.7 M (2.3 FT) ABOVE GROUND SURFACE. IT IS 9.6 M (31.5 FT) SOUTHEAST OF AND ABOUT 0.4 M (1.3 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 118, 21.7 M (71.2 FT) SOUTHWEST OF THE MOST NORTHERLY OF TWO WOODEN POSTS FOR A WELCOME TO MONTGOMERY SIGN, 19.9 M (65.3 FT) NORTH OF A CLUMP OF BIRCH GROWING IN A ROCK PILE, 21.1 M (69.2 FT) NORTHEAST OF THE CORNER POST AT THE WEST CORNER OF THE FIELD AND 1.9 M (6.2 FT) EAST-SOUTHEAST OF THE NORTHEAST GATE POST AND A FIBERGLASS WITNESS POST.

## TRAVERSE TIES

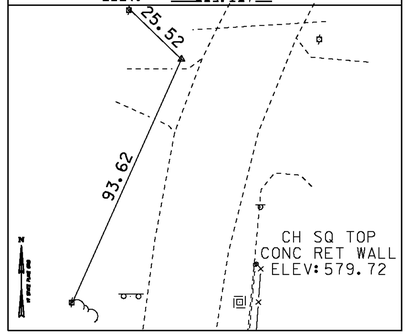
### HVCIRL #13

NORTH = 868445.402
EAST = 1613519.961
ELEV. = 662.982



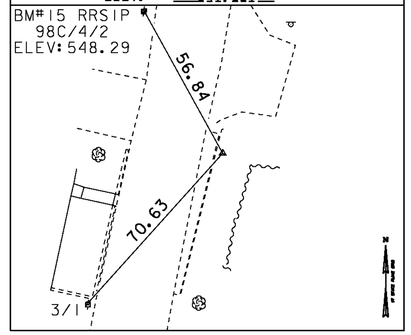

### HVCIRL #14

NORTH = 867520.051
EAST = 1612606.181
ELEV. = 584.761



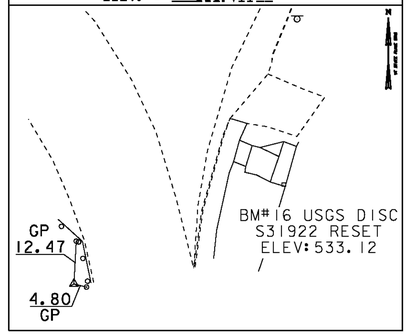

### HVCIRL #15

NORTH = 867001.983
EAST = 1612591.764
ELEV. = 547.637



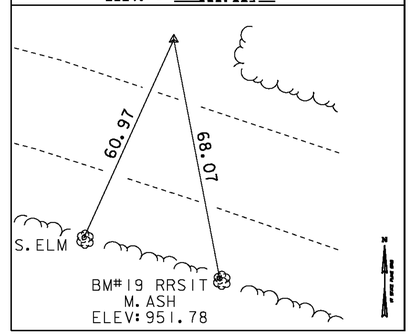

### HVCIRL #16

NORTH = 866545.116
EAST = 1612404.610
ELEV. = 530.177




### HVCIRL #19

NORTH = 868423.142
EAST = 1622736.361
ELEV. = 953.064




## TRAVERSE TIES

### HVCIRL #20

NORTH = 868116.118
EAST = 1623327.768
ELEV. = 992.262




### HVCIRL #21

NORTH = 867993.829
EAST = 1623901.863
ELEV. = 1049.823




## TRAVERSE TIES

### HVCIRL #22

NORTH = 868015.413
EAST = 1624422.127
ELEV. = 1063.138




### HVCIRL #23

NORTH = 867864.572
EAST = 1625583.242
ELEV. = 1096.313




### HVCIRL #24

NORTH = 868444.678
EAST = 1626560.168
ELEV. = 1195.870




### HVCIRL #25

NORTH = 868646.030
EAST = 1627159.415
ELEV. = 1215.814




### HVCIRL #26

NORTH = 868548.445
EAST = 1627477.175
ELEV. = 1244.881




DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83 (07)
ADJUSTMENT COMPASS

SCALE IN FEET
20 0 20

**TIE SHEET 2**

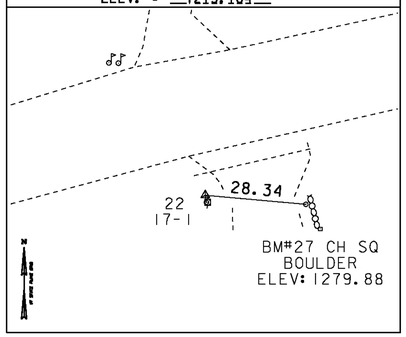
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_4.t

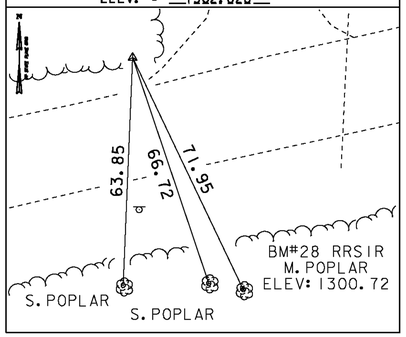
PLOT DATE: 9/5/12
DRAWN BY: R. BULLOCK
CHECKED BY: CDL
SHEET 4 OF 178

## TRAVERSE TIES

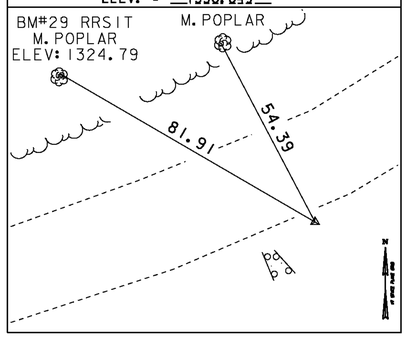
### HVCIRL #27
NORTH = 868648.516
EAST = 1628134.026
ELEV. = 1275.784



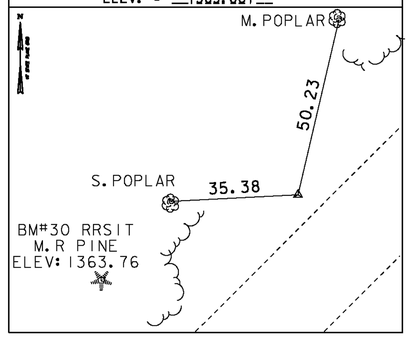

### HVCIRL #28
NORTH = 868918.061
EAST = 1629132.923
ELEV. = 1302.828



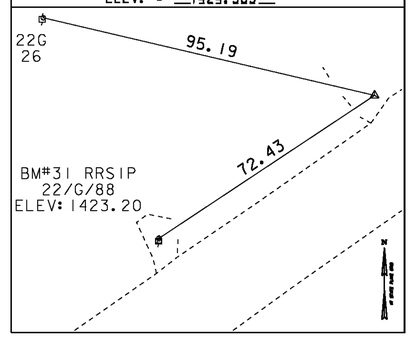

### HVCIRL #29
NORTH = 869060.864
EAST = 1629958.396
ELEV. = 1330.049




### HVCIRL #30
NORTH = 869622.295
EAST = 1630515.651
ELEV. = 1365.861




### HVCIRL #31
NORTH = 870363.330
EAST = 1631473.564
ELEV. = 1424.583



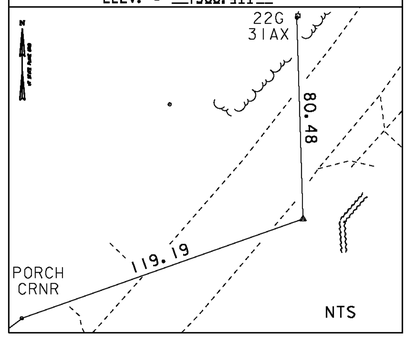

## GPS CONTROL POINTS

### HVCIRL #32
VOYAGEUR AZ MK
NORTH = 870994.451
EAST = 1632444.979
ELEV. = 1469.319

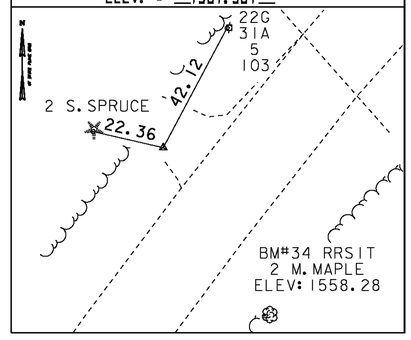
GENERAL LOCATION, WESTFIELD, VT.
TO REACH FROM THE INTERSECTION OF VT ROUTE 242 AND VT ROUTE 118 IN MONTGOMERY CENTER GO EAST ALONG VT ROUTE 242 FOR 2.3 MI (3.7 KM) TO THE INTERSECTION OF AMIDON ROAD RIGHT. CONTINUE STRAIGHT AHEAD AND GO EAST ALONG VT ROUTE 242 FOR 1.0 MI (1.6 KM) TO THE SITE OF THE MARK ON THE RIGHT. THE MARK IS SET 10 CM (4 INCHES) BELOW GROUND SURFACE IN THE TOP OF A 30 CM (12 INCH) DIAMETER CONCRETE MONUMENT. IT IS 10.7 M (35.1 FT) SOUTH OF AND ABOUT LEVEL WITH THE CENTERLINE OF VT ROUTE 242, 27.7 M (90.9 FT) EAST OF POLE NO 22/G/29/93, 24.3 M (79.7 FT) WEST OF POLE NO 22/G/29A/94 WITH TRANSFORMER AND 0.3 M (1.0 FT) NORTH OF A FIBERGLASS WITNESS POST.

## TRAVERSE TIES

### HVCIRL #33
NORTH = 871577.625
EAST = 1633151.015
ELEV. = 1500.477

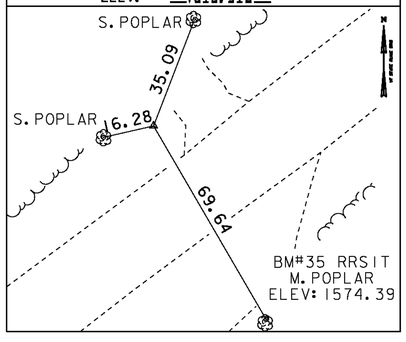



### HVCIRL #34
NORTH = 872837.678
EAST = 1633988.482
ELEV. = 1561.581

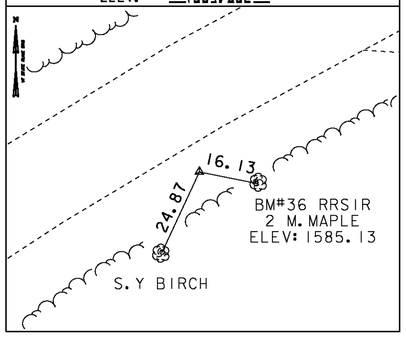



## TRAVERSE TIES

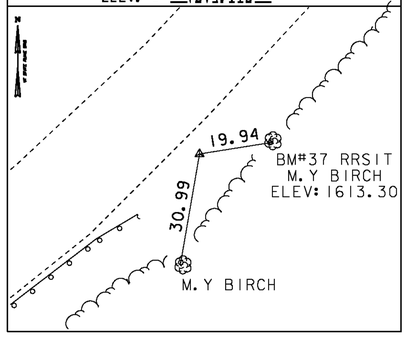
### HVCIRL #35
NORTH = 873278.722
EAST = 1634469.442
ELEV. = 1575.976



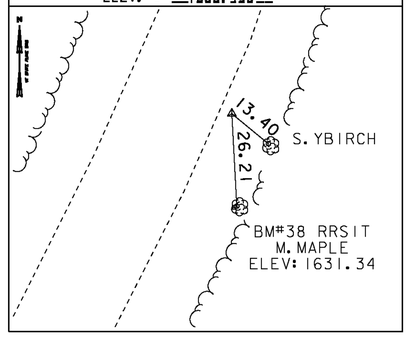

### HVCIRL #36
NORTH = 873673.591
EAST = 1635076.802
ELEV. = 1584.052




### HVCIRL #37
NORTH = 873986.250
EAST = 1635614.079
ELEV. = 1614.775




### HVCIRL #38
NORTH = 874243.864
EAST = 1635786.555
ELEV. = 1635.493




### HVCIRL #39
NORTH = 874665.563
EAST = 1635842.384
ELEV. = 1646.198

NOT TIED

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (07)
ADJUSTMENT COMPASS

SCALE IN FEET
20 0 20

**TIE SHEET 3**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

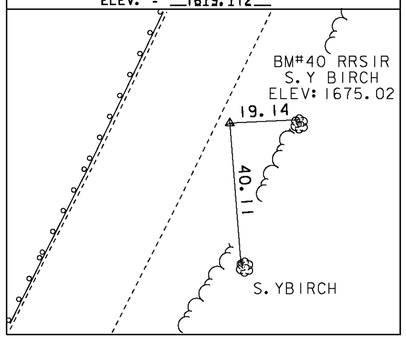
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_5.t

PLOT DATE: 9/5/12
DRAWN BY: R. BULLOCK
CHECKED BY: CDL
SHEET 5 OF 178

## TRAVERSE TIES

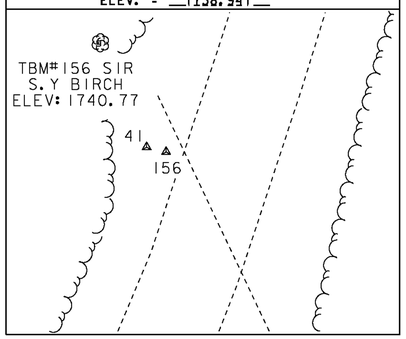
### HVCIRL #40

NORTH = 875204.912
EAST = 1636116.928
ELEV. = 1679.712



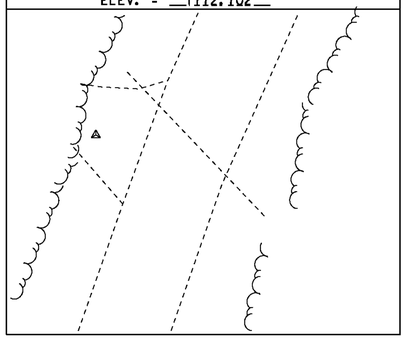

### HVCIRL #41

NORTH = 875777.398
EAST = 1636339.611
ELEV. = 1738.941



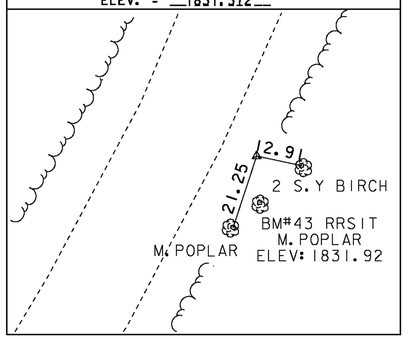

### HVCIRL #42

NORTH = 876273.396
EAST = 1636501.762
ELEV. = 1772.702



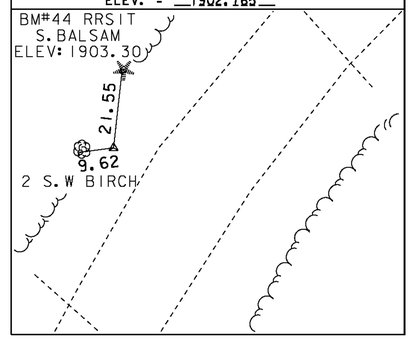
### HVCIRL #43

NORTH = 876808.722
EAST = 1636860.322
ELEV. = 1831.372




### HVCIRL #44

NORTH = 877914.800
EAST = 1637189.701
ELEV. = 1902.765




### HVCIRL #45

NORTH = 878417.181
EAST = 1637175.427
ELEV. = 1976.504




### HVCIRL #46

NORTH = 878774.760
EAST = 1638256.294
ELEV. = 2051.602




### HVCIRL #47

NORTH = 879128.379
EAST = 1638900.877
ELEV. = 2137.028




### _____

NORTH = _____
EAST = _____
ELEV. = _____

### _____

NORTH = _____
EAST = _____
ELEV. = _____

## GPS CONTROL POINTS

### HVCIRL #48

LONG TRAIL BOLT

NORTH = 879418.547
EAST = 1639347.759
ELEV. = 2203.649

GENERAL LOCATION, WESTFIELD, VT.
TO REACH FROM THE INTERSECTION OF VT ROUTE 242 AND VT ROUTE 118 IN MONTGOMERY CENTER GO EAST ALONG VT ROUTE 242 FOR 6.3 MI (10.1 KM) TO A GRAVEL PARKING AREA ON THE RIGHT, AT THE CROSSING OF THE LONG TRAIL HIKING PATH AND THE SITE OF THE MARK ON THE RIGHT. TO REACH FROM THE INTERSECTION OF VT ROUTE 242 AND VT ROUTE 101 IN TROY GO WEST ALONG VT ROUTE 242 FOR 6.5 MI (10.5 KM) TO THE SITE OF THE MARK. IT IS ABOUT 10 M (32.8 FT) SOUTHWEST OF THE ENTRANCE TO THE LONG TRAIL AND THE CATAMOUNT TRAIL. THE MARK IS A 3/4 INCH (19 MM) DIAMETER GUARD RAIL BOLT SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF MASSIVE ROCK OUTCROP WHICH IS PARTIALLY EXPOSED BY EROSION. IT IS 8.5 M (27.9 FT) SOUTHEAST OF AND ABOUT 0.3 M (1.0 FT) LOWER THAN THE CENTERLINE OF VT ROUTE 242, 10.9 M (35.8 FT) NORTHEAST OF THE CENTER OF A 1.9 M (6.2 FT) X 1.1 M (3.6 FT) BOULDER WHICH PROJECTS 0.6 M (2.0 FT) ABOVE GROUND SURFACE AND 14.7 M (48.2 FT) WEST OF A 25 CM (10 INCH) MAPLE WITH LONG TRAIL MARKING (A VERTICAL WHITE LINE PAINTED AT EYE LEVEL).

### HVCIRL #100

VOYAGEUR

NORTH = 871796.133
EAST = 1633426.010
ELEV. = 1522.464

GENERAL LOCATION, WESTFIELD, VT. OWNERSHIP, SHARON AND ROLF ANDERSON, ROUTE 242 BOX 1010, MONTGOMERY CENTER, VT 05471. THE MARK IS ABOUT 65 M NORTHWEST OF THE ANDERSONS TWO-STORY HOUSE WITH AN ELL. IT IS SET 10 CM (4 INCHES) BELOW GROUND SURFACE IN THE TOP OF A 30 CM (12 INCHES) DIAMETER CONCRETE MONUMENT. IT IS 34.9 M (114.5 FT) SOUTHEAST OF AND ABOUT 5 M (16.4 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 242, 16.5 M (54.1 FT) NORTH NORTHWEST OF THE CENTERLINE OF THE GRAVEL DRIVE, 60.3 M (197.8 FT) EAST NORTHEAST OF POLE NO 22G/31A/1/3/99, 11.7 M (38.4 FT) NORTHWEST OF A 10 CM (4 INCHES) APPLE, 14.8 M (48.6 FT) WEST OF THE MOST NORTHERLY (OF 2) SQUARE WOODEN LAMPPOST, 9.9 M (32.5 FT) NORTHWEST OF THE WEST CORNER OF THE GRAVEL PARKING LOT, 24.1 M (79.1 FT) SOUTH OF A 40 CM (16 INCHES) POPLAR, AND 17.5 M (57.4 FT) SOUTHEAST OF A FIBERGLASS WITNESS POST.

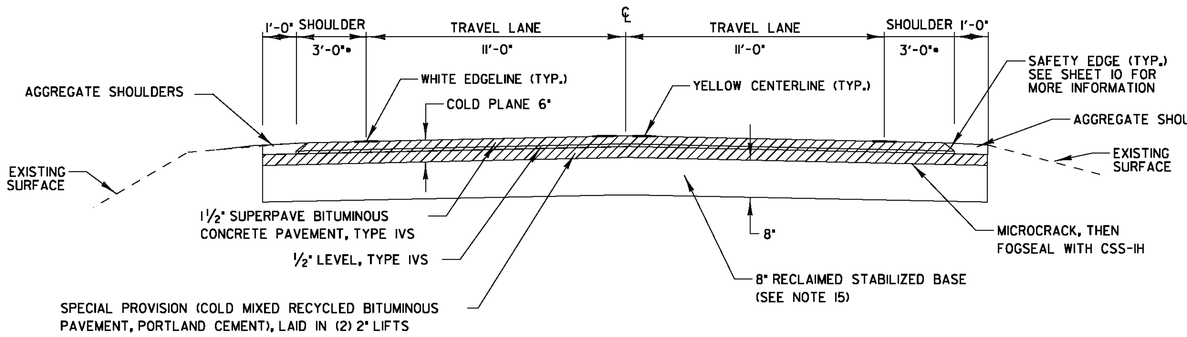
DATUM
VERTICAL: NAVD 88
HORIZONTAL: NAD 83 (07)
ADJUSTMENT: COMPASS

SCALE IN FEET
20 0 20

**TIE SHEET 4**

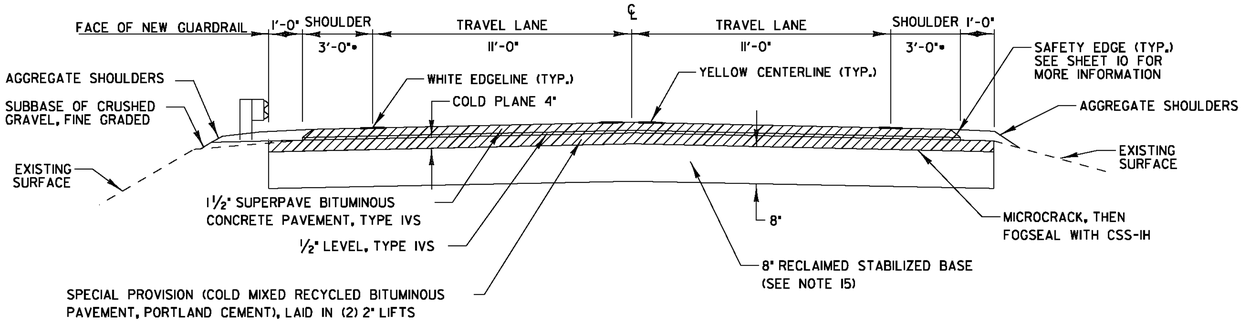
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_6.1
PLOT DATE: 9/5/12
DRAWN BY: R.BULLOCK
CHECKED BY: CDL
SHEET 6 OF 178




**RECLAIMED STABILIZED BASE TYPICAL SECTION**

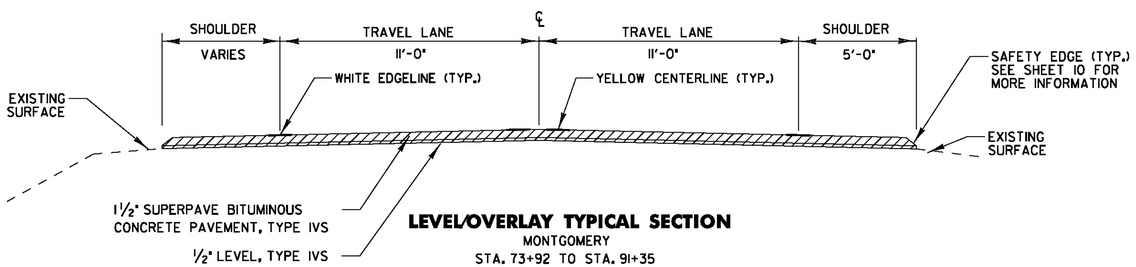
MONTGOMERY
STA. 0+72 TO STA. 10+00




**RECLAIMED STABILIZED BASE TYPICAL SECTION**

MONTGOMERY
STA. 10+00 TO STA. 73+92
STA. 91+35 TO STA. 200+79.25
WESTFIELD
STA. 0+00 TO STA. 137+65

•SHOULDER WIDTH VARIES 3'-0" TO 6'-0" STA. 71+75 - STA. 73+92




**LEVEL/OVERLAY TYPICAL SECTION**

MONTGOMERY
STA. 73+92 TO STA. 91+35

## NOTES:

1. THE WEARING AND LEVELING COURSES 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 490.03B.

2. EMULSIFIED ASPHALT TYPE CRS-1H OR RS-1H SHALL BE APPLIED AS A TACK COAT ON ALL EXISTING PAVEMENT SURFACES, AND BETWEEN ALL COURSES OF PAVEMENT (WHERE APPLICABLE) NOT INCLUDING RECLAIMED SURFACES AT THE RATE OF 0.025 TO 0.040 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER ITEM 900.683, "SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)".

3. 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. 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 RESIDENT ENGINEER.

4. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS).
SUBBASE OF CRUSHED GRAVEL, FINE GRADED TOLERANCE = +/- 1INCH (TOTAL SUBBASE THICKNESS).

5. PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO THE DEPTH OF RECLAIMING OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT 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 RESIDENT 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 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED" HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION.

6. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE BEGINNING AND END OF THE PROJECT AND SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE PAID INCIDENTAL TO ITEM 210.10 "COLD PLANING, BITUMINOUS PAVEMENT".

7. ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A PAVED APRON OF 4' AND ALL FIELD AND WOODS DRIVES SHALL RECEIVE A 2' PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT 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)".

8. A QUANTITY FOR ITEM 604.412, "REHAB DI, CB OR MH CLASS I" HAS BEEN INCLUDED IN THE QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.

9. ESTIMATED QUANTITIES OF ITEMS 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I", 608.37, "TRUCK RENTAL", AND 608.40, "LOADER RENTAL, TYPE I" HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL AND THE REMOVAL OF BUILT UP EXCESS SHOULDER MATERIAL IN NON-GUARDRAIL LOCATIONS. AN ESTIMATED QUANTITY OF ITEM 203.30, "EARTH BORROW" HAS BEEN INCLUDED FOR USE WITH THE GUARDRAIL END SECTIONS. 25 CY OF ITEM 203.30, "EARTH BORROW" HAS BEEN ESTIMATED FOR EACH NEW END SECTION. GUARDRAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF ITEM 651.35, "TOPSOIL" UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 CY OF ITEM 651.35, "TOPSOIL" FOR EACH NEW GUARDRAIL END SECTION. ITEM 653.20, "TEMPORARY EROSION MATTING" SHALL BE PLACED ON SLOPES GREATER THAN 16 CREATED BY THE GUARDRAIL END SECTIONS. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, "TEMPORARY EROSION MATTING" FOR EACH NEW GUARDRAIL END SECTION. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED AND SEEDED USING ITEM 651.35, "TOPSOIL" AND ITEM 651.15, "SEED".

10. AN ESTIMATED QUANTITY FOR ITEM 619.17 "YIELDING MARKER POSTS" HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACES OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

12. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT AREA TO OBTAIN A UNIT COST FOR PAY ITEM 201.10 "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS".

13. A QUANTITY HAS BEEN ESTIMATED FOR ITEM 201.31 "THINNING AND TRIMMING FOR SIGNS". REFER TO DETAIL ON SHEET 8.

14. A QUANTITY HAS BEEN ESTIMATED FOR ITEM 617.10 "RELOCATE MAILBOX, SINGLE SUPPORT", TO BE USED AS DETERMINED BY THE RESIDENT ENGINEER.

15. THE FIRST RECLAIM PASS SHALL BE PERFORMED FROM TOP OF BANK TO TOP OF BANK WHERE FULL WIDTH IS NOT ACHIEVABLE. THE FIRST RECLAIM PASS SHALL BE PAID UNDER ITEM 310.20 "RECLAIMED STABLIZED BASE". THE SECOND RECLAIM PASS SHALL BE PERFORMED FULL WIDTH PER THE TYPICAL SECTION. THE SECOND RECLAIM PASS SHALL BE PAID UNDER ITEM 900.675 "SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT)".

16. ADDITIONAL QUANTITIES FOR PAY ITEMS 651.15 "SEED", 651.18 "FERTILIZER", 651.20 "AGRICULTURAL LIMESTONE", ITEM 653.20, "TEMPORARY EROSION MATTING" AND 651.25 "HAY MULCH" HAVE BEEN INCLUDED FOR STONE FILL SLOPE STABILIZATION AREAS TO BE PLACED ON GRUBBING MATERIAL.

17. A QUANTITY OF ITEM 204.21 "TRENCH EXCAVATION OF ROCK" HAS BEEN INCLUDED IN CASE LEDGE IS ENCOUNTERED DURING THE INSTALLATION OF UNDERDRAIN.

18. WETLANDS HAVE BEEN LOCATED NEAR SECTIONS OF THE PROJECT AREA. IF WORK EXTENDS INTO THE WETLANDS, STATE AND FEDERAL PERMITS WILL BE REQUIRED (TO BE ACQUIRED BY CONTRACTOR). SEE LAYOUTS SHEETS FOR INDIVIDUAL SENSITIVE LOCATIONS.

19. ITEMS 653.50 "BARRIER FENCE" AND 653.60 "EROSION LOG" SHALL BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

20. ANY CROSS PIPE DAMAGED BY CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED TO PRECONSTRUCTION CONDITIONS AT THE SOLE COST OF THE CONTRACTOR.

21. A QUANTITY HAS BEEN ESTIMATED FOR ITEM 900.683 "SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)" AT AN APPLICATION RATE OF 0.15 GAL/SY.

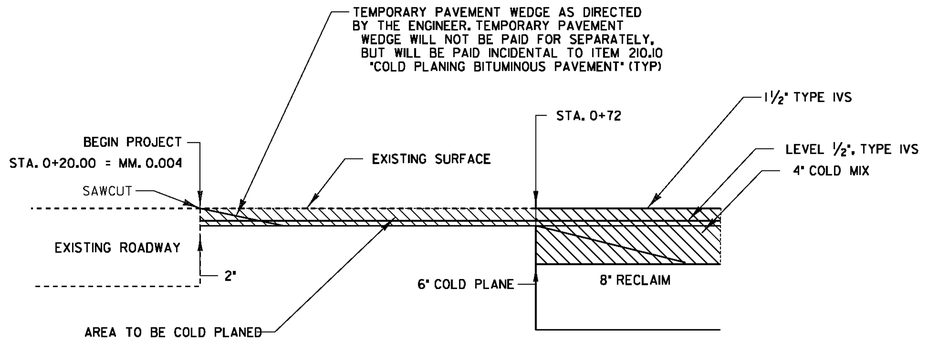
**DETAILS ARE NOT TO SCALE**

**PROJECT TYPICAL SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

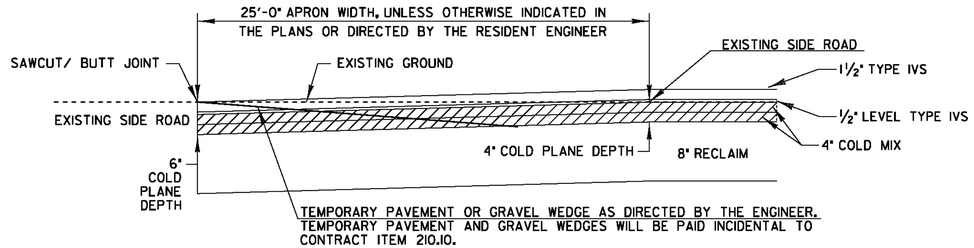
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_7.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 7 OF 178



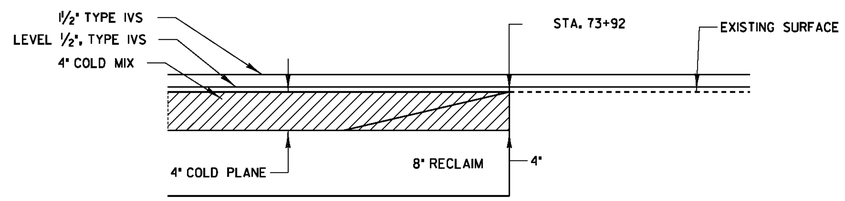

## APPROACH AREA DETAIL (BEGIN PROJECT)

MONTGOMERY
STA. 0+20.00



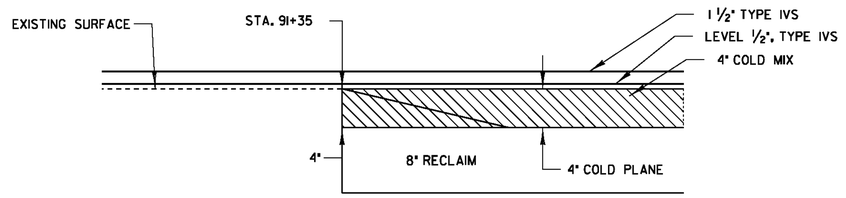

## TRANSITION AREA FOR PAVED SIDE ROADS

FULL WIDTH OF TOWN HIGHWAY
SEE LAYOUT SHEETS FOR LOCATIONS OF ALL SIDE ROADS



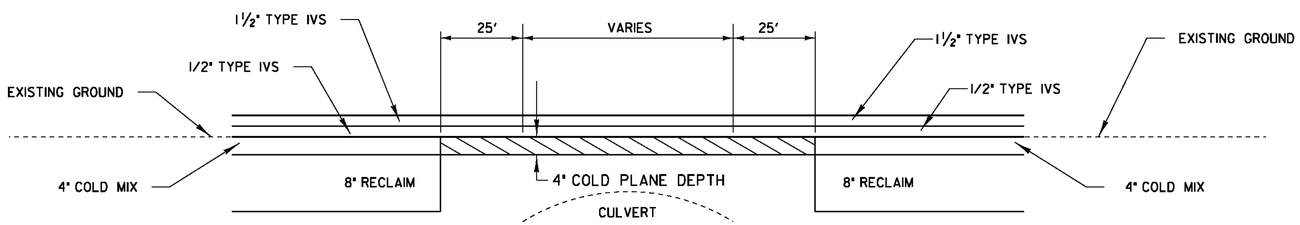

## RECLAIM TO LEVEL/OVERLAY AREA TRANSITION DETAIL

MONTGOMERY
STA. 73+92



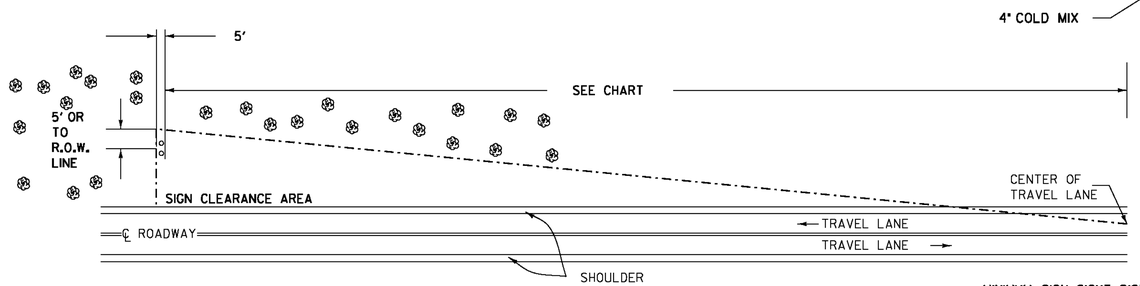

## LEVEL/OVERLAY TO RECLAIM AREA TRANSITION DETAIL

MONTGOMERY
STA. 91+35




## CULVERTS WITH MINIMAL COVER DETAIL

SEE PLANS FOR LOCATIONS




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 OR AT LEAST 10 FT BELOW THE BOTTOM OF THE SIGN. PAYMENT WILL BE FOR THINNING AND TRIMMING FOR SIGNS, ITEM 201.31, AND PAID FOR PER EACH. NO CHEMICALS (POISONS OR DEFOLIANTS) ALLOWED.

## THINNING AND TRIMMING FOR SIGNS DETAIL

MONTGOMERY
STA. 7+45 LT
STA. 34+39 LT
STA. 51+56 RT
STA. 66+63 RT
STA. 188+24 LT

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 |

**DETAILS ARE NOT TO SCALE**

**PROJECT TYPICAL SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

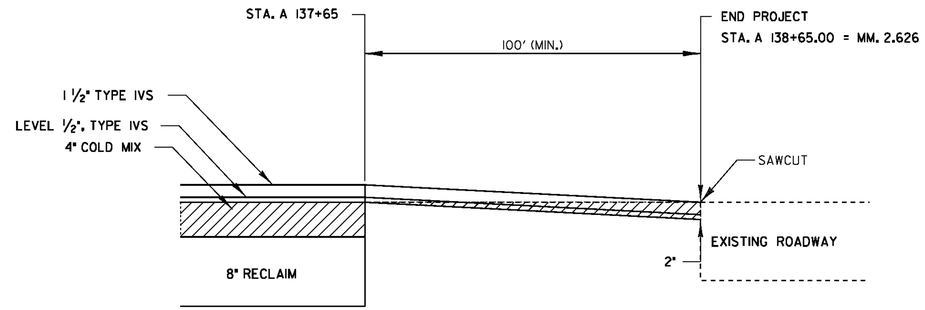
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_8.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 8 OF 178

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

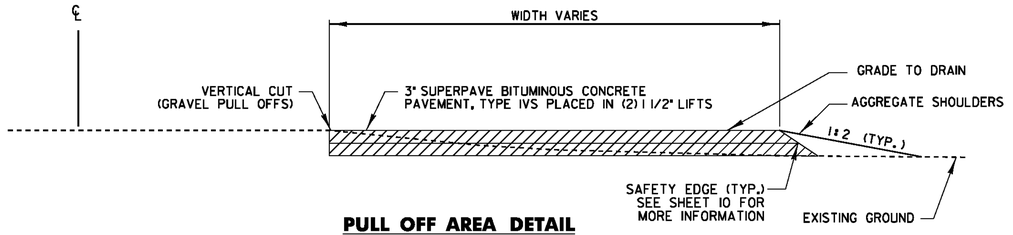
| STEP | DESCRIPTION | PAYMENT ITEM(S) |
|---|---|---|
| 1 | COLD PLANE EXISTING BITUMINOUS CONCRETE PAVEMENT TO INDICATED DEPTH | ITEM 210.10 "COLD PLANING, BITUMINOUS PAVEMENT" |
| 2 | REPAIR EXISTING SHOULDERS AS DIRECTED BY THE RESIDENT ENGINEER | ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED" |
| 3 | RECLAIM EXISTING ROADBED 8" FROM TOP OF SLOPE TO TOP OF SLOPE USING WATER FOR STABILIZATION AND COMPACTION | ITEM 310.20 "RECLAIMED STABILIZED BASE" |
| 4 | CORRECT SUPERELEVATION DEFICIENCIES | ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED" SEE NOTE 5 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 4" COLD MIX IN (2) 2" LIFTS | ITEM 415.25 "EMULSIFIED ASPHALT, COLD MIX" ITEM 900.675 "SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)" ITEM 900.680 "SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING)" |
| 7 | PLACE 1/2" TYPE IVS LEVEL | ITEM 490.30 "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT" |
| 8 | PLACE 1 1/2" TYPE IVS WEARING COURSE | ITEM 490.30 "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT" |

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




## APPROACH AREA DETAIL (END PROJECT)

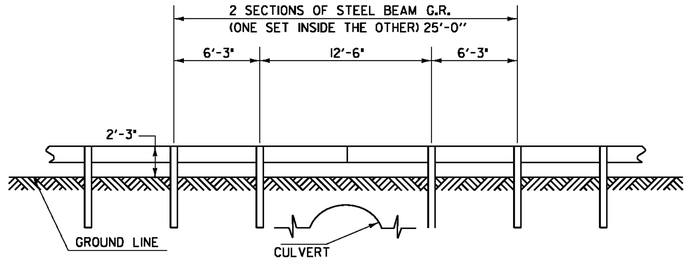
WESTFIELD
STA. A 137+65




## PULL OFF AREA DETAIL

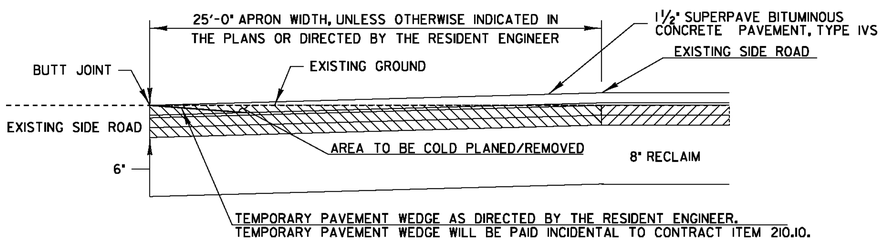
WESTFIELD
STA. A 52+50 RT
STA. A 72+40 RT
STA. A 136+00 RT

NOTE: ANY EXCAVATION REQUIRED IN THE PULLOFF AREAS PRIOR TO PAVING SHALL BE PAID FOR UNDER THE APPROPRIATE RENTAL ITEMS.




## DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS

WESTFIELD
STA. A 74+47




## TRANSITION AREA FOR GRAVEL SIDE ROADS

FULL WIDTH OF TOWN HIGHWAY
SEE LAYOUT SHEETS FOR LOCATIONS OF ALL SIDE ROADS

## SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

| % WT. | LBS./A. | NAME | PUR % | GERM % |
|---|---|---|---|---|
| 38 | 32 | CREEPING RED FESCUE | 98 | 90 |
| 29 | 24 | SPARTAN HARD FESCUE | 95 | 85 |
| 15 | 12 | AZAY SHEEP'S FESCUE | 95 | 87 |
| 15 | 12 | ANNUAL RYE GRASS | 95 | 90 |
| 3 | -- | INERTS | -- | -- |
| 100.0 | 80 LB/A | | | |

### GENERAL NOTES

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

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: 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 ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

**DETAILS ARE NOT TO SCALE**

**PROJECT TYPICAL SHEET 3**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

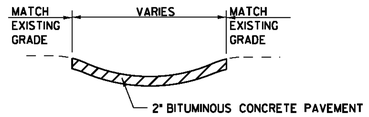
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_9.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 9 OF 178

| CULVERT INVENTORY | | | | | |
|---|---|---|---|---|---|
| STATION | SIZE (IN) | TYPE | COVER (FT) LEFT | COVER (FT) RIGHT | REMARKS |
| 0+52 | 15 | CMP | 4.25 | 5.00 | |
| 1+77 | 18 | CMP | 0.50 | 0.08 | |
| 3+42 | 18 | CMP | 2.10 | 3.25 | |
| 5+72 | 18 | CPEP | 3.25 | 3.50 | |
| 6+96 | 18 | CPEP | 2.75 | 2.35 | |
| 9+81 | 18 | CPEP | 2.85 | 2.10 | |
| 14+21 | 36 | CPEP | 2.30 | 2.00 | |
| 24+84 | 15 | CMP | 2.35 | 2.50 | EXTEND LT SIDE 3 FT |
| 28+17 | 18 | CMP | 2.50 | 3.25 | |
| 37+95 | 15 | CMP | 1.75 | 2.50 | EXTEND RT SIDE 4.5 FT |
| 45+50 | 50"x48" | CMP | 4.25 | 4.50 | |
| 54+58 | 30 | CMP | 2.75 | 2.75 | |
| 55+69 | 40"x60" | CMP | 4.25 | 3.50 | |
| 60+41 | 15 | CPEP | 2.25 | 2.25 | |
| 88+71 | 18 | CPEP | 4.40 | 4.00 | |
| 100+00 | 15 | CMP | 1.75 | 1.75 | EXTEND RT SIDE 4 FT |
| 103+78 | 36 | CPEP | 2.00 | 1.25 | |
| 105+93 | 18 | CPEP | 2.90 | 2.25 | |
| 107+74 | 36 | CPEP | 2.75 | 3.00 | |
| 107+78 | 36 | CPEP | 3.00 | 3.00 | |
| 111+50 | 18 | CPEP | 2.50 | 3.50 | |
| 114+47 | 18 | CPEP | 3.50 | 3.00 | |
| 117+97 | 24 | CPEP | 4.00 | 3.50 | |
| 124+36 | 18 | CMP | 2.75 | 3.50 | EXTEND LT SIDE 3 FT |

| CULVERT INVENTORY | | | | | |
|---|---|---|---|---|---|
| STATION | SIZE (IN) | TYPE | COVER (FT) LEFT | COVER (FT) RIGHT | REMARKS |
| 136+42 | 18 | CPEP | 2.50 | 2.50 | |
| 140+05 | 36 | CPEP | 4.00 | 4.00 | |
| 149+14 | 24 | CPEP | 2.00 | 2.00 | |
| 151+13 | 24 | CPEP | 2.50 | 2.00 | |
| 161+76 | 24 | CPEP | 6.25 | 5.25 | |
| 168+55 | 36 | CMP | 3.25 | 3.25 | |
| 175+66 | 18 | CPEP | 2.00 | 1.50 | |
| 183+64 | 24 | CPEP | 2.75 | 3.00 | |
| 188+09 | 60 | CMP | 3.75 | 4.50 | |
| A 5+15 | 18 | CMP | 4.25 | 4.25 | |
| A 13+05 | 18 | CMP | 5.25 | 4.25 | |
| A 40+95 | 24 | CPEP | 4.00 | 4.00 | |
| A 46+93 | 24 | CMP | 4.00 | 4.50 | |
| A 51+39 | 18 | CPEP | 4.25 | 5.00 | |
| A 55+11 | 36 | CPEP | 3.90 | 3.90 | |
| A 58+52 | 24 | CPEP | 4.00 | 5.00 | |
| A 74+47 | 36 | CPEP | 1.75 | 2.25 | |
| A 80+82 | 30 | CMP | 5.00 | 5.75 | |
| A 85+68 | 24 | CPEP | 3.50 | 4.50 | |
| A 88+47 | 24 | CPEP | 2.50 | 2.75 | |
| A 91+07 | 24 | CPEP | 2.75 | 3.50 | |
| A 92+63 | 24 | CPEP | 5.25 | 6.75 | |
| A 98+86 | 24 | CPEP | 3.50 | 5.25 | |
| A 100+40 | 24 | CPEP | 4.75 | 6.25 | |
| A 100+90 | 48 | CPEP | 5.75 | 6.50 | |
| A 107+51 | 18 | CPEP | 6.25 | 5.50 | |

| CULVERT INVENTORY | | | | | |
|---|---|---|---|---|---|
| STATION | SIZE (IN) | TYPE | COVER (FT) LEFT | COVER (FT) RIGHT | REMARKS |
| A 108+38 | 18 | CPEP | 5.50 | 4.50 | |
| A 109+43 | 24 | CPEP | 6.25 | 5.00 | |
| A 110+71 | 24 | CPEP | 8.50 | 8.75 | |
| A 112+17 | 18 | CMP | 4.00 | 5.25 | |
| A 112+90 | 18 | CMP | 5.25 | 6.00 | |
| A 114+60 | 18 | CPEP | 8.50 | 9.00 | |
| A 117+36 | 30 | CPEP | 3.75 | 4.25 | |
| A 117+53 | 18 | CMP | 5.50 | 4.00 | |
| A 119+39 | 30 | CMP | 3.00 | 3.25 | |
| A 126+15 | 18 | CMP | 3.00 | 3.50 | |
| A 129+57 | 18 | CMP | 3.00 | 1.00 | |
| A 133+35 | 18 | CPEP | 1.50 | 3.00 | |



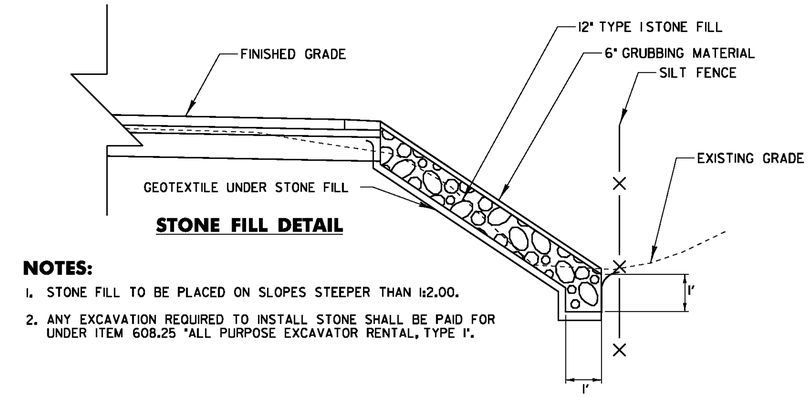

## BITUMINOUS CONCRETE GUTTER DETAIL

LOCATIONS

AS INDICATED ON PLANS

**NOTES:**

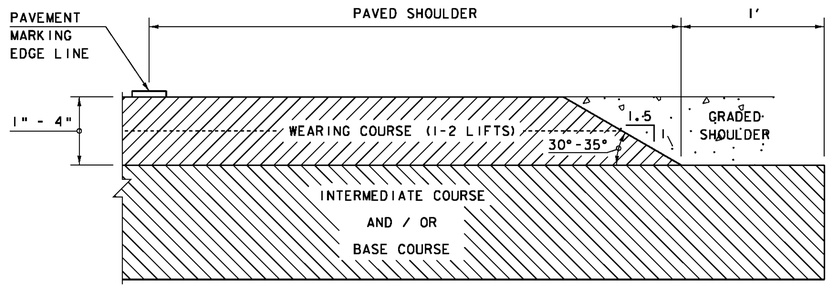
1. EXISTING BITUMINOUS CONCRETE GUTTERS SHALL BE REMOVED WHERE INDICATED ON THE PLANS. PAYMENT WILL BE MADE UNDER ITEM 608.25 "ALL PURPOSE EXCAVATOR RENTAL, TYPE I".
2. THE BED UPON WHICH THE BITUMINOUS CONCRETE GUTTER OR TRAFFIC ISLAND WILL BE PLACED SHALL BE COMPACTED TO THE LINE, GRADE AND SLOPE AS DIRECTED BY THE RESIDENT ENGINEER.
3. THE BITUMINOUS CONCRETE PAVEMENT SHALL BE LAID IN TWO COURSES. EACH COURSE SHOULD BE ONE INCH DEEP AND ROLLED WITH A 150 POUND ROLLER.
4. THIS WORK IS TO BE PAID FOR UNDER ITEM 616.47, "BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS". PAYMENT FOR SUBBASE MATERIAL WILL BE MADE UNDER ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED".




## STONE FILL DETAIL

**NOTES:**

1. STONE FILL TO BE PLACED ON SLOPES STEEPER THAN 1:2.00.
2. ANY EXCAVATION REQUIRED TO INSTALL STONE SHALL BE PAID FOR UNDER ITEM 608.25 "ALL PURPOSE EXCAVATOR RENTAL, TYPE I".




## SAFETY EDGE DETAIL

NOT TO SCALE

**DETAILS ARE NOT TO SCALE**

**PROJECT TYPICAL SHEET 4**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_10.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 10 OF 178

# QUANTITY SHEET 1

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

## SUMMARY OF ESTIMATED QUANTITIES

| | | TRAINING | FULL CE | ROADWAY | QUANTITIES GRAND TOTAL | UNIT | ITEMS | ITEM NO. | ROUNDING |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | 1 | LS | CLEARING AND GRUBBING, INCLUDING INDIVIDUAL | 201.10 | - |
| | | | | | | | TREES AND STUMPS | | |
| | | | | 5 | 5 | EA | THINNING AND TRIMMING FOR SIGNS | 201.31 | EST. |
| | | | | 225 | 225 | CY | EARTH BORROW | 203.30 | EST. |
| | | | | 3300 | 3300 | CY | TRENCH EXCAVATION OF EARTH | 204.20 | 48.1 |
| | | | | 540 | 540 | CY | TRENCH EXCAVATION OF ROCK | 204.21 | EST. |
| | | | | 1 | 1 | CY | TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.) | 204.22 | - |
| | | | | 4 | 4 | CY | GRANULAR BACKFILL FOR STRUCTURES | 204.30 | EST. |
| | | | | 98000 | 98000 | SY | COLD PLANING, BITUMINOUS PAVEMENT | 210.10 | 717.5 |
| | | | | 22500 | 22500 | TON | SUBBASE OF CRUSHED GRAVEL, FINE GRADED | 301.28 | 239.1 |
| | | | | 103500 | 103500 | SY | RECLAIMED STABILIZED BASE | 310.20 | 295 |
| | | | | 710 | 710 | TON | AGGREGATE SHOULDERS | 402.12 | 8.3 |
| | | | | 1 | 1 | LU | PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.I.) | 406.50 | - |
| | | | | 19000 | 19000 | CWT | EMULSIFIED ASPHALT, COLD MIX | 415.25 | EST. |
| | | | | 12700 | 12700 | TON | SUPERPAVE BITUMINOUS CONCRETE PAVEMENT | 490.30 | 163.8 |
| | | | | 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 | 490.34 | - |
| | | | | | | | ADJUSTMENT (N.A.B.I.) | | |
| | | | | 14 | 14 | LF | 15" CSP .064 (2-2/3X1/2) | 601.0010 | 2.5 |
| | | | | 4 | 4 | LF | 18" CSP .064 (2-2/3X1/2) | 601.0015 | 1 |
| | | | | 2 | 2 | EA | REHAB DROP INLETS, CATCH BASINS, | 604.412 | - |
| | | | | | | | OR MANHOLES, CLASS I | | |
| | | | | 8800 | 8800 | LF | 6 INCH UNDERDRAIN PIPE | 605.10 | 31 |
| | | | | 50 | 50 | HR | POWER GRADER RENTAL | 608.15 | EST. |
| | | | | 700 | 700 | HR | ALL PURPOSE EXCAVATOR RENTAL, TYPE I | 608.25 | EST. |
| | | | | 35 | 35 | HR | POWER BROOM RENTAL, TYPE I | 608.30 | EST. |
| | | | | 1400 | 1400 | HR | TRUCK RENTAL | 608.37 | EST. |
| | | | | 30 | 30 | HR | LOADER RENTAL, TYPE I | 608.40 | EST. |
| | | | | 4000 | 4000 | CY | STONE FILL, TYPE I | 613.10 | 10.6 |
| | | | | 36 | 36 | TON | BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS | 616.47 | 1.5 |
| | | | | 12 | 12 | EA | RELOCATE MAILBOX, SINGLE SUPPORT | 617.10 | EST. |
| | | | | 181 | 181 | EA | YIELDING MARKER POSTS | 619.17 | EST. |
| | | | | 1275 | 1275 | LF | STEEL BEAM GUARDRAIL, GALVANIZED | 621.20 | 11 |
| | | | | 2325 | 2325 | LF | STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS | 621.205 | 5 |

## DETAILED SUMMARY OF QUANTITIES

| QUANTITIES | UNIT | ITEMS |
|---|---|---|
| | | COLD PLANING, BITUMINOUS PAVEMENT |
| 96701.5 | SY | MAINLINE |
| 581.0 | SY | SIDEROAD APRONS |
| 717.5 | SY | ROUNDING |
| 98000 | SY | TOTAL |
| | | SUPERPAVE BITUMINOUS CONCRETE PAVEMENT |
| | | WEARING COURSE |
| 9090.8 | TON | TYPE IVS |
| | | LEVELING COURSE |
| 3044.3 | TON | TYPE IVS |
| | | SIDE ROADS |
| 83.8 | TON | TYPE IVS |
| | | PULL OFFS |
| 317.3 | TON | TYPE IVS |
| 163.8 | TON | ROUNDING |
| 12700 | TON | TOTAL |
| | | STONE FILL, TYPE I |
| 2494.4 | CY | ITEM DETAIL SUMMARY SHEET 6 |
| 1495 | CY | DITCH CLEANING DETAIL SHEET |
| 10.6 | CY | ROUNDING |
| 4000 | CY | TOTAL |

## DETAILED SUMMARY OF QUANTITIES

| QUANTITIES | UNIT | ITEMS |
|---|---|---|
| | | TRENCH EXCAVATION OF EARTH |
| 4 | CY | ITEM DETAIL SUMMARY SHEET 6 |
| 3247.9 | CY | UNDERDRAIN DETAIL SHEET |
| 48.1 | CY | ROUNDING |
| 3300 | CY | TOTAL |
| | | YIELDING MARKER POSTS |
| 121 | EA | ITEM DETAIL SUMMARY SHEET 6 |
| 60 | EA | UNDERDRAIN DETAIL SHEET |
| - | EA | ROUNDING |
| 181 | EA | TOTAL |
| | | SUBBASE OF CRUSHED GRAVEL, FINE GRADED |
| 19207.7 | TON | RESHAPE ROADWAY |
| 3053.2 | TON | UNSUITABLE SHOULDER MATERIAL |
| 239.1 | TON | ROUNDING |
| 22500 | TON | TOTAL |

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_11.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 11 OF 178

# QUANTITY SHEET 2

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

SUMMARY OF ESTIMATED QUANTITIES

| | | TRAINING | FULL CE | ROADWAY | QUANTITIES GRAND TOTAL | UNIT | ITEMS | ITEM NO. | ROUNDING |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 50 | 50 | LF | STEEL BEAM GUARDRAIL, GALVANIZED/NESTED | 621.207 | - |
| | | | | | | | W/8 FEET POSTS | | |
| | | | | 18 | 18 | EA | ANCHOR FOR STEEL BEAM RAIL | 621.60 | - |
| | | | | 3606 | 3606 | LF | REMOVAL AND DISPOSAL OF GUARDRAIL | 621.80 | - |
| | | | | 1100 | 1100 | HR | UNIFORMED TRAFFIC OFFICERS | 630.10 | EST. |
| | | | | 4700 | 4700 | 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 | - |
| | | | | | | | BEGIN OPTION AA | | |
| | | | | 69000 | 69000 | LF | DURABLE 4 INCH WHITE LINE, THERMOPLASTIC | 646.402 | 1325 |
| | | | | 69000 | 69000 | LF | DURABLE 4 INCH WHITE LINE, EPOXY PAINT | 646.403 | 1325 |
| | | | | 69000 | 69000 | LF | DURABLE 4 INCH WHITE LINE, POLYUREA | 646.404 | 1325 |
| | | | | | | | END OPTION AA | | |
| | | | | | | | BEGIN OPTION BB | | |
| | | | | 65000 | 65000 | LF | DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC | 646.412 | 531 |
| | | | | 65000 | 65000 | LF | DURABLE 4 INCH YELLOW LINE, EPOXY PAINT | 646.413 | 531 |
| | | | | 65000 | 65000 | LF | DURABLE 4 INCH YELLOW LINE, POLYUREA | 646.414 | 531 |
| | | | | | | | END OPTION BB | | |
| | | | | | | | BEGIN OPTION CC | | |
| | | | | 115 | 115 | LF | DURABLE 24 INCH STOP BAR, THERMOPLASTIC | 646.482 | 2 |
| | | | | 115 | 115 | LF | DURABLE 24 INCH STOP BAR, EPOXY PAINT | 646.483 | 2 |
| | | | | 115 | 115 | LF | DURABLE 24 INCH STOP BAR, POLYUREA | 646.484 | 2 |
| | | | | | | | END OPTION CC | | |
| | | | | | | | BEGIN OPTION DD | | |
| | | | | 29 | 29 | EA | DURABLE LETTER OR SYMBOL, THERMOPLASTIC | 646.492 | - |
| | | | | 29 | 29 | EA | DURABLE LETTER OR SYMBOL, EPOXY PAINT | 646.493 | - |
| | | | | 29 | 29 | EA | DURABLE LETTER OR SYMBOL, POLYUREA | 646.494 | - |
| | | | | | | | END OPTION DD | | |
| | | | | 340000 | 340000 | LF | TEMPORARY 4 INCH WHITE LINE, PAINT | 646.602 | 1624 |
| | | | | 324000 | 324000 | LF | TEMPORARY 4 INCH YELLOW LINE, PAINT | 646.612 | 1655 |
| | | | | 570 | 570 | LF | TEMPORARY 24 INCH STOP BAR, PAINT | 646.682 | 5 |
| | | | | 145 | 145 | EA | TEMPORARY LETTER OR SYMBOL, PAINT | 646.692 | - |
| | | | | 3400 | 3400 | EA | LINE STRIPING TARGETS | 646.76 | 96 |

DETAILED SUMMARY OF QUANTITIES

| QUANTITIES | UNIT | ITEMS |
|---|---|---|

DETAILED SUMMARY OF QUANTITIES

| QUANTITIES | UNIT | ITEMS |
|---|---|---|

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_12.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 12 OF 178

# QUANTITY SHEET 3

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

SUMMARY OF ESTIMATED QUANTITIES

| | | TRAINING | FULL CE | ROADWAY | QUANTITIES GRAND TOTAL | UNIT | ITEMS | ITEM NO. | ROUNDING |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 16200 | 16200 | SY | GEOTEXTILE UNDER STONE FILL | 649.31 | 204.1 |
| | | | | 3700 | 3700 | SY | GEOTEXTILE FOR SILT FENCE | 649.51 | 48 |
| | | | | 330 | 330 | LB | SEED | 651.15 | EST |
| | | | | 1420 | 1420 | LB | FERTILIZER | 651.18 | EST |
| | | | | 6 | 6 | TON | AGRICULTURAL LIMESTONE | 651.20 | EST |
| | | | | 5 | 5 | TON | HAY MULCH | 651.25 | EST |
| | | | | 210 | 210 | CY | TOPSOIL | 651.35 | 4.3 |
| | | | | 5950 | 5950 | SY | GRUBBING MATERIAL | 651.40 | 48.8 |
| | | | | 11800 | 11800 | SY | TEMPORARY EROSION MATTING | 653.20 | 142.1 |
| | | | | 8620 | 8620 | LF | BARRIER FENCE | 653.50 | 1 |
| | | | | 8620 | 8620 | LF | EROSION LOG | 653.60 | 1 |
| | | | | 530 | 530 | SF | TRAFFIC SIGNS, TYPE A | 675.20 | 8.88 |
| | | | | 293 | 293 | LB | TUBULAR STEEL SIGN POST | 675.33 | - |
| | | | | 1660 | 1660 | LF | SQUARE TUBE SIGN POSTS AND ANCHOR | 675.341 | - |
| | | | | 2 | 2 | EA | FOUNDATION FOR TUBULAR STEEL POST | 675.43 | - |
| | | | | 129 | 129 | EA | REMOVING SIGNS | 675.50 | - |
| | | | | 18 | 18 | EA | DELINEATOR WITH STEEL POST | 676.10 | - |
| | | | | 18 | 18 | EA | REMOVAL OF EXISTING DELINEATOR | 676.12 | - |
| | | | | 1 | 1 | LU | PRICE ADJUSTMENT, FUEL (N.A.B.I.) | 690.50 | - |
| | | | | 108000 | 108000 | SY | SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) | 900.675 | 1237 |
| | | | | 2100 | 2100 | SY | SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) | 900.675 | 86.8 |
| | | | | 108000 | 108000 | SY | SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT) | 900.675 | 1237 |
| | | | | 1625 | 1625 | TON | SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION) | 900.680 | 24 |
| | | | | 260 | 260 | TON | SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING) | 900.680 | 20 |
| | | | | 34500 | 34500 | TON | SPECIAL PROVISION (MATERIAL TRANSFER DEVICE) | 900.680 | 169.7 |
| | | | | 1075 | 1075 | CWT | SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H) | 900.683 | EST. |
| | | | | 1350 | 1350 | CWT | SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT) | 900.683 | 4.8 |

DETAILED SUMMARY OF QUANTITIES

| QUANTITIES | UNIT | ITEMS |
|---|---|---|
| | | GEOTEXTILE UNDER STONE FILL |
| 9267.9 | SY | ITEM DETAIL SUMMARY SHEET 6 |
| 6728 | SY | DITCH CLEANING DETAIL SHEET |
| 204.1 | SY | ROUNDING |
| 16200 | SY | TOTAL |
| | | |
| | | TEMPORARY EROSION MATTING |
| 9717.9 | SY | ITEM DETAIL SUMMARY SHEET 6 |
| 1940 | SY | DITCH CLEANING DETAIL SHEET |
| 142.1 | SY | ROUNDING |
| 11800 | SY | TOTAL |

DETAILED SUMMARY OF QUANTITIES

| QUANTITIES | UNIT | ITEMS |
|---|---|---|

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_13.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 13 OF 178

# STATE OF VERMONT
# AGENCY OF TRANSPORTATION

## ITEM DETAIL SUMMARY SHEET 1

| BEGIN STATION | END STATION | POS. | 203.30 EARTH BORROW | 204.20 TRENCH EXCAV. OF EARTH | 204.22 TRENCH EXCAV. OF EARTH, EXP. (N.A.B.I.) | 204.30 GRAN. BACKFILL FOR STRUCTURES | 402.12 AGG. SHOULD. | 601.0010 15" CSP .064 (2-2/3 X 1/2) | 601.0015 18" CSP .064 (2-2/3 X 1/2) | 604.412 REHAB. D.I. CLASS I | 613.10 STONE FILL, TYPE I | 619.17 YIELDING MARKER POSTS | 621.20 STEEL BEAM G.R. GALV | 621.205 STEEL BEAM G.R., GALV W/8FT POSTS | 621.207 STEEL BEAM G.R., GALV/NEST W/8 FT POSTS | 621.60 ANCHOR FOR S.B. GUARDRAIL | 621.80 REMOVE & DISP. OF G.R. | 649.31 GEOT. UNDER STONE FILL | 651.35 TOPSOIL | 651.40 GRUBBING MATERIAL | 653.20 TEMP. EROSION MATTING | 676.10 DEL INE. WITH STEEL POSTS | 676.12 REMOVAL OF EXIST. DEL INE. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CY | CY | CY | CY | TON | LF | LF | EACH | CY | EACH | LF | LF | LF | EACH | LF | SY | CY | SY | SY | EACH | EACH | |
| MONTGOMERY | | | | | | | | | | | | | | | | | | | | | | | | |
| 0+20 | 200+79.25 | LT&RT | | | 1 | | 417.2 | | | 2 | | 65 | | | | | | | 68.4 | | | | | ESTIMATED QUANTITIES TO BE USED AS DIRECTED |
| | | | | | | | | | | | | | | | | | | | | | | | | BY RESIDENT ENGINEER |
| 15+30 | 16+10 | RT | | | | | | | | | 12.2 | | | | | | | 54.3 | | 23.2 | 54.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 23+67 | 24+26 | RT | | | | | | | | | 18 | | | | | | | 67.1 | | 44.2 | 67.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 23+75 | 25+25 | LT | | | | | | | | | 34.7 | | | | | | | 137.3 | | 79 | 137.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 24+90.18 | 24+91.27 | LT | | 1 | | 1 | | 3 | | | | | | | | | | | | | | | | EXTEND EXISTING 15" CMP |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 28+02 | 28+23 | RT | | | | | | | | | 6.3 | | | | | | | 23.6 | | 15.4 | 23.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 35+03 | 36+47 | RT | | | | | | | | | 54.2 | | | | | | | 194.6 | | 138.6 | 194.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 36+83 | 37+44 | RT | | | | | | | | | 18.5 | | | | | | | 69 | | 45.2 | 69 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 37+54 | 38+75 | RT | | | | | | | | | 52.4 | | | | | | | 184.2 | | 137.2 | 184.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 37+95.28 | 37+95.40 | RT | | 1 | | 1 | | 4.5 | | | | | | | | | | | | | | | | EXTEND EXISTING 15" CMP |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 38+75 | 40+10 | RT | | | | | | | | | 42.9 | | | | | | | 158.8 | | 106.3 | 158.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 41+60 | 43+20 | RT | | | | | | | | | 39.5 | | | | | | | 154.0 | | 91.8 | 154.0 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 41+82 | 42+47 | LT | | | | | | | | | 23.1 | | | | | | | 94.8 | | 69.5 | 94.8 | | | SEE CROSS SECTIONS FOR STONE FILL PLACEMENT |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 44+60 | 44+80 | RT | | | | | | | | | 2.4 | | | | | | | 11.7 | | 3.9 | 11.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 45+35 | 46+25 | LT | | | | | | | | | 29.3 | | | | | | | 107.9 | | 72.9 | 107.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 45+80 | 46+53 | RT | | | | | | | | | 9.6 | | | | | | | 45.2 | | 16.8 | 45.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 46+71 | 47+60 | RT | | | | | | | | | 11.9 | | | | | | | 55.3 | | 20.7 | 55.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 49+80 | 50+90 | RT | | | | | | | | | 23.6 | | | | | | | 95.2 | | 52.4 | 95.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 54+40 | 55+10 | LT | | | | | | | | | 14.9 | | | | | | | 60.3 | | 33.1 | 60.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 59+50 | 59+75 | RT | | | | | | | | | 8.6 | | | | | | | 31.3 | | 21.6 | 31.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 60+20 | 60+70 | RT | | | | | | | | | 17 | | | | | | | 62 | | 42.5 | 62 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 60+90 | 61+45 | RT | | | | | | | | | 21.8 | | | | | | | 77.7 | | 56.3 | 77.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 62+85 | 64+40 | RT | | | | | | | | | 50.7 | | | | | | | 186.6 | | 126.3 | 186.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 67+85 | 69+40 | RT | | | | | | | | | 42.7 | | | | | | | 162.5 | | 102.2 | 162.5 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| SUBTOTAL | | | - | 2 | 1 | 2 | 417.2 | 7.5 | - | 2 | 534.3 | 65 | - | - | - | - | - | 2033.4 | 68.4 | 1299.1 | 2033.4 | - | - | |

**ITEM DETAIL SUMMARY SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_14.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 14 OF 178

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

# ITEM DETAIL SUMMARY SHEET 2

| BEGIN STATION | END STATION | POS. | 203.30 EARTH BORROW | 204.20 TRENCH EXCAV. OF EARTH | 204.22 TRENCH EXCAV. OF EARTH, EXP. (N.A.B.I.) | 204.30 GRAN. BACKFILL FOR STRUCTURES | 402.12 AGG. SHOULD. | 601.0010 15" CSP .064 (2-2/3 X 1/2) | 601.0015 18" CSP .064 (2-2/3 X 1/2) | 604.412 REHAB. D.I. CLASS I | 613.10 STONE FILL, TYPE I | 619.17 YIELDING MARKER POSTS | 621.20 STEEL BEAM G.R. GALV | 621.205 STEEL BEAM G.R., GALV W/8FT POSTS | 621.207 STEEL BEAM G.R., GALV/NEST W/8 FT POSTS | 621.60 ANCHOR FOR S.B. GUARDRAIL | 621.80 REMOVE & DISP. OF G.R. | 649.31 GEOT. UNDER STONE FILL | 651.35 TOPSOIL | 651.40 GRUBBING MATERIAL | 653.20 TEMP. EROSION MATTING | 676.10 DELINE. WITH STEEL POSTS | 676.12 REMOVAL OF EXIST. DELINE. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CY | CY | CY | CY | TON | LF | LF | EACH | CY | EACH | LF | LF | LF | EACH | LF | SY | CY | SY | SY | EACH | EACH | |
| 82+15 | 84+35 | RT | 25 | | | | | | | | | | 227 | | | 2 | 227 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. 82+15 AND STA. 84+35 |
| 83+10 | 89+10 | LT | 25 | | | | | | | | | | 327 | 277 | | 2 | 604 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. 83+10 AND STA. 89+10 |
| 99+80 | 100+25 | RT | | | | | | | | | 12.2 | | | | | | | 46.6 | | 29.1 | 46.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 99+90 | 100+10 | LT | | | | | | | | | 4.9 | | | | | | | 19.1 | | 11.3 | 19.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 99+98.79 | 99+98.83 | RT | | 1 | | 1 | | 4 | | | | | | | | | | | | | | | | EXTEND EXISTING 15" CMP |
| 103+00 | 103+39 | LT | | | | | | | | | 10.5 | | | | | | | 40.3 | | 25.1 | 40.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 103+75 | 103+90 | RT | | | | | | | | | 4.3 | | | | | | | 16.3 | | 10.5 | 16.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 110+75 | 112+45 | RT | | | | | | | | | 32.0 | | | | | | | 133.7 | | 67.6 | 133.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 114+35 | 114+45 | RT | | | | | | | | | 1.4 | | | | | | | 6.5 | | 2.6 | 6.5 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 114+40 | 115+25 | LT | | | | | | | | | 29.4 | | | | | | | 107 | | 74 | 107 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 118+27 | 118+40 | RT | | | | | | | | | 2.6 | | | | | | | 10.5 | | 5.5 | 10.5 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 119+25 | 119+45 | LT | | | | | | | | | 5.9 | | | | | | | 22.2 | | 14.4 | 22.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 119+45 | 119+70 | RT | | | | | | | | | 6.5 | | | | | | | 25.2 | | 15.5 | 25.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 120+80 | 123+85 | RT | | | | | | | | | 100.4 | | | | | | | 369.1 | | 250.5 | 369.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 124+20 | 124+25 | RT | | | | | | | | | 1.4 | | | | | | | 5.4 | | 3.5 | 5.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 124+25 | 124+40 | RT | | | | | | | | | 4 | | | | | | | 15.4 | | 9.6 | 15.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 124+41.20 | 124+43.98 | LT | | 1 | | 1 | | | 3 | | | | | | | | | | | | | | | EXTEND EXISTING 18" CMP |
| 124+90 | 126+25 | RT | | | | | | | | | 51.2 | | | | | | | 183.6 | | 131.1 | 183.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 128+05 | 129+75 | RT | | | | | | | | | 55.2 | | | | | | | 203.4 | | 137.3 | 203.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 129+75 | 130+30 | RT | | | | | | | | | 13.9 | | | | | | | 53.8 | | 32.4 | 53.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 132+25 | 132+90 | RT | | | | | | | | | 13.3 | | | | | | | 54.4 | | 29.2 | 54.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| SUBTOTAL | | | 50 | 2 | - | 2 | - | 4 | 3 | - | 349.1 | - | 554 | 277 | - | 4 | 831 | 1312.5 | 20 | 849.2 | 1412.5 | 4 | 4 | |

**ITEM DETAIL SUMMARY SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_15.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 15 OF 178

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

# ITEM DETAIL SUMMARY SHEET 3

| BEGIN STATION | END STATION | POS. | 203.30 EARTH BORROW | 204.20 TRENCH EXCAV. OF EARTH | 204.22 TRENCH EXCAV. OF EARTH, EXP. (N.A.B.I.) | 204.30 GRAN. BACKFILL FOR STRUCTURES | 402.12 AGG. SHOULD. | 601.0010 15" CSP .064 (2-2/3 X 1/2) | 601.0015 18" CSP .064 (2-2/3 X 1/2) | 604.412 REHAB. D.I. CLASS I | 613.10 STONE FILL, TYPE I | 619.17 YIELDING MARKER POSTS | 621.20 STEEL BEAM G.R. GALV | 621.205 STEEL BEAM G.R., GALV W/8FT POSTS | 621.207 STEEL BEAM G.R., GALV/NEST W/8 FT POSTS | 621.60 ANCHOR FOR S.B. GUARDRAIL | 621.80 REMOVE & DISP. OF G.R. | 649.31 GEOT. UNDER STONE FILL | 651.35 TOPSOIL | 651.40 GRUBBING MATERIAL | 653.20 TEMP. EROSION MATTING | 676.10 DELINE. WITH STEEL POSTS | 676.12 REMOVAL OF EXIST. DELINE. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CY | CY | CY | CY | TON | LF | LF | EACH | CY | EACH | LF | LF | LF | EACH | LF | SY | CY | SY | SY | EACH | EACH | |
| 135+55 | 135+75 | LT | | | | | | | | | 6.0 | | | | | | | 22.4 | | 14.7 | 22.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 136+30 | 136+60 | LT | | | | | | | | | 7.5 | | | | | | | 29.3 | | 17.6 | 29.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 140+45 | 141+25 | RT | | | | | | | | | 25.6 | | | | | | | 94.7 | | 63.6 | 94.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 142+45 | 146+10 | RT | | | | | | | | | 126 | | | | | | | 459.2 | | 317.3 | 459.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 145+75 | 145+95 | LT | | | | | | | | | 2.3 | | | | | | | 11.3 | | 3.5 | 11.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 151+80 | 153+10 | LT | | | | | | | | | 37 | | | | | | | 139.8 | | 89.2 | 139.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 161+65 | 161+80 | RT | | | | | | | | | 4.7 | | | | | | | 17.3 | | 11.5 | 17.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 164+63 | 164+82 | RT | | | | | | | | | 3.0 | | | | | | | 13.2 | | 5.8 | 13.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 167+90 | 168+55 | RT | | | | | | | | | 27.1 | | | | | | | 95.9 | | 70.6 | 95.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 183+52 | 183+80 | RT | | | | | | | | | 5.2 | | | | | | | 23.8 | | 13.0 | 23.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 188+00 | 188+20 | LT | | | | | | | | | 5.6 | | | | | | | 21.2 | | 13.4 | 21.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 188+00 | 188+60 | RT | | | | | | | | | 20.2 | | | | | | | 73.9 | | 50.6 | 73.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| 189+00 | 189+25 | RT | | | | | | | | | 4.1 | | | | | | | 17.8 | | 8.1 | 17.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| WESTFIELD | | | | | | | | | | | | | | | | | | | | | | | | |
| A 0+00 | A 138+65 | LT&RT | | | | | 284.5 | | | | | 56 | | | | | | | 47.3 | | | | | |
| A 3+95 | A 5+40 | LT | | | | | | | | | 47.3 | | | | | | | 174.1 | | 117.7 | 174.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 11+10 | A 12+25 | LT | | | | | | | | | 40.3 | | | | | | | 146.5 | | 101.8 | 146.5 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 12+25 | A 14+30 | LT | | | | | | | | | 73.5 | | | | | | | 266 | | 186.3 | 266 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 15+55 | A 16+50 | LT | | | | | | | | | 20.8 | | | | | | | 83.6 | | 46.6 | 83.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 36+05 | A 38+30 | RT | 25 | | | | | | | | | | 229 | | | 2 | 225 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. A 36+05 AND STA. A 38+30 |
| A 36+05 | A 38+05 | LT | 25 | | | | | | | | | | | 204 | | 2 | 200 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. A 36+05 AND STA. A 38+05 |
| A 40+10 | A 40+25 | RT | | | | | | | | | 2.1 | | | | | | | 9.7 | | 3.8 | 9.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 40+25 | A 41+25 | RT | | | | | | | | | 36.6 | | | | | | | 131.9 | | 93 | 131.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| SUBTOTAL | | | 50 | - | - | - | 284.5 | - | - | - | 494.9 | 56 | 229 | 204 | - | 4 | 425 | 1831.6 | 67.3 | 1228.1 | 1931.6 | 4 | 4 | |

**ITEM DETAIL SUMMARY SHEET 3**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(11)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_16.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 16 OF 178

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

# ITEM DETAIL SUMMARY SHEET 4

| BEGIN STATION | END STATION | POS. | 203.30 EARTH BORROW | 204.20 TRENCH EXCAV. OF EARTH | 204.22 TRENCH EXCAV. OF EARTH, EXP. (N.A.B.I.) | 204.30 GRAN. BACKFILL FOR STRUCTURES | 402.12 AGG. SHOULD. | 601.0010 15" CSP .064 (2-2/3 X 1/2) | 601.0015 18" CSP .064 (2-2/3 X 1/2) | 604.412 REHAB. D.I. CLASS I | 613.10 STONE FILL, TYPE I | 619.17 YIELDING MARKER POSTS | 621.20 STEEL BEAM G.R. GALV | 621.205 STEEL BEAM G.R., GALV W/8FT POSTS | 621.207 STEEL BEAM G.R., GALV/NEST W/8 FT POSTS | 621.60 ANCHOR FOR S.B. GUARDRAIL | 621.80 REMOVE & DISP. OF G.R. | 649.31 GEOT. UNDER STONE FILL | 651.35 TOPSOIL | 651.40 GRUBBING MATERIAL | 653.20 TEMP. EROSION MATTING | 676.10 DEL INE. WITH STEEL POSTS | 676.12 REMOVAL OF EXIST. DEL INE. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CY | CY | CY | CY | TON | LF | LF | EACH | CY | EACH | LF | LF | LF | EACH | LF | SY | CY | SY | SY | EACH | EACH | |
| A 41+25 | A 42+50 | LT | | | | | | | | | 44.7 | | | | | | | 161.7 | | 113.1 | 161.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 46+70 | A 47+30 | RT | | | | | | | | | 15.6 | | | | | | | 60.2 | | 36.9 | 60.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 47+00 | A 47+25 | LT | | | | | | | | | 4.6 | | | | | | | 19.4 | | 9.7 | 19.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 51+25 | A 51+75 | LT | | | | | | | | | 17.9 | | | | | | | 64.7 | | 45.3 | 64.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 54+20 | A 55+05 | RT | | | | | | | | | 13.7 | | | | | | | 60.1 | | 27 | 60.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 55+45 | A 56+35 | LT | | | | | | | | | 10.6 | | | | | | | 51.9 | | 16.9 | 51.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 56+50 | A 57+25 | RT | | | | | | | | | 25 | | | | | | | 91.6 | | 62.5 | 91.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 57+25 | A 57+70 | RT | | | | | | | | | 53.6 | | | | | | | 55.3 | | 37.8 | 55.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 58+00 | A 58+70 | RT | | | | | | | | | 15.1 | | | | | | | 60.9 | | 33.7 | 60.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 58+60 | A 58+95 | LT | | | | | | | | | 7.5 | | | | | | | 30.4 | | 16.8 | 30.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 61+60 | A 66+10 | RT | 25 | | | | | | | | | | | 454 | | 2 | 450 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. A 61+60 AND STA. A 66+10 |
| A 61+75 | A 65+75 | LT | 25 | | | | | | | | | | 227 | 177 | | 2 | 400 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. A 61+75 AND STA. A 65+75 |
| A 62+50 | A 62+75 | RT | | | | | | | | | 4.3 | | | | | | | 18.3 | | 8.6 | 18.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 62+75 | A 65+70 | RT | | | | | | | | | 77.4 | | | | | | | 297.8 | | 183.1 | 297.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 66+75 | A 68+25 | RT | | | | | | | | | 67.3 | | | | | | | 235.1 | | 176.8 | 235.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 68+25 | A 69+95 | RT | | | | | | | | | 60.6 | | | | | | | 219.5 | | 153.4 | 219.5 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 70+75 | A 71+20 | RT | | | | | | | | | 12.5 | | | | | | | 47.5 | | 30 | 47.5 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 72+85 | A 78+10 | RT | 25 | | | | | | | | | | | 504 | 25 | 2 | 525 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. A 72+85 AND STA. A 78+10 |
| A 73+65 | A 80+90 | LT | 25 | | | | | | | | | | | 704 | 25 | 2 | 725 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. A 73+65 AND STA. A 80+90 |
| A 74+55 | A 75+40 | LT | | | | | | | | | 28.7 | | | | | | | 105 | | 72 | 105 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 75+60 | A 75+80 | RT | | | | | | | | | 3.4 | | | | | | | 14.5 | | 6.7 | 14.5 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 75+75 | A 79+25 | LT | | | | | | | | | 98 | | | | | | | 371.8 | | 235.6 | 371.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 77+10 | A 77+30 | RT | | | | | | | | | 2.9 | | | | | | | 13 | | 5.3 | 13 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| SUBTOTAL | | | 100 | - | - | - | - | - | - | - | 563.4 | - | 227 | 1839 | 50 | 8 | 2100 | 1978.7 | 40 | 1271.2 | 2178.7 | 8 | 8 | |

**ITEM DETAIL SUMMARY SHEET 4**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_I7.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 17 OF 178

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

# ITEM DETAIL SUMMARY SHEET 5

| BEGIN STATION | END STATION | POS. | 203.30 EARTH BORROW | 204.20 TRENCH EXCAV. OF EARTH | 204.22 TRENCH EXCAV. OF EARTH, EXP. (N.A.B.I.) | 204.30 GRAN. BACKFILL FOR STRUCT-URES | 402.12 AGG. SHOULD. | 601.0010 15" CSP .064 (2-2/3 X 1/2) | 601.0015 18" CSP .064 (2-2/3 X 1/2) | 604.412 REHAB. D.I. CLASS I | 613.10 STONE FILL, TYPE I | 619.17 YIELDING MARKER POSTS | 621.20 STEEL BEAM G.R. GALV | 621.205 STEEL BEAM G.R. GALV W/8FT POSTS | 621.207 STEEL BEAM G.R. GALV/NEST W/8 FT POSTS | 621.60 ANCHOR FOR S.B. GUARDRAIL | 621.80 REMOVE & DISP. OF G.R. | 649.31 GEOT. UNDER STONE FILL | 651.35 TOPSOIL | 651.40 GRUBBING MATERIAL | 653.20 TEMP. EROSION MATTING | 676.10 DELINE. WITH STEEL POSTS | 676.12 REMOVAL OF EXIST. DELINE. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CY | CY | CY | CY | TON | LF | LF | EACH | CY | EACH | LF | LF | LF | EACH | LF | SY | CY | SY | SY | EACH | EACH | |
| A 79+25 | A 80+30 | LT | | | | | | | | | 12.9 | | | | | | | 61.9 | | 21.1 | 61.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 79+50 | | LT | | | | | | | | | 26.1 | | | | | | | 46.7 | | 37 | 46.7 | | | REPAIR ERODED AREA |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| A 81+80 | A 84+75 | RT | | | | | | | | | 59.1 | | | | | | | 242.9 | | 128.2 | 242.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 84+75 | A 85+10 | RT | | | | | | | | | 8.5 | | | | | | | 33.3 | | 19.7 | 33.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 85+60 | A 86+65 | RT | | | | | | | | | 36.1 | | | | | | | 131.6 | | 90.8 | 131.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 88+80 | A 90+50 | LT | | | | | | | | | 54.7 | | | | | | | 202 | | 135.9 | 202 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 90+50 | A 90+75 | LT | | | | | | | | | 5.1 | | | | | | | 20.8 | | 11.1 | 20.8 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 91+10 | A 92+60 | RT | | | | | | | | | 47.3 | | | | | | | 175.3 | | 116.9 | 175.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 91+90 | A 92+30 | LT | | | | | | | | | 7.4 | | | | | | | 31 | | 15.4 | 31 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 93+05 | A 93+50 | RT | | | | | | | | | 7 | | | | | | | 31.1 | | 13.6 | 31.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 98+75 | A 99+00 | RT | | | | | | | | | 4.5 | | | | | | | 19 | | 9.3 | 19 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 100+35 | A 102+85 | LT | 25 | | | | | | | | | | 254 | | | 2 | 250 | | 10 | | 50 | 2 | 2 | INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR AT |
| | | | | | | | | | | | | | | | | | | | | | | | | STA. A 100+35 AND STA. 102+85 |
| A 101+30 | A 101+75 | LT | | | | | | | | | 8.1 | | | | | | | 34.3 | | 16.8 | 34.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 101+75 | A 102+50 | LT | | | | | | | | | 12.3 | | | | | | | 53.7 | | 24.5 | 53.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 106+90 | A 107+50 | LT | | | | | | | | | 21.4 | | | | | | | 77.6 | | 54.3 | 77.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 107+50 | A 108+00 | LT | | | | | | | | | 11.5 | | | | | | | 45.7 | | 26.3 | 45.7 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 108+95 | A 109+65 | RT | | | | | | | | | 13.2 | | | | | | | 55.2 | | 28 | 55.2 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 109+45 | A 111+05 | LT | | | | | | | | | 61.2 | | | | | | | 219.1 | | 156.9 | 219.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 112+60 | A 113+25 | RT | | | | | | | | | 8 | | | | | | | 38.3 | | 13 | 38.3 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 113+25 | A 114+35 | RT | | | | | | | | | 16.1 | | | | | | | 72.9 | | 30.1 | 72.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 114+70 | A 116+00 | RT | | | | | | | | | 29.1 | | | | | | | 116.1 | | 65.6 | 116.1 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 117+03 | A 117+40 | RT | | | | | | | | | 5.8 | | | | | | | 25.9 | | 11.5 | 27.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 118+00 | A 118+40 | RT | | | | | | | | | 8 | | | | | | | 32.9 | | 17.3 | 32.9 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 119+95 | A 121+30 | LT | | | | | | | | | 42.5 | | | | | | | 157.4 | | 104.9 | 157.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| SUBTOTAL | | | 25 | - | - | - | - | - | - | - | 505.9 | - | 254 | - | - | 2 | 250 | 1924.7 | 10 | 1148.2 | 1974.7 | 2 | 2 | |

**ITEM DETAIL SUMMARY SHEET 5**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_18A.1

PLOT DATE: 9/5/12
DRAWN BY: JBG
CHECKED BY: CDL
SHEET 18A OF 178

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

# ITEM DETAIL SUMMARY SHEET 6

| BEGIN STATION | END STATION | POS. | 203.30 EARTH BORROW | 204.20 TRENCH EXCAV. OF EARTH | 204.22 TRENCH EXCAV. OF EARTH, EXP. (N.A.B.I.) | 204.30 GRAN. BACKFILL FOR STRUCT-URES | 402.12 AGG. SHOULD. | 601.0010 15" CSP .064 (2-2/3 X 1/2) | 601.0015 18" CSP .064 (2-2/3 X 1/2) | 604.412 REHAB. D.I. CLASS I | 613.10 STONE FILL, TYPE I | 619.17 YIELDING MARKER POSTS | 621.20 STEEL BEAM G.R. GALV | 621.205 STEEL BEAM G.R. GALV W/8FT POSTS | 621.207 STEEL BEAM G.R. GALV/NEST W/8 FT POSTS | 621.60 ANCHOR FOR S.B. GUARDRAIL | 621.80 REMOVE & DISP. OF G.R. | 649.31 GEOT. UNDER STONE FILL | 651.35 TOPSOIL | 651.40 GRUBBING MATERIAL | 653.20 TEMP. EROSION MATTING | 676.10 DELINE. WITH STEEL POSTS | 676.12 REMOVAL OF EXIST. DELINE. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CY | CY | CY | CY | TON | LF | LF | EACH | CY | EACH | LF | LF | LF | EACH | LF | SY | CY | SY | SY | EACH | EACH | |
| A 121+20 | A 122+40 | RT | | | | | | | | | 19 | | | | | | | 83.6 | | 37 | 83.6 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| A 131+60 | A 132+50 | RT | | | | | | | | | 27.8 | | | | | | | 103.4 | | 68.4 | 103.4 | | | PLACE STONE FILL ON SLOPES GREATER THAN 1:2 |
| | | | | | | | | | | | | | | | | | | | | | | | | FOR SLOPE STABILIZATION |
| SUBTOTAL THIS SHEET | | | - | - | - | - | - | - | - | - | 46.8 | - | - | - | - | - | - | 187 | - | 105.4 | 187 | - | - | |
| SUBTOTAL SHEET 1 | | | - | 2 | 1 | 2 | 417.2 | 7.5 | - | 2 | 534.3 | 65 | - | - | - | - | - | 2033.4 | 68.4 | 1299.1 | 2033.4 | - | - | |
| SUBTOTAL SHEET 2 | | | 50 | 2 | - | 2 | - | 4 | 3 | - | 349.1 | - | 554 | 277 | - | 4 | 831 | 1312.5 | 20 | 849.2 | 1412.5 | 4 | 4 | |
| SUBTOTAL SHEET 3 | | | 50 | - | - | - | 284.5 | - | - | - | 494.9 | 56 | 229 | 204 | - | 4 | 425 | 1831.6 | 67.3 | 1228.1 | 1931.6 | 4 | 4 | |
| SUBTOTAL SHEET 4 | | | 100 | - | - | - | - | - | - | - | 563.4 | - | 227 | 1839 | 50 | 8 | 2100 | 1978.7 | 40 | 1271.2 | 2178.7 | 8 | 8 | |
| SUBTOTAL SHEET 5 | | | 25 | - | - | - | - | - | - | - | 505.9 | - | 254 | - | - | 2 | 250 | 1924.7 | 10 | 1148.2 | 1974.7 | 2 | 2 | |
| ROUNDING | | | - | - | - | - | 8.3 | 2.5 | 1 | - | - | - | 11 | 5 | - | - | - | - | 4.3 | 48.8 | - | - | - | |
| TOTAL | | | 225 | 4 | 1 | 4 | 710 | 14 | 4 | 2 | 2494.4 | 121 | 1275 | 2325 | 50 | 18 | 3606 | 9267.9 | 210 | 5950 | 9717.9 | 18 | 18 | |

**ITEM DETAIL SUMMARY SHEET 6**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_18B.I

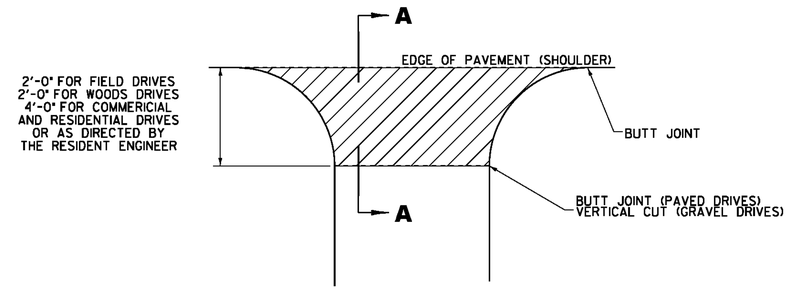
PLOT DATE: 9/5/12
DRAWN BY: JBG
CHECKED BY: CDL
SHEET 18B OF 178

| STATION | POSITION | TYPE | QUANTITY (SY) |
|---|---|---|---|
| MONTGOMERY | | | |
| 1+03 | RT | PAVED | 14.1 |
| 2+33 | LT | PAVED | 41.1 |
| 2+65 | RT | PAVED | 20.4 |
| 2+98 | LT | PAVED | 35.4 |
| 3+42 | RT | GRAVEL | 7.7 |
| 4+58 | LT | PAVED | 9.7 |
| 4+80 | RT | PAVED | 22.2 |
| 5+39 | RT | GRAVEL | 6.5 |
| 6+30 | RT | PAVED | 13.4 |
| 6+46 | LT | PAVED | 10.9 |
| 6+68 | LT | GRAVEL | 6.0 |
| 8+55 | LT | GRAVEL | 10.3 |
| 9+48 | LT | GRAVEL | 11.0 |
| 9+59 | RT | PAVED | 72.5 |
| 10+73 | LT | GRAVEL | 16.7 |
| 11+04 | LT | GRAVEL | 8.1 |
| 11+65 | LT | GRAVEL | 8.2 |
| 12+11 | RT | PAVED | 19.2 |
| 13+56 | LT | GRAVEL | 6.0 |
| 14+03 | RT | GRAVEL | 6.9 |
| 17+90 | RT | PAVED | 9.6 |
| 21+59 | RT | GRAVEL | 48.3 |
| 23+03 | LT | GRAVEL | 11.9 |
| 23+48 | RT | PAVED | 23.6 |
| 28+04 | LT | GRAVEL | 9.2 |
| 30+22 | LT | FIELD | 8.4 |
| 33+23 | RT | GRAVEL | 24.0 |
| 33+67 | RT | FIELD | 3.3 |
| 37+65 | LT | WOODS | 4.3 |
| 40+49 | LT | FIELD | 3.5 |
| 40+78 | RT | FIELD | 15.5 |
| 42+58 | LT | GRAVEL | 7.3 |
| 46+62 | RT | GRAVEL | 7.7 |

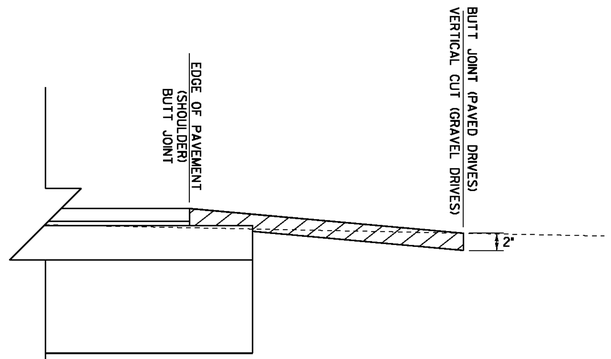
| STATION | POSITION | TYPE | QUANTITY (SY) |
|---|---|---|---|
| 47+45 | LT | WOODS | 6.9 |
| 49+09 | RT | GRAVEL | 7.9 |
| 53+76 | RT | PAVED | 52.7 |
| 57+25 | RT | GRAVEL | 17.3 |
| 58+98 | RT | GRAVEL | 11.6 |
| 59+53 | LT | GRAVEL | 8.4 |
| 61+69 | RT | GRAVEL | 12.8 |
| 65+29 | RT | GRAVEL | 8.4 |
| 66+50 | LT | GRAVEL | 10.3 |
| 67+09 | RT | GRAVEL | 21.4 |
| 69+13 | LT | FIELD | 7.4 |
| 71+50 | LT | PAVED | 33.7 |
| 72+44 | RT | GRAVEL | 11.3 |
| 74+96 | LT | GRAVEL | 12.6 |
| 75+97 | LT | GRAVEL | 13.9 |
| 82+12 | LT | GRAVEL | 16.1 |
| 82+96 | LT | WOODS | 6.9 |
| 93+08 | RT | GRAVEL | 12.3 |
| 97+79 | LT | GRAVEL | 13.6 |
| 98+20 | RT | GRAVEL | 11.4 |
| 100+56 | RT | GRAVEL | 10.7 |
| 101+99 | RT | FIELD | 7.0 |
| 109+86 | RT | GRAVEL | 13.1 |
| 112+86 | RT | GRAVEL | 12.3 |
| 113+35 | LT | GRAVEL | 10.4 |
| 114+27 | LT | GRAVEL | 12.0 |
| 117+68 | LT | GRAVEL | 17.2 |
| 124+23 | LT | GRAVEL | 9.8 |
| 124+93 | LT | GRAVEL | 10.0 |
| 132+62 | LT | FIELD | 5.2 |
| 134+28 | LT | GRAVEL | 30.6 |
| 136+11 | RT | GRAVEL | 12.9 |
| 138+97 | LT | PAVED | 47.2 |

| STATION | POSITION | TYPE | QUANTITY (SY) |
|---|---|---|---|
| 141+55 | RT | WOODS | 2.5 |
| 147+23 | RT | GRAVEL | 9.5 |
| 148+95 | RT | GRAVEL | 11.9 |
| 151+69 | LT | GRAVEL | 11.8 |
| 156+05 | RT | GRAVEL | 19.4 |
| 160+61 | LT | GRAVEL | 16.7 |
| 161+19 | RT | GRAVEL | 31.0 |
| 161+35 | LT | GRAVEL | 17.1 |
| 162+71 | LT | GRAVEL | 13.4 |
| 167+66 | RT | GRAVEL | 8.2 |
| 169+37 | LT | GRAVEL | 14.0 |
| 172+77 | LT | GRAVEL | 10.8 |
| 172+99 | RT | GRAVEL | 13.6 |
| 176+91 | LT | GRAVEL | 20.5 |
| 177+57 | LT | GRAVEL | 14.8 |
| 177+62 | RT | GRAVEL | 17.5 |
| 183+41 | LT | GRAVEL | 22.1 |
| 187+47 | RT | GRAVEL | 8.7 |
| 188+87 | RT | FIELD | 4.0 |
| 195+86 | LT | GRAVEL | 12.0 |
| 196+73 | LT | GRAVEL | 8.4 |
| 198+41 | RT | GRAVEL | 16.2 |
| WESTFIELD | | | |
| A 3+24 | LT | GRAVEL | 21.1 |
| A 4+05 | RT | GRAVEL | 11.4 |
| A 9+49 | LT | PAVED | 215.7 |
| A 9+56 | RT | PAVED | 12.2 |
| A 12+98 | RT | GRAVEL | 15.2 |
| A 14+78 | LT | FIELD | 4.4 |
| A 17+80 | LT | GRAVEL | 52.6 |
| A 30+05 | RT | PAVED | 47.8 |
| A 30+58 | LT | PAVED | 15.0 |
| A 31+71 | RT | GRAVEL | 14.2 |
| A 39+77 | LT | PAVED | 22.9 |

| STATION | POSITION | TYPE | QUANTITY (SY) |
|---|---|---|---|
| A 40+79 | LT | GRAVEL | 15.5 |
| A 41+67 | RT | GRAVEL | 14.5 |
| A 46+48 | LT | GRAVEL | 15.4 |
| A 53+05 | LT | GRAVEL | 9.1 |
| A 56+00 | RT | PAVED | 27.6 |
| A 61+13 | RT | GRAVEL | 35.5 |
| A 61+50 | LT | GRAVEL | 17.2 |
| A 72+52 | RT | GRAVEL | 39.5 |
| A 91+01 | LT | GRAVEL | 14.4 |
| A 99+91 | LT | GRAVEL | 36.1 |
| A 103+23 | RT | GRAVEL | 16.2 |
| A 111+94 | LT | WOODS | 8.3 |
| A 126+05 | LT | WOODS | 3.9 |
| A 133+22 | LT | WOODS | 5.2 |
| | | SUBTOTAL | 2013.2 |
| | | ROUNDING | 86.8 |
| | | TOTAL | 2100.0 |




**PLAN**




**SECTION A-A**

## HANDWORK DETAILS FOR DRIVES

VT ROUTE 242

**NOTES:**

1. PAVING LIFT NOT TO EXCEED TWO INCHES (50mm).

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

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

**LEGEND**

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

**DETAILS ARE NOT TO SCALE**

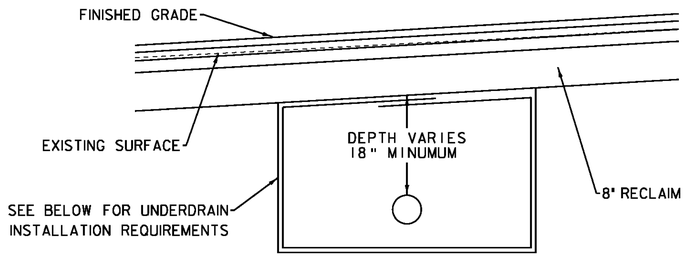
**HANDWORK DETAILS FOR DRIVES**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_19.1

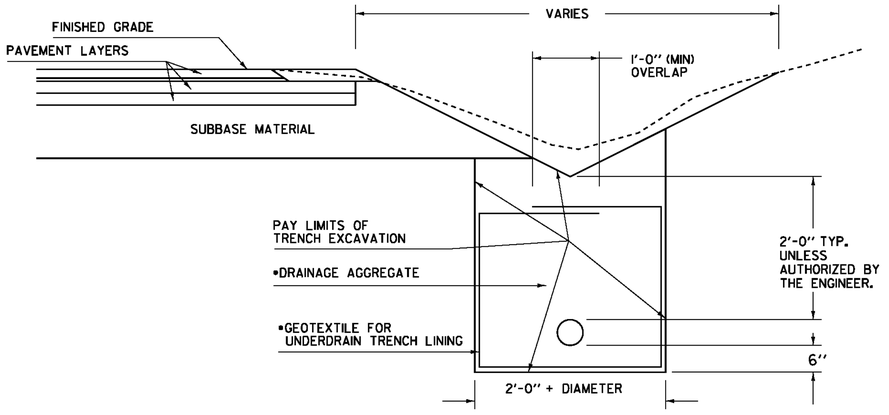
PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 19 OF 178

| LOCATION | | | | | | MISC. ITEMS | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| SITE | STATION | | STATION | | POS. | 605.10 | * | * | 204.20 | 619.17 | * ITEMS TO BE PAID AS PART OF ITEM |
| | | | | | | 6 INCH | DRAINAGE | GEOTEXTILE | TRENCH | YIELDING | 605.10 "6 INCH UNDERDRAIN PIPE" |
| | | | | | | UNDERDRAIN PIPE | AGGREGATE | FOR TRENCH | EXCAVATION | MARKER POSTS | |
| | | | | | | LF | CY | SY | CY | EA | |
| 1 | | 3+15 | | 3+67 | LT&RT | 65.0 | 24.1 | 101.1 | 24.1 | 2 | CONNECT OUTLET TO CATCH BASIN |
| 2 | | 9+95 | | 13+75 | RT | 380.0 | 140.7 | 591.1 | 140.7 | 2 | |
| 3 | | 26+00 | | 28+00 | RT | 200.0 | 74.1 | 311.1 | 74.1 | 2 | |
| 4 | | 31+00 | | 33+00 | LT | 200.0 | 74.1 | 311.1 | 74.1 | 2 | |
| 5 | | 33+50 | | 37+00 | LT | 350.0 | 129.6 | 544.4 | 129.6 | 2 | |
| 6 | | 38+00 | | 42+45 | LT | 445.0 | 164.8 | 692.2 | 164.8 | 2 | |
| 7 | | 48+00 | | 52+00 | LT | 400.0 | 148.1 | 622.2 | 148.1 | 2 | |
| 8 | | 56+50 | | 59+00 | LT | 250.0 | 92.6 | 388.9 | 92.6 | 2 | |
| 9 | | 61+00 | | 66+00 | LT | 500.0 | 185.2 | 777.8 | 185.2 | 2 | |
| 10 | | 67+00 | | 68+50 | LT | 150.0 | 55.6 | 233.3 | 55.6 | 2 | |
| 11 | | 69+50 | | 71+00 | LT | 150.0 | 55.6 | 233.3 | 55.6 | 2 | |
| 12 | | 100+50 | | 102+00 | LT | 150.0 | 55.6 | 233.3 | 55.6 | 2 | |
| 13 | | 108+50 | | 111+00 | LT | 250.0 | 92.6 | 388.9 | 92.6 | 2 | |
| 14 | | 115+00 | | 117+00 | LT | 200.0 | 74.1 | 311.1 | 74.1 | 2 | |
| 15 | | 126+50 | | 132+00 | LT | 550.0 | 203.7 | 855.6 | 203.7 | 2 | |
| 16 | | 143+00 | | 147+00 | LT | 400.0 | 148.1 | 622.2 | 148.1 | 2 | |
| 17 | | 156+50 | | 160+00 | LT | 350.0 | 129.6 | 544.4 | 129.6 | 2 | |
| 18 | | 170+00 | | 172+50 | RT | 250.0 | 92.6 | 388.9 | 92.6 | 2 | |
| 19A | | 199+50 | | 200+79 | RT | 129.0 | 47.8 | 200.7 | 47.8 | 1 | |
| 19B | A | 0+00 | A | 3+50 | RT | 350.0 | 129.6 | 544.4 | 129.6 | 1 | |
| 20 | A | 7+00 | A | 9+00 | RT | 200.0 | 74.1 | 311.1 | 74.1 | 2 | |
| 21 | A | 24+50 | A | 26+50 | LT | 200.0 | 74.1 | 311.1 | 74.1 | 2 | |
| 22 | A | 31+00 | A | 35+50 | LT | 450.0 | 166.7 | 700.0 | 166.7 | 2 | |
| 23 | A | 44+50 | A | 46+00 | LT | 150.0 | 55.6 | 233.3 | 55.6 | 2 | |
| 24 | A | 47+50 | A | 51+00 | LT | 350.0 | 129.6 | 544.4 | 129.6 | 2 | |
| 25 | A | 59+50 | A | 61+00 | LT | 150.0 | 55.6 | 233.3 | 55.6 | 2 | |
| 26 | A | 68+50 | A | 73+50 | LT | 500.0 | 185.2 | 777.8 | 185.2 | 2 | |
| 27 | A | 95+50 | A | 98+50 | LT | 300.0 | 111.1 | 466.7 | 111.1 | 2 | |
| 28 | A | 122+00 | A | 125+50 | LT | 350.0 | 129.6 | 544.4 | 129.6 | 2 | |
| 29 | A | 128+50 | A | 129+50 | LT | 100.0 | 37.0 | 155.6 | 37.0 | 2 | |
| 30 | A | 133+50 | A | 136+50 | LT | 300.0 | 111.1 | 466.7 | 111.1 | 2 | |
| | | SUBTOTAL | | | | 8769.0 | 3247.9 | 13640.4 | 3247.9 | 60 | |
| | | ROUNDING | | | | 31.0 | - | - | - | - | |
| | | TOTAL | | | | 8800.0 | 3247.9 | 13640.4 | ** | ** | ** SEE QUANTITY SHEETS FOR TOTAL QUANTITIES. |




**UNDERDRAIN CROSSING ROAD DETAIL**

NOT TO SCALE




DRAINAGE AGGREGATE SHALL MEET THE REQUIREMENTS OF SUBSECTION 704.16.

• ITEMS ARE PAID AS PART OF THE UNIT PRICE BID FOR PAY ITEM 605.10 "6 INCH UNDERDRAIN PIPE"

UNDERDRAIN DETAIL

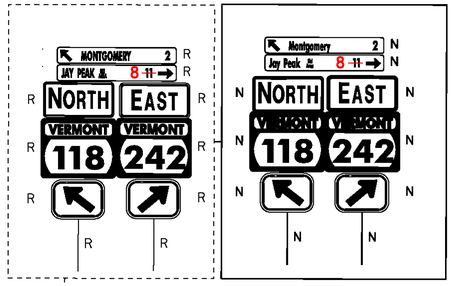
NOTE: GEOTEXTILE FOR UNDERDRAIN TRENCH LINING SHALL NOT BE PLACED AROUND UNDERDRAIN WHEN COVER ABOVE UNDERDRAIN IS LESS THAN 1 FOOT.

**UNDERDRAIN DETAIL SHEET**

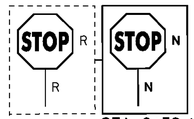
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10c190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10c190_20.1

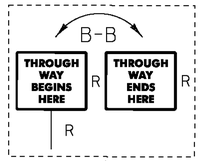
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL



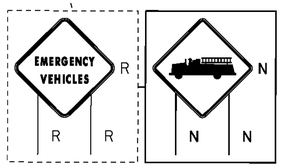

STA. 0+53 LT



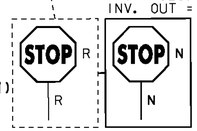

STA. 0+59 LT



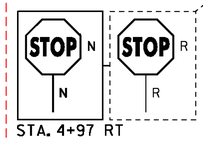

STA. 2+62 LT




STA. 1+83 RT




STA. 0+54 RT




STA. 4+97 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 0+20 - STA. 5+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 0+33 - STA. 5+25 (SOLID LT & RT)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
STA. 0+33 LT

DURABLE LETTER OF SYMBOL (SEE OPTION ITEMS)
STA. 0+42 LT "STOP"

REHAB, DROP INLET, CATCH BASINS, OR MANHOLES, CLASS I
STA. 0+57 RT
STA. 3+58 RT

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
~~STA. 0+50 - STA. 1+80 RT~~
STA. 1+20 - STA. 2+61 RT
STA. 3+46 - STA. 4+ 61 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 0+20 - STA. 5+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 0+33 - STA. 5+25 (SOLID LT & RT)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 0+33 LT

TEMPORARY LETTER OF SYMBOL, PAINT
STA. 0+42 LT "STOP"

6 INCH UNDERDRAIN PIPE
STA. ~~3+15 LT~~ 3+ 67 RT - STA. ~~3+67 RT~~ 3+ 75 LT

REMOVING SIGNS
AS SHOWN - 14

VT STATE PLANE GRID

CB
RIM = 526.51
INV. IN = 521.53

HVCNTRL 16
N: 866545.116
E: 1612404.610
ELEV. 530.177

TO EAST BERKSHIRE

POB STA 0+00.00

PC STA 0+16.41

BEGIN RECLAIM
STA. 0+72.00 = MM 0.014

PT STA 0+75.71

APPROXIMATE EXISTING PAVEMENT JOINT

PC STA 0+93.02

WHITE BIRCH

BUILDING

EXISTING PAVEMENT WIDTH 24'

INV. 526.35
GARAGE

GRAVEL

GUY

COMBO

TEL JCT BOX

PAVED

AER E&T

CURVE #1

R140'

5' CMP

STA. 1+77 VT ROUTE 242

STA. 0+52

R 101'

PI STA 0+46.45

BUILDING

GRAVEL

GUY

COMBO

PAVED

BM 16
USGS DISK
ELEV. 533.12

CB
RIM = 528.80
INV. OUT = 522.69

INV. 527.16

HYD

BUILDING

PORCH

PIPE TO BE REMOVED PRIOR TO CONSTRUCTION

BORING B-101

BEGIN PROJECT STP 2906(I)
STA. 0+20.00 = MM 0.004

MINIMAL COVER
CONTRACTOR USE CAUTION
SEE DETAIL ON SHEET 8

INV. 530.02
~~INV. 531.60'~~
CONNECT PROPOSED UNDERDRAIN TO CATCH BASIN (CONSIDERED INCIDENTAL TO ITEM 605.10 6 INCH UNDERDRAIN)

CB
RIM = 534.12
INV. IN = 531.61
INV. OUT = 531.43

TMH

GARDEN

CB
RIM = 540.14
INV. OUT = 535.42

INV. 535.40'
14' RT

CURVE #2

PI STA 3+77.52

BM 15
RRS IN COMBO
ELEV.

