| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE<br>MORGAN | 10-126.70 | R1 |

# Commonwealth of Kentucky
# DEPARTMENT OF HIGHWAYS

## PLANS OF
## PROPOSED PROJECT

# WOLFE AND MORGAN COUNTIES

### MOUNTAIN PARKWAY (KY 9009)
### FROM KY 205 INTERCHANGE TO MILE POINT 59.2
### THESE PLANS ARE FOR GRADE, DRAIN AND SURFACING
### NHPP 0061 (067), FD52 119 9009 056–058, FD52 088 9009 057–060

## INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|---|---|
| 1 | LAYOUT SHEET |
| R2-R2K | TYPICAL SECTIONS-SUMMARY OF QUANTITIES |
| R3 | SHEET LAYOUT |
| R4-R50 | PLAN AND PROFILE SHEETS |
| R51 | RIGHT OF WAY SUMMARY SHEETS |
| R52-R54 | RIGHT OF WAY STRIP MAP SHEETS |
| R55-R56 | GEOMETRIC APPROVAL |
| R57-R62 | DETAIL SHEETS |
| R63-R129 | TRAFFIC CONTROL SHEETS |
| R129A-R129J | TRAFFIC CONTROL SHEETS FOR ALT EAST END TIE-IN |
| R130-R146 | EROSION CONTROL SHEETS |
| R147-R155 | COORDINATE CONTROL SHEETS |
| R156-R196 | SOIL PROFILE SHEETS |
| R197-R219 | PIPE DRAINAGE SHEETS |
| S1-S35 | STRUCTURES PLAN DRAWING NUMBER 27077 BRIDGE |
| S1-S35 | STRUCTURES PLAN DRAWING NUMBER 27079 BRIDGE |
| S1-S28 | STRUCTURES PLAN DRAWING NUMBER 27081 BRIDGE |
| S1-S27 | STRUCTURES PLAN DRAWING NUMBER 27082 BRIDGE |
| S1-S19 | STRUCTURES PLAN DRAWING NUMBER 27083 BRIDGE |
| S1-S5 | STRUCTURES PLAN DRAWING NUMBER 27084 DOUBLE 12' X 7' RCBC |
| S1-S6 | STRUCTURES PLAN DRAWING NUMBER 27085 6' X 5' RCBC |
| S1-S6 | STRUCTURES PLAN DRAWING NUMBER 27086 6' X 5' RCBC |
| T1-T21 | SIGNING AND STRIPING SHEETS |
| T1-T5 | LIGHTING SHEETS |
| X1-X414 | CROSS SECTION SHEETS |

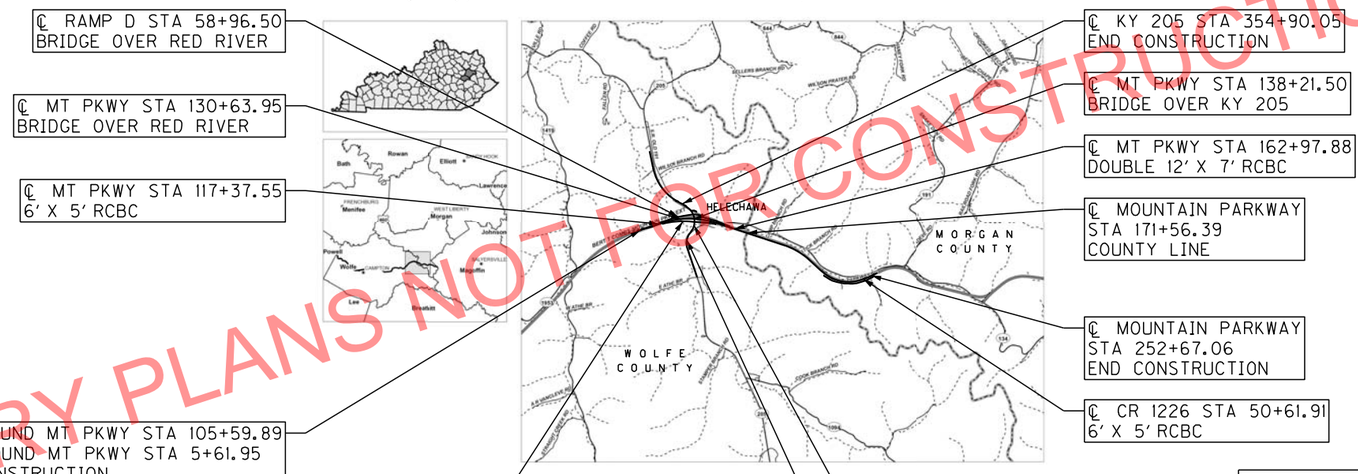
TOTAL SHEETS - 830

SHEETS NOT INCLUDED IN TOTAL SHEETS
R2A TO R2K
R129A to R129K

## STANDARD DRAWINGS

| NUMBER | | | | |
|---|---|---|---|---|
| RBB-002-09 | RBR-055 | RDI-004-04 | RDX-001-06 | TPM-130-03 |
| RBB-003-03 | RDB-001-12 | RDI-005-04 | RDX-002-04 | TPM-135-03 |
| RBC-002-03 | RDB-002-12 | RDI-006-04 | RDX-210-03 | TPM-140-03 |
| RBC-003-08 | RDB-005-09 | RDI-007-04 | RDX-220-05 | TPM-165 |
| RBC-005 | RDB-007-03 | RDI-008-04 | RDX-225-01 | TPM-170 |
| RBC-006 | RDB-008-04 | RDI-011-03 | RDX-230-01 | TPM-171 |
| RBE-100-14 | RDB-010-07 | RDI-012-03 | RFW-001-06 | TTC-100-04 |
| RBE-100-10 | RDB-105-06 | RDI-020-09 | RFW-005-08 | TTC-135-02 |
| RBE-040-10 | RDB-106-05 | RDI-021-01 | RGS-002-06 | TTC-150-03 |
| RBE-205-06 | RDB-280-06 | RDI-025-05 | RGX-001-06 | TTC-155-02 |
| RBI-001-11 | RDB-281-03 | RDI-026-01 | RGX-005-06 | TTS-105-02 |
| RBI-002-07 | RDB-282-04 | RDI-040-01 | RGX-010-04 | TTS-115-02 |
| RBI-004-05 | RDB-400-05 | RDI-041-01 | RGX-050-02 | |
| RBM-115-10 | RDB-410-06 | RDM-010-06 | RGX-060-01 | |
| RBR-001-12 | RDB-420-05 | RDM-012-03 | RGX-061-01 | |
| RBR-005-11 | RDD-040-05 | RDM-013-04 | RGX-065-02 | |
| RBR-010-06 | RDH-005-02 | RDM-055 | RGX-200-01 | |
| RBR-015-05 | RDH-020-03 | RDM-100-03 | RPM-110-07 | |
| RBR-020-06 | RDH-110-02 | RDP-001-06 | RPM-120-07 | |
| RBR-030-05 | RDI-001-10 | RDP-006-04 | TPM-105-03 | |
| RBR-035-11 | RDI-002-05 | RDP-007-04 | TPM-120-03 | |
| RBR-050-07 | RDI-003-05 | RDP-010-09 | TPM-125-03 | |

TOTAL STANDARD DRAWINGS - 100




## LAYOUT MAP

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

THIS PROJECT IS ON THE NH SYSTEM

PRELIMINARY PLANS NOT FOR CONSTRUCTION

## DESIGN CRITERIA

| | |
|---|---|
| CLASS OF HIGHWAY | RURAL ARTERIAL |
| TYPE OF TERRAIN | MOUNTAINOUS |
| DESIGN SPEED | 65 MPH |
| REQUIRED NPSD | 645 |
| REQUIRED PSD | N/A |
| LEVEL OF SERVICE | C |
| ADT PRESENT ( 2013 ) | 3900 |
| ADT FUTURE ( 2040 ) | 5400 |
| DHV | 590 |
| D % | 0.54 |
| T % | 21 |

## GEOGRAPHIC COORDINATES

LATITUDE 37 DEGREES 45 MINUTES 44 SECONDS NORTH
LONGITUDE 083 DEGREES 19 MINUTES 51 SECONDS WEST

## DESIGNED

| | |
|---|---|
| % RESTRICTED SD | N/A |
| LEVEL OF SERVICE | A |
| MAX. DISTANCE W/O PASSING | N/A |

**MOUNTAIN PARKWAY (WOLF COUNTY)**
LENGTH 6596.5 LIN. FT. 1.249 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES 551 LIN. FT.

**MOUNTAIN PARKWAY (MORGAN COUNTY)**
LENGTH 8110.67 LIN. FT. 1.536 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES LIN. FT.

**KY 205**
LENGTH 2435.05 LIN. FT. 0.461 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES 105 LIN. FT.

**CR 1226**
LENGTH 2895.88 LIN. FT. 0.548 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES LIN. FT.

**KY 191**
LENGTH 340.28 LIN. FT. 0.064 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES LIN. FT.

**RAMP A**
LENGTH 1689.85 LIN. FT. 0.320 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES 235 LIN. FT.

**RAMP B**
LENGTH 1313.77 LIN. FT. 0.249 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES LIN. FT.

**RAMP C**
LENGTH 2302.33 LIN. FT. 0.436 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES LIN. FT.

**RAMP D**
LENGTH 1932.38 LIN. FT. 0.365 MILES
ADDED / DEDUCTED — FOR EQUALITIES NOT INCLUDED LIN. FT.
RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES 165 LIN. FT.

**Commonwealth of Kentucky**
**DEPARTMENT OF HIGHWAYS**
**COUNTIES OF**
**WOLFE & MORGAN**

ITEM NO. 10-126.70
PROJECT NUMBER: NHPP 0061 (067), FD52 119 9009 056-058, FD52 088 9009 057-060
LETTING DATE:

RECOMMENDED BY: MARSHALL CARRIER, PE DATE: 9/23/16
PLAN APPROVED BY: DATE: 11/18/2016

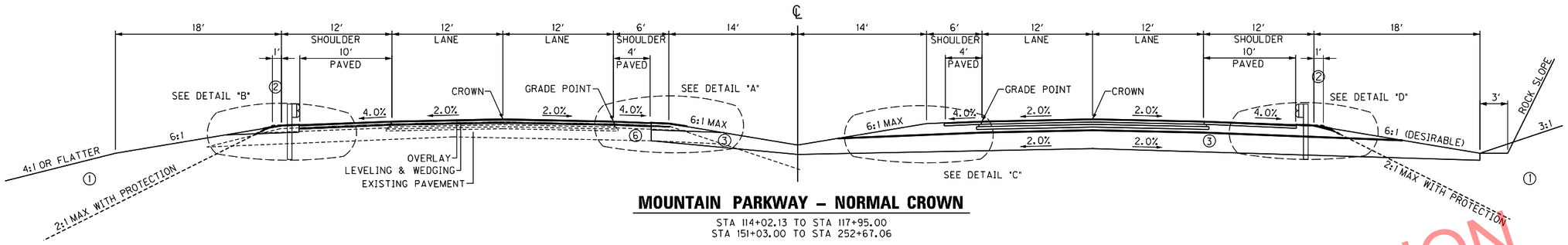
H.W. Lochner, Inc.
1040 Monarch Street
Suite 300
Lexington, Kentucky 40513

LOCHNER

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\ROOTOOLS.DGN
USER: BCOOMES
DATE PLOTTED: September 20, 2016
E-SHEET NAME: ROOTOOLS
MicroStation v8.11.9.832

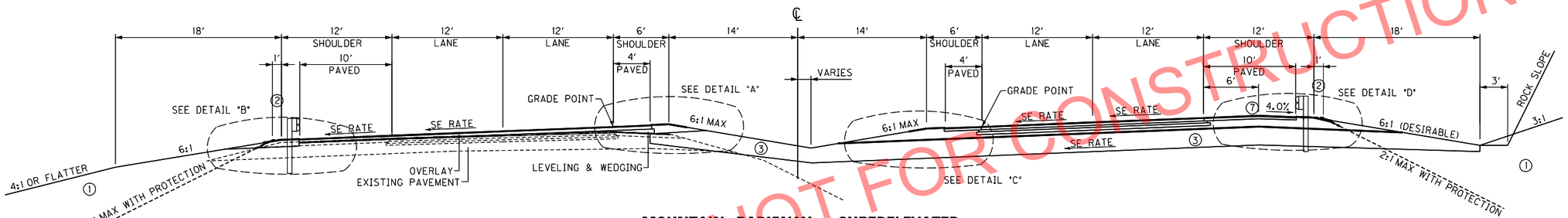
# TYPICAL SECTIONS

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2 |



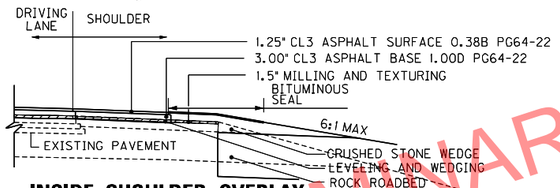

**MOUNTAIN PARKWAY – NORMAL CROWN**

STA 114+02.13 TO STA 117+95.00
STA 151+03.00 TO STA 252+67.06

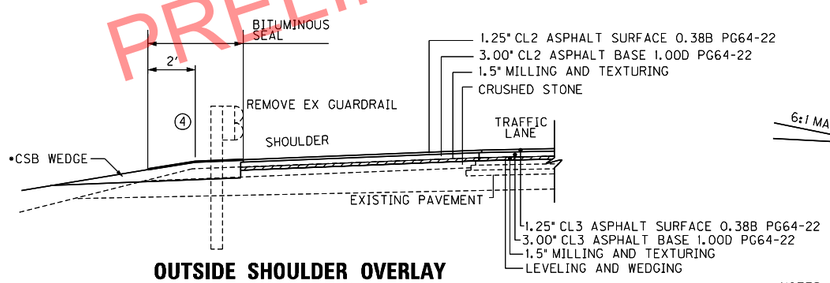



**MOUNTAIN PARKWAY – SUPERELEVATED**

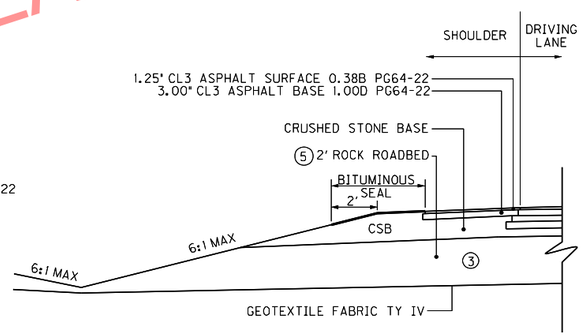
STA 114+02.13 TO STA 117+95.00
STA 151+03.00 TO STA 252+67.06



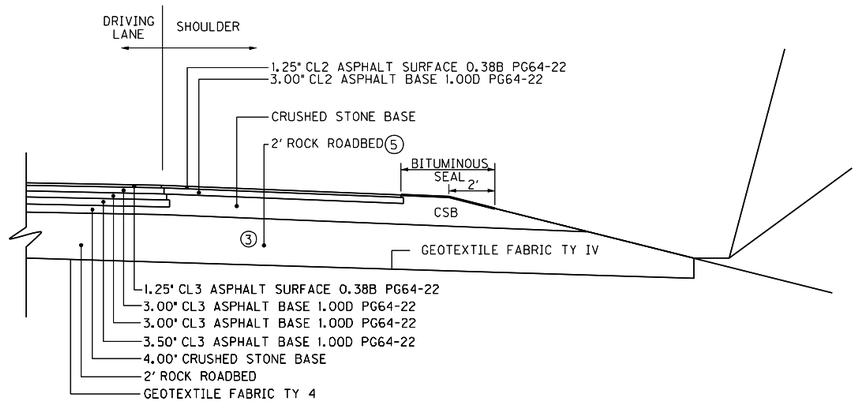

**INSIDE SHOULDER OVERLAY**
**DETAIL "A"**




**OUTSIDE SHOULDER OVERLAY**
**DETAIL "B"**




**INSIDE SHOULDER FULL DEPTH**
**DETAIL "C"**




**OUTSIDE SHOULDER FULL DEPTH DETAIL**
**DETAIL "D"**

•DETAIL "B" NOTE: CSB WEDGE BEHIND GUARDRAIL MAY BE 1.5:1 SLOPE, WILL REQUIRE BITUMINOUS SEAL FOR ENTIRE WIDTH OF WEDGE AND 7' GUARDRAIL POST.

## OVERLAY

1.25" CL3 ASPHALT SURFACE 0.38B PG64-22
3.00" CL3 ASPHALT BASE 1.00D PG64-22
LEVELING & WEDGING ⑨
1.5" MILLING & TEXTURING

## NEW PAVEMENT

1.25" CL3 ASPHALT SURFACE 0.38B PG64-22
3.00" CL3 ASPHALT BASE 1.00D PG64-22
3.00" CL3 ASPHALT BASE 1.00D PG64-22
3.50" CL3 ASPHALT BASE 1.00D PG64-22
4.00" CRUSHED STONE BASE
2' ROCK ROADBED
GEOTEXTILE FABRIC TY 4

NOTES:

① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER

② SHOULDER SHALL BE WIDENED 1' WHERE GUARDRAIL IS TO BE INSTALLED

③ ROCK ROADBED SHALL BE CONSTRUCTED TO DITCH LINE IN CUTS AND TO EDGE OF SHOULDER IN FILLS.

④ SEE PLANS FOR EXISTING GUARDRAIL REMOVAL LOCATIONS. AFTER GUARDRAIL REMOVAL, COMPACT DISTURBED SUBGRADE TO SPECIFICATION (INCIDENTAL TO GUARDRAIL REMOVAL BID ITEM).

⑤ A 2-FOOT THICK ROCK ROADBED SHALL BE CONSTRUCTED OF DURABLE SANDSTONE FROM THE ROADWAY EXCAVATION AND UNDERLAIN WITH GEOTEXTILE FABRIC TY IV.

NOTES:

⑥ INSIDE PVMT AND FULL DEPTH AND SHOULDER WIDENING REQUIRED FROM STA 228+72 TO STA 248+00

⑦ HIGH SIDE OUTSIDE SHOULDER SUPERELEVATION BREAK NOT REQ'D BETWEEN STA 117+26.15 AND STA 151+94.47

⑧ MILLING DEPTH MAY VARY AS DIRECTED BY THE ENGINEER TO ELIMINATE RUTTING.

⑨ LEVEL AND WEDGE TO BE UTILIZED ALONG WB LANES TO CORRECT VARIATIONS IN SLOPE, CROSS SLOPE, AND TO MAKE PROPOSED GRADE SEE CROSS SECTIONS FOR DETAILS.

NOT TO SCALE

BITUMINOUS SEAL -TWO APPLICATIONS OF THE FOLLOWING:

| | |
|---|---|
| ASPHALT SEAL COAT | 2.40 LBS/SY |
| ASPHALT SEAL AGGREGATE | 20 LBS/SY |

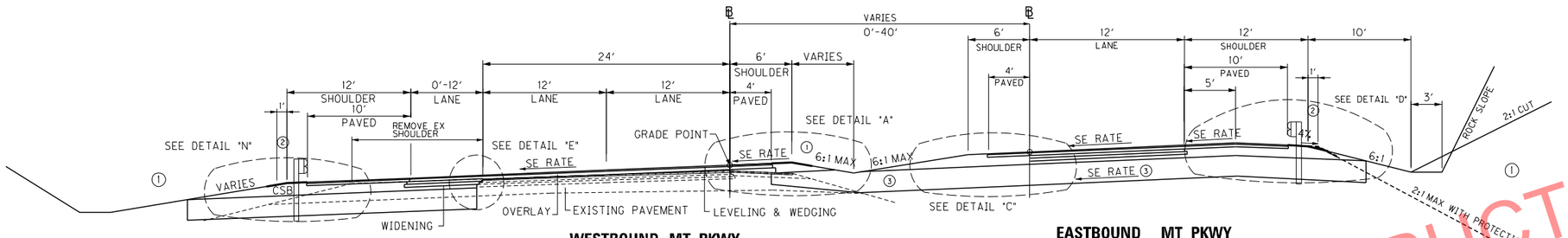
TYPICAL SECTIONS

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R00200TS.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R00200TS
MicroStation v8.11.9.832

# TYPICAL SECTIONS

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2A |

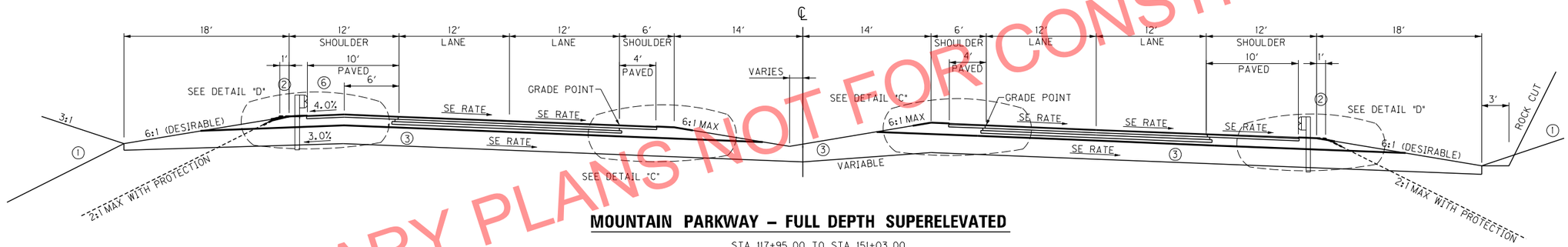



**WESTBOUND MT PKWY**

STA 5+61.95 TO STA 14+02.13

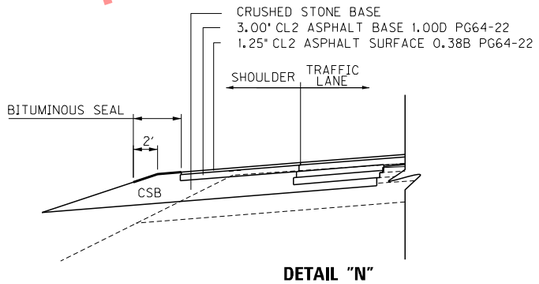
**EASTBOUND MT PKWY**

STA 105+59.89 TO STA 114+02.13




**MOUNTAIN PARKWAY – FULL DEPTH SUPERELEVATED**

STA 117+95.00 TO STA 151+03.00



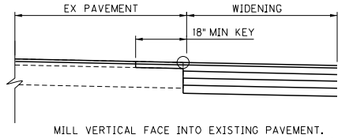

**DETAIL "N"**

NOTES:

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER
2. SHOULDER SHALL BE WIDENED 1' WHERE GUARDRAIL IS TO BE INSTALLED
3. ROCK ROADBED SHALL BE CONSTRUCTED TO DITCH LINE IN CUTS AND TO EDGE OF SHOULDER IN FILLS.

LOGITUDINAL EDGE KEY REQUIRED AT THE FOLLOWING LOCATIONS

WB STA. 10+39.87 LT TO MT PKWY STA. 117+26.15 LT, 686 L.F.
STA. 228+72 TO STA. 248+50 LT, 1978 L.F.

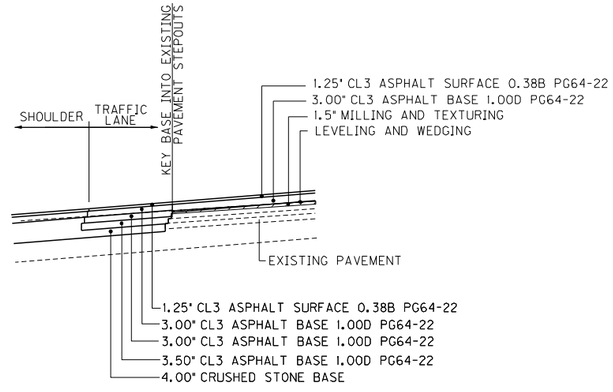



MILL VERTICAL FACE INTO EXISTING PAVEMENT.
MATCH BOTTOM OF BASE. CONTRACTOR RESPONSIBLE FOR VERIFYING EXISTING PAVEMENT DEPTHS.

**LONGITUDINAL EDGE KEY DETAIL**

NOTES:

4. SEE PLANS FOR EXISTING GUARDRAIL REMOVAL LOCATIONS. AFTER GUARDRAIL REMOVAL, COMPACT DISTURBED SUBGRADE TO SPECIFICATION (INCIDENTAL TO GUARDRAIL REMOVAL BID ITEM).
5. A 2-FOOT THICK ROCK ROADBED SHALL BE CONSTRUCTED OF DURABLE SANDSTONE FROM THE ROADWAY EXCAVATION AND UNDERLAIN WITH GEOTEXTILE FABRIC TY IV.
6. HIGH SIDE OUTSIDE SHOULDER SUPERELEVATION BREAK NOT REQ'D BETWEEN STA 117+26.15 AND STA 151+94.47




**DETAIL "E"**

NOT TO SCALE

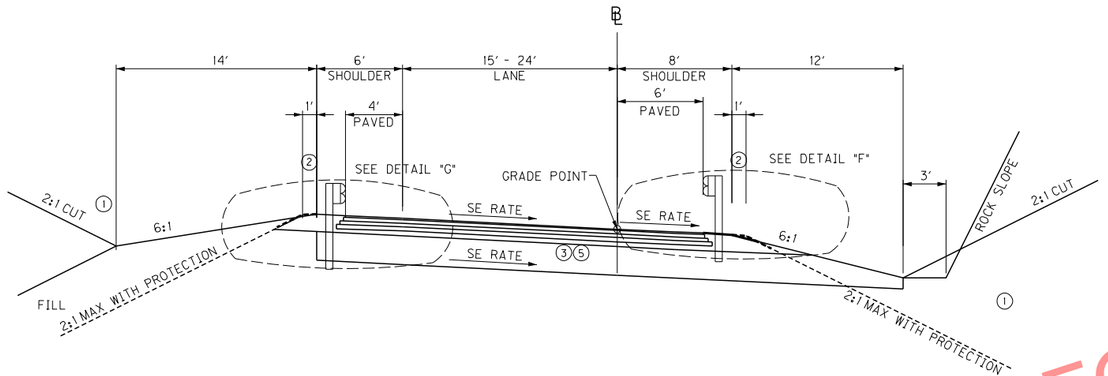
TYPICAL SECTIONS

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R002OATS.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R002OATS
MicroStation v8.11.9.832

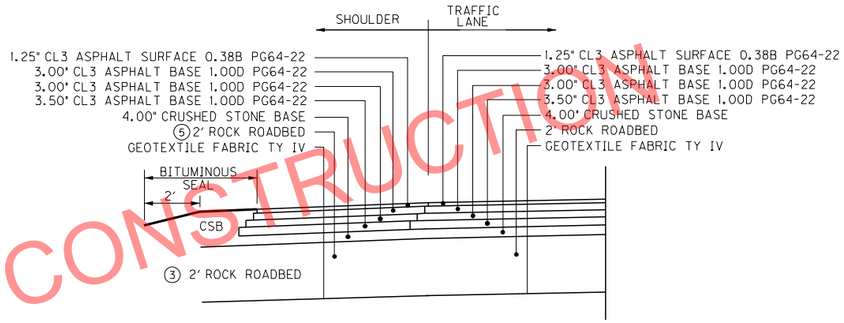
# RAMP TYPICAL SECTIONS

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2B |

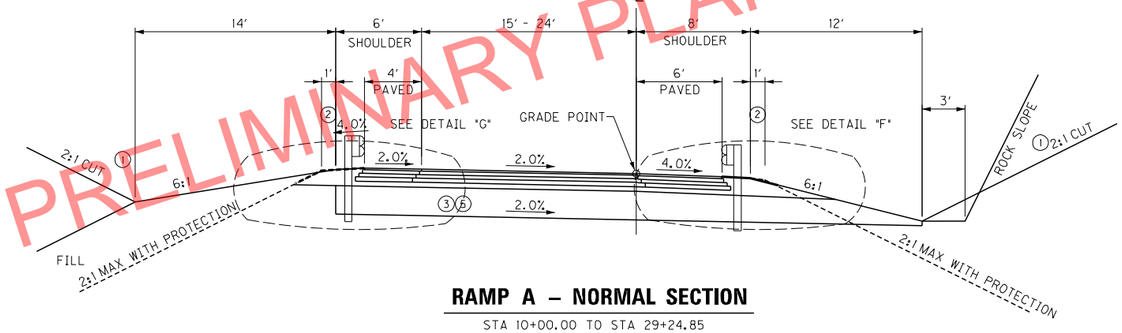



**RAMP A – SUPERELEVATED**

STA 10+00.00 TO STA 29+24.85

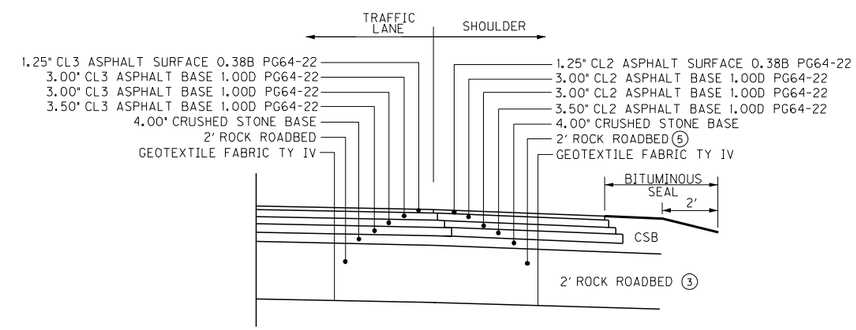



**DETAIL "G"**




**RAMP A – NORMAL SECTION**

STA 10+00.00 TO STA 29+24.85




**DETAIL "F"**

NOTES:

① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER

② SHOULDER SHALL BE WIDENED 1' WHERE GUARDRAIL IS TO BE INSTALLED

③ ROCK ROADBED SHALL BE CONSTRUCTED TO DITCH LINE IN CUTS AND TO EDGE OF SHOULDER IN FILLS.

NOTES:

④ SEE PLANS FOR EXISTING GUARDRAIL REMOVAL LOCATIONS. AFTER GUARDRAIL REMOVAL, COMPACT DISTURBED SUBGRADE TO SPECIFICATION (INCIDENTAL TO GUARDRAIL REMOVAL BID ITEM).

⑤ A 2-FOOT THICK ROCK ROADBED SHALL BE CONSTRUCTED OF DURABLE SANDSTONE FROM THE ROADWAY EXCAVATION AND UNDERLAIN WITH GEOTEXTILE FABRIC TY IV.

NOT TO SCALE

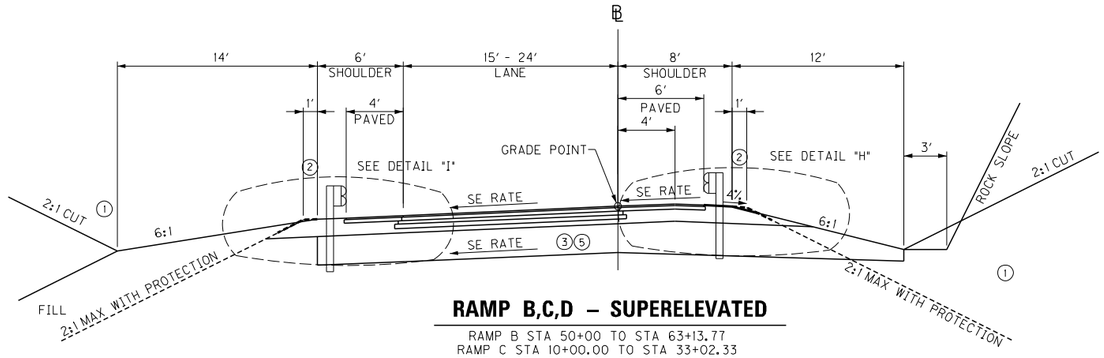
TYPICAL SECTIONS

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\EX\PRJ\0000008298\DESIGN\PLAN SET\R0020BTS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0020BTS
MicroStation v8.11.9.714

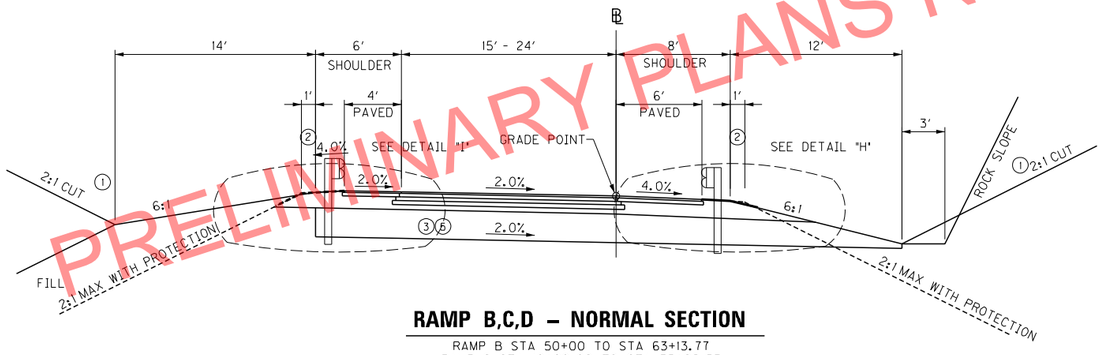
# RAMP TYPICAL SECTIONS

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2C |



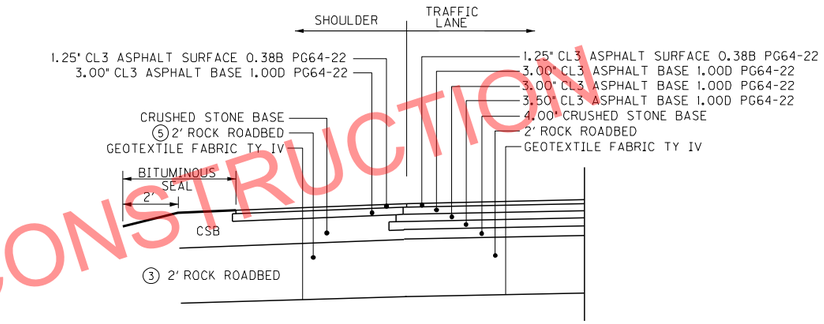

**RAMP B,C,D – SUPERELEVATED**

RAMP B STA 50+00 TO STA 63+13.77
RAMP C STA 10+00.00 TO STA 33+02.33
RAMP D STA 50+00.58 TO STA 70+97.38

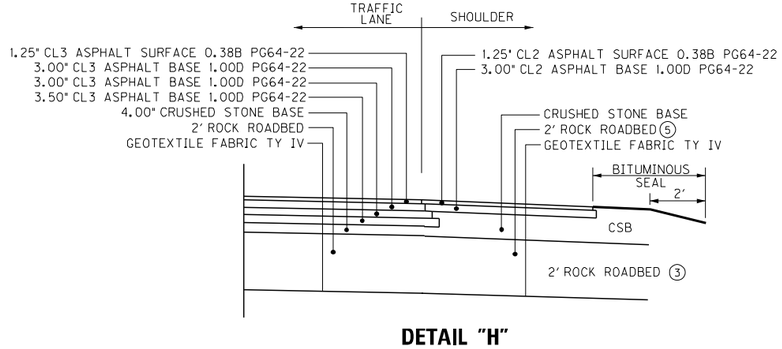



**RAMP B,C,D – NORMAL SECTION**

RAMP B STA 50+00 TO STA 63+13.77
RAMP C STA 10+00.00 TO STA 33+02.33
RAMP D STA 50+00.58 TO STA 70+97.38




**DETAIL "I"**




**DETAIL "H"**

NOTES:

① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER

② SHOULDER SHALL BE WIDENED 1' WHERE GUARDRAIL IS TO BE INSTALLED

③ ROCK ROADBED SHALL BE CONSTRUCTED TO DITCH LINE IN CUTS AND TO EDGE OF SHOULDER IN FILLS.

NOTES:

④ SEE PLANS FOR EXISTING GUARDRAIL REMOVAL LOCATIONS. AFTER GUARDRAIL REMOVAL, COMPACT DISTURBED SUBGRADE TO SPECIFICATION (INCIDENTAL TO GUARDRAIL REMOVAL BID ITEM).

⑤ A 2-FOOT THICK ROCK ROADBED SHALL BE CONSTRUCTED OF DURABLE SANDSTONE FROM THE ROADWAY EXCAVATION AND UNDERLAIN WITH GEOTEXTILE FABRIC TY IV.

NOT TO SCALE

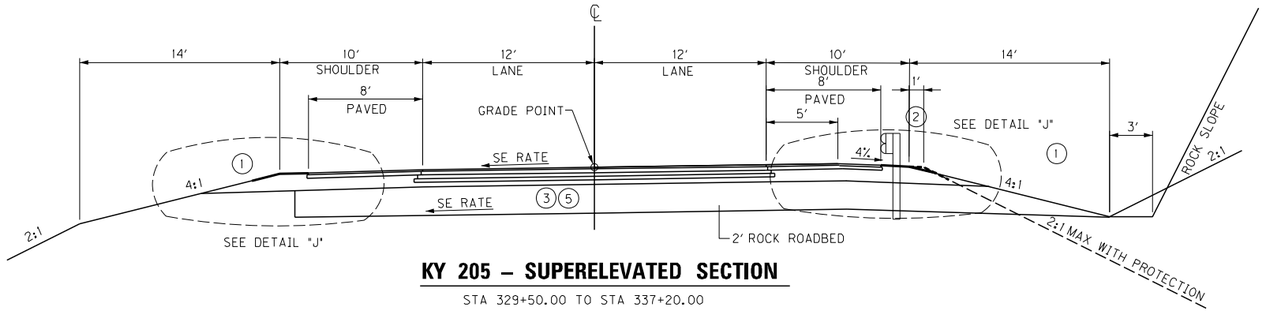
TYPICAL SECTIONS

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0020CTS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0020BTS
MicroStation v8.11.9.832

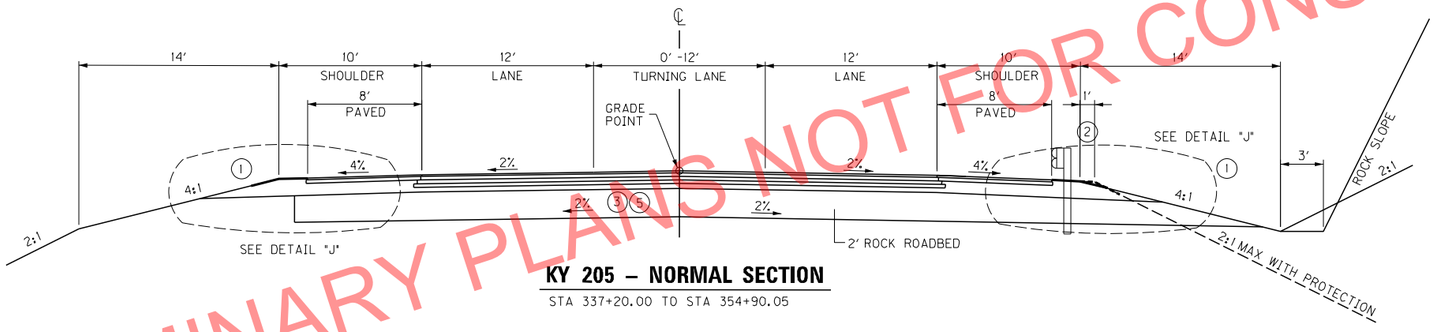
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2D |

# TYPICAL SECTIONS
# KY–205



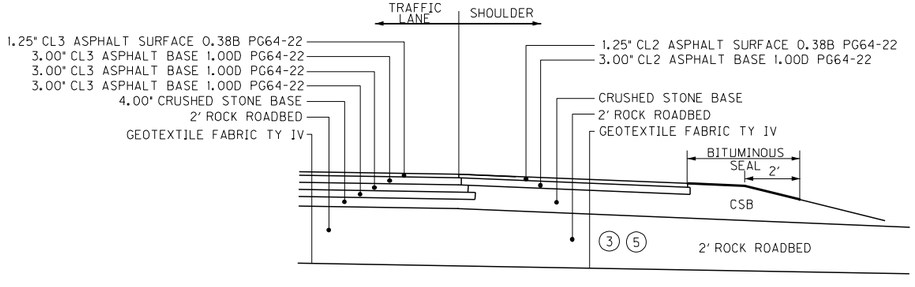

**KY 205 – SUPERELEVATED SECTION**

STA 329+50.00 TO STA 337+20.00




**KY 205 – NORMAL SECTION**

STA 337+20.00 TO STA 354+90.05




**DETAIL "J"**

NOTES:

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER
2. SHOULDER SHALL BE WIDENED 1′ WHERE GUARDRAIL IS TO BE INSTALLED
3. ROCK ROADBED SHALL BE CONSTRUCTED TO DITCH LINE IN CUTS AND TO EDGE OF SHOULDER IN FILLS.

NOTES:

4. SEE PLANS FOR EXISTING GUARDRAIL REMOVAL LOCATIONS. AFTER GUARDRAIL REMOVAL, COMPACT DISTURBED SUBGRADE TO SPECIFICATION (INCIDENTAL TO GUARDRAIL REMOVAL BID ITEM).
5. A 2-FOOT THICK ROCK ROADBED SHALL BE CONSTRUCTED OF DURABLE SANDSTONE FROM THE ROADWAY EXCAVATION AND UNDERLAIN WITH GEOTEXTILE FABRIC TY IV.

NOT TO SCALE

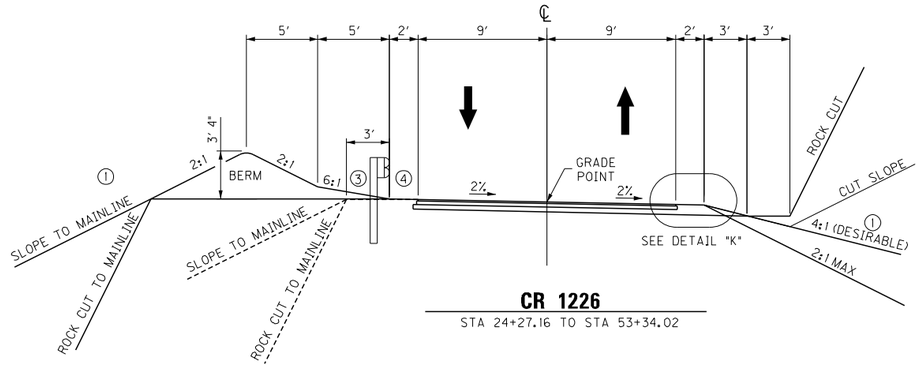
TYPICAL SECTIONS

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0020DTS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0020CTS
MicroStation v8.11.9.832

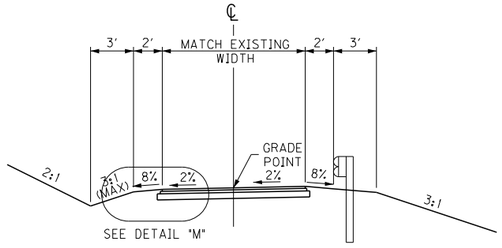
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2E |

# TYPICAL SECTIONS
# APPROACH ROADS




**CR 1226**

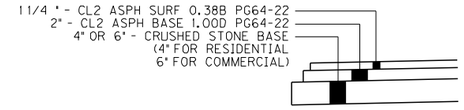
STA 24+27.16 TO STA 53+34.02



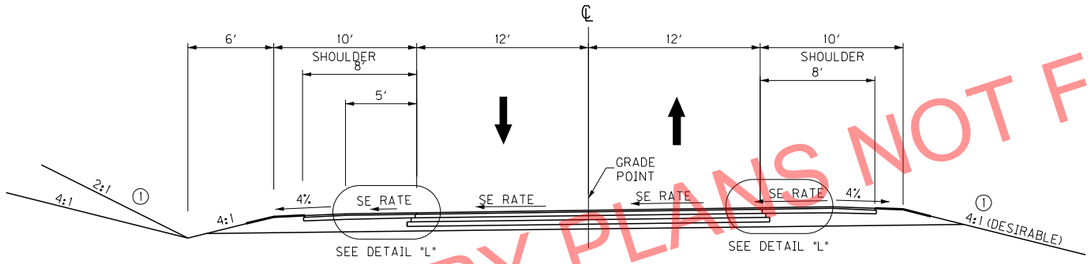

## RESIDENTIAL ENTRANCES

RESIDENTIAL ENTRANCES - NEW CONSTRUCTION

| | |
|---|---|
| CRUSHED STONE BASE | 4" DEPTH |
| CL2 ASPH BASE 1.00D PG64-22 | 2" DEPTH |
| CL2 ASPH SURF 0.38B PG64-22 | 1¼" DEPTH |

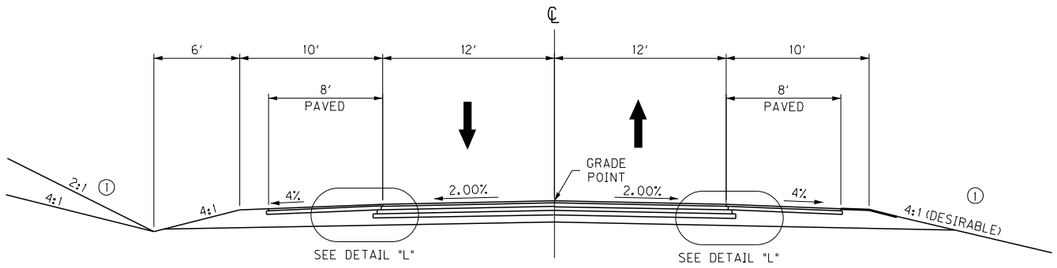



**DETAIL "M"**



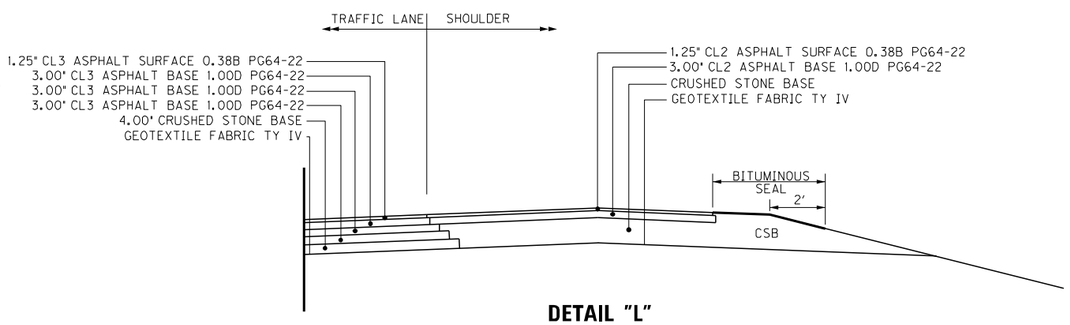

**KY 191**
**SUPERELEVATED SECTION**

STA 46+59.72 TO STA 50+00.00

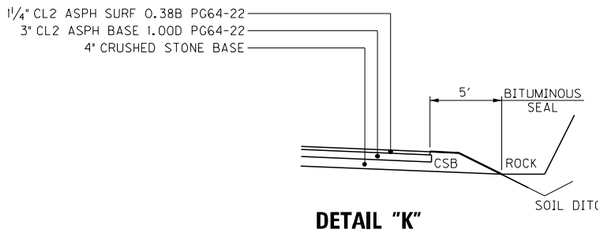



**KY 191**
**NORMAL SECTION**

STA 46+59.72 TO STA 50+00.00




**DETAIL "L"**




**DETAIL "K"**

NOTES:

① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER

② SHOULDER SHALL BE WIDENED 1′ WHERE GUARDRAIL IS TO BE INSTALLED

③ WHERE GUARDRAIL IS PROPOSED WIDEN SHOULDER BY 3 FEET

④ CSB WITH BITUMINOUS SEAL WHERE GUARDRAIL IS TO BE INSTALLED

NOT TO SCALE

APPROACH ROADS
TYPICAL SECTIONS

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0020ETS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0020DTS
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN WOLFE | 10-126.70 | R2F |

# GENERAL SUMMARY

| ITEM | DESCRIPTION | UNIT | MOUNTAIN PARKWAY (WOLFE) | KY 205 | KY 191 | RAMP A | RAMP B | RAMP C | RAMP D | WOLFE COUNTY TOTAL | | MOUNTAIN PARKWAY (MORGAN) | CR 1226 | MORGAN COUNTY TOTAL | | | TOTAL PROJECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1002 | PERFORATED PIPE-8 IN (9) | LF | 250 | | | | | | | 250 | | 250 | | 250 | | | 500 |
| 1825 | ISLAND CURB AND GUTTER | LF | 346.7 | 100 | | 220 | | | 90.3 | 757 | | | | | | | 757 |
| 1982 | DELINEATOR FOR GUARDRAIL M/W | EACH | 137 | | | 10 | 20 | 24 | 30 | 221 | | 76 | | 76 | | | 297 |
| 1983 | DELINEATOR FOR GUARDRAIL M/Y | EACH | 56 | | | 13 | | | 8 | 77 | | 5 | | 5 | | | 82 |
| 1987 | DELINEATOR FOR GUARDRAIL B/W | EACH | | 18 | | | | | | 18 | | | 18 | 18 | | | 36 |
| 2091 | REMOVE PAVEMENT | SQYD | 1676 | 2783 | | | | | | 4459 | | | | | | | 4459 |
| 2159 | TEMP DITCH | LF | 3720 | 1271 | 171 | 963 | 657 | 1152 | 1049 | 8980 | | 4056 | 1663 | 5719 | | | 14699 |
| 2160 | CLEAN TEMP DITCH | LF | 1860 | 636 | 86 | 482 | 329 | 576 | 525 | 4494 | | 2028 | 832 | 2860 | | | 7354 |
| 2200 | ROADWAY EXCAVATION (1) (13) | CUYD | 229815 | 13817 | 617 | 220816 | 3053 | 6318 | 21666 | 496102 | | 473769 | 119481 | 593249 | | | 1089352 |
| 2242 | WATER (4) | MGAL | 1409 | 481 | 65 | 365 | 249 | 436 | 397 | 3402 | | 1536 | 630 | 2166 | | | 5568 |
| 2262 | FENCE-WOVEN WIRE TYPE 1 | LF | 11958 | 715 | | | | | | 12673 | | 16259 | | 16259 | | | 28932 |
| 2265 | REMOVE FENCE | LF | 1395 | | | | | | | 1395 | | 8060 | | 8060 | | | 9455 |
| 2351 | GUARDRAIL-STEEL W BEAM-S FACE | LF | 6879.4 | 469.1 | | 548.2 | 1242.6 | 1450 | 1725 | 12314.3 | | 4300 | 750 | 5050 | | | 17364.3 |
| 2352 | GUARDRAIL-STEEL W BEAM-D FACE | LF | 575 | | | | | | | 575 | | | | | | | 575 |
| 2360 | GUARDRAIL TERMINAL SECTION NO 1 | EACH | 13 | | | | | 1 | 1 | 15 | | 1 | | 1 | | | 16 |
| 2363 | GUARDRAIL CONNECTOR TO BRIDGE END TYPE A | EACH | 8 | 4 | | 2 | | | 2 | 16 | | | | | | | 16 |
| 2367 | GUARDRAIL END TREATMENT TYPE 1 | EACH | 4 | 1 | | 1 | | 1 | 2 | 9 | | | | | | | 9 |
| 2371 | GUARDRAIL END TREATMENT TYPE 7 | EACH | | | | | | | | | | | 8 | 8 | | | 8 |
| 2373 | GUARDRAIL END TREATMENT TYPE 3 | EACH | | | | 1 | | | | 1 | | | | | | | 1 |
| 2381 | REMOVE GUARDRAIL (5) | LF | 9965.5 | | | | | | 1607.5 | 11537 | | 4929.5 | | 4929.5 | | | 16502.5 |
| 2387 | GUARDRAIL CONNECTOR TO BRIDGE END TYPE A-1 | EACH | 6 | | | 1 | | | 1 | 8 | | | | | | | 8 |
| 2391 | GUARDRAIL END TREATMENT TY 4A | EACH | | | | 2 | | | | 2 | | | | | | | 2 |
| 2399 | EXTRA LENGTH POST | EACH | | | | | | | | | | 688 | | 688 | | | 688 |
| 2429 | RIGHT-OF-WAY MONUMENT TYPE 1 | EACH | 20 | 8 | | | | | | 28 | | 18 | | 18 | | | 46 |
| 2432 | WITNESS POST | EACH | 3 | | | | | | | 3 | | 3 | | 3 | | | 6 |
| 2475 | PLUG WATER WELL | EACH | | | | | | | | | | | 1 | 1 | | | 1 |
| 2488 | CHANNEL LINING CLASS IV (3) | CUYD | 7408 | 899 | | 58 | | 592 | 1961 | 10918 | | 1289 | 568 | 1857 | | | 12774 |
| 2545 | CLEARING AND GRUBBING (2) | LS | 1 | | | | | | | 1 | | 1 | | 1 | | | 1 |
| 2585 | EDGE KEY | LF | 22 | | | | | | | 22 | | | 18 | 18 | | | 40 |
| 2568 | MOBILIZATION | LS | 1 | | | | | | | 1 | | 1 | | 1 | | | 1 |
| 2569 | DEMOBILIZATION | LS | 1 | | | | | | | 1 | | 1 | | 1 | | | 1 |
| 2596 | GEOTEXTILE FABRIC TYPE I | SQYD | 10383 | 822 | | | | | | 11205 | | | | | | | 11205 |
| 2599 | GEOTEXTILE FABRIC TYPE IV (7) | SQYD | 77920 | 13988 | 1764 | 5103 | 4977 | 7586 | 6833 | 118171 | | 104538 | | 104538 | | | 222709 |
| 2610 | RETAINING WALL-GABION | CUYD | | | | | | | | | | 49 | | 49 | | | 49 |
| 2600 | GEOTEXTILE FABRIC TYPE IV FOR PIPE | SQYD | 2924 | 1817 | | 104 | | 73 | 27 | 4945 | | 4527 | 108 | 4635 | | | 9580 |
| 2676 | MOBILIZATION FOR MILLING AND TEXTURING | LS | 1 | | | | | | | 1 | | 1 | | 1 | | | 1 |
| 2690 | SAFELOADING | CUYD | 83.8 | 8.7 | | | | | | 92.5 | | 24.8 | | 24.8 | | | 117.3 |
| 2696 | SHOULDER RUMBLE STRIPS-SAWED | LF | 22494 | 4027 | | 2074 | 2324 | 3324 | 2937 | 37180 | | 34268 | | 34268 | | | 71448 |
| 2701 | TEMP SILT FENCE | LF | 3720 | 1271 | 171 | 963 | 657 | 1152 | 1049 | 8980 | | 4056 | 1663 | 5719 | | | 14699 |
| 2703 | SILT TRAP TYPE A | EACH | 78 | 8 | | | | | | 86 | | 59 | 12 | 71 | | | 157 |
| 2704 | SILT TRAP TYPE B | EACH | 78 | 8 | | | | | | 86 | | 59 | 12 | 71 | | | 157 |
| 2705 | SILT TRAP TYPE C | EACH | 78 | 8 | | | | | | 86 | | 59 | 12 | 71 | | | 157 |
| 2706 | CLEAN SILT TRAP TYPE A | EACH | 78 | 8 | | | | | | 86 | | 59 | 12 | 71 | | | 157 |
| 2707 | CLEAN SILT TRAP TYPE B | EACH | 78 | 8 | | | | | | 86 | | 59 | 12 | 71 | | | 157 |
| 2708 | CLEAN SILT TRAP TYPE C | EACH | 78 | 8 | | | | | | 86 | | 59 | 12 | 71 | | | 157 |
| 2726 | STAKING | LS | 1 | | | | | | | 1 | | 1 | | 1 | | | 1 |
| 2731 | REMOVE STRUCTURE - KY 205 BRIDGE OVER STATE ROAD FORK | LS | | 1 | | | | | | 1 | | | | | | | 1 |
| 2731 | REMOVE STRUCTURE - MT PKWY BRIDGE OVER KY 205 | LS | 1 | | | | | | | 1 | | | | | | | 1 |
| 2731 | REMOVE STRUCTURE - MT PKWY BRIDGE OVER RED RIVER | LS | 1 | | | | | | | 1 | | | | | | | 1 |
| 2731 | REMOVE STRUCTURE - PARCEL 26 (WELL HOUSE) | LS | | | | | | | | | | | 1 | 1 | | | 1 |
| 2929 | CRASH CUSHION TYP IX | EACH | 2 | | | | | | | 2 | | | | | | | 2 |
| 5950 | EROSION CONTROL BLANKET | SQYD | 13225 | 4517 | 606 | 3422 | 2336 | 4094 | 3728 | 31929 | | 14420 | 5913 | 20332 | | | 52261 |
| 5952 | TEMP MULCH | SQYD | 250559 | 23814 | | | | | | 274373 | | 188726 | 35638 | 224364 | | | 498737 |
| 5953 | TEMP SEEDING AND PROTECTION | SQYD | 187920 | 17861 | | | | | | 205781 | | 141545 | 26729 | 168274 | | | 374055 |
| 5963 | INITIAL FERTILIZER | TON | 6.7 | 0.7 | | | | | | 7.4 | | 4.8 | 1.0 | 5.8 | | | 13.2 |
| 5964 | 20-10-10 | TON | 11.1 | 1.2 | | | | | | 12.3 | | 8.1 | 1.7 | 9.7 | | | 22.0 |
| 5985 | SEEDING AND PROTECTING | SQYD | 275581 | 16142 | | | | | | 291723 | | 200118 | 41785 | 241904 | | | 533627 |
| 5992 | AGRICULTURAL LIMESTONE | TON | 133.1 | 14.2 | | | | | | 14.3 | | 96.7 | 20.2 | 116.9 | | | 264.2 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

**NOTES:**

(1) EARTHWORK NOTES
EXCAVATION 1,089,352 CY YD
INCLUDES
ROCK EXCAVATION 636,310
EMB BENCH EXC 17,933 CU YD
TRANSVERSE BENCH EXC 4,841 CU YD
SURF DITCH/CHAN CHANGE 6,719 CU YD
INLET/OUTLET DITCHES (FROM PIPE DRAINAGE SUMMARY 1,859 CU YD
EMBANKMENT 547,170 CU YD
INCLUDES MOT EMB 12,292 CU YD

ROCK ROADBED 122,246 CU YD

ESTIMATE FOR EARTHWORK CALCULATIONS ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

(2) APPROX. 154 ACRES. WORK UNDER GEOTECHNICAL NOTE 20 CONSIDERED INCIDENTAL TO ITEM 2545

(3) INCLUDES QUANTITIES FROM PIPE DRAINAGE SUMMARY

(4) FOR DUST CONTROL

(5) REMOVED GUARDRAIL TO BE DELIVERED TO KYTC MAINTENANCE YARD.

(6) SEE GEOTECH NOTE NO. 22

(7) INCLUDES 1000 SY TO BE USED AT THE ENGINEER'S DISCRETION

(8) TO BE USED AT THE ENGINEER'S DISCRETION

(9) SEE GEOTECH NOTE NO. 21

(10) ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE INSTALLATION OF TEMPORARY SIGNS ARE INCIDENTAL TO ITEM 2562

(11) FOR RELOCATION AND USE OF EXISTING "MOUNTAIN PARKWAY" SIGNS

(12) FOR TEMPORARY LIGHTING OF THE TEMPORARY SIGNAL IN PHASE II, AND TEMPORARY LIGHTING OF THE PHASE II AND PHASE III CROSS OVERS

(13) SEE SHEETS 129A TO 129K FOR DETAILS

ALL STORM PIPES TO BE REMOVED UNLESS OTHERWISE SHOWN ON PLANS. CONTRARY TO STANDARD SPECIFICATIONS, THE REMOVAL OF PIPE & HEADWALLS ARE INCIDENTAL TO ITEM 2545 WHETHER SHOWN AS REMOVE OR NOT.

GENERAL SUMMARY

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\PLAN SET\R0020FSU.DGN
USER: BCOOMES
DATE PLOTTED: October 27, 2016
E-SHEET NAME: R0020FSU
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN WOLFE | 10-126.70 | R2G |

# GENERAL SUMMARY

| ITEM | DESCRIPTION | UNIT | MOUNTAIN PARKWAY (WOLFE) | KY 205 | KY 191 | RAMP A | RAMP B | RAMP C | RAMP D | WOLFE COUNTY TOTAL | | MOUNTAIN PARKWAY (MORGAN) | CR 1226 | MORGAN COUNTY TOTAL | | | TOTAL PROJECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8100 | CONCRETE CLASS A (8) | CUYD | 50 | | | | | | | 50 | | 50 | | 50 | | | 100 |
| 23274EN11F | TURF REINFORCEMENT MAT I | SQYD | | 272 | | | | | 560 | 832 | | | | | | | 832 |
| 10020NS | FUEL ADJUSTMENT | DOLL | | | | | | | | 168865 | | | | 165453 | | | 334318 |
| 10030NS | ASPHALT ADJUSTMENT | DOLL | | | | | | | | 165931 | | | | 131761 | | | 297692 |
| 20667ED | PNEUMATIC BACKSTOWING (6) | TON | 120 | | | | | | | 120 | | 120 | | 120 | | | 240 |
| 21289ED | LONGITUDINAL EDGE KEY | LF | 686 | | | | | | | 686 | | 1978 | | 1978 | | | 2664 |
| 24814EC | PIPELINE INSPECTION | LF | 1353 | 750 | | 55 | | 23 | 9 | 2190 | | 1775 | 68 | 1843 | | | 4033 |
| | | | | | | | | | | | | | | | | | |
| | **MAINTENANCE OF TRAFFIC** | | | | | | | | | | | | | | | | |
| 00001 | DENSE GRADED AGGREGATE BASE (6 IN) | TON | | | | | | | | 3699 | | | | | | | 3699 |
| 00212 | CL2 ASPH BASE 1.00 PG64-22 (3 IN) | TON | | | | | | | | 1728 | | | | | | | 1728 |
| 00307 | CL2 ASPH SURF 0.38B PG64-22 (1.25 IN) | TON | | | | | | | | 704 | | | | | | | 704 |
| 02003 | RELOCATE TEMP CONC BARRIER | LF | | | | | | | | 1900 | | | | | | | 1900 |
| 02014 | BARRICADE-TYPE III | EACH | | | | | | | | 6 | | | | | | | 6 |
| 02363 | TEMP GUARDRAIL END CONNECTION TYPE A | EACH | | | | | | | | 2 | | | | | | | 2 |
| 02381 | REMOVE GUARDRAIL | LF | | | | | | | | 2475.5 | | | | | | | 2475.5 |
| 02391 | GUARDRAIL END TREATMET TY 4A | EACH | | | | | | | | 5 | | | | | | | 5 |
| 02396 | REMOVE GUARDRAIL END TREATMENT | EACH | | | | | | | | 3 | | | | | | | 3 |
| 02397 | TEMP GUARDRAIL | LF | | | | | | | | 2475.5 | | | | | | | 2475.5 |
| 02562 | TEMPORARY SIGNS (10) | SQFT | | | | | | | | 746 | | | | 178 | | | 924 |
| 02650 | MAINTAIN & CONTROL TRAFFIC | LS | | | | | | | | 1 | | | | 1 | | | 1 |
| 02651 | PHASE 1 DIVERSION | LS | | | | | | | | 1 | | | | | | | 1 |
| 02651 | KY 205 DIVERSION | LS | | | | | | | | 1 | | | | | | | 1 |
| 02651 | TEMP RAMP B | LS | | | | | | | | 1 | | | | | | | 1 |
| 02651 | PHASE 3 DIVERSION | LS | | | | | | | | 1 | | | | | | | 1 |
| 02651 | PHASE 3 KY 205 DIVERSION | LS | | | | | | | | 1 | | | | | | | 1 |
| 02655 | PHASE 2 CROSSOVER | LS | | | | | | | | 1 | | | | | | | 1 |
| 02655 | PHASE 3 CROSSOVER | LS | | | | | | | | 1 | | | | | | | 1 |
| 02655 | TEMP RAMP C | LS | | | | | | | | 1 | | | | | | | 1 |
| 02655 | PHASE 4 CROSSOVER | LS | | | | | | | | 1 | | | | | | | 1 |
| 02671 | PORTABLE CHANGEABLE MESSAGE SIGN | EACH | | | | | | | | 1 | | | | 1 | | | 2 |
| 02898 | RELOCATE CRASH CUSHION | EACH | | | | | | | | 2 | | | | | | | 2 |
| 03171 | CONCRETE BARRIER WALL TYPE 9T | LF | | | | | | | | 560 | | | | 6160 | | | 6720 |
| 04934 | TEMP SIGNAL MULTI PHASE | EACH | | | | | | | | 1 | | | | | | | 1 |
| 06510 | PAVE STRIPING-TEMP PAINT-4 IN | LF | | | | | | | | 20702 | | | | | | | 20702 |
| 06511 | PAVE STRIPING-TEMP PAINT-6 IN | LF | | | | | | | | 77304 | | | | 37056 | | | 114360 |
| 06513 | PAVE STRIPING-TEMP PAINT-12 IN | LF | | | | | | | | 163 | | | | | | | 163 |
| 06531 | PAVE STRIPING REMOVAL-6 IN | LF | | | | | | | | 9769 | | | | | | | 9769 |
| 06533 | PAVE STRIPING REMOVAL-12 INCH | LF | | | | | | | | 163 | | | | | | | 163 |
| 06586 | PAVEMENT MARKER TYPE IVA-MY TEMP | EACH | | | | | | | | 134 | | | | | | | 134 |
| 06588 | PAVEMENT MARKER TYPE IVA-BY TEMP | EACH | | | | | | | | 452 | | | | | | | 452 |
| 08901 | CRASH CUSHION TYPE VI-BT TL2 | EACH | | | | | | | | 1 | | | | 6 | | | 7 |
| 08907 | CRASH CUSHION TYPE VII-BT TL3 | EACH | | | | | | | | 1 | | | | | | | 1 |
| 23274EN11F | TURF REINFORCEMENT MAT I | SQYD | | | | | | | | 1399 | | | | | | | 1399 |
| 20418ED | REMOVE & RELOCATE SIGNS (11) | EACH | | | | | | | | 5 | | | | | | | 5 |
| 20454NS835 | TEMPORARY LIGHTING (12) | LS | | | | | | | | 1 | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 02655 | TEMP ALTERNATE EAST END TIE-IN (13) | LS | | | | | | | | | | | | 1 | | | 1 |
| | | | | | | | | | | | | | | | | | |

**NOTES:**

(1) EARTHWORK NOTES
EXCAVATION 1,089,352 CY YD
INCLUDES
ROCK EXCAVATION 636,310
EMB BENCH EXC 17,933 CU YD
TRANSVERSE BENCH EXC 4,841 CU YD
SURF DITCH/CHAN CHANGE 6,719 CU YD
INLET/OUTLET DITCHES (FROM PIPE DRAINAGE SUMMARY 1,859 CU YD
EMBANKMENT 547,170 CU YD
INCLUDES MOT EMB 12,292 CU YD

ROCK ROADBED 122,246 CU YD

ESTIMATE FOR EARTHWORK CALCULATIONS ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

(2) APPROX. 154 ACRES. WORK UNDER GEOTECHNICAL NOTE 20 CONSIDERED INCIDENTAL TO ITEM 2545

(3) INCLUDES QUANTITIES FROM PIPE DRAINAGE SUMMARY

(4) FOR DUST CONTROL

(5) REMOVED GUARDRAIL TO BE DELIVERED TO KYTC MAINTENANCE YARD.

(6) SEE GEOTECH NOTE NO. 22

(7) INCLUDES 1000 SY TO BE USED AT THE ENGINEER'S DISCRETION

(8) TO BE USED AT THE ENGINEER'S DISCRETION

(9) SEE GEOTECH NOTE NO. 21

(10) ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE INSTALLATION OF TEMPORARY SIGNS ARE INCIDENTAL TO ITEM 2562

(11) FOR RELOCATION AND USE OF EXISTING "MOUNTAIN PARKWAY" SIGNS

(12) FOR TEMPORARY LIGHTING OF THE TEMPORARY SIGNAL IN PHASE II, AND TEMPORARY LIGHTING OF THE PHASE II AND PHASE III CROSS OVERS

(13) SEE SHEETS 129A TO 129K FOR DETAILS

ALL STORM PIPES TO BE REMOVED UNLESS OTHERWISE SHOWN ON PLANS. CONTRARY TO STANDARD SPECIFICATIONS, THE REMOVAL OF PIPE & HEADWALLS ARE INCIDENTAL TO ITEM 2545 WHETHER SHOWN AS REMOVE OR NOT.

PRELIMINARY PLANS NOT FOR CONSTRUCTION

GENERAL SUMMARY

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\PLAN SET\R0020GSU.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0020GSU
MicroStation v8.11.9.832

# PIPE DRAINAGE SUMMARY

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2H |

| SHEET NO. | STATION | SKEW | COVER HEIGHT | ENTRANCE PIPE 18 IN | ENTRANCE PIPE 24 IN | ENTRANCE PIPE 30 IN | CULVERT PIPE 24 IN | CULVERT PIPE 27 IN | CULVERT PIPE 36 IN | CULVERT PIPE 42 IN | CULVERT PIPE 48 IN | CULVERT PIPE 54 IN | STORM SEWER PIPE-18 IN | STORM SEWER PIPE-24 IN | STORM SEWER PIPE-30 IN | PIPE CULVERT HEADWALL-18 IN | PIPE CULVERT HEADWALL-24 IN | PIPE CULVERT HEADWALL-27 IN | PIPE CULVERT HEADWALL-30 IN | PIPE CULVERT HEADWALL-36 IN | PIPE CULVERT HEADWALL-42 IN | PIPE CULVERT HEADWALL-48 IN | PIPE CULVERT HEADWALL-54 IN | S&F BOX INLET OUTLET 18 IN | S&F BOX INLET OUTLET 36 IN | CURB BOX INLET TYPE B | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 5B MOD | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | JUNCTION BOX 18 IN | MANHOLE TYPE C | EXCAVATION ① | CHANNEL LINING CLASS IV ① | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ITEM CODE** | | | | 441 | 443 | 445 | 464 | 465 | 468 | 469 | 470 | 471 | 522 | 524 | 526 | 1204 | 1208 | 1210• | 1210 | 1212 | 1214 | 1216 | 24026EC | 1450 | 1453 | 1480 | 1490 | 1493 | 1505 | 1506 | 1538 | 1541 | 1642 | 1767 | 2200 | 2488 | |
| **UNIT TO BID** | | | | LINEAR FEET | | | | | | | | | | | | EACH | | | | | | | | | | | | | | | | | | | | | |
| | MOUNTAIN PKWY | WOLFE COUNTY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R6 | STA 114+70 | 0° 45'14" LT | 4.9 | | | | | | | | | | 69 | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | DBI GRADE H=3.46'; SLOPED & FLARED HDWL |
| R6 | STA 117+37.5 | 44° 38'22" RT | 3.7 | | | | | | 107 | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXTEND EX 6'x5' RCBC, SEE STRUCTURE PLANS |
| R6 | STA 119+75 | 0° | 6.9 | | | | | | | | | | 223 | | | | | | | | | | | | | | | | 1 | | | | | | | | TY 5B SAG H=6.54' |
| R10 | STA 122+01.1 | 5°19'43" LT | 5.1 | | | | | 47 | | | | | | 84 | | | | 1 | | | | | | | | | 1 | | | | 1 | | | | | | S&F HDWL: TY 5B MOD GRADE H=10.59'; TY 1 GRADE MOD APRON H=4.61' |
| R10 | STA 128+82.2 | 38° 46'49" LT | 4.7 | | | | | | | | | | 116 | | | | | | | | | | | | | 2 | | | | | 1 | | | | | | TY 7 H=5.77' |
| R10 | STA 130+29 | 0° | - | | | | | | | | | | 78 | | | 1 | | | | | | | | | | | | | | | | | 1 | | 15 | 51.4 | SLOPED & FLARED HDWL |
| R10 | STA 132+50 | - | - | | | | | | | | | | 77 | | | | | | | | | | | | | | 1 | | | | | | | | | | TY 1 GRADE H=3.00' |
| R14 | STA 133+30 | 0° | - | | | | | | | | | | 78 | | | 1 | | | | | | | | | | | | | | | | 1 | 1 | | 13.3 | TY 10 H=4.00'; S&F HDWL |
| R14 | STA 136+75 | 8° 35'34" LT | - | | | | | | | | | | 82 | | | 1 | | | | | | | | | | 2 | | | | | | | | | 18.8 | TY B 13.2 H=4.50' TY B 13.2 H=5.55'; S&F HDWL |
| R14 | STA 139+68.01 | 11° 43'31" LT | - | | | | | | | | | | 83 | | | 1 | | | | | | | | | | 2 | | | | | | | 1 | | 22 | TY B 13.2 H=4.50' TY B 5.2 H=5.55'; S&F HDWL |
| R14 | STA 141+75 | 0° | - | | | | | | | | | | 204 | | | | | | | | | | | | | | 1 | | | | | | | | | | TY 1 SAG H=3.00' |
| R20 | STA 151+48.85 | 0° 00'34" LT | 14.4 | | | | | | | | | 101 | | | | | | | | | | | | 2 | | | | | | | | | | | 22 | 36 | EXTEND EX 54" RCP |
| R24 | STA 155+66.3 | 0° 22'25" LT | 14.4 | | | | | 82 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 31 | 50 | EXTEND EX 27" RCP; S&F HDWL |
| R24 | STA 160+00 | 0° | 4.4 | | | | | | | | | | | 77 | | | 1 | | | | | | | | | | | | 1 | | | | | | | 11 | 60.2 | TY 5B SAG H=3.86'; S&F HDWL; SEE R119 KNOCK-OUTS REQ'D FOR TEMP DRAINAGE |
| R24 | STA 162+98 | 30° 46'06" RT | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1067 | 570 | EXTEND EX DBL 12'x7' RCBC SEE STRUCTURE PLANS |
| R27 | STA 170+50 | 0° | 5.1 | | | | | | | | | | 81 | | | 1 | | | | | | | | | | | | | 1 | | | | | | | 24.1 | TY 5B GRADE H=3.74'; S&F HDWL |
| | KY 205 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R47 | RT STA 334+87 | | 1.5 | | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R47 | RT STA 335+91 | | 1.0 | | 127 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R47 | RT STA 336+96.2 | | 1.0 | | | 30 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | | TYPE 1 FRAME & LID; 54" VAULT H=7.54' |
| R14 | STA 341+86.9 | 09° 22'31" RT | 5.6 | | | | | | | | | | | 218 | | | 1 | | | | | | | | | | 2 | | | | | | | | | 12 | TY 1 SAG H=3.00'; TY 1 SAG H=3.33' CROSSES RAMP A STA 28+49.2; S&F HDWL |
| R14 | STA 345+26 | 15° 21'56" RT | 6.1 | | | | | | | | | | 120 | 193 | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | TY 2 SAG H=4.00'; TY 1 SAG H=4.00' CROSSES RAMP D STA 51+10.5; S&F HDWL |
| R14 | STA 346+42.3 | 21° 22'27" RT | 5.0 | | | | | | 166 | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| R49 | STA 349+96.9 | 9° 55'27" LT | 3.8 | | | | | | | 53 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | EXTEND EX 42" RCP |
| R10 | RAMP A 20+91.1 | 3° 10'57" LT | 4.0 | | | | | | | | | | 44 | | | | | | | | | | | | | 1 | | | | | | | | | | | TY B,32.2 H=5.00' |
| R10 | RAMP A 23+84.6 | 0° 03'47" LT | - | | | | | | | | | | 21 | | | 1 | | | | | | | | | | 1 | | | | | | | | | 12.5 | TY B,5.2 H=4.75'; S&F HDWL |
| R20 | RAMP C 16+21.8 | 0° | 5.1 | | | | | | | | | | 46 | | | 1 | | | | | | | | | | | 1 | | | | | | | | | 50 | TY 1 SAG H=5.95' (NO APRON); S&F HDWL |
| R10 | RAMP D 57+75.4 | 0° | - | | | | | | | | | | 25 | | | 1 | | | | | | | | | | 1 | | | | | | | | | 11 | TY B,5.2 H=8.00'; S&F HDWL |
| R14 | KY 191 48+10.47 | 0° | 8.5 | | | 115 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 51 | 110 | |
| **WOLFE COUNTY TOTALS** | | | | | 214 | 30 | 115 | 129 | 273 | 53 | | 101 | 1347 | 572 | | 9 | 5 | 2 | 1 | | 1 | | 2 | | 2 | 9 | 7 | 1 | 4 | 1 | 1 | 1 | 3 | 1 | 1197 | 1041.3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MORGAN COUNTY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R27 | STA 178+83.6 | 0° 49'53" LT | 6.1 | | | | | | 98 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 51 | 106.5 | EXTEND EX 36" RCP |
| R29 | STA 180+38.6 | 0° 24'40" RT | 5.9 | | | | | | 110 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 51 | 102.5 | EXTEND EX 36" RCP |
| R29 | STA 184+15.2 | 0° | 7.9 | | | | | | | | | | 73 | 27 | | | 1 | | | | | | | | | | 1 | | | 1 | | | | | 43 | 63.1 | TY 5B MOD GRADE H=11.22'; TY 1 GRADE H=4.49', NO APRON: S&F HDWL |
| R31 | STA 195+14.3 | 0° 16'23" RT | 5.7 | | | | | | | | | | | | 169 | | | | 2 | | | | | | | | | | 1 | | | | | | 30 | 24.1 | TY 5B GRADE H=7.91' |
| R31 | STA 198+50 | 0° | 5.1 | | | | | | | | | | 67 | | 303 | | | | 1 | | | | | | 1 | | | | 1 | | | | | | 130 | 90 | TY 5B GRADE H=7.77' |
| R31 | STA 200+45.5 | 0° | 4.7 | | | | | | | | | | | | 75 | | | | | | | | | | | | | 1 | 1 | | | | | | | | TY 5B SAG H=6.50'; TY 2 SAG H=3.80' |
| R33 | STA 209+51.4 | 0° 17'17" LT | 4.8 | | | | | | | | | | 137 | | | 1 | | | | | | | | | 1 | | | | 1 | | | | | | 8 | 13.9 | TY 5B GRADE H=5.14' |
| R33 | STA 214+77.5 | 0° 02'14" LT | 4.4 | | | | | | | | 87 | | | | | | | | | | | | 2 | | | | | | | | | | | | 165 | 168.6 | EXTEND EX 48" RCP |
| R35 | STA 221+01.7 | 0° 47'34" LT | 5.4 | | | | | | 91 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 12.5 | EXTEND EX 36" RCP |
| R35 | STA 224+03.8 | 0° 09'30" LT | EX 5.8 | | | | | | | | | | 6 | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | EX 18" RCP; TY 5B GRADE H=3.78'; 18" STD CONC HDWL |
| R38 | STA 229+58 | 0° | 10.9 | | | | | | | | | | 73 | 140 | | | 1 | | | | | | | | | | | 2 | | | | | | | 173 | 43 | S&F HDWL; TY 1 GRADE H=6.01'; TY 1 SAG H=4.33' |
| R38 | STA 234+59.6 | 16° 07'27" LT | 4.5 | | | | | | 180 | | | | | | | | | | | 2 | | | | | | | | 1 | | | | | | | | | EXTEND EX 36" RCP; TY 2 GRADE H=5.86' |
| R41 | STA 240+81.8 | 0° 43'20" LT | 4.4 | | | | | | 154 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 30.3 | EXTEND EX 36" RCP |
| R41 | STA 244+71.7 | 0° | 6.3 | | | | | | | | | | 78 | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | EXTEND EX 18" RCP; TY 5B GRADE H=6.24' |
| R41 | STA 247+58.3 | 29° 35'10" LT | 4.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 162 | EXTEND EX 6'x5' RCBC, SEE STRUCTURE PLANS |
| R35 | CR 1226 24+90 | 0° | 2.3 | | | | | | | | | | 33 | | | 1 | | | | | | | | | | | 1 | | | | | | | | | 19.3 | TY 1, H=3.08' NO APRON; S&F HDWL |
| R38 | JC RD STA 5+24 | | 1.3 | 35 | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | SLOPED & FLARED HDWL SLOPED & PARALLEL HDWL |
| **MORGAN COUNTY TOTALS** | | | | 35 | | | | | 633 | | 87 | | 467 | 167 | 547 | 5 | 2 | | 3 | 9 | | 2 | | 3 | | | 2 | 4 | 6 | 1 | | | | | 662 | 835.8 | |
| **PROJECT TOTALS** | | | | 35 | 214 | 30 | 115 | 129 | 906 | 53 | 87 | 101 | 1814 | 739 | 547 | 14 | 7 | • 2 | 4 | 9 | 1 | 2 | 2 | 3 | 2 | 9 | 9 | 5 | 10 | 2 | 1 | 1 | 3 | 1 | 1859 | 1877.1 | |

DESIGN pH LEVEL ASSUMED TO BE MEDIUM

* PIPE CULVERT HEADWALL-27 IN TO BE BID AS PIPE CULVERT HEADWALL-30 IN (2 LOCATIONS)

① CARRIED OVER TO THE GENERAL SUMMARY.

DRAINAGE SUMMARY

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\PLAN SET\R0020HSU.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0020HSU
MicroStation v8.11.9.832

# PERFORATED PIPE DRAINAGE SUMMARY

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R21 |

| | MILEPOST OR STATIONS | PERFORATED PIPE-4 IN | NON-PERFORATED PIPE-4 IN | PERF PIPE HEADWALL TY 1-4 IN | PERF PIPE HEADWALL TY 2-4 IN | PERF PIPE HEADWALL TY 3-4 IN | PERF PIPE HEADWALL TY 4-4 IN | CRUSHED AGGREGATE SIZE NO 2 | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | **ITEM CODE** | 1000 | 1010 | 1020 | 1024 | 1028 | 1032 | 0078 | |
| | **UNIT TO BID ON** | LIN FT | | EACH | | | | TON | |
| | **WOLFE COUNTY** | | | | | | | | |
| | MOUNTAIN PARKWAY 119+85.85 | 60 | 58 | 1 | | | 1 | 2 | |
| | MOUNTAIN PARKWAY 159+90.94 | 48 | 26 | | | 1 | | 1 | |
| | RAMP A 11+25 | 14 | 14 | | | | 1 | 1 | |
| | RAMP D 68+64.42 | 21 | 10 | 1 | | | | 1 | |
| | KY 205 343+58.03 | 54 | 15 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY WB 131+99.73 | 40 | 12 | 1 | | | | 1 | |
| | MOUNTAIN PARKWAY EB 132+36.46 | 40 | 12 | 1 | | | | 1 | |
| | RAMP A 21+16 | 25 | 18 | 1 | | | | 1 | |
| | RAMP D 59+79 | 25 | 18 | 1 | | | | 1 | |
| | KY 205 338+55 | 45 | 12 | | 1 | | | 1 | |
| | MOUNTAIN PARKWAY 117+00 | 116 | 20 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY 120+00 | 101 | 12 | 1 | | | | 1 | |
| | MOUNTAIN PARKWAY 123+00 | 125 | 16 | 1 | | | | 1 | |
| | MOUNTAIN PARKWAY 126+00 | 106 | 20 | 1 | | | | 1 | |
| | MOUNTAIN PARKWAY 129+00 | 110 | 12 | 1 | | | | 1 | |
| | MOUNTAIN PARKWAY 166+50 | 38 | 18 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY 169+50 | 38 | 18 | | | | 1 | 1 | |
| | RAMP A 11+50 | 29 | 14 | | | | 1 | 1 | |
| | RAMP A 14+50 | 49 | 14 | | | | 1 | 1 | |
| | RAMP A 17+50 | 25 | 14 | | | | 1 | 1 | |
| | RAMP D 51+00 | 42 | 20 | | 1 | 1 | | 1 | |
| | RAMP D 54+00 | 31 | 15 | | | | | 1 | |
| | RAMP D 70+00 | 19 | 14 | 1 | | | | 1 | |
| | KY 205 329+50 | 42 | 8 | | | 1 | | 1 | |
| | KY 205 332+00 | 42 | 8 | | | 1 | | 1 | |
| | KY 205 344+00 | 54 | 10 | | | | 1 | 1 | |
| | | | | | | | | | |
| LT | RAMP A 11+50 TO 15+50 | 400 | 14 | | | | 1 | 1 | |
| LT | RAMP A 17+00 TO 19+50 | 250 | 14 | | | | 1 | 1 | |
| B | RAMP B 58+50 TO 63+42 | 984 | 30 | 1 | | | | 1 | |
| LT | RAMP C 16+00 TO 27+50 | 1150 | 10 | 1 | | | | 1 | |
| LT | RAMP C 30+50 TO 32+50 | 200 | 42 | 1 | | | | 1 | |
| RT | RAMP D 54+00 TO 55+50 | 150 | 20 | | | 1 | | 1 | |
| LT | RAMP D 60+00 TO 70+00 | 1000 | 14 | 1 | | | | 1 | |
| LT | KY 205 329+50 TO 332+00 | 250 | 8 | | | 1 | | 1 | |
| | **WOLFE COUNTY TOTALS** | 5,723 | 580 | 15 | 2 | 6 | 12 | 35 | |

| | MILEPOST OR STATIONS | PERFORATED PIPE-4 IN | NON-PERFORATED PIPE-4 IN | PERF PIPE HEADWALL TY 1-4 IN | PERF PIPE HEADWALL TY 2-4 IN | PERF PIPE HEADWALL TY 3-4 IN | PERF PIPE HEADWALL TY 4-4 IN | CRUSHED AGGREGATE SIZE NO 2 | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | **ITEM CODE** | 1000 | 1010 | 1020 | 1024 | 1028 | 1032 | 0078 | |
| | **UNIT TO BID ON** | LIN FT | | EACH | | | | TON | |
| | **MORGAN COUNTY** | | | | | | | | |
| RT | MOUNTAIN PARKWAY 200+45.46 | 38 | 16 | | | | | | |
| RT | CR 1226 40+89.25 | 18 | 12 | 1 | | | | 1 | |
| RT | CR 1226 53+05.19 | 18 | 8 | | | 1 | | 1 | |
| RT | MOUNTAIN PARKWAY 172+50 | 39 | 14 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 175+50 | 40 | 20 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 183+00 | 40 | 20 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 186+00 | 40 | 20 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 189+00 | 40 | 20 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 192+00 | 40 | 20 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 197+00 | 40 | 20 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 200+00 | 40 | 20 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 203+00 | 40 | 20 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY 206+00 | 40 | 20 | | | | 1 | 1 | |
| LT | MOUNTAIN PARKWAY 209+00 | 40 | 20 | | | | 1 | 1 | |
| LT | MOUNTAIN PARKWAY 212+00 | 40 | 20 | | | | 1 | 1 | |
| LT | MOUNTAIN PARKWAY 225+00 | 40 | 15 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY 228+00 | 40 | 15 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 231+00 | 40 | 15 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 234+00 | 40 | 15 | | | | 1 | 1 | |
| RT | MOUNTAIN PARKWAY 237+00 | 40 | 15 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY 240+00 | 40 | 15 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY 243+00 | 40 | 12 | | | | 1 | 1 | |
| | MOUNTAIN PARKWAY 246+00 | 40 | 12 | | | | 1 | 1 | |
| | CR 1226 25+00 | 18 | 10 | 1 | | | | 1 | |
| | CR 1226 30+30 | 18 | 10 | | | | | | |
| | CR 1226 35+50 | 18 | 10 | 1 | | | | 1 | |
| | CR 1226 41+50 | 18 | 10 | 1 | | | | 1 | |
| | CR 1226 49+00 | 18 | 10 | 1 | | | | 1 | |
| B | MOUNTAIN PARKWAY 223+50 TO 224+50 | 200 | 65 | | | | 1 | 1 | |
| B | MOUNTAIN PARKWAY 247+00 TO 253+00 | 1200 | 52 | | | | 1 | 1 | |
| LT | CR 1226 41+50 TO 42+50 | 100 | 12 | 1 | | | | 1 | |
| LT | CR 1226 49+00 TO 51+00 | 200 | 12 | 1 | | | | 1 | |
| | **MORGAN COUNTY TOTALS** | 2,663 | 575 | 7 | | 1 | 22 | 30 | |
| | **PROJECT TOTALS** | 8,386 | 1155 | 22 | 2 | 7 | 34 | 65 | |

ALL DROP BOX INLETS (AS NEEDED) SHALL RECIEVE PERFORATED PIPE CORING OR PREFABRICATION OF RECEIVEING HOLE, COST SHALL BE INCIDENTAL TO PERFORATED PIPE 4 IN.