COMBO 98C
4
2
TIE

BUILDING

PAVED

WESTBOUND

EASTBOUND

R 27'

R 12'

MAPLE

GARDEN

PORCH

HEDGE

GRAVEL

HVCNTRL 15
N: 867001.983
E: 1612591.764
ELEV. 547.637

MATCHLINE STA. 5+25 SEE NEXT SHEET

SEE ATTACHED RETAINING WALL PLANS
SEE COD #2

SEH
2-20-14

CURVE #1
DELTA = 22°39'09"
D = 38°11'50"
R = 150.00'
T = 30.04'
L = 59.30'
E = 2.98'
DESIGN SPEED 30 MPH
MATCH EXISTING BANKING

CURVE #2
DELTA = 22°58'26"
D = 4°05'33"
R = 1400.00'
T = 284.50'
L = 561.36'
E = 28.62'
DESIGN SPEED 30 MPH
SEE SUPERELEVATION DIAGRAMS FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- --- = EXISTING
- —— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

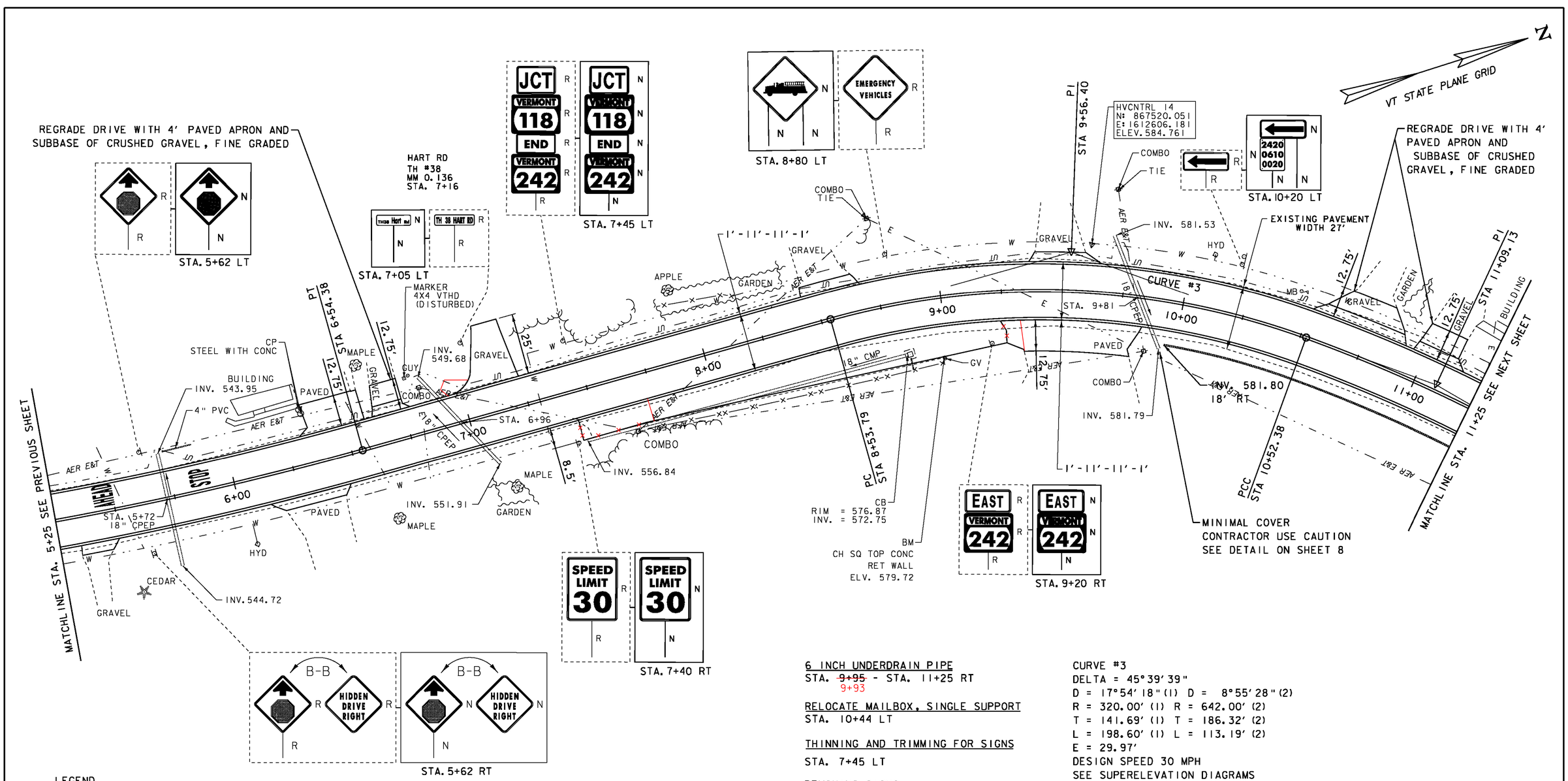
SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_22.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 22 OF 178




LEGEND

- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
--- = EXISTING
—— = NEW

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. ~~7+43~~ 7+74 - STA. ~~9+26~~ 9+37 RT / STA. 6+93 - STA. 7+01 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 5+25 - STA. 11+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 5+25 - STA. 11+25 (SOLID LT & RT)

DURABLE LETTER OF SYMBOL (SEE OPTION ITEMS)
STA. 5+42 LT "AHEAD"
STA. 5+82 LT "STOP"

6 INCH UNDERDRAIN PIPE
STA. ~~9+95~~ 9+93 - STA. 11+25 RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 10+44 LT

THINNING AND TRIMMING FOR SIGNS
STA. 7+45 LT

REMOVING SIGNS
AS SHOWN - 13

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 5+25 - STA. 11+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 5+25 - STA. 11+25 (SOLID LT & RT)

TEMPORARY LETTER OF SYMBOL, PAINT
STA. 5+42 LT "AHEAD"
STA. 5+82 LT "STOP"

CURVE #3
DELTA = 45°39'39"
D = 17°54'18" (1) D = 8°55'28" (2)
R = 320.00' (1) R = 642.00' (2)
T = 141.69' (1) T = 186.32' (2)
L = 198.60' (1) L = 113.19' (2)
E = 29.97'
DESIGN SPEED 30 MPH
SEE SUPERELEVATION DIAGRAMS FOR BANKING INFORMATION

SCALE IN FEET
20 0 20

SEH
2-20-14

**PROJECT LAYOUT SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_23.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 23 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 11+25 - STA. 16+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 11+25 - STA. 16+75 (SOLID LT & RT)

BARRIER FENCE
STA. 14+23 - STA. 15+60 LT
STA. 14+33 - STA. 16+12 RT

EROSION LOG
STA. 14+23 - STA. 15+60 LT
STA. 14+33 - STA. 16+12 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 11+25 - STA. 16+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 11+25 - STA. 16+75 (SOLID LT & RT)

STONE FILL, TYPE I
STA. 15+30 - STA. 16+10 RT

GRUBBING MATERIAL
STA. 15+30 - STA. 16+10 RT

GEOTEXTILE UNDER STONE FILL
STA. 15+30 - STA. 16+10 RT

GEOTEXTILE FOR SILT FENCE
STA. 15+30 - STA. 16+10 RT

6 INCH UNDERDRAIN PIPE
STA. 11+25 - STA. ~~13+75~~ 13+53 RT
STA. 15+98 - STA. 16+75 RT

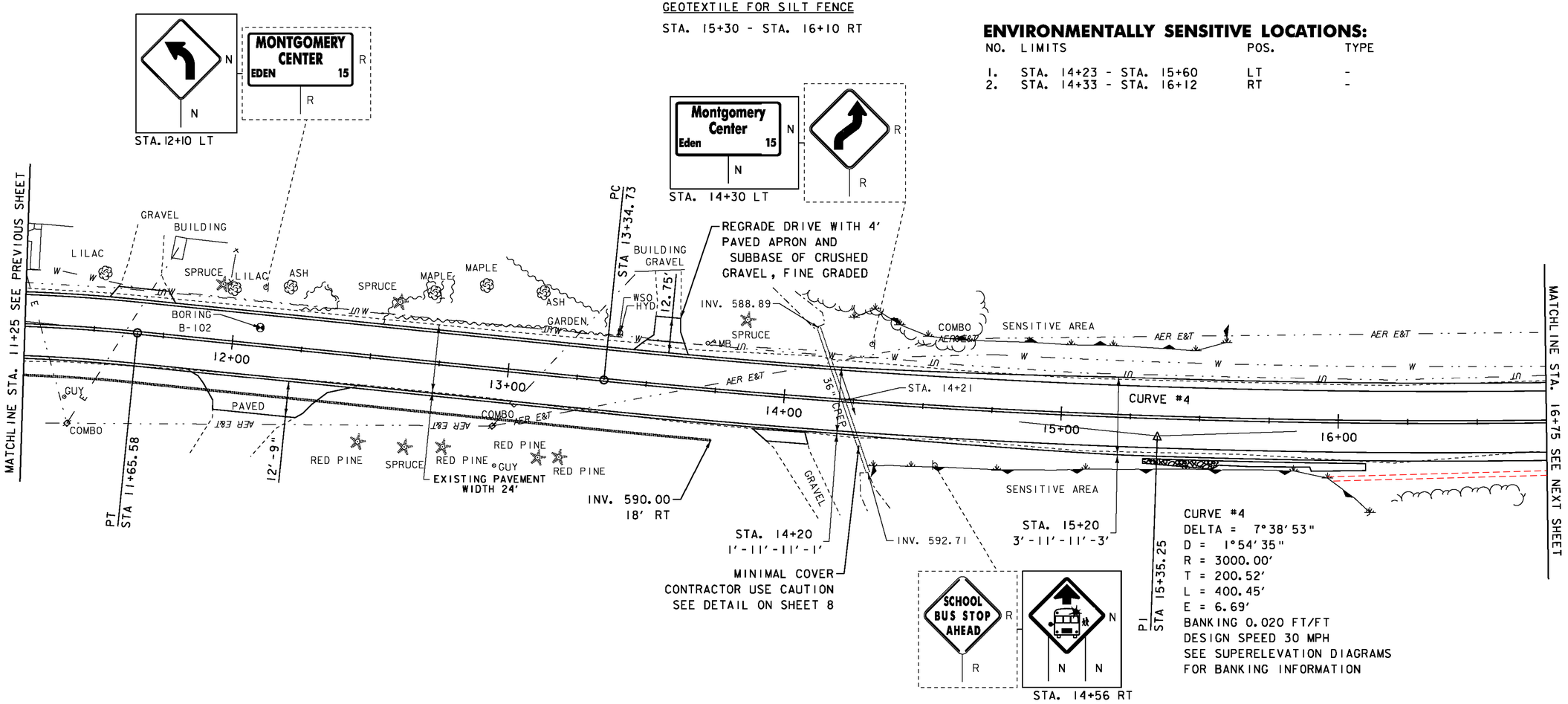
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 13+70 LT

REMOVING SIGNS
AS SHOWN - 3

VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 1. | STA. 14+23 - STA. 15+60 | LT | - |
| 2. | STA. 14+33 - STA. 16+12 | RT | - |




SEH
2-25-14

DATUM
NAVD 88
NAD 83

LEGEND

| | | | |
|---|---|---|---|
| MAILBOX | MANHOLE | CURB INLET | |
| BORING | WATER SHUT OFF (WSO) | TRAFFIC CONTROL BOX | |
| SIGN | GAS PIPELINE MARKER | PARKING METER | |
| HYDRANT | CATCH BASIN / DROP INLET | UTILITY POLE | |

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 3**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_24.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 24 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 16+75 - STA. 22+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #14)
STA. 21+32 LT (EDGELINES TH #14)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 16+75 - STA. 22+25 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #14)
STA. 21+32 LT (CENTERLINE TH #14)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)

STA. 21+13 - STA. 21+34 LT (TH#14)

DURABLE LETTER OF SYMBOL (SEE OPTION ITEMS)

STA. 21+28 LT "STOP" (TH#14)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 16+75 - STA. 22+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #14)
STA. 21+32 LT (EDGELINES TH#14)

TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 16+75 - STA. 22+25 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #14)
STA. 21+32 LT (CENTERLINE TH #14)

TEMPORARY 24 INCH STOP BAR, PAINT

STA. 21+13 - STA. 21+34 LT (TH#14)

TEMPORARY LETTER OF SYMBOL, PAINT

STA. 21+28 LT "STOP" (TH#14)

REMOVING SIGNS

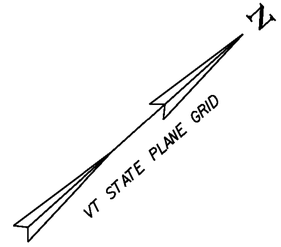
AS SHOWN - 5

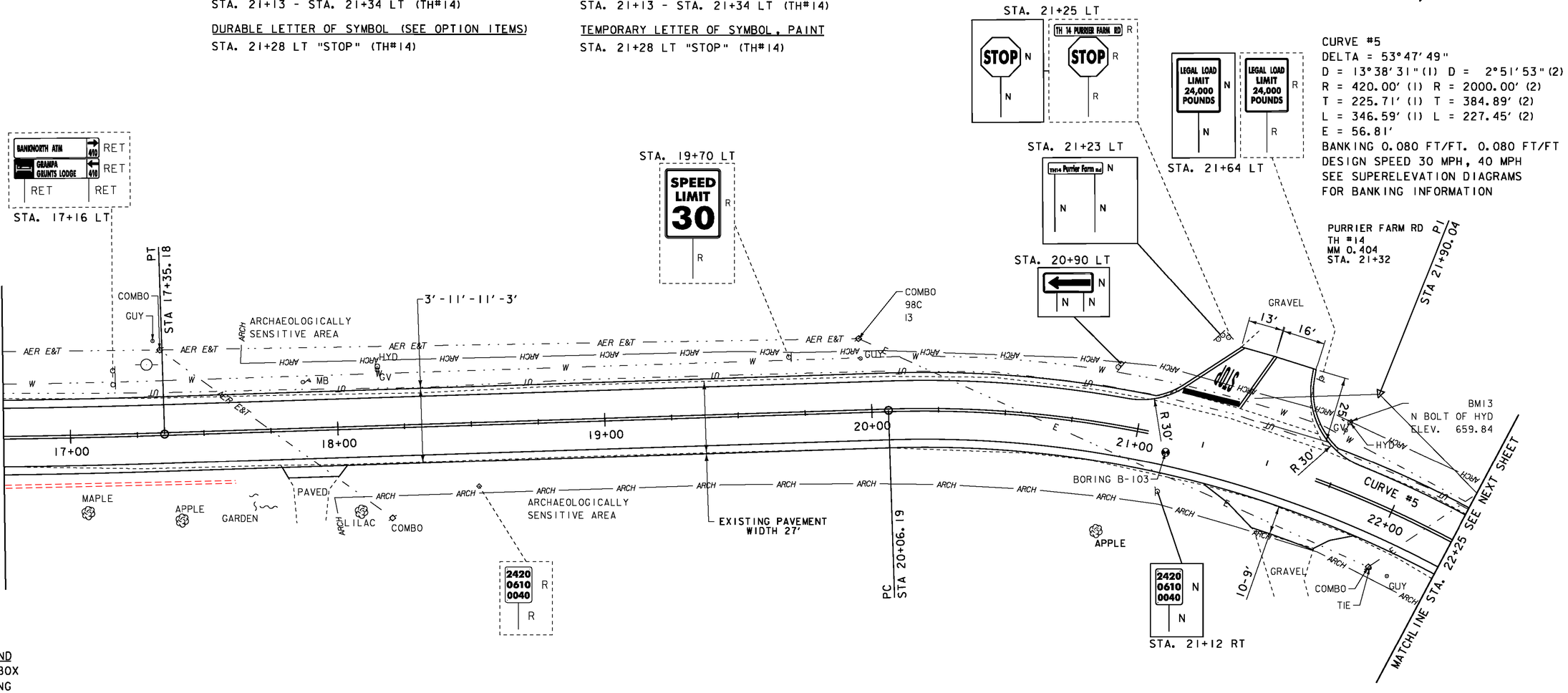
RELOCATE MAILBOX, SINGLE SUPPORT

STA. 17+87 LT

6" UNDERDRAIN PIPE

STA. 16+75 - 17+68 RT




CURVE #5
DELTA = 53°47'49"
D = 13°38'31"(1) D = 2°51'53"(2)
R = 420.00' (1) R = 2000.00' (2)
T = 225.71' (1) T = 384.89' (2)
L = 346.59' (1) L = 227.45' (2)
E = 56.81'
BANKING 0.080 FT/FT. 0.080 FT/FT
DESIGN SPEED 30 MPH, 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND

- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM

NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-20-14

**PROJECT LAYOUT SHEET 4**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_25.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 25 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 22+25 - STA. 27+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 22+25 - STA. 27+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 22+25 - STA. 27+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 22+25 - STA. 27+50 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. ~~26+00~~ 24+26 - STA. ~~27+50~~ 27+46 RT

REMOVING SIGNS
AS SHOWN - 3

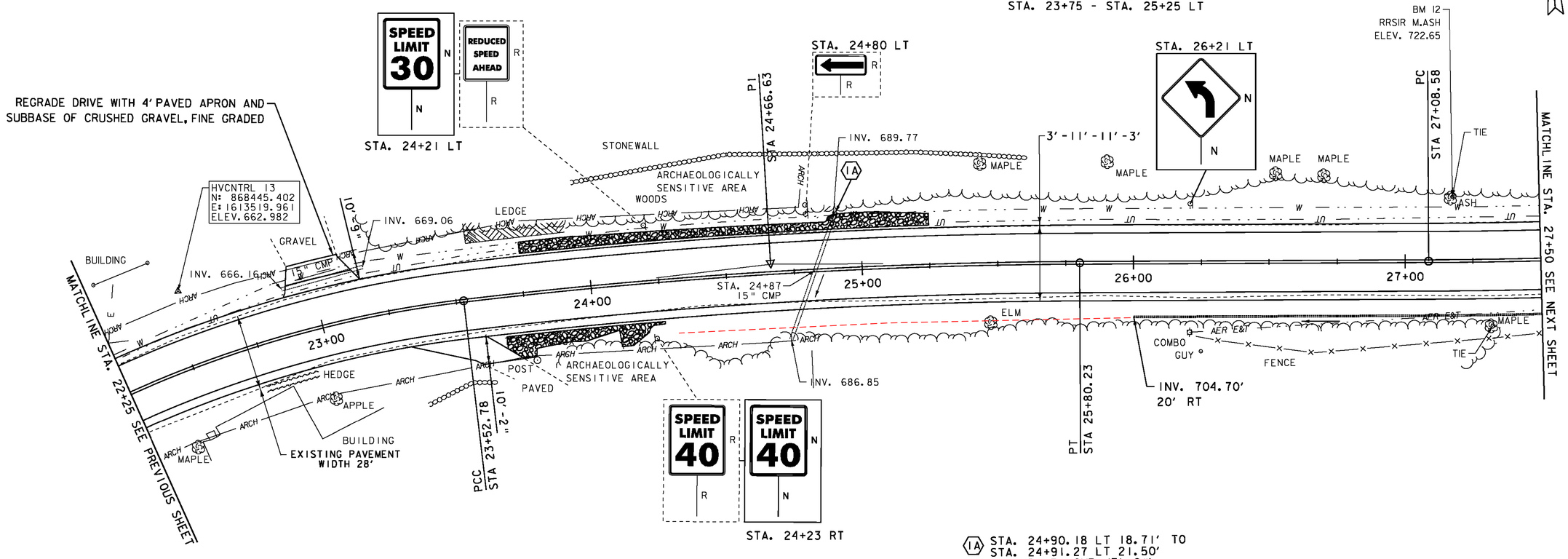
STONE FILL, TYPE I
STA. 23+67 - STA. 24+26 RT
STA. 23+75 - STA. 25+25 LT

GRUBBING MATERIAL
STA. 23+67 - STA. 24+26 RT
STA. 23+75 - STA. 25+25 LT

GEOTEXTILE UNDER STONE FILL
STA. 23+67 - STA. 24+26 RT
STA. 23+75 - STA. 25+25 LT

GEOTEXTILE FOR SILT FENCE
STA. 23+67 - STA. 24+26 RT
STA. 23+75 - STA. 25+25 LT

N
VT STATE PLANE GRID




(IA) STA. 24+90.18 LT 18.71' TO
STA. 24+91.27 LT 21.50'
EXTEND 15" CMP (3'-0")
PROPOSED INV. = 689.97'
EXISTING INV. = 689.77'

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-20-14

**PROJECT LAYOUT SHEET 5**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_26.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 26 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 27+50 - STA. 33+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #5)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 27+50 - STA. 33+25 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #5)

STONE FILL, TYPE I
STA. 28+02 - STA. 28+23 RT

GRUBBING MATERIAL
STA. 28+02 - STA. 28+23 RT

GEOTEXTILE UNDER STONE FILL
STA. 28+02 - STA. 28+23 RT

GEOTEXTILE FOR SILT FENCE
STA. 28+02 - STA. 28+23 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 27+50 - STA. 33+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #5)

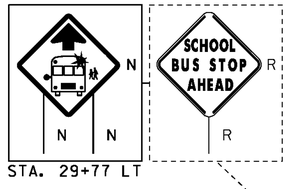
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 27+50 - STA. 33+25 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #5)

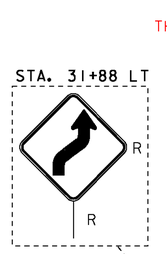
6 INCH UNDERDRAIN PIPE
~~STA. 27+50 - STA. 28+00 RT~~
STA. ~~31+00~~ 30+62 - STA. ~~33+00~~ 32+82 LT

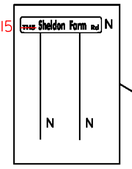
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 27+90 LT

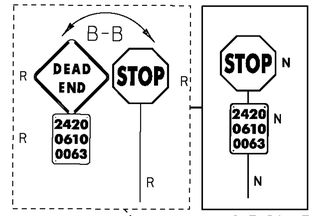
REMOVING SIGNS
AS SHOWN - 6

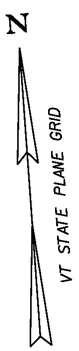


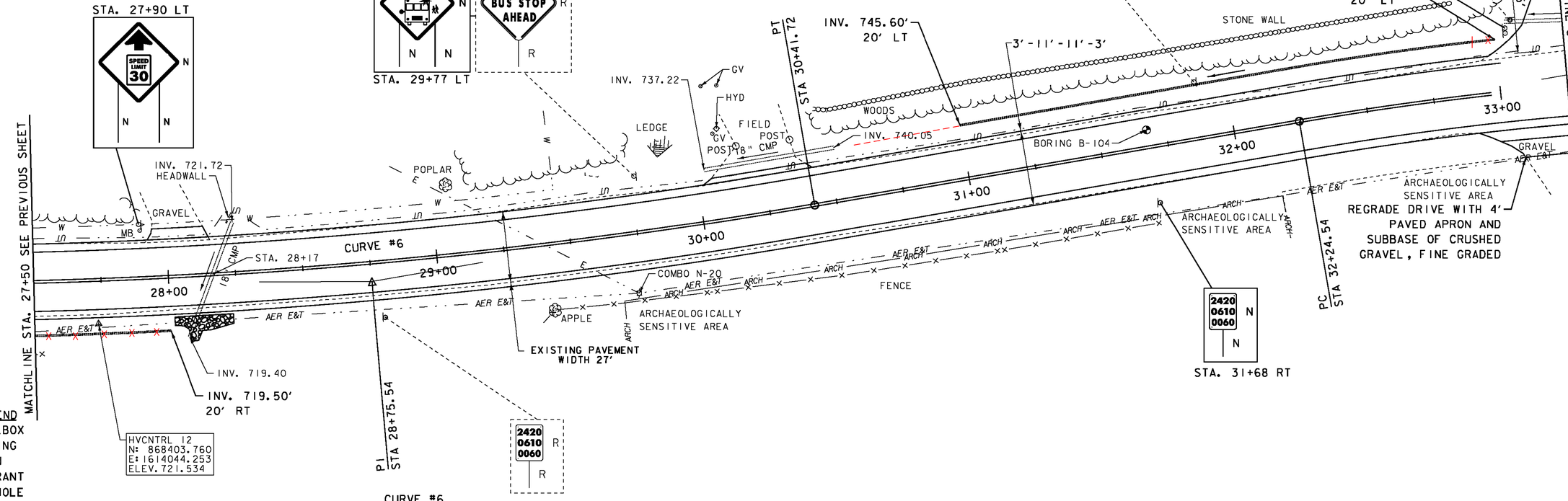




LEGEND
MAILBOX
BORING
SIGN
HYDRANT
MANHOLE
WATER SHUT OFF (WSO)
GAS PIPELINE MARKER
CATCH BASIN / DROP INLET
CURB INLET
TRAFFIC CONTROL BOX
PARKING METER
UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

CURVE #6
DELTA = 9°32'38"
D = 2°51'53"
R = 2000.00'
T = 166.96'
L = 333.14'
E = 6.96'
BANKING 0.036 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 6**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_27.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 27 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 33+25 - STA. 38+75 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH#5)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 33+25 - STA. 38+75 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #5)

GEOTEXTILE UNDER STONE FILL

STA. 35+03 - STA. 36+47 RT
STA. 36+83 - STA. 37+44 RT
STA. 37+54 - STA. 38+75 RT

GEOTEXTILE FOR SILT FENCE

STA. 35+03 - STA. 36+47 RT
STA. 36+83 - STA. 37+44 RT
STA. 37+54 - STA. 38+75 RT

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 33+25 - STA. 38+75 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH#5)

TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 33+25 - STA. 38+75 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #5)

STONE FILL, TYPE I

STA. 35+03 - STA. 36+47 RT
STA. 36+83 - STA. 37+44 RT
STA. 37+54 - STA. 38+75 RT

GRUBBING MATERIAL

STA. 35+03 - STA. 36+47 RT
STA. 36+83 - STA. 37+44 RT
STA. 37+54 - STA. 38+75 RT

6 INCH UNDERDRAIN PIPE

STA. 33+50 - STA. 37+00 LT
STA. ~~38+00~~ 37+98 - STA. 38+75 LT

THINNING AND TRIMMING FOR SIGNS

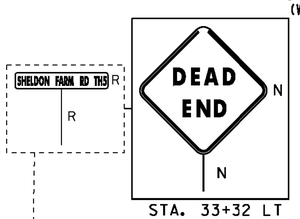
STA. 34+39 LT

REMOVING SIGNS

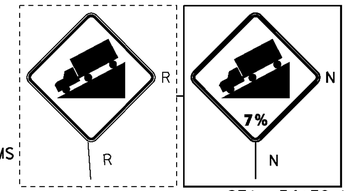
AS SHOWN - 2

N

VT STATE PLANE GRID

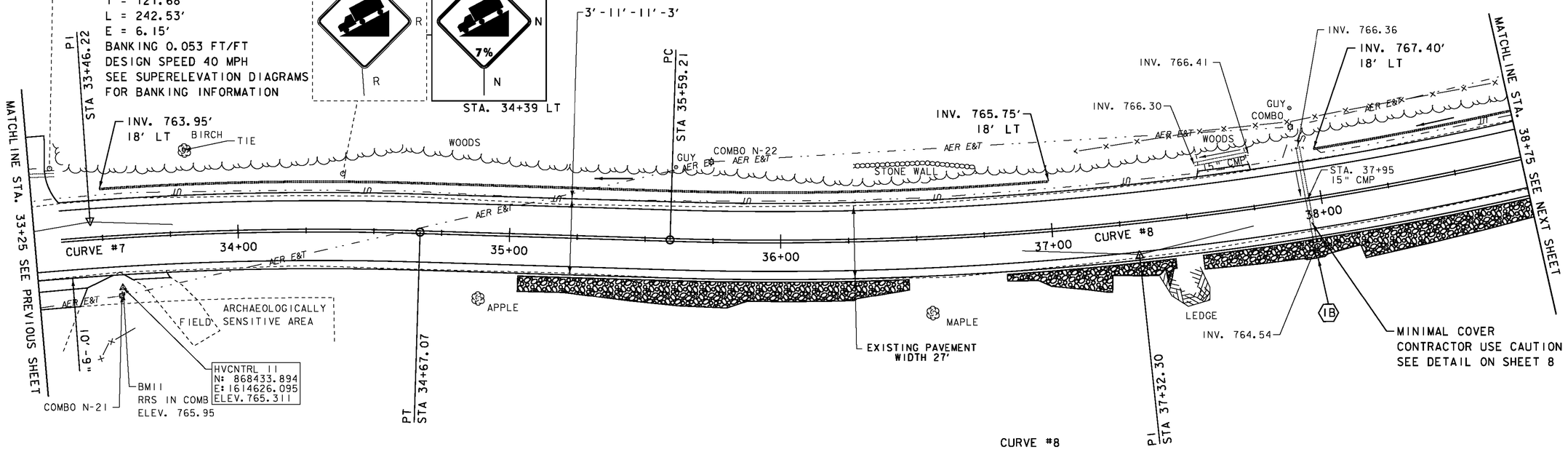



STA. 33+32 LT




STA. 34+39 LT

CURVE #7
DELTA = 11°34'49"
D = 4°46'29"
R = 1200.00'
T = 121.68'
L = 242.53'
E = 6.15'
BANKING 0.053 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION




CURVE #8
DELTA = 15°46'03"
D = 4°35'01"
R = 1250.00'
T = 173.09'
L = 343.99'
E = 11.93'
BANKING 0.052 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

1B STA. 37+95.28 RT 17.48' TO
STA. 37+95.40 RT 21.98'
EXTEND 15" CMP (4'-6")
PROPOSED INV. = 764.32
EXISTING INV. = 764.54

LEGEND

- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-20-14

**PROJECT LAYOUT SHEET 7**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_28.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 28 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 38+75 - STA. 44+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 38+75 - STA. 44+50 (SOLID LT & RT)

STONE FILL, TYPE I

STA. 38+75 - STA. 40+10 RT
STA. 41+60 - STA. 43+20 RT
STA. 41+82 - STA. 42+47 LT

GRUBBING MATERIAL

STA. 38+75 - STA. 40+10 RT
STA. 41+60 - STA. 43+20 RT
STA. 41+82 - STA. 42+47 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 38+75 - STA. 44+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 38+75 - STA. 44+50 (SOLID LT & RT)

GEOTEXTILE UNDER STONE FILL

STA. 38+75 - STA. 40+10 RT
STA. 41+60 - STA. 43+20 RT
STA. 41+82 - STA. 42+47 LT

GEOTEXTILE FOR SILT FENCE

STA. 38+75 - STA. 40+10 RT
STA. 41+60 - STA. 43+20 RT
STA. 41+82 - STA. 42+47 LT

6 INCH UNDERDRAIN PIPE

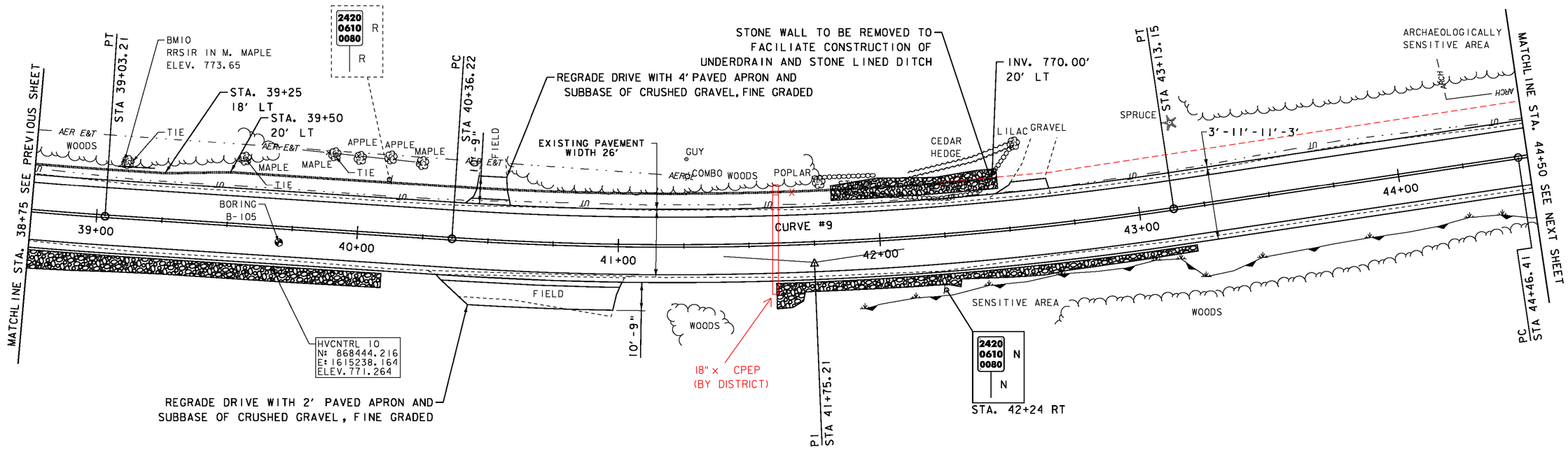
STA. 38+75 - STA. ~~42+45~~ LT 41+58
STA. 41+65 - STA. 44+50 LT

REMOVING SIGNS
AS SHOWN - 1

BARRIER FENCE
STA. 41+93 - STA. 44+50 RT

EROSION LOG
STA. 41+93 - STA. 44+50 RT

N
VT STATE PLANE GRID




## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 3. | STA. 41+93 - STA. 44+50 | RT | - |

CURVE #9
DELTA = 12°12'20"
D = 4°24'27"
R = 1300.00'
T = 138.99'
L = 276.93'
E = 7.41'
BANKING 0.050 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
MAILBOX
BORING
SIGN
HYDRANT
MANHOLE
WATER SHUT OFF (WSO)
GAS PIPELINE MARKER
CATCH BASIN / DROP INLET
CURB INLET
TRAFFIC CONTROL BOX
PARKING METER
UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-20-14

**PROJECT LAYOUT SHEET 8**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_29.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 29 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 44+50 - STA. 49+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 44+50 - STA. 49+75 (SOLID LT & RT)

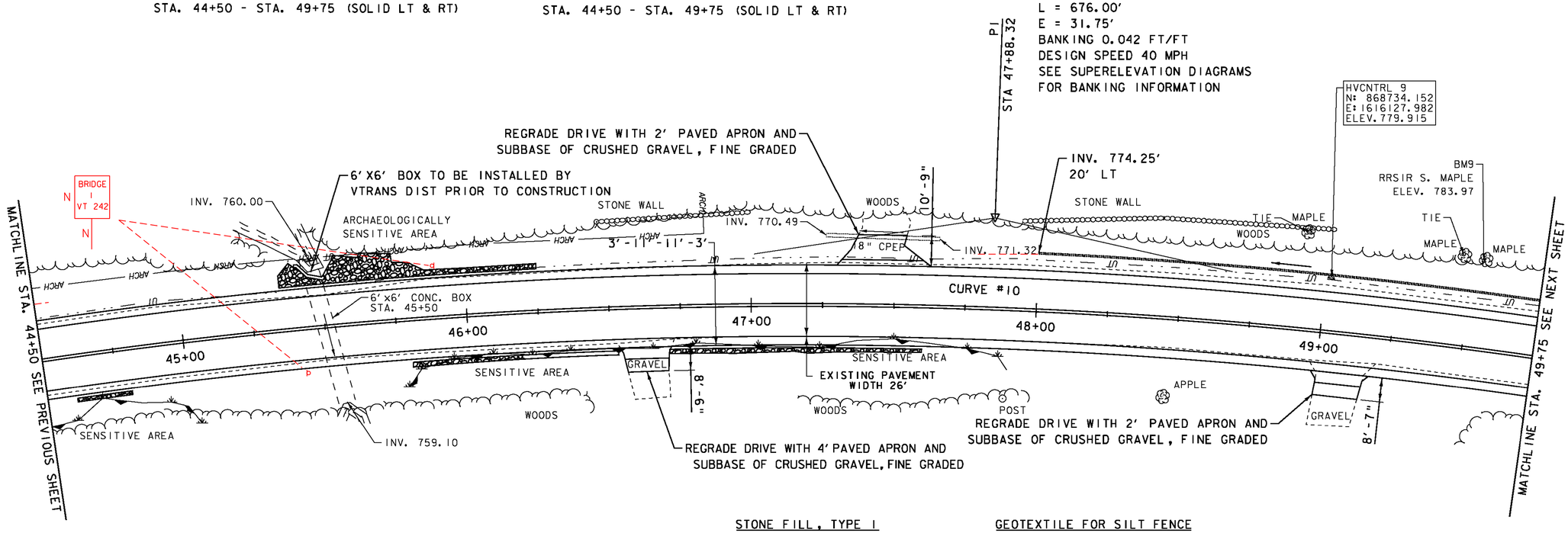
TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 44+50 - STA. 49+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 44+50 - STA. 49+75 (SOLID LT & RT)

CURVE #10
DELTA = 21°13'22"
D = 3°08'22"
R = 1825.00'
T = 341.92'
L = 676.00'
E = 31.75'
BANKING 0.042 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

6 INCH UNDERDRAIN PIPE
STA. ~~48+00~~ 47+75 - STA. 49+75 LT
STA. 44+50 - STA. 44+69

N
VT STATE PLANE GRID




## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 3. | STA. 44+50 - STA. 45+03 | RT | - |
| 4. | STA. 45+78 - STA. 47+90 | RT | - |

BARRIER FENCE

STA. 44+50 - STA. 45+03 RT
STA. 44+78 - STA. 47+90 RT

EROSION LOG

STA. 44+50 - STA. 45+03 RT
STA. 44+78 - STA. 47+90 RT

STONE FILL, TYPE I

STA. 44+60 - STA. 44+80 RT
STA. 45+35 - STA. 46+25 LT
STA. 45+80 - STA. 46+53 RT
STA. 46+71 - STA. 47+60 RT

GRUBBING MATERIAL

STA. 44+60 - STA. 44+80 RT
STA. 45+35 - STA. 46+25 LT
STA. 45+80 - STA. 46+53 RT
STA. 46+71 - STA. 47+60 RT

GEOTEXTILE FOR SILT FENCE

STA. 44+60 - STA. 44+80 RT
STA. 45+35 - STA. 46+25 LT
STA. 45+80 - STA. 46+53 RT
STA. 46+71 - STA. 47+60 RT

GEOTEXTILE UNDER STONE FILL

STA. 44+60 - STA. 44+80 RT
STA. 45+35 - STA. 46+25 LT
STA. 45+80 - STA. 46+53 RT
STA. 46+71 - STA. 47+60 RT

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

LEGEND

MAILBOX, BORING, SIGN, HYDRANT, MANHOLE, WATER SHUT OFF (WSO), GAS PIPELINE MARKER, CATCH BASIN / DROP INLET, CURB INLET, TRAFFIC CONTROL BOX, PARKING METER, UTILITY POLE

SCALE IN FEET
20 0 20

DATUM
NAVD 88
NAD 83

SEH
2-20-14

**PROJECT LAYOUT SHEET 9**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_30.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 30 OF 178

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

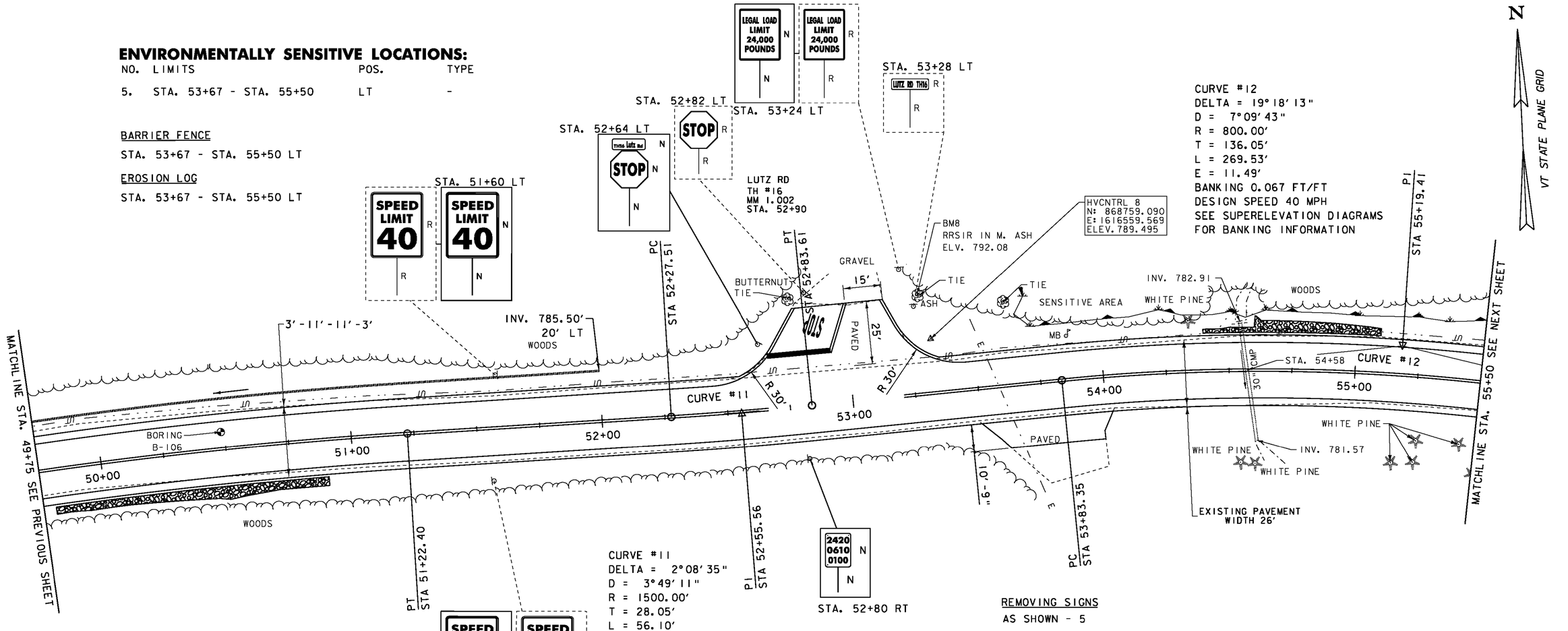
| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 5. | STA. 53+67 - STA. 55+50 | LT | - |

BARRIER FENCE

STA. 53+67 - STA. 55+50 LT

EROSION LOG

STA. 53+67 - STA. 55+50 LT




CURVE #11
DELTA = 2°08'35"
D = 3°49'11"
R = 1500.00'
T = 28.05'
L = 56.10'
E = 0.26'
BANKING 0.020 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

### SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

### LEGEND

MAILBOX
BORING
SIGN
HYDRANT
MANHOLE
WATER SHUT OFF (WSO)
GAS PIPELINE MARKER
CATCH BASIN / DROP INLET
CURB INLET
TRAFFIC CONTROL BOX
PARKING METER
UTILITY POLE

DATUM
NAVD 88
NAD 83

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 49+75 - STA. 55+50 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #16)
STA. 52+90 (EDGELINES TH #16)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 49+75 - STA. 55+50 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #16)
STA. 52+90 LT (CENTERLINE TH #16)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
STA. 52+68 - STA. 52+93 LT (TH#16)

DURABLE LETTER OF SYMBOL (SEE OPTION ITEMS)
STA. 52+88 LT "STOP" (TH#16)

6 INCH UNDERDRAIN PIPE
STA. 49+75 - STA. ~~52+00~~ 51+98 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 49+75 - STA. 55+50 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #16)
STA. 52+90 (EDGELINES TH #16)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 49+75 - STA. 55+50 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #16)
STA. 52+90 LT (CENTERLINE TH #16)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 52+68 - STA. 52+93 LT (TH#16)

TEMPORARY LETTER OF SYMBOL, PAINT
STA. 52+88 LT "STOP" (TH#16)

REMOVING SIGNS
AS SHOWN - 5

THINNING AND TRIMMING FOR SIGNS
STA. 51+56 RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 53+86 LT

STONE FILL, TYPE I
STA. 49+80 - STA. 50+90 RT
STA. 54+40 - STA. 55+10 LT

GRUBBING MATERIAL
STA. 49+80 - STA. 50+90 RT
STA. 54+40 - STA. 55+10 LT

GEOTEXTILE UNDER STONE FILL
STA. 49+80 - STA. 50+90 RT
STA. 54+40 - STA. 55+10 LT

GEOTEXTILE FOR SILT FENCE
STA. 49+80 - STA. 50+90 RT
STA. 54+40 - STA. 55+10 LT

SEH
2-20-14

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 10**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_31.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 31 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 55+50 - STA. 61+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 55+50 - STA. 61+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 55+50 - STA. 61+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 55+50 - STA. 61+50 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. ~~56+50~~ 56+13 - STA. ~~59+00~~ 58+73 LT
STA. ~~61+00~~ 60+72 - STA. 61+50 LT

REMOVING SIGNS
AS SHOWN - 2

BARRIER FENCE
STA. 55+50 - STA. 55+61 LT

EROSION LOG
STA. 55+50 - STA. 55+61 LT

STONE FILL, TYPE I
STA. 59+50 - STA. 59+75 RT
STA. 60+20 - STA. 60+70 RT
STA. 60+90 - STA. 61+45 RT

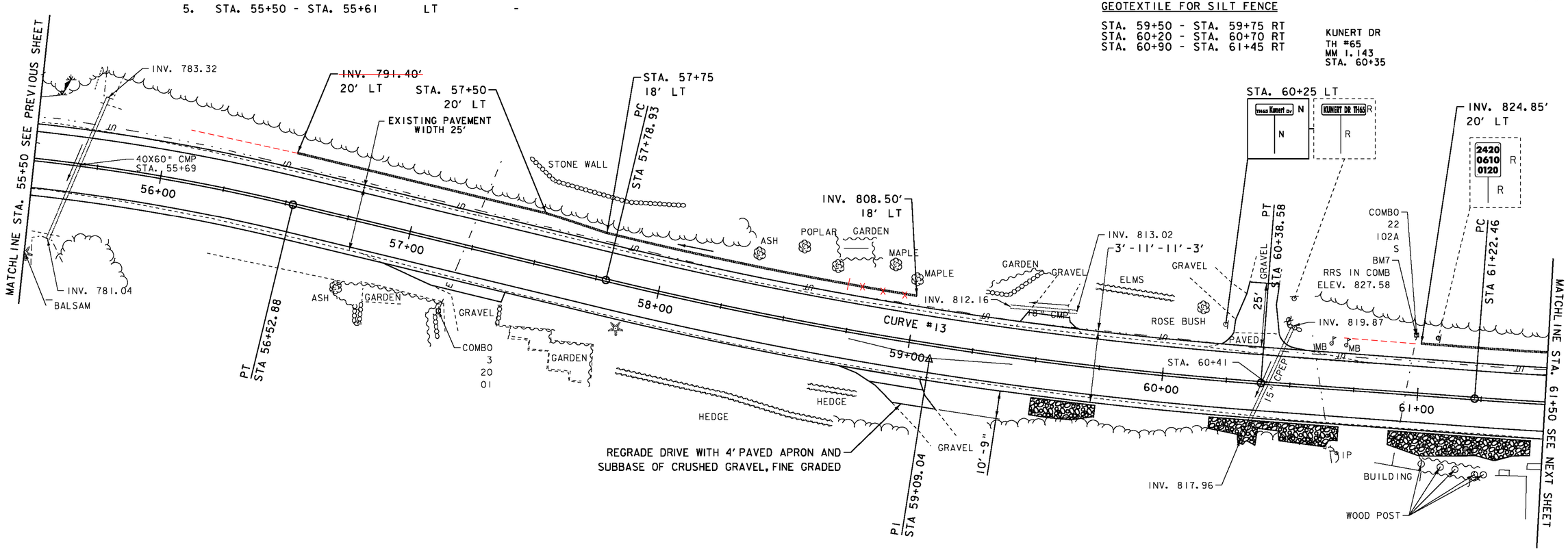
GRUBBING MATERIAL
STA. 59+50 - STA. 59+75 RT
STA. 60+20 - STA. 60+70 RT
STA. 60+90 - STA. 61+45 RT

GEOTEXTILE UNDER STONE FILL
STA. 59+50 - STA. 59+75 RT
STA. 60+20 - STA. 60+70 RT
STA. 60+90 - STA. 61+45 RT

GEOTEXTILE FOR SILT FENCE
STA. 59+50 - STA. 59+75 RT
STA. 60+20 - STA. 60+70 RT
STA. 60+90 - STA. 61+45 RT

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 5. | STA. 55+50 - STA. 55+61 | LT | - |




KUNERT DR
TH #65
MM 1.143
STA. 60+35

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

DATUM
NAVD 88
NAD 83

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

CURVE #13
DELTA = 9°17'52"
D = 3°34'52"
R = 1600.00'
T = 130.11'
L = 259.65'
E = 5.28'
BANKING 0.043 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS FOR BANKING INFORMATION

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 11**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_32.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 32 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 61+50 - STA. 67+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 61+50 - STA. 67+50 (SOLID LT & RT)

THINNING AND TRIMMING FOR SIGNS
STA. 66+63 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 61+50 - STA. 67+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 61+50 - STA. 67+50 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 61+50 - STA. ~~66+00~~ LT 66+12
STA. ~~67+00~~ - STA. 67+50 LT
66+63

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 64+35 LT

REMOVING SIGNS
AS SHOWN - 2

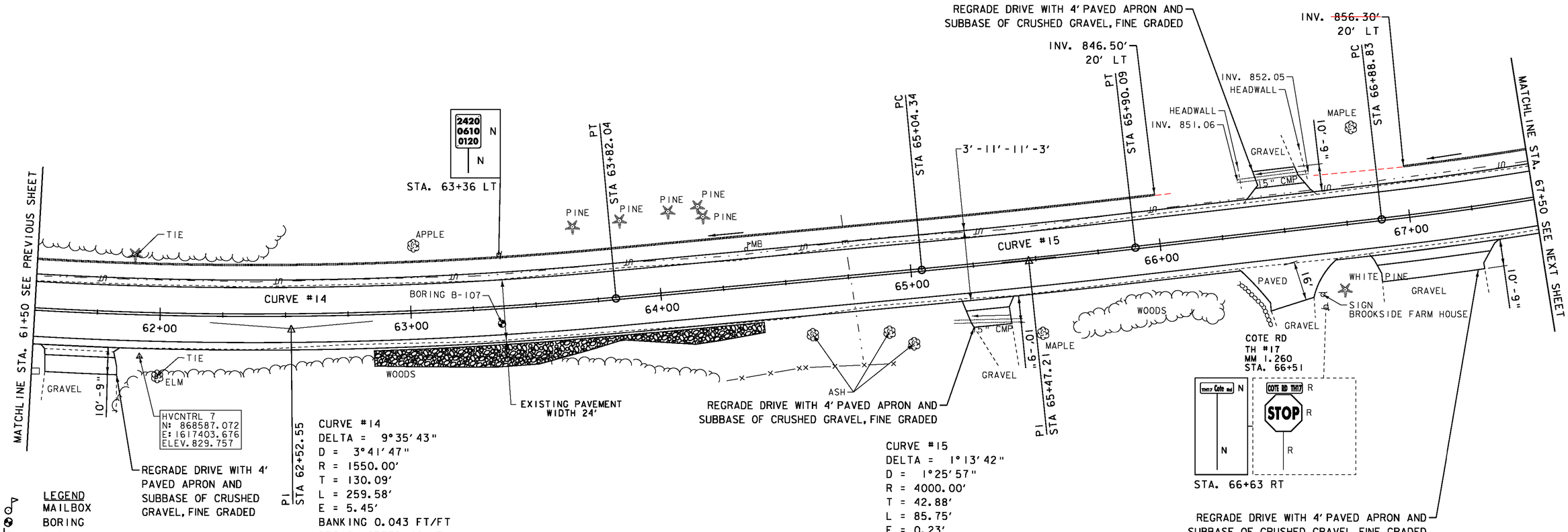
STONE FILL, TYPE I
STA. 62+85 - STA. 64+40 RT

GRUBBING MATERIAL
STA. 62+85 - STA. 64+40 RT

GEOTEXTILE UNDER STONE FILL
STA. 62+85 - STA. 64+40 RT

GEOTEXTILE FOR SILT FENCE
STA. 62+85 - STA. 64+40 RT

N
VT STATE PLANE GRID




CURVE #14
DELTA = 9°35'43"
D = 3°41'47"
R = 1550.00'
T = 130.09'
L = 259.58'
E = 5.45'
BANKING 0.043 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

CURVE #15
DELTA = 1°13'42"
D = 1°25'57"
R = 4000.00'
T = 42.88'
L = 85.75'
E = 0.23'
BANKING 0.020 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
MAILBOX
BORING
SIGN
HYDRANT
MANHOLE
WATER SHUT OFF (WSO)
GAS PIPELINE MARKER
CATCH BASIN / DROP INLET
CURB INLET
TRAFFIC CONTROL BOX
PARKING METER
UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-28-14

**PROJECT LAYOUT SHEET 12**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_33.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 33 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

BARRIER FENCE
STA. 72+04 - STA. 73+75 LT

EROSION LOG
STA. 72+04 - STA. 73+75 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 67+50 - STA. 68+50 LT
STA. 69+50 - STA. ~~71+00~~ 70+93 LT

REMOVING SIGNS
AS SHOWN - 1

STONE FILL, TYPE I
STA. 67+85 - STA. 69+40 RT

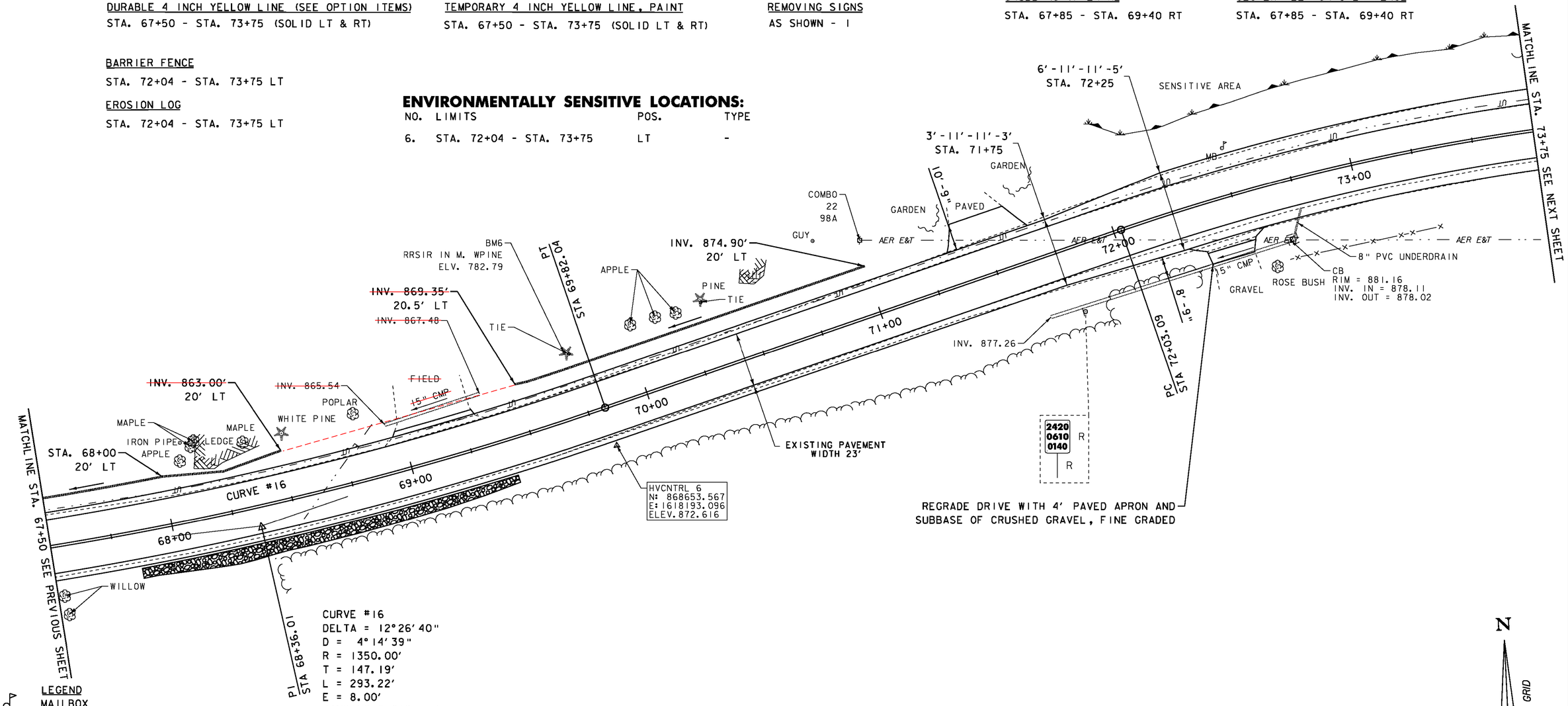
GRUBBING MATERIAL
STA. 67+85 - STA. 69+40 RT

GEOTEXTILE UNDER STONE FILL
STA. 67+85 - STA. 69+40 RT

GEOTEXTILE FOR SILT FENCE
STA. 67+85 - STA. 69+40 RT

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 6. | STA. 72+04 - STA. 73+75 | LT | - |




CURVE #16
DELTA = 12°26'40"
D = 4°14'39"
R = 1350.00'
T = 147.19'
L = 293.22'
E = 8.00'
BANKING 0.049 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

N
VT STATE PLANE GRID

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 13**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_34.i
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 34 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

BARRIER FENCE
STA. 72+04 - STA. 73+75 LT

EROSION LOG
STA. 72+04 - STA. 73+75 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 67+50 - STA. 73+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 67+50 - STA. 68+50 LT
STA. 69+50 - STA. 71+00 LT

REMOVING SIGNS
AS SHOWN - 1

STONE FILL, TYPE I
STA. 67+85 - STA. 69+40 RT

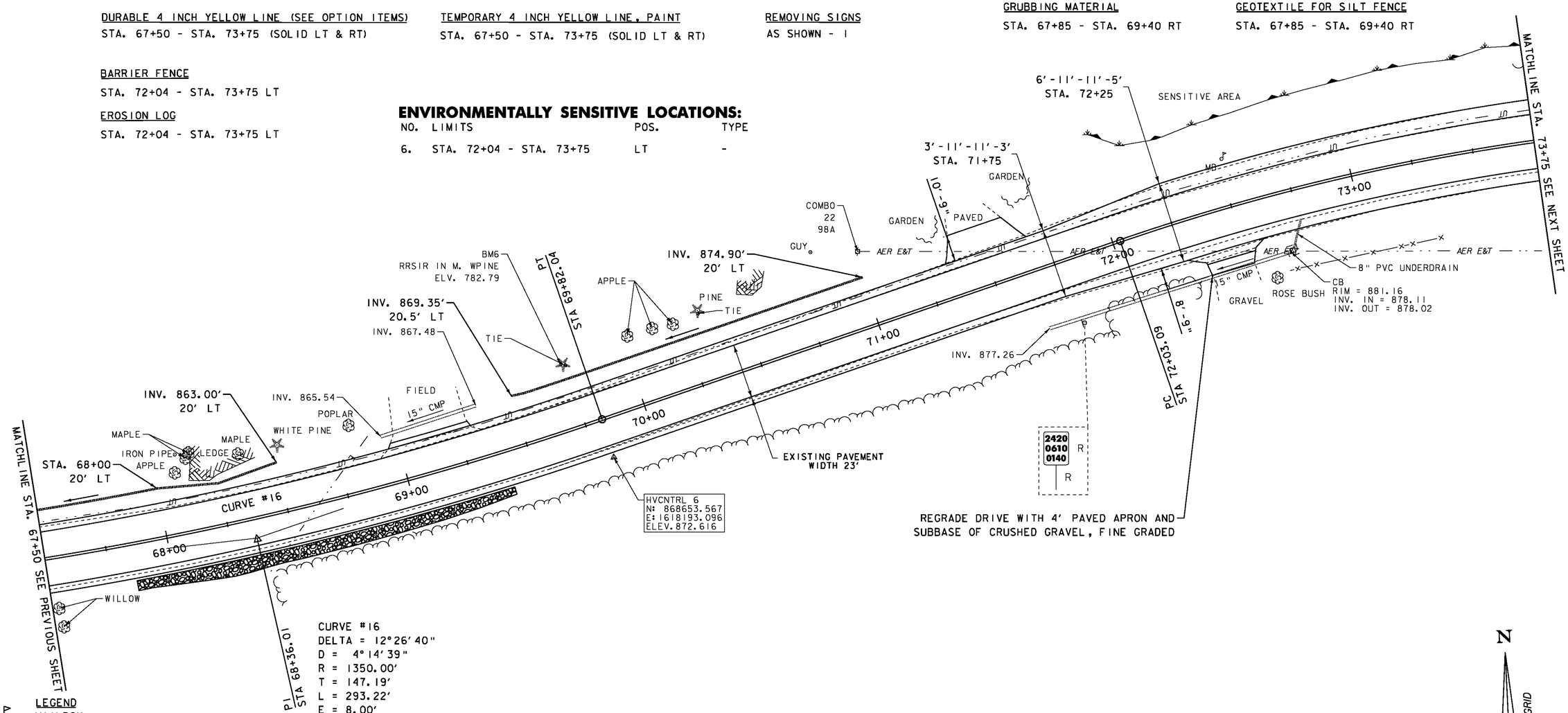
GRUBBING MATERIAL
STA. 67+85 - STA. 69+40 RT

GEOTEXTILE UNDER STONE FILL
STA. 67+85 - STA. 69+40 RT

GEOTEXTILE FOR SILT FENCE
STA. 67+85 - STA. 69+40 RT

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 6. | STA. 72+04 - STA. 73+75 | LT | - |




CURVE #16
DELTA = 12°26'40"
D = 4°14'39"
R = 1350.00'
T = 147.19'
L = 293.22'
E = 8.00'
BANKING 0.049 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

N
VT STATE PLANE GRID

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 13**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_34.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 34 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 79+25 - STA. 84+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 79+25 - STA. 84+75 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 83+10 - STA. 84+75 LT
STA. 82+15 - STA. 84+35 RT

~~STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS~~
~~STA. 82+15 - STA. 84+35 RT~~

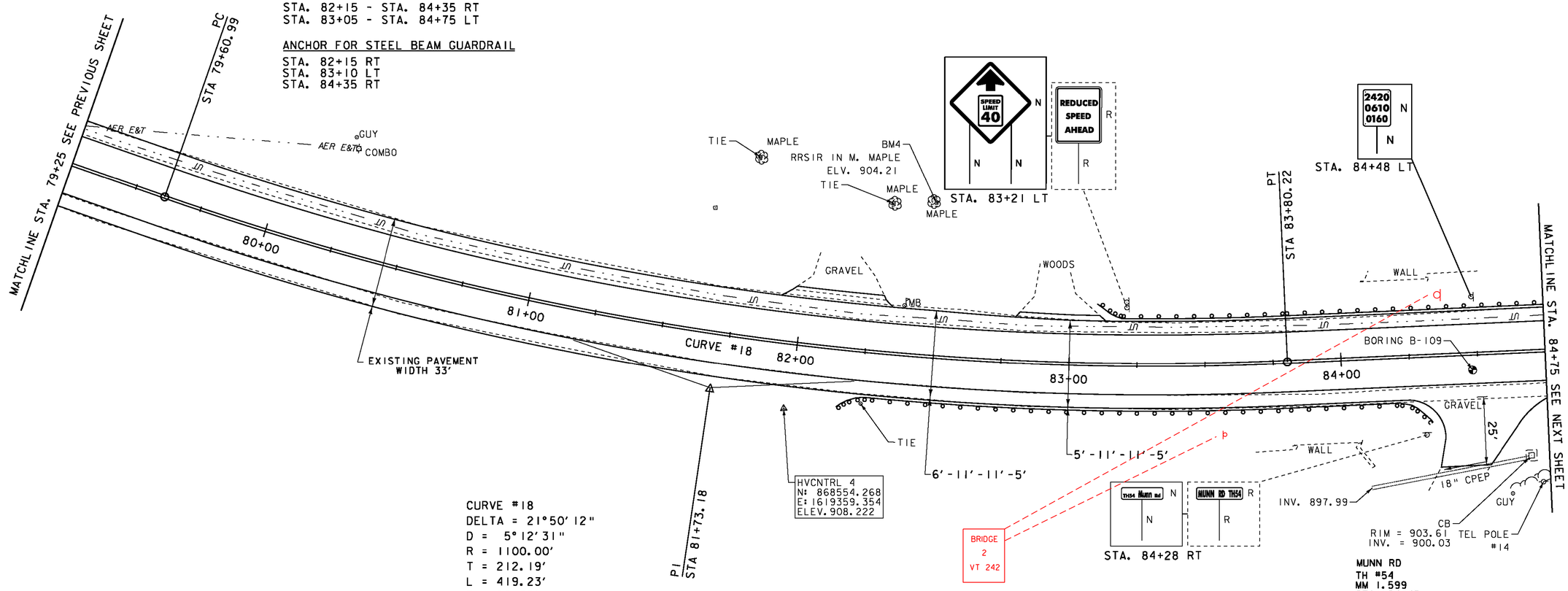
REMOVAL & DISPOSAL OF GUARDRAIL
STA. 82+15 - STA. 84+35 RT
STA. 83+05 - STA. 84+75 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 82+15 RT
STA. 83+10 LT
STA. 84+35 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 79+25 - STA. 84+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 79+25 - STA. 84+75 (SOLID LT & RT)

REMOVING SIGNS
AS SHOWN - 2




CURVE #18
DELTA = 21°50'12"
D = 5°12'31"
R = 1100.00'
T = 212.19'
L = 419.23'
E = 20.28'
DESIGN SPEED 50 MPH
EXISTING SLOPES TO BE MAINTAINED
THROUGH LEVEL/OVERLAY SECTION

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

SCALE IN FEET
20 0 20

SEH
2-25-14

DATUM
NAVD 88
NAD 83

LEGEND
MAILBOX, BORING, SIGN, HYDRANT
MANHOLE, WATER SHUT OFF (WSO), GAS PIPELINE MARKER, CATCH BASIN / DROP INLET
CURB INLET, TRAFFIC CONTROL BOX, PARKING METER, UTILITY POLE

**PROJECT LAYOUT SHEET 15**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_36.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 36 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 84+75 - STA. ~~86+30 LT~~ 89+10 LT

~~STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS~~
~~STA. 86+30 - STA. 89+10 LT~~

REMOVAL & DISPOSAL OF GUARDRAIL
STA. 84+75 - STA. 89+06 LT

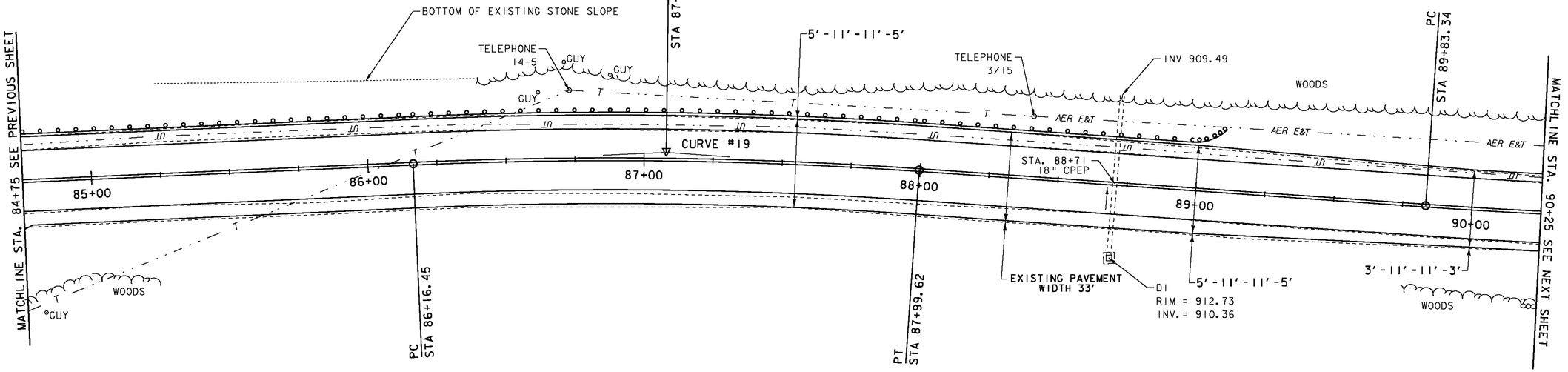
ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 89+10 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

CURVE #19
DELTA = 6°33'33"
D = 3°34'52"
R = 1600.00'
T = 91.68'
L = 183.17'
E = 2.62'
DESIGN SPEED 50 MPH
EXISTING SLOPES TO BE MAINTAINED
THROUGH LEVEL/OVERLAY SECTION

N
VT STATE PLANE GRID




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 16**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_37.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 37 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 84+75 - STA. 86+30 LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 86+30 - STA. 89+10 LT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. 84+75 - STA. 89+06 LT

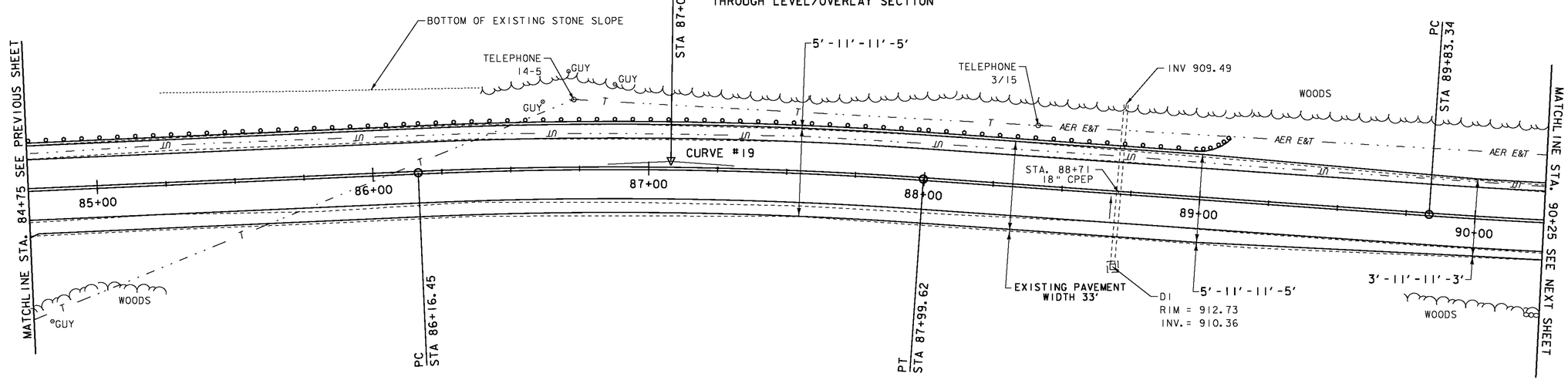
ANCHOR FOR STEEL BEAM GUARDRAIL
STA. 89+10 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 84+75 - STA. 90+25 (SOLID LT & RT)

N
VT STATE PLANE GRID

CURVE #19
DELTA = 6°33'33"
D = 3°34'52"
R = 1600.00'
T = 91.68'
L = 183.17'
E = 2.62'
DESIGN SPEED 50 MPH
EXISTING SLOPES TO BE MAINTAINED
THROUGH LEVEL/OVERLAY SECTION




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 16**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: pl0C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: pl0C190_37.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 37 OF 178

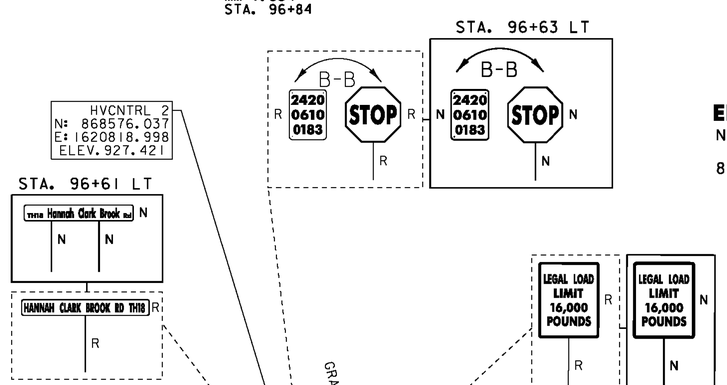
HANNAH CLARK BROOK RD
TH #18
MM 1.834
STA. 96+84

STA. 96+63 LT

STA. 96+61 LT

STA. 96+96 LT

HVCNTRL 2
N: 868576.037
E: 1620818.998
ELEV. 927.421







N

VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 8. | STA. 101+25 - STA. 101+75 | LT | - |

6 INCH UNDERDRAIN PIPE
STA. ~~100+50~~ 100+20 - STA. 101+75 LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 98+09 LT

REMOVING SIGNS
AS SHOWN - 4

STONE FILL, TYPE I
STA. 99+80 - STA. 100+25 RT
STA. 99+90 - STA. 100+10 LT

GRUBBING MATERIAL
STA. 99+80 - STA. 100+25 RT
STA. 99+90 - STA. 100+10 LT

GEOTEXTILE UNDER STONE FILL
STA. 99+80 - STA. 100+25 RT
STA. 99+90 - STA. 100+10 LT

GEOTEXTILE FOR SILT FENCE
STA. 99+80 - STA. 100+25 RT
STA. 99+90 - STA. 100+10 LT

CURVE #21
DELTA = 2°46'18"
D = 0°57'18"
R = 6000.00'
T = 145.15'
L = 290.24'
E = 1.76'
BANKING REVERSE CROWN
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS FOR BANKING INFORMATION

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 96+25 - STA. 101+75 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #18)
STA. 96+84 LT (EDGELINES TH #18)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 96+25 - STA. 101+75 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #18)
STA. 96+84 LT (CENTERLINE TH #18)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
STA. 96+63 - STA. 96+83 LT (TH#18)

DURABLE LETTER OF SYMBOL (SEE OPTION ITEMS)
STA. 96+75 LT "STOP" (TH#18)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 96+25 - STA. 101+75 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #18)
STA. 96+84 LT (EDGELINES TH #18)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 96+25 - STA. 101+75 (SOLID LT & RT)
(WITH CENTERLINE BREAKS AT TH #18)
STA. 96+84 LT (CENTERLINE TH #18)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 96+63 - STA. 96+83 LT (TH#18)

TEMPORARY LETTER OF SYMBOL, PAINT
STA. 96+75 LT "STOP" (TH#18)

BARRIER FENCE
STA. 101+25 - STA. 101+75 LT

EROSION LOG
STA. 101+25 - STA. 101+75 LT

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-20-14

**PROJECT LAYOUT SHEET 18**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_39.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 39 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 101+75 - STA. 107+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 101+75 - STA. 107+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 101+75 - STA. 107+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 101+75 - STA. 107+25 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 101+75 - STA. ~~102+00~~ 103+40 LT

STONE FILL, TYPE I
STA. 103+00 - STA. 103+39 LT
STA. 103+75 - STA. 103+90 RT

GRUBBING MATERIAL
STA. 103+00 - STA. 103+39 LT
STA. 103+75 - STA. 103+90 RT

GEOTEXTILE UNDER STONE FILL
STA. 103+00 - STA. 103+39 LT
STA. 103+75 - STA. 103+90 RT

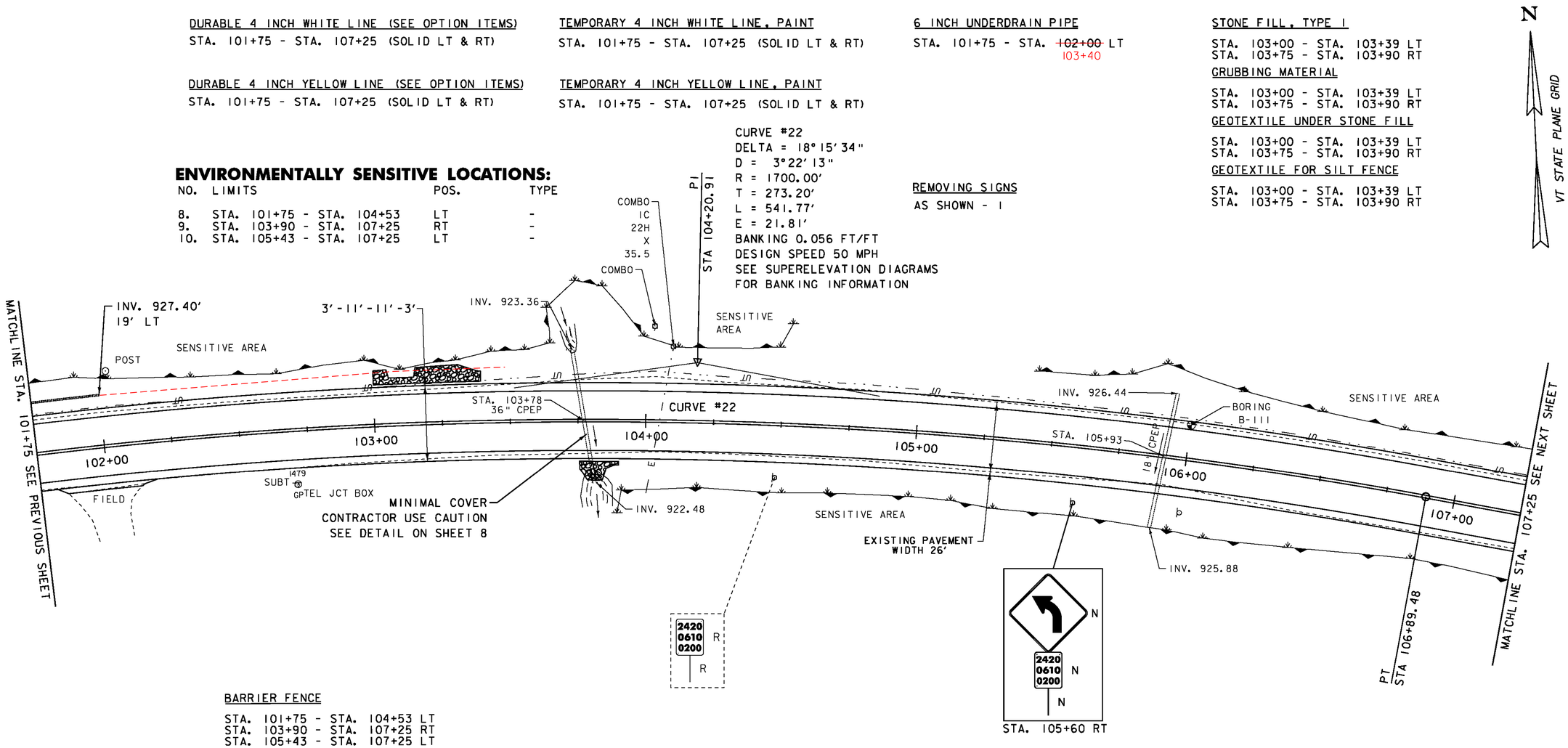
GEOTEXTILE FOR SILT FENCE
STA. 103+00 - STA. 103+39 LT
STA. 103+75 - STA. 103+90 RT

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 8. | STA. 101+75 - STA. 104+53 | LT | - |
| 9. | STA. 103+90 - STA. 107+25 | RT | - |
| 10. | STA. 105+43 - STA. 107+25 | LT | - |

CURVE #22
DELTA = 18° 15' 34"
D = 3° 22' 13"
R = 1700.00'
T = 273.20'
L = 541.77'
E = 21.81'
BANKING 0.056 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

REMOVING SIGNS
AS SHOWN - 1




BARRIER FENCE

STA. 101+75 - STA. 104+53 LT
STA. 103+90 - STA. 107+25 RT
STA. 105+43 - STA. 107+25 LT

EROSION LOG

STA. 101+75 - STA. 104+53 LT
STA. 103+90 - STA. 107+25 RT
STA. 105+43 - STA. 107+25 LT

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 19**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_40.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 40 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 107+25 - STA. 112+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 107+25 - STA. 112+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 107+25 - STA. 112+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 107+25 - STA. 112+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. ~~108+50~~ 108+20 - STA. ~~111+00~~ 110+90 LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 110+47 LT

BARRIER FENCE
STA. 107+25 - STA. 107+37 RT
STA. 107+25 - STA. 107+85 LT
STA. 107+54 - STA. 108+19 RT
STA. 111+40 - STA. 112+54 RT

EROSION LOG
STA. 107+25 - STA. 107+37 RT
STA. 107+25 - STA. 107+85 LT
STA. 107+54 - STA. 108+19 RT
STA. 111+40 - STA. 112+54 RT

STONE FILL, TYPE I
STA. 110+75 - STA. 112+45 RT

GRUBBING MATERIAL
STA. 110+75 - STA. 112+45 RT

GEOTEXTILE UNDER STONE FILL
STA. 110+75 - STA. 112+45 RT

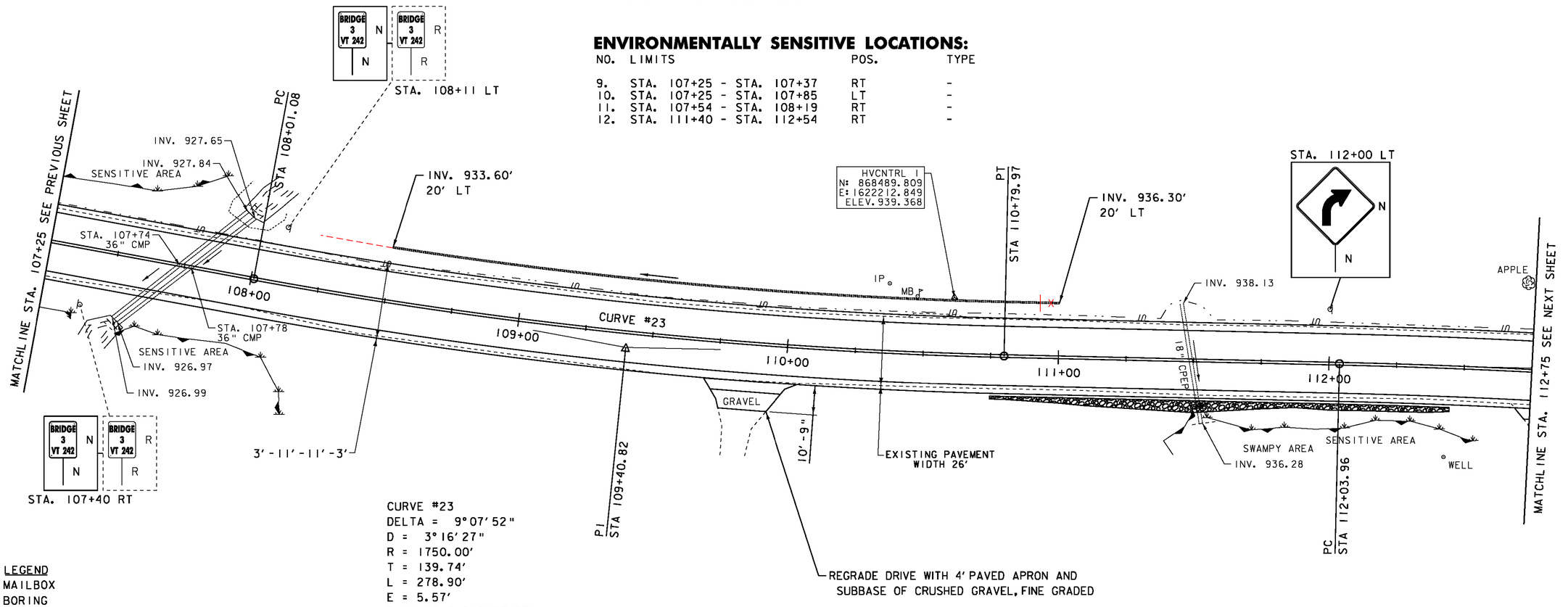
GEOTEXTILE FOR SILT FENCE
STA. 110+75 - STA. 112+45 RT

REMOVING SIGNS
AS SHOWN - 2

N
VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 9. | STA. 107+25 - STA. 107+37 | RT | - |
| 10. | STA. 107+25 - STA. 107+85 | LT | - |
| 11. | STA. 107+54 - STA. 108+19 | RT | - |
| 12. | STA. 111+40 - STA. 112+54 | RT | - |




CURVE #23
DELTA = 9°07'52"
D = 3°16'27"
R = 1750.00'
T = 139.74'
L = 278.90'
E = 5.57'
BANKING 0.040 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-20-14

**PROJECT LAYOUT SHEET 20**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_41.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 41 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 112+75 - STA. 118+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 112+75 - STA. 118+50 (SOLID LT & RT)

STONE FILL, TYPE I

STA. 114+35 - STA. 114+45 RT
STA. 114+40 - STA. 115+25 LT
STA. 118+27 - STA. 118+40 RT

GRUBBING MATERIAL

STA. 114+35 - STA. 114+45 RT
STA. 114+40 - STA. 115+25 LT
STA. 118+27 - STA. 118+40 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 112+75 - STA. 118+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 112+75 - STA. 118+50 (SOLID LT & RT)

CURVE #24
DELTA = 22°20'23"
D = 2°18'04"(1) D = 4°46'29"(2)
R = 2490.00' (1) R = 1200.00' (2)
T = 330.76' (1) T = 248.00' (2)
L = 201.02' (1) L = 371.00' (2)
E = 21.87'
BANKING 0.041 FT/FT, 0.070 FT/FT
DESIGN SPEED 40 MPH, 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

6 INCH UNDERDRAIN PIPE
STA. ~~115+00~~ 115+52 - STA. ~~117+00~~ 117+82 LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 117+48 LT

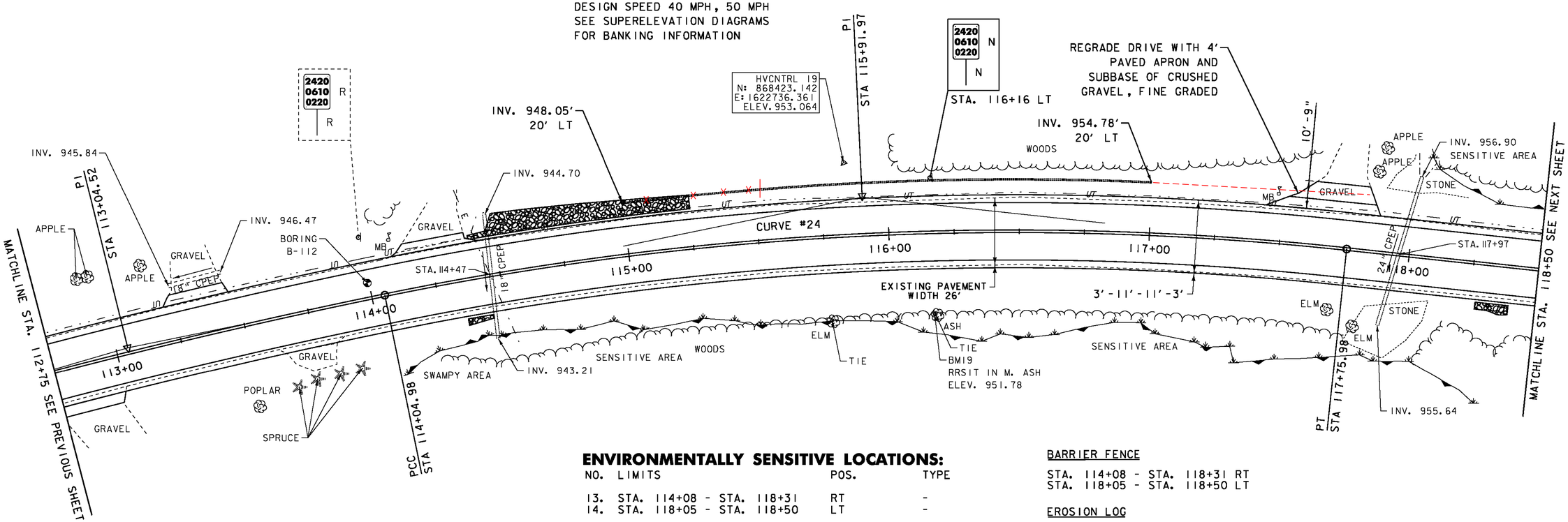
GEOTEXTILE UNDER STONE FILL

STA. 114+35 - STA. 114+45 RT
STA. 114+40 - STA. 115+25 LT
STA. 118+27 - STA. 118+40 RT

GEOTEXTILE FOR SILT FENCE

STA. 114+35 - STA. 114+45 RT
STA. 114+40 - STA. 115+25 LT
STA. 118+27 - STA. 118+40 RT

REMOVING SIGNS
AS SHOWN - 1




## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 13. | STA. 114+08 - STA. 118+31 | RT | - |
| 14. | STA. 118+05 - STA. 118+50 | LT | - |

BARRIER FENCE

STA. 114+08 - STA. 118+31 RT
STA. 118+05 - STA. 118+50 LT

EROSION LOG

STA. 114+08 - STA. 118+31 RT
STA. 118+05 - STA. 118+50 LT

DATUM
NAVD 88
NAD 83

LEGEND

| | | | | | |
|---|---|---|---|---|---|
| MAILBOX | | MANHOLE | | CURB INLET | |
| BORING | | WATER SHUT OFF (WSO) | | TRAFFIC CONTROL BOX | |
| SIGN | | GAS PIPELINE MARKER | | PARKING METER | |
| HYDRANT | | CATCH BASIN / DROP INLET | | UTILITY POLE | |

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 21**

SEH
2-20-14

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_42.i
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 42 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #19)
STA. 120+57 RT (EDGELINES TH #19)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH CENTERLINE BREAK AT TH #19)
STA. 120+57 RT (CENTERLINE TH #19)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)

STA. 120+51 - STA. 120+70 RT (TH#19)

DURABLE LETTER OF SYMBOL (SEE OPTION ITEMS)

STA. 120+62 RT "STOP" (TH#19)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #19)
STA. 120+57 RT (EDGELINES TH #19)

TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH CENTERLINE BREAK AT TH #19)
STA. 120+57 RT (CENTERLINE TH #19)

TEMPORARY 24 INCH STOP BAR, PAINT

STA. 120+51 - STA. 120+70 RT (TH#19)

TEMPORARY LETTER OF SYMBOL, PAINT

STA. 120+62 RT "STOP" (TH#19)

BARRIER FENCE

STA. 118+50 - STA. 119+53

EROSION LOG

STA. 118+50 - STA. 119+53

STONE FILL, TYPE I

STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

GRUBBING MATERIAL

STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

GEOTEXTILE UNDER STONE FILL

STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

GEOTEXTILE FOR SILT FENCE

STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

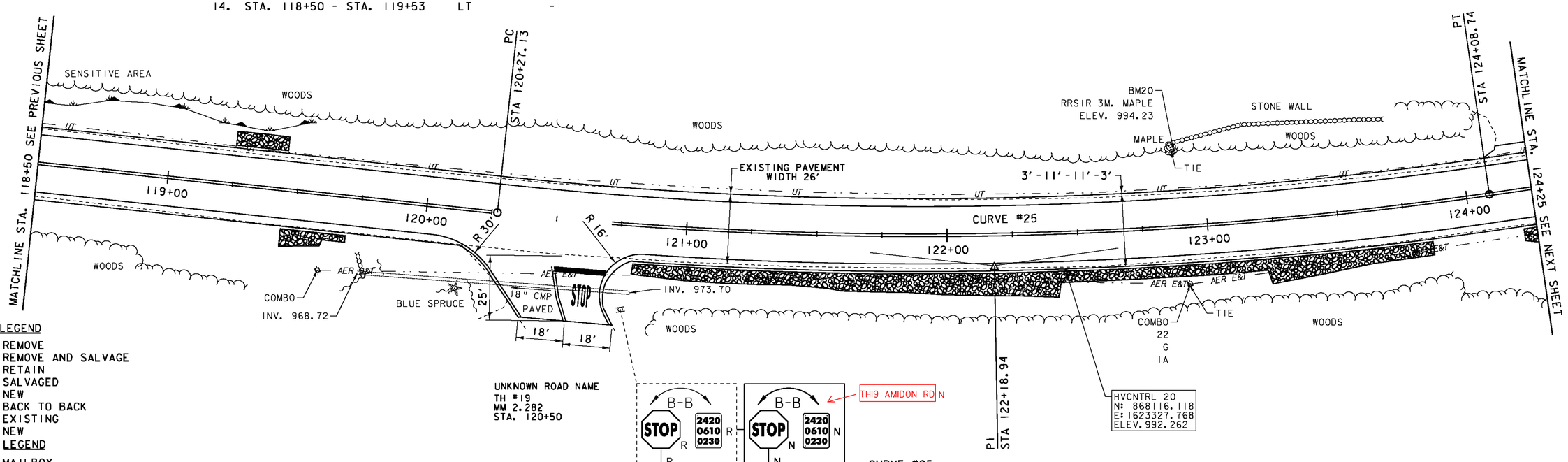
REMOVING SIGNS

AS SHOWN - 2

N
VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 14. | STA. 118+50 - STA. 119+53 | LT | - |




SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

LEGEND

- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

CURVE #25
DELTA = 14°20'14"
D = 3°45'26"
R = 1525.00'
T = 191.80'
L = 381.61'
E = 12.01'
BANKING 0.063 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

SCALE IN FEET
20 0 20

SEH
2-25-14

DATUM
NAVD 88
NAD 83

**PROJECT LAYOUT SHEET 22**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_43.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 43 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #19)
STA. 120+57 RT (EDGELINES TH #19)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH CENTERLINE BREAK AT TH #19)
STA. 120+57 RT (CENTERLINE TH #19)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)

STA. 120+51 - STA. 120+70 RT (TH#19)

DURABLE LETTER OF SYMBOL (SEE OPTION ITEMS)

STA. 120+62 RT "STOP" (TH#19)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH EDGELINE BREAKS AT TH #19)
STA. 120+57 RT (EDGELINES TH #19)

TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 118+50 - STA. 124+25 (SOLID LT & RT)
(WITH CENTERLINE BREAK AT TH #19)
STA. 120+57 RT (CENTERLINE TH #19)

TEMPORARY 24 INCH STOP BAR, PAINT

STA. 120+51 - STA. 120+70 RT (TH#19)

TEMPORARY LETTER OF SYMBOL, PAINT

STA. 120+62 RT "STOP" (TH#19)

BARRIER FENCE

STA. 118+50 - STA. 119+53

EROSION LOG

STA. 118+50 - STA. 119+53

STONE FILL, TYPE I

STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

GRUBBING MATERIAL

STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

GEOTEXTILE UNDER STONE FILL

STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

GEOTEXTILE FOR SILT FENCE

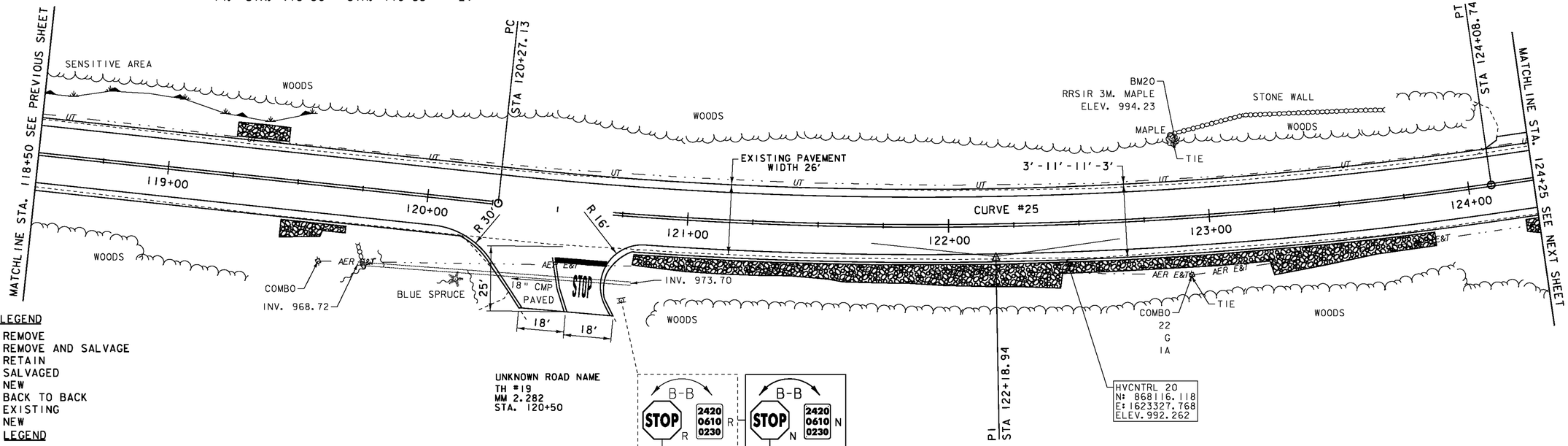
STA. 119+25 - STA. 119+45 LT
STA. 119+45 - STA. 119+70 RT
STA. 120+80 - STA. 123+85 RT
STA. 124+20 - STA. 124+25 RT

REMOVING SIGNS

AS SHOWN - 2

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 14. | STA. 118+50 - STA. 119+53 | LT | - |




CURVE #25
DELTA = 14°20'14"
D = 3°45'26"
R = 1525.00'
T = 191.80'
L = 381.61'
E = 12.01'
BANKING 0.063 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

LEGEND

- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 22**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_43.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 43 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 124+25 - STA. 129+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 124+25 - STA. 129+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 124+25 - STA. 129+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 124+25 - STA. 129+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 126+50 - STA. 129+75 LT

STONE FILL, TYPE I
STA. 124+25 - STA. 124+40 RT
STA. 124+90 - STA. 126+25 RT
STA. 128+05 - STA. 129+75 RT

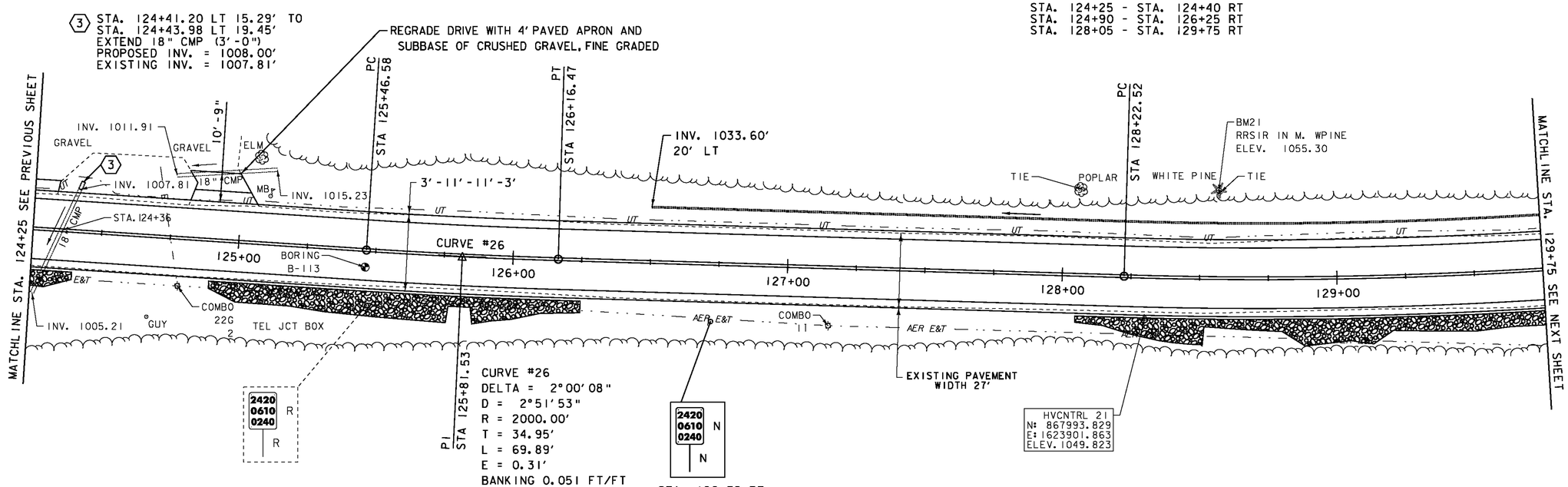
GRUBBING MATERIAL
STA. 124+25 - STA. 124+40 RT
STA. 124+90 - STA. 126+25 RT
STA. 128+05 - STA. 129+75 RT

GEOTEXTILE UNDER STONE FILL
STA. 124+25 - STA. 124+40 RT
STA. 124+90 - STA. 126+25 RT
STA. 128+05 - STA. 129+75 RT

GEOTEXTILE FOR SILT FENCE
STA. 124+25 - STA. 124+40 RT
STA. 124+90 - STA. 126+25 RT
STA. 128+05 - STA. 129+75 RT

REMOVING SIGNS
AS SHOWN - 1

N
VT STATE PLANE GRID




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 23**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_44.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 44 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 129+75 - STA. 135+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 129+75 - STA. 135+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 129+75 - STA. 132+00 LT

BARRIER FENCE
STA. 134+64 - STA. 135+75 LT

EROSION LOG
STA. 134+64 - STA. 135+75 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 129+75 - STA. 135+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 129+75 - STA. 135+75 (SOLID LT & RT)

GEOTEXTILE FOR SILT FENCE
STA. 129+75 - STA. 130+30 RT
STA. 132+25 - STA. 132+90 RT
STA. 135+55 - STA. 135+75 LT

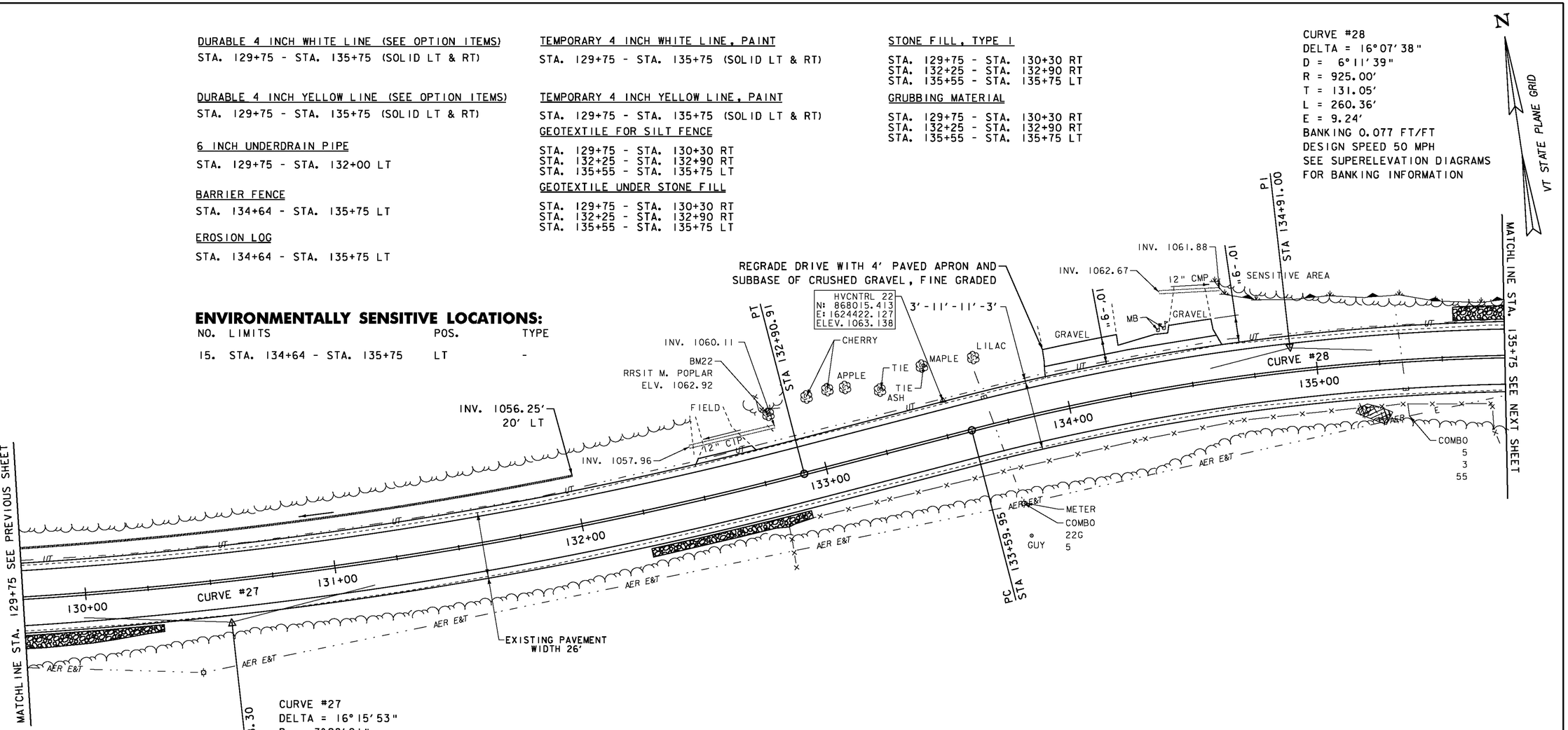
GEOTEXTILE UNDER STONE FILL
STA. 129+75 - STA. 130+30 RT
STA. 132+25 - STA. 132+90 RT
STA. 135+55 - STA. 135+75 LT

STONE FILL, TYPE I
STA. 129+75 - STA. 130+30 RT
STA. 132+25 - STA. 132+90 RT
STA. 135+55 - STA. 135+75 LT

GRUBBING MATERIAL
STA. 129+75 - STA. 130+30 RT
STA. 132+25 - STA. 132+90 RT
STA. 135+55 - STA. 135+75 LT

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 15. | STA. 134+64 - STA. 135+75 | LT | - |




CURVE #28
DELTA = 16°07'38"
D = 6°11'39"
R = 925.00'
T = 131.05'
L = 260.36'
E = 9.24'
BANKING 0.077 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

CURVE #27
DELTA = 16°15'53"
D = 3°28'21"
R = 1650.00'
T = 235.78'
L = 468.39'
E = 16.76'
BANKING 0.058 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 24**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_45.i
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 45 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 141+25 - STA. 146+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 141+25 - STA. 146+75 (SOLID LT & RT)

BARRIER FENCE
STA. 141+25 - STA. 141+45 LT
STA. 143+71 - STA. 146+75 LT

EROSION LOG
STA. 141+25 - STA. 141+45 LT
STA. 143+71 - STA. 146+75 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 141+25 - STA. 146+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 141+25 - STA. 146+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. ~~143+00~~ 142+98 - STA. 146+75 LT

STONE FILL, TYPE I
STA. 142+45 - STA. 146+10 RT
STA. 145+75 - STA. 145+95 LT

GRUBBING MATERIAL
STA. 142+45 - STA. 146+10 RT
STA. 145+75 - STA. 145+95 LT

GEOTEXTILE UNDER STONE FILL
STA. 142+45 - STA. 146+10 RT
STA. 145+75 - STA. 145+95 LT

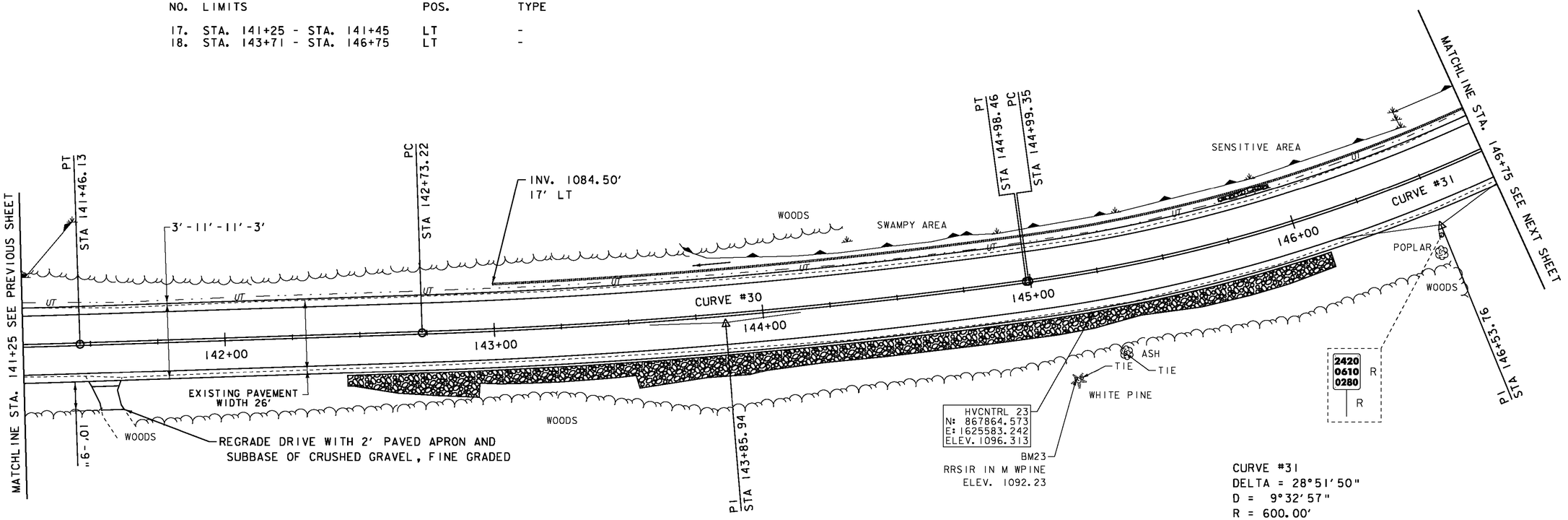
GEOTEXTILE FOR SILT FENCE
STA. 142+45 - STA. 146+10 RT
STA. 145+75 - STA. 145+95 LT

REMOVING SIGNS
AS SHOWN - 1

N
VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 17. | STA. 141+25 - STA. 141+45 | LT | - |
| 18. | STA. 143+71 - STA. 146+75 | LT | - |




CURVE #30
DELTA = 5°51'58"
D = 2°36'16"
R = 2200.00'
T = 112.72'
L = 225.24'
E = 2.89'
BANKING 0.048 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

CURVE #31
DELTA = 28°51'50"
D = 9°32'57"
R = 600.00'
T = 154.41'
L = 302.26'
E = 19.55'
BANKING 0.080 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 26**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_47.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 47 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 146+75 - STA. 151+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 146+75 - STA. 151+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 146+75 - STA. 151+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 146+75 - STA. 151+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 146+75 - STA. ~~147+00~~ 148+81 LT

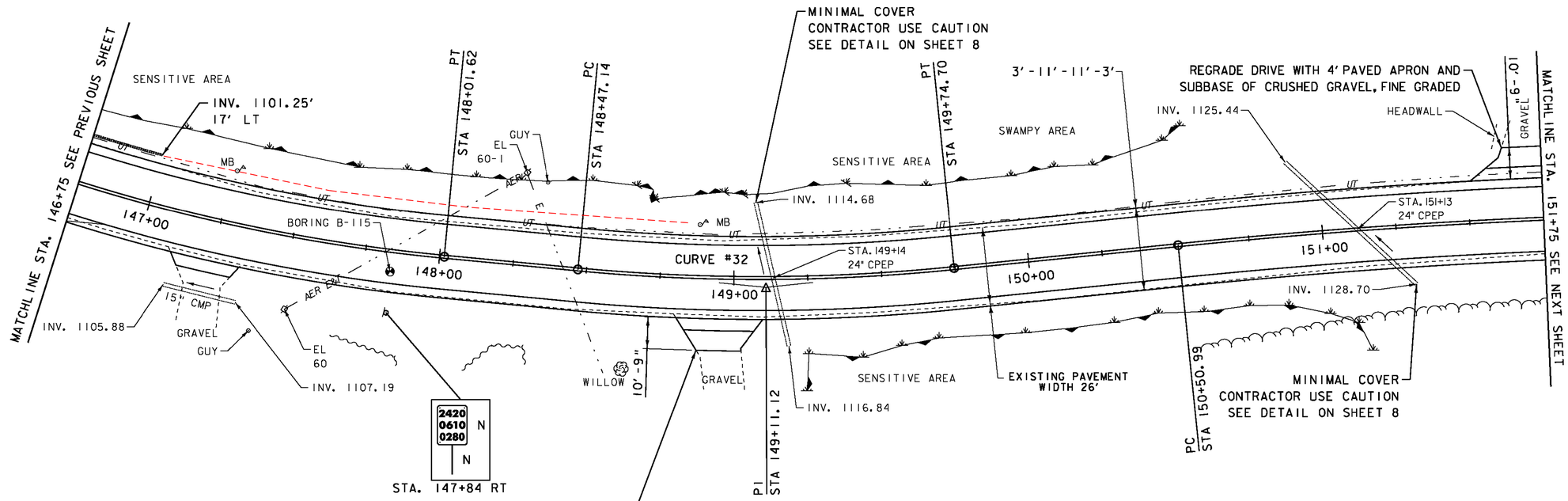
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 147+27 LT

BARRIER FENCE
STA. 146+75 - STA. 150+55 LT
STA. 149+24 - STA. 151+14 RT

EROSION LOG
STA. 146+75 - STA. 150+55 LT
STA. 149+24 - STA. 151+14 RT

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 18. | STA. 146+75 - STA. 150+55 | LT | - |
| 19. | STA. 149+24 - STA. 151+14 | RT | - |




CURVE #32
DELTA = 11°14'40"
D = 8°48'53"
R = 650.00'
T = 63.99'
L = 127.56'
E = 3.14'
BANKING 0.080 FT/FT
DESIGN SPEED 45 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

N
VT STATE PLANE GRID

DATUM
NAVD 88
NAD 83

LEGEND
MAILBOX
BORING
SIGN
HYDRANT
MANHOLE
WATER SHUT OFF (WSO)
GAS PIPELINE MARKER
CATCH BASIN / DROP INLET
CURB INLET
TRAFFIC CONTROL BOX
PARKING METER
UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 27**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_48.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 48 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. ~~156+50~~ 155+70 - STA. 157+25 LT

STONE FILL, TYPE I
STA. 151+80 - STA. 153+10 LT

GRUBBING MATERIAL
STA. 151+80 - STA. 153+10 LT

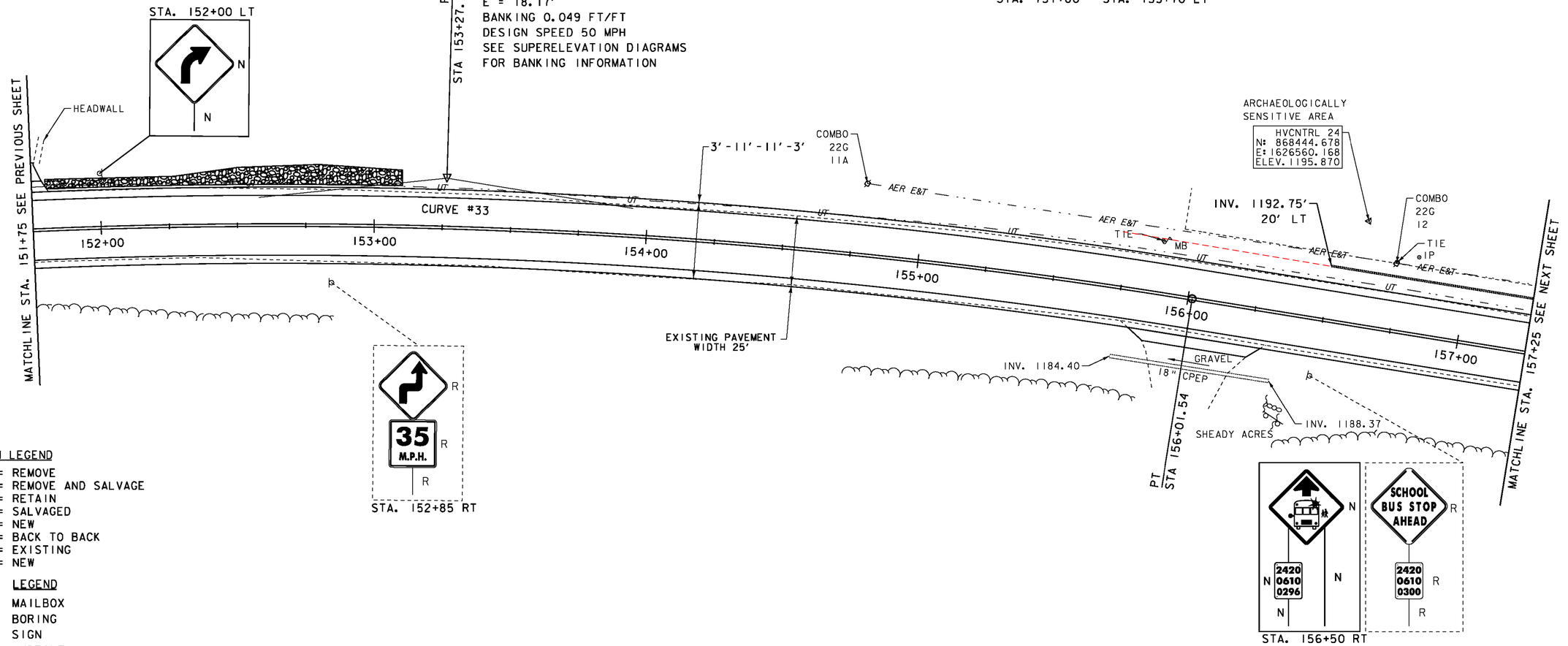
GEOTEXTILE UNDER STONE FILL
STA. 151+80 - STA. 153+10 LT

GEOTEXTILE FOR SILT FENCE
STA. 151+80 - STA. 153+10 LT

REMOVING SIGNS
AS SHOWN - 4

N
VT STATE PLANE GRID

CURVE #33
DELTA = 15°01'15"
D = 2°43'42"
R = 2100.00'
T = 276.86'
L = 550.54'
E = 18.17'
BANKING 0.049 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION




SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 28**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_49.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 49 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 151+75 - STA. 157+25 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. 156+50 - STA. 157+25 LT

STONE FILL, TYPE I
STA. 151+80 - STA. 153+10 LT

GRUBBING MATERIAL
STA. 151+80 - STA. 153+10 LT

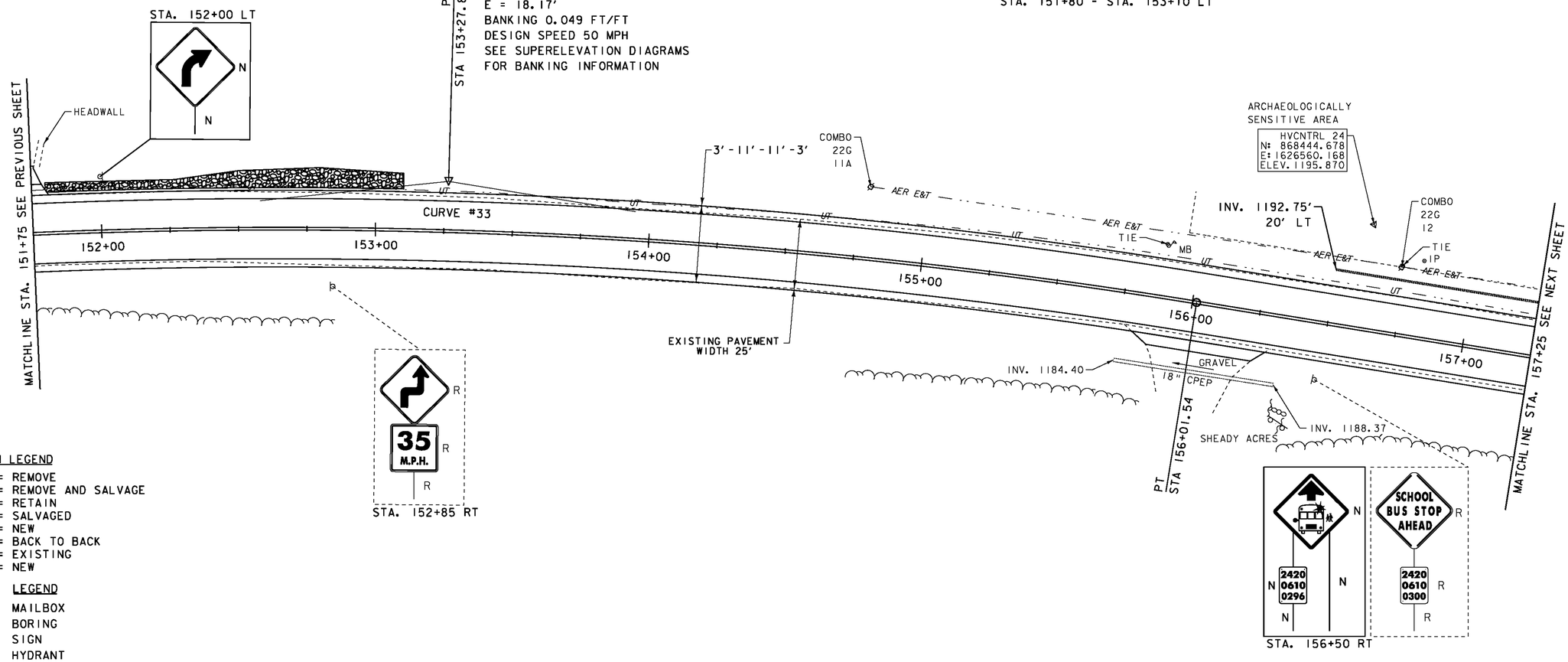
GEOTEXTILE UNDER STONE FILL
STA. 151+80 - STA. 153+10 LT

GEOTEXTILE FOR SILT FENCE
STA. 151+80 - STA. 153+10 LT

REMOVING SIGNS
AS SHOWN - 4

N
VT STATE PLANE GRID

CURVE #33
DELTA = 15°01'15"
D = 2°43'42"
R = 2100.00'
T = 276.86'
L = 550.54'
E = 18.17'
BANKING 0.049 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION




SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

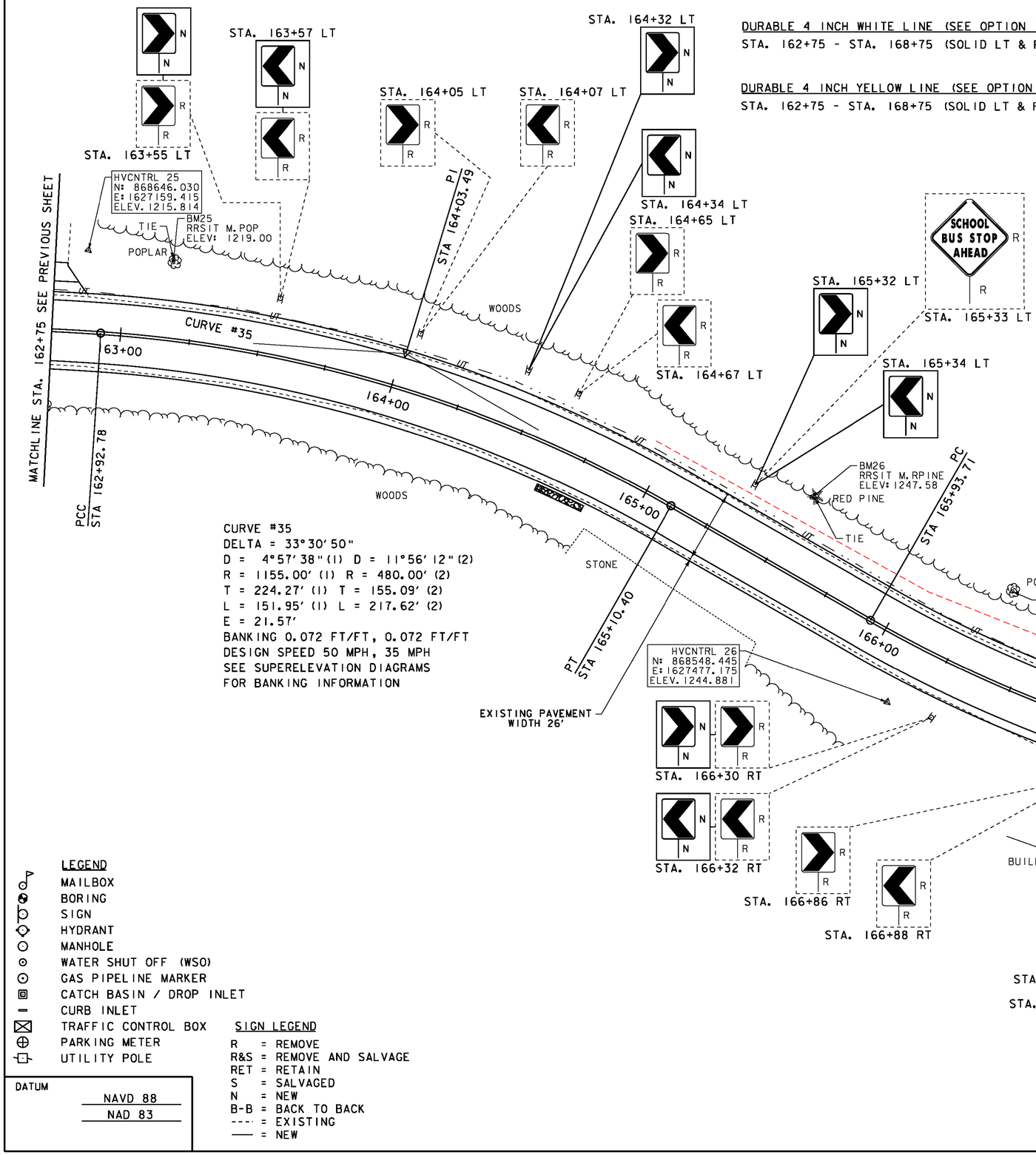
DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 28**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_49.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 49 OF 178




DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 162+75 - STA. 168+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 162+75 - STA. 168+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 162+75 - STA. 168+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 162+75 - STA. 168+75 (SOLID LT & RT)

STONE FILL, TYPE I
STA. 164+63 - STA. 164+82 RT
STA. 167+90 - STA. 168+55 RT

GRUBBING MATERIAL
STA. 164+63 - STA. 164+82 RT
STA. 167+90 - STA. 168+55 RT

GEOTEXTILE UNDER STONE FILL
STA. 164+63 - STA. 164+82 RT
STA. 167+90 - STA. 168+55 RT

GEOTEXTILE FOR SILT FENCE
STA. 164+63 - STA. 164+82 RT
STA. 167+90 - STA. 168+55 RT

REMOVING SIGNS
AS SHOWN - 14

6" UNDERDRAIN PIPE
STA. 164+94 - STA. 167+84

CURVE #35
DELTA = 33°30'50"
D = 4°57'38" (1) D = 11°56'12" (2)
R = 1155.00' (1) R = 480.00' (2)
T = 224.27' (1) T = 155.09' (2)
L = 151.95' (1) L = 217.62' (2)
E = 21.57'
BANKING 0.072 FT/FT, 0.072 FT/FT
DESIGN SPEED 50 MPH, 35 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

CURVE #36
DELTA = 32°01'48"
D = 11°56'12"
R = 480.00'
T = 137.77'
L = 268.33'
E = 19.38'
BANKING 0.076 FT/FT
DESIGN SPEED 35 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 30**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_5l.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 51 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 168+75 - STA. 174+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 168+75 - STA. 174+25 (SOLID LT & RT)

BARRIER FENCE
STA. 172+97 - STA. 174+25 LT

EROSION LOG
STA. 172+97 - STA. 174+25 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 168+75 - STA. 174+25 (SOLID LT & RT)

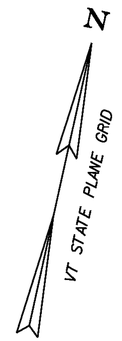
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 168+75 - STA. 174+25 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. ~~170+00~~ 170+72 - STA. ~~172+50~~ 174+25 RT

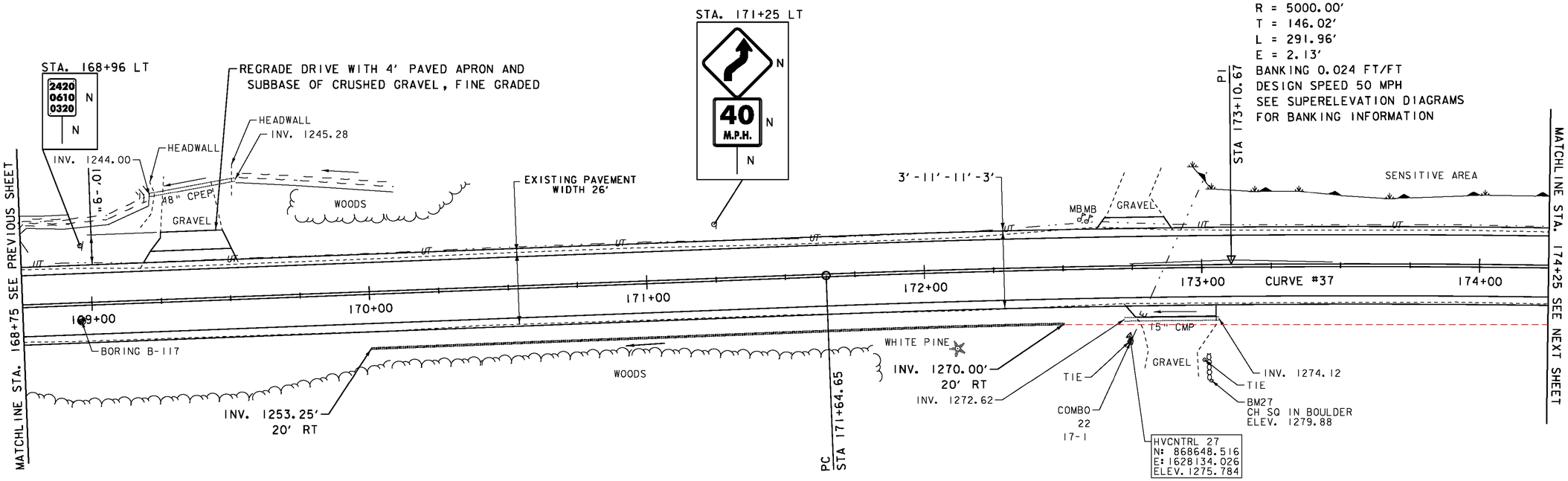
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 172+56 LT
STA. 172+58 LT

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 20. | STA. 172+97 - STA. 174+25 | LT | - |




CURVE #37
DELTA = 3°20'44"
D = 1°08'45"
R = 5000.00'
T = 146.02'
L = 291.96'
E = 2.13'
BANKING 0.024 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 31**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_52.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 52 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 174+25 - STA. 179+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 174+25 - STA. 179+00 (SOLID LT & RT)
STA. 179+00 - STA. 179+75 (SOLID LT, DASHED RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 174+25 - STA. 179+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 174+25 - STA. 179+00 (SOLID LT & RT)
STA. 179+00 - STA. 179+75 (SOLID LT, DASHED RT)

REMOVING SIGNS
AS SHOWN - 3

BARRIER FENCE
STA. 174+25 - STA. 175+34 LT

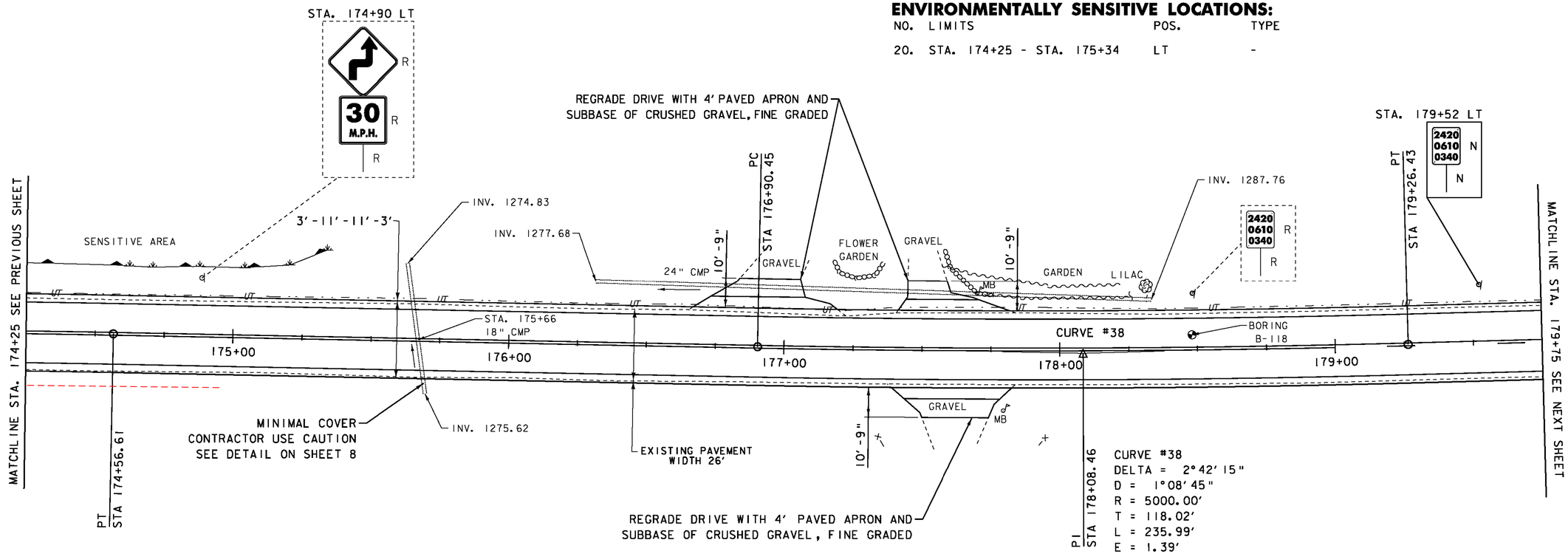
EROSION LOG
STA. 174+25 - STA. 175+34 LT

6" UNDERDRAIN PIPE
STA. 174+25 - STA. 174+92 LT

N
VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 20. | STA. 174+25 - STA. 175+34 | LT | - |




CURVE #38
DELTA = 2°42'15"
D = 1°08'45"
R = 5000.00'
T = 118.02'
L = 235.99'
E = 1.39'
BANKING 0.024 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 32**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_53.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 53 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 174+25 - STA. 179+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 174+25 - STA. 179+00 (SOLID LT & RT)
STA. 179+00 - STA. 179+75 (SOLID LT, DASHED RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 174+25 - STA. 179+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 174+25 - STA. 179+00 (SOLID LT & RT)
STA. 179+00 - STA. 179+75 (SOLID LT, DASHED RT)

REMOVING SIGNS
AS SHOWN - 3

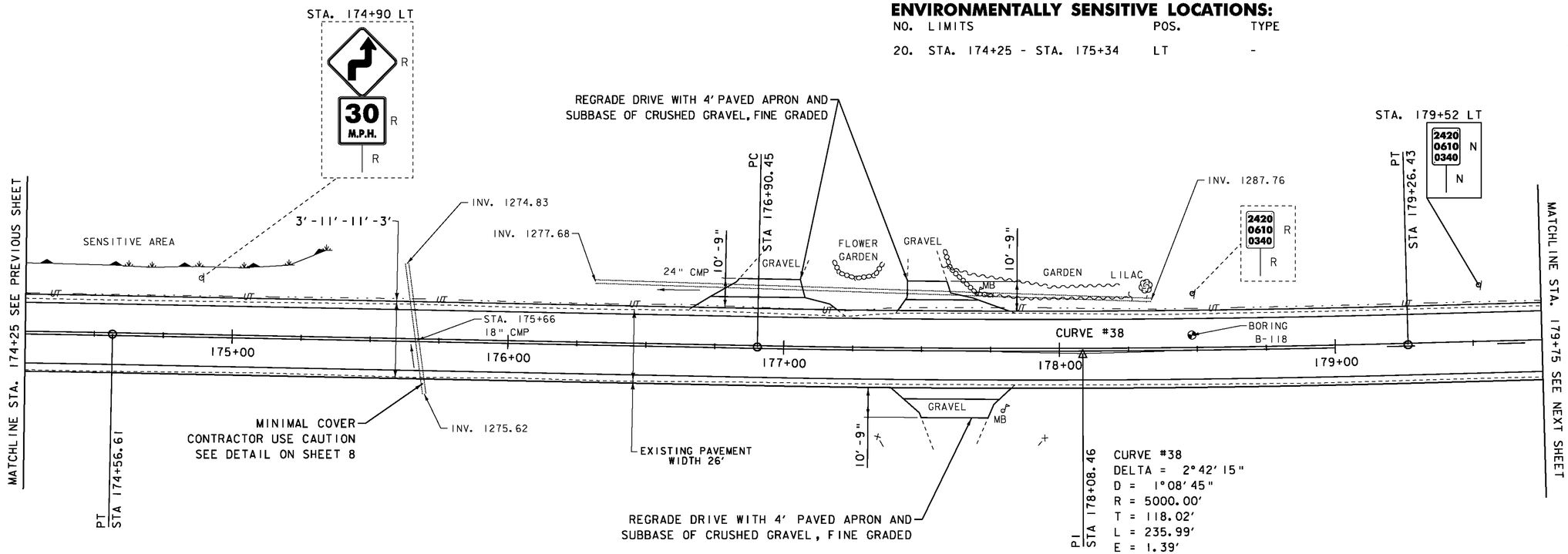
BARRIER FENCE
STA. 174+25 - STA. 175+34 LT

EROSION LOG
STA. 174+25 - STA. 175+34 LT

N
VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 20. | STA. 174+25 - STA. 175+34 | LT | - |




CURVE #38
DELTA = 2°42'15"
D = 1°08'45"
R = 5000.00'
T = 118.02'
L = 235.99'
E = 1.39'
BANKING 0.024 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 32**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_53.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 53 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 179+75 - STA. 185+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 179+75 - STA. 185+25 (SOLID LT, DASHED RT)
STA. 185+25 - STA. 185+50 (SOLID LT & RT)

STONE FILL, TYPE I
STA. 183+52 - STA. 183+80 RT

GRUBBING MATERIAL
STA. 183+52 - STA. 183+80 RT

GEOTEXTILE UNDER STONE FILL
STA. 183+52 - STA. 183+80 RT

GEOTEXTILE FOR SILT FENCE
STA. 183+52 - STA. 183+80 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 179+75 - STA. 185+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 179+75 - STA. 185+25 (SOLID LT, DASHED RT)
STA. 185+25 - STA. 185+50 (SOLID LT & RT)

REMOVING SIGNS
AS SHOWN - 2

BARRIER FENCE
STA. 180+46 - STA. 185+50 RT
STA. 183+64 - STA. 185+06 LT

EROSION LOG
STA. 180+46 - STA. 185+50 RT
STA. 183+64 - STA. 185+06 LT

CURVE #39
DELTA = 1°43'12"
D = 1°08'45"
R = 5000.00'
T = 75.06'
L = 150.11'
E = 0.56'
BANKING 0.024 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

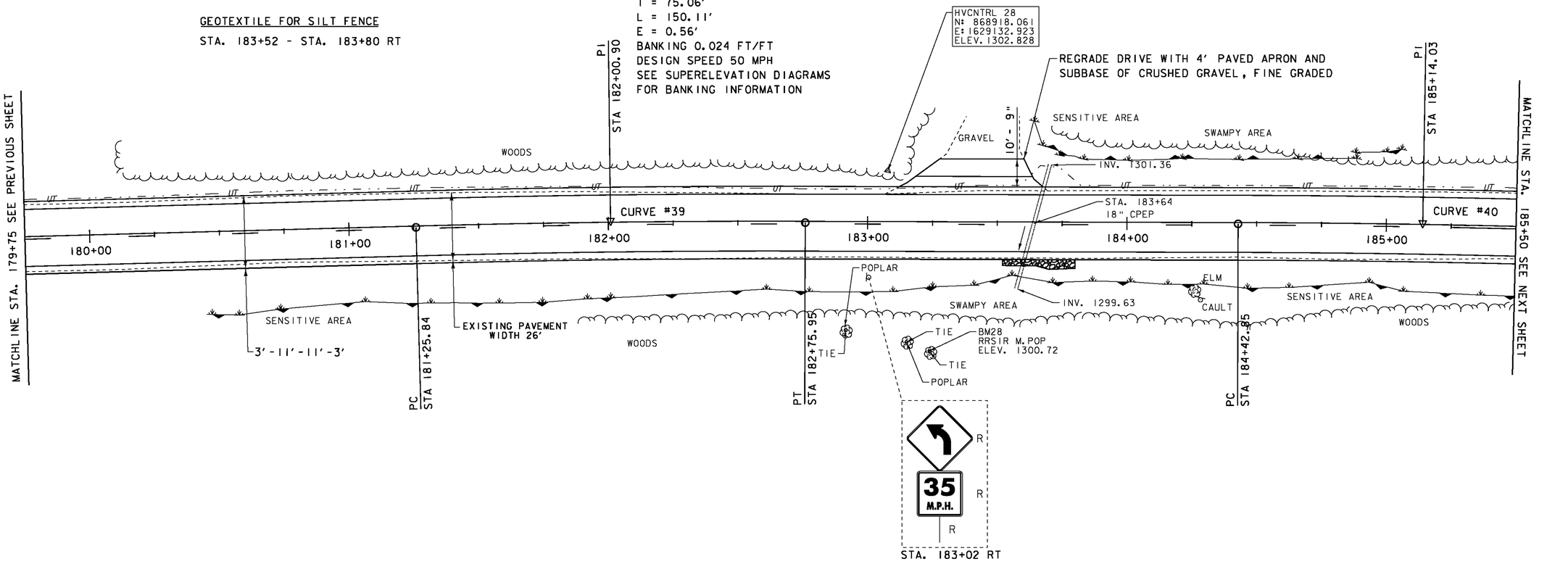
CURVE #40
DELTA = 1°37'52"
D = 1°08'45"
R = 5000.00'
T = 71.18'
L = 142.35'
E = 0.51'
BANKING 0.024 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 21. | STA. 180+46 - STA. 185+50 | RT | - |
| 22. | STA. 183+64 - STA. 185+06 | LT | - |

N

VT STATE PLANE GRID




LEGEND

| | | | | | |
|---|---|---|---|---|---|
| MAILBOX | | MANHOLE | | CURB INLET | |
| BORING | | WATER SHUT OFF (WSO) | | TRAFFIC CONTROL BOX | |
| SIGN | | GAS PIPELINE MARKER | | PARKING METER | |
| HYDRANT | | CATCH BASIN / DROP INLET | | UTILITY POLE | |

SIGN LEGEND

| | | |
|---|---|---|
| R | = | REMOVE |
| R&S | = | REMOVE AND SALVAGE |
| RET | = | RETAIN |
| S | = | SALVAGED |
| N | = | NEW |
| B-B | = | BACK TO BACK |
| ---- | = | EXISTING |
| —— | = | NEW |

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 33**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_54.i
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 54 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 190+50 - STA. 196+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 190+50 - STA. 196+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 190+50 - STA. 196+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 190+50 - STA. 196+50 (SOLID LT & RT)

REMOVING SIGNS
AS SHOWN - 2

BARRIER FENCE
STA. 191+54 - STA. 193+47 LT

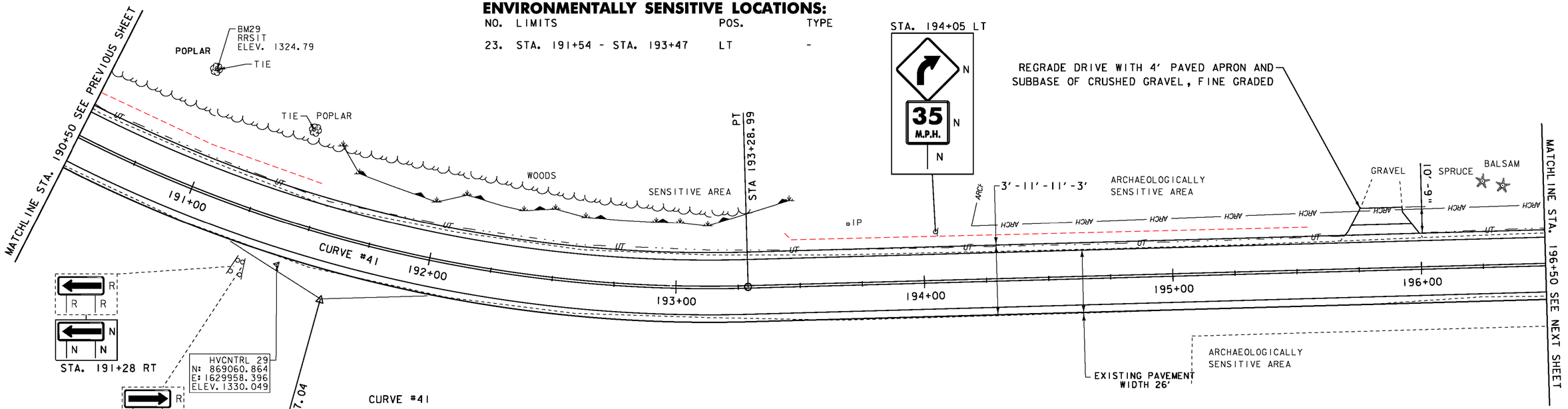
EROSION LOG
STA. 191+54 - STA. 193+47 LT

6" UNDERDRAIN PIPE
STA. 190+50 - STA. 191+50 LT
STA. 193+36 - STA. 195+56 LT

VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 23. | STA. 191+54 - STA. 193+47 | LT | - |




CURVE #41
DELTA = 34°11'28"
D = 10°13'53"
R = 560.00'
T = 172.23'
L = 334.18'
E = 25.89'
BANKING 0.080 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 35**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_56.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 56 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

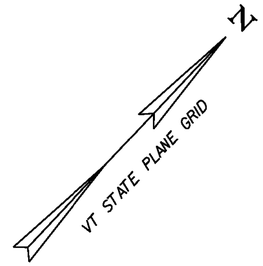
DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

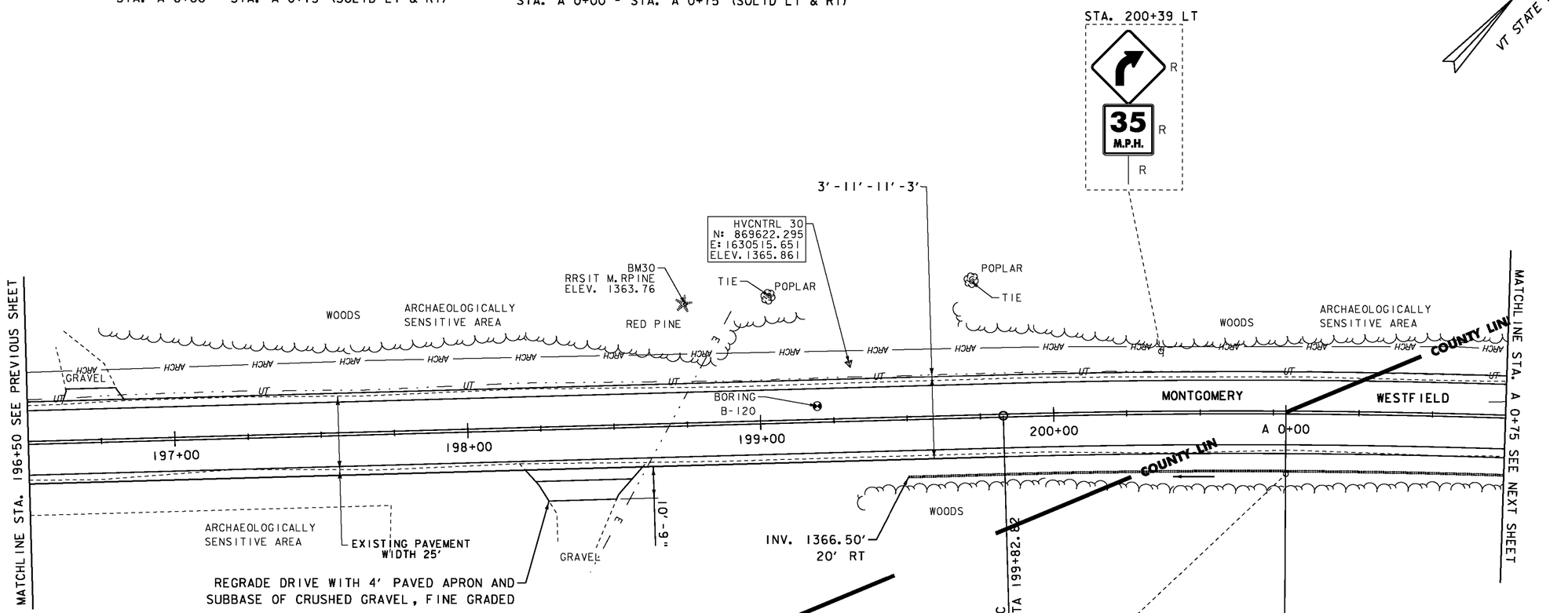
TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. ~~199+50~~ 199+40 - STA. 200+79.25 RT
STA. A 0+00 - STA. A 0+75 RT

REMOVING SIGNS
AS SHOWN - 6




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 36**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_57.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 57 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 196+50 - STA. 200+79.25 (SOLID LT & RT)
STA. A 0+00 - STA. A 0+75 (SOLID LT & RT)

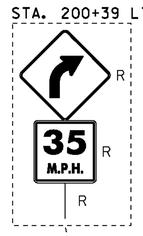
6 INCH UNDERDRAIN PIPE
STA. 199+50 - STA. 200+79.25 RT
STA. A 0+00 - STA. A 0+75 RT