PERFORATED PIPE UNDERDRAIN SUMMARY

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R00201SU.DGN
USER: andrew.parr
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R00201SU
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN WOLFE | 10-126.70 | R2J |

## NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.

(1) ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.

(2) ESTIMATED AT 100 LBS. PER SQ. YD. PER INCH OF DEPTH.

(3) ESTIMATED AT 95 LBS. PER SQ. YD. PER INCH OF DEPTH.

(4) TO BE USED AT THE ENGINEER'S DISCRETION.

(5) INCLUDES 10% ADDITIONAL METERIAL OF THE CRUSHED STONE BASE AS A CONSTRUCTION TOLERANCE ON ROCK ROADBED.

PRELIMINARY PLANS NOT FOR CONSTRUCTION

## PAVING SUMMARY

| ITEM CODE | ITEM | UNIT | MOUNTAIN PARKWAY (WOLFE) | KY 205 | KY 191 | RAMP A | RAMP B | RAMP C | RAMP D | ENTRANCES | WOLFE COUNTY TOTAL | MOUNTAIN PARKWAY (MORGAN) | CR 1226 | ENTRANCES | MORGAN COUNTY TOTAL | TOTAL PROJECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | CRUSHED STONE BASE (5) | TON | 24,644 | 7,794 | 957 | 2,228 | 2,900 | 4,271 | 4,111 | 357 | 47,261 | 26,728 | 2,103 | 58 | 28,889 | 76,150 |
| 212 | CL2 ASPH BASE 1.00D PG64-22 | TON | 1,840 | 642 | 100 | 593 | 172 | 258 | 214 | 162 | 3,982 | 3,439 | 961 | 27 | 4,427 | 8,409 |
| 214 | CL3 ASPH BASE 1.00D PG64-22 | TON | 16,705 | 4,786 | 534 | 1,723 | 1,613 | 2,408 | 2,355 | 0 | 30,124 | 18,688 | 0 | 0 | 18,688 | 48,812 |
| 190 | LEVELING & WEDGING | TON | 2,274 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,274 | 5,478 | 0 | 0 | 5,478 | 7,752 |
| 307 | CL2 ASPH SURF 0.38B PG64-22 | TON | 736 | 267 | 42 | 78 | 72 | 108 | 89 | 96 | 1,488 | 1,239 | 396 | 16 | 1,652 | 3,140 |
| 388 | CL3 ASPH SURF 0.38B PG64-22 | TON | 2,765 | 616 | 68 | 219 | 228 | 341 | 319 | 0 | 4,556 | 3,457 | 0 | 0 | 3,457 | 8,013 |
| 02677 | ASPHALT PAVE MILLING & TEXTURING | TON | 878 | 193 | 8 | 0 | 0 | 0 | 0 | 0 | 1,079 | 596 | 0 | 0 | 596 | 1,675 |
| 100 | ASPHALT SEAL AGGREGATE | TON | 183.6 | 53 | 6.0 | 30.0 | 23.4 | 40.9 | 34.4 | 0 | 371.3 | 288.4 | 64.4 | 0 | 352.8 | 724.1 |
| 103 | ASPHALT SEAL COAT | TON | 22 | 6.4 | 0.7 | 3.6 | 2.8 | 4.9 | 4.1 | 0 | 44.5 | 34.6 | 7.7 | 0 | 42.3 | 86.8 |
| 78 | CRUSHED AGGREGATE SIZE NO 2 (4) | TON | | | | | | | | | 125 | | | | 125 | 250 |
| 2676 | MOBILIZATION FOR MILL & TEXT | LS | 1 | | | | | | | | 1 | 1 | | | 1 | 1 |

## PAVING AREAS

| ITEM CODE | ITEM | MOUNTAIN PARKWAY (WOLFE) | KY 205 | KY 191 | RAMP A | RAMP B | RAMP C | RAMP D | ENTRANCES | WOLFE COUNTY TOTAL | MOUNTAIN PARKWAY (MORGAN) | CR 1226 | ENTRANCES | MORGAN COUNTY TOTAL | TOTAL PROJECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | CRUSHED STONE BASE (4" EQUIV) | 107,149 | 33,885 | 4,159 | 9,689 | 12,610 | 18,568 | 17,872 | 1,550 | 205,481 | 116,207 | 9,144 | 254 | 125,605 | 331,085 |
| 212 | CL2 ASPH BASE 1.00D PG64-22 (LIFT 1) 3.5 | | | | | | | | 1,473 | 2,607 | | | 246 | 246 | 2,853 |
| 212 | CL2 ASPH BASE 1.00D PG64-22 (LIFT 2) 3 | | | | 1,134 | | | | | 1,134 | | | | | 1,134 |
| 212 | CL2 ASPH BASE 1.00D PG64-22 (LIFT 3) 3 | 9,351 | 3,889 | 609 | 1,134 | 1,043 | 1,564 | 1,299 | | 18,889 | 9,575 | 5,826 | | 15,401 | 34,290 |
| 212 | CL2 ASPH BASE 1.00D PG64-22 (4" OVLY) | 1,352 | | | | | | | | 1,352 | 8,449 | | | 8,449 | 9,801 |
| 214 | CL3 ASPH BASE 1.00D PG64-22 (LIFT 1) 3.5 | 26,434 | 9,288 | 1,040 | 3,368 | 2,997 | 4,481 | 4,875 | | 52,482 | 25,708 | | | 25,708 | 78,190 |
| 214 | CL3 ASPH BASE 1.00D PG64-22 (LIFT 2) 3 | 25,892 | 9,153 | 1,022 | 3,293 | 2,927 | 4,370 | 3,911 | | 50,568 | 25,179 | | | 25,179 | 75,747 |
| 214 | CL3 ASPH BASE 1.00D PG64-22 (LIFT 3) 3 | 29,496 | 9,017 | 1,004 | 3,218 | 3,350 | 4,999 | 4,675 | | 55,759 | 28,469 | | | 28,469 | 84,228 |
| 214 | CL3 ASPH BASE 1.00D PG64-22 (4" OVRLY) | 11,259 | | | | | | | | 11,259 | 22,215 | | | 22,215 | 33,474 |
| 190 | LEVELING & WEDGING | 12,960 | | | | | | | | 12,960 | 31,223 | | | 31,223 | 44,183 |
| 307 | CL2 ASPH SURF 0.38B PG64-22 1.25 | 10,703 | 3,889 | 609 | 1,134 | 1,043 | 1,564 | 1,299 | 1,403 | 21,644 | 18,024 | 5,759 | 239 | 24,022 | 45,666 |
| 388 | CL3 ASPH SURF 0.38B PG64-22 1.25 | 40,213 | 8,961 | 996 | 3,187 | 3,321 | 4,953 | 4,633 | | 66,264 | 50,288 | | | 50,288 | 116,552 |
| 02677 | ASPHALT PAVE MILLING & TEXTURING | 10,641 | 2,339 | 98 | | | | | | 13,078 | 7,219 | | | 7,219 | 20,297 |
| 100 | ASPHALT SEAL AGGREGATE | 9,180 | 2,649 | 302 | 1,502 | | | 1,718 | | 18,566 | 14,419 | 3,222 | | 17,641 | 36,207 |
| 103 | ASPHALT SEAL COAT | 9,180 | 2,649 | 302 | 1,502 | | | 1,718 | | 18,566 | 14,419 | 3,222 | | 17,641 | 36,207 |

MicroStation v8.11.9.832 | E-SHEET NAME: R0020JSU | USER: jbrewer | DATE PLOTTED: September 23, 2016 | FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0020JSU.DGN

PAVING SUMMARY

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R2K |

# GENERAL NOTES

BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

WINTER CLOSEDOWN

ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING SURFACE EXPOSED TO TRAFFIC DURING WINTER CLOSEDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE OR CRUSHED SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL COMBINED COARSE AND FINE AGGREATE.

ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-4610.

EXCESS MATERIAL

TWO EXCESS MATERIAL SITES HAVE BEEN LOCATED FOR USE. USE OF SAID EXCESS MATERIAL SITES IS OPTIONAL AND WILL NOT BE MANDATORY.

# SPECIAL NOTES AND PROVISIONS

SPECIAL NOTE FOR:
- BARCODE LABEL ON PERMANENT SIGNS 11M
- ROCK BLASTING 11D
- DRILLED SHAFTS 11C
- TURF REINFORCING MAT 11F
- PORTABLE CHANGABLE MESSAGE SIGNS 11

SPECIAL PROVISION NO. 69

MATERIAL TRANSFER VEHICLE IN ACCORDANCE WITH SECTION 403.02.10 AND 403.03.05

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R002OKGN.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R002OKGN
MicroStation v8.11.9.832

GENERAL & SPECIAL NOTES

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R3 |

## CONVENTIONAL SIGNS

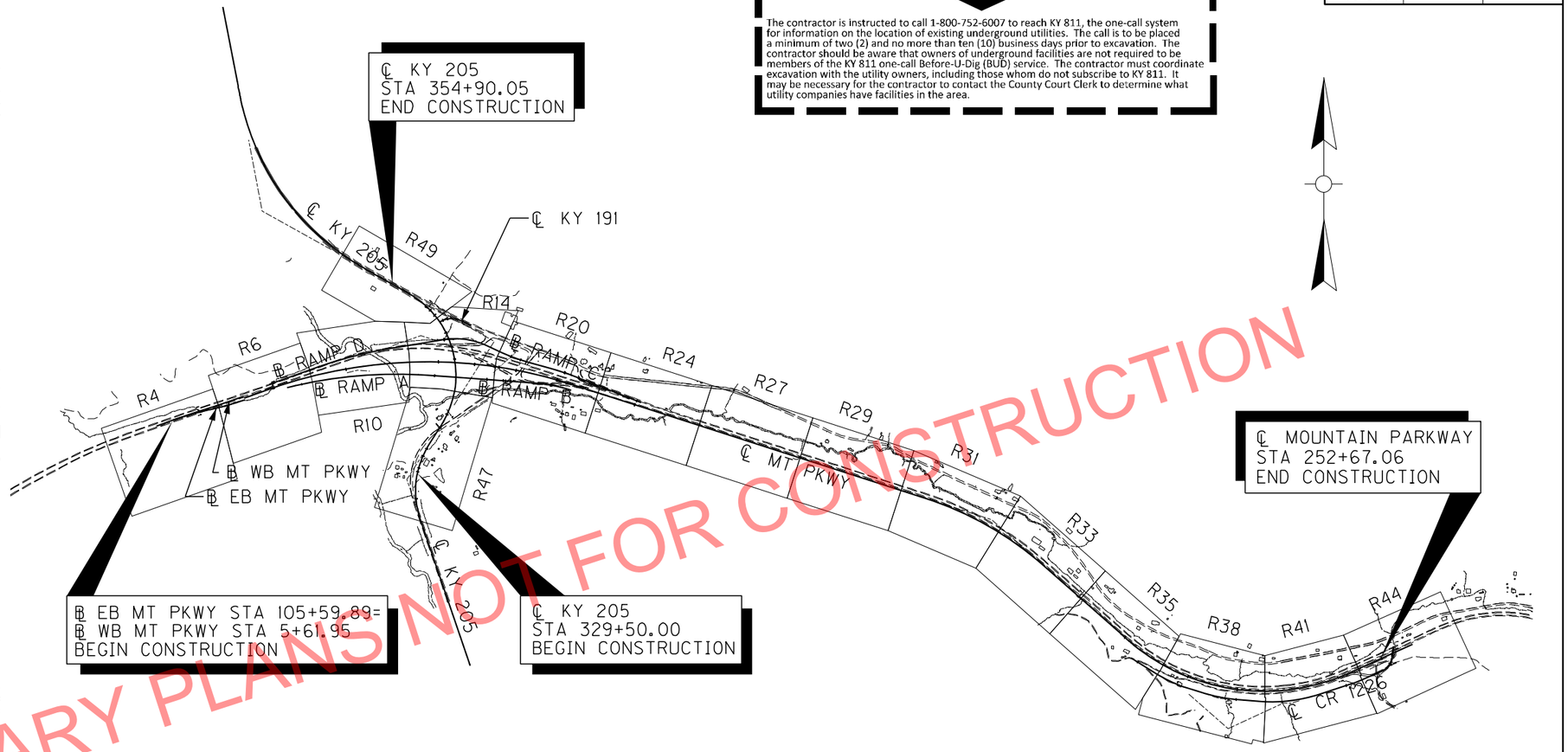
SURVEY LINE
GRADE LINE — 400' V.C.
GROUND LINE
COUNTY LINE
CORPORATE LIMITS
EXIST. PROPERTY LINE — ℄
EXIST. RIGHT OF WAY & PROPERTY LINE
PROPOSED RIGHT OF WAY
RIGHT OF WAY MONUMENT
BENCH MARK — B.M. NO. 4
EXISTING R/W MARKER
RIGHT OF WAY MONUMENT EXISTING/PROPOSED
UTILITY TEST HOLE — TH
EXISTING ROAD
RAILROAD
FENCE (CONTROLLED ACCESS)
FENCE (EXCEPT STONE AND HEDGE)
TREE LINE
TREES
PIPE CULVERT
CULVERT
BRIDGE
BUILDINGS — 1-S FRAME, 1-S BRICK, SHED, 2-S BRICK
GUARDRAIL — END TREATMENT, GUARDRAIL, TERMINAL SECTION

| | EXISTING | PROPOSED |
|---|---|---|
| LIGHTING POLE | | |
| POWER POLE | | |
| JOINT POWER & TELEPHONE POLE | | |
| TELEPHONE & TELEGRAPH POLE | | |
| ANCHOR, POWER OR TELEPHONE | | |
| STUB POWER | | |
| STUB TELEPHONE | | |
| WATER MAIN | WM | 6" WM |
| GAS MAIN | GM | 6" GM |
| TELEPHONE DUCT | T | T |
| ELECTRIC DUCT | E | E |
| DIRECT BURIAL TV CABLE | TV | TV |
| SANITARY SEWER (WITH MANHOLE) | SAN | SAN |
| STORM SEWER (WITH MANHOLE) | STORM | STORM |
| DIRECT BURIAL ELECTRIC CABLE | E | E |
| DIRECT BURIAL TELEPHONE CABLE | T | T |
| OVERHEAD WIRE | | |
| TRAFFIC LIGHTS | | |
| ELECTRIC MANHOLE | EMH | EMH |
| TELEPHONE MANHOLE | TMH | TMH |

STONE FENCE
HEDGE FENCE
SWAMP OR MARSH
SPRINGS
SINKHOLE
QUARRY SITE
BLUE LINE STREAM
INTERMITTENT STREAM OR DITCH
LAKES OR PONDS
REGULATED FLOODWAY
NORTH POINT

## BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.




PRELIMINARY PLANS NOT FOR CONSTRUCTION

## UTILITY OWNERS

POWER
Licking Valley RECC
271 Main Street
PO Box 605
West Liberty, KY 41472
Phone: 606-743-3179
Toll Free: 1-800-596-6530
Fax: (606) 743-2415
Contacts:
Primary
Wes McKinney (606) 791-0082
wesm@lvrecc.com

Secondary
Tommy Conley
tconley1@lvrecc.com
Kerry Howard
kkhoward@lvrecc.com

After Hours Emergency
(606) 743-7500

East Kentucky Power Corp
4775 Lexington Road
PO Box 707
Winchester, KY
Phone: (606) 349-2712
Contact:
Nicholas Adams (859) 745-9605
nicholas.adams@ekpc.coop

American Electric Power
12333 Kevin Avenue
Ashland, KY 41102
Contacts:
Primary

Distribution - Bill Johnson
3249 N Mayo Trail
Pikeville, Ky 41501
(606) 437-3823
(606) 794-7381
wmjohnson@aep.com

Transmission - Cliff Freeman
(606) 794-7389
(606) 437-3167
jcfreeman@aep.com

Secondary
Ron Canfield (606) 924-1426
rlcanfield@aep.com

Emergency
(800) 572-1113

TELEPHONE/CABLE/INTERNET
Mountian Rural Telephone
405 Main Street
PO Box 399
West Liberty, KY 41472
Phone: (606) 743-3121
Contacts:
Primary
Rick Pelfrey (606) 477-7320
rpelfrey@mountaintelephone.com

Secondary
Junior Barrett (606) 495-5041
jbarrett@mountaintelephone.com

Emergency
(606) 743-4040

FIBER OPTIC
AT&T
29 Willis Branch
Prestonburg, KY 41653
Phone: (606) 248-7243
Contacts:
Primary
Jack Salyer
(606) 874-2715
(606) 424-9328
js2299@att.com
Frank Ambrose
(502) 867-8240
(859) 753-8377

Secondary
Brad Frisby
(606) 704-2036
(606) 424-9329

WATER
City of Campton
PO Box 35
Campton, KY 41301
Contact:
Mark Wireman (606) 668-3574

Morgan County Water District
408 Prestonburg St
West Liberty, KY 41472
Contacts:
Primary
Kyle Risner (606) 743-1204
morganwater@gmail.com
Steve Pelfrey (606) 791-1206

Secondary
Jim Hoskins (606) 349-6814

NOTE: SEE FIRST COORDINATE CONTROL SHEET FOR COORDINATE SYSTEM AND BASIS OF ELEVATIONS.

SCALE: 1"= 700

DESIGNED BY:
DATE SUBMITTED:

**Commonwealth of Kentucky**
**DEPARTMENT OF HIGHWAYS**
**COUNTIES OF**
# WOLFE & MORGAN

PROJECT NUMBERS: 10-126.70 NHPP 0061 (067)
FD52 119 9009 056-058, FD52 088 9009 057-060

PLAN SHEET LAYOUT

MicroStation v8.11.9.832
E-SHEET NAME: R00300PL
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\EX\PRJ\00000829B\DESIGN\PLAN SET\R00300PL.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R4 |

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| WB MT PKWY | LT 5+61.95 TO 10+48.45 | 437.5 | SINGLE | (1) TY 1 |
| EB MT PKWY | RT 105+59.89 TO 111+00 | 538 | SINGLE | |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 9+49.28 TO 11+00 | WOVEN WIRE FENCE TY 1 | 153 |
| | | |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| WB MT PKWY | LT 5+61.95 to 10+46.23 | 486.02 |
| EB MT PKWY | LT 105+59.89 to 111+00 | 537.68 |

P 5 DOUGLAS E. MULLINS (SINGLE)

WESTBOUND LANES
PI STA 7+58.25
Δ = 2°06'36" RT
T = 179.00'
L = 357.97'
R = 9720.00'
E = 1.65'
e = NC
Runoff = NA
Runout = NA

+55.09 164.05'

EB PI/POT 103+59.89

WB PI/POT 5+61.95

WB PC 5+79.25

EB PC 105+59.89

WB PI 7+58.25

EB PI 107+69.57

PROP. & EXIST. R/W & C.A.

Const Limits

SPEC 3' FB DITCH

24' LT WB MT PKWY STA 9+16.00 BEGIN 300' TAPER

WB PRC 9+37.22

PROP. R/W & C.A. N 57°44'02" E 354.64'

WB -49.28 137.09'

WB 10+00

IE 977.15

SPEC 2' FB DITCH

← TO CAMPTON

36' CMP

BERT T COMBS MOUNTAIN PKWY KY 402 / KY 9009

18" CMP

N 70°42'27" E

N 70°34'47" E

N 70°42'27" E

N 72°41'23" E

℄ WB MT PKWY

℄ EB MT PKWY

12'-12'-12'

6'

OE 972.47

MATCHLINE STA 11+00

MATCHLINE STA 111+00

EB -00 129.14'

+61.82 95.90'

EXIST. R/W & C.A.

30' TELEPHONE EASEMENT

EXIST. R/W & C.A. N70°09'29"E 1203.03'

EB PRC 109+78.72

Const Limits

N 50°56'52" W - 24.71'

℄ EASTBOUND MT PKWY STA 105+59.89=
℄ WESTBOUND MT PKWY STA 5+61.95
BEGIN CONSTRUCTION

EB -30 340'

PROP. R/W & C.A.

30'

S 68°11'43" W 1433.41'

EB 110+00

P 6

WOLFE COUNTY, KENTUCKY FISCAL COURT (LANDLOCKED)

Const Limits

-60 570'

TEMP. ESMT FOR EXCESS MATERIAL

STA 8+75 ℄ WB MT PKWY - 77.1 CUYD SAFELOADING
106 LF OF EXIST 60" PIPE & REMOVE TWO EXISTING HEADWALLS

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 104+37 TO 111+00 | WOVEN WIRE FENCE TY 1 | 743 |
| | | |

EASTBOUND LANES
PI STA 107+69.57
Δ = 7°03'14" RT
T = 209.68'
L = 418.83'
R = 3402.00'
E = 6.46'
e = 3.90%
Runoff = 100'
Runout = 52'

-60 860'

-00 860'

Const Limits

| DITCH CONSTRUCTION LT ℄ WB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 6+00 - 10+65 | SPEC 3' FB | CLASS IV | 3.0' | 1250 CUYD |
| 10+65 -11+00 | SPEC 3' FB | ROCK CUT | | |

| DITCH CONSTRUCTION LT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 109+40 - 111+00 | TYP V | ECB | 1.5' | 363 SQYD |

| DITCH CONSTRUCTION RT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 108+51 - 111+00 | SPEC 2' FB | CLASS IV | 1.5' | 196 CUYD |

0' 50' 100' 200'

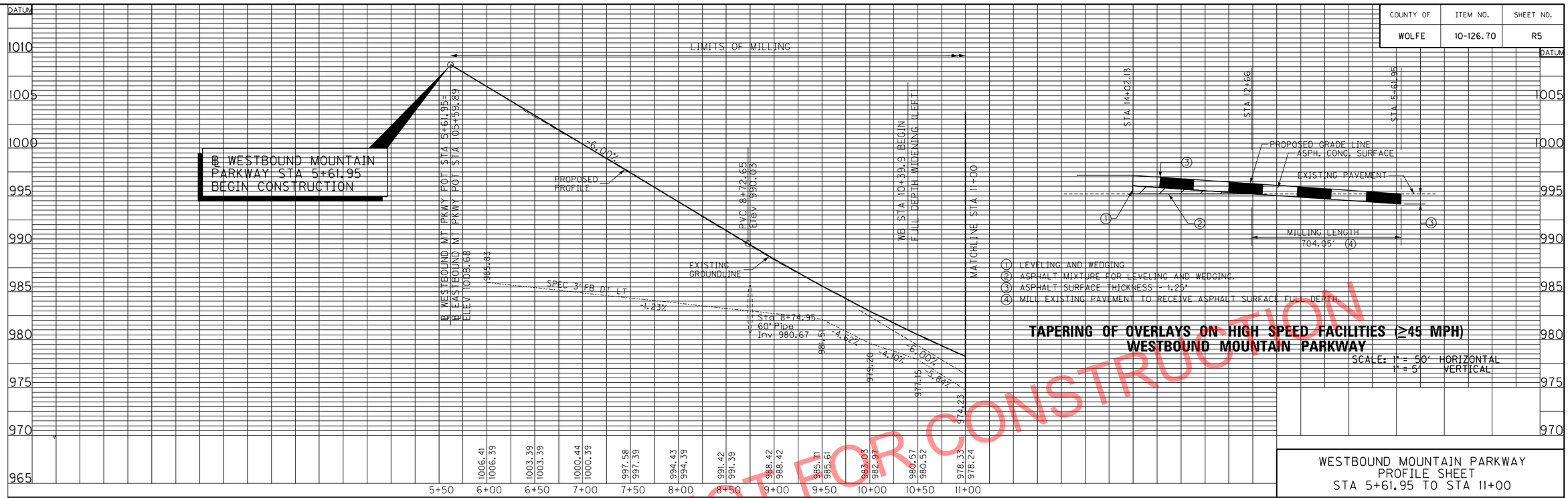
SCALE: 1"= 50'

MT PKWY PLAN SHEET
STA 105+59.89 TO STA 111+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MicroStation v8.11.9.832
E-SHEET NAME: R00400PL
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R00400PL.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R5 |

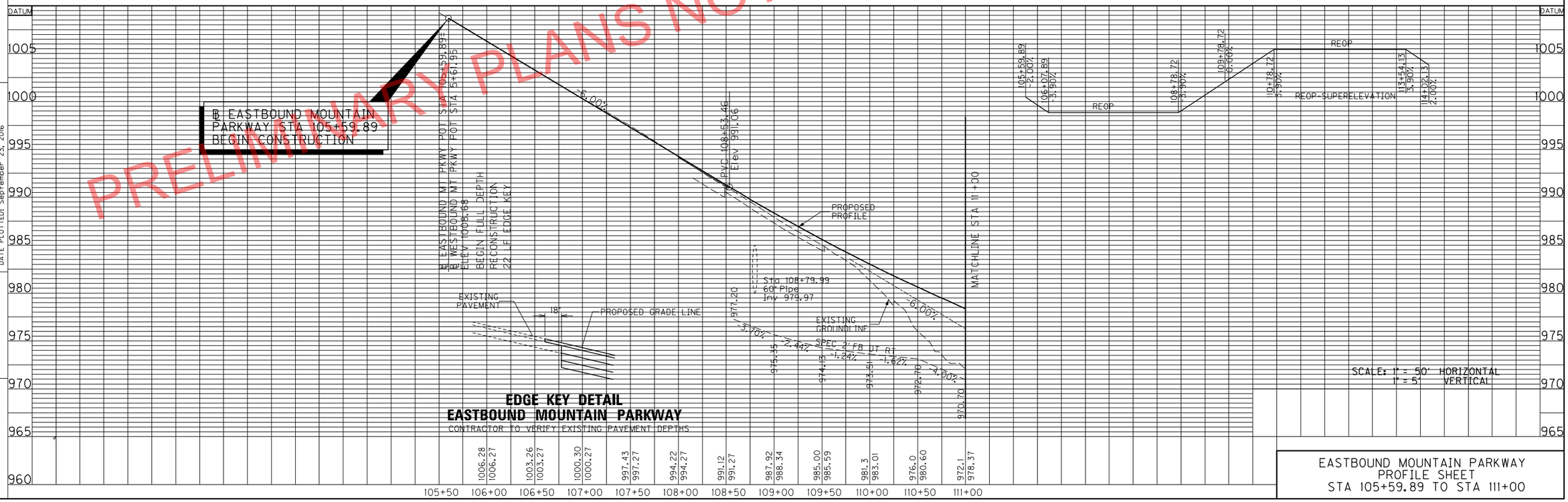



**TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)**
**WESTBOUND MOUNTAIN PARKWAY**

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

WESTBOUND MOUNTAIN PARKWAY
PROFILE SHEET
STA 5+61.95 TO STA 11+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION




**EDGE KEY DETAIL**
**EASTBOUND MOUNTAIN PARKWAY**
CONTRACTOR TO VERIFY EXISTING PAVEMENT DEPTHS

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

EASTBOUND MOUNTAIN PARKWAY
PROFILE SHEET
STA 105+59.89 TO STA 111+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R005OOPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R005OOPF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R6 |

WESTBOUND LANES
PI STA 111+16.22
Δ = 2°06'36" LT
T = 179.00'
L = 357.97'
R = 9720.00'
E = 1.65'
e = NC
Runoff = NA
Runout = NA

LT STA 114+70 - 6.6 CUYD SAFELOADING
57' LT OF EXIST 24" RCP

MOUNTAIN PARKWAY
PI STA 135+24.21
Δ = 37°17'00" RT
T = 1798.06'
L = 3468.32'
R = 5330.00'
E = 295.12'
e = 3.41%
Runoff = 192'
Runout = 113'

EASTBOUND LANES
PI STA 111+90.70
Δ = 7°10'54" LT
T = 211.98'
L = 423.41'
R = 3378.00'
E = 6.64'
e = 3.90%
Runoff = 100'
Runout = 52'

RAMP A
PI STA 18+23.74
Δ = 17°48'57" RT
T = 823.74'
L = 1634.18'
R = 5255.50'
E = 64.16'
e = 2.26%
Runoff = 68'
Runout = 60'

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| RAMP D | RT 66+15 to 70+86.56 | 470.23 | SINGLE | (I) TERM. SEC. I |
| WB MT PKWY | RT 114+02.13 TO 119+00 | 499.5 | SINGLE | (I) TERM. SEC. I |
| EB MT PKWY | RT 111+00 TO 114+02.13 | 304.1 | SINGLE | - |

| DITCH CONSTRUCTION LT ℄ WB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 11+00 - 14+02.13 | SPEC 3' FB | ROCK CUT | | |

| DITCH CONSTRUCTION LT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 114+02.13 - 117+00 | SPEC 3' FB | ROCK CUT | | |
| 117+00 - 117+26.15 | SPEC 4' FB | ROCK CUT | | |

| DITCH CONSTRUCTION RT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 66+15 - 66+50 | SPEC 5' FB | CLASS IV | 4.0' | 94 CUYD |
| 66+50 - 70+02 | SPEC 5' FB | ROCK CUT | | |
| 70+02 - 70+97.38 | SPEC 4' FB | ROCK CUT | | |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 11+00 TO 120+00 | WOVEN WIRE FENCE TY 1 | 918 |
| | | |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| WB MT PKWY | RT 11+00 to 13+96.35 | 296.77 |
| MT PKWY | LT 115+12.99 to 119+53.00 | 440.55 |
| MT PKWY | LT 115+93.49 to 122+00 | 615.10 |

| DITCH CONSTRUCTION RT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 111+00 - 112+52 | SPEC 2' FB | CLASS IV | 1.5' | 126 CUYD |
| 112+52 - 114+02.13 | SPEC 3' FB | CLASS IV | 1.5' | 230 CUYD |

| DITCH CONSTRUCTION LT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 111+00 - 114+02.13 | TYP V | ECB | 1.5' | 684 SQYD |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 114+02.13 - 122+00 | TYP V | ECB | 1.5' | 1807 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 10+00 - 11+55 | SPEC 3' FB | ROCK CUT | | |
| 11+55 - 12+96.29 | TYP 3' FB | ROCK CUT | | |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 114+02.13 - 115+50 | SPEC 3' FB | CLASS IV | 1.5' | 196 CUYD |
| 115+50 - 116+64 | SPEC VAR FB | CLASS IV | 3.0' | 332 CUYD |
| 116+64 - 117+00 | SPEC 3' FB | CLASS IV | 1.5' | 32 CUYD |
| 117+00 - 119+00 | SPEC 3' FB | ROCK CUT | | |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 111+00 TO 121+83.86 | WOVEN WIRE FENCE TY 1 | 1096 |
| | | |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

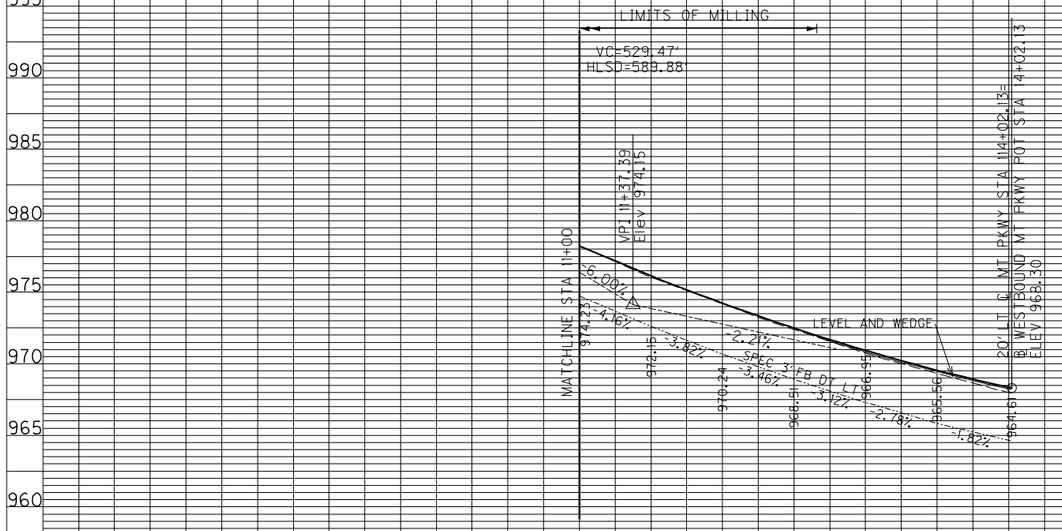
SCALE: 1"= 50'

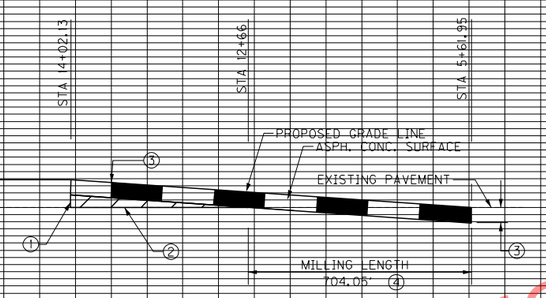
0' 50' 100' 200'

MT PKWY PLAN SHEET
STA 111+00 TO STA 122+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0606OPL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0606OPL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R7 |



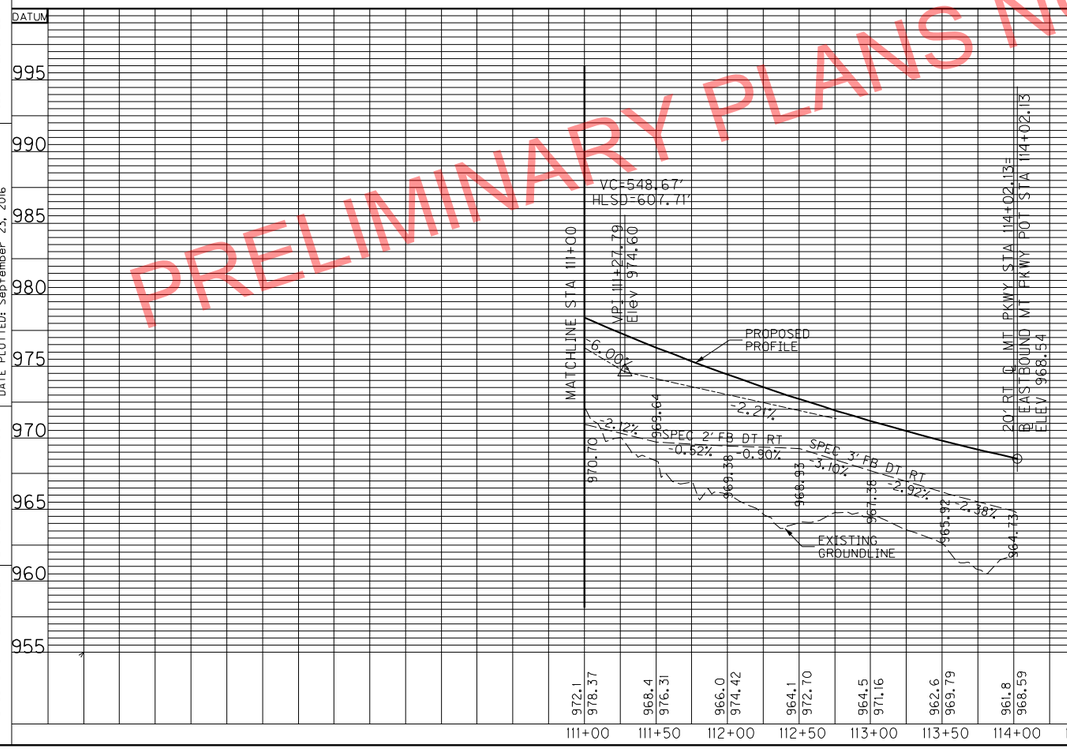

1. LEVELING AND WEDGING
2. ASPHALT MIXTURE FOR LEVELING AND WEDGING.
3. ASPHALT SURFACE THICKNESS = 1.25"
4. MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH.

**TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)**
**WESTBOUND MOUNTAIN PARKWAY**

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

WESTBOUND MOUNTAIN PARKWAY
PROFILE SHEET
STA 11+00 TO STA 14+02.13

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

EASTBOUND MOUNTAIN PARKWAY
PROFILE SHEET
STA 111+00 TO STA 114+02.13

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R007OOPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R007OOPF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R8 |

DATUM

WB-CROWN & WB-LEOP 3.41%

EB-CROWN & EB-REOP -3.41%

MATCHLINE STA 122+00

WB-LEOP WB-CROWN WB-GP EB-GP EB-CROWN EB-REOP

SUPERELEVATION DEFINITION

EB=CROWN & WB=CROWN 2.00%

WB-CROWN 2.00%

EB-REOP & WB-LEOP -2.00%

EB-REOP -2.00%

114+85.14 -2.00%

117+11.14 -2.00%

117+90.14 -3.41%

STA 117+95 BEGIN FULL DEPTH WESTBOUND LANES & BEGIN REMOVAL OF EX WESTBOUND PVMT

VC=550.00'
HLSD=683.99'

56' LT ℄ MT PKWY STA 117+26.15=
℄ RAMP D POT STA 10+97.38
STA 117+37.5 PROP 6'x5' RCBC EXTENSION
@ 44°38'22" SKEW RT W/ HH 10 6'x5' RCBC HEADWALL

44' RT ℄ MT PKWY STA 119+00.00=
℄ RAMP A PC STA 10+00.00

℄ STA 119+75 PROP DROP BOX
INLET TYPE 5B, GRADE, H=3.94'
TG 956.95

LO 119+85.85
Elev 959.30

PVT 121+80.00
Elev 960.47

℄ STA 114+70 PROP DROP BOX
INLET TYPE 5B, GRADE, H=3.46'
TG 964.25

20' RT AND LT ℄ MT PKWY STA 114+02.13=
℄ EASTBOUND MT PKWY STA 114+02.13=
℄ WESTBOUND MT PKWY STA 114+02.13
BEGIN PROJECT
℄ PVI 114+35.00
Elev 967.54

EXISTING GROUNDLINE AT CENTERLINE

PROPOSED PROFILE

WESTBOUND LEVEL & WEDGE

PVC 116+30.00
Elev 963.23

FL 960.79

INV 951.75

EX. REOP

18" STORM SEWER PIPE @ 0.50% FL 949.35

FL 960.4

WP 119+05.00
Elev 957.15

0.50%

SPEC 3' FB DT RT

SPEC VAR FB DT RT WIDTH

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV ft |
|---|---|---|---|
| DESIGN | 50 | 138.4 | 956.20 |
| CHECK | 100 | 157.6 | 956.41 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV ft |
|---|---|---|---|
| DESIGN | 50 | 45.9 | 956.51 |
| CHECK | 100 | 51.5 | 957.03 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| 114+00 | 114+50 | 115+00 | 115+50 | 116+00 | 116+50 | 117+00 | 117+50 | 118+00 | 118+50 | 119+00 | 119+50 | 120+00 | 120+50 | 121+00 | 121+50 | 122+00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 965.7 | 964.8 | 964.9 | 963.4 | 961.9 | 960.6 | 959.7 | 959.2 | 958.5 | 956.8 | 955.6 | 954.4 | 953.1 | 950.5 | 950.2 | 951.8 | 953.1 |
| 968.35 | 967.21 | 966.10 | 965.00 | 963.89 | 962.80 | 961.83 | 961.02 | 960.37 | 959.87 | 959.53 | 959.34 | 959.30 | 959.42 | 959.70 | 960.13 | 960.71 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET

STA 114+02.13 TO STA 122+00

FILE NAME: I:\LEX\PRJ\0000080298\DESIGN\PLAN SET\R0080OPF.DGN
USER: Jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0080OPF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R9 |

RAMP A

RAMP D

MicroStation v8.11.9.832 | E-SHEET NAME: R09900PF | USER: Jbrewer | DATE PLOTTED: September 23, 2016 | FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R09900PF.DGN

PRELIMINARY PLANS NOT FOR CONSTRUCTION

B RAMP A STA 10+00.00= 976.4
44.00' RT ℄ MT PKWY STA 10+00.00
ELLEV 958.71

10+00.00
3.41%

EOP 3.41%

SUPERELEVATION

PVC 10+50.00
Elev 958.43

VC=200.00'
HLSD=559.50'

PVI 11+24.57
Elev 958.22

PVT 11+50.00
Elev 957.86

-0.56%

-0.56%

0.95%

PVC 12+50.00
Elev 958.81

0.95%

PROPOSED PROFILE

EXISTING GROUNDLINE

Low Wire
Sta 11+72.28
Elev.

MATCHLINE STA 12+96.29

| | | |
|---|---|---|
| 981.8 | 983.3 | 986.4 |
| 958.43 | 958.24 | 958.24 |

| | | |
|---|---|---|
| 985.2 | 982.3 | |
| 958.43 | 958.81 | |

10+00 10+50 11+00 11+50 12+00 12+50

MATCHLINE STA 66+15

66+30.57
2.10%

66+69.87
3.41%

SUPERELEVATON

LEOP -3.41%

70+33.39
3.41%

70+97.38
2.27%

B RAMP D EOT STA 70+97.38=
56' LT ℄ MT PKWY STA 117+26.15
ELEV 962.20

-1.06%

-0.90%

-0.05%

0.36%

-0.12%

0.16%

0.55%

0.83%

0.75%

0.87%

PROPOSED PROFILE

EXISTING GROUNDLINE

SPLINE GRADE

SPEC 5' FB DT RT

EXTEND IN KIND
OE 941.36
Sta 66+23.32
27" RCP
Inv 943.77'

0.80%

941.36

2.14%

SPEC 5' FB DT RT

RCBC EXTENSION
OE 950.68
950.55

1+70.40
950.40

0.70%

Sta 70+30.44
6'x5' RCBC
Inv 951.02'

| | | |
|---|---|---|
| 956.04 | 956.10 | 956.35 |
| 962.13 | 961.60 | 961.07 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 956.69 | 957.18 | 957.63 | 958.16 | 959.02 | 959.96 | |
| 960.78 | 960.74 | 960.78 | 961.02 | 961.39 | 961.82 | |

66+50 67+00 67+50 68+00 68+50 69+00 69+50 70+00 70+50 71+00

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 138.4 | 956.20 |
| CHECK | 100 | 157.6 | 956.41 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 49.3 | 956.51 |
| CHECK | 100 | 56.5 | 957.03 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

PROFILE SHEET
RAMP A STA 10+00 TO STA 12+96.29
RAMP D STA 66+15 TO STA 70+97.38

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R10 |

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| RAMP D | RT 54+70 to 58+18.3 | 336.28 | SINGLE | (1) BR. END CONN. TY. A |
| RAMP D | LT 55+71.8 to 58+00.4 | 162.5 | SINGLE | (1) TY. 1, (1) BR. END CONN TY. A |
| RAMP D | RT 59+83.0 to 66+15 | 617.27 | SINGLE | (1) BR. END CONN. TY. A-1 |
| MT PKWY | LT 124+92.4 to 128+66.5 | 362.5 | SINGLE | (1) TERM SEC 1, (1) BR END CONN TY A-1 |
| MT PKWY | RT MED 126+67.6 to 128+04.8 | 137.5 | DOUBLE | (1) C.C. TY. IX-A, (1) TERM. SEC. 1 |
| MT PKWY | RT MED 128+04.8 to 129+20.2 | 100 | SINGLE | (1) BR. END CONN. TY. A |
| MT PKWY | LT MED 128+58.47 to 128+98.6 | 25 | SINGLE | (1) BR END CONN TY A-1, (1) TERM SEC 1 |
| MT PKWY | LT 131+69.1 to 133+25 | 144.95 | SINGLE | (1) BR. END CONN. TY. A |
| MT PKWY | LT MED 132+05.2 to 133+04.62 | 84.4 | SINGLE | (1) BR. END CONN. TY. A |

| DITCH CONSTRUCTION RT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 54+70 - 55+00 | SPEC 3' FB | CLASS IV | 3.0' | 69 CUYD |
| 55+00 - 56+50 | SPEC 4' FB | CLASS IV | 3.0' | 320 CUYD |
| 63+50 - 66+15 | SPEC 5' FB | CLASS IV | 4.0' | 706 CUYD |

RAMP D
PI STA 60+80.75
Δ = 10°17'49" LT
T = 513.12'
L = 1023.47'
R = 5695.00'
E = 23.07'
e = 2.10%
Runoff = 63'
Runout = 60'

RAMP A
PI STA 18+23.74
Δ = 17°48'57" RT
T = 823.74'
L = 1634.18'
R = 5255.50'
E = 64.16'
e = 2.26%
Runoff = 68'
Runout = 60'

MOUNTAIN PARKWAY
PI STA 135+24.21
Δ = 37°17'00" RT
T = 1798.06'
L = 3468.32'
R = 5330.00'
E = 295.12'
e = 3.41%
Runoff = 192'
Runout = 113'

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 131+50 TO 133+00.93 | WOVEN WIRE FENCE TY 1 | 164 |
| | | |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 121+83.86 TO 130+35.47 | WOVEN WIRE FENCE TY 1 | 970 |
| 132+76.26 TO RAMP A 24+00 | WOVEN WIRE FENCE TY 1 | 61 |

| DITCH CONSTRUCTION LT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 54+70 - 57+00 | SPEC 2' FB | ECB | 1.5' | 307 SQYD |
| 59+85 - 63+00 | TYP V | TRM TY 1 | 1.5' | 560 SQYD |
| 63+00 - 65+28 | SPEC V | ECB | 1.5' | 517 SQYD |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| RAMP D | RT 54+70 to 58+27.88 | 358.58 |
| RAMP D | RT 59+87.66 to 66+15 | 628.45 |
| RAMP D | LT 54+70 to 57+96.42 | 326.38 |
| RAMP D | LT 59+56.60 to 62+51.13 | 293.77 |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 122+01-125+78 | TYP V | ECB | 1.5' | 1017 SQYD |
| 125+78-128+67 | SPEC V | ECB | 1.0' | 316 SQYD |
| 132+50 - 133+25 | SPEC V | ECB | 1.0' | 110 SQYD |

| DITCH CONSTRUCTION LT ℄ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 19+00 - 20+31 | TYP V | ECB | 1.5' | 276 SQYD |
| 23+50 - 24+00 | SPEC 2' FB | ECB | 1.5' | 67 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 12+96 - 19+60 | TYP 3' FB | ROCK CUT | | |

RT RAMP A STA 19+70 TO STA 21+19.3
CONST 150 LF OF ISLAND CURB AND GUTTER

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| MT PKWY | RT 126+36.2 to 129+66.2 | 250 | SINGLE | (1) TY. 1, (1) BR. END CONN. TY. A, |
| MT PKWY | RT 132+68.3 to 133+25 | 40.5 | SINGLE | (1) BR. END CONN. TY. A-1 |
| MT PKWY | LT MED 133+04.62 to 133+25 | 20.2 | DOUBLE | (1) TERM. SEC. 1 |
| RAMP A | LT 17+29.16 to 21+05.62 | 312.5 | SINGLE | (1) TY. 1, (1) BR. END CONN. TY. A |
| RAMP A | RT 19+66.3 to 21+19.3 | 137.5 | SINGLE | (1) TY. 3, (1) BR. END CONN. TY. A |
| RAMP A | RT 23+54.7 to 23+95.1 | 25 | SINGLE | (1) BR END CONN. TY. A-1, (1) TY 4A |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 50'

0' 50' 100' 200'

MT PKWY PLAN SHEET
STA 122+00 TO STA 133+25

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R010OOPL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R010OOPL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R11 |

DATUM

MATCHLINE STA 122+00

WB-CROWN & WB-LEOP -3.41%

SUPERELEVATION

EB-CROWN & EB-REOP -3.41%

MATCHLINE STA 133+25

WB-LEOP | WB-CROWN | WB-GP | EB-GP | EB-CROWN | EB-REOP

SUPERELEVATION DEFINITION

Low Wire
Sta 126+04.13
Elev.

@ STA 122+01.02 PROP DROP BOX
INLET TYPE 5B MODIFIED GRADE.
H=10.59' TG 958.37'

RT STA 122+09.12 (RAMP A 13+08.07)
PROP DROP BOX
INLET TYPE 1, GRADE, H=4.61'
TG 957.04

LT STA 128+71.67
PROP CURB BOX INLET
TY B, L=13.2' H=5.00'
TG 962.27

RT STA 129+26.86
PROP CURB BOX INLET
TY B, L=13.2' H=5.66'
TG 957.92

RT STA 129+46.32 (RAMP A 20+32.08)
PROP DROP BOX
INLET TYPE 1, GRADE, H=5.77'
TG 962.59

STA 128+93.74
BEGIN WB BRIDGE

STA 129+26.42
BEGIN EB BRIDGE

STA 131+99.73
END WB BRIDGE

STA 132+36.46
END EB BRIDGE

RT STA 132+50 PROP DROP BOX
INLET TYPE 1, H=3.58'
TG 972.54

EXISTING GROUNDLINE AT CENTERLINE

PROPOSED PROFILE

SPEC MEDIAN V DT @ 1.44%

SPEC V DT RT 0.50%

1.21%

STRUCTURE 27079

18" STORM SEWER PIPE @ 1.01%

FL 969.54

963.78
966.33
963.82

STA 128+82.86
PROP 18" STORM SEWER
INV 963.05

FL 963.27

962.39

962.84

962.43

24" STORM SEWER PIPE @ 1.00%

FL 951.58

FL 947.78

EX. REOP

EXISTING GROUNDLINE AT CENTERLINE

WB PIER

EB PIER 1

WB PIER 2

EB PIER 2

EX. REOP

100 YR WSE 946.00

RED RIVER

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| EXISTING FLOOD DATA | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | | |
| CHECK | 100 | 5937 | 946.23 |

| PROPOSED FLOOD DATA | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | | |
| CHECK | 100 | 5937 | 946.00 |

| STA | |
|---|---|
| 122+00 | 960.71 |
| 122+50 | 961.31 |
| 123+00 | 961.91 |
| 123+50 | 962.52 |
| 124+00 | 963.12 |
| 124+50 | 963.72 |
| 125+00 | 964.33 |
| 125+50 | 964.93 |
| 126+00 | 965.53 |
| 126+50 | 966.13 |
| 127+00 | 966.74 |
| 127+50 | 967.34 |
| 128+00 | 967.94 |
| 128+50 | 968.55 |
| 129+00 | 969.15 |
| 129+50 | 969.75 |
| 130+00 | 970.35 |
| 130+50 | 970.96 |
| 131+00 | 971.56 |
| 131+50 | 972.16 |
| 132+00 | 972.77 |
| 132+50 | 973.37 |
| 133+00 | 973.97 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET
STA 122+00 TO STA 133+25

FILE NAME: I:\EX\PRJ\0000008298\DESIGN\PLAN SET\ROII00PF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: ROII00PF
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R12 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

DATUM 1025 1020 1015 1010 1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930

MATCHLINE STA 12+96.29

LEOP 3.41%

EXISTING GROUNDLINE

15+33.79
3.41%

15+68.29
2.26%

LEOP 2.26%

EXISTING GROUNDLINE

PROPOSED PROFILE

0.95%

PVC 18+00.00
Elev 964.01

HI 9+23.94
Elev 967.60

0.95%

VPI 20+00.00
Elev 965.90

2.11%

STA 21+16
BEGIN BRIDGE

FL 957.97

1:2

PVT 22+00.00
Elev 961.69

2.11%

STRUCTURE 27081

SPEC 2' FB WIDT

PIER 1

PIER 2

100 YR WSE 946.12

RED RIVER

STA 23+51
END BRIDGE
RT STA 23+84.61
PROP CURB BOX INLET
TY B, 5.2' H=4.75'
TC 957.30

FL 952.55

2:1

MATCHLINE STA 24+00

STA 13+04.75
PROP 24" STORM SEWER
INV 952.22

VC=400.00'
SSD=553.70'

EXISTING FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | | |
| CHECK | 100 | 5937 | 946.28 |

PROPOSED FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | | |
| CHECK | 100 | 5937 | 946.12 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R13 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0130OPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0130OPF
MicroStation v8.11.9.459

DATUM

MATCHLINE STA 54+70

LEOP -2.00%

55+64.63
2.00%
55+67.63
-2.10%

LEOP -2.10%

MATCHLINE STA 66+15

LT STA 57+75.36 PROP 18" PIPE CULVERT HEADWALL OE 946.05
LT STA 57+75.35 PROP C&G BOX INLET
TYP B, 5.2 H=8.00'
TG 954.33

STA 58+14 BEGIN BRIDGE

STA 59+29 END BRIDGE

PROPOSED PROFILE

VC=200.00'
HLSD=854.96'

@ PVC 60+50.00 Elev 958.01

@ PVT 62+50.00 Elev 961.09

@ PVC 62+92.78 Elev 961.94

VPI 64+22.78 Elev 964.54

VC=260.00'
SSD=482.58'

VPI 61+50.00' Elev 959.09

VPI 65+52.78 Elev 963.16

HI 64+62.68 Elev 963.64

1.07%
0.30%
0.74%
0.50%
1.06%
-1.06%

SPEC 2' FB DT LT

SPEC 4' FB DT RT

SPEC 6' FB DT RT

2.50%
3.48%
6.36%

STRUCTURE 27082

EXISTING BRIDGE

EXISTING GROUNDLINE

FL 946.33

PIER 1

PIER 2

100 YR WSE 944.75
RED RIVER

EXISTING FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | | |
| CHECK | 100 | 5937 | 945.02 |

PROPOSED FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | | |
| CHECK | 100 | 5937 | 944.75 |

| | 55+00 | 55+50 | 56+00 | 56+50 | 57+00 | 57+50 | 58+00 | 58+50 | 59+00 | 59+50 | 60+00 | 60+50 | 61+00 | 61+50 | 62+00 | 62+50 | 63+00 | 63+50 | 64+00 | 64+50 | 65+00 | 65+50 | 66+00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXISTING | 952.01 | 951.93 | 951.97 | 952.06 | 952.23 | 952.40 | 952.62 | 952.90 | 953.14 | 953.37 | 953.59 | 953.83 | 954.11 | 954.47 | 954.81 | 955.08 | 955.27 | 955.41 | 955.59 | 955.65 | 955.85 | 956.03 | 956.05 |
| PROPOSED | 952.12 | 952.65 | 953.19 | 953.73 | 954.26 | 954.80 | 955.33 | 955.87 | 956.41 | 956.94 | 957.48 | 958.01 | 958.61 | 959.32 | 960.14 | 961.09 | 962.08 | 962.89 | 963.41 | 963.63 | 963.56 | 963.19 | 962.66 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

RAMP D PROFILE SHEET

STA 54+70 TO STA 66+15

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R14 |

| DITCH CONSTRUCTION LT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 50+36 - 54+70 | SPEC 2' FB | ECB | 1.5' | 579 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 51+31 - 54+70 | SPEC 3' FB | CLASS IV | 3.0' | 772 CUYD |

| DITCH CONSTRUCTION LT ℄ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 24+00 - 28+00 | SPEC 2' FB | ECB | 1.5' | 534 SQYD |
| 28+00 - 28+65 | SPEC 2' FB | CLASS IV | 1.5' | 58 CUYD |

MOUNTAIN PARKWAY
PI STA 135+24.21
Δ = 37°17'00" RT
T = 1798.06'
L = 3468.32'
R = 5330.00'
E = 295.12'
e = 3.41%
Runoff = 192'
Runout = 113'

KY 191
PI STA 48+91.1
AREA UC= 59°41'24" LT
T = 132.72'
L = 240.98'
R = 231.31'
E = 35.37'
e = 2.00%
Runoff = 37'
Runout = 37'

RAMP C
PI STA 30+70.72
Δ = 27°35'47" LT
T = 188.12'
L = 368.94'
R = 766.00'
E = 22.76'
e = 4.00%
Runoff = 110.00'
Runout = 55.00

KY 205
PI STA 346+82.63
Δ = 92°57'48" LT
Ts = 1194.95' 1218.78'
Ls = 154.00' 203.00'
Lc = 1541.37'
θs = 4°09'43" 5°29'11"
LT = 102.70' 135.40'
ST = 51.36' 67.73'
R = 1060.00
E = 481.24
e = 6.00%
Runoff = 154' 203'
Runout = 52' 67.67'

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 133+25 to RT 143+00 | 1021.98 |
| MT PKWY | LT 133+25 to 140+90.13 | 809.88 |
| MT PKWY | LT 138+40.60 to 143+00 | 484.71 |
| MT PKWY | LT 140+46.94 to 143+00 | 259.61 |

| DITCH CONSTRUCTION LT ℄ KY 205 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 341+96-345+39 | SPEC V | ECB | 1.5' | 496 SQYD |
| 346+96-348+50 | SPEC 3' FB | CLASS IV | 3.5' | 424 CUYD |

| DITCH CONSTRUCTION RT ℄ KY 205 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 341+79-345+07 | SPEC V | ECB | 1.5' | 474 SQYD |

| DITCH CONSTRUCTION LT ℄ RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 27+00 - 32+06 | SPEC 2' FB | ECB | 1.5' | 921 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 27+00 - 32+56 | SPEC 2' FB | CLASS IV | 1.5' | 452 CUYD |

| DITCH CONSTRUCTION LT ℄ RAMP B | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 50+50 - 54+30 | SPEC 2' FB | ECB | 1.5' | 507 SQYD |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 133+25 - 134+67 | SPEC V | ECB | 1.0' | 207 SQYD |
| 133+30 - 136+64 | SPEC V | ECB | 1.0' | 486 SQYD |
| 139+69 - 141+75 | SPEC V | ECB | 1.0' | 300 SQYD |
| 142+37 - 143+00 | TYP V | ECB | 1.5' | 143 SQYD |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| RAMP D 54+70 TO KY 205 348+50 | WOVEN WIRE FENCE TY 1 | 355 |
| KY 205 348+50 TO KY 191 47+94 | WOVEN WIRE FENCE TY 1 | 147 |
| KY 191 47+95 TO RAMP C 27+00 | WOVEN WIRE FENCE TY 1 | 593 |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| RAMP A 24+00 TO KY 205 339+75 | WOVEN WIRE FENCE TY 1 | 502 |
| KY 205 339+75 TO RAMP B 54+30 | WOVEN WIRE FENCE TY 1 | 439 |

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGN | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| MT PKWY | LT 133+25 to 136+91.7 | 355.05 | SINGLE | (1) BR. END CONN. TY A-1 |
| MT PKWY | RT 133+25 to 137+08.5 | 364.24 | SINGLE | (1) BR. END CONN. TY A |
| MT PKWY | LT MED 133+25 to 136+02.1 | 279.8 | DOUBLE | (1) TERM. SEC. 1 |
| MT PKWY | RT MED 136+02.1 to 137+02.2 | 84.62 | SINGLE | (1) BR. END CONN. TY A |
| MT PKWY | LT MED 136+57.7 to 136+97.8 | 25 | SINGLE | (1) BR END CONN. TY A-1, (1) TERM SEC 1 |
| MT PKWY | LT 139+32.2 to 143+00 | 356.63 | SINGLE | (1) BR. END CONN. TY A |
| MT PKWY | LT MED 139+40.2 to 140+55.2 | 100 | SINGLE | (1) BR. END CONN. TY A |
| MT PKWY | RT 139+54.1 to 143+00 | 326.78 | SINGLE | (1) BR. END CONN. TY A-1 |
| MT PKWY | LT MED 140+55.2 to 141+92.4 | 137.5 | DOUBLE | (1) C.C. TY IX-A, (1) TERM. SEC. 1 |
| KY 205 | LT 339+75 to 340+97.40 | 125.7 | SINGLE | - |
| KY 205 | RT 339+75 to 340+82.73 | 118.42 | SINGLE | - |
| RAMP A | RT 27+70.8 to 28+73.52 | 73.2 | SINGLE | (1) TY 4A |
| RAMP B | RT 50+71.54 to 54+30 | 359.60 | SINGLE | - |
| RAMP D | RT 52+81.43 to 54+70 | 138.72 | SINGLE | (1) TY 1 |

RT STA 347+82 TO STA 348+50
REMOVE 277 SQYD OF PAVEMENT

LT STA 140+67 TO STA 142+42
REMOVE 454 SQYD OF PAVEMENT

0' 50' 100' 200' SCALE: 1"= 50'

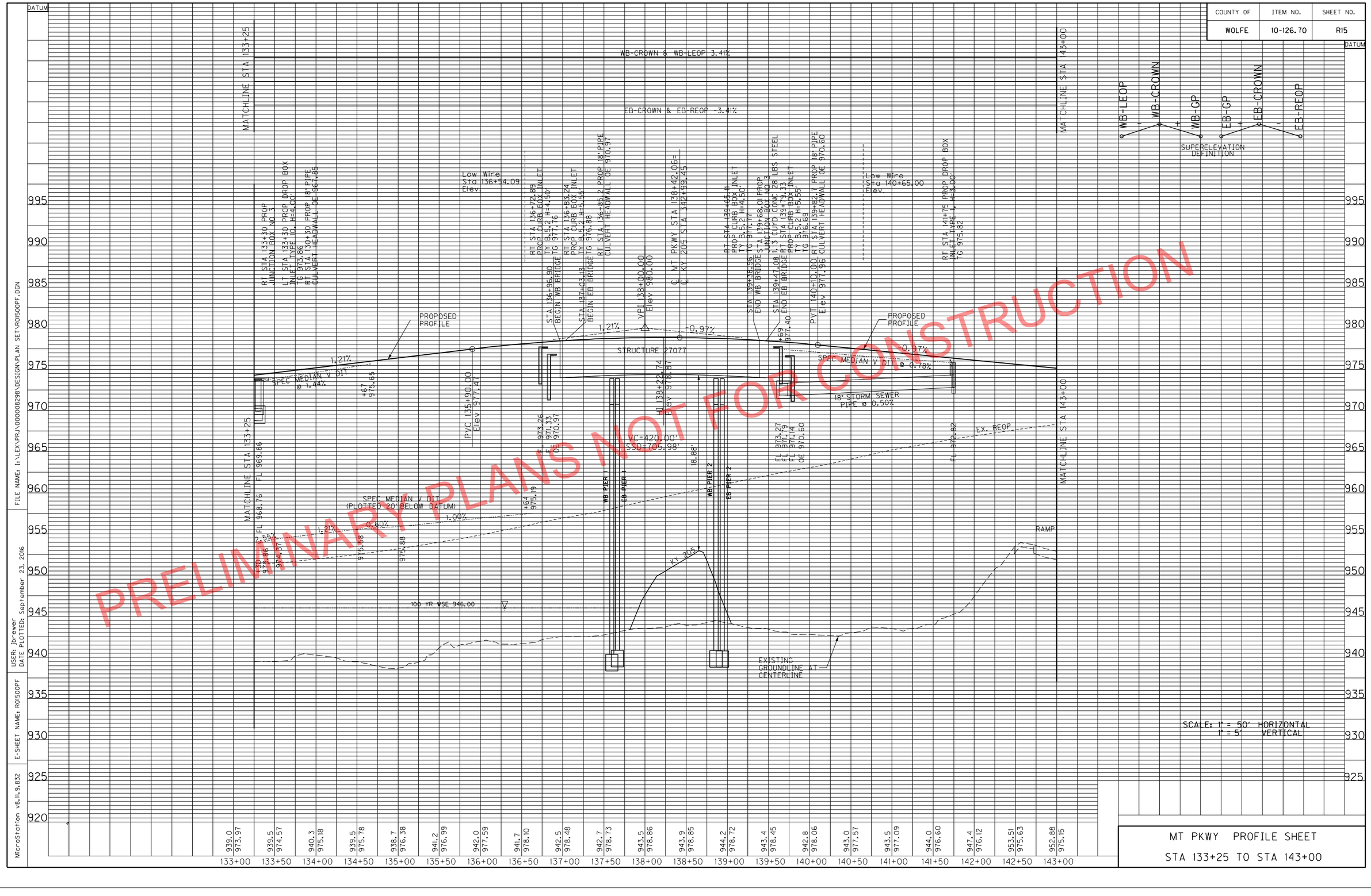
MT PKWY PLAN SHEET
STA 133+25 TO STA 143+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0140OPL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0140OPL
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R15 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET

STA 133+25 TO STA 143+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R01500PF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R01500PF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R16 |

MATCHLINE STA 339+75
SEE SHEET R48

MATCHLINE STA 348+50
SEE SHEET R50

REOP 6.00%

LEOP -6.00%

℄ KY 205 STA 341+33.37=
℄ RAMP A POT STA 29+24.85=
℄ RAMP B POT STA 50+00.00

RT STA 341+78.56 PROP DROP BOX
INLET TYPE 1, SAG, H=3.00'
ITG 949.12

℄ PVC 342+18.03
Elev 952.22

LT STA 341+96.39 PROP DROP BOX
INLET TYPE 1, SAG, H=3.33'
ITG 946.10

SEE SHEET R18
FOR CLEARANCE

VC=140.00'
HLSD=518.88'

℄ MT PKWY STA 338+42.06=
℄ KY 205 STA 342+99.45

Low Wire
Sta 343+39.93
Elev.

℄ PVT 343+58.05
Elev 951.41

RT STA 345+06.89 PROP DROP BOX
INLET TYPE 1, SAG, H=4.00'
ITG 948.73

LT STA 345+38.60 PROP DROP BOX
INLET TYPE 2, SAG, H=4.00'
ITG 945.67

℄ KY 205 STA 345+78.50=
℄ RAMP C POT STA 33+02.33=
℄ RAMP D POT STA 50+00.58

RT STA 346+19.60 PROP 36"S & F
HEADWALL @ 20°08'50" RT SKEW IE 942.69

STA 346+42.3 PROP 36" CULVERT PIPE
@ 21°22'27"RT SKEW

LT STA 346+82.63 PROP 36"S &F
HEADWALL @ 23°33'15" RT SKEW OE 940.19

Low Wire
Sta 346+55.89
Elev.

℄ KY 205 STA 347+94.16=
℄ KY 191 STA 50+00.00

MT PKWY
℄ RAMP

PROPOSED
PROFILE

1.15%

0.00%

0.49%

0.54%

0.52%

0.50%

SPEC 'V' DT RT

SPEC 'V' DT LT

SPEC 3 FB DT LT

100 YR WSE 947.11

24" STORM SEWER
PIPE @ 3.1%

18" STORM SEWER
PIPE @ 2.55%

EXISTING
GROUNDLINE

FL 946.12
FL 942.77

FL 944.73
FL 941.67

INV 941.70

940.54

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 25 | 45.9 | 946.44 |
| CHECK | 100 | 56.7 | 948.42 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 340+00 | 340+50 | 341+00 | 341+50 | 342+00 | 342+50 | 343+00 | 343+50 | 344+00 | 344+50 | 345+00 | 345+50 | 346+00 | 346+50 | 347+00 | 347+50 | 348+00 | 348+50 |
| 940.3 954.73 | 940.4 954.15 | 940.5 953.58 | 940.5 953.00 | 942.5 952.42 | 943.0 951.89 | 944.1 951.55 | 944.5 951.41 | 946.5 951.41 | 959.37 951.41 | 958.40 951.41 | 946.3 951.41 | 944.5 951.41 | 946.0 951.41 | 944.6 951.41 | 943.8 951.41 | 944.3 951.41 | 943.7 951.41 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

KY 205 PROFILE SHEET
STA 339+75 TO STA 348+50

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0160OPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0160OPF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R17 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MATCHLINE STA 24+00

LEOP 2.26%

26+34.8 2.26%

26+41.98 2.00%

LEOP 2.00%

28+17.19 2.00%

LEOP -1.00%

29+17.19 -1.00%

29+25.21 -1.00%

RAMP A

RAMP B

50+09.00 -1.00%

50+18.02 -1.00%

LEOP -1.00%

51+08.02 2.00%

LEOP 2.00%

MATCHLINE STA 54+30

985 980 975 970 965 960 955 950 945 940 935 930 925 920 915

VC=350.00'
HLSD=1598.15'

PVC 25+09.02
Elev 955.18

Low Wire
Sta 26+85.19
Elev.

RT STA 28+35.19 24" RCP CULVERT
HEADWALL @ 15°34'07" SKEW CE 940.47

PVI 28+59.02
Elev 951.50

VPI 28+96.93
Elev 951.50

RAMP A STA 29+24.85=
KY 205 STA 341+33.37
ELEV 953.19

RAMP B STA 50+00.00=
@ KY 205 STA 341+33.37
ELEV 953.19

PROPOSED PROFILE

-2.11%

-2.11%

SPEC 2' FB DT

-1.64%

-1.78%

-1.46%

-1.00%

0.00%

-0.78%

-0.46%

-1.78%

-1.00%

1.45%

SPEC 2' FB DT LT

-1.46%

0.00%

0.05%

0.05%

Low Wire
Sta 53+52.48
Elev.

953.50 951.50 950.98 950.48 950.09 949.85 949.12 946.22 953.50 951.85 949.12 953.50

VPI 26+84.02
Elev 951.50

VPI 50+17.85
Elev 954.28

100 YR WSE 946.12

EXISTING GROUNDLINE

EXISTING GROUNDLINE

STA 28+49.00
PROP 24" STORM SEWER
INV 941.57

| | | |

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R18 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\PLAN SET\R018OPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R018OPF
MicroStation v8.11.9.832

MATCHLINE STA 27+00

27+17.09 2.00%

27+54.27 2.00%

28+09.27 0.00%

23+19.27 -4.00%

LEOP -4.00%

RAMP C

Superelevation

31+46.00 -4.00%

32+01.00 -2.00%

33+02.33 -2.00%

50+00.58 -2.00%

LEOP -2.00%

RAMP D

MATCHLINE STA 54+70

PROPOSED PROFILE

EXISTING GROUNDLINE

2' FB DITCH RT

2' FB DITCH LT

-1.25%

-0.50%

-4.04%

-5.82%

C KY 205 STA 33+02.33
C RAMP C PDI STA 33+78.50
ELEV 951.43

B RAMP C STA 33+78.50
B KY 205 STA 33+02.33
ELEV 951.43

VPI 33+83.23
Elev 952.49

VPI 50+29.05
Elev 949.76

PVC 51+00.00
Elev 949.40

LO 51+63.62
Elev 949.24

VPI 52+00.00
Elev 948.90

VPI 53+00.00
Elev 949.97

VC=200.00'
LSD=539.66'

0.88%

1.82%

1.07%

0.90%

SPEC 2' FB DT LT

SPEC 2' FB DT RT

Low Wire
Elev. 50+52.88

LT STA 51+98.68 PROP 24" PIPE
CULVERT HEADWALL
@ 57°02'31" LT SKEW OF 939.69

STA 51+10.00
PROP 24" STORM SEWER
INV 940.77

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 956.16 | 957.67 | 955.46 | 956.97 | 955.63 | 952.38 | 948.30 | 944.57 | 944.23 | 944.85 | 944.32 | 943.95 | 943.88 | 941.85 | 942.42 | 944.60 | 945.42 | 947.89 | 950.70 | 952.43 | 952.72 | 952.28 |
| 959.15 | 958.53 | 957.90 | 957.28 | 956.65 | 956.03 | 955.40 | 954.78 | 954.15 | 953.53 | 952.91 | 951.54 | | 949.65 | 949.40 | 949.25 | 949.30 | 949.54 | 949.97 | 950.51 | 951.05 | 951.58 |
| 27+50 | 28+00 | 28+50 | 29+00 | 29+50 | 30+00 | 30+50 | 31+00 | 31+50 | 32+00 | 32+50 | 33+00 | 50+00 | 50+50 | 51+00 | 51+50 | 52+00 | 52+50 | 53+00 | 53+50 | 54+00 | 54+50 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

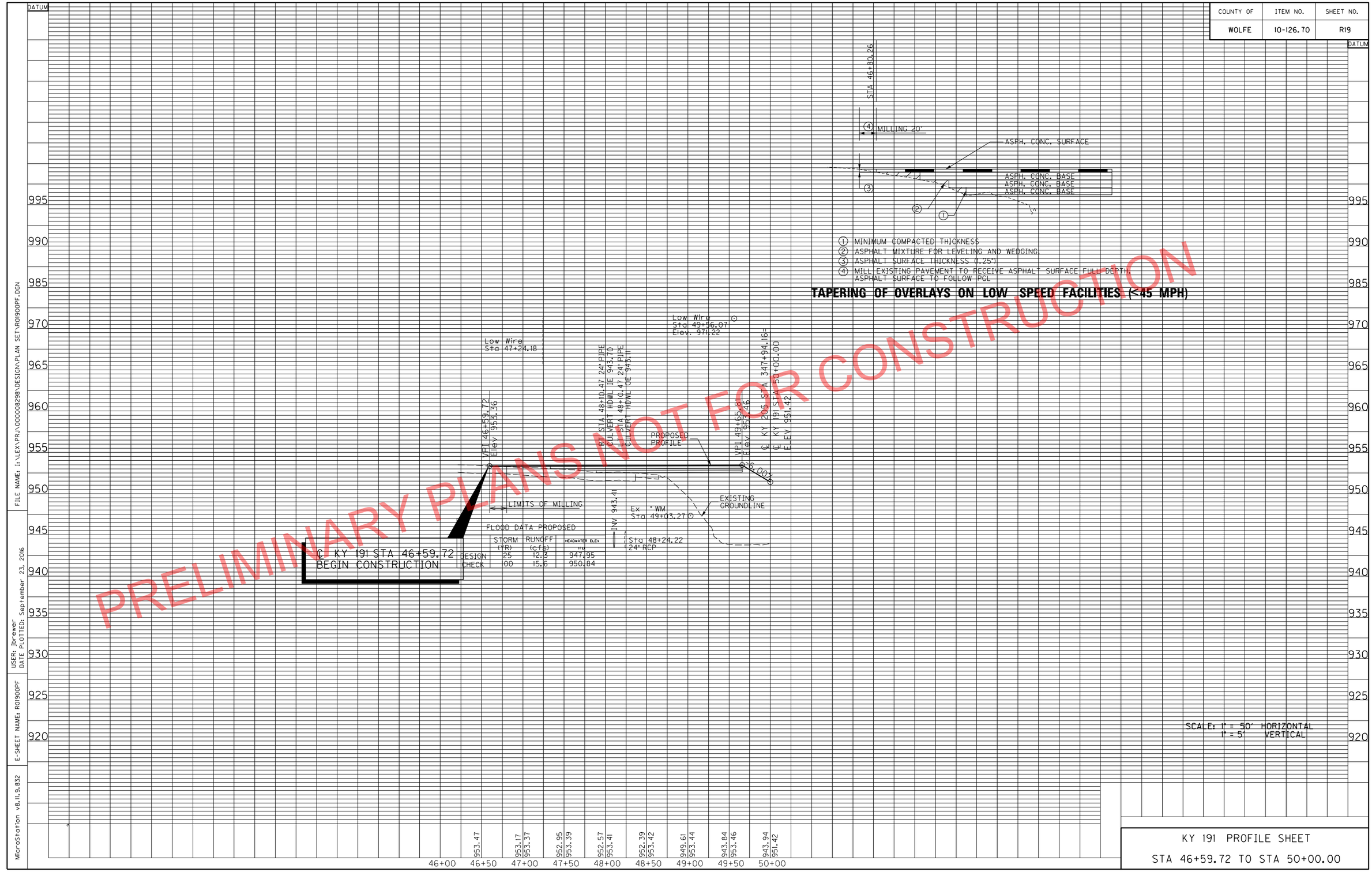
RAMP C & D PROFILE SHEET
STA 27+00 TO STA 33+02.33
STA 50+00.58 TO STA 54+70

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R19 |




① MINIMUM COMPACTED THICKNESS
② ASPHALT MIXTURE FOR LEVELING AND WEDGING.
③ ASPHALT SURFACE THICKNESS (0.25")
④ MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH. ASPHALT SURFACE TO FOLLOW PCL

**TAPERING OF OVERLAYS ON LOW SPEED FACILITIES (<45 MPH)**




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

KY 191 PROFILE SHEET
STA 46+59.72 TO STA 50+00.00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0190OPF.DGN
USER: Jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0190OPF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R20 |

RAMP C
PI STA 25+26.62
Δ = 9°38'52" RT
T = 191.57'
L = 382.23'
R = 2270.00'
E = 8.07'
e = 3.00%
Runoff = 78'
Runout = 52'

RAMP C
PI STA 19+36.00
Δ = 6°23'23" LT
T = 194.25'
L = 388.09'
R = 3480.00'
E = 5.42'
e = 3.00%
Runoff = 90'
Runout = 60'

MOUNTAIN PARKWAY
PI STA 135+24.21
Δ = 37°17'00" RT
T = 1798.06'
L = 3468.22'
R = 5330.00'
E = 1295.12'
e = 3.41%
Runoff = 192'
Runout = 113'

AREA U/C

WOLFE COUNTY
KENTUCKY FISCAL COURT

CROSSROADS BAPTIST MISSION

DWIGHT DYKES
ROBERTA DYKES
(HUSBAND & WIFE)

RONDELL EASTERLING
JUDY EASTERLING
(HUSBAND & WIFE)

COUNTRY CROSSROADS MARKET, LLC
I-S-FR GAS STATION
CANOPY
I-S-BLK

BENNIE MYRL & SHIRLEY EASTERLING
(HUSBAND & WIFE)

AMERICAN ELECTRIC POWER

KY 205 / KY 3172 (KY 191)

PROP. & EXIST. R/W

PROP TEMP ESMT FOR SLOPE CONSTRUCTION

PARK-N-RIDE
DO NOT DISTURB

FENCE CROSSING TYPE B

REMOVE AND REPLACE FENCE

6 BIRD HOUSE POLES

DO NOT DISTURB
MOUNTAIN TELEPHONE

SPEC 2' FB DITCH

Const Limits

PROP. R/W & C.A.

℄ RAMP C

N 65°03'54" W

N 74°42'45" W

S 68°19'22" W

S 72°08'13" E

℄ MT. PKWY

BERT T COMBS MOUNTAIN PKWY KY 402 / KY 9009

REMOVE

5' SHOULDER (4' PAVED)

360' TAPER @ 30:1

TG 960.92
FL 954.97

STA 154+64.46
END TAPER

STA 150+94.46
BEGIN TAPER

MATCHLINE STA 27+00

MATCHLINE STA 143+00

MATCHLINE STA 151+30

MATCHLINE STA 155+00

MATCHLINE STA 14+95.55

℄ RAMP C

℄ RAMP B

℄ MT PKWY

WOLFE COUNTY, KENTUCKY FISCAL COURT

S 85°53'36" E

S 86°23'04" E 249.60' EXIST. R/W & C.A.

S 84°43'00" E

S 78°34'35" E 297.68'

S 72°04'02" E 896.52'

S 77°24'55" E 442.94'

S 80°29'54" E 177.05'

S 56°53'47" E 174.64'

EXIST. R/W & C.A. S83°17'48" E (325.07')

30' TELEPHONE EASEMENT

20' TELEPHONE EASEMENT

EXIST. R/W & C.A. N55°55'35" W (123.39')

TO BE REMOVED KY 205

375' TAPER @ 25:1

800' TAPER @ 100:1

200' TAPER @ 100:1

EXIST DRAIN ESMT

15' CHANNEL CHANGE

WITNESS POST

DOUGLAS E. MULLINS

TR

TANK

RUIN

S55°55'35"W-59.03'

PROP. & EXIST. R/W

RAMP B
PI STA 60+91.14
Δ = 13°11'01" RT
T = 224.62'
L = 447.25'
R = 1943.75'
E = 12.94'
e = 4.40%
Runoff = 132'
Runout = 60'

LT STA 153+11 TO STA 155+00
REMOVE 190 LF OF FENCE

| DITCH CONSTRUCTION LT ℄ RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 16+22 - 20+30 | SPEC 2' FB | ECB | 1.0' | 1046 SQYD |
| 20+30 - 27+00 | SPEC 2' FB | ECB | 1.5' | 1219 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 17+50 - 18+78 | SPEC 2' FB | ECB | 1.5' | 151 SQYD |
| 24+00 - 26+00 | SPEC 2' FB | ECB | 1.5' | 236 SQYD |
| 26+00 - 27+00 | SPEC 2' FB | CLASS IV | 2.5' | 140 CUYD |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 143+00 to 145+70.71 | 269.98 |
| MT PKWY | LT 143+00 to 145+55.51 | 261.08 |
| MT PKWY | LT 146+90.79 to 155+00 | 815.83 |
| MT PKWY | LT 146+74.36 to 151+76.87 | 504.93 |
| MT PKWY | RT 144+78.69 to 155+00 | 1045.55 |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 143+00-155+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 149+32-155+00 | 15' CHANNEL CHANGE | CLASS IV | 6.0' | 3215 CUYD |

| DITCH CONSTRUCTION LT ℄ RAMP B | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 54+30 - 59+70 | SPEC 2' FB | ECB | 1.5' | 720 SQYD |

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| RAMP C | RT 14+95.55 to 26+00 | 1104.02 | SINGLE | (1) TERM. SEC. 1 |
| MT PKWY | LT 143+00 to 150+35.9 | 693.37 | SINGLE | (1) TY. 1 |
| MT PKWY | RT 143+00 to 146+39.2 | 335.72 | SINGLE | (1) TERM. SEC. 1 |
| MT PKWY | RT 143+13 to 143+39.82 | 37.5 | SINGLE | (2) TERM. SEC. 1 |
| MT PKWY | RT 152+00 to 155+00 | 300 | SINGLE | - |
| RAMP B | RT 54+30 to 63+13.77 | 882.95 | SINGLE | - |

RT STA 143+18 TO STA 144+86 REMOVE
273 SQYD OF EXIST PAVEMENT

LT STA 145+06 TO STA 147+31 REMOVE
721 SQYD OF EXIST PAVEMENT

LT STA 151+61 TO STA 152+71 REMOVE
228 SQYD OF EXIST PAVEMENT

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| RAMP C 27+00 TO 155+00 | WOVEN WIRE FENCE TY 1 | 1240 |
| | | |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| RAMP B 54+30 TO 155+00 | WOVEN WIRE FENCE TY 1 | 1172 |
| | | |

0' 50' 100' 200'

SCALE: 1"= 50'

MT PKWY PLAN SHEET
STA 143+00 TO STA 155+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R02000PL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02000PL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R21 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R02100PF.DGN
USER: Jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02100PF
MicroStation v8.11.9.832

DATUM

MATCHLINE STA 143+00

WB-CROWN & WB-LEOP 3.41%

EB-CROWN & EB-REOP -3.41%

-0.97%

-1.96%

Low Wire
Sta 150+09.26
Elev.

Low Wire
Sta 150+18.83
Elev.

Low Tele Wire
Sta 143+44.66
Elev.

EXISTING GROUNDLINE AT CENTERLINE

RAMP

KY 205

Sta 145+09.06
15" RCP
OE 944.49

Sta 143+59.74
36" RCP
Inv 940.76

Waterline
Sta 145+39.60
Elev.