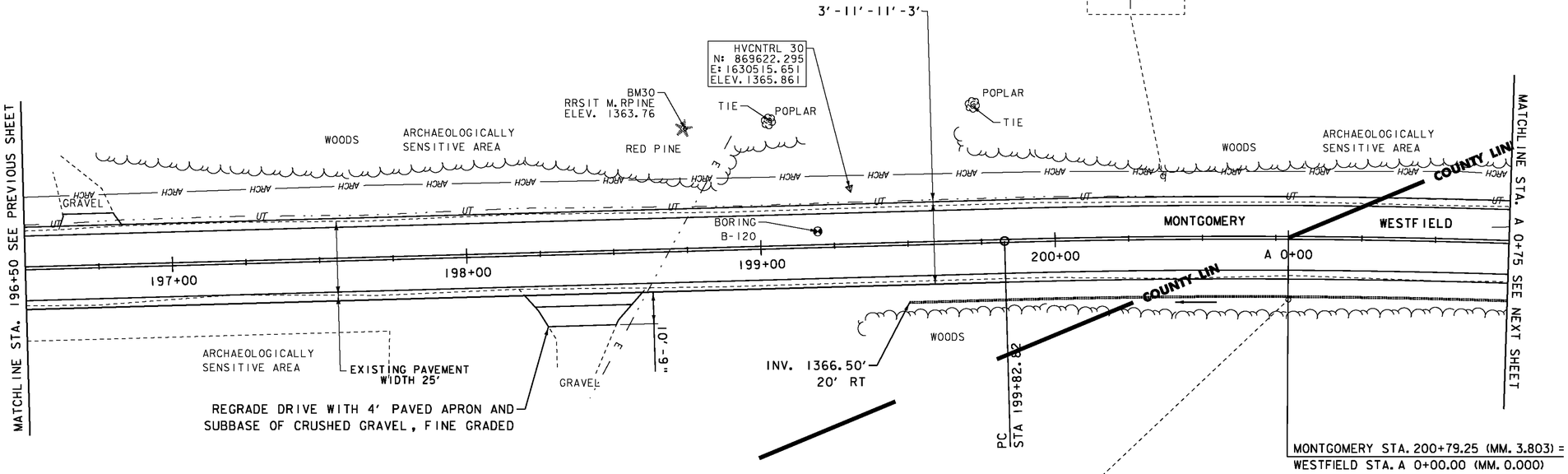
REMOVING SIGNS
AS SHOWN - 6

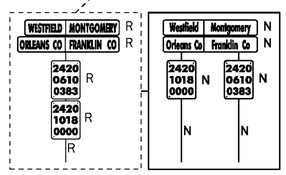
N

VT STATE PLANE GRID

STA. 200+39 LT




STA. 200+79.25 RT
STA. A 0+00 RT

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 36**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_57.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 57 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 0+75 - STA. A 6+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 0+75 - STA. A 6+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 0+75 - STA. A 6+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 0+75 - STA. A 6+75 (SOLID LT & RT)

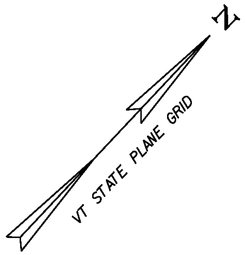
6 INCH UNDERDRAIN PIPE
STA. A 0+75 - STA. A 3+50 RT

STONE FILL, TYPE I
STA. A 3+95 - STA. A 5+40 LT

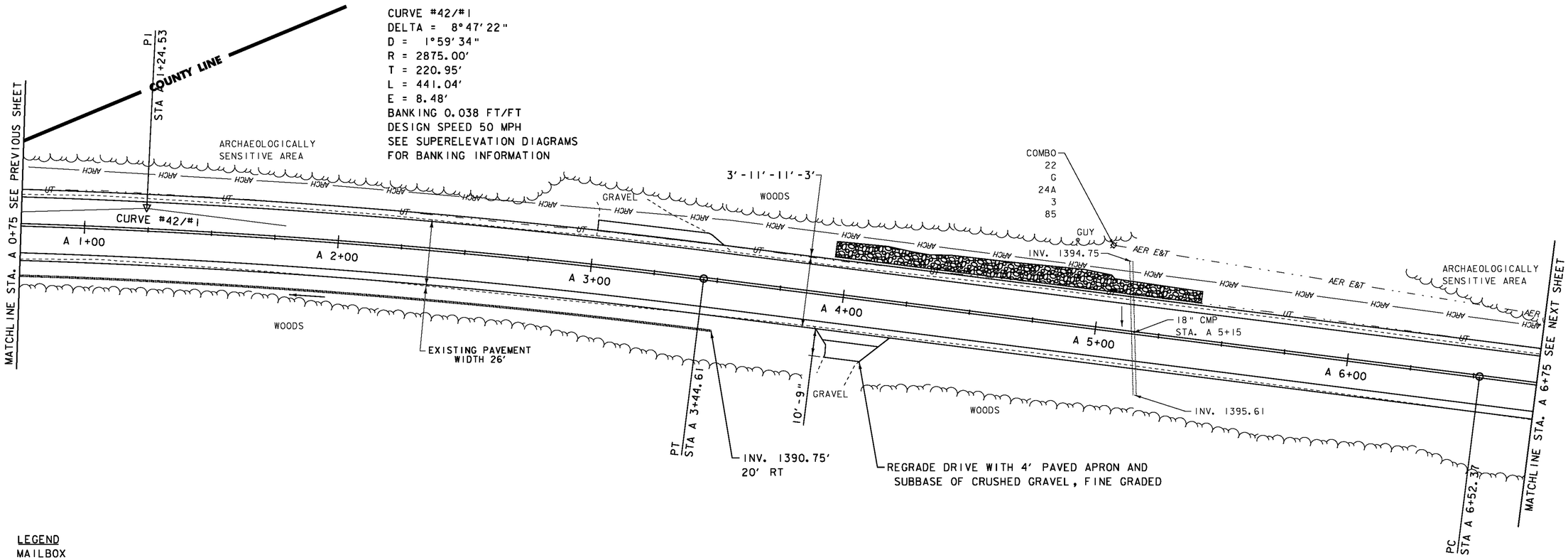
GRUBBING MATERIAL
STA. A 3+95 - STA. A 5+40 LT

GEOTEXTILE UNDER STONE FILL
STA. A 3+95 - STA. A 5+40 LT

GEOTEXTILE FOR SILT FENCE
STA. A 3+95 - STA. A 5+40 LT




CURVE #42/#1
DELTA = 8°47'22"
D = 1°59'34"
R = 2875.00'
T = 220.95'
L = 441.04'
E = 8.48'
BANKING 0.038 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 37**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_58.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 58 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 6+75 - STA. A 12+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 6+75 - STA. A 12+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 6+75 - STA. A 12+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 6+75 - STA. A 12+25 (SOLID LT & RT)

STONE FILL, TYPE I
STA. A 11+10 - STA. A 12+25 LT

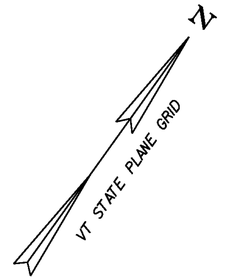
GRUBBING MATERIAL
STA. A 11+10 - STA. A 12+25 LT

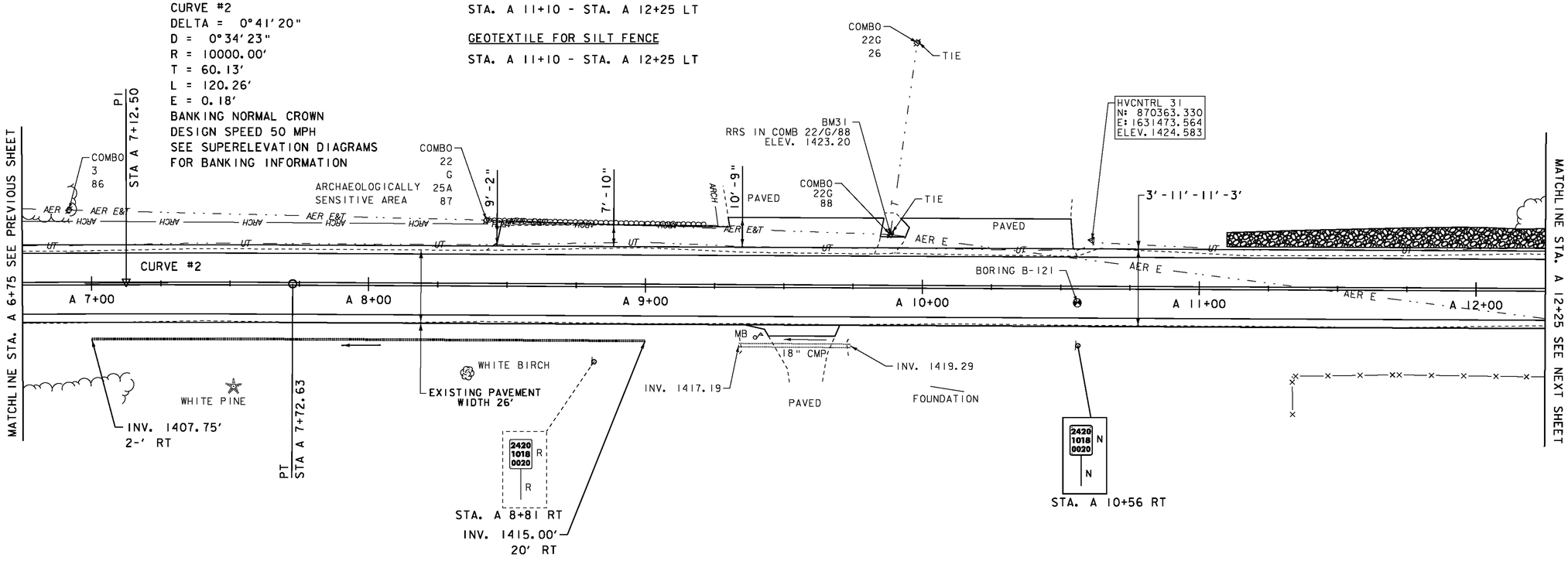
GEOTEXTILE UNDER STONE FILL
STA. A 11+10 - STA. A 12+25 LT

GEOTEXTILE FOR SILT FENCE
STA. A 11+10 - STA. A 12+25 LT

6 INCH UNDERDRAIN PIPE
STA. A 7+00 - STA. A 9+00 RT

REMOVING SIGNS
AS SHOWN - 1




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- --- = EXISTING
- —— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 38**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_59.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 59 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 12+25 - STA. A 17+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 12+25 - STA. A 16+00 (SOLID LT & RT)
STA. A 16+00 - STA. A 17+75 (SOLID LT, DASHED RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 12+25 - STA. A 17+75 (SOLID LT & RT)

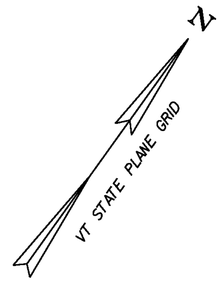
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 12+25 - STA. A 16+00 (SOLID LT & RT)
STA. A 16+00 - STA. A 17+75 (SOLID LT, DASHED RT)

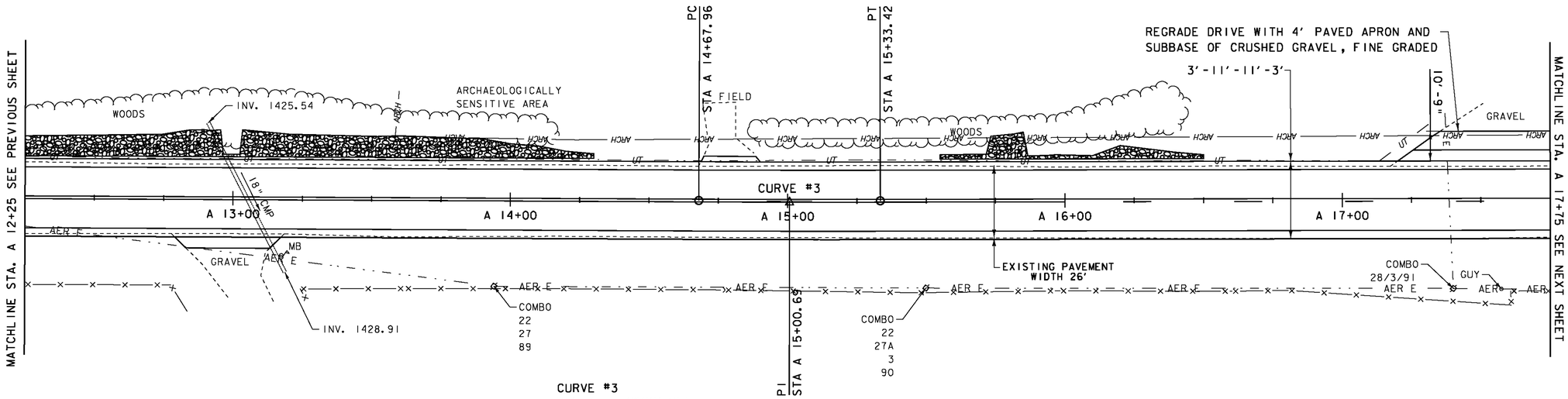
STONE FILL, TYPE I
STA. A 12+25 - STA. A 14+30 LT
STA. A 15+55 - STA. A 16+50 LT

GRUBBING MATERIAL
STA. A 12+25 - STA. A 14+30 LT
STA. A 15+55 - STA. A 16+50 LT

GEOTEXTILE UNDER STONE FILL
STA. A 12+25 - STA. A 14+30 LT
STA. A 15+55 - STA. A 16+50 LT

GEOTEXTILE FOR SILT FENCE
STA. A 12+25 - STA. A 14+30 LT
STA. A 15+55 - STA. A 16+50 LT




CURVE #3
DELTA = 0°22'30"
D = 0°34'23"
R = 10000.00'
T = 32.73'
L = 65.46'
E = 0.05'
BANKING NORMAL CROWN
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

DATUM
NAVD 88
NAD 83

LEGEND

| | | | | | |
|---|---|---|---|---|---|
| MAILBOX | | MANHOLE | | CURB INLET | |
| BORING | | WATER SHUT OFF (WSO) | | TRAFFIC CONTROL BOX | |
| SIGN | | GAS PIPELINE MARKER | | PARKING METER | |
| HYDRANT | | CATCH BASIN / DROP INLET | | UTILITY POLE | |

SIGN LEGEND

| | |
|---|---|
| R | = REMOVE |
| R&S | = REMOVE AND SALVAGE |
| RET | = RETAIN |
| S | = SALVAGED |
| N | = NEW |
| B-B | = BACK TO BACK |
| ---- | = EXISTING |
| —— | = NEW |

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 39**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: pl0C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: pl0C190_60.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 60 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. A 23+25 - STA. A 29+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. A 23+25 - STA. A 23+50 (SOLID LT & RT)
STA. A 23+50 - STA. A 29+25 (DASHED LT, SOLID RT)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. A 23+25 - STA. A 29+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. A 23+25 - STA. A 23+50 (SOLID LT & RT)
STA. A 23+50 - STA. A 29+25 (DASHED LT, SOLID RT)

BARRIER FENCE

STA. A 23+25 - STA. A 28+46 LT
STA. A 23+36 - STA. A 26+10 RT

EROSION LOG

STA. A 23+25 - STA. A 28+46 LT
STA. A 23+36 - STA. A 26+10 RT

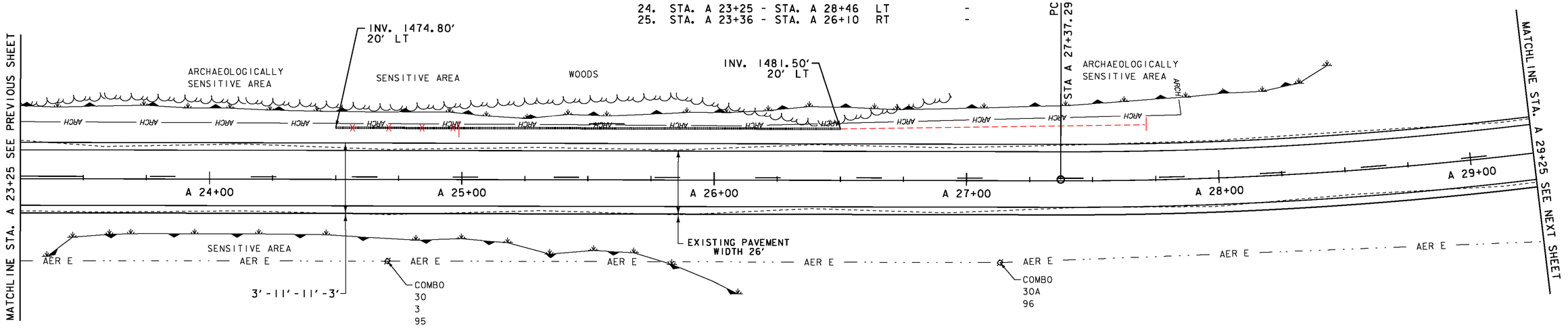
6 INCH UNDERDRAIN PIPE

STA. A ~~24+50~~ 25+00 - STA. A ~~26+50~~ 27+70 LT

VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 24. | STA. A 23+25 - STA. A 28+46 | LT | - |
| 25. | STA. A 23+36 - STA. A 26+10 | RT | - |




LEGEND

- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM

NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 41**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_62.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 62 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. A 29+25 - STA. A 34+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. A 29+25 - STA. A 30+00 (DASHED LT, SOLID RT)
STA. A 30+00 - STA. A 30+75 (SOLID LT & RT)
STA. A 30+75 - STA. A 34+75 (SOLID LT, DASHED RT)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. A 29+25 - STA. A 34+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT

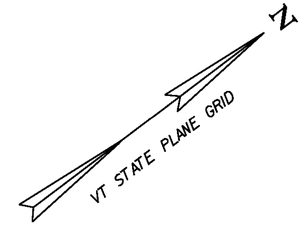
STA. A 29+25 - STA. A 30+00 (DASHED LT, SOLID RT)
STA. A 30+00 - STA. A 30+75 (SOLID LT & RT)
STA. A 30+75 - STA. A 34+75 (SOLID LT, DASHED RT)

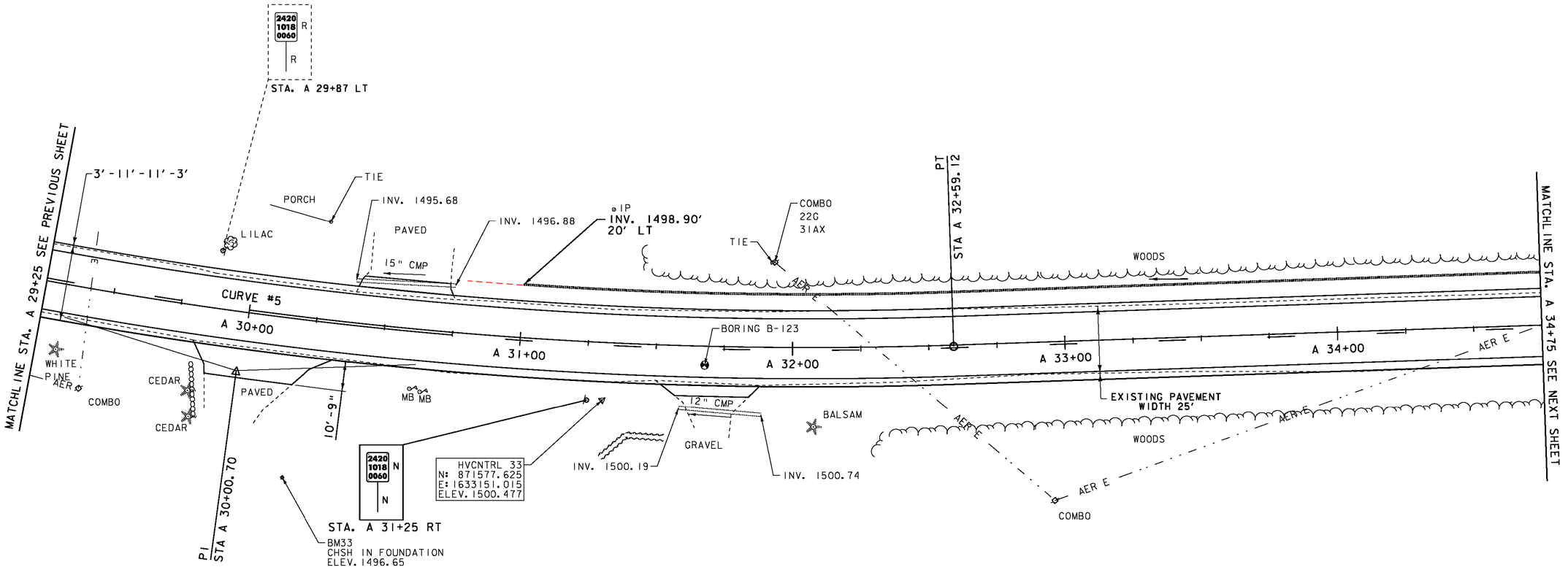
6 INCH UNDERDRAIN PIPE

STA. A ~~31+00~~ 30+76 - STA. A 34+75 LT

REMOVING SIGNS

AS SHOWN - 1




LEGEND

- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
--- = EXISTING
—— = NEW

DATUM

NAVD 88
NAD 83

CURVE #5
DELTA = 19°17'21"
D = 3°41'47"
R = 1550.00'
T = 263.40'
L = 521.82'
E = 22.22'
BANKING 0.060 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 42**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_63.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 63 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 34+75 - STA. A 40+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 34+75 - STA. A 38+25 (SOLID LT, DASHED RT)
STA. A 38+25 - STA. A 39+00 (DASHED CTR)
STA. A 39+00 - STA. A 40+25 (DASHED LT, SOLID RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. A 36+05 - STA. A 38+30 RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. A 36+05 - STA. A 38+05 LT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 36+05 - STA. A 38+05 LT
STA. A 36+05 - STA. A 38+30 RT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 36+05 RT
STA. A 36+05 LT
STA. A 38+05 LT
STA. A 38+30 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 34+75 - STA. A 40+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 34+75 - STA. A 38+25 (SOLID LT, DASHED RT)
STA. A 38+25 - STA. A 39+00 (DASHED CTR)
STA. A 39+00 - STA. A 40+25 (DASHED LT, SOLID RT)

STONE FILL, TYPE I
STA. A 40+10 - STA. A 40+25 RT

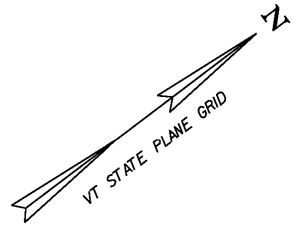
GRUBBING MATERIAL
STA. A 40+10 - STA. A 40+25 RT

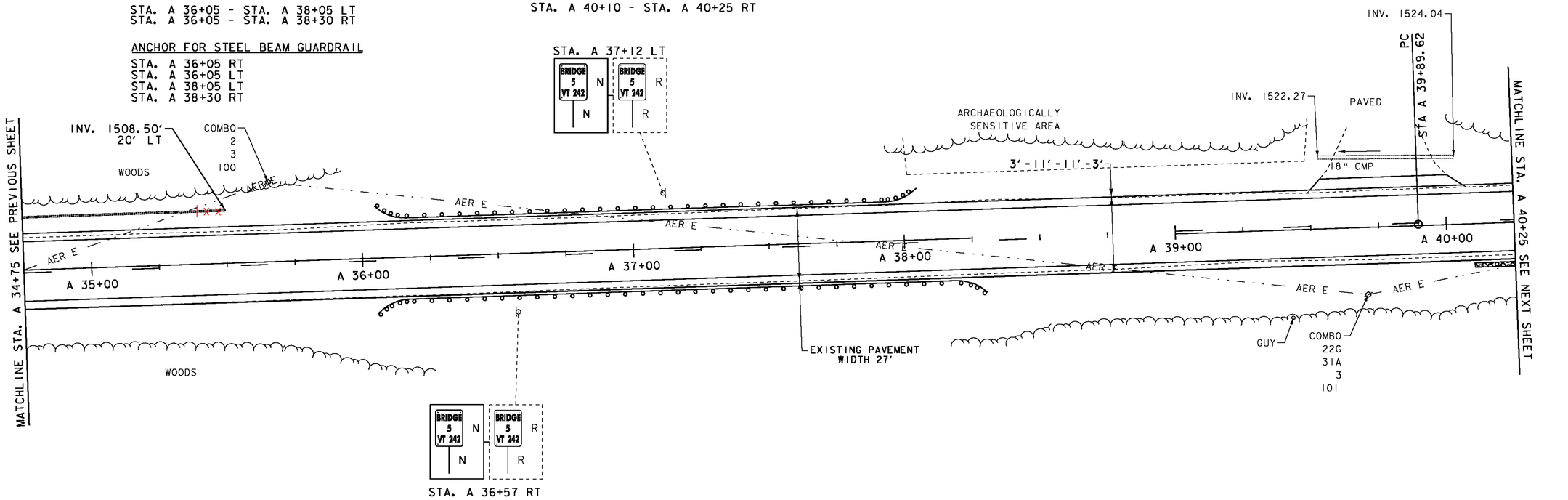
GEOTEXTILE UNDER STONE FILL
STA. A 40+10 - STA. A 40+25 RT

6 INCH UNDERDRAIN PIPE
STA. A 34+75 - STA. A ~~35+50~~ 35+36 LT

GEOTEXTILE FOR SILT FENCE
STA. A 40+10 - STA. A 40+25 RT

REMOVING SIGNS
AS SHOWN - 2




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 43**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_64.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 64 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 40+25 - STA. A 45+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 40+25 - STA. A 45+75 (DASHED LT, SOLID RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 40+25 - STA. A 45+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 40+25 - STA. A 45+75 (DASHED LT, SOLID RT)

GEOTEXTILE FOR SILT FENCE
STA. A 40+25 - STA. A 41+25 RT
STA. A 41+25 - STA. A 42+50 LT

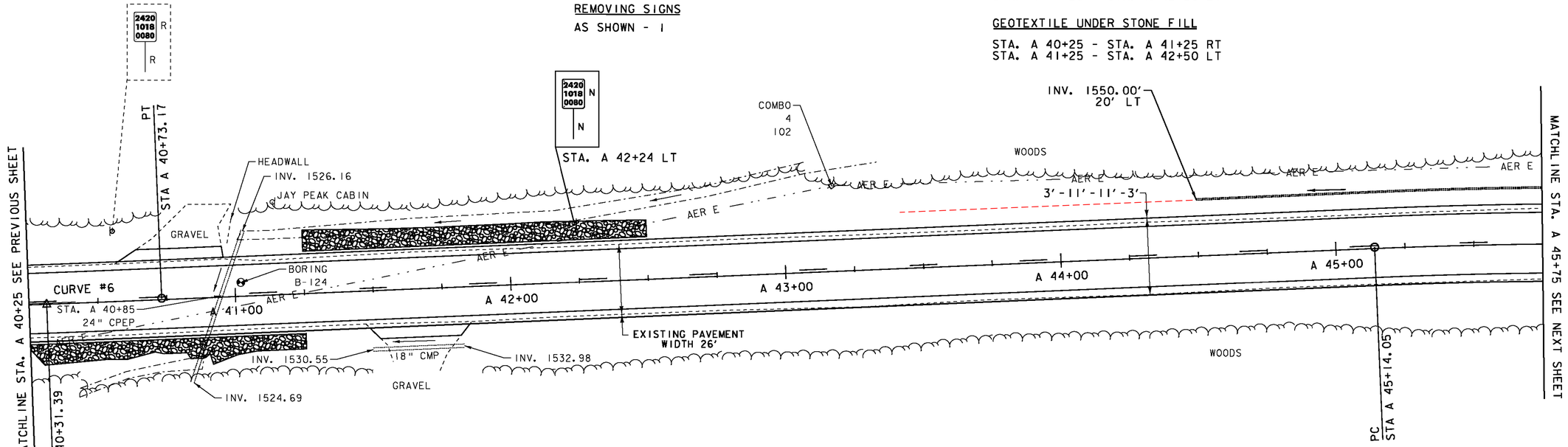
REMOVING SIGNS
AS SHOWN - 1

6 INCH UNDERDRAIN PIPE
STA. A ~~44+50~~ 43+45 - STA. A 45+75 LT

STONE FILL, TYPE I
STA. A 40+25 - STA. A 41+25 RT
STA. A 41+25 - STA. A 42+50 LT

GRUBBING MATERIAL
STA. A 40+25 - STA. A 41+25 RT
STA. A 41+25 - STA. A 42+50 LT

GEOTEXTILE UNDER STONE FILL
STA. A 40+25 - STA. A 41+25 RT
STA. A 41+25 - STA. A 42+50 LT




VT STATE PLANE GRID

CURVE #6
DELTA = 0°28'43"
D = 0°34'23"
R = 10000.00'
T = 41.78'
L = 83.55'
E = 0.09'
BANKING NORMAL CROWN
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-25-14

**PROJECT LAYOUT SHEET 44**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: pI0CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: pI0CI90_65.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 65 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 45+75 - STA. A 51+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 45+75 - STA. A 47+00 (DASHED LT, SOLID RT)
STA. A 47+00 - STA. A 51+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 45+75 - STA. A 51+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 45+75 - STA. A 47+00 (DASHED LT, SOLID RT)
STA. A 47+00 - STA. A 51+25 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. A 45+75 - STA. A ~~46+00~~ 46+65 LT
STA. A 47+~~50~~ 28 - STA. A 51+~~00~~ 08 LT

BARRIER FENCE
STA. A 23+25 - STA. A 28+46 LT
STA. A 23+36 - STA. A 26+10 RT

EROSION LOG
STA. A 23+25 - STA. A 28+46 LT
STA. A 23+36 - STA. A 26+10 RT

STONE FILL, TYPE I
STA. A 46+70 - STA. A 47+30 RT
STA. A 47+00 - STA. A 47+25 LT

GRUBBING MATERIAL
STA. A 46+70 - STA. A 47+30 RT
STA. A 47+00 - STA. A 47+25 LT

GEOTEXTILE UNDER STONE FILL
STA. A 49+28 - STA. A 50+45 RT
STA. A 49+36 - STA. A 51+25 LT

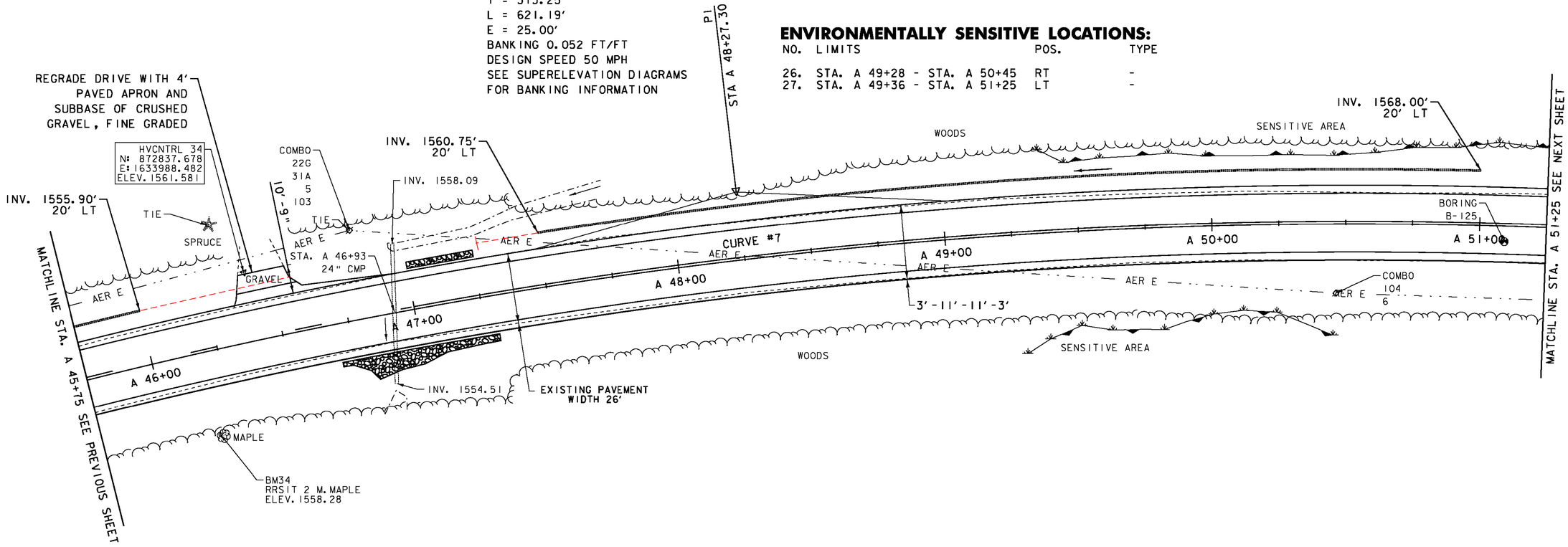
GEOTEXTILE FOR SILT FENCE
STA. A 49+28 - STA. A 50+45 RT
STA. A 49+36 - STA. A 51+25 LT

N
VT STATE PLANE GRID

CURVE #7
DELTA = 18°15'08"
D = 2°56'18"
R = 1950.00'
T = 313.25'
L = 621.19'
E = 25.00'
BANKING 0.052 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 26. | STA. A 49+28 - STA. A 50+45 | RT | - |
| 27. | STA. A 49+36 - STA. A 51+25 | LT | - |




SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

SCALE IN FEET
20 0 20

SEH
2-25-14

DATUM
NAVD 88
NAD 83

LEGEND
MAILBOX, BORING, SIGN, HYDRANT
MANHOLE, WATER SHUT OFF (WSO), GAS PIPELINE MARKER, CATCH BASIN / DROP INLET
CURB INLET, TRAFFIC CONTROL BOX, PARKING METER, UTILITY POLE

**PROJECT LAYOUT SHEET 45**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_66.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 66 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 45+75 - STA. A 51+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 45+75 - STA. A 47+00 (DASHED LT, SOLID RT)
STA. A 47+00 - STA. A 51+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 45+75 - STA. A 51+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 45+75 - STA. A 47+00 (DASHED LT, SOLID RT)
STA. A 47+00 - STA. A 51+25 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. A 45+75 - STA. A 46+00 LT
STA. A 47+50 - STA. A 51+00 LT

BARRIER FENCE
STA. A 23+25 - STA. A 28+46 LT
STA. A 23+36 - STA. A 26+10 RT

EROSION LOG
STA. A 23+25 - STA. A 28+46 LT
STA. A 23+36 - STA. A 26+10 RT

STONE FILL, TYPE I
STA. A 46+70 - STA. A 47+30 RT
STA. A 47+00 - STA. A 47+25 LT

GRUBBING MATERIAL
STA. A 46+70 - STA. A 47+30 RT
STA. A 47+00 - STA. A 47+25 LT

GEOTEXTILE UNDER STONE FILL
STA. A 49+28 - STA. A 50+45 RT
STA. A 49+36 - STA. A 51+25 LT

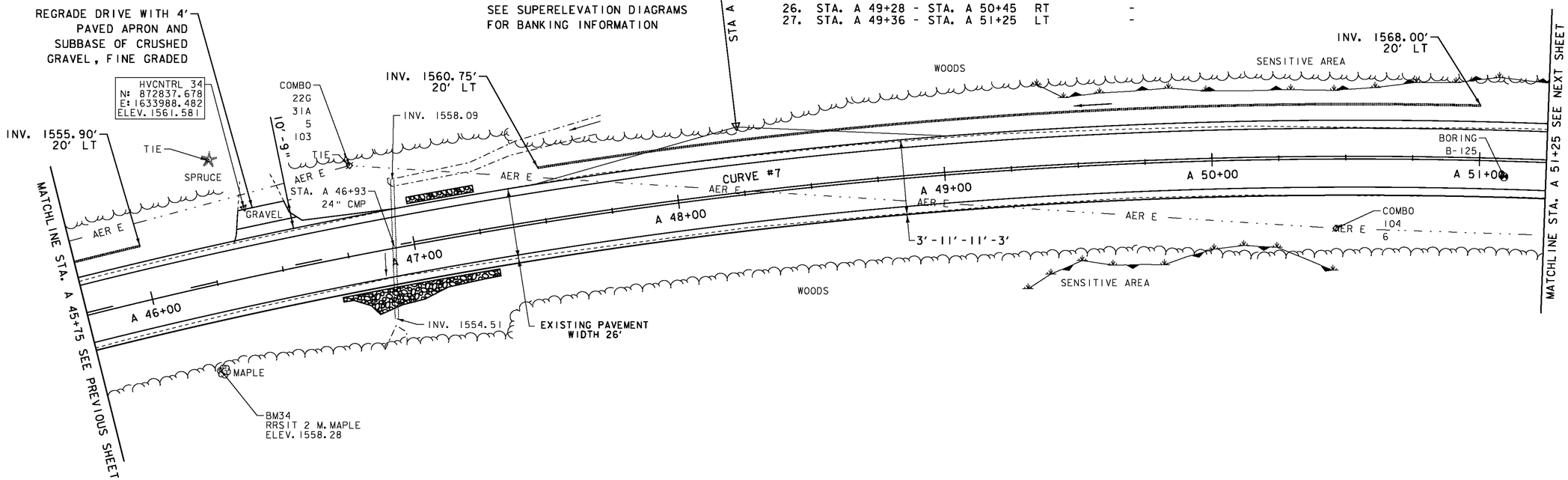
GEOTEXTILE FOR SILT FENCE
STA. A 49+28 - STA. A 50+45 RT
STA. A 49+36 - STA. A 51+25 LT

N
VT STATE PLANE GRID

CURVE #7
DELTA = 18° 15' 08"
D = 2° 56' 18"
R = 1950.00'
T = 313.25'
L = 621.19'
E = 25.00'
BANKING 0.052 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 26. | STA. A 49+28 - STA. A 50+45 | RT | - |
| 27. | STA. A 49+36 - STA. A 51+25 | LT | - |




DATUM
NAVD 88
NAD 83

LEGEND

| | | | |
|---|---|---|---|
| MAILBOX | MANHOLE | CURB INLET | |
| BORING | WATER SHUT OFF (WSO) | TRAFFIC CONTROL BOX | |
| SIGN | GAS PIPELINE MARKER | PARKING METER | |
| HYDRANT | CATCH BASIN / DROP INLET | UTILITY POLE | |

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 45**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_66.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 66 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 57+25 - STA. A 62+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 57+25 - STA. A 62+75 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. A 61+60 - STA. A 62+75 RT
STA. A 61+75 - STA. A 62+75 LT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 61+64 - STA. A 62+75 RT
STA. A 61+83 - STA. A 62+75 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 61+60 RT
STA. A 61+75 LT

GEOTEXTILE FOR SILT FENCE
STA. A 57+25 - STA. A 57+70 RT
STA. A 58+00 - STA. A 58+70 RT
STA. A 58+60 - STA. A 58+95 LT
STA. A 62+50 - STA. A 62+75 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 57+25 - STA. A 62+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 57+25 - STA. A 62+75 (SOLID LT & RT)

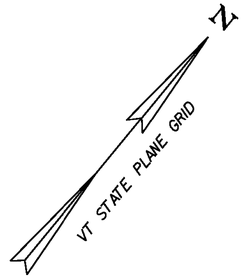
STONE FILL, TYPE I
STA. A 57+25 - STA. A 57+70 RT
STA. A 58+00 - STA. A 58+70 RT
STA. A 58+60 - STA. A 58+95 LT
STA. A 62+50 - STA. A 62+75 RT

GRUBBING MATERIAL
STA. A 57+25 - STA. A 57+70 RT
STA. A 58+00 - STA. A 58+70 RT
STA. A 58+60 - STA. A 58+95 LT
STA. A 62+50 - STA. A 62+75 RT

GEOTEXTILE UNDER STONE FILL
STA. A 57+25 - STA. A 57+70 RT
STA. A 58+00 - STA. A 58+70 RT
STA. A 58+60 - STA. A 58+95 LT
STA. A 62+50 - STA. A 62+75 RT

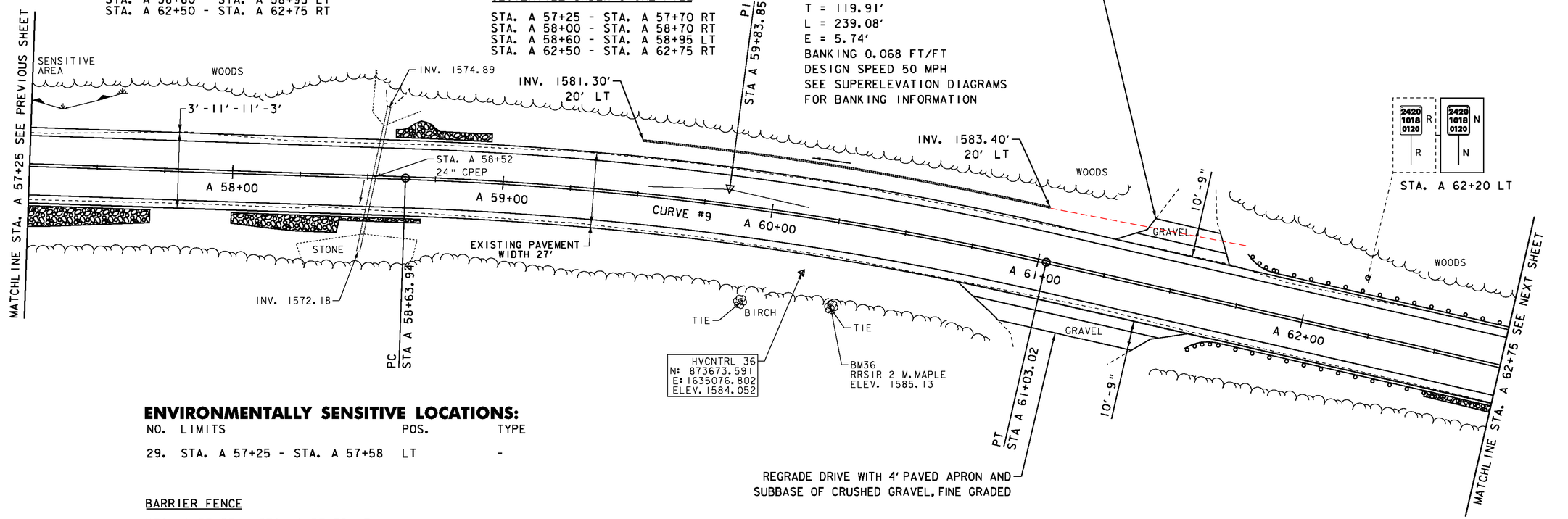
6 INCH UNDERDRAIN PIPE
STA. A 59+~~50~~ 47 - STA. A 61+~~00~~ 77 LT

REMOVING SIGNS
AS SHOWN - 1




REGRADE DRIVE WITH 4' PAVED APRON AND SUBBASE OF CRUSHED GRAVEL, FINE GRADED

CURVE #9
DELTA = 10°57'32"
D = 4°35'01"
R = 1250.00'
T = 119.91'
L = 239.08'
E = 5.74'
BANKING 0.068 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS FOR BANKING INFORMATION




## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 29. | STA. A 57+25 - STA. A 57+58 | LT | - |

BARRIER FENCE
STA. A 57+25 - STA. A 57+58 LT

EROSION LOG
STA. A 57+25 - STA. A 57+58 LT

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 47**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_68.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 68 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 62+75 - STA. A 68+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 62+75 - STA. A 68+25 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. ~~A 63+50~~ - STA. A 65+75 LT
A 63+00

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. A 62+75 - STA. ~~A 63+50 LT~~ A 63+00 LT
STA. A 62+75 - STA. A 66+10 RT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 62+75 - STA. A 65+76 LT
STA. A 62+75 - STA. A 66+10 RT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 66+10 RT
STA. A 65+75 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 62+75 - STA. A 68+25 (SOLID LT & RT)

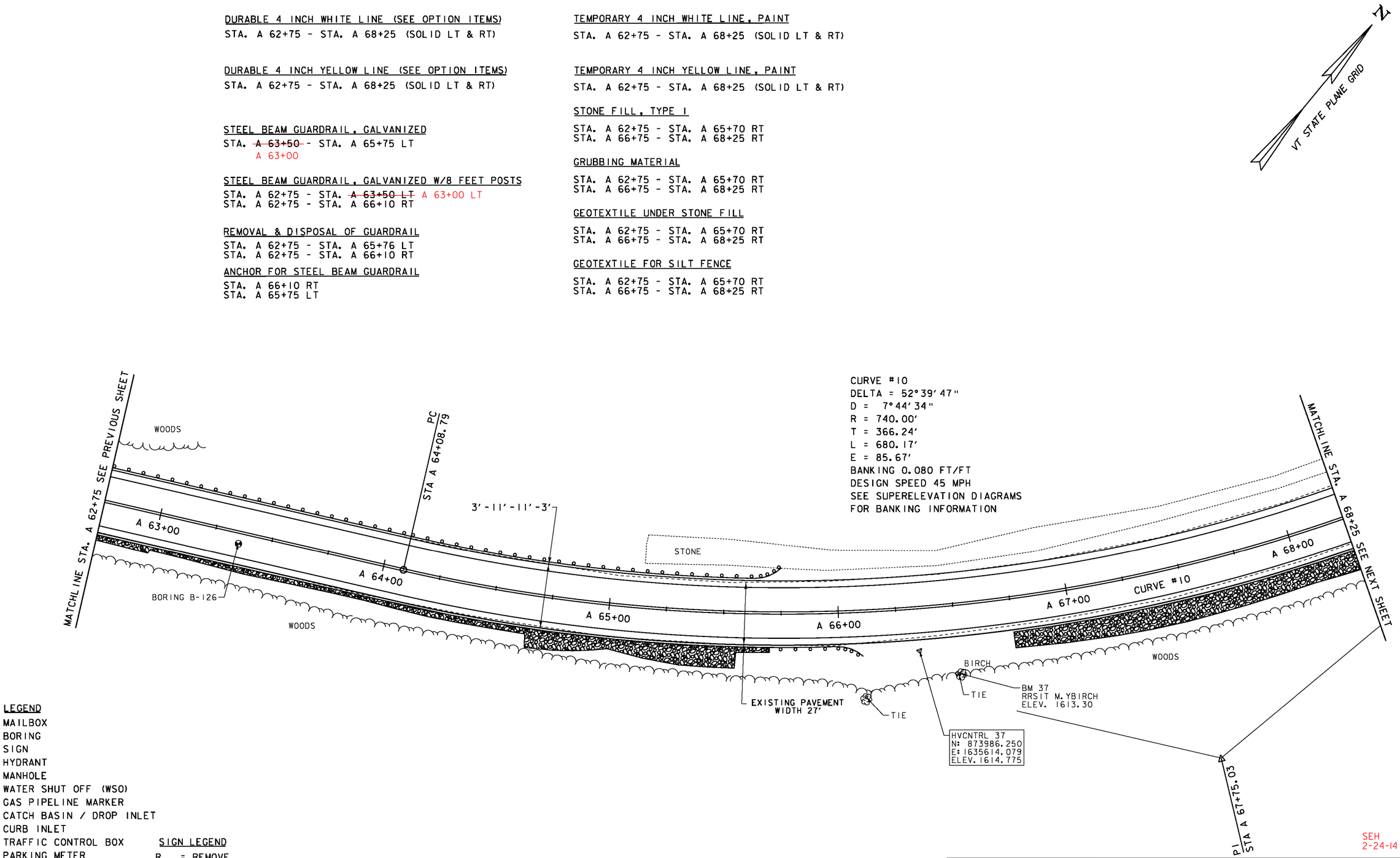
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 62+75 - STA. A 68+25 (SOLID LT & RT)

STONE FILL, TYPE I
STA. A 62+75 - STA. A 65+70 RT
STA. A 66+75 - STA. A 68+25 RT

GRUBBING MATERIAL
STA. A 62+75 - STA. A 65+70 RT
STA. A 66+75 - STA. A 68+25 RT

GEOTEXTILE UNDER STONE FILL
STA. A 62+75 - STA. A 65+70 RT
STA. A 66+75 - STA. A 68+25 RT

GEOTEXTILE FOR SILT FENCE
STA. A 62+75 - STA. A 65+70 RT
STA. A 66+75 - STA. A 68+25 RT




CURVE #10
DELTA = 52°39'47"
D = 7°44'34"
R = 740.00'
T = 366.24'
L = 680.17'
E = 85.67'
BANKING 0.080 FT/FT
DESIGN SPEED 45 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

SEH
2-24-14

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
--- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 48**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_69.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 69 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 68+25 - STA. A 73+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 68+25 - STA. A 73+25 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED ~~W/8 FEET POSTS~~
STA. A 72+85 - STA. A 73+25 RT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 72+83 - STA. A 73+25 RT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 72+85 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 68+25 - STA. A 73+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 68+25 - STA. A 73+25 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. A 68+~~50~~ 48 - STA. A ~~73+25~~ 69+68 LT

STONE FILL, TYPE I
STA. A 68+25 - STA. A 69+95 RT
STA. A 70+75 - STA. A 71+20 RT

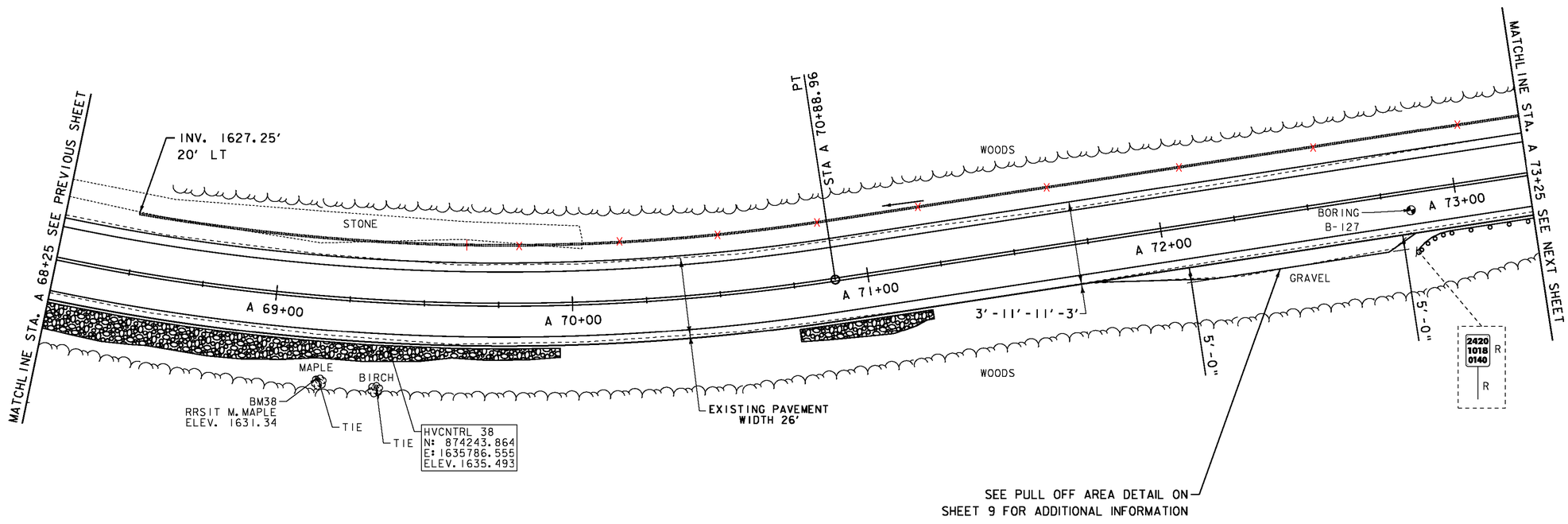
GRUBBING MATERIAL
STA. A 68+25 - STA. A 69+95 RT
STA. A 70+75 - STA. A 71+20 RT

GEOTEXTILE UNDER STONE FILL
STA. A 68+25 - STA. A 69+95 RT
STA. A 70+75 - STA. A 71+20 RT

GEOTEXTILE FOR SILT FENCE
STA. A 68+25 - STA. A 69+95 RT
STA. A 70+75 - STA. A 71+20 RT

REMOVING SIGNS
AS SHOWN - 1

N
VT STATE PLANE GRID




LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 49**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_70.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 70 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 73+25 - STA. A 77+99 RT
STA. A 73+64 - STA. A 79+25 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 73+65 LT
STA. A 78+10 RT

~~6 INCH UNDERDRAIN PIPE~~
~~STA. A 73+25 - STA. A 73+50 LT~~

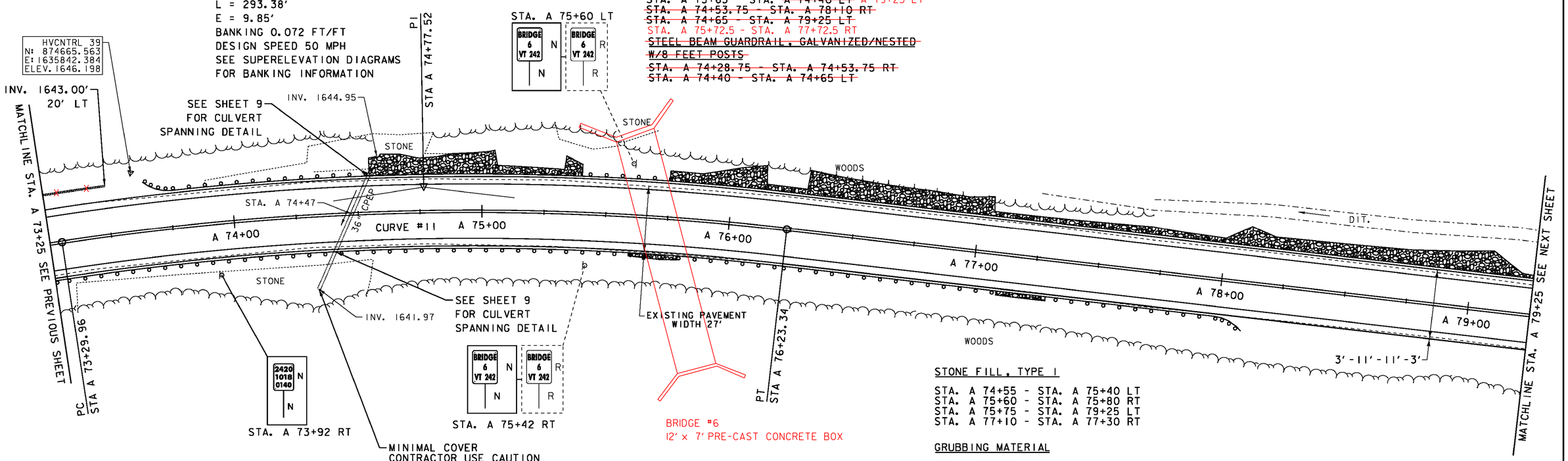
REMOVING SIGNS
AS SHOWN - 2

VT STATE PLANE GRID

STEEL BEAM GUARDRAIL, GALVANIZED
STA. A 73+25 - STA. A 75+72.5 RT
STA. A 77+72.5 - STA. A 78+10 RT

CURVE #11
DELTA = 15°16'53"
D = 5°12'31"
R = 1100.00'
T = 147.57'
L = 293.38'
E = 9.85'
BANKING 0.072 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
~~STA. A 73+25 - STA. A 74+28.75 RT~~
STA. A 73+65 - STA. ~~A 74+40 LT~~ A 79+25 LT
~~STA. A 74+53.75 - STA. A 78+10 RT~~
~~STA. A 74+65 - STA. A 79+25 LT~~
STA. A 75+72.5 - STA. A 77+72.5 RT
~~STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS~~
~~STA. A 74+28.75 - STA. A 74+53.75 RT~~
~~STA. A 74+40 - STA. A 74+65 LT~~




BRIDGE #6
12' x 7' PRE-CAST CONCRETE BOX

STONE FILL, TYPE I
STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

GRUBBING MATERIAL
STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

GEOTEXTILE UNDER STONE FILL
STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

GEOTEXTILE FOR SILT FENCE
STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 50**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_71.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 71 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 73+25 - STA. A 79+25 (SOLID LT & RT)

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 73+25 - STA. A 77+99 RT
STA. A 73+64 - STA. A 79+25 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 73+65 LT
STA. A 78+10 RT

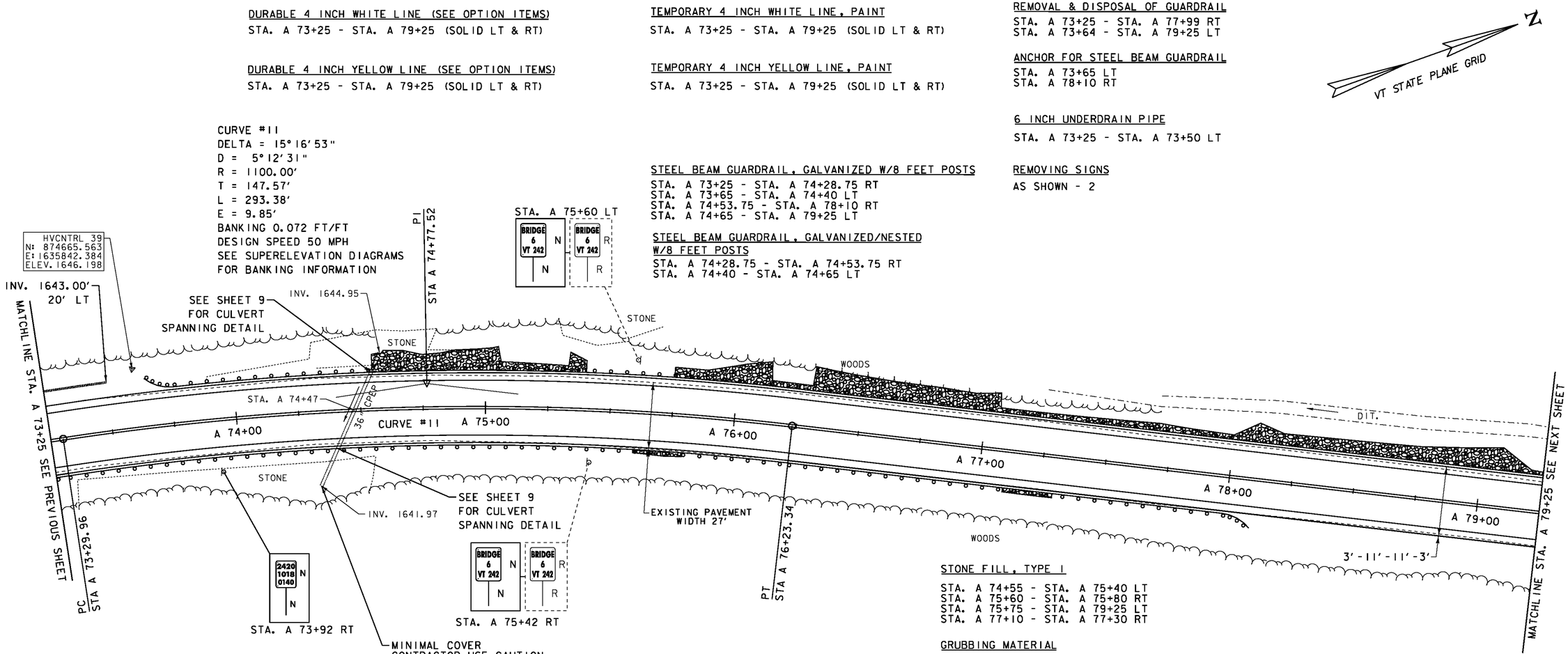
6 INCH UNDERDRAIN PIPE
STA. A 73+25 - STA. A 73+50 LT

REMOVING SIGNS
AS SHOWN - 2

CURVE #11
DELTA = 15°16'53"
D = 5°12'31"
R = 1100.00'
T = 147.57'
L = 293.38'
E = 9.85'
BANKING 0.072 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. A 73+25 - STA. A 74+28.75 RT
STA. A 73+65 - STA. A 74+40 LT
STA. A 74+53.75 - STA. A 78+10 RT
STA. A 74+65 - STA. A 79+25 LT

STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS
STA. A 74+28.75 - STA. A 74+53.75 RT
STA. A 74+40 - STA. A 74+65 LT




STONE FILL, TYPE I

STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

GRUBBING MATERIAL

STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

GEOTEXTILE UNDER STONE FILL

STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

GEOTEXTILE FOR SILT FENCE

STA. A 74+55 - STA. A 75+40 LT
STA. A 75+60 - STA. A 75+80 RT
STA. A 75+75 - STA. A 79+25 LT
STA. A 77+10 - STA. A 77+30 RT

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 50**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_71.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 71 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 79+25 - STA. A 84+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 79+25 - STA. A 84+75 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. A 79+25 - STA. A 80+90 LT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 79+25 - STA. A 80+83 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 80+90 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 79+25 - STA. A 84+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 79+25 - STA. A 84+75 (SOLID LT & RT)

BARRIER FENCE
STA. A 81+08 - STA. A 84+34 LT
STA. A 81+16 - STA. A 83+72 RT

EROSION LOG
STA. A 81+08 - STA. A 84+34 LT
STA. A 81+16 - STA. A 83+72 RT

STONE FILL, TYPE I
STA. A 79+25 - STA. A 80+30 LT
STA. A 81+80 - STA. A 84+75 RT

GRUBBING MATERIAL
STA. A 79+25 - STA. A 80+30 LT
STA. A 81+80 - STA. A 84+75 RT

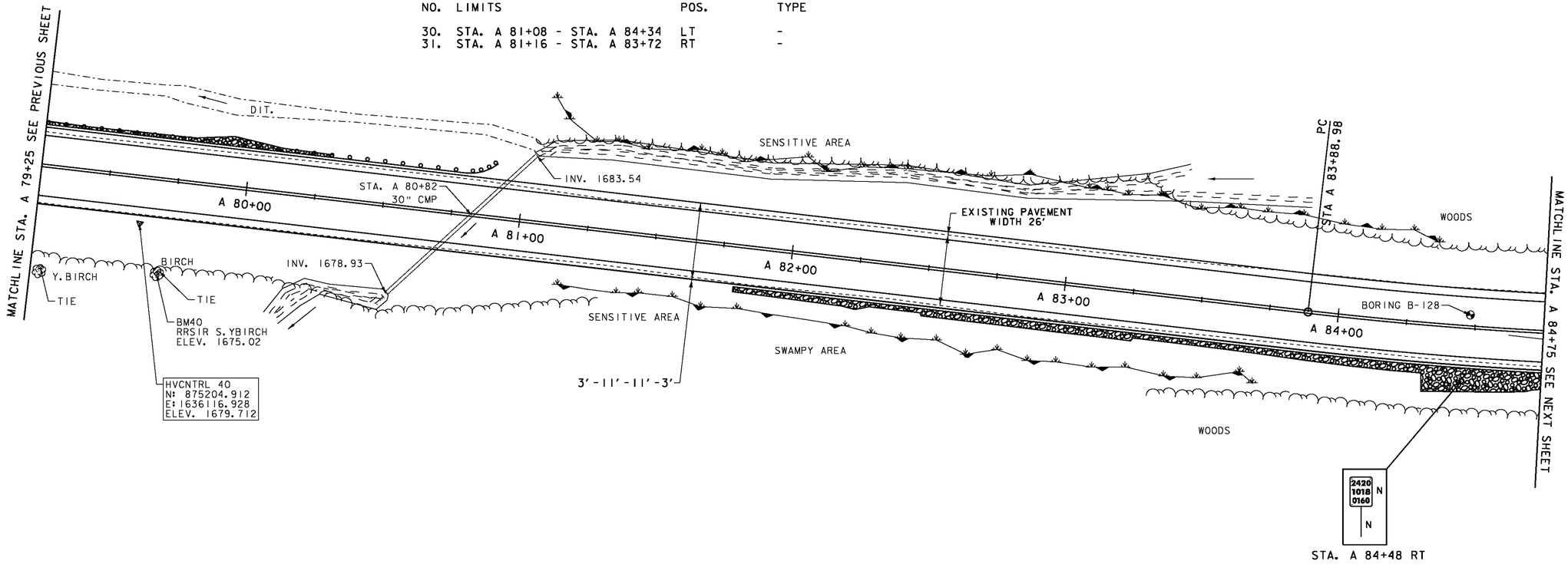
GEOTEXTILE UNDER STONE FILL
STA. A 79+25 - STA. A 80+30 LT
STA. A 81+80 - STA. A 84+75 RT

GEOTEXTILE FOR SILT FENCE
STA. A 79+25 - STA. A 80+30 LT
STA. A 81+80 - STA. A 84+75 RT

N
VT STATE PLANE GRID

## ENVIRONMENTALLY SENSITIVE LOCATIONS:

| NO. | LIMITS | POS. | TYPE |
|---|---|---|---|
| 30. | STA. A 81+08 - STA. A 84+34 | LT | - |
| 31. | STA. A 81+16 - STA. A 83+72 | RT | - |




SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

LEGEND
MAILBOX, BORING, SIGN, HYDRANT, MANHOLE, WATER SHUT OFF (WSO), GAS PIPELINE MARKER, CATCH BASIN / DROP INLET, CURB INLET, TRAFFIC CONTROL BOX, PARKING METER, UTILITY POLE

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 51**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_72.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 72 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 84+75 - STA. A 90+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 84+75 - STA. A 90+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 84+75 - STA. A 90+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 84+75 - STA. A 90+50 (SOLID LT & RT)

STONE FILL, TYPE I

STA. A 84+75 - STA. A 85+10 RT
STA. A 85+60 - STA. A 86+65 RT
STA. A 88+80 - STA. A 90+50 LT

GRUBBING MATERIAL

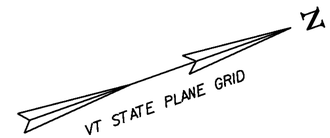
STA. A 84+75 - STA. A 85+10 RT
STA. A 85+60 - STA. A 86+65 RT
STA. A 88+80 - STA. A 90+50 LT

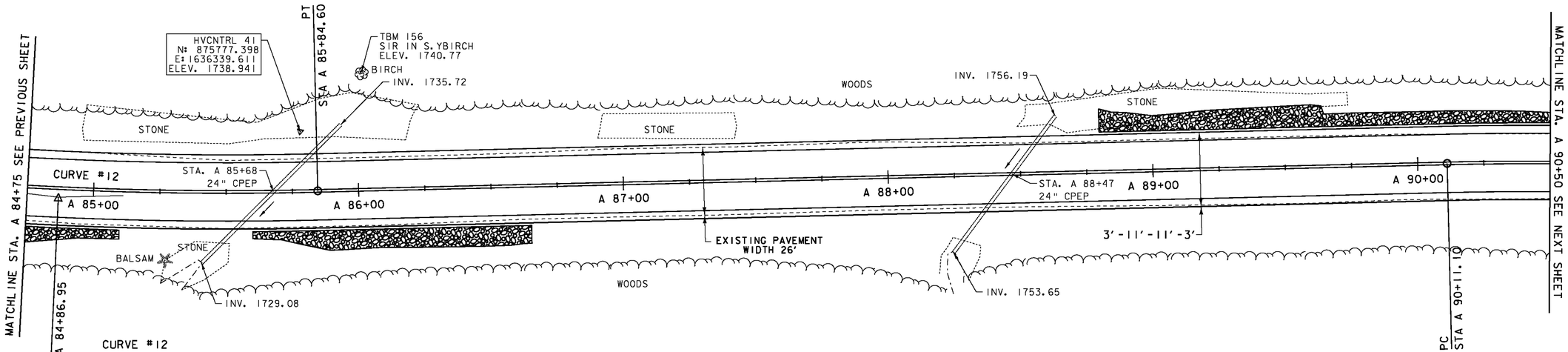
GEOTEXTILE UNDER STONE FILL

STA. A 84+75 - STA. A 85+10 RT
STA. A 85+60 - STA. A 86+65 RT
STA. A 88+80 - STA. A 90+50 LT

GEOTEXTILE FOR SILT FENCE

STA. A 84+75 - STA. A 85+10 RT
STA. A 85+60 - STA. A 86+65 RT
STA. A 88+80 - STA. A 90+50 LT




CURVE #12
DELTA = 8°00'21"
D = 4°05'33"
R = 1400.00'
T = 97.97'
L = 195.62'
E = 3.42'
BANKING 0.064 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND

R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 52**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_73.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 73 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 96+25 - STA. A 101+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 96+25 - STA. A 101+75 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. A 100+35 - STA. ~~A 101+75 LT~~ A 101+22.5 LT
STA. A 98+25 - STA. A 99+50 RT
STA. A 100+12.5 - STA. A 101+00 RT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 100+35 - STA. A 101+75 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 100+35 LT

STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FOOT POSTS
STA. A 101+22.5 - STA. A 101+75 LT
STA. A 99+50 - STA. A 100+12.5 RT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 96+25 - STA. A 101+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 96+25 - STA. A 101+75 (SOLID LT & RT)

STONE FILL, TYPE I
STA. A 98+75 - STA. A 99+00 RT
STA. A 101+30 - STA. A 101+75 LT

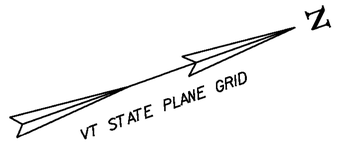
GRUBBING MATERIAL
STA. A 98+75 - STA. A 99+00 RT
STA. A 101+30 - STA. A 101+75 LT

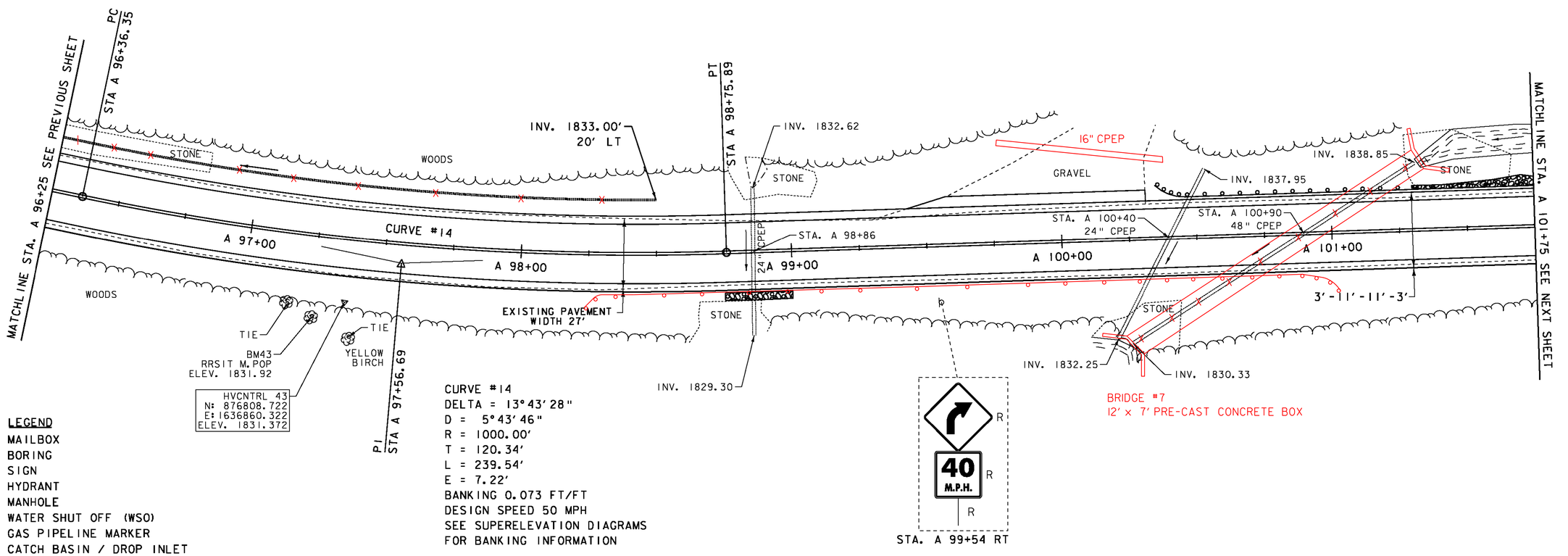
GEOTEXTILE UNDER STONE FILL
STA. A 98+75 - STA. A 99+00 RT
STA. A 101+30 - STA. A 101+75 LT

GEOTEXTILE FOR SILT FENCE
STA. A 98+75 - STA. A 99+00 RT
STA. A 101+30 - STA. A 101+75 LT

6 INCH UNDERDRAIN PIPE
STA. A 96+25 - STA. A ~~98+50~~ 96+30 LT

REMOVING SIGNS
AS SHOWN - 2




CURVE #14
DELTA = 13°43'28"
D = 5°43'46"
R = 1000.00'
T = 120.34'
L = 239.54'
E = 7.22'
BANKING 0.073 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 54**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_75.I
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 75 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. ~~A 101+75~~ - STA. A 102+85 LT
A 102+60

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 101+75 - STA. A 102+84 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 102+85 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FOOT POSTS
STA. A 101+75 - STA. A 102+60 LT

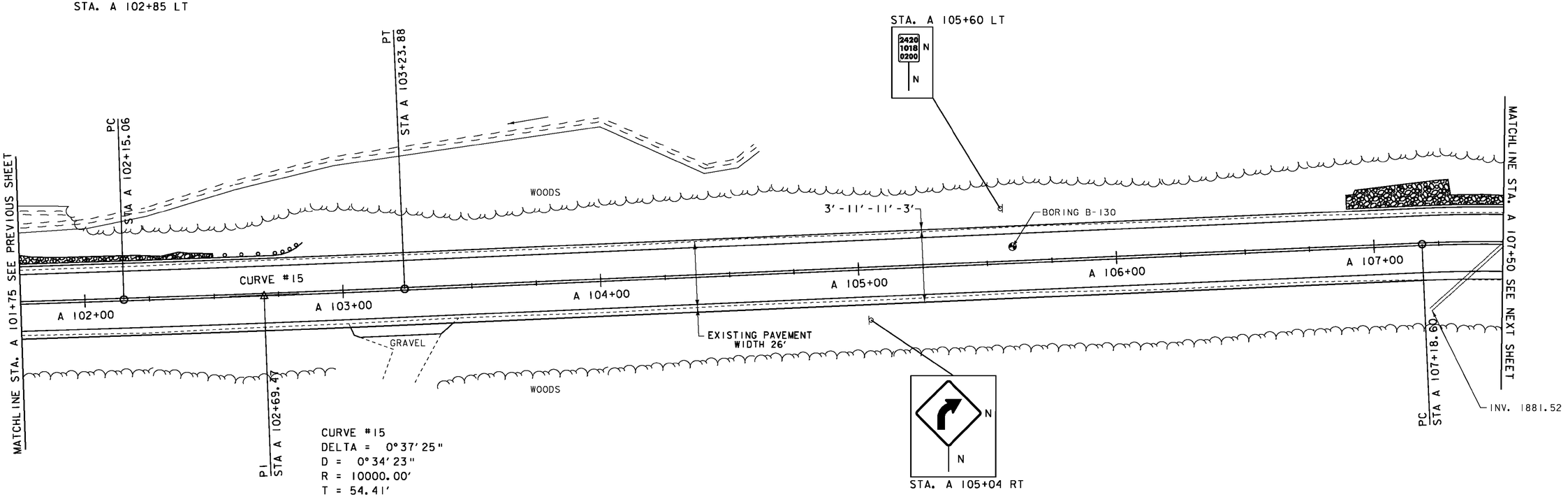
STONE FILL, TYPE I
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT

GRUBBING MATERIAL
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT

GEOTEXTILE UNDER STONE FILL
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT

GEOTEXTILE FOR SILT FENCE
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT

VT STATE PLANE GRID




CURVE #15
DELTA = 0°37'25"
D = 0°34'23"
R = 10000.00'
T = 54.41'
L = 108.82'
E = 0.15'
BANKING NORMAL CROWN
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 55**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_76.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 76 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. A 101+75 - STA. A 102+85 LT

REMOVAL & DISPOSAL OF GUARDRAIL
STA. A 101+75 - STA. A 102+84 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
STA. A 102+85 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

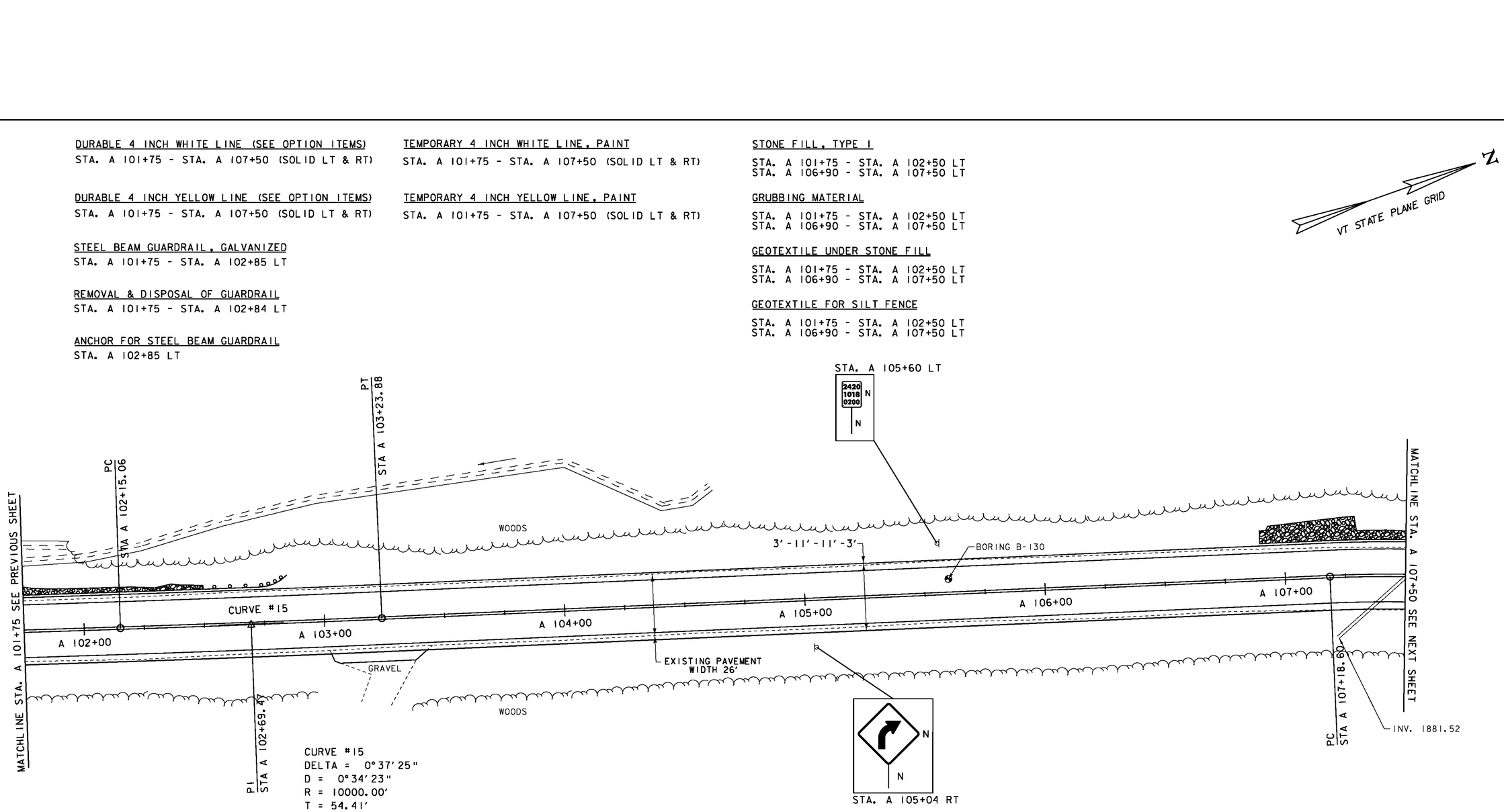
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 101+75 - STA. A 107+50 (SOLID LT & RT)

STONE FILL, TYPE I
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT

GRUBBING MATERIAL
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT

GEOTEXTILE UNDER STONE FILL
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT

GEOTEXTILE FOR SILT FENCE
STA. A 101+75 - STA. A 102+50 LT
STA. A 106+90 - STA. A 107+50 LT




CURVE #15
DELTA = 0°37'25"
D = 0°34'23"
R = 10000.00'
T = 54.41'
L = 108.82'
E = 0.15'
BANKING NORMAL CROWN
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 55**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_76.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 76 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 107+50 - STA. A 113+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 107+50 - STA. A 113+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 107+50 - STA. A 113+25 (SOLID LT & RT)

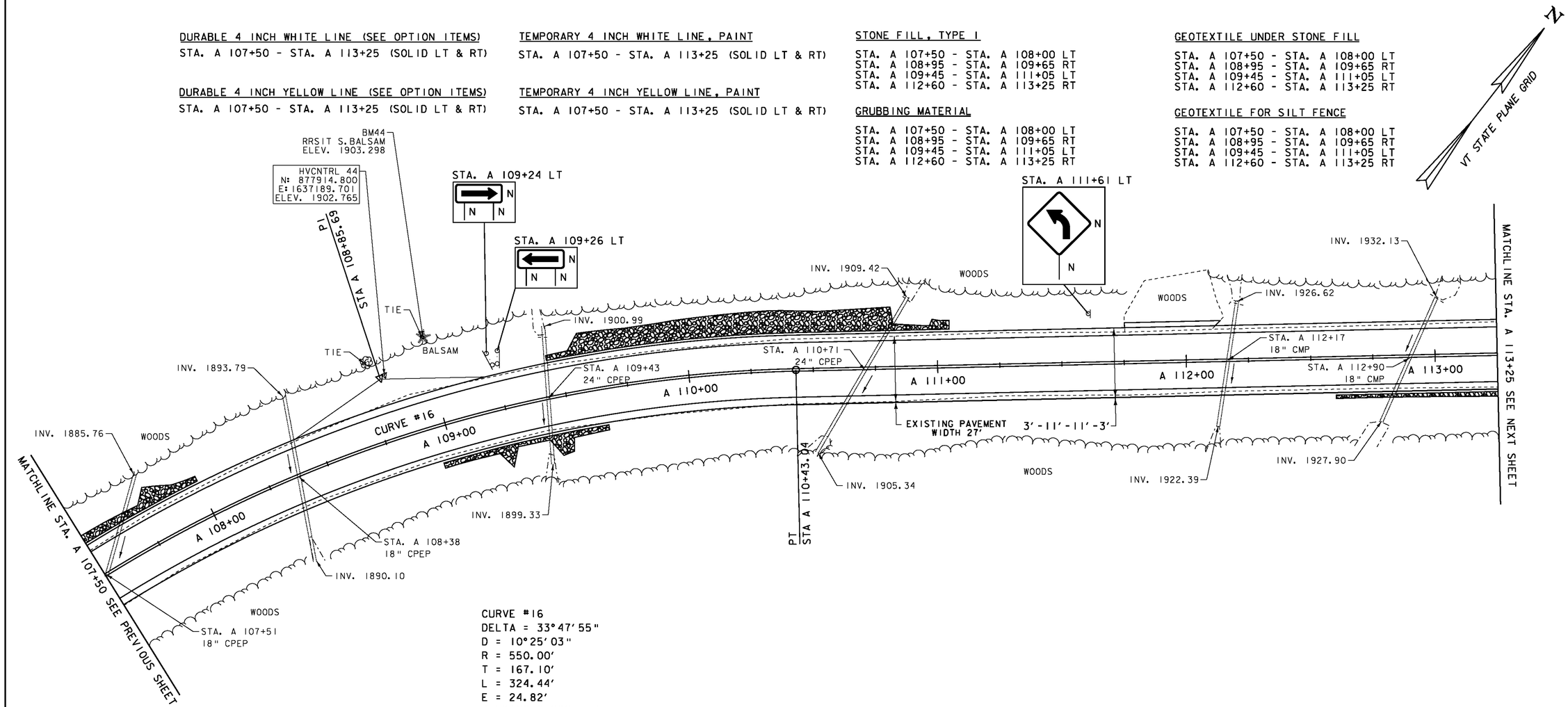
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 107+50 - STA. A 113+25 (SOLID LT & RT)

STONE FILL, TYPE I
STA. A 107+50 - STA. A 108+00 LT
STA. A 108+95 - STA. A 109+65 RT
STA. A 109+45 - STA. A 111+05 LT
STA. A 112+60 - STA. A 113+25 RT

GRUBBING MATERIAL
STA. A 107+50 - STA. A 108+00 LT
STA. A 108+95 - STA. A 109+65 RT
STA. A 109+45 - STA. A 111+05 LT
STA. A 112+60 - STA. A 113+25 RT

GEOTEXTILE UNDER STONE FILL
STA. A 107+50 - STA. A 108+00 LT
STA. A 108+95 - STA. A 109+65 RT
STA. A 109+45 - STA. A 111+05 LT
STA. A 112+60 - STA. A 113+25 RT

GEOTEXTILE FOR SILT FENCE
STA. A 107+50 - STA. A 108+00 LT
STA. A 108+95 - STA. A 109+65 RT
STA. A 109+45 - STA. A 111+05 LT
STA. A 112+60 - STA. A 113+25 RT




CURVE #16
DELTA = 33°47'55"
D = 10°25'03"
R = 550.00'
T = 167.10'
L = 324.44'
E = 24.82'
BANKING 0.080 FT/FT
DESIGN SPEED 40 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 56**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_77.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 77 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 119+25 - STA. A 124+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 119+25 - STA. A 124+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 119+25 - STA. A 124+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 119+25 - STA. A 124+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. A 122+~~00~~ 03 - STA. A 124+75 LT

STONE FILL, TYPE I
STA. A 119+95 - STA. A 121+30 LT
STA. A 121+20 - STA. A 122+40 RT

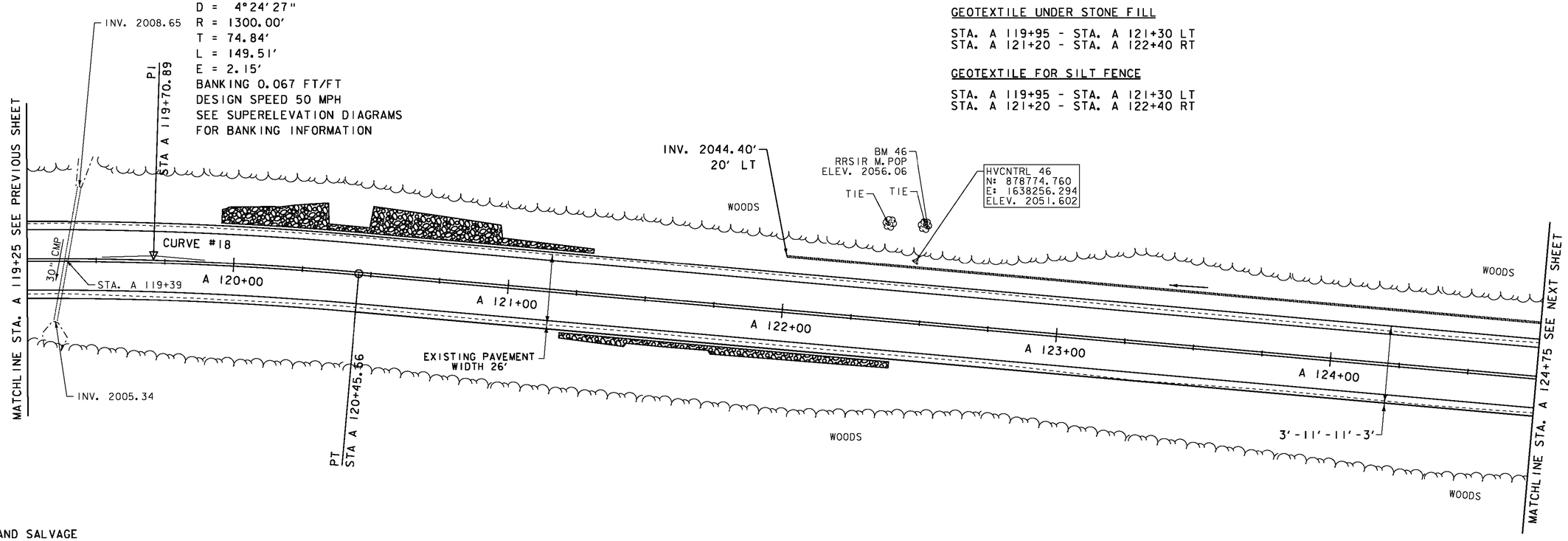
GRUBBING MATERIAL
STA. A 119+95 - STA. A 121+30 LT
STA. A 121+20 - STA. A 122+40 RT

GEOTEXTILE UNDER STONE FILL
STA. A 119+95 - STA. A 121+30 LT
STA. A 121+20 - STA. A 122+40 RT

GEOTEXTILE FOR SILT FENCE
STA. A 119+95 - STA. A 121+30 LT
STA. A 121+20 - STA. A 122+40 RT

N
VT STATE PLANE GRID

CURVE #18
DELTA = 6°35'22"
D = 4°24'27"
R = 1300.00'
T = 74.84'
L = 149.51'
E = 2.15'
BANKING 0.067 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION




SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

LEGEND
MAILBOX
BORING
SIGN
HYDRANT
MANHOLE
WATER SHUT OFF (WSO)
GAS PIPELINE MARKER
CATCH BASIN / DROP INLET
CURB INLET
TRAFFIC CONTROL BOX
PARKING METER
UTILITY POLE

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 58**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_79.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 79 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 124+75 - STA. A 130+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 124+75 - STA. A 130+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 124+75 - STA. A 130+75 (SOLID LT & RT)

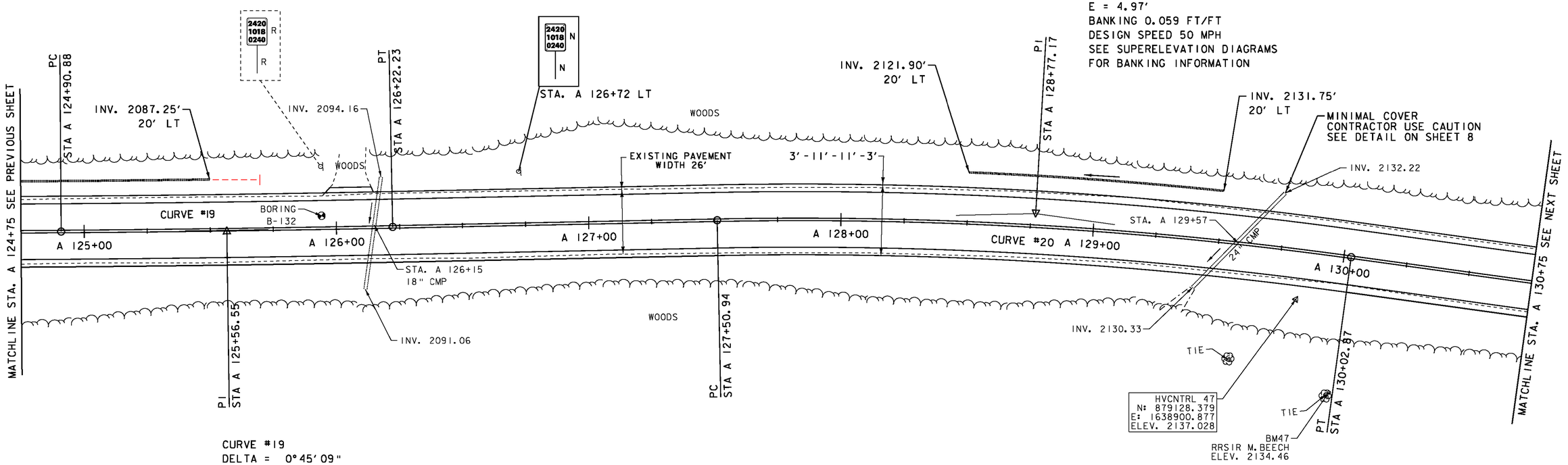
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 124+75 - STA. A 130+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. A 124+75 - STA. A 125+~~50~~ 73 LT
STA. A 128+50 - STA. A 129+50 LT

REMOVING SIGNS
AS SHOWN - 1

N
VT STATE PLANE GRID

CURVE #20
DELTA = 9°01'18"
D = 3°34'52"
R = 1600.00'
T = 126.23'
L = 251.93'
E = 4.97'
BANKING 0.059 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION




CURVE #19
DELTA = 0°45'09"
D = 0°34'23"
R = 10000.00'
T = 65.68'
L = 131.35'
E = 0.22'
BANKING NORMAL CROWN
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 59**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_80.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 80 OF 178

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 130+75 - STA. A 136+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 130+75 - STA. A 136+75 (SOLID LT & RT)

6 INCH UNDERDRAIN PIPE
STA. A 133+~~50~~ 72 - STA. A 136+~~50~~ 40 LT

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 130+75 - STA. A 136+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 130+75 - STA. A 136+75 (SOLID LT & RT)

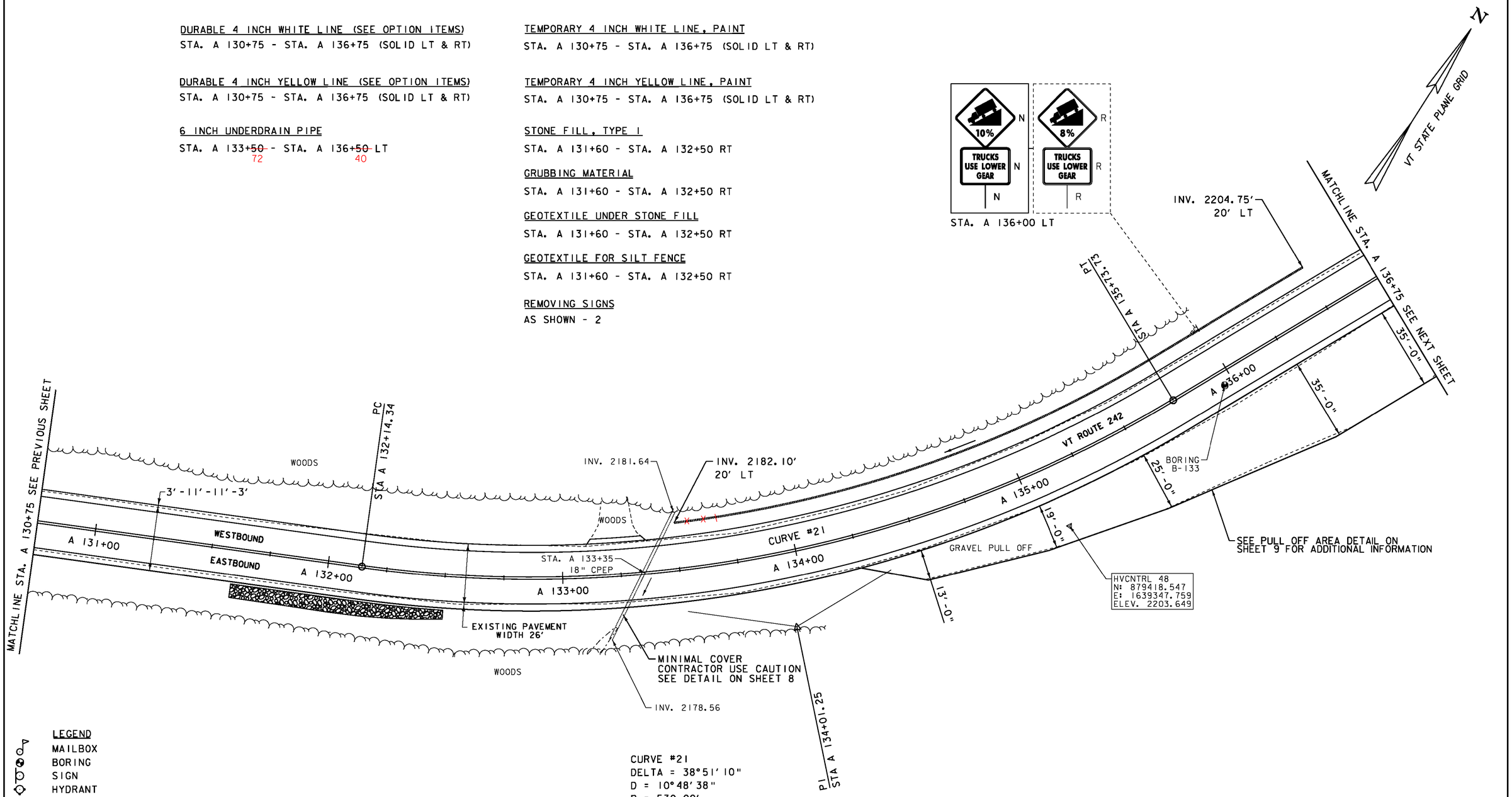
STONE FILL, TYPE I
STA. A 131+60 - STA. A 132+50 RT

GRUBBING MATERIAL
STA. A 131+60 - STA. A 132+50 RT

GEOTEXTILE UNDER STONE FILL
STA. A 131+60 - STA. A 132+50 RT

GEOTEXTILE FOR SILT FENCE
STA. A 131+60 - STA. A 132+50 RT

REMOVING SIGNS
AS SHOWN - 2




CURVE #21
DELTA = 38°51'10"
D = 10°48'38"
R = 530.00'
T = 186.92'
L = 359.40'
E = 31.99'
BANKING 0.080 FT/FT
DESIGN SPEED 50 MPH
SEE SUPERELEVATION DIAGRAMS
FOR BANKING INFORMATION

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
- R = REMOVE
- R&S = REMOVE AND SALVAGE
- RET = RETAIN
- S = SALVAGED
- N = NEW
- B-B = BACK TO BACK
- ---- = EXISTING
- —— = NEW

DATUM
NAVD 88
NAD 83

SCALE IN FEET
20 0 20

SEH
2-24-14

**PROJECT LAYOUT SHEET 60**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_81A.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 81A OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 1

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 | 2.0 | 2.5 | 1.88 | 2.42 | 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 | 4.0 | 4.0 MOD | 1.3 | 1.7 | 1.7 | TUBULAR STEEL Ø (in) FOUNDATION | lb/ft 3.0 | 3.5 | 4.0 | 5.0 | 7.6 | 9.0 | 10.8 | 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN REFRAME REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 0+53 LT MONTGOMERY | Montgomery 2 | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | VD1-1A GREEN ON WHITE | | 98B | |
| | Jay Peak Jct. 8 11 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD1-1A GREEN ON WHITE | | 98B | |
| | NORTH EAST | 1<br>1 | 24<br>24 | 12<br>12 | 2.00<br>2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *2B | M3-1 GREEN ON WHITE<br>SIGN FRAME REQUIRED<br>M3-2 GREEN ON WHITE | SHSM<br><br>SHSM | | |
| | VERMONT 118 VERMONT 242 | 1<br>1 | 30<br>30 | 24<br>24 | 5.00<br>5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 GREEN ON WHITE<br>M1-5 GREEN ON WHITE | | | E-136B<br>E-136B |
| | | 1<br>1 | 21<br>21 | 15<br>15 | 2.19<br>2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2L GREEN ON WHITE<br>M6-2R GREEN ON WHITE | SHSM<br>SHSM | | |
| STA. 0+54 RT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | R1-1 | SHSM | | |
| STA. 0+59 LT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | R1-1 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEH 2-24-14 |
| | | | | | | | | | | | | LF | LF | LF | LF | LF 30 | LF | | EA. | LB | LB | LB | | LB 293 | LB | LB | LB | | | | | | | | | | | | | | | |
| | **TOTALS** | | | | SF 42.88 | SF | EA. - | SF | | | | LF | | | LF 30 | | | | | | LB | | | EA. 2 | LB 293 | | | | EA. | EA. | LB | | | | | | | | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_82.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 82 OF 178

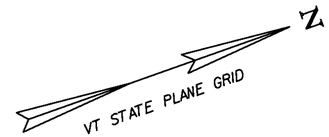
DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. A 136+75 - STA. A 138+65.00 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. A 136+75 - STA. A 138+65.00 (SOLID LT & RT)

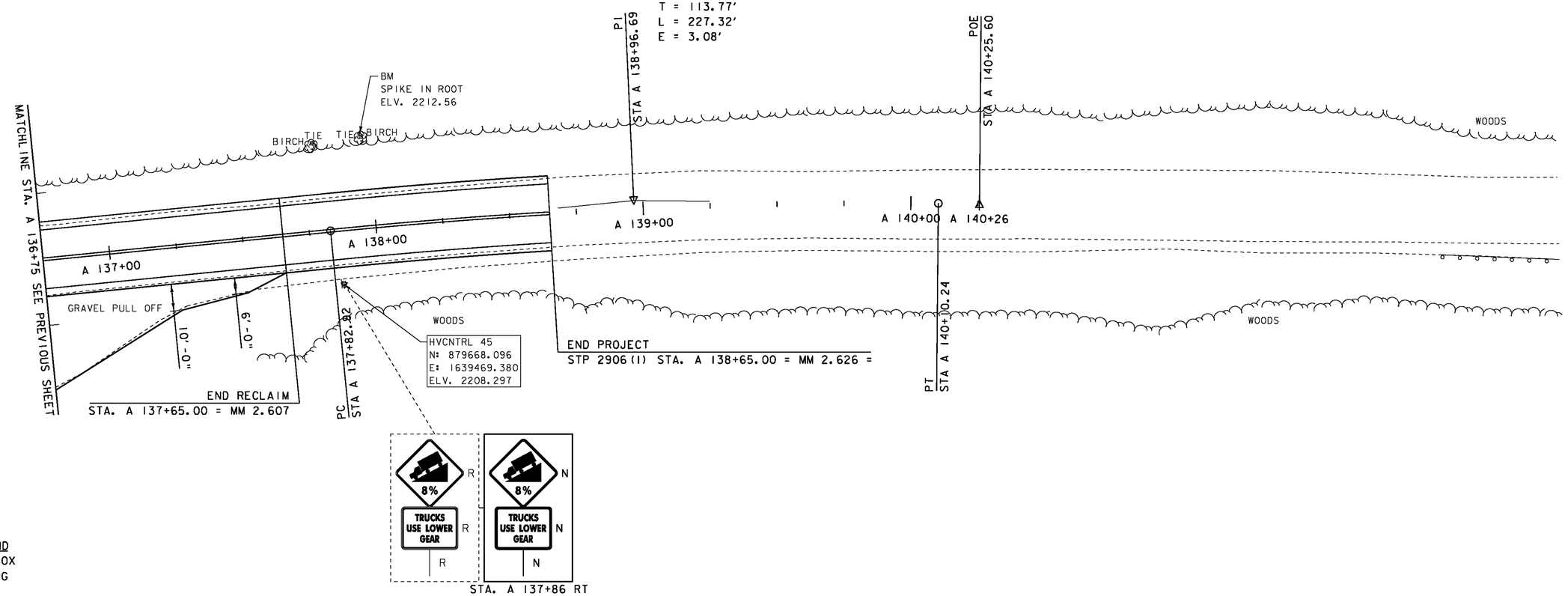
REMOVING SIGNS
AS SHOWN - 2

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. A 136+75 - STA. A 138+65.00 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. A 136+75 - STA. A 138+65.00 (SOLID LT & RT)




CURVE #22
DELTA = 6°12'08"
D = 2°43'42"
R = 2100.00'
T = 113.77'
L = 227.32'
E = 3.08'






STA. A 137+86 RT

LEGEND
- MAILBOX
- BORING
- SIGN
- HYDRANT
- MANHOLE
- WATER SHUT OFF (WSO)
- GAS PIPELINE MARKER
- CATCH BASIN / DROP INLET
- CURB INLET
- TRAFFIC CONTROL BOX
- PARKING METER
- UTILITY POLE

SIGN LEGEND
R = REMOVE
R&S = REMOVE AND SALVAGE
RET = RETAIN
S = SALVAGED
N = NEW
B-B = BACK TO BACK
---- = EXISTING
—— = NEW

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83

SCALE IN FEET
20 0 20

**PROJECT LAYOUT SHEET 61**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_81B.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 81B OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 1

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) 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 | REQUIRED SIGN? | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 0+53 LT MONTGOMERY | Montgomery 2 | 1 | 72 | 12 | 6.00 | | | | | | 2 | | | | | | | | | | | | X | X | | | | | | | | VD1-1A GREEN ON WHITE | | 98B | |
| | Jay Peak Ski Area 11 | 1 | 72 | 12 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | VD1-1A GREEN ON WHITE | | 98B | |
| | NORTH EAST | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | *2B | M3-1 GREEN ON WHITE<br>SIGN FRAME REQUIRED | SHSM | | |
| | | 1 | 24 | 12 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M3-2 GREEN ON WHITE | SHSM | | |
| | VERMONT 118 VERMONT 242 | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 GREEN ON WHITE | | | E-136B |
| | | 1 | 30 | 24 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | M1-5 GREEN ON WHITE | | | E-136B |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2L GREEN ON WHITE | SHSM | | |
| | | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | M6-2R GREEN ON WHITE | SHSM | | |
| STA. 0+54 RT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | R1-1 | SHSM | | |
| STA. 0+59 LT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | R1-1 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | LF | LF | LF | LF | LF 30 | LF | | EA. | LB | LB | LB | | LB 293 | LB | LB | LB | | | | | | | | |
| **TOTALS** | | | SF 42.88 | SF | EA. - | SF | | | | | | LF | | | LF 30 | | | | | LB | | | EA. 2 | LB 293 | | | | EA. | EA. | LB | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 1**

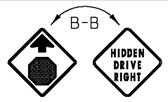
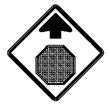
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_82.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 82 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 2

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0 MOD 1.7 | FOUNDATION | TUBULAR STEEL Ø (in) lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 1+83 RT MONTGOMERY |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | | W11-8 | SHSM | | |
| STA. 4+97 RT MONTGOMERY |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | | R1-1 | SHSM | | |
| STA. 5+62 RT MONTGOMERY |  | 1<br>1 | 30<br>30 | 30<br>30 | 6.25<br>6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | | W3-1<br>VW-054 | SHSM | | <br>E-154 |
| STA. 5+62 LT MONTGOMERY |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | | W3-1 | SHSM | | |
| STA. 7+05 LT MONTGOMERY |  | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 7+40 RT MONTGOMERY |  | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | | R2-1 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE." | | | | | | | | | | | | LF | LF | LF | LF | LF 105 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| **TOTALS** | | SF 42.00 | | | SF | | EA. - | | SF | | | LF | | | LF 105 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | | |

**TRAFFIC SIGN SUMMARY SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(11)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_83.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 83 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 5

| 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 | FLANGED CHANNEL lb/ft | | | SQUARE STEEL (in) lb/ft | | | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft | | | FOUNDATION | TUBULAR STEEL Ø (in) lb/ft | | | | W-SHAPE STEEL FTG. SIZE | | WEIGHT | POST SIZE | SIGN FRAMED REQUIRED | SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | DETAIL IN SHSM | DETAIL ON DWG. 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 | | | | | | | | |
| | | | | | | | | | | | | 1.12 | 2.0 | 3.0 | 1.88 | 2.42 | 3.35 | | | 1.3 | 1.7 | 1.7 | | 7.6 | 9.0 | 10.8 | 14.6 | 24" | 30" | | | | | | |
| STA. 24+23 RT MONTGOMERY | SPEED LIMIT 40 | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | R2-1 | SHSM | | |
| STA. 26+21LT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | WI-2L | SHSM | | |
| STA. 27+90 LT MONTGOMERY | SPEED LIMIT 30 | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | W3-5 | SHSM | | |
| STA. 29+77 LT MONTGOMERY | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | S3-1 FLUORESCENT YELLOW-GREEN WITH TYPE IX SHEETING | SHSM | | |
| STA. 31+68 RT MONTGOMERY | 2420 0610 0060 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 33+04 LT MONTGOMERY | THIS ~~THIS~~ Sheldon Farm Rd | 1 | 60 | 12 | 5.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 33+06 LT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | RI-1 | SHSM | | |
| | 2420 0610 0063 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 33+32 LT MONTGOMERY | DEAD END | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | WI4-1 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEH 2-24-14 |
| | | | | | | | | | | | | LF | LF | LF | LF 8 / LF 150 | | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | |
| TOTALS | | SF 47.59 | SF | EA. - | SF | | | | | | | LF | | | LF 158 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 5**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_86.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 86 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 4

| 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 | FLANGED CHANNEL lb/ft 1.12 | FLANGED CHANNEL lb/ft 2.0 | FLANGED CHANNEL lb/ft 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | SQUARE STEEL (in) lb/ft 2.0 2.42 | SQUARE STEEL (in) lb/ft 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7 | TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7 | TUBULAR STEEL Ø (in) FOUNDATION | TUBULAR STEEL Ø (in) lb/ft 3.0 7.6 | TUBULAR STEEL Ø (in) lb/ft 3.5 9.0 | TUBULAR STEEL Ø (in) lb/ft 4.0 10.8 | TUBULAR STEEL Ø (in) lb/ft 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | W-SHAPE STEEL FTG. SIZE 30" | W-SHAPE STEEL WEIGHT | W-SHAPE STEEL POST SIZE | SIGN REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | SIGN DETAIL DETAIL ON DWG. NUMBER | SIGN DETAIL STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 12+10 LT MONTGOMERY |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-2L | SHSM | | |
| STA. 14+30 LT MONTGOMERY |   | 1 | 30 | 18 | 3.75 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | VD-018 | | 98B | |
| STA. 14+56 RT MONTGOMERY |  | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | S3-1 FLUORESCENT YELLOW-GREEN WITH TYPE IX SHEETING | SHSM | | |
| STA. 20+90 LT MONTGOMERY |  | 1 | 48 | 24 | 8.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | WI-6L | SHSM | | |
| STA. 21+12 RT MONTGOMERY |   | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 21+23 LT MONTGOMERY |   | 1 | 54 | 12 | 4.50 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 21+25 LT MONTGOMERY |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | RI-1 | SHSM | | |
| STA. 21+64 LT MONTGOMERY |   | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | VR-017 | | | E-141 |
| STA. 24+21 LT MONTGOMERY |   | 1 | 30 | 36 | 7.50 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | R2-1 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | LF | LF | LF | LF 8 | LF 165 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | **TOTALS** | | | | SF 50.67 | SF | EA. - | SF | | | | LF | | | LF 173 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 4**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(11)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_85.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 85 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 5

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0 MOD 1.7 | FOUNDATION | TUBULAR STEEL Ø (in) lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | REQUIRED SIGNS | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 24+23 RT MONTGOMERY | SPEED LIMIT 40 | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | R2-1 | SHSM | | |
| STA. 26+21 LT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | W1-2L | SHSM | | |
| STA. 27+90 LT MONTGOMERY | SPEED LIMIT 30 | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | W3-5 | SHSM | | |
| STA. 29+77 LT MONTGOMERY | | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | S3-1 FLUORESCENT YELLOW-GREEN WITH TYPE IX SHEETING | SHSM | | |
| STA. 31+68 RT MONTGOMERY | 2420 0610 0060 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 33+04 LT MONTGOMERY | TH5 Sheldon Farm Rd | 1 | 60 | 12 | 5.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 33+06 LT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | R1-1 | SHSM | | |
| | 2420 0610 0063 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 33+32 LT MONTGOMERY | DEAD END | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | W14-1 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | LF | LF | LF | LF 8 | LF 150 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| **TOTALS** | | | | | SF 47.59 | SF | EA. - | SF | | | | LF | | | LF 158 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 5**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_86.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 86 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 8

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | 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 REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 96+61 LT MONTGOMERY | Hannah Clarke Brook | 1 | 78 | 12 | 6.50 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 96+63 LT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | RI-1 | SHSM | | |
| | 2420 0610 0183 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 96+96 LT MONTGOMERY | LEGAL LOAD LIMIT 16,000 POUNDS | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | VR-017 | | | E-141 |
| STA. 105+60 RT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | W1-2R | SHSM | | |
| | 2420 0610 0200 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 107+40 RT MONTGOMERY | BRIDGE 3 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. 108+11 LT MONTGOMERY | BRIDGE 3 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. 112+00 LT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | W1-2L | SHSM | | |
| STA. 116+16 LT MONTGOMERY | 2420 0610 0220 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| | | | | | | | | | | | | LF | LF | LF | LF 24 | LF 90 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| | **TOTALS** | | | | SF 32.19 | SF | EA. - | SF | | | | LF | | | LF 114 | | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 8**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_89.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 89 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 7

| 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 | FLANGED CHANNEL lb/ft | | | SQUARE STEEL (in) lb/ft | | | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft | | | TUBULAR STEEL Ø (in) FOUNDATION | lb/ft | | | | W-SHAPE STEEL FTG. SIZE | | WEIGHT | POST SIZE | SIGN REQUIRED | SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
| | | | | | | | | | | | | | | | 1.75 | 2.0 | 2.5 | | | 3.0 | 4.0 | 4.0 MOD | | 3.0 | 4.0 | 5.0 | | 24" | 30" | | | | | | | |
| | | | | | | | | | | | | 1.12 | 2.0 | 3.0 | 1.88 | 2.42 | 3.35 | | | 1.3 | 1.7 | 1.7 | | 7.6 | 9.0 | 10.8 | 14.6 | | | | | | | | |
| STA. 66+63 RT MONTGOMERY | TH17 Cote Rd | 1 | 36 | 12 | 3.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 73+92 RT MONTGOMERY | 2420 0610 0140 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 78+78 LT MONTGOMERY | SPEED LIMIT 40 | 1 | 30 | 36 | 7.50 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | R2-1 | SHSM | | |
| STA. 78+78 RT MONTGOMERY | SPEED LIMIT 50 | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | R2-1 | SHSM | | |
| STA. 83+21 LT MONTGOMERY | SPEED LIMIT 40 | 1 | 36 | 36 | 9.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | W3-5 | SHSM | | |
| STA. 84+28 RT MONTGOMERY | TH54 Munn Rd | 1 | 42 | 12 | 3.50 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 84+48 LT MONTGOMERY | 2420 0610 0160 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 95+04 LT MONTGOMERY | 2420 0610 0180 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | LF | LF | LF | LF 24 | LF 90 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| TOTALS | | SF 29.26 | SF | EA. - | SF | | | | | | | LF | | | LF 114 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 7**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906 (1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_88.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 88 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 8

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0 MOD 1.7 | TUBULAR STEEL Ø (in) FOUNDATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | REQUIRED SIGNS | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 96+61 LT MONTGOMERY | 1905 Hannah Clarke Brook RD | 1 | 78 | 12 | 6.50 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | D3-1 | | 98A | |
| STA. 96+63 LT MONTGOMERY | STOP | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | RI-1 | SHSM | | |
| | 2420 0610 0183 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 96+96 LT MONTGOMERY | LEGAL LOAD LIMIT 16,000 POUNDS | 1 | 24 | 30 | 5.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | VR-017 | | | E-141 |
| STA. 105+60 RT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | W1-2R | SHSM | | |
| | 2420 0610 0200 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 107+40 RT MONTGOMERY | BRIDGE 3 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. 108+11 LT MONTGOMERY | BRIDGE 3 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. 112+00 LT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | W1-2L | SHSM | | |
| STA. 116+16 LT MONTGOMERY | 2420 0610 0220 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| | | | | | | | | | | | | LF | LF | LF | LF 24 | LF 90 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| **TOTALS** | | | | | SF 32.19 | SF | EA. - | SF | | | | LF | | | LF 114 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 8**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_89.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 89 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 11

| 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 | FLANGED CHANNEL lb/ft | | | SQUARE STEEL (in) lb/ft | | | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft | | | FOUNDATION | TUBULAR STEEL Ø (in) lb/ft | | | | | W-SHAPE STEEL FTG. SIZE | | WEIGHT | POST SIZE | SIGN REMAINED | SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | DETAIL IN SHSM | DETAIL ON DWG. 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" | | | | | | | |
| | | | | | | | | | | | | 1.12 | 2.0 | 3.0 | 1.88 | 2.42 | 3.35 | | | 1.3 | 1.7 | 1.7 | | 7.6 | 9.0 | 10.8 | 14.6 | | | | | | | | | |
| STA. 167+30 RT MONTGOMERY | | 1 | 18 | 24 | 3.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-8R | SHSM | | |
| STA. 167+32 RT MONTGOMERY | | 1 | 18 | 24 | 3.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-8L | SHSM | | |
| STA. 168+24 RT MONTGOMERY | | 1 | 18 | 24 | 3.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-8R | SHSM | | |
| STA. 168+26 RT MONTGOMERY | | 1 | 18 | 24 | 3.00 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-8L | SHSM | | |
| STA. 168+96 LT MONTGOMERY | 2420<br>0610<br>0320 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 171+25 LT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-4R | SHSM | | |
| | 40 M.P.H. | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | WI3-1 | SHSM | | |
| STA. 179+52 LT MONTGOMERY | 2420<br>~~2120~~<br>0610<br>0340 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEH 2-24-14 |
| | | | | | | | | | | | | LF | LF | LF | LF 16 | LF 75 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |

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

| TOTALS | SF | SF | EA. | SF | | LF | LF | LB | EA. | LB | EA. | EA. | LB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23.09 | | - | | | | 91 | | | | | | |

**TRAFFIC SIGN SUMMARY SHEET 11**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_92.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 92 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 12

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 | 2.0 | 2.5 | 1.88 | 2.42 | 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 | 4.0 | 4.0 MOD | 1.3 | 1.7 | 1.7 | FOUNDATION | TUBULAR STEEL Ø (in) lb/ft 3.0 | 3.5 | 4.0 | 5.0 | 7.6 | 9.0 | 10.8 | 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN REMAINED | REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 187+94 RT MONTGOMERY | BRIDGE 4 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. 188+24 LT MONTGOMERY | BRIDGE 4 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. 189+32 RT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | WI-2 | SHSM | | |
| | 35 M.P.H. | 1 | 24 | 24 | 4.00 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WI3-1 | SHSM | | |
| STA. 190+08 LT MONTGOMERY | 2420 ~~2120~~ 0610 0360 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. 191+28 RT MONTGOMERY | | 1 | 48 | 24 | 8.00 | | | | | | 2 | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | WI-6L | SHSM | | |
| STA. 191+30 RT MONTGOMERY | | 1 | 48 | 24 | 8.00 | | | | | | 2 | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | WI-6R | SHSM | | |
| STA. 194+05 LT MONTGOMERY | | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | WI-2 | SHSM | | |
| | 35 M.P.H. | 1 | 24 | 24 | 4.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | WI3-1 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEH 2-24-14 |
| | | | | | | | | | | | | LF | LF | LF | LF 24 | LF 90 | LF | | | EA. | | LB | LB | LB | | | | | LB | LB | LB | LB | | | | | | | | | | | |
| **TOTALS** | | | | | SF 37.60 | SF | EA. - | SF | | | | LF | | | LF 114 | | | | | | | LB | | | EA. | | | | LB | | | | EA. | EA. | LB | | | | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 12**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_93.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 93 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 13

| 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 | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0 MOD 1.7 | FOUNDATION | TUBULAR STEEL Ø (in) lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. 200+79 RT MONTGOMERY<br>STA. A 0+00 RT WESTFIELD | Westfield \| Montgomery | 1 | 72 | 10 | 5.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | VD-024 | | 98A | |
| | Orleans Co \| Franklin Co | 1 | 72 | 10 | 5.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-024 | | 98A | |
| | 2420<br>1018<br>0000 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| | 2420<br>0610<br>0383 | 1 | 6 | 10 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 10+56 RT WESTFIELD | 2420<br>~~2120~~<br>1018<br>0020 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 21+12 LT WESTFIELD | 2420<br>~~2120~~<br>1018<br>0040 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 31+25 RT WESTFIELD | 2420<br>~~2120~~<br>1018<br>0060 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 36+57 RT WESTFIELD | BRIDGE<br>5<br>VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. A 37+12 LT WESTFIELD | BRIDGE<br>5<br>VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. A 42+24 LT WESTFIELD | 2420<br>1018<br>0080 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | SEH<br>2-24-14 | E-138 |
| | | | | | | | | | | | | LF | LF | LF | LF 48 | LF 30 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE." | **TOTALS** | | | | SF 13.20 | SF | EA. | SF | | | | LF | | | LF 78 | | | | | | LB | | | EA. | | LB | | | | EA. | EA. | LB | | | | | |

**TRAFFIC SIGN SUMMARY SHEET 13**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_94.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 94 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 14

| 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 | FLANGED CHANNEL lb/ft | | | SQUARE STEEL (in) lb/ft | | | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft | | | FOUND-ATION | TUBULAR STEEL Ø (in) lb/ft | | | | W-SHAPE STEEL FTG. SIZE | | WEIGHT | POST SIZE | SIGN REQUIRED | SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 1.12 | 2.0 | 3.0 | 1.88 | 2.42 | 3.35 | | | 1.3 | 1.7 | 1.7 | | 7.6 | 9.0 | 10.8 | 14.6 | 24" | 30" | | | | | | |
| STA. A 53+30 RT WESTFIELD | 2420 1018 0100 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 62+20 LT WESTFIELD | 2420 1018 0120 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 73+92 RT WESTFIELD | 2420 1018 0140 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 75+42 RT WESTFIELD | BRIDGE 6 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. A 75+60 LT WESTFIELD | BRIDGE 6 VT 242 | 1 | 6 | 8 | 0.34 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-701 | | | E-134 |
| STA. A 84+48 RT WESTFIELD | 2420 ~~2120~~ 1018 0160 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 95+04 RT WESTFIELD | 2420 ~~2120~~ 1018 0180 | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 96+00 RT MONTGOMERY |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | WI-2 | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEH 2-24-14 |
| | | | | | | | | | | | | LF | LF | LF | LF 56 | LF 15 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | |
| FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE." | **TOTALS** | SF 9.03 | SF | EA. - | SF | | LF | | | LF 71 | | LB | | EA. | LB | | | EA. | EA. | LB | | | | | | | | | | | | | |

**TRAFFIC SIGN SUMMARY SHEET 14**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_95.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 95 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 15

| 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 | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | 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 REMAINED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. A 105+04 RT WESTFIELD |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-2R | SHSM | | |
| STA. A 105+60 LT WESTFIELD |   | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 109+24 LT WESTFIELD |  | 1 | 48 | 24 | 8.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | WI-6R | SHSM | | |
| STA. A 109+26 LT WESTFIELD |  | 1 | 48 | 24 | 8.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | WI-6L | SHSM | | |
| STA. A 111+61 LT WESTFIELD |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-2L | SHSM | | |
| STA. A 116+16 RT WESTFIELD |   | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 126+72 LT WESTFIELD |   | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 136+00 LT WESTFIELD |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | W7-1b | SHSM | | |
| |   | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W7-2b | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEH 2-24-14 |
| | | | | | | | | | | | | LF | LF | LF | LF 24 | LF 105 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | | |
| | | | | | | | | | | | | | | | | 129 | | | | | | | | | | | | | | | | | | | | | |
| | | TOTALS | SF 38.20 | SF | EA. - | SF | | | | | | LF | | | LF | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 15**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_96.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 96 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 16

| 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 | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0 MOD 1.7 | TUBULAR STEEL Ø (in) lb/ft FOUNDATION | 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. A 137+86 RT WESTFIELD |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | W7-1b | SHSM | | |
| |   | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | W7-2b | SHSM | | |
| STA. 45+40, RT MONTGOMERY | BRIDGE 1 VT 242 | 1 | 6 | 8 | 0.33 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | | | |
| STA. 45+90, LT MONTGOMERY | BRIDGE 1 VT 242 | 1 | 6 | 8 | 0.33 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | | | |
| STA. 83+52, RT MONTGOMERY | BRIDGE 2 VT 242 | 1 | 6 | 8 | 0.33 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | | | |
| STA. 84+37, LT MONTGOMERY | BRIDGE 2 VT 242 | 1 | 6 | 8 | 0.33 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | | | |
| STA. 120+78, RT MONTGOMERY | TH19 AMIDON RD | 1 | 42 | 12 | 3.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | MOUNTED ON STOP SIGN | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TSSS 1 TOTAL<br>TSSS 2 TOTAL<br>TSSS 3 TOTAL<br>TSSS 4 TOTAL<br>TSSS 5 TOTAL<br>TSSS 6 TOTAL<br>TSSS 7 TOTAL<br>TSSS 8 TOTAL<br>TSSS 9 TOTAL<br>TSSS 10 TOTAL<br>TSSS 11 TOTAL<br>TSSS 12 TOTAL<br>TSSS 13 TOTAL<br>TSSS 14 TOTAL<br>TSSS 15 TOTAL<br>TSSS 16 TOTAL | | | | 42.88<br>42.00<br>38.61<br>50.67<br>47.59<br>35.26<br>29.26<br>32.19<br>40.10<br>33.00<br>23.09<br>37.60<br>13.20<br>9.03<br>38.20<br>8.44 | | | | | | | | | | 8<br>8<br>24<br>24<br>24<br>24<br>16<br>24<br>48<br>56<br>24 | 30<br>105<br>90<br>165<br>150<br>90<br>90<br>90<br>90<br>150<br>75<br>90<br>30<br>15<br>105<br>15 | | | | | | | | | 2 | 293 | | | | | | | | | SEH 2-25-14 |
| | SUBTOTAL | | | | 521.12 | | | | | | | LF | LF | LF | LF 280 | LF 1380 | LF | | EA. | LB | LB | LB | | LB 293 | LB | LB | LB | | | | | | | | |
| FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE." | ROUNDING | | | | 8.88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **TOTALS** | | | | SF 530 | SF | EA. - | SF | | | | LF | | | LF 1660 | | | | | LB | | | EA. 2 | LB 293 | | | | EA. | EA. | LB | | | | | |

**TRAFFIC SIGN SUMMARY SHEET 16**

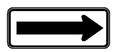
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_97.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 97 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 15

| 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 | FLANGED CHANNEL lb/ft 1.12 | FLANGED CHANNEL lb/ft 2.0 | FLANGED CHANNEL lb/ft 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | SQUARE STEEL (in) lb/ft 2.0 2.42 | SQUARE STEEL (in) lb/ft 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | TUBULAR ALUMINUM Ø (in) lb/ft 4.0 1.7 | TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD 1.7 | TUBULAR STEEL Ø (in) FOUNDATION | TUBULAR STEEL Ø (in) lb/ft 3.0 7.6 | TUBULAR STEEL Ø (in) lb/ft 3.5 9.0 | TUBULAR STEEL Ø (in) lb/ft 4.0 10.8 | TUBULAR STEEL Ø (in) lb/ft 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | W-SHAPE STEEL FTG. SIZE 30" | W-SHAPE STEEL WEIGHT | W-SHAPE STEEL POST SIZE | REQUIRED SIGNED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | SIGN DETAIL DETAIL ON DWG. NUMBER | SIGN DETAIL STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. A 105+04 RT WESTFIELD |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-2R | SHSM | | |
| STA. A 105+60 LT WESTFIELD |  | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 109+24 LT WESTFIELD |  | 1 | 48 | 24 | 8.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | WI-6R | SHSM | | |
| STA. A 109+26 LT WESTFIELD |  | 1 | 48 | 24 | 8.00 | | | | | | 2 | | | | | X | | X | | | | | | | | | | | | | | | WI-6L | SHSM | | |
| STA. A 111+61 LT WESTFIELD |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | WI-2L | SHSM | | |
| STA. A 116+16 RT WESTFIELD |  | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 126+72 LT WESTFIELD |  | 1 | 6 | 10 | 0.42 | | | | | | 1 | | | | X | | | X | | | | | | | | | | | | | | | VD-700 | | | E-138 |
| STA. A 136+00 LT WESTFIELD |  | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | | W7-1b | SHSM | | |
| |  | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | W7-2b | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | LF | LF | LF | LF 24 | LF 105 | LF | | EA. | LB | LB | LB | | LB | LB | LB | LB | | | | | | | | |
| | **TOTALS** | | | | SF 38.20 | SF | EA. - | SF | | | | LF | | | LF 129 | | | | | LB | | | EA. | LB | | | | EA. | EA. | LB | | | | | |

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

**TRAFFIC SIGN SUMMARY SHEET 15**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_96.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 96 OF 178

STATE OF VERMONT
AGENCY OF TRANSPORTATION

# TRAFFIC SIGN SUMMARY SHEET 16

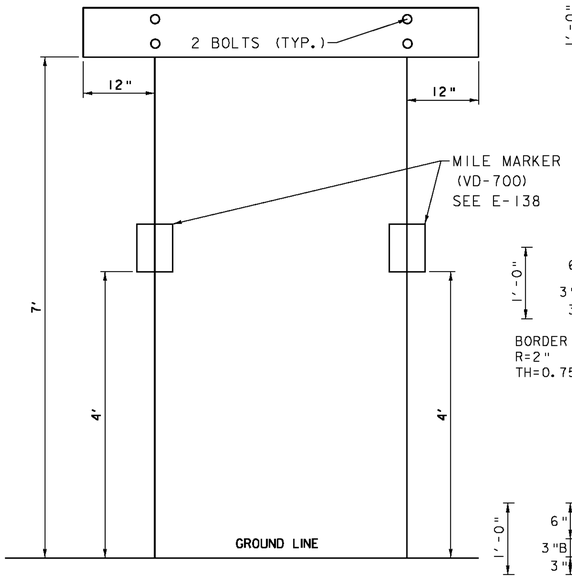
| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS EA | WIDTH (in) | HEIGHT (in) | NEW & SALVAGED SIGNS "A" | "B" | SALV SIGN | SALV TIS | EXIST POST RETAIN | EXIST POST SALVAGE | NEW SIGN POSTS NO. OF POSTS | FLANGED CHANNEL lb/ft 1.12 | 2.0 | 3.0 | SQUARE STEEL (in) lb/ft 1.75 1.88 | 2.0 2.42 | 2.5 3.35 | ANCHOR | SLEEVE | TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3 | 4.0 1.7 | 4.0 MOD 1.7 | TUBULAR STEEL Ø (in) FOUNDATION | lb/ft 3.0 7.6 | 3.5 9.0 | 4.0 10.8 | 5.0 14.6 | W-SHAPE STEEL FTG. SIZE 24" | 30" | WEIGHT | POST SIZE | SIGN REQUIRED | REMARKS SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK | SIGN DETAIL DETAIL IN SHSM | DETAIL ON DWG. NUMBER | STD. SHEET NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STA. A 137+86 RT WESTFIELD |   | 1 | 30 | 30 | 6.25 | | | | | | 1 | | | | | X | | X | | | | | | | | | | | | | | W7-1b | SHSM | | |
| |   | 1 | 21 | 15 | 2.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | W7-2b | SHSM | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TSSS 1 TOTAL<br>TSSS 2 TOTAL<br>TSSS 3 TOTAL<br>TSSS 4 TOTAL<br>TSSS 5 TOTAL<br>TSSS 6 TOTAL<br>TSSS 7 TOTAL<br>TSSS 8 TOTAL<br>TSSS 9 TOTAL<br>TSSS 10 TOTAL<br>TSSS 11 TOTAL<br>TSSS 12 TOTAL<br>TSSS 13 TOTAL<br>TSSS 14 TOTAL<br>TSSS 15 TOTAL<br>TSSS 16 TOTAL | | | | 42.88<br>42.00<br>38.61<br>50.67<br>47.59<br>35.26<br>29.26<br>32.19<br>40.10<br>33.00<br>23.09<br>37.60<br>13.20<br>9.03<br>38.20<br>8.44 | | | | | | | | | | 8<br>8<br>24<br>24<br>24<br>24<br>16<br>24<br>48<br>56<br>24 | 30<br>105<br>90<br>165<br>150<br>90<br>90<br>90<br>90<br>150<br>75<br>90<br>30<br>15<br>105<br>15 | | | | | | | | 2 | 293 | | | | | | | | | | |
| FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS 'SIGN POST DESIGN GUIDELINE.' | | | | SUBTOTAL | 521.12 | | | | | | | LF | LF | LF | LF 280 | LF 1380 | LF | | EA. | LB | LB | LB | | LB 293 | LB | LB | LB | | | | | | | | | |
| | | | | ROUNDING | 8.88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | **TOTALS** | SF 530 | SF | EA. - | SF | | | | LF | | | LF 1660 | | | | | LB | | | EA. 2 | LB 293 | | | | EA. | EA. | LB | | | | | | | |

**TRAFFIC SIGN SUMMARY SHEET 16**

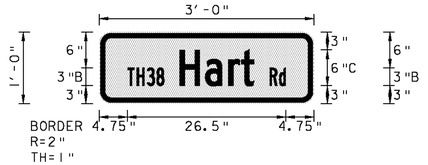
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_97.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 97 OF 178

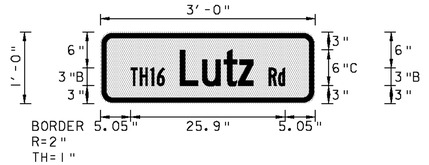



**TOWN LINE SIGN PLACEMENT**



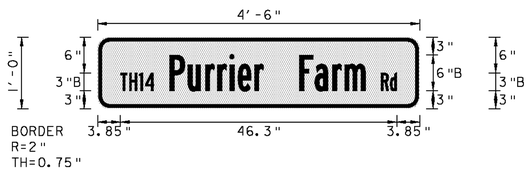

Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

**D3-1**



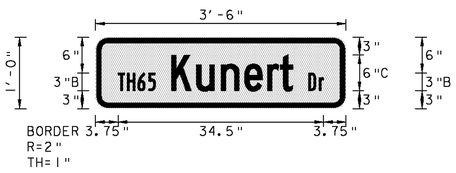

Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

**D3-1**



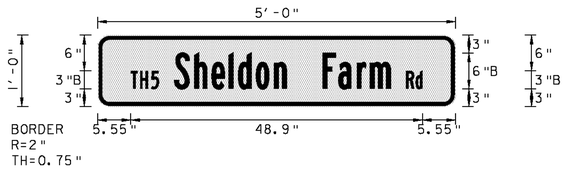

Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

**D3-1**



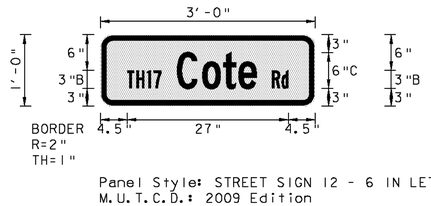

Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

**D3-1**



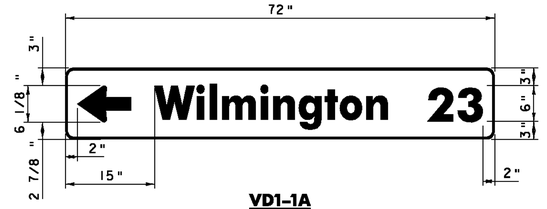

Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

**D3-1**

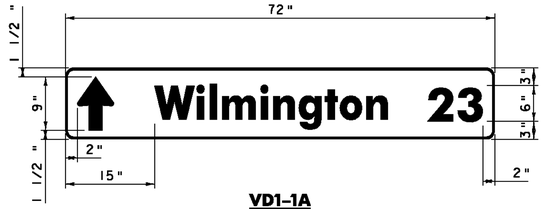



Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

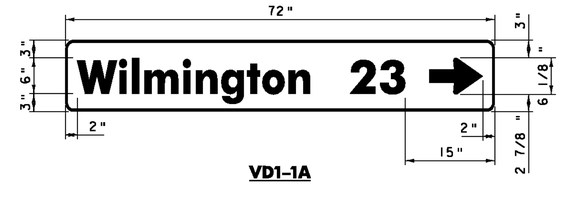
**D3-1**



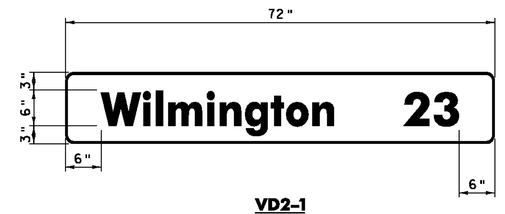

**VD1-1A**



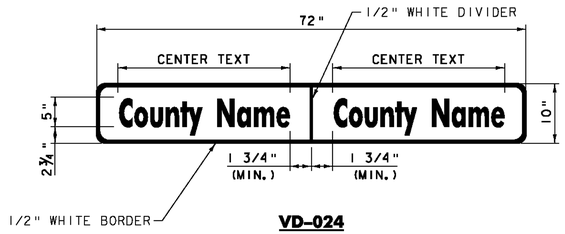

**VD1-1A**



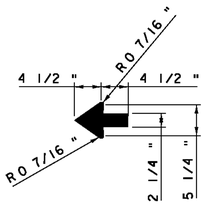

**VD1-1A**



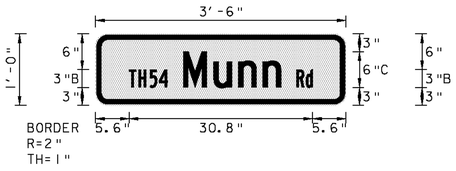

**VD2-1**




**VD-024**

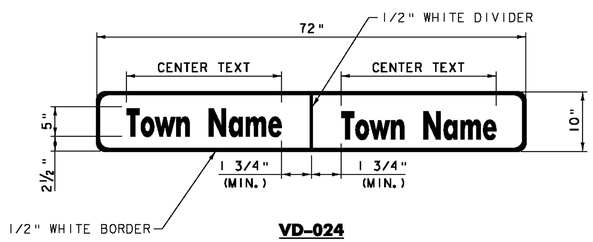



**STANDARD SHSM 2.25" ARROW**

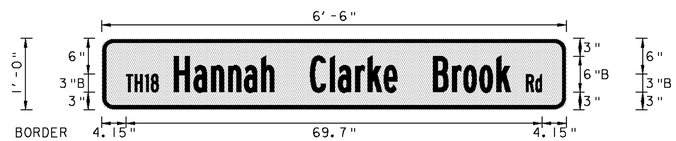



Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

**D3-1**




**VD-024**




Panel Style: STREET SIGN 12 - 6 IN LETTERS.ssi
M.U.T.C.D.: 2009 Edition

**D3-1**

1.) WORD TO WORD SPACING FOR COUNTIES AND TWO WORD TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENT.