Sta 147+10.43
15" RCP
Inv 950.88

PVC 148+66.40
Elev. 967.72

VPI 150+66.40
Elev. 967.72

VC=400.00'
SSD=1292.00'

PROPOSED PROFILE

PVT 152+66.40
Elev. 963.80

STA 151+03 END FULL DEPTH
WESTBOUND LANES
END REMOVE EX
WESTBOUND PVMT

151+30.47
-3.41%

152+08.47
-2.00%

154+35.47
-2.00%

WB-CROWN 2.00%

EB-REOP -2.00%

154+30.47
3.41%

152+08.47
2.00%

154+35.47
2.00%

EB-CROWN
WB-CROWN

EB-REOP
WB-LEOP

64' R/W @ MT PKWY STA 152+00.00+
@ RAMP STA 63+13.77

1 PT STA 151+48.8 PROF 54" PIPE
CULVERT HEADWALL OE 945.24
STA 151+48.9 PROF 54" PIPE CULVERT
EXTENSION @ 0°00'34" SKEW
RT STA 151+48.9 PROF 54" PIPE
CULVERT HEADWALL OE 938.85

Sta 151+48.85
54" RCP
Inv 940.83

0.08%

15' CHANNEL CHANGE RT

+40.51
937.81

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV. (ft) |
| DESIGN | 50 | 119.0 | 950.41 |
| CHECK | 100 | 135.2 | 951.03 |

| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV. (ft) |
| DESIGN | 50 | 119.2 | 948.58 |
| CHECK | 100 | 135.4 | 949.21 |

MATCHLINE STA 155+00

WB-LEOP
WB-CROWN
WB-GP
EB-GP
EB-CROWN
EB-REOP

SUPERELEVATION DEFINITION

995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 952.88 | 950.2 | 943.6 | 944.8 | 946.0 | 947.3 | 950.71 | 952.5 | 955.6 | 956.9 | 959.2 | 959.9 | 960.1 | 960.3 | 961.3 | 961.4 | 961.1 | 961.3 | 962.62 | 961.72 | 961.30 | 960.73 | 959.63 | 959.07 | 958.34 |
| 975.15 | 974.66 | 974.18 | 973.69 | 973.21 | 972.72 | 972.24 | 971.75 | 971.27 | 970.78 | 970.30 | 969.81 | 969.32 | 968.76 | 968.14 | 967.46 | 966.72 | 965.91 | 965.04 | 964.12 | 963.14 | 962.16 | 961.18 | 960.20 | 959.22 |

143+00 143+50 144+00 144+50 145+00 145+50 146+00 146+50 147+00 147+50 148+00 148+50 149+00 149+50 150+00 150+50 151+00 151+50 152+00 152+50 153+00 153+50 154+00 154+50 155+00

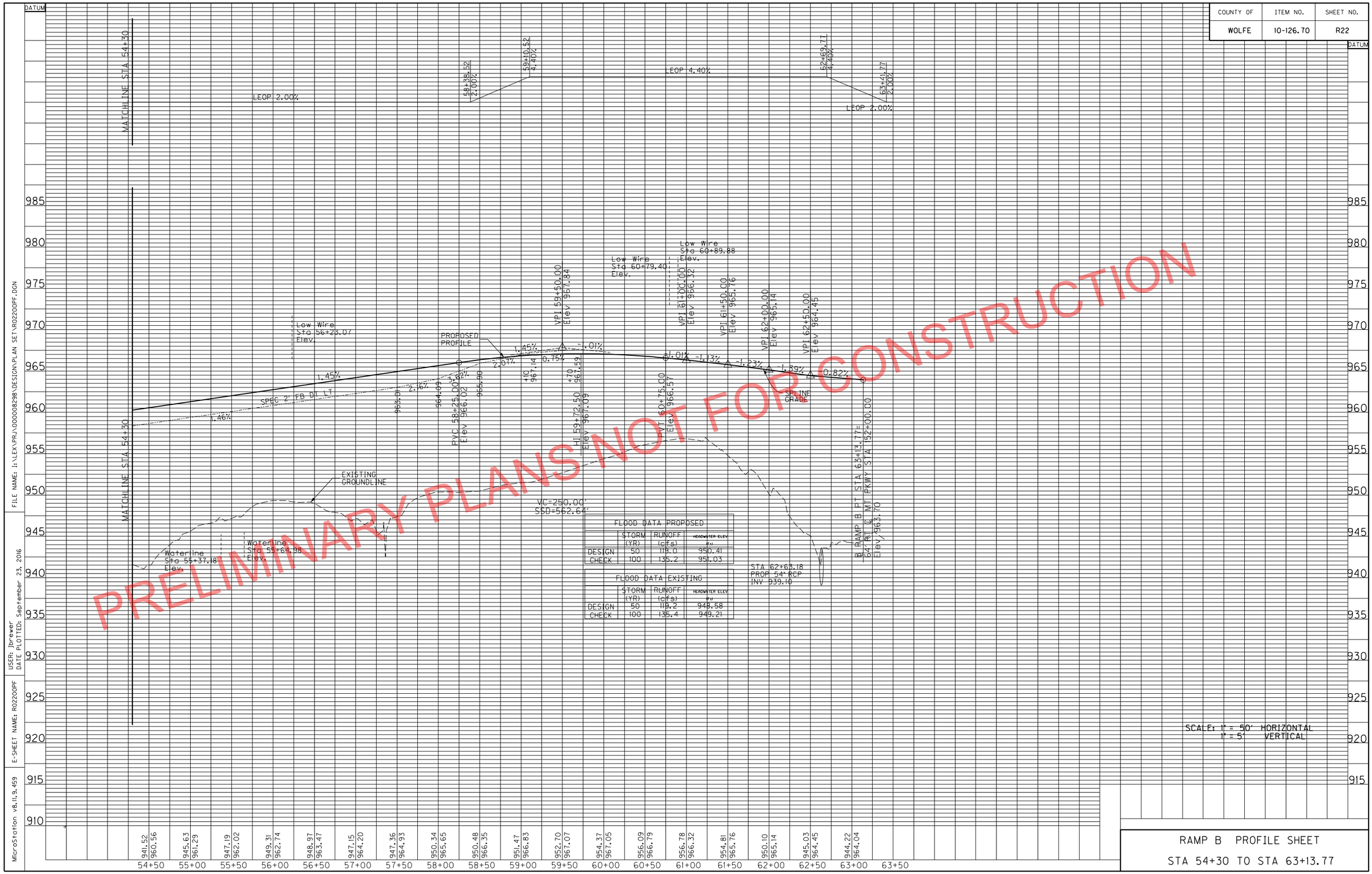
SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET

STA 143+00 TO STA 155+00

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R22 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

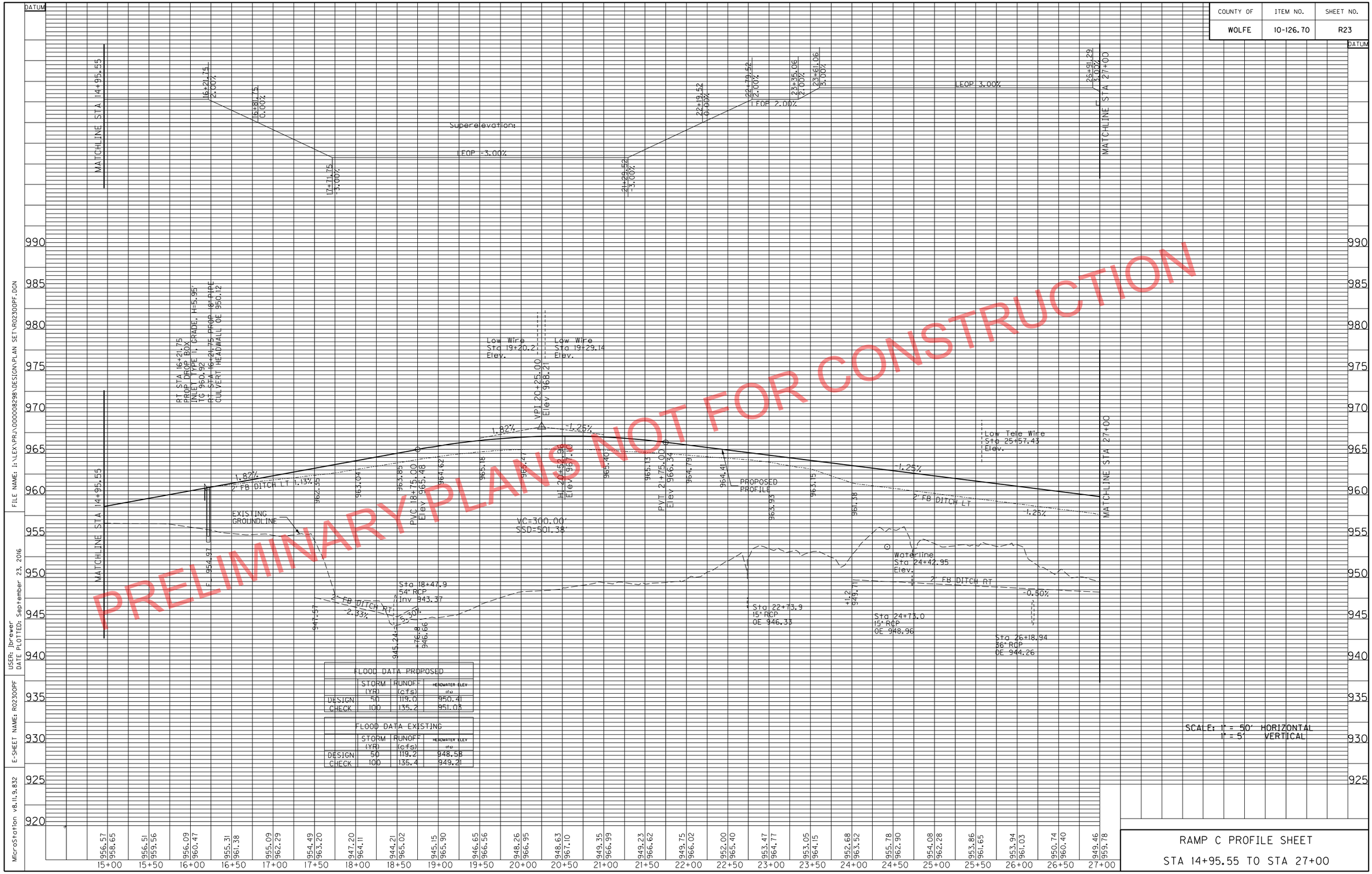
RAMP B PROFILE SHEET

STA 54+30 TO STA 63+13.77

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R02200PF.DGN
USER: Jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02200PF
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R23 |

PRELIMINARY: PLANS NOT FOR CONSTRUCTION




| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| FLOOD DATA PROPOSED | | | |
| DESIGN | 50 | 119.0 | 950.41 |
| CHECK | 100 | 135.2 | 951.08 |
| FLOOD DATA EXISTING | | | |
| DESIGN | 50 | 119.2 | 948.58 |
| CHECK | 100 | 135.4 | 949.21 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

RAMP C PROFILE SHEET

STA 14+95.55 TO STA 27+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R023OOPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R023OOPF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R24 |

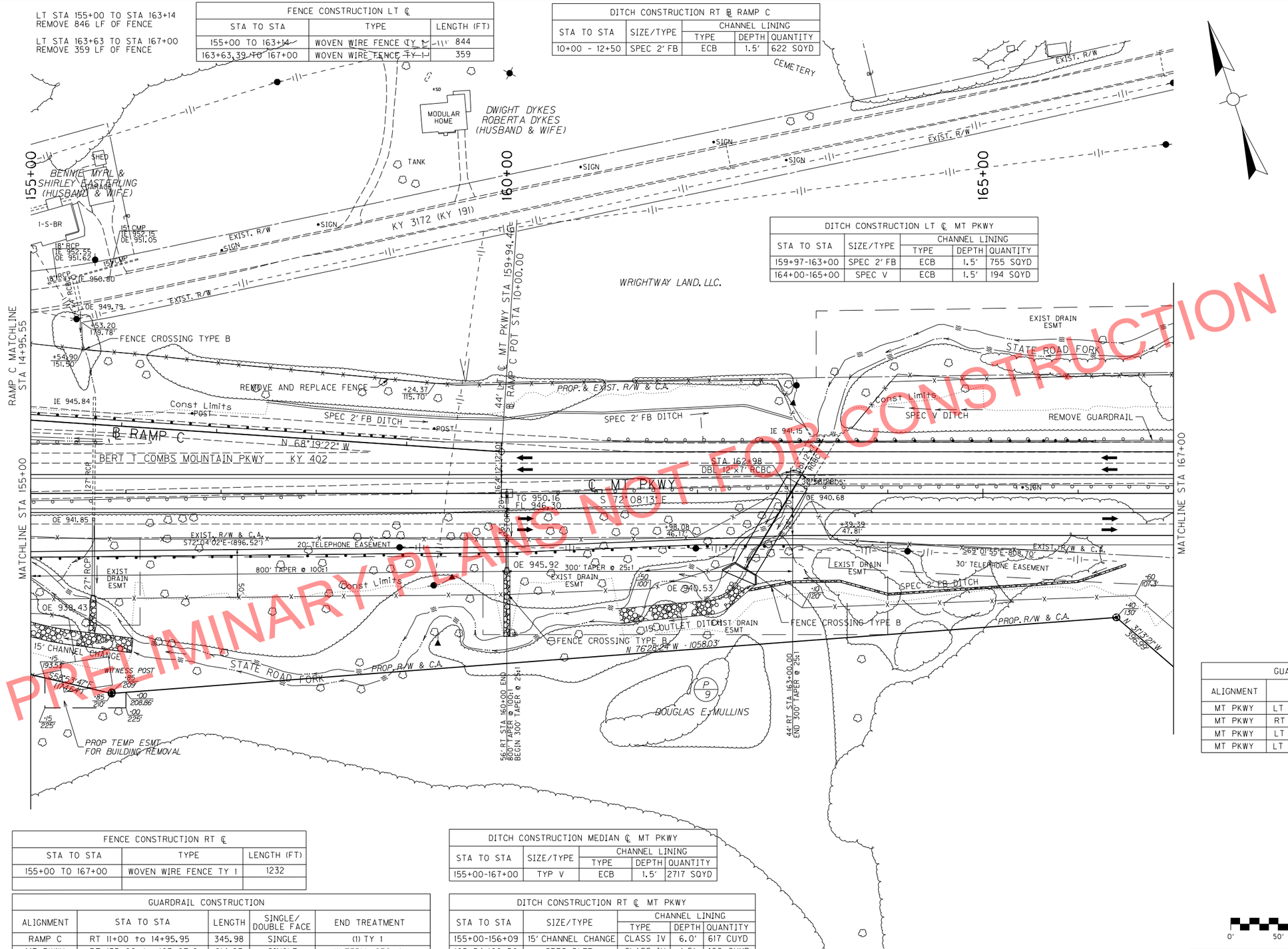
LT STA 155+00 TO STA 163+14
REMOVE 846 LF OF FENCE

LT STA 163+63 TO STA 167+00
REMOVE 359 LF OF FENCE

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 155+00 TO 163+14 | WOVEN WIRE FENCE TY 1 | 846 |
| 163+63.39 TO 167+00 | WOVEN WIRE FENCE TY 1 | 359 |

| DITCH CONSTRUCTION RT ℄ RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 10+00 - 12+50 | SPEC 2' FB | ECB | 1.5' | 622 SQYD |

| DITCH CONSTRUCTION LT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 159+97-163+00 | SPEC 2' FB | ECB | 1.5' | 755 SQYD |
| 164+00-165+00 | SPEC V | ECB | 1.5' | 194 SQYD |




| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 155+00 TO 167+00 | WOVEN WIRE FENCE TY 1 | 1232 |
| | | |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 155+00-167+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| RAMP C | RT 11+00 to 14+95.95 | 345.98 | SINGLE | (1) TY 1 |
| MT PKWY | RT 155+00 to 163+07.8 | 814.03 | SINGLE | (1) TERM. SEC. 1 |
| MT PKWY | LT 162+63.6 to 166+13.6 | 300 | SINGLE | (1) TY 1, (1) TERM. SEC. 1 |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 155+00-156+09 | 15' CHANNEL CHANGE | CLASS IV | 6.0' | 617 CUYD |
| 162+54-166+50 | SPEC 2' FB | CLASS IV | 1.5' | 400 CUYD |
| 166+50-167+00 | TYP 3' FB | ECB | 2.0' | 109 SQYD |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 155+00 to 155+75.65 | 77.77 |
| MT PKWY | RT 155+00 to 157+89.01 | 289.12 |
| MT PKWY | LT 161+04.67 to 167+00 | 595.35 |
| MT PKWY | LT 160+43.76 to 167+00 | 656.33 |

0' 50' 100' 200'

SCALE: 1"= 50'

MT PKWY PLAN SHEET
STA 155+00 TO STA 167+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R02400PL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02400PL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R25 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

WB-CROWN 2.00% EB-CROWN 2.00%

WB-LEOP -2.00% EB-REOP -2.00%

MATCHLINE STA 155+00

MATCHLINE STA 167+00

LT STA 155+65.6 PROP 27" RCP EXTENSION @ 0° SKEW
RT STA 155+65.6 PROP 27" PIPE CULVERT HEADWALL OE 939.43

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV ft |
| DESIGN | 50 | 38.6 | 951.04 |
| CHECK | 100 | 43.5 | 952.07 |

| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV ft |
| DESIGN | 50 | 38.1 | 950.95 |
| CHECK | 100 | 43.0 | 951.96 |

Low Wire
Sta 159+36.83
Elev.

VC=400.00'
HLSO=977.36'

GL STA 160+00 PROP DROP BOX
INV ELEV 948.54, H=3.86
IE= 950.76

RT STA 160+00 PROP 24" PIPE
CULVERT HEADWALL OE 945.92

STA 162+98 PROP DBL 12'x7' RCBC EXTENSION
@ 31.04° SKEW RT WITH (1) DBL 12'x7' RCBC HEADWALL

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV ft |
| DESIGN | 50 | 1467 | 948.70 |
| CHECK | 100 | 1687 | 951.78 |

| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV ft |
| DESIGN | 50 | 1472 | 949.83 |
| CHECK | 100 | 1693 | 952.02 |

PVC 156+72.20
Elev 955.85

VPI 156+72.20
Elev 951.94

LO 159+90.94
Elev 952.73
44 LT @ MT PKWY
@ RAMP C POT

PVT 160+72.20
Elev 952.93

PROPOSED PROFILE

EX. REOP

EXISTING GROUNDLINE AT CENTERLINE

STATE ROAD FORK

Sta 155+66.27
27" RCP
Inv 942.73

15' CHANNEL CHANGE LT
0.08%

+15.7
938.34

-1.96%

-1.96%

0.50%

SPEC 2' FB DT LT
0.83%

+27.9
948.04
FL 946.36

945.93
-2.46%

+27.7
941.28
941.68
INV 940.28

SPEC 2' FB DT RT

2.06%

946.52

0.80%

946.77

2.14%

947.71

9.28%

952.34

0.50%

+90.0
952.54

| 958.34 | 957.25 | 956.31 | 955.20 | 954.29 | 953.41 | 952.58 | 952.02 | 951.56 | 951.4 | 950.9 | 951.3 | 950.3 | 950.3 | 949.1 | 948.5 | 941.2 | 950.3 | 950.0 | 950.4 | 950.1 | 950.7 | 950.6 | 951.3 | 950.7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 959.22 | 958.24 | 957.27 | 956.29 | 955.33 | 954.51 | 953.85 | 953.34 | 952.98 | 952.78 | 952.73 | 952.84 | 953.07 | 953.32 | 953.57 | 953.82 | 954.07 | 954.32 | 954.57 | 954.82 | 955.07 | 955.32 | 955.57 | 955.82 | 956.07 |
| 155+00 | 155+50 | 156+00 | 156+50 | 157+00 | 157+50 | 158+00 | 158+50 | 159+00 | 159+50 | 160+00 | 160+50 | 161+00 | 161+50 | 162+00 | 162+50 | 163+00 | 163+50 | 164+00 | 164+50 | 165+00 | 165+50 | 166+00 | 166+50 | 167+00 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET
STA 155+00 TO STA 167+00

DATUM 985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R025OOPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R025OOPF
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R26 |

DATUM

990
985
980
975
970
965
960
955
950
945
940
935
930
925
920

LEOP 2.00%

Superelevation:

MATCHLINE STA 14+95.55

44.00' LT ℄ MT PKWY STA 159+94.46=
℄ RAMP C STA 10+00.00
ELEV 952.73

PVC (0+38.57
Elev 952.76

Low Wire
Sta 10+51
Elev

VC=283.39'
HLSD=20336.49'

VPI 11+90.22
Elev 952.82

PVI 13+21.97
Elev 955.20

PROPOSED
PROFILE

1.82%

EXISTING
GROUNDLINE

0.05%

0.05%

1.82%

2' FD DITCH RT

0.86%

0.50%

0.23%

TOC
948.05

948.90

949.40

+47.51
945.51

Sta 14+29
27" RCP
IE 945.84

MATCHLINE STA 14+95.55

952.73 | 952.36 | 952.49 | 952.60 | 953.28 | 953.89 | 954.70 | 955.46 | 956.05 | 956.47
952.76 | 952.90 | 953.19 | 953.65 | 954.25 | 955.02 | 955.91 | 956.82 | 957.73

10+00 | 10+50 | 11+00 | 11+50 | 12+00 | 12+50 | 13+00 | 13+50 | 14+00 | 14+50

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

RAMP C PROFILE SHEET

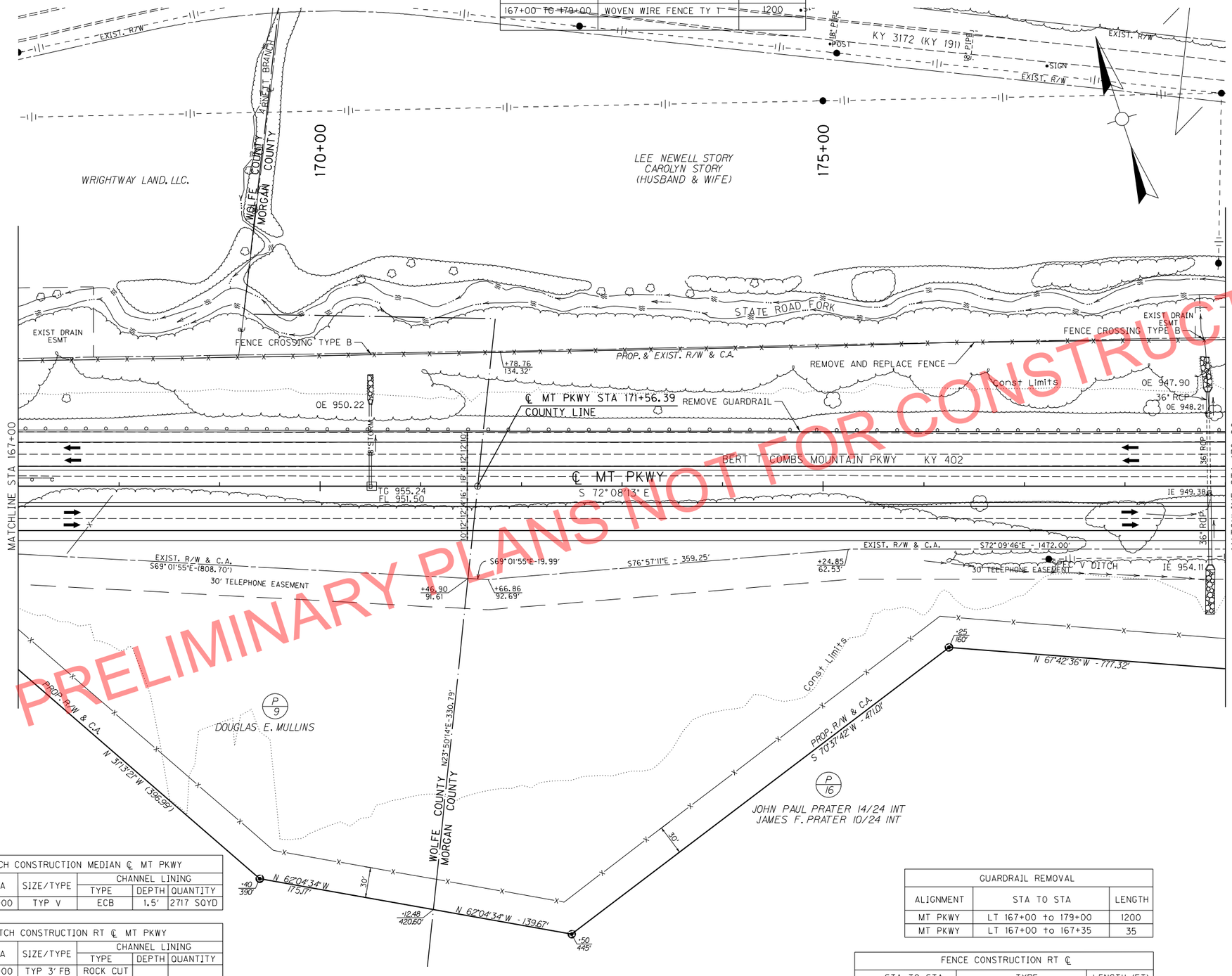
STA 14+95.55 TO STA 27+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R02600PF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02600PF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE<br>MORGAN | 10-126.70 | R27 |

LT STA 167+00 TO STA 179+00
REMOVE 1200 LF OF FENCE

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 167+00 TO 179+00 | WOVEN WIRE FENCE TY 1 | 1200 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 167+00-179+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 167+00-176+00 | TYP 3' FB | ROCK CUT | | |
| 176+00-178+79 | SPEC V | ECB | 1.5' | 448 SQYD |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 167+00 to 179+00 | 1200 |
| MT PKWY | LT 167+00 to 167+35 | 35 |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 167+00 TO 179+00 | WOVEN WIRE FENCE TY 1 | 1383 |
| | | |

SCALE: 1"= 50'

0' 50' 100' 200'

MT PKWY PLAN SHEET
STA 167+00 TO STA 179+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R02700PL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02700PL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R28 |

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R02800PF.DGN
USER: Jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02800PF
MicroStation v8.11.9.536

DATUM

MATCHLINE STA 167+00

WB=CROWN 2.00% EB=CROWN 2.00%

WB=LEOP -2.00% EB=REOP -2.00%

STA 170+50 PROP 18" PIPE CULVERT HEADWALL OE 950.22

STA 170+50 PROP 18" DROP DROP BOX INLET TYPE SE. GRADE H=3.74' 955.24

STA 170+50 PROP 18" PIPE CULVERT HEADWALL OE 950.40

MATCHLINE STA 167+00

MATCHLINE STA 179+00

LT STA 178+82.2 PROP 36" PIPE CULVERT HEADWALL OE 957.90
STA 178+83.5 PROP 36" RCP EXTENSION @ 0°49'53" SKEW
RT STA 178+84.7 PROP 36" PIPE CULVERT HEADWALL OE 954.11

PROPOSED PROFILE

EX. REOP

EXISTING GROUNDLINE AT CENTERLINE

0.50%

-1.30%

-2.00%

-0.53%

SPEC "V" DT RT

Sta 178+83.60
36" Pipe
Inv 949.25

957.08 955.78 954.78 +78.8 954.11

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 34.1 | 952.30 |
| CHECK | 100 | 38.4 | 952.56 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 32.7 | 956.87 |
| CHECK | 100 | 36.8 | 957.11 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| STA | |
|---|---|
| 167+00 | 950.7 / 956.07 |
| 167+50 | 952.6 / 956.32 |
| 168+00 | 953.8 / 956.57 |
| 168+50 | 954.5 / 956.82 |
| 169+00 | 954.3 / 957.07 |
| 169+50 | 954.2 / 957.32 |
| 170+00 | 953.9 / 957.57 |
| 170+50 | 953.8 / 957.82 |
| 171+00 | 954.2 / 958.06 |
| 171+50 | 954.7 / 958.31 |
| 172+00 | 955.2 / 958.56 |
| 172+50 | 956.4 / 958.81 |
| 173+00 | 955.9 / 959.06 |
| 173+50 | 956.1 / 959.31 |
| 174+00 | 958.6 / 959.56 |
| 174+50 | 959.2 / 959.81 |
| 175+00 | 957.3 / 960.06 |
| 175+50 | 956.1 / 960.31 |
| 176+00 | 955.7 / 960.56 |
| 176+50 | 955.9 / 960.81 |
| 177+00 | 956.3 / 961.06 |
| 177+50 | 957.3 / 961.31 |
| 178+00 | 958.0 / 961.56 |
| 178+50 | 957.7 / 961.81 |
| 179+00 | 957.5 / 962.06 |

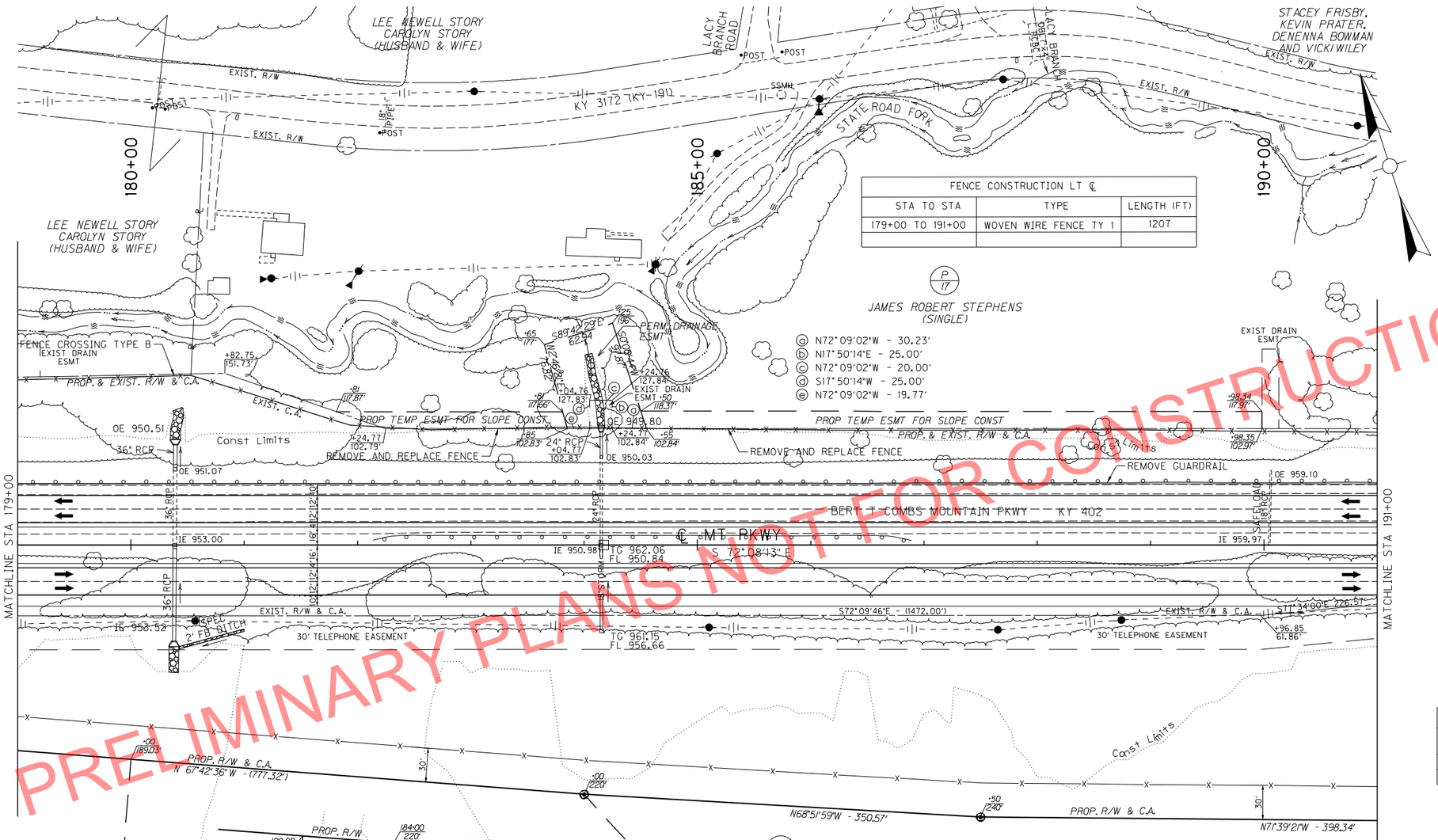
SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET
STA 167+00 TO STA 179+00

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R29 |

LT STA 179+00 TO STA 191+00
REMOVE 1207 LF OF FENCE

STA 190+05 - 4.4 CUYD SAFELOADING
67 LF OF EXIST 18" PIPE




| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 179+00 TO 191+00 | WOVEN WIRE FENCE TY 1 | 1207 |
| | | |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 179+00-191+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 180+42-181+00 | SPEC 2' FB | CLASS IV | 1.5' | 52 CUYD |
| 181+00-182+50 | TYP V | ECB | 1.5' | 244 SQYD |
| 182+50-190+25 | TYP 3' FB | ROCK CUT | 1.5' | |
| 190+25-191+00 | TYP V | ECB | 1.5' | 122 SQYD |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 179+00 TO 191+00 | WOVEN WIRE FENCE TY 1 | 1202 |
| | | |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 179+00 to 191+00 | 1200 |
| MT PKWY | LT 182+13.74 to 186+89.02 | 476.11 |

SCALE: 1"= 50'

0' 50' 100' 200'

MT PKWY PLAN SHEET
STA 179+00 TO STA 191+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\PLAN SET\R02900PL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R02900PL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R30 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

WB-CROWN 2.00% EB-CROWN 2.00%

WB-LEOP -2.00% EB-REOP -2.00%

MATCHLINE STA 179+00

MATCHLINE STA 191+00

LT STA 180+39.2 PROP 36" PIPE
CULVERT HEADWALL OE 950.51
STA 180+38.6 PROP 36" RCP EXTENSION
Inv 952.92
RT STA 180+38.0 PROP 36" PIPE
CULVERT HEADWALL OE 953.52

LT STA 184+15.1 PROP 24" PIPE
CULVERT HEADWALL OE 949.80

℄ STA 184+15.2 PROP DROP BOX
INLET TYPE 5B MODIFIED, GRADE
H=11.22', TG 962.06

RT STA 184+15.28 PROP DROP BOX
INLET TYPE "I", GRADE, H=4.49'
TG 961.15

PROPOSED PROFILE

EX. REOP

0.50%

0.50%

-0.55%

EXISTING GROUNDLINE AT CENTERLINE

Sta 180+38.60
36" RCP
Inv 952.92

442.3 LF 36" RCP @ 1.48%
953.52 - 946.97

DESIGN FLOW RT 48.6 CFS
RT 959.54

℄ FL 950.84
RT FL 950.66

Sta 184+15.20
24" RCP
Inv 950.86

PVC 88.80=00
Elev 966.95

Sta 190+04.62
18" RCP
Inv 959.96

VPI 190+30.00
Elev 967.70

H 190+23.24
Elev 966.31

VC=300.00'
SSD=1182.11'

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 43.2 | 956.47 |
| CHECK | 100 | 48.1 | 956.82 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 44.3 | 957.10 |
| CHECK | 100 | 49.3 | 957.46 |

| | 179+00 | 179+50 | 180+00 | 180+50 | 181+00 | 181+50 | 182+00 | 182+50 | 183+00 | 183+50 | 184+00 | 184+50 | 185+00 | 185+50 | 186+00 | 186+50 | 187+00 | 187+50 | 188+00 | 188+50 | 189+00 | 189+50 | 190+00 | 190+50 | 191+00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXISTING | 957.5 | 958.4 | 958.7 | 958.1 | 959.7 | 960.5 | 961.7 | 962.5 | 960.4 | 960.0 | 960.0 | 959.7 | 959.4 | 960.1 | 961.4 | 962.4 | 963.8 | 962.9 | 962.1 | 962.8 | 962.7 | 962.6 | 962.7 | 963.4 | 964.6 |
| PROPOSED | 962.06 | 962.31 | 962.56 | 962.81 | 963.06 | 963.31 | 963.56 | 963.81 | 964.06 | 964.30 | 964.55 | 964.80 | 965.05 | 965.30 | 965.55 | 965.80 | 966.05 | 966.30 | 966.55 | 966.80 | 967.04 | 967.21 | 967.30 | 967.30 | 967.21 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

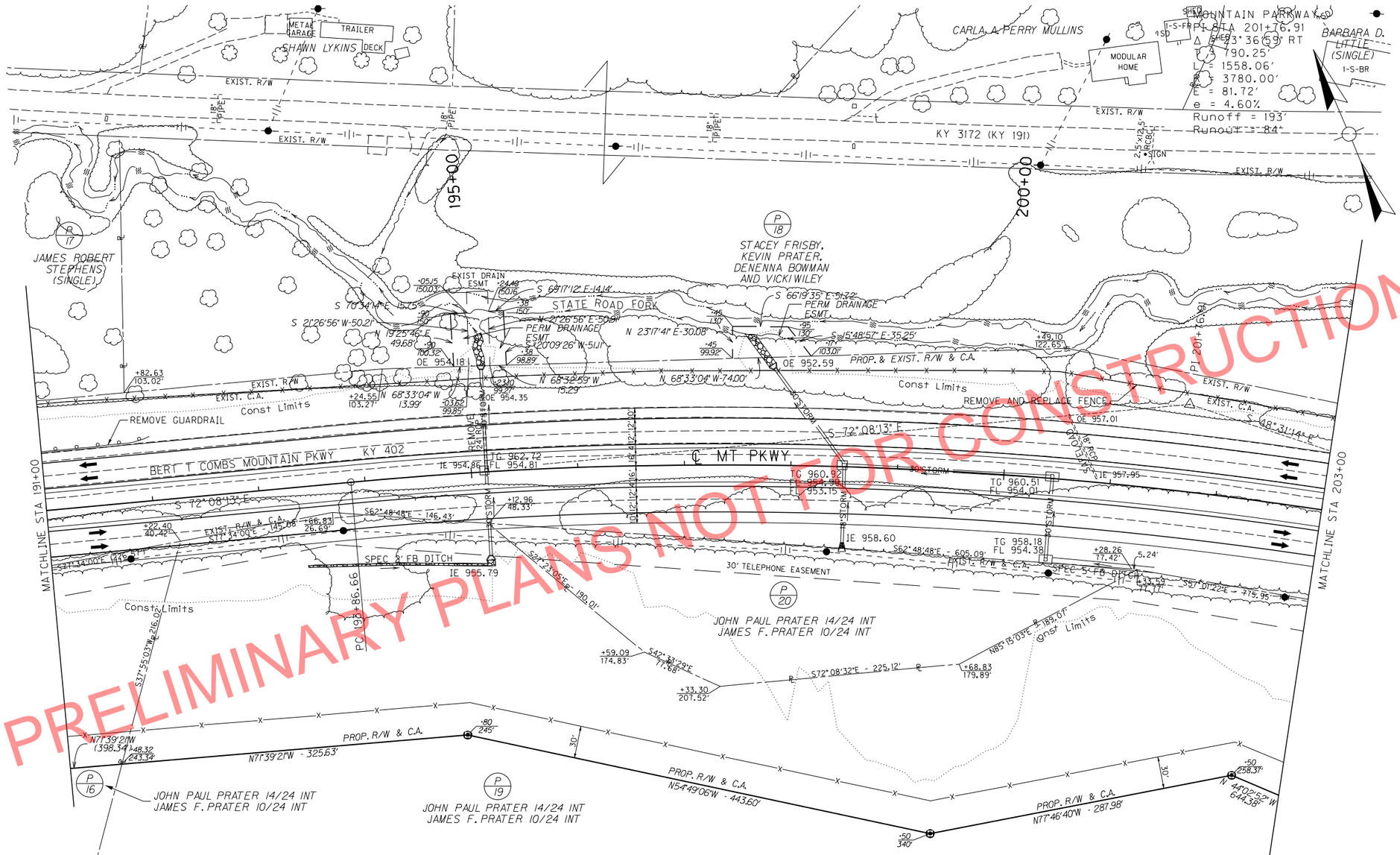
MT PKWY PROFILE SHEET
STA 179+00 TO STA 191+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R03000PF.DGN
USER: Jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R03000PF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R31 |

LT STA 191+00 TO STA 203+00
REMOVE 1223 LF OF FENCE

STA 200+71 - 4.3 CUYD SAFELOADING
66 LF OF EXIST 18" PIPE




| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 191+00 to 192+02.36 | 102.95 |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 191+00-203+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 191+00-193+40 | TYP V | ECB | 2.0' | 546 SQYD |
| 193+40-195+14 | SPEC 2' FB | CLASS IV | 1.5' | 176 CUYD |
| 195+14-197+00 | TYP V | ECB | 1.5' | 302 SQYD |
| 197+00-200+45 | TYP 3' FB | ROCK CUT | | |
| 200+45-201+50 | SPEC 5' FB | ROCK CUT | | |
| 201+50-203+00 | TYP 3' FB | ROCK CUT | | |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 191+00 TO 203+00 | WOVEN WIRE FENCE TY 1 | 1223 |
| | | |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 191+00 TO 203+00 | WOVEN WIRE FENCE TY 1 | 1160 |
| | | |

SCALE: 1"= 50'

0' 50' 100' 200'

MT PKWY PLAN SHEET
STA 191+00 TO STA 203+00


MicroStation v8.11.9.832
E-SHEET NAME: R03100PL
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R03100PL.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R32 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R032OOPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R032OOPF
MicroStation v8.11.9.832

DATUM

MATCHLINE STA 191+00

191+73.99 2.00%

193+41.99 2.00%

194+50.99 4.60%

WB-CROWN 2.00%

EB-REOP -2.00%

WB CROWN & WB-LEOP 4.60%

EB-CROWN & EB-REOP -4.60%

MATCHLINE STA 203+00

WB-LEOP
WB-CROWN
WB-GP
EB-GP
EB-CROWN
EB-REOP

SUPERELEVATION DEFINITION

995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920

LT STA 195+14.7 PROP 30" PIPE
CULVERT HEADWALL OE 954.18

℄ STA 195+14.3 PROP DROP
BOX INLET TYPE 5B
H=1.33' TG 952.72

LT STA 197+83.8 PROP 30" PIPE
CULVERT HEADWALL OE 952.59
@ 36.54° SKEW

℄ STA 198+90.00
PVC
Elev 963.00

℄ STA 198+50 PROP DROP
BOX INLET TYPE 5B GRADE.
H=7.77' TG 960.32

RT STA 198+50 PROP 18" S&F
BOX INLET OUTLET IE 958.60
@ 2° SKEW DOWNSTREAM FROM
FLOW CAPTURE

℄ STA 200+45.46 PROP DROP
BOX INLET TYPE 5B SAG.
H=6.50' TG 960.51

VC 500.00'
HLSD=1767.14

RT STA 200+45.46 PROP DROP
BOX INLET TYPE 2 SAG.
H=1.80' TG 958.18

℄ PVT 201+90.00
Elev 962.94

LO 200+49.10
Elev 962.84

MATCHLINE STA 191+00

PVT 191+90.00
Elev 966.88

+40
962.05

SPEC 3' FB DI RT
-3.60% -0.55%

EXISTING GROUNDLINE AT CENTERLINE

Sta 195+14.25
24" RCP
Inv 954.83

30" STORM SEWER
PIPE @ 1.31%

℄ FL 954.81
RT FL 955.79

PROPOSED PROFILE

EX. REOP

-0.55%

PROP 18" STORM SEWER
PIPE @ 0.50%

30" STORM SEWER
PIPE @ 0.40%

℄ FL 953.15
INV 954.99 (IN)

-0.56%

0.51%

SPEC 5' FB DI RT
0.50%

+50
958.29

30" STORM SEWER
PIPE @ 0.50%

℄ FL 954.01
RT FL 954.38

VC 200+40.00
Elev 962.98

FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 6.48 | 959.58 |
| CHECK | 100 | 7.16 | 960.44 |

FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 20.4 | 959.16 |
| CHECK | 100 | 22.7 | 959.19 |

| 191+00 | 191+50 | 192+00 | 192+50 | 193+00 | 193+50 | 194+00 | 194+50 | 195+00 | 195+50 | 196+00 | 196+50 | 197+00 | 197+50 | 198+00 | 198+50 | 199+00 | 199+50 | 200+00 | 200+50 | 201+00 | 201+50 | 202+00 | 202+50 | 203+00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 964.6 | 965.6 | 966.5 | 966.6 | 966.3 | 963.3 | 961.8 | 961.2 | 959.9 | 960.1 | 959.3 | 959.0 | 959.2 | 959.2 | 958.9 | 959.0 | 958.9 | 958.6 | 958.6 | 959.9 | 961.6 | 961.3 | 962.1 | 963.0 | 964.6 |
| 967.21 | 967.03 | 966.77 | 966.50 | 966.22 | 965.95 | 965.68 | 965.40 | 965.13 | 964.86 | 964.59 | 964.31 | 964.04 | 963.77 | 963.49 | 963.26 | 963.07 | 962.94 | 962.86 | 962.84 | 962.87 | 962.95 | 963.08 | 963.26 | 963.50 |

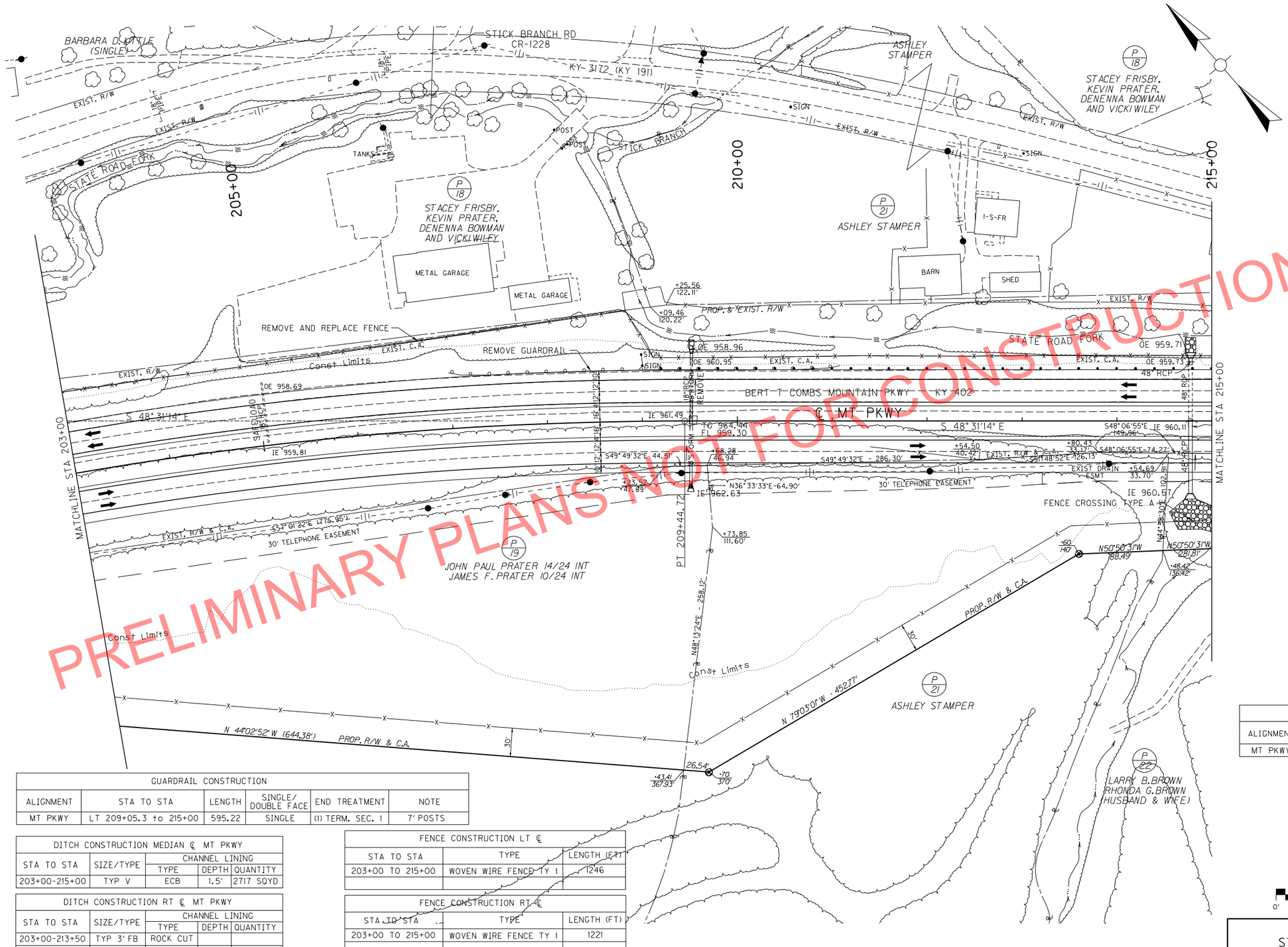
SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET
STA 191+00 TO STA 203+00

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R33 |

STA 205+06 - 4.1 CUYD SAFELOADING
63 LF OF EXIST 18" PIPE

LT STA 203+00 TO STA 215+00
REMOVE 1246 LF OF FENCE




PRELIMINARY PLANS NOT FOR CONSTRUCTION

MOUNTAIN PARKWAY
PI STA 201+76.91
Δ = 23°36'59" RT
T = 790.25'
L = 1558.06'
R = 3780.00'
E = 81.72'
e = 4.60%
Runoff = 193'
Runout = 84'

| GUARDRAIL CONSTRUCTION | | | | | |
|---|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT | NOTE |
| MT PKWY | LT 209+05.3 to 215+00 | 595.22 | SINGLE | (1) TERM. SEC. 1 | 7' POSTS |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 203+00-215+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 203+00-213+50 | TYP 3' FB | ROCK CUT | | |
| 213+50-214+53 | TYP V | ECB | 1.5' | 168 SQYD |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 203+00 TO 215+00 | WOVEN WIRE FENCE TY 1 | 1246 |
| | | |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 203+00 TO 215+00 | WOVEN WIRE FENCE TY 1 | 1221 |
| | | |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 206+99.09 to 211+07.96 | 413.15 |

0' 50' 100' 200'

SCALE: 1"= 50'

MT PKWY PLAN SHEET
STA 203+00 TO STA 215+00

Microstation v8.11.9.832
E-SHEET NAME: R03300PL
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R03300PL.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R34 |

DATUM

MATCHLINE STA 203+00

WB-CROWN & WB-LEOP 4.60%

EB-CROWN & EB-REOP -4.60%

208+86.39 4.60%

208+86.39 -4.60%

209+89.39 -2.00%

209+89.39 2.00%

211+57.39 2.00%

211+57.39 -2.00%

WB-CROWN 2.00%

EB-REOP -2.00%

EB-CROWN & WB-CROWN 2.00%

EB-REOP & WB-LEOP -2.00%

MATCHLINE STA 215+00

WB-LEOP WB-CROWN WB-GP EB-GP EB-CROWN EB-REOP

SUPERELEVATION DEFINITION

995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920

MATCHLINE STA 203+00

0.51%

PROPOSED PROFILE

EXISTING GROUNDLINE AT CENTERLINE

0.51%

EX. REOP

Sta 214+77.51 48"RCP Inv 960.11

MATCHLINE STA 215+00

Inv 960.11

PROP 18" STORM SEWER PIPE @ 4.97%

@ FL 959.30

G.I. STA 209+45.37 PROP DROP BOX INLET TYPE B GRADE, H=5.14' FG 964.44

RT STA 209+5.03 PROP 18" S&F BOX INLET OUTLET IE 962.63 8.2 BEHW DOWNSTREAM FOR FLOW CAPTURE

LT STA 209+5.72 PROP 18" PIPE CULVERT HEADWALL OE 958.96

LT STA 214+77.56 PROP 48" PIPE CULVERT HEADWALL OE 959.71

STA 214+77.5 PROP 48" RCP EXTENSION @ 0°02'14" SKEW

RT STA 214+77.41 PROP 48" PIPE CULVERT HEADWALL OE 960.57

FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 3.94 | 963.39 |
| CHECK | 100 | 4.39 | 963.43 |

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 112.6 | 965.96 |
| CHECK | 100 | 126.2 | 966.76 |

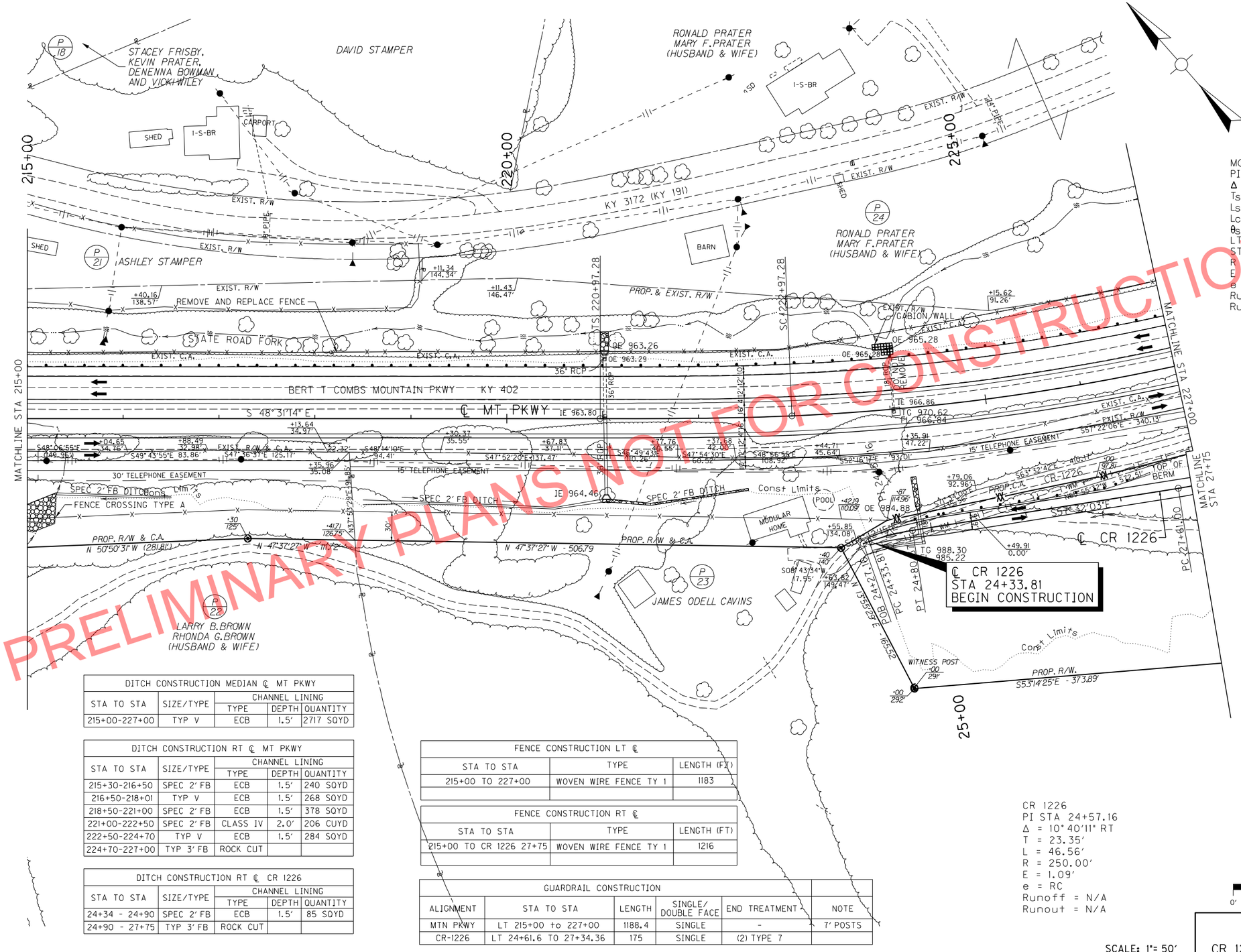
FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 111.6 | 966.36 |
| CHECK | 100 | 124.9 | 967.13 |

| | | |

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R35 |

LT STA 215+00 TO STA 227+00
REMOVE 1183 LF OF FENCE




MOUNTAIN PARKWAY
PI STA 237+19.76
Δ = 66°03'26" LT

| | | |
|---|---|---|
| Ts = | 1622.48' | 1661.42' |
| Ls = | 200.00' | 280.00' |
| Lc = | 2457.83' | |
| θs = | 2°26'55" | 3°25'41" |
| LT = | 133.35' | 186.70' |
| ST = | 66.68' | 93.37' |
| R = | 2340.00' | |
| E = | 452.29' | |
| e = | 6.68% | |
| Runoff = | 280' | |
| Runout = | 84' | |

CR 1226
PI STA 24+57.16
Δ = 10°40'11" RT
T = 23.35'
L = 46.56'
R = 250.00'
E = 1.09'
e = RC
Runoff = N/A
Runout = N/A

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 215+00-227+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 215+30-216+50 | SPEC 2' FB | ECB | 1.5' | 240 SQYD |
| 216+50-218+01 | TYP V | ECB | 1.5' | 268 SQYD |
| 218+50-221+00 | SPEC 2' FB | ECB | 1.5' | 378 SQYD |
| 221+00-222+50 | SPEC 2' FB | CLASS IV | 2.0' | 206 CUYD |
| 222+50-224+70 | TYP V | ECB | 1.5' | 284 SQYD |
| 224+70-227+00 | TYP 3' FB | ROCK CUT | | |

| DITCH CONSTRUCTION RT ℄ CR 1226 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 24+34 - 24+90 | SPEC 2' FB | ECB | 1.5' | 85 SQYD |
| 24+90 - 27+75 | TYP 3' FB | ROCK CUT | | |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 215+00 TO 227+00 | WOVEN WIRE FENCE TY 1 | 1183 |
| | | |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 215+00 TO CR 1226 27+75 | WOVEN WIRE FENCE TY 1 | 1216 |
| | | |

| GUARDRAIL CONSTRUCTION | | | | | |
|---|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT | NOTE |
| MTN PKWY | LT 215+00 to 227+00 | 1188.4 | SINGLE | - | 7' POSTS |
| CR-1226 | LT 24+61.6 TO 27+34.36 | 175 | SINGLE | (2) TYPE 7 | |

0' 50' 100' 200'

SCALE: 1"= 50'

℄ CR 1226
STA 24+33.81
BEGIN CONSTRUCTION

MT PKWY PLAN SHEET
STA 215+00 TO STA 227+00
CR 1226 STA 24+27.16 TO STA 27+75

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MicroStation v8.11.9.832
E-SHEET NAME: R035OOPL
USER: jhieronymus
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R035OOPL.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R36 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MATCHLINE STA 215+00

EB-CROWN & WB-CROWN 2.00%

EB-REOP & WB-LEOP -2.00%

220+13.28 2.00%

EB-CROWN 2.00%

WB-LEOP -2.00%

221+86.28 2.00%

223+77.28 6.68%

EB-CROWN & EB-REOP 6.68%

WB-CROWN & WB-LEOP -6.68%

223+77.28 -6.68%

MATCHLINE STA 227+00

WB-LEOP WB-CROWN WB-GP EB-GP EB-CROWN EB-REOP

SUPERELEVATION DEFINITION

VC=300.00'
HLSD=3538.75'

PVC 220+00.00
Elev 972.14

LT STA 221+01.79 PROP 36" PIPE
CULVERT HEADWALL OE 963.26
STA 221+01.7 PROP 36" RCP
EXTENSION @ 0.47:34 SKEW
RT STA 221+03.81 PROP 36" PIPE
CULVERT HEADWALL OE 964.46

VPI 222+50.00
Elev 972.90

Low Wire
Sta 221+69.19
Elev.

PROPOSED PROFILE

PVT 223+00.00
Elev 974.12

RT STA 224+03.78 PROP DROP
BOX INLET TYPE R
R=51.78 LT 970.62 EB GRADE.
LT STA 224+03.60 PROP 18" PIPE
CULVERT HEADWALL OE 965.28

VPI 225+00.00
Elev 975.75

PVT 226+50.00
Elev 976.48

MATCHLINE STA 227+00

0.51%

0.81%

0.49%

0.8%

EX. REOP

SPEC 2 FB DT RT

-0.50%

-0.30%

INLET CHANNEL

+50.0 964.59

+50.0 965.19

965.18

964.46

+10.0

964.55

971.98

EXISTING GROUNDLINE AT CENTERLINE

Sta 224+03.77
18" RCP
Inv 966.81

FL 966.84

Sta 223+02.69
36" RCP
IE 963.80

FL 961.81

P/C 223+50.00
Elev 974.53

VC=300.00'
SSD=3463.84'

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (c.f.s.) | HEADWATER ELEV "d" |
|---|---|---|---|
| DESIGN | 50 | 43.7 | 967.33 |
| CHECK | 100 | 48.9 | 967.71 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (c.f.s.) | HEADWATER ELEV "d" |
|---|---|---|---|
| DESIGN | 50 | 44.4 | 968.04 |
| CHECK | 100 | 50.1 | 968.46 |

| | 215+00 | 215+50 | 216+00 | 216+50 | 217+00 | 217+50 | 218+00 | 218+50 | 219+00 | 219+50 | 220+00 | 220+50 | 221+00 | 221+50 | 222+00 | 222+50 | 223+00 | 223+50 | 224+00 | 224+50 | 225+00 | 225+50 | 226+00 | 226+50 | 227+00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXISTING | 964.0 | 965.3 | 965.8 | 966.4 | 966.5 | 966.9 | 966.7 | 967.2 | 967.8 | 967.9 | 968.1 | 968.4 | 965.8 | 968.0 | 968.8 | 970.6 | 973.0 | 971.1 | 970.3 | 971.4 | 972.1 | 972.9 | 973.6 | 974.1 | 974.6 |
| PROPOSED | 969.60 | 969.85 | 970.11 | 970.36 | 970.61 | 970.87 | 971.12 | 971.38 | 971.63 | 971.88 | 972.14 | 972.40 | 972.70 | 973.01 | 973.36 | 973.73 | 974.12 | 974.53 | 974.92 | 975.29 | 975.63 | 975.94 | 976.23 | 976.48 | 976.73 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET

STA 215+00 TO STA 227+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R03600PF.DGN
USER: Jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R03600PF
MicroStation v8.11.9.655

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R37 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

DATUM

1030 1025 1020 1015 1010 1005 1000 995 990 985 980 975 970 965 950 945 940

℄ CR 1226
STA 24+33.81
BEGIN CONSTRUCTION

VPI 24+33.81
Elev 984.71

DT FL 984.40

FL 985.22
SPEC 2' FB DT RT

RT STA 24+90 DROP BOX INLET
RT LING APRON HT 3.08 TG 988.30
LT STA 24+90 18" CMP
HEADWALL OE 984.88

VPI 25+17.50
Elev 991.46

PVC
Sta 25+17.32
Elev.

WM

FL 988.3

EXISTING GROUND LINE

VPI 26+10.00
Elev 998.93

-1.49%

PROPOSED PROFILE

VC=185.00'
SSD=205.39'

HI 26+73.68
Elev 997.76

PVT 27+02.50
Elev 997.55

-1.49%

MATCH LINE STA 27+75

24+00 24+50 25+00 25+50 26+00 26+50 27+00 27+50

986.76 986.01 | 991.78 990.05 | 998.16 993.81 | 1008.60 996.36 | 1016.50 997.62 | 1020.06 997.58 | 1025.28 996.84

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

CR 1226 PROFILE SHEET

STA 24+33.81 TO STA 27+75

FILE NAME: i:\EX\PRJ\0000008298\DE

USER: jbrewer
DATE PLOTTED: September 23, 2016

E-SHEET NAME: R037OOPF

MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R38 |

LT STA 228+59 - 4.1 CUYD SAFELOADING
62 LF OF EXIST 18" RCP AND REMOVE 2 EXISTING HEADWALLS

LT STA 227+00 TO STA 239+00
REMOVE 1156 LF OF FENCE

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 227+00-239+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| GUARDRAIL CONSTRUCTION | | | | | |
|---|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT | NOTE |
| MT PKWY | LT 227+00 to 239+00 | 1172.31 | SINGLE | - | 7' POSTS |
| CR-1226 | LT 29+49.8 TO 31+50.6 | 100 | SINGLE | (2) TYPE 7 | |
| CR-1226 | LT 34+73.3 TO 37+49.3 | 175 | SINGLE | (2) TYPE 7 | |
| CR-1226 | LT 39+49.0 TO 40+50 | 51.93 | SINGLE | (1) TYPE 7 | |

| ENTRANCE CONSTRUCTION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| STATION | DETECTABLE WARNINGS (SF) | WIDTH | ENTRANCE PIPE | | | QUANTITY | | |
| | | | 18 | 24 | 30 | CONC (SY) | ASPH (SY) | DGA (SY) |
| 35+65 RT | | 12' | 35 | | | | 177 | 190 |

*SEE PAVING SUMMARY FOR ENTRANCE PAVEMENT QUANTITIES

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 232+10.54 to 236+58.12 | 437.61 |

MOUNTAIN PARKWAY
PI STA 237+19.76
Δ = 66°03'26" LT
Ts = 1622.48' 1661.42'
Ls = 200.00' 280.00'
Lc = 2457.83'
θs = 2°26'55" 3°25'41"
LT = 133.35' 186.70'
ST = 66.68' 93.37'
R = 2340.00'
E = 452.29'
e = 116.68'
Runoff = 280'
Runout = 84'

W.D. JONES ESTATE
C/O EARL REED

WALTON JONES & EARL REED

EXIST. R/W

KY 3172 (KY 191)

230+00

235+00

STATE ROAD FORK

RONALD PRATER
MARY F. PRATER
(HUSBAND & WIFE)

P 24

FENCE CROSSING TYPE B

PERM DRAINAGE ESMT

EXIST DRAIN ESMT

R.R. (REX) LACY
C/O RANDALL LACY

P 28

EARL REED
WANDA REED
(HUSBAND & WIFE)

REMOVE AND REPLACE FENCE

Const Limits

PROP. & EXIST. R/W

EXIST. R/W & C.A.

℄ MT PKWY

BERT T. COMBS MOUNTAIN PKWY — KY 402

36" CULV PIPE

REMOVE PIPE

30' TELEPHONE EASEMENT

15" TELEPHONE EASEMENT

TOP OF BERM

℄ CR 1226

SPEC 3' FB DITCH

PROP. R/W

WITNESS POST

JAMES ODELL CAVINS

P 23

H.P. JONES
SALLIE ANN JONES
(HUSBAND & WIFE)
CEMETERY

JONES CEMETERY ROAD

KENNETH LEWIS
MELISSA LEWIS
(HUSBAND & WIFE)

P 26

EARL REED
WANDA REED
(HUSBAND & WIFE)

P 28

RT STA 36+60 (CR 1226)
REMOVE STRUCTURE PARCEL 26 (WELL HOUSE)
PLUG WATER WELL
(MOBILE HOME RELOCATED BY OTHERS)

MATCHLINE STA 227+00

MATCHLINE STA 239+00

MATCHLINE STA 27+75

MATCHLINE STA 40+50

| CR 1226 | CR 1226 |
|---|---|
| PI STA 29+31.53 | PI STA 35+36.45 |
| Δ = 14°12'04" LT | Δ = 14°22'54" LT |
| T = 170.53' | T = 234.54' |
| L = 339.31' | L = 466.62' |
| R = 1369.00' | R = 1859.00' |
| E = 10.58' | E = 14.74' |
| e = RC | e = RC |
| Runoff = N/A | Runoff = N/A |
| Runout = N/A | Runout = N/A |

| DITCH CONSTRUCTION RT ℄ CR 1226 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 27+75 - 29+80 | TYP 3' FB | ROCK CUT | | |
| 29+80 - 30+30 | SPEC 3' FB | ECB | 1.5' | 85 SQYD |
| 30+30 - 31+10 | SPEC 3' FB | CLASS IV | 2.5' | 148 CUYD |
| 31+10 - 35+20 | TYP 3' FB | ROCK CUT | | |
| 35+20 - 36+36 | SPEC 3' FB | CLASS IV | 1.5' | 48 CUYD |
| 36+85 - 37+10 | TYP 3' FB | ECB | 1.5' | 41 SQYD |
| 37+10 - 40+50 | TYP 3' FB | ROCK CUT | | |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 227+00 TO 239+00 | WOVEN WIRE FENCE TY 1 | 1156 |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| CR 1226 27+75 TO CR 1226 40+50 | WOVEN WIRE FENCE TY 1 | 1278 |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 227+00-228+75 | TYP 3' FB | ROCK CUT | | |
| 228+75-230+25 | TYP V | ECB | 1.5' | 241 SQYD |
| 230+25-234+25 | TYP 3' FB | ROCK CUT | | |
| 234+25-235+75 | TYP V | ECB | 1.5' | 340 SQYD |
| 235+75-238+25 | TYP 3' FB | ROCK CUT | | |
| 238+25-239+00 | TYP V | ECB | 1.5' | 170 SQYD |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

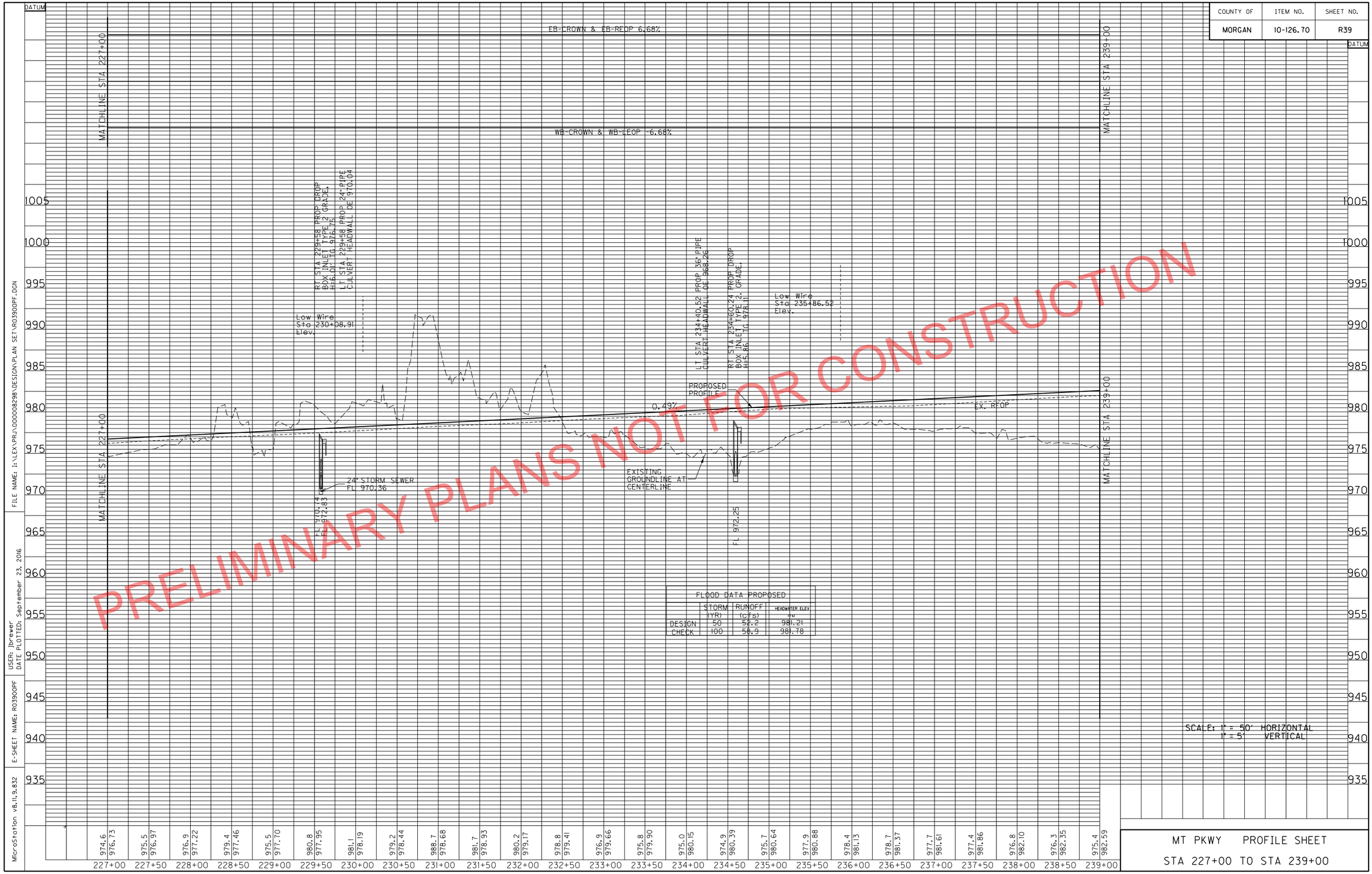
SCALE: 1" = 50'

0' 50' 100' 200'

MT PKWY PLAN SHEET
STA 227+00 TO STA 239+00
CR 1226 STA 27+75 TO STA 40+50

MicroStation v8.11.9.832 | E-SHEET NAME: RO3800PL | USER: BCOOMES DATE PLOTTED: October 27, 2016 | FILE NAME: I:\EXPRJ\0000008298\10-126.70\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\RO3800PL.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R39 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 52.2 | 981.21 |
| CHECK | 100 | 58.9 | 981.78 |

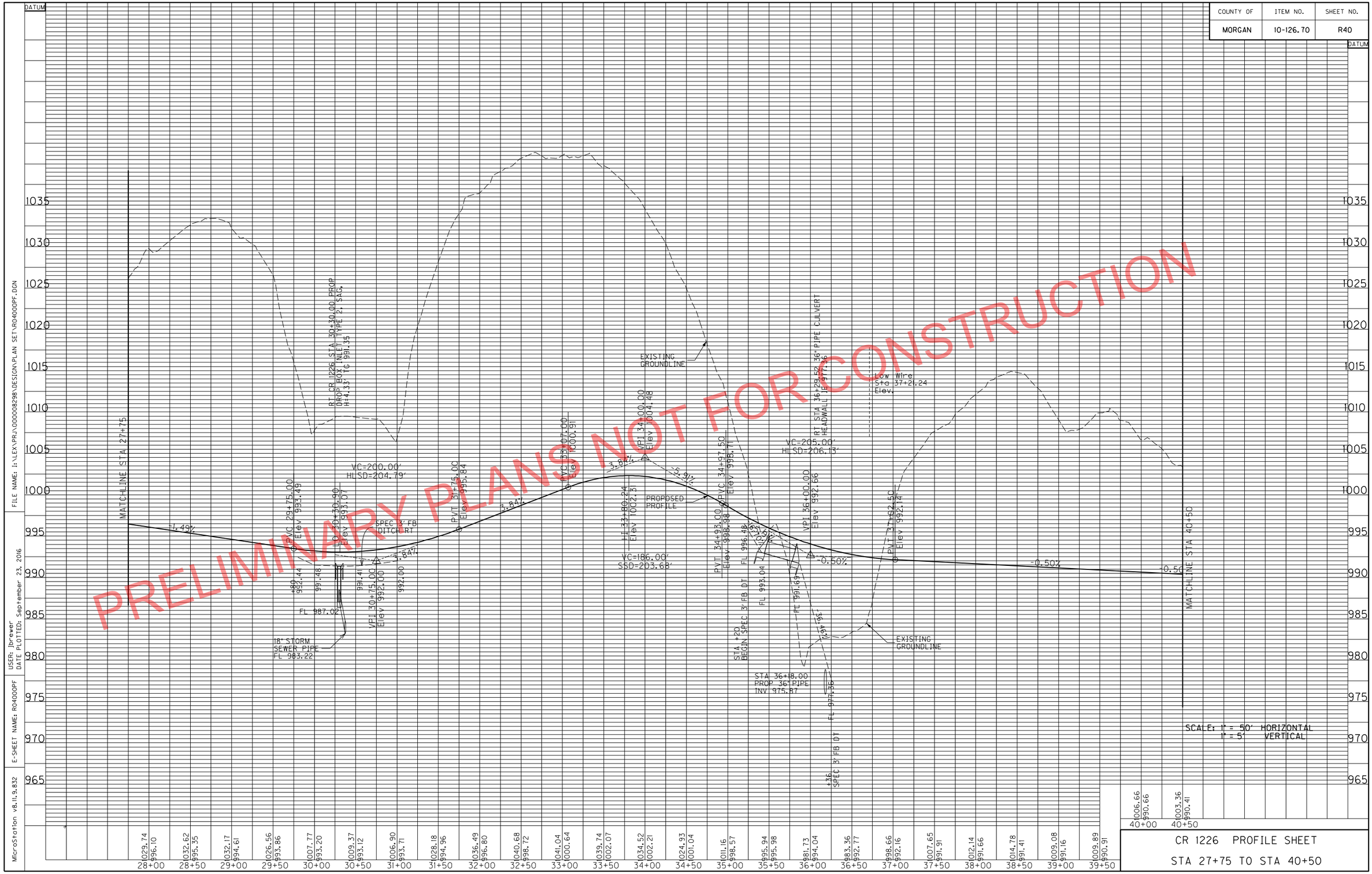
SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

MT PKWY PROFILE SHEET

STA 227+00 TO STA 239+00

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R03900PF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R03900PF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R40 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

CR 1226 PROFILE SHEET

STA 27+75 TO STA 40+50

FILE NAME: I:\EX\PRJ\0000008298\DESIGN\PLAN SET\R04000PF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R04000PF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R41 |

| GUARDRAIL CONSTRUCTION | | | | | |
|---|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT | NOTE |
| MT PKWY | LT 239+00 to 250+00 | 1077.09 | SINGLE | - | 7' POSTS |
| CR-1226 | LT 40+50 TO 43+49.3 | 248.07 | SINGLE | IN TYPE 7 | |

STA 239+24 - 7.7 CUYD SAFELOADING
117 LF OF EXIST 18" RCP AND REMOVE 4 EXISTING HEADWALLS

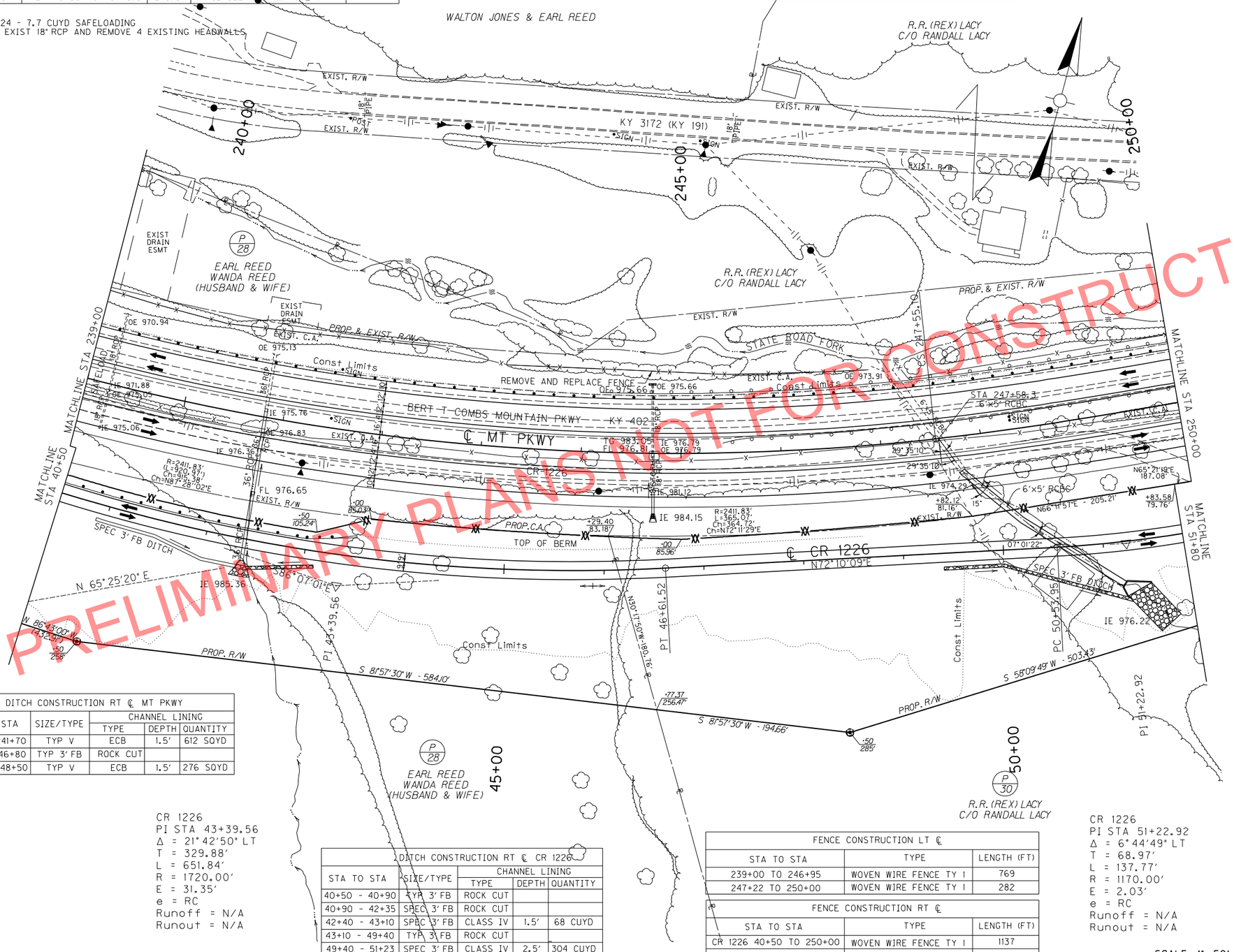
| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 239+00-250+00 | TYP V | ECB | 1.5' | 2491 SQYD |

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 244+16.84 to 250+00 | 570.93 |
| MT PKWY | LT 245+41.60 to 250+00 | 456.64 |

LT STA 239+00 TO STA 242+41
REMOVE 328 LF OF FENCE

LT STA 243+20 TO STA 246+94
REMOVE 362 LF OF FENCE

MOUNTAIN PARKWAY
PI STA 237+19.76
Δ = 66°03'26" LT
$T_S$ = 1622.48' 1661.42'
$L_S$ = 200.00' 280.00'
$L_C$ = 2457.83'
$\theta_S$ = 2°26'55" 3°25'41"
LT = 133.35' 186.70'
ST = 66.68' 93.37'
R = 2340.00'
E = 452.29'
e = 6.68%
Runoff = 280'
Runout = 84'




| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 239+00-241+70 | TYP V | ECB | 1.5' | 612 SQYD |
| 241+70-246+80 | TYP 3' FB | ROCK CUT | | |
| 246+80-248+50 | TYP V | ECB | 1.5' | 276 SQYD |

CR 1226
PI STA 43+39.56
Δ = 21°42'50" LT
T = 329.88'
L = 651.84'
R = 1720.00'
E = 31.35'
e = RC
Runoff = N/A
Runout = N/A

| DITCH CONSTRUCTION RT ℄ CR 1226 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 40+50 - 40+90 | TYP 3' FB | ROCK CUT | | |
| 40+90 - 42+35 | SPEC 3' FB | ROCK CUT | | |
| 42+40 - 43+10 | SPEC 3' FB | CLASS IV | 1.5' | 68 CUYD |
| 43+10 - 49+40 | TYP 3' FB | ROCK CUT | | |
| 49+40 - 51+23 | SPEC 3' FB | CLASS IV | 2.5' | 304 CUYD |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 239+00 TO 246+95 | WOVEN WIRE FENCE TY 1 | 769 |
| 247+22 TO 250+00 | WOVEN WIRE FENCE TY 1 | 282 |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| CR 1226 40+50 TO 250+00 | WOVEN WIRE FENCE TY 1 | 1137 |
| | | |

CR 1226
PI STA 51+22.92
Δ = 6°44'49" LT
T = 68.97'
L = 137.77'
R = 1170.00'
E = 2.03'
e = RC
Runoff = N/A
Runout = N/A

SCALE: 1"= 50'

0' 50' 100' 200'

MT PKWY PLAN SHEET
STA 239+00 TO STA 250+00
CR 1226 STA 40+50 TO STA 51+80

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0410OPL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0410OPL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R42 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

DATUM

MATCHLINE STA 239+00

EB-CROWN & EB-REOP -6.68%

WB-CROWN & WB-LEOP -6.68%

STA 240+61.8 PROP 36" RCP EXTENSION @ 0°43'20" SKEW

RT STA 244+71.68 PROP DROP BOX INLET TYPE 5B, GRADE, H=6.24' TO 983.05

RT STA 244+72.31 PROP 8" S&F BOX INLET OUTLET TO 982.45

2' BERM DOWNSTREAM FOR FLOW CAPTURE

PVC 244+09.70 Elev 985.57

EX. REOP

EXISTING GROUNDLINE AT CENTERLINE

Sta 239+23.98 18" RCP Inv 971.82

INV 975.82

RT (e) INL 976.81

Sta 244+71.66 18" RCP Inv 976.78

| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 24.8 | 978.14 |
| CHECK | 100 | 27.9 | 978.32 |

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 27.3 | 983.20 |
| CHECK | 100 | 30.7 | 983.40 |

| FLOOD DATA | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 1.91 | 984.67 |
| CHECK | 100 | 2.11 | 984.70 |

247+55.10 -6.68%

249+51.10 2.00%

249+51.10 2.00%

247+55.10 -6.68%

MATCHLINE STA 250+00

WB-LEOP

WB-CROWN

WB-GP

EB-GP

EB-CROWN

EB-REOP

SUPERELEVATION DEFINITION

VC=500.00'
HLSD=939.51'

Low Wire Sta 247+45.11 Elev.

PROPOSED PROFILE

STA 247+58.3 PROP 6'x5' PCCBC EXTENSION @ 0° SKEW WITH 10 6'x5' RCBC HEADWALL

STA 248+00 BEGIN FULL DEPTH WESTBOUND LANES, MEDIAN AND EX WESTBOUND PVMT

0.49%

Sta 247+58.36 6'x5' RCBC Inv 974.16

VPI 247+95.70 Elev 986.19

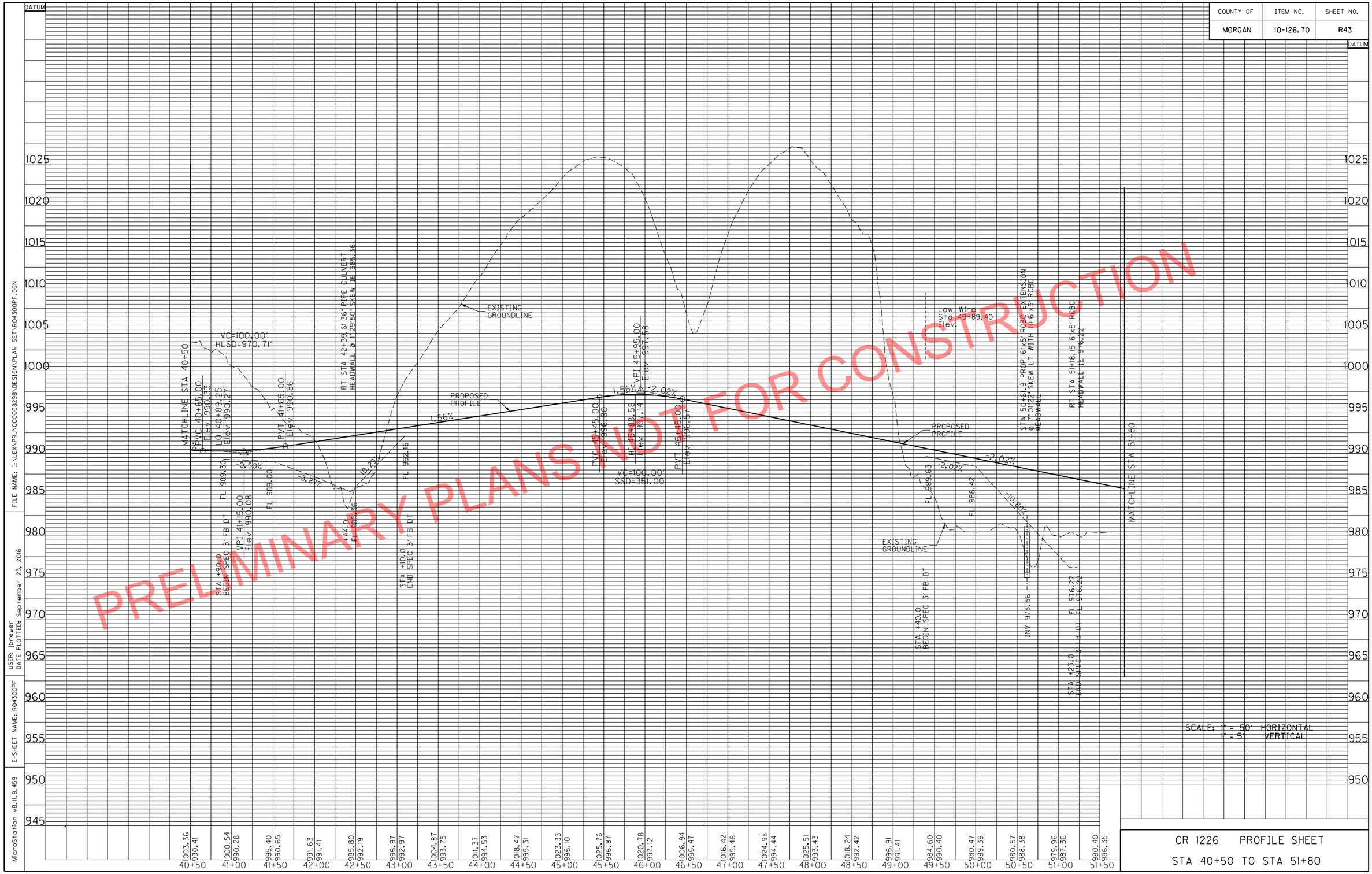
| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 238.2 | 980.64 |
| CHECK | 100 | 258.5 | 981.11 |

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 239.9 | 981.20 |
| CHECK | 100 | 260.1 | 981.67 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| | | |

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R43 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

CR 1226 PROFILE SHEET

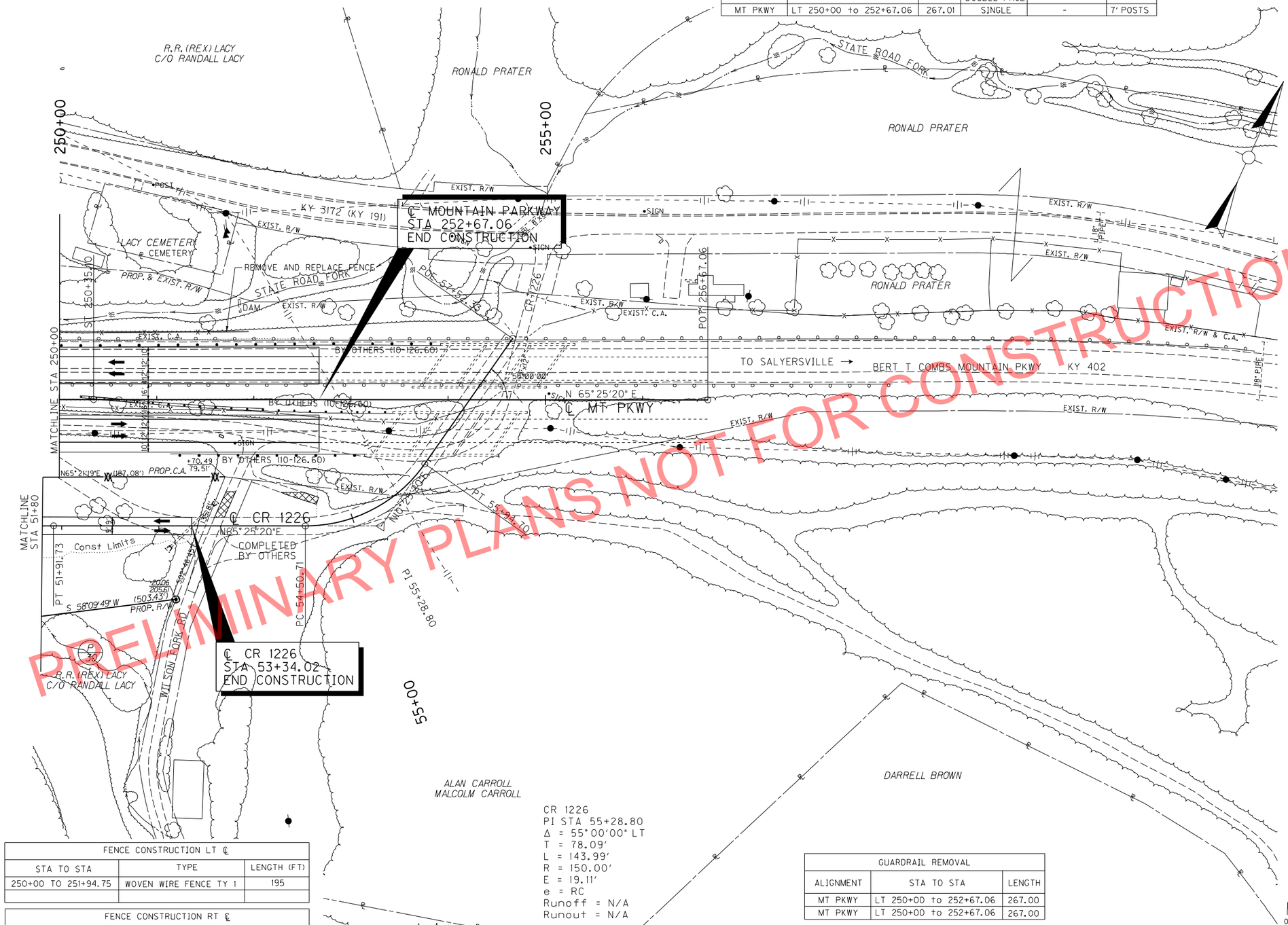
STA 40+50 TO STA 51+80

FILE NAME: I:\EX\PRJ\0000008298\DE
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R04300PF
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R44 |

LT STA 250+40 TO STA 251+95
REMOVE 155 LF OF FENCE

| GUARDRAIL CONSTRUCTION | | | | | |
|---|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT | NOTE |
| MT PKWY | LT 250+00 to 252+67.06 | 267.01 | SINGLE | - | 7' POSTS |




| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 250+00 TO 251+94.75 | WOVEN WIRE FENCE TY I | 195 |
| | | |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| 250+00 TO 251+70.49 | WOVEN WIRE FENCE TY I | 171 |
| | | |

CR 1226
PI STA 55+28.80
Δ = 55°00'00" LT
T = 78.09'
L = 143.99'
R = 150.00'
E = 19.11'
e = RC
Runoff = N/A
Runout = N/A

| GUARDRAIL REMOVAL | | |
|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH |
| MT PKWY | LT 250+00 to 252+67.06 | 267.00 |
| MT PKWY | LT 250+00 to 252+67.06 | 267.00 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 50'

MT PKWY PLAN SHEET
STA 250+00 TO STA 252+67.06
CR 1226 STA 51+80 TO STA 53+34.02

MicroStation v8.11.9.714
E-SHEET NAME: R0440PL
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R0440PL.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R45 |

DATUM

MATCHLINE STA 250+00

EB-CROWN 2.00%

WB-LEOP -2.00%

25+19.10
2.00%

WB-CROWN 2.00%

EB-CROWN 2.00%

WB-LEOP -2.00%

EB-REOP -2.00%

255+12.57
2.00%

255+12.57
-2.00%

℄ MOUNTAIN PARKWAY
STA 252+67.06
END CONSTRUCTION

Low Wire
Sta 252+89.10
Elev.