2.) FONT SPACING MAY BE ADJUSTED TO MEET DIMENSION REQUIREMENT.

3.) DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.

4.) ALL TOWN LINE AND COUNTY LINE SIGNS SHOWN ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III OR IV TEXT, ARROWS AND BORDERS ON A GREEN RETROREFLECTIVE ASTM TYPE III OR IV BACKGROUND. RETROREFL.ECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF AASHTO M 268 (ASTM D4956)

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

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 ASTM TYPE III OR IV BACKGROUND. RETROREFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF AASHTO M 268 (ASTM D4956)

2.) USE THE LARGEST LETTER / THICKEST FONT AVAILABLE THAT WILL SATISFY THE MINIMUM SPACING REQUIREMENTS, AS SHOWN IN THE DETAILS ABOVE; I.E. IF A 6" SERIES C LETTER DOES NOT WORK, DUE TO THE LENGTH OF THE WORD, USE A 6" SERIES B LETTER. IF A 6" SERIES B LETTER DOES NOT WORK, USE A 5" SERIES C. IF A 5" SERIES C LETTER DOES NOT WORK, USE A 5" SERIES B. USE NO LESS THAN 80% KERNING.

1.) ALL TOWN HIGHWAY SIGNS SHALL BE DUAL SIDED.

2.) ALL TOWN HIGHWAY SIGNS SHALL BE TOP POST MOUNTED.

3.) ALL TOWN HIGHWAY SIGNS SHOWN ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III OR IV TEXT, ARROWS AND BORDERS ON A GREEN RETROREFLECTIVE ASTM TYPE III OR IV BACKGROUND. RETROREFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF AASHTO M 268 (ASTM D4956).

**DETAILS ARE NOT TO SCALE**

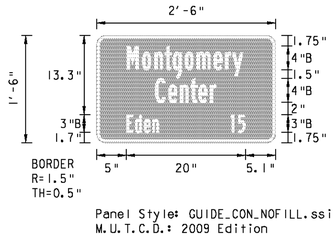
**SIGN DETAIL SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906 (1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_98A.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 98A OF 178

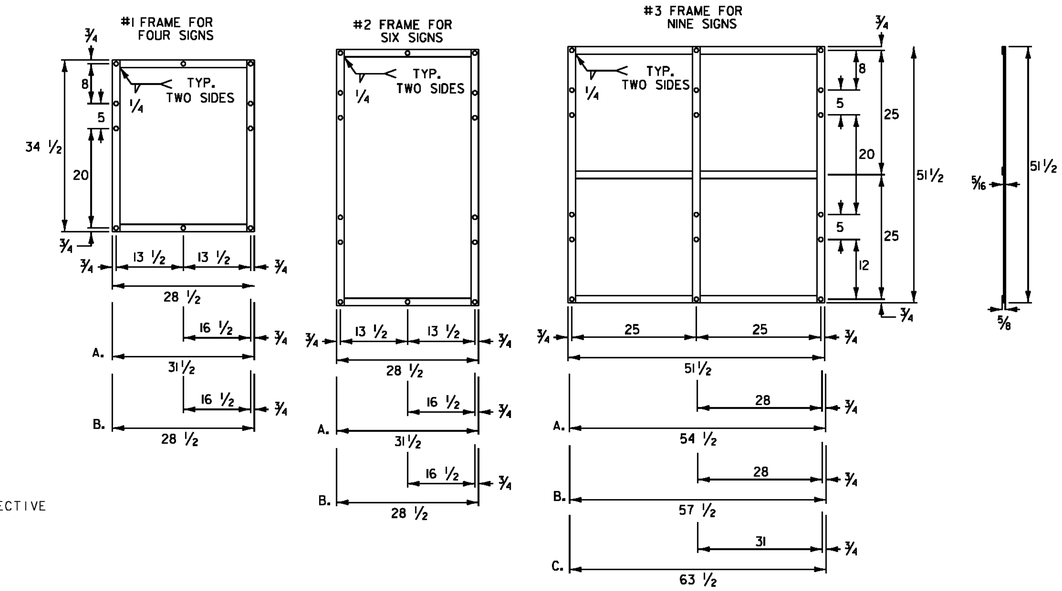



Panel Style: GUIDE_CON_NOFILL.ssi
M.U.T.C.D.: 2009 Edition

1.) ALL VILLAGE SIGNS SHOWN ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III OR IV TEXT, ARROWS AND BORDERS ON A GREEN RETROREFLECTIVE ASTM TYPE III OR IV BACKGROUND. RETROREFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF AASHTO M 268 (ASTM D4956).

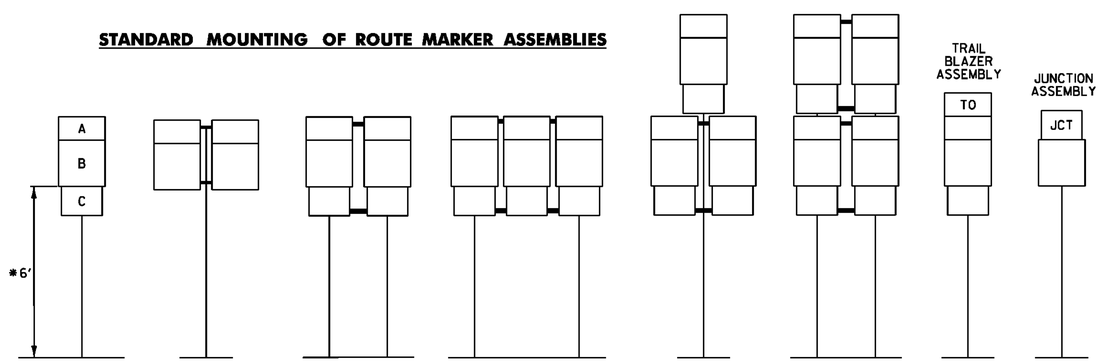
## ROUTE MARKER ASSEMBLY FRAMES




## NOTES:

1. NOTES FOR #1 AND #2 FRAME:
   - A. WITH ONE 30 INCH THREE DIGIT SIGN
   - B. WITH TWO 30 INCH THREE DIGIT SIGNS
2. NOTES FOR #3 FRAME:
   - A. WITH ONE 30 INCH THREE DIGIT SIGN IN AN OUTSIDE POSITION.
   - B. WITH ONE 30 INCH THREE DIGIT SIGN IN THE CENTER POSITION OR TWO SUCH SIGNS IN THE OUTSIDE POSITIONS.
   - C. WITH THREE 30 INCH THREE DIGIT SIGNS.
3. ALL HOLES SHALL BE 7/16 INCH DIAMETER. FOR OTHER SIGN COMBINATIONS. THAN ABOVE, THE FRAME DIMENSIONS AND HOLE SPACING SHALL BE MODIFIED AS NECESSARY. THE FRAME SHALL BE PAINTED WITH ONE COAT OF PRIMER AND A SECOND COAT OF BLACK PAINT. THE PAINT SHALL BE OF THE TYPE USED ON EXTERIOR METAL SURFACES TO PREVENT METAL CORROSION.
4. STANDARD FRAMES SHALL BE 5/16 INCH x 1 1/2 INCH WELDED ASTM A-36 STEEL.
5. ALL DIMENSIONS SHOWN IN INCHES EXCEPT WHERE NOTED.
6. ALL OVERLAPPED CONNECTIONS SHALL BE WELED WITH TWO, 1/4 INCH WIDE FILLET WELDS, 1 1/2 INCH LONG.

## STANDARD MOUNTING OF ROUTE MARKER ASSEMBLIES




A - CARDINAL DIRECTION MARKER
B - ROUTE NUMBER
C - ADVANCE TURN ARROW OR DIRECTIONAL ARROW

* WHERE PARKING OR PEDESTRIAN TRAFFIC WILL OCCUR IN THE IMMEDIATE VICINITY OF THESE SIGNS MINIMUM VERTICAL CLEARANCE SHALL BE INCREASED TO SEVEN FEET

INSTALLATION SEQUENCE:

IN MULTIPLE HORIZONTAL MOUNTINGS PLACE A ROUTE MARKER ASSEMBLY INDICATING A LEFT TURN ON THE LEFT SIDE OF THE ASSEMBLY; RIGHT TURN ON THE RIGHT SIDE. FOR VERTICALLY STACKED MOUNTINGS PLACE THE STRAIGHT THROUGH MOVE INDICATION ON TOP, THE LEFT OR RIGHT TURNS AS APPROPRIATE BENEATH.

## NOTES:

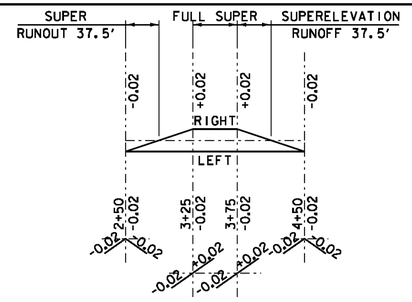
1. ALL DIMENSIONS SHOWN IN INCHES EXCEPT WHERE NOTED.
2. VERTICAL FRAME MEMBERS SHALL LINE UP WITH SIGN POST ON WHICH THEY ARE MOUNTED.

**DETAILS ARE NOT TO SCALE**

**SIGN DETAIL SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906 (1)

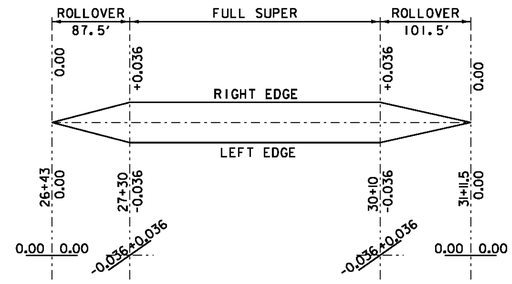
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_98B.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 98B OF 178




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #2**

NTS

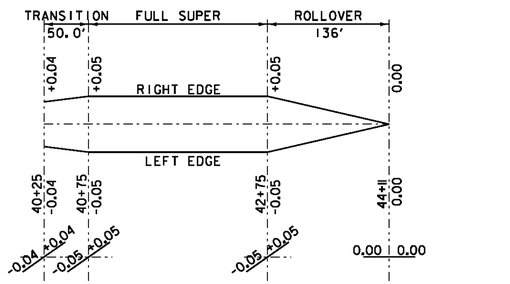
PC = 0+93.02 R = 1400 FT - LT
PT = 6+54.38 V = 30 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #6**

NTS

PC = 27+08.58 R = 2000 FT - LT
PT = 30+41.72 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #9**

NTS

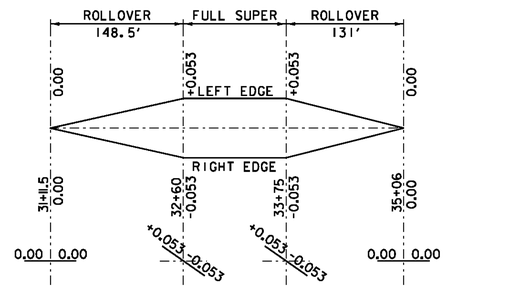
PC = 40+36.22 R = 1300 FT - LT
PT = 43+13.15 V = 40 MPH

**NORMAL CROWN**

**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #3**

NTS

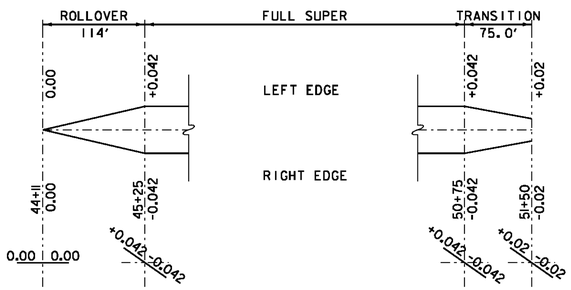
PC = 8+53.79 R1 = 320 FT - RT
PCC = 10+52.38 R2 = 642 FT - RT
PT = 11+65.58 V = 30 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #7**

NTS

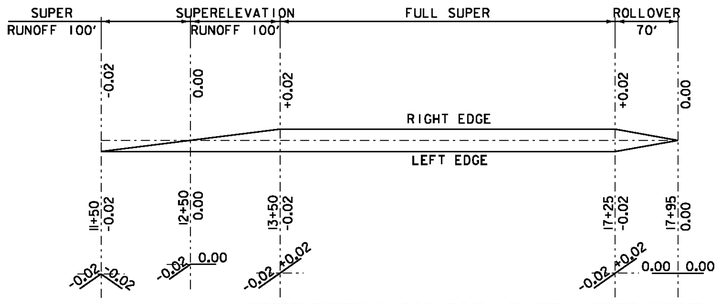
PC = 32+24.54 R = 1200 FT - RT
PT = 34+67.07 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #10**

NTS

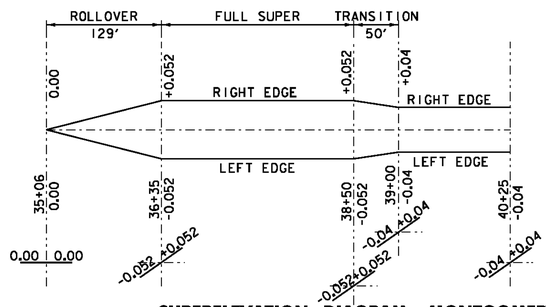
PC = 44+46.41 R = 1825 FT - RT
PT = 51+22.40 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #4**

NTS

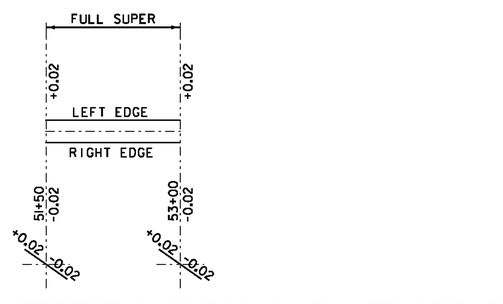
PC = 13+34.73 R = 3000 FT - LT
PT = 17+35.18 V = 30 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #8**

NTS

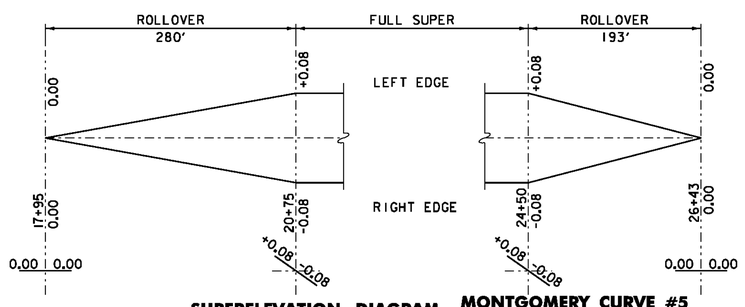
PC = 35+59.21 R = 1250 FT - LT
PT = 39+03.21 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #11**

NTS

PC = 52+27.51 R = 1500 FT - LT
PT = 52+83.61 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #5**

NTS

PC = 20+06.19 R1 = 420 FT - RT
PCC = 23+52.78 R2 = 2000 FT - RT
PT = 25+80.23 V1 = 30 MPH, V2 = 40 MPH

**NOTES:**

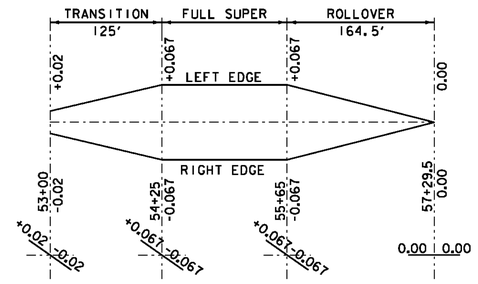
1. CURVES NOT SHOWN ON SUPERELEVATION BANKING DIAGRAM SHEETS DO NOT NEED TO BE SUPERELEVATED.

**SUPERELEVATION BANKING DIAGRAM SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_99.1

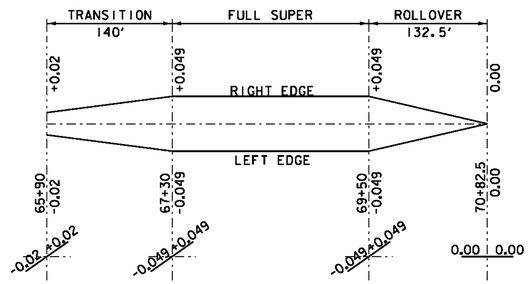
PLOT DATE: 9/5/12
DRAWN BY: BMB
CHECKED BY: EPD
SHEET 99 OF 178




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #12**

NTS

PC = 53+83.35 R = 800 FT - RT
PT = 56+52.88 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #16**

NTS

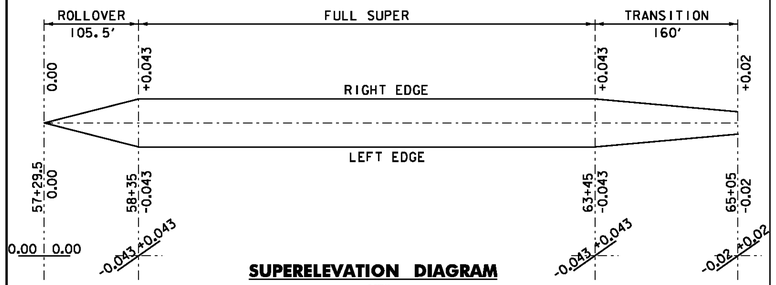
PC = 66+88.83 R = 1350 FT - LT
PT = 69+82.04 V = 40 MPH

**LEVEL AND OVERLAY SECTION**
**MAINTAIN EXISTING CROSS SLOPES**

**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #19**

NTS

PC = 86+16.45 R = 1600 FT - RT
PT = 87+99.62 V = 50 MPH




**SUPERELEVATION DIAGRAM**

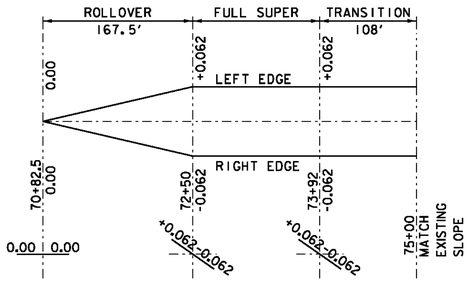
NTS

**MONTGOMERY CURVE #13**

PC = 57+78.93 R = 1600 FT - LT
PT = 60+38.58 V = 40 MPH

**MONTGOMERY CURVE #14**

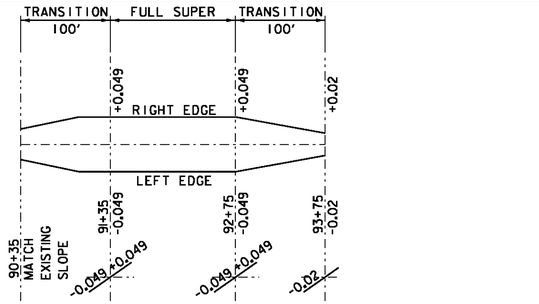
PC = 61+22.46 R = 1550 FT - LT
PT = 63+82.04 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #17**

NTS

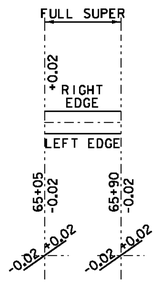
PC = 72+03.09 R = 900 FT - RT
PT = 78+04.39 V = 40 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #20**

NTS

PC = 89+83.34 R = 2100 FT - LT
PT = 93+15.03 V = 50 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #15**

NTS

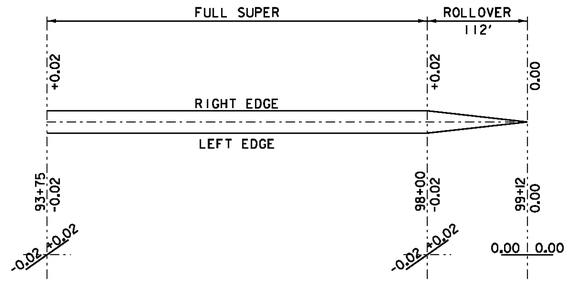
PC = 65+04.34 R = 4000 FT - LT
PT = 65+90.09 V = 40 MPH

**LEVEL AND OVERLAY SECTION**
**MAINTAIN EXISTING CROSS SLOPES**

**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #18**

NTS

PC = 79+60.99 R = 1100 FT - LT
PT = 83+80.22 V = 50 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #21**

NTS

PC = 95+35.10 R = 6000 FT - LT
PT = 98+25.34 V = 50 MPH

**NOTES:**

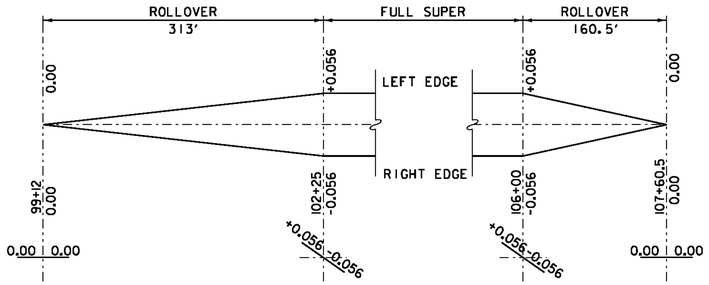
1. CURVES NOT SHOWN ON SUPERELEVATION BANKING DIAGRAM SHEETS DO NOT NEED TO BE SUPERELEVATED.

**SUPERELEVATION BANKING DIAGRAM SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_100.1

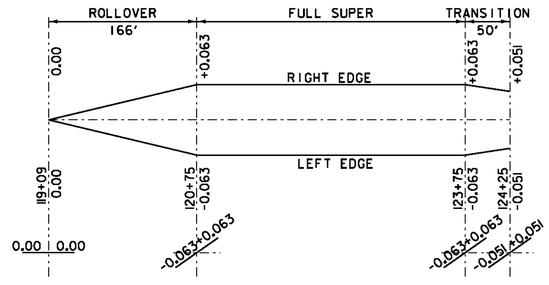
PLOT DATE: 9/5/12
DRAWN BY: BMB
CHECKED BY: EPD
SHEET 100 OF 178




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #22**

NTS

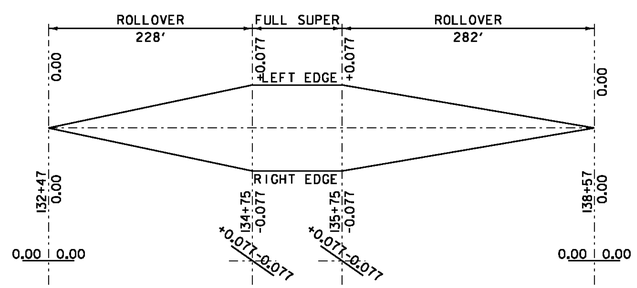
PC = 101+47.71 R = 1700 FT - RT
PT = 106+89.48 V = 50 MPH




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #25**

NTS

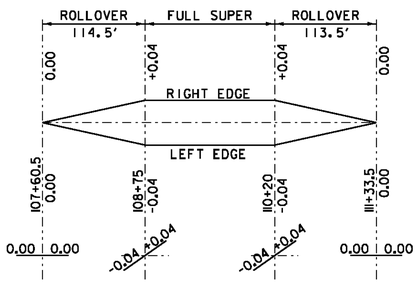
PC = 120+27.13 R = 1525 FT - LT
PT = 124+08.74 V = 50 MPH




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #28**

NTS

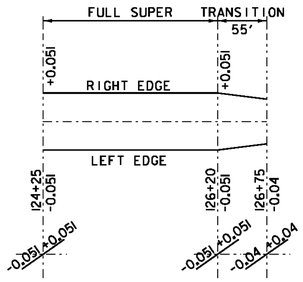
PC = 133+59.95 R = 925 FT - RT
PT = 136+20.31 V = 50 MPH




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #23**

NTS

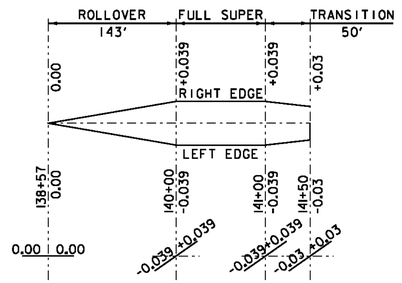
PC = 108+01.08 R = 1750 FT - LT
PT = 110+79.97 V = 40 MPH




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #26**

NTS

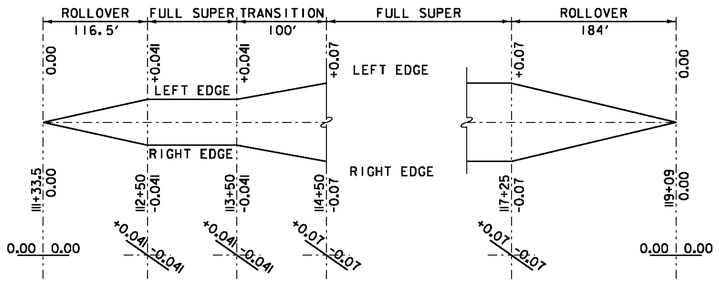
PC = 125+46.58 R = 2000 FT - LT
PT = 126+16.47 V = 50 MPH




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #29**

NTS

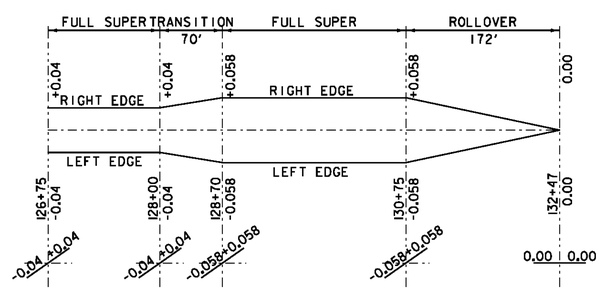
PC = 139+75.17 R = 2800 FT - LT
PT = 141+46.13 V = 50 MPH




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #24**

NTS

PC = 112+03.96 R1 = 2490 FT - RT
PCC = 114+04.98 R2 = 1200 FT - RT
PT = 117+75.98 V1 = 40 MPH, V2 = 50 MPH




**SUPERELEVATION DIAGRAM MONTGOMERY CURVE #27**

NTS

PC = 128+22.52 R = 1650 FT - LT
PT = 132+90.91 V = 50 MPH

**NOTES:**

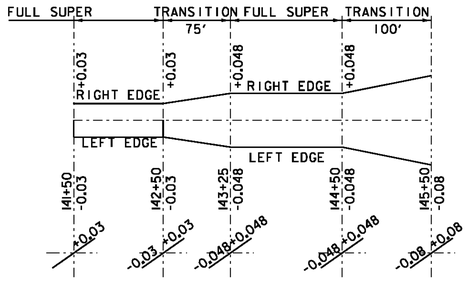
1. CURVES NOT SHOWN ON SUPERELEVATION BANKING DIAGRAM SHEETS DO NOT NEED TO BE SUPERELEVATED.

**SUPERELEVATION BANKING DIAGRAM SHEET 3**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_101.i

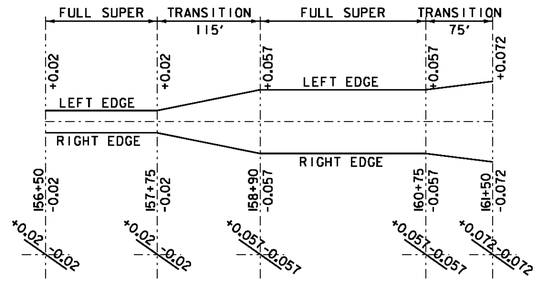
PLOT DATE: 9/5/12
DRAWN BY: BMB
CHECKED BY: EPD
SHEET 101 OF 178




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #30**

NTS

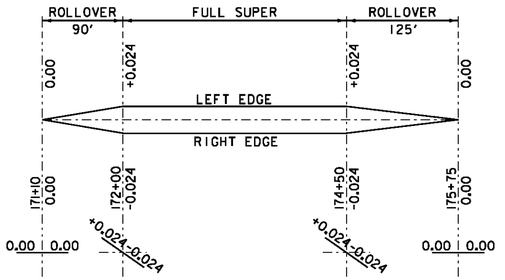
PC = 142+73.22 R = 2200 FT – LT
PT = 144+98.46 V = 50 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #34**

NTS

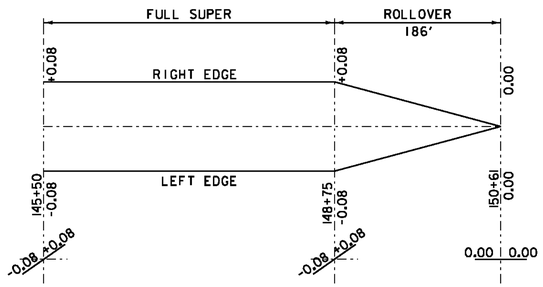
PC = 158+41.33 R = 1700 FT – RT
PT = 160+91.20 V = 50 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #37**

NTS

PC = 171+64.65 R = 5000 FT – RT
PT = 174+56.61 V = 50 MPH




**MONTGOMERY CURVE #31**

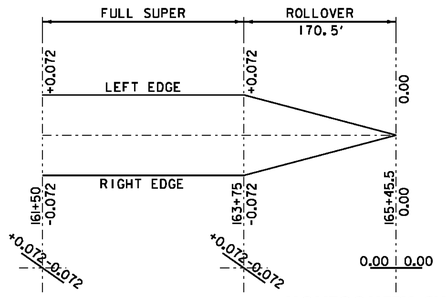
PC = 144+99.35 R = 600 FT – LT
PT = 148+01.62 V = 40 MPH

**SUPERELEVATION DIAGRAM**

NTS

**MONTGOMERY CURVE #32**

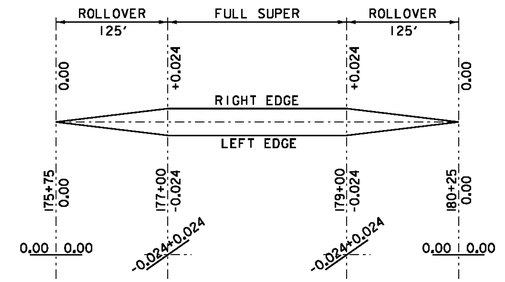
PC = 148+47.14 R = 650 FT – LT
PT = 149+74.70 V = 50 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #35**

NTS

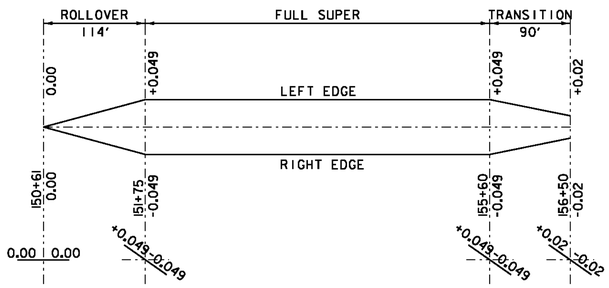
PC = 161+40.83 R1 = 1155 FT – RT
PCC = 162+92.78 R2 = 480 FT – RT
PT = 165+10.40 V1 = 50 MPH, V2 = 35 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #38**

NTS

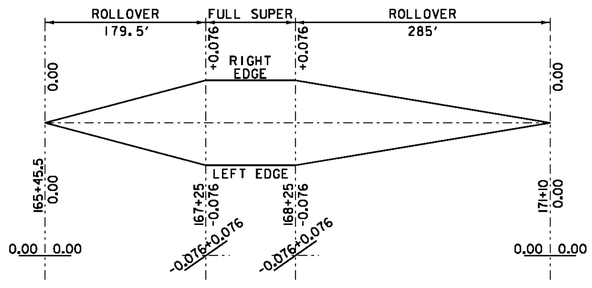
PC = 176+90.45 R = 5000 FT – LT
PT = 179+26.43 V = 50 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #33**

NTS

PC = 150+50.99 R = 2100 FT – RT
PT = 156+01.54 V = 50 MPH




**SUPERELEVATION DIAGRAM** **MONTGOMERY CURVE #36**

NTS

PC = 165+93.71 R = 480 FT – LT
PT = 168+62.05 V = 35 MPH

**NOTES:**

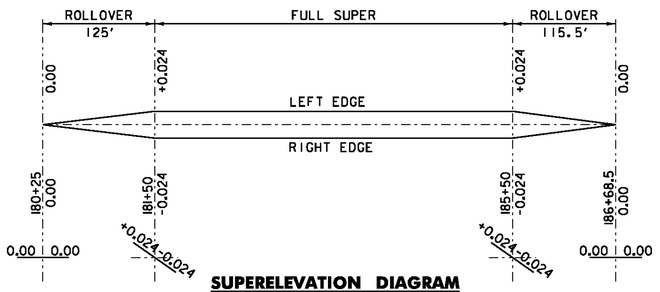
1. CURVES NOT SHOWN ON SUPERELEVATION BANKING DIAGRAM SHEETS DO NOT NEED TO BE SUPERELEVATED.

**SUPERELEVATION BANKING DIAGRAM SHEET 4**

PROJECT NAME: NEWPORT-COVENTRY-NEWPORT
PROJECT NUMBER: STP 2802(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_102.1

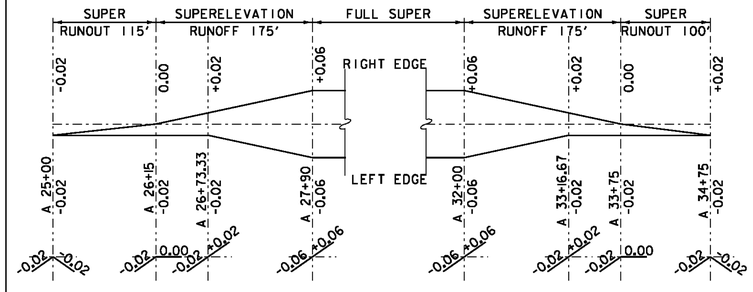
PLOT DATE: 9/5/12
DRAWN BY: BMB
CHECKED BY: EPD
SHEET 102 OF 178




**SUPERELEVATION DIAGRAM** — NTS

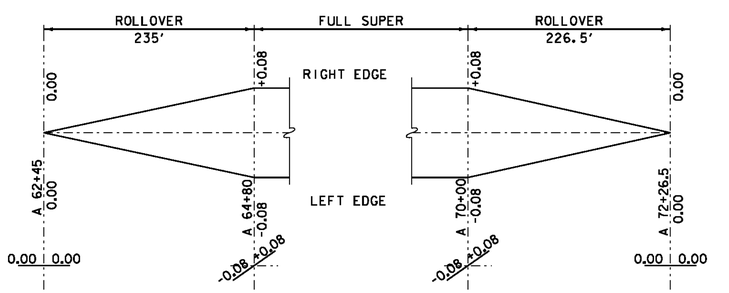
**MONTGOMERY CURVE #39**
PC = 181+25.84 R = 5000 FT - RT
PT = 182+75.95 V = 50 MPH

**MONTGOMERY CURVE #40**
PC = 184+42.85 R = 5000 FT - RT
PT = 185+85.20 V = 50 MPH



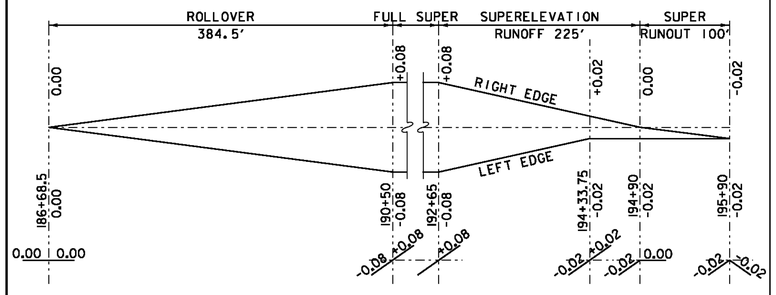

**SUPERELEVATION DIAGRAM** — NTS

**WESTFIELD CURVE #5**
PC = A 27+37.29 R = 1550 FT - LT
PT = A 32+59.12 V = 50 MPH



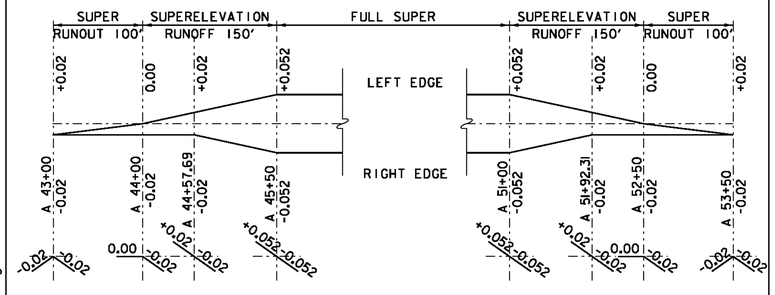

**SUPERELEVATION DIAGRAM** — NTS

**WESTFIELD CURVE #10**
PC = A 64+08.79 R = 740 FT - LT
PT = A 70+88.96 V = 45 MPH



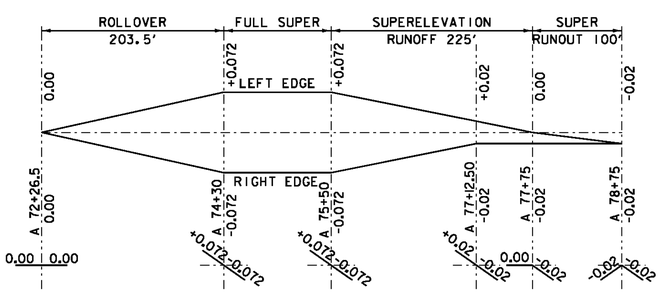

**SUPERELEVATION DIAGRAM** — NTS

**MONTGOMERY CURVE #41**
PC = 189+94.81 R = 560 FT - LT
PT = 193+28.99 V = 40 MPH



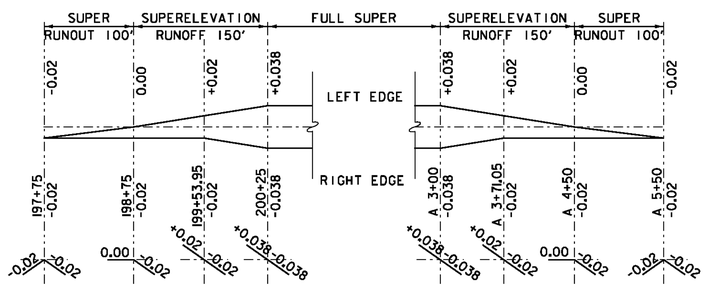

**SUPERELEVATION DIAGRAM** — NTS

**WESTFIELD CURVE #7**
PC = A 45+14.05 R = 1950 FT - RT
PT = A 51+35.25 V = 50 MPH



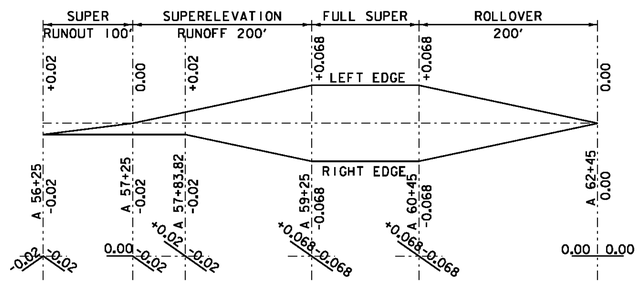

**SUPERELEVATION DIAGRAM** — NTS

**WESTFIELD CURVE #11**
PC = A 73+29.96 R = 1100 FT - RT
PT = A 76+23.34 V = 50 MPH



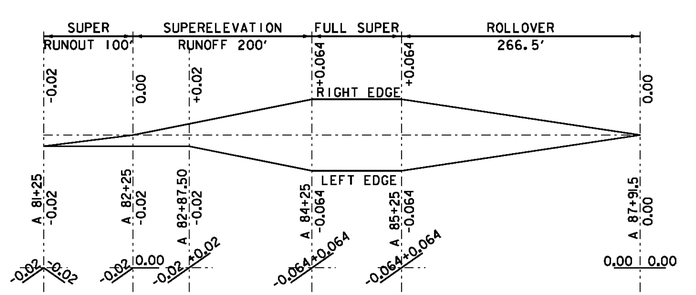

**SUPERELEVATION DIAGRAM** — NTS

**MONTGOMERY CURVE #42 / WESTFIELD CURVE #1**
PC = 199+82.82 R = 2875 FT - RT
PT = A 3+44.61 V = 50 MPH




**SUPERELEVATION DIAGRAM** — NTS

**WESTFIELD CURVE #9**
PC = A 58+63.94 R = 1250 FT - RT
PT = A 61+03.02 V = 50 MPH




**SUPERELEVATION DIAGRAM** — NTS

**WESTFIELD CURVE #12**
PC = A 83+88.98 R = 1400 FT - LT
PT = A 85+84.60 V = 50 MPH

**NOTES:**

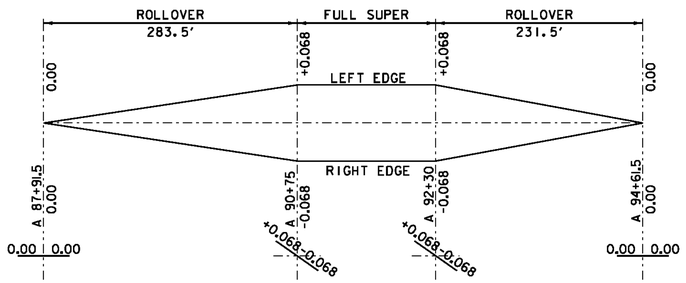
1. CURVES NOT SHOWN ON SUPERELEVATION BANKING DIAGRAM SHEETS DO NOT NEED TO BE SUPERELEVATED.

**SUPERELEVATION BANKING DIAGRAM SHEET 5**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_103.1

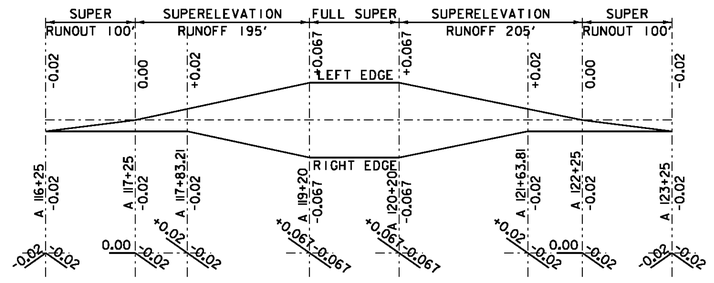
PLOT DATE: 9/5/12
DRAWN BY: BMB
CHECKED BY: EPD
SHEET 103 OF 178




**SUPERELEVATION DIAGRAM WESTFIELD CURVE #13**

NTS

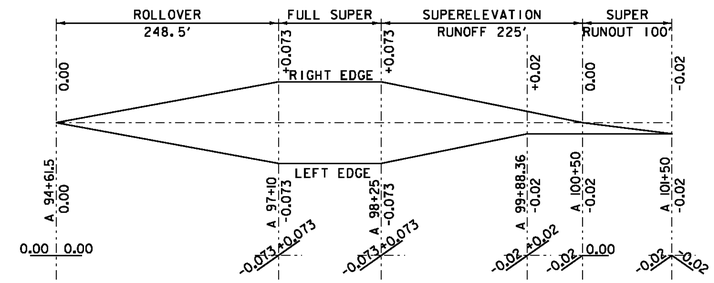
PC = A 90+11.10 R = 1250 FT - RT
PT = A 92+99.77 V = 50 MPH




**SUPERELEVATION DIAGRAM WESTFIELD CURVE #18**

NTS

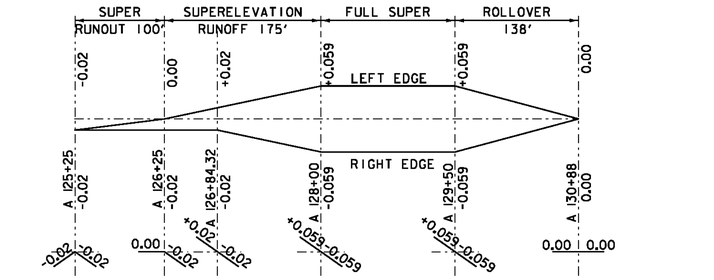
PC = A 118+96.05 R = 1300 FT - RT
PT = A 120+45.56 V = 50 MPH




**SUPERELEVATION DIAGRAM WESTFIELD CURVE #14**

NTS

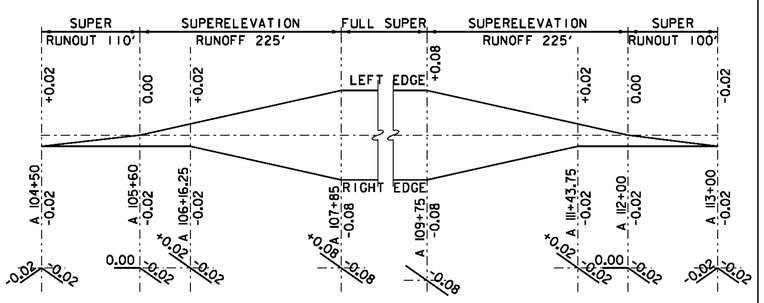
PC = A 96+36.35 R = 1000 FT - LT
PT = A 98+75.89 V = 50 MPH




**SUPERELEVATION DIAGRAM WESTFIELD CURVE #20**

NTS

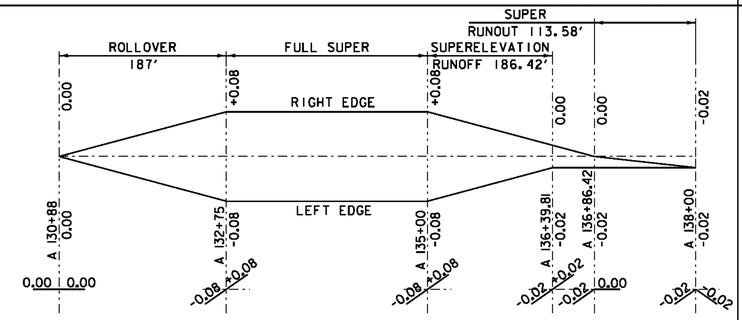
PC = A 127+50.94 R = 1600 FT - RT
PT = A 130+02.87 V = 50 MPH




**SUPERELEVATION DIAGRAM WESTFIELD CURVE #16**

NTS

PC = A 107+18.60 R = 550 FT - RT
PT = A 110+43.04 V = 40 MPH




**SUPERELEVATION DIAGRAM WESTFIELD CURVE #21**

NTS

PC = A 132+14.34 R = 530 FT - LT
PT = A 135+73.73 V = 50 MPH

**NOTES:**

1. CURVES NOT SHOWN ON SUPERELEVATION BANKING DIAGRAM SHEETS DO NOT NEED TO BE SUPERELEVATED.

**SUPERELEVATION BANKING DIAGRAM SHEET 6**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_104.1

PLOT DATE: 9/5/12
DRAWN BY: BMB
CHECKED BY: EPD
SHEET 104 OF 178

| Element | Point Type | Station | Northing | Easting | Radius | Length | Delta / Theta | Rotation Direction | Maximum Banking | Design Speed |
|---|---|---|---|---|---|---|---|---|---|---|
| Tangent | POB | 0+00.00 | 866592.821 | 1612410.951 | | | | | | |
| | PC | 0+16.41 | 866603.871 | 1612423.082 | | | | | | |
| Arc | PC | 0+16.41 | 866603.871 | 1612423.082 | 150 | 59.3 | 22°39'08.56" | Left | Match Existing | 30 |
| | PI | 0+46.45 | 866624.102 | 1612445.293 | | | | | | |
| | CC | | 866714.764 | 1612322.074 | | | | | | |
| | PT | 0+75.71 | 866651.327 | 1612458 | | | | | | |
| Tangent | PT | 0+75.71 | 866651.327 | 1612458 | | | | | | |
| | PC | 0+93.02 | 866667.008 | 1612465.318 | | | | | | |
| Arc | PC | 0+93.02 | 866667.008 | 1612465.318 | 1400 | 561.36 | 22°58'26.47" | Left | Match Existing | 30 |
| | PI | 3+77.52 | 866924.816 | 1612585.637 | | | | | | |
| | CC | | 867259.083 | 1611196.678 | | | | | | |
| | PT | 6+54.38 | 867209.138 | 1612595.787 | | | | | | |
| Tangent | PT | 6+54.38 | 867209.138 | 1612595.787 | | | | | | |
| | PC | 8+53.79 | 867408.418 | 1612602.901 | | | | | | |
| Arc | PC | 8+53.79 | 867408.418 | 1612602.901 | 320 | 198.6 | 35°33'31.81" | Right | NC | 30 |
| | PI | 9+56.40 | 867510.967 | 1612606.561 | | | | | | |
| | CC | | 867397.002 | 1612922.697 | | | | | | |
| | PCC | 10+52.38 | 867592.263 | 1612669.176 | | | | | | |
| Arc | PCC | 10+52.38 | 867592.263 | 1612669.176 | 642 | 113.19 | 10°06'06.91" | Right | NC | 30 |
| | PI | 11+09.13 | 867637.218 | 1612703.8 | | | | | | |
| | CC | | 867200.520 | 1613177.803 | | | | | | |
| | PT | 11+65.58 | 867675.403 | 1612745.772 | | | | | | |
| Tangent | PT | 11+65.58 | 867675.403 | 1612745.772 | | | | | | |
| | PC | 13+34.73 | 867789.233 | 1612870.893 | | | | | | |
| Arc | PC | 13+34.73 | 867789.233 | 1612870.893 | 3000 | 400.45 | 7°38'52.91" | Left | 0.02 | 30 |
| | PI | 15+35.25 | 867924.174 | 1613019.218 | | | | | | |
| | CC | | 870008.311 | 1610852.058 | | | | | | |
| | PT | 17+35.18 | 868077.655 | 1613148.265 | | | | | | |
| Tangent | PT | 17+35.18 | 868077.655 | 1613148.265 | | | | | | |
| | PC | 20+06.19 | 868285.089 | 1613322.676 | | | | | | |
| Arc | PC | 20+06.19 | 868285.089 | 1613322.676 | 420 | 346.59 | 47°16'52.36" | Right | 0.08 | 30 |
| | PI | 21+90.04 | 868425.806 | 1613440.992 | | | | | | |
| | CC | | 868014.797 | 1613644.145 | | | | | | |
| | PCC | 23+52.78 | 868434.344 | 1613624.642 | | | | | | |
| Arc | PCC | 23+52.78 | 868434.344 | 1613624.642 | 2000 | 227.45 | 6°30'56.96" | Right | 0.08 | 40 |
| | PI | 24+66.63 | 868439.630 | 1613738.364 | | | | | | |
| | CC | | 866436.501 | 1613717.515 | | | | | | |
| | PT | 25+80.23 | 868431.978 | 1613851.952 | | | | | | |
| Tangent | PT | 25+80.23 | 868431.978 | 1613851.952 | | | | | | |
| | PC | 27+08.58 | 868423.350 | 1613980.019 | | | | | | |
| Arc | PC | 27+08.58 | 868423.350 | 1613980.019 | 2000 | 333.14 | 9°32'37.53" | Left | 0.036 | 40 |
| | PI | 28+75.54 | 868412.127 | 1614146.598 | | | | | | |
| | CC | | 870418.826 | 1614114.456 | | | | | | |
| | PT | 30+41.72 | 868428.679 | 1614312.732 | | | | | | |
| Tangent | PT | 30+41.72 | 868428.679 | 1614312.732 | | | | | | |
| | PC | 32+24.54 | 868446.803 | 1614494.645 | | | | | | |
| Arc | PC | 32+24.54 | 868446.803 | 1614494.645 | 1200 | 242.53 | 11°34'48.60" | Right | 0.053 | 40 |
| | PI | 33+46.22 | 868458.866 | 1614615.727 | | | | | | |
| | CC | | 867252.714 | 1614613.61 | | | | | | |
| | PT | 34+67.07 | 868446.378 | 1614736.766 | | | | | | |
| Tangent | PT | 34+67.07 | 868446.378 | 1614736.766 | | | | | | |
| | PC | 35+59.21 | 868436.921 | 1614828.42 | | | | | | |
| Arc | PC | 35+59.21 | 868436.921 | 1614828.42 | 1250 | 343.99 | 15°46'03.18" | Left | 0.052 | 40 |
| | PI | 37+32.30 | 868419.157 | 1615000.597 | | | | | | |
| | CC | | 869680.321 | 1614956.707 | | | | | | |
| | PT | 39+03.21 | 868448.848 | 1615171.122 | | | | | | |
| Tangent | PT | 39+03.21 | 868448.848 | 1615171.122 | | | | | | |
| | PC | 40+36.22 | 868471.664 | 1615302.163 | | | | | | |
| Arc | PC | 40+36.22 | 868471.664 | 1615302.163 | 1300 | 276.93 | 12°12'19.72" | Left | 0.05 | 40 |
| | PI | 41+75.21 | 868495.505 | 1615439.096 | | | | | | |
| | CC | | 869752.396 | 1615079.171 | | | | | | |
| | PT | 43+13.15 | 868547.758 | 1615567.893 | | | | | | |

| Element | Point Type | Station | Northing | Easting | Radius | Length | Delta / Theta | Rotation Direction | Maximum Banking | Design Speed |
|---|---|---|---|---|---|---|---|---|---|---|
| Tangent | PT | 43+13.15 | 868547.758 | 1615567.893 | | | | | | |
| | PC | 44+46.41 | 868597.854 | 1615691.372 | | | | | | |
| Arc | PC | 44+46.41 | 868597.854 | 1615691.372 | 1825 | 676 | 21°13'22.26'' | Right | 0.042 | 40 |
| | PI | 47+88.32 | 868726.394 | 1616008.207 | | | | | | |
| | CC | | 866906.728 | 1616377.462 | | | | | | |
| | PT | 51+22.40 | 868731.523 | 1616350.085 | | | | | | |
| Tangent | PT | 51+22.40 | 868731.523 | 1616350.085 | | | | | | |
| | PC | 52+27.51 | 868733.099 | 1616455.177 | | | | | | |
| Arc | PC | 52+27.51 | 868733.099 | 1616455.177 | 1500 | 56.1 | 2°08'34.68" | Left | 0.02 | 40 |
| | PI | 52+55.56 | 868733.520 | 1616483.229 | | | | | | |
| | CC | | 870232.931 | 1616432.675 | | | | | | |
| | PT | 52+83.61 | 868734.990 | 1616511.245 | | | | | | |
| Tangent | PT | 52+83.61 | 868734.990 | 1616511.245 | | | | | | |
| | PC | 53+83.35 | 868740.214 | 1616610.851 | | | | | | |
| Arc | PC | 53+83.35 | 868740.214 | 1616610.851 | 800 | 269.53 | 19°18'13.08" | Right | 0.067 | 40 |
| | PI | 55+19.41 | 868747.341 | 1616746.718 | | | | | | |
| | CC | | 867941.313 | 1616652.755 | | | | | | |
| | PT | 56+52.88 | 868709.152 | 1616877.303 | | | | | | |
| Tangent | PT | 56+52.88 | 868709.152 | 1616877.303 | | | | | | |
| | PC | 57+78.93 | 868673.771 | 1616998.288 | | | | | | |
| Arc | PC | 57+78.93 | 868673.771 | 1616998.288 | 1600 | 259.65 | 9°17'52.38" | Left | 0.043 | 40 |
| | PI | 59+09.04 | 868637.252 | 1617123.166 | | | | | | |
| | CC | | 870209.451 | 1617447.385 | | | | | | |
| | PT | 60+38.58 | 868621.388 | 1617252.304 | | | | | | |
| Tangent | PT | 60+38.58 | 868621.388 | 1617252.304 | | | | | | |
| | PC | 61+22.46 | 868611.161 | 1617335.555 | | | | | | |
| Arc | PC | 61+22.46 | 868611.161 | 1617335.555 | 1550 | 259.58 | 9°35'43.23" | Left | 0.043 | 40 |
| | PI | 62+52.55 | 868595.300 | 1617464.678 | | | | | | |
| | CC | | 870149.597 | 1617524.54 | | | | | | |
| | PT | 63+82.04 | 868601.183 | 1617594.639 | | | | | | |
| Tangent | PT | 63+82.04 | 868601.183 | 1617594.639 | | | | | | |
| | PC | 65+04.34 | 868606.714 | 1617716.815 | | | | | | |
| Arc | PC | 65+04.34 | 868606.714 | 1617716.815 | 4000 | 85.75 | 1°13'41.75" | Left | 0.02 | 40 |
| | PI | 65+47.21 | 868608.653 | 1617759.648 | | | | | | |
| | CC | | 872602.621 | 1617535.915 | | | | | | |
| | PT | 65+90.09 | 868611.510 | 1617802.429 | | | | | | |
| Tangent | PT | 65+90.09 | 868611.510 | 1617802.429 | | | | | | |
| | PC | 66+88.83 | 868618.089 | 1617900.949 | | | | | | |
| Arc | PC | 66+88.83 | 868618.089 | 1617900.949 | 1350 | 293.22 | 12°26'40.04" | Left | 0.049 | 40 |
| | PI | 68+36.01 | 868627.896 | 1618047.809 | | | | | | |
| | CC | | 869965.089 | 1617811.001 | | | | | | |
| | PT | 69+82.04 | 868669.119 | 1618189.105 | | | | | | |
| Tangent | PT | 69+82.04 | 868669.119 | 1618189.105 | | | | | | |
| | PC | 72+03.09 | 868731.031 | 1618401.309 | | | | | | |
| Arc | PC | 72+03.09 | 868731.031 | 1618401.309 | 900 | 601.3 | 38°16'47.41" | Right | Match Existing | 40 |
| | PI | 75+15.45 | 868818.515 | 1618701.164 | | | | | | |
| | CC | | 867867.051 | 1618653.379 | | | | | | |
| | PT | 78+04.39 | 868701.428 | 1618990.744 | | | | | | |
| Tangent | PT | 78+04.39 | 868701.428 | 1618990.744 | | | | | | |
| | PC | 79+60.99 | 868642.728 | 1619135.923 | | | | | | |
| Arc | PC | 79+60.99 | 868642.728 | 1619135.923 | 1100 | 419.23 | 21°50'12.16" | Left | Match Existing | 50 |
| | PI | 81+73.18 | 868563.187 | 1619332.643 | | | | | | |
| | CC | | 869662.522 | 1619548.258 | | | | | | |
| | PT | 83+80.22 | 868562.527 | 1619544.834 | | | | | | |
| Tangent | PT | 83+80.22 | 868562.527 | 1619544.834 | | | | | | |
| | PC | 86+16.45 | 868561.792 | 1619781.057 | | | | | | |
| Arc | PC | 86+16.45 | 868561.792 | 1619781.057 | 1600 | 183.17 | 6°33'33.38" | Right | Match Existing | 50 |
| | PI | 87+08.13 | 868561.507 | 1619872.741 | | | | | | |
| | CC | | 866961.800 | 1619776.078 | | | | | | |
| | PT | 87+99.62 | 868550.750 | 1619963.793 | | | | | | |

| Element | Point Type | Station | Northing | Easting | Radius | Length | Delta / Theta | Rotation Direction | Maximum Banking | Design Speed |
|---|---|---|---|---|---|---|---|---|---|---|
| Tangent | PT | 87+99.62 | 868550.750 | 1619963.793 | | | | | | |
| | PC | 89+83.34 | 868529.196 | 1620146.243 | | | | | | |
| Arc | PC | 89+83.34 | 868529.196 | 1620146.243 | 2100 | 331.69 | 9°02'59.34" | Left | 0.049 | 50 |
| | PI | 91+49.53 | 868509.698 | 1620311.287 | | | | | | |
| | CC | | 870614.693 | 1620392.619 | | | | | | |
| | PT | 93+15.03 | 868516.403 | 1620477.344 | | | | | | |
| Tangent | PT | 93+15.03 | 868516.403 | 1620477.344 | | | | | | |
| | PC | 95+35.10 | 868525.281 | 1620697.233 | | | | | | |
| Arc | PC | 95+35.10 | 868525.281 | 1620697.233 | 6000 | 290.24 | 2°46'17.70" | Left | RC | 50 |
| | PI | 96+80.25 | 868531.137 | 1620842.263 | | | | | | |
| | CC | | 874520.396 | 1620455.163 | | | | | | |
| | PT | 98+25.34 | 868543.999 | 1620986.84 | | | | | | |
| Tangent | PT | 98+25.34 | 868543.999 | 1620986.84 | | | | | | |
| | PC | 101+47.71 | 868572.566 | 1621307.947 | | | | | | |
| Arc | PC | 101+47.71 | 868572.566 | 1621307.947 | 1700 | 541.77 | 18°15'34.38" | Right | 0.056 | 50 |
| | PI | 104+20.91 | 868596.775 | 1621580.074 | | | | | | |
| | CC | | 866879.253 | 1621458.589 | | | | | | |
| | PT | 106+89.48 | 868534.502 | 1621846.084 | | | | | | |
| Tangent | PT | 106+89.48 | 868534.502 | 1621846.084 | | | | | | |
| | PC | 108+01.08 | 868509.066 | 1621954.739 | | | | | | |
| Arc | PC | 108+01.08 | 868509.066 | 1621954.739 | 1750 | 278.9 | 9°07'52.14" | Left | 0.04 | 40 |
| | PI | 109+40.82 | 868477.213 | 1622090.804 | | | | | | |
| | CC | | 870212.998 | 1622353.632 | | | | | | |
| | PT | 110+79.97 | 868467.356 | 1622230.2 | | | | | | |
| Tangent | PT | 110+79.97 | 868467.356 | 1622230.2 | | | | | | |
| | PC | 112+03.96 | 868458.611 | 1622353.878 | | | | | | |
| Arc | PC | 112+03.96 | 868458.611 | 1622353.878 | 2490 | 201.02 | 4°37'31.91" | Right | 0.041 | 40 |
| | PI | 113+04.52 | 868451.518 | 1622454.192 | | | | | | |
| | CC | | 865974.812 | 1622178.252 | | | | | | |
| | PCC | 114+04.98 | 868436.358 | 1622553.608 | | | | | | |
| Arc | PCC | 114+04.98 | 868436.358 | 1622553.608 | 1200 | 371 | 17°42'50.91" | Right | 0.07 | 50 |
| | PI | 115+91.97 | 868408.170 | 1622738.465 | | | | | | |
| | CC | | 867250.071 | 1622372.713 | | | | | | |
| | PT | 117+75.98 | 868325.072 | 1622905.98 | | | | | | |
| Tangent | PT | 117+75.98 | 868325.072 | 1622905.98 | | | | | | |
| | PC | 120+27.13 | 868213.464 | 1623130.968 | | | | | | |
| Arc | PC | 120+27.13 | 868213.464 | 1623130.968 | 1525 | 381.61 | 14°20'14.30" | Left | 0.063 | 50 |
| | PI | 122+18.94 | 868128.228 | 1623302.794 | | | | | | |
| | CC | | 869579.610 | 1623808.662 | | | | | | |
| | PT | 124+08.74 | 868088.196 | 1623490.374 | | | | | | |
| Tangent | PT | 124+08.74 | 868088.196 | 1623490.374 | | | | | | |
| | PC | 125+46.58 | 868059.426 | 1623625.183 | | | | | | |
| Arc | PC | 125+46.58 | 868059.426 | 1623625.183 | 2000 | 69.89 | 2°00'07.74" | Left | 0.051 | 50 |
| | PI | 125+81.53 | 868052.132 | 1623659.361 | | | | | | |
| | CC | | 870015.379 | 1624042.609 | | | | | | |
| | PT | 126+16.47 | 868046.036 | 1623693.773 | | | | | | |
| Tangent | PT | 126+16.47 | 868046.036 | 1623693.773 | | | | | | |
| | PC | 128+22.52 | 868010.097 | 1623896.663 | | | | | | |
| Arc | PC | 128+22.52 | 868010.097 | 1623896.663 | 1650 | 468.39 | 16°15'53.38" | Left | 0.058 | 50 |
| | PI | 130+58.30 | 867968.973 | 1624128.831 | | | | | | |
| | CC | | 869634.806 | 1624184.453 | | | | | | |
| | PT | 132+90.91 | 867994.519 | 1624363.225 | | | | | | |
| Tangent | PT | 132+90.91 | 867994.519 | 1624363.225 | | | | | | |
| | PC | 133+59.95 | 868001.999 | 1624431.854 | | | | | | |
| Arc | PC | 133+59.95 | 868001.999 | 1624431.854 | 925 | 260.36 | 16°07'37.86" | Right | 0.077 | 50 |
| | PI | 134+91.00 | 868016.197 | 1624562.13 | | | | | | |
| | CC | | 867082.444 | 1624532.075 | | | | | | |
| | PT | 136+20.31 | 867993.650 | 1624691.223 | | | | | | |

PC - POINT OF CURVATURE
PCC - POINT OF COMPOUND CURVE
PT - POINT OF TANGENCY
PI - POINT OF INTERSECTION
CC - RADIUS POINT

**HORIZONTAL ALIGNMENT TABLE SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_105.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 105 OF 178

| Element | Point Type | Station | Northing | Easting | Radius | Length | Delta / Theta | Rotation Direction | Maximum Banking | Design Speed |
|---|---|---|---|---|---|---|---|---|---|---|
| Tangent | PT | 136+20.31 | 867993.650 | 1624691.223 | | | | | | |
| | PC | 139+75.17 | 867932.596 | 1625040.793 | | | | | | |
| Arc | PC | 139+75.17 | 867932.596 | 1625040.793 | 2800 | 170.96 | 3°29'53.90" | Left | 0.039 | 50 |
| | PI | 140+60.68 | 867917.884 | 1625125.024 | | | | | | |
| | CC | | 870690.842 | 1625522.539 | | | | | | |
| | PT | 141+46.13 | 867908.340 | 1625209.996 | | | | | | |
| Tangent | PT | 141+46.13 | 867908.340 | 1625209.996 | | | | | | |
| | PC | 142+73.22 | 867894.154 | 1625336.291 | | | | | | |
| Arc | PC | 142+73.22 | 867894.154 | 1625336.291 | 2200 | 225.24 | 5°51'58.10" | Left | 0.048 | 50 |
| | PI | 143+85.94 | 867881.571 | 1625448.307 | | | | | | |
| | CC | | 870080.405 | 1625581.861 | | | | | | |
| | PT | 144+98.46 | 867880.504 | 1625561.022 | | | | | | |
| Tangent | PT | 144+98.46 | 867880.504 | 1625561.022 | | | | | | |
| | PC | 144+99.35 | 867880.495 | 1625561.912 | | | | | | |
| Arc | PC | 144+99.35 | 867880.495 | 1625561.912 | 600 | 302.26 | 28°51'50.11" | Left | 0.08 | 40 |
| | PI | 146+53.76 | 867879.033 | 1625716.316 | | | | | | |
| | CC | | 868480.468 | 1625567.596 | | | | | | |
| | PT | 148+01.62 | 867952.287 | 1625852.244 | | | | | | |
| Tangent | PT | 148+01.62 | 867952.287 | 1625852.244 | | | | | | |
| | PC | 148+47.14 | 867973.882 | 1625892.315 | | | | | | |
| Arc | PC | 148+47.14 | 867973.882 | 1625892.315 | 650 | 127.56 | 11°14'39.68" | Left | 0.08 | 45 |
| | PI | 149+11.12 | 868004.239 | 1625948.643 | | | | | | |
| | CC | | 868546.079 | 1625583.946 | | | | | | |
| | PT | 149+74.70 | 868044.996 | 1625997.97 | | | | | | |
| Tangent | PT | 149+74.70 | 868044.996 | 1625997.97 | | | | | | |
| | PC | 150+50.99 | 868093.593 | 1626056.785 | | | | | | |
| Arc | PC | 150+50.99 | 868093.593 | 1626056.785 | 2100 | 550.54 | 15°01'14.97" | Right | 0.049 | 50 |
| | PI | 153+27.85 | 868269.941 | 1626270.214 | | | | | | |
| | CC | | 866474.710 | 1627394.403 | | | | | | |
| | PT | 156+01.54 | 868384.949 | 1626522.055 | | | | | | |
| Tangent | PT | 156+01.54 | 868384.949 | 1626522.055 | | | | | | |
| | PC | 158+41.33 | 868484.561 | 1626740.183 | | | | | | |
| Arc | PC | 158+41.33 | 868484.561 | 1626740.183 | 1700 | 249.86 | 8°25'16.64" | Right | 0.057 | 50 |
| | PI | 159+66.49 | 868536.552 | 1626854.031 | | | | | | |
| | CC | | 866938.178 | 1627446.369 | | | | | | |
| | PT | 160+91.20 | 868571.309 | 1626974.266 | | | | | | |
| Tangent | PT | 160+91.20 | 868571.309 | 1626974.266 | | | | | | |
| | PC | 161+40.83 | 868585.093 | 1627021.947 | | | | | | |
| Arc | PC | 161+40.83 | 868585.093 | 1627021.947 | 1155 | 151.95 | 7°32'16.52" | Right | 0.072 | 50 |
| | PI | 162+16.92 | 868606.223 | 1627095.041 | | | | | | |
| | CC | | 867475.524 | 1627342.7 | | | | | | |
| | PCC | 162+92.78 | 868617.581 | 1627170.275 | | | | | | |
| Arc | PCC | 162+92.78 | 868617.581 | 1627170.275 | 480 | 217.62 | 25°58'33.51" | Right | 0.072 | 35 |
| | PI | 164+03.49 | 868634.109 | 1627279.745 | | | | | | |
| | CC | | 868142.960 | 1627241.932 | | | | | | |
| | PT | 165+10.40 | 868601.019 | 1627385.395 | | | | | | |
| Tangent | PT | 165+10.40 | 868601.019 | 1627385.395 | | | | | | |
| | PC | 165+93.71 | 868576.118 | 1627464.902 | | | | | | |
| Arc | PC | 165+93.71 | 868576.118 | 1627464.902 | 480 | 268.33 | 32°01'48.25" | Left | 0.076 | 35 |
| | PI | 167+31.49 | 868534.940 | 1627596.379 | | | | | | |
| | CC | | 869034.177 | 1627608.365 | | | | | | |
| | PT | 168+62.05 | 868569.760 | 1627729.68 | | | | | | |
| Tangent | PT | 168+62.05 | 868569.760 | 1627729.68 | | | | | | |
| | PC | 171+64.65 | 868646.239 | 1628022.458 | | | | | | |
| Arc | PC | 171+64.65 | 868646.239 | 1628022.458 | 5000 | 291.96 | 3°20'44.05" | Right | 0.024 | 50 |
| | PI | 173+10.67 | 868683.144 | 1628163.736 | | | | | | |
| | CC | | 863808.566 | 1629286.149 | | | | | | |
| | PT | 174+56.61 | 868711.741 | 1628306.928 | | | | | | |
| Tangent | PT | 174+56.61 | 868711.741 | 1628306.928 | | | | | | |
| | PC | 176+90.45 | 868757.538 | 1628536.241 | | | | | | |

| Element | Point Type | Station | Northing | Easting | Radius | Length | Delta / Theta | Rotation Direction | Maximum Banking | Design Speed |
|---|---|---|---|---|---|---|---|---|---|---|
| Arc | PC | 176+90.45 | 868757.538 | 1628536.241 | 5000 | 235.99 | 2°42'15.14" | Left | 0.024 | 50 |
| | PI | 178+08.46 | 868780.650 | 1628651.97 | | | | | | |
| | CC | | 873660.713 | 1627557.02 | | | | | | |
| | PT | 179+26.43 | 868809.197 | 1628766.481 | | | | | | |
| Tangent | PT | 179+26.43 | 868809.197 | 1628766.481 | | | | | | |
| | PC | 181+25.84 | 868857.432 | 1628959.965 | | | | | | |
| Arc | PC | 181+25.84 | 868857.432 | 1628959.965 | 5000 | 150.11 | 1°43'12.43" | Right | 0.024 | 50 |
| | PI | 182+00.90 | 868875.588 | 1629032.796 | | | | | | |
| | CC | | 864005.916 | 1630169.426 | | | | | | |
| | PT | 182+75.95 | 868891.550 | 1629106.139 | | | | | | |
| Tangent | PT | 182+75.95 | 868891.550 | 1629106.139 | | | | | | |
| | PC | 184+42.85 | 868927.043 | 1629269.221 | | | | | | |
| Arc | PC | 184+42.85 | 868927.043 | 1629269.221 | 5000 | 142.35 | 1°37'52.43" | Right | 0.024 | 50 |
| | PI | 185+14.03 | 868942.180 | 1629338.774 | | | | | | |
| | CC | | 864041.409 | 1630332.508 | | | | | | |
| | PT | 185+85.20 | 868955.331 | 1629408.729 | | | | | | |
| Tangent | PT | 185+85.20 | 868955.331 | 1629408.729 | | | | | | |
| | PC | 189+94.81 | 869031.008 | 1629811.286 | | | | | | |
| Arc | PC | 189+94.81 | 869031.008 | 1629811.286 | 560 | 334.18 | 34°11'27.98" | Left | 0.08 | 40 |
| | PI | 191+67.04 | 869062.829 | 1629980.552 | | | | | | |
| | CC | | 869581.368 | 1629707.822 | | | | | | |
| | PT | 193+28.99 | 869184.270 | 1630102.681 | | | | | | |
| Tangent | PT | 193+28.99 | 869184.270 | 1630102.681 | | | | | | |
| | PC | 199+82.82 | 869645.293 | 1630566.319 | | | | | | |
| Arc | PC | 199+82.82 | 869645.293 | 1630566.319 | 2875 | 441.04 | 8°47'22.13" | Right | 0.038 | 50 |
| | PI | A 1+24.53 | 869801.089 | 1630722.998 | | | | | | |
| | CC | | 867606.622 | 1632593.495 | | | | | | |
| Back Station | | 200+79.25 | 869712.125 | 1630635.822 | | | | | | |
| Ahead Station | | A 0+00.00 | | | | | | | | |
| Arc | PT | A 3+44.61 | 869931.114 | 1630901.643 | | | | | | |
| Tangent | PT | A 3+44.61 | 869931.114 | 1630901.643 | | | | | | |
| | PC | A 6+52.37 | 870112.219 | 1631150.47 | | | | | | |
| Arc | PC | A 6+52.37 | 870112.219 | 1631150.47 | 10000 | 120.26 | 0°41'20.44" | Right | NC | 50 |
| | PI | A 7+12.50 | 870147.603 | 1631199.085 | | | | | | |
| | CC | | 862027.030 | 1637035.172 | | | | | | |
| | PT | A 7+72.63 | 870182.400 | 1631248.122 | | | | | | |
| Tangent | PT | A 7+72.63 | 870182.400 | 1631248.122 | | | | | | |
| | PC | A 14+67.96 | 870584.794 | 1631815.194 | | | | | | |
| Arc | PC | A 14+67.96 | 870584.794 | 1631815.194 | 10000 | 65.46 | 0°22'30.17" | Left | NC | 50 |
| | PI | A 15+00.69 | 870603.735 | 1631841.886 | | | | | | |
| | CC | | 878740.164 | 1626028.144 | | | | | | |
| | PT | A 15+33.42 | 870622.850 | 1631868.454 | | | | | | |
| Tangent | PT | A 15+33.42 | 870622.850 | 1631868.454 | | | | | | |
| | PC | A 21+08.75 | 870958.862 | 1632335.469 | | | | | | |
| Arc | PC | A 21+08.75 | 870958.862 | 1632335.469 | 10000 | 37.04 | 0°12'43.97" | Right | NC | 50 |
| | PI | A 21+27.27 | 870969.677 | 1632350.502 | | | | | | |
| | CC | | 862841.548 | 1638175.779 | | | | | | |
| | PT | A 21+45.79 | 870980.437 | 1632365.574 | | | | | | |
| Tangent | PT | A 21+45.79 | 870980.437 | 1632365.574 | | | | | | |
| | PC | A 27+37.29 | 871324.112 | 1632846.991 | | | | | | |
| Arc | PC | A 27+37.29 | 871324.112 | 1632846.991 | 1550 | 521.82 | 19°17'21.33" | Left | 0.06 | 50 |
| | PI | A 30+00.70 | 871477.156 | 1633061.374 | | | | | | |
| | CC | | 872585.640 | 1631946.409 | | | | | | |
| | PT | A 32+59.12 | 871692.427 | 1633213.165 | | | | | | |
| Tangent | PT | A 32+59.12 | 871692.427 | 1633213.165 | | | | | | |
| | PC | A 39+89.62 | 872289.436 | 1633634.128 | | | | | | |
| Arc | PC | A 39+89.62 | 872289.436 | 1633634.128 | 10000 | 83.55 | 0°28'43.37" | Left | NC | 50 |
| | PI | A 40+31.39 | 872323.578 | 1633658.202 | | | | | | |
| | CC | | 878052.104 | 1625461.512 | | | | | | |
| | PT | A 40+73.17 | 872357.920 | 1633681.99 | | | | | | |

| Element | Point Type | Station | Northing | Easting | Radius | Length | Delta / Theta | Rotation Direction | Maximum Banking | Design Speed |
|---|---|---|---|---|---|---|---|---|---|---|
| Tangent | PT | A 40+73.17 | 872357.920 | 1633681.99 | | | | | | |
| | PC | A 45+14.05 | 872720.347 | 1633933.037 | | | | | | |
| Arc | PC | A 45+14.05 | 872720.347 | 1633933.037 | 1950 | 621.19 | 18°15'07.89" | Right | 0.052 | 50 |
| | PI | A 48+27.30 | 872977.854 | 1634111.408 | | | | | | |
| | CC | | 871609.981 | 1635536.03 | | | | | | |
| | PT | A 51+35.25 | 873166.539 | 1634361.455 | | | | | | |
| Tangent | PT | A 51+35.25 | 873166.539 | 1634361.455 | | | | | | |
| | PC | A 54+77.20 | 873372.516 | 1634634.417 | | | | | | |
| Arc | PC | A 54+77.20 | 873372.516 | 1634634.417 | 10000 | 73.41 | 0°25'14.22" | Left | NC | 50 |
| | PI | A 55+13.91 | 873394.626 | 1634663.717 | | | | | | |
| | CC | | 881354.864 | 1628610.954 | | | | | | |
| | PT | A 55+50.61 | 873416.950 | 1634692.854 | | | | | | |
| Tangent | PT | A 55+50.61 | 873416.950 | 1634692.854 | | | | | | |
| | PC | A 58+63.94 | 873607.509 | 1634941.566 | | | | | | |
| Arc | PC | A 58+63.94 | 873607.509 | 1634941.566 | 1250 | 239.08 | 10°57'31.71" | Right | 0.068 | 50 |
| | PI | A 59+83.85 | 873680.436 | 1635036.748 | | | | | | |
| | CC | | 872615.270 | 1635701.804 | | | | | | |
| | PT | A 61+03.02 | 873733.938 | 1635144.058 | | | | | | |
| Tangent | PT | A 61+03.02 | 873733.938 | 1635144.058 | | | | | | |
| | PC | A 64+08.79 | 873870.371 | 1635417.701 | | | | | | |
| Arc | PC | A 64+08.79 | 873870.371 | 1635417.701 | 740 | 680.17 | 52°39'47.28" | Left | 0.08 | 45 |
| | PI | A 67+75.03 | 874033.786 | 1635745.46 | | | | | | |
| | CC | | 874532.623 | 1635087.515 | | | | | | |
| | PT | A 70+88.96 | 874393.492 | 1635814.318 | | | | | | |
| Tangent | PT | A 70+88.96 | 874393.492 | 1635814.318 | | | | | | |
| | PC | A 73+29.96 | 874630.193 | 1635859.629 | | | | | | |
| Arc | PC | A 73+29.96 | 874630.193 | 1635859.629 | 1100 | 293.38 | 15°16'53.31" | Right | 0.072 | 50 |
| | PI | A 74+77.52 | 874775.128 | 1635887.374 | | | | | | |
| | CC | | 874423.377 | 1636940.012 | | | | | | |
| | PT | A 76+23.34 | 874907.627 | 1635952.337 | | | | | | |
| Tangent | PT | A 76+23.34 | 874907.627 | 1635952.337 | | | | | | |
| | PC | A 83+88.98 | 875595.086 | 1636289.394 | | | | | | |
| Arc | PC | A 83+88.98 | 875595.086 | 1636289.394 | 1400 | 195.62 | 8°00'20.89" | Left | 0.064 | 50 |
| | PI | A 84+86.95 | 875683.050 | 1636332.522 | | | | | | |
| | CC | | 876211.404 | 1635032.353 | | | | | | |
| | PT | A 85+84.60 | 875776.165 | 1636362.979 | | | | | | |
| Tangent | PT | A 85+84.60 | 875776.165 | 1636362.979 | | | | | | |
| | PC | A 90+11.10 | 876181.537 | 1636495.574 | | | | | | |
| Arc | PC | A 90+11.10 | 876181.537 | 1636495.574 | 1250 | 288.66 | 13°13'52.85" | Right | 0.068 | 50 |
| | PI | A 91+56.08 | 876319.329 | 1636540.645 | | | | | | |
| | CC | | 875792.930 | 1637683.633 | | | | | | |
| | PT | A 92+99.77 | 876443.148 | 1636616.058 | | | | | | |
| Tangent | PT | A 92+99.77 | 876443.148 | 1636616.058 | | | | | | |
| | PC | A 96+36.35 | 876730.608 | 1636791.139 | | | | | | |
| Arc | PC | A 96+36.35 | 876730.608 | 1636791.139 | 1000 | 239.54 | 13°43'28.25" | Left | 0.073 | 50 |
| | PI | A 97+56.69 | 876833.389 | 1636853.739 | | | | | | |
| | CC | | 877250.782 | 1635937.078 | | | | | | |
| | PT | A 98+75.89 | 876948.089 | 1636890.167 | | | | | | |
| Tangent | PT | A 98+75.89 | 876948.089 | 1636890.167 | | | | | | |
| | PC | A 102+15.06 | 877271.350 | 1636992.832 | | | | | | |
| Arc | PC | A 102+15.06 | 877271.350 | 1636992.832 | 10000 | 108.82 | 0°37'24.58" | Left | NC | 50 |
| | PI | A 102+69.47 | 877323.208 | 1637009.302 | | | | | | |
| | CC | | 880298.283 | 1627461.951 | | | | | | |
| | PT | A 103+23.88 | 877375.243 | 1637025.206 | | | | | | |
| Tangent | PT | A 103+23.88 | 877375.243 | 1637025.206 | | | | | | |
| | PC | A 107+18.60 | 877752.721 | 1637140.583 | | | | | | |

PC - POINT OF CURVATURE
PCC - POINT OF COMPOUND CURVE
PT - POINT OF TANGENCY

PI - POINT OF INTERSECTION
CC - RADIUS POINT

**HORIZONTAL ALIGNMENT TABLE SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_106.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 106 OF 178

| Element | Point Type | Station | Northing | Easting | Radius | Length | Delta / Theta | Rotation Direction | Maximum Banking | Design Speed |
|---|---|---|---|---|---|---|---|---|---|---|
| Arc | PC | A 107+18.60 | 877752.721 | 1637140.583 | 550 | 324.44 | 33°47'55.17" | Right | 0.08 | 40 |
| | PI | A 108+85.69 | 877912.519 | 1637189.426 | | | | | | |
| | CC | | 877591.954 | 1637666.567 | | | | | | |
| | PT | A 110+43.04 | 878018.141 | 1637318.906 | | | | | | |
| | | | | | | | | | | |
| Tangent | PT | A 110+43.04 | 878018.141 | 1637318.906 | | | | | | |
| | PC | A 115+14.88 | 878316.389 | 1637684.525 | | | | | | |
| | | | | | | | | | | |
| Arc | PC | A 115+14.88 | 878316.389 | 1637684.525 | 10000 | 44.98 | 0°15'27.76" | Left | NC | 50 |
| | PI | A 115+37.37 | 878330.605 | 1637701.952 | | | | | | |
| | CC | | 886065.238 | 1631363.501 | | | | | | |
| | PT | A 115+59.86 | 878344.899 | 1637719.314 | | | | | | |
| | | | | | | | | | | |
| Tangent | PT | A 115+59.86 | 878344.899 | 1637719.314 | | | | | | |
| | PC | A 118+96.05 | 878558.580 | 1637978.871 | | | | | | |
| | | | | | | | | | | |
| Arc | PC | A 118+96.05 | 878558.580 | 1637978.871 | 1300 | 149.51 | 6°35'22.17" | Right | 0.067 | 50 |
| | PI | A 119+70.89 | 878606.146 | 1638036.648 | | | | | | |
| | CC | | 877554.936 | 1638805.126 | | | | | | |
| | PT | A 120+45.56 | 878646.767 | 1638099.502 | | | | | | |
| | | | | | | | | | | |
| Tangent | PT | A 120+45.56 | 878646.767 | 1638099.502 | | | | | | |
| | PC | A 124+90.88 | 878888.478 | 1638473.508 | | | | | | |
| | | | | | | | | | | |
| Arc | PC | A 124+90.88 | 878888.478 | 1638473.508 | 10000 | 131.35 | 0°45'09.33" | Left | NC | 50 |
| | PI | A 125+56.55 | 878924.126 | 1638528.668 | | | | | | |
| | CC | | 887287.176 | 1633045.63 | | | | | | |
| | PT | A 126+22.23 | 878960.496 | 1638583.355 | | | | | | |
| | | | | | | | | | | |
| Tangent | PT | A 126+22.23 | 878960.496 | 1638583.355 | | | | | | |
| | PC | A 127+50.94 | 879031.772 | 1638690.527 | | | | | | |
| | | | | | | | | | | |
| Arc | PC | A 127+50.94 | 879031.772 | 1638690.527 | 1600 | 251.93 | 9°01'17.89" | Right | 0.059 | 50 |
| | PI | A 128+77.17 | 879101.673 | 1638795.632 | | | | | | |
| | CC | | 877699.503 | 1639576.563 | | | | | | |
| | PT | A 130+02.87 | 879154.228 | 1638910.397 | | | | | | |
| | | | | | | | | | | |
| Tangent | PT | A 130+02.87 | 879154.228 | 1638910.397 | | | | | | |
| | PC | A 132+14.34 | 879242.272 | 1639102.662 | | | | | | |
| | | | | | | | | | | |
| Arc | PC | A 132+14.34 | 879242.272 | 1639102.662 | 530 | 359.4 | 38°51'09.92" | Left | 0.08 | 50 |
| | PI | A 134+01.25 | 879320.095 | 1639272.607 | | | | | | |
| | CC | | 879724.149 | 1638881.995 | | | | | | |
| | PT | A 135+73.73 | 879487.311 | 1639356.134 | | | | | | |
| | | | | | | | | | | |
| Tangent | PT | A 135+73.73 | 879487.311 | 1639356.134 | | | | | | |
| | POE | A 136+78.60 | 879581.127 | 1639402.996 | | | | | | |

PC - POINT OF CURVATURE
PCC - POINT OF COMPOUND CURVE
PT - POINT OF TANGENCY
PI - POINT OF INTERSECTION
CC - RADIUS POINT

**HORIZONTAL ALIGNMENT TABLE SHEET 3**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_107.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 107 OF 178

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Linear | POB | 0+20.00 | 528.73 | 10 | 0.91% | | | | |
| | PVC | 0+30.00 | 528.82 | | | | | | |
| Symmetrical Parabola | PVC | 0+30.00 | 528.82 | 40 | 0.91% | -0.10% | 39.72 | -0.05 | 1091.48 |
| | PVI | 0+50.00 | 529 | | | | | | |
| | POVC | 0+50.00 | 528.95 | | | | | | |
| | VHIGH | 0+66.22 | 528.98 | | | | | | |
| | PVT | 0+70.00 | 528.98 | | | | | | |
| Linear | PVT | 0+70.00 | 528.98 | 105 | -0.10% | | | | |
| | POVT | 1+00.00 | 528.95 | | | | | | |
| | POVT | 1+50.00 | 528.9 | | | | | | |
| | PVC | 1+75.00 | 528.88 | | | | | | |
| Symmetrical Parabola | PVC | 1+75.00 | 528.88 | 170 | -0.10% | 11.66% | 14.47 | 2.5 | |
| | VLOW | 1+76.38 | 528.88 | | | | | | |
| | POVC | 2+00.00 | 529.07 | | | | | | |
| | POVC | 2+50.00 | 530.75 | | | | | | |
| | PVI | 2+60.00 | 528.8 | | | | | | |
| | POVC | 3+00.00 | 534.16 | | | | | | |
| | PVRC | 3+45.00 | 538.71 | | | | | | |
| Symmetrical Parabola | PVRC | 3+45.00 | 538.71 | 150 | 11.66% | 1.33% | 14.53 | -1.94 | 179.54 |
| | POVC | 3+50.00 | 539.28 | | | | | | |
| | POVC | 4+00.00 | 544.08 | | | | | | |
| | PVI | 4+20.00 | 547.45 | | | | | | |
| | POVC | 4+50.00 | 547.15 | | | | | | |
| | PVT | 4+95.00 | 548.45 | | | | | | |
| Linear | PVT | 4+95.00 | 548.45 | 70 | 1.33% | | | | |
| | POVT | 5+00.00 | 548.52 | | | | | | |
| | POVT | 5+50.00 | 549.18 | | | | | | |
| | PVC | 5+65.00 | 549.38 | | | | | | |
| Symmetrical Parabola | PVC | 5+65.00 | 549.38 | 220 | 1.33% | 12.96% | 18.92 | 3.2 | |
| | POVC | 6+00.00 | 550.17 | | | | | | |
| | POVC | 6+50.00 | 552.43 | | | | | | |
| | PVI | 6+75.00 | 550.85 | | | | | | |
| | POVC | 7+00.00 | 556 | | | | | | |
| | POVC | 7+50.00 | 560.9 | | | | | | |
| | PVT | 7+85.00 | 565.11 | | | | | | |
| Linear | PVT | 7+85.00 | 565.11 | 110 | 12.96% | | | | |
| | POVT | 8+00.00 | 567.05 | | | | | | |
| | POVT | 8+50.00 | 573.54 | | | | | | |
| | PVC | 8+95.00 | 579.37 | | | | | | |
| | POVC | 10+00.00 | 586.92 | | | | | | |
| | PVT | 10+05.00 | 586.98 | | | | | | |
| Symmetrical Parabola | PVC | 8+95.00 | 579.37 | 110 | 12.96% | 0.88% | 9.1 | -1.66 | 144.28 |
| | POVC | 9+00.00 | 580 | | | | | | |
| | PVI | 9+50.00 | 586.5 | | | | | | |
| | POVC | 9+50.00 | 584.84 | | | | | | |
| Linear | PVT | 10+05.00 | 586.98 | 170 | 0.88% | | | | |
| | POVT | 10+50.00 | 587.38 | | | | | | |
| | POVT | 11+00.00 | 587.81 | | | | | | |
| | POVT | 11+50.00 | 588.25 | | | | | | |
| | PVC | 11+75.00 | 588.47 | | | | | | |
| Symmetrical Parabola | PVC | 11+75.00 | 588.47 | 100 | 0.88% | 2.43% | 64.57 | 0.19 | |
| | POVC | 12+00.00 | 588.74 | | | | | | |
| | PVI | 12+25.00 | 588.91 | | | | | | |
| | POVC | 12+50.00 | 589.56 | | | | | | |
| | PVT | 12+75.00 | 590.12 | | | | | | |
| Linear | PVT | 12+75.00 | 590.12 | 40 | 2.43% | | | | |
| | POVT | 13+00.00 | 590.73 | | | | | | |
| | PVC | 13+15.00 | 591.09 | | | | | | |
| Symmetrical Parabola | PVC | 13+15.00 | 591.09 | 140 | 2.43% | 9.77% | 19.06 | 1.29 | |
| | POVC | 13+50.00 | 592.26 | | | | | | |
| | PVI | 13+85.00 | 592.79 | | | | | | |
| | POVC | 14+00.00 | 595.05 | | | | | | |
| | POVC | 14+50.00 | 599.15 | | | | | | |
| | PVT | 14+55.00 | 599.63 | | | | | | |
| Linear | PVT | 14+55.00 | 599.63 | 155 | 9.77% | | | | |
| | POVT | 15+00.00 | 604.03 | | | | | | |
| | POVT | 15+50.00 | 608.91 | | | | | | |
| | POVT | 16+00.00 | 613.8 | | | | | | |
| | PVC | 16+10.00 | 614.77 | | | | | | |
| Symmetrical Parabola | PVC | 16+10.00 | 614.77 | 150 | 9.77% | 8.02% | 85.89 | -0.33 | 692.9 |
| | POVC | 16+50.00 | 618.59 | | | | | | |
| | PVI | 16+85.00 | 622.1 | | | | | | |
| | POVC | 17+00.00 | 623.09 | | | | | | |
| | POVC | 17+50.00 | 627.31 | | | | | | |
| | PVRC | 17+60.00 | 628.12 | | | | | | |
| Symmetrical Parabola | PVRC | 17+60.00 | 628.12 | 190 | 8.02% | 8.99% | 195.96 | 0.23 | |
| | POVC | 18+00.00 | 631.37 | | | | | | |
| | POVC | 18+50.00 | 635.55 | | | | | | |
| | PVI | 18+55.00 | 635.74 | | | | | | |
| | POVC | 19+00.00 | 639.85 | | | | | | |
| | PVRC | 19+50.00 | 644.28 | | | | | | |
| Symmetrical Parabola | PVRC | 19+50.00 | 644.28 | 100 | 8.99% | 5.67% | 30.13 | -0.41 | 375.14 |
| | PVI | 20+00.00 | 648.78 | | | | | | |
| | POVC | 20+00.00 | 648.37 | | | | | | |
| | PVT | 20+50.00 | 651.62 | | | | | | |
| Linear | PVT | 20+50.00 | 651.62 | 62.5 | 5.67% | | | | |
| | POVT | 21+00.00 | 654.45 | | | | | | |
| | PVC | 21+12.50 | 655.16 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Symmetrical Parabola | PVC | 21+12.50 | 655.16 | 315 | 5.67% | 13.54% | 40.03 | 3.1 | |
| | POVC | 21+50.00 | 657.47 | | | | | | |
| | POVC | 22+00.00 | 661.08 | | | | | | |
| | POVC | 22+50.00 | 665.33 | | | | | | |
| | PVI | 22+70.00 | 664.1 | | | | | | |
| | POVC | 23+00.00 | 670.19 | | | | | | |
| | POVC | 23+50.00 | 675.68 | | | | | | |
| | POVC | 24+00.00 | 681.8 | | | | | | |
| | PVT | 24+27.50 | 685.43 | | | | | | |
| Linear | PVT | 24+27.50 | 685.43 | 57.5 | 13.54% | | | | |
| | POVT | 24+50.00 | 688.48 | | | | | | |
| | PVC | 24+85.00 | 693.22 | | | | | | |
| Symmetrical Parabola | PVC | 24+85.00 | 693.22 | 270 | 13.54% | 7.23% | 42.75 | -2.13 | 305.87 |
| | POVC | 25+00.00 | 695.22 | | | | | | |
| | POVC | 25+50.00 | 701.53 | | | | | | |
| | POVC | 26+00.00 | 707.24 | | | | | | |
| | PVI | 26+20.00 | 711.5 | | | | | | |
| | POVC | 26+50.00 | 712.38 | | | | | | |
| | POVC | 27+00.00 | 716.93 | | | | | | |
| | POVC | 27+50.00 | 720.89 | | | | | | |
| | PVRC | 27+55.00 | 721.26 | | | | | | |
| Symmetrical Parabola | PVRC | 27+55.00 | 721.26 | 390 | 7.23% | 8.65% | 273.29 | 0.7 | |
| | POVC | 28+00.00 | 724.55 | | | | | | |
| | POVC | 28+50.00 | 728.29 | | | | | | |
| | POVC | 29+00.00 | 732.12 | | | | | | |
| | POVC | 29+50.00 | 736.05 | | | | | | |
| | PVI | 29+50.00 | 735.35 | | | | | | |
| | POVC | 30+00.00 | 740.06 | | | | | | |
| | POVC | 30+50.00 | 744.17 | | | | | | |
| | POVC | 31+00.00 | 748.37 | | | | | | |
| | PVT | 31+45.00 | 752.23 | | | | | | |
| Linear | PVT | 31+45.00 | 752.23 | 40 | 8.65% | | | | |
| | POVT | 31+50.00 | 752.66 | | | | | | |
| | PVC | 31+85.00 | 755.69 | | | | | | |
| Symmetrical Parabola | PVC | 31+85.00 | 755.69 | 340 | 8.65% | -0.39% | 37.58 | -3.85 | 284.8 |
| | POVC | 32+00.00 | 756.96 | | | | | | |
| | POVC | 32+50.00 | 760.75 | | | | | | |
| | POVC | 33+00.00 | 763.88 | | | | | | |
| | POVC | 33+50.00 | 766.35 | | | | | | |
| | PVI | 33+55.00 | 770.4 | | | | | | |
| | POVC | 34+00.00 | 768.14 | | | | | | |
| | POVC | 34+50.00 | 769.28 | | | | | | |
| | POVC | 35+00.00 | 769.75 | | | | | | |
| | VHIGH | 35+10.24 | 769.76 | | | | | | |
| | PVT | 35+25.00 | 769.73 | | | | | | |
| Linear | PVT | 35+25.00 | 769.73 | 92.5 | -0.39% | | | | |
| | POVT | 35+50.00 | 769.63 | | | | | | |
| | POVT | 36+00.00 | 769.44 | | | | | | |
| | PVC | 36+17.50 | 769.37 | | | | | | |
| Symmetrical Parabola | PVC | 36+17.50 | 769.37 | 315 | -0.39% | 2.14% | 124.23 | 1 | |
| | POVC | 36+50.00 | 769.28 | | | | | | |
| | VLOW | 36+66.30 | 769.27 | | | | | | |
| | POVC | 37+00.00 | 769.32 | | | | | | |
| | POVC | 37+50.00 | 769.55 | | | | | | |
| | PVI | 37+75.00 | 768.75 | | | | | | |
| | POVC | 38+00.00 | 769.99 | | | | | | |
| | POVC | 38+50.00 | 770.63 | | | | | | |
| | POVC | 39+00.00 | 771.47 | | | | | | |
| | PVT | 39+32.50 | 772.13 | | | | | | |
| Linear | PVT | 39+32.50 | 772.13 | 42.5 | 2.14% | | | | |
| | POVT | 39+50.00 | 772.5 | | | | | | |
| | PVC | 39+75.00 | 773.04 | | | | | | |
| Symmetrical Parabola | PVC | 39+75.00 | 773.04 | 160 | 2.14% | -1.61% | 42.65 | -0.75 | 367.65 |
| | POVC | 40+00.00 | 773.5 | | | | | | |
| | POVC | 40+50.00 | 773.98 | | | | | | |
| | PVI | 40+55.00 | 774.75 | | | | | | |
| | VHIGH | 40+66.39 | 774.01 | | | | | | |
| | POVC | 41+00.00 | 773.88 | | | | | | |
| | PVT | 41+35.00 | 773.46 | | | | | | |
| Linear | PVT | 41+35.00 | 773.46 | 10 | -1.61% | | | | |
| | PVC | 41+45.00 | 773.3 | | | | | | |
| Symmetrical Parabola | PVC | 41+45.00 | 773.3 | 50 | -1.61% | -0.86% | 66.53 | 0.05 | |
| | POVC | 41+50.00 | 773.22 | | | | | | |
| | PVI | 41+70.00 | 772.9 | | | | | | |
| | PVT | 41+95.00 | 772.69 | | | | | | |
| Linear | PVT | 41+95.00 | 772.69 | 30 | -0.86% | | | | |
| | POVT | 42+00.00 | 772.64 | | | | | | |
| | PVC | 42+25.00 | 772.43 | | | | | | |
| Symmetrical Parabola | PVC | 42+25.00 | 772.43 | 30 | -0.86% | -1.44% | 51.24 | -0.02 | 1858.19 |
| | PVI | 42+40.00 | 772.3 | | | | | | |
| | POVC | 42+50.00 | 772.15 | | | | | | |
| | PVT | 42+55.00 | 772.08 | | | | | | |
| Linear | PVT | 42+55.00 | 772.08 | 140 | -1.44% | | | | |
| | POVT | 43+00.00 | 771.43 | | | | | | |
| | POVT | 43+50.00 | 770.71 | | | | | | |
| | PVC | 43+95.00 | 770.06 | | | | | | |
| Symmetrical Parabola | PVC | 43+95.00 | 770.06 | 300 | -1.44% | 3.54% | 60.25 | 1.87 | |
| | POVC | 44+00.00 | 769.99 | | | | | | |
| | POVC | 44+50.00 | 769.52 | | | | | | |
| | VLOW | 44+81.92 | 769.44 | | | | | | |
| | POVC | 45+00.00 | 769.46 | | | | | | |
| | PVI | 45+45.00 | 767.9 | | | | | | |
| | POVC | 45+50.00 | 769.82 | | | | | | |
| | POVC | 46+00.00 | 770.59 | | | | | | |
| | POVC | 46+50.00 | 771.78 | | | | | | |
| | PVT | 46+95.00 | 773.21 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Linear | PVT | 46+95.00 | 773.21 | 387.5 | 3.54% | | | | |
| | POVT | 47+00.00 | 773.38 | | | | | | |
| | POVT | 47+50.00 | 775.15 | | | | | | |
| | POVT | 48+00.00 | 776.92 | | | | | | |
| | POVT | 48+50.00 | 778.69 | | | | | | |
| | POVT | 49+00.00 | 780.46 | | | | | | |
| | POVT | 49+50.00 | 782.22 | | | | | | |
| | POVT | 50+00.00 | 783.99 | | | | | | |
| | POVT | 50+50.00 | 785.76 | | | | | | |
| | PVC | 50+82.50 | 786.91 | | | | | | |
| Symmetrical Parabola | PVC | 50+82.50 | 786.91 | 285 | 3.54% | -1.74% | 54 | -1.88 | 346.98 |
| | POVC | 51+00.00 | 787.5 | | | | | | |
| | POVC | 51+50.00 | 788.88 | | | | | | |
| | POVC | 52+00.00 | 789.79 | | | | | | |
| | PVI | 52+25.00 | 791.95 | | | | | | |
| | POVC | 52+50.00 | 790.24 | | | | | | |
| | VHIGH | 52+73.49 | 790.29 | | | | | | |
| | POVC | 53+00.00 | 790.22 | | | | | | |
| | POVC | 53+50.00 | 789.75 | | | | | | |
| | PVT | 53+67.50 | 789.47 | | | | | | |
| Linear | PVT | 53+67.50 | 789.47 | 27.5 | -1.74% | | | | |
| | PVC | 53+95.00 | 788.99 | | | | | | |
| Symmetrical Parabola | PVC | 53+95.00 | 788.99 | 370 | -1.74% | 8.39% | 36.53 | 4.66 | |
| | VLOW | 54+58.59 | 788.44 | | | | | | |
| | POVC | 54+00.00 | 788.91 | | | | | | |
| | POVC | 54+50.00 | 788.45 | | | | | | |
| | POVC | 55+00.00 | 788.67 | | | | | | |
| | POVC | 55+50.00 | 789.58 | | | | | | |
| | PVI | 55+80.00 | 785.77 | | | | | | |
| | POVC | 56+00.00 | 791.17 | | | | | | |
| | POVC | 56+50.00 | 793.45 | | | | | | |
| | POVC | 57+00.00 | 796.41 | | | | | | |
| | POVC | 57+50.00 | 800.06 | | | | | | |
| | PVT | 57+65.00 | 801.29 | | | | | | |
| Linear | PVT | 57+65.00 | 801.29 | 195 | 8.39% | | | | |
| | POVT | 58+00.00 | 804.22 | | | | | | |
| | POVT | 58+50.00 | 808.42 | | | | | | |
| | POVT | 59+00.00 | 812.61 | | | | | | |
| | POVT | 59+50.00 | 816.81 | | | | | | |
| | PVC | 59+60.00 | 817.64 | | | | | | |
| Symmetrical Parabola | PVC | 59+60.00 | 817.64 | 250 | 8.39% | 2.64% | 43.48 | -1.8 | 312.67 |
| | PVI | 60+85.00 | 828.13 | | | | | | |
| | POVC | 60+00.00 | 820.82 | | | | | | |
| | POVC | 60+50.00 | 824.26 | | | | | | |
| | POVC | 61+00.00 | 827.13 | | | | | | |
| | POVC | 61+50.00 | 829.43 | | | | | | |
| | POVC | 62+00.00 | 831.15 | | | | | | |
| | PVRC | 62+10.00 | 831.43 | | | | | | |
| Symmetrical Parabola | PVRC | 62+10.00 | 831.43 | 280 | 2.64% | 6.78% | 67.68 | 1.45 | |
| | POVC | 62+50.00 | 832.6 | | | | | | |
| | POVC | 63+00.00 | 834.4 | | | | | | |
| | POVC | 63+50.00 | 836.57 | | | | | | |
| | PVI | 63+50.00 | 835.12 | | | | | | |
| | POVC | 64+00.00 | 839.11 | | | | | | |
| | POVC | 64+50.00 | 842.01 | | | | | | |
| | PVT | 64+90.00 | 844.61 | | | | | | |
| Linear | PVT | 64+90.00 | 844.61 | 135 | 6.78% | | | | |
| | POVT | 65+00.00 | 845.28 | | | | | | |
| | POVT | 65+50.00 | 848.67 | | | | | | |
| | POVT | 66+00.00 | 852.06 | | | | | | |
| | PVC | 66+25.00 | 853.75 | | | | | | |
| Symmetrical Parabola | PVC | 66+25.00 | 853.75 | 90 | 6.78% | 4.93% | 48.81 | -0.21 | 630.3 |
| | POVC | 66+50.00 | 855.38 | | | | | | |
| | PVI | 66+70.00 | 856.8 | | | | | | |
| | POVC | 67+00.00 | 858.26 | | | | | | |
| | PVT | 67+15.00 | 859.02 | | | | | | |
| Linear | PVT | 67+15.00 | 859.02 | 75 | 4.93% | | | | |
| | POVT | 67+50.00 | 860.75 | | | | | | |
| | PVC | 67+90.00 | 862.72 | | | | | | |
| Symmetrical Parabola | PVC | 67+90.00 | 862.72 | 80 | 4.93% | 5.89% | 83.44 | 0.1 | |
| | POVC | 68+00.00 | 863.22 | | | | | | |
| | PVI | 68+30.00 | 864.69 | | | | | | |
| | POVC | 68+50.00 | 865.69 | | | | | | |
| | PVT | 68+70.00 | 867.05 | | | | | | |
| Linear | PVT | 68+70.00 | 867.05 | 60 | 5.89% | | | | |
| | POVT | 69+00.00 | 868.81 | | | | | | |
| | PVC | 69+30.00 | 870.58 | | | | | | |
| Symmetrical Parabola | PVC | 69+30.00 | 870.58 | 400 | 5.89% | 2.10% | 105.48 | -1.9 | 484.57 |
| | POVC | 69+50.00 | 871.74 | | | | | | |
| | POVC | 70+00.00 | 874.47 | | | | | | |
| | POVC | 70+50.00 | 876.97 | | | | | | |
| | POVC | 71+00.00 | 879.22 | | | | | | |
| | PVI | 71+30.00 | 882.36 | | | | | | |
| | POVC | 71+50.00 | 881.24 | | | | | | |
| | POVC | 72+00.00 | 883.03 | | | | | | |
| | POVC | 72+50.00 | 884.57 | | | | | | |
| | POVC | 73+00.00 | 885.88 | | | | | | |
| | PVT | 73+30.00 | 886.56 | | | | | | |

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POVT - POINT ON VERTICAL CURVE

**VERTICAL ALIGNMENT TABLE SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_108.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 108 OF 178

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Linear | PVT | 73+30.00 | 886.56 | 145 | 2.10% | | | | |
| | POVT | 73+50.00 | 886.98 | | | | | | |
| Linear | POVT | 91+50.00 | 919.75 | 127.5 | 1.80% | | | | |
| | PVC | 91+87.50 | 920.43 | | | | | | |
| Symmetrical Parabola | PVC | 91+87.50 | 920.43 | 65 | 1.80% | 1.08% | 91.16 | -0.06 | 1546.04 |
| | POVC | 92+00.00 | 920.64 | | | | | | |
| | PVI | 92+20.00 | 921.01 | | | | | | |
| | POVC | 92+50.00 | 921.33 | | | | | | |
| | PVRC | 92+52.50 | 921.36 | | | | | | |
| Symmetrical Parabola | PVRC | 92+52.50 | 921.36 | 105 | 1.08% | 1.96% | 119.64 | 0.12 | 512.17 |
| | POVC | 93+00.00 | 921.97 | | | | | | |
| | PVI | 93+05.00 | 921.93 | | | | | | |
| | POVC | 93+50.00 | 922.81 | | | | | | |
| | PVT | 93+57.50 | 922.96 | | | | | | |
| Linear | PVT | 93+57.50 | 922.96 | 230 | 1.96% | | | | |
| | POVT | 94+00.00 | 923.79 | | | | | | |
| | POVT | 94+50.00 | 924.77 | | | | | | |
| | POVT | 95+00.00 | 925.75 | | | | | | |
| | POVT | 95+50.00 | 926.73 | | | | | | |
| | PVC | 95+87.50 | 927.47 | | | | | | |
| Symmetrical Parabola | PVC | 95+87.50 | 927.47 | 335 | 1.96% | -0.40% | 141.7 | -0.99 | 623.96 |
| | POVC | 96+00.00 | 927.71 | | | | | | |
| | POVC | 96+50.00 | 928.55 | | | | | | |
| | POVC | 97+00.00 | 929.23 | | | | | | |
| | POVC | 97+50.00 | 929.72 | | | | | | |
| | PVI | 97+55.00 | 930.75 | | | | | | |
| | POVC | 98+00.00 | 930.04 | | | | | | |
| | POVC | 98+50.00 | 930.18 | | | | | | |
| | VHIGH | 98+65.23 | 930.19 | | | | | | |
| | POVC | 99+00.00 | 930.15 | | | | | | |
| | PVT | 99+22.50 | 930.07 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Linear | PVT | 99+22.50 | 930.07 | 305 | -0.40% | | | | |
| | POVT | 99+50.00 | 929.96 | | | | | | |
| | POVT | 100+00.00 | 929.76 | | | | | | |
| | POVT | 100+50.00 | 929.56 | | | | | | |
| | POVT | 101+00.00 | 929.36 | | | | | | |
| | POVT | 101+50.00 | 929.15 | | | | | | |
| | POVT | 102+00.00 | 928.95 | | | | | | |
| | PVC | 102+27.50 | 928.84 | | | | | | |
| Symmetrical Parabola | PVC | 102+27.50 | 928.84 | 485 | -0.40% | 2.10% | 193.34 | 1.52 | |
| | POVC | 102+50.00 | 928.76 | | | | | | |
| | POVC | 103+00.00 | 928.68 | | | | | | |
| | VLOW | 103+05.65 | 928.68 | | | | | | |
| | POVC | 103+50.00 | 928.73 | | | | | | |
| | POVC | 104+00.00 | 928.91 | | | | | | |
| | POVC | 104+50.00 | 929.22 | | | | | | |
| | PVI | 104+70.00 | 927.86 | | | | | | |
| | POVC | 105+00.00 | 929.66 | | | | | | |
| | POVC | 105+50.00 | 930.23 | | | | | | |
| | POVC | 106+00.00 | 930.92 | | | | | | |
| | POVC | 106+50.00 | 931.75 | | | | | | |
| | POVC | 107+00.00 | 932.7 | | | | | | |
| | PVT | 107+12.50 | 932.96 | | | | | | |
| Linear | PVT | 107+12.50 | 932.96 | 65 | 2.10% | | | | |
| | POVT | 107+50.00 | 933.75 | | | | | | |
| | PVC | 107+77.50 | 934.33 | | | | | | |
| Symmetrical Parabola | PVC | 107+77.50 | 934.33 | 75 | 2.10% | 2.42% | 240.14 | 0.03 | |
| | POVC | 108+00.00 | 934.81 | | | | | | |
| | PVI | 108+15.00 | 935.12 | | | | | | |
| | POVC | 108+50.00 | 935.97 | | | | | | |
| | PVT | 108+52.50 | 936.03 | | | | | | |
| Linear | PVT | 108+52.50 | 936.03 | 45 | 2.42% | | | | |
| | PVC | 108+97.50 | 937.11 | | | | | | |
| Symmetrical Parabola | PVC | 108+97.50 | 937.11 | 75 | 2.42% | 1.91% | 147.54 | -0.05 | 2160.42 |
| | POVC | 109+00.00 | 937.17 | | | | | | |
| | PVI | 109+35.00 | 938.02 | | | | | | |
| | POVC | 109+50.00 | 938.29 | | | | | | |
| | PVT | 109+72.50 | 938.74 | | | | | | |
| Linear | PVT | 109+72.50 | 938.74 | 157.5 | 1.91% | | | | |
| | POVT | 110+00.00 | 939.26 | | | | | | |
| | POVT | 110+50.00 | 940.21 | | | | | | |
| | POVT | 111+00.00 | 941.17 | | | | | | |
| | PVC | 111+30.00 | 941.74 | | | | | | |
| Symmetrical Parabola | PVC | 111+30.00 | 941.74 | 90 | 1.91% | 3.25% | 66.99 | 0.15 | |
| | POVC | 111+50.00 | 942.15 | | | | | | |
| | PVI | 111+75.00 | 942.6 | | | | | | |
| | POVC | 112+00.00 | 943.44 | | | | | | |
| | PVRC | 112+20.00 | 944.06 | | | | | | |
| Symmetrical Parabola | PVRC | 112+20.00 | 944.06 | 180 | 3.25% | 2.20% | 171.13 | -0.24 | 1115.95 |
| | POVC | 112+50.00 | 945.01 | | | | | | |
| | POVC | 113+00.00 | 946.46 | | | | | | |
| | PVI | 113+10.00 | 946.99 | | | | | | |
| | POVC | 113+50.00 | 947.8 | | | | | | |
| | PVT | 114+00.00 | 948.97 | | | | | | |
| Linear | PVT | 114+00.00 | 948.97 | 55 | 2.20% | | | | |
| | POVT | 114+50.00 | 950.07 | | | | | | |
| | PVC | 114+55.00 | 950.18 | | | | | | |
| Symmetrical Parabola | PVC | 114+55.00 | 950.18 | 170 | 2.20% | 3.96% | 96.86 | 0.37 | |
| | POVC | 115+00.00 | 951.27 | | | | | | |
| | PVI | 115+40.00 | 952.05 | | | | | | |
| | POVC | 115+50.00 | 952.74 | | | | | | |
| | POVC | 116+00.00 | 954.46 | | | | | | |
| | PVT | 116+25.00 | 955.41 | | | | | | |
| Linear | PVT | 116+25.00 | 955.41 | 82.5 | 3.96% | | | | |
| | POVT | 116+50.00 | 956.4 | | | | | | |
| | POVT | 117+00.00 | 958.38 | | | | | | |
| | PVC | 117+07.50 | 958.67 | | | | | | |
| Symmetrical Parabola | PVC | 117+07.50 | 958.67 | 155 | 3.96% | 5.57% | 96.18 | 0.31 | |
| | POVC | 117+50.00 | 960.45 | | | | | | |
| | PVI | 117+85.00 | 961.74 | | | | | | |
| | POVC | 118+00.00 | 962.78 | | | | | | |
| | POVC | 118+50.00 | 965.37 | | | | | | |
| | PVT | 118+62.50 | 966.05 | | | | | | |
| Linear | PVC | 118+90.00 | 967.59 | 27.5 | 5.57% | | | | |
| | PVC | 118+90.00 | 967.59 | | | | | | |
| Symmetrical Parabola | POVC | 119+00.00 | 968.15 | 150 | 5.57% | 7.78% | 67.8 | 0.41 | |
| | PVI | 119+65.00 | 971.76 | | | | | | |
| | POVC | 119+50.00 | 971.19 | | | | | | |
| | POVC | 120+00.00 | 974.6 | | | | | | |
| | PVT | 120+40.00 | 977.59 | | | | | | |
| Linear | PVT | 120+40.00 | 977.59 | 142.5 | 7.78% | | | | |
| | POVT | 120+50.00 | 978.37 | | | | | | |
| | POVT | 121+00.00 | 982.26 | | | | | | |
| | POVT | 121+50.00 | 986.15 | | | | | | |
| | PVC | 121+82.50 | 988.68 | | | | | | |
| Symmetrical Parabola | PVC | 121+82.50 | 988.68 | 235 | 7.78% | 10.68% | 80.91 | 0.85 | |
| | POVC | 122+00.00 | 990.06 | | | | | | |
| | POVC | 122+50.00 | 994.21 | | | | | | |
| | POVC | 123+00.00 | 998.67 | | | | | | |
| | PVI | 123+00.00 | 997.82 | | | | | | |
| | POVC | 123+50.00 | 1003.44 | | | | | | |
| | POVC | 124+00.00 | 1008.52 | | | | | | |
| | PVT | 124+17.50 | 1010.37 | | | | | | |
| Linear | PVT | 124+17.50 | 1010.37 | 105 | 10.68% | | | | |
| | POVT | 124+50.00 | 1013.85 | | | | | | |
| | POVT | 125+00.00 | 1019.19 | | | | | | |
| | PVC | 125+22.50 | 1021.59 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Symmetrical Parabola | PVC | 125+22.50 | 1021.59 | 105 | 10.68% | 12.08% | 75.39 | 0.18 | |
| | POVC | 125+50.00 | 1024.58 | | | | | | |
| | PVI | 125+75.00 | 1027.2 | | | | | | |
| | POVC | 126+00.00 | 1030.27 | | | | | | |
| | PVRC | 126+27.50 | 1033.54 | | | | | | |
| Symmetrical Parabola | PVRC | 126+27.50 | 1033.54 | 235 | 12.08% | 3.82% | 28.47 | -2.42 | 248.23 |
| | POVC | 126+50.00 | 1036.17 | | | | | | |
| | POVC | 127+00.00 | 1041.37 | | | | | | |
| | PVI | 127+45.00 | 1047.73 | | | | | | |
| | POVC | 127+50.00 | 1045.7 | | | | | | |
| | POVC | 128+00.00 | 1049.15 | | | | | | |
| | POVC | 128+50.00 | 1051.72 | | | | | | |
| | PVT | 128+62.50 | 1052.22 | | | | | | |
| Linear | PVT | 128+62.50 | 1052.22 | 122.5 | 3.82% | | | | |
| | POVT | 129+00.00 | 1053.65 | | | | | | |
| | POVT | 129+50.00 | 1055.56 | | | | | | |
| | PVC | 129+85.00 | 1056.9 | | | | | | |
| Symmetrical Parabola | PVC | 129+85.00 | 1056.9 | 170 | 3.82% | 1.15% | 63.65 | -0.57 | 489.06 |
| | POVC | 130+00.00 | 1057.46 | | | | | | |
| | POVC | 130+50.00 | 1059.05 | | | | | | |
| | PVI | 130+70.00 | 1060.15 | | | | | | |
| | POVC | 131+00.00 | 1060.26 | | | | | | |
| | POVC | 131+50.00 | 1061.07 | | | | | | |
| | PVT | 131+55.00 | 1061.13 | | | | | | |
| Linear | PVT | 131+55.00 | 1061.13 | 180 | 1.15% | | | | |
| | POVT | 132+00.00 | 1061.65 | | | | | | |
| | POVT | 132+50.00 | 1062.22 | | | | | | |
| | POVT | 133+00.00 | 1062.8 | | | | | | |
| | PVC | 133+35.00 | 1063.2 | | | | | | |
| Symmetrical Parabola | PVC | 133+35.00 | 1063.2 | 120 | 1.15% | -0.59% | 69.07 | -0.26 | 681.12 |
| | POVC | 133+50.00 | 1063.36 | | | | | | |
| | PVI | 133+95.00 | 1063.89 | | | | | | |
| | POVC | 134+00.00 | 1063.64 | | | | | | |
| | VHIGH | 134+14.48 | 1063.66 | | | | | | |
| | POVC | 134+50.00 | 1063.57 | | | | | | |
| | PVT | 134+55.00 | 1063.54 | | | | | | |
| Linear | PVT | 134+55.00 | 1063.54 | 40 | -0.59% | | | | |
| | PVC | 134+95.00 | 1063.3 | | | | | | |
| Symmetrical Parabola | PVC | 134+95.00 | 1063.3 | 250 | -0.59% | 0.61% | 209.74 | 0.37 | |
| | POVC | 135+00.00 | 1063.27 | | | | | | |
| | POVC | 135+50.00 | 1063.05 | | | | | | |
| | POVC | 136+00.00 | 1062.95 | | | | | | |
| | VLOW | 136+18.05 | 1062.94 | | | | | | |
| | PVI | 136+20.00 | 1062.57 | | | | | | |
| | POVC | 136+50.00 | 1062.97 | | | | | | |
| | POVC | 137+00.00 | 1063.1 | | | | | | |
| | PVT | 137+45.00 | 1063.33 | | | | | | |
| Linear | PVT | 137+45.00 | 1063.33 | 27.5 | 0.61% | | | | |
| | POVT | 137+50.00 | 1063.36 | | | | | | |
| | PVC | 137+72.50 | 1063.49 | | | | | | |
| Symmetrical Parabola | PVC | 137+72.50 | 1063.49 | 75 | 0.61% | -0.26% | 86.4 | -0.08 | 1260.75 |
| | POVC | 138+00.00 | 1063.62 | | | | | | |
| | PVI | 138+10.00 | 1063.72 | | | | | | |
| | VHIGH | 138+24.80 | 1063.65 | | | | | | |
| | PVT | 138+47.50 | 1063.62 | | | | | | |
| Linear | PVT | 138+47.50 | 1063.62 | 102.5 | -0.26% | | | | |
| | POVT | 138+50.00 | 1063.61 | | | | | | |
| | POVT | 139+00.00 | 1063.48 | | | | | | |
| | PVC | 139+50.00 | 1063.35 | | | | | | |
| Symmetrical Parabola | PVC | 139+50.00 | 1063.35 | 230 | -0.26% | 10.29% | 21.8 | 3.03 | |
| | VLOW | 139+55.73 | 1063.34 | | | | | | |
| | POVC | 140+00.00 | 1063.79 | | | | | | |
| | POVC | 140+50.00 | 1065.38 | | | | | | |
| | PVI | 140+65.00 | 1063.05 | | | | | | |
| | POVC | 141+00.00 | 1068.12 | | | | | | |
| | POVC | 141+50.00 | 1072 | | | | | | |
| | PVT | 141+80.00 | 1074.88 | | | | | | |
| Linear | PVT | 141+80.00 | 1074.88 | 60 | 10.29% | | | | |
| | POVT | 142+00.00 | 1076.94 | | | | | | |
| | PVC | 142+40.00 | 1081.06 | | | | | | |
| Symmetrical Parabola | PVC | 142+40.00 | 1081.06 | 210 | 10.29% | 3.00% | 28.81 | -1.91 | 253.05 |
| | POVC | 142+50.00 | 1082.07 | | | | | | |
| | POVC | 143+00.00 | 1086.61 | | | | | | |
| | PVI | 143+45.00 | 1091.86 | | | | | | |
| | POVC | 143+50.00 | 1090.27 | | | | | | |
| | POVC | 144+00.00 | 1093.08 | | | | | | |
| | PVT | 144+50.00 | 1095.01 | | | | | | |
| Linear | PVT | 144+50.00 | 1095.01 | 55 | 3.00% | | | | |
| | POVT | 145+00.00 | 1096.51 | | | | | | |
| | PVC | 145+05.00 | 1096.66 | | | | | | |
| Symmetrical Parabola | PVC | 145+05.00 | 1096.66 | 190 | 3.00% | 7.43% | 42.92 | 1.05 | |
| | POVC | 145+50.00 | 1098.25 | | | | | | |
| | POVC | 146+00.00 | 1100.56 | | | | | | |
| | PVI | 146+00.00 | 1099.51 | | | | | | |
| | POVC | 146+50.00 | 1103.46 | | | | | | |
| | PVT | 146+95.00 | 1106.57 | | | | | | |
| Linear | PVT | 146+95.00 | 1106.57 | 75 | 7.43% | | | | |
| | POVT | 147+00.00 | 1106.94 | | | | | | |
| | POVT | 147+50.00 | 1110.65 | | | | | | |

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POVT - POINT ON VERTICAL CURVE

**VERTICAL ALIGNMENT TABLE SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(11)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_109.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 109 OF 178

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Symmetrical Parabola | PVC | 147+70.00 | 1112.14 | 100 | 7.43% | 5.19% | 44.78 | -0.28 | 533.22 |
| | PVC | 147+70.00 | 1112.14 | | | | | | |
| | PVI | 148+20.00 | 1115.65 | | | | | | |
| | POVC | 148+00.00 | 1114.26 | | | | | | |
| | POVC | 148+50.00 | 1117.36 | | | | | | |
| | PVT | 148+70.00 | 1118.45 | | | | | | |
| Linear | PVT | 148+70.00 | 1118.45 | 135 | 5.19% | | | | |
| | POVT | 149+00.00 | 1120.01 | | | | | | |
| | POVT | 149+50.00 | 1122.6 | | | | | | |
| | POVT | 150+00.00 | 1125.2 | | | | | | |
| | PVC | 150+05.00 | 1125.46 | | | | | | |
| Symmetrical Parabola | PVC | 150+05.00 | 1125.46 | 300 | 5.19% | 13.95% | 34.28 | 3.28 | |
| | POVC | 150+50.00 | 1128.09 | | | | | | |
| | POVC | 151+00.00 | 1131.71 | | | | | | |
| | POVC | 151+50.00 | 1136.06 | | | | | | |
| | PVI | 151+55.00 | 1133.25 | | | | | | |
| | POVC | 152+00.00 | 1141.13 | | | | | | |
| | POVC | 152+50.00 | 1146.94 | | | | | | |
| | POVC | 153+00.00 | 1153.47 | | | | | | |
| | PVT | 153+05.00 | 1154.17 | | | | | | |
| Linear | PVT | 153+05.00 | 1154.17 | 50 | 13.95% | | | | |
| | POVT | 153+50.00 | 1160.44 | | | | | | |
| | PVC | 153+55.00 | 1161.14 | | | | | | |
| Symmetrical Parabola | PVC | 153+55.00 | 1161.14 | 150 | 13.95% | 11.15% | 53.69 | -0.52 | 461.26 |
| | PVI | 154+30.00 | 1171.6 | | | | | | |
| | POVC | 154+00.00 | 1167.23 | | | | | | |
| | POVC | 154+50.00 | 1173.55 | | | | | | |
| | POVC | 155+00.00 | 1179.4 | | | | | | |
| | PVCC | 155+05.00 | 1179.96 | | | | | | |
| Symmetrical Parabola | PVCC | 155+05.00 | 1179.96 | 430 | 11.15% | 0.52% | 40.44 | -5.72 | 295.42 |
| | POVC | 155+50.00 | 1184.73 | | | | | | |
| | POVC | 156+00.00 | 1189.44 | | | | | | |
| | POVC | 156+50.00 | 1193.53 | | | | | | |
| | POVC | 157+00.00 | 1197.01 | | | | | | |
| | PVI | 157+20.00 | 1203.94 | | | | | | |
| | POVC | 157+50.00 | 1199.86 | | | | | | |
| | POVC | 158+00.00 | 1202.1 | | | | | | |
| | POVC | 158+50.00 | 1203.72 | | | | | | |
| | POVC | 159+00.00 | 1204.72 | | | | | | |
| | PVT | 159+35.00 | 1205.05 | | | | | | |
| Linear | PVT | 159+35.00 | 1205.05 | 105 | 0.52% | | | | |
| | POVT | 159+50.00 | 1205.13 | | | | | | |
| | POVT | 160+00.00 | 1205.39 | | | | | | |
| | PVC | 160+40.00 | 1205.6 | | | | | | |
| Symmetrical Parabola | PVC | 160+40.00 | 1205.6 | 380 | 0.52% | 12.76% | 31.03 | 5.82 | |
| | POVC | 160+50.00 | 1205.66 | | | | | | |
| | POVC | 161+00.00 | 1208.49 | | | | | | |
| | POVC | 161+50.00 | 1208.12 | | | | | | |
| | POVC | 162+00.00 | 1210.55 | | | | | | |
| | PVI | 162+30.00 | 1206.58 | | | | | | |
| | POVC | 162+50.00 | 1213.79 | | | | | | |
| | POVC | 163+00.00 | 1217.83 | | | | | | |
| | POVC | 163+50.00 | 1222.68 | | | | | | |
| | POVC | 164+00.00 | 1228.34 | | | | | | |
| | PVT | 164+20.00 | 1230.83 | | | | | | |
| Linear | PVT | 164+20.00 | 1230.83 | 40 | 12.76% | | | | |
| | POVT | 164+50.00 | 1234.66 | | | | | | |
| | PVC | 164+60.00 | 1235.93 | | | | | | |
| Symmetrical Parabola | PVC | 164+60.00 | 1235.93 | 170 | 12.76% | -0.44% | 12.88 | -2.8 | 166.73 |
| | POVC | 165+00.00 | 1240.42 | | | | | | |
| | POVC | 165+50.00 | 1244.27 | | | | | | |
| | POVC | 166+00.00 | 1246.19 | | | | | | |
| | PVI | 165+45.00 | 1246.78 | | | | | | |
| | VHIGH | 166+24.37 | 1246.42 | | | | | | |
| | PVT | 166+30.00 | 1246.41 | | | | | | |
| Linear | PVT | 166+30.00 | 1246.41 | 35 | -0.44% | | | | |
| | POVT | 166+50.00 | 1246.32 | | | | | | |
| | PVC | 166+65.00 | 1246.26 | | | | | | |
| Symmetrical Parabola | PVC | 166+65.00 | 1246.26 | 80 | -0.44% | 0.95% | 57.71 | 0.14 | |
| | VLOW | 166+90.25 | 1246.2 | | | | | | |
| | POVC | 167+00.00 | 1246.21 | | | | | | |
| | PVI | 167+05.00 | 1246.08 | | | | | | |
| | PVT | 167+45.00 | 1246.46 | | | | | | |
| Linear | PVT | 167+45.00 | 1246.46 | 45 | 0.95% | | | | |
| | POVT | 167+50.00 | 1246.51 | | | | | | |
| | PVC | 167+90.00 | 1246.89 | | | | | | |
| Symmetrical Parabola | PVC | 167+90.00 | 1246.89 | 260 | 0.95% | 8.48% | 34.54 | 2.45 | |
| | POVC | 168+00.00 | 1247 | | | | | | |
| | POVC | 168+50.00 | 1247.98 | | | | | | |
| | POVC | 169+00.00 | 1249.68 | | | | | | |
| | PVI | 169+20.00 | 1248.12 | | | | | | |
| | POVC | 169+50.00 | 1252.11 | | | | | | |
| | POVC | 170+00.00 | 1255.26 | | | | | | |
| | PVT | 170+50.00 | 1259.14 | | | | | | |
| Linear | PVT | 170+50.00 | 1259.14 | 112.5 | 8.48% | | | | |
| | POVT | 171+00.00 | 1263.38 | | | | | | |
| | POVT | 171+50.00 | 1267.62 | | | | | | |
| | PVC | 171+62.50 | 1268.68 | | | | | | |
| Symmetrical Parabola | PVC | 171+62.50 | 1268.68 | 165 | 8.48% | 0.78% | 21.44 | -1.59 | 222.7 |
| | POVC | 172+00.00 | 1271.53 | | | | | | |
| | PVI | 172+45.00 | 1275.67 | | | | | | |
| | POVC | 172+50.00 | 1274.31 | | | | | | |
| | POVC | 173+00.00 | 1275.92 | | | | | | |
| | PVT | 173+27.50 | 1276.31 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Linear | PVT | 173+27.50 | 1276.31 | 112.5 | 0.78% | | | | |
| | POVT | 173+50.00 | 1276.49 | | | | | | |
| | POVT | 174+00.00 | 1276.88 | | | | | | |
| | PVC | 174+40.00 | 1277.19 | | | | | | |
| Symmetrical Parabola | PVC | 174+40.00 | 1277.19 | 100 | 0.78% | 1.95% | 85.16 | 0.15 | |
| | POVC | 174+50.00 | 1277.27 | | | | | | |
| | PVI | 174+90.00 | 1277.58 | | | | | | |
| | POVC | 175+00.00 | 1277.87 | | | | | | |
| | PVCC | 175+40.00 | 1278.56 | | | | | | |
| Symmetrical Parabola | PVCC | 175+40.00 | 1278.56 | 160 | 1.95% | 5.81% | 41.54 | 0.77 | |
| | POVC | 175+50.00 | 1278.76 | | | | | | |
| | POVC | 176+00.00 | 1280.16 | | | | | | |
| | PVI | 176+20.00 | 1280.12 | | | | | | |
| | POVC | 176+50.00 | 1282.16 | | | | | | |
| | PVT | 177+00.00 | 1284.76 | | | | | | |
| Linear | PVT | 177+00.00 | 1284.76 | 37.5 | 5.81% | | | | |
| | PVC | 177+37.50 | 1286.94 | | | | | | |
| Symmetrical Parabola | PVC | 177+37.50 | 1286.94 | 125 | 5.81% | 2.81% | 41.78 | -0.47 | 423.24 |
| | POVC | 177+50.00 | 1287.65 | | | | | | |
| | POVC | 178+00.00 | 1290.1 | | | | | | |
| | PVI | 178+00.00 | 1290.57 | | | | | | |
| | POVC | 178+50.00 | 1291.96 | | | | | | |
| | PVT | 178+62.50 | 1292.33 | | | | | | |
| Linear | PVT | 178+62.50 | 1292.33 | 72.5 | 2.81% | | | | |
| | POVT | 179+00.00 | 1293.38 | | | | | | |
| | PVC | 179+35.00 | 1294.37 | | | | | | |
| Symmetrical Parabola | PVC | 179+35.00 | 1294.37 | 300 | 2.81% | 2.56% | 1196.09 | -0.09 | 4452.55 |
| | POVC | 179+50.00 | 1294.79 | | | | | | |
| | POVC | 180+00.00 | 1296.18 | | | | | | |
| | POVC | 180+50.00 | 1297.55 | | | | | | |
| | PVI | 180+85.00 | 1298.59 | | | | | | |
| | POVC | 181+00.00 | 1298.9 | | | | | | |
| | POVC | 181+50.00 | 1300.23 | | | | | | |
| | POVC | 182+00.00 | 1301.53 | | | | | | |
| | PVT | 182+35.00 | 1302.43 | | | | | | |
| Linear | PVT | 182+35.00 | 1302.43 | 210 | 2.56% | | | | |
| | POVT | 182+50.00 | 1302.82 | | | | | | |
| | POVT | 183+00.00 | 1304.1 | | | | | | |
| | POVT | 183+50.00 | 1305.38 | | | | | | |
| | POVT | 184+00.00 | 1306.66 | | | | | | |
| | PVC | 184+45.00 | 1307.82 | | | | | | |
| Symmetrical Parabola | PVC | 184+45.00 | 1307.82 | 150 | 2.56% | 3.22% | 227.4 | 0.12 | |
| | PVI | 185+20.00 | 1309.74 | | | | | | |
| | POVC | 184+50.00 | 1307.95 | | | | | | |
| | POVC | 185+00.00 | 1309.29 | | | | | | |
| | POVC | 185+50.00 | 1310.75 | | | | | | |
| | PVT | 185+95.00 | 1312.16 | | | | | | |
| Linear | PVT | 185+95.00 | 1312.16 | 65 | 3.22% | | | | |
| | POVT | 186+00.00 | 1312.32 | | | | | | |
| | POVT | 186+50.00 | 1313.93 | | | | | | |
| | PVC | 186+60.00 | 1314.25 | | | | | | |
| Symmetrical Parabola | PVC | 186+60.00 | 1314.25 | 70 | 3.22% | 2.37% | 82.05 | -0.07 | 1299.89 |
| | PVI | 186+95.00 | 1315.38 | | | | | | |
| | POVC | 187+00.00 | 1315.44 | | | | | | |
| | PVT | 187+30.00 | 1316.21 | | | | | | |
| Linear | PVT | 187+30.00 | 1316.21 | 67.5 | 2.37% | | | | |
| | POVT | 187+50.00 | 1316.68 | | | | | | |
| | PVC | 187+97.50 | 1317.81 | | | | | | |
| Symmetrical Parabola | PVC | 187+97.50 | 1317.81 | 125 | 2.37% | 3.75% | 90.72 | 0.22 | |
| | POVC | 188+00.00 | 1317.87 | | | | | | |
| | POVC | 188+50.00 | 1319.2 | | | | | | |
| | PVI | 188+60.00 | 1319.29 | | | | | | |
| | POVC | 189+00.00 | 1320.82 | | | | | | |
| | PVT | 189+22.50 | 1321.63 | | | | | | |
| Linear | PVT | 189+22.50 | 1321.63 | 77.5 | 3.75% | | | | |
| | POVT | 189+50.00 | 1322.66 | | | | | | |
| | PVC | 190+00.00 | 1324.54 | | | | | | |
| Symmetrical Parabola | PVC | 190+00.00 | 1324.54 | 140 | 3.75% | 3.06% | 202.76 | -0.12 | 1632.91 |
| | POVC | 190+50.00 | 1326.35 | | | | | | |
| | PVI | 190+70.00 | 1327.16 | | | | | | |
| | POVC | 191+00.00 | 1328.04 | | | | | | |
| | PVRC | 191+40.00 | 1329.3 | | | | | | |
| Symmetrical Parabola | PVRC | 191+40.00 | 1329.3 | 70 | 3.06% | 5.07% | 34.77 | 0.18 | |
| | POVC | 191+50.00 | 1329.62 | | | | | | |
| | PVI | 191+75.00 | 1330.37 | | | | | | |
| | POVC | 192+00.00 | 1331.65 | | | | | | |
| | PVT | 192+10.00 | 1332.14 | | | | | | |
| Linear | PVT | 192+10.00 | 1332.14 | 105 | 5.07% | | | | |
| | POVT | 192+50.00 | 1334.17 | | | | | | |
| | POVT | 193+00.00 | 1336.71 | | | | | | |
| | PVC | 193+15.00 | 1337.47 | | | | | | |
| Symmetrical Parabola | PVC | 193+15.00 | 1337.47 | 60 | 5.07% | 5.39% | 186.33 | 0.02 | |
| | PVI | 193+45.00 | 1338.99 | | | | | | |
| | POVC | 193+50.00 | 1339.28 | | | | | | |
| | PVT | 193+75.00 | 1340.61 | | | | | | |
| Linear | PVT | 193+75.00 | 1340.61 | 60 | 5.39% | | | | |
| | POVT | 194+00.00 | 1341.96 | | | | | | |
| | PVC | 194+35.00 | 1343.84 | | | | | | |
| Symmetrical Parabola | PVC | 194+35.00 | 1343.84 | 90 | 5.39% | 4.56% | 108.48 | -0.09 | 1345.76 |
| | POVC | 194+50.00 | 1344.64 | | | | | | |
| | PVI | 194+80.00 | 1346.27 | | | | | | |
| | POVC | 195+00.00 | 1347.15 | | | | | | |
| | PVT | 195+25.00 | 1348.32 | | | | | | |
| Linear | PVT | 195+25.00 | 1348.32 | 40 | 4.56% | | | | |
| | POVT | 195+50.00 | 1349.46 | | | | | | |
| | PVC | 195+65.00 | 1350.15 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Symmetrical Parabola | PVC | 195+65.00 | 1350.15 | 100 | 4.56% | 4.15% | 244.85 | -0.05 | 2692.27 |
| | POVC | 196+00.00 | 1351.72 | | | | | | |
| | PVI | 196+15.00 | 1352.43 | | | | | | |
| | POVC | 196+50.00 | 1353.88 | | | | | | |
| | PVT | 196+65.00 | 1354.51 | | | | | | |
| Linear | PVT | 196+65.00 | 1354.51 | 20 | 4.15% | | | | |
| | PVC | 196+85.00 | 1355.34 | | | | | | |
| Symmetrical Parabola | PVC | 196+85.00 | 1355.34 | 80 | 4.15% | 4.99% | 95.31 | 0.08 | |
| | POVC | 197+00.00 | 1355.97 | | | | | | |
| | PVI | 197+25.00 | 1357 | | | | | | |
| | POVC | 197+50.00 | 1358.26 | | | | | | |
| | PVT | 197+65.00 | 1359 | | | | | | |
| Linear | PVT | 197+65.00 | 1359 | 60 | 4.99% | | | | |
| | POVT | 198+00.00 | 1360.75 | | | | | | |
| | PVC | 198+25.00 | 1361.99 | | | | | | |
| Symmetrical Parabola | PVC | 198+25.00 | 1361.99 | 130 | 4.99% | 4.70% | 442.27 | -0.05 | 3736.34 |
| | POVC | 198+50.00 | 1363.24 | | | | | | |
| | PVI | 198+90.00 | 1365.24 | | | | | | |
| | POVC | 199+00.00 | 1365.68 | | | | | | |
| | POVC | 199+50.00 | 1368.06 | | | | | | |
| | PVRC | 199+55.00 | 1368.3 | | | | | | |
| Symmetrical Parabola | PVRC | 199+55.00 | 1368.3 | 70 | 4.70% | 5.47% | 90.35 | 0.07 | |
| | PVI | 199+90.00 | 1369.94 | | | | | | |
| | POVC | 200+00.00 | 1370.52 | | | | | | |
| | PVT | 200+25.00 | 1371.86 | | | | | | |
| Linear | PVT | 200+25.00 | 1371.86 | 21.75 | 5.47% | | | | |
| | PVC | 200+46.75 | 1373.05 | | | | | | |
| Symmetrical Parabola | PVC | 200+46.75 | 1373.05 | 75 | 5.47% | 6.74% | 59.4 | 0.12 | |
| | PVI | A 0+05.00 | 1375.1 | | | | | | |
| EQNBK | | 200+79.25 | | | | | | | |
| | | A 0+00.00 | | | | | | | |
| EQNAHD | POVC | A 0+00.00 | 1374.92 | | | | | | |
| | POVC | A 0+50.00 | 1373.23 | | | | | | |
| | PVRC | A 0+42.50 | 1377.63 | | | | | | |
| | PVRC | A 0+42.50 | 1377.63 | | | | | | |
| | POVC | A 0+50.00 | 1378.13 | | | | | | |
| Symmetrical Parabola | PVI | A 0+85.00 | 1380.49 | 85 | 6.74% | 5.34% | 60.77 | -0.15 | 814.09 |
| | POVC | A 1+00.00 | 1381.23 | | | | | | |
| | PVT | A 1+27.50 | 1382.76 | | | | | | |
| | PVT | A 1+27.50 | 1382.76 | 87.5 | 5.34% | | | | |
| Linear | POVT | A 1+50.00 | 1383.96 | | | | | | |
| | POVT | A 2+00.00 | 1386.63 | | | | | | |
| | PVC | A 2+15.00 | 1387.43 | | | | | | |
| | PVC | A 2+15.00 | 1387.43 | 100 | 5.34% | 5.60% | 382.98 | 0.03 | |
| | POVC | A 2+50.00 | 1389.32 | | | | | | |
| Symmetrical Parabola | PVI | A 2+65.00 | 1390.1 | | | | | | |
| | POVC | A 3+00.00 | 1392.06 | | | | | | |
| | PVRC | A 3+15.00 | 1392.9 | | | | | | |
| | PVRC | A 3+15.00 | 1392.9 | 110 | 5.60% | 3.98% | 67.78 | -0.22 | 719.97 |
| | POVC | A 3+50.00 | 1394.77 | | | | | | |
| Symmetrical Parabola | PVI | A 3+70.00 | 1395.98 | | | | | | |
| | POVC | A 4+00.00 | 1397.13 | | | | | | |
| | PVT | A 4+25.00 | 1398.17 | | | | | | |
| Linear | PVT | A 4+25.00 | 1398.17 | 55 | 3.98% | | | | |
| | POVT | A 4+50.00 | 1399.16 | | | | | | |
| | PVC | A 4+80.00 | 1400.35 | | | | | | |
| Symmetrical Parabola | PVC | A 4+80.00 | 1400.35 | 130 | 3.98% | 4.67% | 188.34 | 0.11 | |
| | POVC | A 5+00.00 | 1401.16 | | | | | | |
| | PVI | A 5+45.00 | 1402.94 | | | | | | |
| | POVC | A 5+50.00 | 1403.27 | | | | | | |
| | POVC | A 6+00.00 | 1405.51 | | | | | | |
| | PVT | A 6+10.00 | 1405.97 | | | | | | |
| Linear | PVT | A 6+10.00 | 1405.97 | 340 | 4.67% | | | | |
| | POVT | A 6+50.00 | 1407.84 | | | | | | |
| | POVT | A 7+00.00 | 1410.17 | | | | | | |
| | POVT | A 7+50.00 | 1412.51 | | | | | | |
| | POVT | A 8+00.00 | 1414.84 | | | | | | |
| | POVT | A 8+50.00 | 1417.18 | | | | | | |
| | POVT | A 9+00.00 | 1419.51 | | | | | | |
| | PVC | A 9+50.00 | 1421.84 | | | | | | |
| | PVC | A 9+50.00 | 1421.84 | 140 | 4.67% | 3.00% | 83.96 | -0.29 | 717.22 |
| | POVC | A 10+00.00 | 1424.03 | | | | | | |
| Symmetrical Parabola | PVI | A 10+20.00 | 1425.11 | | | | | | |
| | POVC | A 10+50.00 | 1425.91 | | | | | | |
| | PVT | A 10+90.00 | 1427.21 | | | | | | |
| | PVT | A 10+90.00 | 1427.21 | 120 | 3.00% | | | | |
| | POVT | A 11+00.00 | 1427.51 | | | | | | |
| Linear | POVT | A 11+50.00 | 1429.01 | | | | | | |
| | POVT | A 12+00.00 | 1430.51 | | | | | | |
| | PVC | A 12+10.00 | 1430.81 | | | | | | |
| | PVC | A 12+10.00 | 1430.81 | 150 | 3.00% | 4.56% | 96.26 | 0.29 | |
| | POVC | A 12+50.00 | 1432.09 | | | | | | |
| Symmetrical Parabola | PVI | A 12+85.00 | 1433.06 | | | | | | |
| | POVC | A 13+00.00 | 1433.93 | | | | | | |
| | POVC | A 13+50.00 | 1436.03 | | | | | | |
| | PVT | A 13+60.00 | 1436.48 | | | | | | |
| Linear | PVT | A 13+60.00 | 1436.48 | 90 | 4.56% | | | | |
| | POVT | A 14+00.00 | 1438.3 | | | | | | |
| | PVC | A 14+50.00 | 1440.58 | | | | | | |

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POVT - POINT ON VERTICAL CURVE

**VERTICAL ALIGNMENT TABLE SHEET 3**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_110.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 110 OF 178

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Symmetrical Parabola | PVC | A 14+50.00 | 1440.58 | 150 | 4.56% | 5.12% | 266.67 | 0.11 | |
| | POVC | A 15+00.00 | 1442.91 | | | | | | |
| | PVI | A 15+25.00 | 1444 | | | | | | |
| | POVC | A 15+50.00 | 1445.33 | | | | | | |
| | PVT | A 16+00.00 | 1447.84 | | | | | | |
| Linear | PVT | A 16+00.00 | 1447.84 | 95 | 5.12% | | | | |
| | POVT | A 16+50.00 | 1450.4 | | | | | | |
| | PVC | A 16+95.00 | 1452.71 | | | | | | |
| Symmetrical Parabola | PVC | A 16+95.00 | 1452.71 | 140 | 5.12% | 2.57% | 54.89 | -0.45 | 493.09 |
| | POVC | A 17+00.00 | 1452.96 | | | | | | |
| | POVC | A 17+50.00 | 1455.25 | | | | | | |
| | PVI | A 17+65.00 | 1456.29 | | | | | | |
| | POVC | A 18+00.00 | 1457.08 | | | | | | |
| | PVT | A 18+35.00 | 1458.09 | | | | | | |
| Linear | PVT | A 18+35.00 | 1458.09 | 100 | 2.57% | | | | |
| | POVT | A 18+50.00 | 1458.47 | | | | | | |
| | POVT | A 19+00.00 | 1459.76 | | | | | | |
| | PVC | A 19+35.00 | 1460.66 | | | | | | |
| Symmetrical Parabola | PVC | A 19+35.00 | 1460.66 | 130 | 2.57% | 3.68% | 116.67 | 0.18 | |
| | POVC | A 19+50.00 | 1461.05 | | | | | | |
| | POVC | A 20+00.00 | 1462.51 | | | | | | |
| | PVI | A 20+00.00 | 1462.33 | | | | | | |
| | POVC | A 20+50.00 | 1464.18 | | | | | | |
| | PVT | A 20+65.00 | 1464.72 | | | | | | |
| Linear | PVT | A 20+65.00 | 1464.72 | 110 | 3.68% | | | | |
| | POVT | A 21+00.00 | 1466.01 | | | | | | |
| | POVT | A 21+50.00 | 1467.86 | | | | | | |
| | PVC | A 21+75.00 | 1468.78 | | | | | | |
| Symmetrical Parabola | PVC | A 21+75.00 | 1468.78 | 100 | 3.68% | 2.63% | 94.39 | -0.13 | 1068.6 |
| | POVC | A 22+00.00 | 1469.67 | | | | | | |
| | PVI | A 22+25.00 | 1470.62 | | | | | | |
| | POVC | A 22+50.00 | 1471.24 | | | | | | |
| | PVT | A 22+75.00 | 1471.93 | | | | | | |
| Linear | PVT | A 22+75.00 | 1471.93 | 30 | 2.63% | | | | |
| | POVT | A 23+00.00 | 1472.59 | | | | | | |
| | PVC | A 23+05.00 | 1472.72 | | | | | | |
| Symmetrical Parabola | PVC | A 23+05.00 | 1472.72 | 80 | 2.63% | 3.45% | 97.38 | 0.08 | |
| | PVI | A 23+45.00 | 1473.77 | | | | | | |
| | POVC | A 23+50.00 | 1474.01 | | | | | | |
| | PVT | A 23+85.00 | 1475.15 | | | | | | |
| Linear | PVT | A 23+85.00 | 1475.15 | 105 | 3.45% | | | | |
| | POVT | A 24+00.00 | 1475.67 | | | | | | |
| | POVT | A 24+50.00 | 1477.39 | | | | | | |
| | PVC | A 24+90.00 | 1478.77 | | | | | | |
| Symmetrical Parabola | PVC | A 24+90.00 | 1478.77 | 140 | 3.45% | 5.01% | 89.44 | 0.27 | |
| | POVC | A 25+00.00 | 1479.12 | | | | | | |
| | POVC | A 25+50.00 | 1481.04 | | | | | | |
| | PVI | A 25+60.00 | 1481.16 | | | | | | |
| | POVC | A 26+00.00 | 1483.24 | | | | | | |
| | PVT | A 26+30.00 | 1484.69 | | | | | | |
| Linear | PVT | A 26+30.00 | 1484.69 | 37.5 | 5.01% | | | | |
| | POVT | A 26+50.00 | 1485.69 | | | | | | |
| | PVC | A 26+67.50 | 1486.57 | | | | | | |
| Symmetrical Parabola | PVC | A 26+67.50 | 1486.57 | 125 | 5.01% | 2.93% | 60.12 | -0.32 | 581.49 |
| | POVC | A 27+00.00 | 1488.11 | | | | | | |
| | PVI | A 27+30.00 | 1489.7 | | | | | | |
| | POVC | A 27+50.00 | 1490.14 | | | | | | |
| | PVT | A 27+92.50 | 1491.53 | | | | | | |
| Linear | PVT | A 27+92.50 | 1491.53 | 247.5 | 2.93% | | | | |
| | POVT | A 28+00.00 | 1491.75 | | | | | | |
| | POVT | A 28+50.00 | 1493.22 | | | | | | |
| | POVT | A 29+00.00 | 1494.69 | | | | | | |
| | POVT | A 29+50.00 | 1496.15 | | | | | | |
| | POVT | A 30+00.00 | 1497.62 | | | | | | |
| | PVC | A 30+40.00 | 1498.79 | | | | | | |
| Symmetrical Parabola | PVC | A 30+40.00 | 1498.79 | 120 | 2.93% | 2.81% | 945.8 | -0.02 | 8565.49 |
| | POVC | A 30+50.00 | 1499.08 | | | | | | |
| | POVC | A 31+00.00 | 1500.53 | | | | | | |
| | PVI | A 31+00.00 | 1500.55 | | | | | | |
| | POVC | A 31+50.00 | 1501.95 | | | | | | |
| | PVT | A 31+60.00 | 1502.23 | | | | | | |
| Linear | PVT | A 31+60.00 | 1502.23 | 250 | 2.81% | | | | |
| | POVT | A 32+00.00 | 1503.36 | | | | | | |
| | POVT | A 32+50.00 | 1504.76 | | | | | | |
| | POVT | A 33+00.00 | 1506.16 | | | | | | |
| | POVT | A 33+50.00 | 1507.56 | | | | | | |
| | POVT | A 34+00.00 | 1508.97 | | | | | | |
| | PVC | A 34+10.00 | 1509.25 | | | | | | |
| Symmetrical Parabola | PVC | A 34+10.00 | 1509.25 | 100 | 2.81% | 2.20% | 166.02 | -0.08 | 1841.63 |
| | POVC | A 34+50.00 | 1510.32 | | | | | | |
| | PVI | A 34+60.00 | 1510.65 | | | | | | |
| | POVC | A 35+00.00 | 1511.53 | | | | | | |
| | PVT | A 35+10.00 | 1511.75 | | | | | | |
| Linear | PVT | A 35+10.00 | 1511.75 | 122.5 | 2.20% | | | | |
| | POVT | A 35+50.00 | 1512.63 | | | | | | |
| | POVT | A 36+00.00 | 1513.73 | | | | | | |
| | PVC | A 36+32.50 | 1514.45 | | | | | | |
| Symmetrical Parabola | PVC | A 36+32.50 | 1514.45 | 275 | 2.20% | 4.50% | 119.52 | 0.79 | |
| | POVC | A 36+50.00 | 1514.85 | | | | | | |
| | POVC | A 37+00.00 | 1516.13 | | | | | | |
| | POVC | A 37+50.00 | 1517.62 | | | | | | |
| | PVI | A 37+70.00 | 1517.48 | | | | | | |
| | POVC | A 38+00.00 | 1519.31 | | | | | | |
| | POVC | A 38+50.00 | 1521.22 | | | | | | |
| | POVC | A 39+00.00 | 1523.34 | | | | | | |
| | PVT | A 39+07.50 | 1523.67 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Linear | PVT | A 39+07.50 | 1523.67 | 167.5 | 4.50% | | | | |
| | POVT | A 39+50.00 | 1525.59 | | | | | | |
| | POVT | A 40+00.00 | 1527.84 | | | | | | |
| | POVT | A 40+50.00 | 1530.09 | | | | | | |
| | PVC | A 40+75.00 | 1531.22 | | | | | | |
| Symmetrical Parabola | PVC | A 40+75.00 | 1531.22 | 350 | 4.50% | 6.49% | 176.35 | 0.67 | |
| | POVC | A 41+00.00 | 1532.36 | | | | | | |
| | POVC | A 41+50.00 | 1534.76 | | | | | | |
| | POVC | A 42+00.00 | 1537.29 | | | | | | |
| | POVC | A 42+50.00 | 1539.97 | | | | | | |
| | PVI | A 42+50.00 | 1539.1 | | | | | | |
| | POVC | A 43+00.00 | 1542.79 | | | | | | |
| | POVC | A 43+50.00 | 1545.75 | | | | | | |
| | POVC | A 44+00.00 | 1548.85 | | | | | | |
| | PVT | A 44+25.00 | 1550.46 | | | | | | |
| Linear | PVT | A 44+25.00 | 1550.46 | 90 | 6.49% | | | | |
| | POVT | A 44+50.00 | 1552.08 | | | | | | |
| | POVT | A 45+00.00 | 1555.32 | | | | | | |
| | PVC | A 45+15.00 | 1556.3 | | | | | | |
| Symmetrical Parabola | PVC | A 45+15.00 | 1556.3 | 100 | 6.49% | 3.12% | 29.68 | -0.42 | 370.33 |
| | POVC | A 45+50.00 | 1558.36 | | | | | | |
| | PVI | A 45+65.00 | 1559.54 | | | | | | |
| | POVC | A 46+00.00 | 1560.59 | | | | | | |
| | PVT | A 46+15.00 | 1561.1 | | | | | | |
| Linear | PVT | A 46+15.00 | 1561.1 | 207.5 | 3.12% | | | | |
| | POVT | A 46+50.00 | 1562.19 | | | | | | |
| | POVT | A 47+00.00 | 1563.75 | | | | | | |
| | POVT | A 47+50.00 | 1565.31 | | | | | | |
| | POVT | A 48+00.00 | 1566.87 | | | | | | |
| | PVC | A 48+22.50 | 1567.57 | | | | | | |
| Symmetrical Parabola | PVC | A 48+22.50 | 1567.57 | 235 | 3.12% | 0.98% | 109.91 | -0.63 | 622.2 |
| | POVC | A 48+50.00 | 1568.4 | | | | | | |
| | POVC | A 49+00.00 | 1569.72 | | | | | | |
| | PVI | A 49+40.00 | 1571.24 | | | | | | |
| | POVC | A 49+50.00 | 1570.81 | | | | | | |
| | POVC | A 50+00.00 | 1571.68 | | | | | | |
| | POVC | A 50+50.00 | 1572.32 | | | | | | |
| | PVT | A 50+57.50 | 1572.39 | | | | | | |
| Linear | PVT | A 50+57.50 | 1572.39 | 47.5 | 0.98% | | | | |
| | POVT | A 51+00.00 | 1572.81 | | | | | | |
| | PVC | A 51+05.00 | 1572.86 | | | | | | |
| Symmetrical Parabola | PVC | A 51+05.00 | 1572.86 | 110 | 0.98% | 2.70% | 63.9 | 0.24 | |
| | POVC | A 51+50.00 | 1573.46 | | | | | | |
| | PVI | A 51+60.00 | 1573.4 | | | | | | |
| | POVC | A 52+00.00 | 1574.5 | | | | | | |
| | PVRC | A 52+15.00 | 1574.89 | | | | | | |
| Symmetrical Parabola | PVRC | A 52+15.00 | 1574.89 | 200 | 2.70% | -1.23% | 50.79 | -0.98 | 374.03 |
| | POVC | A 52+50.00 | 1575.71 | | | | | | |
| | POVC | A 53+00.00 | 1576.47 | | | | | | |
| | PVI | A 53+15.00 | 1577.59 | | | | | | |
| | VHIGH | A 53+52.29 | 1576.74 | | | | | | |
| | POVC | A 53+50.00 | 1576.74 | | | | | | |
| | POVC | A 54+00.00 | 1576.52 | | | | | | |
| | PVT | A 54+15.00 | 1576.36 | | | | | | |
| Linear | PVT | A 54+15.00 | 1576.36 | 55 | -1.23% | | | | |
| | POVT | A 54+50.00 | 1575.92 | | | | | | |
| | PVC | A 54+70.00 | 1575.68 | | | | | | |
| Symmetrical Parabola | PVC | A 54+70.00 | 1575.68 | 150 | -1.23% | 2.05% | 45.69 | 0.62 | |
| | POVC | A 55+00.00 | 1575.4 | | | | | | |
| | VLOW | A 55+26.41 | 1575.33 | | | | | | |
| | PVI | A 55+45.00 | 1574.75 | | | | | | |
| | POVC | A 55+50.00 | 1575.39 | | | | | | |
| | POVC | A 56+00.00 | 1575.92 | | | | | | |
| | PVT | A 56+20.00 | 1576.29 | | | | | | |
| Linear | PVT | A 56+20.00 | 1576.29 | 185 | 2.05% | | | | |
| | POVT | A 56+50.00 | 1576.9 | | | | | | |
| | POVT | A 57+00.00 | 1577.93 | | | | | | |
| | POVT | A 57+50.00 | 1578.95 | | | | | | |
| | POVT | A 58+00.00 | 1579.97 | | | | | | |
| | PVC | A 58+05.00 | 1580.08 | | | | | | |
| Symmetrical Parabola | PVC | A 58+05.00 | 1580.08 | 100 | 2.05% | 3.14% | 91.91 | 0.14 | |
| | POVC | A 58+50.00 | 1581.11 | | | | | | |
| | PVI | A 58+55.00 | 1581.1 | | | | | | |
| | POVC | A 59+00.00 | 1582.51 | | | | | | |
| | PVT | A 59+05.00 | 1582.67 | | | | | | |
| Linear | PVT | A 59+05.00 | 1582.67 | 45 | 3.14% | | | | |
| | PVC | A 59+50.00 | 1584.08 | | | | | | |
| Symmetrical Parabola | PVC | A 59+50.00 | 1584.08 | 250 | 3.14% | 1.96% | 212.89 | -0.37 | 1043.98 |
| | POVC | A 60+00.00 | 1585.59 | | | | | | |
| | POVC | A 60+50.00 | 1586.98 | | | | | | |
| | PVI | A 60+75.00 | 1588 | | | | | | |
| | POVC | A 61+00.00 | 1588.26 | | | | | | |
| | POVC | A 61+50.00 | 1589.41 | | | | | | |
| | PVT | A 62+00.00 | 1590.45 | | | | | | |
| Linear | PVT | A 62+00.00 | 1590.45 | 80 | 1.96% | | | | |
| | POVT | A 62+50.00 | 1591.43 | | | | | | |
| | PVC | A 62+80.00 | 1592.02 | | | | | | |
| Symmetrical Parabola | PVC | A 62+80.00 | 1592.02 | 170 | 1.96% | 6.93% | 34.2 | 1.06 | |
| | POVC | A 63+00.00 | 1592.47 | | | | | | |
| | POVC | A 63+50.00 | 1594.11 | | | | | | |
| | PVI | A 63+65.00 | 1593.69 | | | | | | |
| | POVC | A 64+00.00 | 1596.48 | | | | | | |
| | PVCC | A 64+50.00 | 1599.58 | | | | | | |
| Symmetrical Parabola | PVCC | A 64+50.00 | 1599.58 | 115 | 6.93% | 9.35% | 47.62 | 0.35 | |
| | POVC | A 65+00.00 | 1603.31 | | | | | | |
| | PVI | A 65+07.50 | 1603.57 | | | | | | |
| | POVC | A 65+50.00 | 1607.57 | | | | | | |
| | PVRC | A 65+65.00 | 1608.95 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Symmetrical Parabola | PVRC | A 65+65.00 | 1608.95 | 560 | 9.35% | 2.86% | 86.37 | -4.54 | 431.74 |
| | POVC | A 66+00.00 | 1612.15 | | | | | | |
| | POVC | A 66+50.00 | 1616.47 | | | | | | |
| | POVC | A 67+00.00 | 1620.51 | | | | | | |
| | POVC | A 67+50.00 | 1624.26 | | | | | | |
| | POVC | A 68+00.00 | 1627.72 | | | | | | |
| | PVI | A 68+45.00 | 1635.12 | | | | | | |
| | POVC | A 69+50.00 | 1630.89 | | | | | | |
| | POVC | A 69+00.00 | 1633.76 | | | | | | |
| | POVC | A 69+50.00 | 1636.35 | | | | | | |
| | POVC | A 70+00.00 | 1638.65 | | | | | | |
| | POVC | A 70+50.00 | 1640.67 | | | | | | |
| | POVC | A 71+00.00 | 1642.39 | | | | | | |
| | PVCC | A 71+25.00 | 1643.14 | | | | | | |
| Symmetrical Parabola | PVCC | A 71+25.00 | 1643.14 | 220 | 2.86% | 1.40% | 150.26 | -0.4 | 847.07 |
| | POVC | A 71+50.00 | 1643.83 | | | | | | |
| | POVC | A 72+00.00 | 1645.1 | | | | | | |
| | PVI | A 72+35.00 | 1646.29 | | | | | | |
| | POVC | A 72+50.00 | 1646.2 | | | | | | |
| | POVC | A 73+00.00 | 1647.13 | | | | | | |
| | PVT | A 73+45.00 | 1647.83 | | | | | | |
| Linear | PVT | A 73+45.00 | 1647.83 | 25 | 1.40% | | | | |
| | POVT | A 73+50.00 | 1647.9 | | | | | | |
| | PVC | A 73+70.00 | 1648.18 | | | | | | |
| Symmetrical Parabola | PVC | A 73+70.00 | 1648.18 | 160 | 1.40% | 2.67% | 125.93 | 0.25 | |
| | PVI | A 74+50.00 | 1649.3 | | | | | | |
| | POVC | A 74+00.00 | 1648.64 | | | | | | |
| | POVC | A 74+50.00 | 1649.55 | | | | | | |
| | POVC | A 75+00.00 | 1650.67 | | | | | | |
| | PVCC | A 75+30.00 | 1651.44 | | | | | | |
| Symmetrical Parabola | PVCC | A 75+30.00 | 1651.44 | 180 | 2.67% | 8.00% | 33.77 | 1.2 | |
| | POVC | A 75+50.00 | 1652.03 | | | | | | |
| | POVC | A 76+00.00 | 1654.03 | | | | | | |
| | PVI | A 76+20.00 | 1653.84 | | | | | | |
| | POVC | A 76+50.00 | 1656.77 | | | | | | |
| | POVC | A 77+00.00 | 1660.25 | | | | | | |
| | PVT | A 77+10.00 | 1661.04 | | | | | | |
| Linear | PVT | A 77+10.00 | 1661.04 | 165 | 8.00% | | | | |
| | POVT | A 77+50.00 | 1664.24 | | | | | | |
| | POVT | A 78+00.00 | 1668.24 | | | | | | |
| | POVT | A 78+50.00 | 1672.24 | | | | | | |
| | PVC | A 78+75.00 | 1674.24 | | | | | | |
| Symmetrical Parabola | PVC | A 78+75.00 | 1674.24 | 150 | 8.00% | 7.59% | 363.64 | -0.08 | 2691.12 |
| | POVC | A 79+00.00 | 1676.23 | | | | | | |
| | POVC | A 79+50.00 | 1680.16 | | | | | | |
| | PVI | A 79+50.00 | 1680.24 | | | | | | |
| | POVC | A 80+00.00 | 1684.03 | | | | | | |
| | PVT | A 80+25.00 | 1685.93 | | | | | | |
| Linear | PVT | A 80+25.00 | 1685.93 | 215 | 7.59% | | | | |
| | POVT | A 80+50.00 | 1687.83 | | | | | | |
| | POVT | A 81+00.00 | 1691.62 | | | | | | |
| | POVT | A 81+50.00 | 1695.42 | | | | | | |
| | POVT | A 82+00.00 | 1699.21 | | | | | | |
| | PVC | A 82+40.00 | 1702.24 | | | | | | |
| Symmetrical Parabola | PVC | A 82+40.00 | 1702.24 | 220 | 7.59% | 13.46% | 37.45 | 1.62 | |
| | POVC | A 82+50.00 | 1703.02 | | | | | | |
| | POVC | A 83+00.00 | 1707.28 | | | | | | |
| | POVC | A 83+50.00 | 1712.21 | | | | | | |
| | PVI | A 83+50.00 | 1710.59 | | | | | | |
| | POVC | A 84+00.00 | 1717.8 | | | | | | |
| | POVC | A 84+50.00 | 1724.07 | | | | | | |
| | PVT | A 84+60.00 | 1725.4 | | | | | | |
| Linear | PVT | A 84+60.00 | 1725.4 | 55 | 13.46% | | | | |
| | POVT | A 85+00.00 | 1730.78 | | | | | | |
| | PVC | A 85+15.00 | 1732.8 | | | | | | |
| Symmetrical Parabola | PVC | A 85+15.00 | 1732.8 | 150 | 13.46% | 7.08% | 23.49 | -1.2 | 244.01 |
| | POVC | A 85+50.00 | 1737.25 | | | | | | |
| | PVI | A 85+90.00 | 1742.9 | | | | | | |
| | POVC | A 86+00.00 | 1742.71 | | | | | | |
| | POVC | A 86+50.00 | 1747.1 | | | | | | |
| | PVT | A 86+65.00 | 1748.21 | | | | | | |
| Linear | PVT | A 86+65.00 | 1748.21 | 95 | 7.08% | | | | |
| | POVT | A 87+00.00 | 1750.69 | | | | | | |
| | POVT | A 87+50.00 | 1754.22 | | | | | | |
| | PVC | A 87+60.00 | 1754.93 | | | | | | |
| Symmetrical Parabola | PVC | A 87+60.00 | 1754.93 | 100 | 7.08% | 5.69% | 71.94 | -0.17 | 826.32 |
| | POVC | A 88+00.00 | 1757.65 | | | | | | |
| | PVI | A 88+10.00 | 1758.47 | | | | | | |
| | POVC | A 88+50.00 | 1760.74 | | | | | | |
| | PVT | A 88+60.00 | 1761.31 | | | | | | |
| Linear | PVT | A 88+60.00 | 1761.31 | 100 | 5.69% | | | | |
| | POVT | A 89+00.00 | 1763.59 | | | | | | |
| | POVT | A 89+50.00 | 1766.43 | | | | | | |
| | PVC | A 89+60.00 | 1767 | | | | | | |
| Symmetrical Parabola | PVC | A 89+60.00 | 1767 | 90 | 5.69% | 4.73% | 94.46 | -0.11 | 1177.56 |
| | POVC | A 90+00.00 | 1769.19 | | | | | | |
| | PVI | A 90+05.00 | 1769.56 | | | | | | |
| | PVT | A 90+50.00 | 1771.69 | | | | | | |

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POVT - POINT ON VERTICAL CURVE

**VERTICAL ALIGNMENT TABLE SHEET 4**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_III.I

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET III OF 178

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Linear | PVT | A 90+50.00 | 1771.69 | 125 | 4.73% | | | | |
| | POVT | A 91+00.00 | 1774.06 | | | | | | |
| | POVT | A 91+50.00 | 1776.42 | | | | | | |
| | PVC | A 91+75.00 | 1777.61 | | | | | | |
| Symmetrical Parabola | PVC | A 91+75.00 | 1777.61 | 270 | 4.73% | 11.96% | 37.39 | 2.44 | |
| | POVC | A 92+00.00 | 1778.88 | | | | | | |
| | POVC | A 92+50.00 | 1781.91 | | | | | | |
| | POVC | A 93+00.00 | 1785.62 | | | | | | |
| | PVI | A 93+10.00 | 1784 | | | | | | |
| | POVC | A 93+50.00 | 1789.99 | | | | | | |
| | POVC | A 94+00.00 | 1795.03 | | | | | | |
| | PVT | A 94+45.00 | 1800.14 | | | | | | |
| Linear | PVT | A 94+45.00 | 1800.14 | 60 | 11.96% | | | | |
| | POVT | A 94+50.00 | 1800.74 | | | | | | |
| | POVT | A 95+00.00 | 1806.72 | | | | | | |
| | PVC | A 95+05.00 | 1807.31 | | | | | | |
| Symmetrical Parabola | PVC | A 95+05.00 | 1807.31 | 60 | 11.96% | 12.54% | 102.16 | 0.04 | |
| | PVI | A 95+35.00 | 1810.9 | | | | | | |
| | POVC | A 95+50.00 | 1812.79 | | | | | | |
| | PVT | A 95+65.00 | 1814.66 | | | | | | |
| Linear | PVT | A 95+65.00 | 1814.66 | 45 | 12.54% | | | | |
| | POVT | A 96+00.00 | 1819.05 | | | | | | |
| | PVC | A 96+10.00 | 1820.31 | | | | | | |
| Symmetrical Parabola | PVC | A 96+10.00 | 1820.31 | 200 | 12.54% | 3.19% | 21.37 | -2.34 | 215.32 |
| | POVC | A 96+50.00 | 1824.95 | | | | | | |
| | POVC | A 97+00.00 | 1829.7 | | | | | | |
| | PVI | A 97+10.00 | 1832.85 | | | | | | |
| | POVC | A 97+50.00 | 1833.28 | | | | | | |
| | POVC | A 98+00.00 | 1835.69 | | | | | | |
| | PVT | A 98+10.00 | 1836.04 | | | | | | |
| Linear | PVT | A 98+10.00 | 1836.04 | 135 | 3.19% | | | | |
| | POVT | A 98+50.00 | 1837.31 | | | | | | |
| | POVT | A 99+00.00 | 1838.9 | | | | | | |
| | PVC | A 99+45.00 | 1840.33 | | | | | | |
| Symmetrical Parabola | PVC | A 99+45.00 | 1840.33 | 200 | 3.19% | 6.47% | 60.8 | 0.82 | |
| | POVC | A 99+50.00 | 1840.5 | | | | | | |
| | POVC | A 100+00.00 | 1842.34 | | | | | | |
| | PVI | A 100+45.00 | 1843.52 | | | | | | |
| | POVC | A 100+50.00 | 1844.59 | | | | | | |
| | POVC | A 101+00.00 | 1847.25 | | | | | | |
| | PVT | A 101+45.00 | 1849.99 | | | | | | |
| Linear | PVT | A 101+45.00 | 1849.99 | 200 | 6.47% | | | | |
| | POVT | A 101+50.00 | 1850.32 | | | | | | |
| | POVT | A 102+00.00 | 1853.56 | | | | | | |
| | POVT | A 102+50.00 | 1856.79 | | | | | | |
| | POVT | A 103+00.00 | 1860.03 | | | | | | |
| | PVC | A 103+45.00 | 1862.94 | | | | | | |
| Symmetrical Parabola | PVC | A 103+45.00 | 1862.94 | 150 | 6.47% | 7.01% | 278.69 | 0.1 | |
| | POVC | A 103+50.00 | 1863.27 | | | | | | |
| | POVC | A 104+00.00 | 1866.56 | | | | | | |
| | PVI | A 104+20.00 | 1867.8 | | | | | | |
| | POVC | A 104+50.00 | 1869.94 | | | | | | |
| | PVT | A 104+95.00 | 1873.06 | | | | | | |
| Linear | PVT | A 104+95.00 | 1873.06 | 55 | 7.01% | | | | |
| | POVT | A 105+00.00 | 1873.41 | | | | | | |
| | PVC | A 105+50.00 | 1876.92 | | | | | | |
| Symmetrical Parabola | PVC | A 105+50.00 | 1876.92 | 50 | 7.01% | 6.53% | 104.26 | -0.03 | 2275.25 |
| | PVI | A 105+75.00 | 1878.67 | | | | | | |
| | PVRC | A 106+00.00 | 1880.3 | | | | | | |
| Symmetrical Parabola | PVRC | A 106+00.00 | 1880.3 | 130 | 6.53% | 8.48% | 66.91 | 0.32 | |
| | POVC | A 106+50.00 | 1883.76 | | | | | | |
| | PVI | A 106+65.00 | 1884.55 | | | | | | |
| | POVC | A 107+00.00 | 1887.58 | | | | | | |
| | PVT | A 107+30.00 | 1890.06 | | | | | | |
| Linear | PVT | A 107+30.00 | 1890.06 | 95 | 8.48% | | | | |
| | POVT | A 107+50.00 | 1891.75 | | | | | | |
| | POVT | A 108+00.00 | 1895.99 | | | | | | |
| | PVC | A 108+25.00 | 1898.11 | | | | | | |
| Symmetrical Parabola | PVC | A 108+25.00 | 1898.11 | 100 | 8.48% | 8.25% | 442.11 | -0.03 | 4820.98 |
| | POVC | A 108+50.00 | 1900.22 | | | | | | |
| | PVI | A 108+75.00 | 1902.35 | | | | | | |
| | POVC | A 109+00.00 | 1904.41 | | | | | | |
| | PVT | A 109+25.00 | 1906.48 | | | | | | |
| Linear | PVT | A 109+25.00 | 1906.48 | 125 | 8.25% | | | | |
| | POVT | A 109+50.00 | 1906.54 | | | | | | |
| | POVT | A 110+00.00 | 1912.66 | | | | | | |
| | PVC | A 110+50.00 | 1916.79 | | | | | | |
| Symmetrical Parabola | PVC | A 110+50.00 | 1916.79 | 90 | 8.25% | 9.09% | 106.54 | 0.1 | |
| | PVI | A 110+95.00 | 1920.5 | | | | | | |
| | POVC | A 111+00.00 | 1921.03 | | | | | | |
| | PVRC | A 111+40.00 | 1924.59 | | | | | | |
| Symmetrical Parabola | PVRC | A 111+40.00 | 1924.59 | 100 | 9.09% | 8.63% | 214.79 | -0.06 | 2367.91 |
| | POVC | A 111+50.00 | 1925.5 | | | | | | |
| | PVI | A 111+90.00 | 1929.14 | | | | | | |
| | POVC | A 112+00.00 | 1929.97 | | | | | | |
| | PVT | A 112+40.00 | 1933.45 | | | | | | |
| Linear | PVT | A 112+40.00 | 1933.45 | 35 | 8.63% | | | | |
| | POVT | A 112+50.00 | 1934.32 | | | | | | |
| | PVC | A 112+75.00 | 1936.47 | | | | | | |
| Symmetrical Parabola | PVC | A 112+75.00 | 1936.47 | 310 | 8.63% | 12.72% | 75.84 | 1.58 | |
| | POVC | A 113+00.00 | 1938.67 | | | | | | |
| | POVC | A 113+50.00 | 1943.32 | | | | | | |
| | POVC | A 114+00.00 | 1948.29 | | | | | | |
| | PVI | A 114+30.00 | 1949.85 | | | | | | |
| | POVC | A 114+50.00 | 1953.6 | | | | | | |
| | POVC | A 115+00.00 | 1959.23 | | | | | | |
| | POVC | A 115+50.00 | 1965.19 | | | | | | |
| | PVT | A 115+85.00 | 1969.56 | | | | | | |

| Element | Type | Station | Elevation | Length | Entrance Grade | Exit Grade | K | Middle Ordinate | SSD/HSD |
|---|---|---|---|---|---|---|---|---|---|
| Element: Linear | PVT | A 115+85.00 | 1969.56 | 80 | 12.72% | | | | |
| | POVT | A 116+00.00 | 1971.47 | | | | | | |
| | POVT | A 116+50.00 | 1977.83 | | | | | | |
| | PVC | A 116+65.00 | 1979.73 | | | | | | |
| Element: Symmetrical Parabola | PVC | A 116+65.00 | 1979.73 | 60 | 12.72% | 11.93% | 75.93 | -0.06 | 1395.75 |
| | PVI | A 116+95.00 | 1983.55 | | | | | | |
| | POVC | A 117+00.00 | 1984.11 | | | | | | |
| | PVT | A 117+25.00 | 1987.13 | | | | | | |
| Element: Linear | PVT | A 117+25.00 | 1987.13 | 125 | 11.93% | | | | |
| | POVT | A 117+50.00 | 1990.11 | | | | | | |
| | POVT | A 118+00.00 | 1996.07 | | | | | | |
| | PVC | A 118+50.00 | 2002.04 | | | | | | |
| Element: Symmetrical Parabola | PVC | A 118+50.00 | 2002.04 | 100 | 11.93% | 13.41% | 67.54 | 0.19 | |
| | PVI | A 119+00.00 | 2008 | | | | | | |
| | POVC | A 119+00.00 | 2008.19 | | | | | | |
| | PVT | A 119+50.00 | 2014.7 | | | | | | |
| Element: Linear | PVT | A 119+50.00 | 2014.7 | 35 | 13.41% | | | | |
| | PVC | A 119+85.00 | 2019.4 | | | | | | |
| Element: Symmetrical Parabola | PVC | A 119+85.00 | 2019.4 | 100 | 13.41% | 11.89% | 65.94 | -0.19 | 761.61 |
| | POVC | A 120+00.00 | 2021.39 | | | | | | |
| | PVI | A 120+35.00 | 2026.1 | | | | | | |
| | POVC | A 120+50.00 | 2027.79 | | | | | | |
| | PVRC | A 120+85.00 | 2032.05 | | | | | | |
| Element: Symmetrical Parabola | PVRC | A 120+85.00 | 2032.05 | 120 | 11.89% | 13.50% | 74.65 | 0.24 | |
| | POVC | A 121+00.00 | 2033.84 | | | | | | |
| | PVI | A 121+45.00 | 2039.18 | | | | | | |
| | POVC | A 121+50.00 | 2040.06 | | | | | | |
| | POVC | A 122+00.00 | 2046.61 | | | | | | |
| | PVT | A 122+05.00 | 2047.28 | | | | | | |
| Element: Linear | PVT | A 122+05.00 | 2047.28 | 130 | 13.50% | | | | |
| | POVT | A 122+50.00 | 2053.35 | | | | | | |
| | POVT | A 123+00.00 | 2060.1 | | | | | | |
| | PVC | A 123+35.00 | 2064.83 | | | | | | |
| Element: Symmetrical Parabola | PVC | A 123+35.00 | 2064.83 | 230 | 13.50% | 10.94% | 89.84 | -0.74 | 536.54 |
| | POVC | A 123+50.00 | 2066.84 | | | | | | |
| | POVC | A 124+00.00 | 2073.37 | | | | | | |
| | POVC | A 124+50.00 | 2079.61 | | | | | | |
| | PVI | A 124+50.00 | 2080.35 | | | | | | |
| | POVC | A 125+00.00 | 2085.58 | | | | | | |
| | POVC | A 125+50.00 | 2091.28 | | | | | | |
| | PVT | A 125+65.00 | 2092.93 | | | | | | |
| Element: Linear | PVT | A 125+65.00 | 2092.93 | 330 | 10.94% | | | | |
| | POVT | A 126+00.00 | 2096.76 | | | | | | |
| | POVT | A 126+50.00 | 2102.23 | | | | | | |
| | POVT | A 127+00.00 | 2107.7 | | | | | | |
| | POVT | A 127+50.00 | 2113.16 | | | | | | |
| | POVT | A 128+00.00 | 2118.63 | | | | | | |
| | POVT | A 128+50.00 | 2124.1 | | | | | | |
| | PVC | A 128+95.00 | 2129.03 | | | | | | |
| Element: Symmetrical Parabola | PVC | A 128+95.00 | 2129.03 | 180 | 10.94% | 12.02% | 166.69 | 0.24 | |
| | POVC | A 129+00.00 | 2129.57 | | | | | | |
| | POVC | A 129+50.00 | 2135.13 | | | | | | |
| | PVI | A 129+85.00 | 2138.87 | | | | | | |
| | POVC | A 130+00.00 | 2140.84 | | | | | | |
| | POVC | A 130+50.00 | 2146.7 | | | | | | |
| | PVCC | A 130+75.00 | 2149.69 | | | | | | |
| Element: Symmetrical Parabola | PVCC | A 130+75.00 | 2149.69 | 150 | 12.02% | 13.96% | 77.32 | 0.36 | |
| | POVC | A 131+00.00 | 2152.73 | | | | | | |
| | POVC | A 131+50.00 | 2159.06 | | | | | | |
| | PVI | A 131+50.00 | 2158.7 | | | | | | |
| | POVC | A 132+00.00 | 2165.72 | | | | | | |
| | PVT | A 132+25.00 | 2169.17 | | | | | | |
| Element: Linear | PVT | A 132+25.00 | 2169.17 | 150 | 13.96% | | | | |
| | POVT | A 132+50.00 | 2172.66 | | | | | | |
| | POVT | A 133+00.00 | 2179.64 | | | | | | |
| | POVT | A 133+50.00 | 2186.62 | | | | | | |
| | PVC | A 133+75.00 | 2190.11 | | | | | | |
| Element: Symmetrical Parabola | PVC | A 133+75.00 | 2190.11 | 220 | 13.96% | 2.35% | 18.96 | -3.19 | 202.28 |
| | POVC | A 134+00.00 | 2193.43 | | | | | | |
| | POVC | A 134+50.00 | 2199.09 | | | | | | |
| | PVI | A 134+85.00 | 2205.46 | | | | | | |
| | POVC | A 135+00.00 | 2203.43 | | | | | | |
| | POVC | A 135+50.00 | 2206.46 | | | | | | |
| | PVT | A 135+95.00 | 2208.05 | | | | | | |
| Element: Linear | PVT | A 135+95.00 | 2208.05 | 60.6 | 2.35% | | | | |
| | POVT | A 136+00.00 | 2208.17 | | | | | | |
| | POVT | A 136+50.00 | 2209.34 | | | | | | |
| | POE | A 136+55.60 | 2209.48 | | | | | | |

PVC - POINT OF VERTICAL CURVATURE
PVT - POINT OF VERTICAL TANGENCY
PVI - POINT OF VERTICAL INTERSECTION
POVT - POINT ON VERTICAL TANGENT
POVT - POINT ON VERTICAL CURVE

**VERTICAL ALIGNMENT TABLE SHEET 5**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_112.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 112 OF 178

**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**
**MATERIALS & RESEARCH SECTION**
**SOILS & FOUNDATION UNIT**
**DRILLING NOTES**

| | | |
|---|---|---|
| **PROJECT NAME:** MONGOMERY-WESTFIELD | **PROJECT NUMBER:** STP 2906 (1) | **SITE:** VT-242 **DATE:** 10/2010 |
| **BORING CREW:** WERNER, PORTER, GARROW, HOLT | **TESTED BY:** J. TOUCHETTE | **REVIEWED BY:** N. MELTZER |

| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-101** | 09/29/10 | M0.01 | 6.0 RT | 0.0 – 0.55 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.55 – 1.7 | A | Gr Sa, brn, moist | 5.0 | A-1-a | Sa Gr | 62.3 | 30.3 | 7.4 | | |
| | | | | 1.6 – 5.0 | A | Si Sa, brn, moist | 11.7 | A-2-4 | Si Sa | 11.3 | 57.7 | 30.9 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-102** | 09/29/10 | M0.2 | 6.0 LT | 0.0 – 0.70 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.70 – 1.7 | A | Gr Si Sa, brn, moist | 6.7 | A-1-a | Sa Gr | 62.0 | 28.5 | 9.5 | | |
| | | | | 1.7 – 5.0 | A | Si Sa, brn, moist | 11.1 | A-4 | Gr Si Sa | 20.1 | 43.2 | 36.6 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-103** | 09/29/10 | M0.4 | 6.0 RT | 0.0 – 0.7 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.7 – 1.7 | A | Gr Sa, brn, moist | 7.5 | A-1-a | Sa Gr | 50.9 | 34.7 | 14.3 | | |
| | | | | 1.7 – 5.0 | A | Si Sa, brn, moist | 13.0 | A-2-4 | Gr Sa | 22.3 | 60.0 | 17.7 | | |
| | | | | NLTD | | *Driller noted easy drilling from 3'-5' | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |



| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-104** | 09/29/10 | M0.6 | 6.5 LT | 0.0 – 0.75 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.75 – 2.1 | A | Gr Sa, brn, moist | 8.3 | A-1-b | Sa Gr | 52.2 | 33.6 | 14.1 | | |
| | | | | 2.1 – 5.0 | A | Si Sa, brn, moist | 15.4 | A-2-4 | Gr Si Sa | 28.6 | 42.5 | 28.9 | | |
| | | | | NLTD | | *Driller noted easy drilling from 4'-5' | | | | | | | | |
| **B-105** | 09/29/10 | M0.8 | 5.5 RT | 0.0 – 0.8 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.7 – 1.5 | A | Gr Sa, brn, moist | 11.4 | A-1-b | Sa Gr | 49.2 | 33.9 | 16.9 | | |
| | | | | 1.5 – 5.0 | A | Si Sa, brn, moist | 18.5 | A-2-4 | Gr Si Sa | 26.5 | 41.5 | 32.0 | | |
| | | | | NLTD | | *Driller noted easy drilling | | | | | | | | |
| **B-106** | 10/8/10 | M1.0 | 7.5 LT | 0.0 – 0.85 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.85 – 1.7 | A | Gr Sa, brn, moist | 6.3 | A-1-a | Sa Gr | 59.7 | 29.0 | 11.2 | | |
| | | | | 1.7 – 5.0 | A | Sa Si, brn, moist | 23.2 | A-4 | Gr Sa Si | 23.7 | 35.6 | 40.7 | | |
| | | | | NLTD | | *Driller noted very soft from 2'-5' | | | | | | | | |
| **B-107** | 10/8/10 | M1.2 | 6.5 RT | 0.0 – 1.2 | C | Asphalt Pavement | | | | | | | | |
| | | | | 1.2 – 2.2 | A | Gr Sa, brn, moist | 8.7 | A-1-a | Sa Gr | 53.5 | 36.3 | 10.2 | | |
| | | | | 2.2 – 5.0 | A | Sa Si, brn, moist | 23.3 | A-2-4 | Si Gr Sa | 31.3 | 39.4 | 29.2 | | |
| | | | | NLTD | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |





| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-108** | 10/8/10 | M1.4 | 6.0 LT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 1.6 | A | Gr Sa, brn, moist | 5.6 | A-1-a | Sa Gr | 57.0 | 31.7 | 11.3 | | |
| | | | | 1.6 – 5.0 | A | Sa Si, brn, moist | 18.9 | A-4 | Sa Si | 12.0 | 35.0 | 53.0 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-109** | 10/12/10 | M1.6 | 6.0 RT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 2.1 | A | Gr Sa Si, brn, moist | 5.2 | A-1-b | Gr Sa | 38.3 | 42.7 | 19.0 | | |
| | | | | 2.1 – 5.0 | A | Sa Si, brn, moist | 3.4 | A-2-4 | Gr Si Sa | 22.6 | 51.6 | 25.8 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-110** | 10/12/10 | M1.8 | 5.0 LT | 0.0 – 0.4 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.4 – 3.5 | A | Si Sa Gr, brn, moist | 4.4 | A-1-b | Sa Gr | 47.8 | 34.1 | 18.1 | | |
| | | | | 3.5 – 5.0 | A | Sa Si, brn, moist | 9.4 | A-2-4 | Si Gr Sa | 30.9 | 45.2 | 23.9 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-111** | 10/12/10 | M2.0 | 6.5 RT | 0.0 – 0.7 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.7 – 3.0 | A | Si Gr Sa, brn, moist | 5.8 | A-1-b | Si Sa Gr | 38.4 | 38.1 | 23.5 | | |
| | | | | 3.0 – 5.0 | A | Sa Si, dk brn, moist | 19.6 | A-2-4 | Gr Si Sa | 20.9 | 56.8 | 22.3 | | |
| | | | | NLTD | | *Water at bottom of hole | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |



| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-112** | 10/12/10 | M2.2 | 6.0 LT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 - 3.5 | A | Si Gr, brn, moist | 5.7 | A-1-a | Sa Gr | 67.3 | 28.3 | 4.4 | | |
| | | | | 3.5 – 5.0 | A | Sa Si, brn, moist | 9.8 | A-2-4 | Gr Sa Si | 26.1 | 47.7 | 26.2 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-113** | 10/12/10 | M2.4 | 6.0 RT | 0.0 – 0.65 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.65 – 1.5 | A | Si Sa Gr, brn, moist | 5.8 | A-1-b | Sa Gr | 49.7 | 34.7 | 15.5 | | |
| | | | | 1.5 – 5.0 | A | Si Sa, brn, moist | 6.9 | A-2-4 | Si Sa | 16.4 | 58.4 | 25.2 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-114** | 10/12/10 | M2.6 | 6.0 LT | 0.0 – 0.55 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.55 – 2.0 | A | Si Sa Gr, brn, moist | 4.8 | A-1-b | Sa Gr | 49.2 | 32.6 | 18.2 | | |
| | | | | 2.0 – 4.0 | A | Si Sa, brn, moist | 9.4 | A-2-4 | Si Gr Sa | 28.6 | 49.6 | 21.8 | | |
| | | | | 4.0 – 5.0 | A | Sa Si, brn, moist | 14.5 | A-2-4 | Si Sa | 15.4 | 52.1 | 32.5 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-115** | 10/12/10 | M2.8 | 7.0 RT | 0.0 – 0.35 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.35 – 1.5 | A | Gr, brn, moist | 9.2 | Visual Identification, crushed aggregate (asphalt pavement) with gravel | | | | | | |
| | | | | 1.5 – 3.0 | A | Sa Si, brn, moist | 6.3 | A-2-4 | Si Gr Sa | 27.8 | 48.8 | 23.4 | | |
| | | | | 3.0 – 5.0 | A | Sa Si, dk brn, moist | 16.4 | A-2-4 | Gr Si Sa | 23.1 | 48.6 | 28.3 | | |
| | | | | NLTD | | *Driller noted very soft from 3'-5' | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |

NOTE: SEE PROJECT LAYOUT SHEETS FOR THE LOCATION OF BORE HOLES

**BORING AND CORING SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_113.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 113 OF 178

| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-116** | 10/12/10 | M3.0 | 4.5 LT | 0.0 – 0.25 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.25 – 1.0 | A | Si Gr Sa, brn, moist | 5.2 | A-1-a | Sa Gr | 53.6 | 40.5 | 5.9 | | |
| | | | | 1.0 – 5.0 | A | Gr Sa Si, brn, moist | 12.6 | A-4 | Si Sa | 18.7 | 44.8 | 36.5 | | |
| | | | | NLTD | | *Driller noted material very soft 2'-5' | | | | | | | | |
| **B-117** | 10/12/10 | M3.2 | 6.0 RT | 0.0 – 0.25 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.25 – 1.5 | A | Gr, brn, moist | 6.0 | A-1-a | Sa Gr | 70.8 | 23.7 | 5.5 | | |
| | | | | 1.5 – 3.0 | A | Si Sa, brn, moist | 6.8 | A-2-4 | Gr Si Sa | 27.4 | 43.9 | 28.8 | | |
| | | | | 3.0 – 5.0 | A | Si, dk brn, moist | 16.1 | A-2-4 | Si Sa | 19.8 | 49.7 | 30.6 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-118** | 10/12/10 | M3.4 | 4.5 LT | 0.0 – 0.25 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.25 – 1.0 | A | Gr, brn, moist | 6.8 | Visual Identification: Sa Gr w/ Asphalt Pavement | | | | | | |
| | | | | 1.0 – 5.0 | A | Si Sa, brn, moist | 12.6 | A-2-4 | Si Sa | 18.9 | 47.5 | 33.6 | | |
| | | | | TLOB | A | * Diller noted soft material from 3'-5' | | | | | | | | |
| **B-119** | 10/13/10 | M3.6 | 7.0 RT | 0.0 – 0.75 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.75 – 1.2 | A | Si Sa Gr, brn, moist | 7.1 | A-1-a | Sa Gr | 57.6 | 29.2 | 13.2 | | |
| | | | | 1.2 – 5.0 | A | Si Sa, brn, moist | 9.3 | A-2-4 | Gr Sa | 21.7 | 58.6 | 19.8 | | |
| | | | | NLTD | | | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |



| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE COLOR MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-120** | 10/13/10 | M3.8 | 4.5 LT | 0.0 – 0.6 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.6 – 1.5 | A | Si Gr Sa, brn, moist | 6.6 | A-1-b | Gr Sa | 38.7 | 46.9 | 14.4 | | |
| | | | | 1.5 – 5.0 | A | Si Sa, brn, moist | 3.7 | A-2-4 | Si Gr Sa | 28.8 | 44.6 | 26.6 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-121** | 10/13/10 | W0.2 | 5.5 RT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 1.5 | A | Si Sa, brn, moist | 13.3 | A-4 | Si Sa | 14.3 | 45.3 | 40.5 | | |
| | | | | 1.5 – 5.0 | A | Sa Si, brn, moist | 5.2 | A-1-b | Gr Sa | 30.7 | 51.0 | 18.3 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-122** | 10/13/10 | W0.4 | 5.0 LT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 1.0 | A | Si Gr Sa, brn, moist | 9.5 | A-1-b | Sa Gr | 49.1 | 38.7 | 12.3 | | |
| | | | | 1.0 – 5.0 | A | Si Sa, brn, moist | 8.1 | A-2-4 | Si Gr Sa | 22.3 | 57.3 | 20.4 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-123** | 10/13/10 | W0.6 | 6.5 RT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 1.2 | A | Si Gr Sa, brn, moist | 5.8 | A-1-b | Gr Sa | 41.6 | 44.7 | 13.7 | | |
| | | | | 1.2 – 5.0 | A | Si Sa, brn, moist | 10.4 | A-2-4 | Si Gr Sa | 26.9 | 49.3 | 23.8 | | |
| | | | | NLTD | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |



| 7.7BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-124** | 10/13/10 | W0.8 | 5.5 LT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 1.5 | A | Si Gr Sa, brn, moist | 6.4 | A-1-b | Gr Sa | 41.1 | 45.0 | 13.9 | | |
| | | | | 1.5 – 5.0 | A | Sa Si, brn, moist | 6.9 | A-1-b | Si Gr Sa | 28.3 | 47.7 | 24.0 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-125** | 10/13/10 | W1.0 | 6.0 RT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 1.2 | A | Si Gr Sa, brn, moist | 6.4 | A-1-b | Gr Sa | 41.1 | 45.0 | 13.9 | | |
| | | | | 1.2 – 3.0 | A | Si Gr Sa, brn, moist | 6.9 | A-1-b | Si Gr Sa | 28.3 | 47.7 | 24.0 | | |
| | | | | 3.0 – 5.0 | A | Sa Si, dk brn, moist | 14.5 | A-1-b | Gr Sa | 36.6 | 45.0 | 18.3 | | |
| | | | | NLTD | | *Driller reported track of soft material in sample 3'-5' | | | | | | | | |
| **B-126** | 10/13/10 | W1.2 | 5.0 LT | 0.0 – 0.35 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.35 – 1.2 | A | Gr Sa, brn, moist | 5.4 | A-1-b | Sa Gr | 48.6 | 40.4 | 11.0 | | |
| | | | | 1.2 – 5.0 | A | Sa Si, brn, moist | 5.6 | A-2-4 | Si Gr Sa | 33.1 | 45.5 | 21.4 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-127** | 10/13/10 | W1.4 | 6.5 RT | 0.0 – 0.4 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.4 – 1.4 | A | Si Gr Sa, brn, moist | 4.5 | A-1-b | Gr Sa | 38.7 | 42.1 | 19.2 | | |
| | | | | 1.4 – 5.0 | A | Gr Si Sa, brn, moist | 5.9 | A-2-4 | Si Gr Sa | 32.7 | 37.8 | 29.5 | | |
| | | | | NLTD | | | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |



| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-128** | 10/13/10 | W1.6 | 4.5 LT | 0.0 – 0.3 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.3 – 1.4 | A | Si Gr Sa, brn, moist | 3.8 | A-1-b | Gr Sa | 34.0 | 49.9 | 16.1 | | |
| | | | | 1.4 – 5.0 | A | Si Sa, brn, moist | 3.3 | A-2-4 | Si Gr Sa | 33.3 | 39.4 | 27.4 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-129** | 10/18/10 | W1.8 | 5.5 RT | 0.0 – 0.3 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.3 – 1.4 | A | Gr, brn, moist | 7.7 | A-1-a | Sa Gr | 68.0 | 24.2 | 7.7 | | |
| | | | | 1.4 – 5.0 | A | Sa Si, brn, moist | 10.5 | A-2-4 | Gr Si Sa | 22.2 | 52.0 | 25.7 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-130** | 10/18/10 | W2.0 | 6.0 LT | 0.0 – 0.45 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.45 – 1.2 | A | Si Gr Sa, brn, moist | 8.7 | A-1-a | Sa Gr | 54.8 | 36.0 | 9.2 | | |
| | | | | 1.2 – 5.0 | A | Si Sa, brn, moist | 11.6 | A-2-4 | Si Gr Sa | 28.2 | 51.4 | 20.4 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-131** | 10/18/10 | W2.2 | 6.0 RT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 0.9 | A | Si Sa Gr, brn, moist | 8.6 | A-1-a | Sa Gr | 72.8 | 21.1 | 6.1 | | |
| | | | | 0.9 – 5.0 | A | Si Sa, brn, wet | 5.1 | A-2-4 | Si Gr Sa | 31.0 | 46.4 | 22.6 | | |
| | | | | NLTD | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Cont. | | | | | | | | | | | | | | |

NOTE: SEE PROJECT LAYOUT SHEETS FOR THE LOCATION OF BORE HOLES

**BORING AND CORING SHEET 2**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_114.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 114 OF 178

| BORING No. | DATE DRILLED | MILE MARKER | OFFSET (FT) | DEPTH (FT) | SAMPLE TYPE | FIELD DESCRIPTION | LABORATORY RESULTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SOIL TYPE, COLOR, MOISTURE | % MOISTURE | AASHTO CLASS. | SOIL DES. | % GRAVEL | % SAND | % FINES | LIQUID LIMIT | PLASTIC LIMIT |
| **B-132** | 10/18/10 | W2.4 | 5.0 LT | 0.0 – 0.5 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.5 – 2.0 | A | Gr, brn, moist | 4.8 | A-1-a | Sa Gr | 64.0 | 30.9 | 5.0 | | |
| | | | | 2.0 – 5.0 | A | Si Sa, brn, moist | 13.5 | A-2-4 | Gr Si Sa | 26.4 | 45.1 | 28.6 | | |
| | | | | NLTD | | | | | | | | | | |
| **B-133** | 10/18/10 | W2.6 | 6.0 RT | 0.0 – 0.4 | C | Asphalt Pavement | | | | | | | | |
| | | | | 0.4 – 1.2 | A | Sa, brn, moist | 4.5 | A-1-b | Gr Sa | 36.9 | 49.0 | 14.1 | | |
| | | | | 1.2 – 3.5 | A | Si Sa, brn, moist | 17.2 | A-2-4 | Si Sa | 9.8 | 56.9 | 33.2 | | |
| | | | | 3.5 – 5.0 | A | Si organic, brn, moist | 36.8 | A-2-4 | Si Gr Sa | 28.6 | 44.2 | 27.2 | | |
| | | | | NLTD | | *Lab note: sticks and decayed wood within sample, possible organics | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| **Standard Abbreviations and Notes** | | | | | | | | | | | | | | |
| SAMPLE TYPE "A" = Auger | | | | | | | | | | | | | | |
| SAMPLE TYPE "SS" = Split Spoon | | | | | | | | | | | | | | |
| SAMPLE TYPE "C" = Core Sample | | | | | | | | | | | | | | |
| NLTD = No Ledge To Depth | | | | | | | | | | | | | | |
| CNPF = Could Not Penetrate Further | | | | | | | | | | | | | | |
| TLOB = To Ledge or Boulder | | | | | | | | | | | | | | |

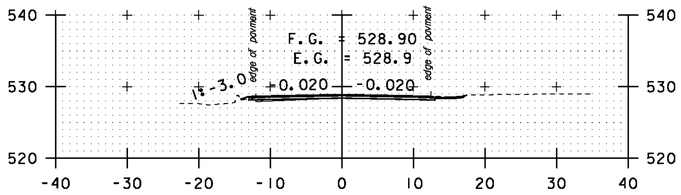
NOTE: SEE PROJECT LAYOUT SHEETS FOR THE LOCATION OF BORE HOLES

**BORING AND CORING SHEET 3**

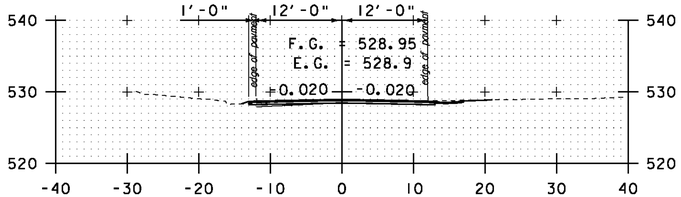
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_115.1

PLOT DATE: 9/5/12
DRAWN BY: JMB
CHECKED BY: CDL
SHEET 115 OF 178

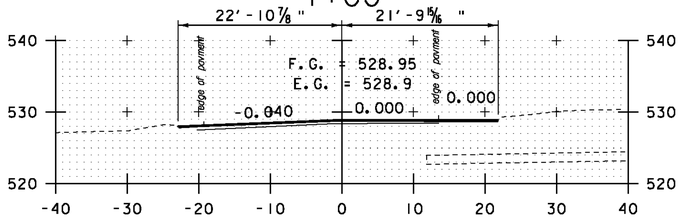



1+50

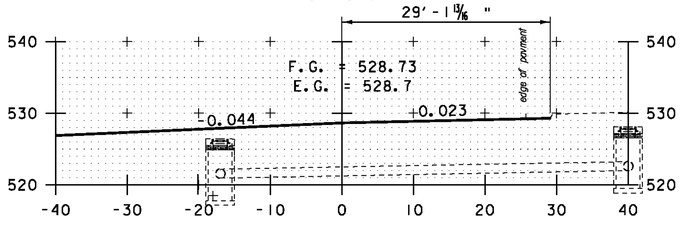



DRIVE RT

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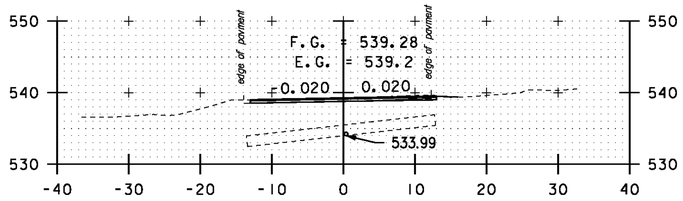



0+50



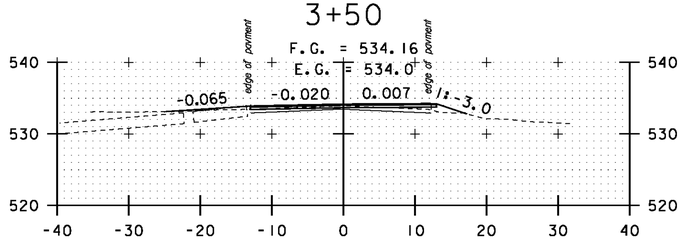

MATCH EXISTING
0+20

BEGIN PROJECT



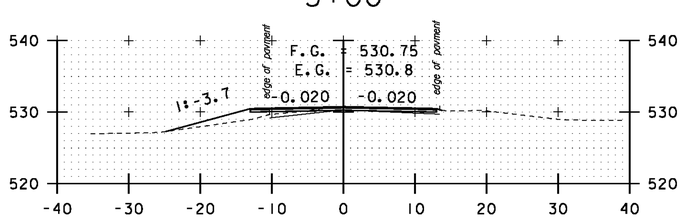

DRIVE RT

3+50



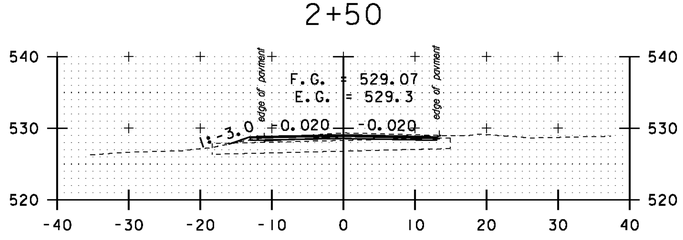

DRIVE LT

3+00

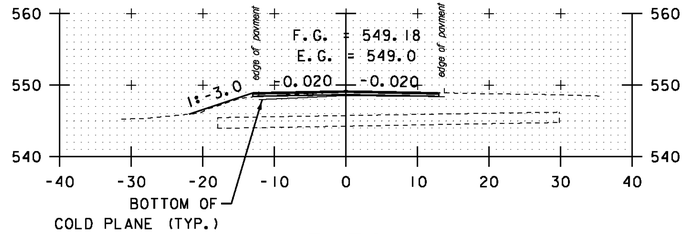



DRIVE LT

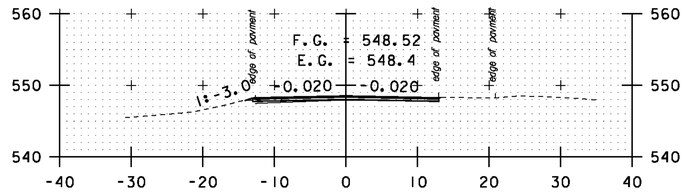
2+50



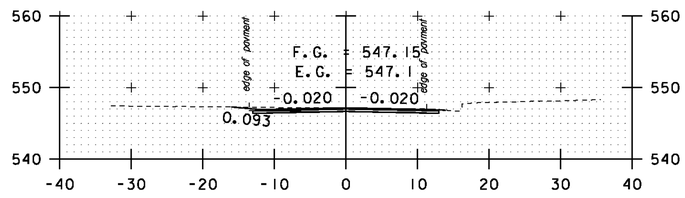

2+00




5+50



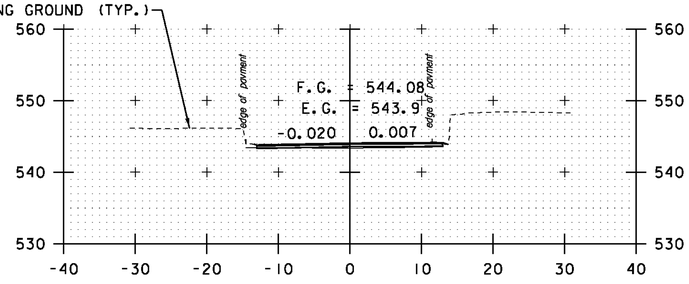

5+00




DRIVE LT

4+50

EXISTING GROUND (TYP.)




4+00

STA. 0+20 TO STA. 5+50

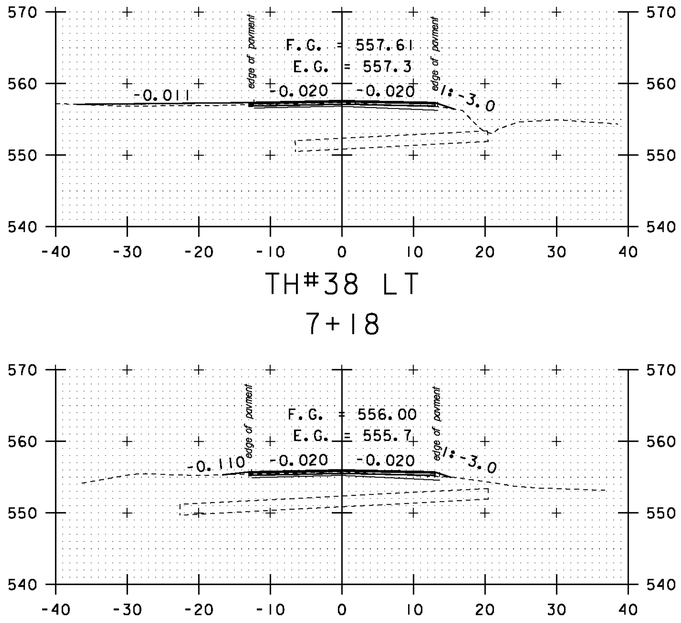
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 1**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_116A.I

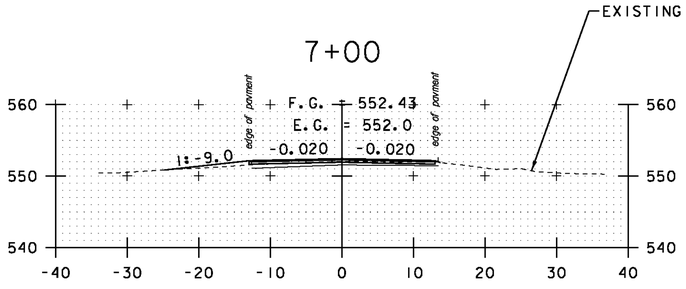
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 116A OF 178



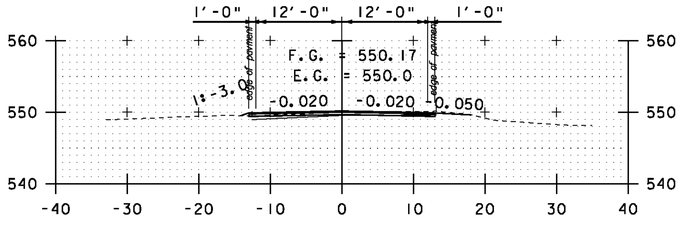

TH#38 LT
7+18



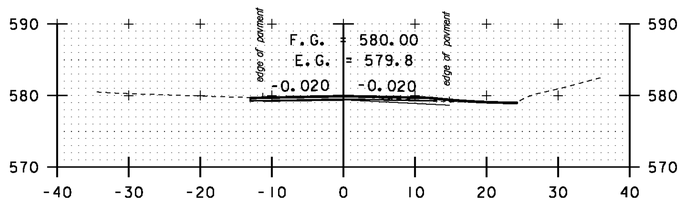

7+00



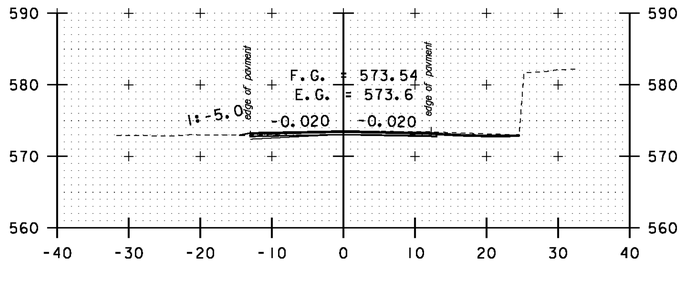

DRIVE LT
6+50



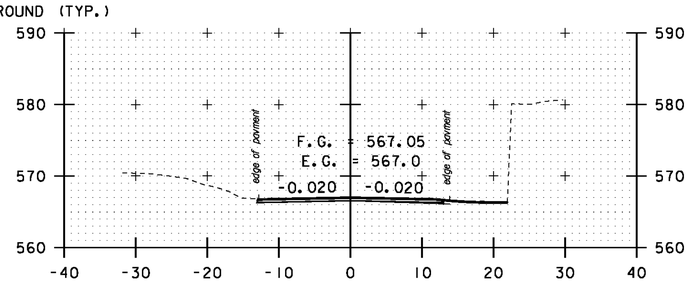

6+00



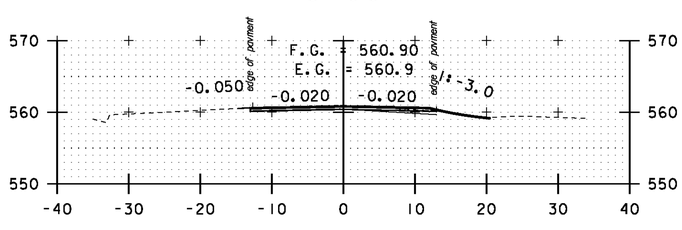

9+00



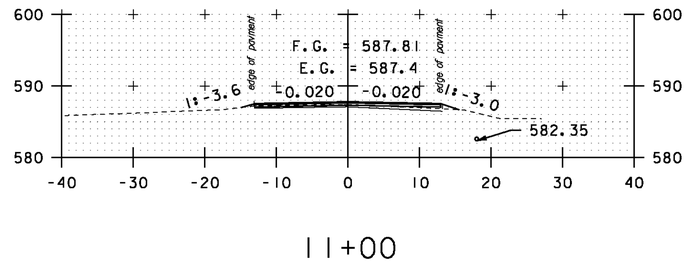

8+50



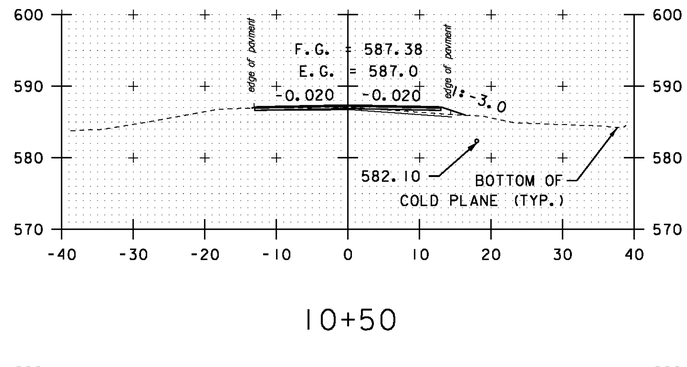

8+00



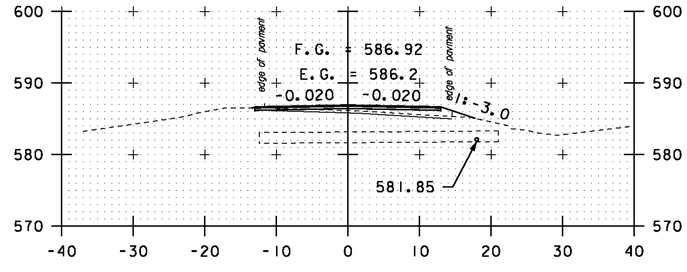

7+50



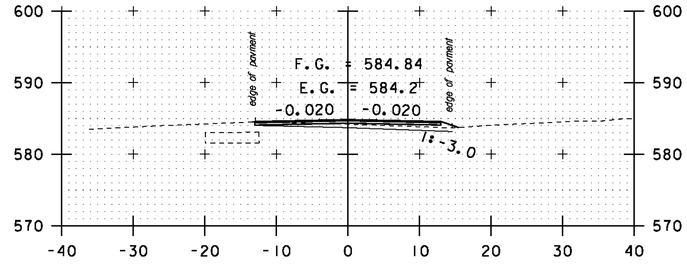

11+00




10+50




10+00




9+50

STA. 6+00 TO STA. 11+00

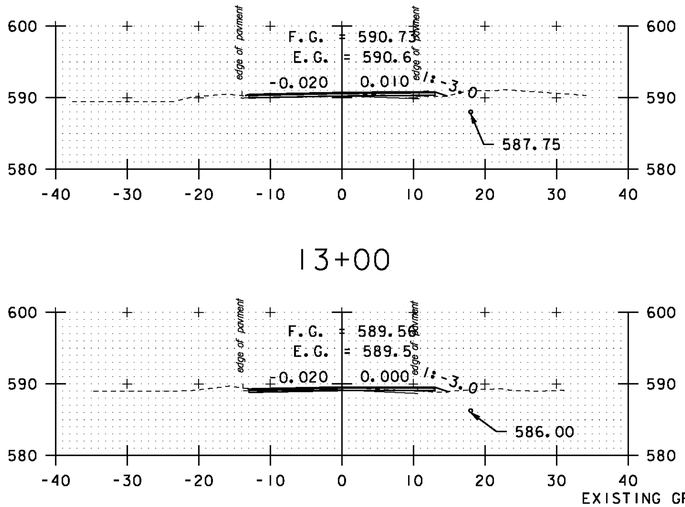
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 2**

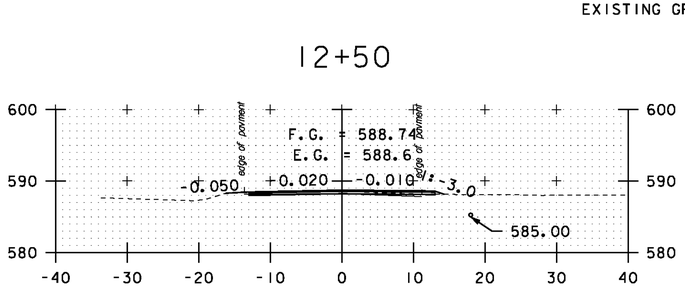
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_116B.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 116B OF 178



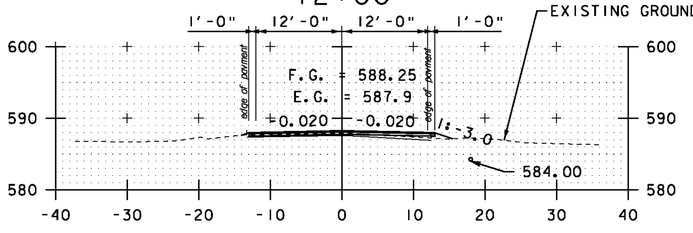

13+00



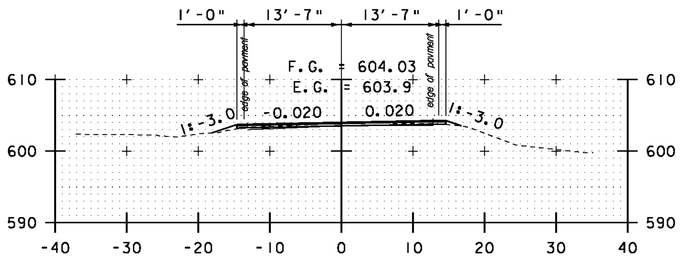

12+50



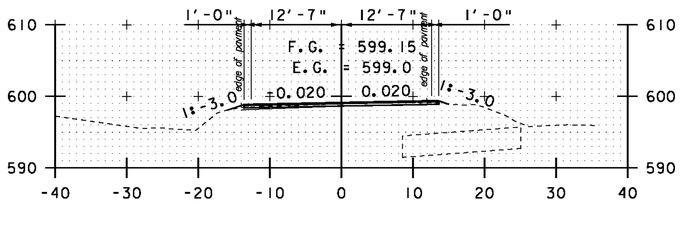

DRIVE RT
12+00



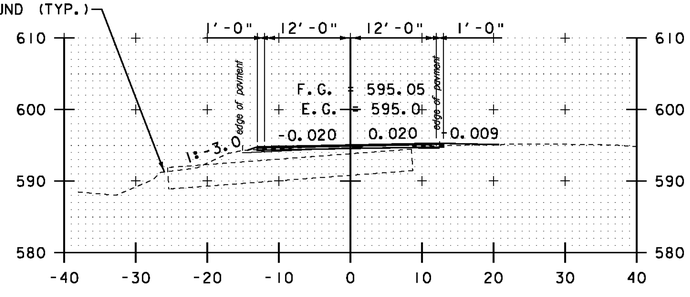

11+50



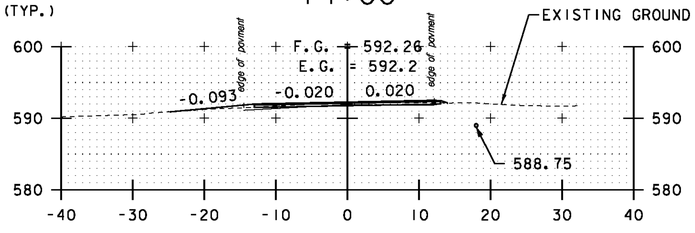

15+00



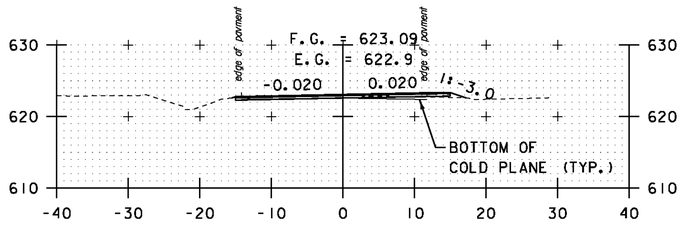

14+50



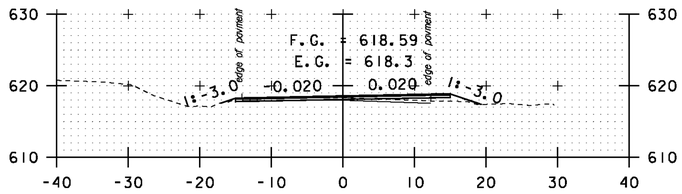

DRIVE RT
14+00



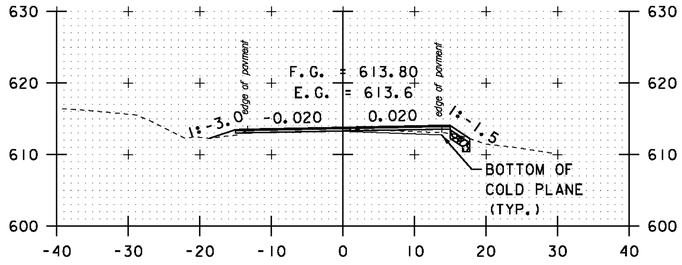

DRIVE LT
13+50



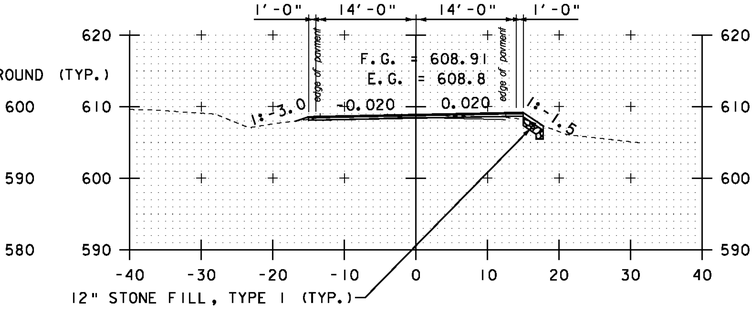

17+00




16+50




16+00




15+50

STA. 11+50 TO STA. 17+00

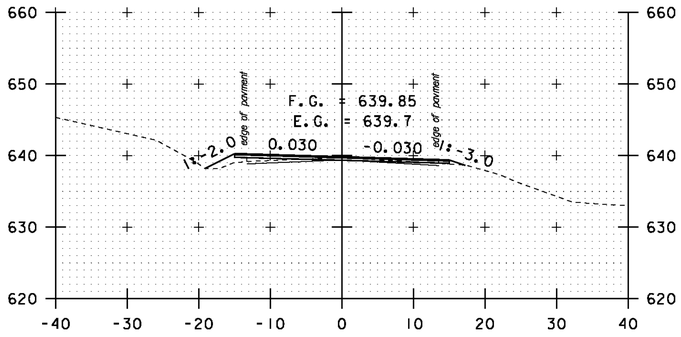
SCALE 1" = 10'-0

**CROSS SECTION SHEET 3**

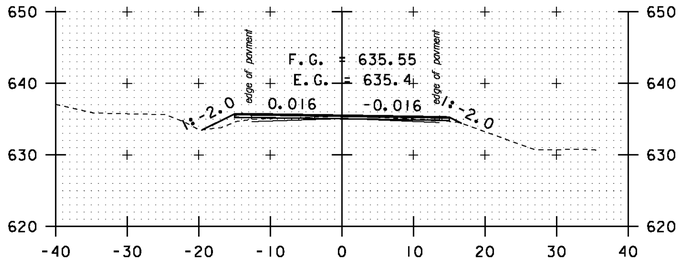
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_117.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 117 OF 178

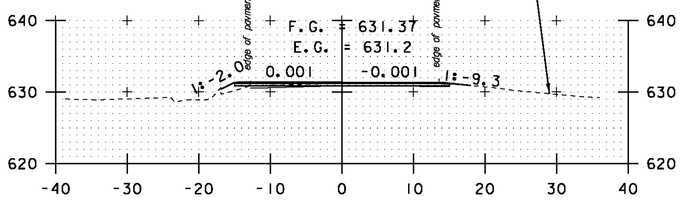



19+00



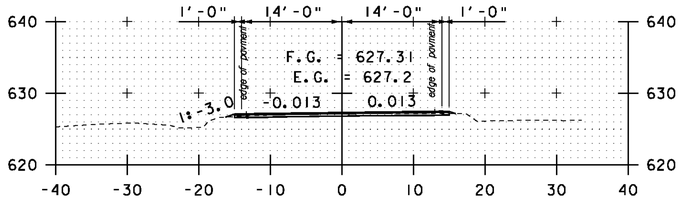

EXISTING GROUND (TYP.)

18+50

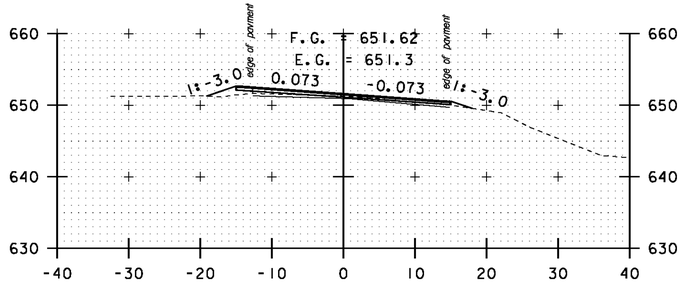



DRIVE RT

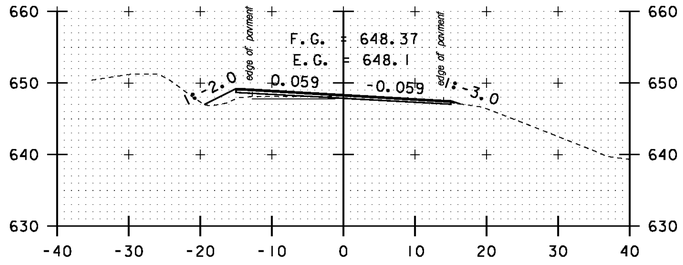
18+00



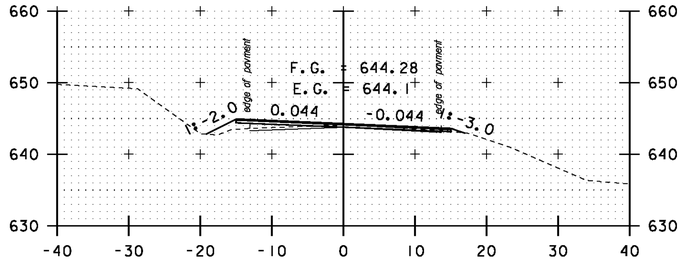

17+50



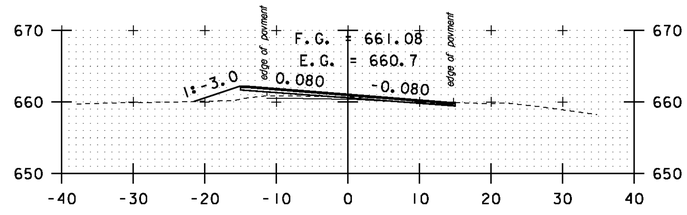

20+50



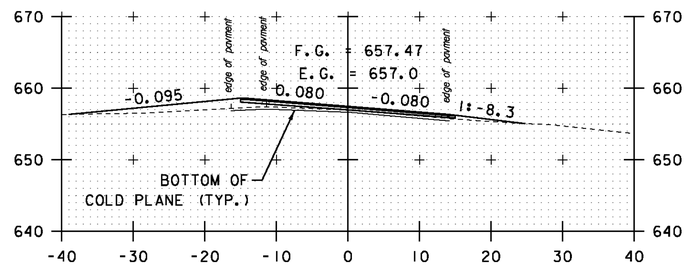

20+00




19+50

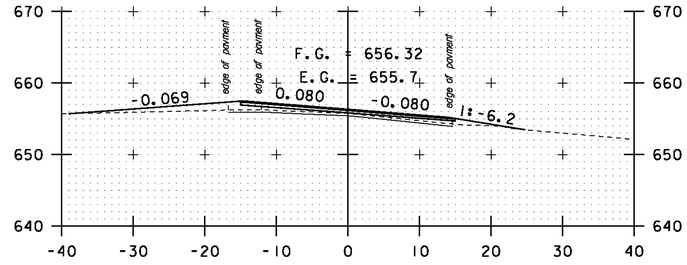



22+00



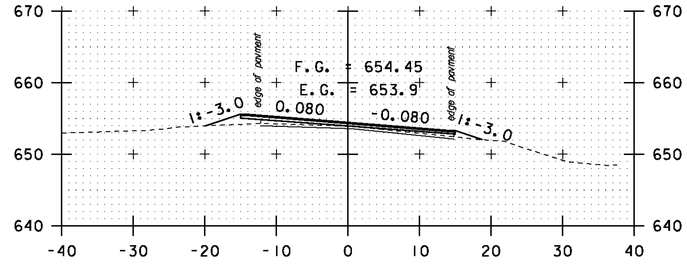

TH #14 LT/ DRIVE RT

21+50




TH #14 LT/ DRIVE RT

21+32




21+00

STA. 17+50 TO STA. 22+00

SCALE 1" = 10'-0

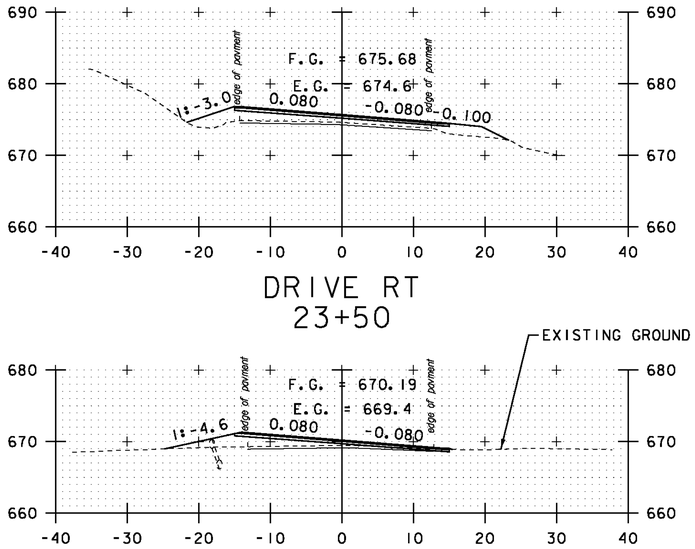
10 0 10

**CROSS SECTION SHEET 4**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_118.1

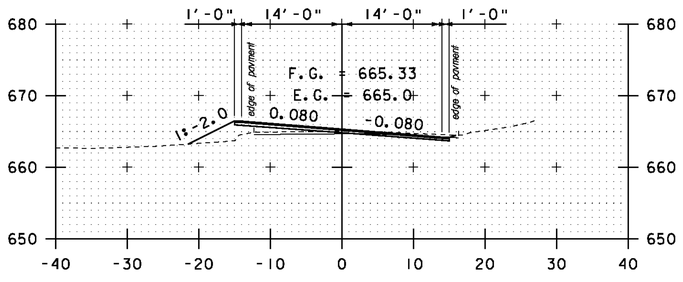
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL



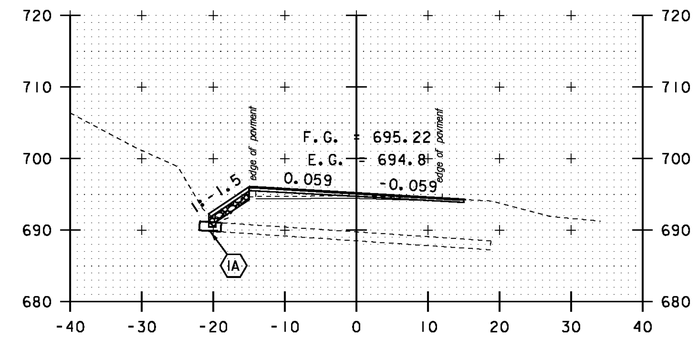

DRIVE RT
23+50




DRIVE LT
23+00

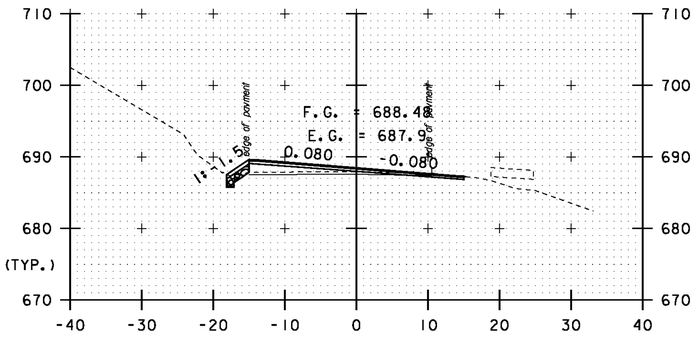



22+50

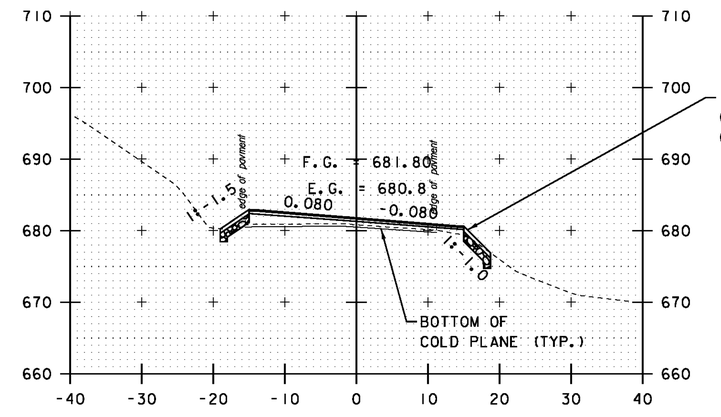



IA STA. 24+90.18 LT 18.71' TO
STA. 24+91.27 LT 21.50'
EXTEND 15" CMP (3'-0")
PROPOSED INV. IN = 689.97'
EXISTING INV. IN = 689.77'

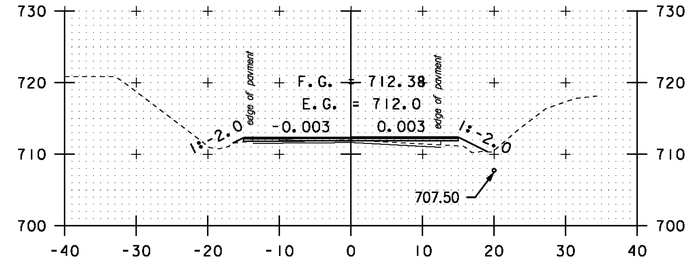
25+00



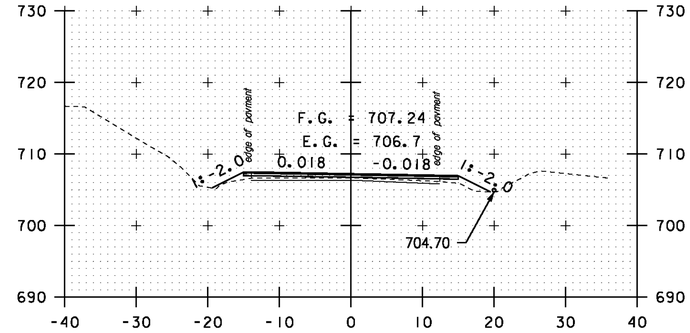

24+50



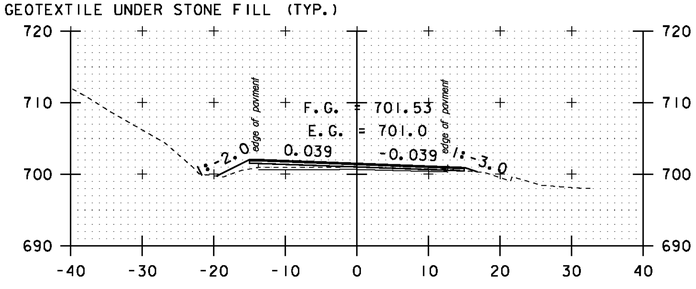

24+00




26+50




26+00




25+50

STA. 22+50 TO STA. 26+50

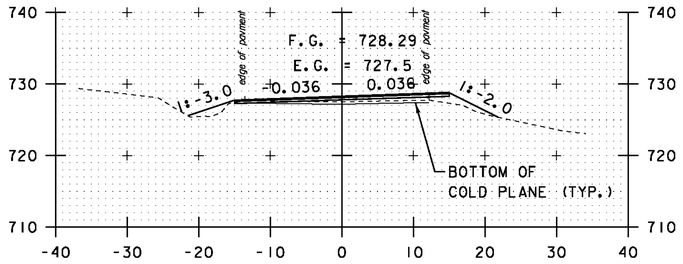
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 5**

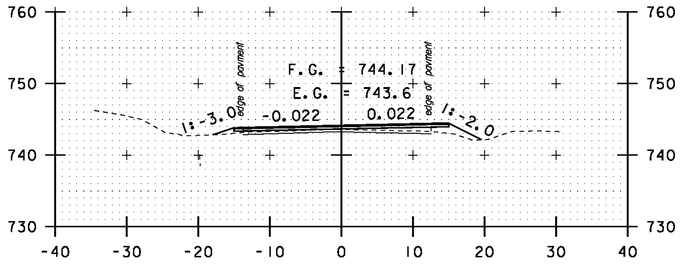
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_119.1

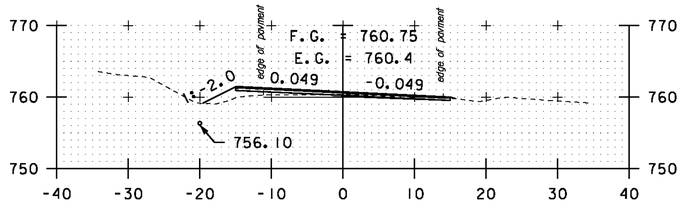
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 119 OF 178



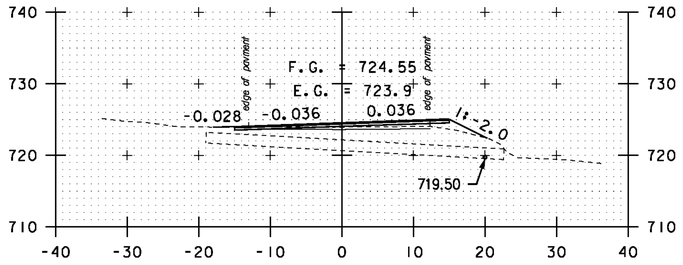

28+50



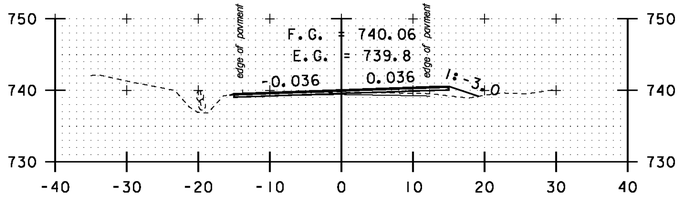

30+50



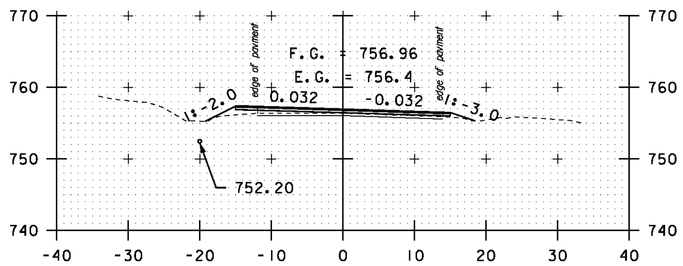

32+50



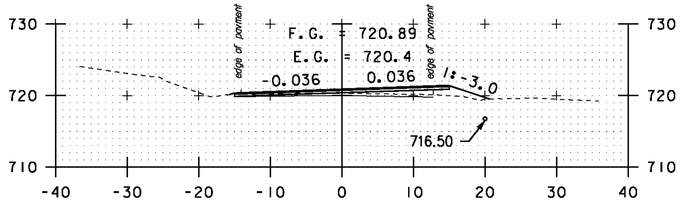

DRIVE LT
28+00



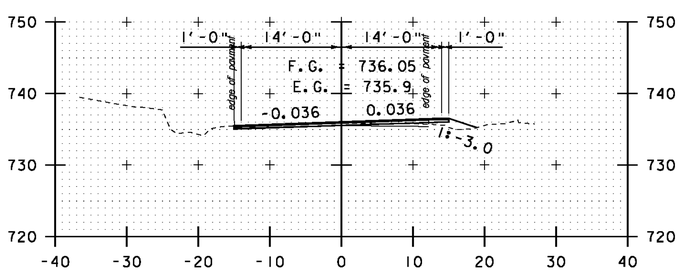

30+00



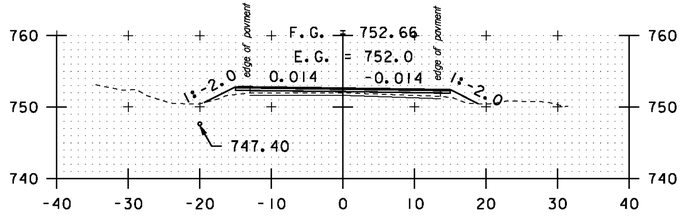

32+00



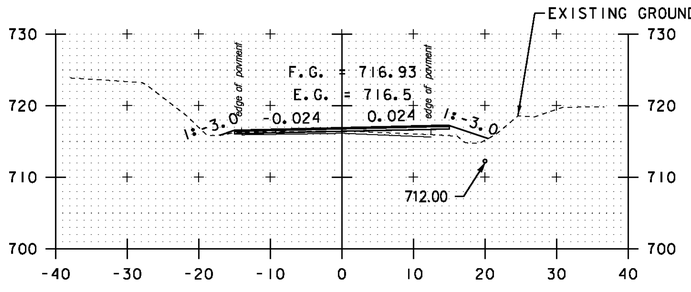

27+50



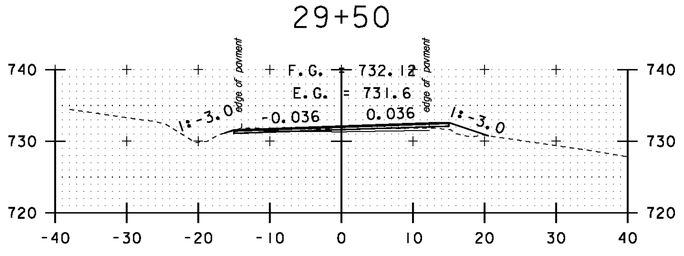

29+00



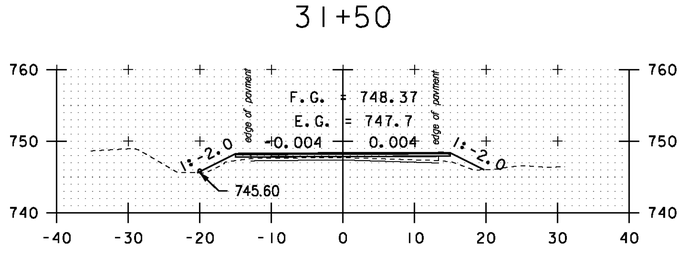

31+00




27+00




29+50




31+50

STA. 27+00 TO STA. 32+50

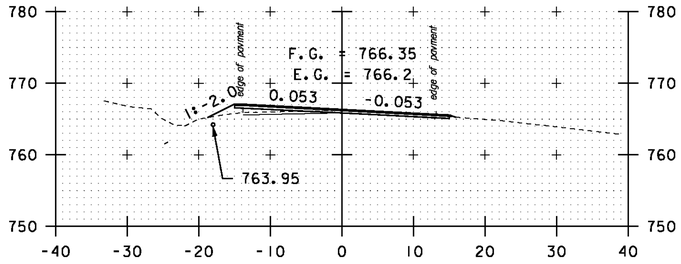
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 6**

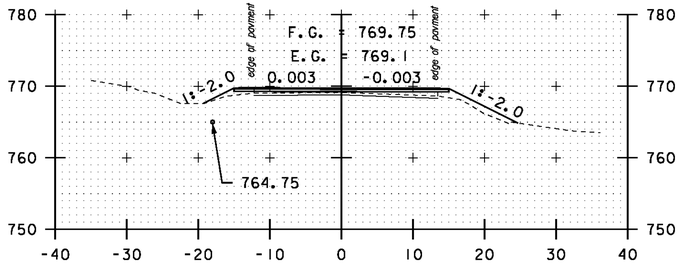
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_120.1

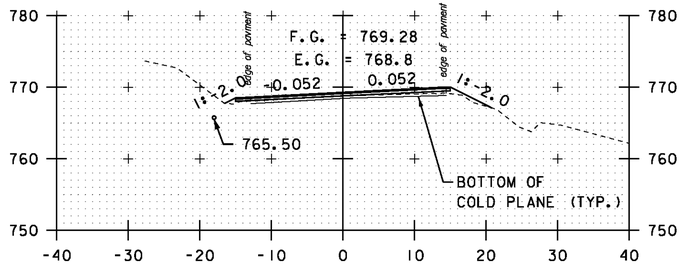
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 120 OF 178



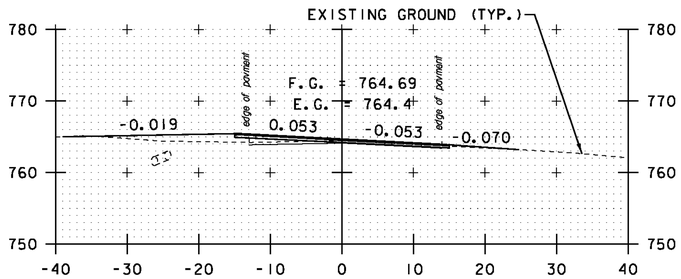

33+50



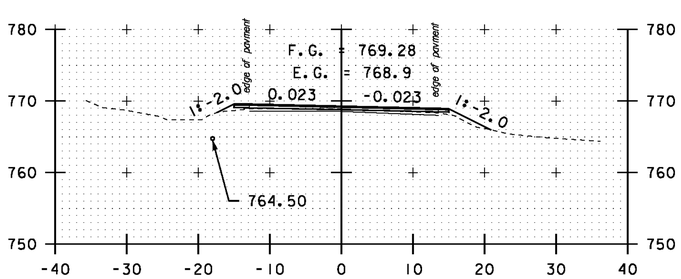

35+00



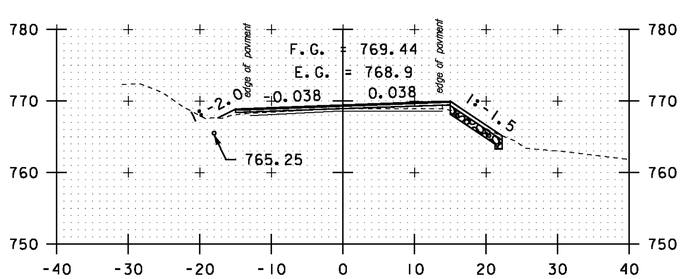

36+50



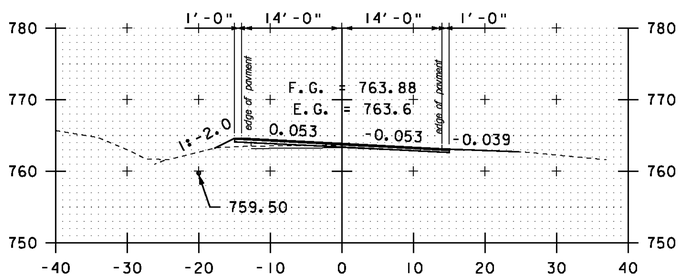

TH #5 LT/ DRIVE RT
33+15



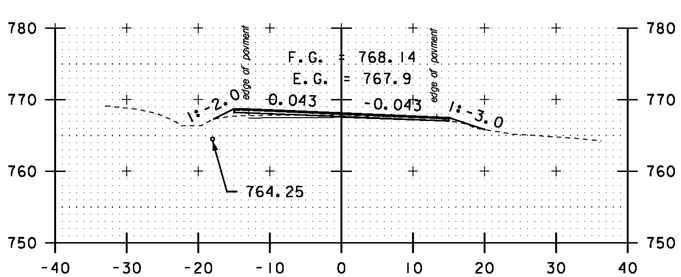

34+50



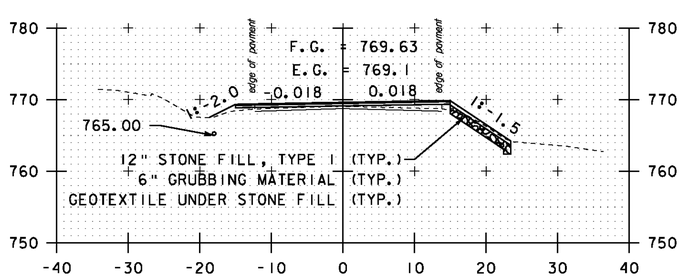

36+00




DRIVE RT
33+00




34+00




35+50

STA. 33+00 TO STA. 36+50

SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 7**

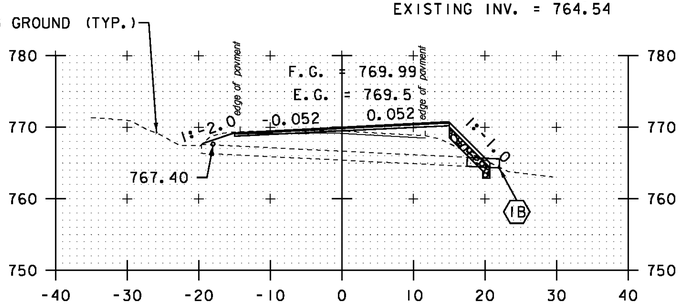
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_121.1

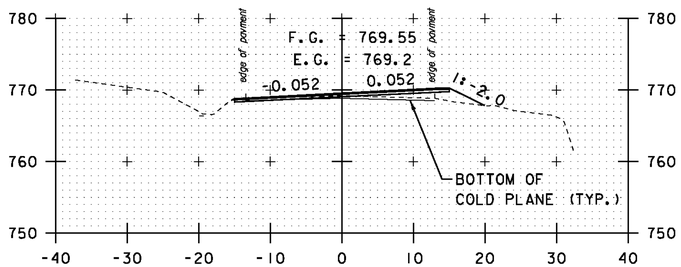
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 121 OF 178

(1B) STA. 37+95.28 RT 17.48' TO
STA. 37+95.40 RT 21.98'
EXTEND 15" CMP (4'-6")
PROPOSED INV. = 764.32
EXISTING INV. = 764.54

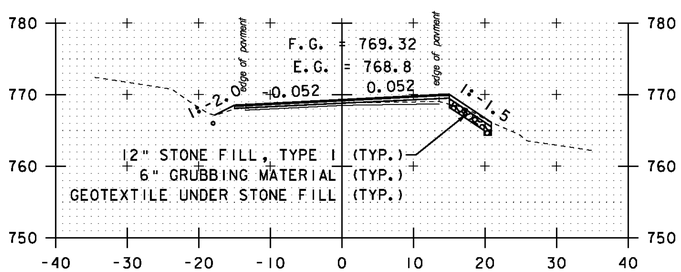
EXISTING GROUND (TYP.)