VPI 255+17.11
Elev 1010.75

-1.03%

3.16%

EX. REOP

PROPOSED PROFILE

PVT 250+08.70
Elev 994.70

PVC 250+17.11
Elev 994.93

EXISTING GROUNDLINE AT CENTERLINE

CR
1226

VC=1000.00'
SSD=717.24'

HI 257+17.06
Elev 1006.86

PVT 260+17.11
Elev 1005.59

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| | | |

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R46 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

℄ CR 1226
STA 53+34.02
END CONSTRUCTION

Low Wire
Sta 55+53.68
Elev.

EXISTING
GROUNDLINE

VC=150.00'
HLSD=501.06'

PVC 52+50.32
Elev 984.32

VPI 53+25.32
Elev 982.81

PVT 53+90.37
Elev 983.41

PVT 54+00.32
Elev 983.18

VPI 55+50.00
Elev 983.94

MATCHLINE STA 51+80

PROPOSED
PROFILE

-2.02%

0.50%

0.50%

BY OTHERS

18" RIDGE
KEY

| 52+00 | 52+50 | 53+00 | 53+50 | 54+00 | 54+50 | 55+00 | 55+50 | 56+00 | 56+50 | 57+00 |
|---|---|---|---|---|---|---|---|---|---|---|
| 980.40 | 981.50 | 981.48 | 983.37 | 987.00 | 988.62 | 990.85 | 993.35 | 983.93 | 984.83 | 000.86 |
| 985.34 | 984.33 | 983.53 | 983.14 | 983.18 | 983.44 | 983.69 | 983.94 | | | |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

CR 1226 PROFILE SHEET
STA 51+80 TO STA 53+41.09

FILE NAME: I:\EX\PRJ\0000008298\DESIGN\PLAN SET\R046OOPF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R046OOPF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R47 |

| GUARDRAIL CONSTRUCTION | | | | |
|---|---|---|---|---|
| ALIGNMENT | STA TO STA | LENGTH | SINGLE/ DOUBLE FACE | END TREATMENT |
| KY 205 | LT 335+47.5 TO 338+42.96 | 225 | SINGLE | (1)TY 1, (1) BR. END CONN. TY A |
| KY 205 | RT 336+40.00 TO 338+51.7 | 237.5 | SINGLE | (1) TERM. SEC. 1, (1) BR. END CONN. TY A |
| KY 205 | LT 339+49.8 TO 339+75 | 13.6 | SINGLE | (1) BR. END CONN. TY A |
| KY 205 | RT 339+68.9 TO 339+75 | | SINGLE | (1) BR. END CONN. TY A |

LT STA 324+90 TO STA 333+65
REMOVE 1587 SY OF PAVEMENT

STA 33+60 - 8.6 CUYD SAFELOADING
74 LF OF EXIST 24" PIPE & REMOVE TWO EXISTING HEADWALLS




| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| KY 205 337+60 TO KY 205 338+39 | WOVEN WIRE FENCE TY I | 179 |
| KY 205 339+46 TO KY 205 339+75 | WOVEN WIRE FENCE TY I | 49 |

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| KY 205 336+66 TO KY 205 338+70 | WOVEN WIRE FENCE TY I | 281 |

| DITCH CONSTRUCTION RT ℄ KY 205 | | | | | |
|---|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | | |
| | | TYPE | DEPTH | QUANTITY | |
| 329+50-332+50 | TY V | ECB | 1.5' | 387 SQYD | |
| 332+50-334+44 | SPEC V | TRM TYI | 1.5' | 272 SQYD | |
| 335+25-336+08 | SPEC V | ECB | 1.5' | 108 SQYD | |
| 337+27-338+50 | SPEC V | ECB | 2.5' | 447 SQYD | |
| 338+50-339+07 | SPEC 3' FB | CLASS IV | 1.5' | 50 CUYD | |

| ENTRANCE CONSTRUCTION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| STATION | DETECTABLE WARNINGS (SF) | WIDTH | ENTRANCE PIPE | | | QUANTITY | | |
| | | | 18 | 24 | 30 | CONC (SY) | ASPH (SY) | DGA (SY) |
| 334+94 RT | | 12' | | 87 | | | 195 | 200 |
| 336+29 RT | | 22' | | 127 | | | 1085 | 1140 |
| | | | | | | | | |
| | | | | | | | | |

•SEE PAVING SUMMARY FOR ENTRANCE PAVEMENT QUANTITIES

ⓐ N55°14'26"E - 22.03'
ⓑ N17°48'37"E - 28.32'
ⓒ N17°48'37"E - 88.74'
ⓔ N81°18'02"W - 61.34'
ⓕ S46°38'18"W - 55.55'
ⓖ N59°43'35"E - 48.93'
ⓗ S4°21'17"W - 14.15'
ⓘ S22°32'18"E - 37.68'
ⓙ S22°32'18"E - 10.81'
ⓚ N11°29'31"E - 71.33'
ⓛ S48°10'56"W - 44.58'
ⓜ S48°10'56"W - 140.95'

SCALE: 1"= 50'

KY 205 PLAN SHEET
STA 329+50 TO STA 339+75

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\PLAN SET\R0470OPL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0470OPL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R48 |

DATUM

℄ KY 205
STA 329+50.00
BEGIN CONSTRUCTION

329+50.00 8.00%
332+24.88 8.00%
333+77.88 2.00%
334+55.68 -2.00%
334+81.88 -2.00%
335+39.68 2.00%
336+41.68 6.00%

FEOP 8.00%
REOP -8.00%
REOP
LEOP
REOP 6.00%
LEOP -6.00%

MATCHLINE STA 339+75

Low Wire
Sta 332+47.01
Elev. 972.48

Low Wire
Sta 331+56.36
Elev. 968.82

Low Wire
Sta 335+26.34
Elev.

Low Wire
Sta 335+33.84
Elev.

PROPOSED PROFILE

EXISTING PAVEMENT (TO BE CONSTRUCTED BY OTHERS)

0.50%
-1.15%
-6.30%
-3.02%
-1.36%
-0.48%
-1.34%
-1.18%

VPI 336+65.88
Elev 958.68

RT STA 336+96.18
TYPE C, 54" VAULT
FRAME & LID TYPE E
CULVERT HEADWALL

PROP MANHOLE
RIM ELEV 957.54'
INVTR 950.0
30" PIPE

PVC 335+15.88
Elev 957.83

24" ENTRANCE PIPE @ 0.50%
SPEC 'V' DT R1

24" ENTRANCE PIPE @ 1.34%

VC=300.00'
SSD=803.11'

Waterline
Sta 336+99.52
Elev.

30" CULVERT PIPE @ 0.71%

EX. 30" FO PIPE

INV 942.50
OE 942.30

PVT 338+15.88
Elev 956.85

STA 339+60.00
BEGIN BRIDGE

STRUCTURE 27083

100 YR WSE 947.11

MATCHLINE STA 339+75
SEE SHEET R16

STATE ROAD FORK

943.50
942.90
940.50

MILLING
55.87 (4)

ASPH. CONC. SURFACE (3)
ASPH. CONC. BASE
ASPH. CONC. BASE
ASPH. CONC. BASE

STA 331+10.14

(1) MINIMUM COMPACTED THICKNESS
(2) ASPHALT MIXTURE FOR LEVELING AND WEDGING.
(3) ASPHALT SURFACE THICKNESS (1.25")
(4) MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH. ASPHALT SURFACE TO FOLLOW PCL

**TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)**

EXISTING FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | | |
| CHECK | 100 | 1693 | 946.57 |

PROPOSED FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | | |
| CHECK | 100 | 1687 | 947.11 |

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

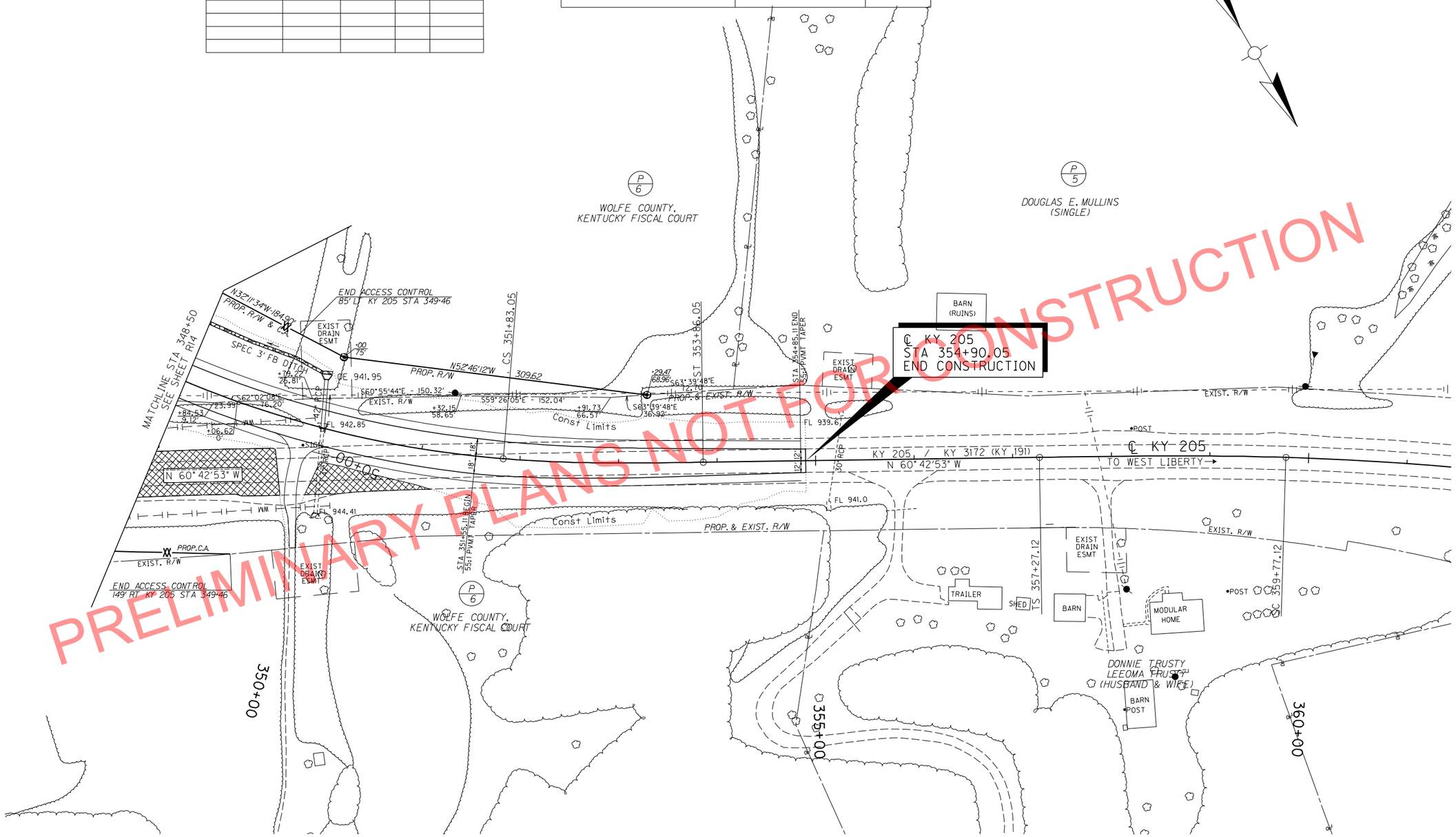
| | | |

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R49 |

| DITCH CONSTRUCTION LT ℄ KY 205 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 348+50-349+92 | SPEC 3' FB | CLASS IV | 3.5' | 425 CUYD |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| FENCE CONSTRUCTION LT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| KY 205 348+50 TO KY 205 349+46 | WOVEN WIRE FENCE TY 1 | 88 |
| | | |

RT STA 348+30 TO STA 351+15 REMOVE
919 SOYD OF EXIST PAVEMENT




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| FENCE CONSTRUCTION RT ℄ | | |
|---|---|---|
| STA TO STA | TYPE | LENGTH (FT) |
| KY 205 348+50 TO KY 205 349+46 | WOVEN WIRE FENCE TY 1 | 118 |
| | | |

| ENTRANCE CONSTRUCTION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| STATION | DETECTABLE WARNINGS (SF) | WIDTH | ENTRANCE PIPE | | | QUANTITY | | |
| | | | | | | CONC (SY) | ASPH (SY) | DGA (SY) |
| 349+80 RT | | 12' | | | | | 123 | 128 |
| | | | | | | | | |

•SEE PAVING SUMMARY FOR ENTRANCE PAVEMENT QUANTITIES

0' 50' 100' 200'

SCALE: 1"= 50'

KY 205 PLAN SHEET
STA 348+50 TO STA 354+90.05

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R04900PL.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R04900PL
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R50 |

DATUM

MATCHLINE STA 348+50

REOP 6.00%

LEOP -6.00%

35+83.05
6.00%

353+18.38
2.00%

353+34.05
2.00%

35+83.05
-6.00%

364+53.72
2.00%

REOP -2.00%

LEOP -2.00%

985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910

Low Wire
Sta 348+85.70
Elev. 965.52

STA 349+96.9 PROP 42" RCP
EXTENSION @ 0° SKEW
LT STA 349+87.96 PROP 42" PIPE CULVERT
HEADWALL @ 10.24' LT SKEW OE 941.95
VPI 350+16.07
Elev 951.41

MATCHLINE STA 348+50
SEE SHEET R16

PVC 348+66.07
Elev. 951.41

Ex WM
Sta 349+69.35
Elev.

Sta 349+96.99
42" RCP
OE 942.88

941.95

0.50% SPEC 3' FB 0% LT

PVT 351+56.07
Elev 950.72

VC=300.00'
SSD=2489.1'

0.00%

-0.46%

PROPOSED PROFILE

EXISTING GROUNDLINE

Sta 355+19.62
30" RCP
Inv 940.33

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV ft |
|---|---|---|---|
| DESIGN | 25 | 66.9 | 948.66 |
| CHECK | 100 | 83.7 | 949.71 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV ft |
|---|---|---|---|
| DESIGN | 25 | 66.9 | 948.66 |
| CHECK | 100 | 83.7 | 949.71 |

LIMITS OF MILLING
243'

℄ KY 205
STA 354+90.05
END CONSTRUCTION

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 943.7 | 944.0 | 945.4 | 947.4 | 949.8 | 950.51 | 950.21 | 950.15 | 950.26 | 949.92 | 949.68 | 949.37 | 949.35 | 948.93 | 948.61 | 948.57 | 948.54 | 948.38 |
| 951.41 | 951.40 | 951.36 | 951.27 | 951.15 | 950.99 | 950.79 | 950.56 | 950.33 | 950.10 | 949.87 | 949.64 | 949.41 | 949.18 | 948.95 | 948.72 | 948.49 | 948.25 |

348+50 349+00 349+50 350+00 350+50 351+00 351+50 352+00 352+50 353+00 353+50 354+00 354+50 355+00 355+50 356+00 356+50 357+00

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

KY 205 PROFILE SHEET

STA 348+50 TO STA 354+90.05

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R05000PF.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R05000PF
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/MORGAN | 10-126.70 | R51 |

# RIGHT OF WAY SUMMARY

| PARCEL NO. | OWNER(S) | TOTAL AREA OF TRACT | | PERMANENT R/W ACQUIRED | | EASEMENTS | | AREA SEVERED | | | | EXCESS PURCHASED | | PORTION REMAINING | | SEWER SYSTEM TYPE | SEWER SYSTEM AFFECTED BY PROJECT | | BUILDINGS ACQUIRED NUMBER | | | | SOURCE OF TITLE | REMARKS* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | PERMANENT | TEMPORARY | LEFT | | RIGHT | | | | | | | YES | NO | C | R | F | S | | |
| | | ACRES | SQ. FT. | ACRES | SQ. FT. | SQ. FT. | SQ. FT. | ACRES | SQ. FT. | ACRES | SQ. FT. | ACRES | SQ. FT. | ACRES | SQ. FT. | | | | | | | | | |
| 5 | DOUGLAS E. MULLINS (SINGLE) | 130 | | 1.232 | | | | | | | | | | 128.768 | | | | X | | | | | DB 77 PG 502 | |
| 6 | WOLFE COUNTY, KENTUCKY FISCAL COURT | 242.20 | | 27.252 | | | 407,569 | | | | | | | 214.948 | | | | X | | | | | DB 131 PG 185 | SOUTH CENTRAL BELL EASEMENT |
| 7 | DOUGLAS E. MULLINS | 9 | | 1.00 | | | 22,830 | | | | | | | 8.000 | | | | X | | | 1 | | DB 93 PG 126<br>DB 96 PG 498 | EAST KY RURAL ELECTRIC COOP EASEMENT |
| 9 | DOUGLAS E. MULLINS | 72 | | 7.616 | | | 1,860 | | | | | | | 64.384 | | 1 | | X | | | 1 | | DB 74 PG 253 | SOUTH CENTRAL BELL EASEMENT<br>DB 89 PG 625 |
| 16 | JOHN PAUL PRATER 14/24 INT<br>JAMES F. PRATER 10/24 INT | 67 | | 8.401 | | | 690,838 | | | | | | | 58.599 | | | | X | | | | | DB 137 PG 90 | SOUTH CENTRAL BELL EASEMENT<br>DB 159 PG 345 |
| 17 | JAMES ROBERT STEPHENS (SINGLE) | 7 | | | | 5,176 | 11,023 | | | | | | | 7.000 | | | | X | | | | | DB 205 PG 211 | |
| 18 | STACY FRISBY, KEVIN PRATER, DENENNA BOWMAN AND VICKI WILEY | 365.91 | | | | 3,310 | | | | | | | | 365.910 | | | | X | | | | | DB 213 PG 701 | |
| 19 | JOHN PAUL PRATER 14/24 INT<br>JAMES F. PRATER 10/24 INT | 35 | | 7.905 | | | | | | | | | | 27.095 | | | | X | | | | | | PVA HAS SAME OWNER AS P-16, SOUTH CENTRAL BELL EASEMENT |
| 20 | JOHN PAUL PRATER 14/24 INT<br>JAMES F. PRATER 10/24 INT | 1.194 | | 1.194 | | | | | | | | | | 0 | | | | X | | | | | | PVA HAS SAME OWNER AS P-16, SOUTH CENTRAL BELL EASEMENT |
| 21 | ASHLEY STAMPER | 17.46 | | 2.193 | | | | | | | | | | 15.267 | | | | X | | | | | DB 195 PG 403 | SOUTH CENTRAL BELL EASEMENT<br>DB 162 PG 569 |
| 22 | LARRY B. BROWN<br>RHONDA G. BROWN (HUSBAND & WIFE) | 29.29 | | 0.845 | | | | | | | | | | 28.445 | | | | X | | | | | DB 202 PG 489 | SOUTH CENTRAL BELL EASEMENT<br>DB 159 PG 349 |
| 23 | JAMES ODELL CAVINS | 50 | | 6.270 | | | | | | | | | | 43.730 | | 1 | X | | | | 1 | | DB 128 PG 237 | SOUTH CENTRAL BELL EASEMENT<br>DB 159 PG 323 |
| 24 | RONALD PRATER<br>MARY F. PRATER (HUSBAND & WIFE) | 18 | | | | 2,499 | | | | | | | | 18 | | | | X | | | | | DB 185 PG 33 | |
| 26 | KENNETH LEWIS<br>MELISSA LEWIS (HUSBAND & WIFE) | 25 | | 1.209 | | | | | | | | | | 23.791 | | 1 | X | | | | 1 | 2 | DB 210 PG 49 | SOUTH CENTRAL BELL EASEMENT<br>DB 159 PG 381 |
| 28 | EARL REED<br>WANDA REED (HUSBAND & WIFE) | 50 | | 3.641 | | | | | | | | | | 46.359 | | | | X | | | | | DB 108 PG 657 | SOUTH CENTRAL BELL EASEMENT<br>DB 159 PG 333 |
| 30 | R. R. (REX) LACY<br>C/O RANDALL LACY | 137.7 | | 2.762 | | | | | | | | | | 134.938 | | 1 | X | | | | 1 | | DB 107 PG 822 | DECEASED DB 159 PG 337<br>SOUTH CENTRAL BELL EASEMENT |
| 36 | BEATRICE CHILDERS (SINGLE) | 67.27 | | | 28.432 | | | | | | | | | 66.62 | | 1 | | X | | | | | DB 136 PG 474 TR 2 | |
| 40 | ANNA KENNARD<br>RICHARD KENNARD (WIFE & HUSBAND) | | 20,745 | | 11,624 | | 3,089 | | | | | | 9,121 | | | 1 | X | | | | 1 | 1 | DB 122 PG 67, DB 117 PG 131, DB 101 PG 129 | |
| 43 | KENNETH ADAMS<br>AMANDA ADAMS (WIFE) | 21.93 | | | 5,742 | | 31,683 | | | | | | | 21.80 | | | | | | | | | DB 136 PG 479,<br>DB 139 PG 351 | |
| 44 | AMERICAN ELECTRIC POWER | | 9,750 | | 4,135 | | 1,502 | | | | | | | | 5,615 | | | | | | | | DB 58 PG 550-552 | |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

PARCELS NOT USED: 1-4, 8, 10-15, 25, 27, 29, 31-35, 37-39, 41&42.

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

TYPE SEWER SYSTEM
1. PRIVATE - INDIVIDUAL
2. PRIVATE - MULTI PARTY
3. PUBLIC
4. NONE
5. NOT APPLICABLE

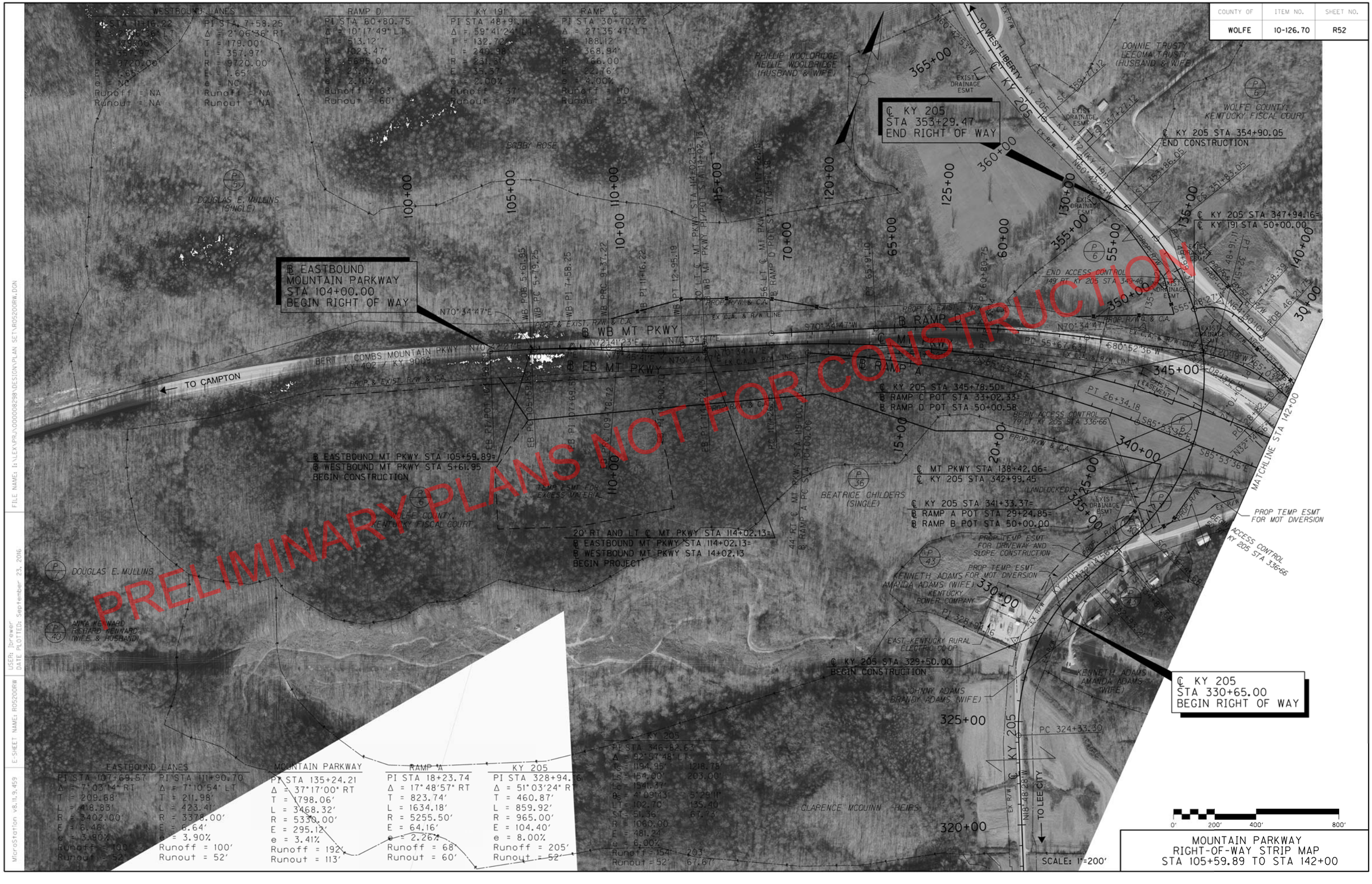
BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

*INCLUDES HAZARDOUS WASTE (UST - UNDERGROUND STORAGE TANKS)

**RIGHT OF WAY SUMMARY SHEET**

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\ROS100RW.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: ROS100RW
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R52 |



| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R53 |




| RAMP B | RAMP C | RAMP C |
|---|---|---|
| PI STA 60+31.14 | PI STA 19+36.00 | PI STA 25+26.62 |
| Δ = 13°11'01" RT | Δ = 6°23'23" LT | Δ = 9°38'52" RT |
| T = 224.62' | T = 194.25' | T = 191.57' |
| L = 447.25' | L = 388.09' | L = 382.23' |
| R = 1943.79' | R = 3480.00' | R = 2270.00' |
| E = 12.94' | E = 5.42' | E = 8.07' |
| e = 4.40% | e = 3.00% | e = 3.00% |
| Runoff = 132' | Runoff = 90' | Runoff = 78' |
| Runout = 60' | Runout = 60' | Runout = 52' |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 200' 400' 800'

SCALE: 1"=200'

MOUNTAIN PARKWAY
RIGHT-OF-WAY STRIP MAP
STA 142+00 TO STA 193+00

MicroStation v8.11.9.832
E-SHEET NAME: ROS300RW
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\ROS300RW.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R54 |

℄ MOUNTAIN PARKWAY
STA 252+67.06
END CONSTRUCTION

℄ MOUNTAIN PARKWAY
STA 251+20.06
END RIGHT-OF-WAY

MATCHLINE STA 193+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| MOUNTAIN PARKWAY | MOUNTAIN PARKWAY | CR 1226 | CR 1226 | CR 1226 | CR 1226 | CR 1226 | CR 1226 |
|---|---|---|---|---|---|---|---|
| PI STA 201+76.91 | PI STA 237+19.76 | PI STA 24+57.16 | PI STA 29+31.53 | PI STA 35+36.45 | PI STA 43+39.56 | PI STA 51+22.92 | PI STA 55+28.80 |
| Δ = 23°36'59" RT | Δ = 66°03'26" LT | Δ = 10°40'11" RT | Δ = 14°12'04" LT | Δ = 14°22'54" LT | Δ = 21°42'50" LT | Δ = 6°44'49" LT | Δ = 55°00'00" LT |
| T = 790.25' | $T_s$ = 1622.48' | T = 23.35' | T = 170.83' | T = 234.54' | T = 329.88' | T = 68.97' | T = 78.09' |
| L = 1558.06' | Ls = 200.00' | L = 46.56' | L = 339.31' | L = 466.62' | L = 651.84' | L = 137.77' | L = 143.99' |
| R = 3780.00' | LT = 133.35' | R = 250.00' | R = 1369.00' | R = 1859.00' | R = 1720.00' | R = 1170.00' | R = 150.00' |
| E = 81.72' | $\theta_s$ = 2°26'55" | E = 1.09' | E = 10.58' | E = 14.74' | E = 31.35' | E = 2.03' | E = 19.11' |
| e = 4.60% | 1661.42' | e = RC | e = RC | e = RC | e = RC | e = RC | e = RC |
| Runoff = 193' | 280.00' | Runoff = N/A | Runoff = N/A | Runoff = N/A | Runoff = N/A | Runoff = N/A | Runoff = N/A |
| Runout = 84' | 3°25'41" | Runout = N/A | Runout = N/A | Runout = N/A | Runout = N/A | Runout = N/A | Runout = N/A |
| | 186.70' | | | | | | |
| | 93.37' | | | | | | |
| | e = 6.68% | | | | | | |
| | Runoff = 280' | | | | | | |
| | Runout = 84' | | | | | | |

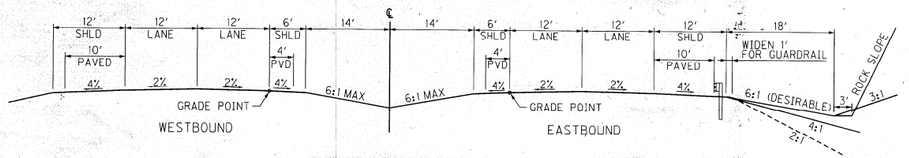
0' 200' 400' 800'

SCALE: 1"=200'

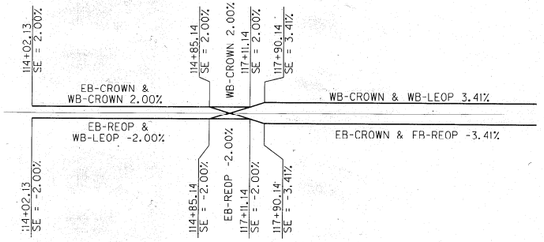
MOUNTAIN PARKWAY
RIGHT-OF-WAY STRIP MAP
STA 193+00 TO STA 256+67.06

MicroStation v8.11.9.832
E-SHEET NAME: R0540ORW
USER: Interonymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\KLEX\PRJ\0000008298\DESIGN\PLAN SET\R0540ORW.DGN

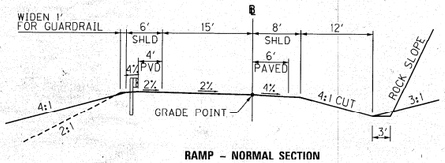
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R55 |



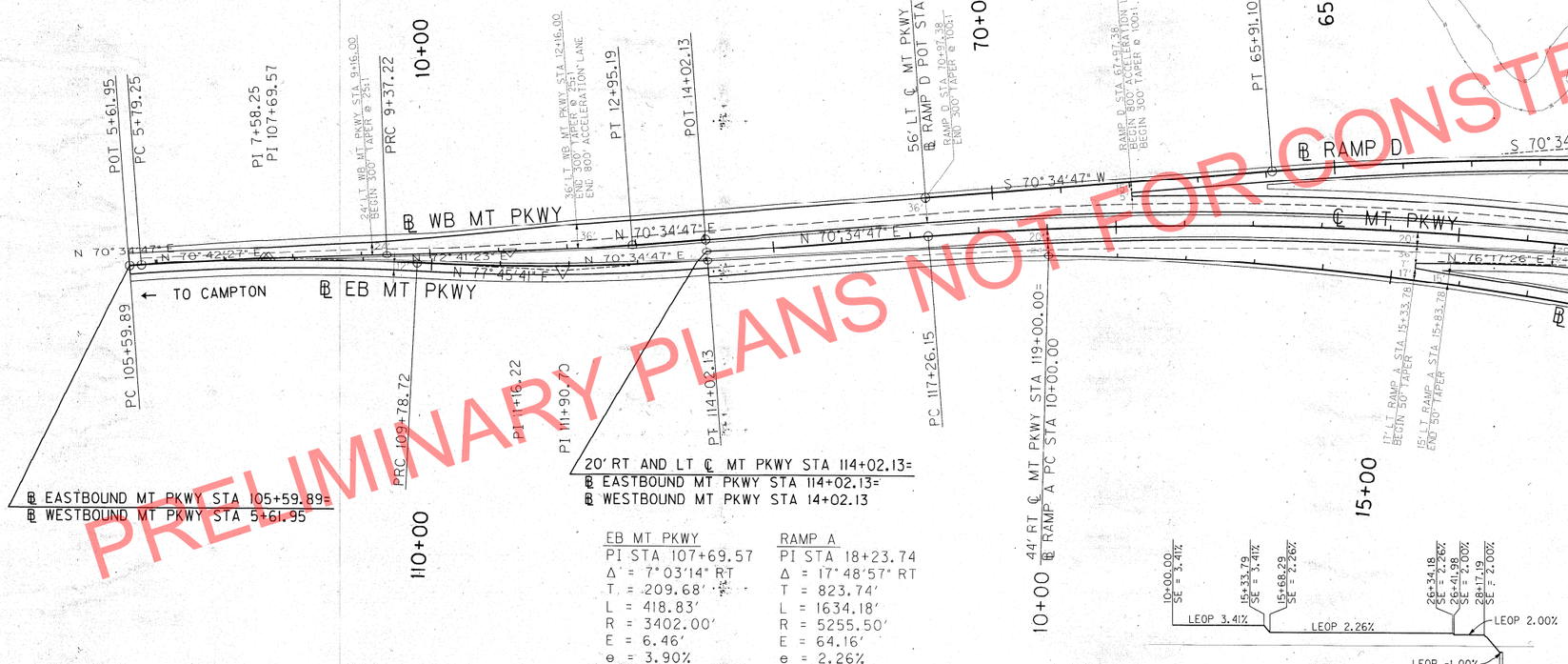

**MOUNTAIN PARKWAY – KY 9009**
**NORMAL CROWN**




**MOUNTAIN PARKWAY**
**SUPERELEVATION DIAGRAM**




**RAMP – NORMAL SECTION**

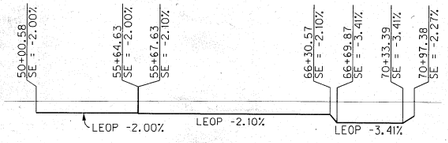



| EB MT PKWY | RAMP A |
|---|---|
| PI STA 107+69.57 | PI STA 18+23.74 |
| Δ = 7°03'14" RT | Δ = 17°48'57" RT |
| T = 209.68' | T = 823.74' |
| L = 418.83' | L = 1634.18' |
| R = 3402.00' | R = 5255.50' |
| E = 6.46' | E = 64.16' |
| e = 3.90% | e = 2.26% |
| Runoff = 100.00' | Runoff = 68.00' |
| Runout = 52.00' | Runout = 60.00' |

| WB MT PKWY | WB MT PKWY | EB MT PKWY | RAMP D |
|---|---|---|---|
| PI STA 7+58.25 | PI STA 11+16.22 | PI STA 111+90.70 | PI STA 60+80.75 |
| Δ = 2°06'36" RT | Δ = 2°06'36" LT | Δ = 7°10'54" LT | Δ = 10°17'49" LT |
| T = 179.00' | T = 179.00' | T = 211.98' | T = 513.12' |
| L = 357.97' | L = 357.97' | L = 423.41' | L = 1023.47' |
| R = 9720.00' | R = 9720.00' | R = 3378.00' | R = 5695.00' |
| E = 1.65' | E = 1.65' | E = 6.64' | E = 23.07' |
| e = NC | e = NC | e = 3.90% | e = 2.10% |
| Runoff = NA | Runoff = NA | Runoff = 100.00' | Runoff = 63.00' |
| Runout = NA | Runout = NA | Runout = 52.00' | Runout = 60.00' FOR SPEC. TRANS. SEE DIAGRAM |




**RAMP A SUPERELEVATION DIAGRAM**




**RAMP D SUPERELEVATION DIAGRAM**

0' 100' 200' 400'

SCALE: 1"=100'

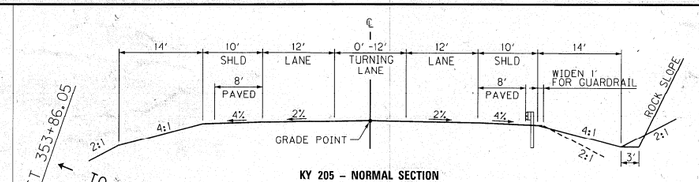
| | |
|---|---|
| P.E./P.M. FOR PRE-CONSTRUCTION | 8/3/16 DATE |
| DIRECTOR OF DESIGN | 8/3/16 DATE |
| DIRECTOR OF TRAFFIC OPERATIONS | 8/23/16 DATE |
| FEDERAL HIGHWAY ADMINISTRATION | DATE |

MOUNTAIN PARKWAY EXIT 57
INTERCHANGE GEOMETRIC DESIGN LAYOUT

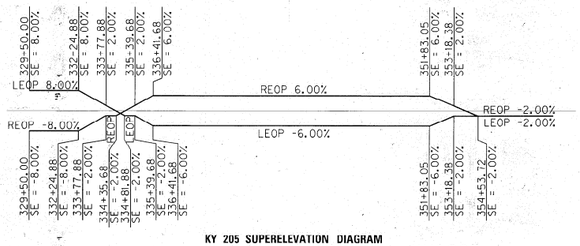
FILE NAME: I:\LEXPW\00008298\DESIGN\PLAN SET\ROADS.DGN
USER: dwright
DATE PLOTTED: March 20, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R56 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION



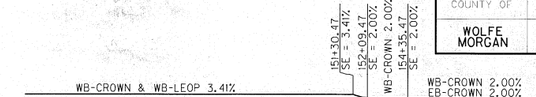

KY 205 – NORMAL SECTION



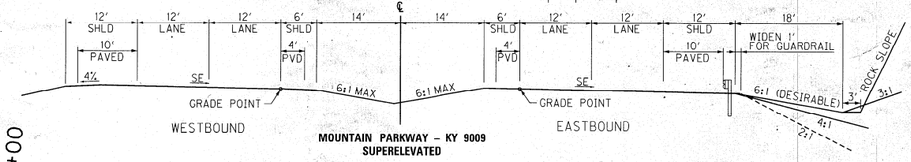

KY 205 SUPERELEVATION DIAGRAM

## MOUNTAIN PARKWAY

PI STA 135+24.21
Δ = 37°17'00" RT
T = 1798.06'
L = 3468.32'
R = 5330.00'
E = 295.12'
e = 3.41%
Runoff = 192.00'
Runout = 113.00'




MOUNTAIN PARKWAY SUPERELEVATION DIAGRAM




MOUNTAIN PARKWAY – KY 9009 SUPERELEVATED

## KY 205

PI STA 346+82.63
Δ = 92°57'48" LT

| | SPIRAL A | SPIRAL B |
|---|---|---|
| $T_S$ = | 1194.95' | 1218.78' |
| $L_S$ = | 154.00' | 203.00' |
| $L_C$ = | 1541.37' | |
| $\theta_S$ = | 4°09'43" | 5°29'11" |
| LT = | 102.70' | 135.40' |
| ST = | 51.36' | 67.73' |
| R = | 1060.00 | |
| E = | 481.24 | |
| e = | 6.00% | |
| Runoff = | 154.00' | 203.00' |
| Runout = | 52.00' | 67.67' |

℄ KY 205 STA 345+78.50=
℄ RAMP C POT STA 33+02.33=
℄ RAMP D POT STA 50+00.58

℄ KY 205 STA 347+94.16=
℄ KY 191 STA 50+00.00

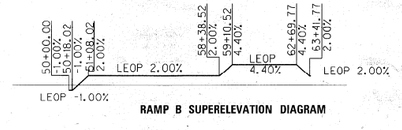
℄ MT PKWY STA 138+42.06=
℄ KY 205 STA 342+99.45

℄ KY 205 STA 341+33.37=
℄ RAMP A POT STA 29+24.85=
℄ RAMP B POT STA 50+00.00

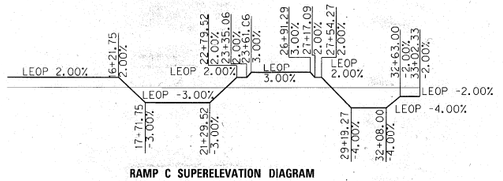
64' RT ℄ MT PKWY STA 152+00.00=
℄ RAMP B POT STA 63+13.77
14' LT RAMP B STA 63+13.77 END 200' TAPER
64' RT MT PKWY STA 152+00 BEGIN 800' TAPER AND ACCELERATION LANE

44' LT ℄ MT PKWY STA 159+94.46
℄ RAMP C POT STA 10+00.00

36' RT MNT PKWY STA 163+00 END 300' TAPER @ 25:1




RAMP B SUPERELEVATION DIAGRAM




RAMP C SUPERELEVATION DIAGRAM

## RAMP B

PI STA 60+91.14
Δ = 13°11'01" RT
T = 224.62'
L = 447.25'
R = 1943.75'
E = 12.94'
e = 4.40%
Runoff = 132.00'
Runout = 60.00'

## RAMP C

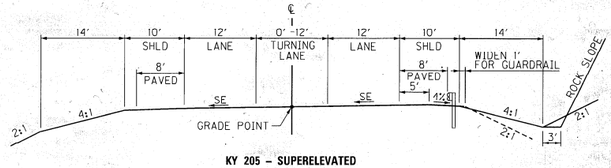
PI STA 19+36.00
Δ = 6°23'23" LT
T = 194.25'
L = 388.09'
R = 3480'
E = 5.42'
e = 3.00%
Runoff = 90.00'
Runout = 60.00'

## RAMP C

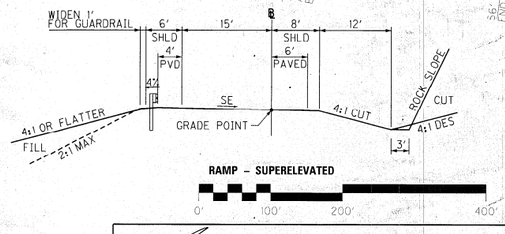
PI STA 25+26.62
Δ = 9°38'52" RT
T = 191.57'
L = 382.23'
R = 2270'
E = 8.07'
e = 3.00%
Runoff = 78.00'
Runout = 52.00'

## RAMP C

PI STA 30+70.72
Δ = 27°35'47" LT
T = 188.12'
L = 368.94'
R = 766.00'
E = 22.76'
e = 4.00%
Runoff = 110.00'
Runout = 55.00'




KY 205 – SUPERELEVATED




RAMP – SUPERELEVATED

0' 100' 200' 400'

| | |
|---|---|
| T.E.B.M. FOR PRE-CONSTRUCTION | 8/3/16 DATE |
| DIRECTOR OF DESIGN | 8/3/16 DATE |
| DIRECTOR OF TRAFFIC OPERATIONS | 8/23/16 DATE |
| FEDERAL HIGHWAY ADMINISTRATION | DATE |

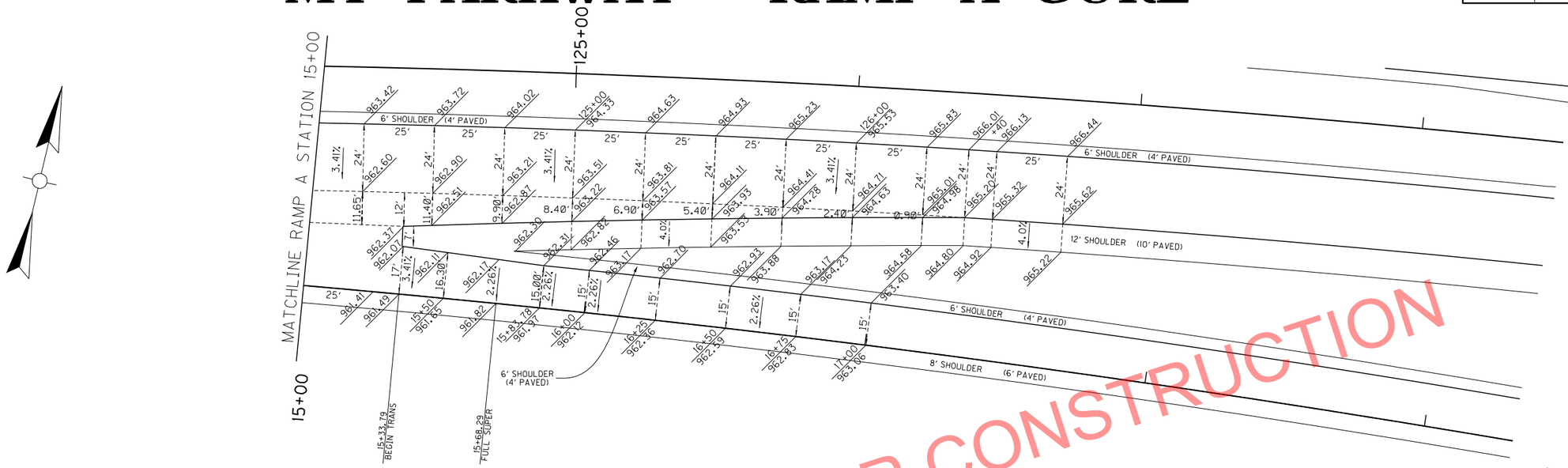
SCALE: 1"=100'

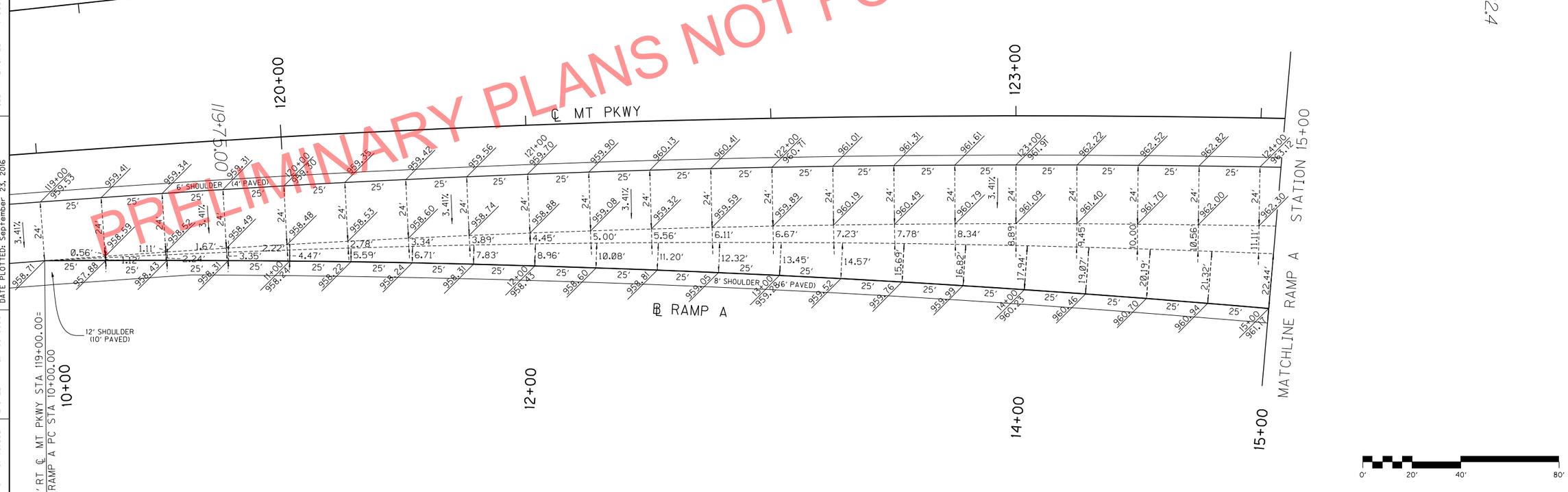
# MOUNTAIN PARKWAY EXIT 57
# INTERCHANGE GEOMETRIC DESIGN LAYOUT

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: Jhieronymus | DATE PLOTTED: January 20, 2015 | FILE NAME: I:\LEX\PRJ\00000898\DESIGN\PLAN SET\ROOTOADS.DGN

# MT PARKWAY – RAMP A GORE

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R57 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"=20'

PAVEMENT DETAIL SHEET
RAMP A GORE

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R057000S.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R057000S
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R58 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

KY 205

RAMP A
28+45.79
100.20'

RAMP A
+48.05
25.23'

RAMP A
+06.90
0.00'

RAMP A
28+06.90
100.00'

R 75'

R 100'

KY 205
341+87.10
18'

KY 205
341+74.97
18.00'

RAMP B
50+73.71
90.00'

342+00

℄ KY 205 STA 341+33.37=
℄ RAMP A POT STA 29+24.85=
℄ RAMP B POT STA 50+00.00

RAMP B
+73.71
15.00'

RAMP B
+52.06
15.00'

RAMP B
51+52.06
149.00'

BEGIN RB STA 51+08.02

KY 205
340+28.90
17.62'

KY 205
340+11.35
22.06'

KY 205 STA 340+51.01
BEGIN SLIP RAMP TRNS
FROM 1.00% RAMP TRNS

+66.61
16.49'

RAMP A

RAMP B

27+00

28+00

50+00

52+00

340+00

SCALE 1" = 20'

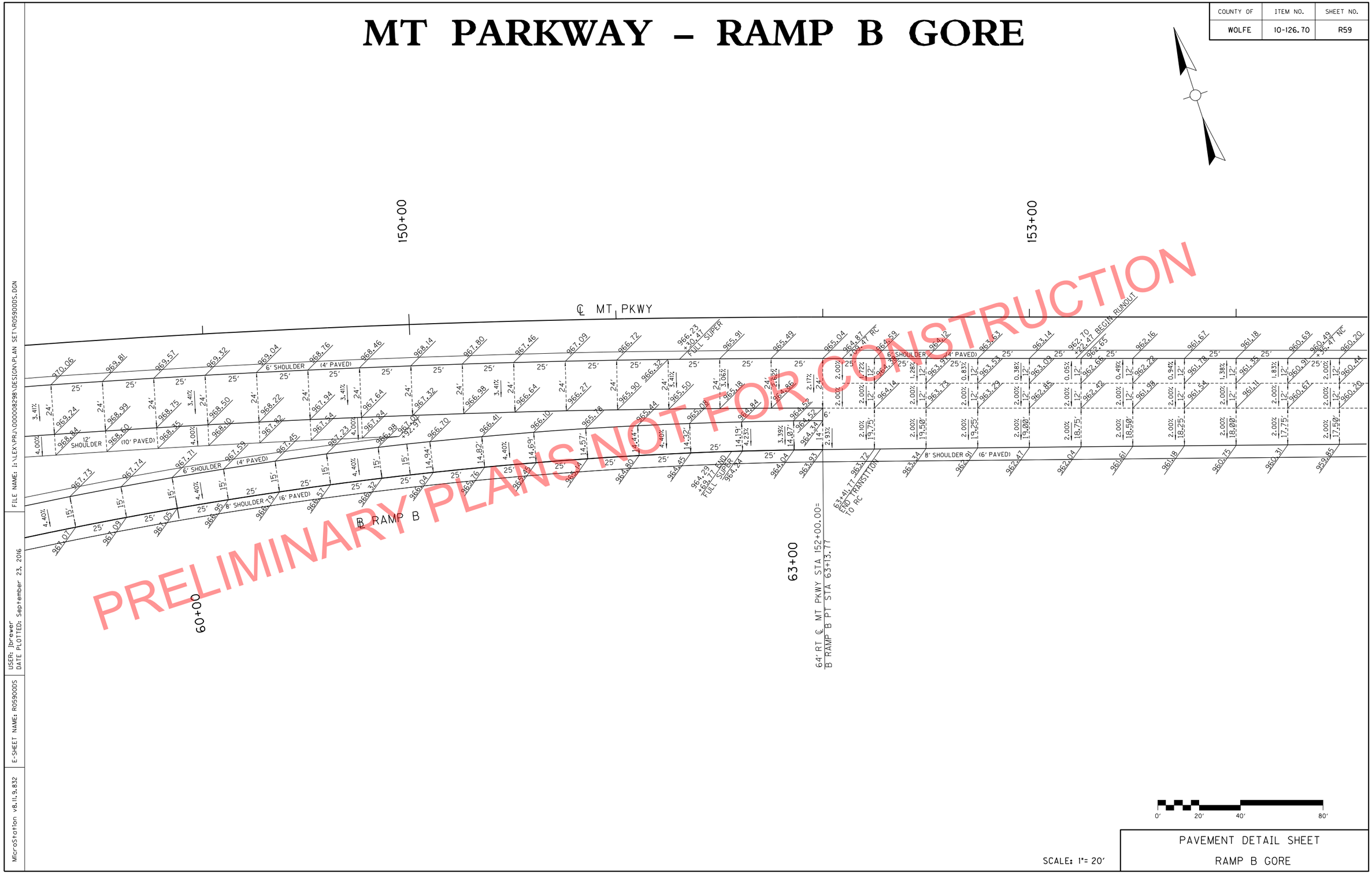
0' 20' 40' 80'

INTERSECTION DETAIL SHEET
KY 205 / RAMP A & RAMP B

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R058000DS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R058000DS
MicroStation v8.11.9.459

# MT PARKWAY – RAMP B GORE

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R59 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 20'

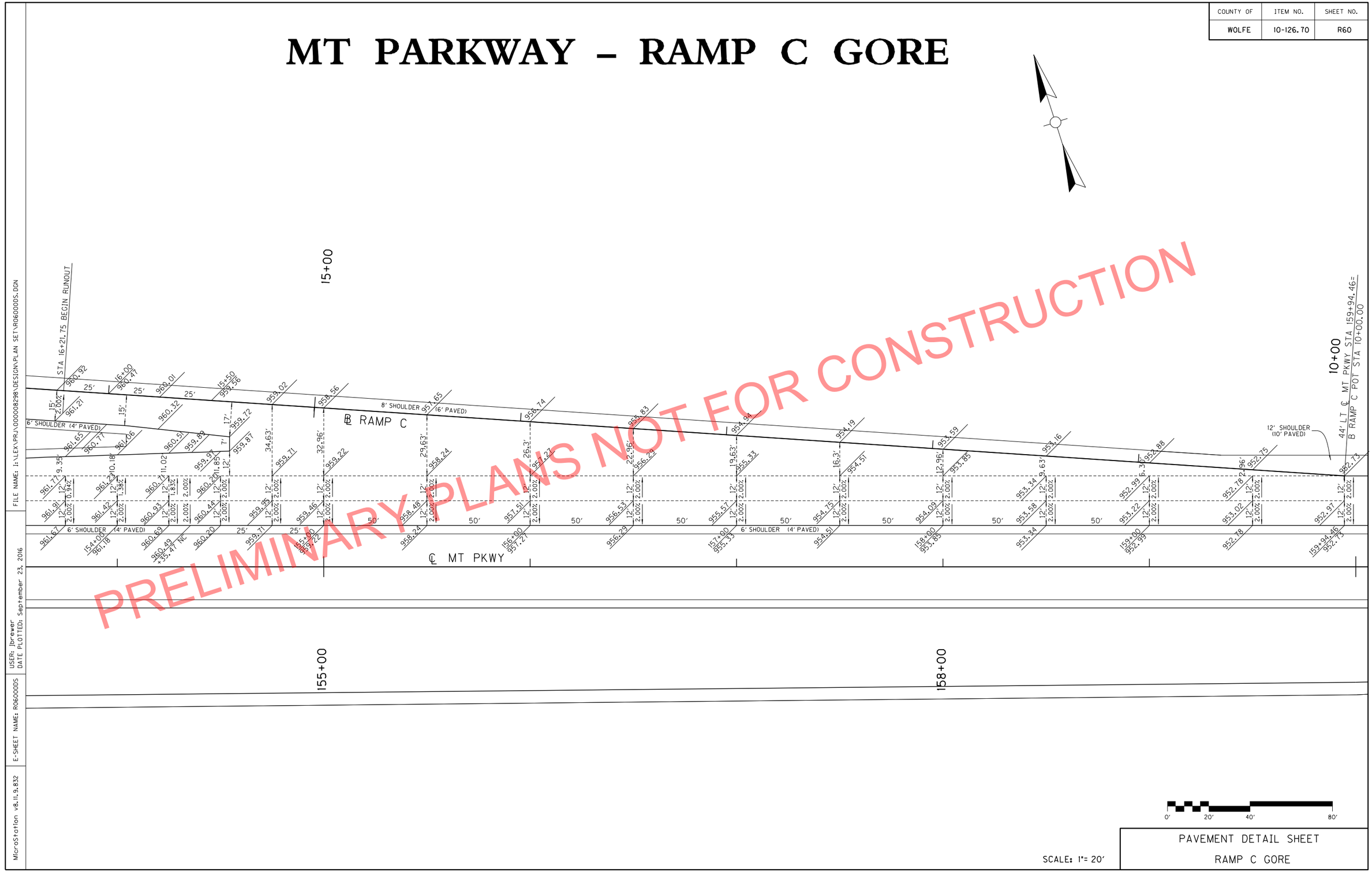
PAVEMENT DETAIL SHEET

RAMP B GORE

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\RG59000DS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RG59000DS
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R60 |

# MT PARKWAY – RAMP C GORE




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 20'

PAVEMENT DETAIL SHEET

RAMP C GORE

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R61 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R61000DS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R61000DS
MicroStation v8.11.9.832

℄ KY 205 STA 347+94.16=
℄ KY 191 STA 50+00.00

℄ KY 191

KY 191
STA 49+46.84
OFF 62' RT

KY 191
STA 49+08.38
OFF 62.00' LT

PI 48+91.11

PC 47+58.39

PT 49+99.37

50+00

+45.35
18.00'

+46.84
12.00'

+08.38
12.00'

+90.00
18.00'

+35.74
24.81'

+23.68
18.00'

+69.00
18.00'

+64.03
15.16'

+65.14
15.00'

+42.59
18.00'

+09.37
18.00'

+01.91
0.00'

+92.71
24.00'

RAMP D
STA 51+68.02
OFF 115.08' RT

RAMP D
STA 50+65.14
OFF 90.00' LT

RAMP C
STA 32+01.91
OFF 125.00' RT

RAMP C
STA 31+92.71
OFF 99.00' LT

℄ KY 205 STA 345+78.50=
℄ RAMP C POT STA 33+02.=33
℄ RAMP D POT STA 50+00.58

℄ RAMP D

℄ RAMP C

PI 30+70.12

345+00

30+00

POB 46+21.75

R 50'
R 100'
R 125'
R 75'

8' SHOULDER (6' PAVED)
6' SHOULDER (4' PAVED)
10' SHOULDER (8' PAVED)

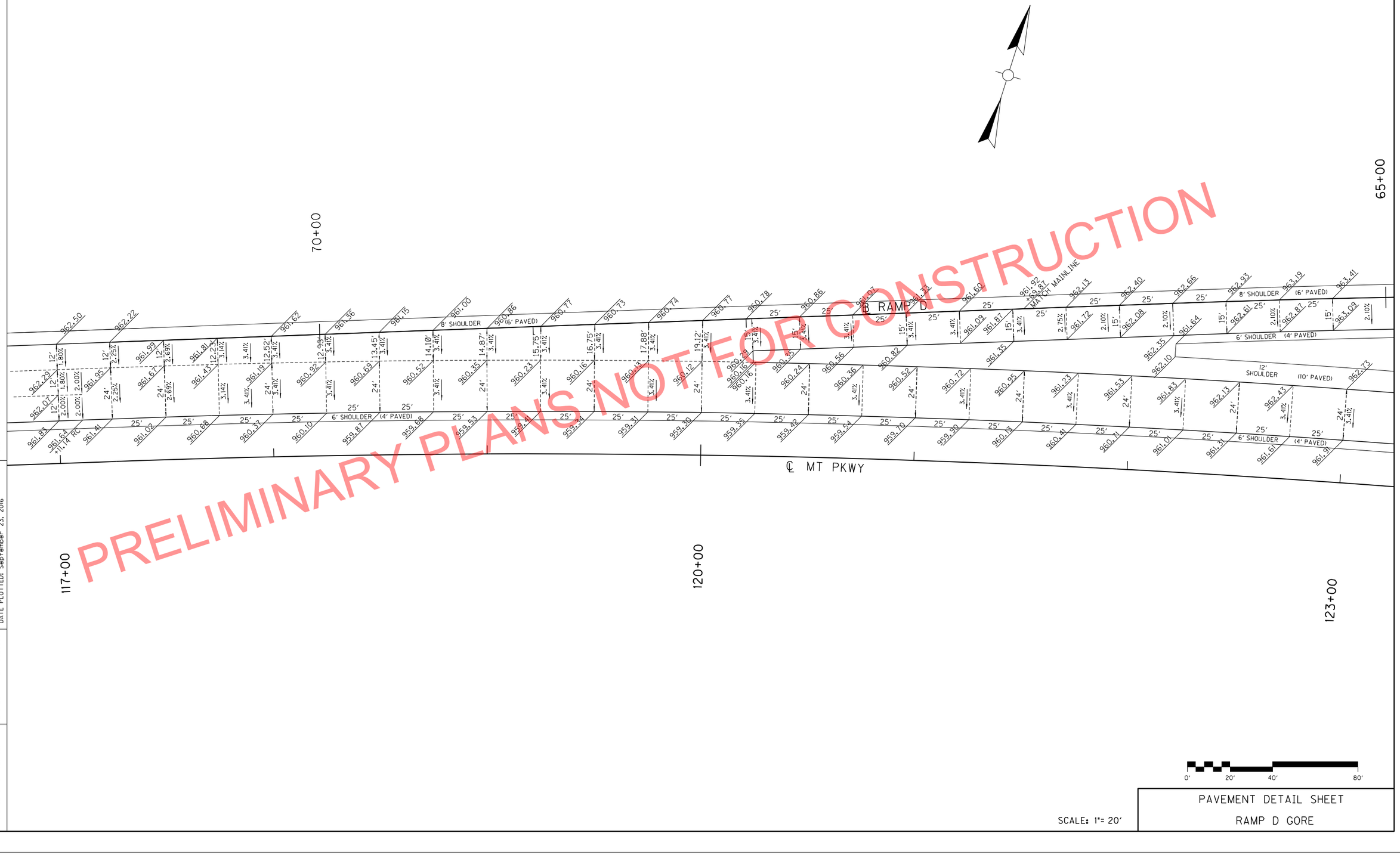
SCALE: 1"=20'

0' 20' 40' 80'

INTERSECTION DETAIL SHEET
KY 205 / RAMP C & RAMP D

# MT PARKWAY – RAMP D GORE

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R62 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 20'

PAVEMENT DETAIL SHEET
RAMP D GORE

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\R062000DS.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R062000DS
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R63 |

# MAINTENANCE OF TRAFFIC - PHASING PLAN

PHASE I: TRAFFIC

MAINTAIN MOUNTAIN PARKWAY MAINLINE AND RAMP TRAFFIC ON EXISTING.
SHIFT KY 205 TRAFFIC TO TEMPORARY PAVEMENT AROUND KY 205 CONSTRUCTION.
NOTE: FINAL SURFACE IS NOT TO BE PLACED IN PHASES I TO IV.

CONSTRUCTION

1. CONSTRUCT EASTBOUND LANES FROM BEGINNING TO STA 139+75 AND WESTBOUND LANES FROM STA 127+00 TO STA 139+75.
2. CONSTRUCT EASTBOUND LANES FROM STA 153+50 TO STA 223+87.
3. CONSTRUCT RAMP A.
4. CONSTRUCT TEMPORARY PAVEMENT AROUND PROPOSED KY 205.
5. CONSTRUCT KY 205 FROM STA 329+50 TO STA 332+30 AND FROM STA 336+00 TO STA 343+80.
6. CONSTRUCT FRONTAGE ROAD (CR 1226).
7. REALIGN STATE ROAD FORK.
8. CONSTRUCT DIVERSION FROM PROP. KY 205 TO EXISTING KY 205 FOR TWO-WAY RAMP A TRAFFIC.
9. OPEN RAMP A TO TRAFFIC AND CONSTRUCT PHASE II CROSSOVER.

PHASE II: TRAFFIC

MAINTAIN TWO 12 FOOT LANES OF TRAFFIC ALONG MAINLINE AT ALL TIMES BY SHIFTING MAINLINE TRAFFIC TO PHASE I WORK FROM BEGINNING TO STA 139+75.
INSTALL TEMPORARY SIGNAL STA 120+60 WITH (2) PCMS READING "TEMPORARY SIGNAL AHEAD" "BE PREPARED TO STOP". MAINTAIN TWO 12 FOOT LANES OF WESTBOUND (ON-RAMP) AND EASTBOUND (OFF-RAMP) TRAFFIC ON NEWLY CONSTRUCTED RAMP A.
MAINTAIN KY 205 TRAFFIC ON TEMPORARY PAVEMENT. TIE-IN KY 205 AND KY 191 TO EXISTING WHILE MAINTAINING ONE LANE OF TRAFFIC AT ALL TIMES. (USE FLAGGERS FOR PART WIDTH CONSTRUCTION)

CONSTRUCTION

1. CONSTRUCT TEMPORARY CROSS OVER FROM EXISTING LANES TO PHASE I CONSTRUCTION.
2. CONSTRUCT WESTBOUND LANES FROM BEGINNING TO STA 127+00.
3. CONSTRUCT KY 205 FROM STA 343+80 TO END.
4. CONSTRUCT RAMP D.
5. CONSTRUCT RAMP C FROM STA 24+00 TO KY 205.
6. CONSTRUCT EASTBOUND LANES FROM STA 223+87 TO END.

PHASE III: TRAFFIC

MAINTAIN TWO 12 FOOT LANES OF TRAFFIC ALONG MAINLINE AT ALL TIMES.
MAINTAIN TRAFFIC ON NEWLY CONSTRUCTED MAINLINE FROM BEGINNING TO STA 139+75. MAINTAIN TRAFFIC ON NEWLY CONSTRUCTED RAMPS A AND D.
SHIFT KY 205 TRAFFIC TO TEMPORARY PAVEMENT FOR KY 205 COMPLETION.

CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT ALONG KY 205.
2. COMPLETE KY 205 CONSTRUCTION FROM STA 332+30 TO STA 336+33.
3. CONSTRUCT TEMPORARY RAMP B FOR EASTBOUND ON-TRAFFIC.
4. CONSTRUCT TEMPORARY PAVEMENT FOR MAINLINE WESTBOUND TRAFFIC FROM STA 139+75 TO STA 144+09.
5. CONSTRUCT DIVERSION FROM PROP. KY 205 TO EXISTING KY 205 FOR RAMP B TRAFFIC.
6. CONSTRUCT RAMP C FROM STA 18+15 TO STA 24+00.

PHASE IIIB: TRAFFIC

MAINTAIN TWO 12 FOOT LANES OF TRAFFIC ALONG MAINLINE AT ALL TIMES.
SHIFT KY 205 TRAFFIC TO COMPLETED KY 205. MAINTAIN EASTBOUND ON-TRAFFIC ON TEMPORARY RAMP B. MAINTAIN MAINLINE ON TEMPORARY PAVEMENT CROSS-OVERS.

CONSTRUCTION

1. COMPLETE MAINLINE EASTBOUND LANES.
2. CONSTRUCT RAMP B.
3. REMOVE EXISTING KY 205 BRIDGE OVER STATE ROAD FORK.
4. CONSTRUCT PHASE IV CROSS OVER

PHASE IV: TRAFFIC

MAINTAIN TWO 12 FOOT LANES OF TRAFFIC ALONG MAINLINE AT ALL TIMES.
SHIFT MAINLINE TRAFFIC ONTO EASTBOUND LANES WHILE COMPLETING WORK ON WESTBOUND LANES. MAINTAIN WESTBOUND EXISTING TRAFFIC (RAMP C) ON TEMPORARY PAVEMENT.

CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT TO EXISTING WESTBOUND OFF-RAMP.
2. COMPLETE WESTBOUND MAINLINE LANES.
3. COMPLETE RAMP C.
4. CONSTRUCT TEMPORARY PAVEMENT FOR WESTBOUND CROSSOVER FROM STA 132+70 TO STA 136+36.

PHASE V: TRAFFIC

MAINTAIN TWO 12 FOOT LANES OF TRAFFIC ALONG MAINLINE AT ALL TIMES.
MAINTAIN ONE LANE OF TRAFFIC ALONG KY 205 AND KY 191 AT ALL TIMES.

CONSTRUCTION

1. COMPLETE FINAL SURFACING AND STRIPING, REMOVE ALL TEMPORARY PAVEMENT.
2. FINAL DRESS

## GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.

2. EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:

   A. ALL GRADING AND NECESSARY DRAINAGE (ALL TEMPORARY DITCHES, TEMPORARY PIPES, TEMPORARY STRUCTURES, ANY CLASS IV CHANNEL LINING FOR TEMPORARY DITCHES) FOR THE TEMPORARY ROADWAYS AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED.

   B. ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.

   C. ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.

3. ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.

4. THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 11 FEET. HOWEVER, DURING WORKING HOURS, ONE-WAY TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAGPERSON ARE AT THE LOCATION.

5. THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.

6. IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.

7. THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSOVERS OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.

8. IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.

9. IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

10. THE SPEED LIMIT SHALL BE AT INDICATED ON THESE PLANS WITH DOUBLE FINES. DOUBLE FINE SIGNS SHALL BE REMOVED OR COVERED SO THAT THE DOUBLE FINE MESSAGE IS NOT VISIBLE OR LEGIBLE WHEN THE HIGHWAY WORK ZONE DOES NOT HAVE A WORKER PRESENT FOR MORE THAN A 2-HOUR PERIOD OF TIME.

11. PART WIDTH CONSTRUCTION FOR TIE INS SHOULD BE LEFT TO THE CONTRACTORS AND ENGINEERS DISCRETION AND INCIDENTAL TO MAINTAIN AND CONTROL TRAFFIC.

12. DURING CONSTRUCTION, IF THE CONTRACTOR MOVES EQUIPMENT, MATERIAL, ETC. BACK AND FORTH ACROSS PUBLIC ROADWAYS THAT REMAIN OPEN, SPECIAL PROVISIONS MAY BE REQUIRED BY THE ENGINEER. THIS MAY INCLUDE BUT IS NOT LIMITED TO, PLATING OF EXISTING PAVEMENTS, FLAGGERS, SPECIAL SIGNING, OR LIGHTING TO EMPHASIZE THE CONSTRUCTION EQUIPMENT CROSSING THE ROADWAY, ALL OF WHICH SHALL BE INCIDENTAL TO LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC".

13. BLASTING OPERATIONS:
THE CONTRACTOR SHALL HALT TRAFFIC AT A SAFE DISTANCE FROM THE LOCATION WHERE THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL INSPECT THE PAVEMENT FOR ANY DEBRIS THAT MAY BE A HAZARD TO THE TRAFFIC BEFORE ALLOWING TRAFFIC TO PROCEED ON THE AFFECTED SECTION.

WHEN BLASTING, THE CONTRACTOR SHALL HALT TRAFFIC. BLAST, CLEAN THE EXISTING PAVEMENTS AND RETURN TRAFFIC TO NORMAL OPERATION IN THE LEAST AMOUNT OF TIME POSSIBLE. DURING BLASTING OPERATIONS, TRAFFIC MAY BE HALTED A MAXIMUM OF 20 MINUTES TWICE A DAY. TO ALLOW THE EXECUTION OF "THE SHOT" AND TO ALLOW FOR REMOVAL OF ROCK FRAGMENTS AND DEBRIS BLASTING WILL NOT BE PERMITTED BETWEEN THE HOURS OF 7:00AM TO 9:00AM AND 3:00PM TO 5:00PM. TRAFFIC STOPPAGES SHALL BE PENALIZED AT THE FOLLOWING RATES:
21 TO 40 MINUTES -- $2,000 PER INCIDENT
41 TO 60 MINUTES -- $4,000 PER INCIDENT
GREATER THAN 1 HOUR -- $4,000 PLUS $5,000 PER HOUR (OR PORTION THEREOF) PER INCIDENT.

14. HALTING OF TRAFFIC:
DURING STRUCTURE DEMOLITION, BEAM PLACEMENT, OR OTHER ACTIVITY THAT REQUIRES TRAFFIC FLOW TO BE STOPPED, TRAFFIC MAY BE HALTED A MAXIMUM OF 20 MINUTES PER HOUR TO ALLOW THE EXECUTION OF THE WORK AND TO ALLOW FOR ANY NECESSARY REMOVAL OF DEBRIS. THE CONTRACTOR WILL BE ASSESSED DAMAGES OF $500 FOR THE 1ST 15 MINUTES AND THEN $1,000 FOR EACH 30 MINUTES THEREAFTER IF THROUGH TRAFFIC IS NOT RESTORED WITHIN THE 20 MINUTE STOPPAGE THAT IS ALLOWED. THE CONTRACTOR SHALL HAVE SUITABLE EQUIPMENT AT THE SITE AND IN A RUNNING MODE FOR THE PURPOSE OF CLEANING THE EXISTING PAVEMENT OF ALL DEBRIS.

15. REMOVAL OF PAVEMENT MARKINGS:
THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT DO NOT CONFORM TO THE TRAFFIC OPERATION IN USE. IN AREAS WHERE THE MARKING WILL CONFORM TO THE FINAL MARKING SCHEME OR FOR OTHER REASONS WILL NOT BE REMOVED, MARKINGS SHALL BE OF A PERMANENT TYPE PAVEMENT MARKING MATERIAL. ALL TEMPORARY MARKINGS WHICH MUST BE SUBSEQUENTLY REMOVED FROM THE ULTIMATE PAVEMENT SHALL BE AN APPROVED TEMPORARY STRIPING PAINT. TEMPORARY STRIPING PAINT SHALL BE MEASURED IN LINEAR FEET FOR PAYMENT. MARKINGS ON EXISTING OR TEMPORARY PAVEMENT SHALL BE REMOVED BY WATER BLASTING TO THE SATISFACTION OF THE ENGINEER AND SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "MAINTAIN AND CONTROL TRAFFIC". PAINTING OF EXISTING MARKINGS WITH BITUMINOUS OR OTHER MATERIALS TO OBLITERATE THE MARKINGS SHALL NOT BE ALLOWED.

## GENERAL NOTES

16. CONTRACTOR'S VEHICLES:
THE CONTRACTOR'S VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST THE FLOW OF TRAFFIC. VEHICLES SHALL ENTER AND LEAVE WORK AREAS IN A MANNER WHICH WILL NOT BE HAZARDOUS TO OR INTERFERE WITH NORMAL TRAFFIC. VEHICLES SHALL NOT PARK OR STOP EXCEPT WITHIN WORK AREAS DESIGNATED BY THE ENGINEER.

17. VARIABLE MESSAGE SIGNS:
VARIABLE MESSAGE SIGNS SHALL BE PLACED AT LOCATIONS APPROVED BY THE ENGINEER. UPON PROJECT COMPLETION, THE VARIABLE MESSAGE SIGNS SHALL REMAIN PROPERTY OF THE CONTRACTOR.

18. IN THE FINAL PHASE, ALL LANE CLOSURES AND ANY REMAINING TEMPORARY PAVEMENT NOT DESIGNATED TO REMAIN IN PLACE ARE TO BE REMOVED AND THE FACILITY WILL BE OPENED TO TRAFFIC. FINAL SURFACING OPERATIONS WILL BE COMPLETED FOR THE ENTIRE PROJECT. THIS WORK WILL BE DONE UNDER TRAFFIC. TEMPORARY LANE OR SHOULDER CLOSURES MAY BE NECESSARY TO COMPLETE FINAL SURFACING OPERATIONS. FLAGPERSONS SHALL NOT BE USED ON THE PARKWAY FOR FINAL SURFACING.

19. ADJACENT PROJECTS ON THE MOUNTAIN PARKWAY TO THE EAST AND WEST AND ON KY 205 TO THE SOUTH, MAY BE UNDER CONSTRUCTION. COORDINATION WITH THE CONSTRUCTION PHASES AND MAINTENANCE OF TRAFFIC IS REQUIRED AND WILL BE AS DIRECTED AND APPROVED BY THE ENGINEER. THE ENGINEER, AT HIS DISCRETION, MAY ADJUST WORK ITEMS AND PHASES TO COORDINATE WITH WORK ON THE ADJACENT PROJECTS.

20. PRIOR TO THE CONTRACTOR PERFORMING ANY CONSTRUCTION SEQUENCE, HE MUST APPLY IN WRITING TO THE ENGINEER FOR APPROVAL OF THE PERIOD OF TIME SELECTED. THE ENGINEER MAY, AT HIS DISCRETION, CANCEL OR SHORTEN ANY PERIOD OF TIME BEFORE AND DURING A CONSTRUCTION SEQUENCE. IF THE ENGINEER SHORTENS A PERIOD OF TIME DURING A CONSTRUCTION SEQUENCE, THE CONTRACTOR MUST REMOVE ALL EQUIPMENT AND INSTALL ALL NECESSARY TRAFFIC CONTROL DEVICES.

21. CONTRARY TO SECTION 112.04.02 ONLY LONG TERM SIGNS (SIGNS INTENDED TO BE CONTINUOUSLY IN PLACE FOR MORE THAN 3 DAYS) WILL BE MEASURED FOR PAYMENT; SHORT TERM SIGNS (SIGNS INTENDED TO BE LEFT IN PLACE FOR 3 DAYS OR LESS) WILL NOT BE MEASURED FOR PAYMENT BUT WILL BE INCIDENTAL TO MAINTAIN AND CONTROL TRAFFIC. INDIVIDUAL SIGNS WILL BE MEASURED ONLY ONCE FOR PAYMENT, REGARDLESS OF HOW MANY TIMES THEY ARE SET, RESET, REMOVED AND RELOCATED DURING THE DURATION OF THE PROJECT. REPLACEMENTS FOR DAMAGED SIGNS DIRECTED BY THE ENGINEER TO BE REPLACED DUE TO POOR CONDITION OR REFLECTIVITY WILL NOT BE MEASURED FOR PAYMENT. CONTRACTOR SHALL PROVIDE ADVANCE WARNING SIGNS AT LEAST 10 DAYS PRIOR TO CONSTRUCTION.

22. ACCESS TO LOCAL PROPERTIES AND APPROACH ROADS SHALL BE MAINTAINED AND OR DETOURED AT ALL TIMES IF POSSIBLE. SHOULD THE CONTRACTOR HAVE TO CLOSE ACCESS TO ANY PROPERTIES FOR A SHORT PERIOD OF TIME, THE PENDING CLOSURE SHALL REQUIRE THE CONTRACTOR TO COORDINATE SUCH OCCURRENCE WITH THE AFFECTED PROPERTY OWNER AND GIVE THE AFFECTED OWNER A 48 HOUR ADVANCE NOTICE.

23. A TRAFFIC CONTROL COORDINATOR WILL BE REQUIRED ON THIS PROJECT.

24. TEMPORARY CONCRETE BARRIER WALL TYPE 9T AND CRASH CUSHIONS ARE TO BE INSTALLED PRIOR TO CLEARING AND GRUBBING AND ROADWAY EXCAVATION ON THE SHOULDER OF THE EXISTING ROADWAY AS SHOWN ON THE MOT PLANS. THE EXISTING SHOULDER SHALL BE GRADED AND LOW AREAS FILLED PRIOR TO INSTALLING THE WALL IN ORDER TO HAVE A VERTICAL PLACEMENT OF THE WALL. NO DIRECT PAYMENT WILL BE MADE FOR THE SHOULDER PREPARATION PRIOR TO INSTALLING THE WALL AND SHALL BE CONSIDERED INCIDENTAL TO THE TCBW. WALLS MAY BE REMOVED OR RELOCATED AT THE DISCRETION OF THE ENGINEER TO ALLOW ACCESS TO SUBGRADE FOR PAVING OPERATIONS.

## PAVEMENT DROP-OFF

A PAVEMENT EDGE THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

- LESS THAN TWO INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
- TWO TO FOUR INCHES - PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MPH OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MPH AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING OF DEVICES ON TAPERED SECTIONS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- GREATER THAN FOUR INCHES - POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS FIVE FEET OR MORE DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE DROP-OFF, THEN DRUMS, PANEL, OR BARRICADES MAY BE USED. IF THE DROP-OFF IS GREATER THAN 12 INCHES, POSITIVE SEPARATION IS STRONGLY ENCOURAGED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN FOUR INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

PAYMENT WILL BE ALLOWED FOR CSB MATERIAL USED FOR WEDGING.