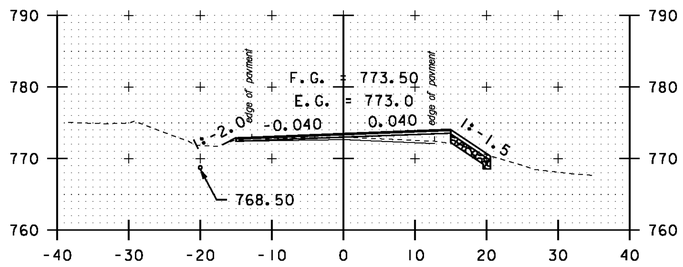

38+00



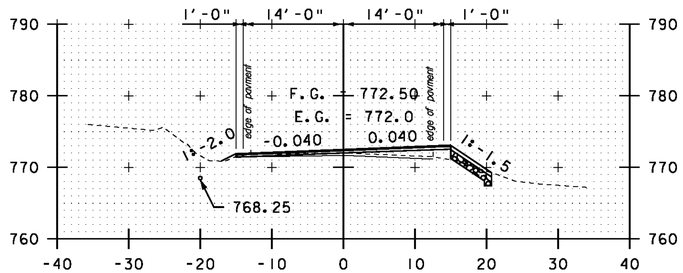

37+50



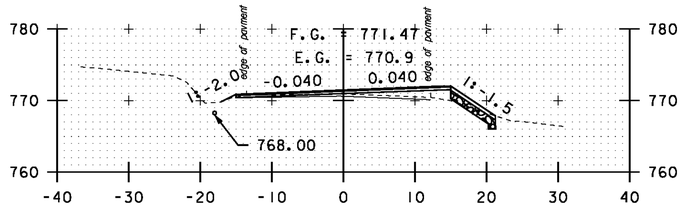

37+00



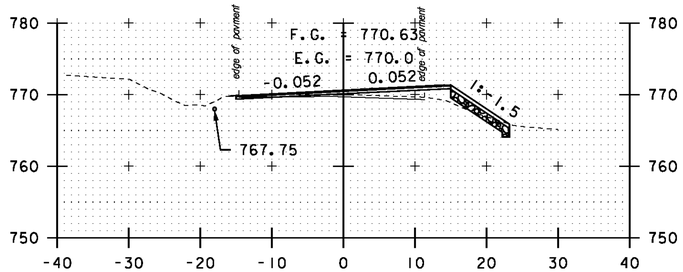

40+00



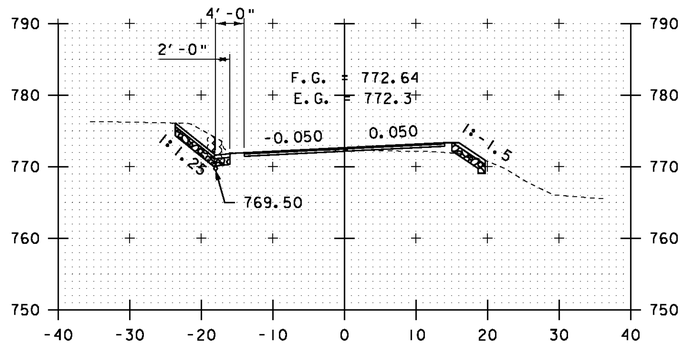

39+50



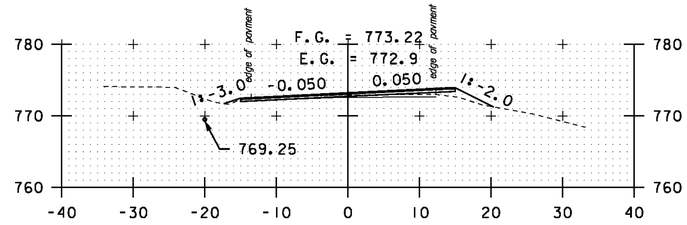

39+00



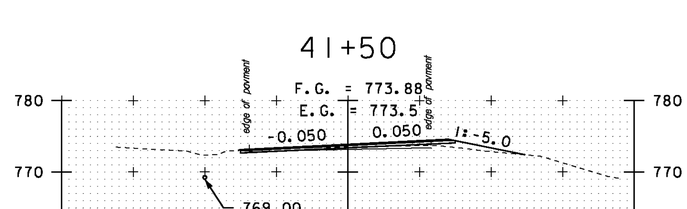

38+50



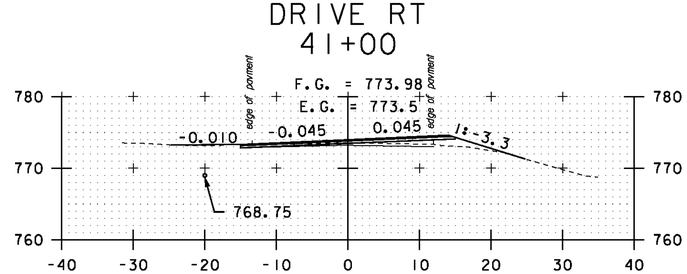

42+00




41+50




DRIVE RT
41+00




DRIVE LT/ DRIVE RT
40+50

STA. 37+00 TO STA. 42+00

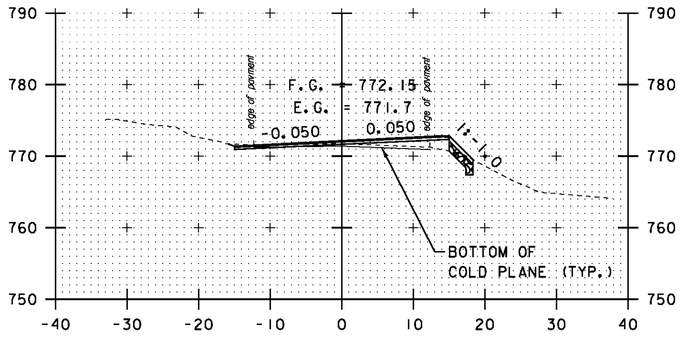
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 8**

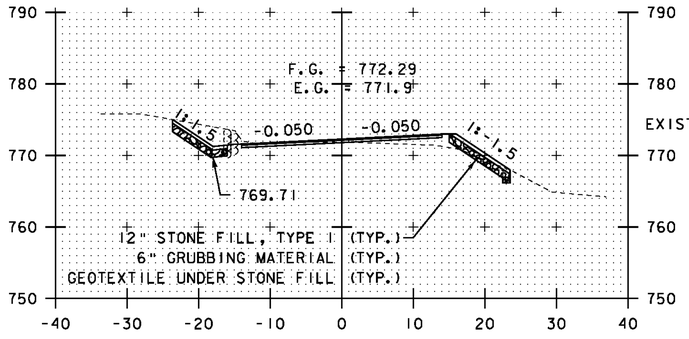
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_122.1

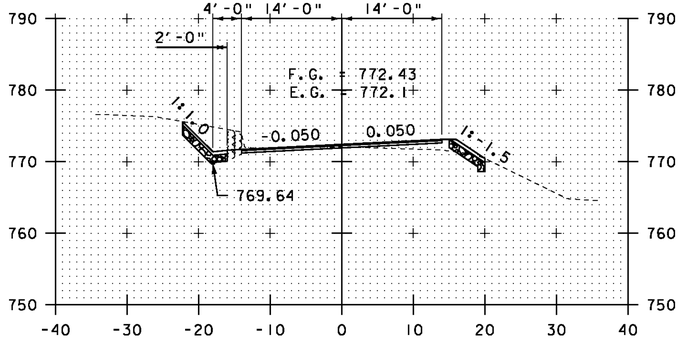
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 122 OF 178




42+50

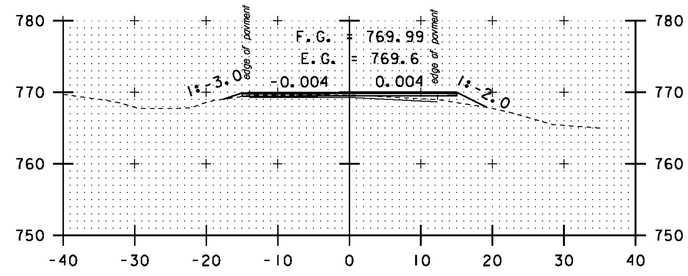



42+39



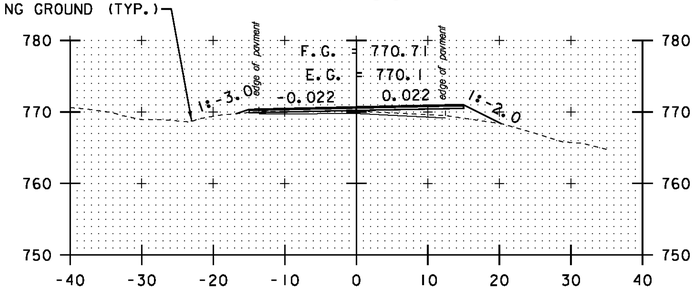

42+25

6' x 6' BOX CULVERT WILL BE INSTALLED BY VTRANS MAINTENANCE DISTRICT PRIOR TO CONSTRUCTION

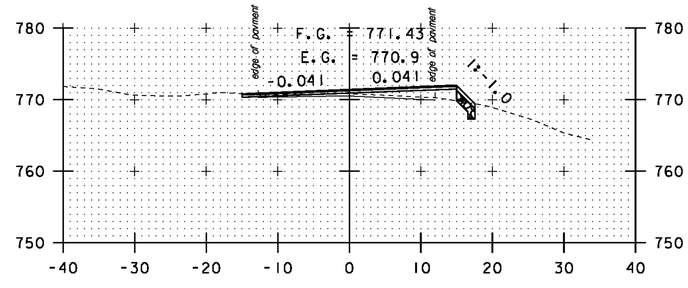



44+00

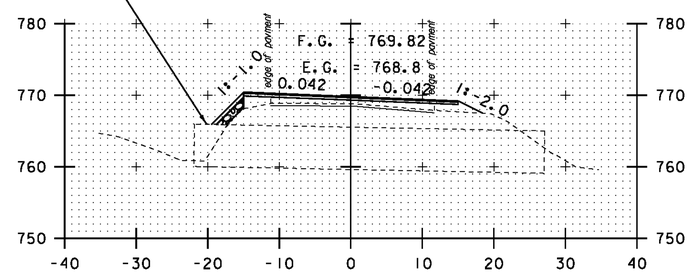
EXISTING GROUND (TYP.)



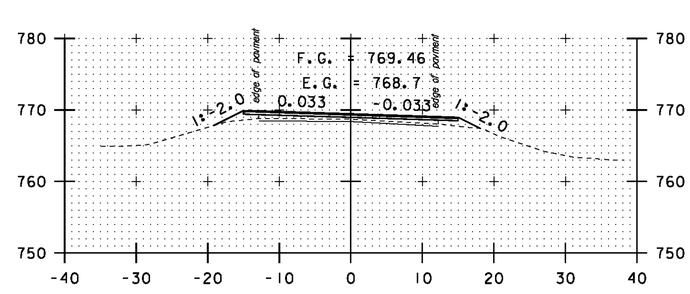

43+50



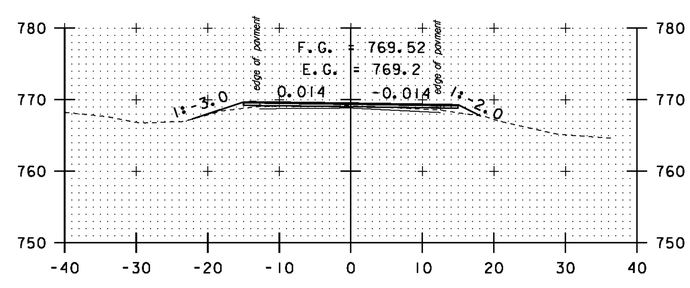

43+00




45+50




45+00




44+50

STA. 42+25 TO STA. 45+50

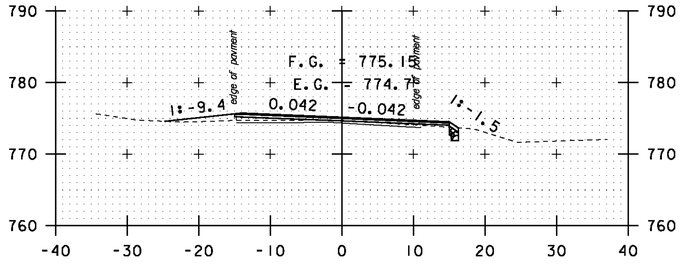
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 9**

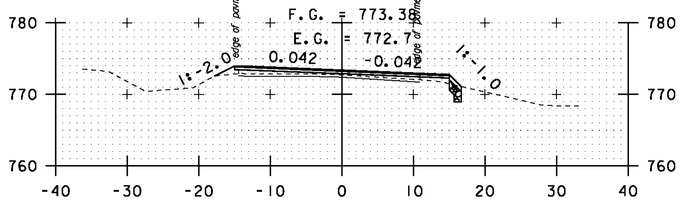
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_123.i

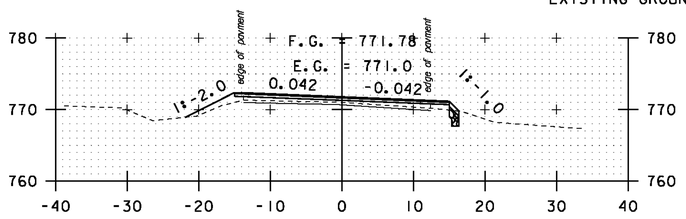
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 123 OF 178



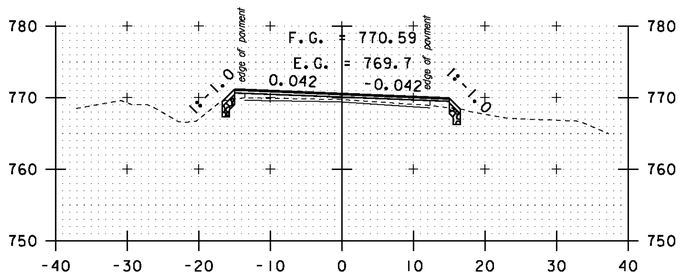

DRIVE LT
47+50



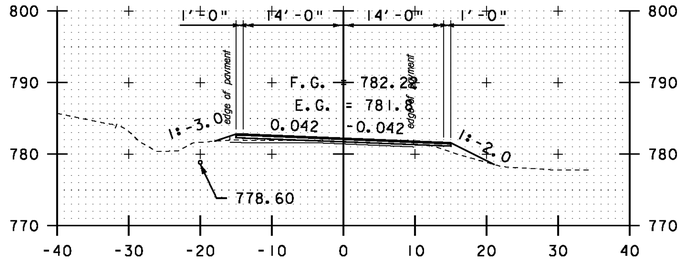

47+00



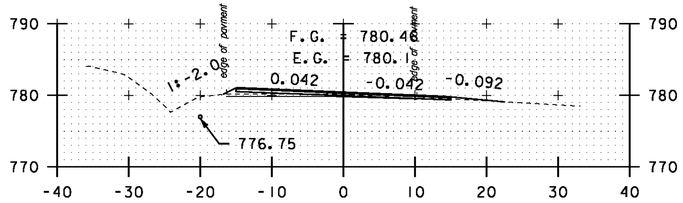

46+50



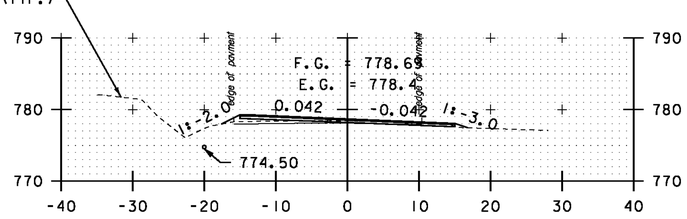

46+00



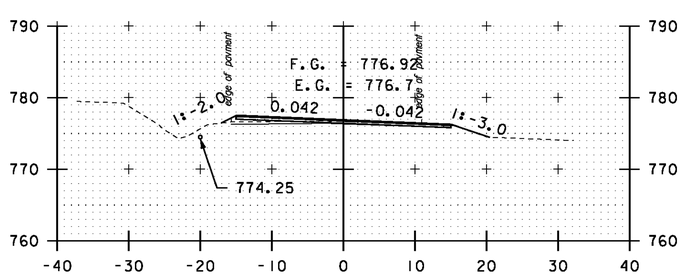

49+50



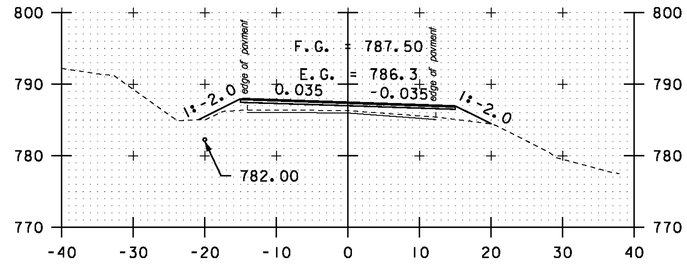

DRIVE RT
49+00



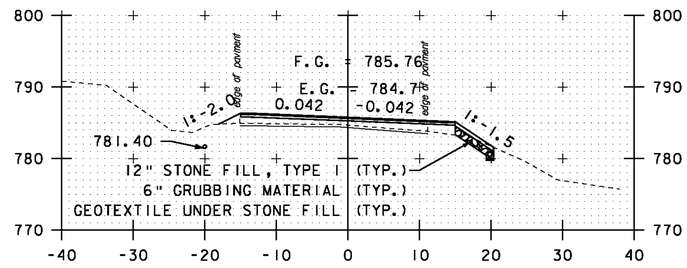

48+50



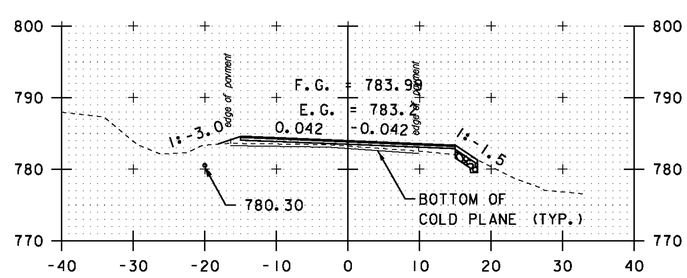

48+00




51+00




50+00




STA. 46+00 TO STA. 51+00

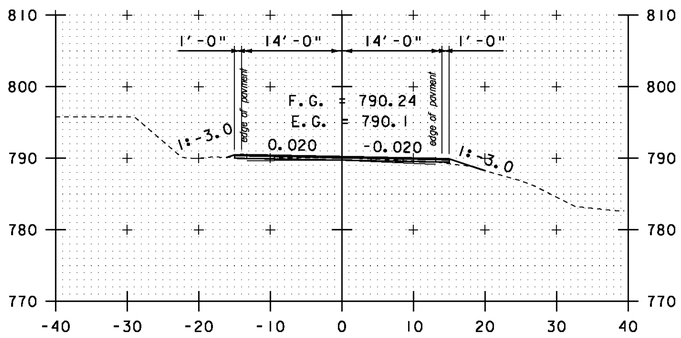
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 10**

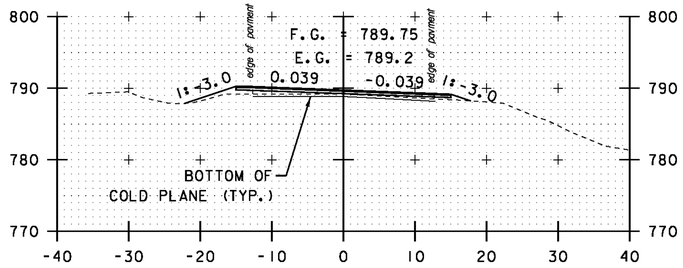
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_124.1

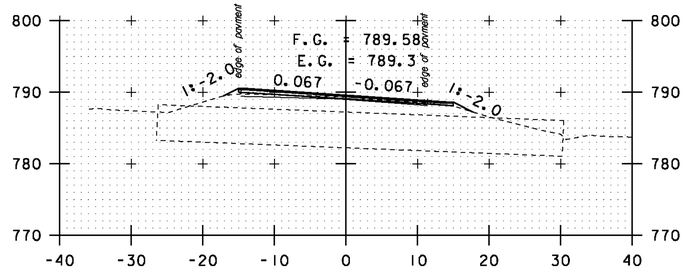
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 124 OF 178



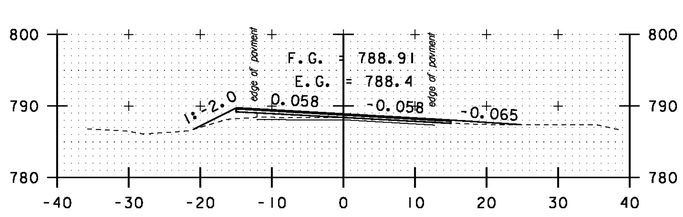

52+50



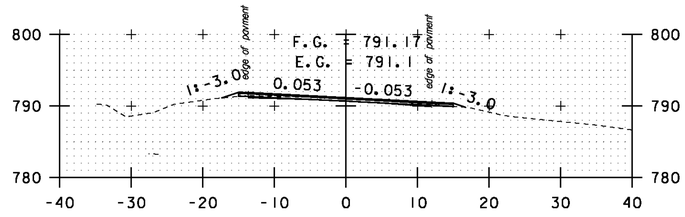

53+50



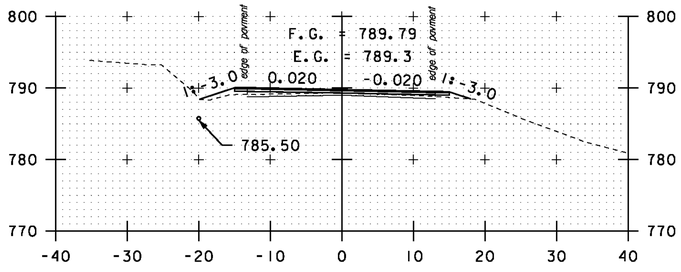

55+50



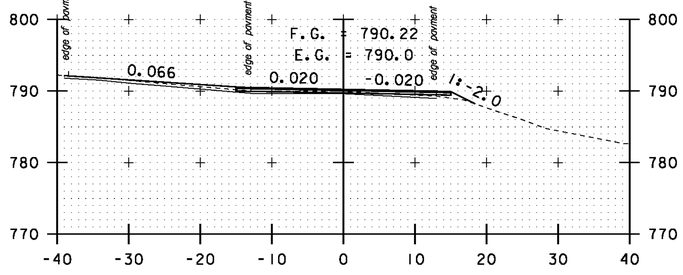

DRIVE RT
54+00



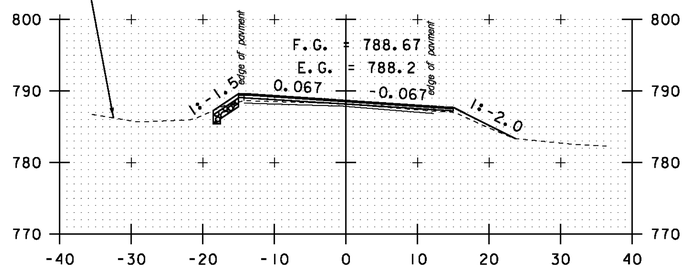

56+00



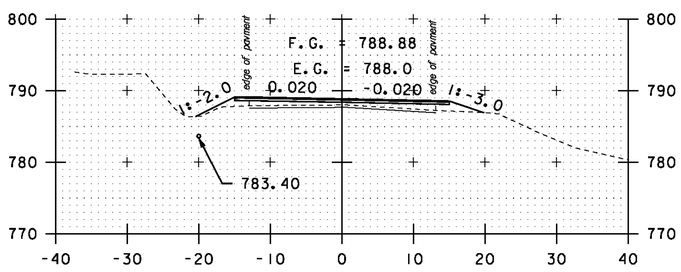

52+00



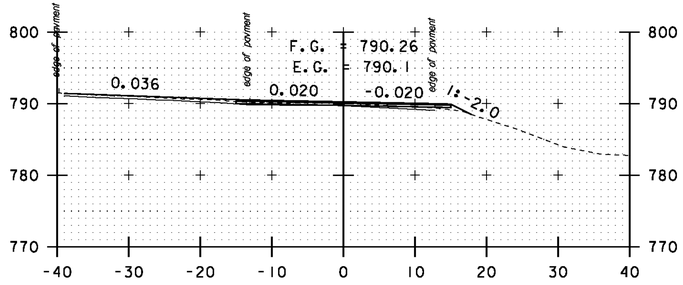

TH #16 LT
53+00



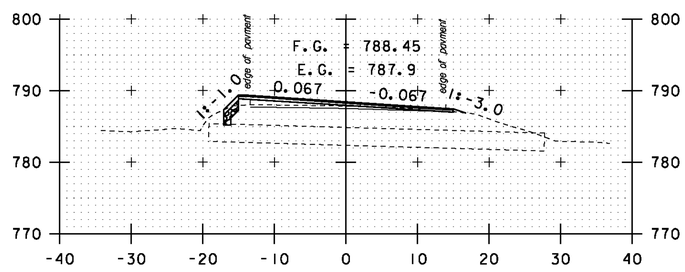

55+00




51+50




TH #16 LT
52+90




54+50

STA. 51+50 TO STA. 56+00

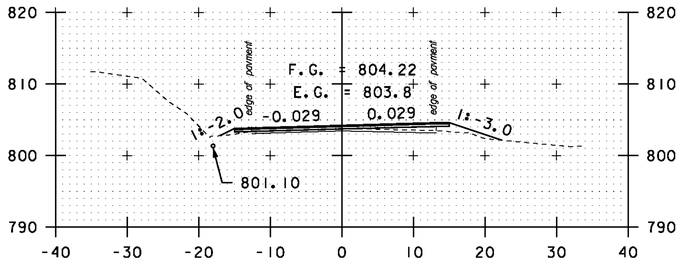
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 11**

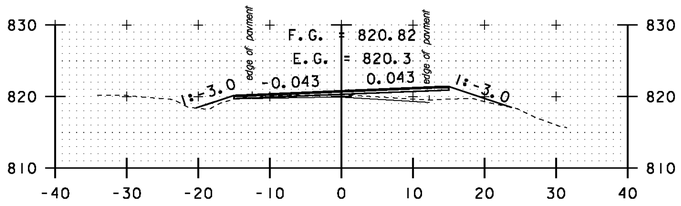
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_125.I

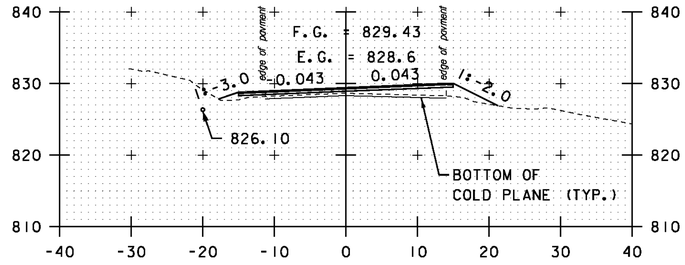
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 125 OF 178



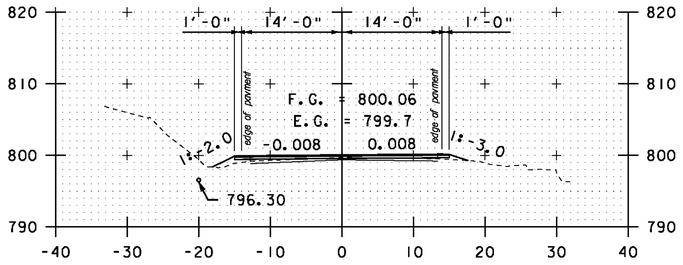

58+00



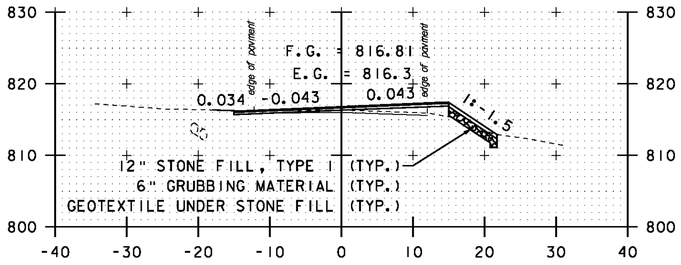

60+00



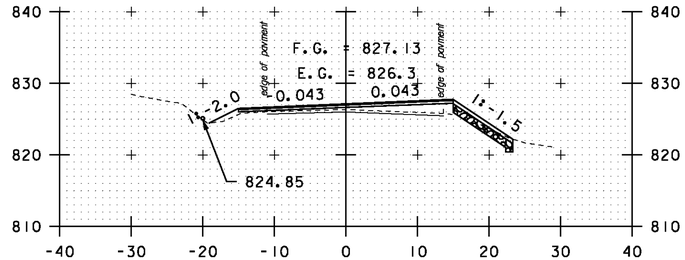

61+50



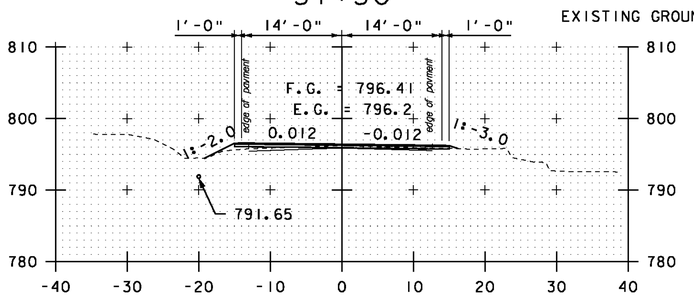

57+50



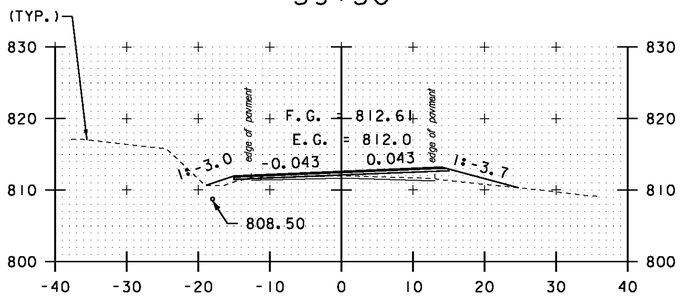

DRIVE LT
59+50



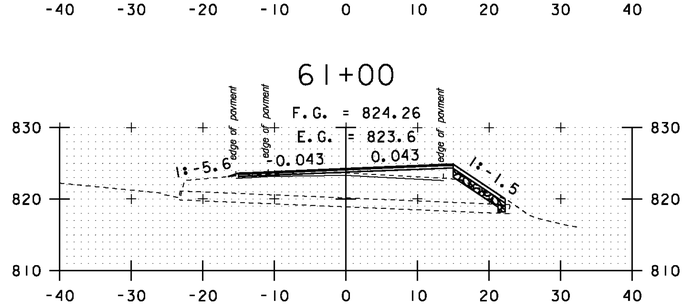

61+00



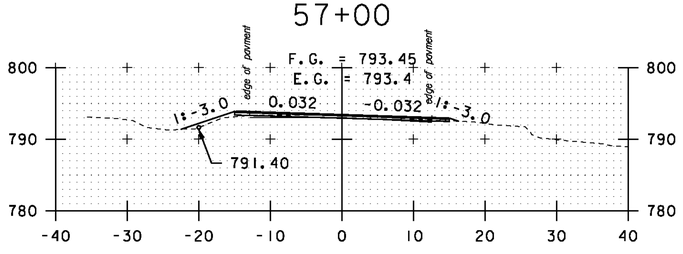

57+00



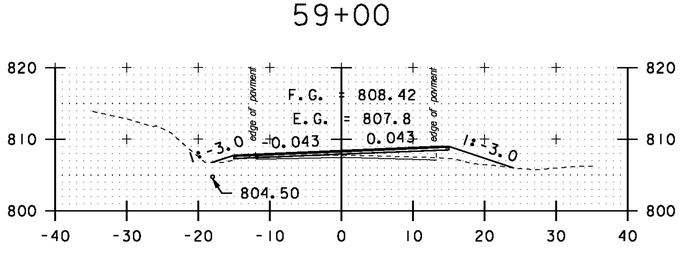

DRIVE RT
59+00



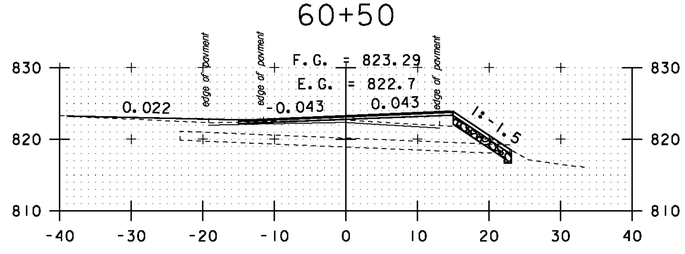

60+50




56+50




58+50




TH #65 LT
60+35

STA. 56+50 TO STA. 61+50

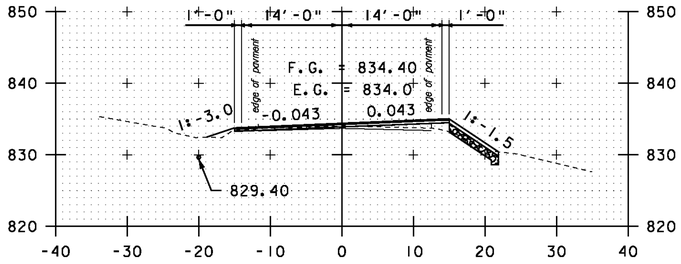
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 12**

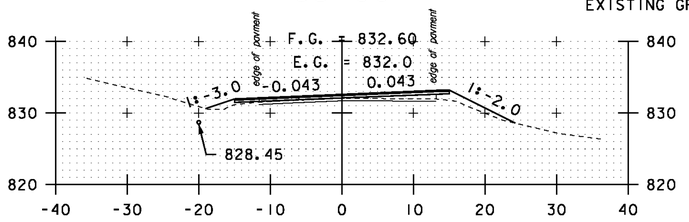
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_126.1

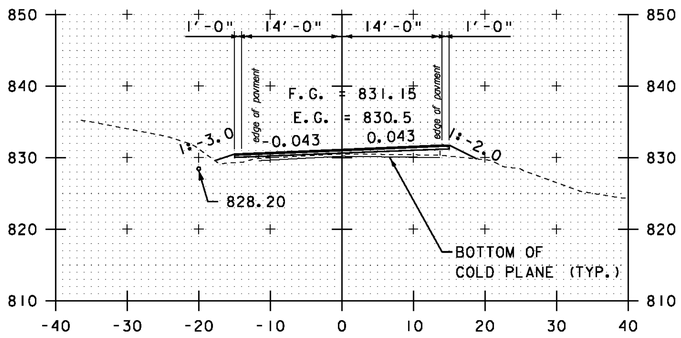
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 126 OF 178



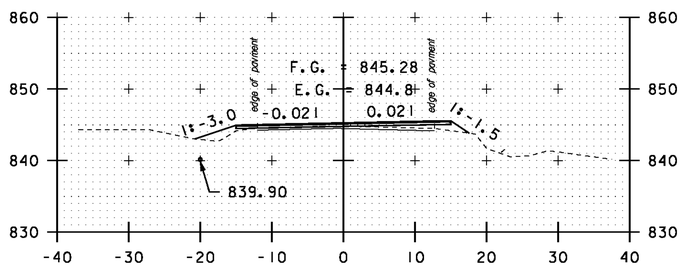

63+00



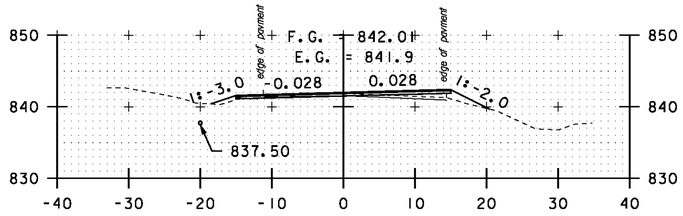

62+50



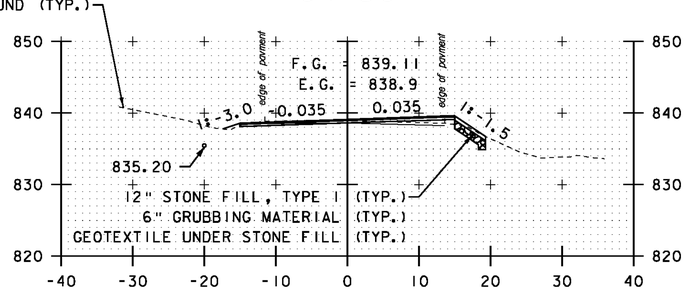

62+00



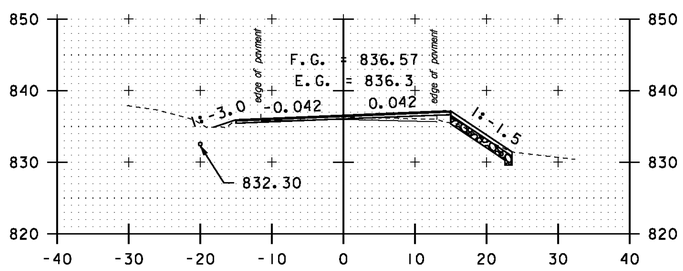

65+00



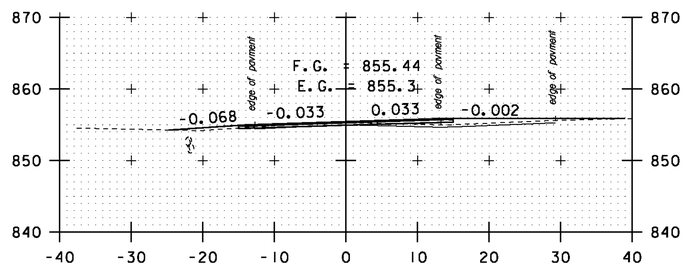

64+50



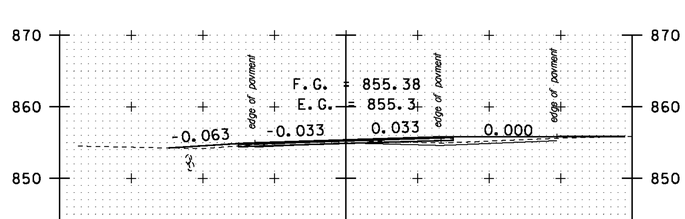

64+00



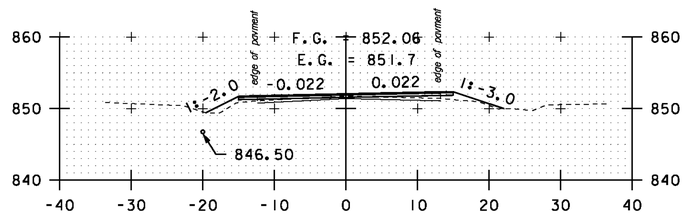

63+50



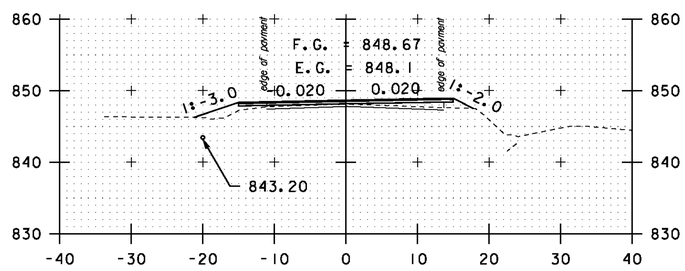

DRIVE LT/ TH #17 RT
66+51




DRIVE LT/ TH #17 RT
66+50




66+00




65+50

STA. 62+00 TO STA. 66+51

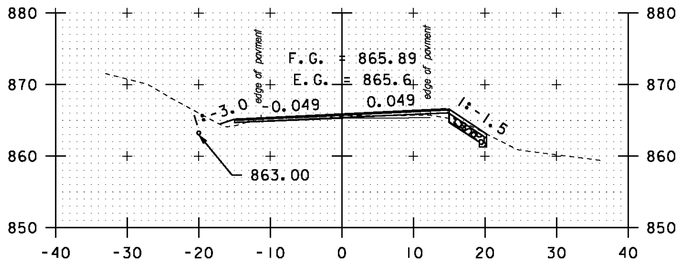
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 13**

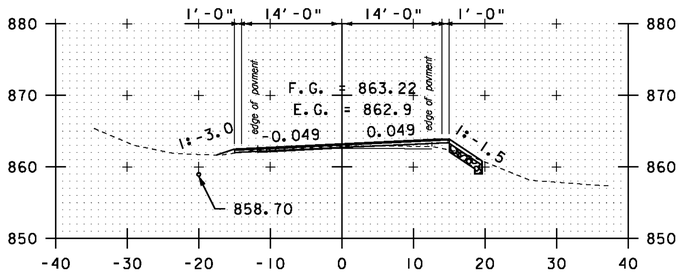
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

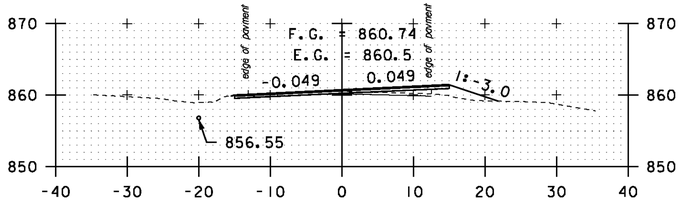
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_127.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 127 OF 178

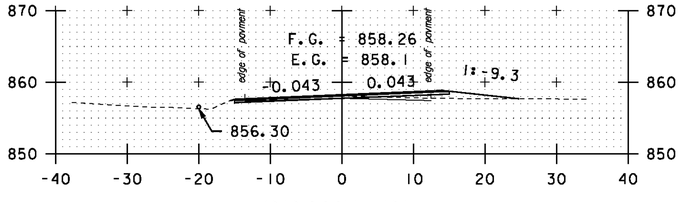



68+50



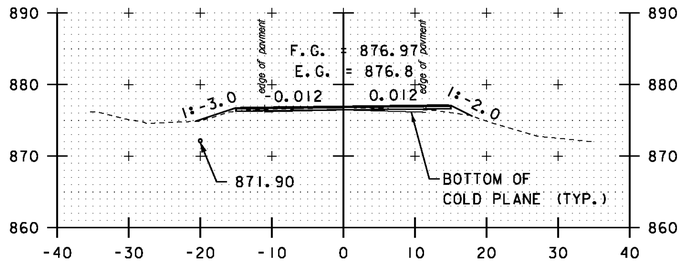




68+00

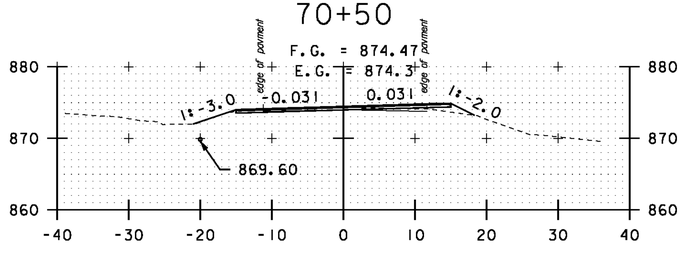



67+50

DRIVE RT
67+00

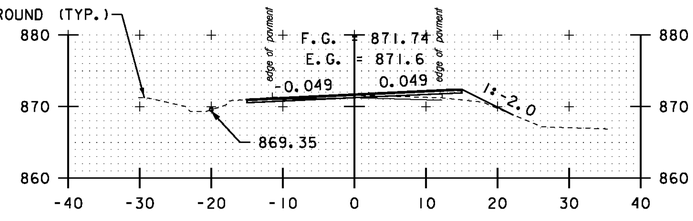



70+50

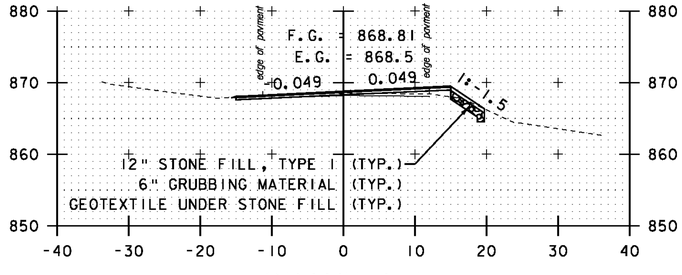



70+00

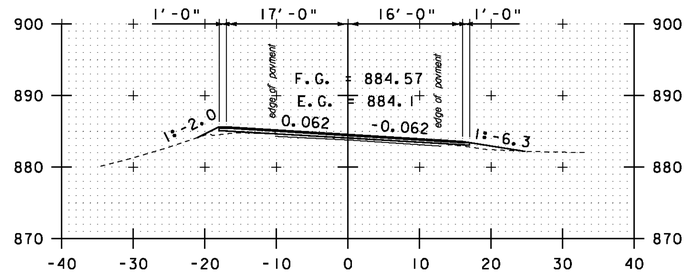
EXISTING GROUND (TYP.)



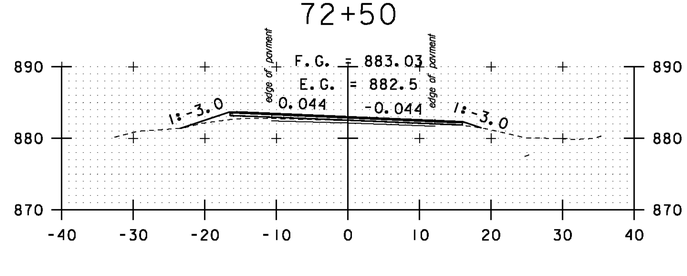

69+50



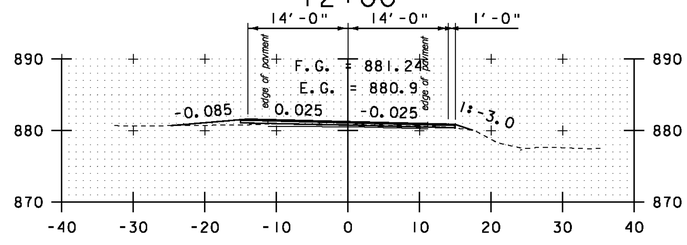

DRIVE LT
69+00



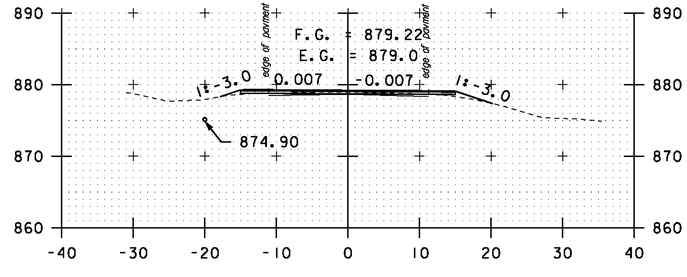

DRIVE RT
72+50




72+00




DRIVE LT
71+50




71+00

STA. 67+00 TO STA. 72+50

SCALE 1" = 10'-0
10 0 10

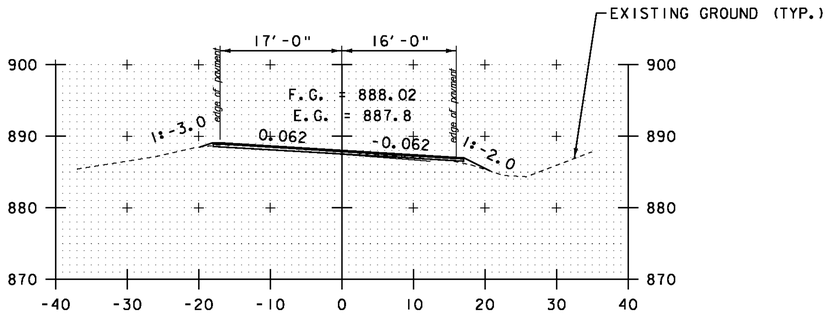
**CROSS SECTION SHEET 14**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

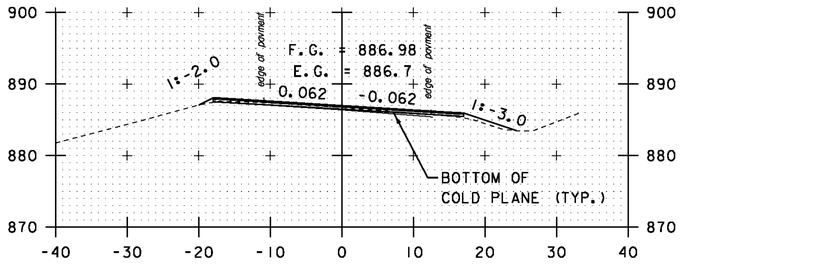
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_128.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 128 OF 178

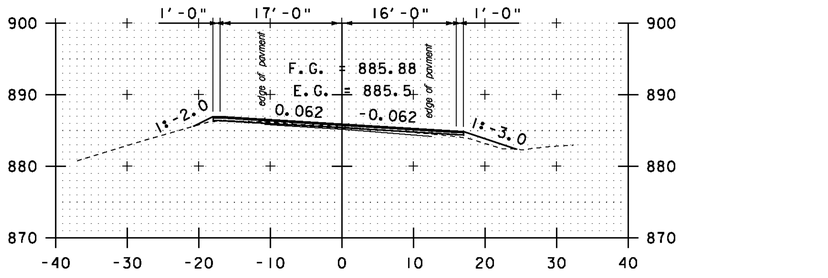
NOTE:
FROM STA. 73+92 - STA. 75+00 THE SUPERELEVATION SHALL BE TRANSITIONED TO MATCH EXISTING CROSS SLOPES. CROSS SLOPES SHALL BE MAINTAINED THROUGH THE LEVEL/OVERLAY SECTION.




74+00




73+50




73+00

STA. 73+00 TO STA. 74+00

SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 15**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_129.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 129 OF 178

INTENTIONALLY LEFT BLANK

SCALE 1" = 10'-0

10 0 10

**CROSS SECTION SHEET 16**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_130.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 130 OF 178

INTENTIONALLY LEFT BLANK

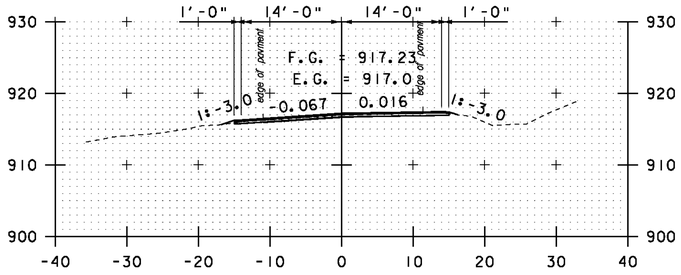
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 17**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

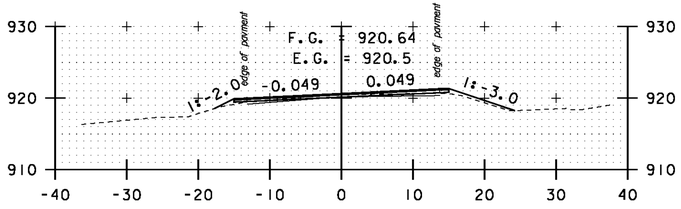
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_131.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 131 OF 178

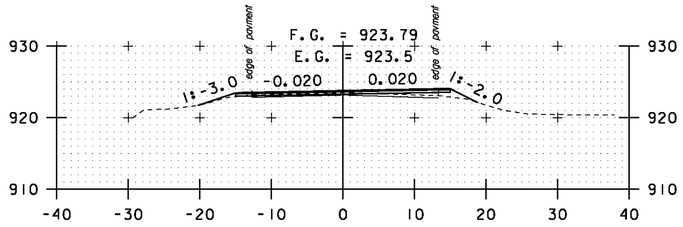



90+00

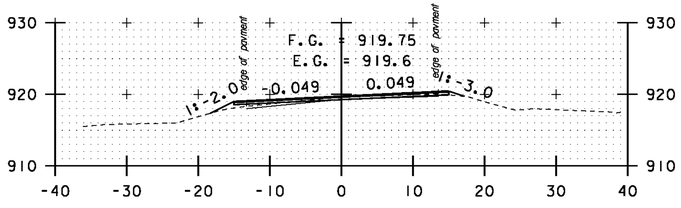
NOTE:
FROM STA. 90+35 - STA. 91+35 THE SUPERELEVATION SHALL BE TRANSITIONED FROM THE CROSS SLOPES OF THE LEVEL/OVERLAY SECTION THE THE CROSS SLOPES OF THE RECLAIM SECTION.



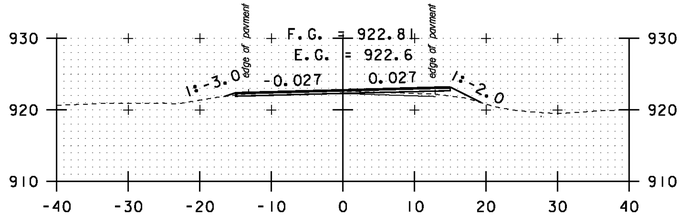

92+00



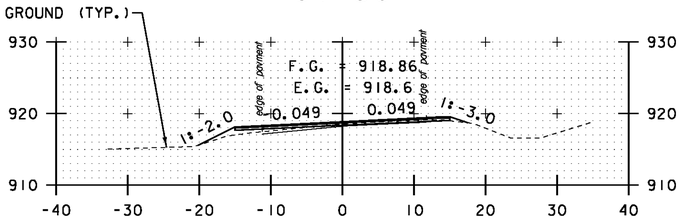

94+00



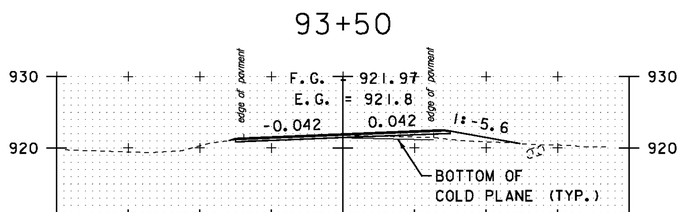

91+50



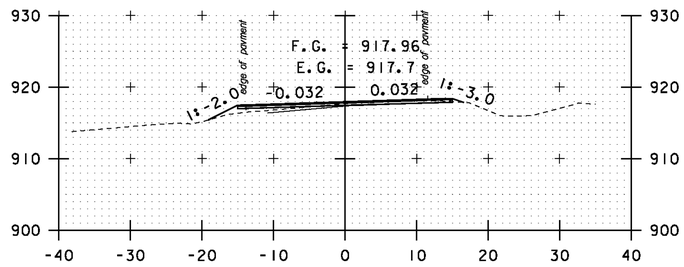

EXISTING GROUND (TYP.)



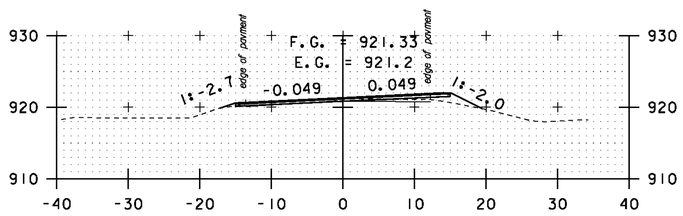

91+35




93+50




DRIVE RT
93+00




90+50

92+50

STA. 90+00 TO STA. 94+00

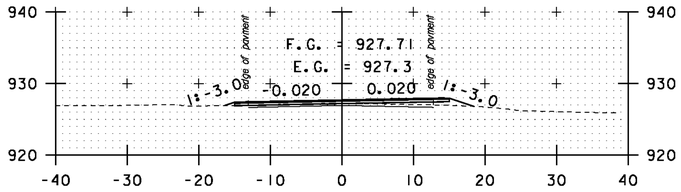
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 18**

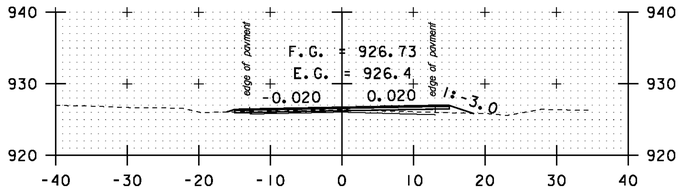
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: pI0CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: pI0CI90_132.I

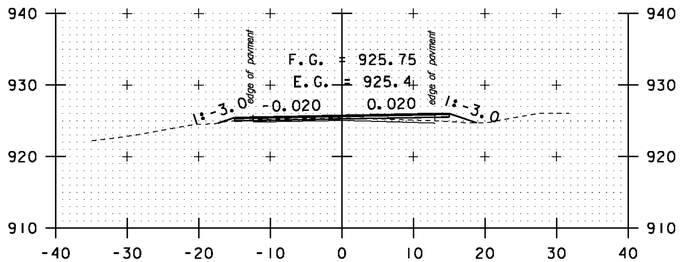
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 132 OF 178



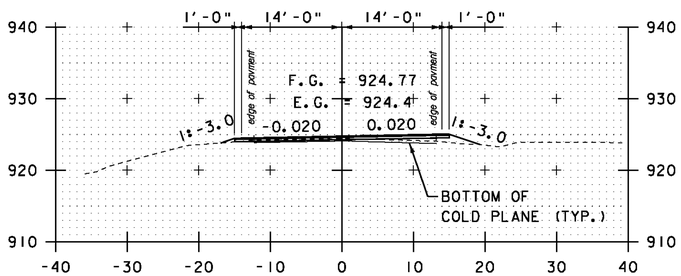

96+00



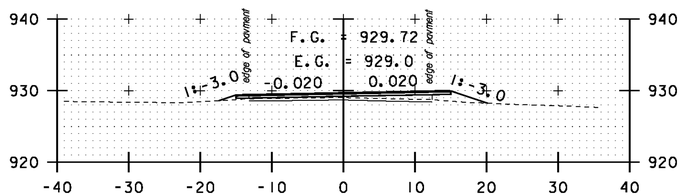

95+50



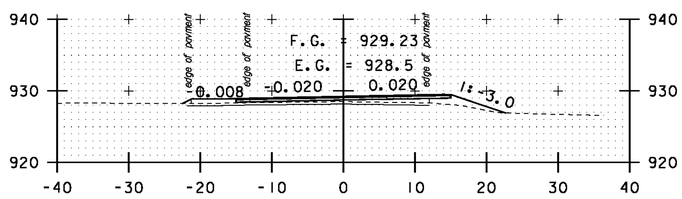

95+00



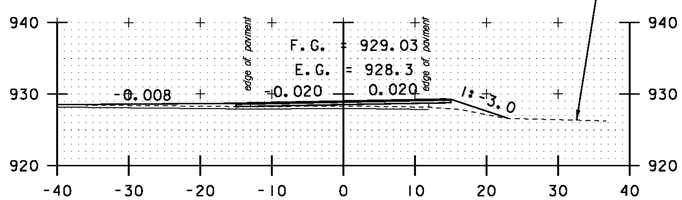

94+50



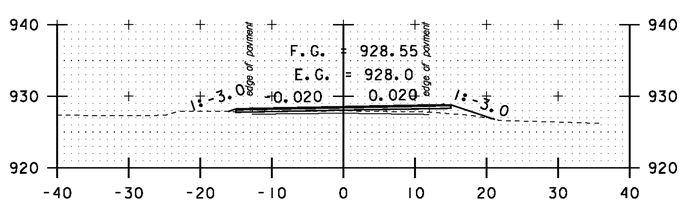

97+50



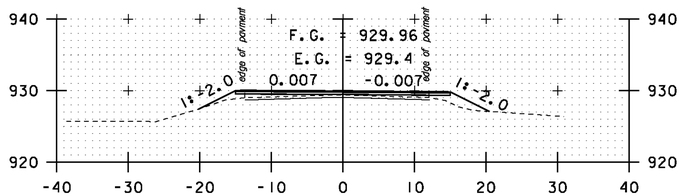

TH #18 LT
97+00



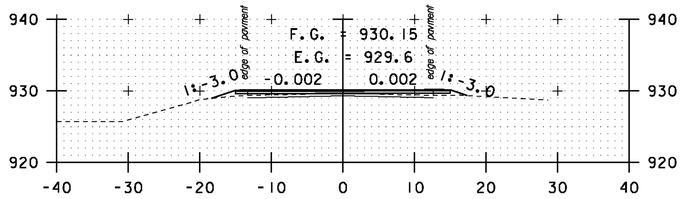

TH #18 LT
96+84



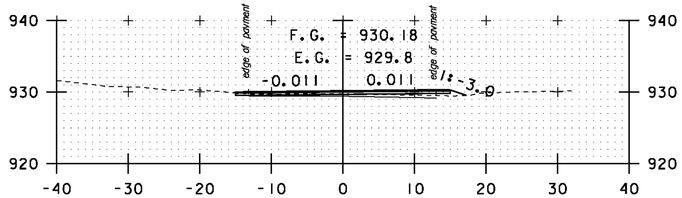

96+50



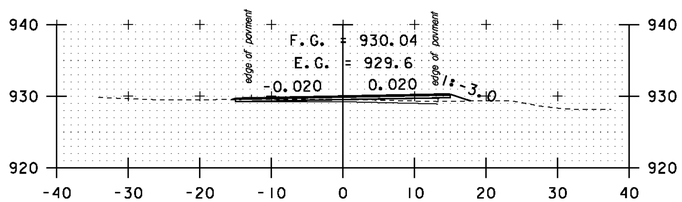

99+50




99+00




98+50




98+00

STA. 94+50 TO STA. 99+50

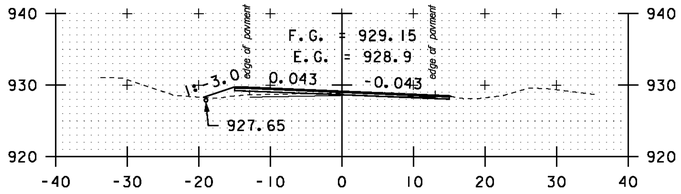
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 19**

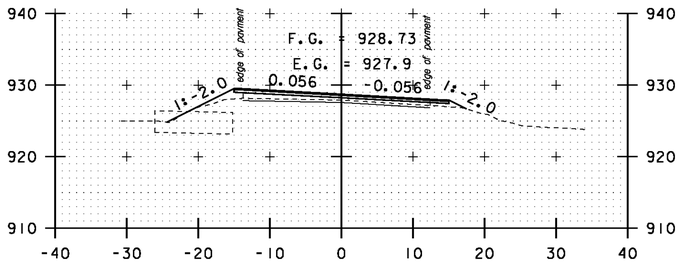
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_133.I

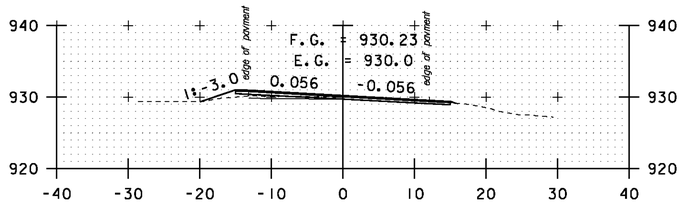
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 133 OF 178



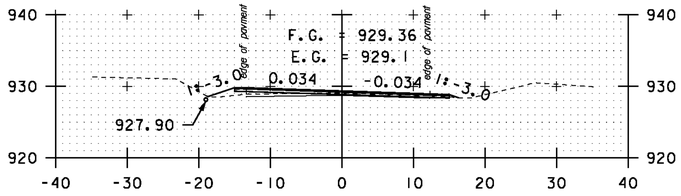

101+50



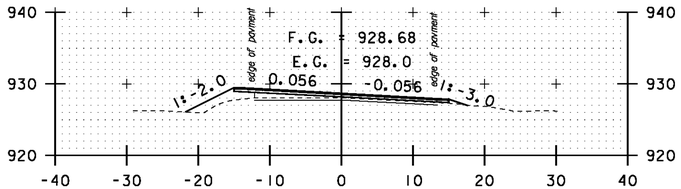

103+50

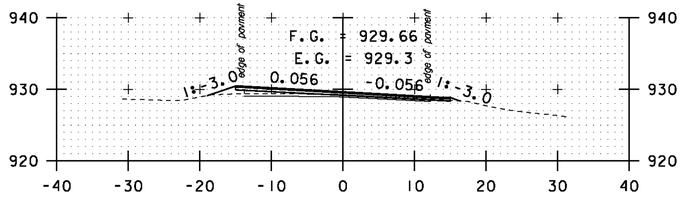



105+50

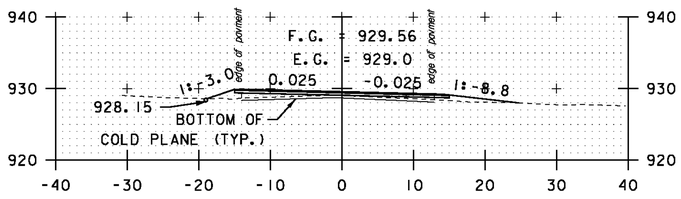



101+00

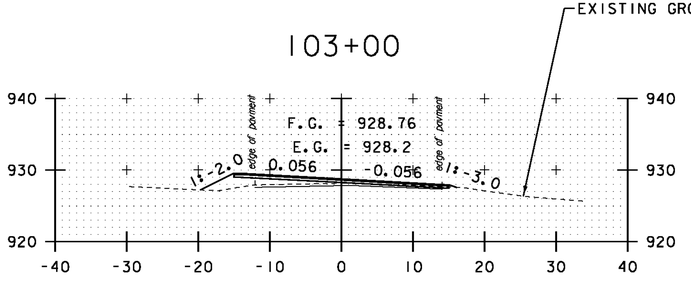


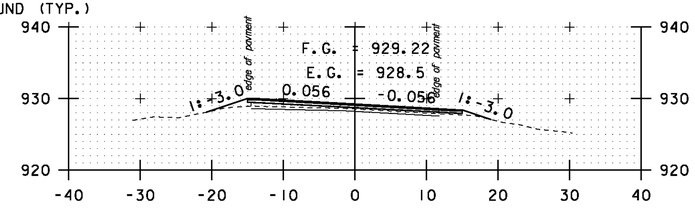

105+00

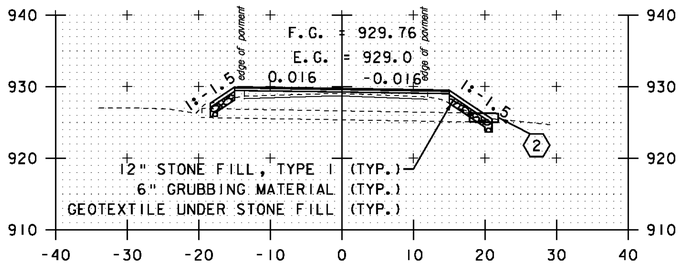



DRIVE RT
100+50



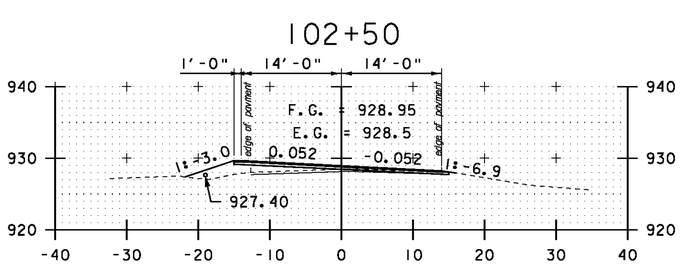

103+00



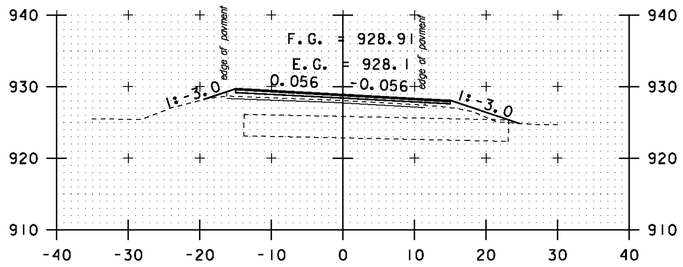

100+00

2 STA. 99+98.79 RT 17.84' TO
STA. 99+98.83 RT 21.84'
EXTEND 15" CMP (4'-0")
PROPOSED INV. IN = 925.01'
EXISTING INV. IN = 925.08'




102+50

DRIVE RT
102+00




104+50

104+00

STA. 100+00 TO STA. 105+50

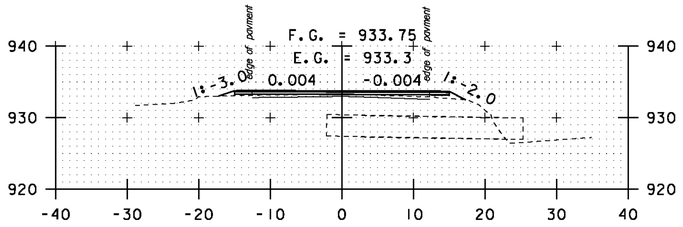
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 20**

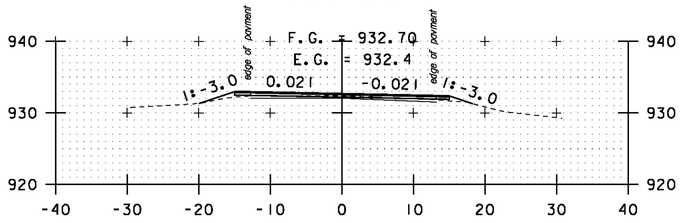
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_134.I

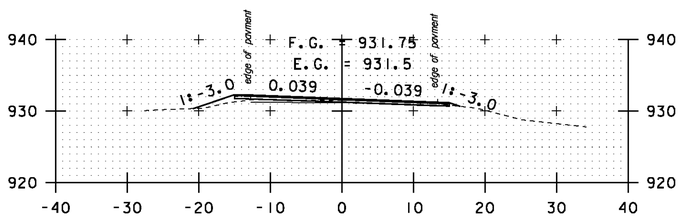
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 134 OF 178



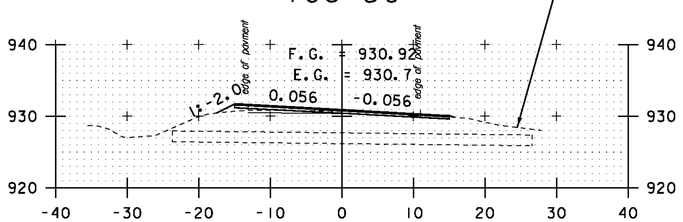

107+50



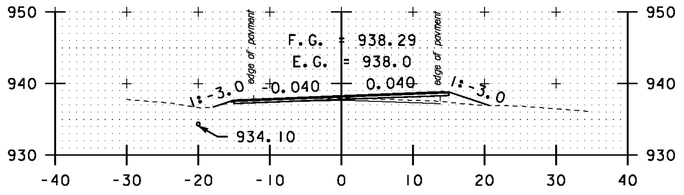

107+00



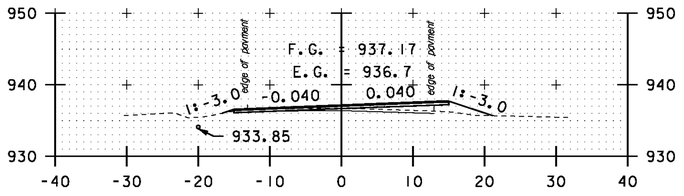

106+50



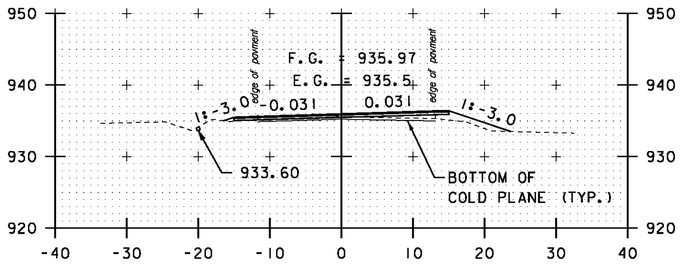

106+00



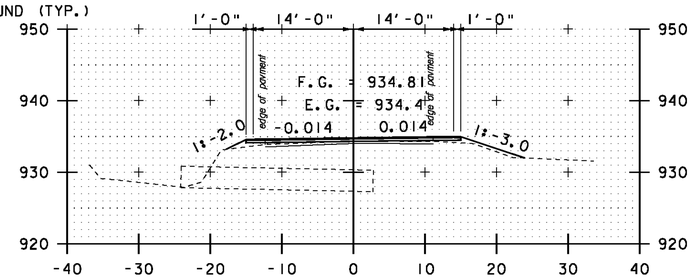

109+50



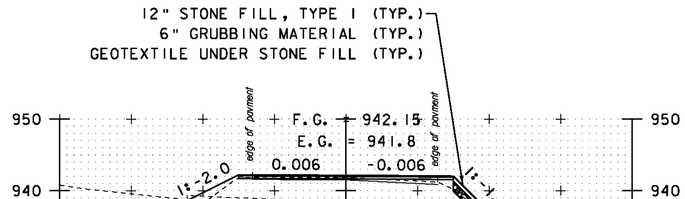

109+00



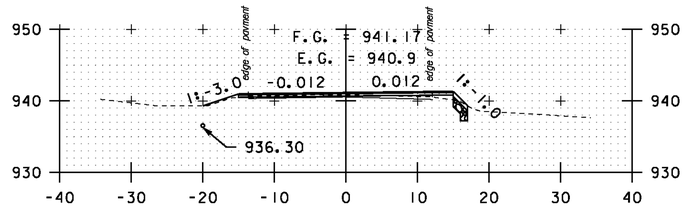

108+50



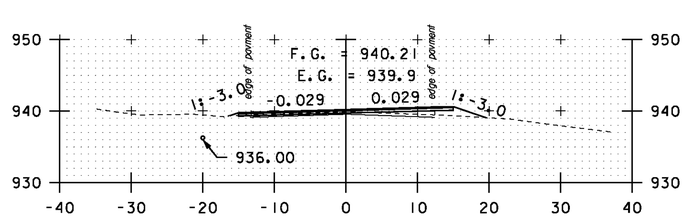

108+00



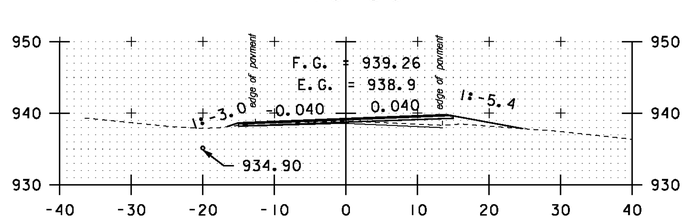

111+50




111+00




110+50




DRIVE RT
110+00

STA. 106+00 TO STA. 111+50

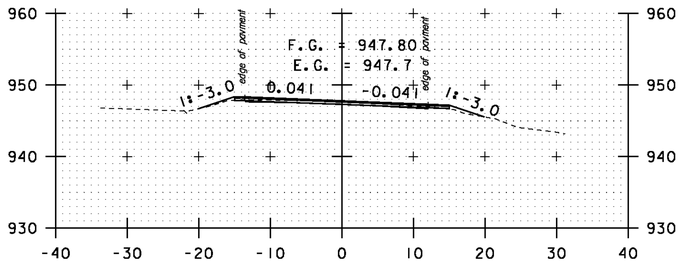
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 21**

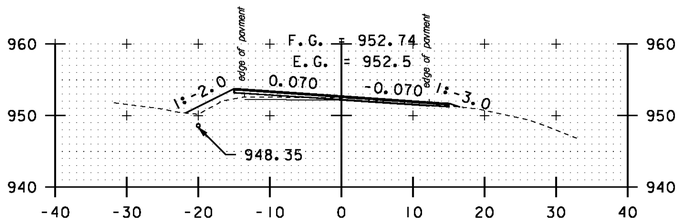
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_135.i

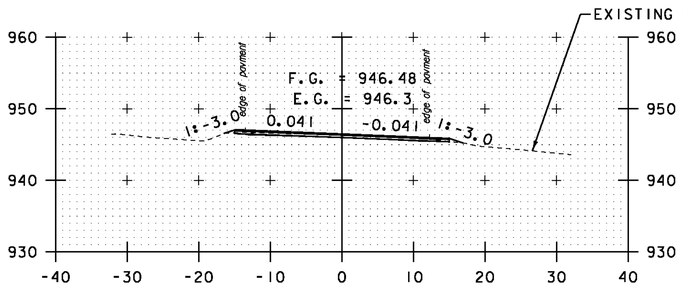
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 135 OF 178



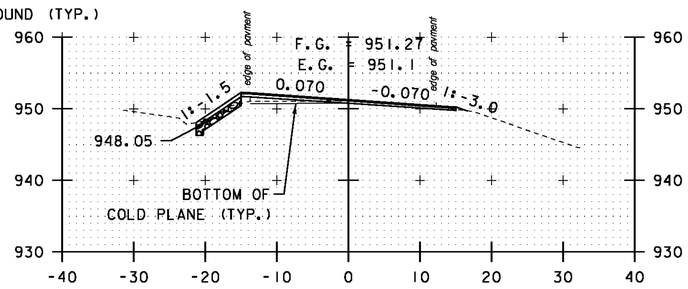

113+50



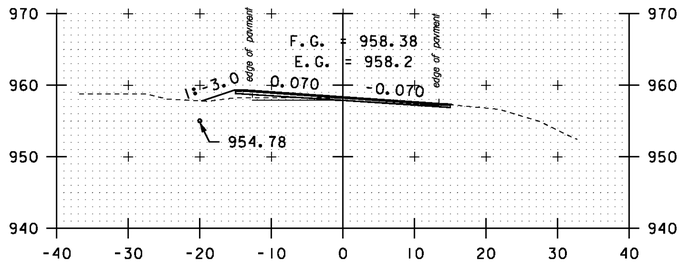

115+50



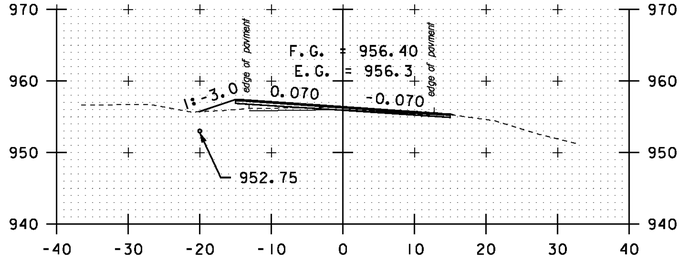

113+00



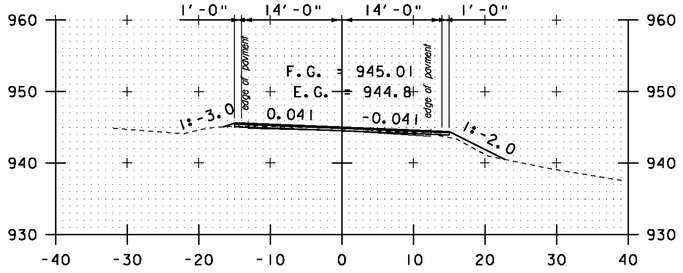

115+00



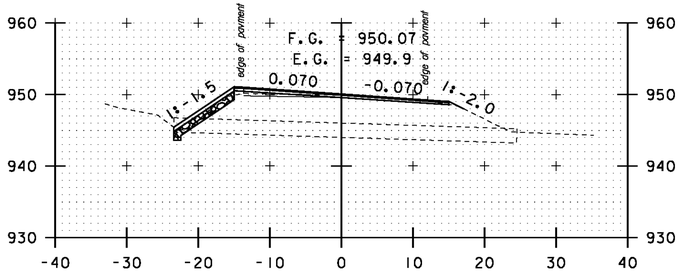

117+00



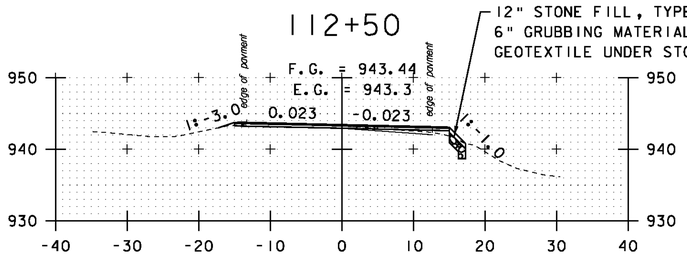

116+50



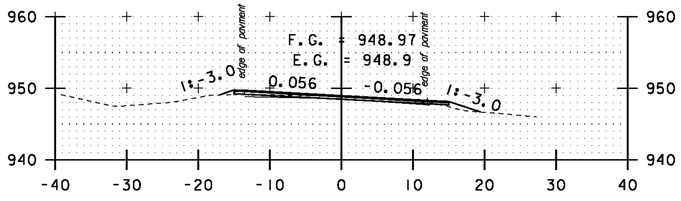

113+00



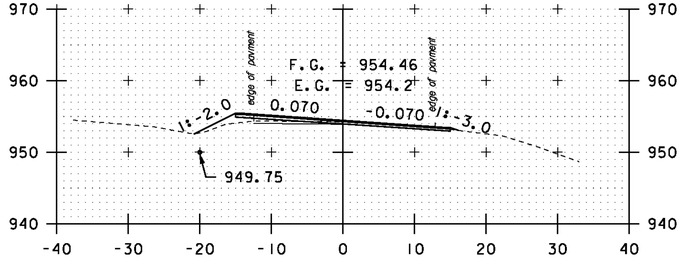

115+00




112+50




114+50




116+00

112+00

114+00

STA. 112+00 TO STA. 117+00

SCALE 1" = 10'-0

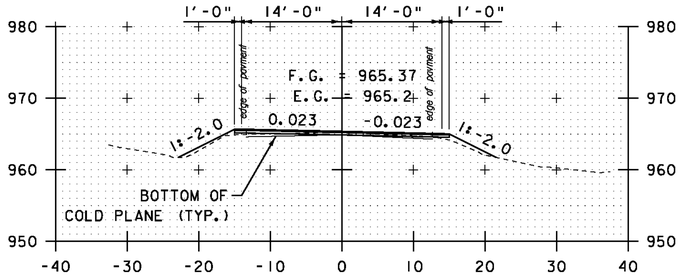
10 0 10

**CROSS SECTION SHEET 22**

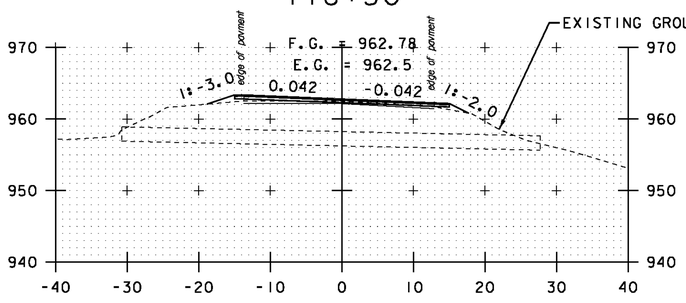
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_136.1

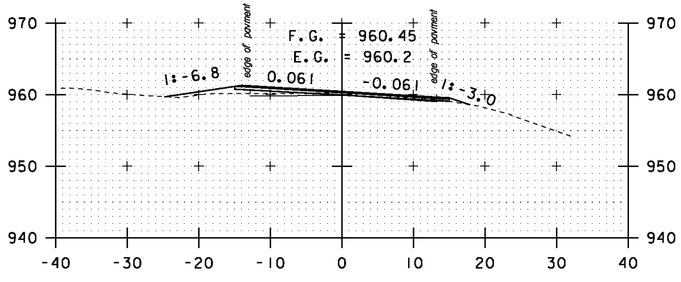
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 136 OF 178



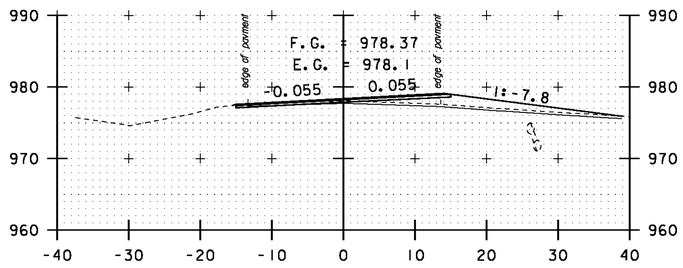

118+50



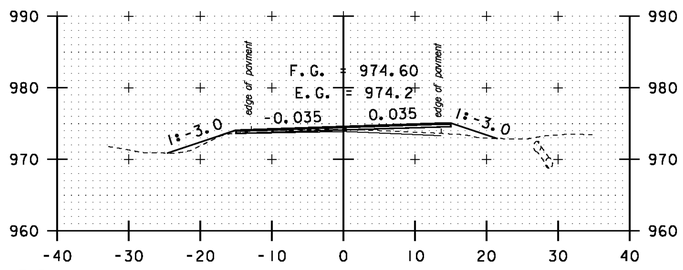

118+00

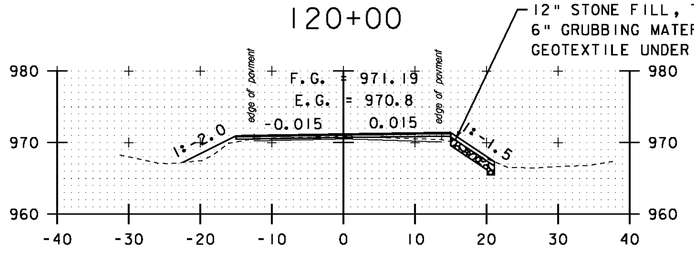



DRIVE LT
117+50

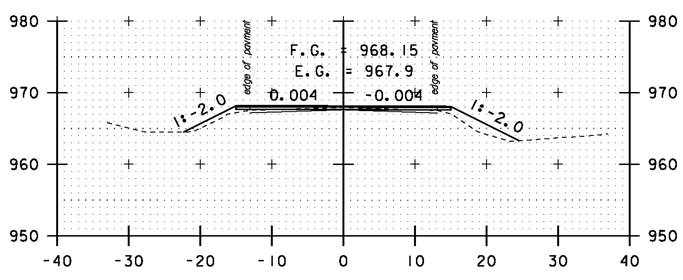



TH #19 RT
120+50



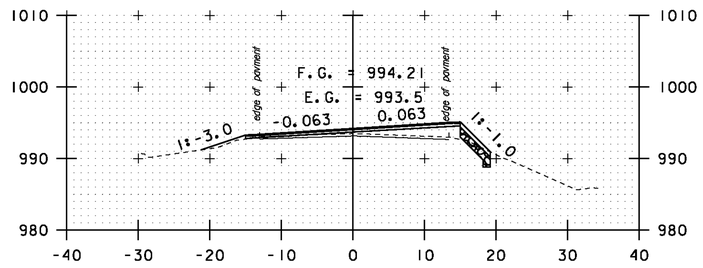




120+00

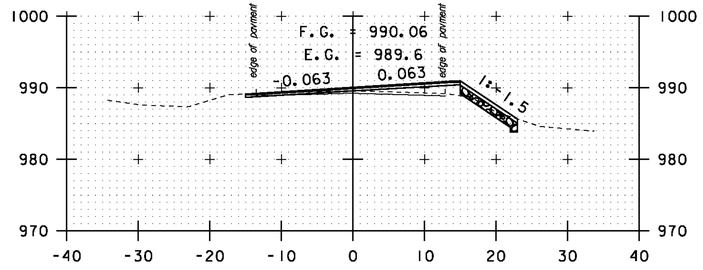


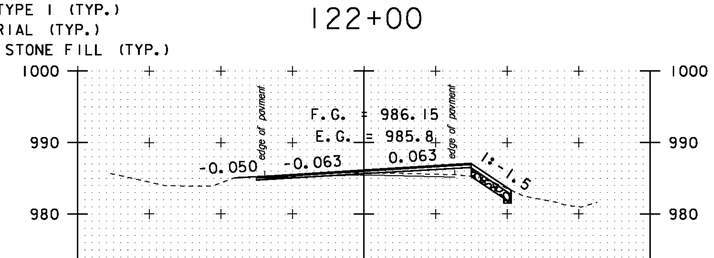

119+50

119+00

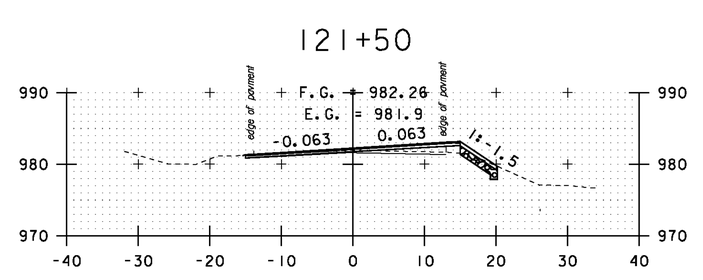



122+50




122+00




121+50

121+00

STA. 117+50 TO STA. 122+50

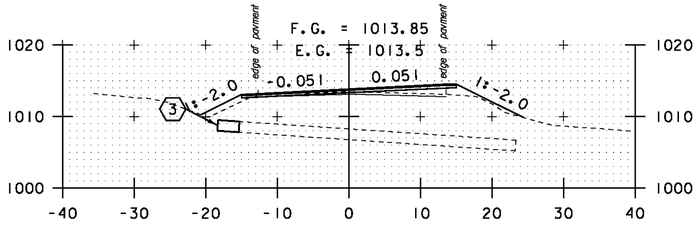
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 23**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

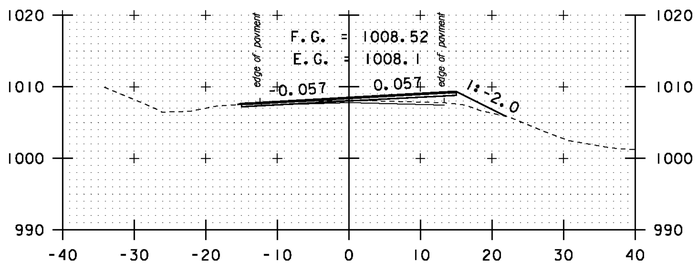
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_137.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 137 OF 178

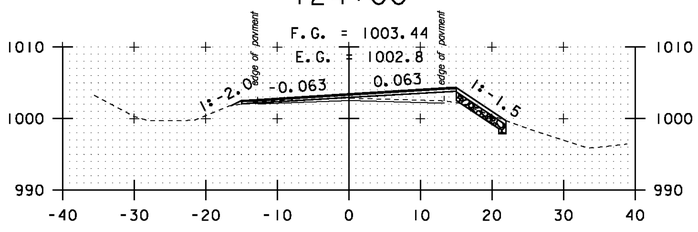



3 STA. 124+41.20 LT 15.29' TO
STA. 124+43.98 LT 19.45'
EXTEND 18" CMP (3'-0")
PROPOSED INV. IN = 1008.00'
EXISTING INV. IN = 1007.81'

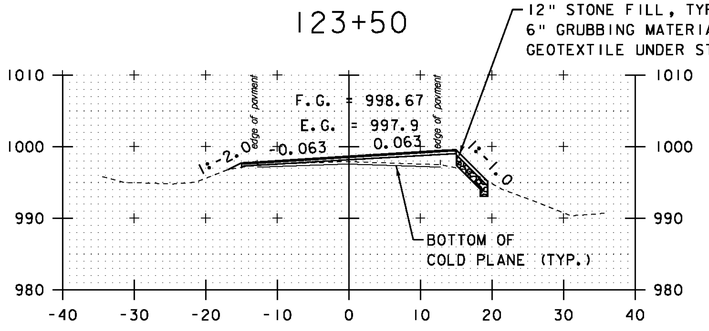
124+50



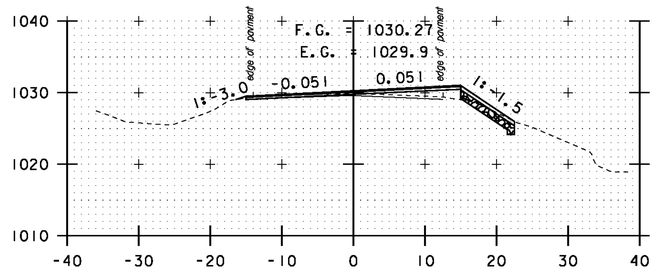

124+00



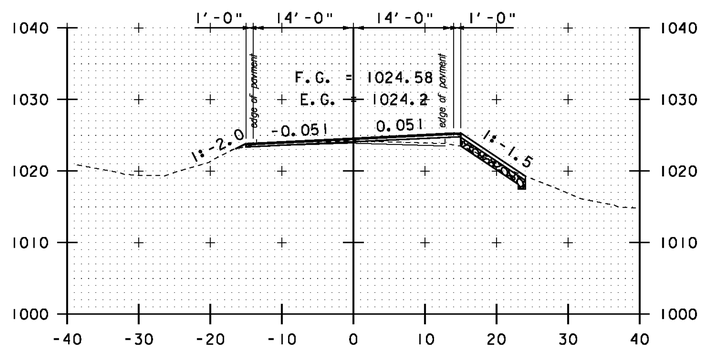

123+50



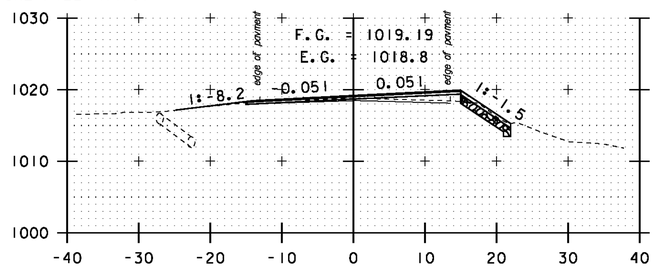

123+00




126+00

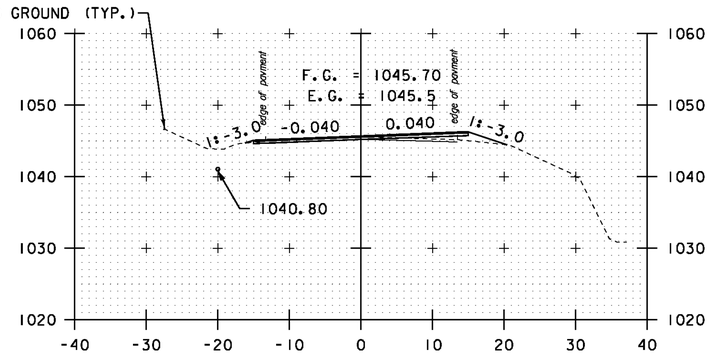



125+50

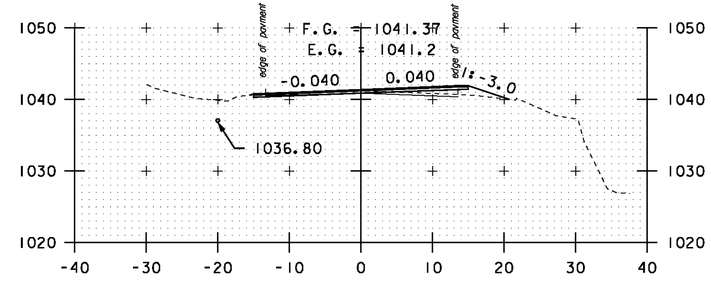



DRIVE LT
125+00

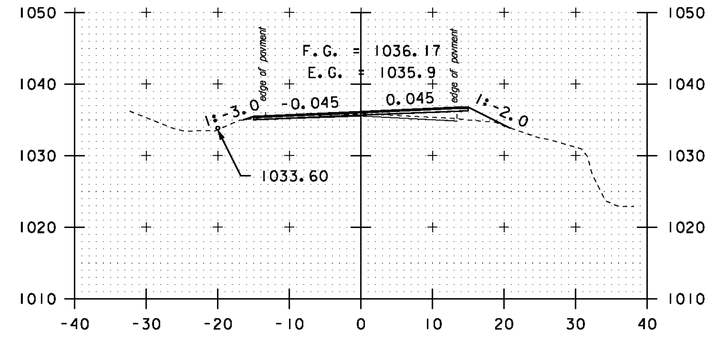
EXISTING GROUND (TYP.)




127+50




127+00



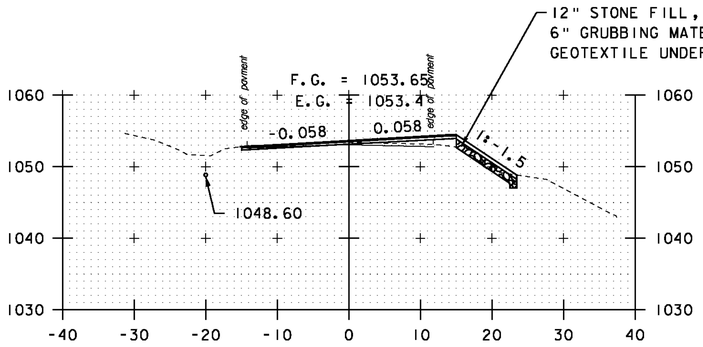

126+50

STA. 123+00 TO STA. 127+50

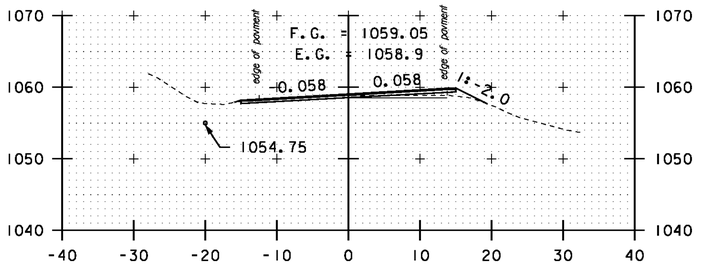
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 24**

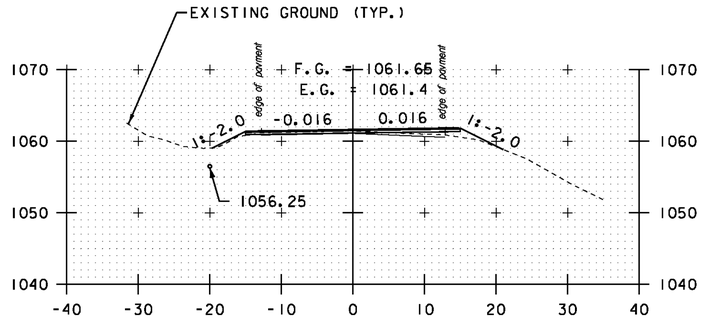
| | |
|---|---|
| PROJECT NAME: | MONTGOMERY-WESTFIELD |
| PROJECT NUMBER: | STP 2906(I) |
| FILE NAME: p10CI90.dgn | PLOT DATE: 9/5/12 |
| PROJECT LEADER: CDL | DRAWN BY: SJL |
| DESIGNED BY: SJL | CHECKED BY: CDL |
| PLOT FILE: p10CI90_138.I | SHEET 138 OF 178 |



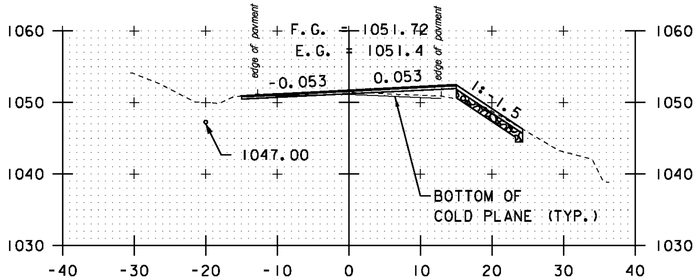

129+00



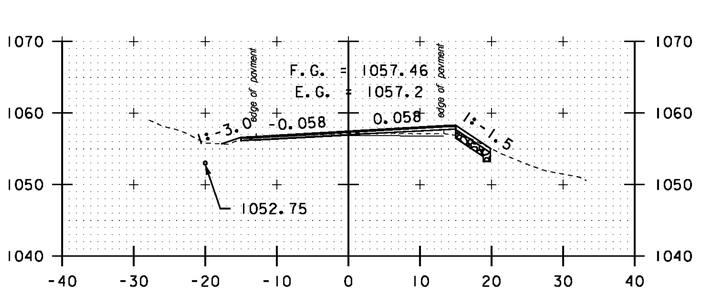

130+50



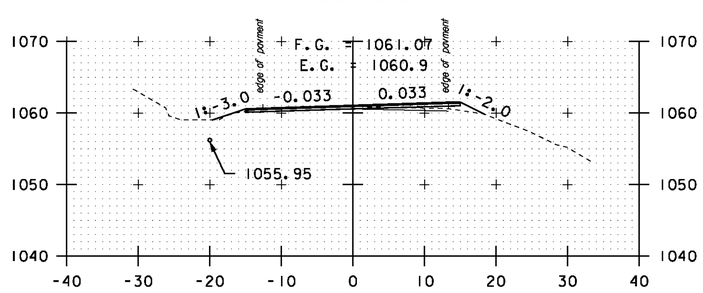

132+00



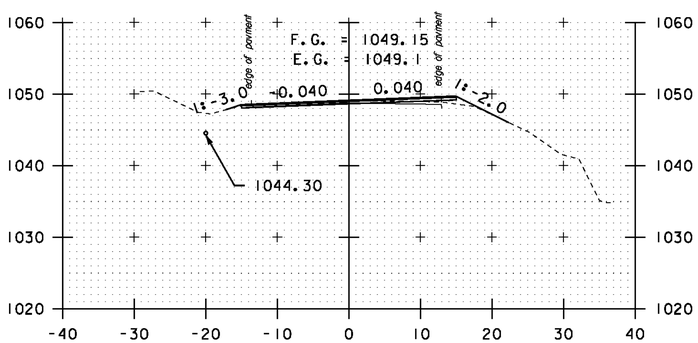

128+50



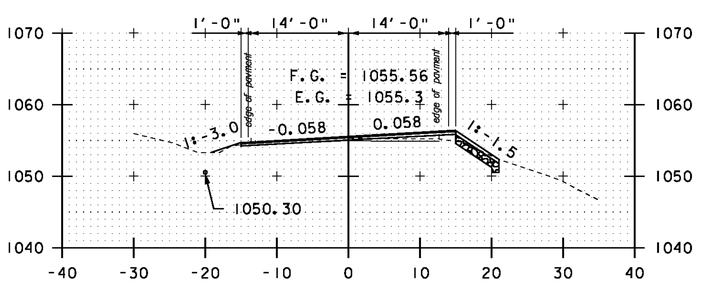

130+00



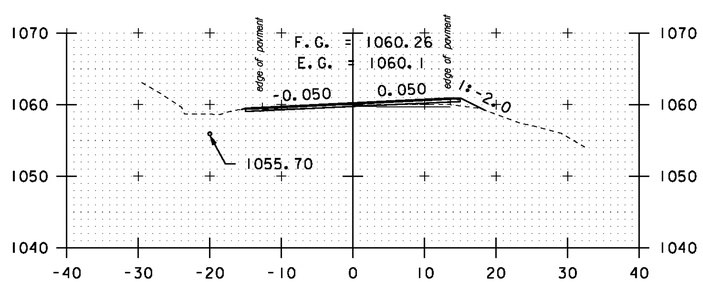

132+00




128+00




129+50




131+00

STA. 128+00 TO STA. 132+00

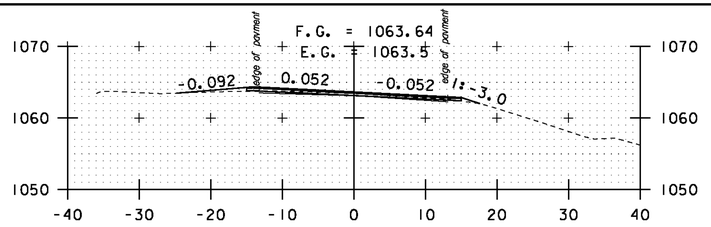
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 25**

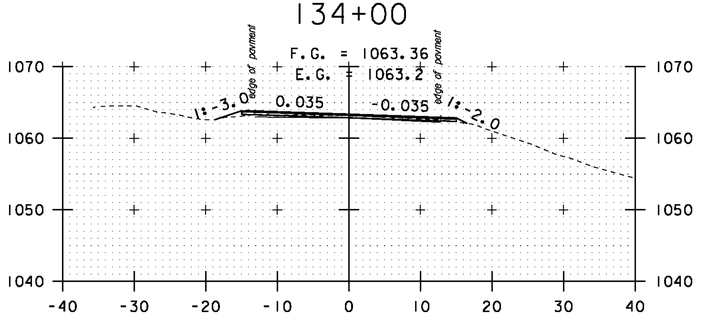
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_139.1

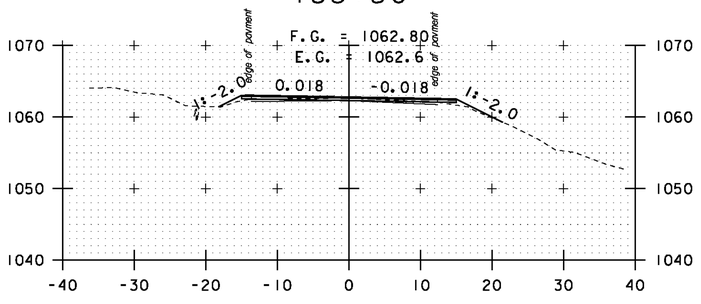
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 139 OF 178



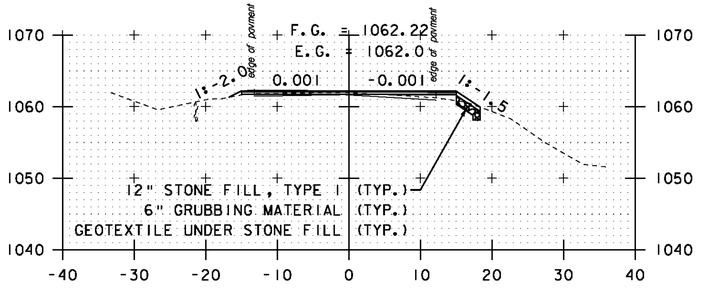

DRIVE LT
134+00



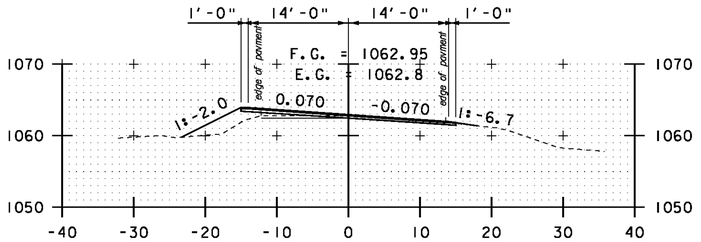

133+50



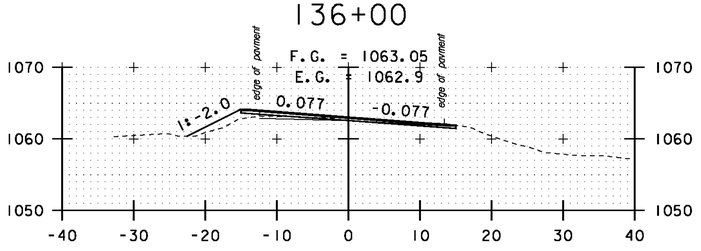

133+00



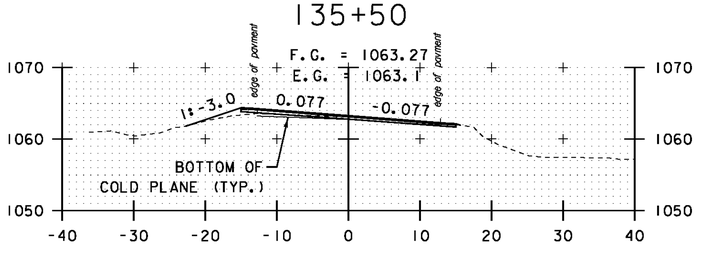

132+50



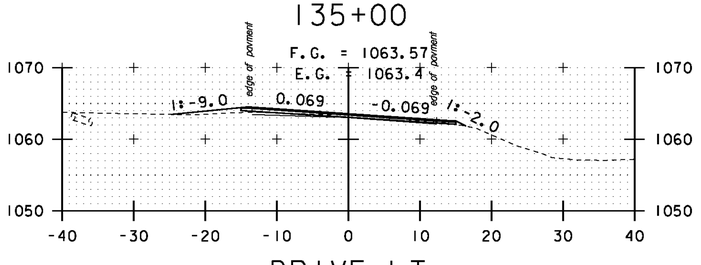

DRIVE RT
136+00




135+50

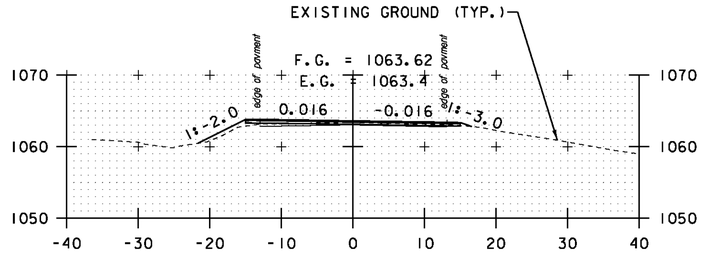



135+00

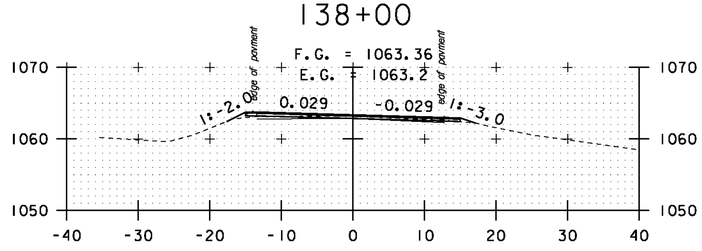



DRIVE LT
134+50

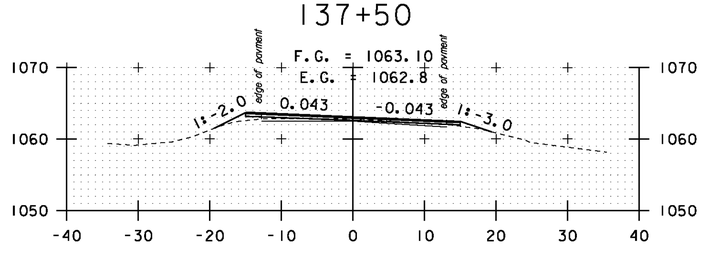
EXISTING GROUND (TYP.)



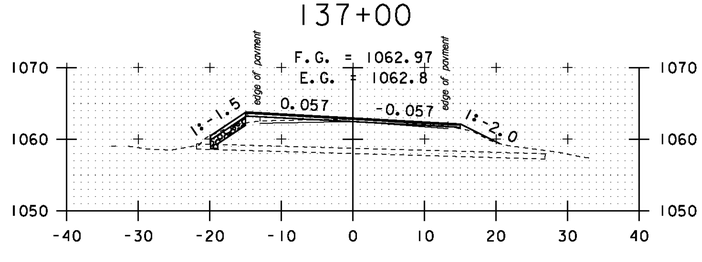

138+00




137+50




137+00




136+50

STA. 132+50 TO STA. 138+00

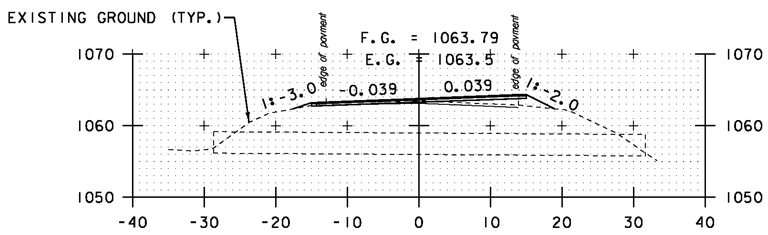
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 26**

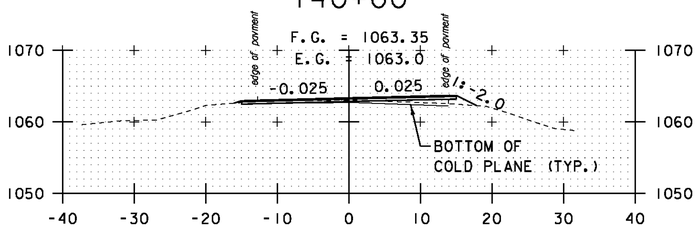
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_140.1

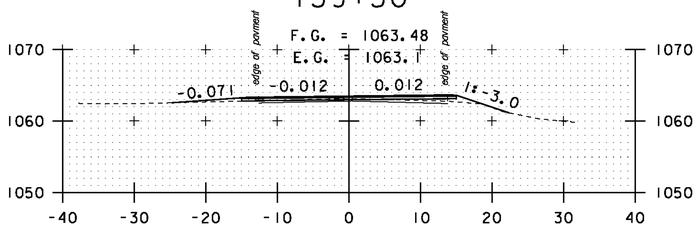
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 140 OF 178



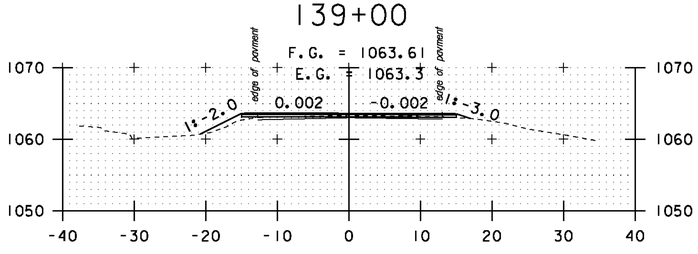

140+00



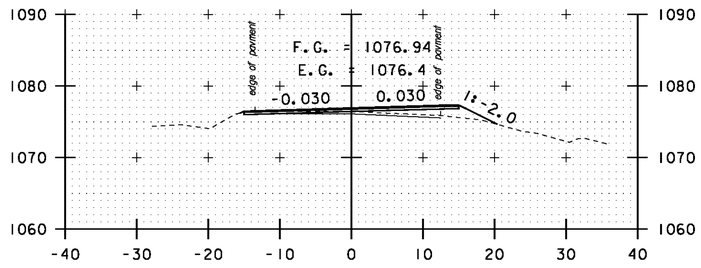

139+50



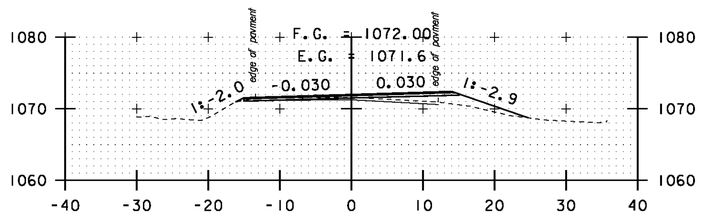

DRIVE LT
139+00



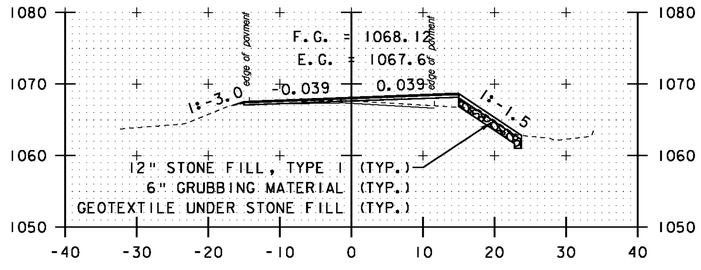

138+50



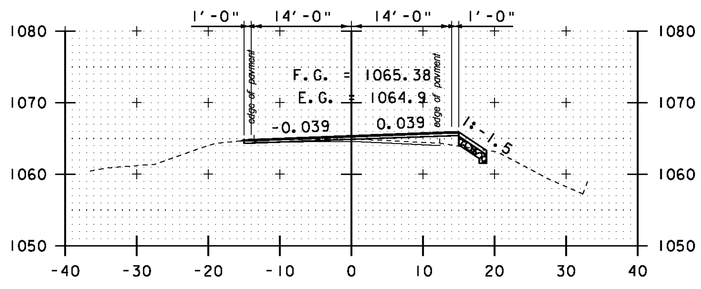

142+00




DRIVE RT
141+50

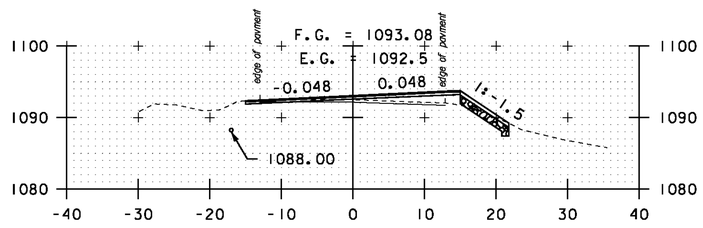


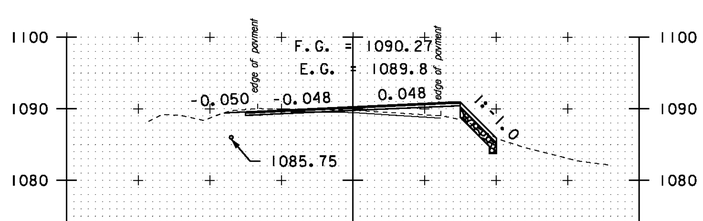

141+00



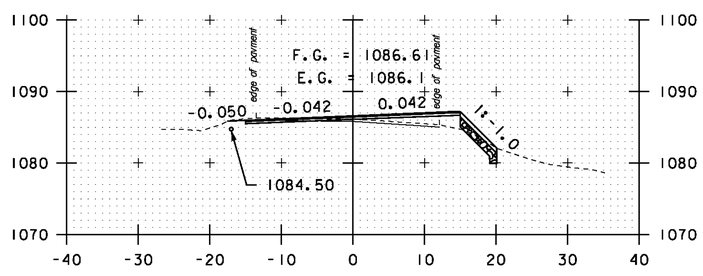

140+50

144+00

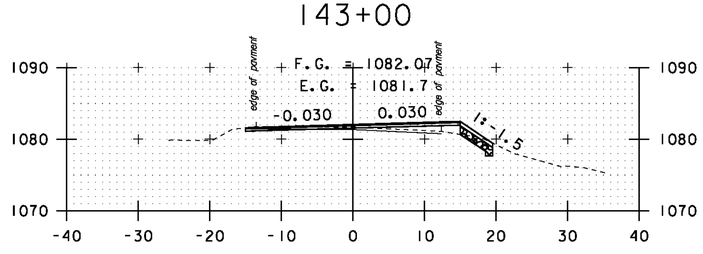



143+50




143+00




142+50

STA. 138+50 TO STA. 144+00

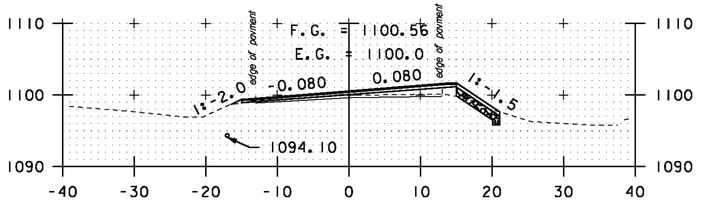
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 27**

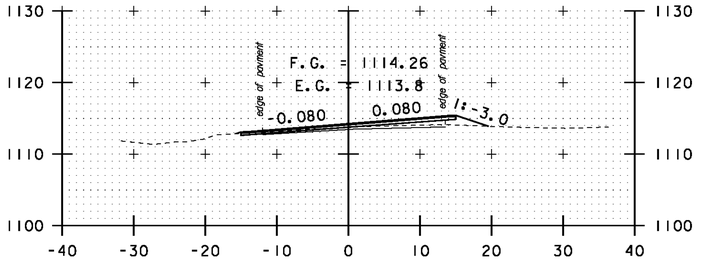
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_141.I

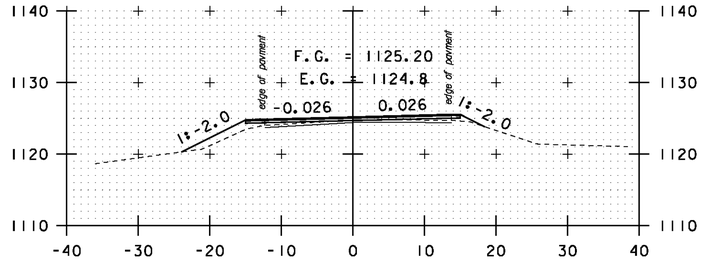
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 141 OF 178



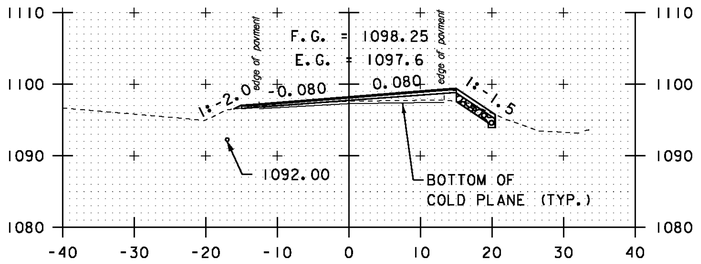

146+00



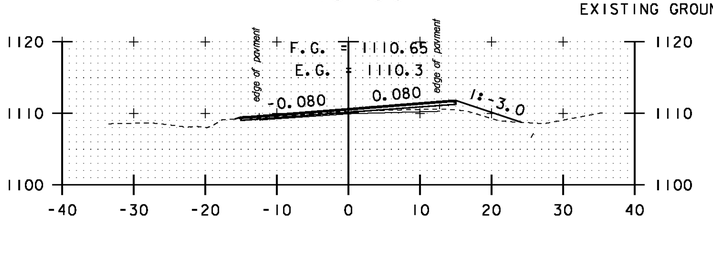

148+00




150+00

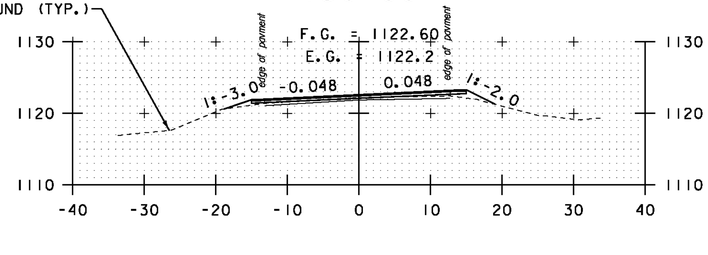



145+50

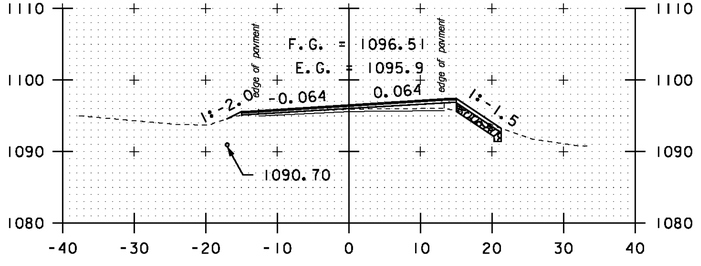



147+50

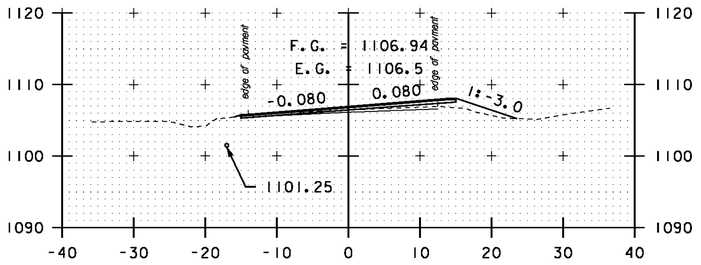
EXISTING GROUND (TYP.)



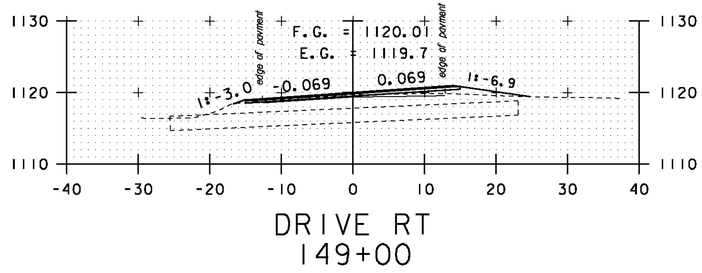

149+50



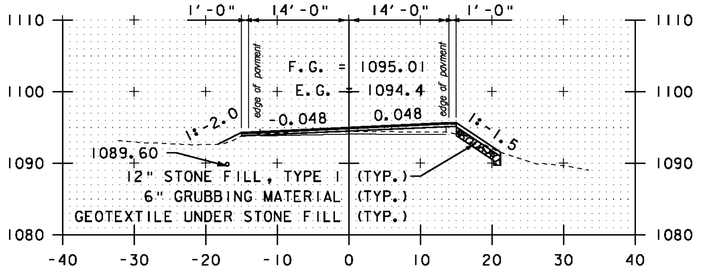

145+00



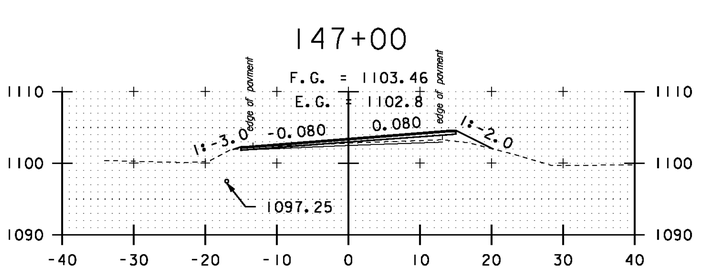

147+50



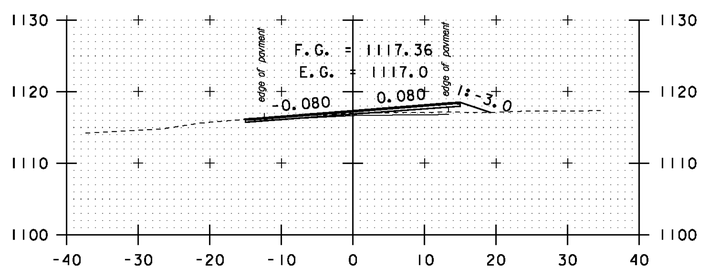

DRIVE RT
149+00




144+50




146+50




148+50

STA. 144+50 TO STA. 150+00

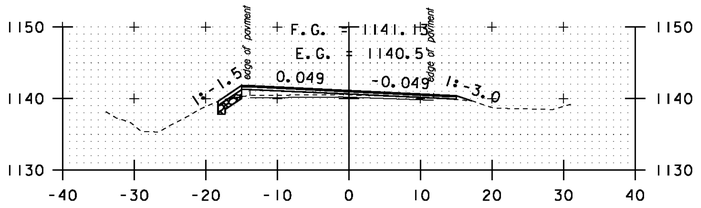
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 28**

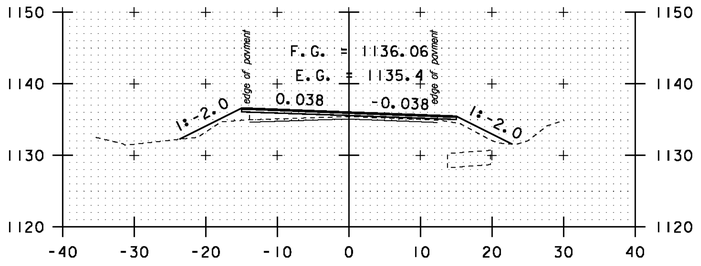
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_142.1

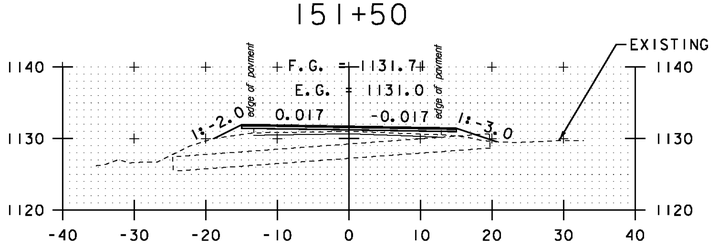
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 142 OF 178



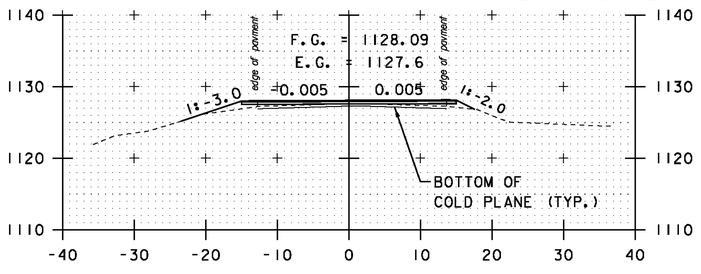

152+00



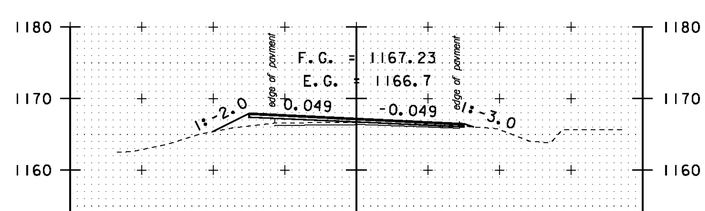

151+50



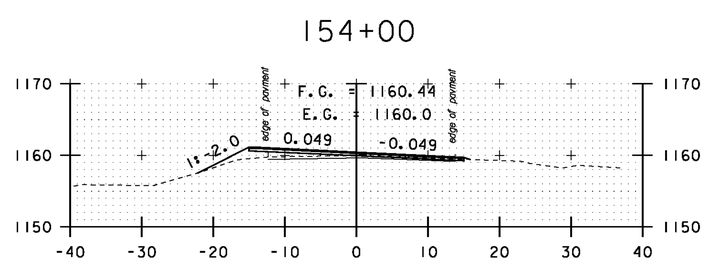

151+00



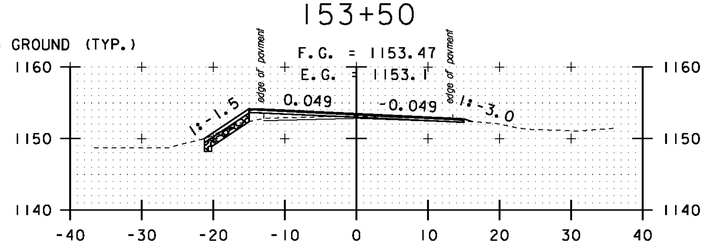

150+50



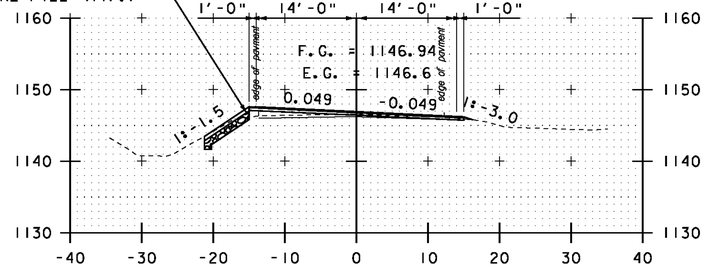

154+00



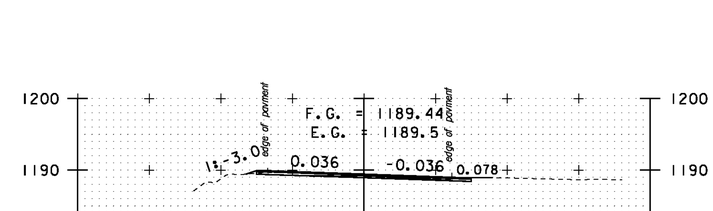

153+50



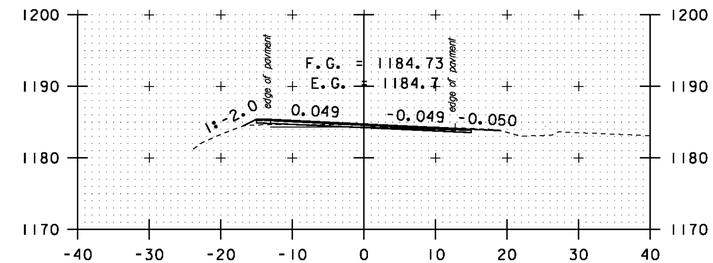

153+00



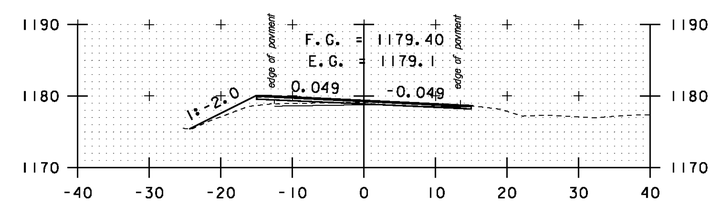

152+50



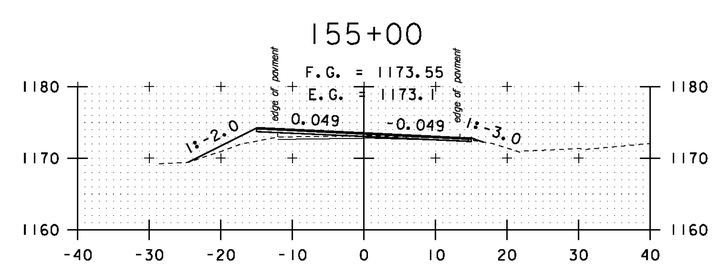

DRIVE RT
156+00




155+50




155+00




154+50

STA. 150+50 TO STA. 156+00

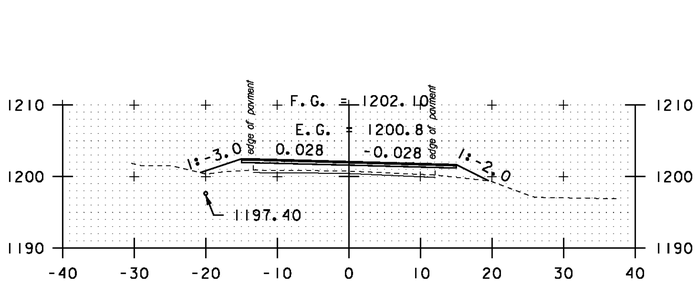
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 29**

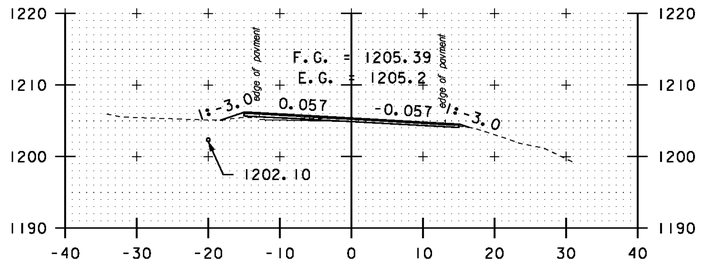
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_143.I

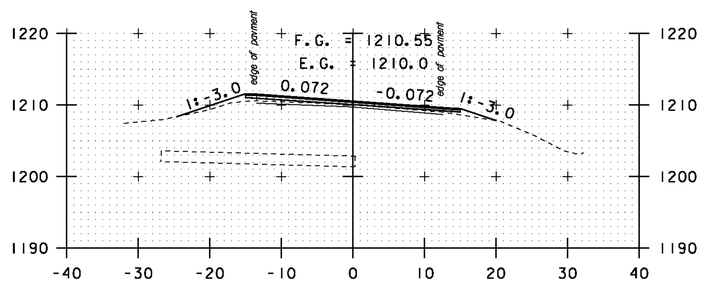
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 143 OF 178



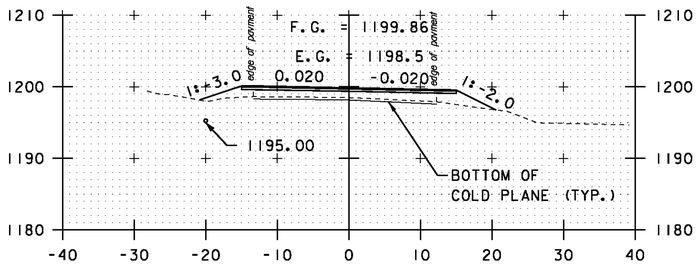

158+00



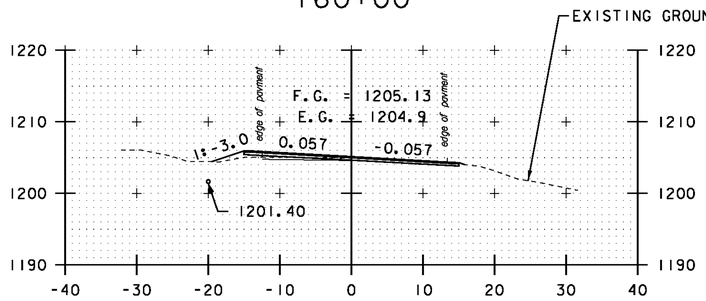

160+00



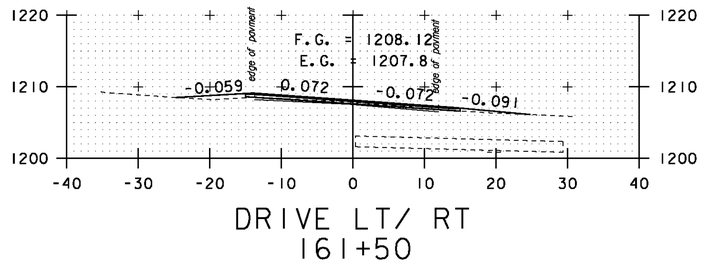

162+00



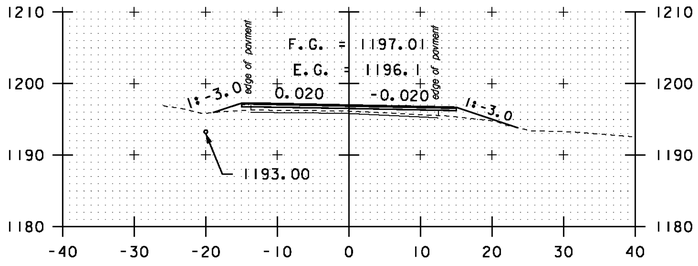

157+50



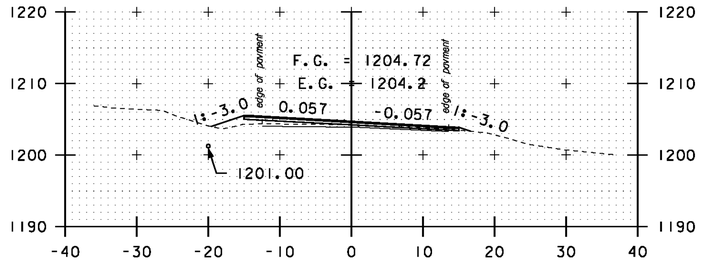

159+50



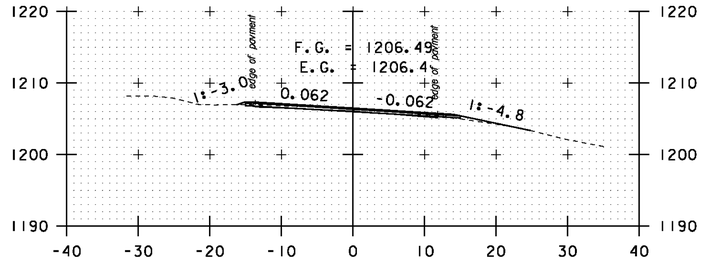

DRIVE LT/ RT
161+50



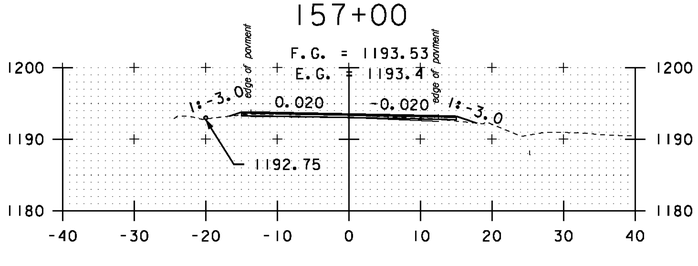

157+50



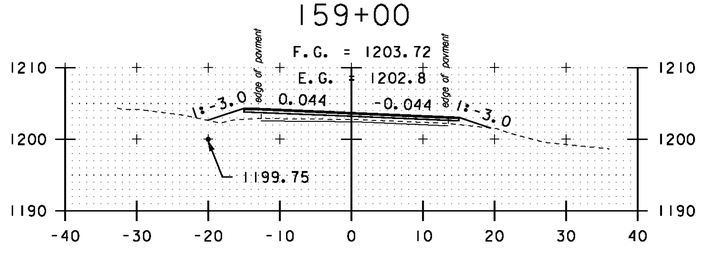

159+50



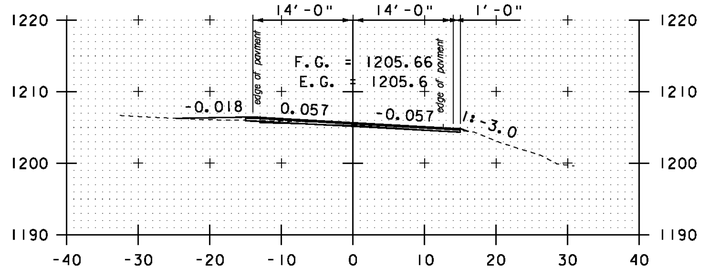

DRIVE RT
161+00




157+00




159+00




DRIVE LT
160+50

156+50

158+50

STA. 156+50 TO STA. 162+00

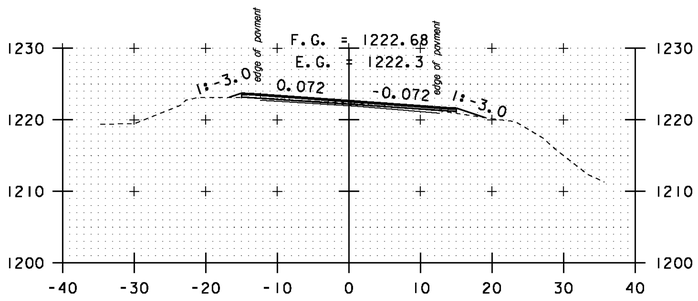
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 30**

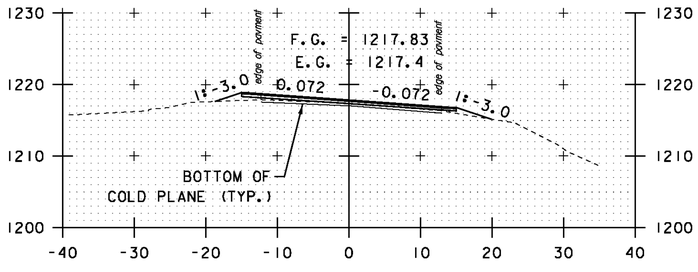
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_144.i

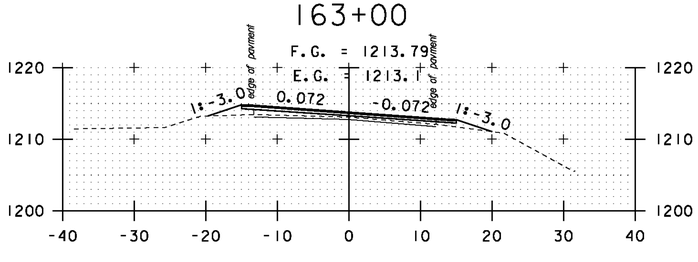
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 144 OF 178




163+50

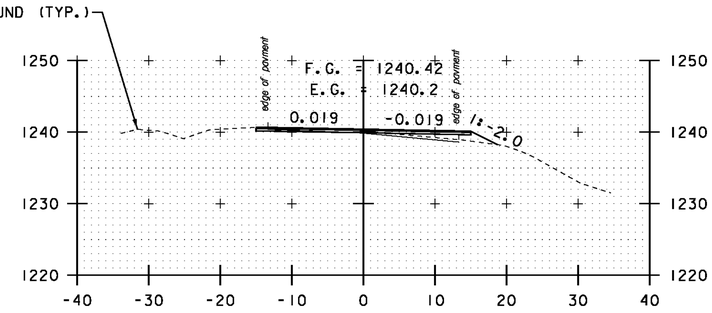



163+00

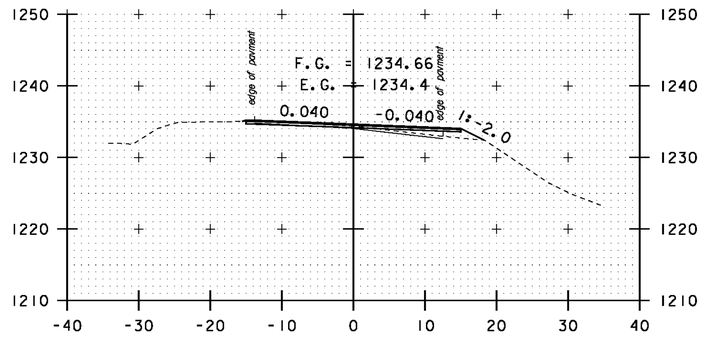



162+50

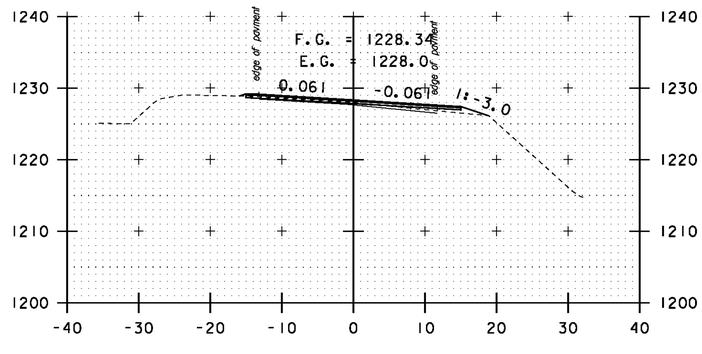
EXISTING GROUND (TYP.)



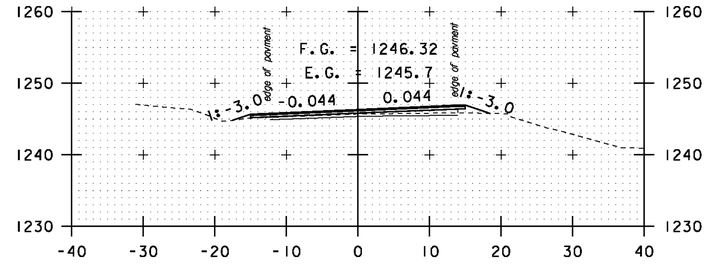

165+00



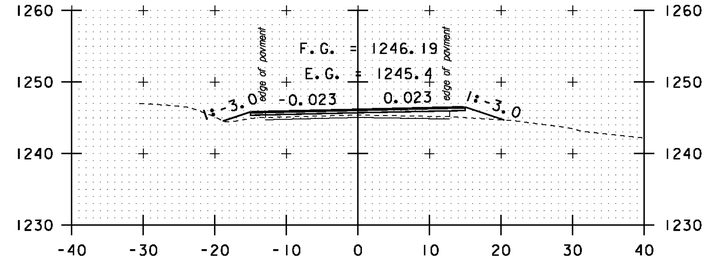

164+50



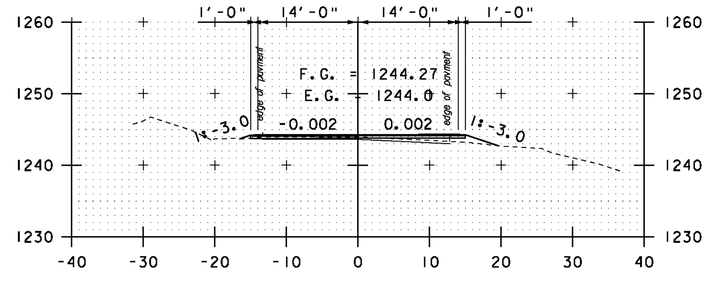

164+00




166+50




166+00




165+50

STA. 162+50 TO STA. 166+50

SCALE 1" = 10'-0

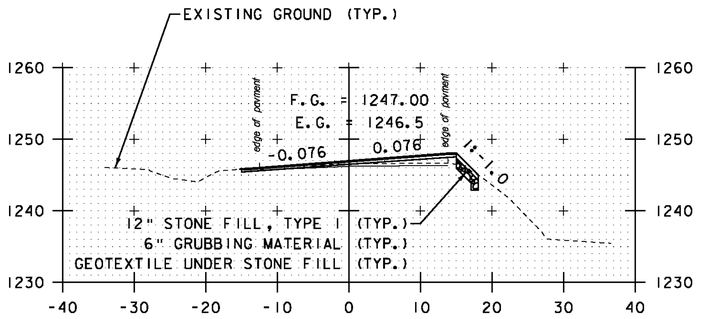
10 0 10

**CROSS SECTION SHEET 31**

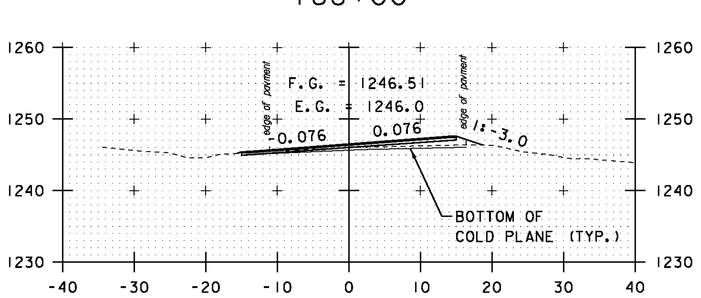
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_145.I

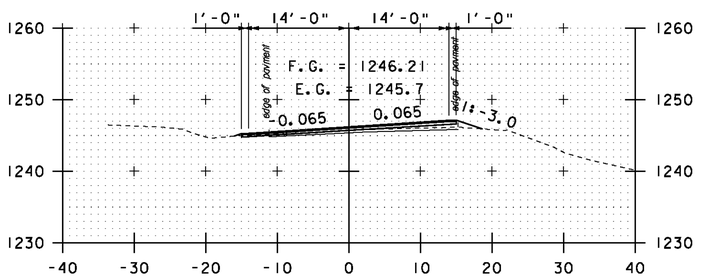
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 145 OF 178



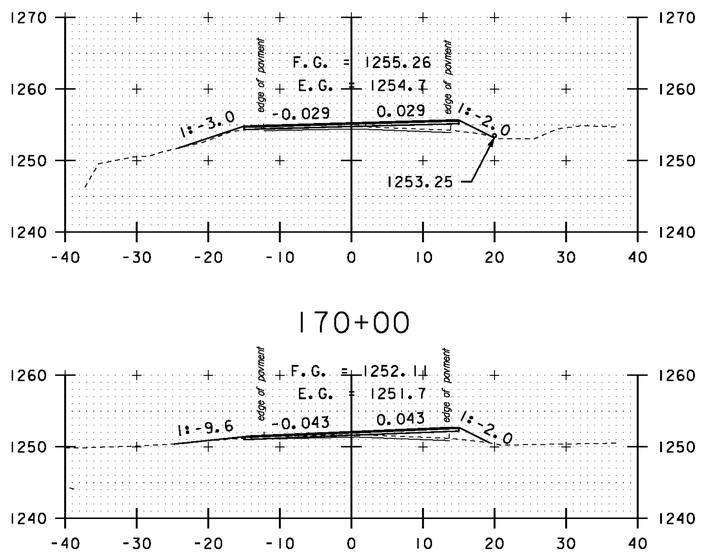

168+00




167+50



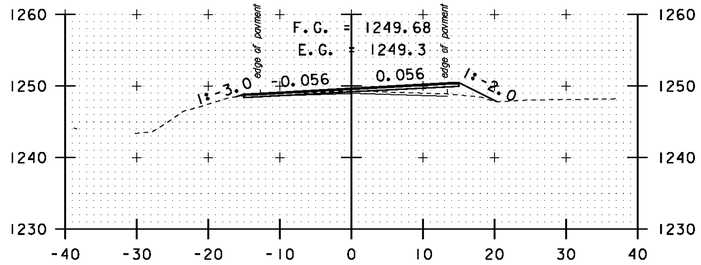

167+00



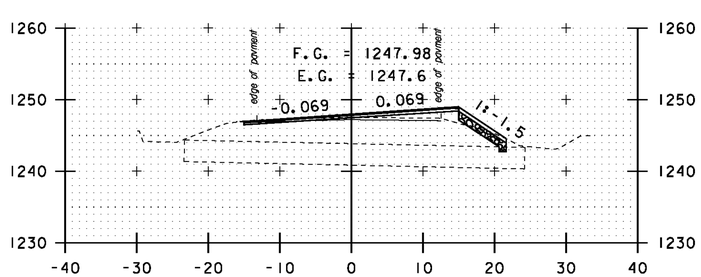

170+00



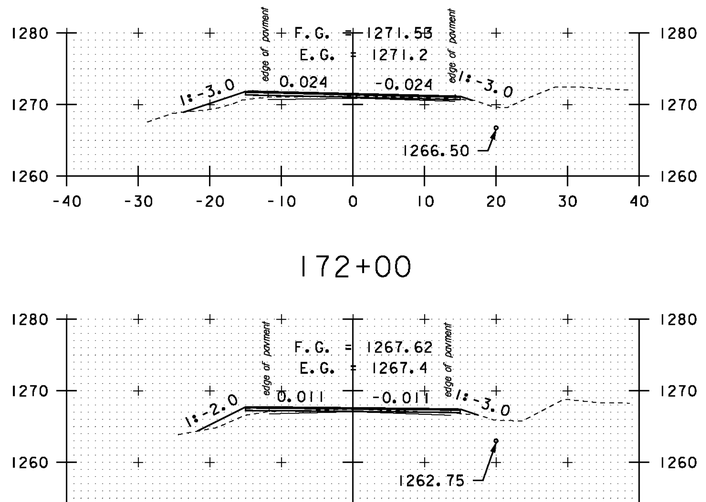

DRIVE LT
169+50




169+00



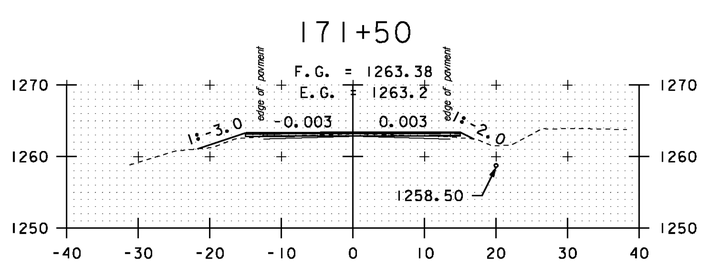

168+50



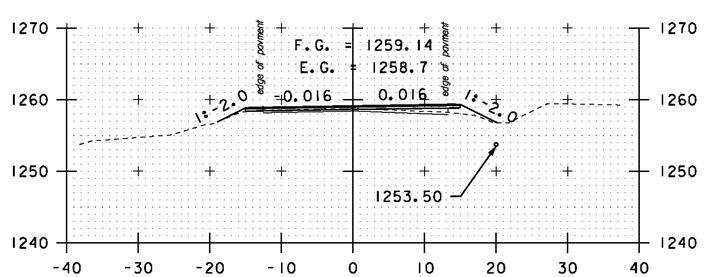

172+00




171+50




171+00




170+50

STA. 167+00 TO STA. 172+00

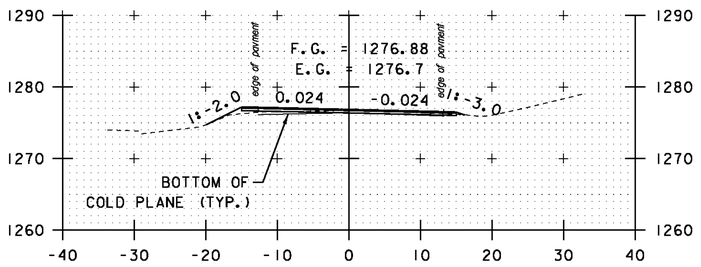
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 32**

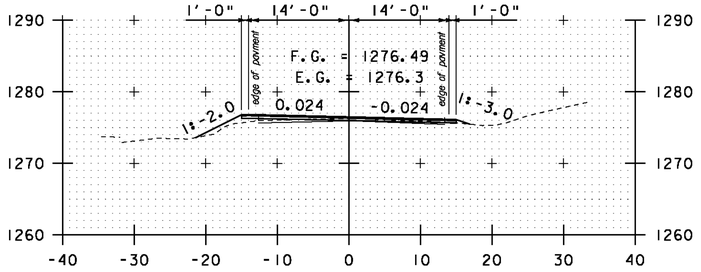
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_146.1

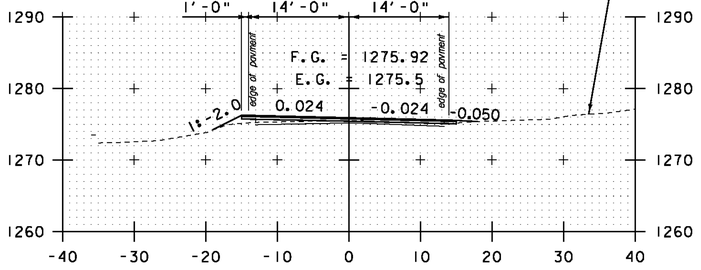
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 146 OF 178



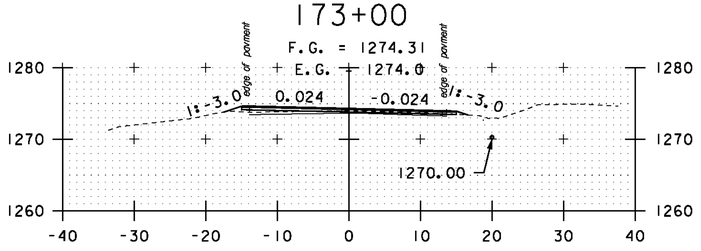

174+00



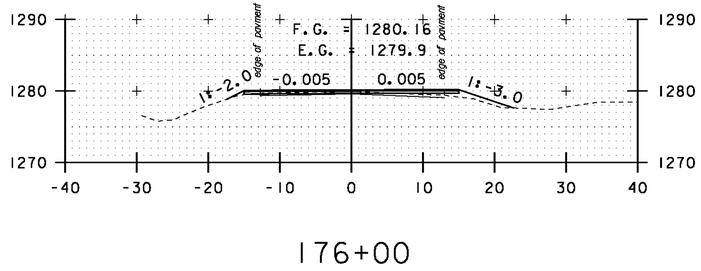

173+50



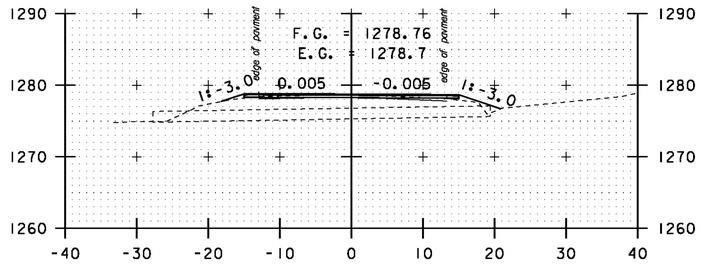

DRIVE RT
173+00



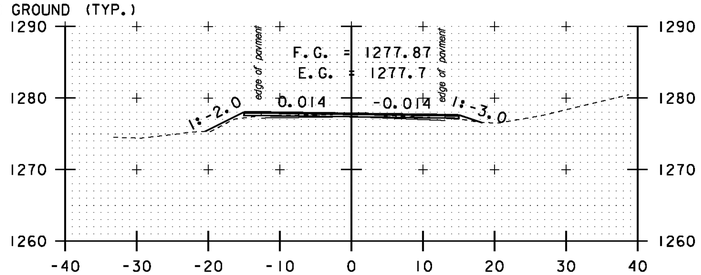

172+50



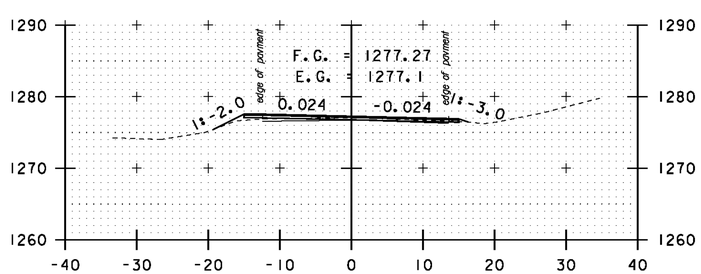

176+00



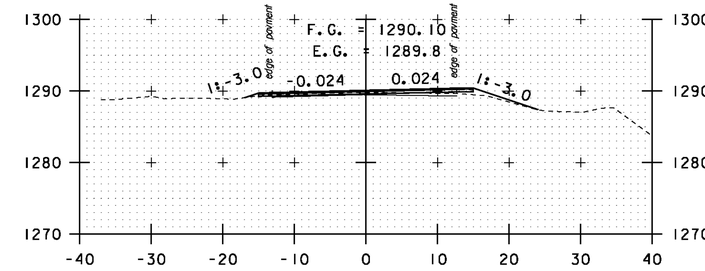

175+50



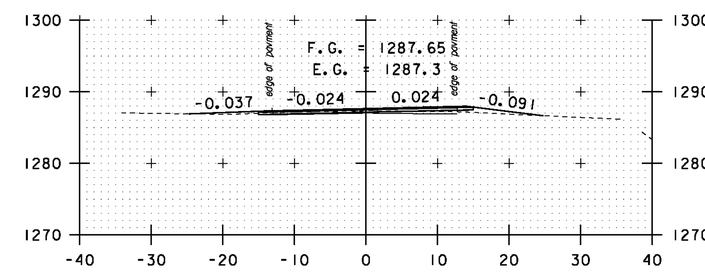

175+00



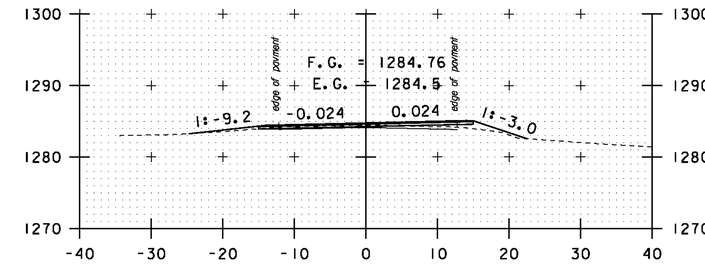

174+50



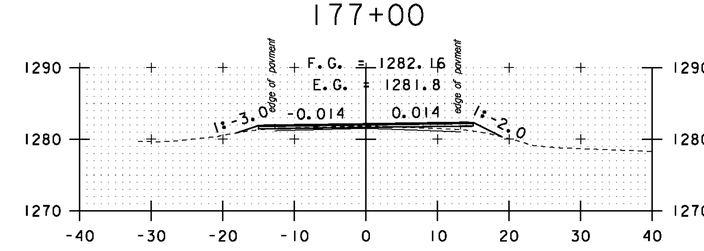

178+00




DRIVE LT/ RT
177+50




DRIVE LT
177+00




176+50

STA. 172+50 TO STA. 178+00

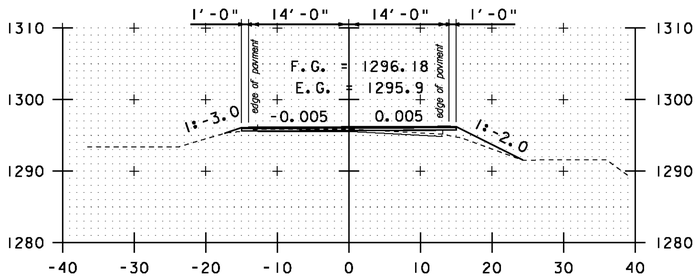
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 33**

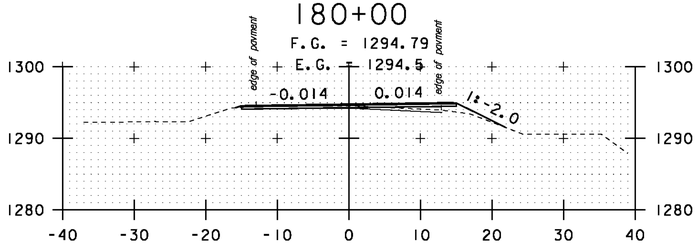
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_147.I

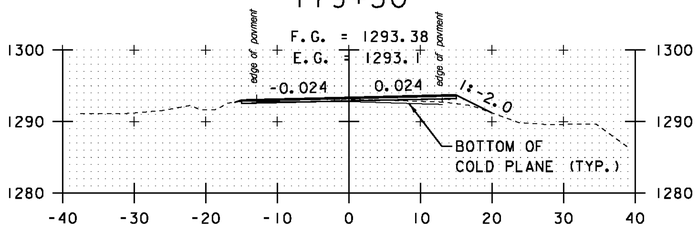
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 147 OF 178



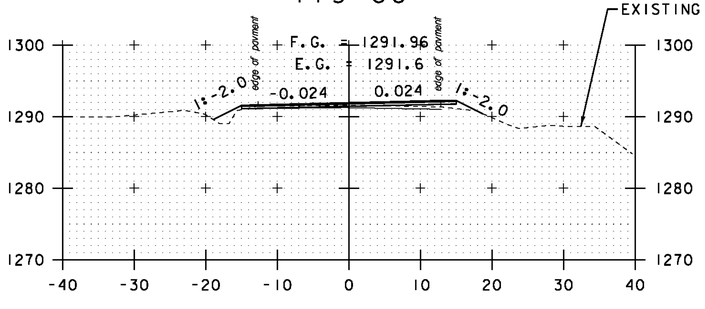

180+00



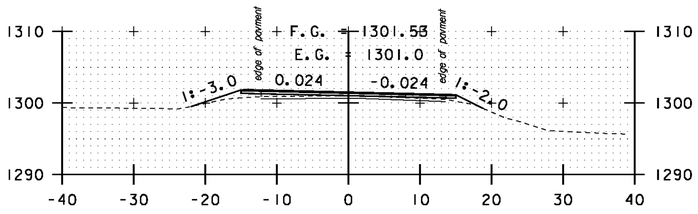

179+50



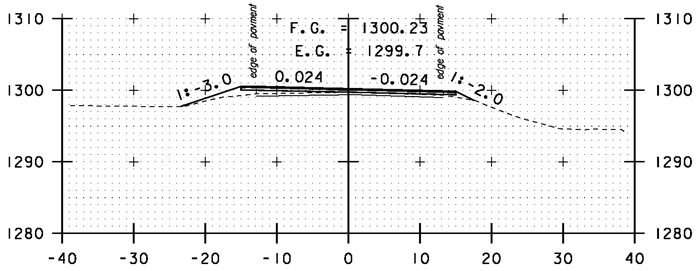

179+00



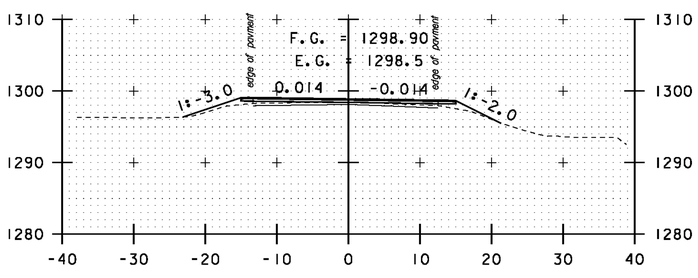

178+50



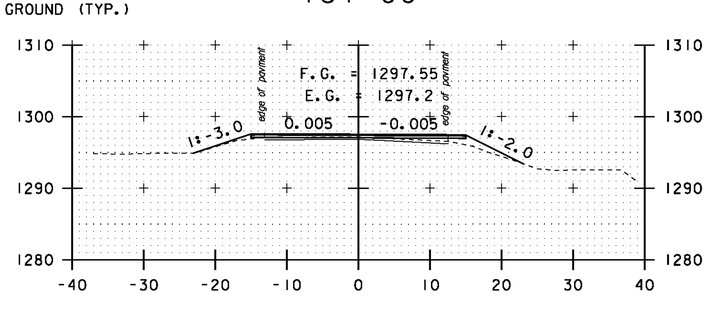

182+00



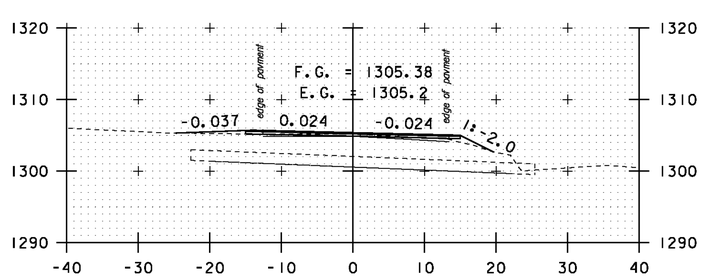

181+50



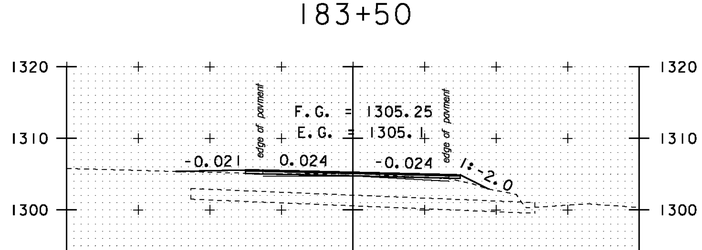

181+00



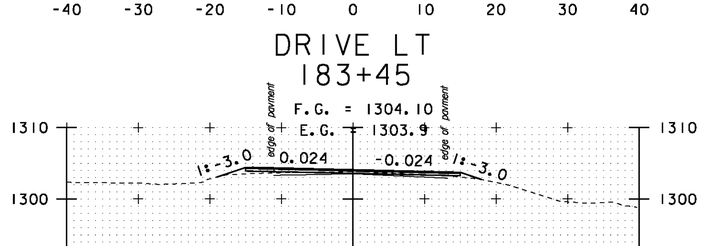

180+50



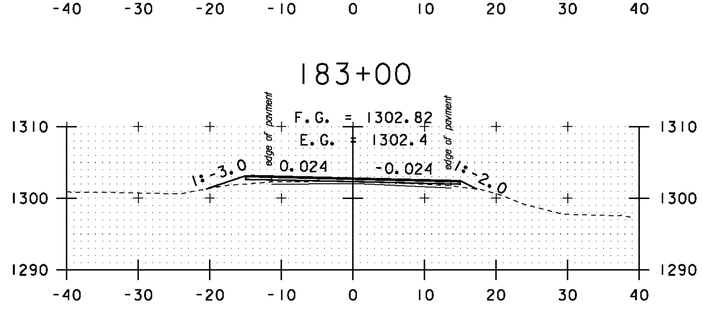

DRIVE LT
183+50




DRIVE LT
183+45




183+00




182+50

STA. 178+50 TO STA. 183+50

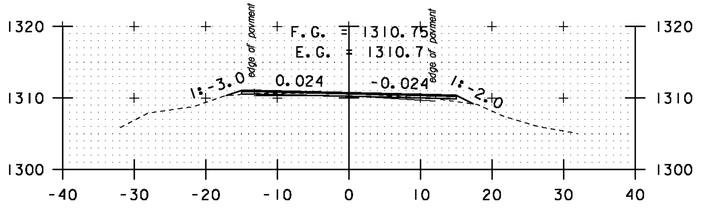
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 34**

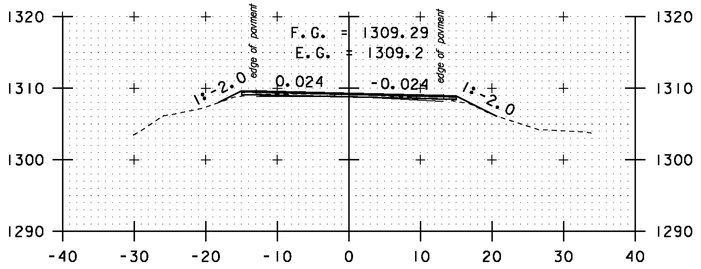
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_148.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 148 OF 178



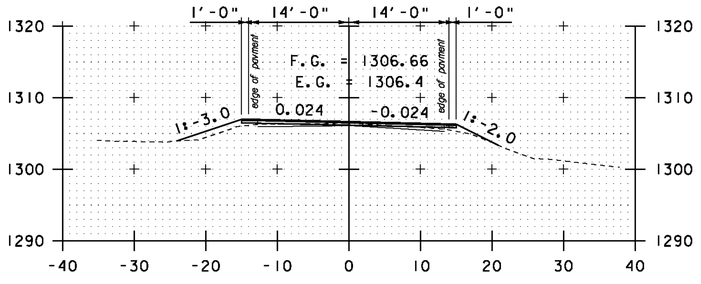

185+50



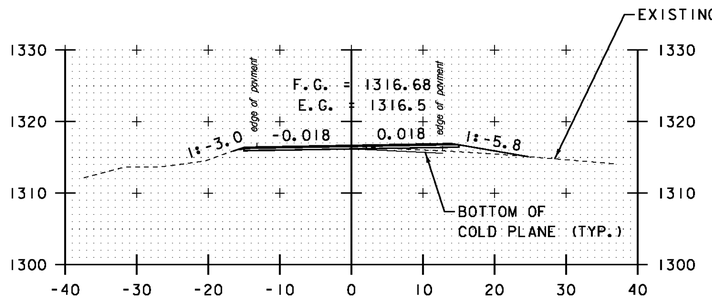

185+00



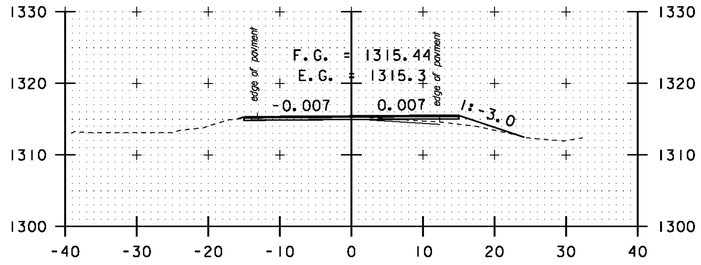

184+50



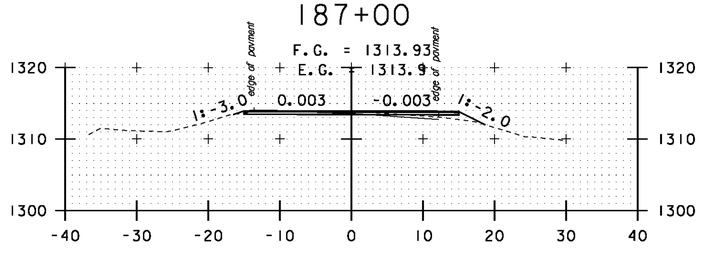

184+00



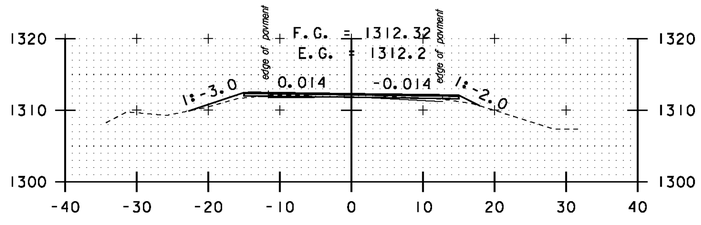

DRIVE RT
187+50



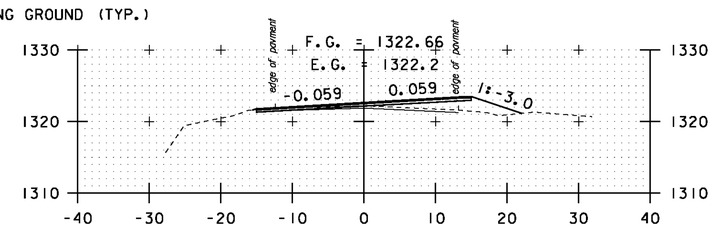

187+00



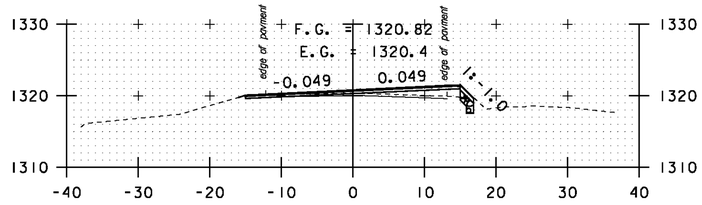

186+50




186+00



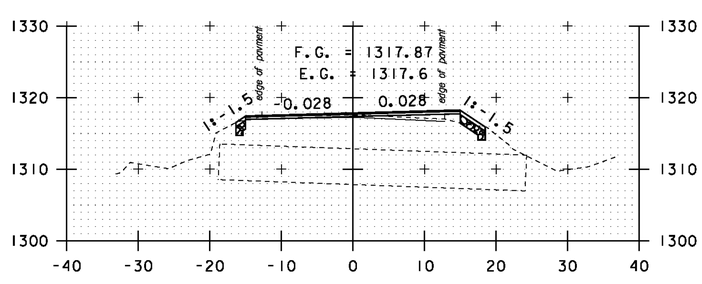

189+50




189+00




188+50




188+00

STA. 184+00 TO STA. 189+50

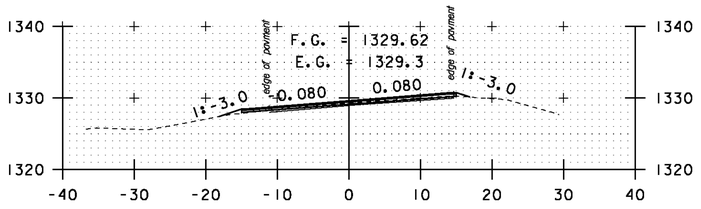
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 35**

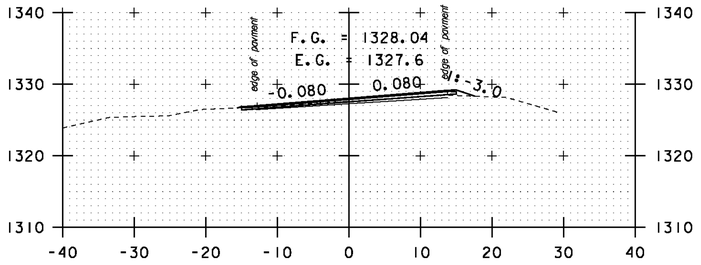
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_149.I

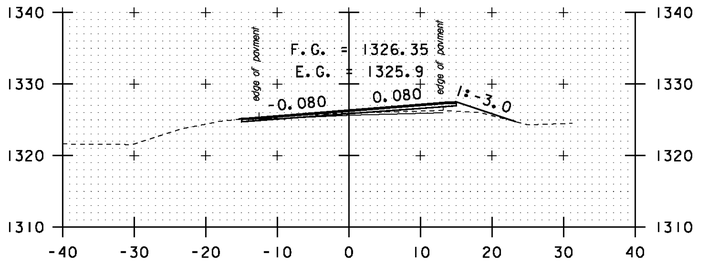
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 149 OF 178



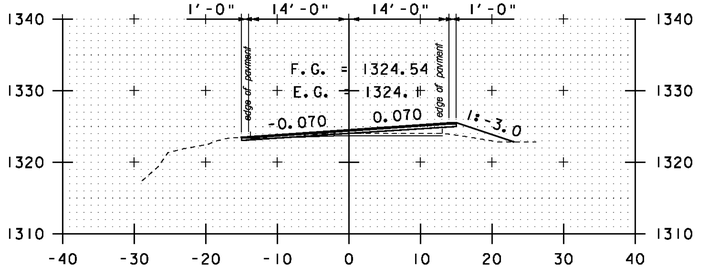

191+50



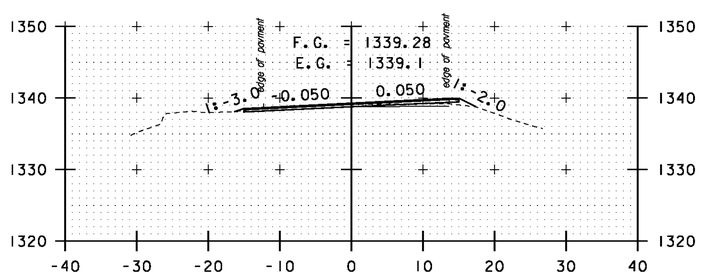

191+00



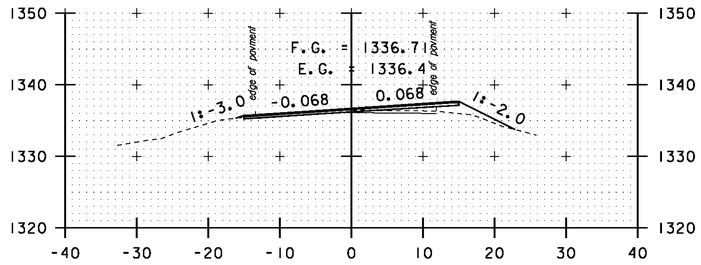

190+50



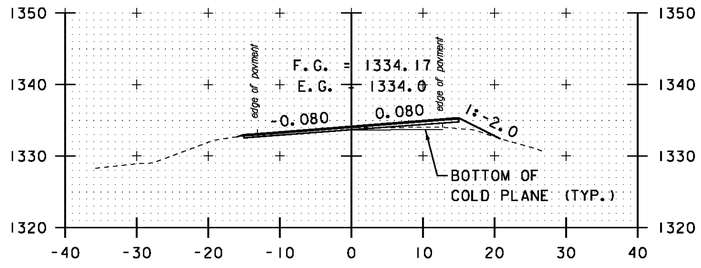

190+00



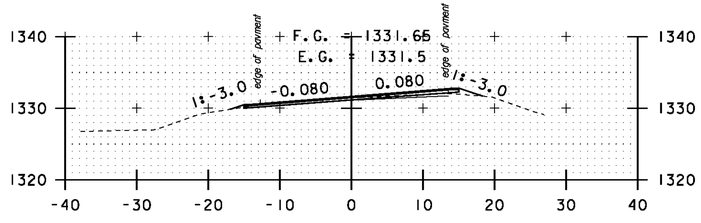

193+50



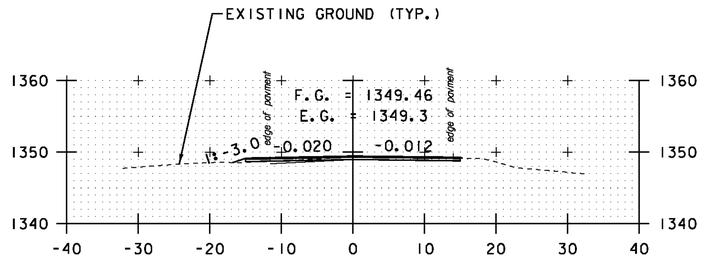

193+00



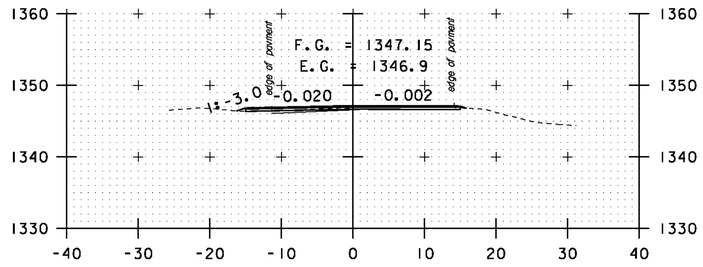

192+50



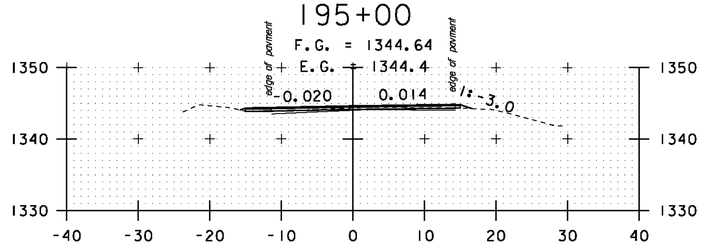

192+00



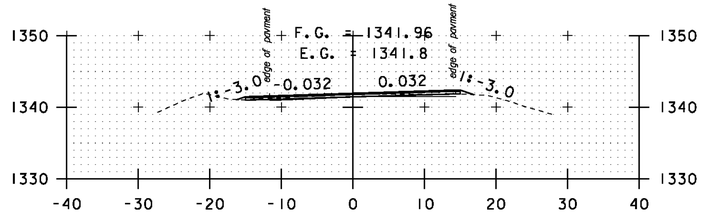

195+50




195+00




194+50




194+00

STA. 190+00 TO STA. 195+50

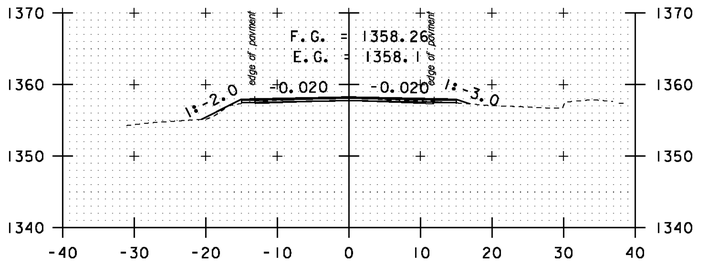
SCALE 1" = 10'-0
10 0 10

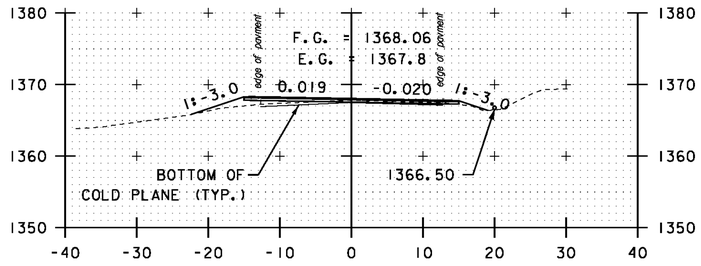
**CROSS SECTION SHEET 36**

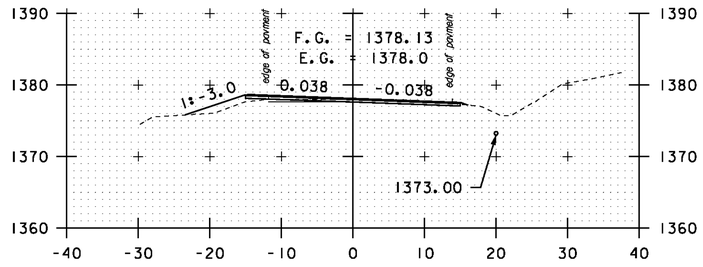
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_150.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 150 OF 178

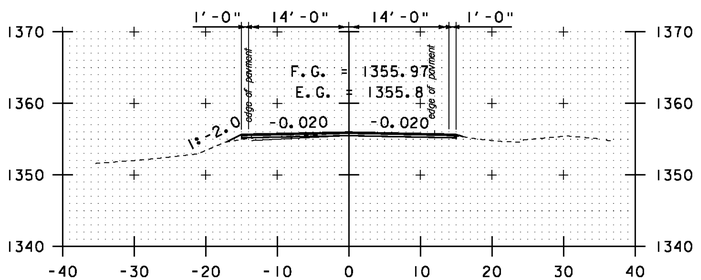


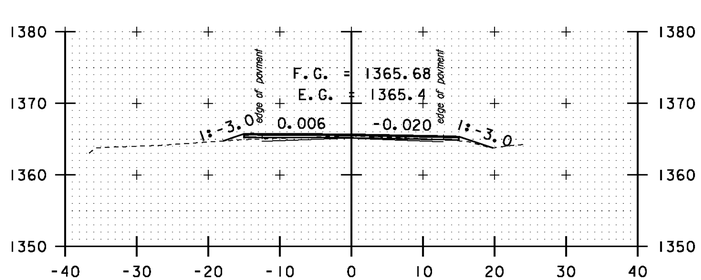



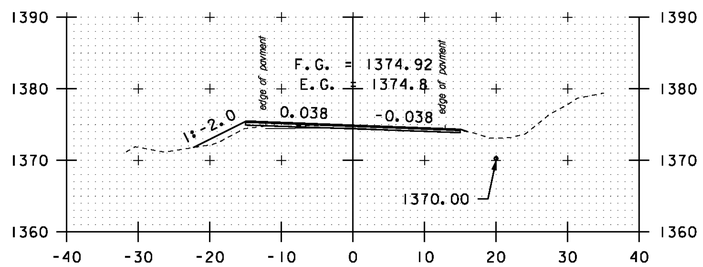

A 0+50

197+50

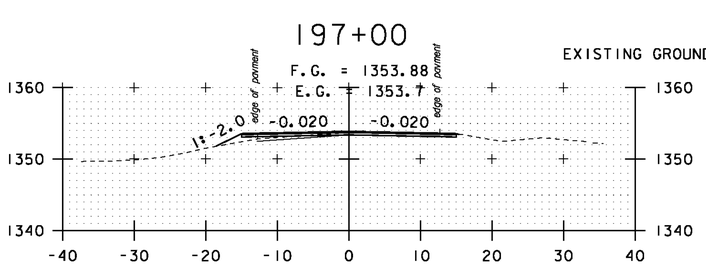



199+50



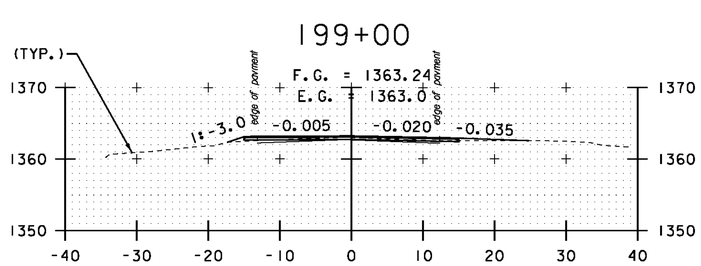




A 0+00

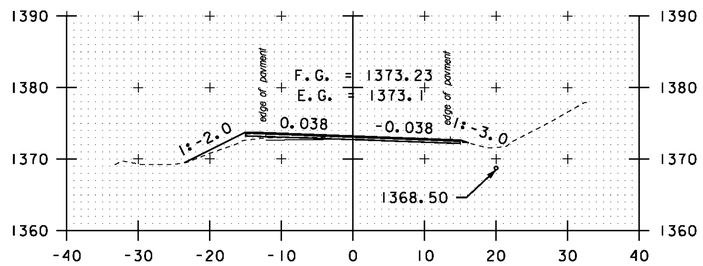



197+00

EXISTING GROUND (TYP.)

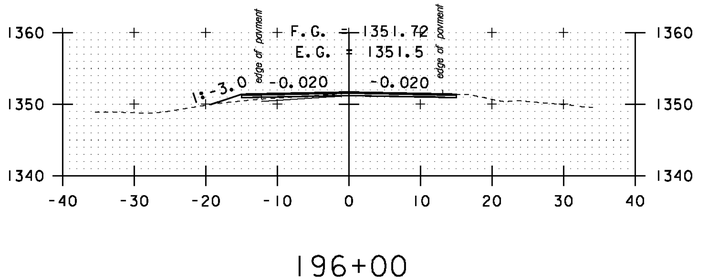



199+00

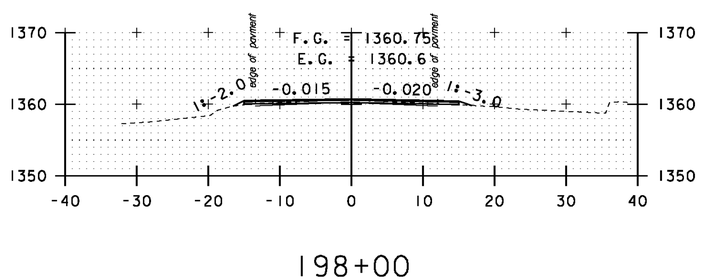



A 0+50

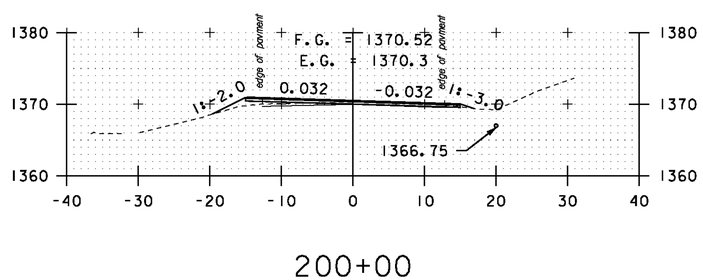
196+50




DRIVE RT
198+50




200+50




196+00

198+00

200+00

STA. 196+00 TO STA. A 0+50

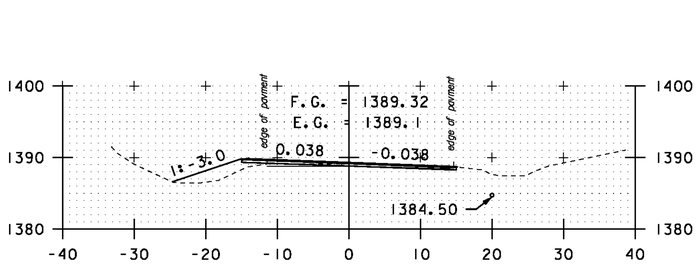
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 37**

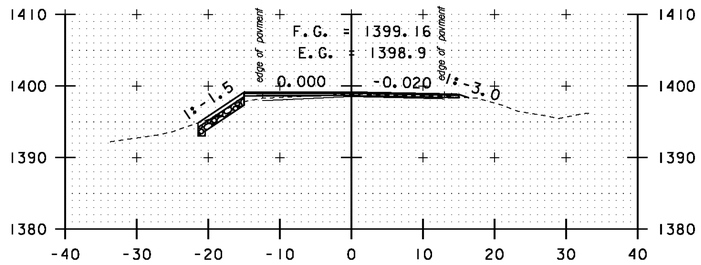
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_151.I

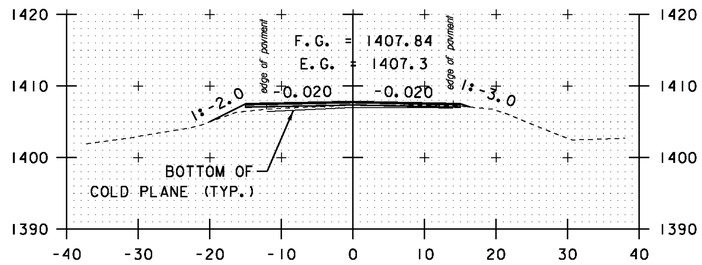
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 151 OF 178



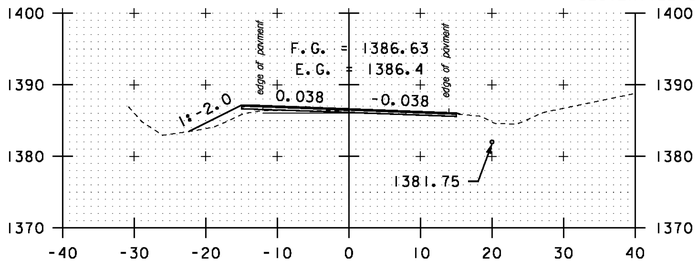

A 2+50




A 4+50

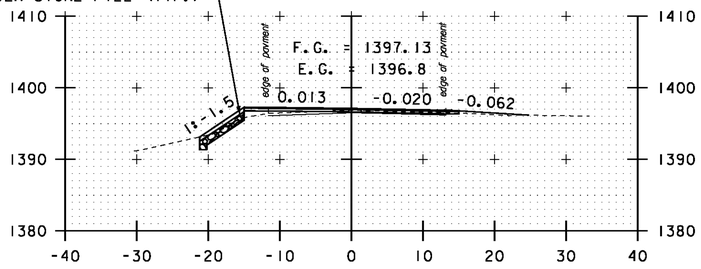



A 6+50

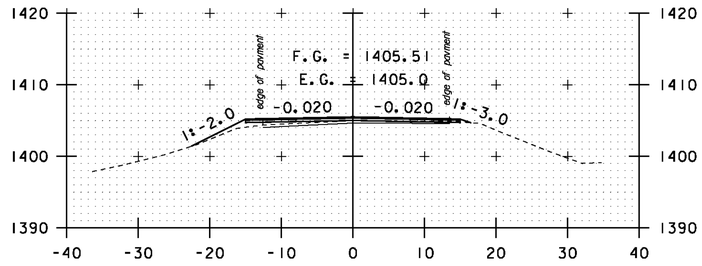



A 2+00

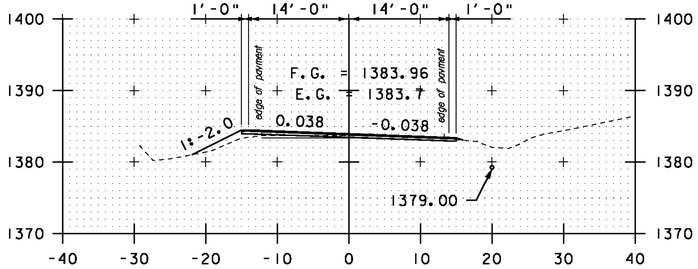
12" STONE FILL, TYPE I (TYP.)
6" GRUBBING MATERIAL (TYP.)
GEOTEXTILE UNDER STONE FILL (TYP.)




DRIVE RT
A 4+00

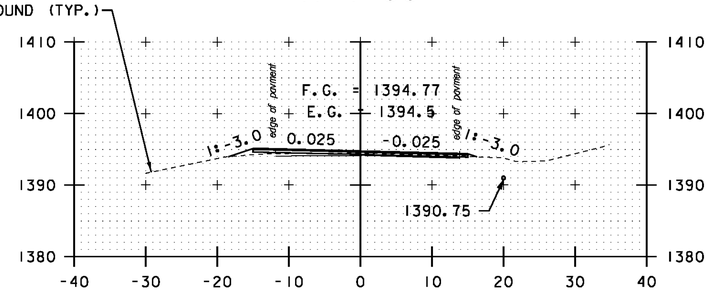



A 6+00

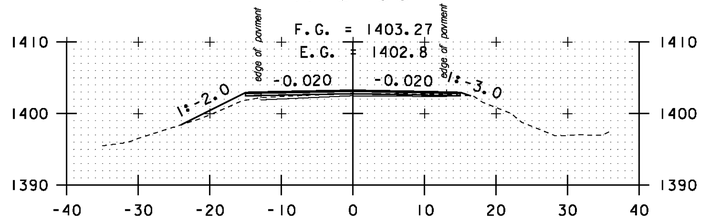



A 1+00

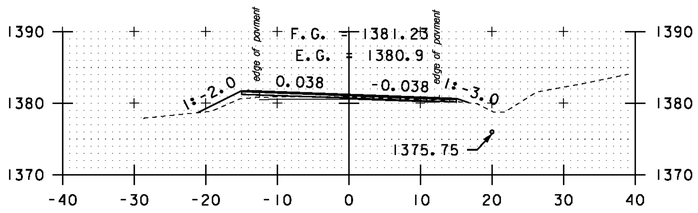
EXISTING GROUND (TYP.)



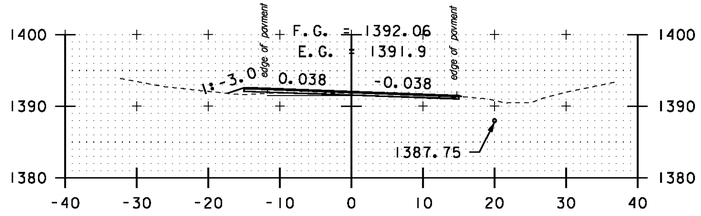

A 3+00



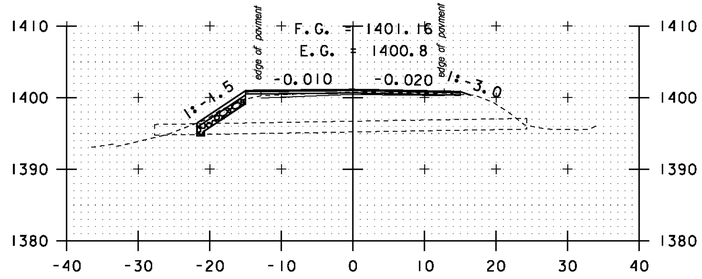

A 5+00




A 1+50




A 3+50




A 5+50

STA. A 1+00 TO STA. A 6+50

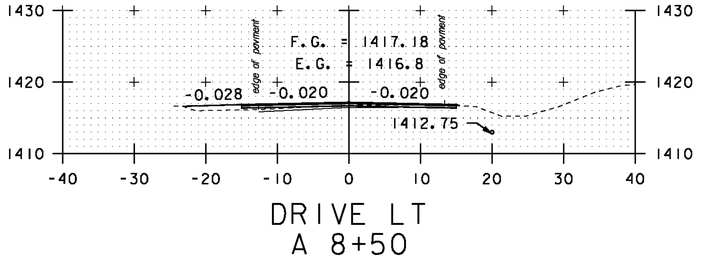
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 38**

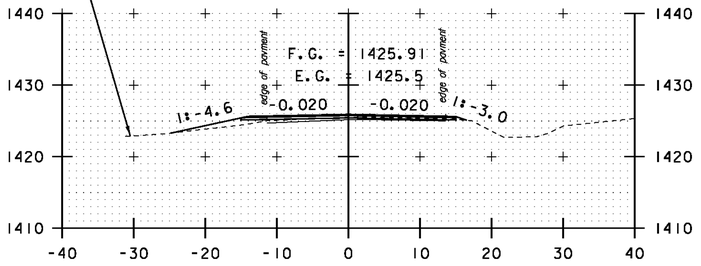
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_152.i

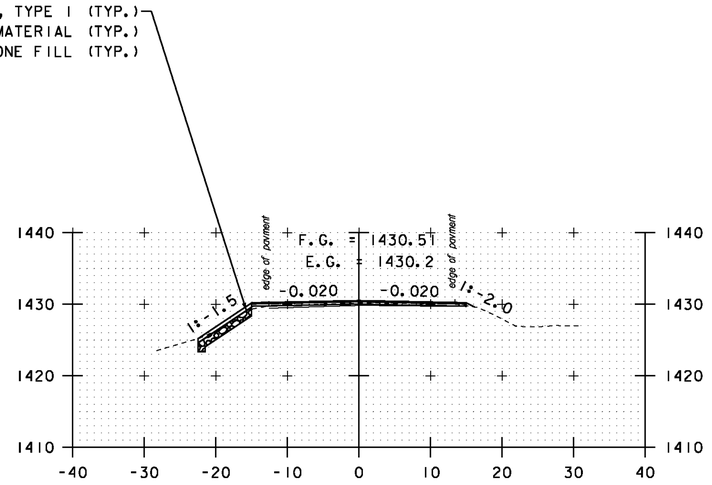
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 152 OF 178



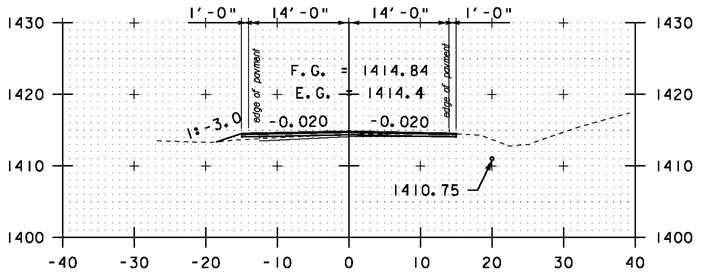

DRIVE LT
A 8+50



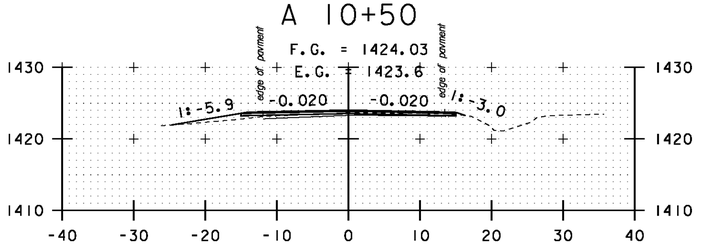

DRIVE LT
A 10+50



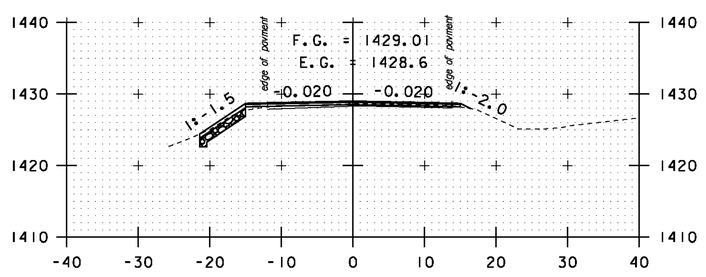

A 12+00



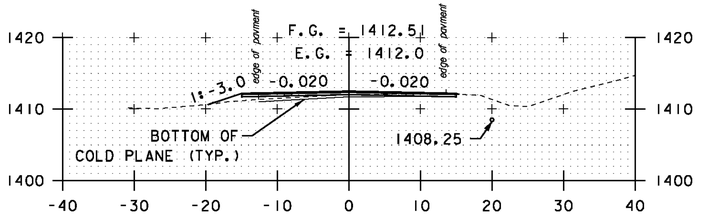

A 8+00



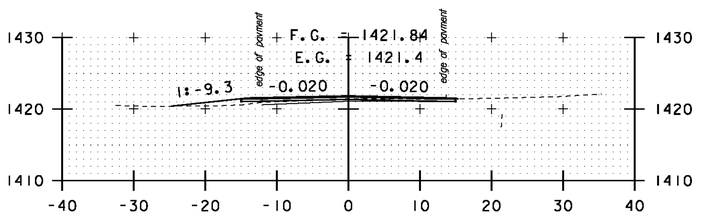

DRIVE LT
A 10+00



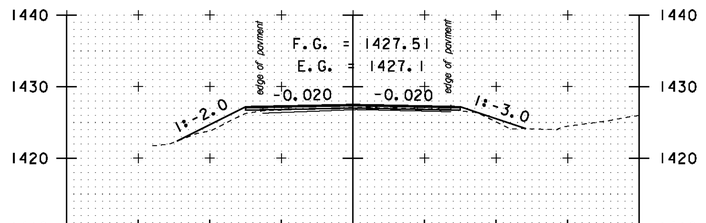

A 11+50



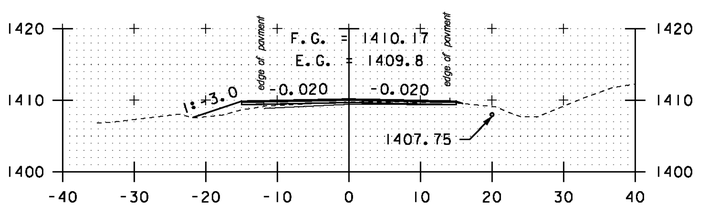

A 7+50



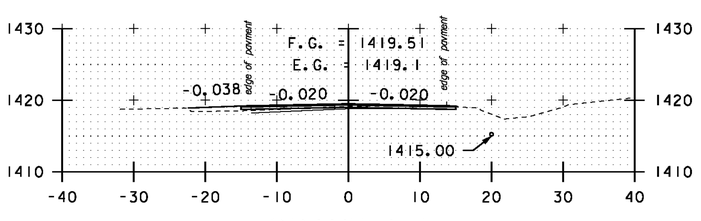

DRIVE LT
A 9+50




A 11+00




A 7+00




DRIVE LT
A 9+00

STA. A 7+00 TO STA. A 12+00

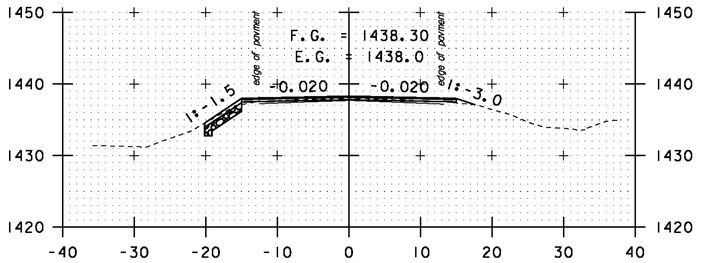
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 39**

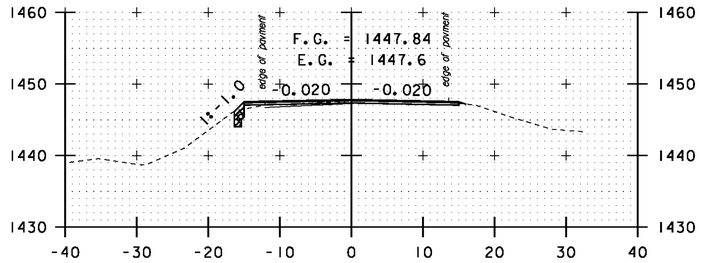
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_153.I

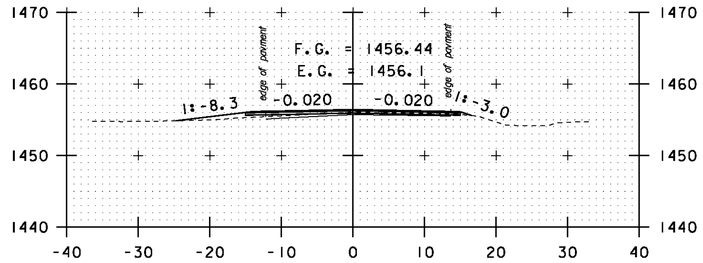
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 153 OF 178



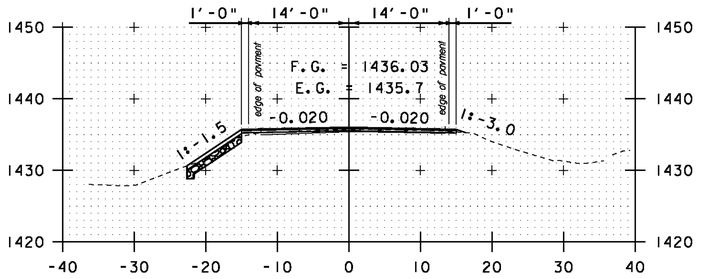

A 14+00



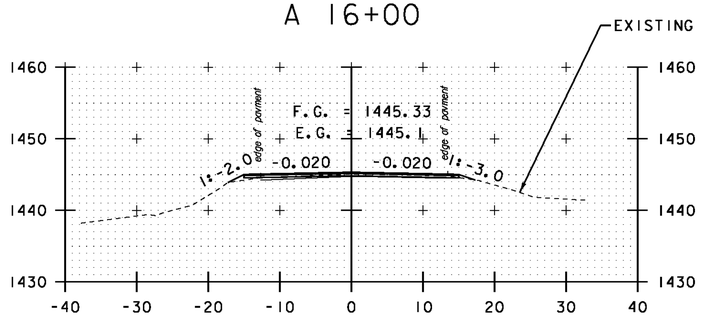

A 16+00



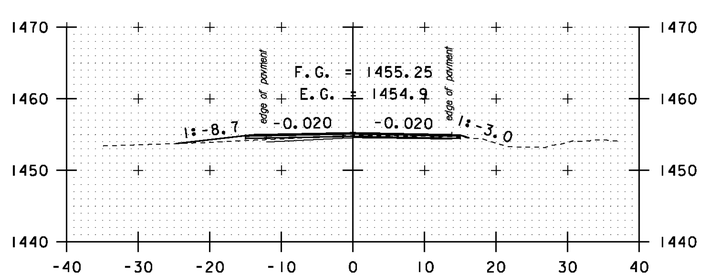

DRIVE LT
A 17+81



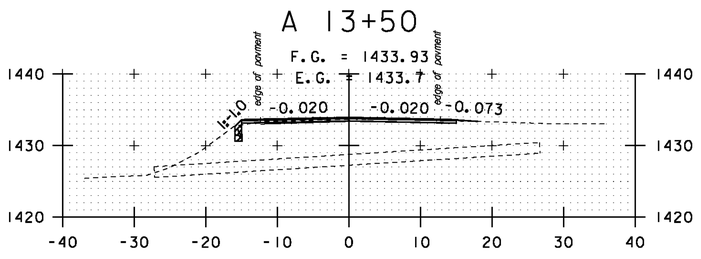

A 13+50



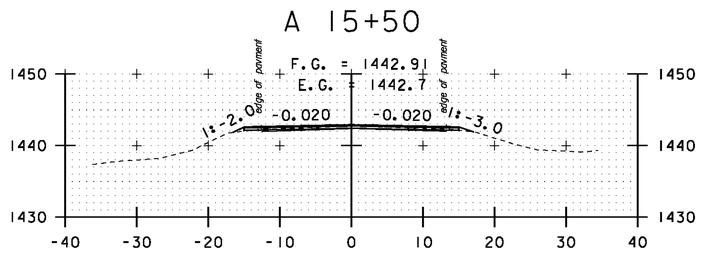

A 15+50



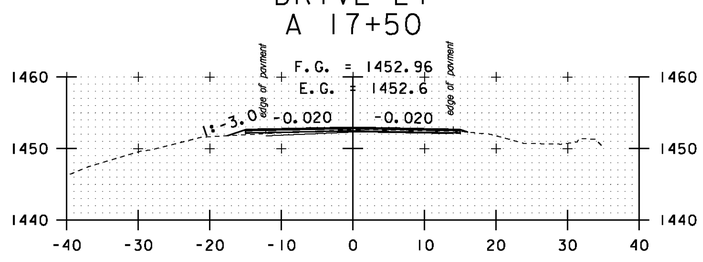

DRIVE LT
A 17+50



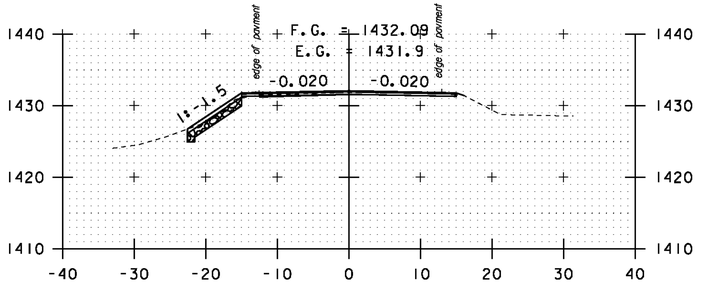

A 13+50



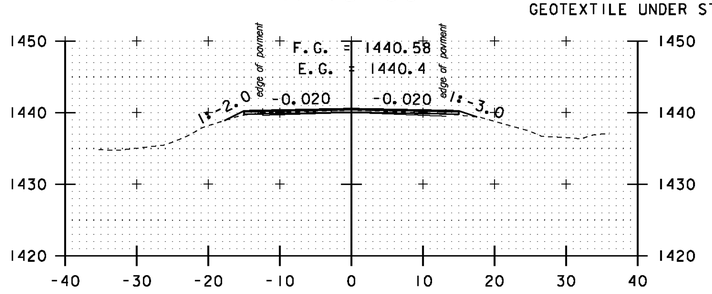

A 15+50



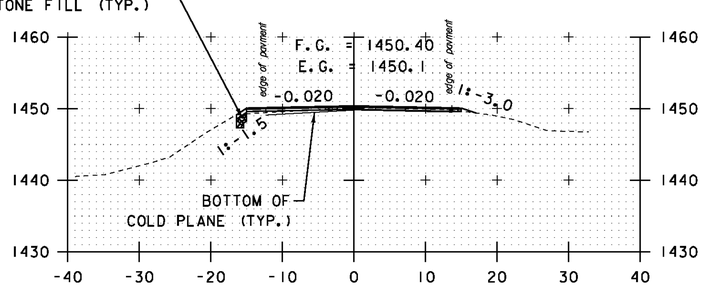

DRIVE LT
A 17+50




DRIVE RT
A 13+00




A 15+00




A 17+00

A 12+50

A 14+50

A 16+50

STA. A 12+50 TO STA. A 17+81

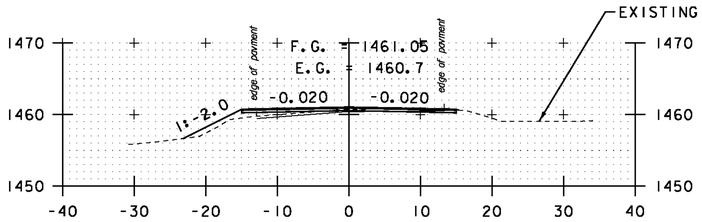
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 40**

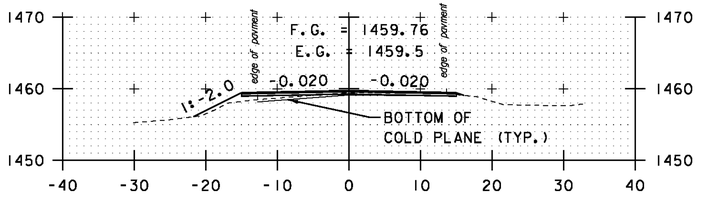
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_154.i

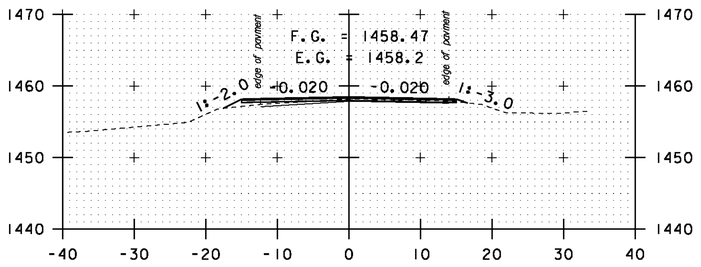
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 154 OF 178



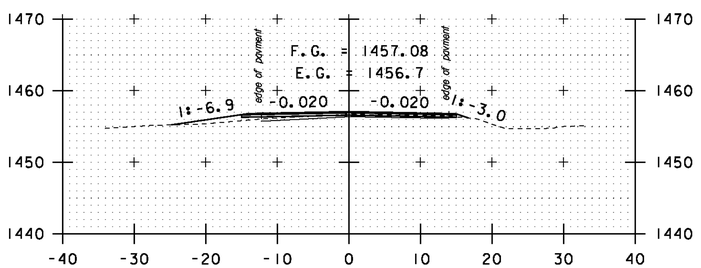

A 19+50



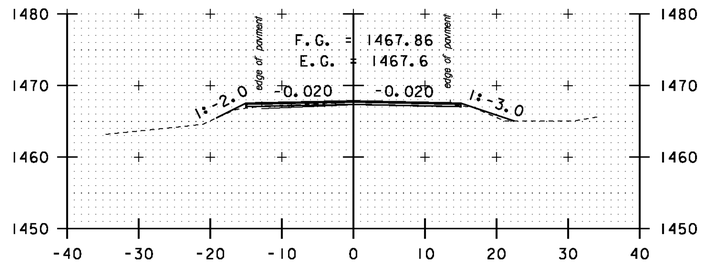

A 19+00



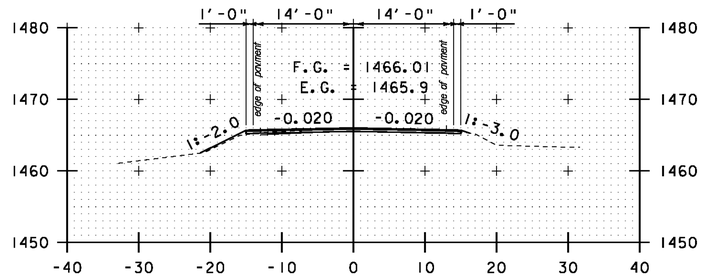

A 18+50



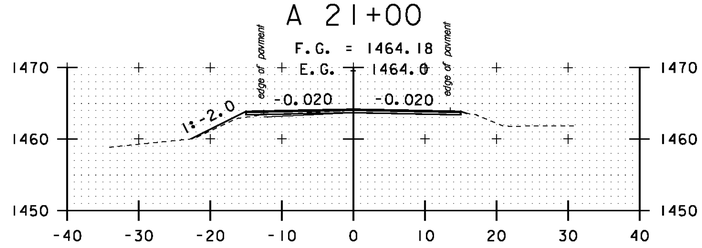

DRIVE LT
A 18+00



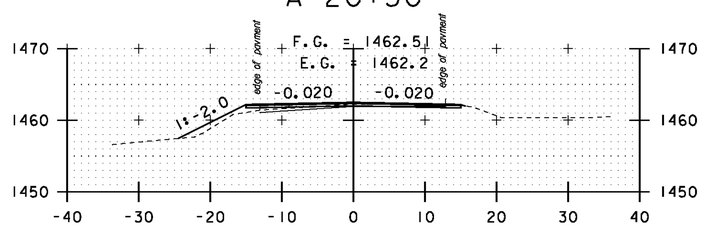

A 21+50



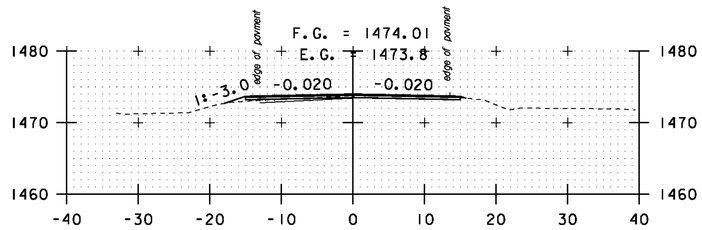

A 21+00



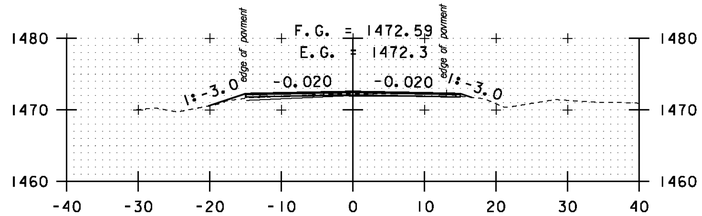

A 20+50



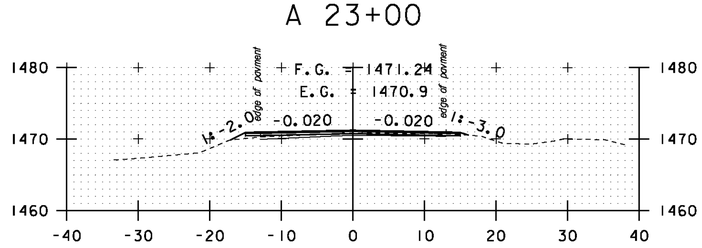

A 20+00



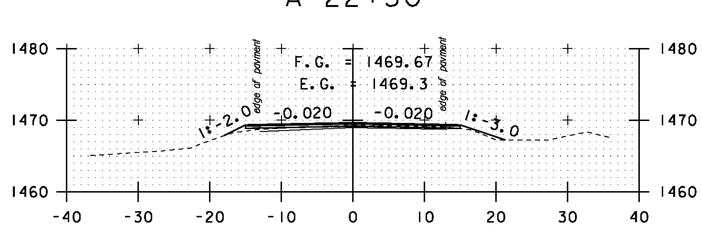

A 23+50




A 23+00




A 22+50




A 22+00

STA. A 18+00 TO STA. A 23+50

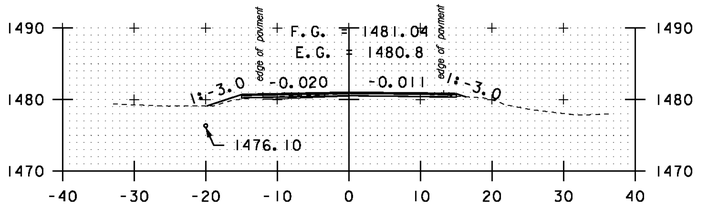
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 41**

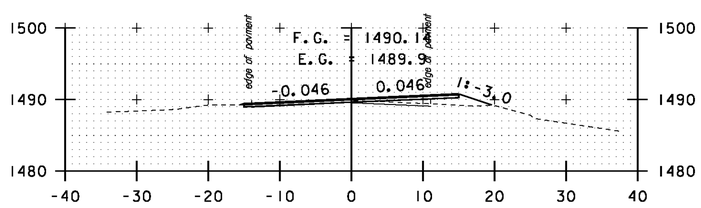
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_155.I

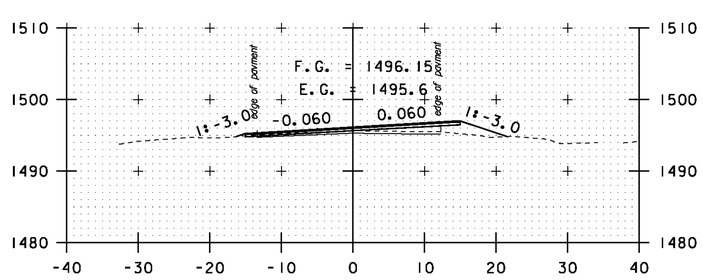
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 155 OF 178



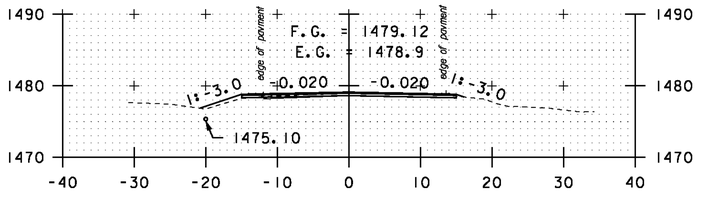

A 25+50



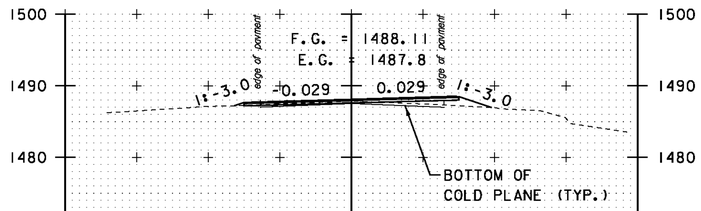

A 27+50



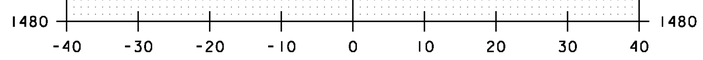

A 29+50

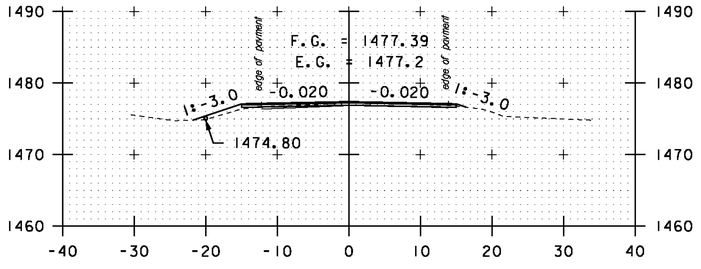



A 25+00

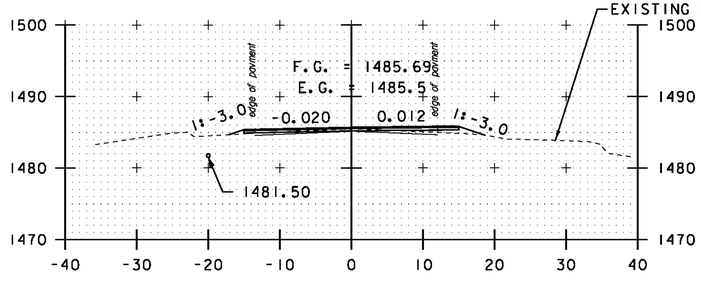



A 27+00

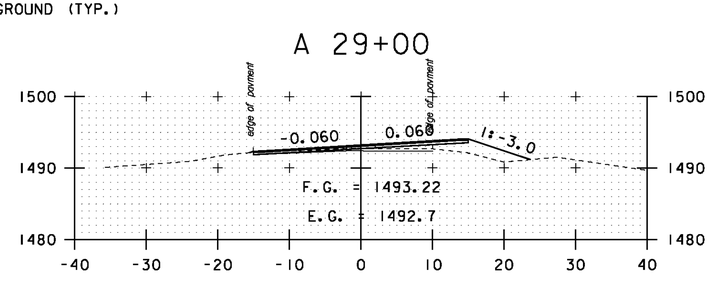


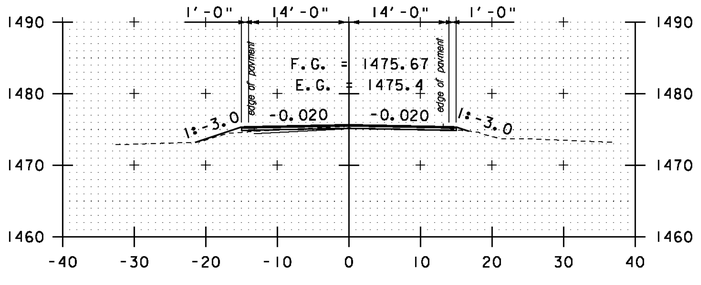

A 24+00



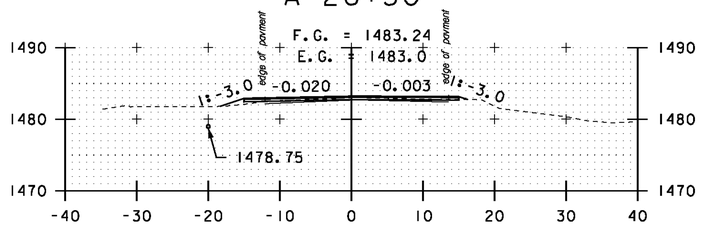

A 26+00



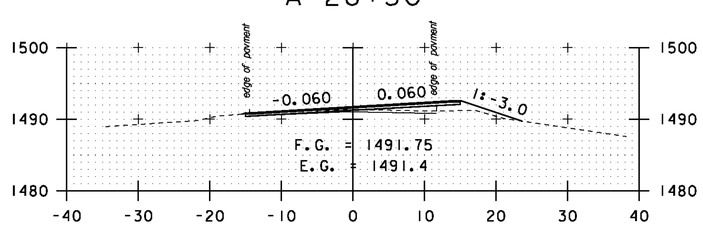

A 29+00




A 24+50




A 26+50




A 28+50

A 28+00

STA. A 24+00 TO STA. A 29+50

SCALE 1" = 10'-0

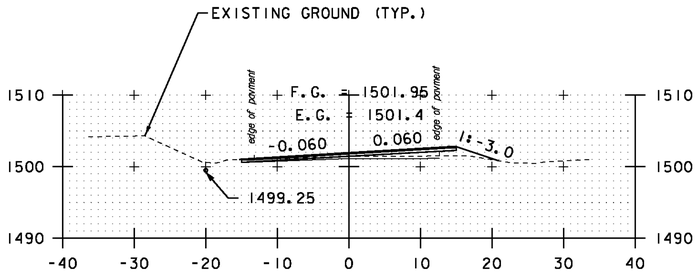
10 0 10

**CROSS SECTION SHEET 42**

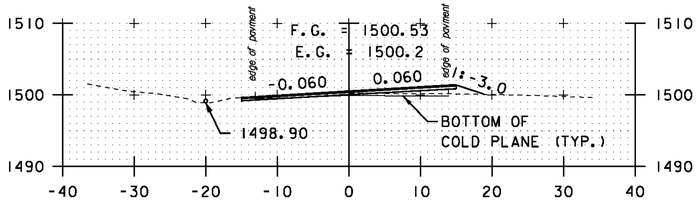
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_156.I

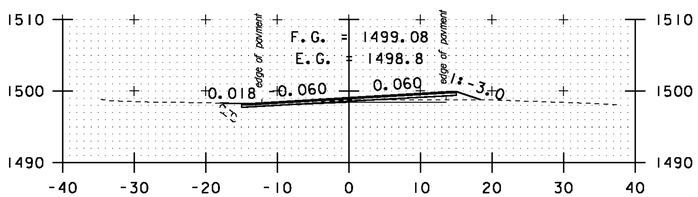
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 156 OF 178



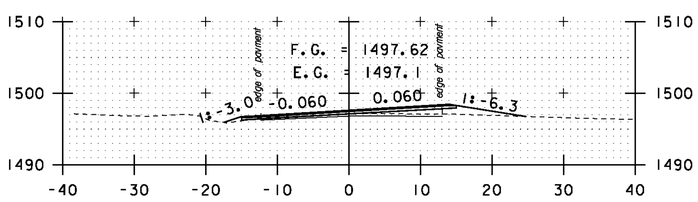

A 31+50



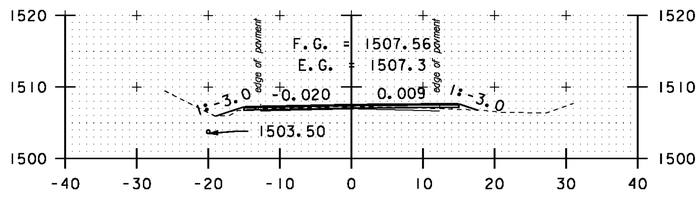

A 31+00



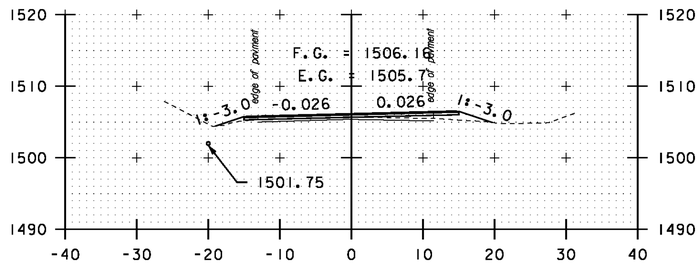

DRIVE LT
A 30+50



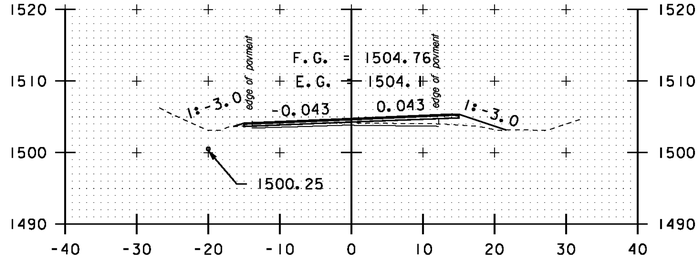

DRIVE RT
A 30+00



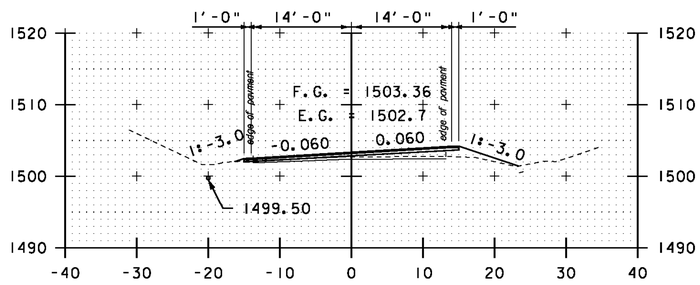

A 33+50



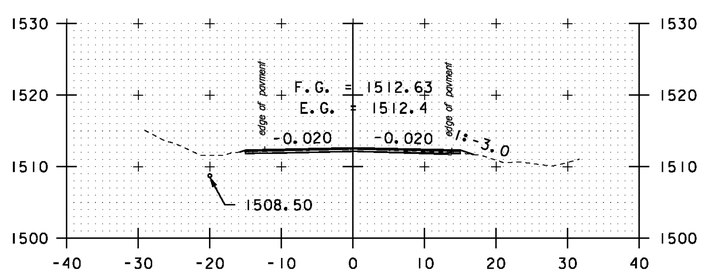

A 33+00



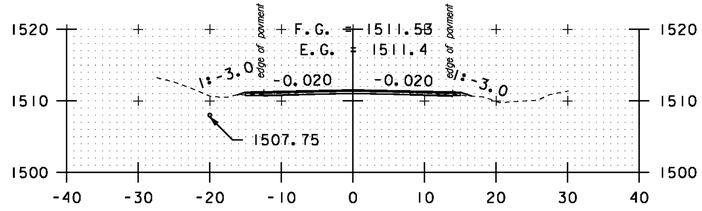

A 32+50



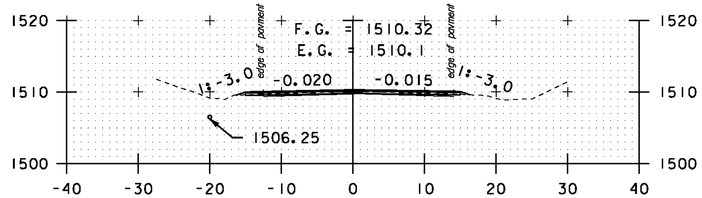

A 32+00



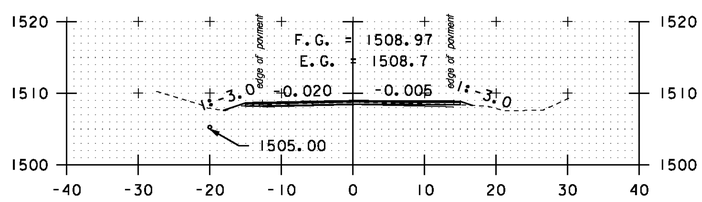

A 35+50




A 35+00




A 34+50




A 34+00

STA. A 30+00 TO STA. A 35+50

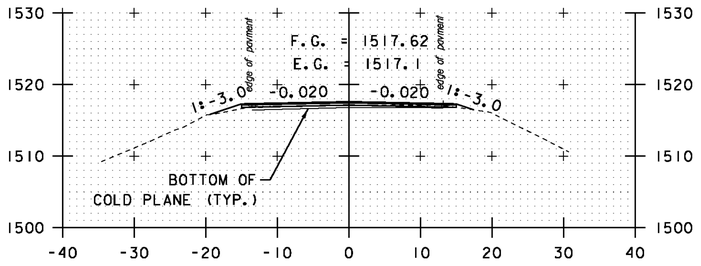
SCALE 1" = 10'-0
10 0 10

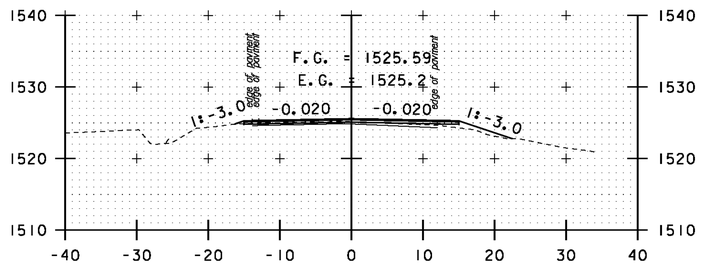
**CROSS SECTION SHEET 43**

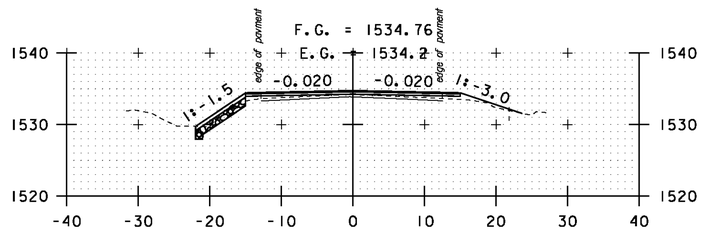
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_157.1

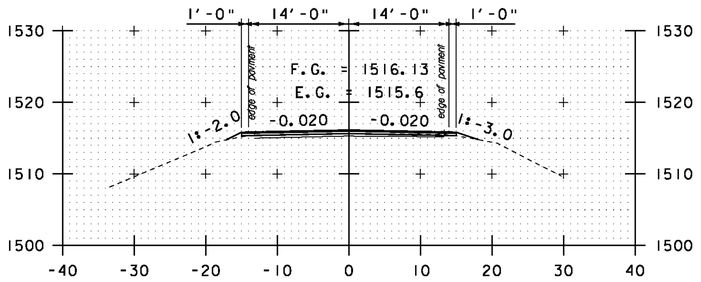
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 157 OF 178



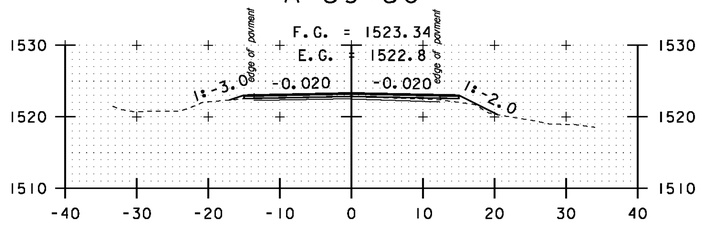



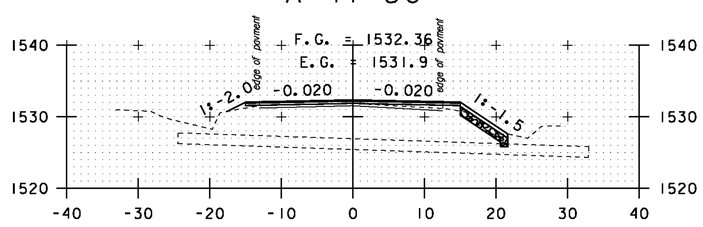

A 37+50



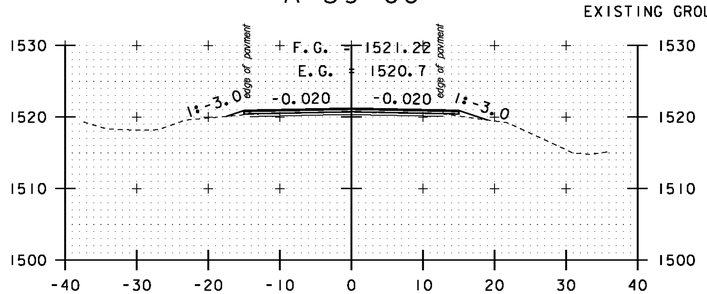

A 39+50



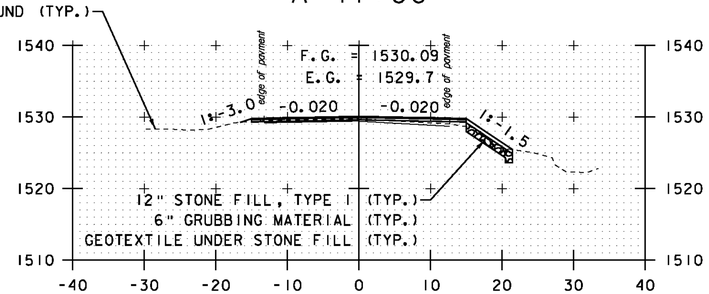

A 41+50



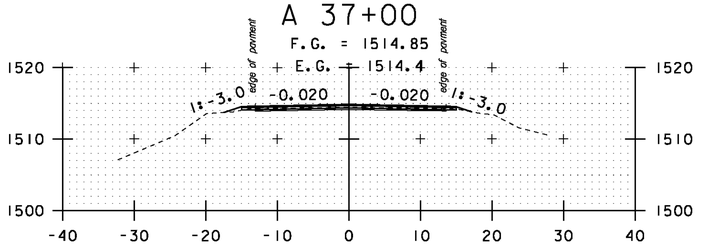

A 39+00



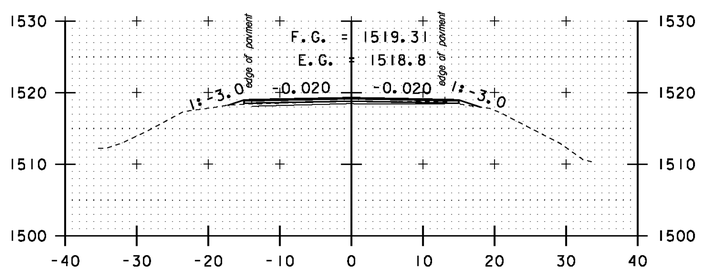

A 41+00



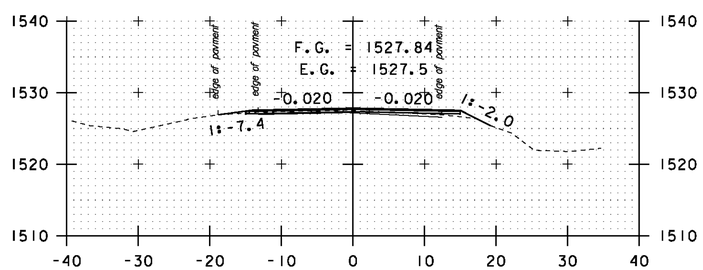

A 37+00



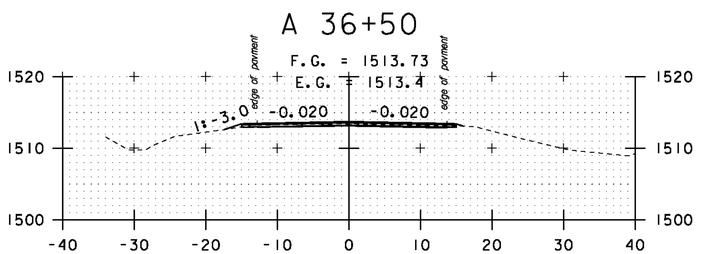

A 38+50




A 40+50




A 36+50




A 36+00

A 38+00

DRIVE LT
A 40+00

STA. A 36+00 TO STA. A 41+50

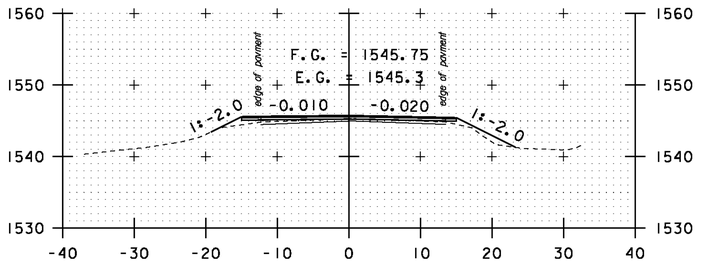
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 44**

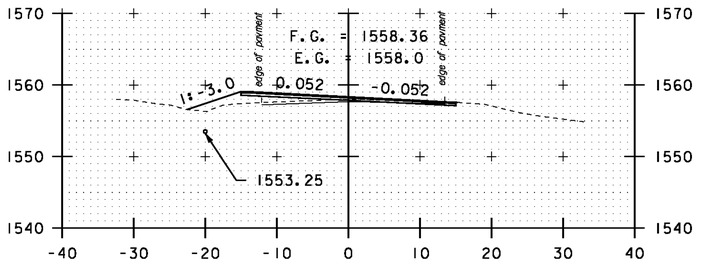
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_158.I

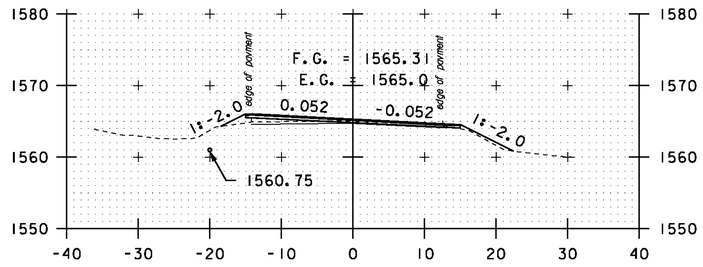
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 158 OF 178



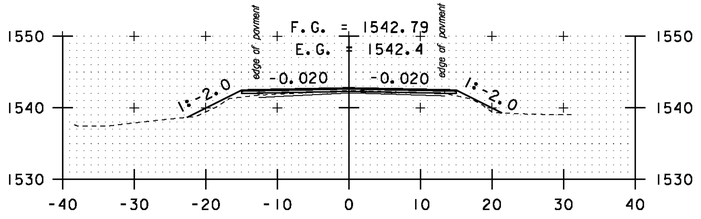

A 43+50



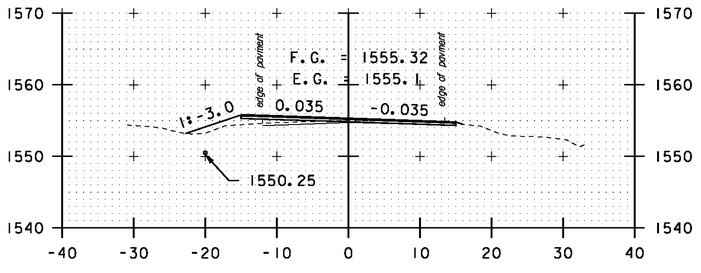

A 45+50



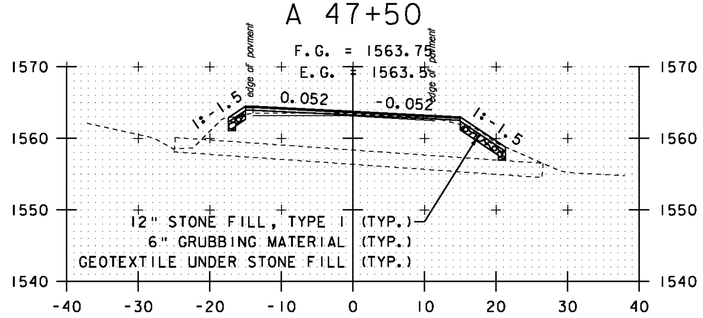

A 47+50



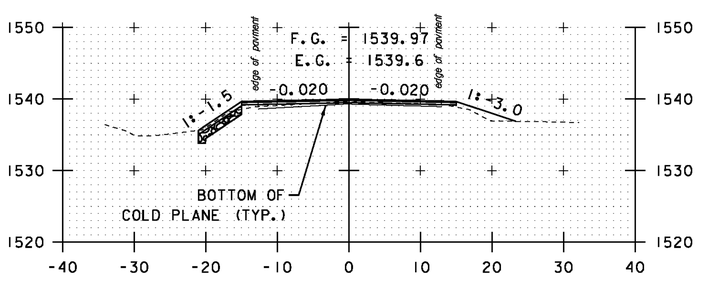

A 43+00



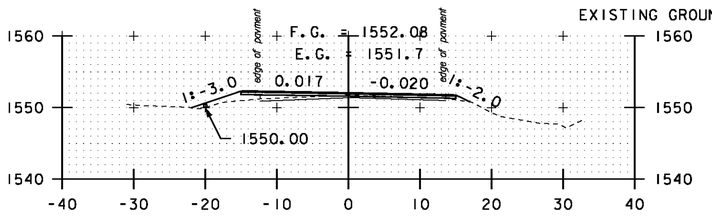

A 45+00



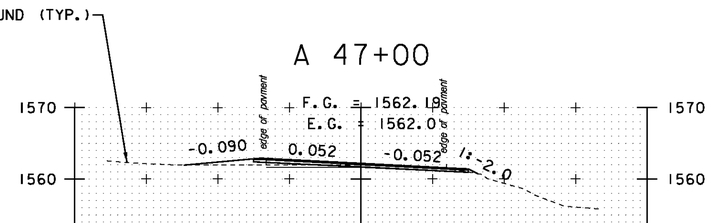

A 47+00



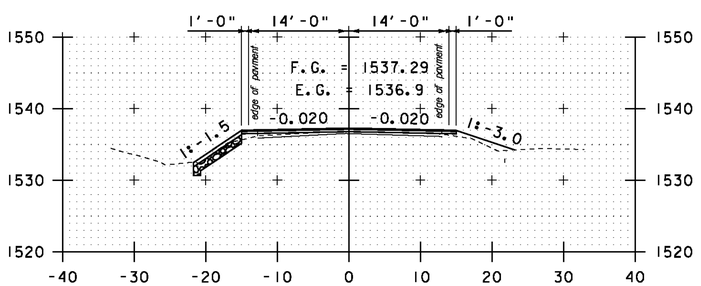

A 42+00



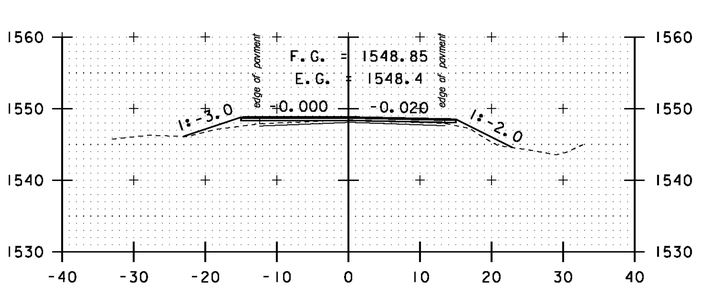

A 44+00




A 47+00

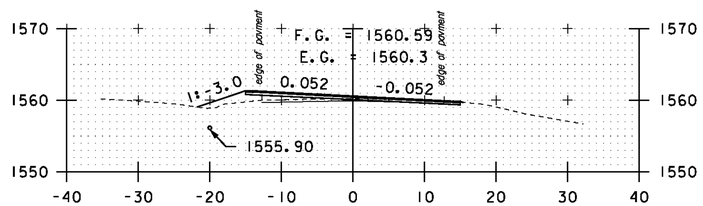



A 42+00




A 44+00

DRIVE LT
A 46+50




A 46+00

STA. A 42+00 TO STA. A 47+50

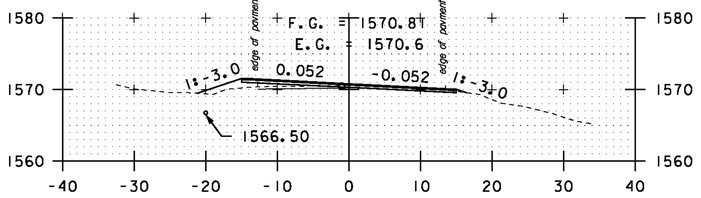
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 45**

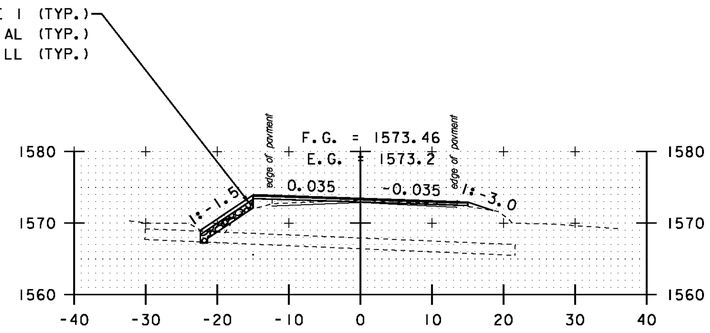
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

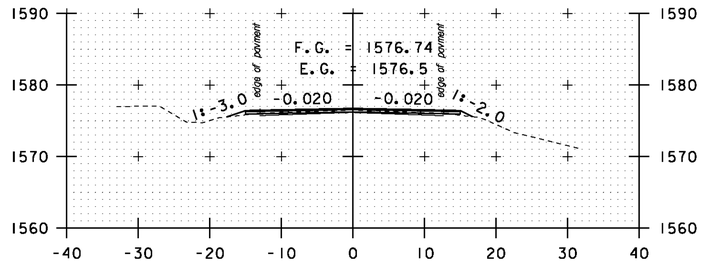
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_159.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 159 OF 178

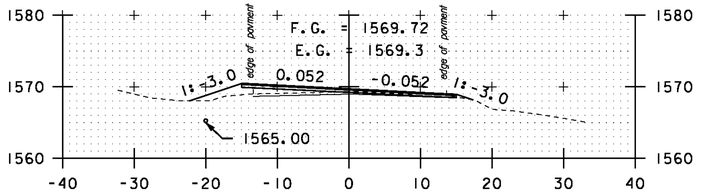



A 49+50



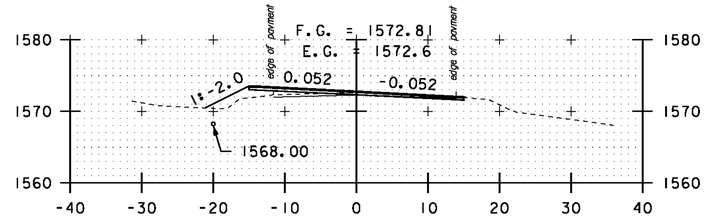



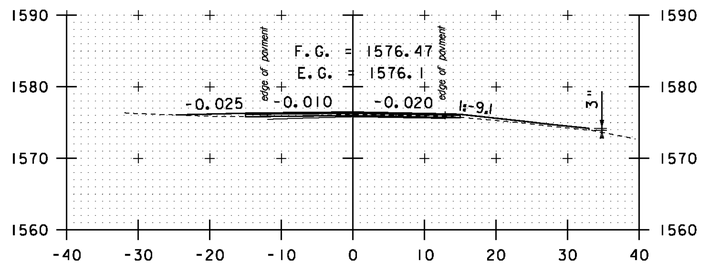

A 53+50



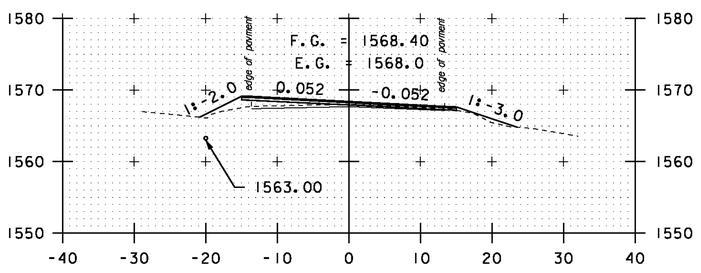

A 49+00

A 51+50



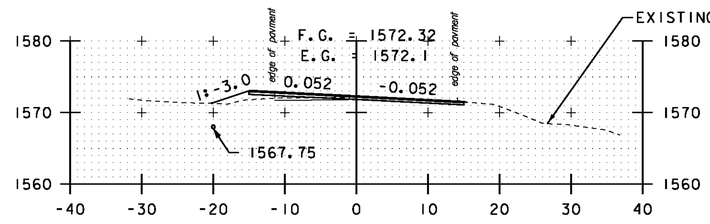



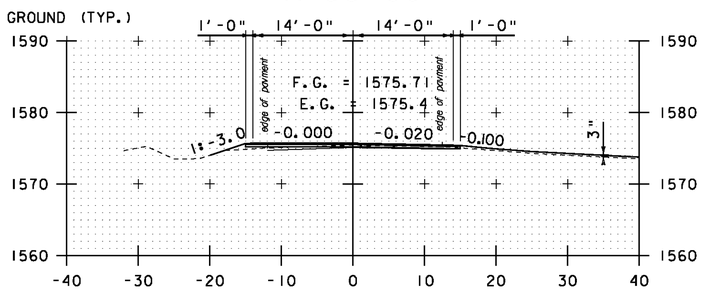

DRIVE LT/ PULL OFF RT
A 53+00



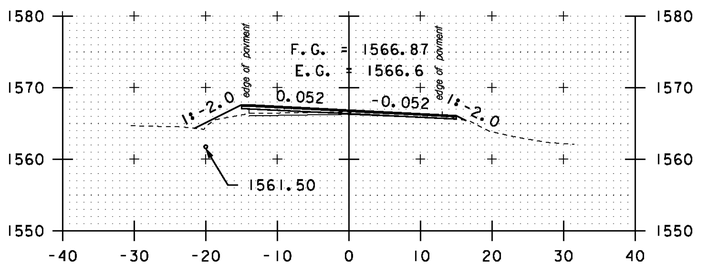

A 48+00

A 51+00



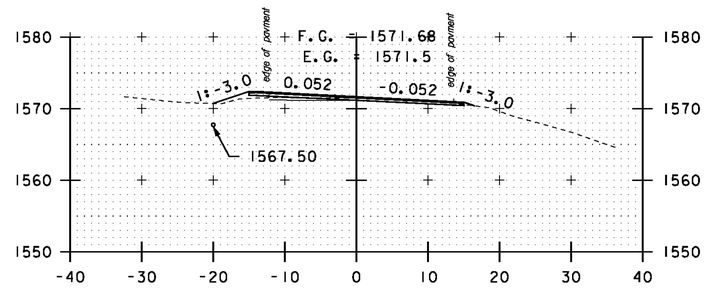



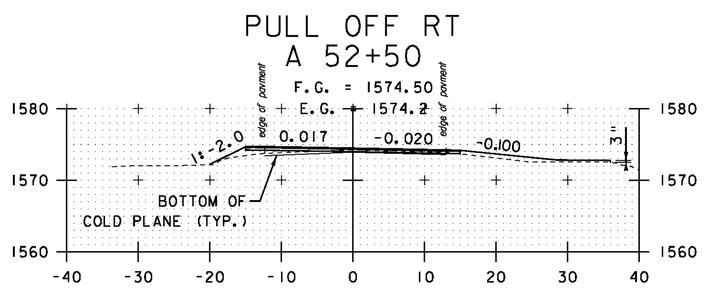

PULL OFF RT
A 52+50




A 48+50

A 50+50




PULL OFF RT
A 52+00

A 48+00

A 50+00

STA. A 48+00 TO STA. A 53+50

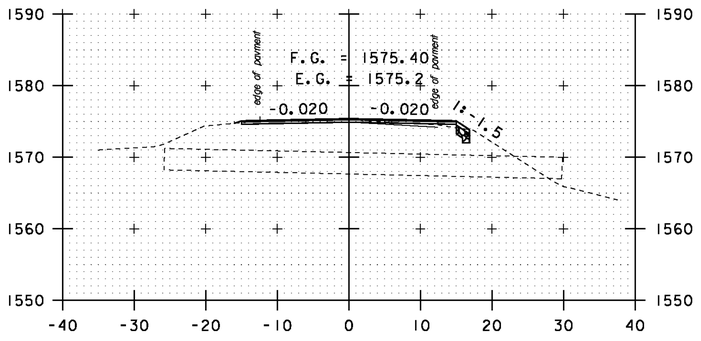
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 46**

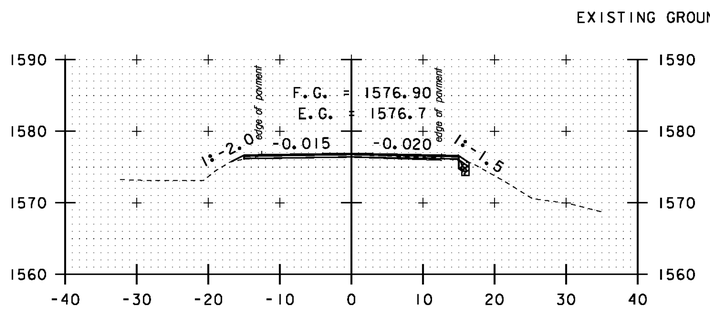
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_160.1

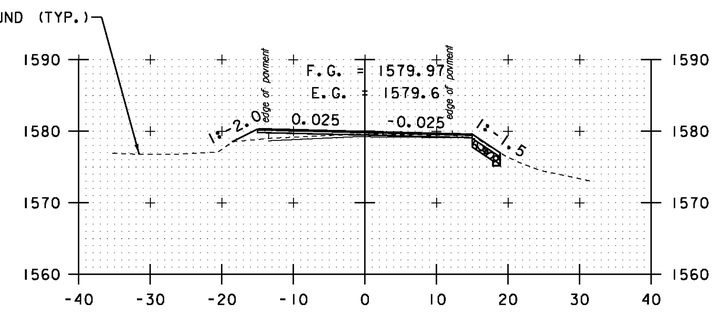
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 160 OF 178



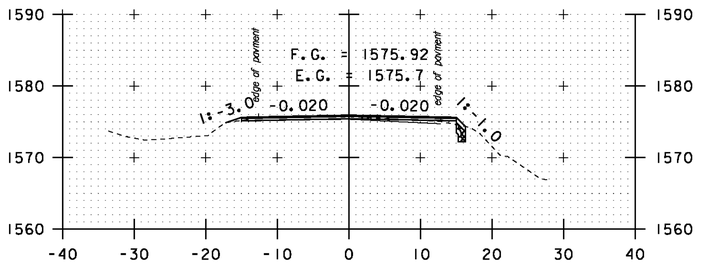

A 55+00



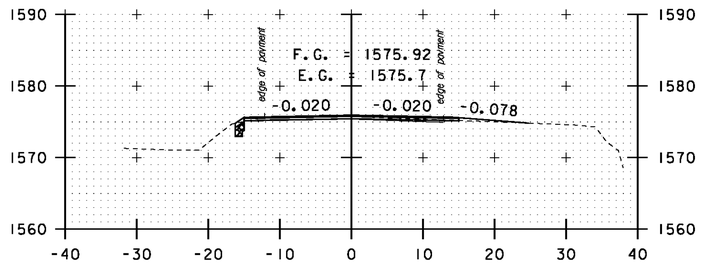

A 56+50



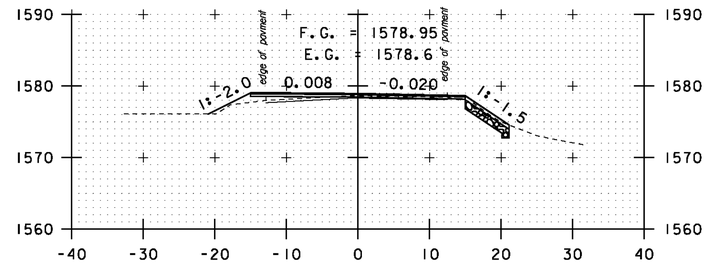

A 58+00



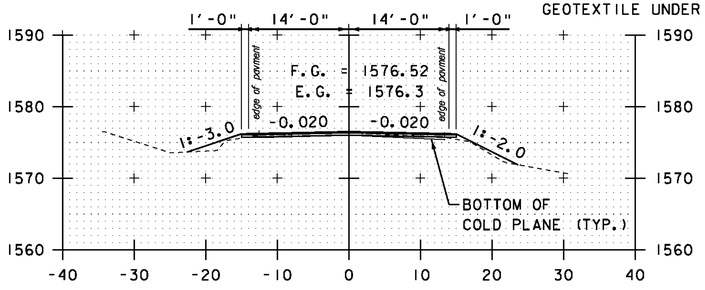

A 54+50




DRIVE RT
A 56+00

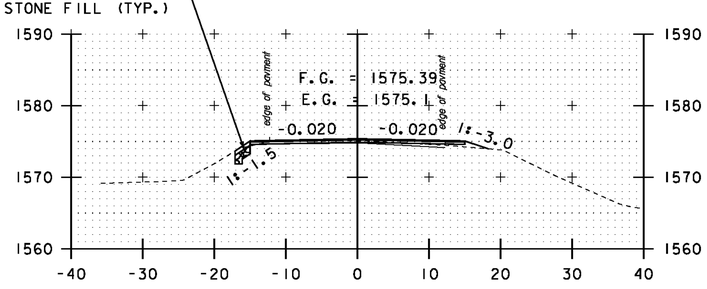



A 57+50

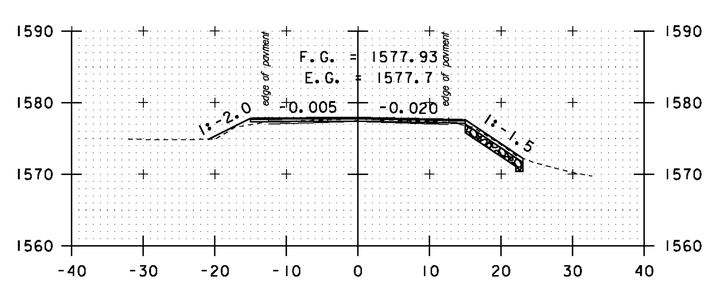



A 54+00

12" STONE FILL, TYPE I (TYP.)
6" GRUBBING MATERIAL (TYP.)
GEOTEXTILE UNDER STONE FILL (TYP.)