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MOUNTAIN PARKWAY
MAINTENANCE OF TRAFFIC
PHASING NOTES

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R063GOMT.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0800OMT
MicroStation v8.11.9.832

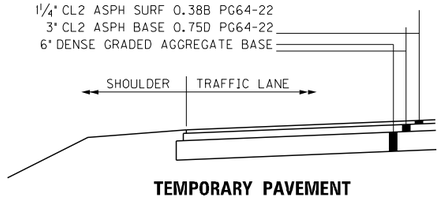
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R64 |

# MAINTENANCE OF TRAFFIC - SIGNING SUMMARY

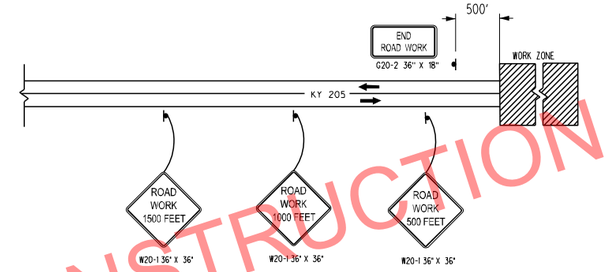
*NOTE: QUANTITY TOTALS ARE INCLUDED IN GENERAL SUMMARY, SEE SHEET R2G.

| TYPE | DIMENSIONS | AREA SQ FT | CONSTRUCTION SEQUENCE | | | | | | | | | | MAX # REQ'D | | TOTAL AREA SQ FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PHASE I | | PHASE II | | PHASE III | | PHASE IIIB | | PHASE IV | | | | | | |
| | | | WOLFE | MORGAN | WOLFE | MORGAN | WOLFE | MORGAN | WOLFE | MORGAN | WOLFE | MORGAN | WOLFE | MORGAN | WOLFE | MORGAN | PROJECT |
| E5-2 | 48" X 36" | 12 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 12 | - | 12 |
| G20-2 | 48" X 24" | 8 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 8 | 8 | 16 |
| G20-2 | 36" X 18" | 4.5 | 2 | 2 | - | - | - | - | - | - | - | - | 2 | 2 | 9 | 9 | 18 |
| | | | | | | | | | | | | | | | | | |
| M3-2 | 36" X 18" | 4.5 | - | - | - | - | 3 | - | - | - | - | - | 3 | - | 13.5 | - | 13.5 |
| M3-4 | 36" X 18" | 4.5 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 9 | - | 9 |
| M4-5 | 36" X 18" | 4.5 | - | - | - | - | 3 | - | - | - | - | - | 3 | - | 13.5 | - | 13.5 |
| M4-10L | 48" X 18" | 6 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 6 | - | 6 |
| | | | | | | | | | | | | | | | | | |
| R1-1 | 30" X 30" | 6.25 | - | - | 1 | - | 1 | - | - | - | - | - | 2 | - | 12.5 | - | 12.5 |
| R2-1 | 36" X 48" | 12 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 24 | - | 24 |
| R2-1 | 24" X 30" | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | - | 10 | - | 10 |
| | | | | | | | | | | | | | | | | | |
| R3-1 | 24" X 24" | 4 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 4 | - | 4 |
| R3-2 | 24" X 24" | 4 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 4 | - | 4 |
| | | | | | | | | | | | | | | | | | |
| R10-6 | 24" X 36" | 6 | - | - | 3 | - | - | - | - | - | - | - | 3 | - | 18 | - | 18 |
| R11-2 | 48" X 30" | 10 | - | - | 6 | - | - | - | - | - | - | - | 6 | - | 60 | - | 60 |
| | | | | | | | | | | | | | | | | | |
| W1-4L | 48" X 48" | 16 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 32 | - | 32 |
| | | | | | | | | | | | | | | | | | |
| W1-4R | 48" X 48" | 16 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 16 | - | 16 |
| W1-6 | 48" X 24" | 8 | - | - | - | - | 1 | - | - | - | - | - | 1 | - | 8 | - | 8 |
| W1-8 | 18" X 24" | 3 | 4 | - | - | - | - | - | - | - | - | - | 4 | - | 12 | - | 12 |
| | | | | | | | | | | | | | | | | | |
| W3-1 | 36" X 36" | 9 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 9 | - | 9 |
| W3-3 | 48" X 48" | 16 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 32 | - | 32 |
| W3-3 | 36" X 36" | 9 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 9 | - | 9 |
| W3-5 | 48" X 48" | 16 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 32 | - | 32 |
| W3-5 | 36" X 36" | 9 | 2 | - | - | - | - | - | - | - | - | - | 2 | - | 18 | - | 18 |
| | | | | | | | | | | | | | | | | | |
| W4-1 | 48" X 48" | 16 | - | - | - | - | - | - | 1 | - | - | - | 1 | - | 16 | - | 16 |
| W4-5 | 36" X 36" | 9 | - | - | - | - | - | - | 1 | - | - | - | 1 | - | 9 | - | 9 |
| W6-3 | 36" X 36" | 9 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 18 | - | 18 |
| W13-1P | 30" X 30" | 6.25 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 12.5 | - | 12.5 |
| W16-5P | 24" X 18" | 3 | - | - | 2 | - | 1 | - | - | - | - | - | 3 | - | 9 | - | 9 |
| W20-1 | 48" X 48" | 16 | 4 | 4 | - | - | - | - | - | - | - | - | 4 | 4 | 64 | 64 | 128 |
| W20-1 | 36" X 36" | 9 | 8 | 2 | - | - | - | - | - | - | - | - | 8 | 2 | 72 | 18 | 90 |
| | | | | | | | | | | | | | | | | | |
| W21-5a | 48" X 48" | 16 | - | - | 1 | - | - | - | - | - | - | - | 1 | - | 16 | - | 16 |
| W22-1 | 48" X 48" | 16 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 16 | 16 | 32 |
| W22-1 | 36" X 36" | 9 | 2 | 1 | - | - | - | - | - | - | - | - | 2 | 1 | 18 | 9 | 27 |
| W22-2 | 42" X 36" | 10.5 | 3 | 2 | - | - | - | - | - | - | - | - | 3 | 2 | 31.5 | 21 | 52.5 |
| W22-3 | 42" X 36" | 10.5 | 3 | 2 | - | - | - | - | - | - | - | - | 3 | 2 | 31.5 | 21 | 52.5 |
| R2-10 | 36" X 48" | 12 | - | - | 2 | - | - | - | - | - | - | - | 2 | - | 24 | - | 24 |
| R2-10 | 24" X 30" | 5 | 2 | - | - | - | - | - | - | - | - | - | 2 | - | 10 | - | 10 |
| R2-11 | 24" X 30" | 5 | 2 | - | 1 | - | - | - | - | - | - | - | 3 | - | 15 | - | 15 |
| R2-11 | 36" X 48" | 12 | - | - | 1 | 1 | - | - | - | - | - | - | 1 | 1 | 12 | 12 | 24 |

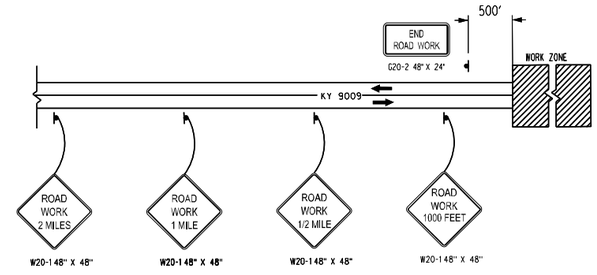
WOLFE TOTAL = 746 SQ FT
MORGAN TOTAL = 178 SQ FT
PROJ TOTAL = 924 SQ FT




**TEMPORARY PAVEMENT**




ADVANCE WARNING SIGN SETUP B




ADVANCE WARNING SIGN SETUP A

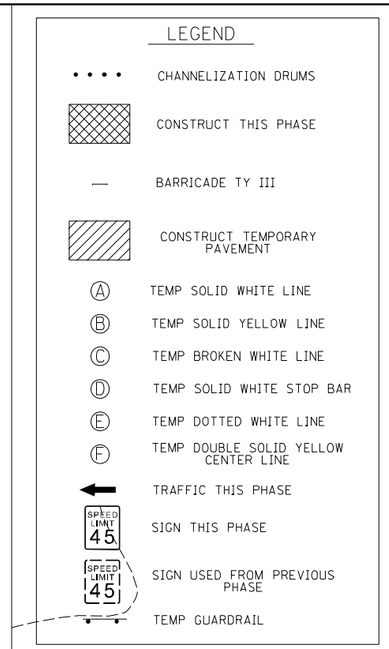
PRELIMINARY PLANS NOT FOR CONSTRUCTION

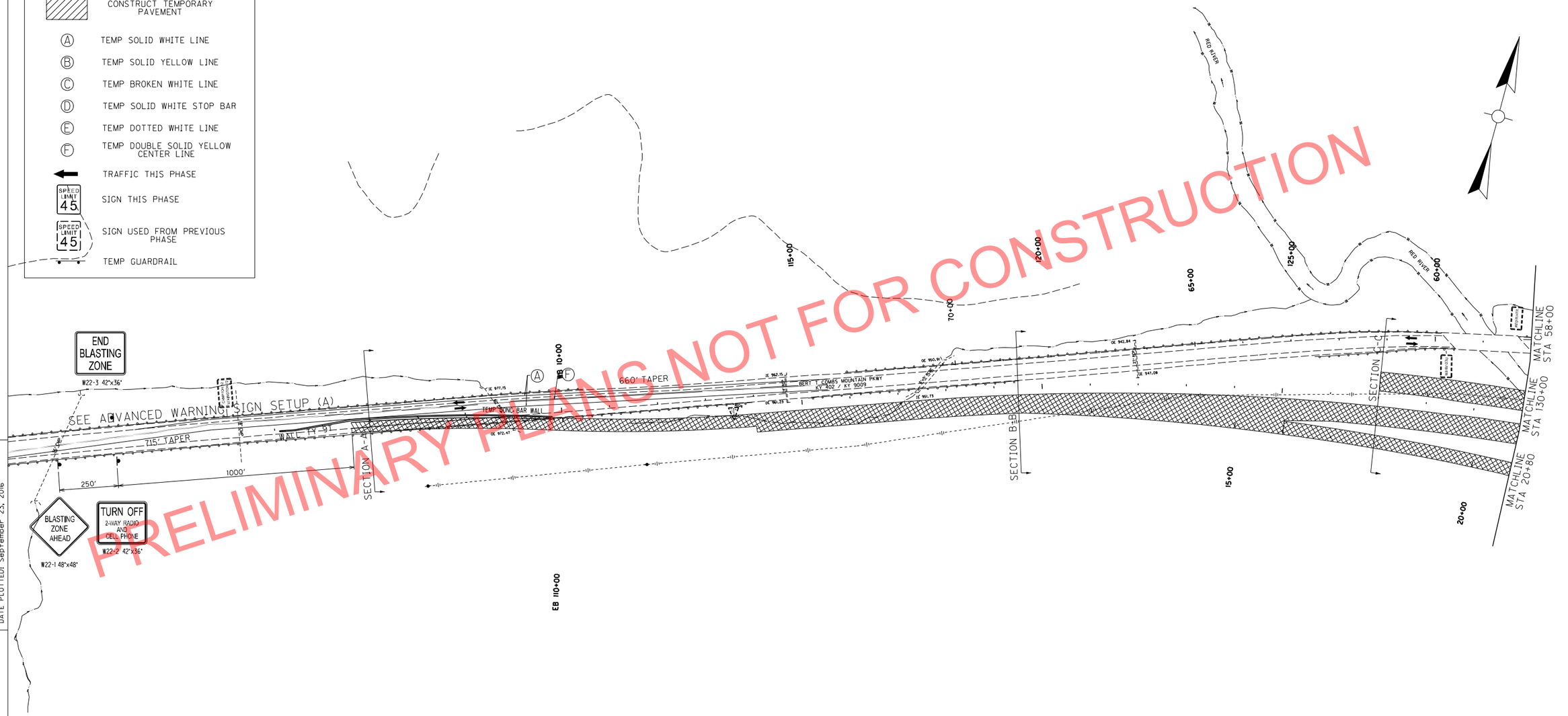
MOUNTAIN PARKWAY / KY 205
MAINTENANCE OF TRAFFIC PLANS
QUANTITIES

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0640OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0810OMT
MicroStation v8.11.9.832

# PHASE I MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R65 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

CONSTRUCT 560 LF OF CONCRETE BARRIER WALL TYPE 9T (1) CRASH CUSHION TYPE VI CL BT TL2, TAPER MIN 24' AWAY FROM TRAFFIC AT A MIN 11:1

NOTE: SEE SHEET R72 FOR CRITICAL SECTIONS

0' 100' 200' 400'

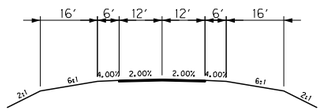
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE I
MAINTENANCE OF TRAFFIC SHEET
STA 105+59.89 TO STA 130+00

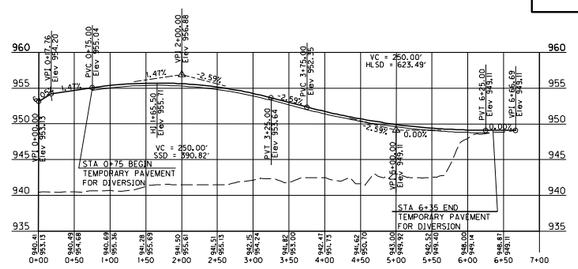
FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R065OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R08200MT
MicroStation v8.11.9.832

# PHASE I MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R66 |




PHASE I DIVERSION




PHASE I DIVERSION

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SEE ADVANCE WARNING SIGN SETUP (B)

END BLASTING ZONE W22-3 42"x36"

END DOUBLE FINES ZONE R2-11 24"x30"

250'

SPEED LIMIT 45 R2-1 24"x30"

BEGIN DOUBLE FINES ZONE R2-10 24"x30"

BLASTING ZONE AHEAD W22-1 36"x36"

TURN OFF 2-WAY RADIO AND CELL PHONE W22-2 42"x36"

SPEED LIMIT 45 500' IN ADVANCE W3-5 36"x36"

ROAD WORK 600 FEET W20-1 36"x36"

KY 205 / KY 3172 (KY 191)

KY 402 / KY 9009

BEE COMBS MOUNTAIN PKWY

SECTION D-D

SECTION E-E

STATE ROAD FORK

RED RIVER

MATCHLINE STA 58+00 SEE SHEET R70

MATCHLINE STA 130+00 SEE SHEET R71

MATCHLINE STA 20+80 SEE SHEET R71

MATCHLINE STA 335+50 SEE SHEET R71

MATCHLINE STA 155+00 SEE SHEET R72

| PHASE I-DIVERSION | PHASE I-DIVERSION |
|---|---|
| PI STA 2+32.64 | PI STA 5+00.84 |
| Δ = 19°02'11" LT | Δ = 32°35'21" RT |
| T = 98.42' | T = 171.59' |
| L = 195.03' | L = 333.88' |
| R = 587.00' | R = 587.00' |
| E = 8.19' | E = 24.57' |
| e = RC | e = RC |
| Runoff = 45.00' | Runoff = 45.00' |
| Runout = 45.00' | Runout = 45.00' |

NOTE: SEE SHEET R72 FOR CRITICAL SECTIONS
SEE SHEETS R73 - R83 FOR DIVERSION SECTIONS

0' 100' 200' 400'

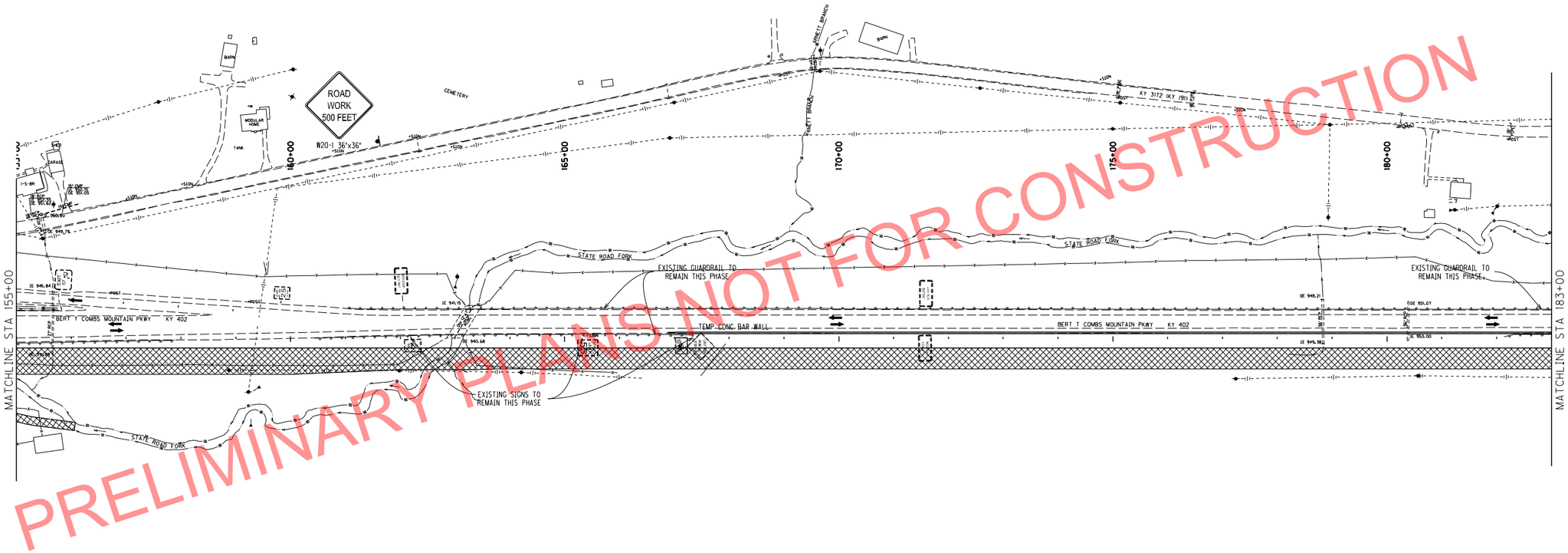
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE I
MAINTENANCE OF TRAFFIC SHEET
STA 130+00 TO STA 155+00

MicroStation v8.11.9.832
E-SHEET NAME: R08300MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R06600MT.DGN

# PHASE I MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R67 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

STA 167+00 TO STA 183+00 CONSTRUCT
1600 LF OF CONCRETE BARRIER WALL TYPE 9T
WITH (1) CRASH CUSHION TY VI CL BT TL2

SCALE: 1"=100'

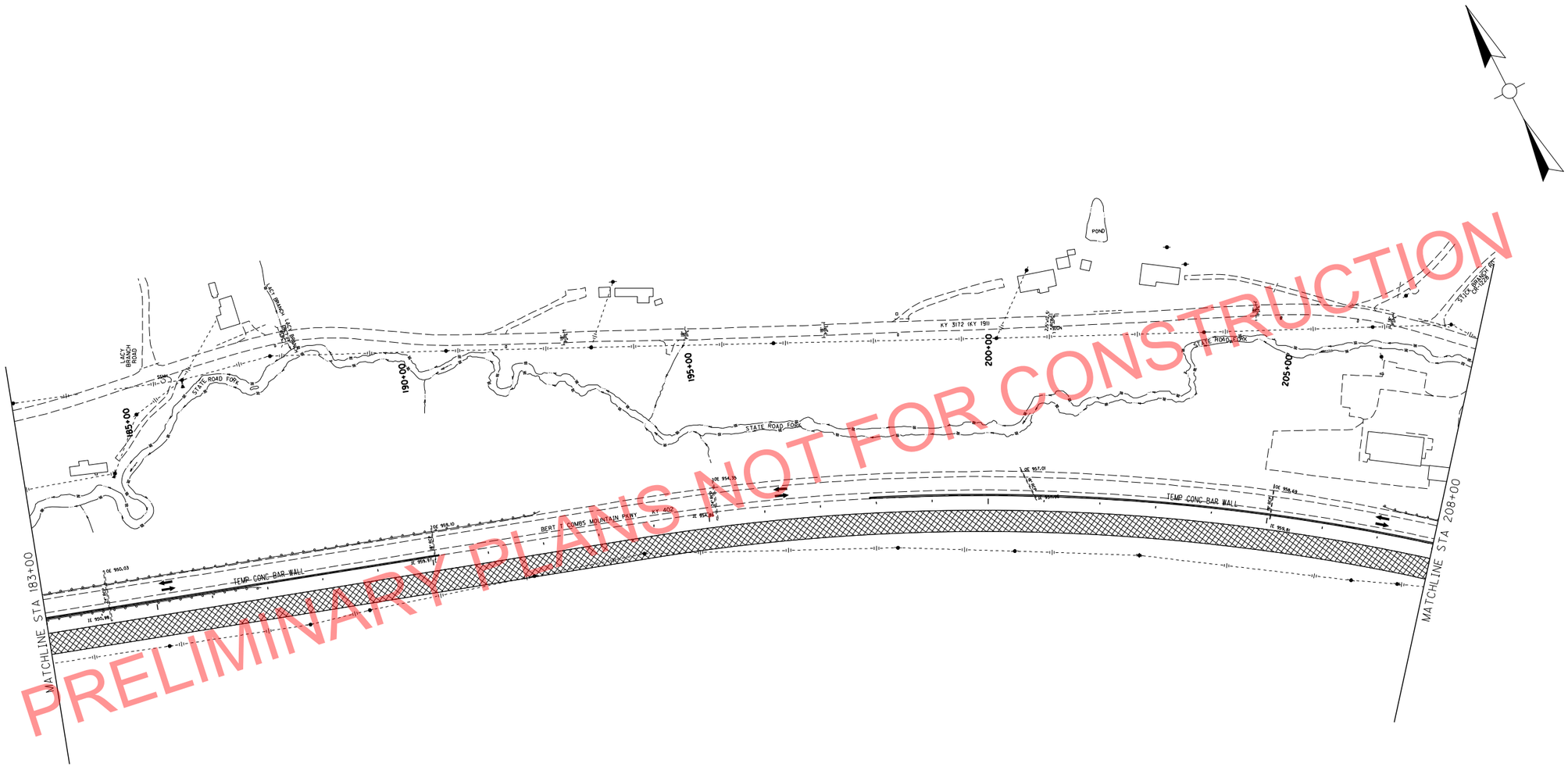
0' 100' 200' 400'

MOUNTAIN PARKWAY PHASE I
MAINTENANCE OF TRAFFIC SHEET
STA 155+00 TO STA 183+00

MicroStation v8.11.9.832
E-SHEET NAME: R08400MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R067TOMT.DGN

# PHASE I MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R68 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

STA 183+00 TO STA 190+00 CONSTRUCT
700 LF OF CONCRETE BARRIER WALL TYPE 9T
WITH (1) CRASH CUSHION TY VI CL BT TL2

STA 198+00 TO STA 208+00 CONSTRUCT
1000 LF OF CONCRETE BARRIER WALL TYPE 9T
WITH (1) CRASH CUSHION TY VI CL BT TL2

0' 100' 200' 400'

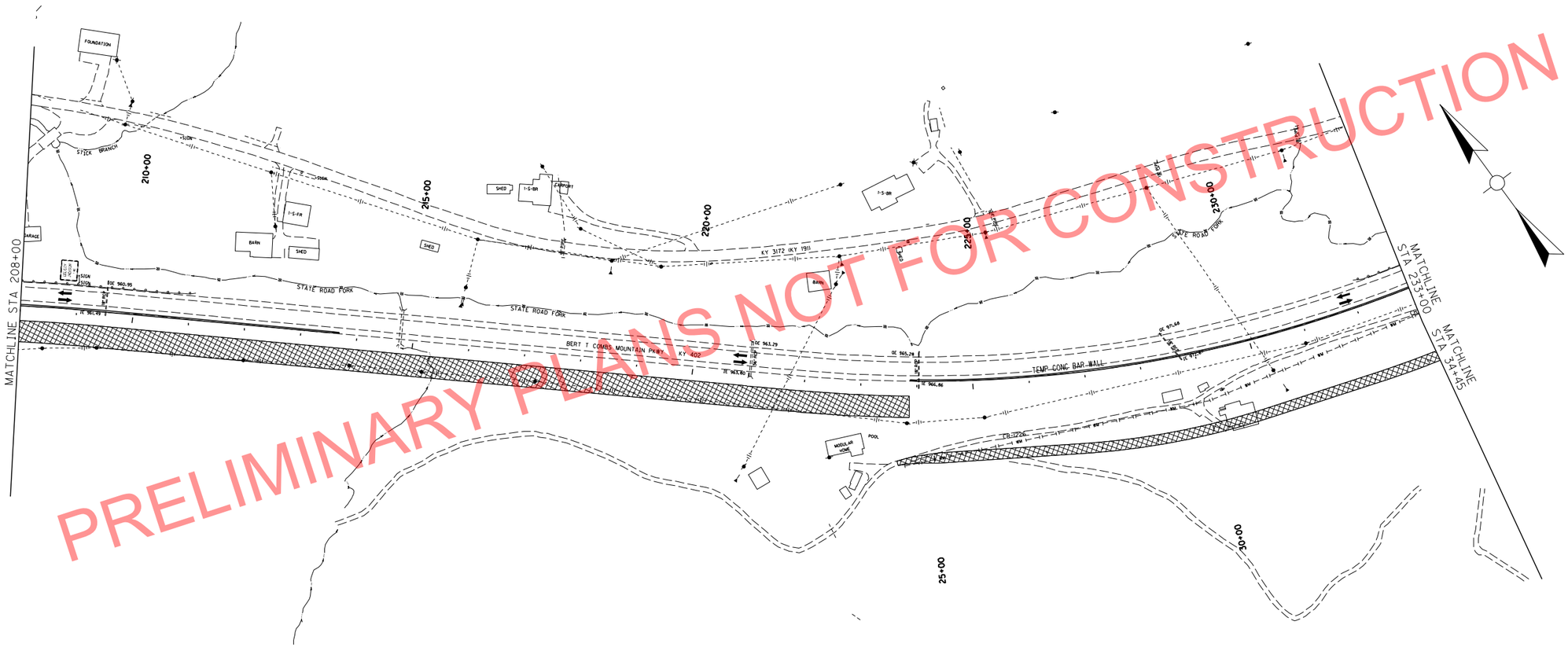
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE I
MAINTENANCE OF TRAFFIC SHEET
STA 183+00 TO STA 208+00

MicroStation v8.11.9.832
E-SHEET NAME: R085OOMT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\EX\PRJ\0000008298\DESIGN\MOT\R068OOMT.DGN

# PHASE I MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R69 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

STA 208+00 TO STA 213+60 CONSTRUCT
560 LF OF CONCRETE BARRIER WALL TYPE 9T
WITH (1) CRASH CUSHION TY VI CL BT TL2

STA 224+00 TO STA 233+00 CONSTRUCT
900 LF OF CONCRETE BARRIER WALL TYPE 9T
WITH (1) CRASH CUSHION TY VI CL BT TL2

0' 100' 200' 400'

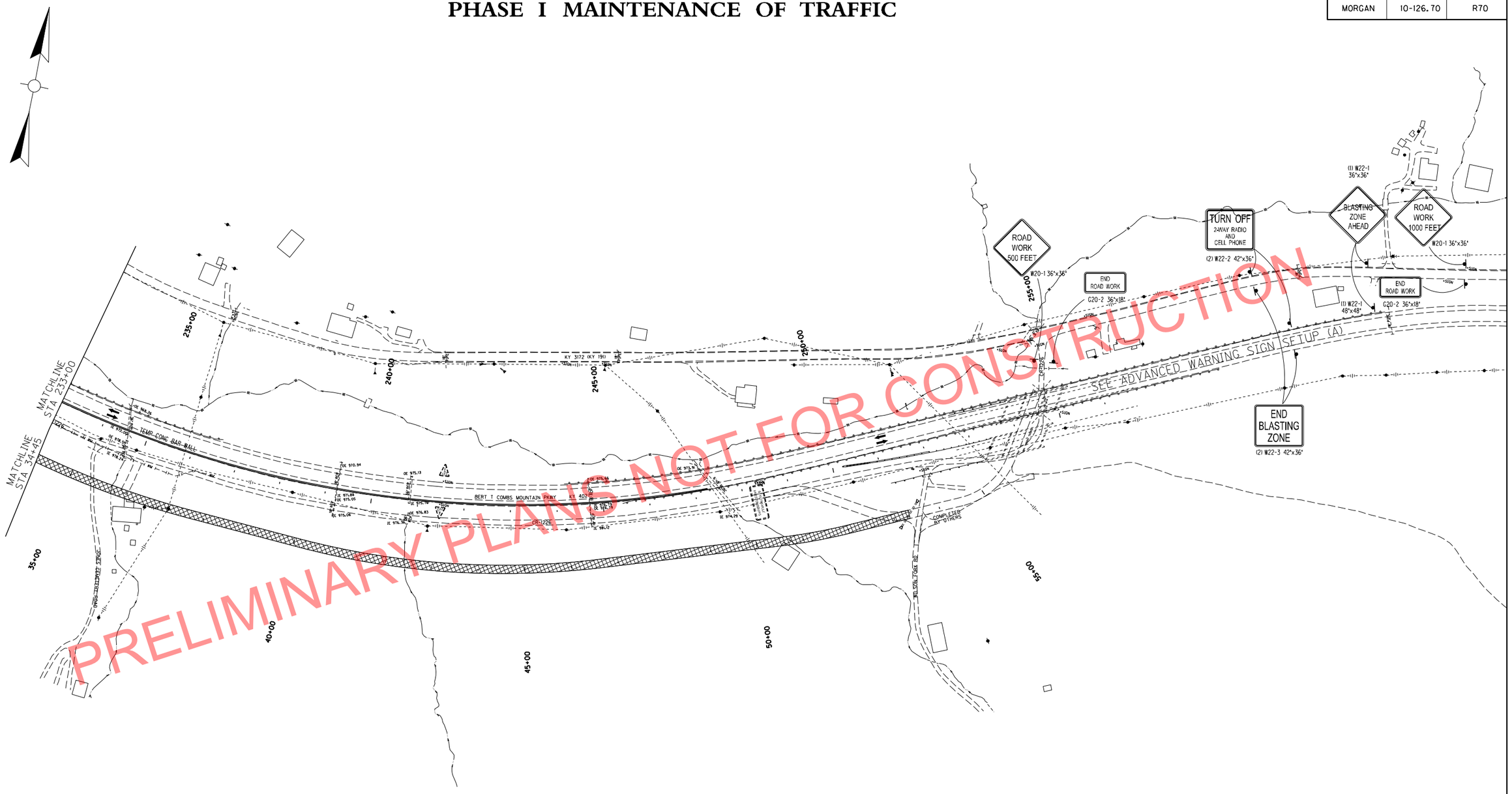
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE I
MAINTENANCE OF TRAFFIC SHEET
STA 208+00 TO STA 233+00

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R069OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R08600MT
MicroStation v8.11.9.832

# PHASE I MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R70 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

STA 233+00 TO STA 247+00 CONSTRUCT
1400 LF OF CONCRETE BARRIER WALL TYPE 9T
WITH (1) CRASH CUSHION TY VI CL BT TL2

0' 100' 200' 400'

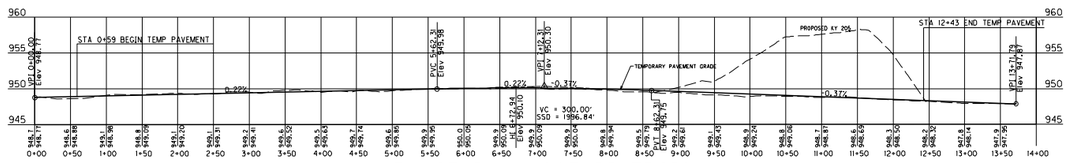
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE I
MAINTENANCE OF TRAFFIC SHEET
STA 233+00 TO STA 256+67.06

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\MOT\ROTOOMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: ROBTOOMT
MicroStation v8.11.9.832

# PHASE I MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R71 |



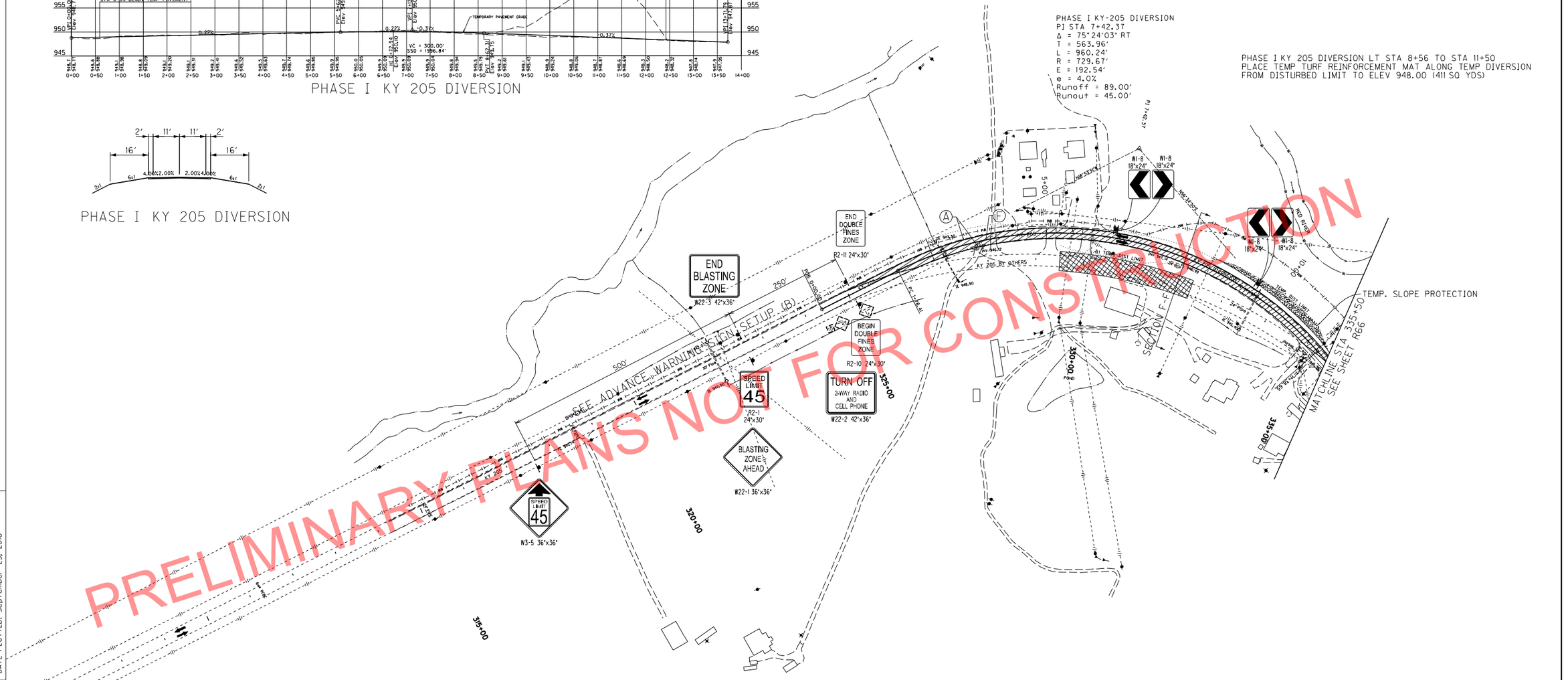

PHASE I KY 205 DIVERSION




PHASE I KY 205 DIVERSION

PHASE I KY-205 DIVERSION
PI STA 7+42.37
Δ = 75°24'03" RT
T = 563.96'
L = 960.24'
R = 729.67'
E = 192.54'
e = 4.0%
Runoff = 89.00'
Runout = 45.00'

PHASE I KY 205 DIVERSION LT STA 8+56 TO STA 11+50
PLACE TEMP TURF REINFORCEMENT MAT ALONG TEMP DIVERSION
FROM DISTURBED LIMIT TO ELEV 948.00 (411 SQ YDS)




PRELIMINARY PLANS NOT FOR CONSTRUCTION

NOTE: SEE SHEETS R72 FOR CRITICAL SECTIONS
SEE SHEETS R73 - R83 FOR DIVERSION SECTIONS

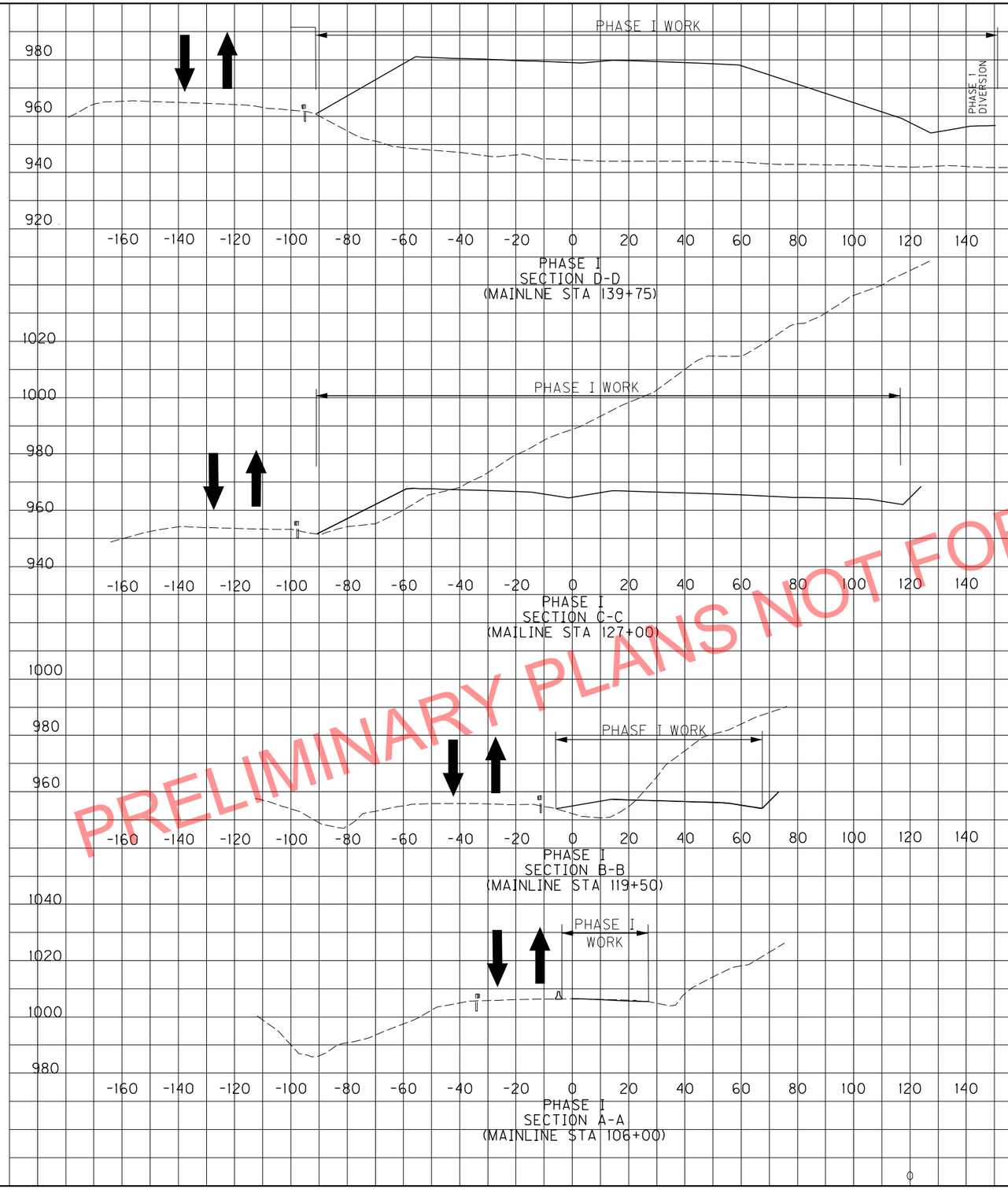
SCALE: 1"=100'

0' 100' 200' 400'

KY 205 PHASE I
MAINTENANCE OF TRAFFIC SHEET
STA 306+71.34 TO STA 335+50

MicroStation v8.11.9.832
E-SHEET NAME: R08800MT
USER: jhieronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0T100MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R72 |




PHASE I
SECTION D-D
(MAINLNE STA 139+75)



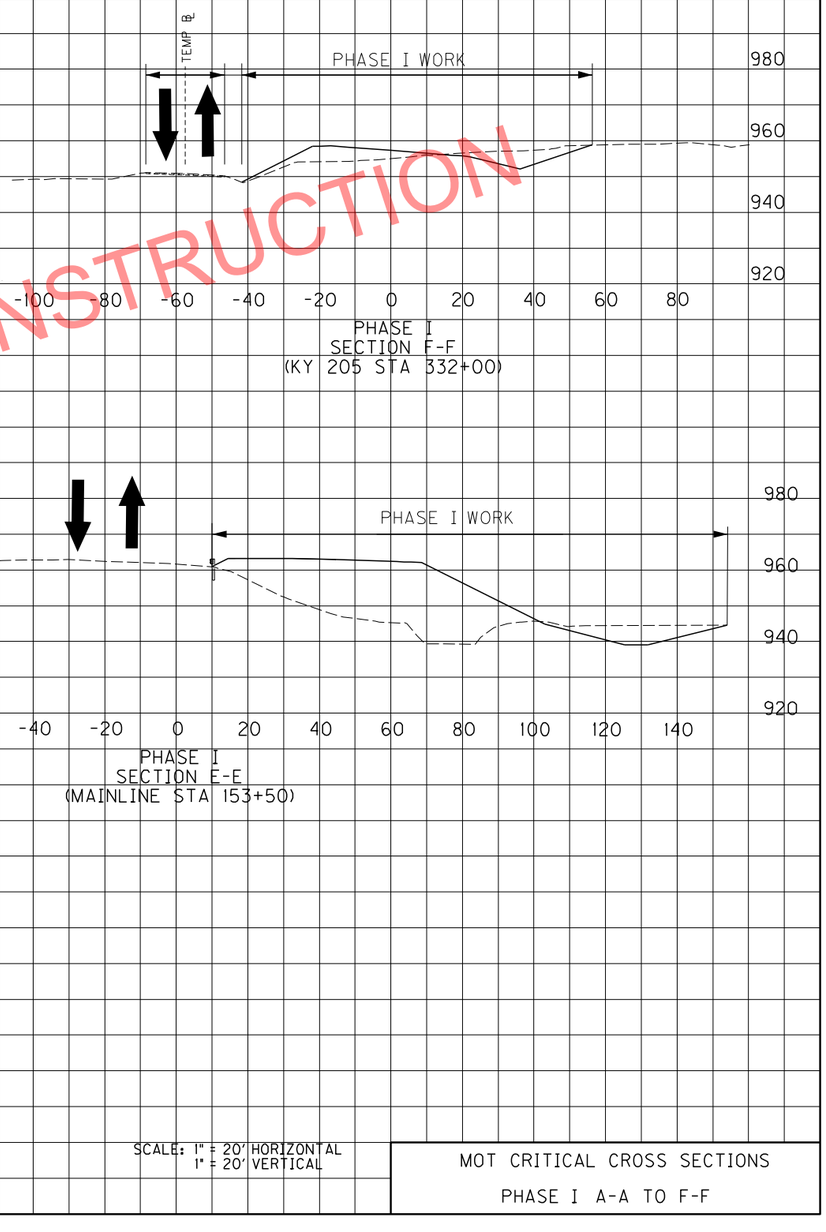

PHASE I
SECTION C-C
(MAILINE STA 127+00)




PHASE I
SECTION B-B
(MAINLINE STA 119+50)




PHASE I
SECTION A-A
(MAINLINE STA 106+00)




PHASE I
SECTION F-F
(KY 205 STA 332+00)




PHASE I
SECTION E-E
(MAINLINE STA 153+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

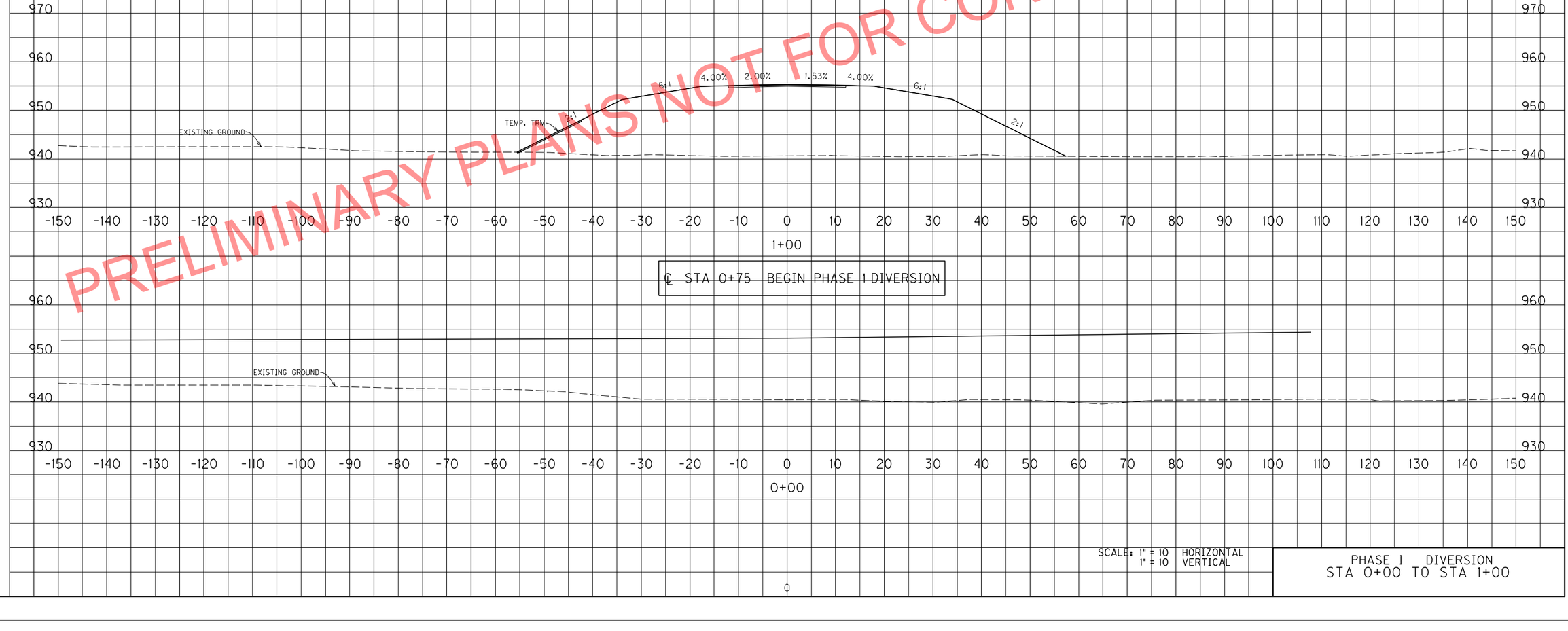
MOT CRITICAL CROSS SECTIONS
PHASE I A-A TO F-F

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0720OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0890OMT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R73 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I DIVERSION
STA 0+00 TO STA 1+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R073OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R09000MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R74 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I DIVERSION
STA 2+00 TO STA 3+00

MicroStation v8.11.9.832
E-SHEET NAME: R09100MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0740OMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R75 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION



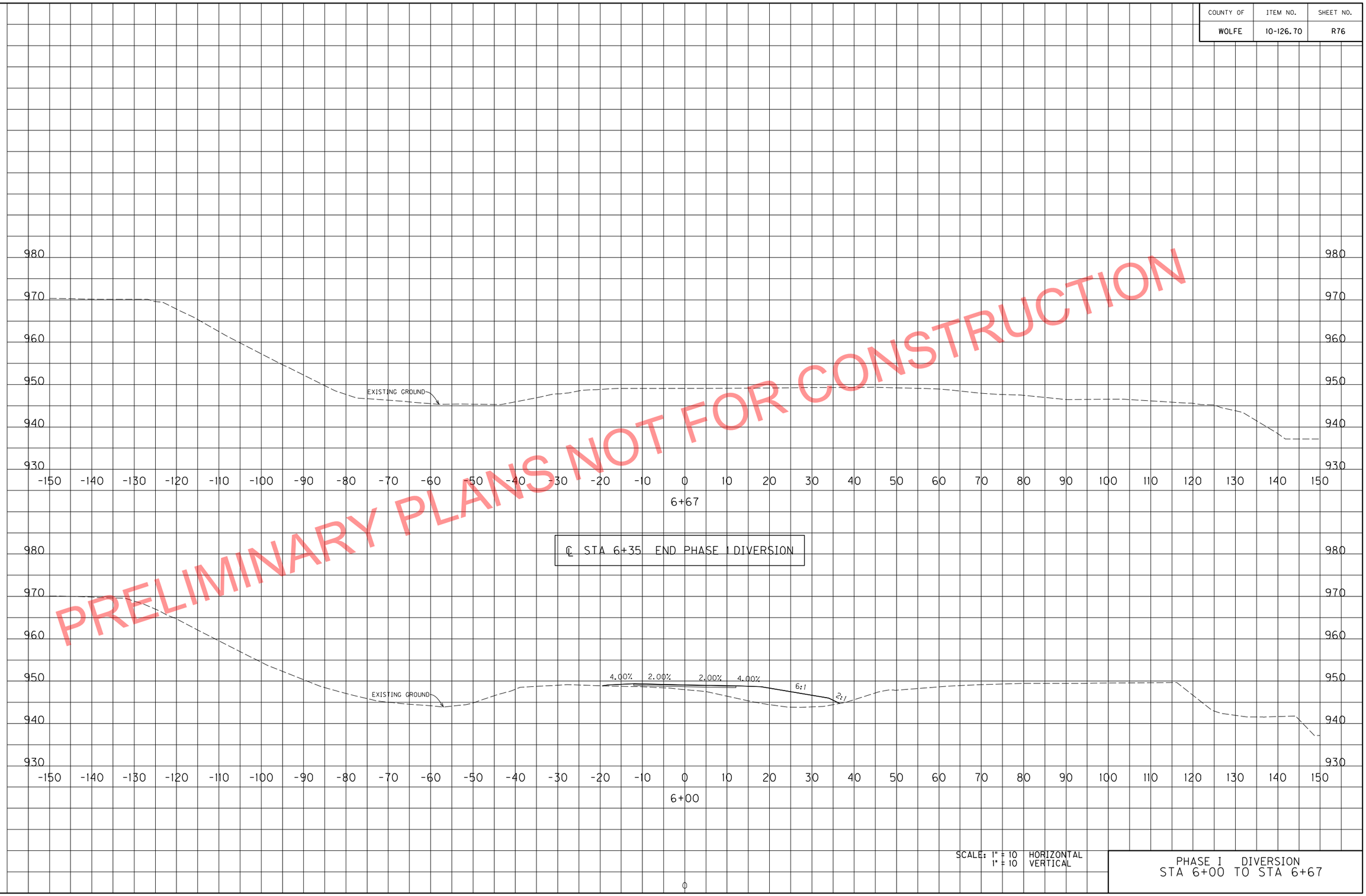

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I DIVERSION
STA 4+00 TO STA 5+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R075OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R092OOMT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R76 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

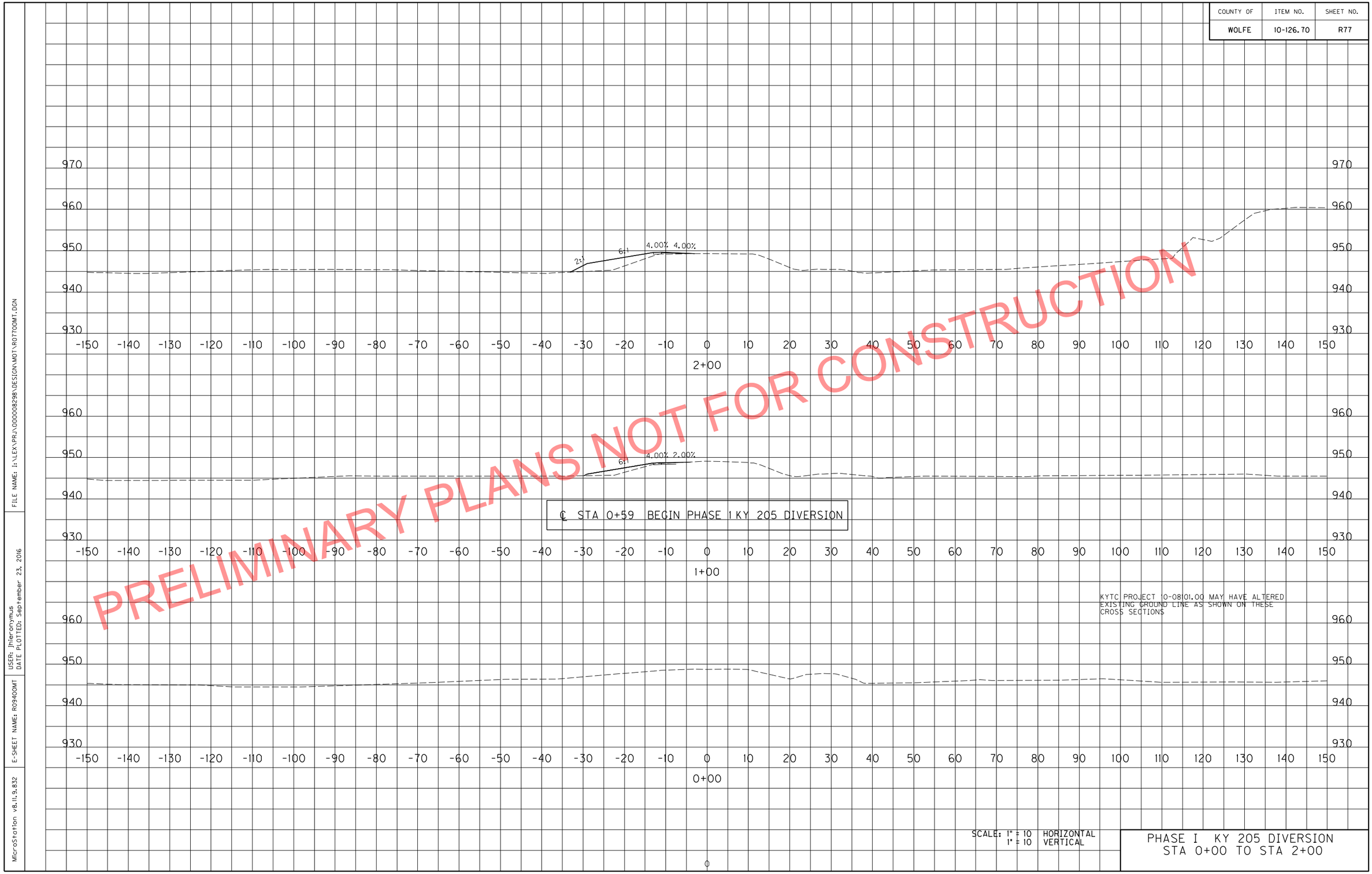



SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I DIVERSION
STA 6+00 TO STA 6+67

FILE NAME: I:\LEX\PRJ\000008298\DESIGN\MOT\R076DOMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R09300MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R77 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

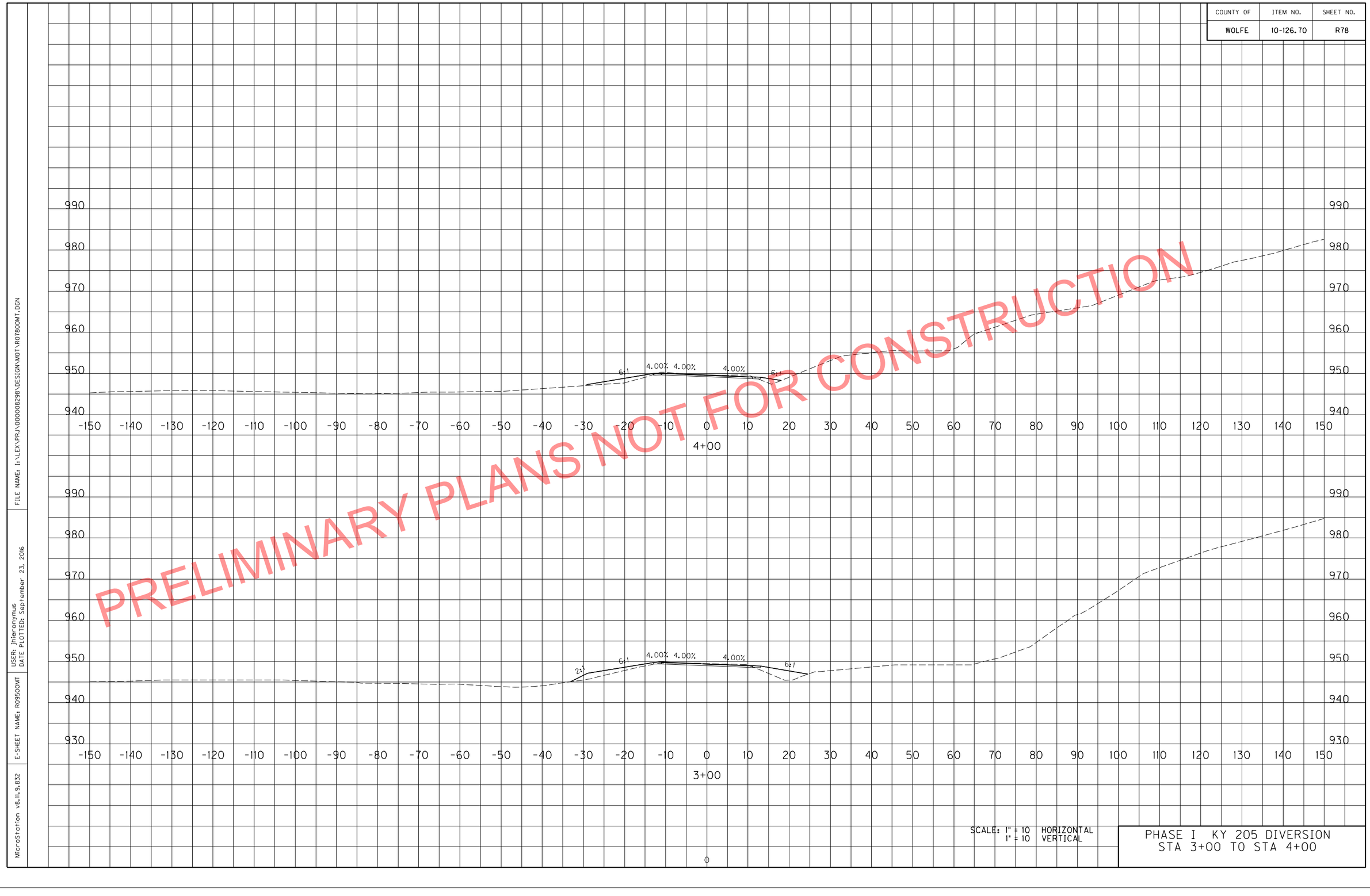
KYTC PROJECT 10-0810.00 MAY HAVE ALTERED EXISTING GROUND LINE AS SHOWN ON THESE CROSS SECTIONS

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I KY 205 DIVERSION
STA 0+00 TO STA 2+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R077OMT.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R09400MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R78 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

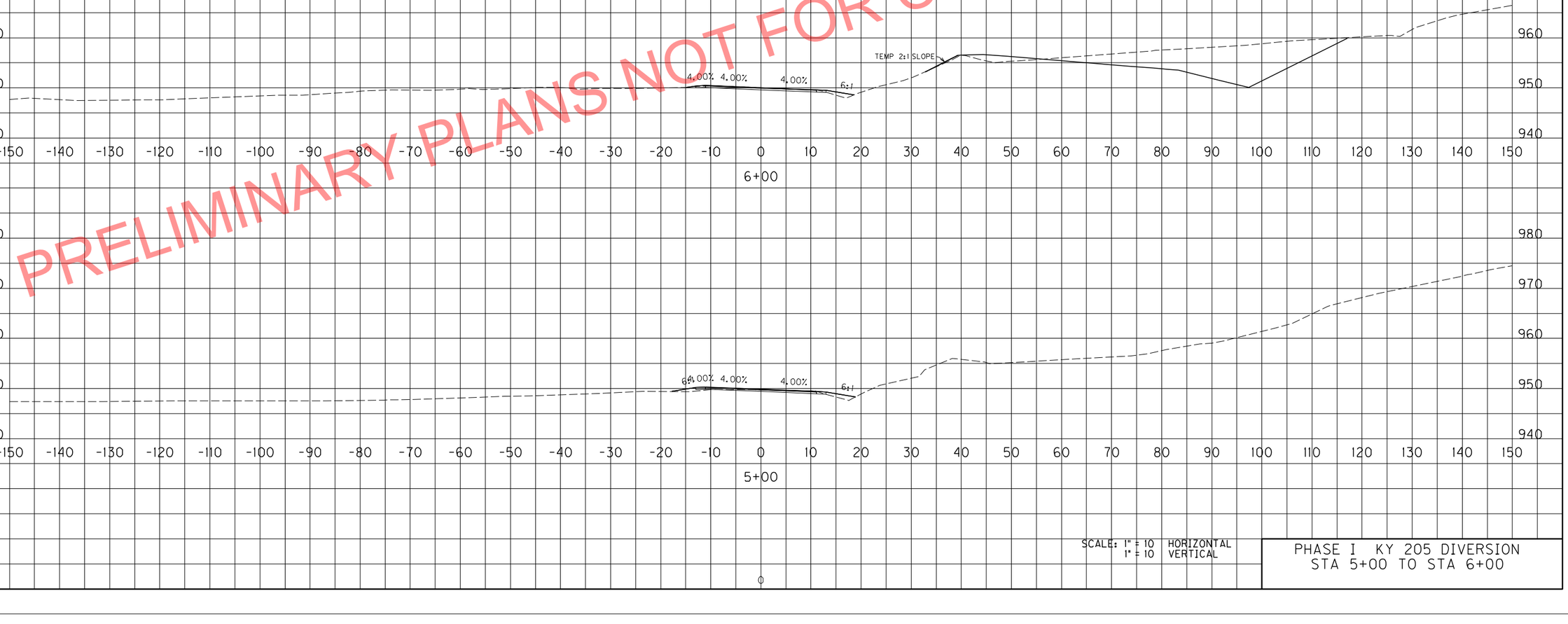
SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I KY 205 DIVERSION
STA 3+00 TO STA 4+00

MicroStation v8.11.9.832
E-SHEET NAME: R09500MT
USER: Jnteronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\000008298\DESIGN\MOT\R0780MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R79 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I KY 205 DIVERSION
STA 5+00 TO STA 6+00

MicroStation v8.11.9.832
E-SHEET NAME: R0960DMT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0790DMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R80 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I KY 205 DIVERSION
STA 7+00 TO STA 8+00

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R08000MT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R09TOOMT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R81 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I KY 205 DIVERSION
STA 9+00 TO STA 10+00

MicroStation v8.11.9.832
E-SHEET NAME: R09800MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R08100MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R82 |

℄ STA 12+43 END PHASE 1 KY 205 DIVERSION

PRELIMINARY PLANS NOT FOR CONSTRUCTION



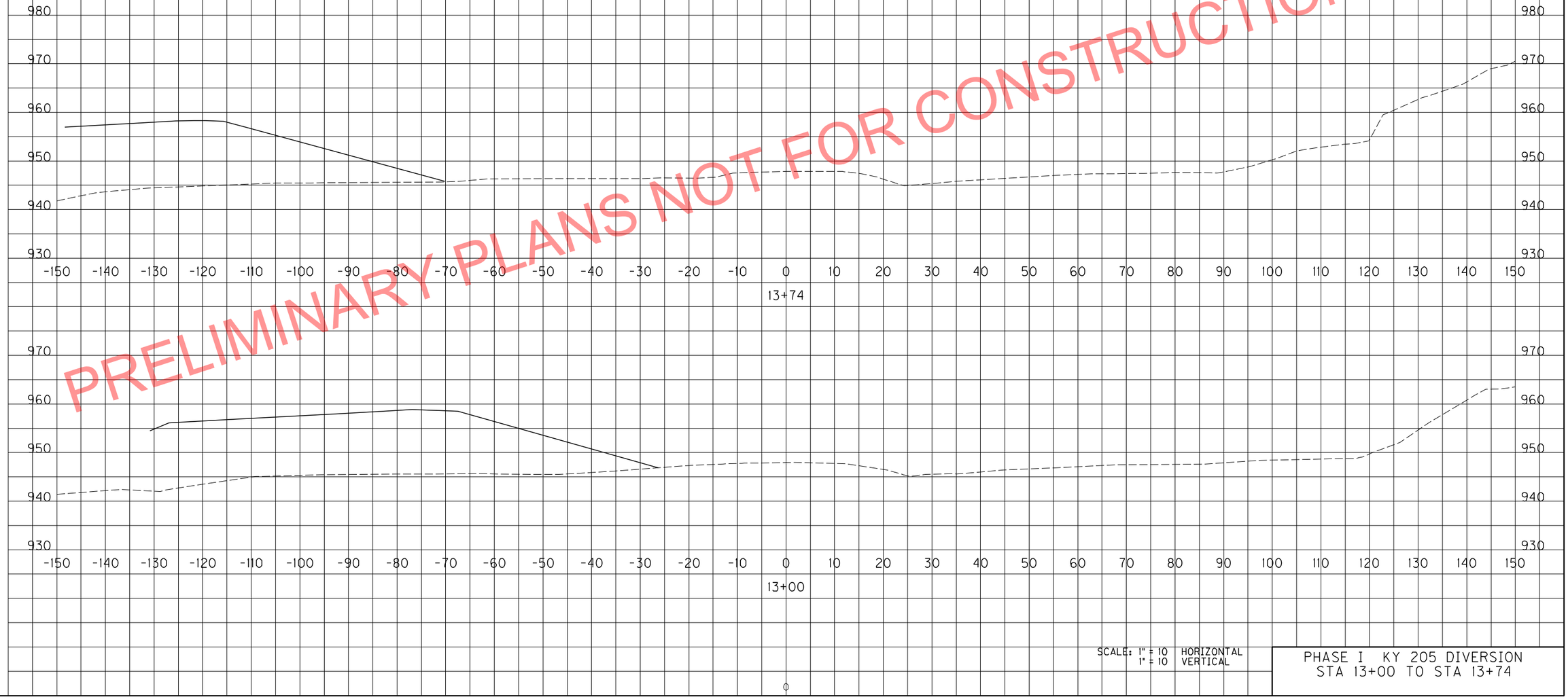

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I KY 205 DIVERSION
STA 11+00 TO STA 12+00

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R0820MT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R09900MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R83 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE I KY 205 DIVERSION
STA 13+00 TO STA 13+74

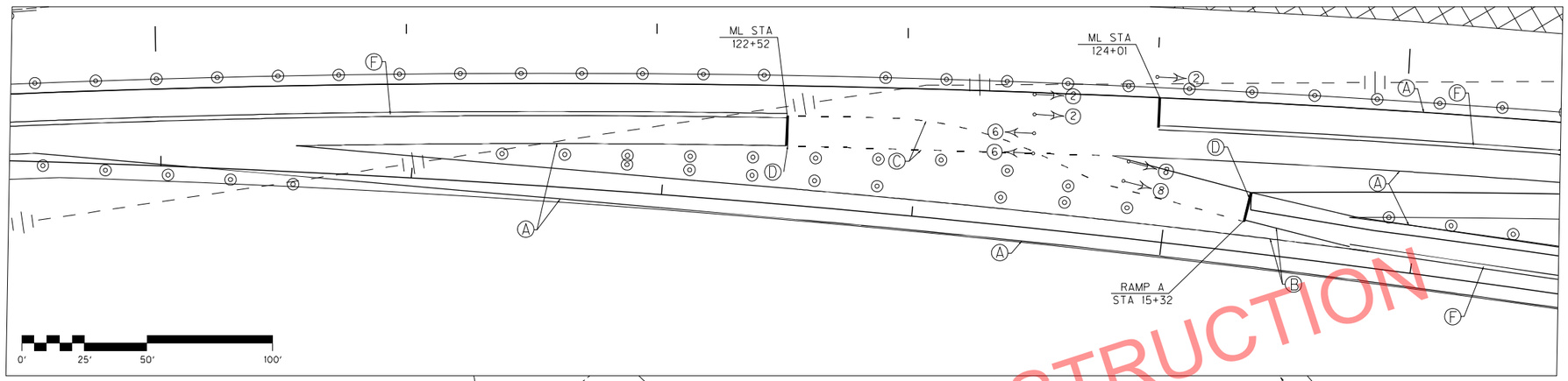
MicroStation v8.11.9.832
E-SHEET NAME: R10000MT
USER: Jmteronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R083OMT.DGN

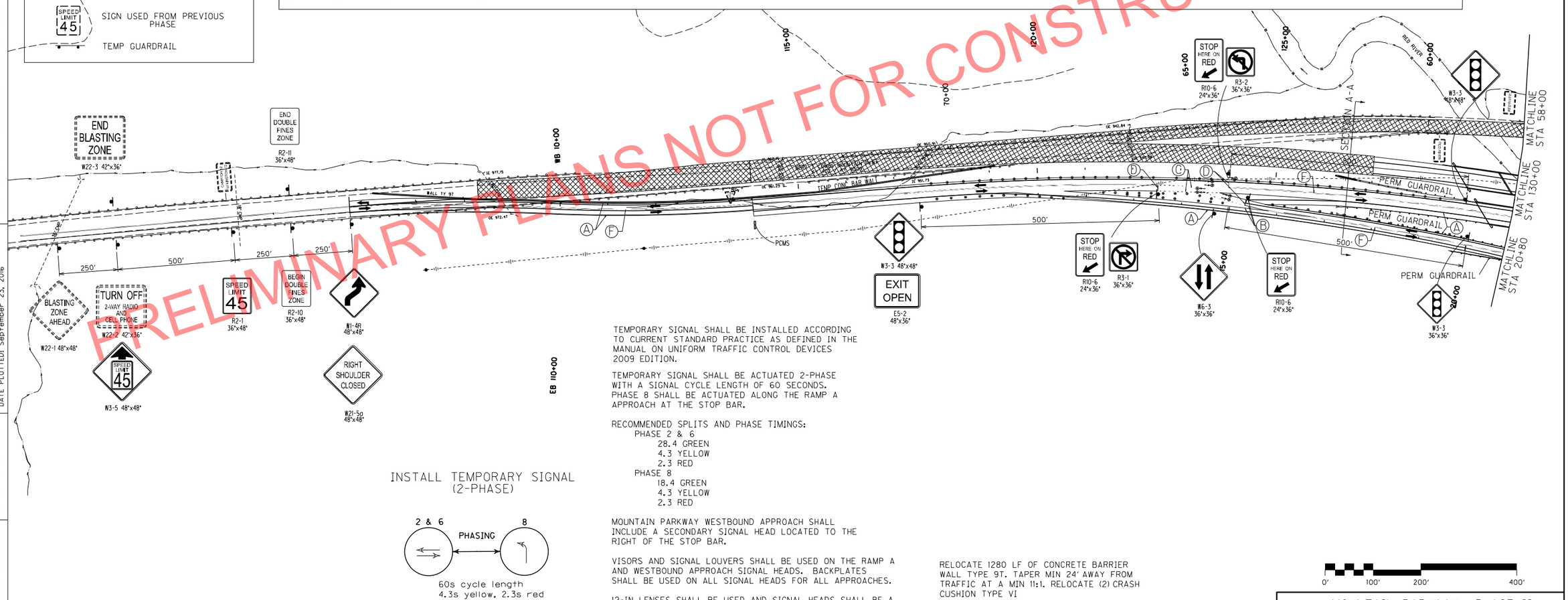
# PHASE II MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R84 |

## LEGEND

- CHANNELIZATION DRUMS
- CONSTRUCT THIS PHASE
- BARRICADE TY III
- CONSTRUCT TEMPORARY PAVEMENT
- (A) TEMP SOLID WHITE LINE
- (B) TEMP SOLID YELLOW LINE
- (C) TEMP BROKEN WHITE LINE
- (D) TEMP SOLID WHITE STOP BAR
- (E) TEMP DOTTED WHITE LINE
- (F) TEMP DOUBLE SOLID YELLOW CENTER LINE
- TRAFFIC THIS PHASE
- SPEED LIMIT 45 — SIGN THIS PHASE
- SPEED LIMIT 45 — SIGN USED FROM PREVIOUS PHASE
- TEMP GUARDRAIL




## INSTALL TEMPORARY SIGNAL (2-PHASE)




TEMPORARY SIGNAL SHALL BE INSTALLED ACCORDING TO CURRENT STANDARD PRACTICE AS DEFINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009 EDITION.

TEMPORARY SIGNAL SHALL BE ACTUATED 2-PHASE WITH A SIGNAL CYCLE LENGTH OF 60 SECONDS. PHASE 8 SHALL BE ACTUATED ALONG THE RAMP A APPROACH AT THE STOP BAR.

RECOMMENDED SPLITS AND PHASE TIMINGS:

- PHASE 2 & 6
  - 28.4 GREEN
  - 4.3 YELLOW
  - 2.3 RED
- PHASE 8
  - 18.4 GREEN
  - 4.3 YELLOW
  - 2.3 RED

MOUNTAIN PARKWAY WESTBOUND APPROACH SHALL INCLUDE A SECONDARY SIGNAL HEAD LOCATED TO THE RIGHT OF THE STOP BAR.

VISORS AND SIGNAL LOUVERS SHALL BE USED ON THE RAMP A AND WESTBOUND APPROACH SIGNAL HEADS. BACKPLATES SHALL BE USED ON ALL SIGNAL HEADS FOR ALL APPROACHES.

12-IN LENSES SHALL BE USED AND SIGNAL HEADS SHALL BE A MINIMUM OF 50' BEYOND THE STOB BAR FOR EACH APPROACH AND NOT MORE THAN 180'.

RELOCATE 1280 LF OF CONCRETE BARRIER WALL TYPE 9T. TAPER MIN 24' AWAY FROM TRAFFIC AT A MIN 11:1. RELOCATE (2) CRASH CUSHION TYPE VI

NOTE: SEE SHEET R91 FOR CRITICAL SECTION

SCALE: 1"=100'

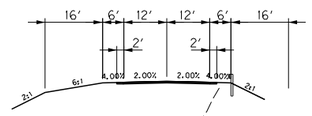
MOUNTAIN PARKWAY PHASE II
MAINTENANCE OF TRAFFIC SHEET
STA 105+59.89 TO STA 130+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

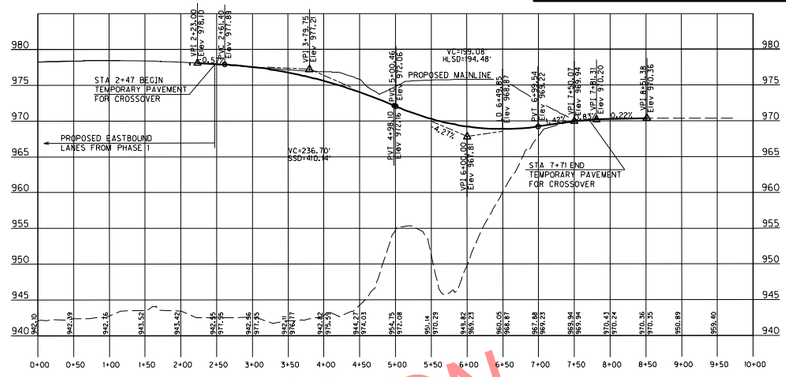
FILE NAME: I:\LEX\PRJ\0000829B\DESIGN\MOT\R0840MT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R0840MT
MicroStation v8.11.9.832

# PHASE II MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R85 |



PHASE II CROSSOVER



PHASE II CROSSOVER

PRELIMINARY PLANS NOT FOR CONSTRUCTION

END BLASTING ZONE
W22-3 42"x36"
END DOUBLE FINES ZONE
R2-11 24"x30"
500'
250'
SPEED LIMIT 45
R2-1 24"x30"
BEGIN DOUBLE FINES ZONE
R2-10 24"x30"
BLASTING ZONE AHEAD
W22-1 36"x36"
TURN OFF
2-WAY RADIO AND CELL PHONE
W22-2 42"x36"
SPEED LIMIT 45
500' IN ADVANCE
W3-5 36"x36"

M4-10L 48"x18"
DETOUR
(2) R11-2 48"x30"
ROAD CLOSED
END DOUBLE FINES ZONE
R2-11 24"x30"
W1-4L 48"x48"
W13-1P 30"x30"
35 MPH
R2-10 36"x48"
BEGIN DOUBLE FINES ZONE
W1-4L 48"x48"
W13-1P 30"x30"
35 MPH
TEMPORARY PROTECTION
WEST M3-4 36"x18"
MOUNTAIN PARKWAY
RELOCATED EXISTING SIGN
W16-5P 24"x18"
WEST M3-4 36"x18"
MOUNTAIN PARKWAY
RELOCATED EXISTING SIGN
W16-5P 24"x18"
W3-1 36"x36"
STOP
R1-1 30"x30"
ROAD CLOSED
(4) R11-2 48"x30"

BERT T COMBS MOUNTAIN PKWY KY 402 / KY 9009
KY 205 / KY 3172 (KY 191)
STATE ROAD FORK
RED RIVER
TEMP. GUARDRAIL
PERM GUARDRAIL
PCMS
MATCHLINE STA 58+00
MATCHLINE STA 130+00
MATCHLINE STA 20+80
MATCHLINE STA 155+00
MATCHLINE STA 335+50 SEE SHEET R90
340+00
360+00 355+00 350+00 345+00 330+00 325+00 55+00 50+00 45+00 40+00 35+00 30+00 25+00 20+00 15+00 60+00

| PHASE II-XOVER | PHASE II-XOVER |
|---|---|
| PI STA 4+29.03 | PI STA 7+04.01 |
| Δ = 18°36'33" LT | Δ = 34°11'04" RT |
| T = 97.17' | T = 180.50' |
| L = 190.65' | L = 350.22' |
| R = 587.00' | R = 587.00' |
| E = 7.83' | E = 27.12' |
| e = 4% | e = 2.2% |
| Runoff = 83.00' | Runoff = 46.00' |
| Runout = 42.00' | Runout = 45.00' |

RT MAINLINE STA 132+31 TO STA 134+55
CONST 225 LF OF TEMPORARY GUARDRAIL
AT 11:1 WITH (1) GUARDRAIL END CONNECTION
TYPE A AND (1) END TREATMENT TY 4A.

LT RAMP A STA 23+39.5 TO STA 25+37.6
CONST 200 LF OF TEMPORARY GUARDRAIL
AT 11:1 WITH (1) GUARDRAIL END CONNECTION
TYPE A AND (1) END TREATMENT TY 4A

RT PHASE II X-OVER CONST 603 LF OF TEMP GUARDRAIL
(UTILIZE PERM AND EXISTING BRIDGE END CONNECTORS)

NOTE: SEE SHEETS R91 - R94 FOR CROSS OVER SECTIONS

TEMPORARY PROTECTION

LT PHASE II CROSSOVER STA 2+85 RELOCATE
120 LF OF TEMPORARY BARRIER WALL (1) CRASH
CUSHION TYPE VII BT TL3 S (1.53 CUYD CONC CLASS
AA)

SCALE: 1"=100'

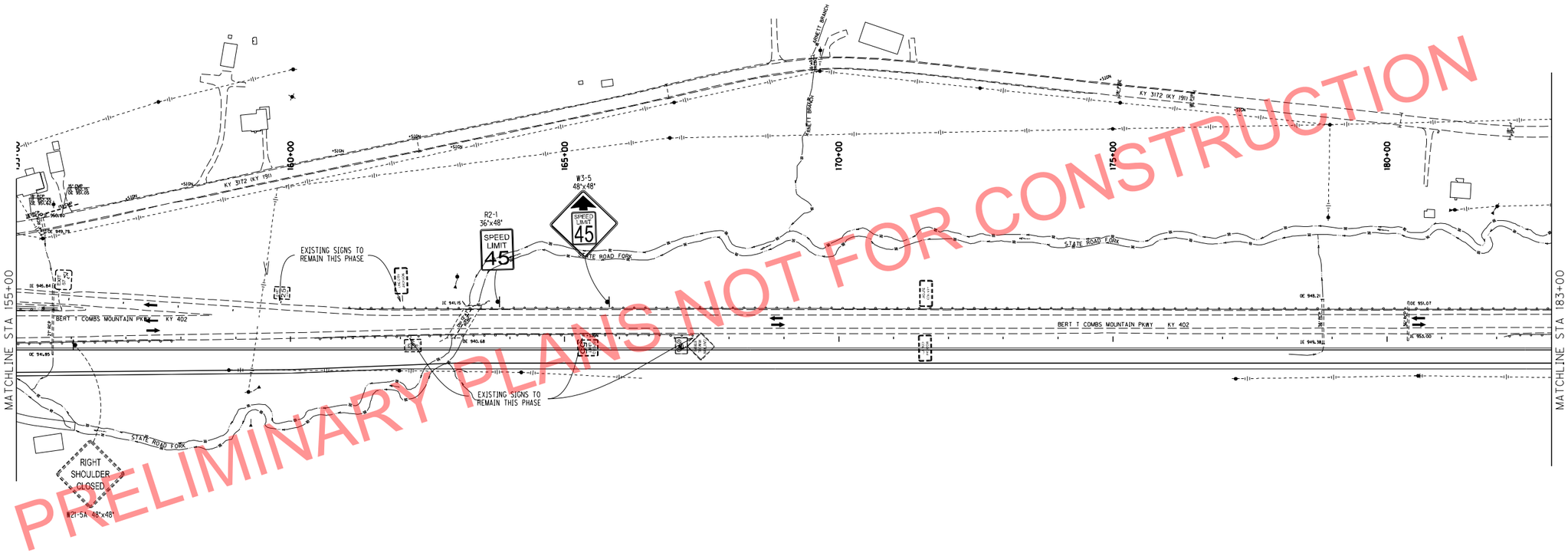
0' 100' 200' 400'

MOUNTAIN PARKWAY PHASE II
MAINTENANCE OF TRAFFIC SHEET
STA 130+00 TO STA 155+00

MicroStation v8.11.9.832
E-SHEET NAME: R1020MT
USER: BCOOMES
DATE PLOTTED: September 23, 2016
FILE NAME: I:\EX\PRJ\0000082981DESIGN\MOT\R0850MT.DGN

# PHASE II MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE<br>MORGAN | 10-126.70 | R86 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

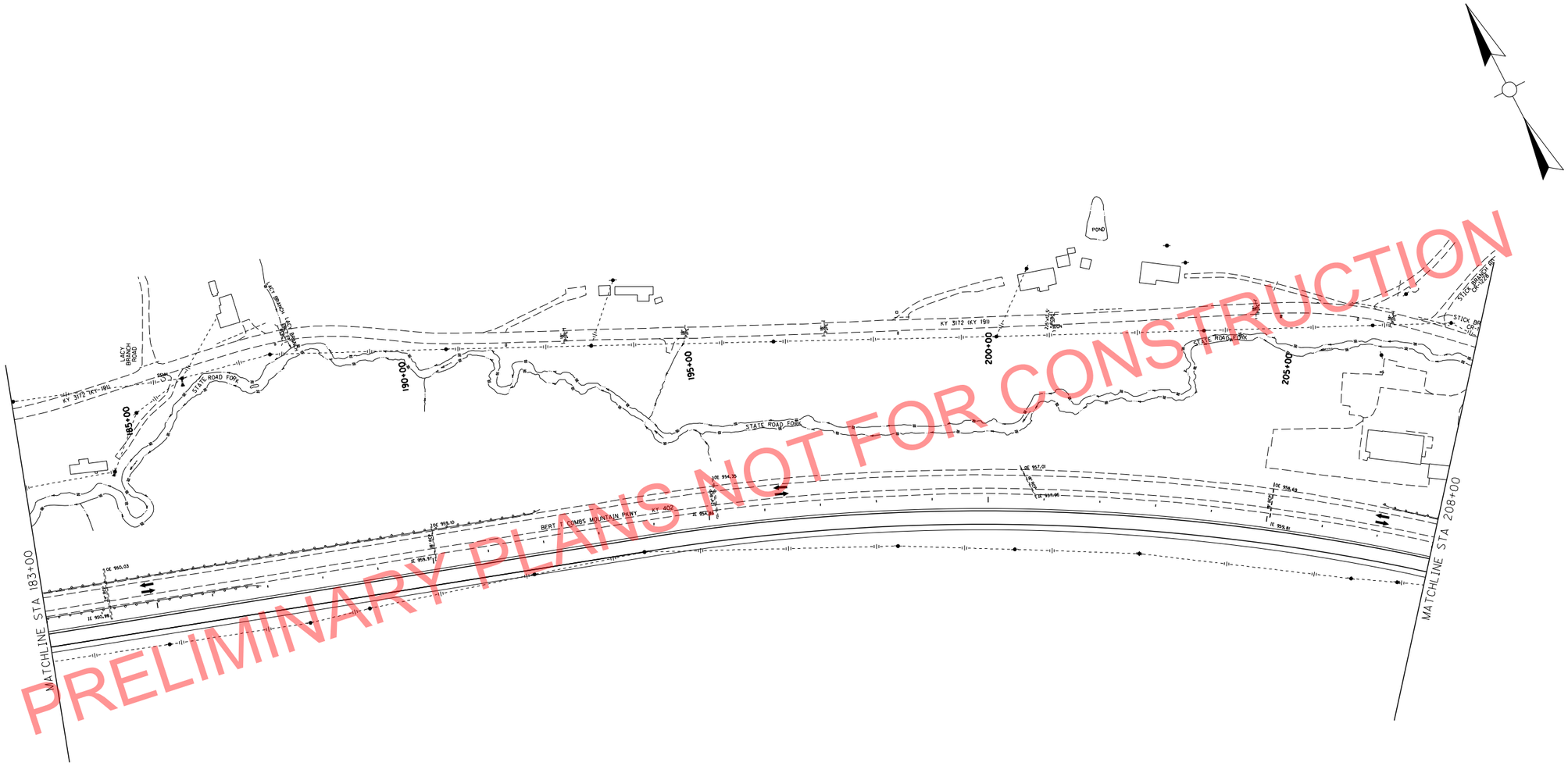
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE II
MAINTENANCE OF TRAFFIC SHEET
STA 155+00 TO STA 183+00

MicroStation v8.11.9.714
E-SHEET NAME: R10300MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\EX\PRJ\0000008298\DESIGN\MOT\R0860OMT.DGN

# PHASE II MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R87 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

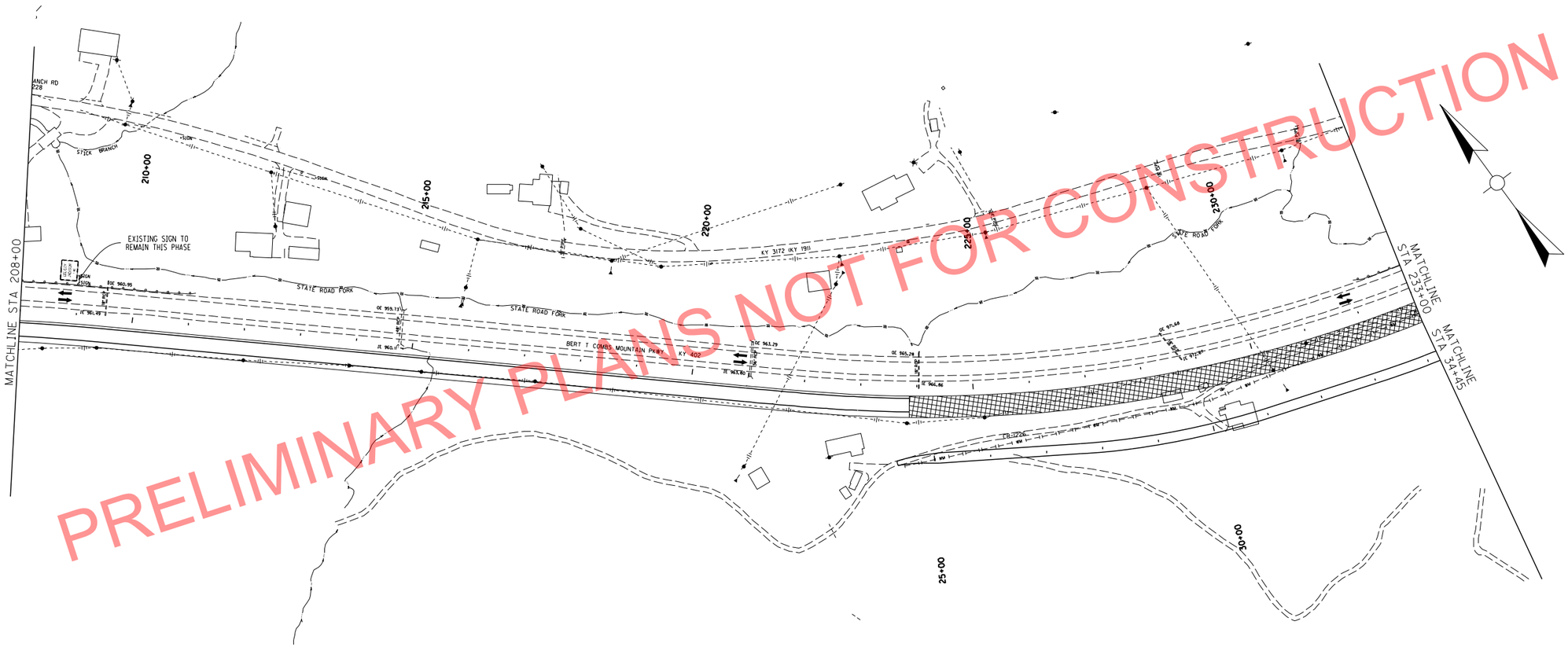
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE II
MAINTENANCE OF TRAFFIC SHEET
STA 183+00 TO STA 208+00

MicroStation v8.11.9.832
E-SHEET NAME: R1040MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R087OMT.DGN

# PHASE II MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R88 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

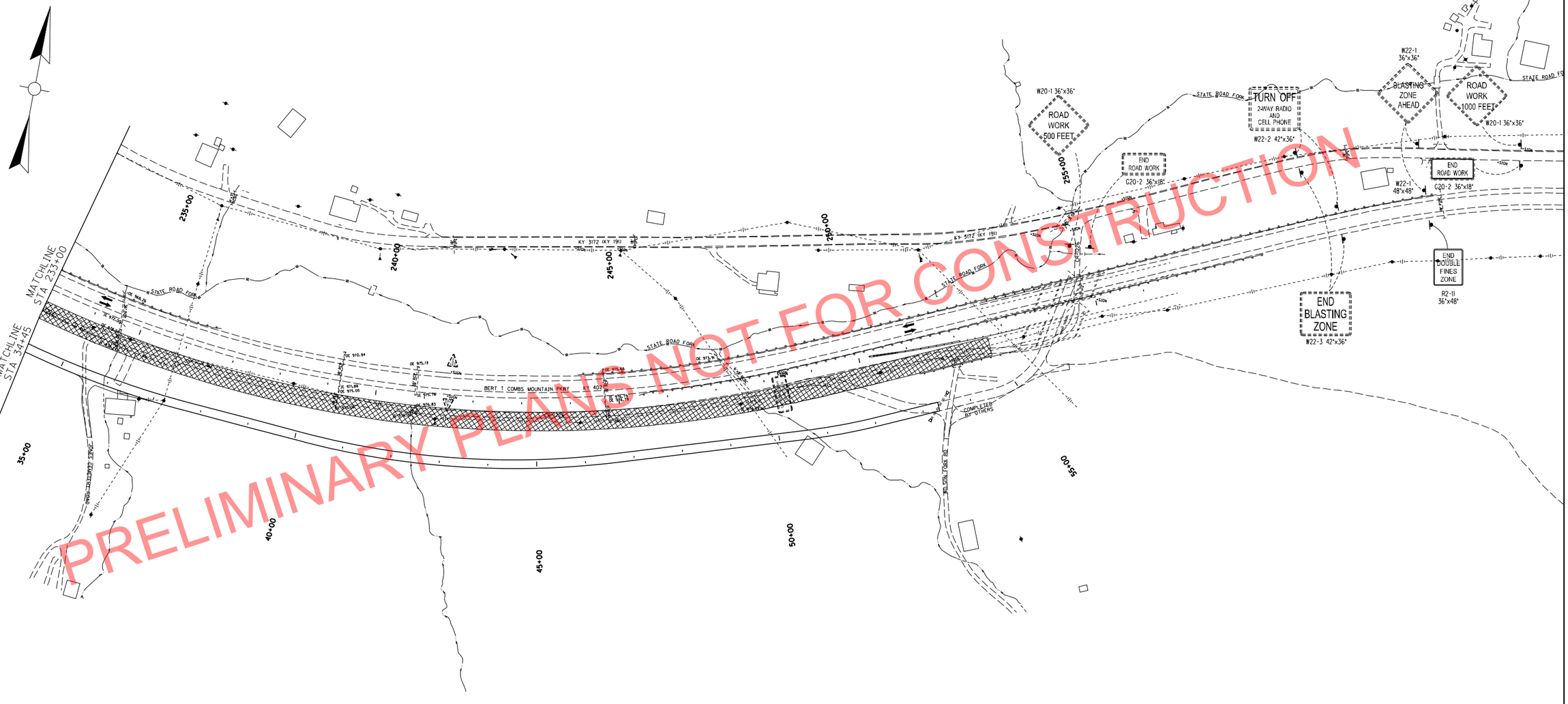
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE II
MAINTENANCE OF TRAFFIC SHEET
STA 208+00 TO STA 233+00