A 55+50




A 57+00

STA. A 54+00 TO STA. A 58+00

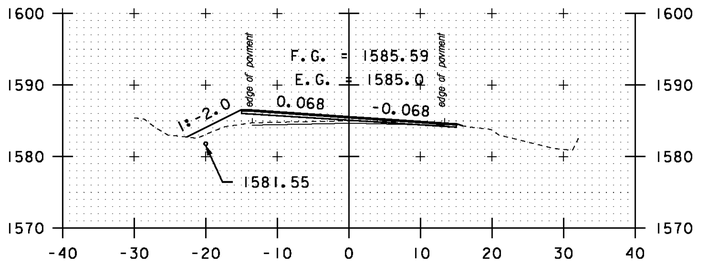
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 47**

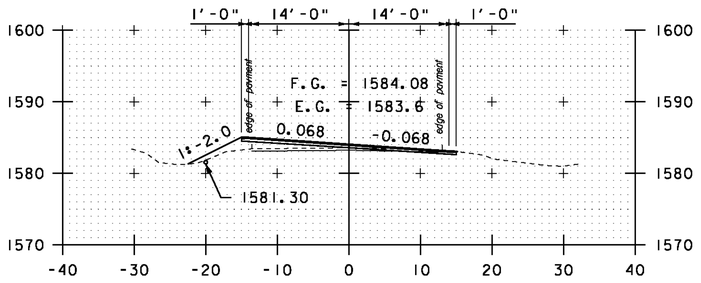
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_161.i

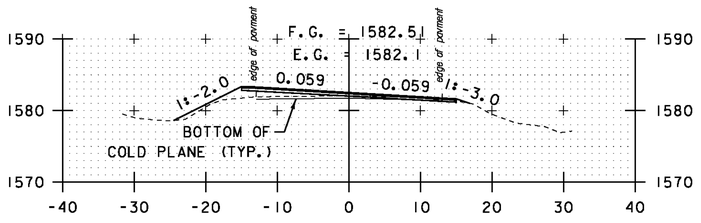
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 161 OF 178



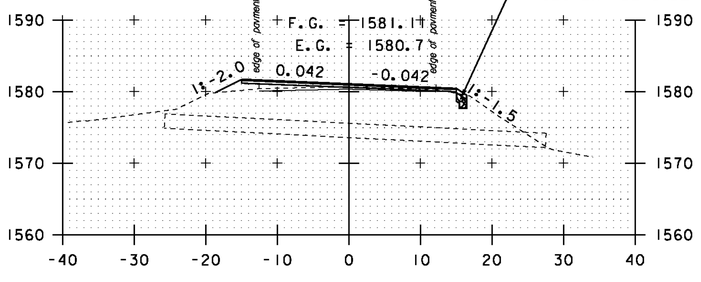

A 60+00



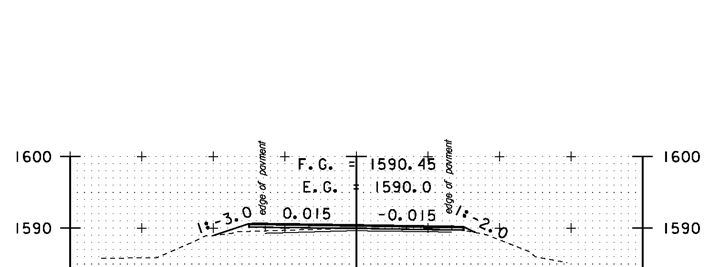

A 59+00



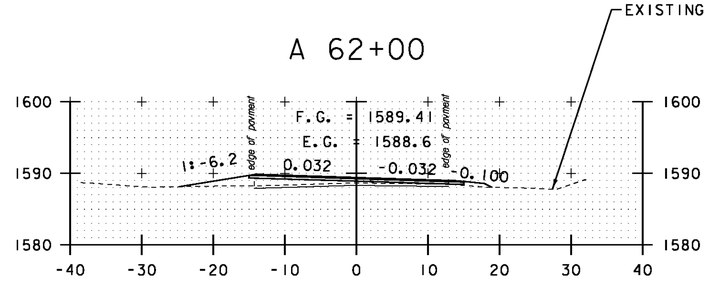

A 59+50



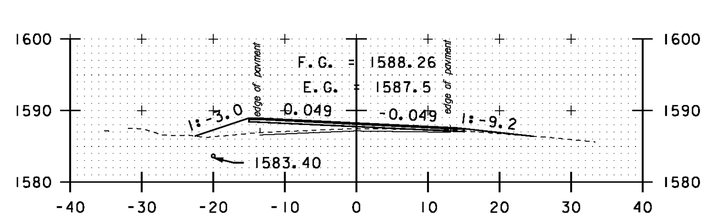

A 58+50



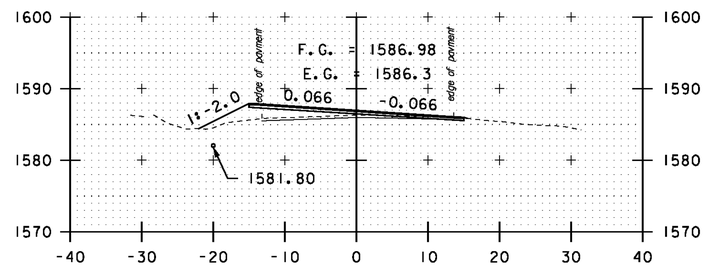

A 62+00



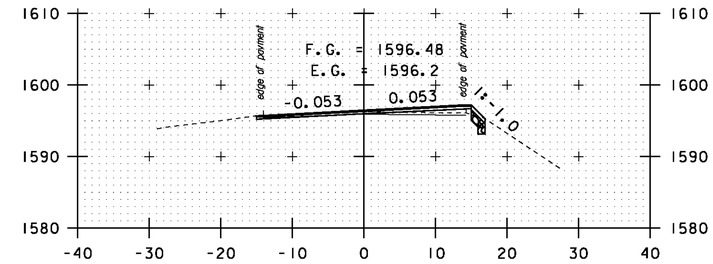

DRIVE LT/ RT
A 61+50



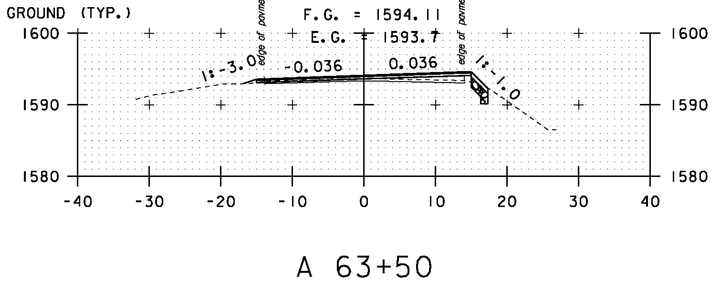

DRIVE RT
A 61+00



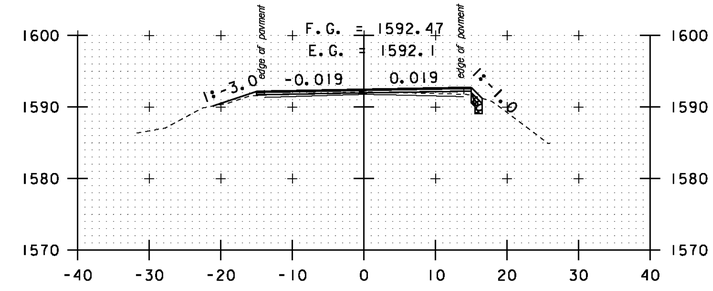

A 60+50



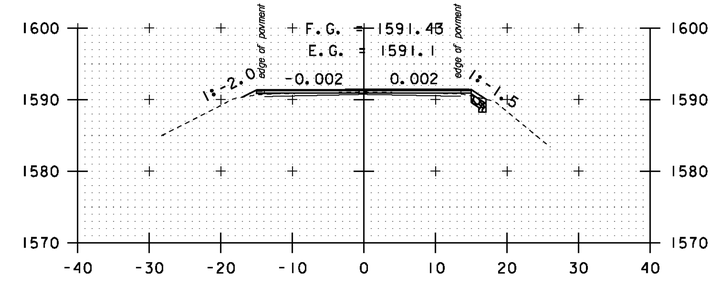

A 64+00




A 63+50




A 63+00




A 62+50

STA. A 58+50 TO STA. A 64+00

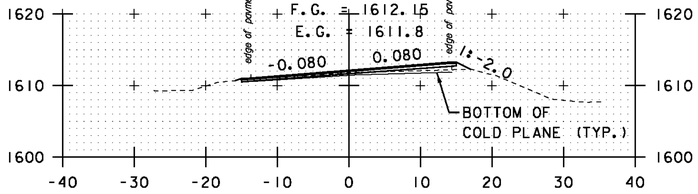
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 48**

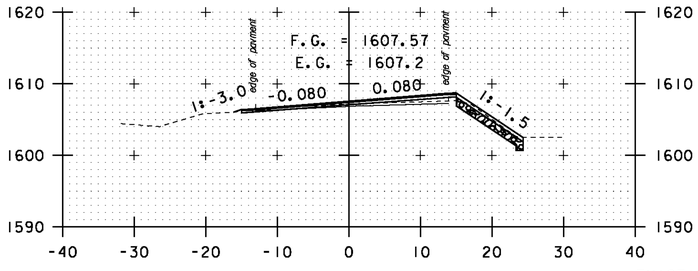
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

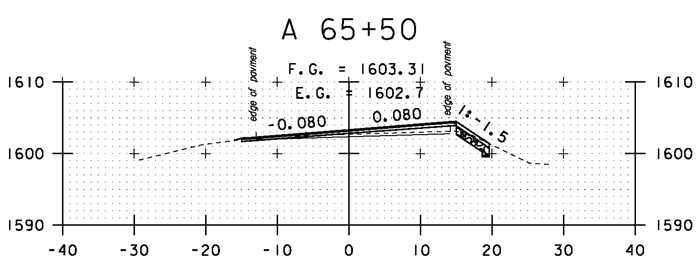
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_162.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 162 OF 178

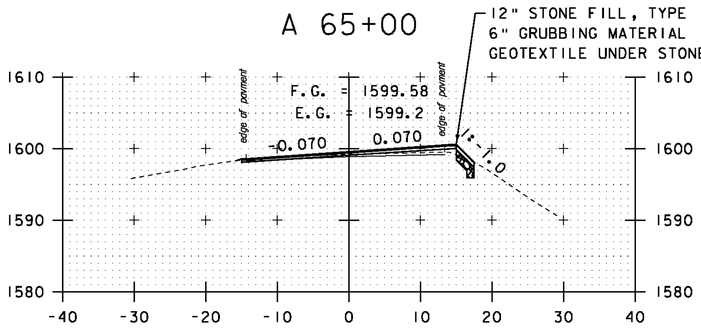



A 66+00



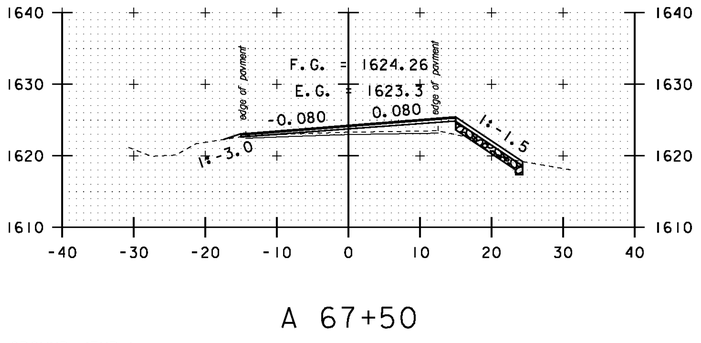




A 65+50

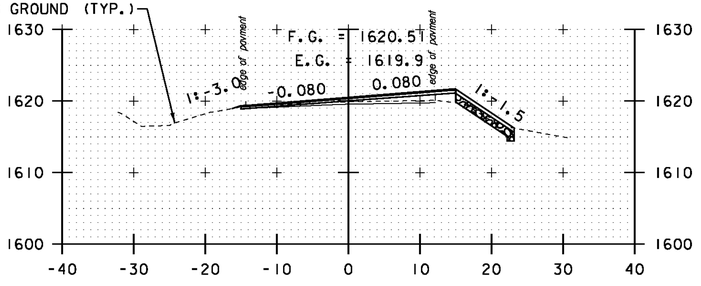



A 65+00

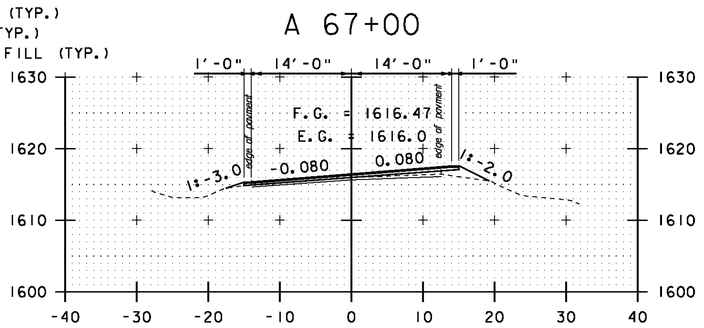
A 64+50




A 67+50



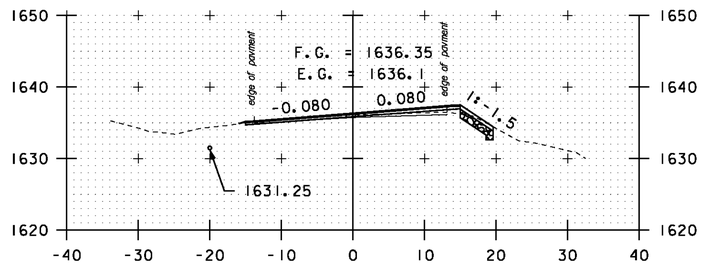

A 67+00



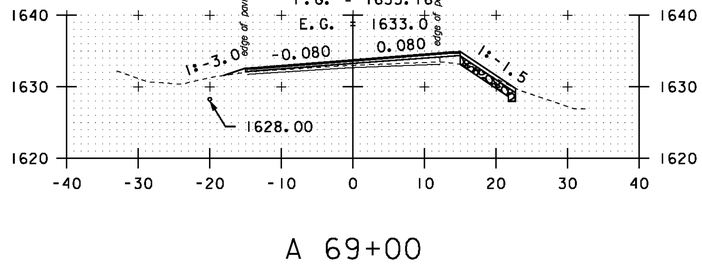

A 66+50

STA. A 64+50 TO STA. A 69+50

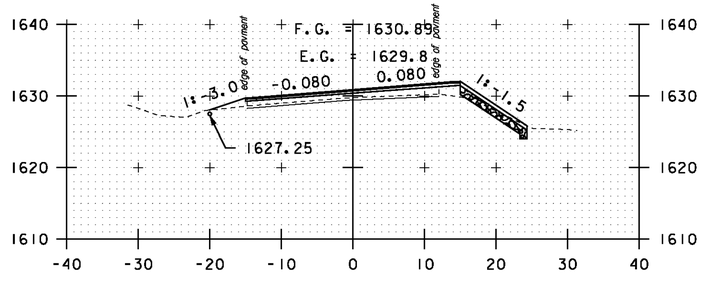
SCALE 1" = 10'-0
10 0 10



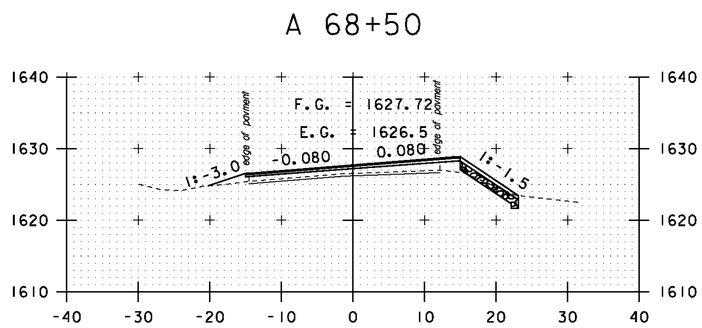

A 69+50




A 69+00




A 68+50



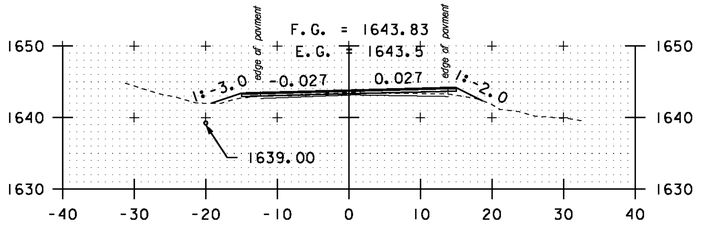

A 68+00

**CROSS SECTION SHEET 49**

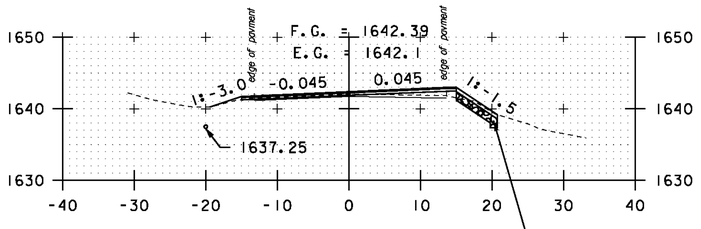
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_163.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 163 OF 178

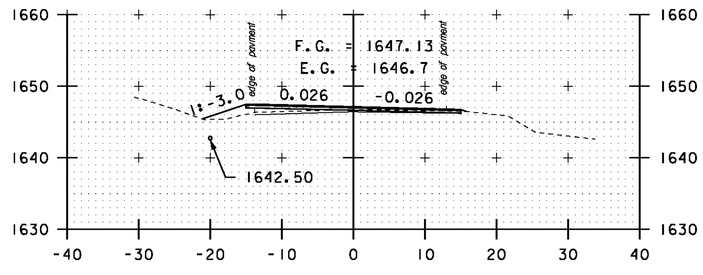



A 71+50

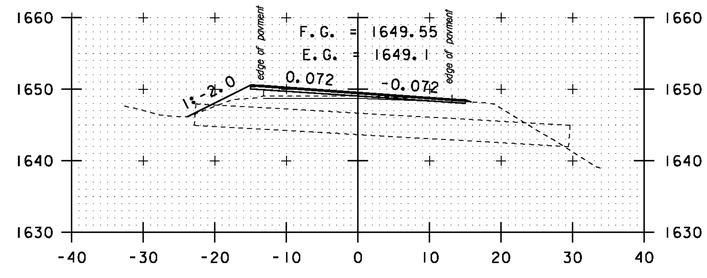



A 71+00

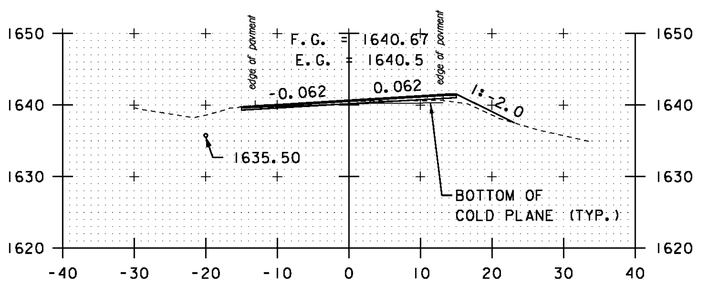
12" STONE FILL, TYPE I (TYP.)
6" GRUBBING MATERIAL (TYP.)
GEOTEXTILE UNDER STONE FILL (TYP.)



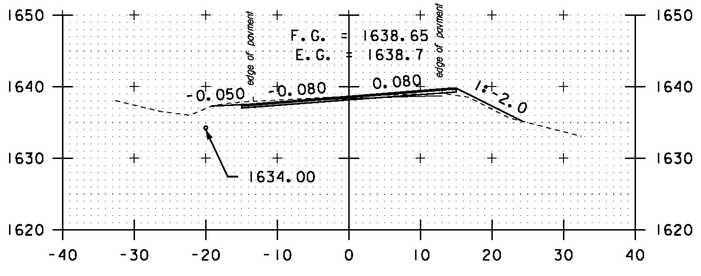

A 73+00



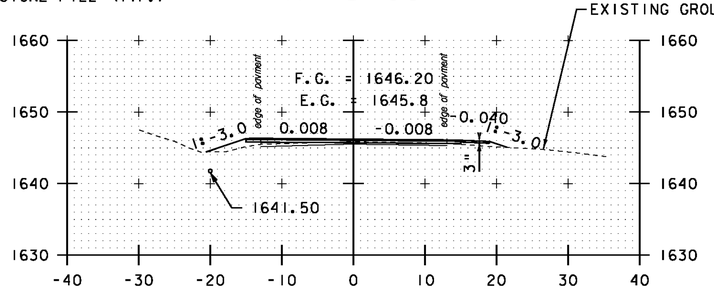

A 74+50



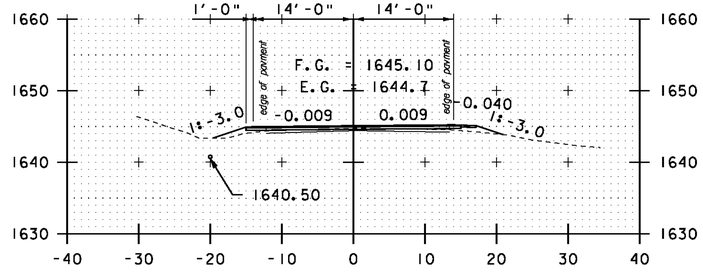

A 70+50



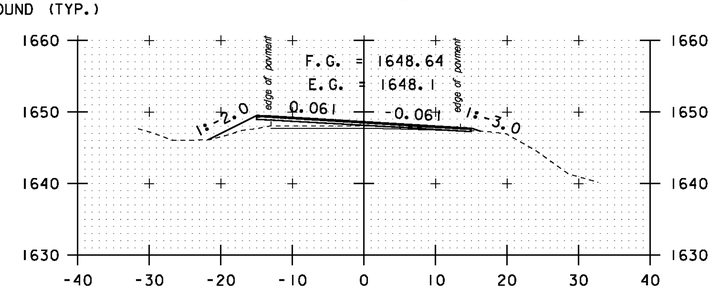

A 70+00



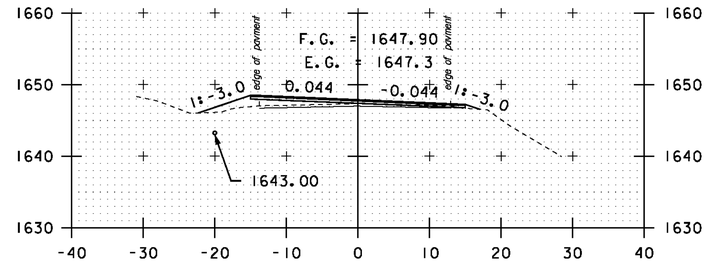

PULL OFF RT
A 72+50




PULL OFF RT
A 72+00




A 73+50




A 74+00

STA. A 70+00 TO STA. A 74+50

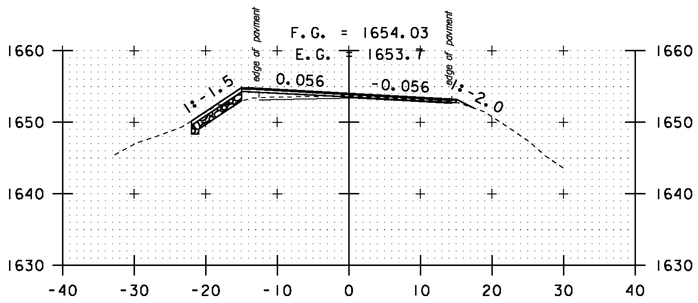
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 50**

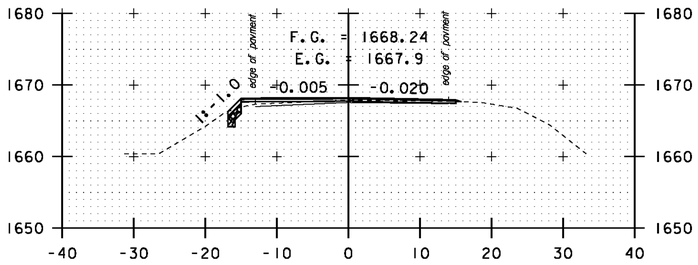
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_164.1

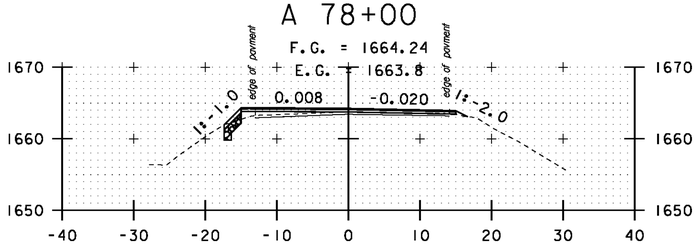
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 164 OF 178



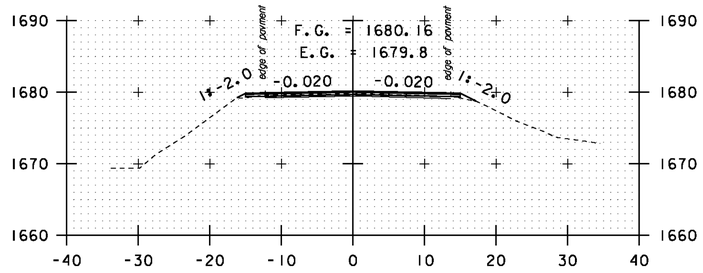

A 76+00



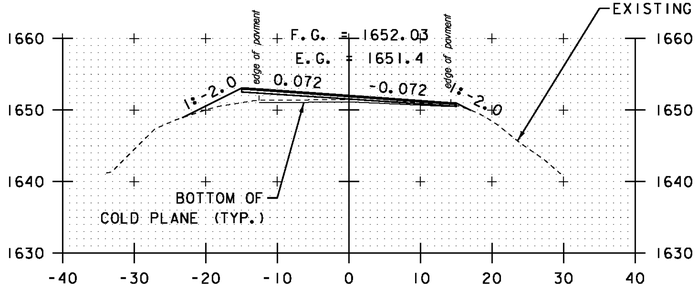

A 78+00



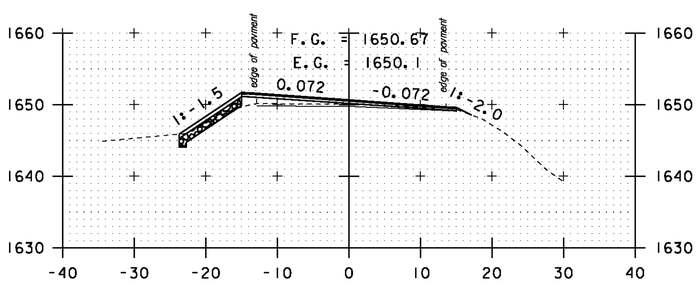

A 77+50



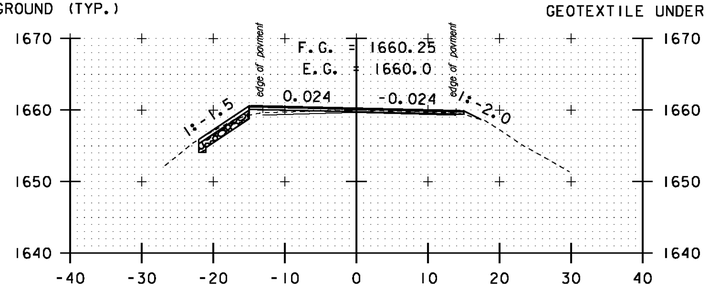

A 79+50



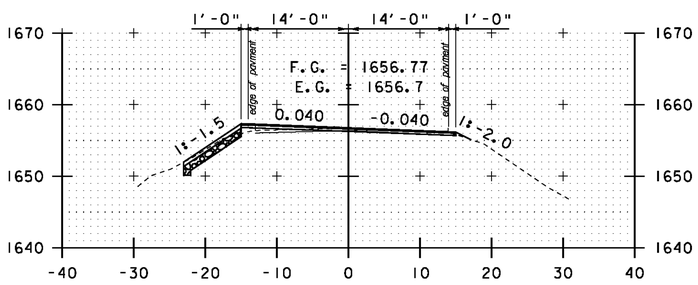

A 75+50



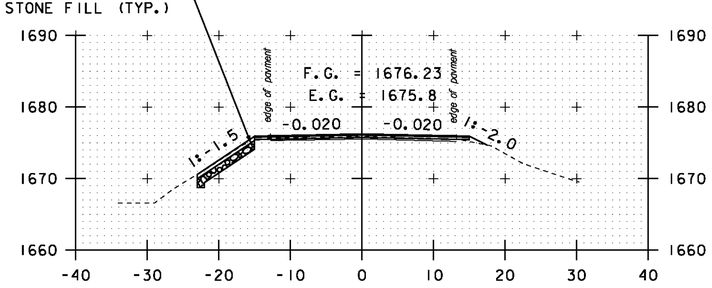

A 75+00



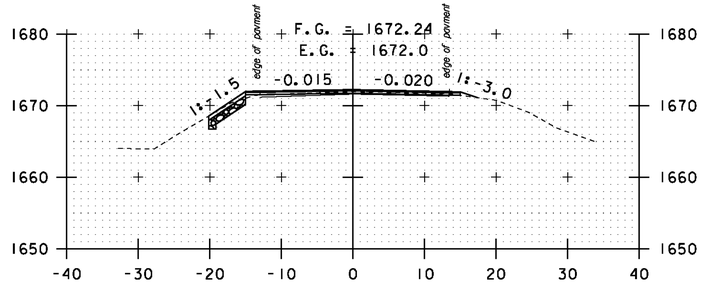

A 77+50




A 77+00




A 79+50




A 79+00

A 75+00

A 76+50

A 78+50

STA. A 75+00 TO STA. A 79+50

SCALE 1" = 10'-0

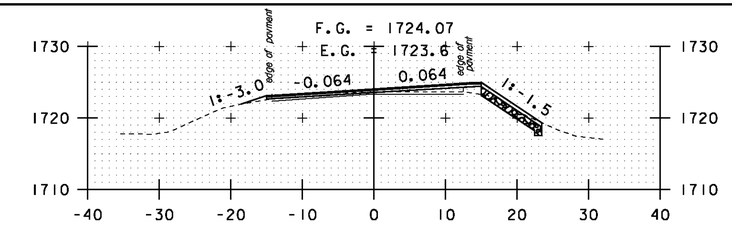
10 0 10

**CROSS SECTION SHEET 51**

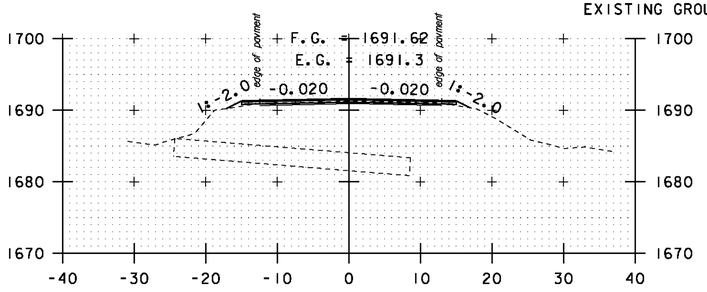
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_165.1

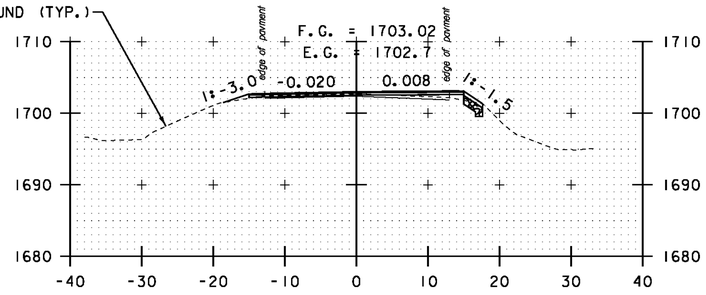
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 165 OF 178



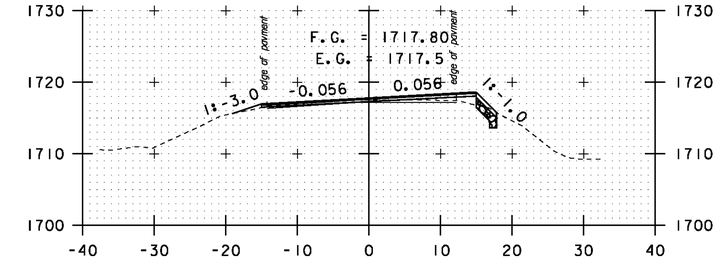

A 84+50



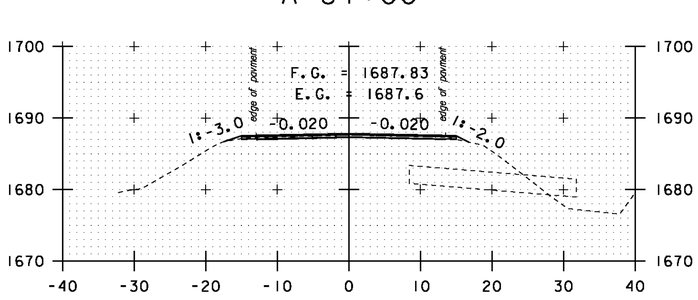

A 81+00



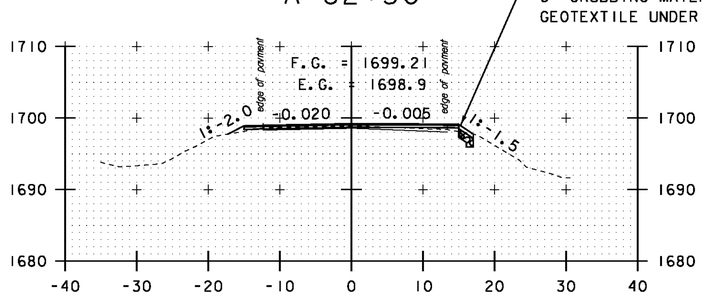

A 82+50



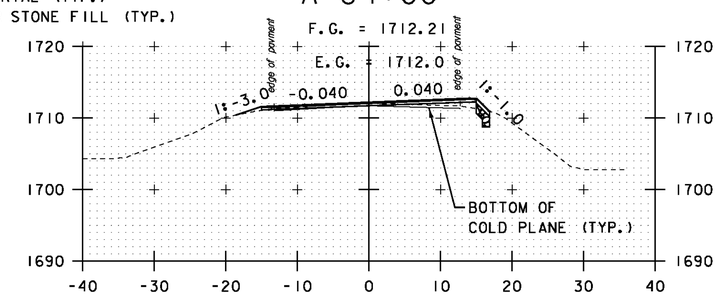

A 84+00



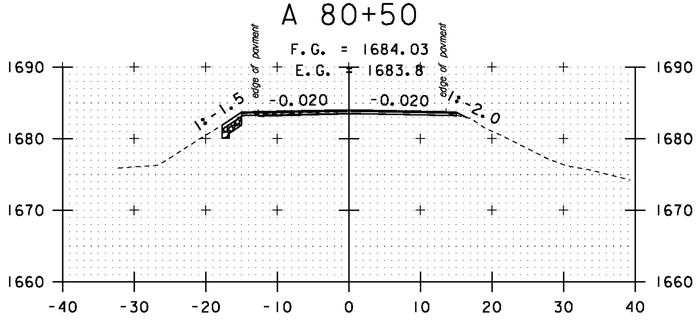

A 81+50



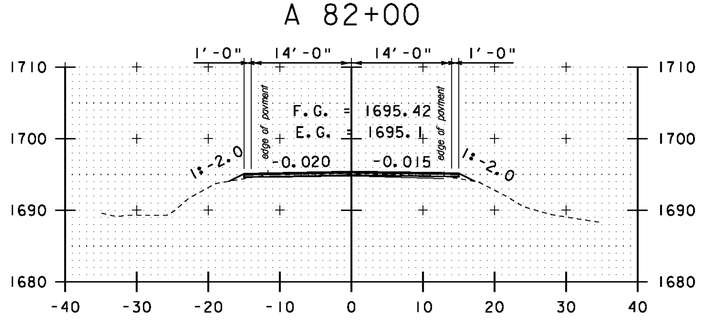

A 82+00



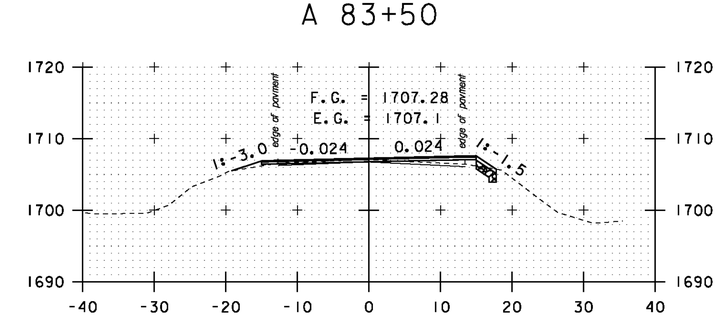

A 83+00




A 80+50




A 82+00




A 83+50

A 80+00

A 81+50

A 83+00

STA. A 80+00 TO STA. A 84+50

SCALE 1" = 10'-0

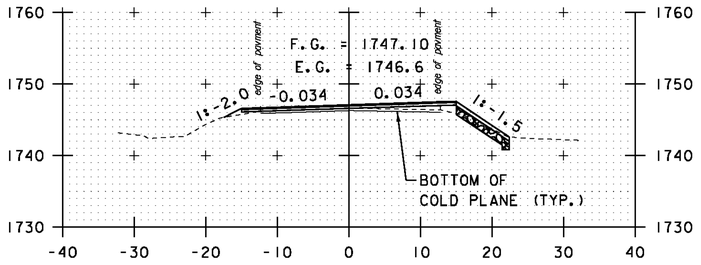
10 0 10

**CROSS SECTION SHEET 52**

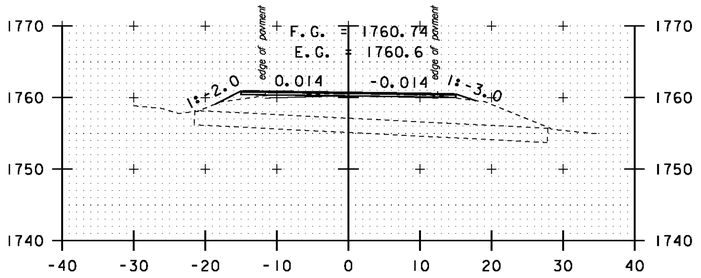
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_166.I

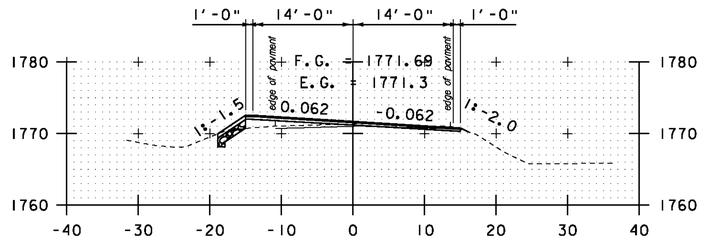
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 166 OF 178



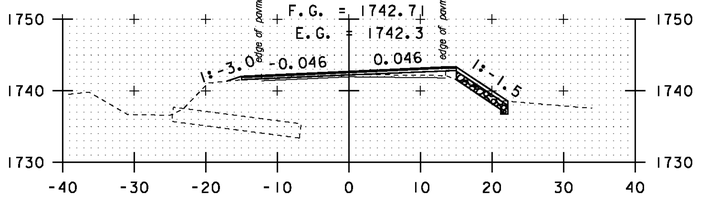

A 86+50



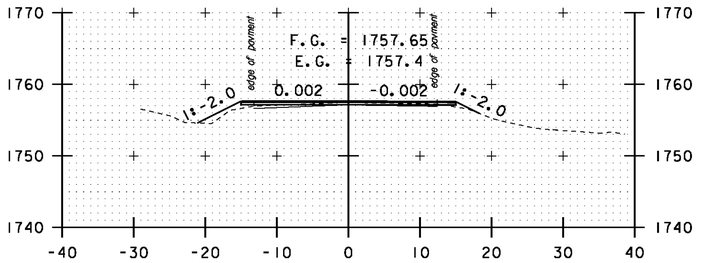

A 88+50



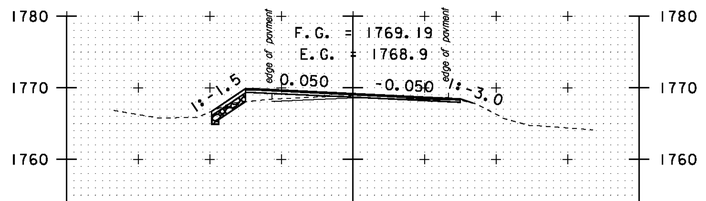

A 90+50



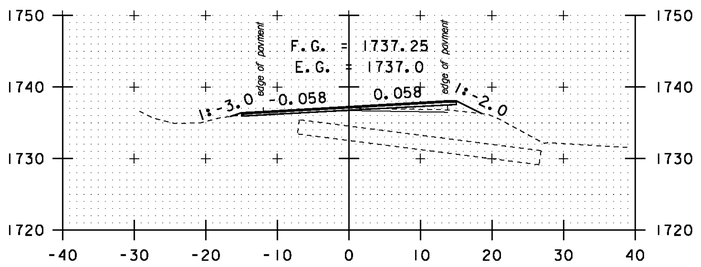

A 86+00



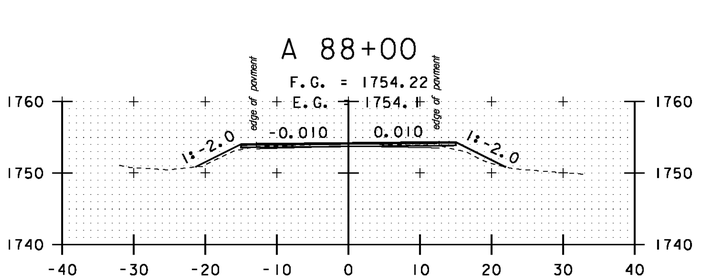

A 88+00



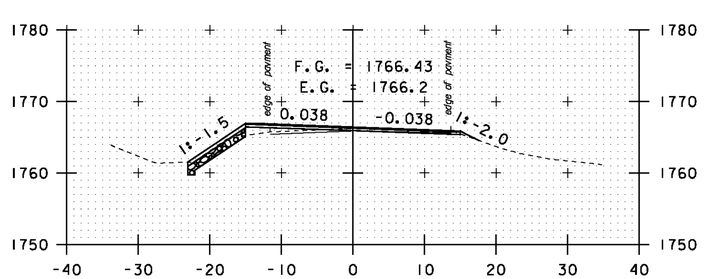

A 90+00



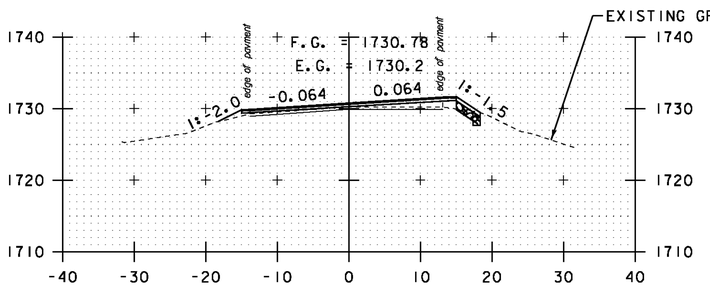

A 85+50



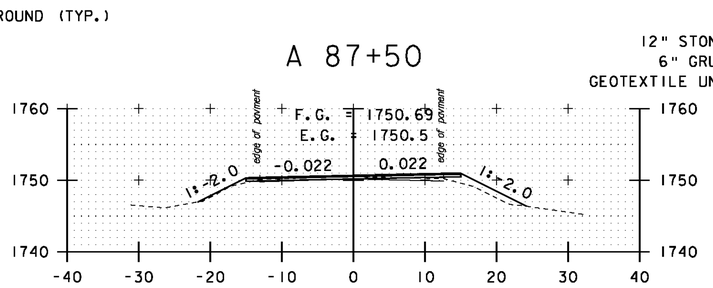

A 87+50



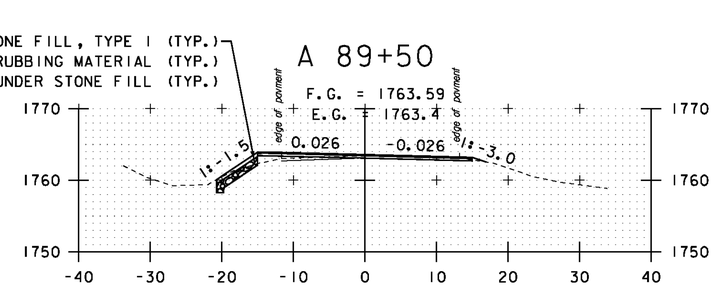

A 89+50




A 85+00




A 87+00




A 89+00

STA. A 85+00 TO STA. A 90+50

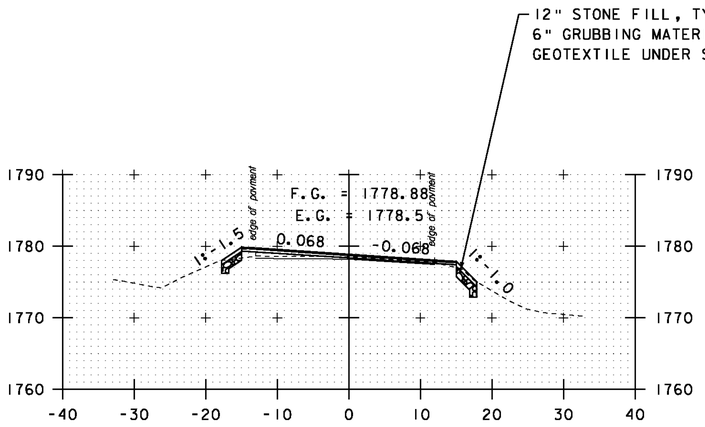
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 53**

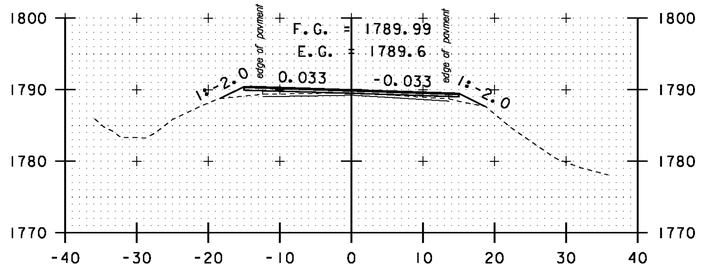
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_167.1

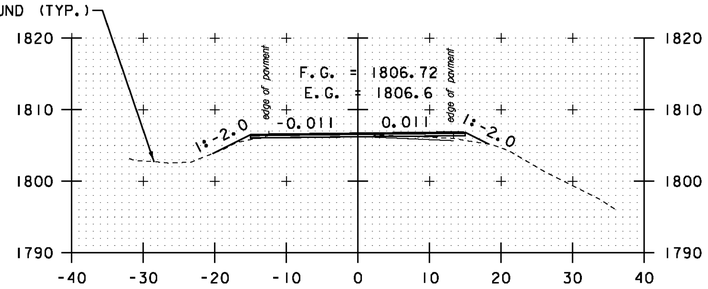
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 167 OF 178



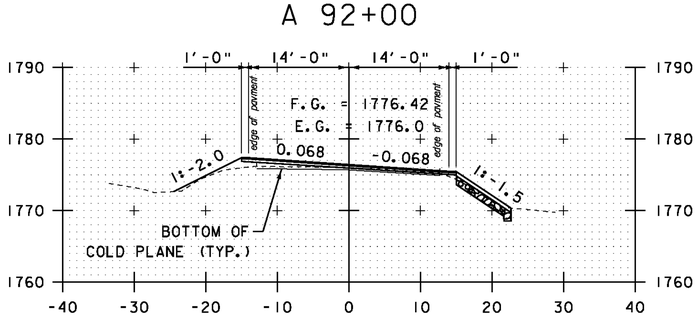

A 92+00



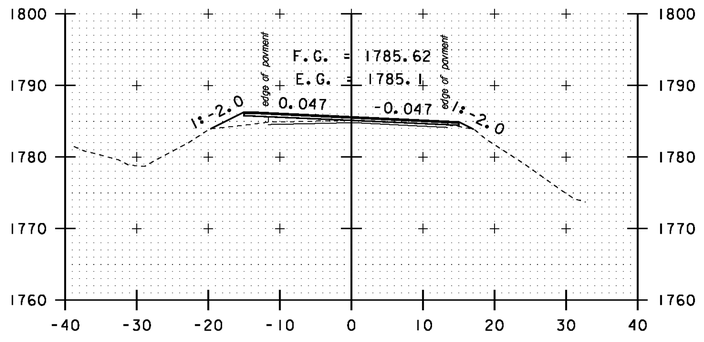

A 93+50



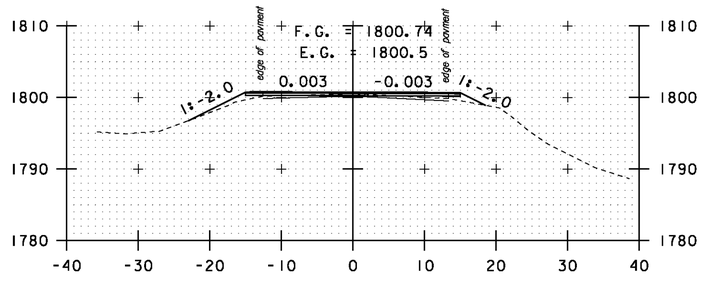

A 95+00



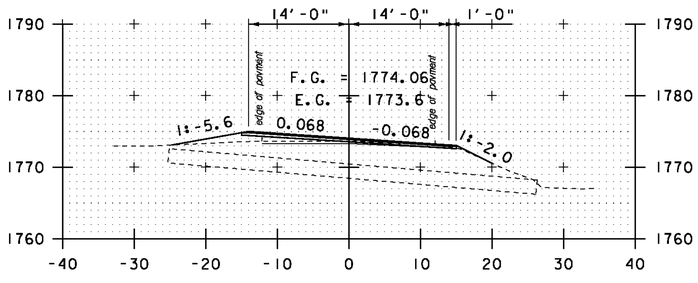

A 92+00




A 93+00

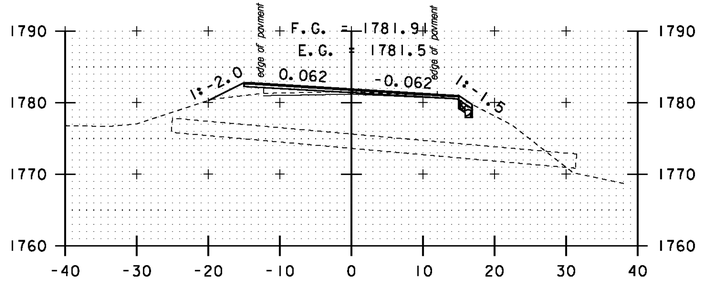



A 94+50

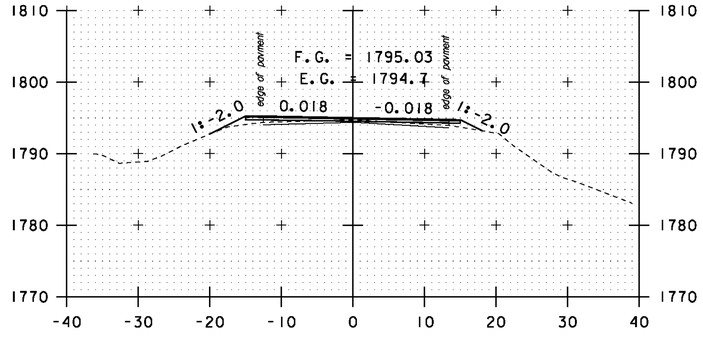



DRIVE LT
A 91+00

A 91+50




A 92+50




A 94+00

STA. A 91+00 TO STA. A 95+00

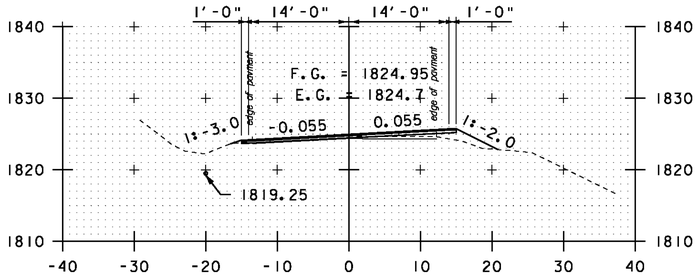
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 54**

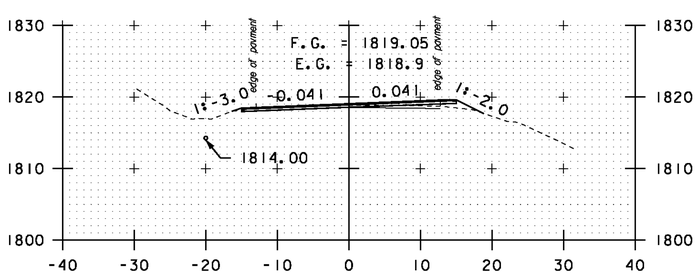
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_168.1

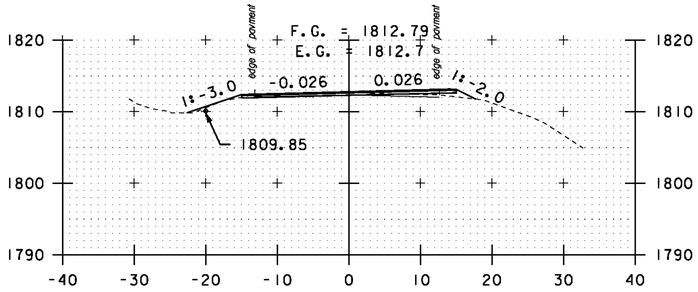
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 168 OF 178



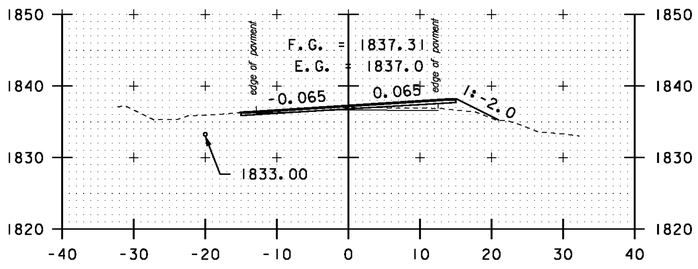

A 96+50



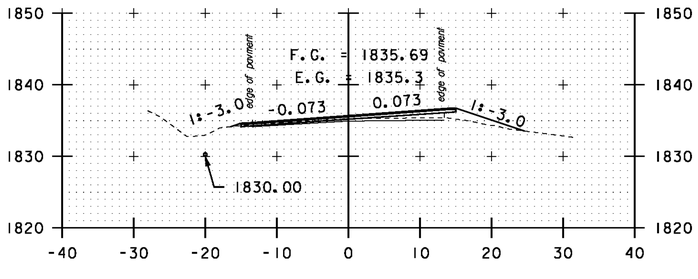

A 96+00



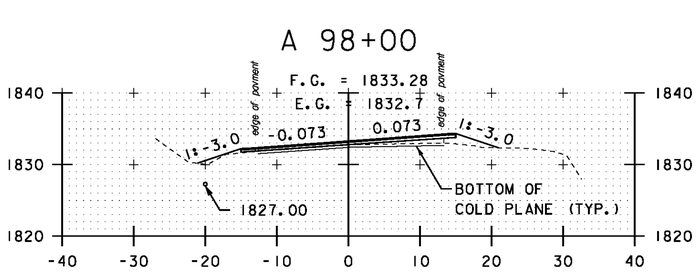

A 95+50



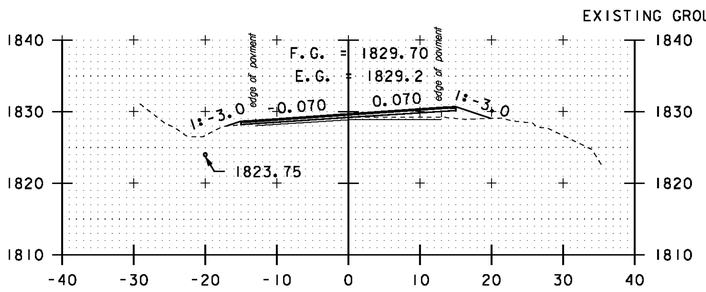

A 98+50



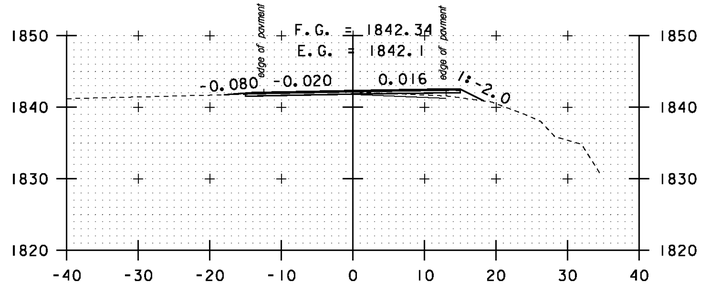

A 98+00



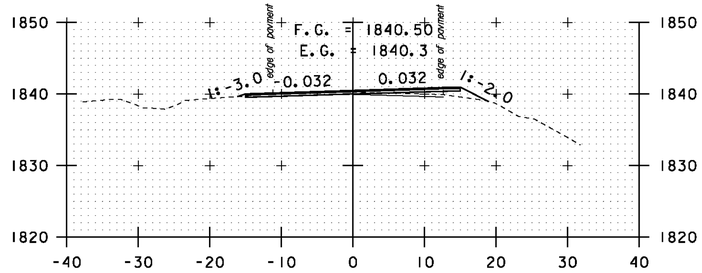

A 97+50



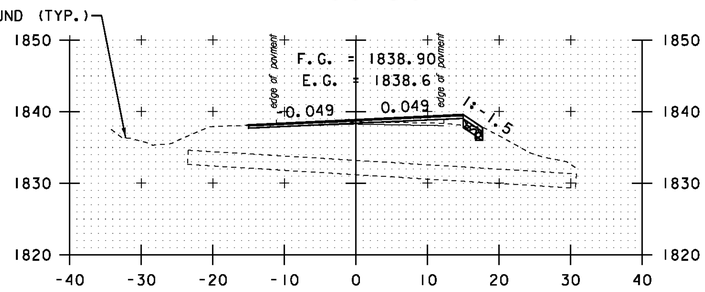

A 97+00




DRIVE LT
A 100+00




A 99+00




A 99+50

STA. A 95+50 TO STA. A 100+00

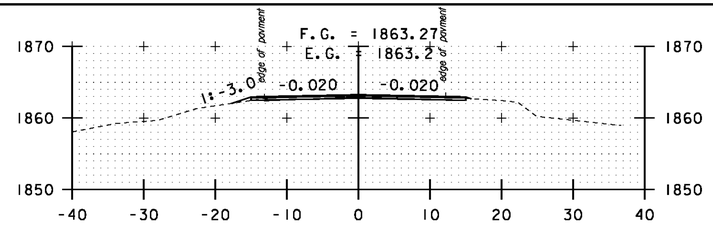
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 55**

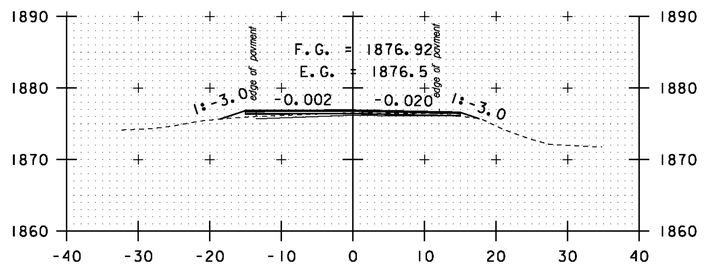
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

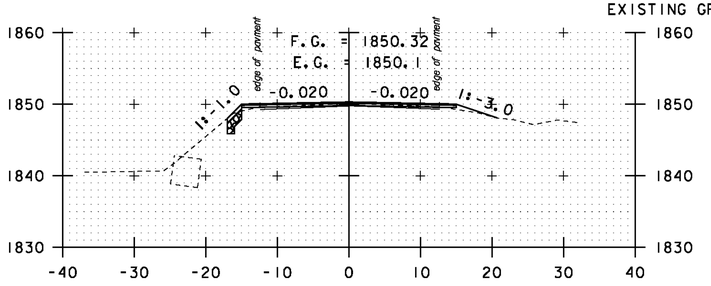
FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_169.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 169 OF 178



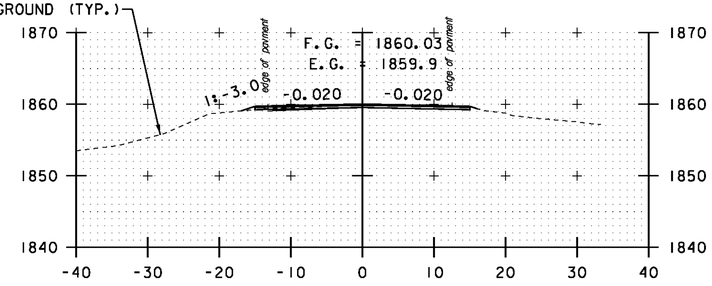

A 103+50



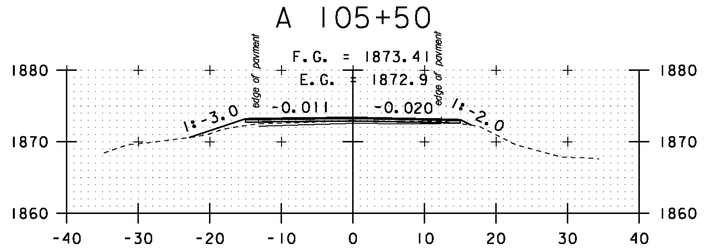




A 101+50

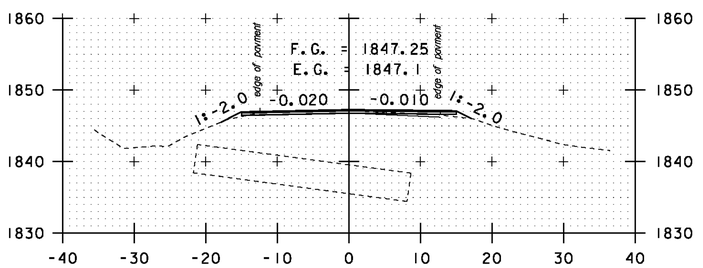
EXISTING GROUND (TYP.)



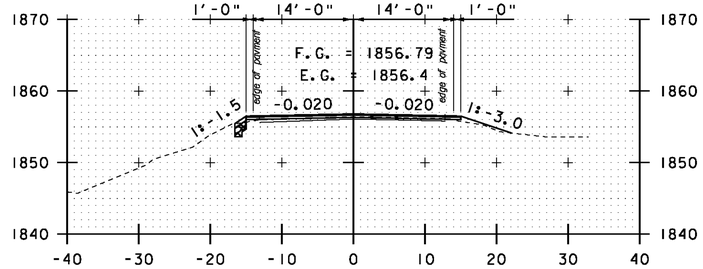

A 103+00



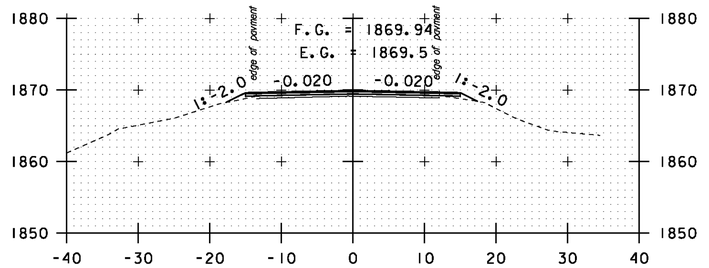

A 105+50



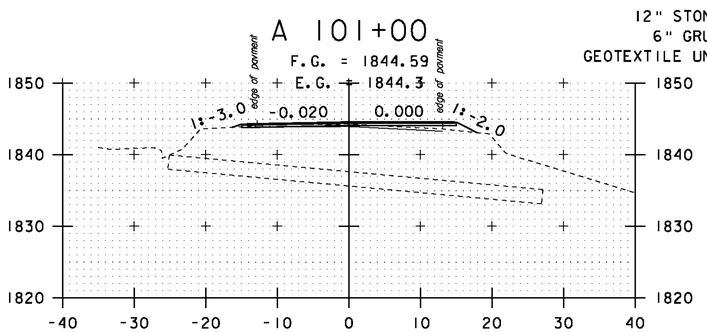

A 101+00




A 103+00

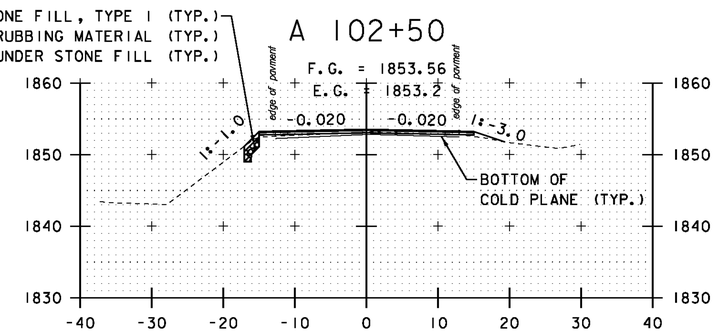



A 105+00

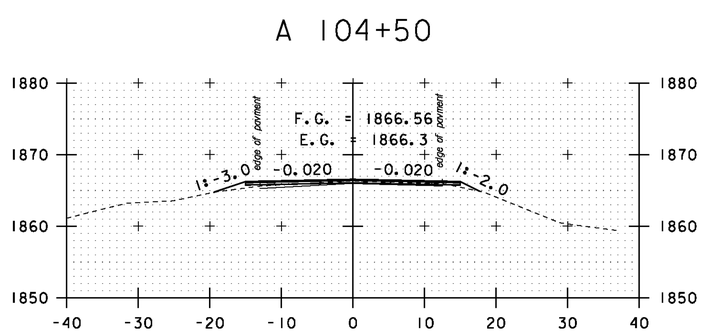



A 100+50

12" STONE FILL, TYPE I (TYP.)
6" GRUBBING MATERIAL (TYP.)
GEOTEXTILE UNDER STONE FILL (TYP.)




A 102+00




A 104+00

STA. A 100+50 TO STA. A 105+50

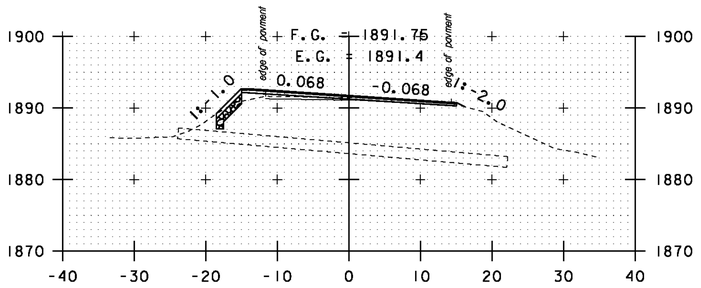
SCALE 1" = 10'-0
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**CROSS SECTION SHEET 56**

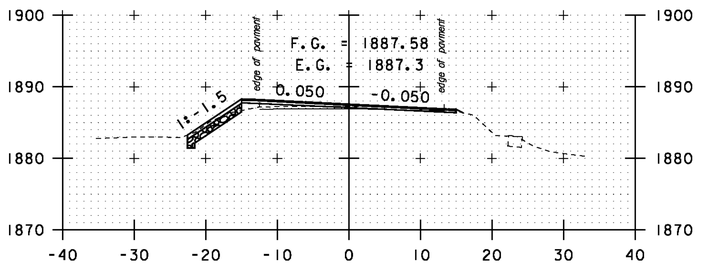
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

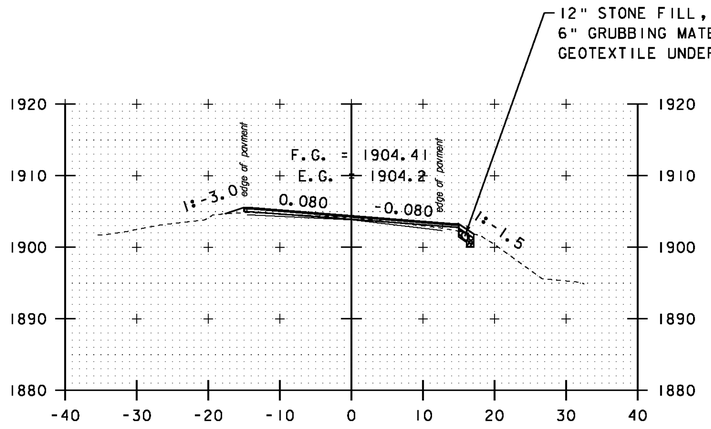
FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_I70.I

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 170 OF 178

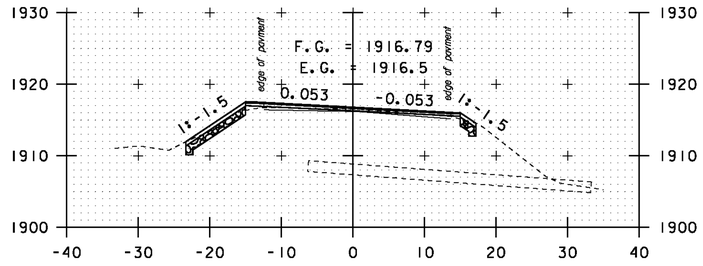



A 107+50

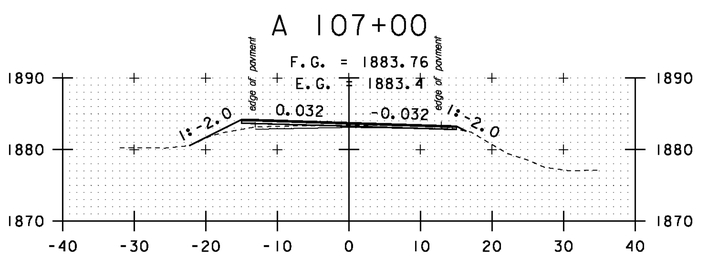


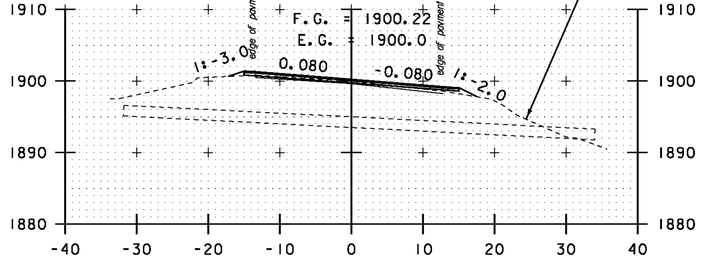

A 109+00



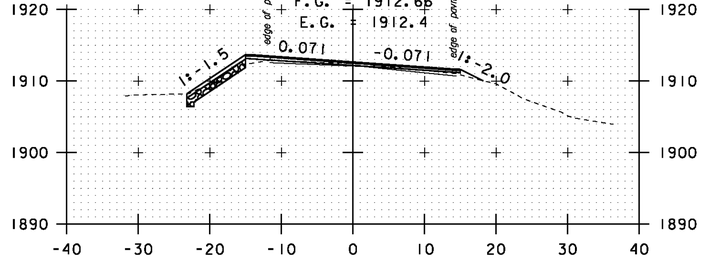

A 110+50



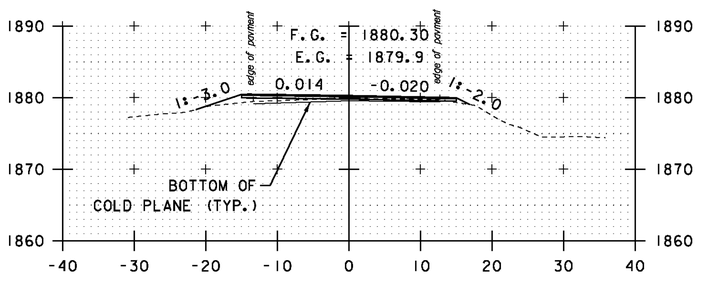

A 107+00



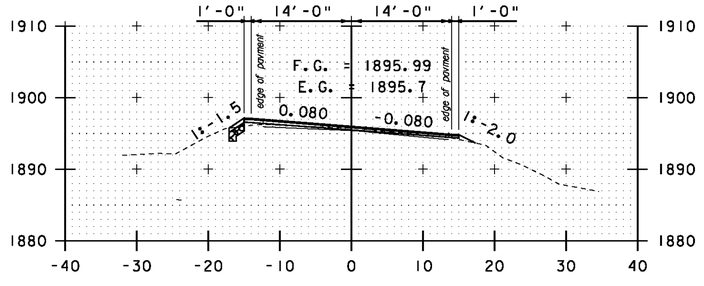

A 108+00



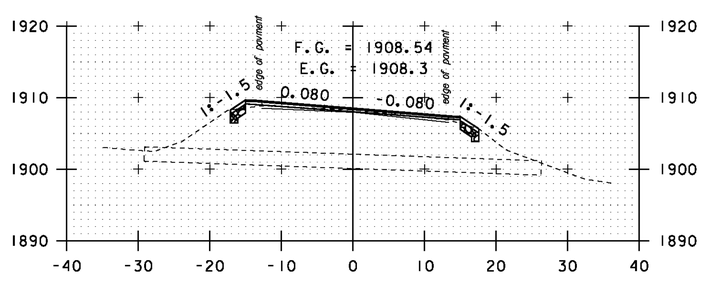

A 109+50




A 106+00




A 108+00




A 110+00

STA. A 106+00 TO STA. A 110+50

SCALE 1" = 10'-0

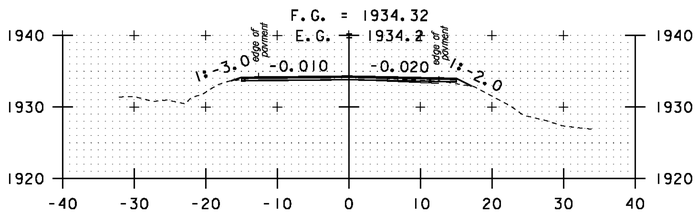
10 0 10

**CROSS SECTION SHEET 57**

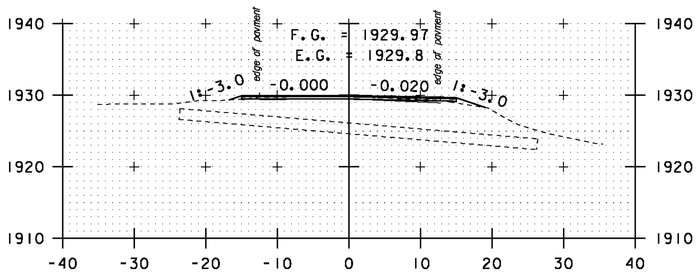
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_171.1

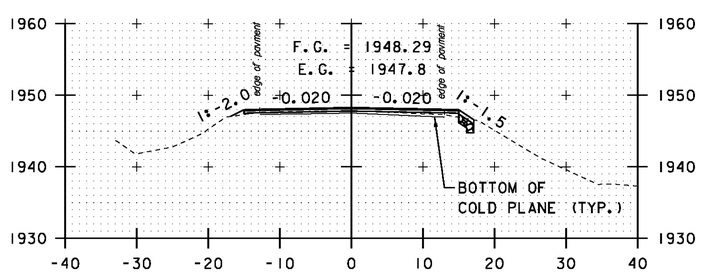
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 171 OF 178



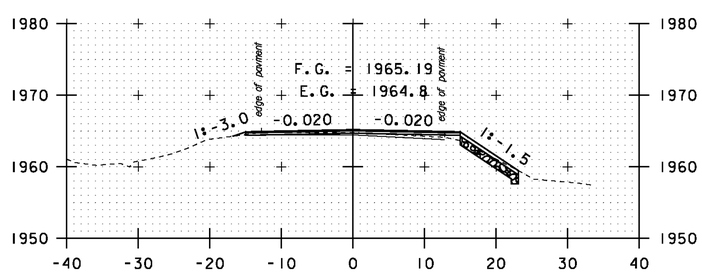

A 112+50



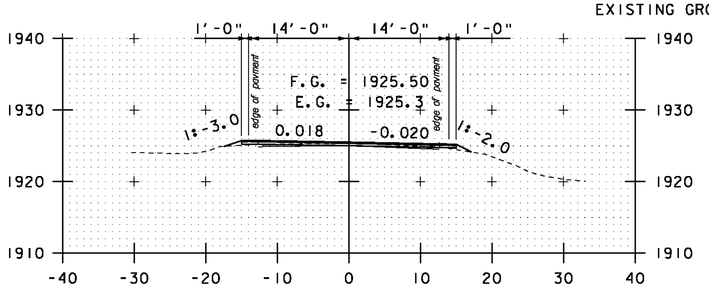

DRIVE LT
A 112+00




A 114+00

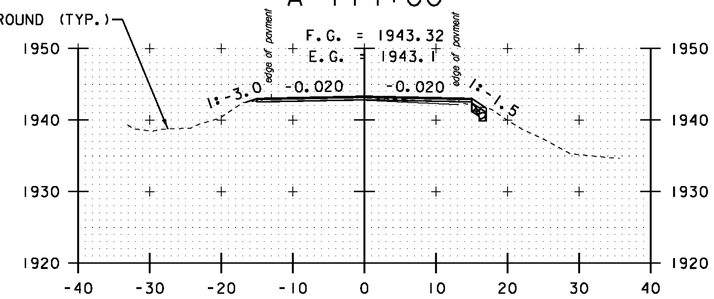



A 115+50

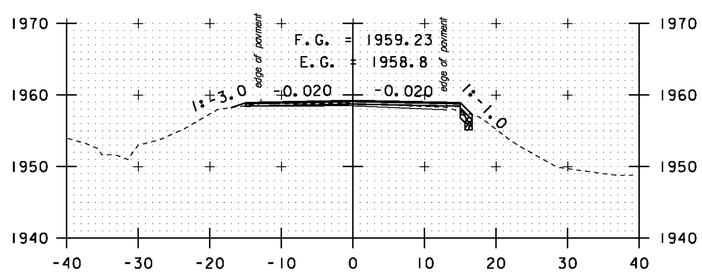



A 112+00

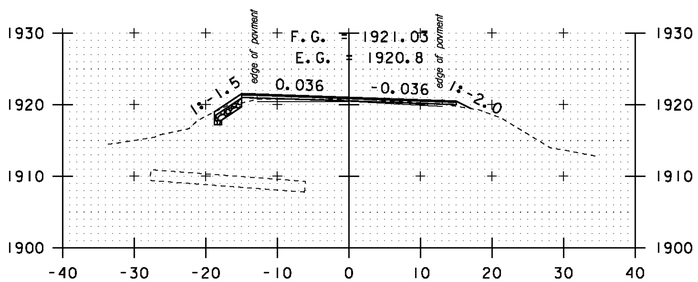
EXISTING GROUND (TYP.)




A 114+00

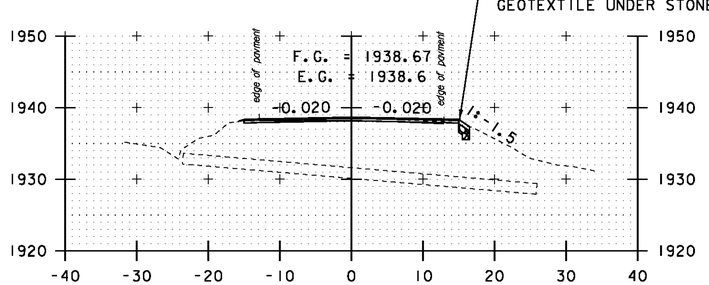



A 115+50

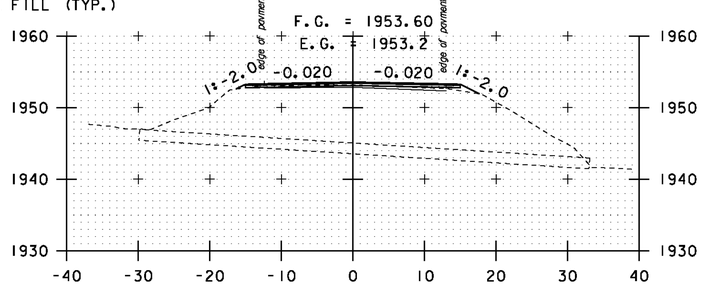



A 111+50

12" STONE FILL, TYPE I (TYP.)
6" GRUBBING MATERIAL (TYP.)
GEOTEXTILE UNDER STONE FILL (TYP.)




A 113+50




A 115+00

A 111+00

A 113+00

A 114+50

STA. A 111+00 TO STA. A 115+50

SCALE 1" = 10'-0

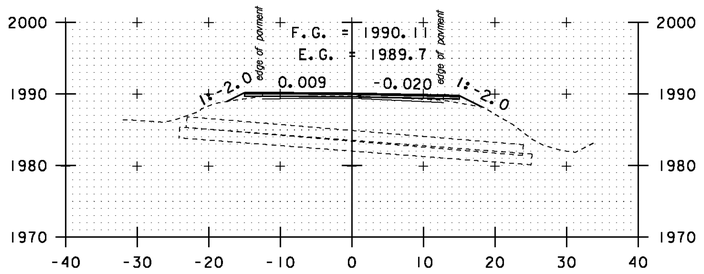
10 0 10

**CROSS SECTION SHEET 58**

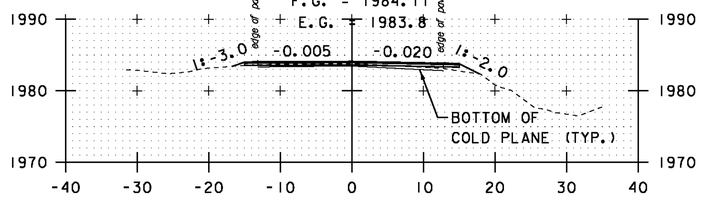
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_172.1

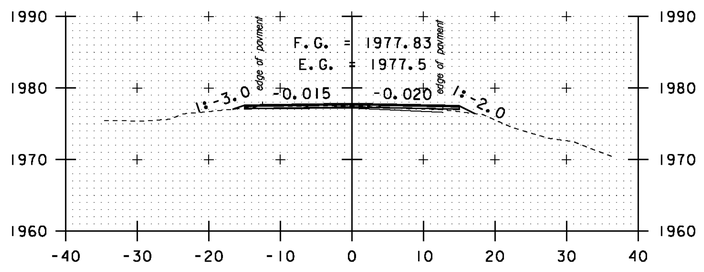
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 172 OF 178



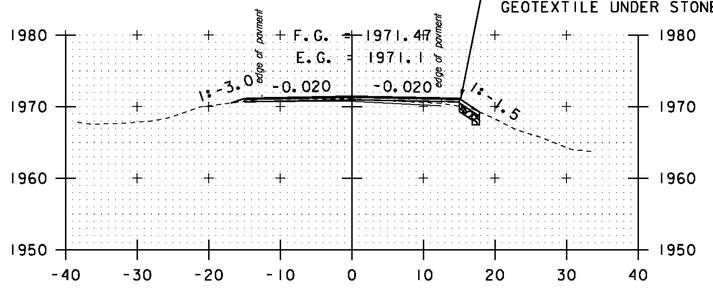

A 117+50



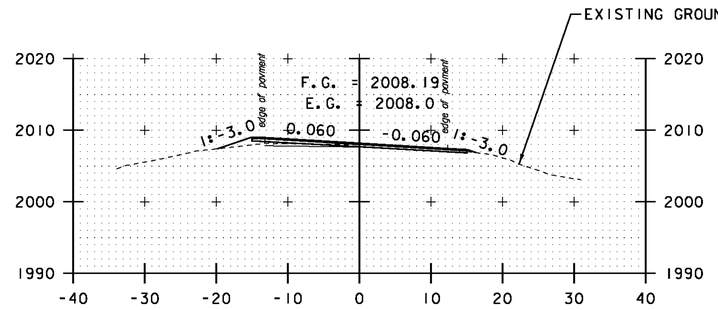

A 117+00



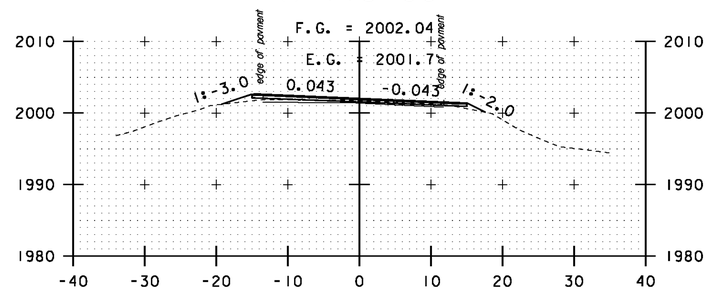

A 116+50



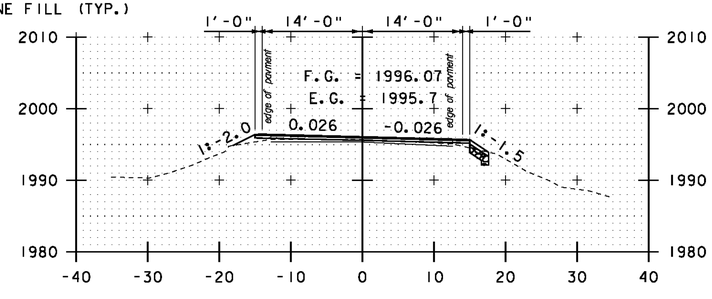

A 116+00



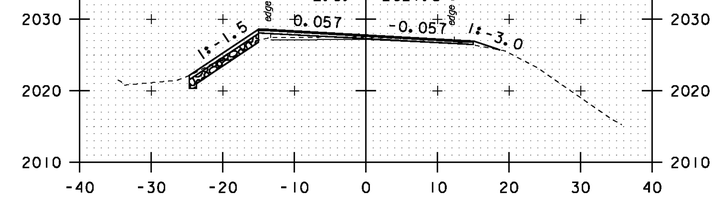

A 119+00



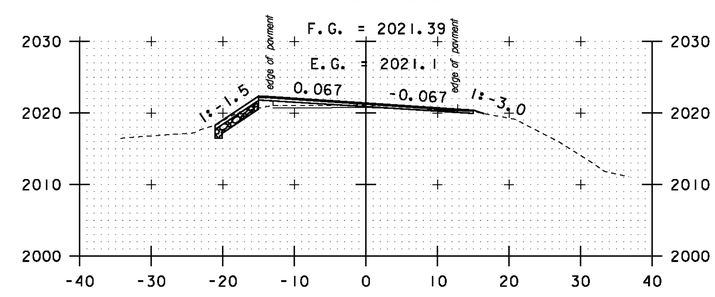

A 118+50



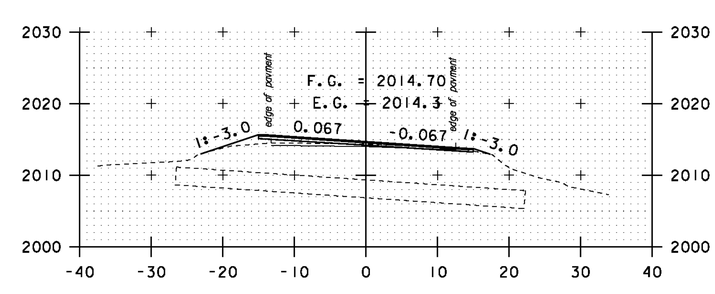

A 118+00




A 120+50




A 120+00




A 119+50

STA. A 116+00 TO STA. A 120+50

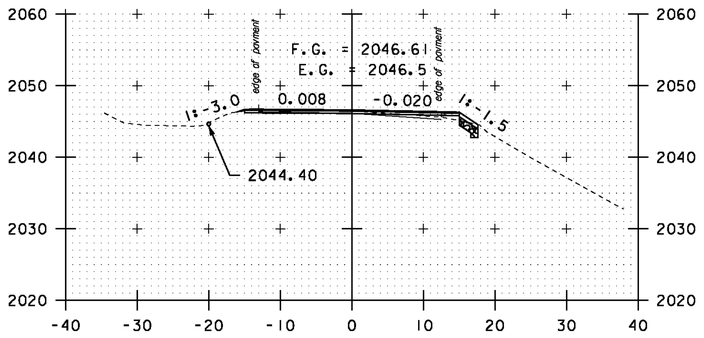
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 59**

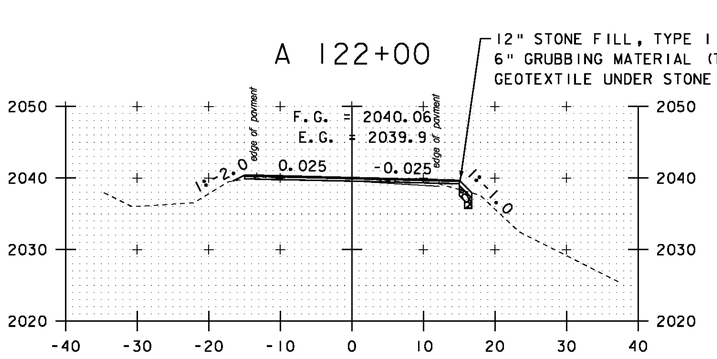
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_173.1

PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 173 OF 178

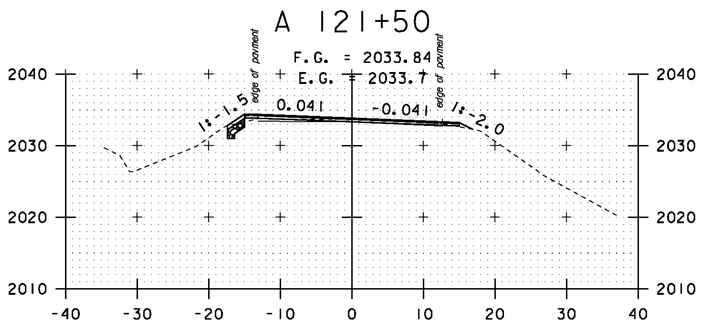



A 122+00

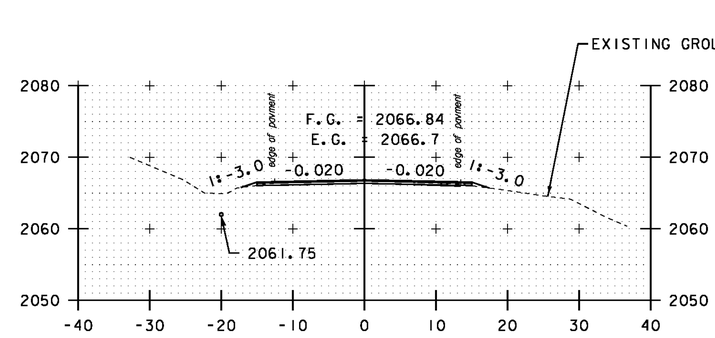



12" STONE FILL, TYPE I (TYP.)
6" GRUBBING MATERIAL (TYP.)
GEOTEXTILE UNDER STONE FILL (TYP.)

A 121+50

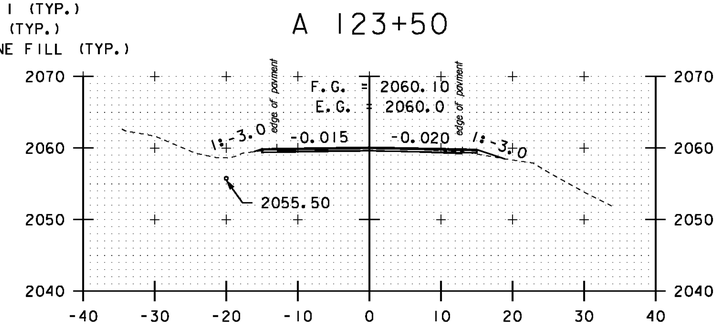



A 121+00

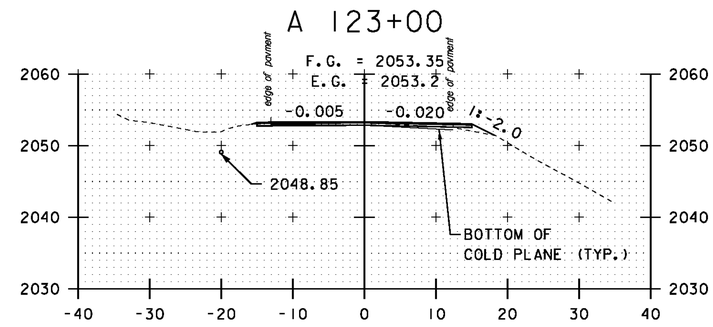



EXISTING GROUND (TYP.)

A 123+50

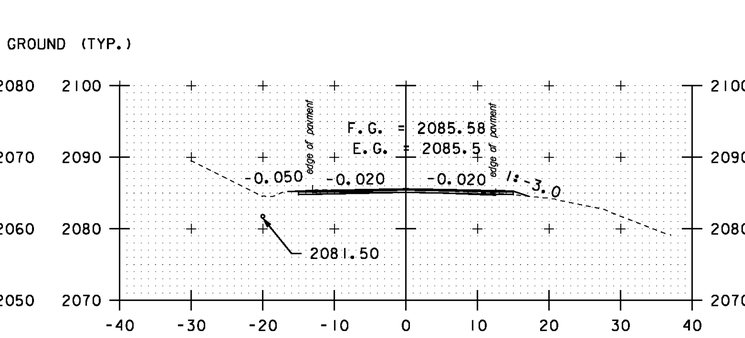



A 123+00

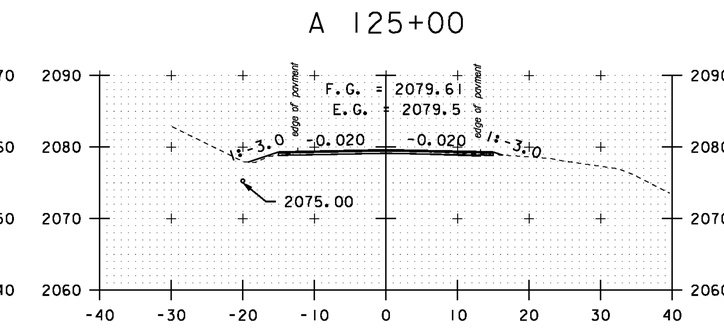



A 122+50

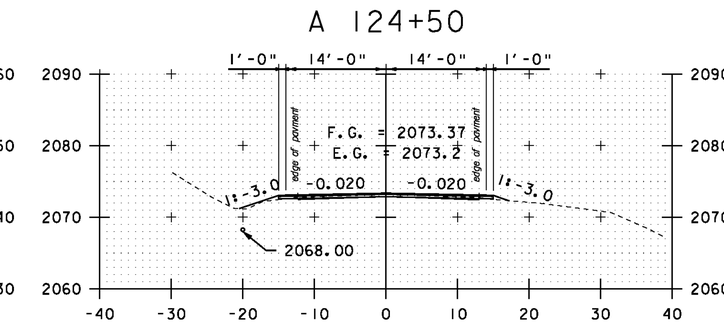
STA. A 121+00 TO STA. A 125+00




A 125+00




A 124+50




A 124+00

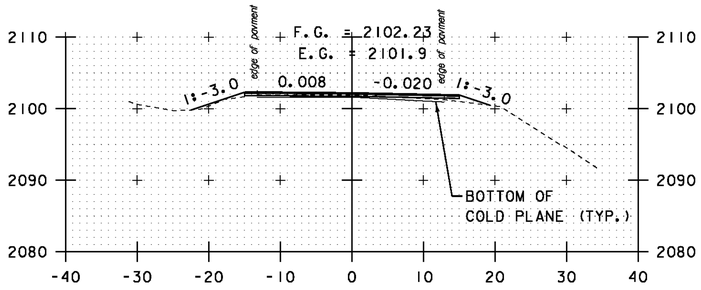
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 60**

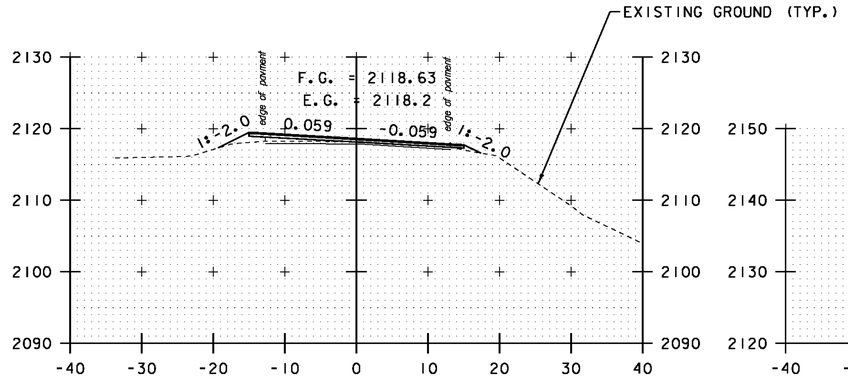
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_174.1

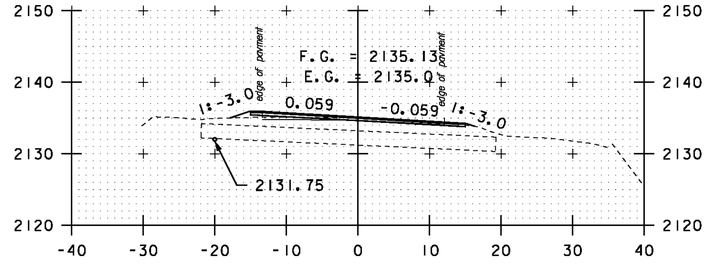
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 174 OF 178



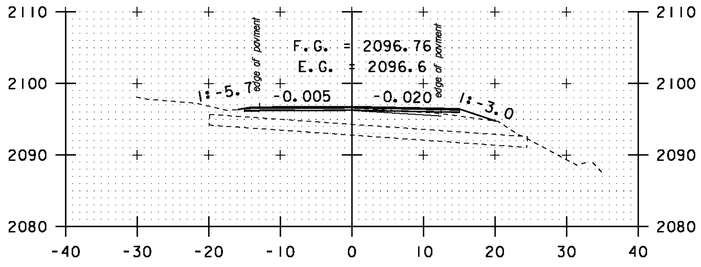

A 126+50



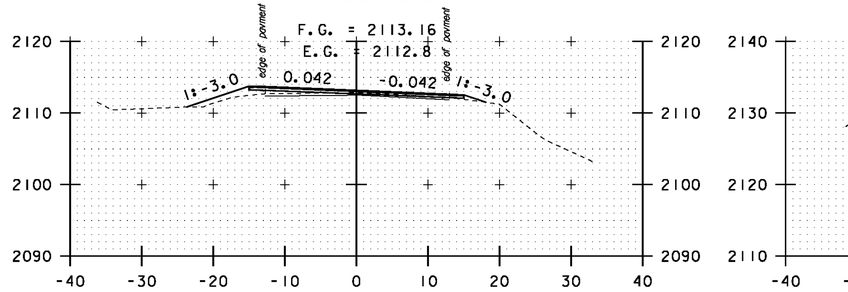

A 128+00



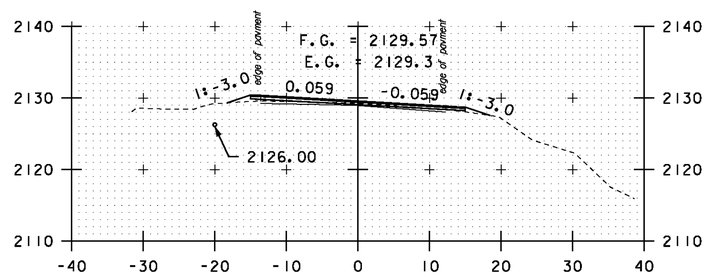

A 129+50



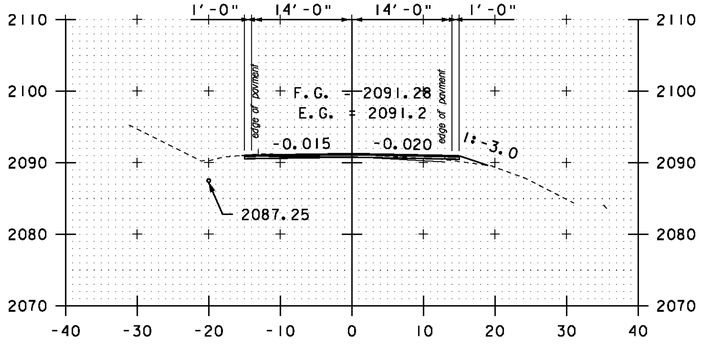

DRIVE LT
A 126+00



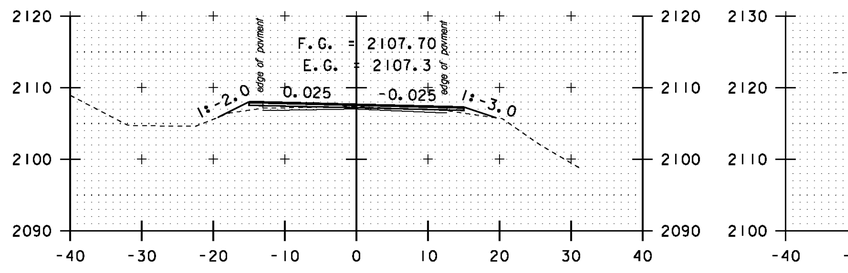

A 127+50



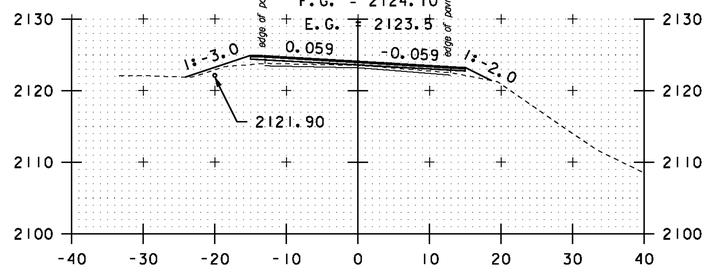

A 129+00




A 125+50




A 127+00




A 128+50

STA. A 125+50 TO STA. A 129+50

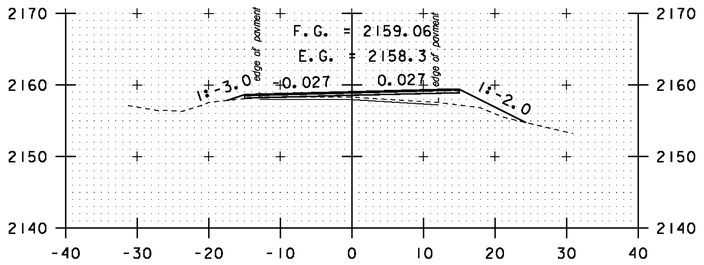
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 61**

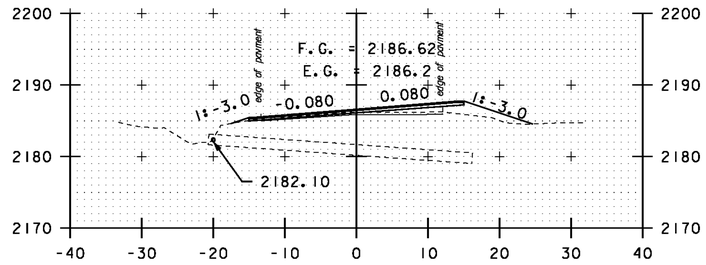
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10CI90.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10CI90_175.1

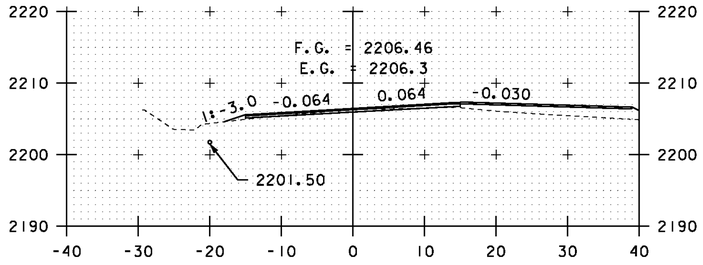
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 175 OF 178



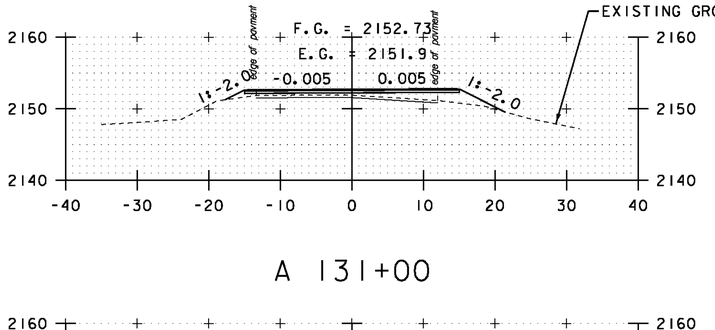

A 131+50



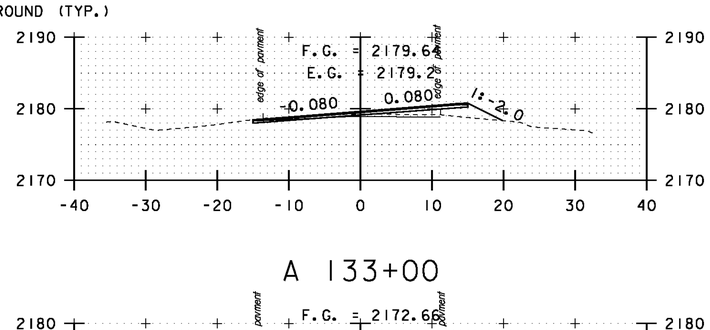

A 133+50



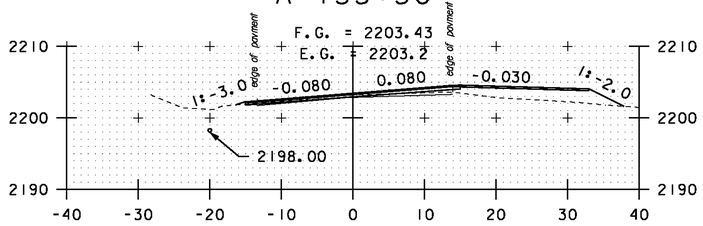

PULL OFF RT
A 135+50



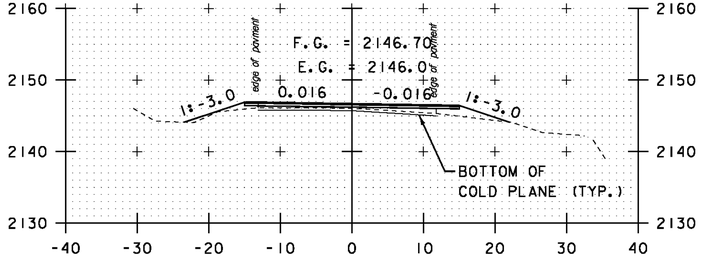

A 131+00



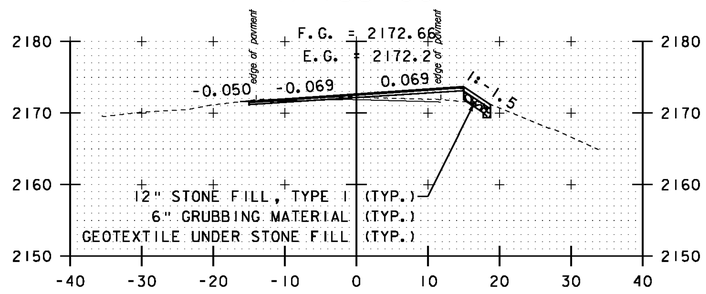

A 133+00



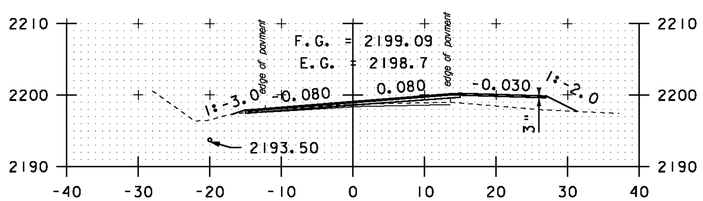

PULL OFF RT
A 135+00



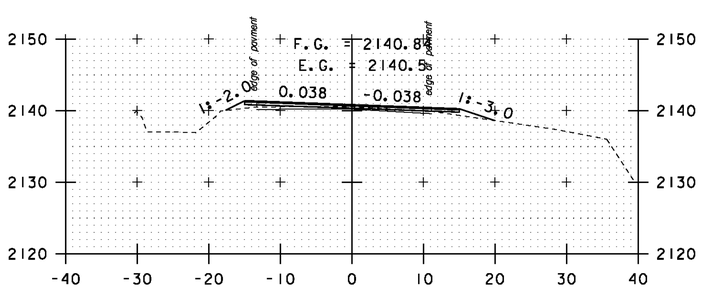

A 130+00



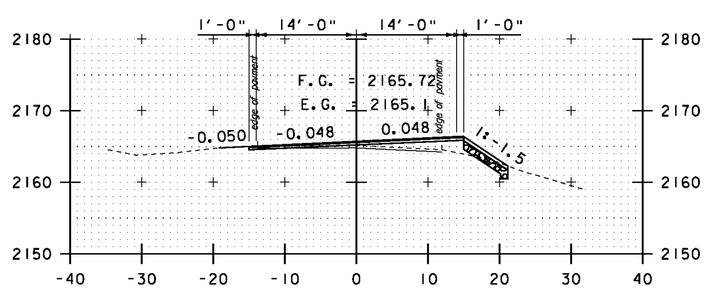

A 132+00



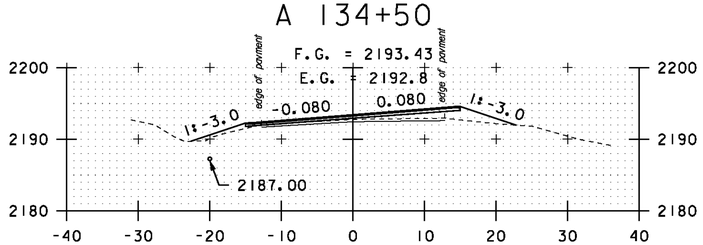

PULL OFF RT
A 134+50




A 130+50




A 132+50




A 134+00

STA. A 130+00 TO STA. A 135+50

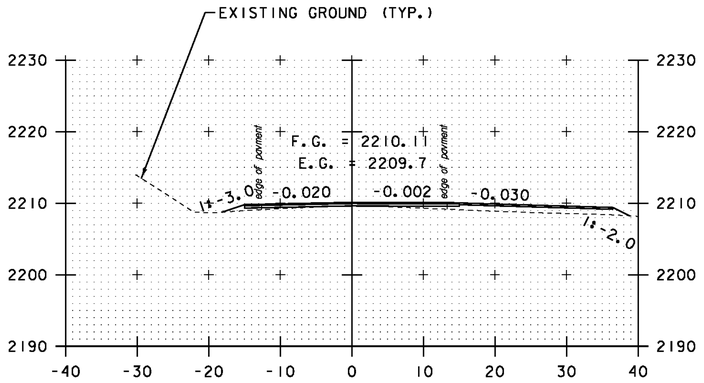
SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 62**

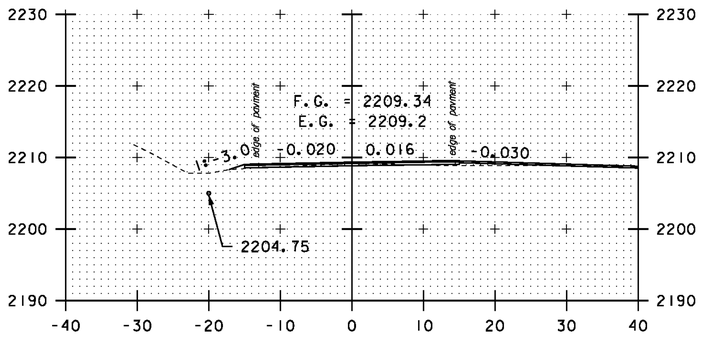
PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(I)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_176.I

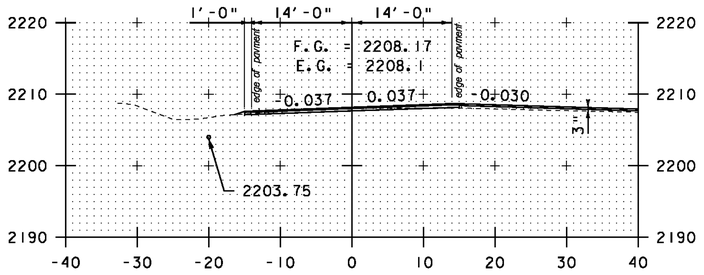
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 176 OF 178



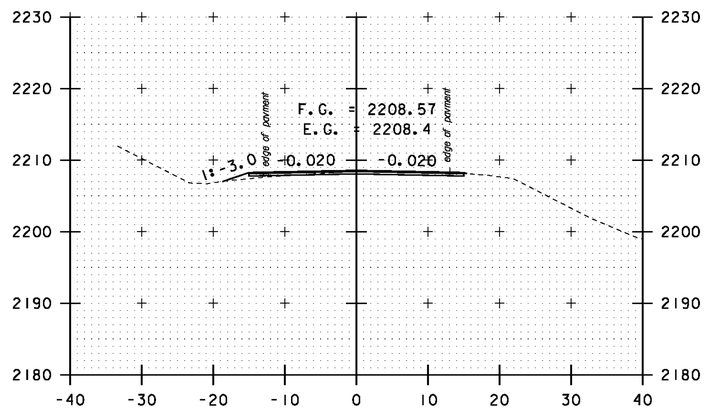

PULL OFF RT
A 137+00



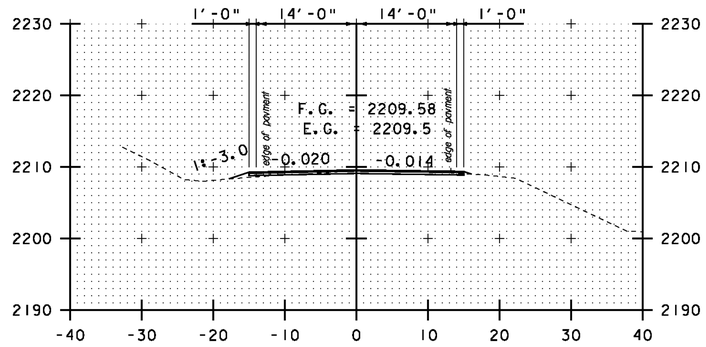

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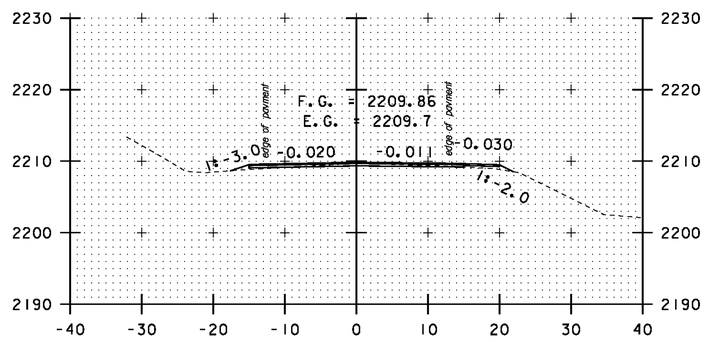

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A 136+00



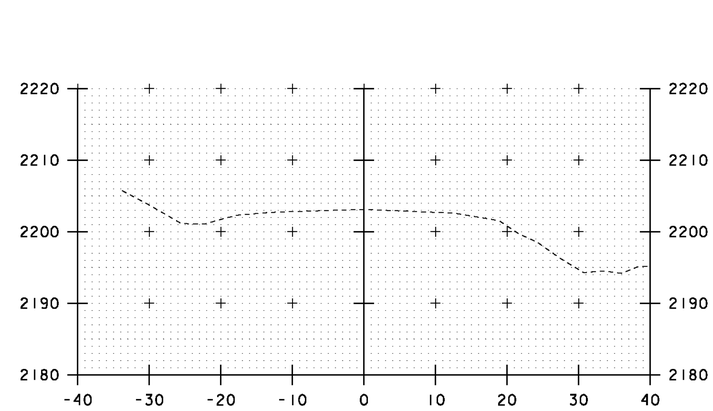

A 138+00



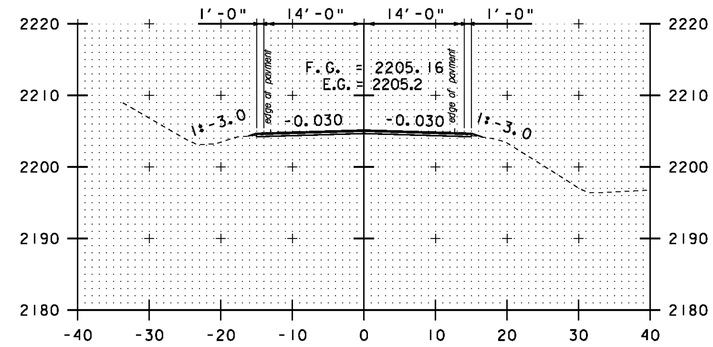

END RECLAIM
A 137+65



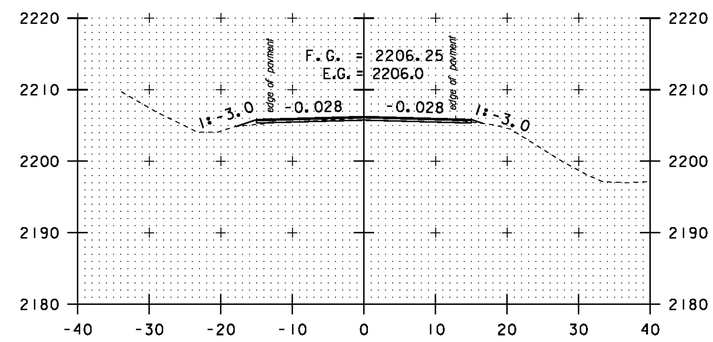

PULL OFF RT
A 137+50



A 139+00




END PROJECT
A 138+65




A 138+50

STA. A 136+00 TO STA. A 139+00

SCALE 1" = 10'-0
10 0 10

**CROSS SECTION SHEET 63**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906(1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_177.1

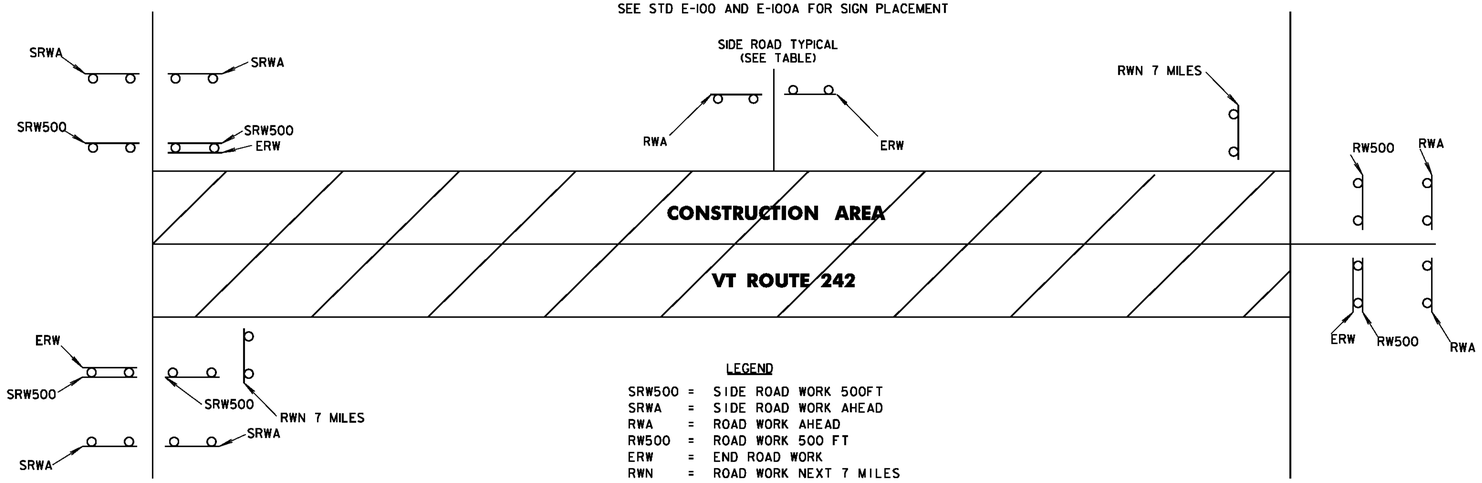
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 177 OF 178

## VT ROUTE 118

## CONSTRUCTION APPROACH SIGNING

NOT TO SCALE

SEE STD E-100 AND E-100A FOR SIGN PLACEMENT




LEGEND

| | | |
|---|---|---|
| SRW500 | = | SIDE ROAD WORK 500FT |
| SRWA | = | SIDE ROAD WORK AHEAD |
| RWA | = | ROAD WORK AHEAD |
| RW500 | = | ROAD WORK 500 FT |
| ERW | = | END ROAD WORK |
| RWN | = | ROAD WORK NEXT 7 MILES |

| | ROAD WORK AHEAD | END ROAD WORK | ROAD WORK 500 FT | SIDE ROAD WORK AHEAD | SIDE ROAD WORK 500 FT | ROAD WORK NEXT 7 MILES |
|---|---|---|---|---|---|---|
| **MONTGOMERY** | | | | | | |
| BEGIN PROJECT (VT 118) | | 2 | | 4 | 4 | 1 |
| HART RD | 1 | 1 | | | | |
| PURRIER FARM RD | 1 | 1 | | | | |
| SHELDON FARM RD | 1 | 1 | | | | |
| LUTZ RD | 1 | 1 | | | | |
| KUNERT RD | 1 | 1 | | | | |
| COTE RD | 1 | 1 | | | | |
| MUNN RD | 1 | 1 | | | | |
| HANNAH CLARK BROOK RD | 1 | 1 | | | | |
| TH #19 | 1 | 1 | | | | |
| **END PROJECT** | 2 | 1 | 2 | | | 1 |
| | | | | | | |
| TOTALS | 11 | 12 | 2 | 4 | 4 | 2 |

### TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES AT ALL TIMES.
2. A MINIMUM LANE WIDTH OF 10 FT. SHALL BE MAINTAINED.
3. WHEN COLD PLANED BITUMINOUS PAVEMENT IS OPEN TO TRAFFIC, A "MOTORCYCLES USE CAUTION" SIGN, AS PER VAOT STANDARD E-102A, SHALL BE PROVIDED.
4. THE CONTRACTOR SHOULD LEAVE NO LONGITUDINAL DROP-OFFS DURING THE OVERNIGHT HOURS. THEREFORE, THE FULL ROADWAY WIDTH SHOULD BE COLD PLANED OR PAVED DURING THE DAILY WORK PERIOD. WHEN NECESSARY, DROP-OFF PROTECTION IN THESE AREAS SHALL CONFORM TO VAOT STANDARD E-108A.
5. MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES FOR EMERGENCY VEHICLES. MAINTAIN ACCESS TO ALL COMMERCIAL AND MUNICIPAL PROPERTIES DURING BUSINESS HOURS. ACCESS TO RESIDENTIAL PROPERTIES MAY BE RESTRICTED FOR A SHORT DURATION (A FEW HOURS). THIS WORK WILL BE COORDINATED WITH THE OWNER. COORDINATE MAJOR WORK ON COMMERCIAL OR MUNICIPAL ACCESSES WITH THE OWNER AT LEAST ONE WEEK PRIOR TO STARTING THE WORK. ALL ACCESSES SHALL ALSO BE KEPT FREE OF WORK AND TRAFFIC CONTROLLED BY UNIFORMED TRAFFIC OFFICERS OR FLAGGERS AS REQUIRED BY THE ENGINEER.
6. TRAFFIC SHALL NOT BE CHANGED FROM ONE TRAFFIC PATTERN TO THE NEXT TRAFFIC PATTERN UNTIL ALL TEMPORARY MARKINGS, SIGNING AND SIGNAL WORK ARE COMPLETED. ANY CONFLICTING MARKINGS SHALL BE REMOVED.
7. ALL PERMANENT SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROL MUST BE COMPLETELY COVERED.
8. ALL REASONABLE EFFORTS SHALL BE MADE TO ACCOMODATE PEDESTRIAN TRAVEL AT ALL TIMES. THIS CAN INCLUDE, BUT IS NOT LIMITED TO A DEDICATED PEDESTRIAN ESCORT, SIGNAGE AND CONED OFF WALKING AREAS WITHIN CLOSED LANES. FLAGGERS SHALL NOT BE USED AS PEDESTRIAN ESCORTS. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED IN A TEMPORARY TRAFFIC CONTROL ZONE, THE TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY. PAYMENT WILL BE INCLUDED IN THE UNIT PRICE FOR ITEM 641.10 TRAFFIC CONTROL.
9. PLEASE NOTE THAT THE UTO (UNIFORMED TRAFFIC OFFICER), UNDER AUTHORITY GRANTED BY LAW (TITLE 23 VSA) MAY DIRECT AND CONTROL TRAFFIC. SUITABLE EXAMPLES IN WORK MIGHT INCLUDE THE DIRECTION AND CONTROLS OF TRAFFIC AT INTERSECTIONS WHERE SIGNALS ARE NOT FUNCTIONING OR ARE MALFUNCTIONING. IN THESE CASES, THE PRESENCE OF THE BLUE LIGHT MAY NOT BE SUITABLE OR NECESSARY. THE WEARING OF DEPARTMENTALLY REQUIRED AND APPROVED REFLECTIVE GARMENTS IS REQUIRED.

### NOTES:

1. THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE PAID AS PART OF ITEM 641.10, "TRAFFIC CONTROL". THE TRAFFIC CONTROL PLAN SHALL BE IN COMPLIANCE WITH VAOT STANDARDS AND 2009 MUTCD. WHERE CONFLICTS EXIST, THE 2009 MUTCD SHALL GOVERN.
2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH THE TRAFFIC CONTROL NOTES AND PART 6 OF THE 2009 MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE PAID AS PART OF ITEM 641.10, "TRAFFIC CONTROL".
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 ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VAOT STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY:
   646.602, 646.612, 646.682, 646.692 - TEMPORARY PAVEMENT MARKINGS
   630.10 UNIFORMED TRAFFIC OFFICER, 630.15 - FLAGGERS
4. THE MUTCD 2009 AND ITS LATEST REVISIONS SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS, SIGNALS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL 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. CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.
6. AS THE PAVING OPERATION MOVES, THE FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FT FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY IF FLAGGING OPERATIONS CEASE FOR MORE THAN 15 MINUTES.
7. 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.
8. 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.
9. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
10. DIAMOND SHAPED SIGNS SHALL BE 4 FEET BY 4 FEET WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
11. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS.
12. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.

**DETAILS ARE NOT TO SCALE**

**CONSTRUCTION APPROACH SIGNING SHEET**

PROJECT NAME: MONTGOMERY-WESTFIELD
PROJECT NUMBER: STP 2906 (1)

FILE NAME: p10C190.dgn
PROJECT LEADER: CDL
DESIGNED BY: SJL
PLOT FILE: p10C190_178.1
PLOT DATE: 9/5/12
DRAWN BY: SJL
CHECKED BY: CDL
SHEET 178 OF 178