FILE NAME: I:\LEX\PRJ\0000082980\DESIGN\MOT\R0880MT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R10500MT
MicroStation v8.11.9.832

# PHASE II MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R89 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

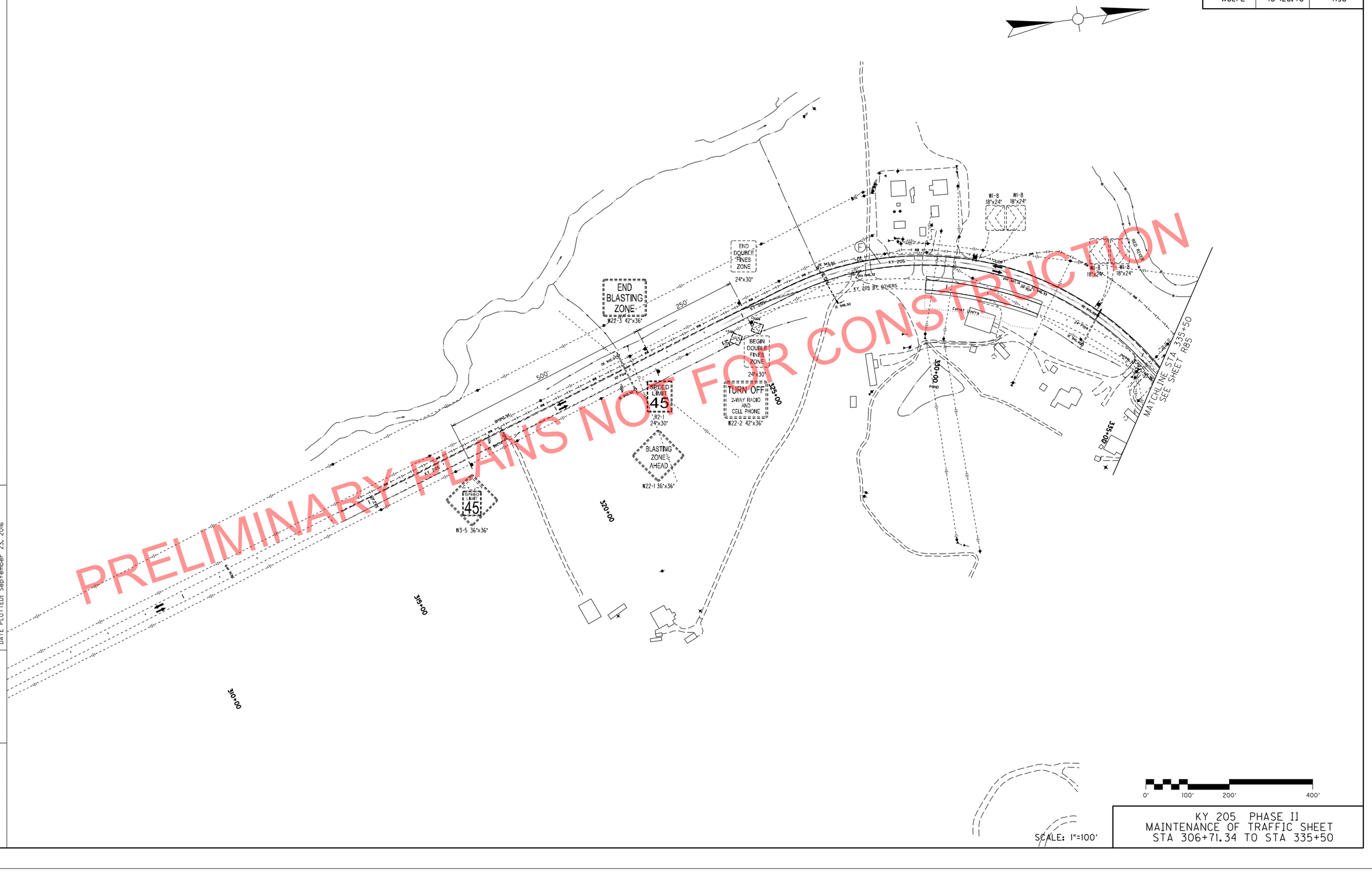
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE II
MAINTENANCE OF TRAFFIC SHEET
STA 233+00 TO STA 256+67.06

MicroStation v8.11.9.832
E-SHEET NAME: R1060MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\MOT\R0890MT.DGN

# PHASE II MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R90 |

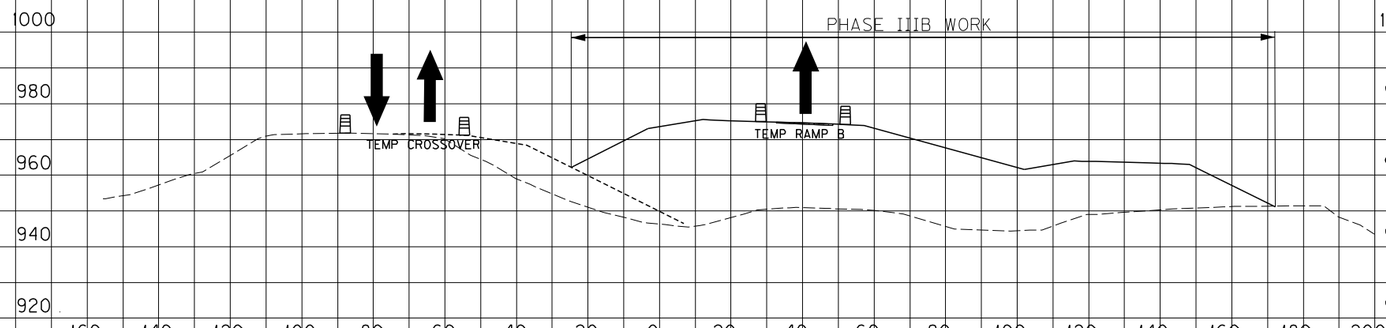



PRELIMINARY PLANS NOT FOR CONSTRUCTION

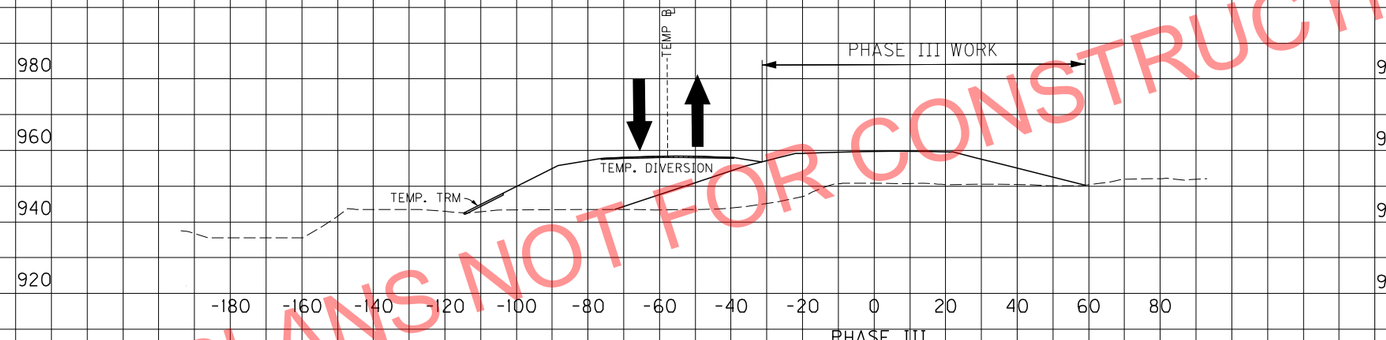
KY 205 PHASE II
MAINTENANCE OF TRAFFIC SHEET
STA 306+71.34 TO STA 335+50

MicroStation v8.11.9.832
E-SHEET NAME: R10700MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R09000MT.DGN

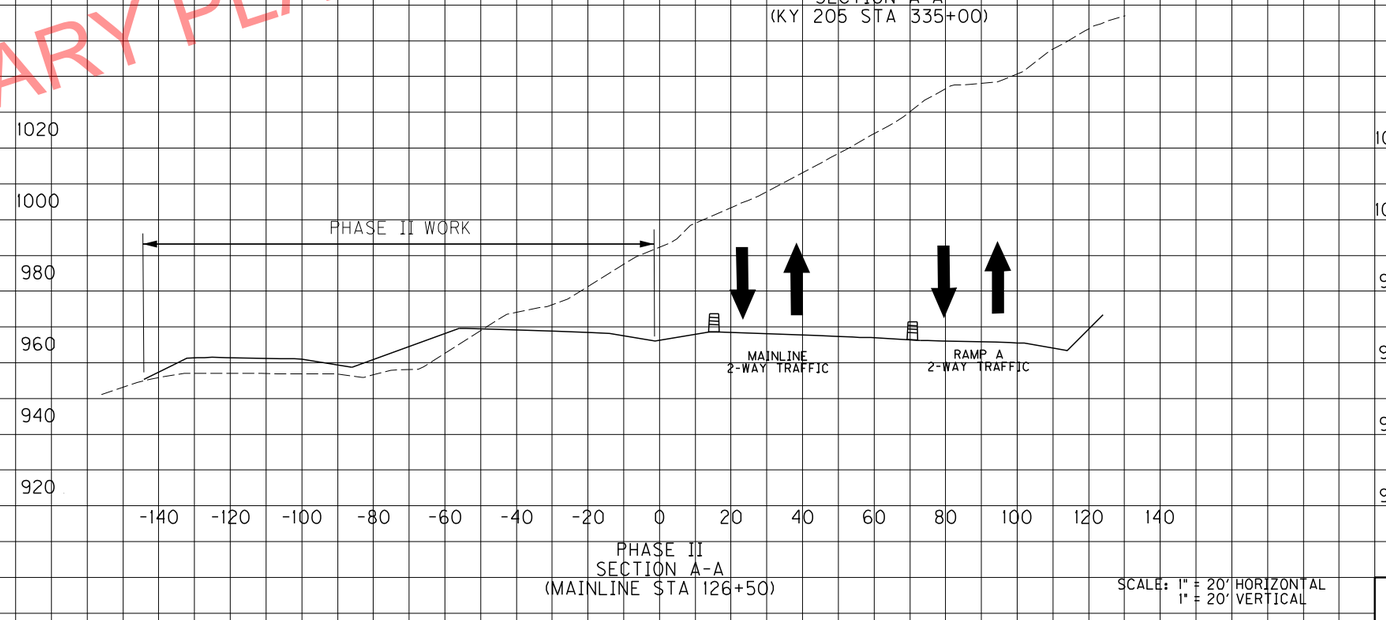
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R91 |




PHASE IIIB
SECTION A-A
(MAINLINE STA 144+50)




PHASE III
SECTION A-A
(KY 205 STA 335+00)




PHASE II
SECTION A-A
(MAINLINE STA 126+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

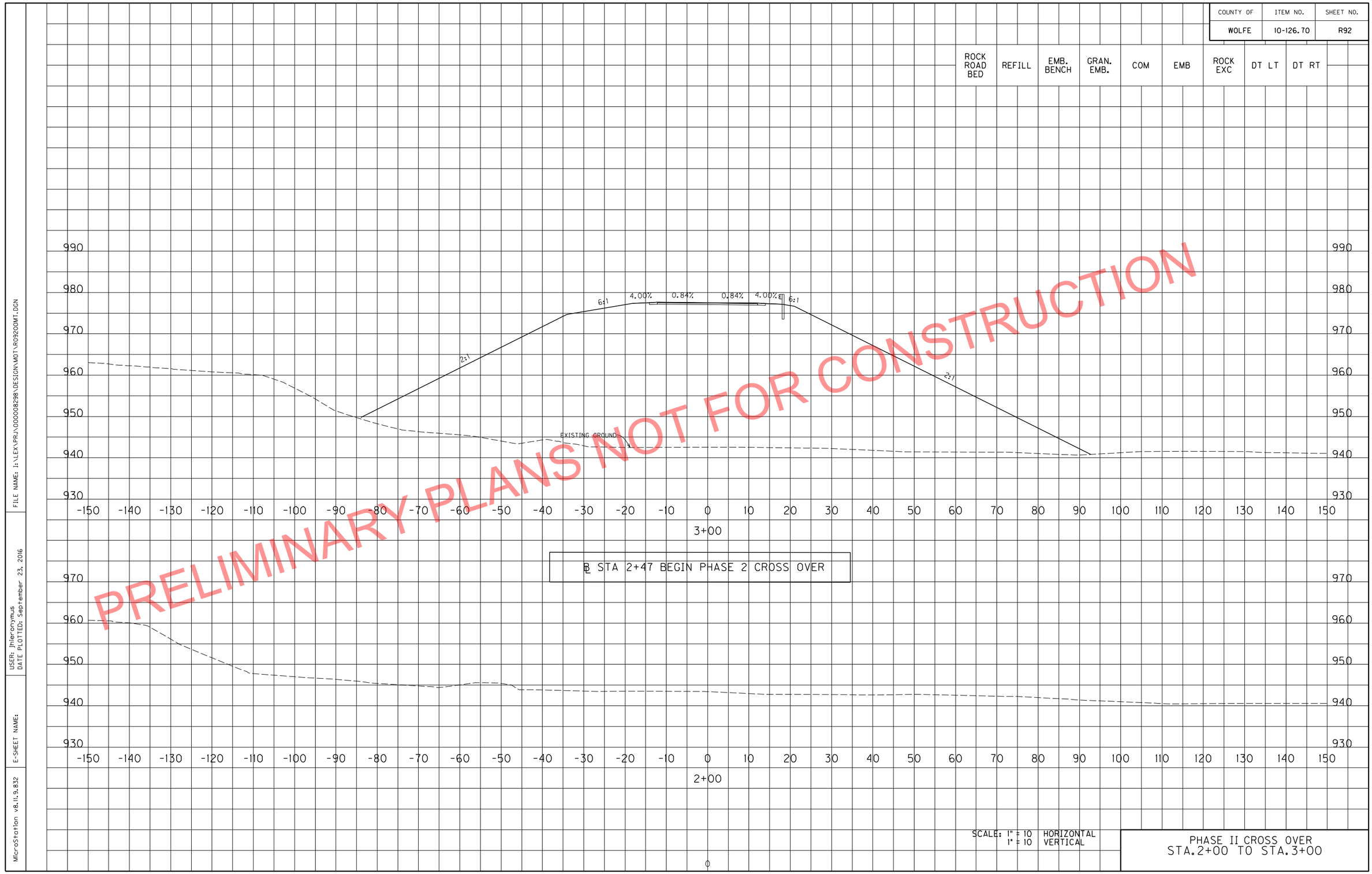
MOT CRITICAL CROSS SECTIONS
PHASE II A-A, PHASE III A-A
PHASE IIIB A-A

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0910OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R10800MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R92 |

| ROCK ROAD BED | REFILL | EMB. BENCH | GRAN. EMB. | COM | EMB | ROCK EXC | DT LT | DT RT |
|---|---|---|---|---|---|---|---|---|




PRELIMINARY PLANS NOT FOR CONSTRUCTION

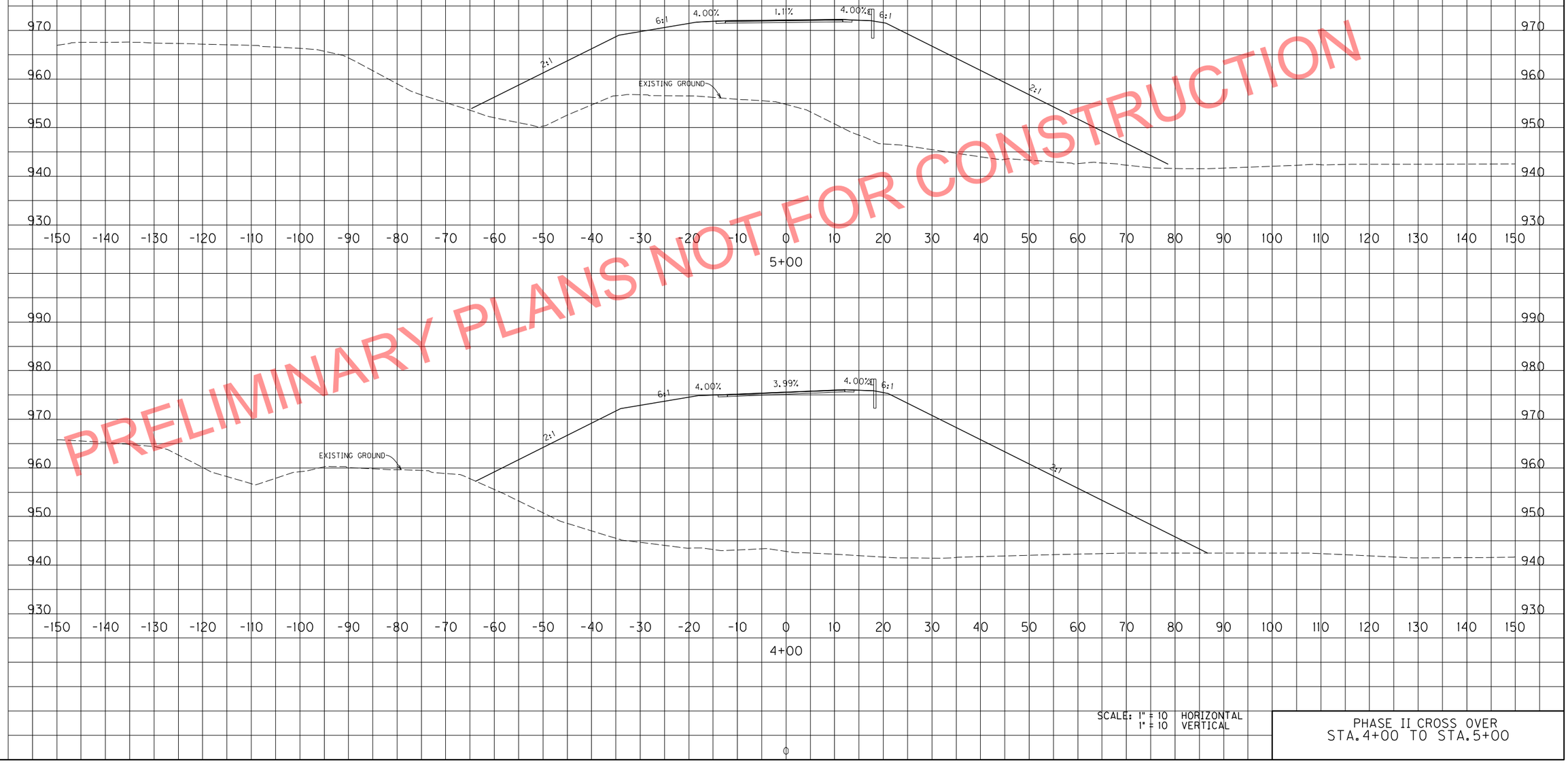
SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE II CROSS OVER
STA.2+00 TO STA.3+00

MicroStation v8.11.9.832
E-SHEET NAME:
USER: Jnteronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0920MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R93 |

| ROCK ROAD BED | REFILL | EMB. BENCH | GRAN. EMB. | COM | EMB | ROCK EXC | DT LT | DT RT |
|---|---|---|---|---|---|---|---|---|




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

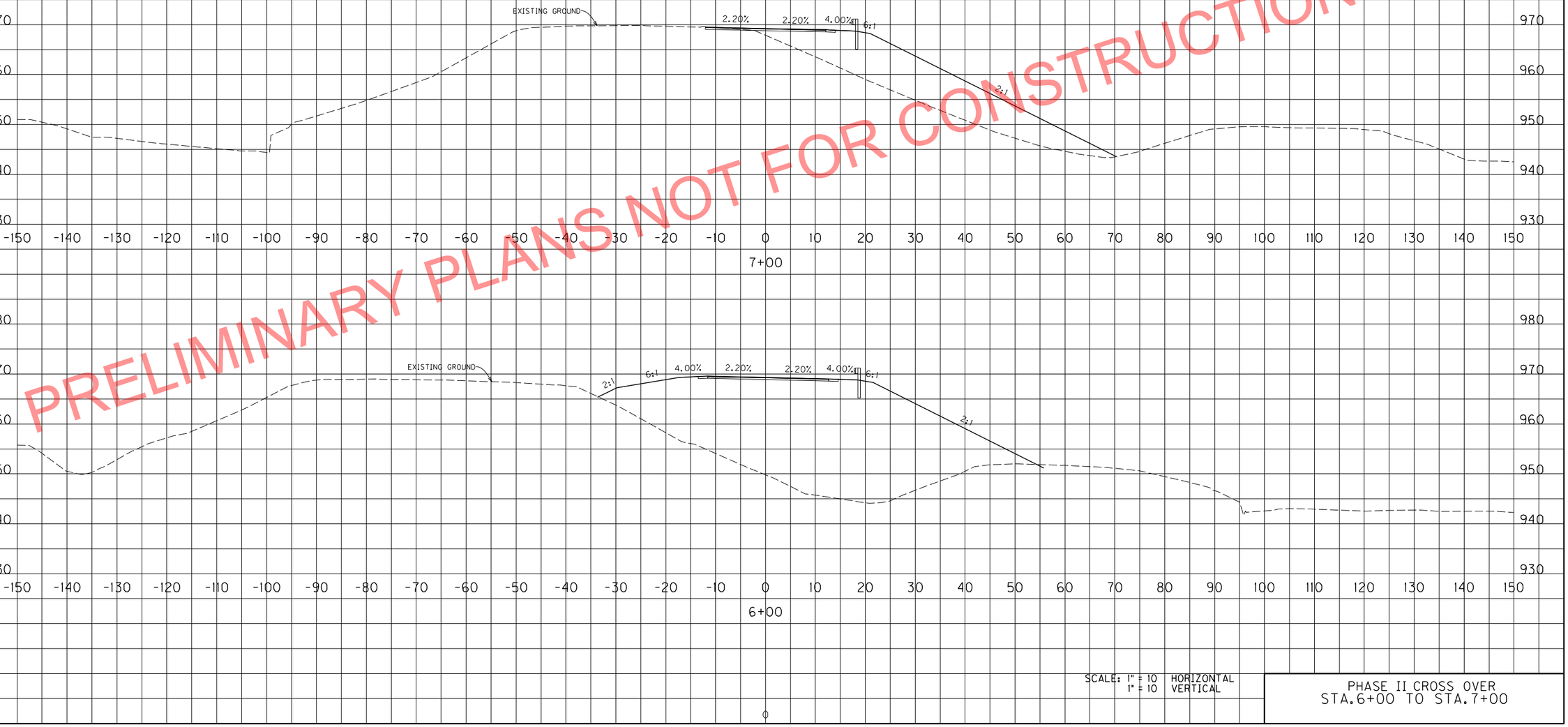
PHASE II CROSS OVER
STA. 4+00 TO STA. 5+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R093OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R94 |

| ROCK ROAD BED | REFILL | EMB. BENCH | GRAN. EMB. | COM | EMB | ROCK EXC | DT LT | DT RT |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

℄ STA 7+71 END PHASE 2 CROSS OVER




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE II CROSS OVER
STA.6+00 TO STA.7+00

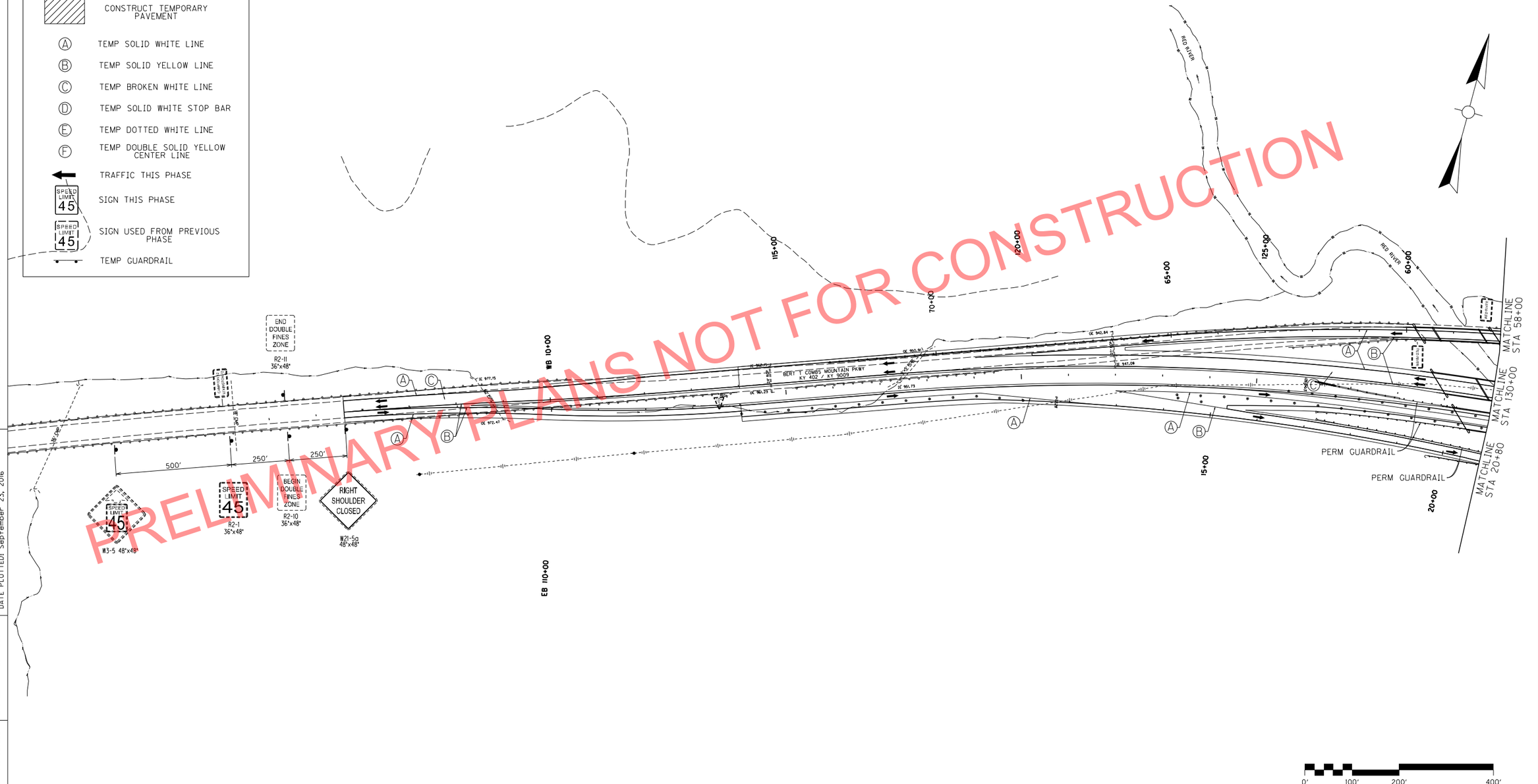
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R094OMT.DGN
USER: Jmteronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

# PHASE III MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R95 |

## LEGEND

- CHANNELIZATION DRUMS
- CONSTRUCT THIS PHASE
- BARRICADE TY III
- CONSTRUCT TEMPORARY PAVEMENT
- (A) TEMP SOLID WHITE LINE
- (B) TEMP SOLID YELLOW LINE
- (C) TEMP BROKEN WHITE LINE
- (D) TEMP SOLID WHITE STOP BAR
- (E) TEMP DOTTED WHITE LINE
- (F) TEMP DOUBLE SOLID YELLOW CENTER LINE
- TRAFFIC THIS PHASE
- SIGN THIS PHASE (SPEED LIMIT 45)
- SIGN USED FROM PREVIOUS PHASE (SPEED LIMIT 45)
- TEMP GUARDRAIL




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE III
MAINTENANCE OF TRAFFIC SHEET
STA 105+59.89 TO STA 130+00

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R0950MT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI1200MT
MicroStation v8.11.9.832

# PHASE III MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R96 |

PHASE III 205 /
PI STA 7+46.51
Δ = 29° 36'53" RT
T = 155.17'
L = 303.41'
R = 587'
E = 20.16'
e = 4%
Runoff = 91.00'
Runout = 45.00'

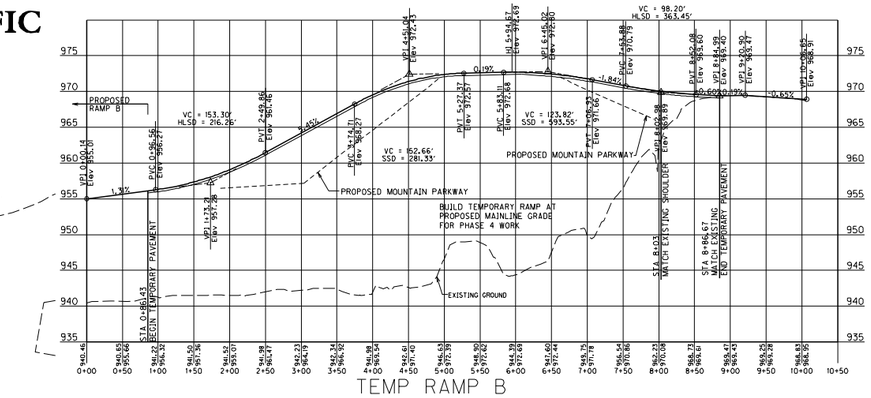
PHASE III 205
PI STA 11+29.86
Δ = 23°27'25" LT
T = 121.87'
L = 240.32'
R = 587'
E = 12.52'
e = 4%
Runoff = 91.00'
Runout = 45.00'

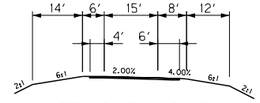
TEMP RAMP B
PI STA 1+57.31
Δ = 13°46'13" LT
T = 70.88'
L = 141.08'
R = 587'
E = 4.26'
e = 4%
Runoff = 91.00'
Runout = 45.00'

TEMP RAMP B /
PI STA 7+80.90
Δ = 26°36'34" RT
T = 234.11'
L = 459.78'
R = 587'
E = 27.30'
e = 4%
Runoff = 91.00'
Runout = 45.00'

PHASE III X-OVER
PI STA 3+89.83
Δ = 13°26'04" RT
T = 69.13'
L = 137.64'
R = 587'
E = 4.06'
e = 4%
Runoff = 83.00'
Runout = 42.00'

PHASE III X-OVER
PI STA 2+29.16
Δ = 18°01'07" LT
T = 93.07'
L = 184.60'
R = 587'
E = 7.33'
e = 2.2%
Runoff = 46.00'
Runout = 45.00'




PHASE III X-OVER LT STA 2+00 TO STA 4+80 CONST 285 LF OF TEMPORARY DITCH

PHASE III X-OVER LT CONST 650 LF OF TEMPORARY GUARDRAIL (UTILIZE EX AND PERM BRIDGE END CONNECTIONS)

PHASE III X-OVER STA 1+95 CONST 40 LF OF TEMPORARY 18" PIPE (REMOVE IN PHASE 4) AND (1) TEMP CATCH BASIN

PHASE III KY 205 DIVERSION LT STA 9+68 TO STA 11+21 PLACE TEMP TURF REINFORCEMENT MAT ALONG KY 205 DIVERSION FROM DISTURBED LIMIT TO ELEV 948.00 (81 SQ YDS)

PHASE III DIVERSION LT BEGIN TO END PLACE TEMP TURF REINFORCEMENT MAT ALONG TEMP DIVERSION FROM DISTURBED LIMIT TO ELEV 948.00 (460 SQ YDS)

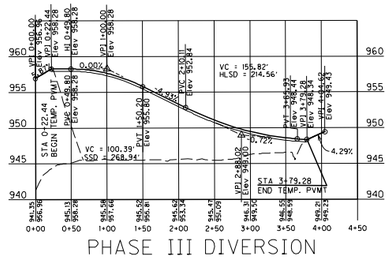
PHASE III DIVERSION LT CONST 385 LF OF TEMPORARY GUARDRAIL (UTILIZE PERM BRIDGE END CONNECTION AND TIE TO EXISTING GUARDRAIL)

PHASE III TEMP RAMP B RT STA 6+66 TO STA 8+66 CONST 200 LF OF TEMP GUARDRAIL AND (1) TEMP END TREATMENT TY 4A (TIE TRAILING END TO EXISTING GUARDRAIL)

MNT PKWY STA 132+05.2 TO STA 137+02.2 RELOCATE 500 LF OF TEMP CONCRETE BARRIER WALL.

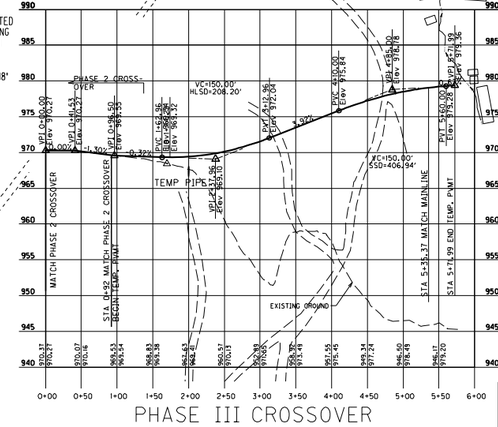
PHASE III KY 205 DIVERSION LT STA 12+08 TO STA 12+58 CONST 50 LF OF TEMP GUARDRAIL AND (1) TEMP END TREATMENT TY 4A (UTILIZE PERM BRIDGE END CONNECTION TY A)

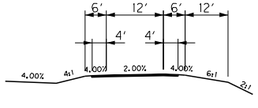
NOTE: SEE SHEETS R102 - R105 FOR CROSS OVER SECTIONS
SEE SHEETS R106 - R110 FOR TEMP RAMP B SECTIONS
SEE SHEETS R111 - R113 FOR TEMP DIVERSION SECTIONS




PHASE III-DIV.
PI STA 0+55.23
Δ = 42°17'09" LT
T = 38.67'
L = 73.80'
R = 100.00'
E = 7.22'
e = NC

PHASE III-DIV.
PI STA 3+02.40
Δ = 48°21'33" RT
T = 67.35'
L = 126.60'
R = 150.00'
E = 14.43'
e = NC




SCALE: 1"=100'

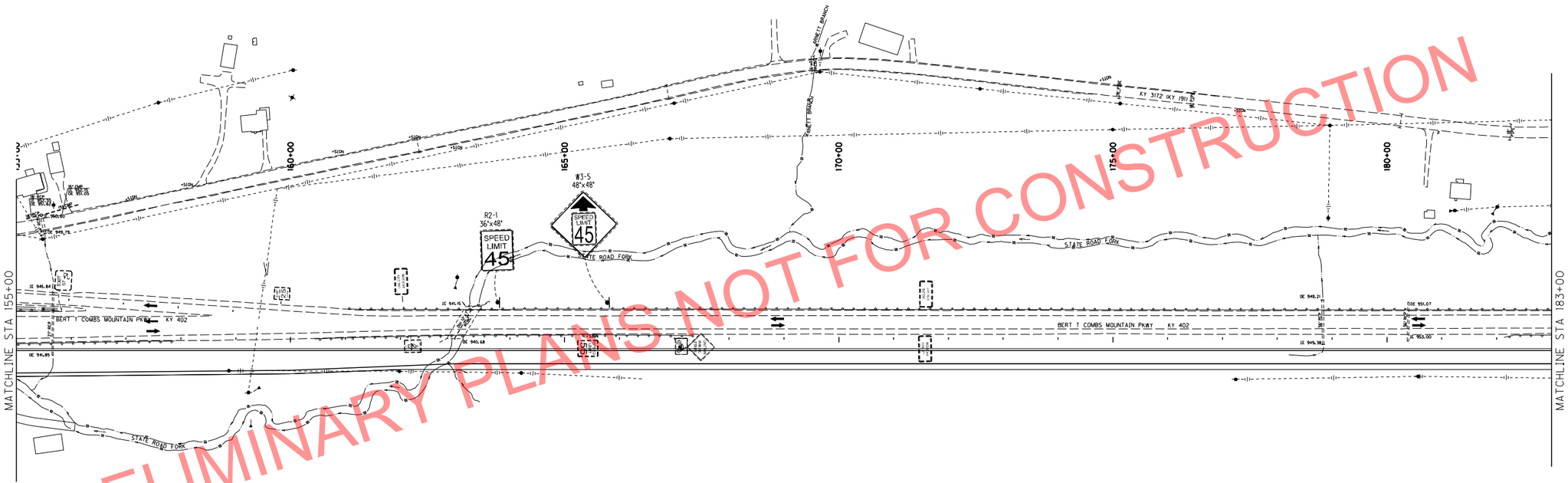
MOUNTAIN PARKWAY PHASE III
MAINTENANCE OF TRAFFIC SHEET
STA 130+00 TO STA 155+00

PRELIMINARY PLANS - NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R096GOMT.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI1300MT
MicroStation v8.11.9.832

# PHASE III MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R97 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

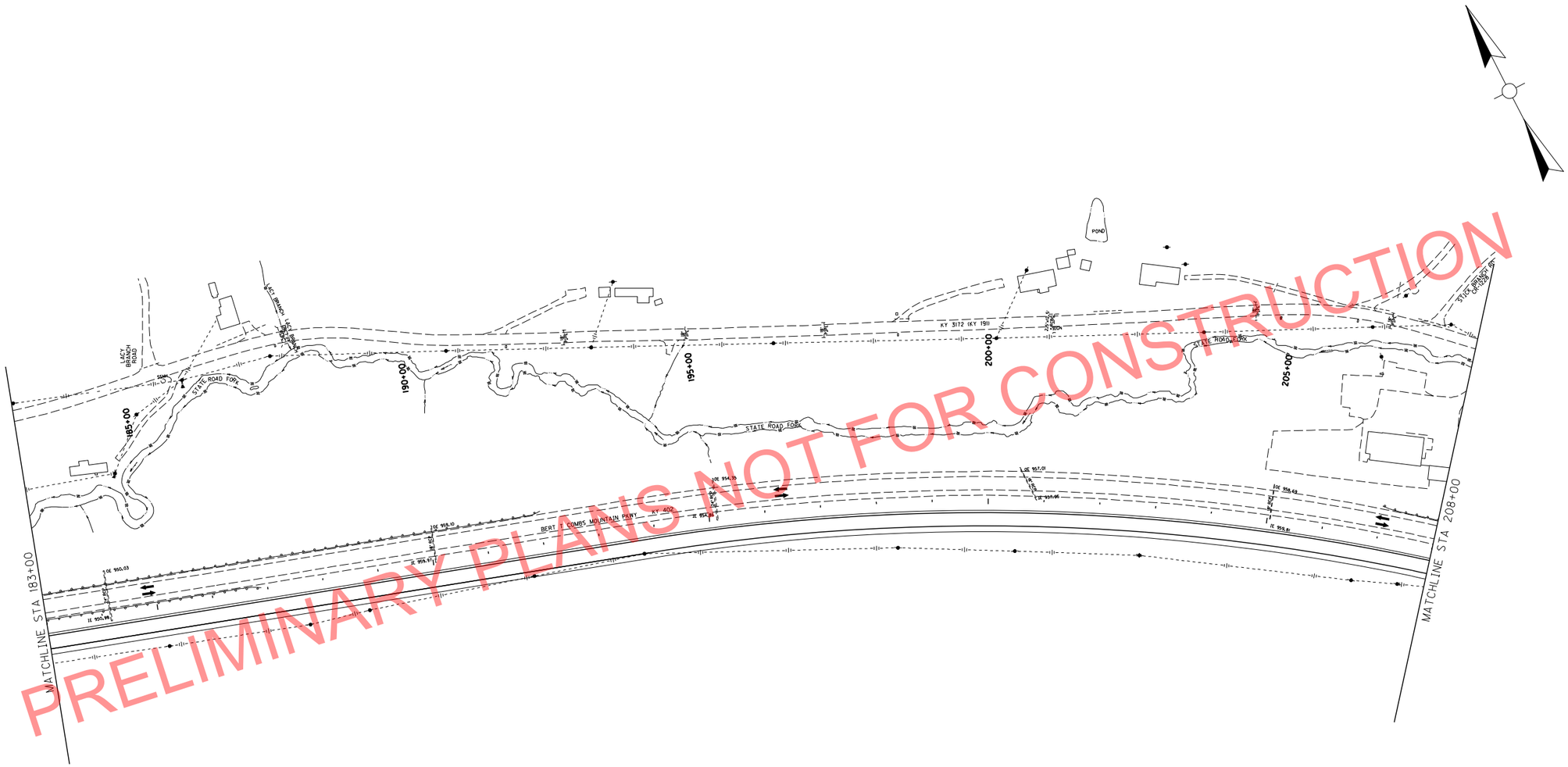
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE III
MAINTENANCE OF TRAFFIC SHEET
STA 155+00 TO STA 183+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R097TOMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RM40MT
MicroStation v8.11.9.714

# PHASE III MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R98 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

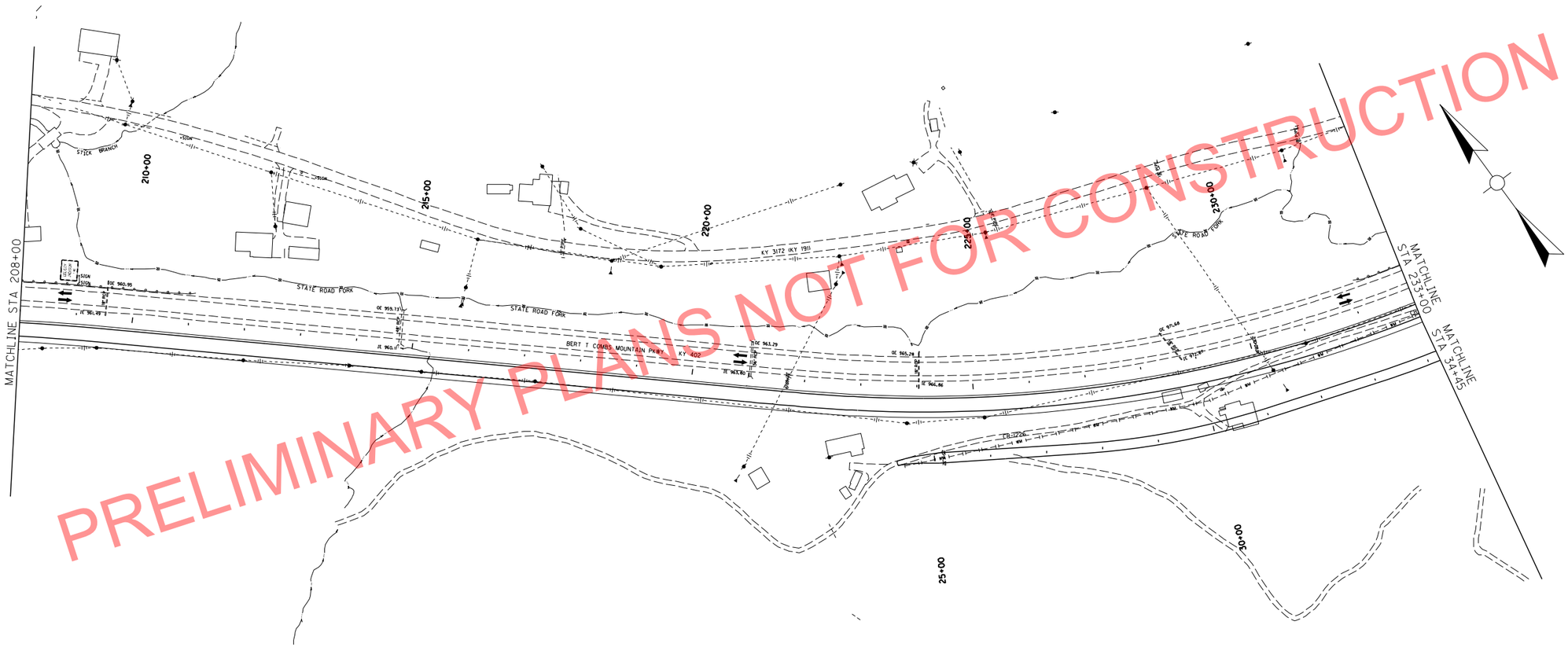
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE III
MAINTENANCE OF TRAFFIC SHEET
STA 183+00 TO STA 208+00

MicroStation v8.11.9.832 | E-SHEET NAME: R1500MT | USER: jbrewer DATE PLOTTED: September 23, 2016 | FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R0980MT.DGN

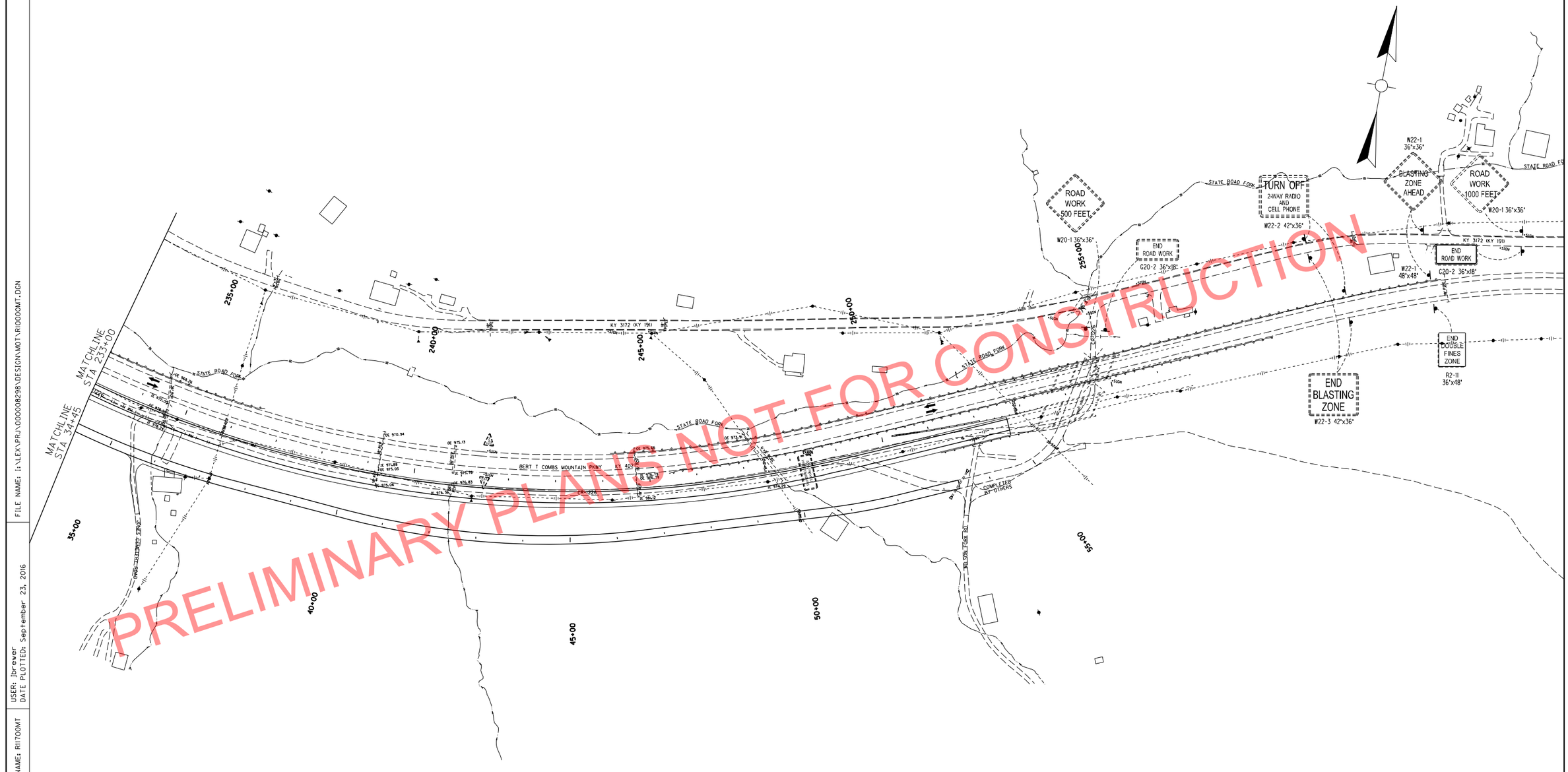
# PHASE III MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R99 |


MATCHLINE STA 208+00
210+00
215+00
220+00
225+00
230+00
MATCHLINE STA 233+00
MATCHLINE STA 34+45
25+00
30+00
STICK BRANCH
STATE ROAD FORK
STATE ROAD FORK
STATE ROAD FORK
KY 3172 (KY 191)
BERT T COMBS MOUNTAIN PKWY
KY 402
CR-12226
EOC 960.95
EOC 959.73
EOC 963.79
EOC 965.24
EOC 971.68
EOC 965.96
EOC 963.89
EOC 961.49
EOC 960.99
EOC 960.99
EOC 960.99

# PHASE III MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R100 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

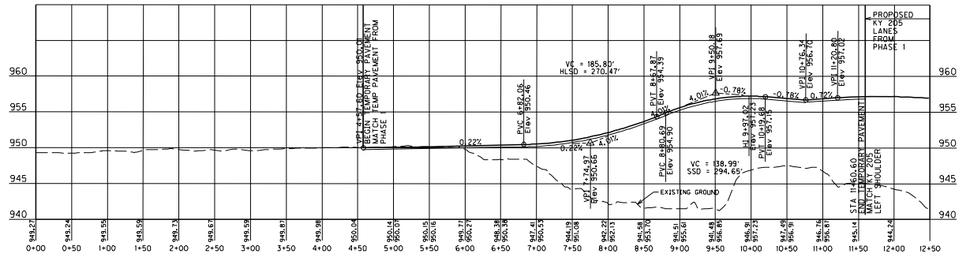
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE III
MAINTENANCE OF TRAFFIC SHEET
STA 233+00 TO STA 256+67.06

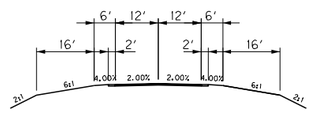
MicroStation v8.11.9.832
E-SHEET NAME: R11700MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\MOT\R10000MT.DGN

# PHASE III MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R101 |




PHASE III KY 205 DIVERSION




PHASE III KY 205 DIVERSION

PHASE III KY 205 DIVERSION LT STA 6+05 TO STA 9+68
PLACE TEMP TURF REINFORCEMENT MAT ALONG KY 205
DIVERSION FROM DISTURBED LIMITS TO ELEV 948.00
(447 SQ YDS)

PHASE III KY-205 DIV.
PI STA 2+86.54
Δ = 35°46'48" RT
T = 235.54'
L = 455.66'
R = 729.67'
E = 37.07'
e = 4%
Runoff = 91.00'
Runout = 45.00'

TEMP. SLOPE PROTECTION

END DOUBLE FINES ZONE 24"x30"

BEGIN DOUBLE FINES ZONE 24"x30"

SPEED LIMIT 45 R2-1 24"x30"

SPEED LIMIT 45 W3-5 36"x36"

250'

500'

KY 205

KY 205 BY OTHERS

POND

RED RIVER

SECTION A-A

MATCHLINE STA 335+50
SEE SHEET R96

310+00

315+00

320+00

325+00

330+00

335+00

NOTE: SEE SHEET R91 FOR CRITICAL SECTION P3 A-A
SEE SHEETS R111 - R113 FOR TEMP DIVERSION SECTIONS

SCALE: 1"=100'

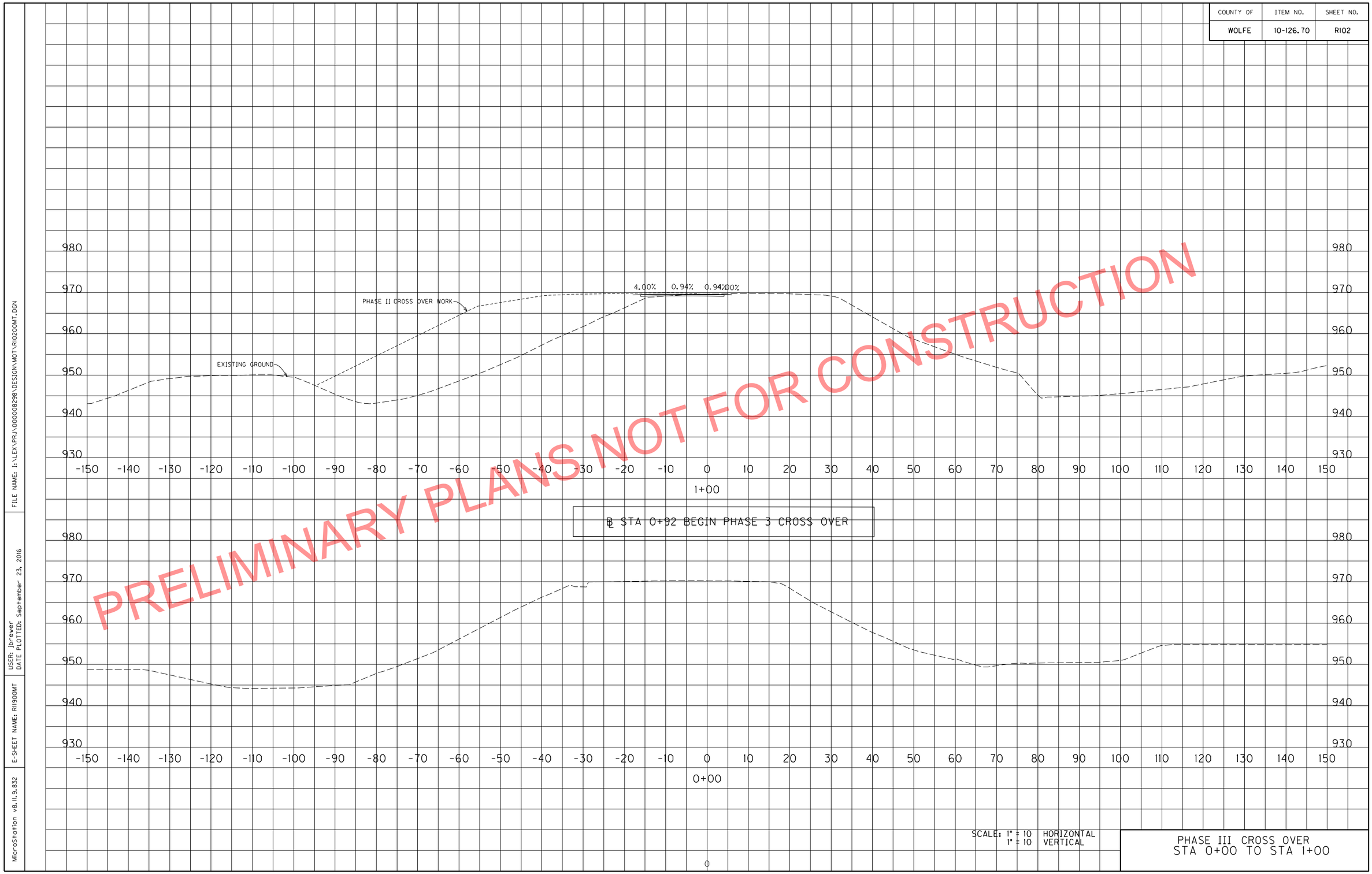
0' 100' 200' 400'

KY 205 PHASE III
MAINTENANCE OF TRAFFIC SHEET
STA 306+71.34 TO STA 335+50

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R101OOMT.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1800MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R102 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

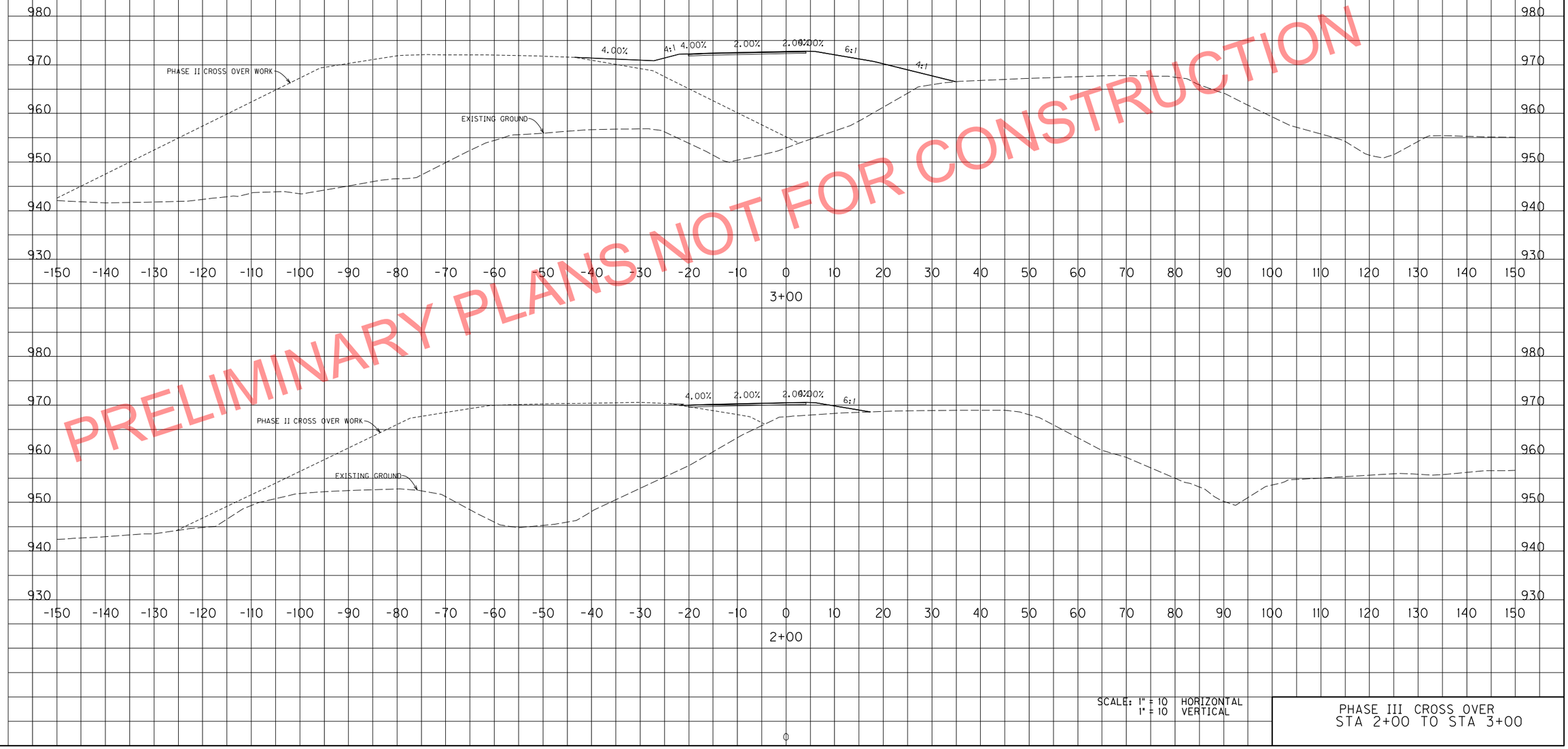
SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III CROSS OVER
STA 0+00 TO STA 1+00

MicroStation v8.11.9.832
E-SHEET NAME: R1900MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R10200MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R103 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

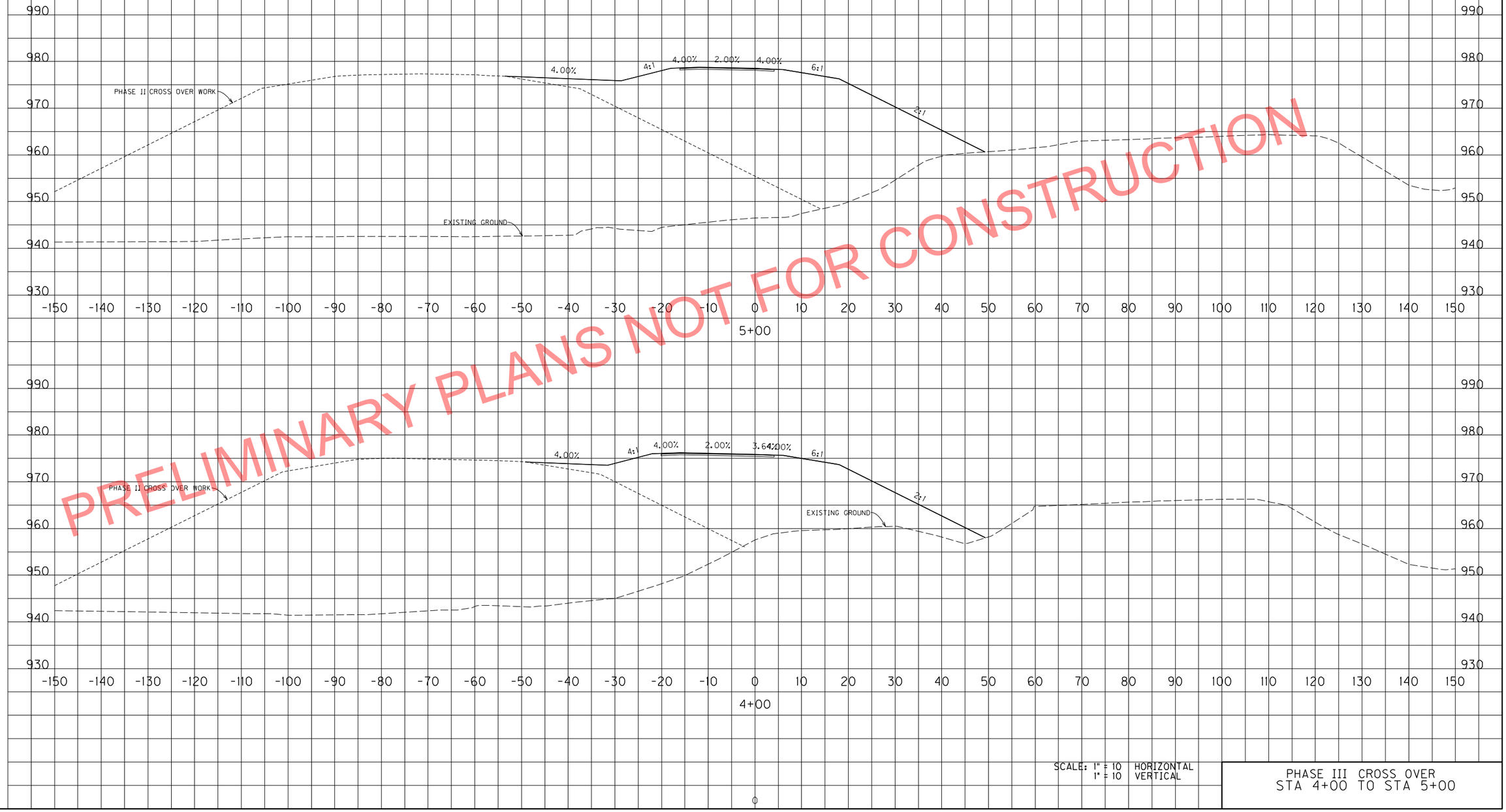



SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III CROSS OVER
STA 2+00 TO STA 3+00

MicroStation v8.11.9.832
E-SHEET NAME: R12000MT
USER: jmteronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R103OMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R104 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III CROSS OVER
STA 4+00 TO STA 5+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R104OMT.DGN
USER: jmteronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R2100MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R105 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

℄ STA 5+71.99 END PHASE 3 CROSS OVER




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III CROSS OVER
STA 5+72 TO STA 5+72

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R105OMT.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R12200MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R106 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

PHASE II CROSS OVER WORK

EXISTING GROUND

2:1 6:1 2.00% 2.00% 6:1 2:1

℄ STA 0+86.43 BEGIN PHASE 3 TEMP RAMP B

990 980 970 960 950 940 930

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

1+00

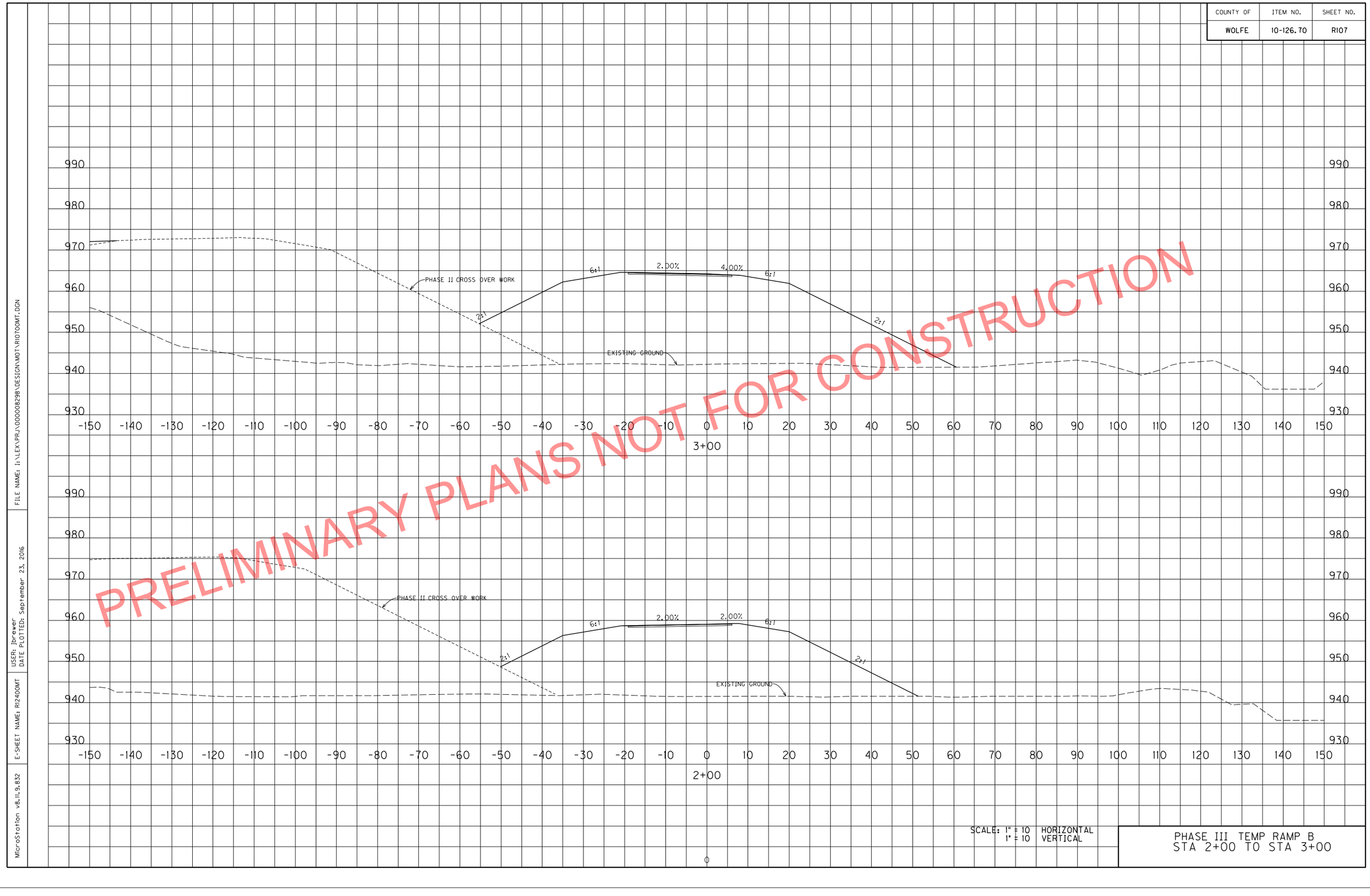
0+00

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III TEMP. RAMP B
STA 0+00 TO STA 1+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R106OMT.DGN
USER: Jmteronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R2300MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R107 |



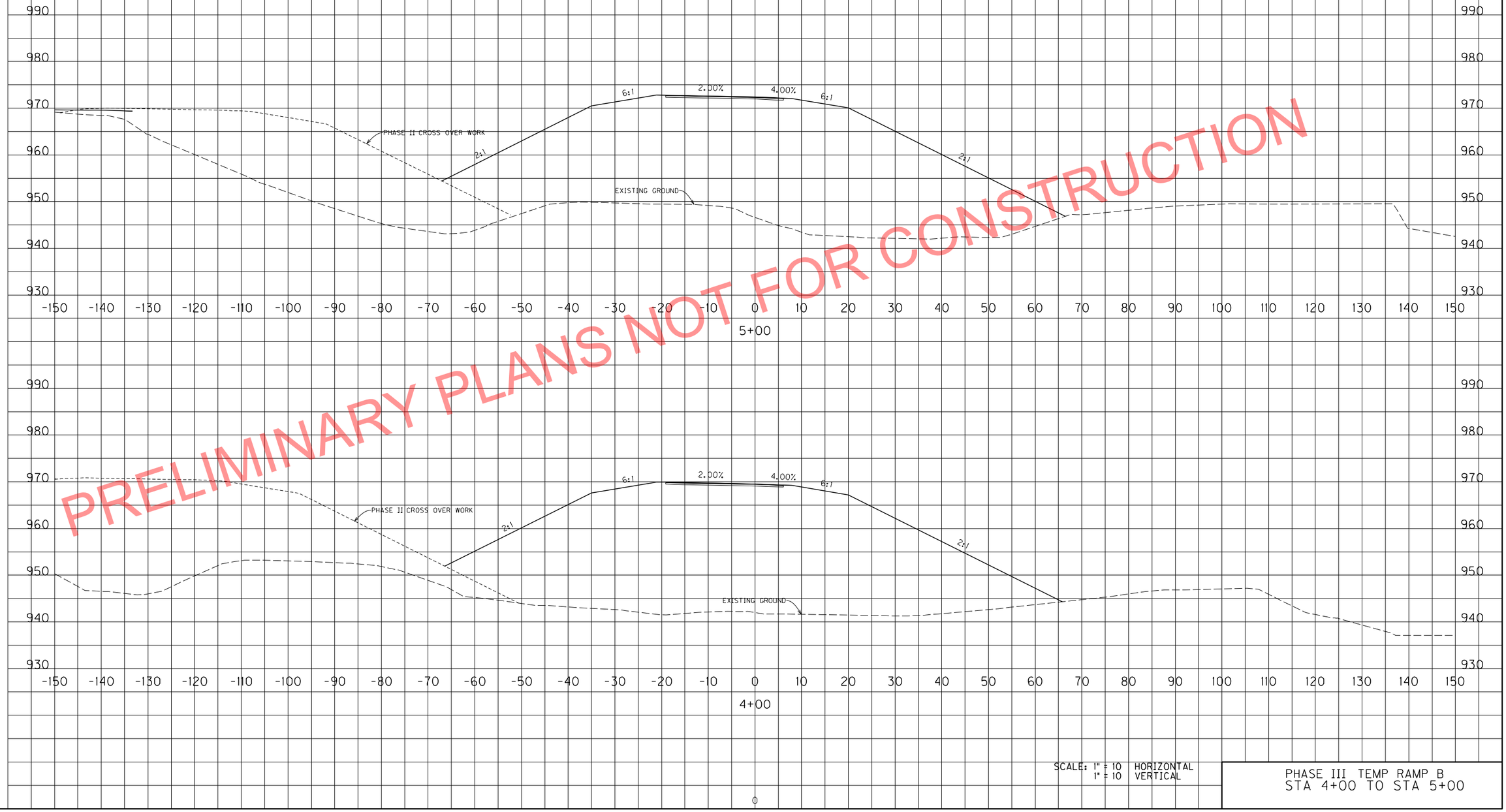

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III TEMP RAMP B
STA 2+00 TO STA 3+00

FILE NAME: I:\LEX\PRJ\000008298\DESIGN\MOT\R107OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R12400MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R108 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

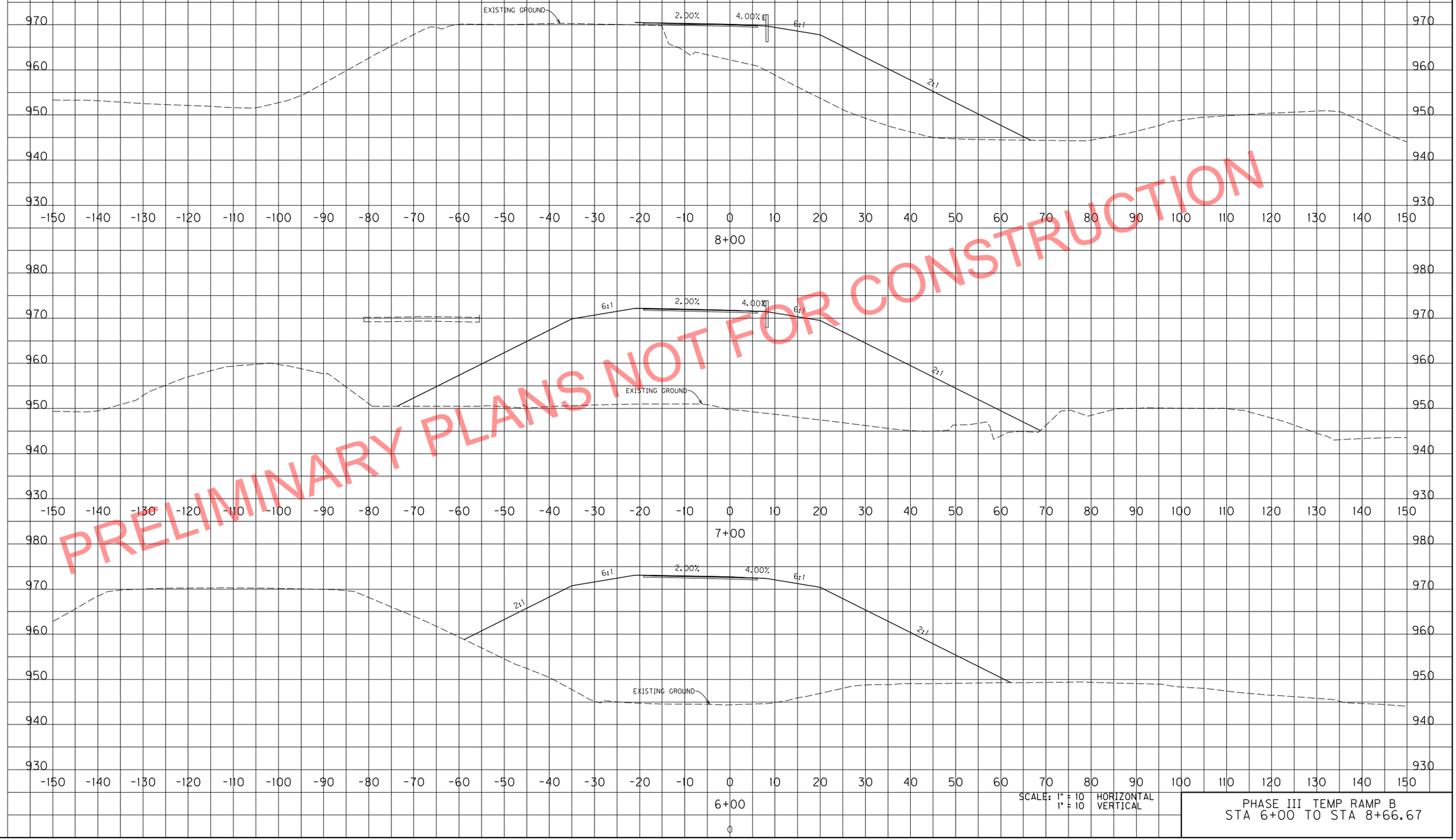
SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III TEMP RAMP B
STA 4+00 TO STA 5+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R108OMT.DGN
USER: jmteronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R12500MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R109 |

℄ STA 8+66.67 END PHASE 3 TEMP RAMP B
BEGIN MAINLINE TEMP PAVEMENT




PRELIMINARY PLANS NOT FOR CONSTRUCTION

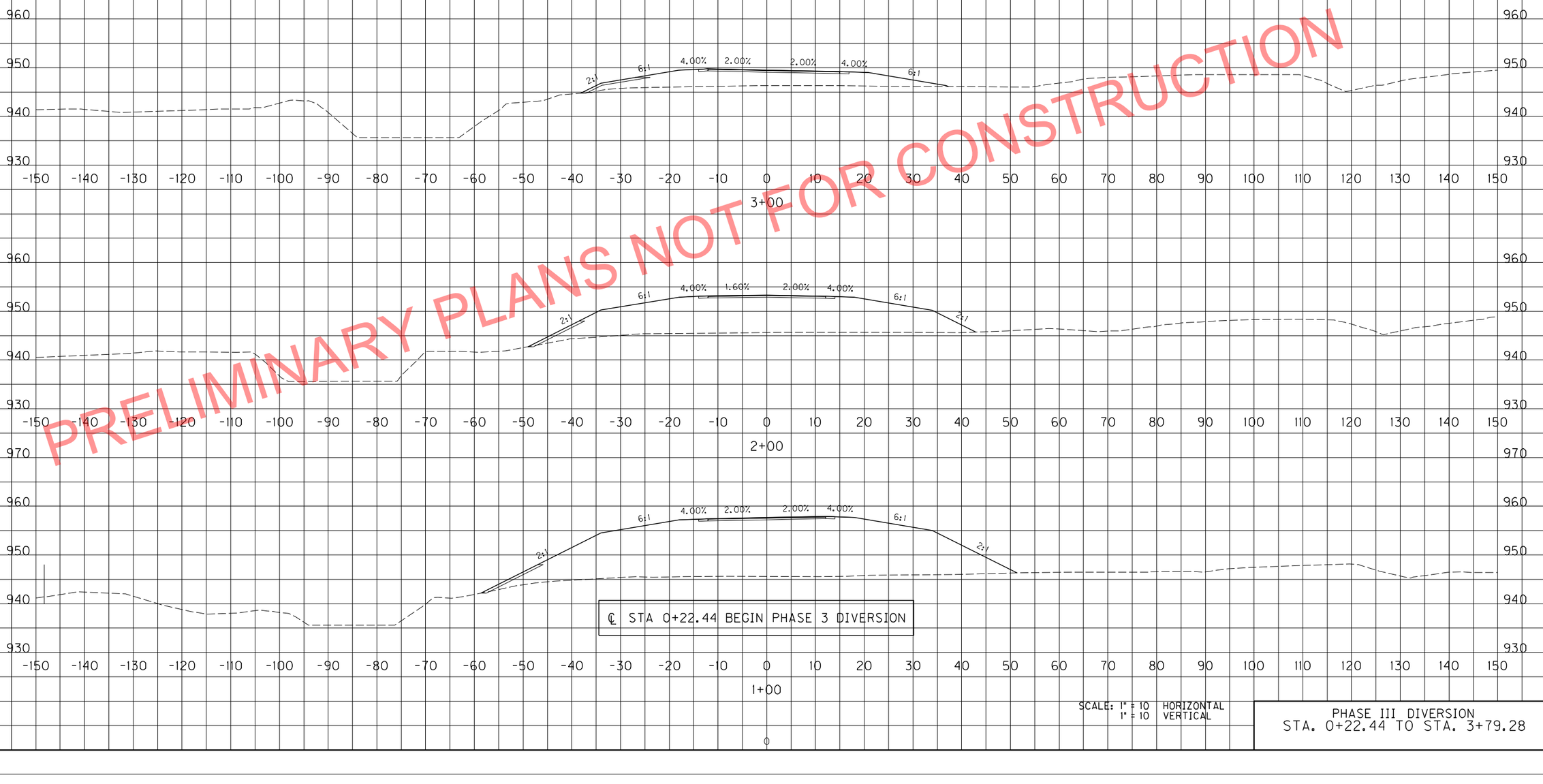
SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III TEMP RAMP B
STA 6+00 TO STA 8+66.67

MicroStation v8.11.9.832
E-SHEET NAME: R2600MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R109OOMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R110 |

℄ STA 3+79.28 END PHASE 3 DIVERSION




℄ STA 0+22.44 BEGIN PHASE 3 DIVERSION

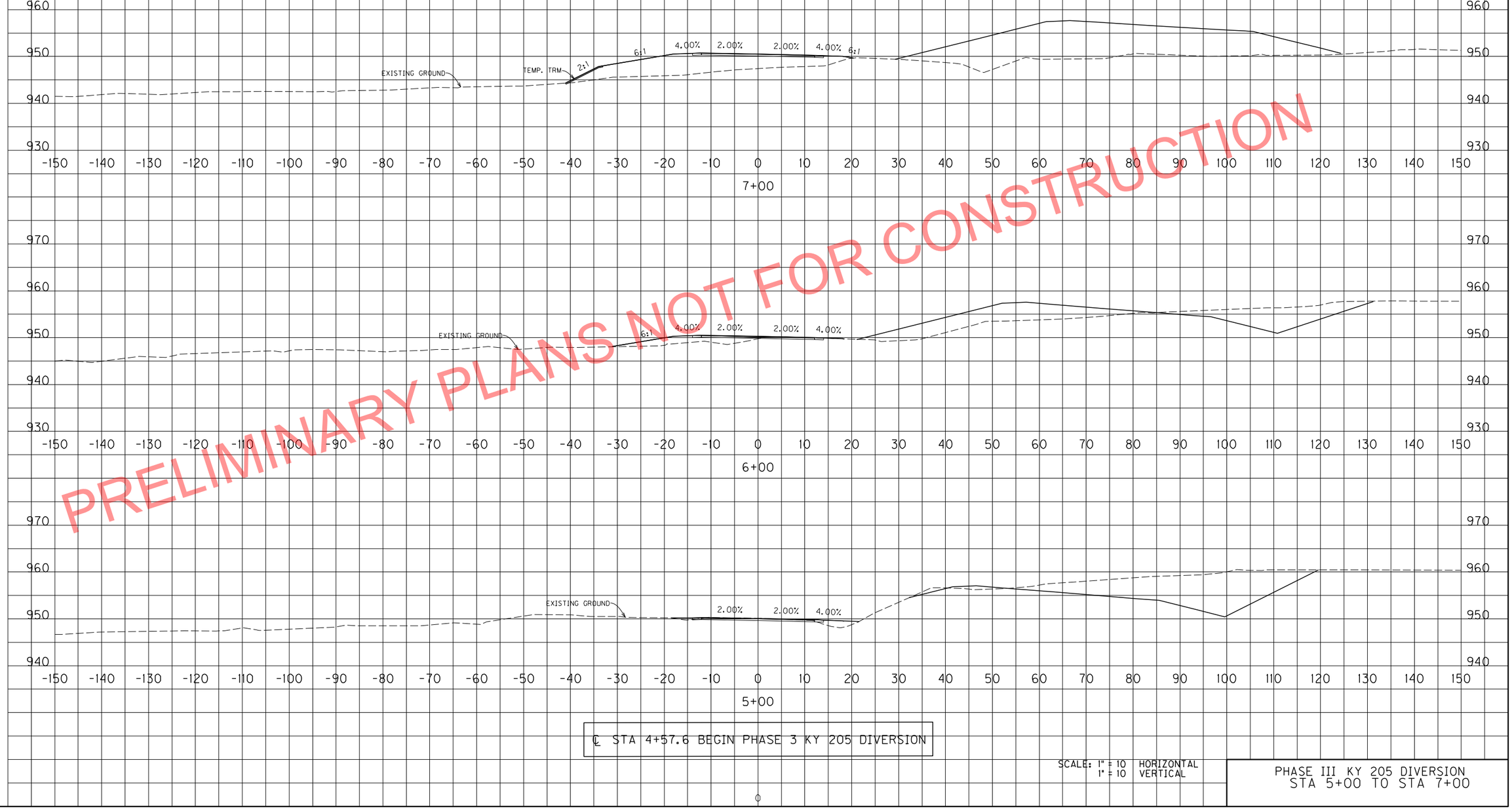
PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III DIVERSION
STA. 0+22.44 TO STA. 3+79.28

FILE NAME: I:\LEX\PRJ\000008298\DESIGN\MOT\RH100MT.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI2700MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R111 |




℄ STA 4+57.6 BEGIN PHASE 3 KY 205 DIVERSION

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III KY 205 DIVERSION
STA 5+00 TO STA 7+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RIIIOOMT.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R2800MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R112 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III KY 205 DIVERSION
STA 8+00 TO STA 9+00

MicroStation v8.11.9.832
E-SHEET NAME: R12900MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RI1200MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R113 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

℄ STA 11+60.60 END PHASE 3 KY 205 DIVERSION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE III KY 205 DIVERSION
STA 10+00 TO STA 12+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RI130OMT.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI3000MT
MicroStation v8.11.9.832

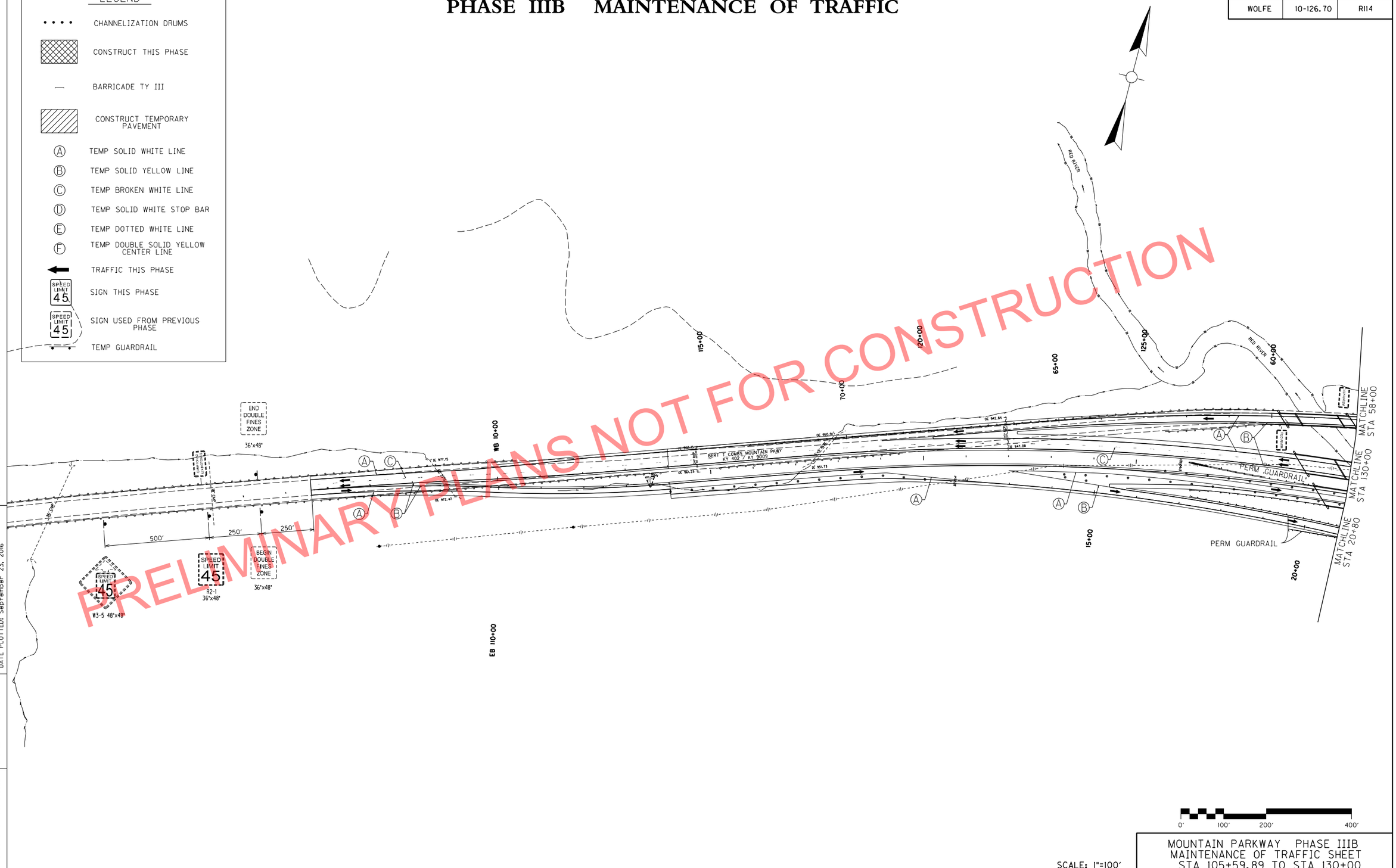
# PHASE IIIB MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R114 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

## LEGEND

- CHANNELIZATION DRUMS
- CONSTRUCT THIS PHASE
- BARRICADE TY III
- CONSTRUCT TEMPORARY PAVEMENT
- (A) TEMP SOLID WHITE LINE
- (B) TEMP SOLID YELLOW LINE
- (C) TEMP BROKEN WHITE LINE
- (D) TEMP SOLID WHITE STOP BAR
- (E) TEMP DOTTED WHITE LINE
- (F) TEMP DOUBLE SOLID YELLOW CENTER LINE
- TRAFFIC THIS PHASE
- SIGN THIS PHASE (SPEED LIMIT 45)
- SIGN USED FROM PREVIOUS PHASE (SPEED LIMIT 45)
- TEMP GUARDRAIL




0' 100' 200' 400'

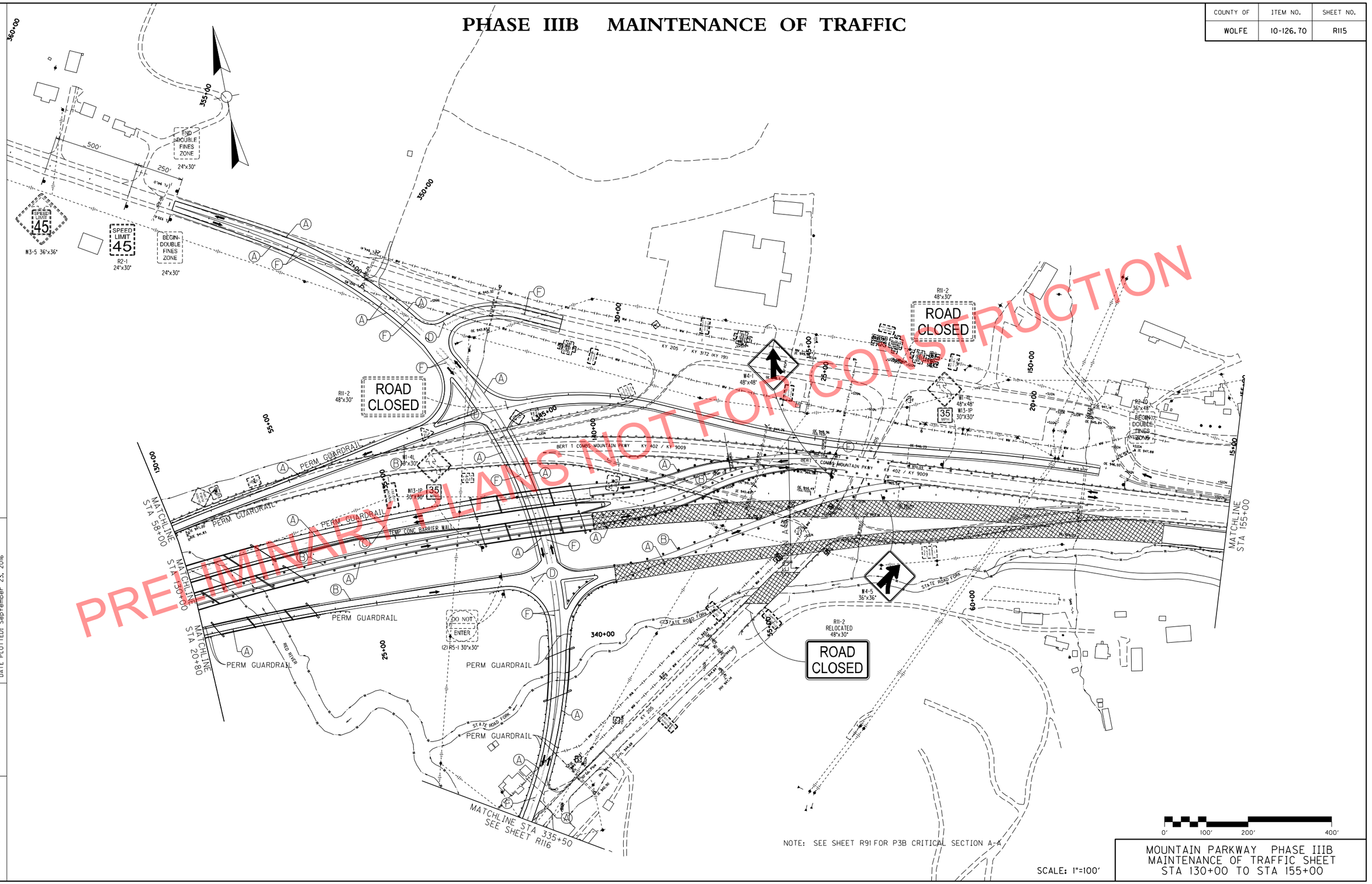
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE IIIB
MAINTENANCE OF TRAFFIC SHEET
STA 105+59.89 TO STA 130+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RII400MT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI3100MT
MicroStation v8.11.9.832

# PHASE IIIB MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R115 |



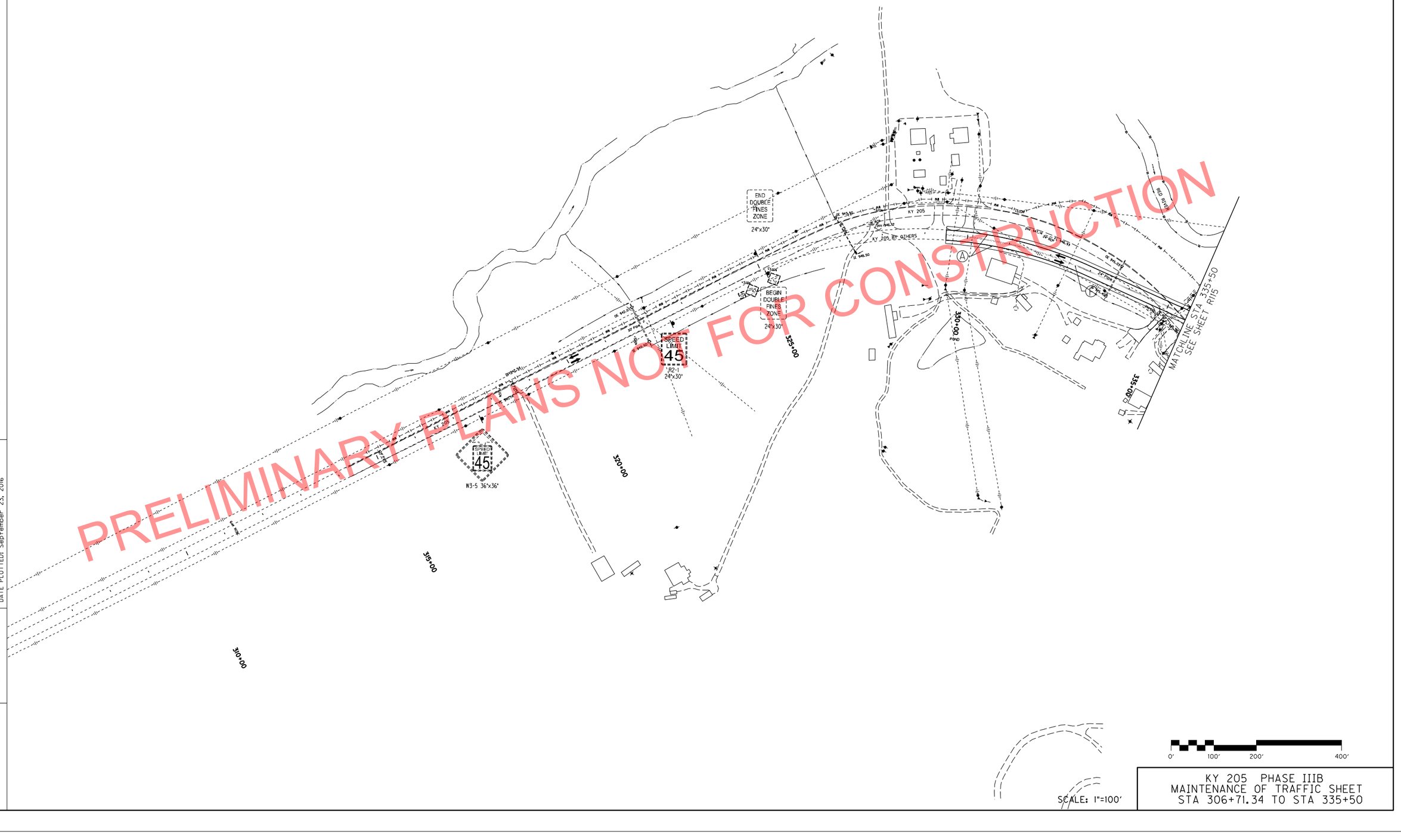

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MOUNTAIN PARKWAY PHASE IIIB
MAINTENANCE OF TRAFFIC SHEET
STA 130+00 TO STA 155+00

MicroStation v8.11.9.832
E-SHEET NAME: R1320MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\0000082\98\DESIGN\MOT\R1150MT.DGN

# PHASE IIIB MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R116 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"=100'

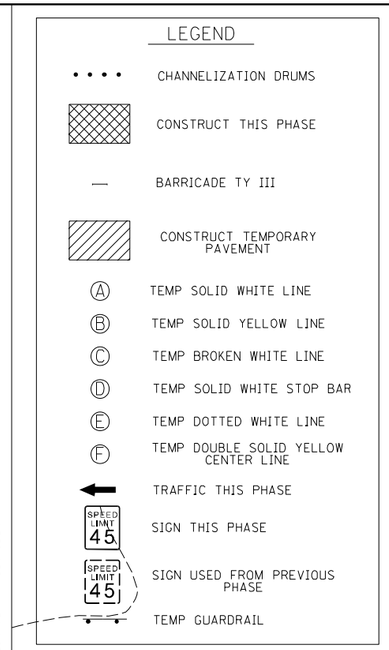
0' 100' 200' 400'

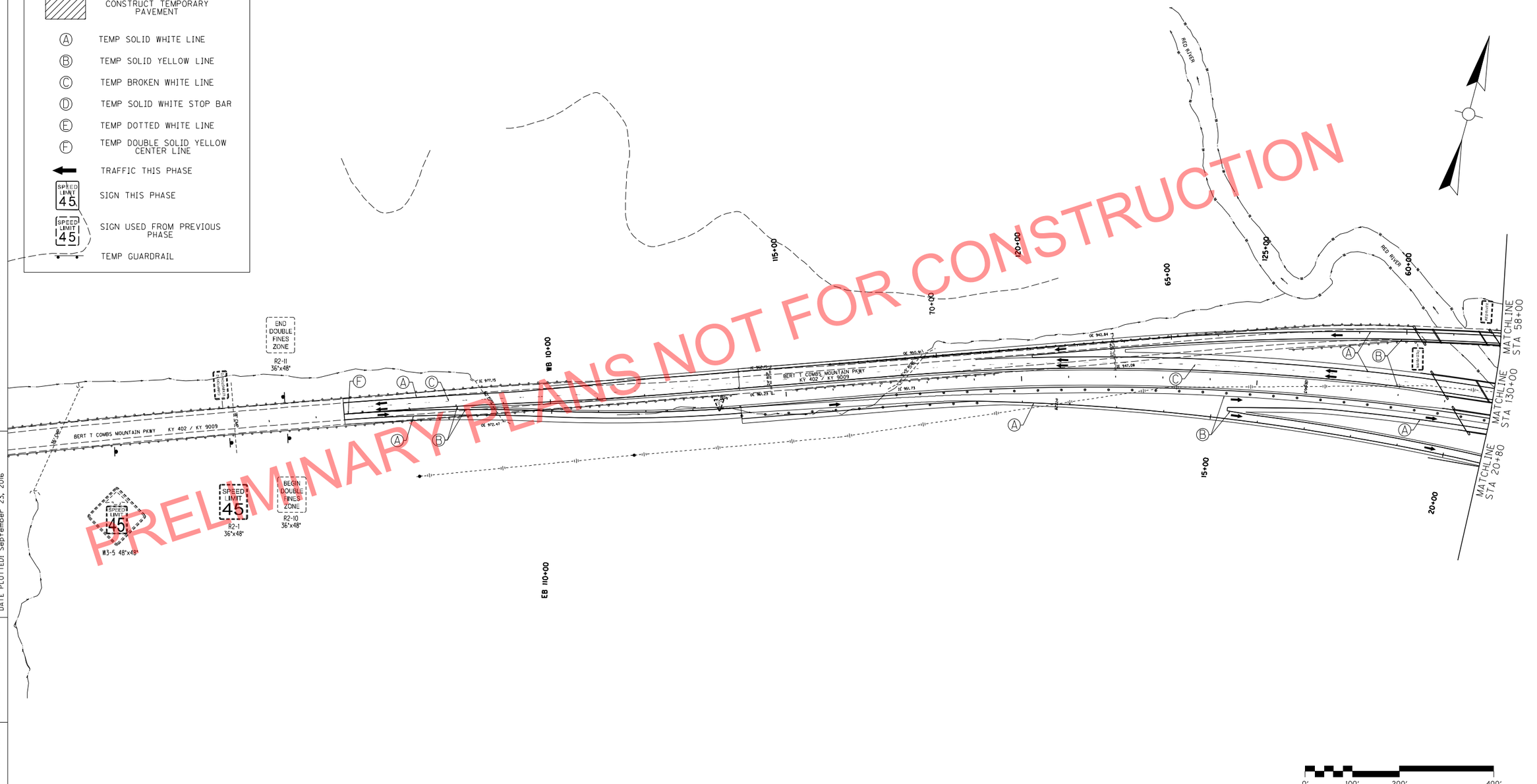
KY 205 PHASE IIIB
MAINTENANCE OF TRAFFIC SHEET
STA 306+71.34 TO STA 335+50

MicroStation v8.11.9.832 | E-SHEET NAME: R1330OMT | USER: Jbrewer DATE PLOTTED: September 23, 2016 | FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R1160OMT.DGN

# PHASE IV MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R117 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

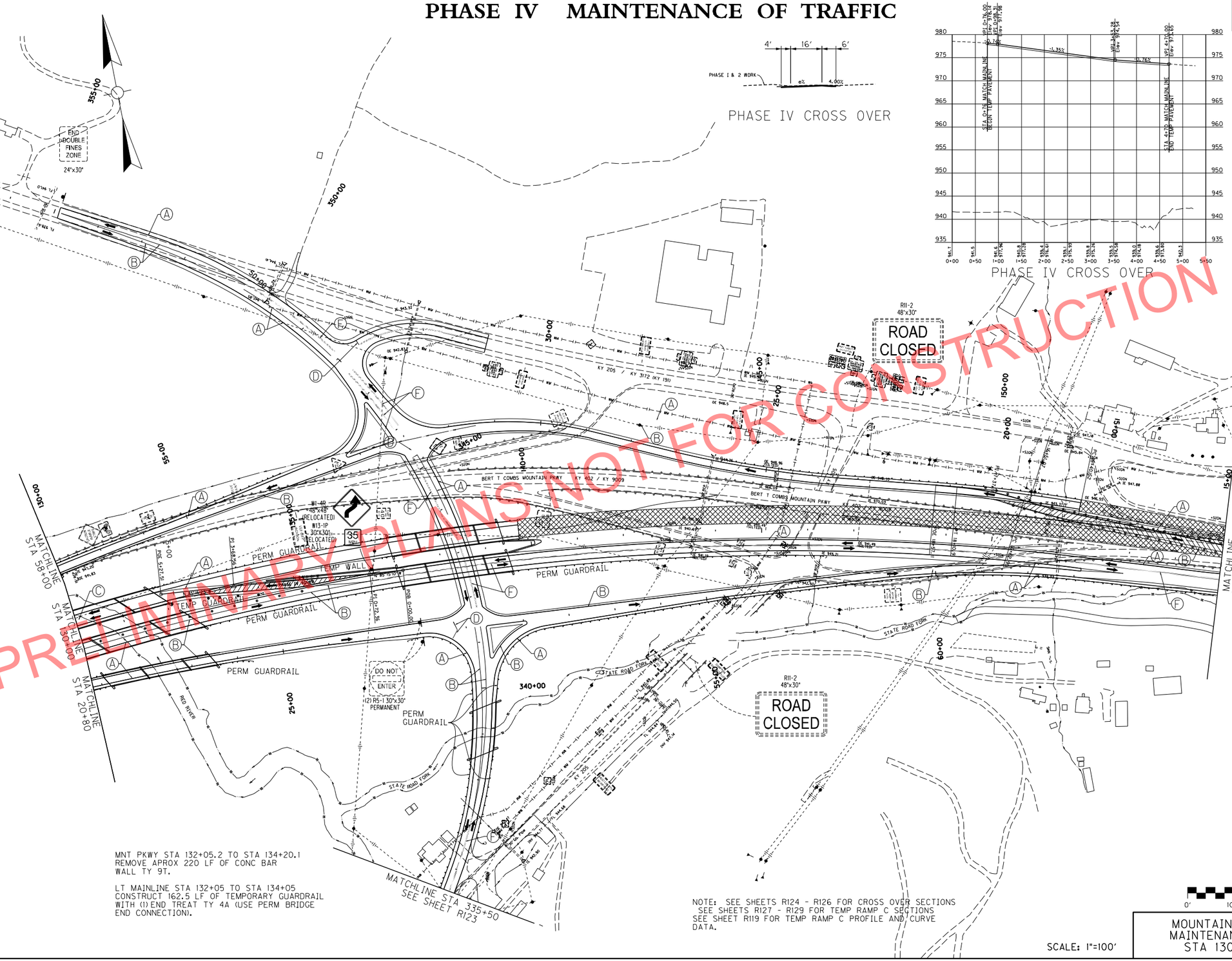
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE IV
MAINTENANCE OF TRAFFIC SHEET
STA 105+59.89 TO STA 130+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RITOOMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R13400MT
MicroStation v8.11.9.832

# PHASE IV MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R118 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

MNT PKWY STA 132+05.2 TO STA 134+20.1
REMOVE APROX 220 LF OF CONC BAR WALL TY 9T.

LT MAINLINE STA 132+05 TO STA 134+05
CONSTRUCT 162.5 LF OF TEMPORARY GUARDRAIL WITH (1) END TREAT TY 4A (USE PERM BRIDGE END CONNECTION).

NOTE: SEE SHEETS R124 - R126 FOR CROSS OVER SECTIONS
SEE SHEETS R127 - R129 FOR TEMP RAMP C SECTIONS
SEE SHEET R119 FOR TEMP RAMP C PROFILE AND CURVE DATA.

SCALE: 1"=100'

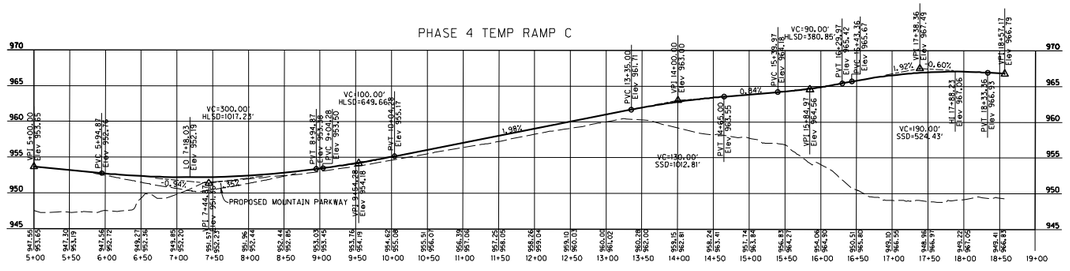
0' 100' 200' 400'

MOUNTAIN PARKWAY PHASE IV
MAINTENANCE OF TRAFFIC SHEET
STA 130+00 TO STA 155+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R118OMT.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R13500MT
MicroStation v8.11.9.832

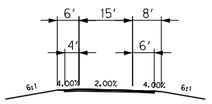
# PHASE IV MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R119 |

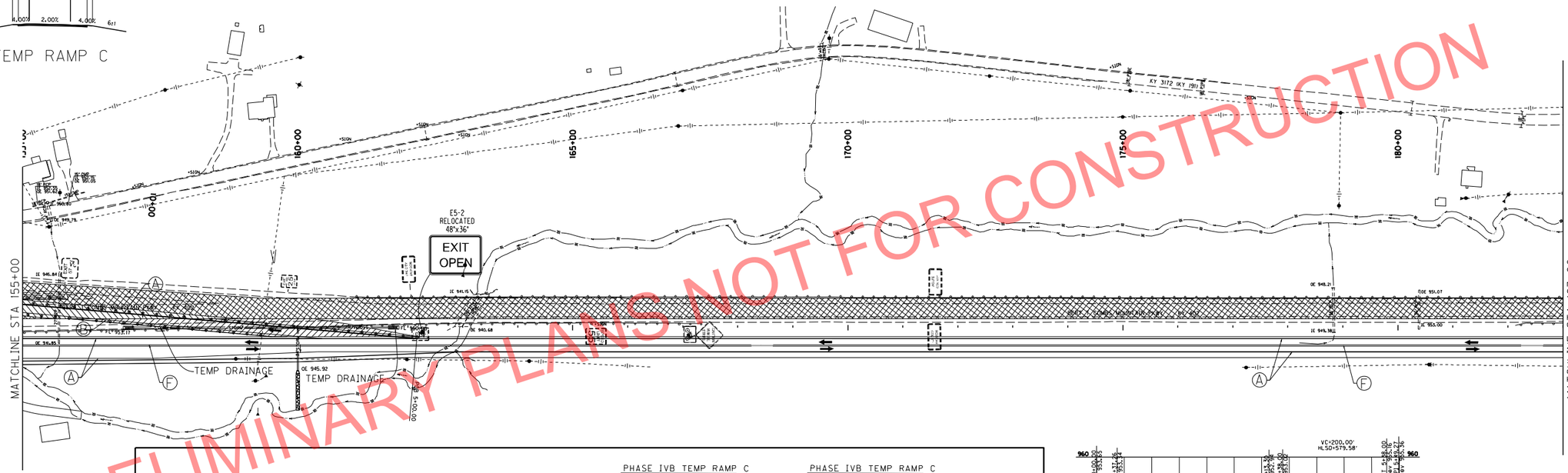


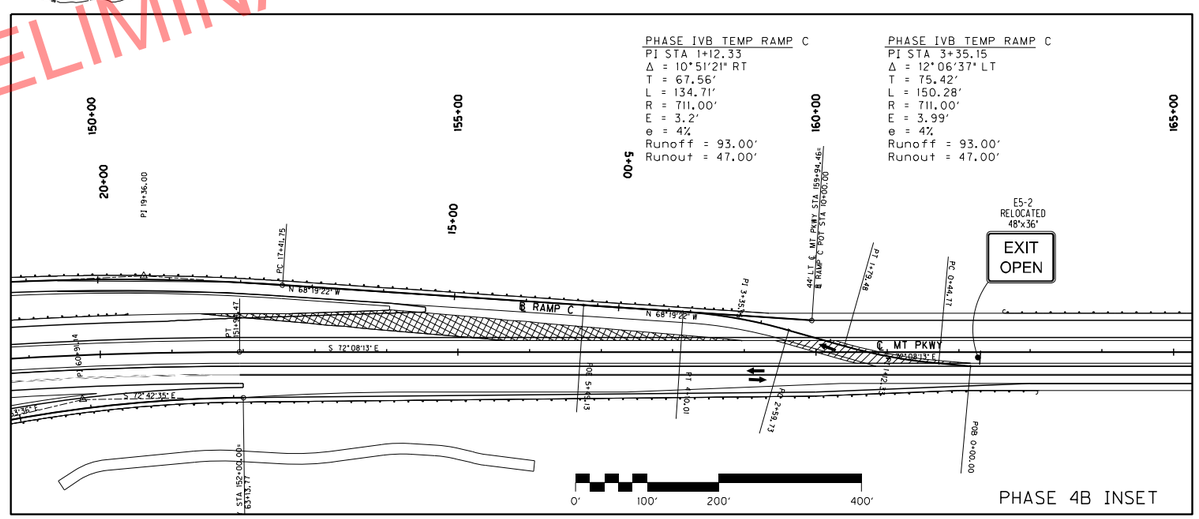

PHASE IV TEMP RAMP C
PI STA 15+95.84
Δ = 5°19'22" RT
T = 55.32'
L = 110.55'
R = 1190'
E = 1.28'
e = 3.6%
Runoff = 83.00'
Runout = 47.00'

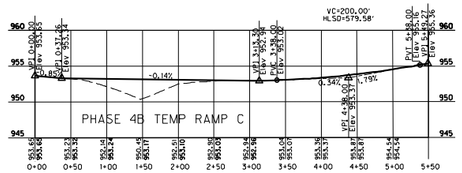
PHASE IV TEMP RAMP C
PI STA 17+37.17
Δ = 11°55'36" LT
T = 74.27'
L = 148.00'
R = 711.00'
E = 3.87'
e = 4%
Runoff = 93.00'
Runout = 47.00'




TEMP RAMP C




NOTE: SEE SHEETS R127 - R129 FOR TEMP RAMP C SECTIONS

0' 100' 200' 400'

SCALE: 1"=100'

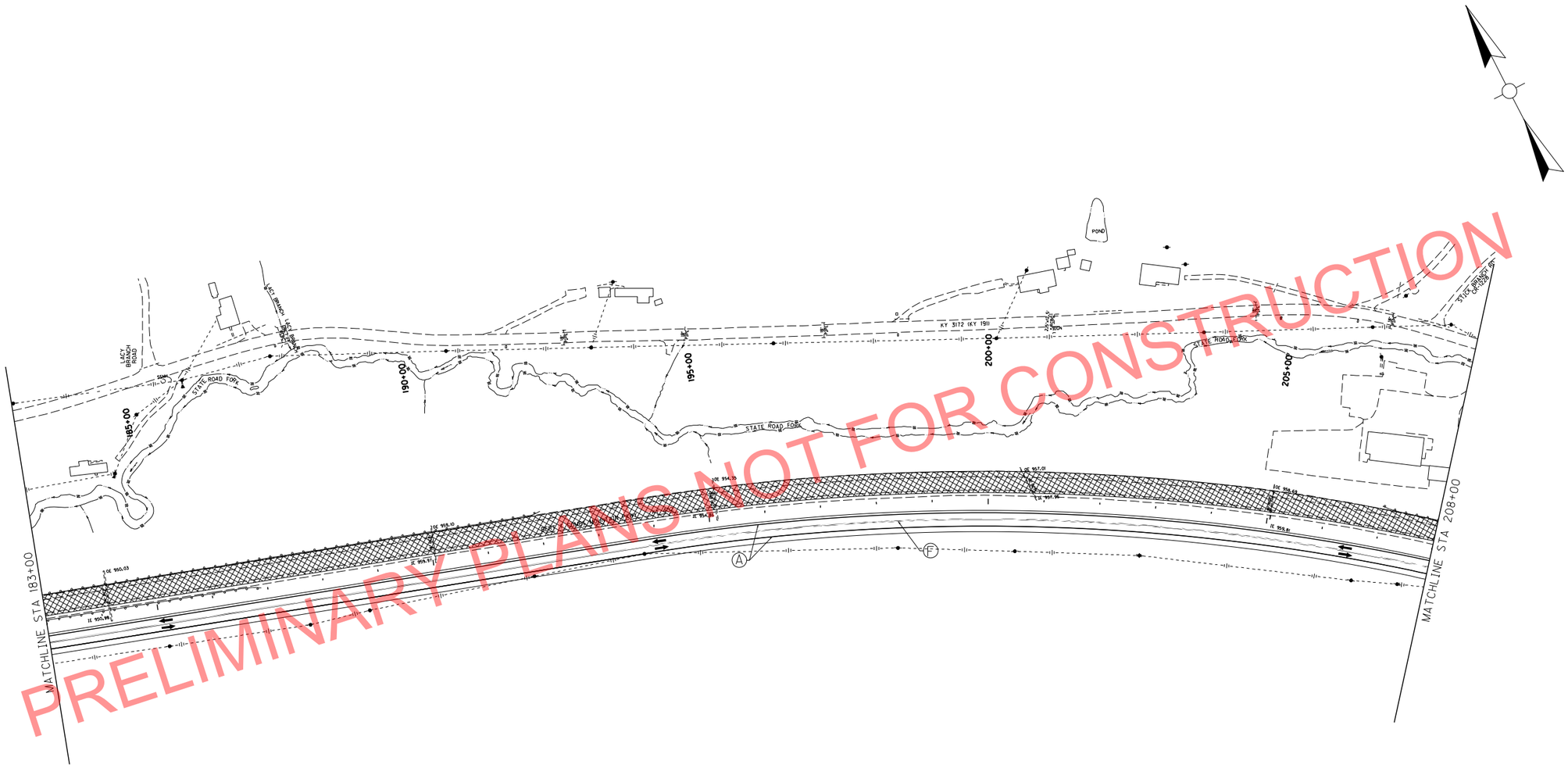
MOUNTAIN PARKWAY PHASE IV
MAINTENANCE OF TRAFFIC SHEET
STA 155+00 TO STA 183+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

Microstation v8.11.9.832
E-SHEET NAME: R13600MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R119OOMT.DGN

# PHASE IV MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R120 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

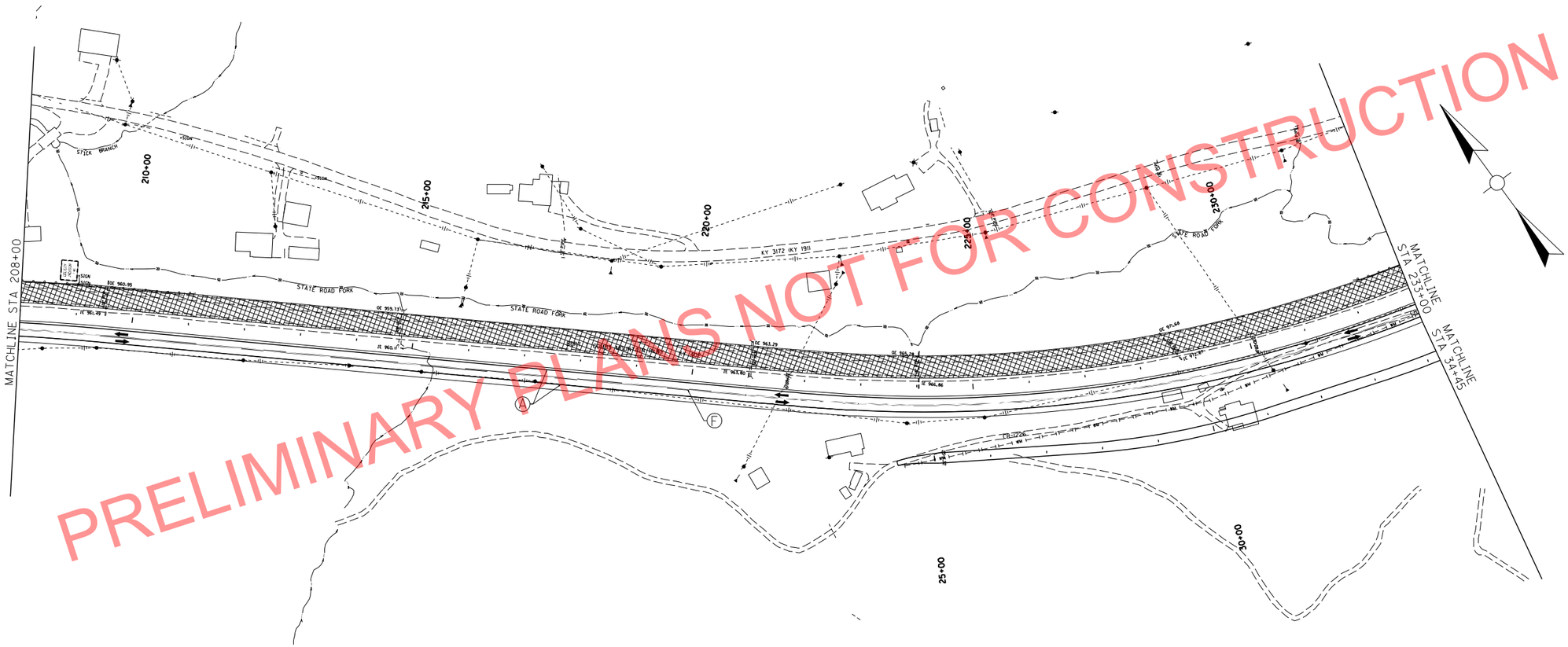
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE IV
MAINTENANCE OF TRAFFIC SHEET
STA 183+00 TO STA 208+00

MicroStation v8.11.9.832
E-SHEET NAME: R1370OMT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\EX\PRJ\0000008298\DESIGN\MOT\R12000MT.DGN

# PHASE IV MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R121 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 100' 200' 400'

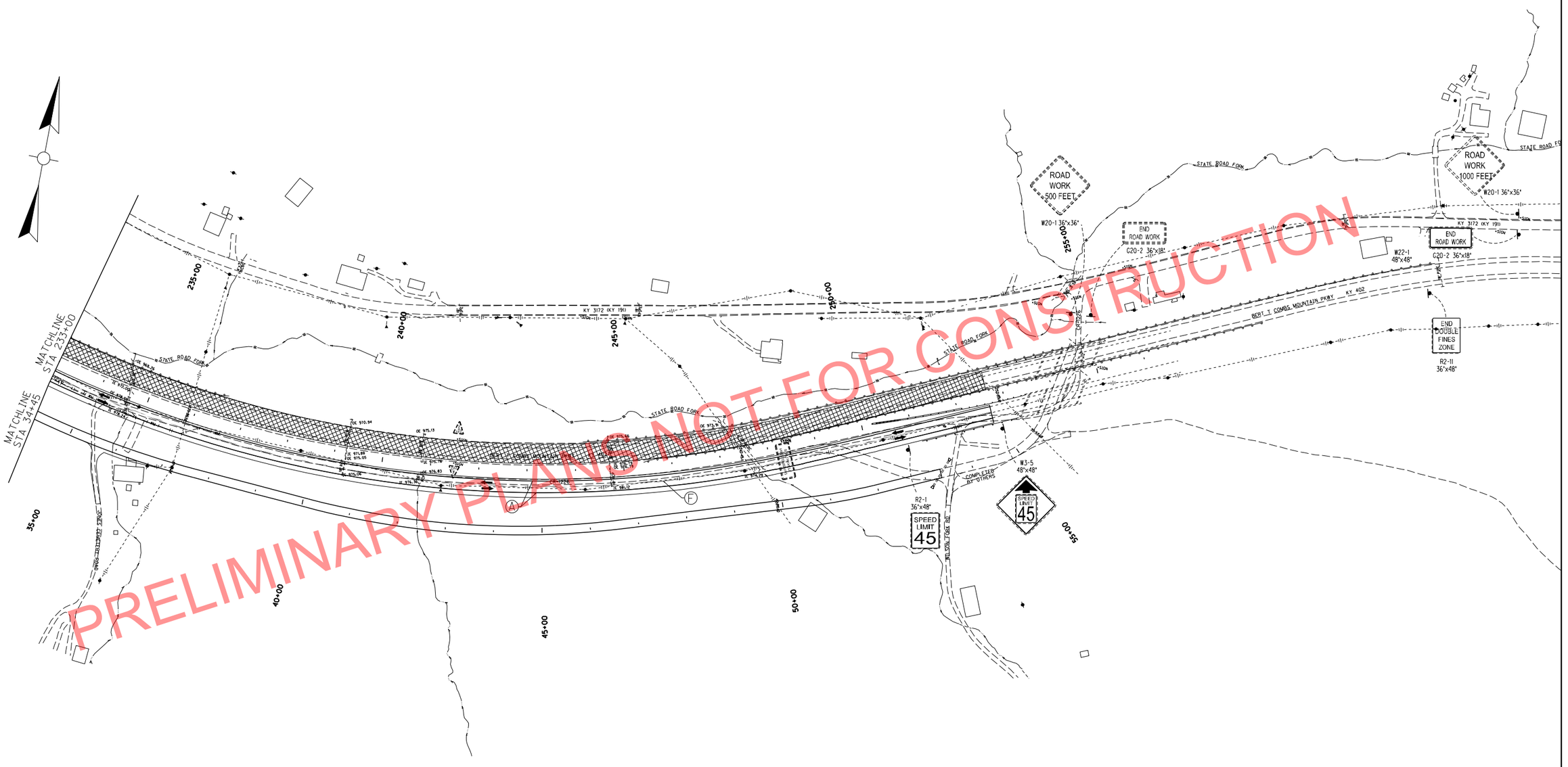
SCALE: 1"=100'

MOUNTAIN PARKWAY PHASE IV
MAINTENANCE OF TRAFFIC SHEET
STA 208+00 TO STA 233+00

FILE NAME: I:\LEX\PRJ\0000082981\DESIGN\MOT\R121OOMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R13800MT
MicroStation v8.11.9.832

# PHASE IV MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R122 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"=100'

0' 100' 200' 400'

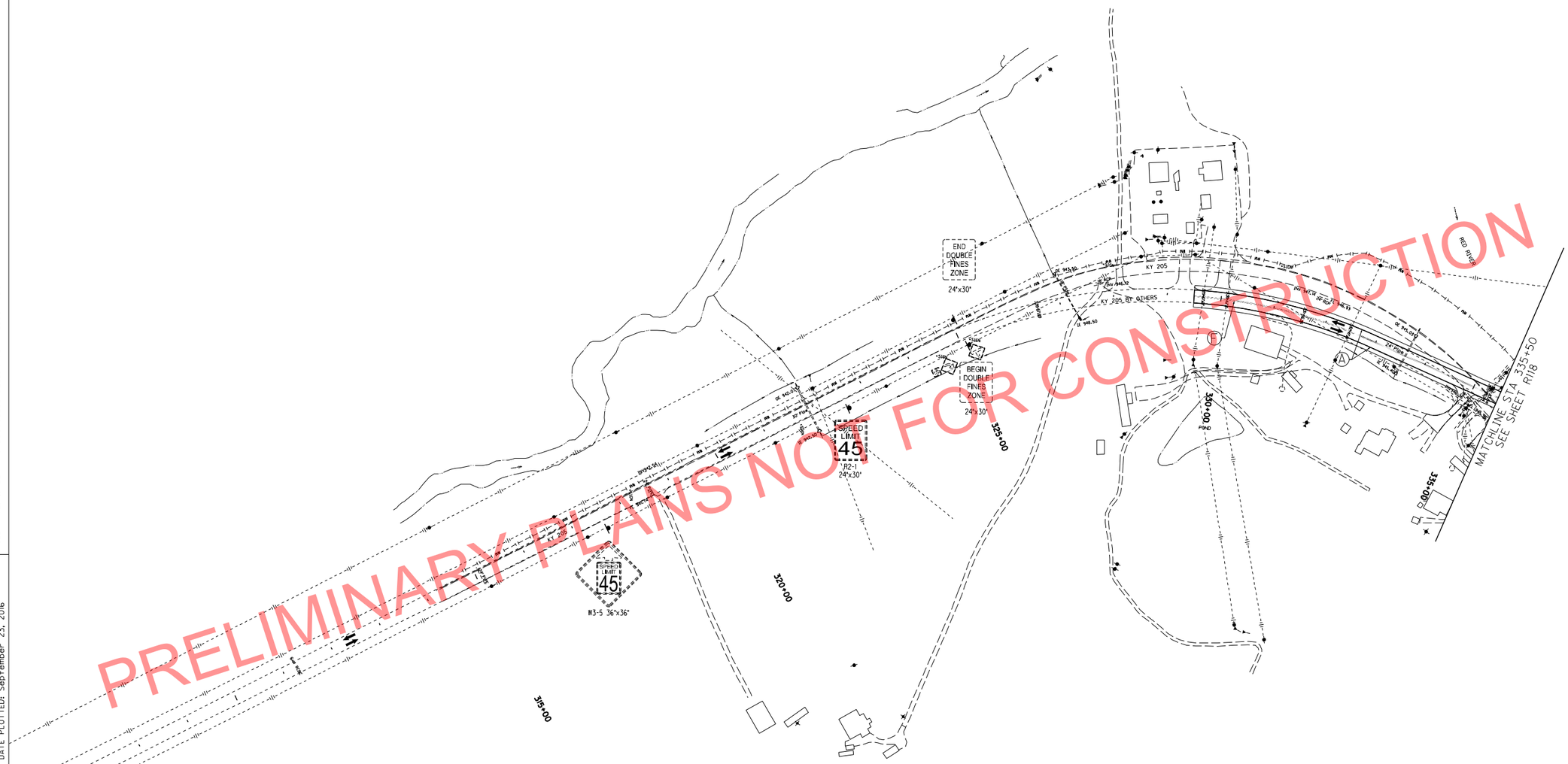
MOUNTAIN PARKWAY PHASE IV
MAINTENANCE OF TRAFFIC SHEET
STA 233+00 TO STA 256+67.06

MicroStation v8.11.9.832
E-SHEET NAME: R1300MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R1200MT.DGN

# PHASE IV MAINTENANCE OF TRAFFIC

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R123 |

?




PRELIMINARY PLANS NOT FOR CONSTRUCTION

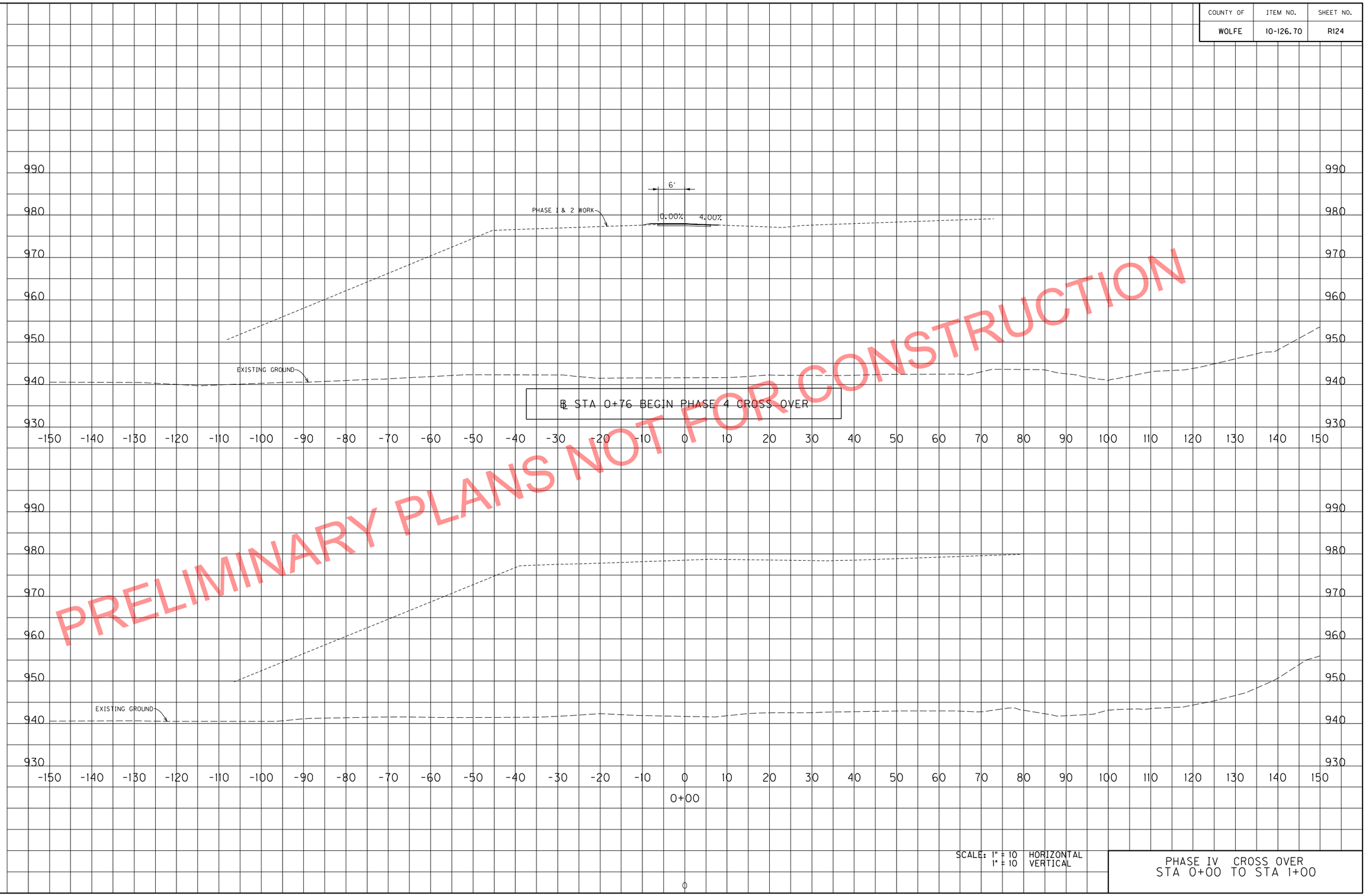
SCALE: 1"=100'

0' 100' 200' 400'

KY 205 PHASE IV
MAINTENANCE OF TRAFFIC SHEET
STA 306+71.34 TO STA 335+50

Microstation v8.11.3.832
E-SHEET NAME: R14000MT
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R12300MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R124 |



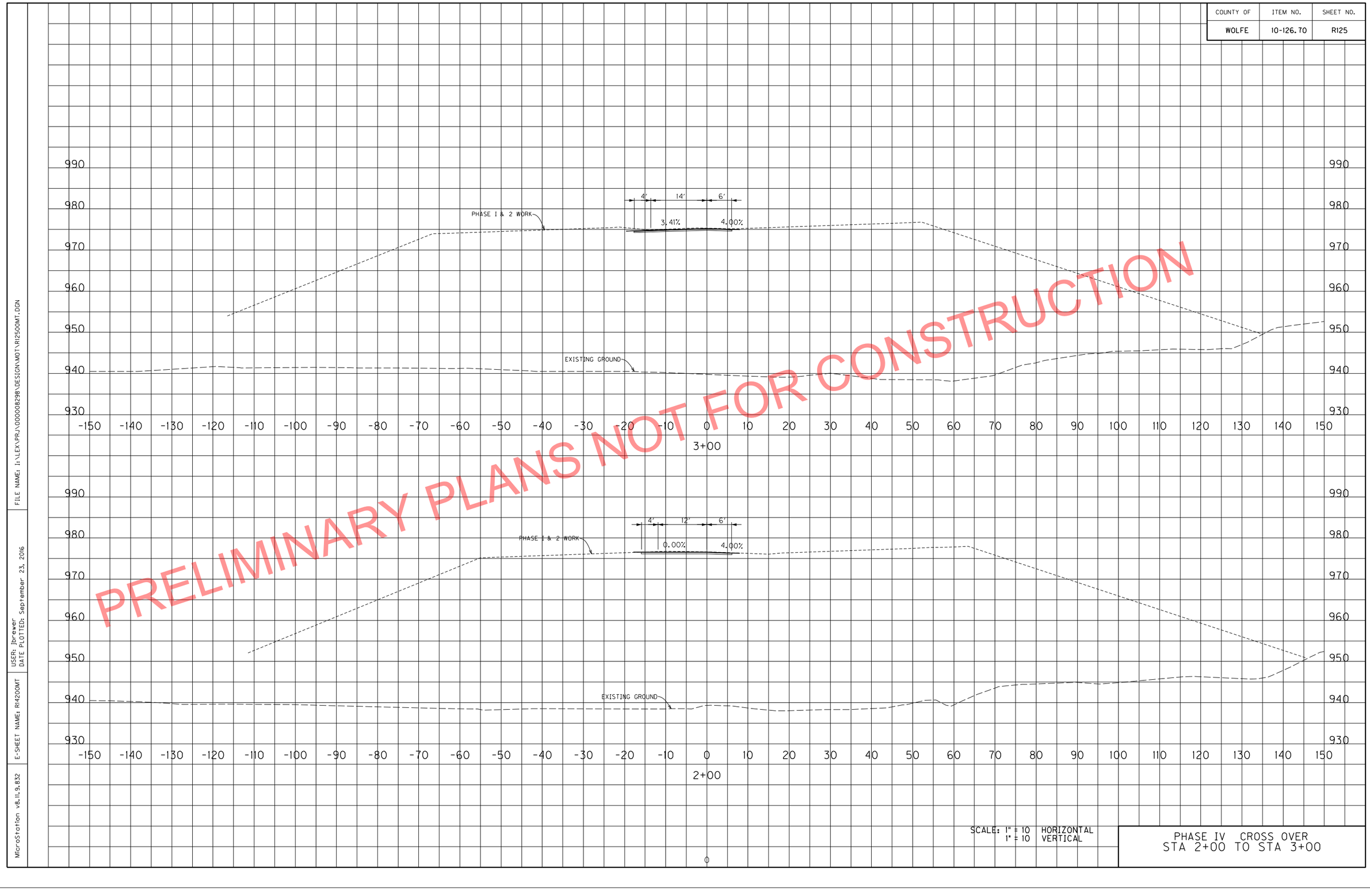

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE IV CROSS OVER
STA 0+00 TO STA 1+00

MicroStation v8.11.9.832
E-SHEET NAME: R4100MT
USER: Jmteronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RI240MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R125 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

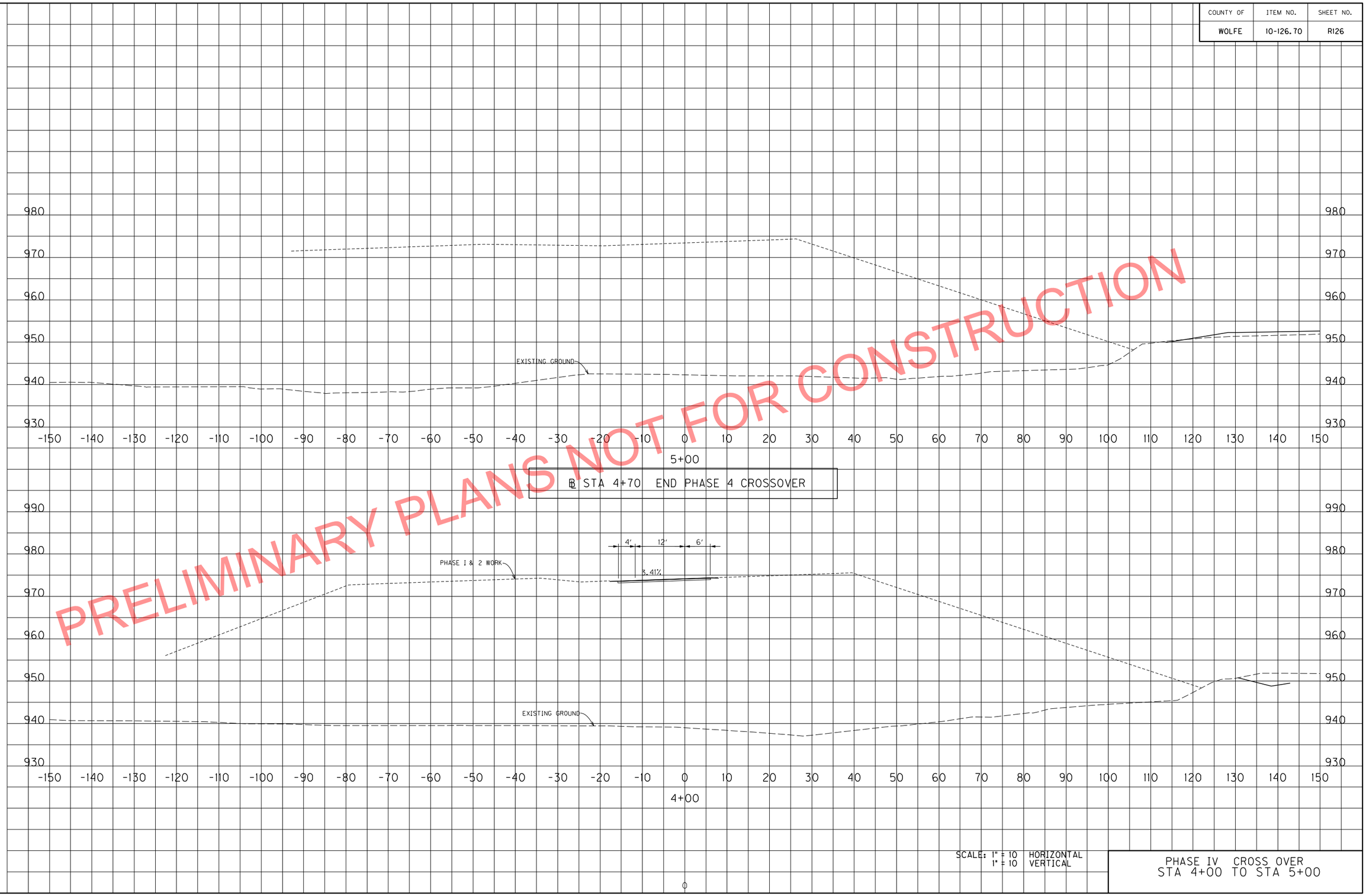
SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

PHASE IV CROSS OVER
STA 2+00 TO STA 3+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R125OMT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1200MT
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R126 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION




SCALE: 1" = 10 HORIZONTAL
1" = 10 VERTICAL

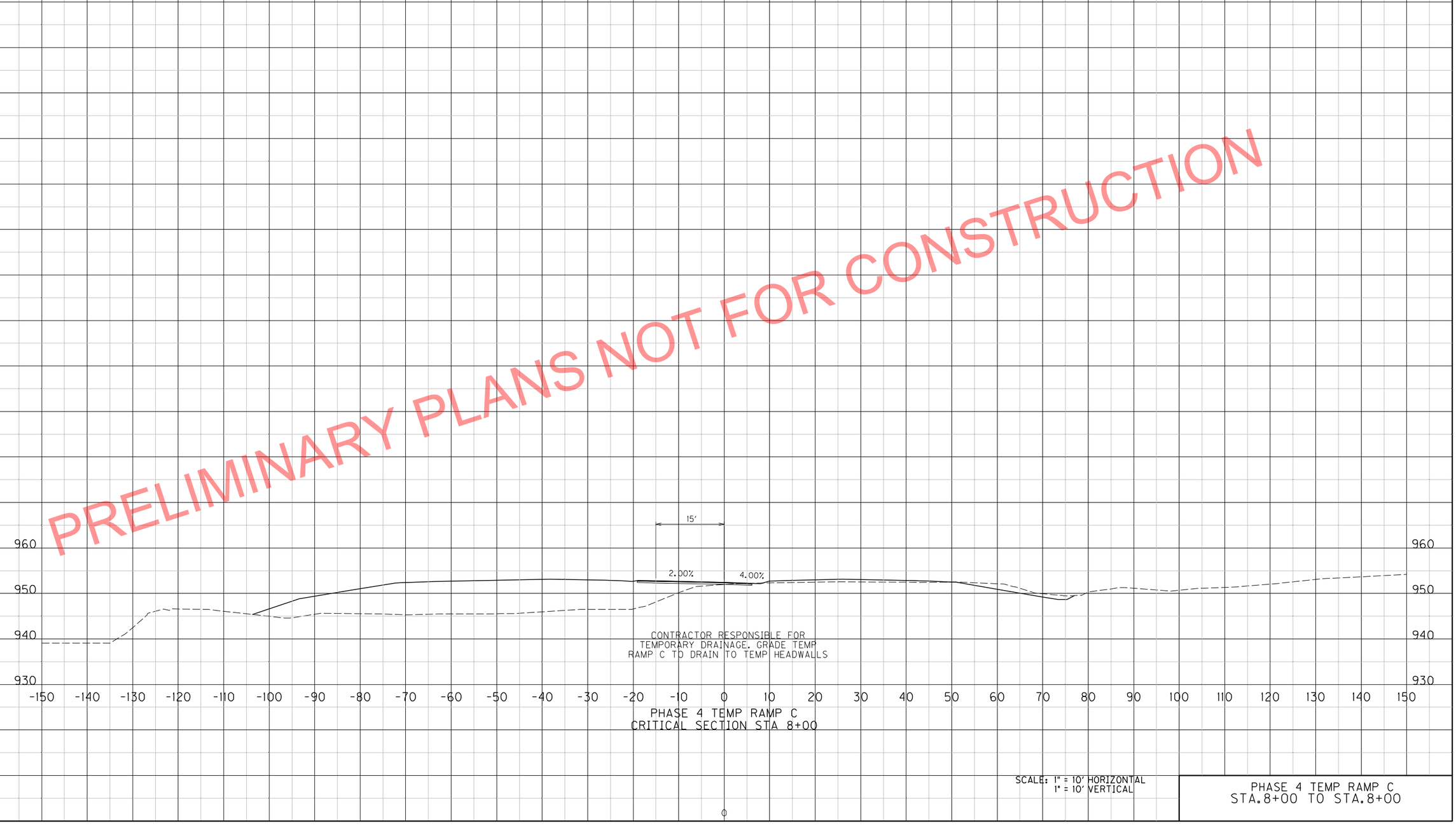
PHASE IV CROSS OVER
STA 4+00 TO STA 5+00

MicroStation v8.11.9.832
E-SHEET NAME: R4300MT
USER: jhieronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R2600MT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R127 |

| ROCK ROAD BED | REFILL | EMB. BENCH | GRAN. EMB. | COM | EMB | ROCK EXC | DT LT | DT RT |
|---|---|---|---|---|---|---|---|---|

PRELIMINARY PLANS NOT FOR CONSTRUCTION




PHASE 4 TEMP RAMP C
CRITICAL SECTION STA 8+00

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

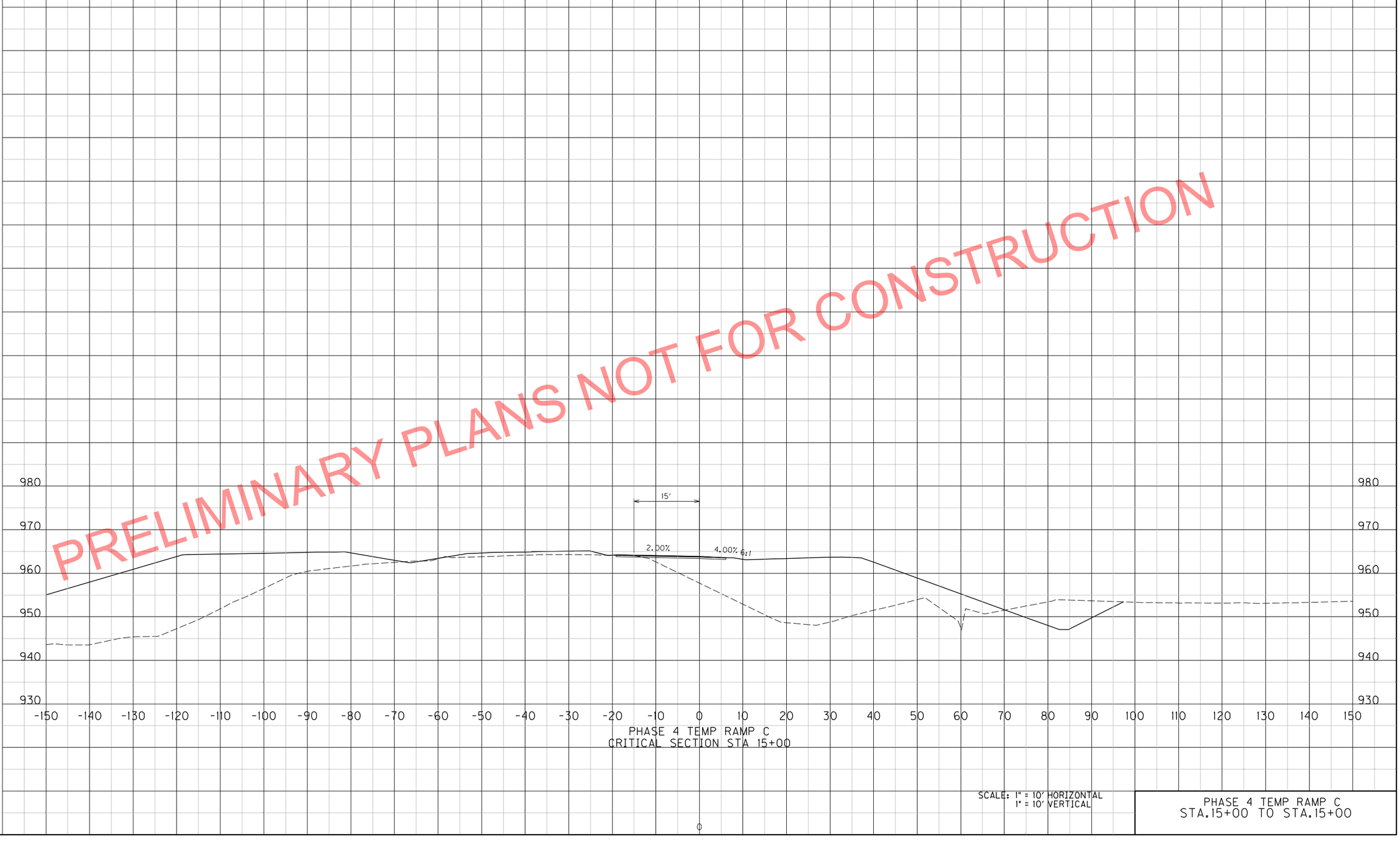
PHASE 4 TEMP RAMP C
STA. 8+00 TO STA. 8+00

MicroStation v8.11.9.832
E-SHEET NAME:
USER: BCOOMES
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\000008298\DESIGN\MOT\R127OOMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R128 |

| ROCK ROAD BED | REFILL | EMB. BENCH | GRAN. EMB. | COM | EMB | ROCK EXC | DT LT | DT RT |
|---|---|---|---|---|---|---|---|---|

PRELIMINARY PLANS NOT FOR CONSTRUCTION




PHASE 4 TEMP RAMP C
CRITICAL SECTION STA 15+00

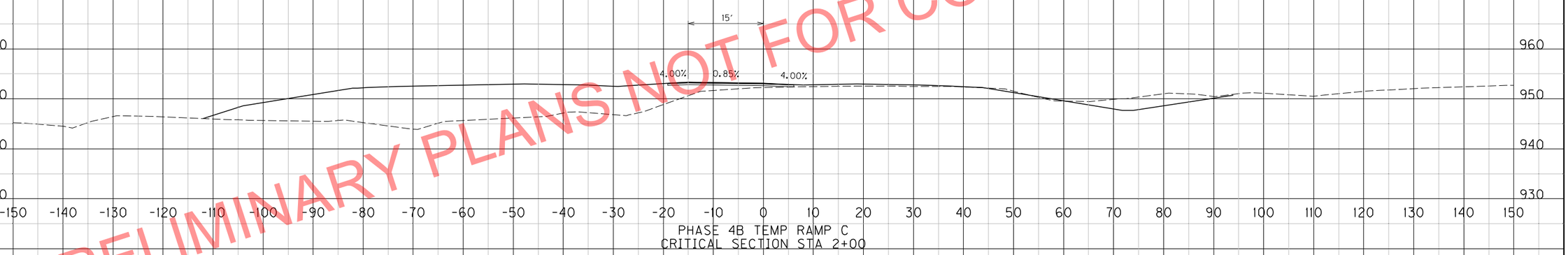
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

PHASE 4 TEMP RAMP C
STA.15+00 TO STA.15+00

MicroStation v8.11.9.832
E-SHEET NAME:
USER: jhieronymus
DATE PLOTTED: September 23, 2016
FILE NAME: i:\LEX\PRJ\000008298\DESIGN\MOT\R128OMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R129 |

| ROCK ROAD BED | REFILL | EMB. BENCH | GRAN. EMB. | COM | EMB | ROCK EXC | DT LT | DT RT |
|---|---|---|---|---|---|---|---|---|




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

PHASE 4B TEMP RAMP C
STA.2+00 TO STA.2+00

MicroStation v8.11.9.832
E-SHEET NAME:
USER: jhieronymus
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R129OOMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R129A |

## CONTROL POINTS

| PI POINT | State Plane Coordinates | |
|---|---|---|
| | NORTH (Y) | EAST (X) |
| ALTERNATE EAST END TIE-IN | | |
| 51+88.04 | 3807549.20 | 5626208.65 |
| 62+29.76 | 3807999.41 | 5627151.16 |
| ALTERNATE CR 1226 TIE-IN | | |
| 10+97.70 | 3807789.01 | 5627071.37 |
| 12+80.41 | 3807948.72 | 5627165.96 |

EARTHWORK
TOTALS
EMB 659 CY

LT ALT EAST END TIE-IN STA 56+00 TO STA 62+00
CONST 600 LF OF GUARDRAIL (NOTE: 7' POSTS)
TIE TO PROPOSED GUARDRAIL
TIE TO EXISTING GUARDRAIL

℄ MT PKWY
STA 247+29.68
END WB FULL DEPTH
CONSTRUCTION

℄ MT PKWY
STA 252+67.06
END EB FULL DEPTH
CONSTRUCTION

℄ ALT CR 1226
TIE-IN

℄ ALT EAST END TIE-IN

℄ MT PKWY

℄ CR 1226

MODIFY DBI:
PLACE COVER FOR TEMP FILL &
INCORPORATE TEMP STORM
PIPE CONNECTION. INCIDENTAL
TO TEMP ALTERNATE EAST END
TIE-IN.

ALT EAST END TIE-IN
PI STA 51+88.04
Δ = 17°06'37" LT
T = 188.04'
L = 373.29'
R = 1250.00'
E = 14.07'
e = 6.68%
Runoff = 179'
Runout = 54'
DS= 55 MPH

ALT EAST END TIE-IN STA 55+00, 16.62' RT
CONST DBI TY 5B (H=3.50)
WITH 257 LF OF 18" STORM PIPE

RT ALT EAST END TIE-IN STA 59+38 TO STA 62+37
CONST 300 LF OF GUARDRAIL
WITH (1) END TREATMENT TY I
TIE TO EXISTING GUARDRAIL

ALT CR 1226 TIE-IN
PI STA 11+97.70
Δ = 34°47'07" LT
T = 46.99'
L = 91.07'
R = 150.00'
E = 7.19'
e = RC
Runoff = N/A
Runout = N/A
DS= 35 MPH

ALT CR 1226 TIE-IN
PI STA 13+80.41
Δ = 40°23'54" LT
T = 27.96'
L = 53.59'
R = 76.00'
E = 4.98'
e = RC
Runoff = N/A
Runout = N/A
DS= 35 MPH

0' 50' 100' 200'

SCALE: 1"= 50'

ALTERNATE EAST END TIE-IN
MAINTENANCE OF TRAFFIC SHEET
STA 50+00 TO STA 62+29.76

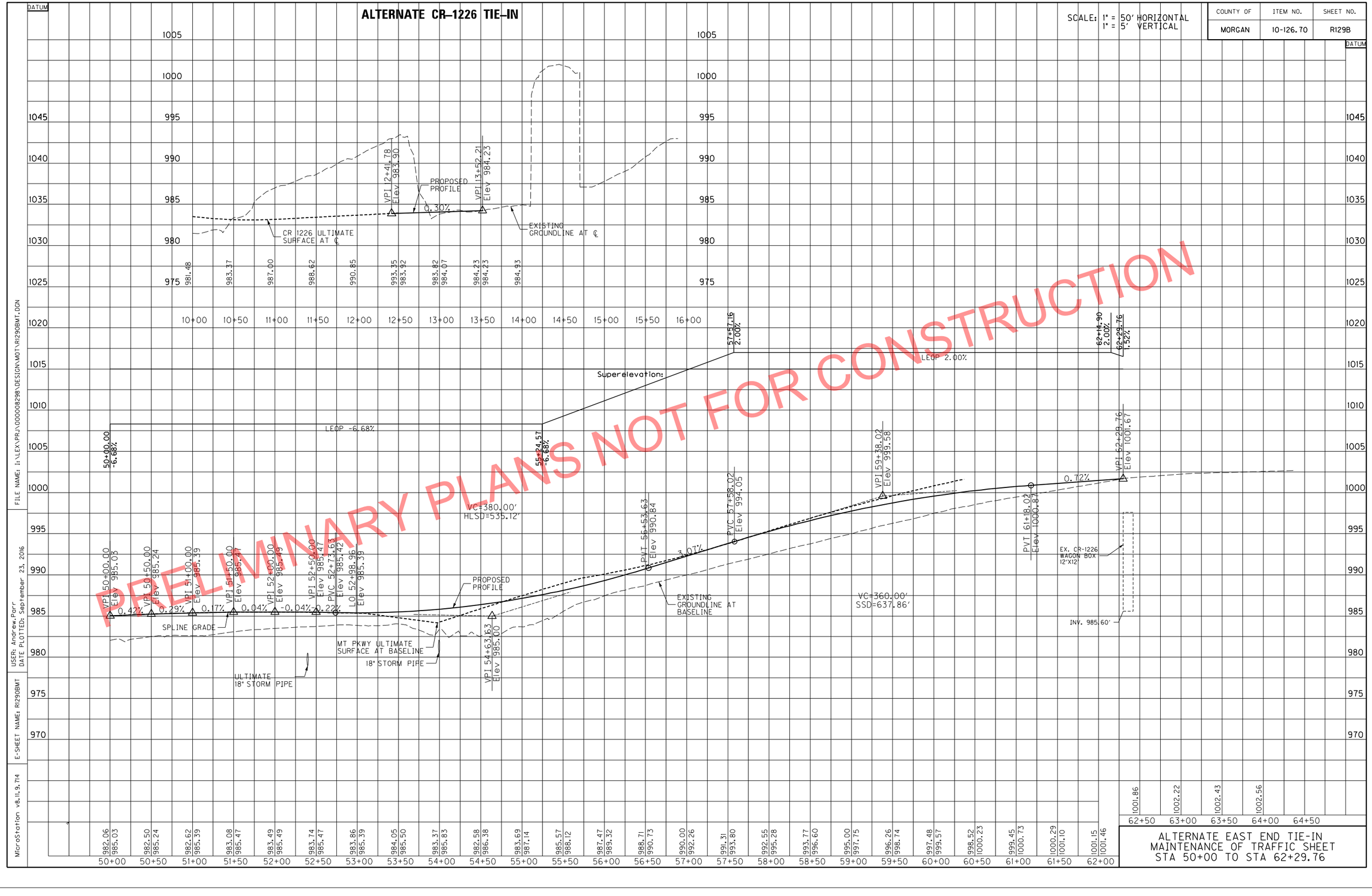
PRELIMINARY PLANS NOT FOR CONSTRUCTION

MicroStation v8.11.9.832
E-SHEET NAME: R1290AMT
USER: BCOOMES
DATE PLOTTED: September 23, 2016
FILE NAME: I:\EX\PRJ\0000008298\DESIGN\MOT\R1290AMT.DGN

# ALTERNATE CR-1226 TIE-IN

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R129B |

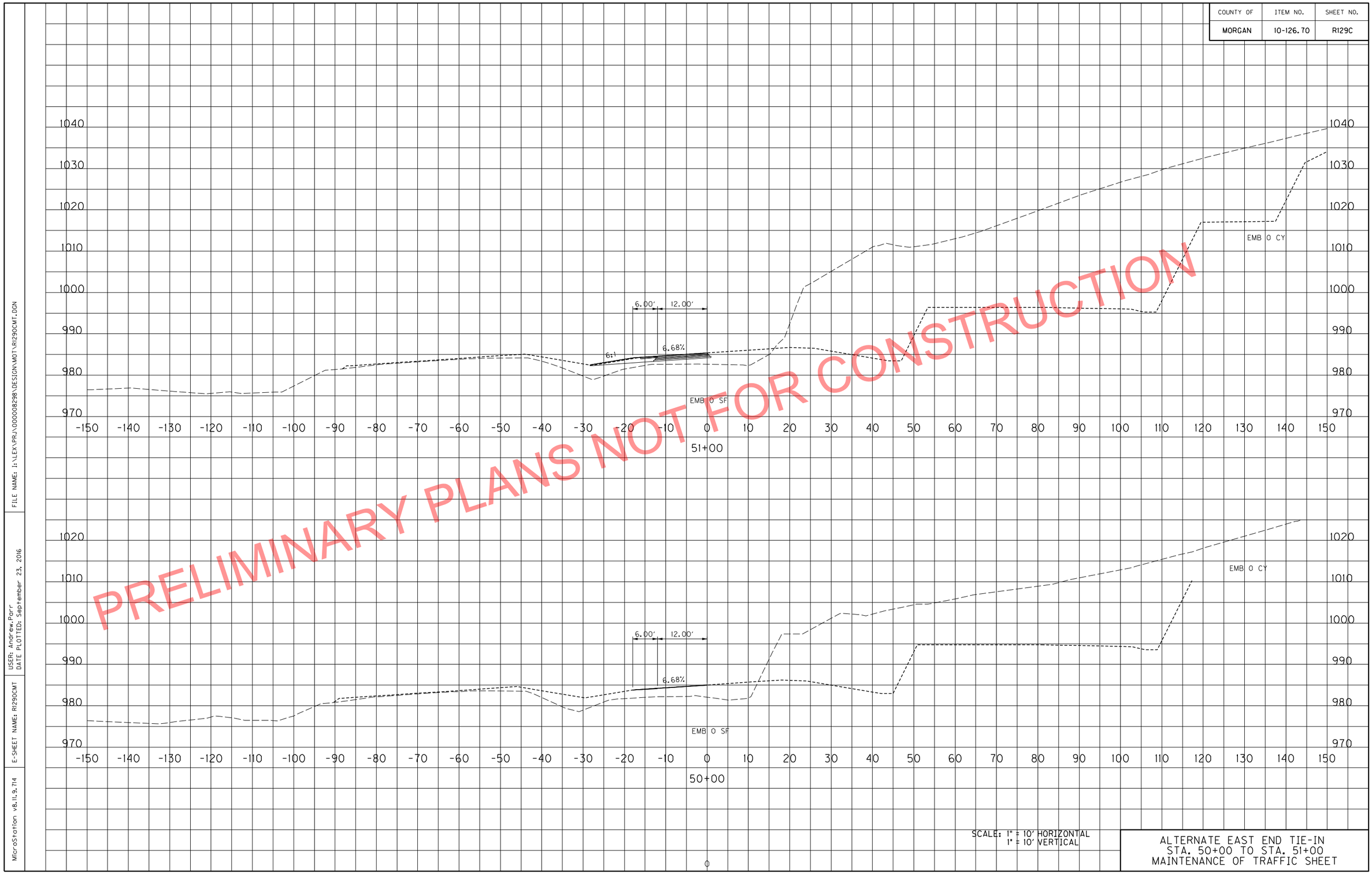



PRELIMINARY PLANS NOT FOR CONSTRUCTION

ALTERNATE EAST END TIE-IN
MAINTENANCE OF TRAFFIC SHEET
STA 50+00 TO STA 62+29.76

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R129BMT.DGN
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R129BMT
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R129C |



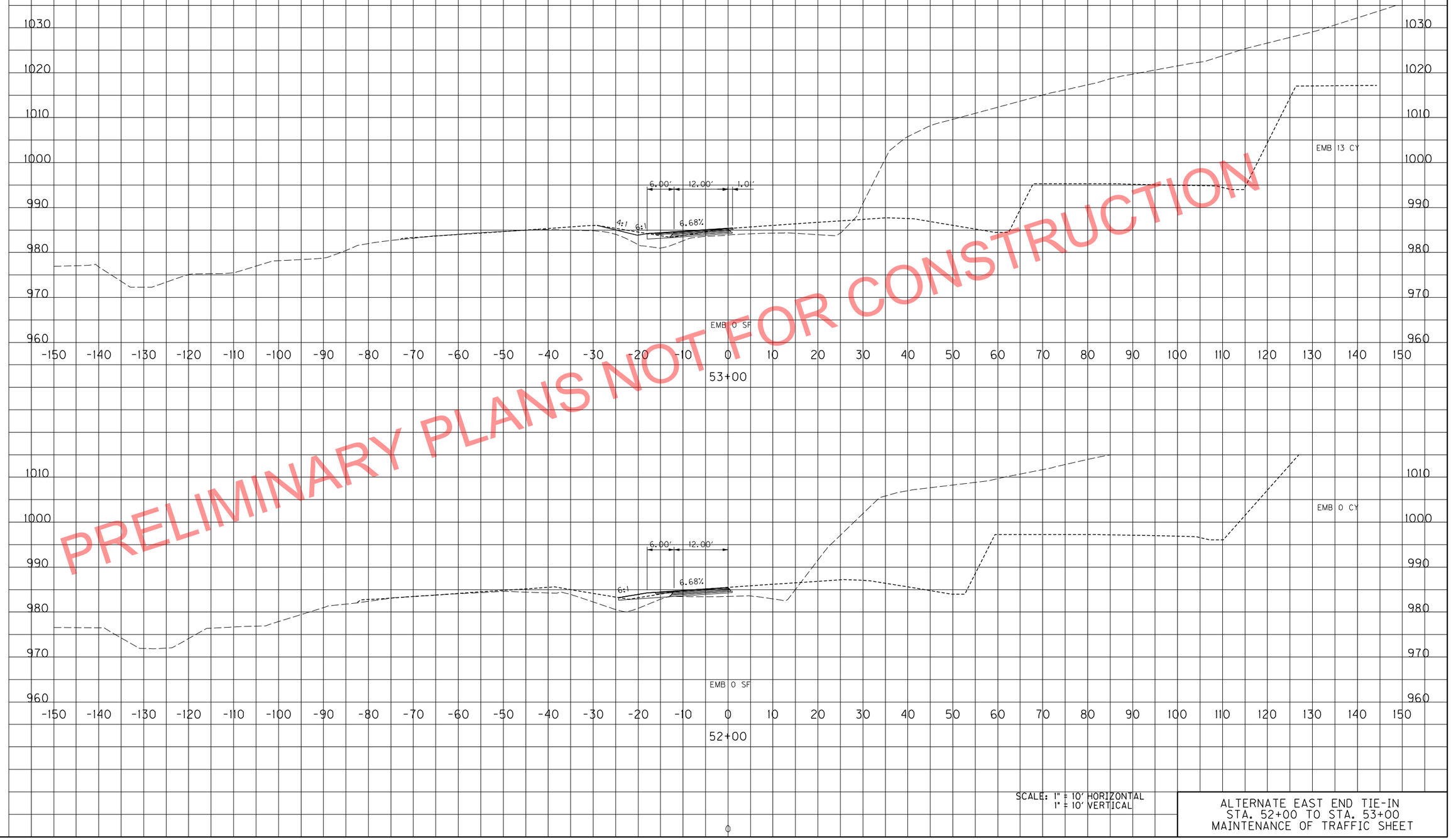

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 50+00 TO STA. 51+00
MAINTENANCE OF TRAFFIC SHEET

MicroStation v8.11.9.714
E-SHEET NAME: R129OCMT
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R129OCMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R129D |



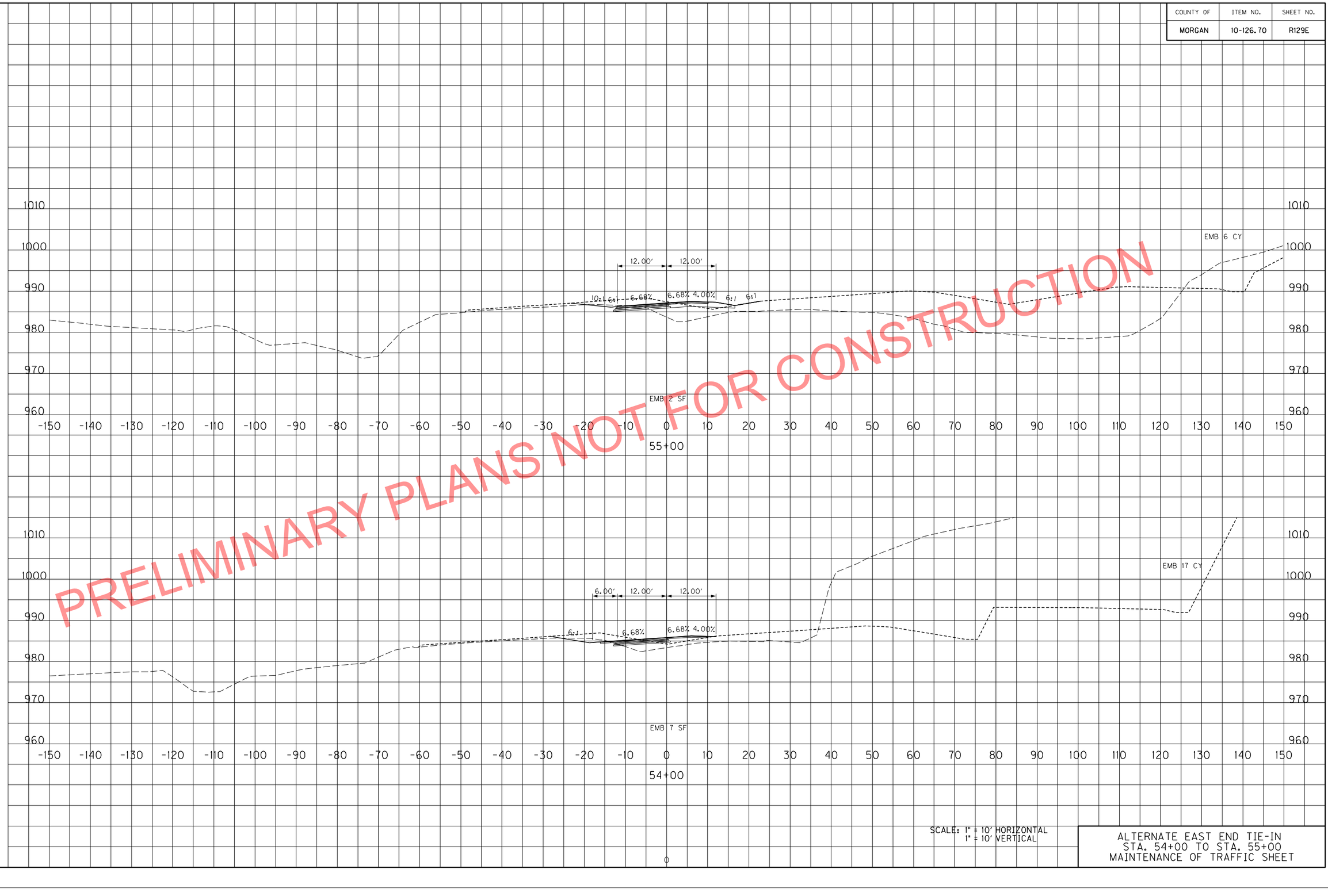

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 52+00 TO STA. 53+00
MAINTENANCE OF TRAFFIC SHEET

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R129DMT.DGN
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R129DMT
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R129E |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 54+00 TO STA. 55+00
MAINTENANCE OF TRAFFIC SHEET

MicroStation v8.11.9.714
E-SHEET NAME: R129OEMT
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R129OEMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | RI29F |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

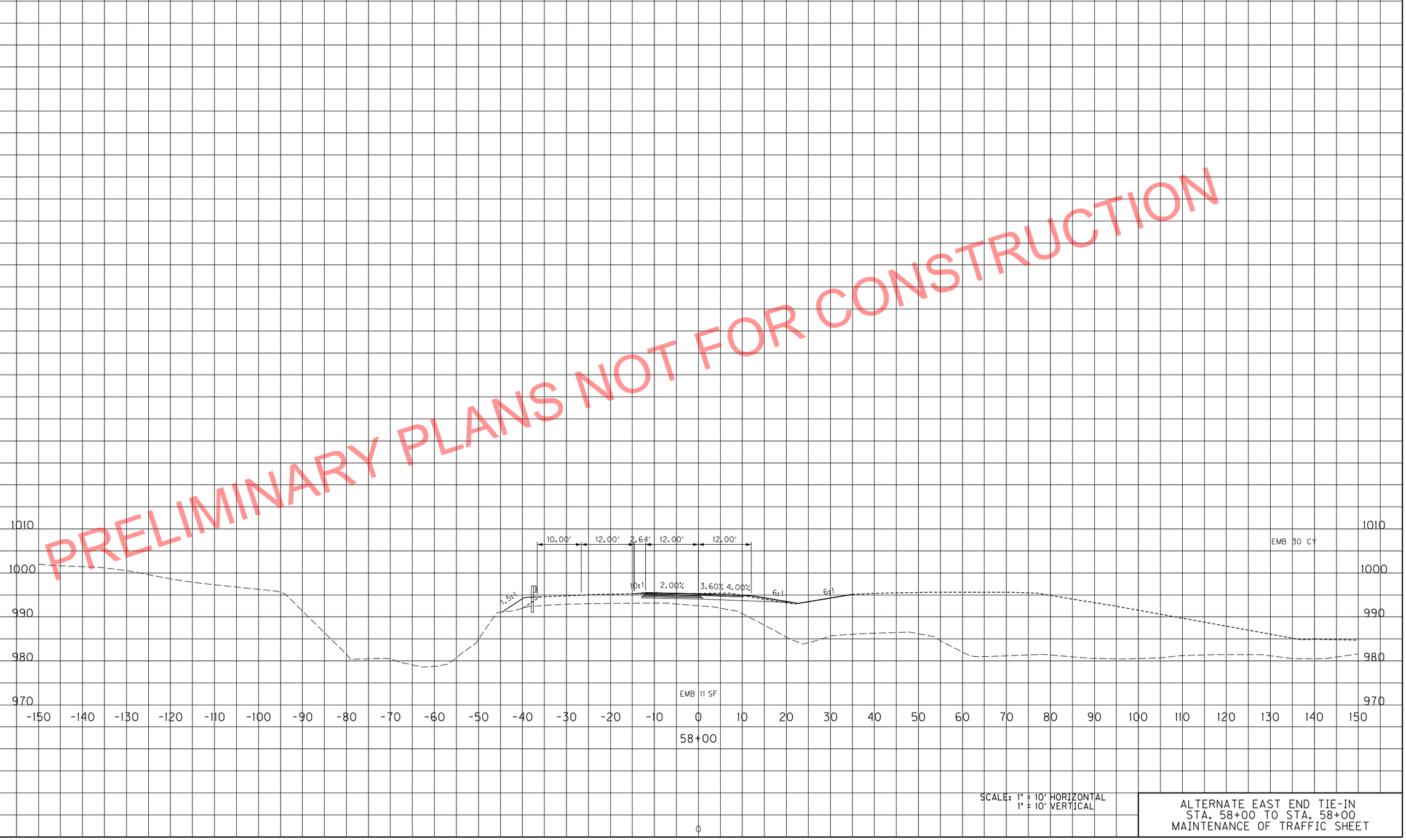
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 56+00 TO STA. 57+00
MAINTENANCE OF TRAFFIC SHEET

MicroStation v8.11.9.714
E-SHEET NAME: RI29OFMT
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RI29OFMT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R129G |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

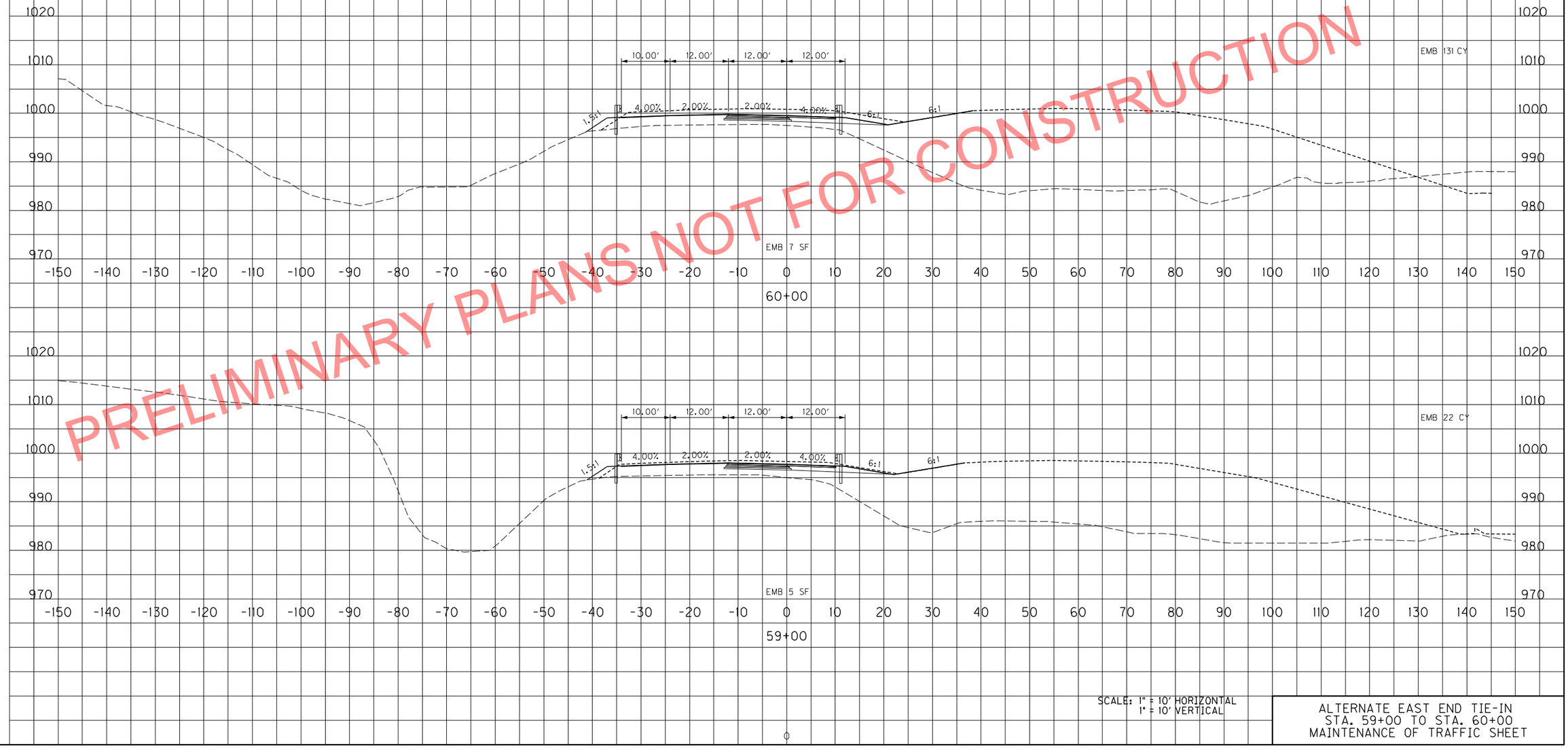



SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 58+00 TO STA. 58+00
MAINTENANCE OF TRAFFIC SHEET

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R129GMT.DGN
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R129GMT
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | RI29H |



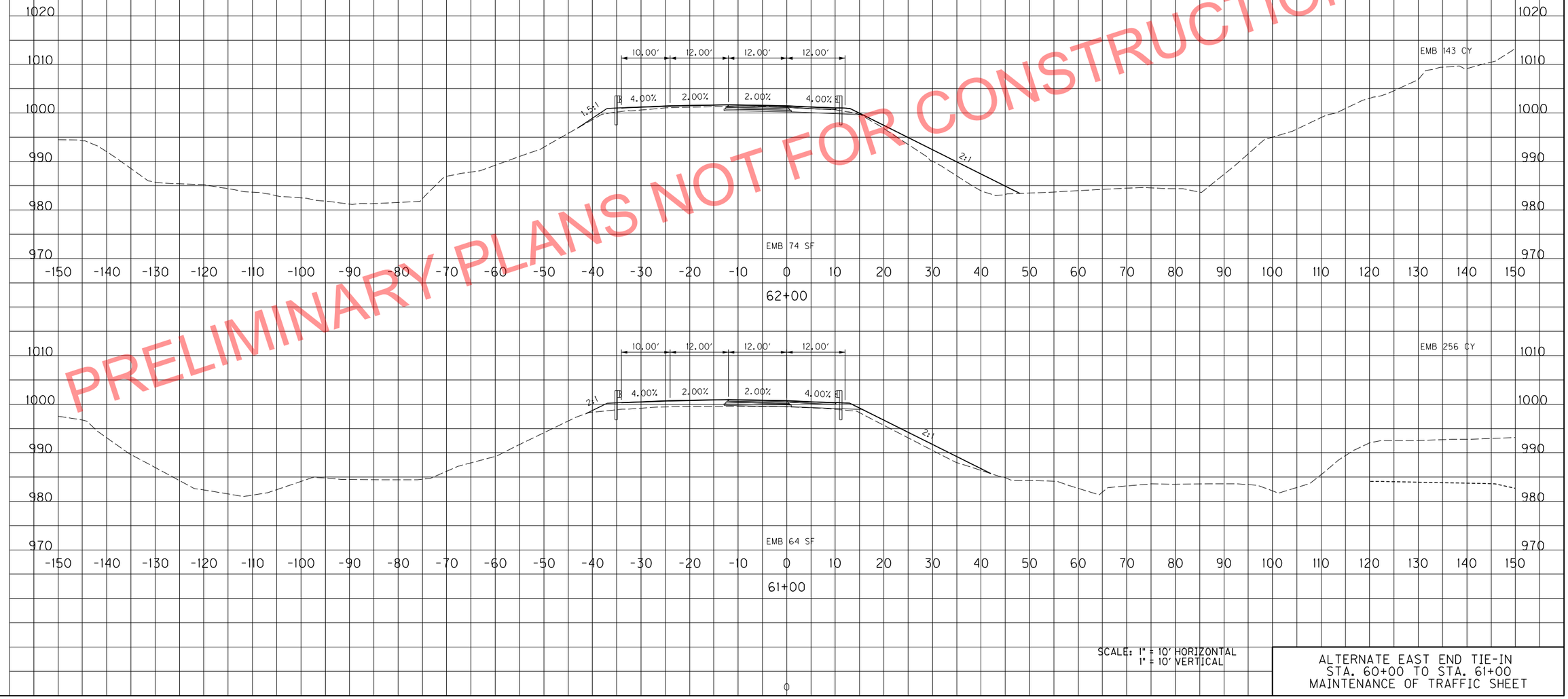

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 59+00 TO STA. 60+00
MAINTENANCE OF TRAFFIC SHEET

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RI290MT.DGN
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI290MT
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R1291 |



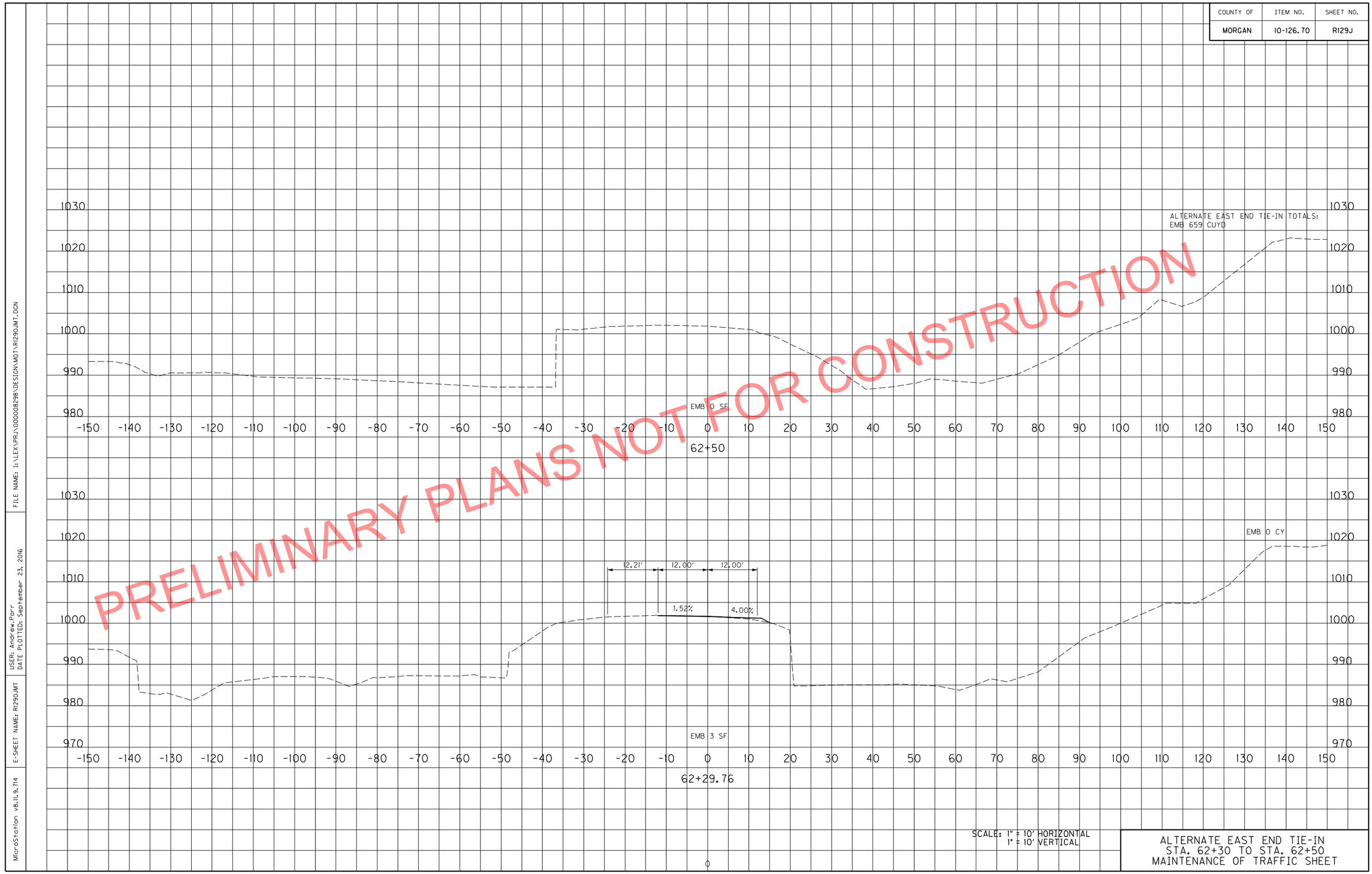

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 60+00 TO STA. 61+00
MAINTENANCE OF TRAFFIC SHEET

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R1290IMT.DGN
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1290IMT
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R129J |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

ALTERNATE EAST END TIE-IN
STA. 62+30 TO STA. 62+50
MAINTENANCE OF TRAFFIC SHEET

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\R129OJMT.DGN
USER: Andrew.Parr
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R129OJMT
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | RI29K |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

230+00
235+00
240+00
245+00
250+00
255+00
55+00
60+00

℄ MT PKWY
STA 247+29.68
END WB FULL DEPTH
CONSTRUCTION

℄ MT PKWY
STA 252+67.06
END EB FULL DEPTH
CONSTRUCTION

℄ MT PKWY STA 242+35.30=
℄ ALT EAST END TIE-IN PC STA 50+00.00

℄ MT PKWY STA 254+60.11=
℄ ALT EAST END TIE-IN PI STA 62+29.70

℄ MT PKWY
℄ CR 1226
℄ ALT EAST END TIE-IN
℄ CR 1226 TIE-IN

6" SSYL
6" SBWL
6" SSWL
+15.20
44.00°
+35.30
32.00°
+30.20
34.65
6" DSYL
PI 15+88.04
PI 53+73.29
PT 15+89.42
POE 64+36.47
PT 14+06.04
PI 13+80.41
PT 13+52.45
PT 12+41.78
PI 11+49.71
PC 11+50.71
℄ CR 1226 TIE-IN
℄ CR 1226 STA 10+00.00
℄ CR 1226 STA 53+00.00=
℄ CR 1226 TIE-IN POB STA 10+00.00
W6-3
48"x48"
TO SALYERSVILLE →

W6-1 48" X 48"
KY 9009
MEDIAN CROSSOVER
2,640 FT
1,500 FT
1,000 FT
RIGHT LANE ENDS
W9-1R 48" X 48"
W9-1R 48" X 48"
W4-2 48" X 48"
W6-2 48" X 48"

ADVANCE WARNING SIGN SETUP ALT EAST END TIE-IN

| PAVEMENT MARKINGS |
|---|
| SSWL -- SINGLE SOLID WHITE LINE |
| SBWL -- SINGLE BROKEN WHITE LINE |
| DSYL -- DOUBLE SOLID YELLOW LINE |
| SSYL -- SINGLE SOLID YELLOW LINE |
| SDWL -- SINGLE DASHED WHITE LINE |
| ——— -- 24" STOP BAR |
| -- TURN ARROW |

INSTALL PAVEMENT MARKERS AS SHOWN IN STD DRAWINGS TPM-120-03, TPM-115-03, TPM-105-03

INSTALL FLEXIBLE DELINEATOR POSTS AS SHOWN IN STD DRAWING TPM-170

0' 100' 200' 400'

SCALE: 1"=100'

# ALTERNATE EAST END TIE-IN MAINTENANCE OF TRAFFIC SHEET STA 50+00 TO STA 62+29.76

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\MOT\RI290KMT.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI290KMT
MicroStation v8.11.9.714

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R130 |

## EROSION CONTROL NOTES

ALL SILT CONTROL DEVICES SHALL BE SIZED TO RETAIN A VOLUME OF 3,600 CUBIC FEET PER DISTURBED CONTRIBUTING ACRE.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED GROUND DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL COMPUTE THE VOLUME NECESSARY TO CONTROL SEDIMENT DURING EACH PHASE OF CONSTRUCTION. AS WORK PROCEEDS, SILT TRAPS MAY BE ADDED OR REMOVED IN ORDER TO ACHIEVE THE BEST MANAGEMENT PLAN. THE REQUIRED VOLUME AT EACH ADDED SILT TRAP SHALL BE COMPUTED AS UP GRADIENT CONTRIBUTING AREAS ARE DISTURBED OR ARE STABILIZED TO THE SATISFACTION OF THE ENGINEER. THE REQUIRED VOLUME CALCULATION FOR EACH SILT TRAP SHALL BE DETERMINED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER. THE REQUIRED VOLUME AT EACH SILT TRAP MAY BE REDUCED BY THE FOLLOWING AMOUNTS:

- UP GRADIENT AREAS NOT DISTURBED (ACRES).
- UP GRADIENT AREAS THAT HAVE BEEN RECLAIMED AND PROTECTED BY EROSION CONTROL BLANKET OR OTHER GROUND PROTECTION MATERIAL SUCH AS TEMPORARY MULCH.(ACRES).
- THE USE OF TEMPORARY MULCH IS ENCOURAGED.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT FENCE (ACRES). AREAS PROTECTED BY SILT FENCE SHALL BE COMPUTED AT A MAXIMUM RATE OF 100 SQUARE FOOT PER LINEAR FOOT OF SILT FENCE.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT TRAPS (ACRES).

THE EROSION CONTROL PLAN SHALL BE ANNOTATED AS THE WORK PROCEEDS BY THE CONTRACTOR TO DETAIL THE SELECTION OF EACH EROSION CONTROL DEVICE USED AND THE VOLUME PROVIDED BY EACH SILT TRAP IN ACCORDANCE WITH THE DOCUMENTATION PROCEDURES ESTABLISHED BY THE DIVISION OF CONSTRUCTION.

IF A SILT BASIN IS NOT USED THEN ONE SILT TRAP TYPE A, ALTERNATE NUMBER 2 OR SILT TRAP TYPE B SHALL ALWAYS BE PLACED AT THE MOST REMOTE DOWNSTREAM COLLECTION POINT PRIOR TO DISCHARGING INTO A BLUE LINE STREAM OR ONTO AN ADJACENT PROPERTY OWNER. WHERE OVERLAND FLOW EXIST, A SILT FENCE OR OTHER FILTER DEVICES MAY BE USED OR THE OVERLAND FLOW MAY BE DIVERTED TO ONE OF THE AFOREMENTIONED SILT BASIN OR TRAPS.

THE EROSION CONTROL PLANS DO NOT CONSTITUTE A BMP BY THEMSELVES. THEY PROVIDE A STARTING POINT FOR THE CONTRACTOR AND SECTION ENGINEER TO DEVELOP THE BMP ACCORDING TO SECTION 213.03.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SUPPLEMENTAL SPECS EFFECTIVE WITH THE JUNE, 2012 LETTING.

EROSION CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY EXCAVATION OR DISTURBANCE WITHIN A DRAINAGE AREA.

THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT TRAPS AND SILT FENCES WHENEVER THEY BECOME ONE- HALF FULL AND PROPERLY DISPOSE OF THE MATERIAL AT SITES APPROVED BY THE SECTION ENGINEER.

EROSION CONTROL MEASURES EMPLOYED BY THE CONTRACTOR WILL BE UNIQUE TO THE PROJECT AND WORK CONDITIONS AND SHALL BE APPROVED BY THE SECTION ENGINEER. THE DEVELOPMENT AND UTILIZATION OF THESE MEASURES WILL BE RECORDED AS PART OF THE BMP, KEPT ON SITE, AND AVAILABLE FOR PUBLIC INSPECTION.

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R13000EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R14700EC
MicroStation v8.11.9.832

SCALE: 1"=NTS

MOUNTAIN PARKWAY / KY 205
EROSION AND SEDIMENT CONTROL
NOTES

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R131 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 1 | 16.958 | 61048 |
| DDA 2 | 0.403 | 1449 |
| DDA 3 | 6.032 | 21715 |
| | | |

BERT T COMBS MOUNTAIN PKWY KY 402 / KY 9009

℄ EASTBOUND MT PKWY STA 105+59.89=
℄ WESTBOUND MT PKWY STA 5+61.95
BEGIN CONSTRUCTION

℄ WB MT PKWY

℄ EB MT PKWY

DDA 1
SEE RIGHT-OF-WAY PLANS
FOR EXCAVATION EXCESS
MATERIAL SITE EXTENT
(LANDLOCKED)

DDA 2

DDA 3

EXIST. R/W & C.A.

PROP. & EXIST. R/W & C.A.

PROP. R/W & C.A.

30' TELEPHONE EASEMENT

Const Limits

SPEC 2' FB DITCH

36" CMP

18" CMP

IE 977.15

IE 972.47

WB 110+00

EB 110+00

MATCHLINE STA 111+00

MATCHLINE STA 11+00

N 70°42'27" E

N 70°34'47" E

N 72°45'41" E

N 72°41'23" E

| EROSION CONTROL LEGEND | |
|---|---|
| SILT TRAP TYPE A ALTERNATE 1 | TA |
| SILT TRAP TYPE A ALTERNATE 2 | |
| SILT TRAP TYPE B | |
| SILT TRAP TYPE C | |
| SILT FENCE | SF |
| TEMPORARY SILT DITCH | |
| DISTURBED DRAINAGE AREA | |
| OVERLAND SHEET FLOW | |
| PROPOSED R/W | |
| PROPOSED EASEMENT | |

| DITCH CONSTRUCTION LT ℄ WB MT PKWY | | | | | |
|---|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | | |
| | | TYPE | DEPTH | QUANTITY | |
| 6+00 - 10+65 | SPEC 3' FB | CLASS IV | 3.0' | 1250 CUYD | |
| 10+65 -11+00 | SPEC 3' FB | ROCK CUT | | | |

| DITCH CONSTRUCTION LT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 109+40 - 111+00 | TYP V | ECB | 1.5' | 363 SQYD |

| DITCH CONSTRUCTION RT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 108+51 - 111+00 | SPEC 2' FB | CLASS IV | 1.5' | 196 CUYD |

0' 50' 100' 200'

SCALE: 1"= 50'

MT PKWY
EROSION CONTROL PLANS
STA 105+59.89 TO STA 111+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R13100EC.DGN
USER: jhieronymus
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R14800EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R132 |

| DITCH CONSTRUCTION RT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 111+00 - 112+52 | SPEC 2' FB | CLASS IV | 1.5' | 126 CUYD |
| 112+52 - 114+02.13 | SPEC 3' FB | CLASS IV | 1.5' | 230 CUYD |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 114+02.13 - 122+00 | TYP V | ECB | 1.5' | 1807 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 114+02.13 - 115+50 | SPEC 3' FB | CLASS IV | 1.5' | 196 CUYD |
| 115+50 - 116+64 | SPEC VAR FB | CLASS IV | 3.0' | 332 CUYD |
| 116+64 - 117+00 | SPEC 3' FB | CLASS IV | 1.5' | 32 CUYD |
| 117+00 - 119+00 | SPEC 3' FB | ROCK CUT | | |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 1 | 19.546 | 70366 |
| DDA 2 | 0.403 | 1449 |
| DDA 3 | 6.032 | 21715 |
| DDA 4 | NOT USED | NOT USED |
| DDA 5 | 0.506 | 1821 |
| DDA 6 | NOT USED | NOT USED |

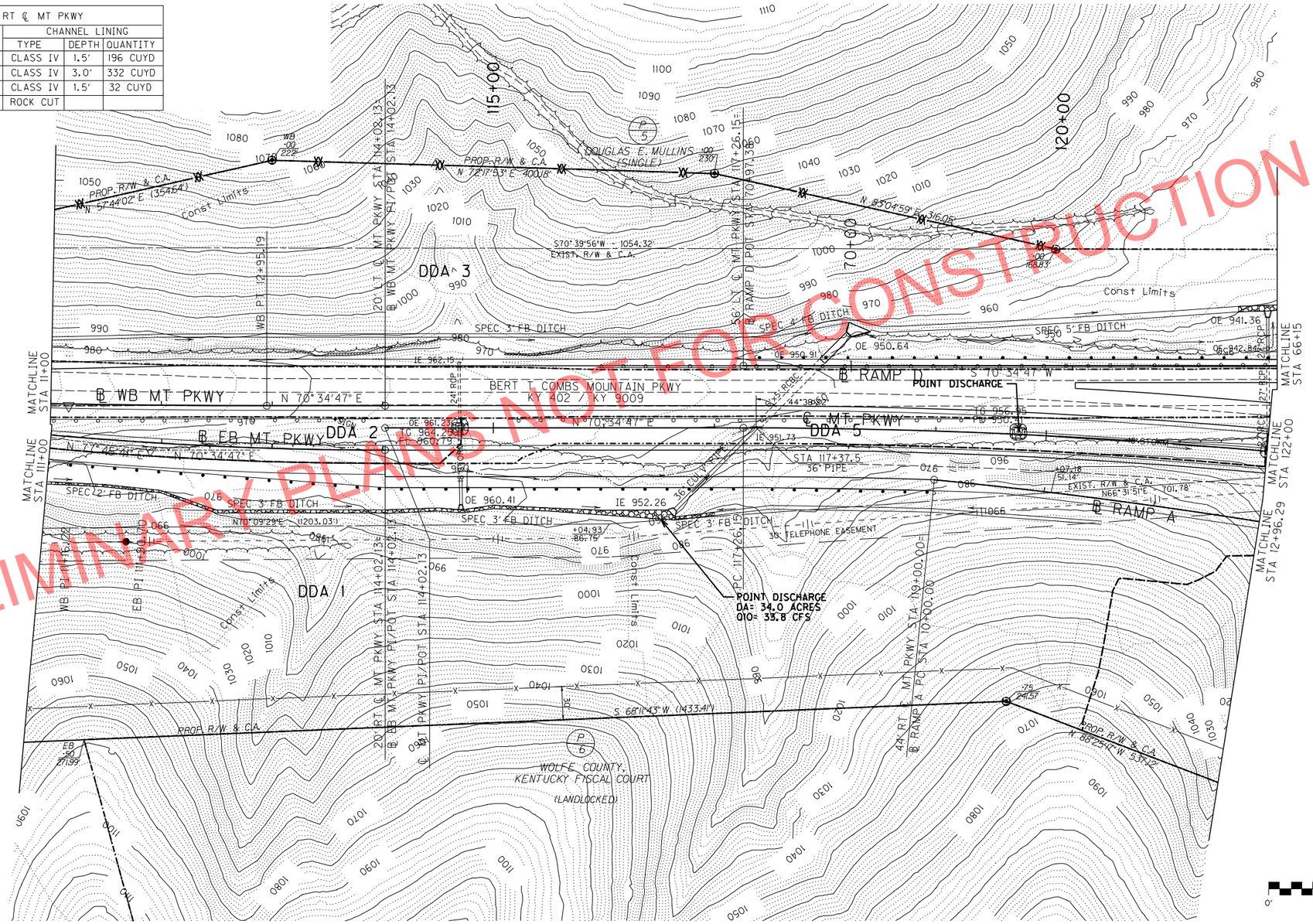
| DITCH CONSTRUCTION LT ℄ EB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYP | DEPTH | QUANTITY |
| 111+00 - 114+02.13 | TYP V | ECB | 1.5' | 684 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 10+00 - 11+55 | SPEC 3' FB | ROCK CUT | | |
| 11+55 - 12+96.29 | TYP 3' FB | ROCK CUT | | |

| DITCH CONSTRUCTION LT ℄ WB MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 11+00 - 14+02.13 | SPEC 3' FB | ROCK CUT | | |

| DITCH CONSTRUCTION LT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 114+02.13 - 117+00 | SPEC 3' FB | ROCK CUT | | |
| 117+00 - 117+26.15 | SPEC 4' FB | ROCK CUT | | |

| DITCH CONSTRUCTION RT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 66+15 - 66+50 | SPEC 5' FB | CLASS IV | 4.0' | 94 CUYD |
| 66+50 - 70+02 | SPEC 5' FB | ROCK CUT | | |
| 70+02 - 70+97.38 | SPEC 4' FB | ROCK CUT | | |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF —
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

0' 50' 100' 200'

SCALE: 1"= 50'

MT PKWY
EROSION CONTROL PLANS
STA 111+00 TO STA 122+00

MicroStation v8.11.9.832
E-SHEET NAME: R1490DEC
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R1320DEC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R133 |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 122+01-125+78 | TYP V | ECB | 1.5' | 1017 SQYD |
| 125+78-128+67 | SPEC V | ECB | 1.0' | 316 SQYD |
| 132+50 - 133+25 | SPEC V | ECB | 1.0' | 110 SQYD |

| DITCH CONSTRUCTION RT ℞ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 54+70 - 55+00 | SPEC 3' FB | CLASS IV | 3.0' | 69 CUYD |
| 55+00 - 56+50 | SPEC 4' FB | CLASS IV | 3.0' | 320 CUYD |
| 63+50 - 66+15 | SPEC 5' FB | CLASS IV | 4.0' | 706 CUYD |

| DITCH CONSTRUCTION LT ℞ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 54+70 - 57+00 | SPEC 2' FB | ECB | 1.5' | 307 SQYD |
| 59+85 - 63+00 | TYP V | TRM TY I | 1.5' | 560 SQYD |
| 63+00 - 65+28 | SPEC V | ECB | 1.5' | 517 SQYD |

| DITCH CONSTRUCTION LT ℞ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 19+00 - 20+31 | TYP V | ECB | 1.5' | 276 SQYD |
| 23+50 - 24+00 | SPEC 2' FB | ECB | 1.5' | 67 SQYD |

| DITCH CONSTRUCTION RT ℞ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 12+96 - 19+60 | TYP 3' FB | ROCK CUT | | |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 3 | 6.032 | 21715 |
| DDA 6 | 1.171 | 4214 |
| DDA 7 | 4.403 | 15852 |
| DDA 8 | 0.666 | 2399 |
| DDA 9 | 1.027 | 3697 |
| DDA 10 | 0.532 | 1917 |
| DDA 11 | 0.312 | 1125 |
| DDA 12 | 0.199 | 716 |
| DDA 13 | 0.363 | 1307 |
| DDA 14 | 0.151 | 544 |
| DDA 15 | 0.194 | 700 |
| DDA 16 | 0.285 | 1028 |
| DDA 17 | 0.112 | 403 |
| DDA 18 | 2.537 | 9132 |
| DDA 19 | 2.760 | 9937 |
| DDA 20 | 3.746 | 13488 |
| DDA 21 | 1.614 | 5812 |

| EROSION CONTROL LEGEND | |
|---|---|
| SILT TRAP TYPE A ALTERNATE 1 | A1 |
| SILT TRAP TYPE A ALTERNATE 2 | A2 |
| SILT TRAP TYPE B | B |
| SILT TRAP TYPE C | C |
| SILT FENCE | SF |
| TEMPORARY SILT DITCH | |
| DISTURBED DRAINAGE AREA | |
| OVERLAND SHEET FLOW | |
| PROPOSED R/W | |
| PROPOSED EASEMENT | |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 50'

MT PKWY
EROSION CONTROL PLANS
STA 122+00 TO STA 133+25

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R1330EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R15000EC
MicroStation v8.11.9.832

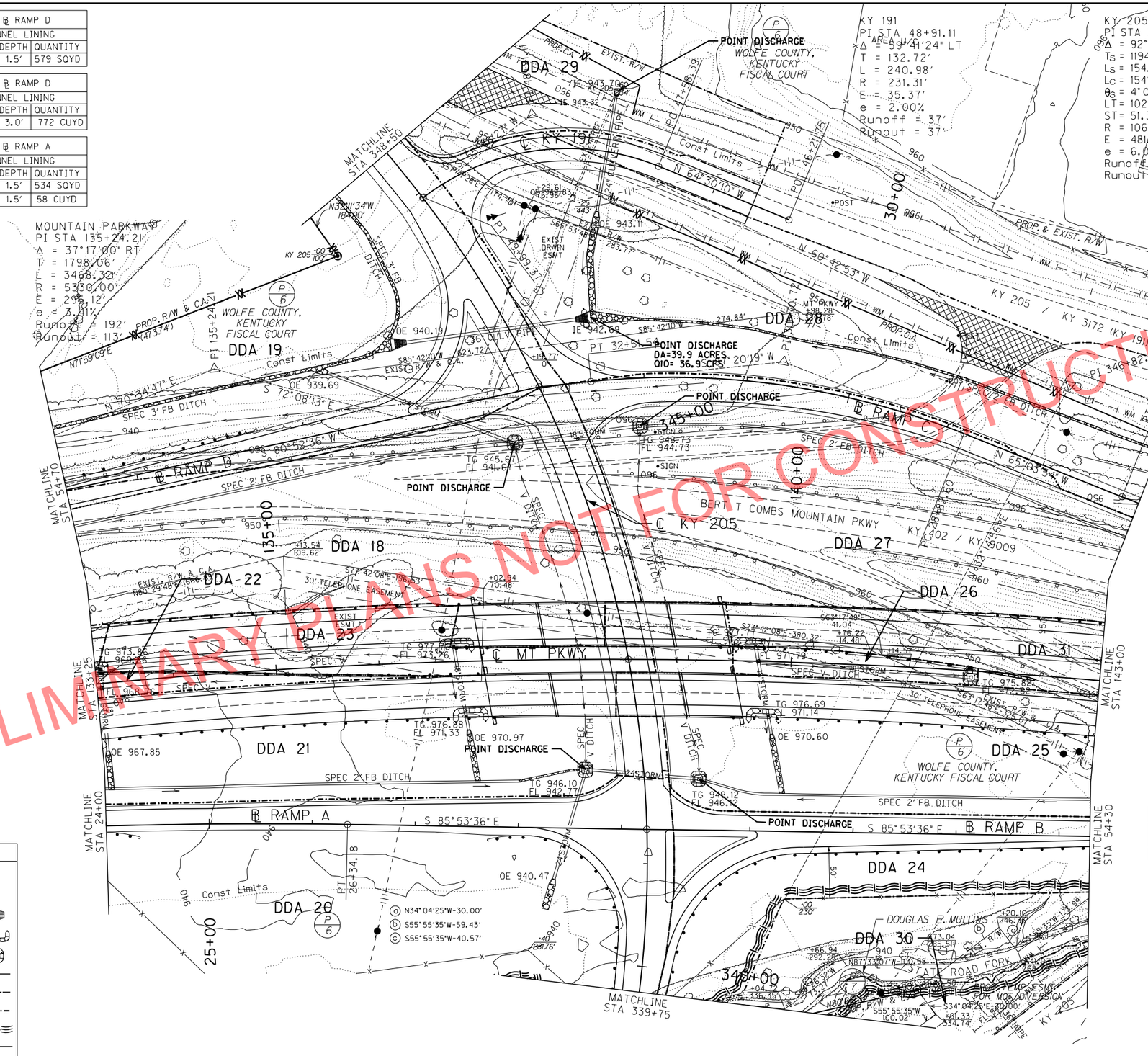
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R134 |

| DITCH CONSTRUCTION LT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 50+36 - 54+70 | SPEC 2' FB | ECB | 1.5' | 579 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP D | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 51+31 - 54+70 | SPEC 3' FB | CLASS IV | 3.0' | 772 CUYD |

| DITCH CONSTRUCTION LT ℄ RAMP A | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 24+00 - 28+00 | SPEC 2' FB | ECB | 1.5' | 534 SQYD |
| 28+00 - 28+65 | SPEC 2' FB | CLASS IV | 1.5' | 58 CUYD |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 18 | 2.537 | 9132 |
| DDA 19 | 2.760 | 9937 |
| DDA 20 | 3.746 | 13488 |
| DDA 21 | 1.614 | 5812 |
| DDA 22 | 0.157 | 564 |
| DDA 23 | 0.488 | 1756 |
| DDA 24 | 2.712 | 9764 |
| DDA 25 | 2.689 | 9679 |
| DDA 26 | 0.133 | 480 |
| DDA 27 | 3.064 | 11031 |
| DDA 28 | 3.707 | 13347 |
| DDA 29 | 1.094 | 3938 |
| DDA 30 | 0.986 | 3550 |
| DDA 31 | 3.889 | 14000 |




| EROSION CONTROL LEGEND | |
|---|---|
| SILT TRAP TYPE A ALTERNATE 1 | |
| SILT TRAP TYPE A ALTERNATE 2 | |
| SILT TRAP TYPE B | |
| SILT TRAP TYPE C | |
| SILT FENCE | SF |
| TEMPORARY SILT DITCH | |
| DISTURBED DRAINAGE AREA | |
| OVERLAND SHEET FLOW | |
| PROPOSED R/W | |
| PROPOSED EASEMENT | |

| DITCH CONSTRUCTION LT ℄ KY 205 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 341+96-345+39 | SPEC V | ECB | 1.5' | 496 SQYD |
| 346+96-348+50 | SPEC 3' FB | CLASS IV | 3.5' | 424 CUYD |

| DITCH CONSTRUCTION RT ℄ KY 205 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 341+79-345+07 | SPEC V | ECB | 1.5' | 474 SQYD |

| DITCH CONSTRUCTION LT B RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 27+00 - 32+06 | SPEC 2' FB | ECB | 1.5' | 921 SQYD |

| DITCH CONSTRUCTION RT B RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 27+00 - 32+56 | SPEC 2' FB | CLASS IV | 1.5' | 452 CUYD |

| DITCH CONSTRUCTION LT B RAMP B | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 50+50 - 54+30 | SPEC 2' FB | ECB | 1.5' | 507 SQYD |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 133+25 - 134+67 | SPEC V | ECB | 1.0' | 207 SQYD |
| 133+30 - 136+64 | SPEC V | ECB | 1.0' | 486 SQYD |
| 139+69 - 141+75 | SPEC V | ECB | 1.0' | 300 SQYD |
| 142+37 - 143+00 | TYP V | ECB | 1.5' | 143 SQYD |

0' 50' 100' 200'

SCALE: 1"= 50'

# MT PKWY EROSION CONTROL PLANS STA 133+25 TO STA 143+00

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R1340EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1340EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R135 |

| DITCH CONSTRUCTION LT ℄ RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 16+22 - 20+30 | SPEC 2' FB | ECB | 1.0' | 1046 SQYD |
| 20+30 - 27+00 | SPEC 2' FB | ECB | 1.5' | 1219 SQYD |

| DITCH CONSTRUCTION RT ℄ RAMP C | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 17+50 - 18+78 | SPEC 2' FB | ECB | 1.5' | 151 SQYD |
| 24+00 - 26+00 | SPEC 2' FB | ECB | 1.5' | 236 SQYD |
| 26+00 - 27+00 | SPEC 2' FB | CLASS IV | 2.5' | 140 CUYD |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 24 | 2.712 | 9764 |
| DDA 25 | 2.689 | 9679 |
| DDA 27 | 3.064 | 11031 |
| DDA 28 | 3.707 | 13347 |
| DDA 31 | 3.889 | 14000 |
| DDA 32 | 0.494 | 1777 |
| DDA 33 | 0.879 | 3164 |
| DDA 34 | 0.673 | 2424 |
| DDA 35 | 0.466 | 1678 |
| DDA 36 | 1.179 | 4245 |
| DDA 37 | 0.672 | 2418 |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 143+00-155+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 149+32-155+00 | 15' CHANNEL CHANGE | CLASS IV | 6.0' | 3215 CUYD |

| DITCH CONSTRUCTION LT ℄ RAMP B | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 54+30 - 59+70 | SPEC 2' FB | ECB | 1.5' | 720 SQYD |

## EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 (TA)
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE (SF)
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

PRELIMINARY PLANS NOT FOR CONSTRUCTION

0' 50' 100' 200'

SCALE: 1"= 50

# MT PKWY EROSION CONTROL PLANS STA 143+00 TO STA 155+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R135ODEC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R136 |

| DITCH CONSTRUCTION LT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 159+97-163+00 | SPEC 2' FB | ECB | 1.5' | 755 SQYD |
| 164+00-165+00 | SPEC V | ECB | 1.5' | 194 SQYD |

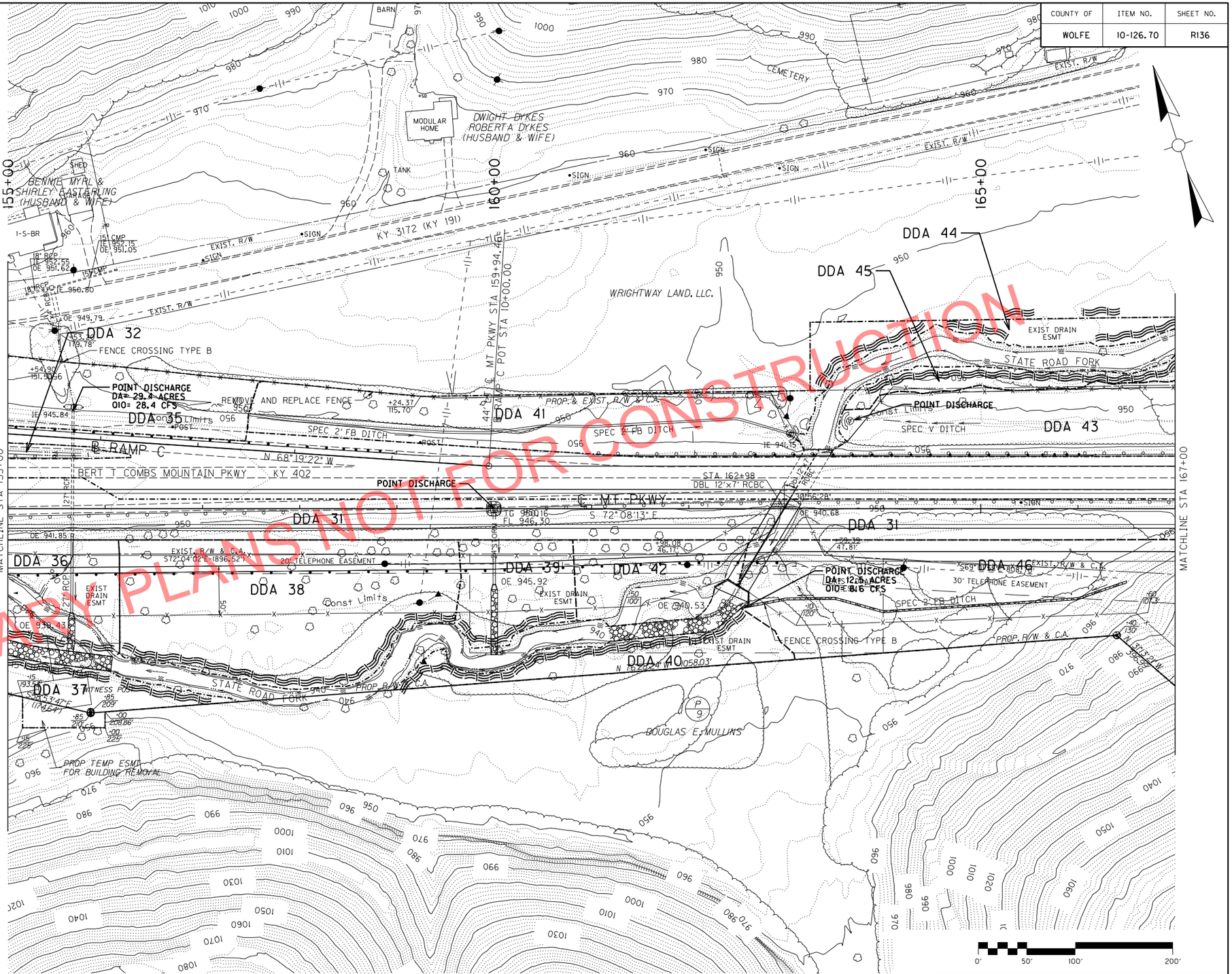
| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 155+00-167+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 155+00-156+09 | 15' CHANNEL CHANGE | CLASS IV | 6.0' | 617 CUYD |
| 162+54-166+50 | SPEC 2' FB | CLASS IV | 1.5' | 400 CUYD |
| 166+50-167+00 | TYP 3' FB | ECB | 2.0' | 109 SQYD |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 31 | 3.889 | 14000 |
| DDA 32 | 0.494 | 1777 |
| DDA 35 | 0.466 | 1678 |
| DDA 36 | 1.179 | 4245 |
| DDA 37 | 0.672 | 2418 |
| DDA 38 | 1.037 | 3735 |
| DDA 39 | 0.266 | 959 |
| DDA 40 | 0.270 | 974 |
| DDA 41 | 0.764 | 2752 |
| DDA 42 | 0.302 | 1089 |
| DDA 43 | 1.087 | 3912 |
| DDA 44 | 0.225 | 812 |
| DDA 45 | 0.218 | 785 |
| DDA 46 | 6.784 | 24422 |

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF —
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT




PRELIMINARY PLANS NOT FOR CONSTRUCTION

MT PKWY
EROSION CONTROL PLANS
STA 155+00 TO STA 167+00

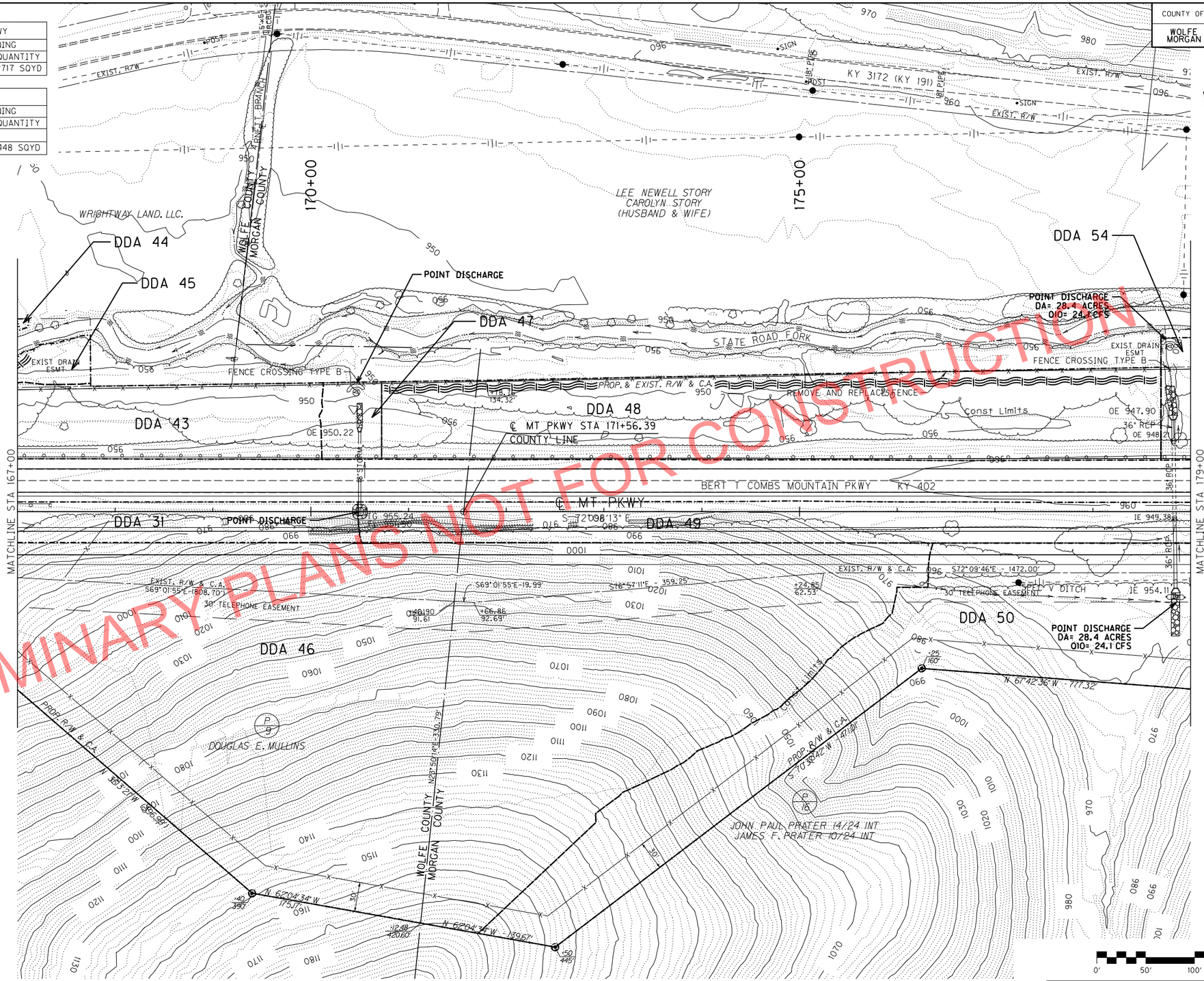
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R13600EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RS3606EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R137 |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 167+00-179+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 167+00-176+00 | TYP 3' FB | ROCK CUT | | |
| 176+00-178+79 | SPEC V | ECB | 1.5' | 448 SQYD |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 31 | 3.889 | 14000 |
| DDA 43 | 1.087 | 3912 |
| DDA 44 | 0.225 | 812 |
| DDA 45 | 0.218 | 785 |
| DDA 46 | 6.784 | 24422 |
| DDA 47 | 0.111 | 400 |
| DDA 48 | 1.591 | 5727 |
| DDA 49 | 1.318 | 4746 |
| DDA 50 | 2.056 | 7401 |
| DDA 54 | 0.144 | 518 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

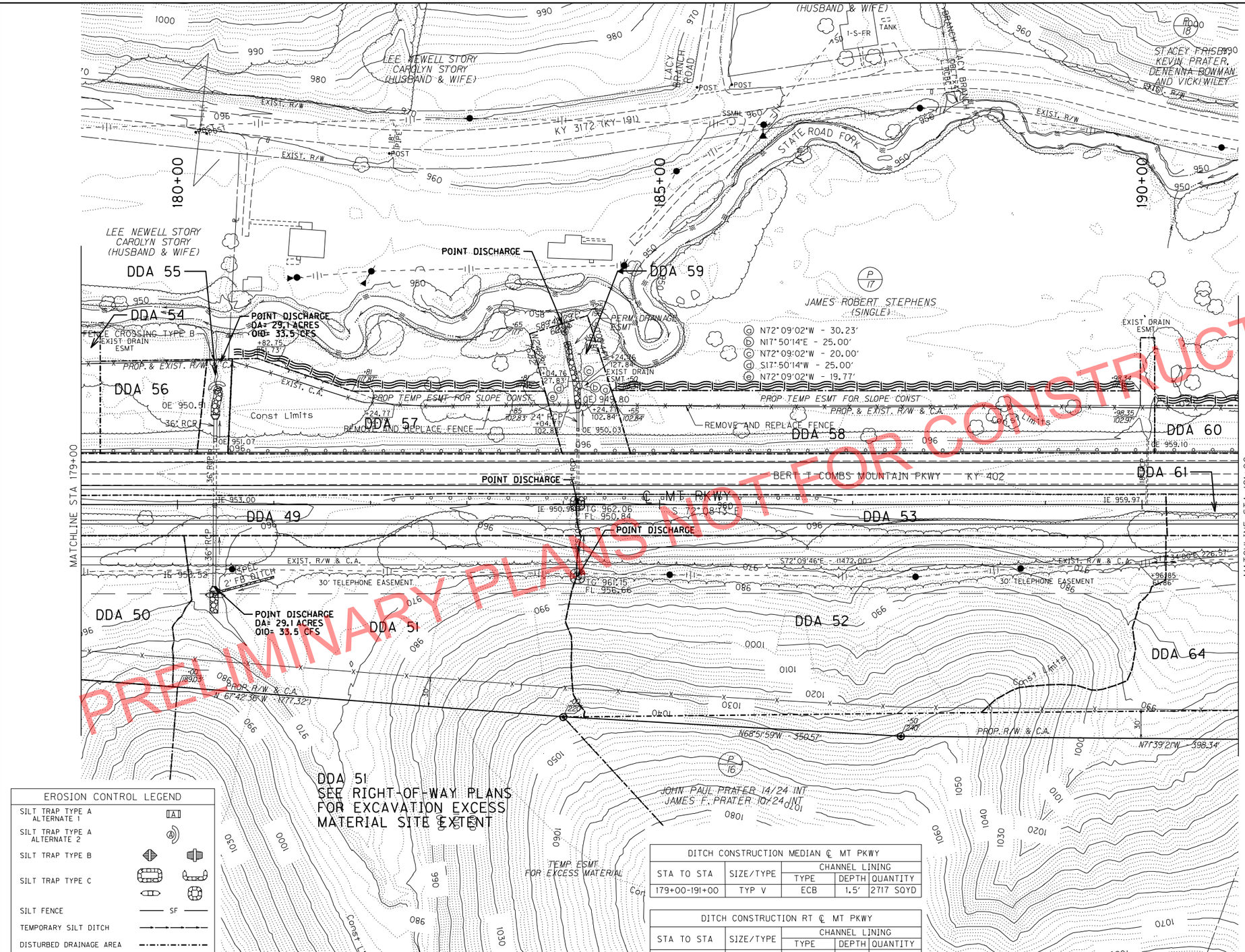
| EROSION CONTROL LEGEND | |
|---|---|
| SILT TRAP TYPE A ALTERNATE 1 | TA1 |
| SILT TRAP TYPE A ALTERNATE 2 | |
| SILT TRAP TYPE B | |
| SILT TRAP TYPE C | |
| SILT FENCE | SF |
| TEMPORARY SILT DITCH | |
| DISTURBED DRAINAGE AREA | |
| OVERLAND SHEET FLOW | |
| PROPOSED R/W | |
| PROPOSED EASEMENT | |

SCALE: 1"= 50'

MT PKWY
EROSION CONTROL PLANS
STA 167+00 TO STA 179+00


FILE NAME: I:\LEX\PRJ\0000829B\DESIGN\PLAN SET\EROSION CONTROL\R137ODEC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R15400EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R138 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

DISTURBED DRAINAGE AREAS

| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
|---|---|---|
| DDA 49 | 1.318 | 4746 |
| DDA 50 | 2.056 | 7401 |
| DDA 51 | 17.477 | 62916 |
| DDA 52 | 2.425 | 8731 |
| DDA 53 | 0.599 | 2156 |
| DDA 54 | 0.144 | 518 |
| DDA 55 | 0.066 | 238 |
| DDA 56 | 0.235 | 845 |
| DDA 57 | 0.561 | 2019 |
| DDA 58 | 0.845 | 3042 |
| DDA 59 | 0.211 | 762 |
| DDA 60 | 0.534 | 1923 |
| DDA 61 | 0.368 | 1326 |

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 (TA)
- SILT TRAP TYPE A ALTERNATE 2 (A)
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE (SF)
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

DDA 51
SEE RIGHT-OF-WAY PLANS
FOR EXCAVATION EXCESS
MATERIAL SITE EXTENT

DITCH CONSTRUCTION MEDIAN ℄ MT PKWY

| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
|---|---|---|---|---|
| | | TYPE | DEPTH | QUANTITY |
| 179+00-191+00 | TYP V | ECB | 1.5' | 2717 SQYD |

DITCH CONSTRUCTION RT ℄ MT PKWY

| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
|---|---|---|---|---|
| | | TYPE | DEPTH | QUANTITY |
| 180+42-181+00 | SPEC 2' FB | CLASS IV | 1.5' | 52 CUYD |
| 181+00-182+50 | TYP V | ECB | 1.5' | 244 SQYD |
| 182+50-190+25 | TYP 3' FB | ROCK CUT | 1.5' | |
| 190+25-191+00 | TYP V | ECB | 1.5' | 122 SQYD |

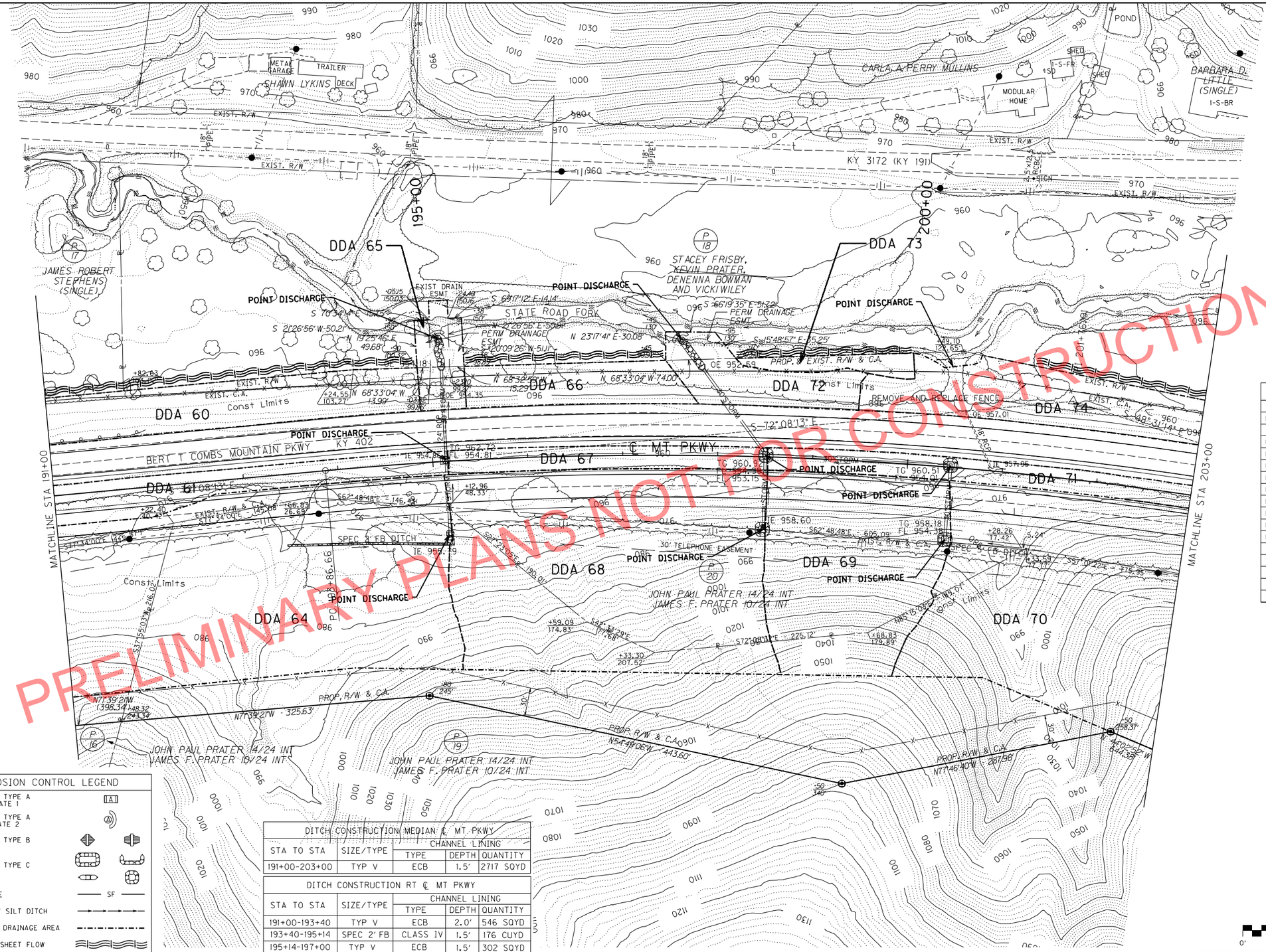
0' 50' 100' 200'

SCALE: 1"= 50'

MT PKWY
EROSION CONTROL PLANS
STA 179+00 TO STA 191+00

FILE NAME: I:\LEX\PRJ\0000082 98\DESIGN\PLAN SET\EROSION CONTROL\R13800EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R15500EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R139 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 60 | 0.534 | 1923 |
| DDA 61 | 0.368 | 1326 |
| DDA 62 | NOT USED | NOT USED |
| DDA 63 | NOT USED | NOT USED |
| DDA 64 | 2.307 | 8305 |
| DDA 65 | 0.117 | 420 |
| DDA 66 | 0.231 | 832 |
| DDA 67 | 0.188 | 675 |
| DDA 68 | 1.613 | 5808 |
| DDA 69 | 0.843 | 3034 |
| DDA 70 | 5.692 | 20491 |
| DDA 71 | 0.613 | 2208 |
| DDA 72 | 0.224 | 806 |
| DDA 73 | 0.073 | 265 |
| DDA 74 | 1.092 | 3931 |
| DDA 75 | NOT USED | NOT USED |

## EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — [A]
- SILT TRAP TYPE A ALTERNATE 2 — (A)
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 191+00-203+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 191+00-193+40 | TYP V | ECB | 2.0' | 546 SQYD |
| 193+40-195+14 | SPEC 2' FB | CLASS IV | 1.5' | 176 CUYD |
| 195+14-197+00 | TYP V | ECB | 1.5' | 302 SQYD |
| 197+00-200+45 | TYP 3' FB | ROCK CUT | | |
| 200+45-201+50 | SPEC 5' FB | ROCK CUT | | |
| 201+50-203+00 | TYP 3' FB | ROCK CUT | | |

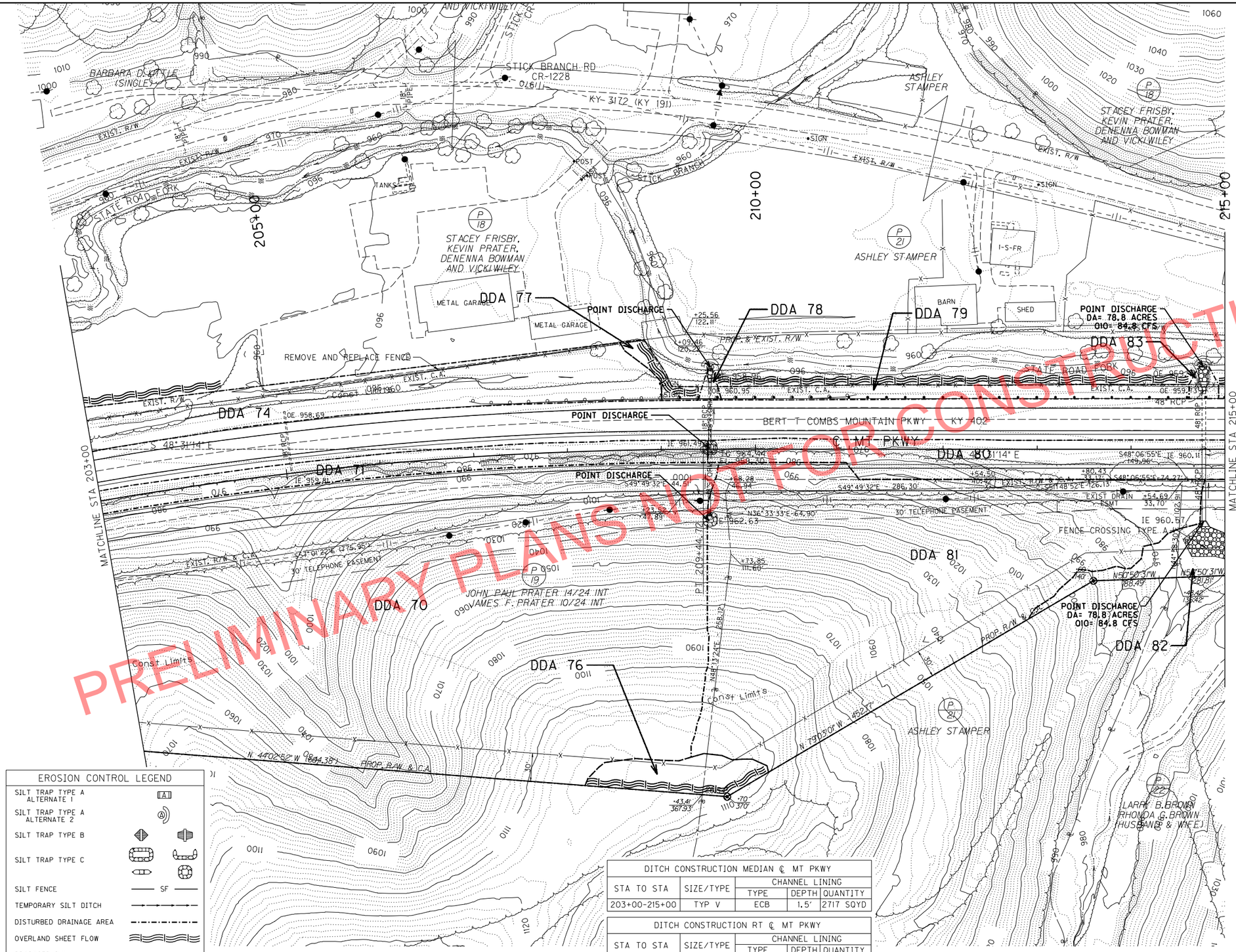
0' 50' 100' 200'

SCALE: 1"= 50'

# MT PKWY
# EROSION CONTROL PLANS
# STA 191+00 TO STA 203+00

MicroStation v8.11.9.832
E-SHEET NAME: R1560DEC
USER: Jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R1390DEC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R140 |




| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 70 | 5.692 | 20491 |
| DDA 71 | 0.613 | 2208 |
| DDA 74 | 1.092 | 3931 |
| DDA 75 | NOT USED | NOT USED |
| DDA 76 | 0.140 | 503 |
| DDA 77 | 0.034 | 124 |
| DDA 78 | 0.012 | 42 |
| DDA 79 | 0.172 | 620 |
| DDA 80 | 1.451 | 5223 |
| DDA 81 | 2.365 | 8514 |
| DDA 82 | 0.829 | 2985 |
| DDA 83 | 0.020 | 72 |

## EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF —
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 203+00-215+00 | TYP V | ECB | 1.5' | 2717 SQYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 203+00-213+50 | TYP 3' FB | ROCK CUT | | |
| 213+50-214+53 | TYP V | ECB | 1.5' | 168 SQYD |

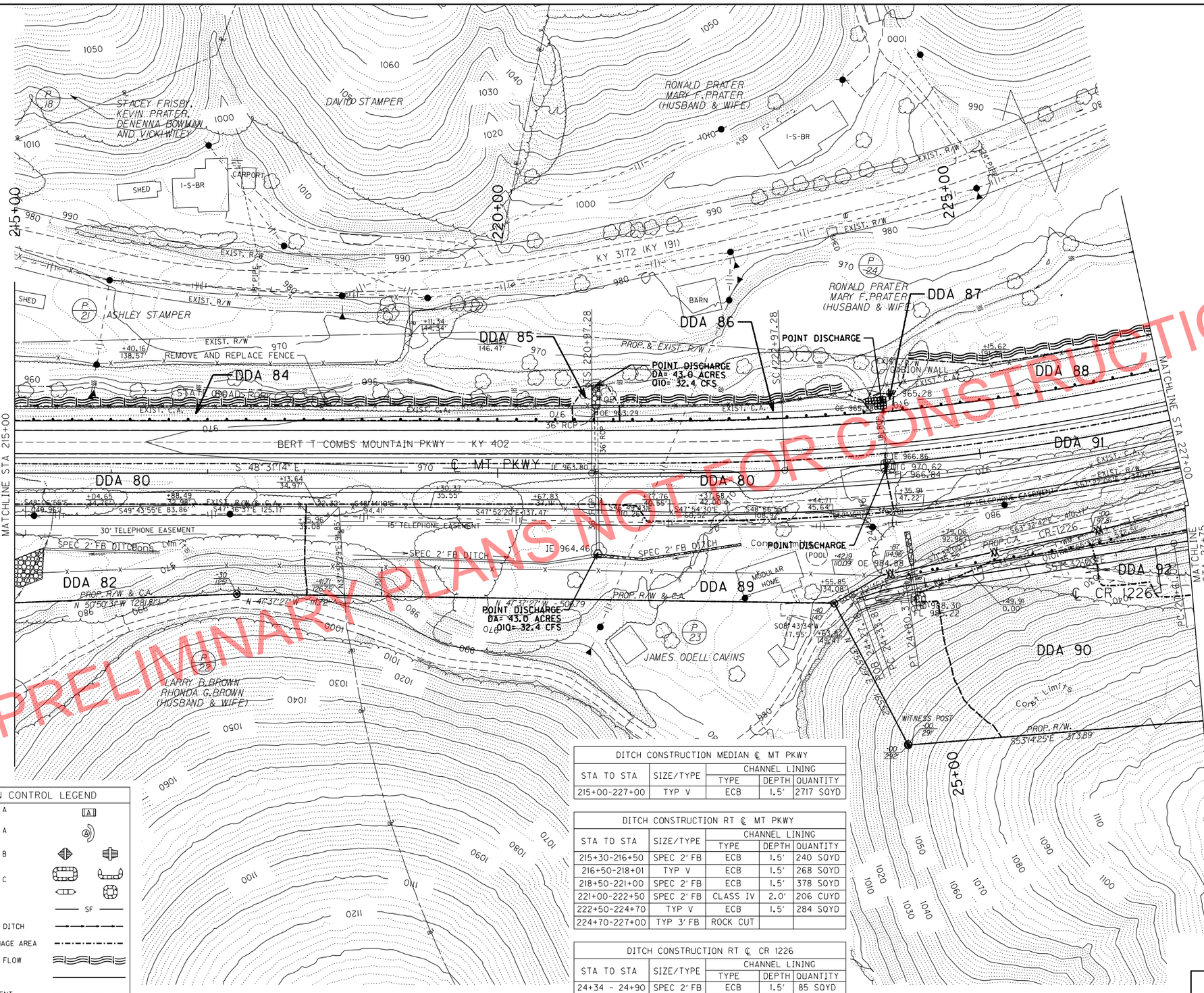
SCALE: 1"= 50'

0' 50' 100' 200'

# MT PKWY EROSION CONTROL PLANS STA 203+00 TO STA 215+00


FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R140000EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1S700EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R141 |




## DISTURBED DRAINAGE AREAS

| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
|---|---|---|
| DDA 80 | 1.451 | 5223 |
| DDA 82 | 0.829 | 2985 |
| DDA 84 | 0.205 | 740 |
| DDA 85 | 0.035 | 126 |
| DDA 86 | 0.104 | 375 |
| DDA 87 | 0.012 | 42 |
| DDA 88 | 0.468 | 1684 |
| DDA 89 | 2.480 | 8930 |
| DDA 90 | 1.277 | 4597 |
| DDA 91 | 1.491 | 5369 |
| DDA 92 | 2.452 | 8828 |

## EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF —
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

### DITCH CONSTRUCTION MEDIAN ℄ MT PKWY

| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
|---|---|---|---|---|
| | | TYPE | DEPTH | QUANTITY |
| 215+00-227+00 | TYP V | ECB | 1.5' | 2717 SQYD |

### DITCH CONSTRUCTION RT ℄ MT PKWY

| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
|---|---|---|---|---|
| | | TYPE | DEPTH | QUANTITY |
| 215+30-216+50 | SPEC 2' FB | ECB | 1.5' | 240 SQYD |
| 216+50-218+01 | TYP V | ECB | 1.5' | 268 SQYD |
| 218+50-221+00 | SPEC 2' FB | ECB | 1.5' | 378 SQYD |
| 221+00-222+50 | SPEC 2' FB | CLASS IV | 2.0' | 206 CUYD |
| 222+50-224+70 | TYP V | ECB | 1.5' | 284 SQYD |
| 224+70-227+00 | TYP 3' FB | ROCK CUT | | |

### DITCH CONSTRUCTION RT ℄ CR 1226

| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
|---|---|---|---|---|
| | | TYPE | DEPTH | QUANTITY |
| 24+34 - 24+90 | SPEC 2' FB | ECB | 1.5' | 85 SQYD |
| 24+90 - 27+75 | TYP 3' FB | ROCK CUT | | |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

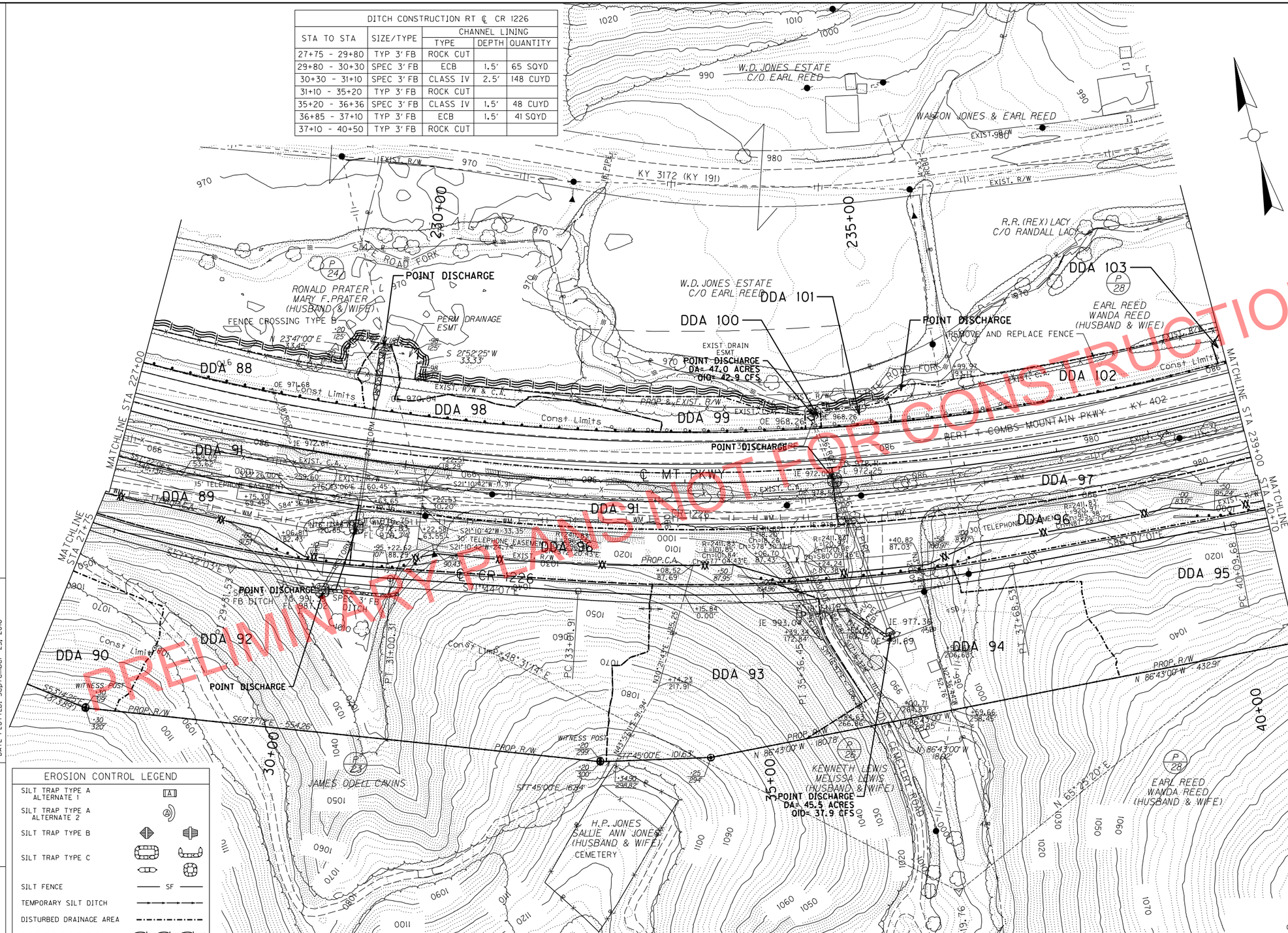
# MT PKWY EROSION CONTROL PLANS STA 215+00 TO STA 227+00 CR 1226 STA 24+27.16 TO STA 27+75

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R14100EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R15800EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R142 |

| DITCH CONSTRUCTION RT ℄ CR 1226 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 27+75 - 29+80 | TYP 3' FB | ROCK CUT | | |
| 29+80 - 30+30 | SPEC 3' FB | ECB | 1.5' | 65 SQYD |
| 30+30 - 31+10 | SPEC 3' FB | CLASS IV | 2.5' | 148 CUYD |
| 31+10 - 35+20 | TYP 3' FB | ROCK CUT | | |
| 35+20 - 36+36 | SPEC 3' FB | CLASS IV | 1.5' | 48 CUYD |
| 36+85 - 37+10 | TYP 3' FB | ECB | 1.5' | 41 SQYD |
| 37+10 - 40+50 | TYP 3' FB | ROCK CUT | | |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 88 | 0.468 | 1684 |
| DDA 89 | 2.480 | 8930 |
| DDA 90 | 1.277 | 4597 |
| DDA 91 | 1.491 | 5369 |
| DDA 92 | 2.452 | 8828 |
| DDA 93 | 0.908 | 3270 |
| DDA 94 | 0.894 | 3220 |
| DDA 95 | 2.475 | 8912 |
| DDA 96 | 2.079 | 7483 |
| DDA 97 | 1.456 | 5241 |
| DDA 98 | 0.208 | 749 |
| DDA 99 | 0.218 | 786 |
| DDA 100 | 0.006 | 22 |
| DDA 101 | 0.034 | 124 |
| DDA 102 | 0.309 | 1114 |
| DDA 103 | 0.158 | 569 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF —
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

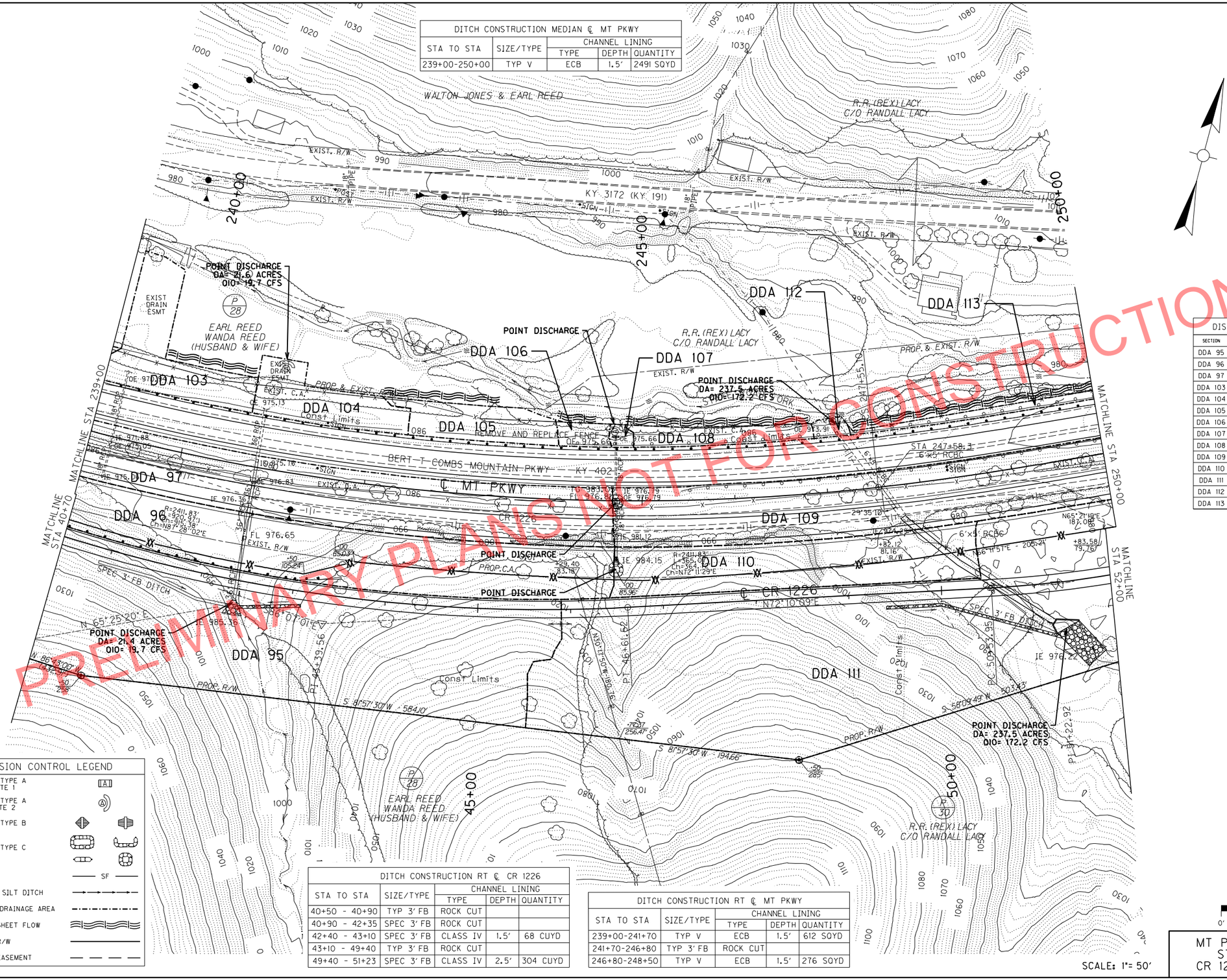
SCALE: 1"= 50'

MT PKWY EROSION CONTROL PLANS
STA 227+00 TO STA 239+00
CR 1226 STA 27+75 TO STA 40+70

FILE NAME: I:\LEX\PRJ\0000829B\DESIGN\PLAN SET\EROSION CONTROL\R1420DEC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1590DEC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R143 |

| DITCH CONSTRUCTION MEDIAN ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 239+00-250+00 | TYP V | ECB | 1.5' | 2491 SQYD |




| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 95 | 2.475 | 8912 |
| DDA 96 | 2.079 | 7483 |
| DDA 97 | 1.456 | 5241 |
| DDA 103 | 0.260 | 936 |
| DDA 104 | 0.172 | 619 |
| DDA 105 | 0.140 | 506 |
| DDA 106 | 0.033 | 120 |
| DDA 107 | 0.013 | 48 |
| DDA 108 | 0.088 | 318 |
| DDA 109 | 1.421 | 5115 |
| DDA 110 | 0.476 | 1715 |
| DDA 111 | 3.038 | 10938 |
| DDA 112 | 0.017 | 67 |
| DDA 113 | 0.322 | 1159 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| EROSION CONTROL LEGEND | |
|---|---|
| SILT TRAP TYPE A ALTERNATE 1 | |
| SILT TRAP TYPE A ALTERNATE 2 | |
| SILT TRAP TYPE B | |
| SILT TRAP TYPE C | |
| SILT FENCE | SF |
| TEMPORARY SILT DITCH | |
| DISTURBED DRAINAGE AREA | |
| OVERLAND SHEET FLOW | |
| PROPOSED R/W | |
| PROPOSED EASEMENT | |

| DITCH CONSTRUCTION RT ℄ CR 1226 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 40+50 - 40+90 | TYP 3' FB | ROCK CUT | | |
| 40+90 - 42+35 | SPEC 3' FB | ROCK CUT | | |
| 42+40 - 43+10 | SPEC 3' FB | CLASS IV | 1.5' | 68 CUYD |
| 43+10 - 49+40 | TYP 3' FB | ROCK CUT | | |
| 49+40 - 51+23 | SPEC 3' FB | CLASS IV | 2.5' | 304 CUYD |

| DITCH CONSTRUCTION RT ℄ MT PKWY | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 239+00-241+70 | TYP V | ECB | 1.5' | 612 SQYD |
| 241+70-246+80 | TYP 3' FB | ROCK CUT | | |
| 246+80-248+50 | TYP V | ECB | 1.5' | 276 SQYD |

0' 50' 100' 200'

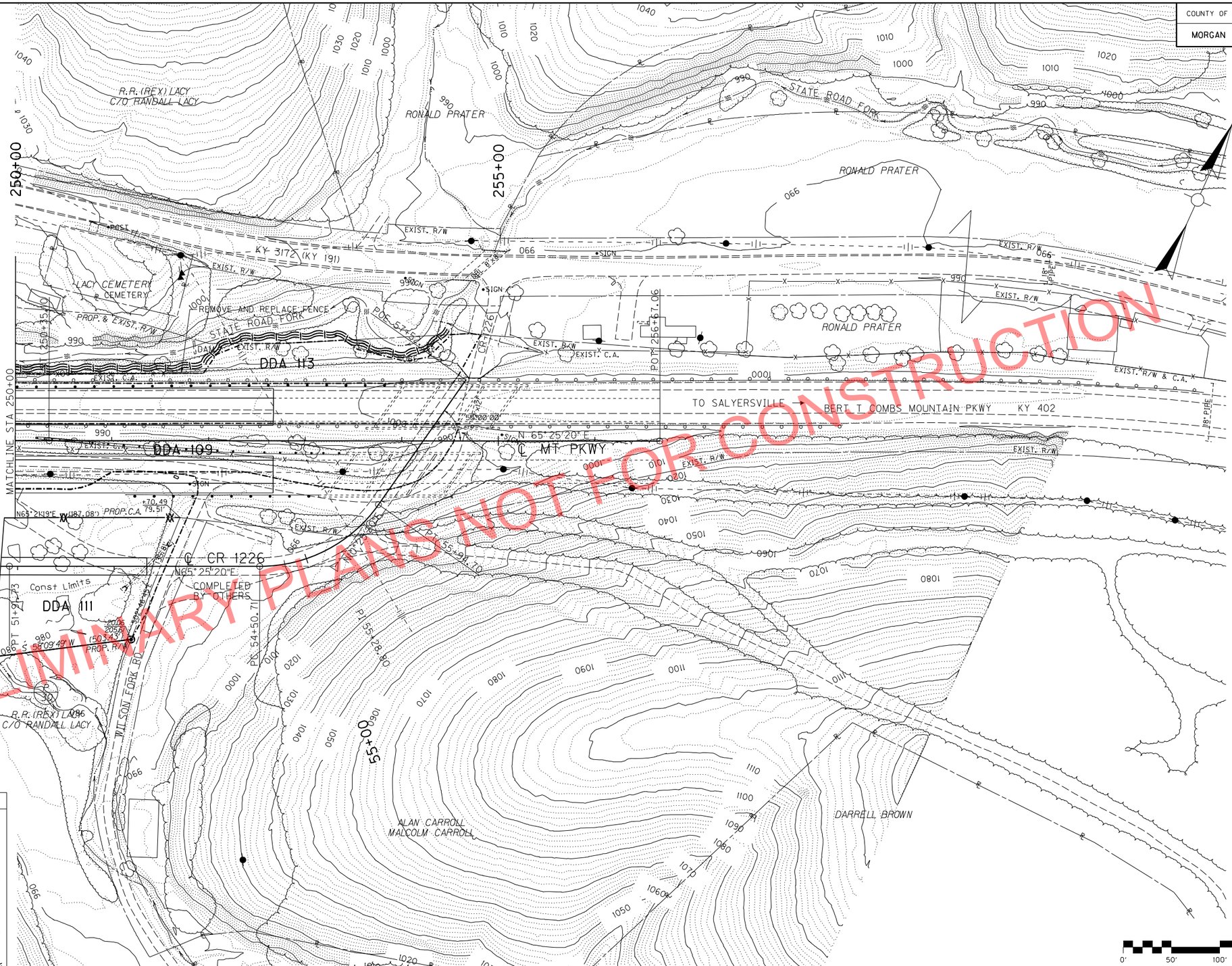
SCALE: 1"= 50'

MT PKWY EROSION CONTROL PLANS
STA 239+00 TO STA 250+00
CR 1226 STA 40+70 TO STA 52+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R1430EC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R16000EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R144 |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 109 | 1.421 | 5115 |
| DDA 111 | 3.038 | 10938 |
| DDA 113 | 0.322 | 1159 |
| | | |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF —
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

SCALE: 1"= 50'

MT PKWY EROSION CONTROL PLANS
STA 250+00 TO STA 252+67.06
CR 1226 STA 52+00 TO STA 53+41.09

MicroStation v8.11.9.832
E-SHEET NAME: R1610DEC
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: i:\EX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R1440DEC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R145 |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 20 | 3.746 | 13488 |
| DDA 30 | 0.986 | 3550 |
| DDA 114 | 0.545 | 1964 |
| DDA 115 | 0.557 | 2005 |
| DDA 116 | 0.519 | 1868 |
| DDA 117 | 0.515 | 1853 |
| DDA 118 | 1.839 | 6622 |
| DDA 119 | 0.563 | 2026 |

KY 205
PI STA 328+94.16
Δ = 51°03'24" RT
T = 460.87'
L = 859.92'
R = 965.00'
E = 104.40'
e = 8.00%
Runoff = 205'
Runout = 52'

| EROSION CONTROL LEGEND | |
|---|---|
| SILT TRAP TYPE A ALTERNATE 1 | [A] |
| SILT TRAP TYPE A ALTERNATE 2 | |
| SILT TRAP TYPE B | |
| SILT TRAP TYPE C | |
| SILT FENCE | SF |
| TEMPORARY SILT DITCH | |
| DISTURBED DRAINAGE AREA | |
| OVERLAND SHEET FLOW | |
| PROPOSED R/W | |
| PROPOSED EASEMENT | |

| DITCH CONSTRUCTION RT ℄ KY 205 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 329+50-332+50 | TY V | ECB | 1.5' | 387 SQYD |
| 332+50-334+44 | SPEC V | TRM TYI | 1.5' | 272 SQYD |
| 335+25-336+08 | SPEC V | ECB | 1.5' | 108 SQYD |
| 337+27-338+50 | SPEC V | ECB | 2.5' | 447 SQYD |
| 338+50-339+07 | SPEC 3' FB | CLASS IV | 1.5' | 50 CUYD |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 50'

0' 50' 100' 200'

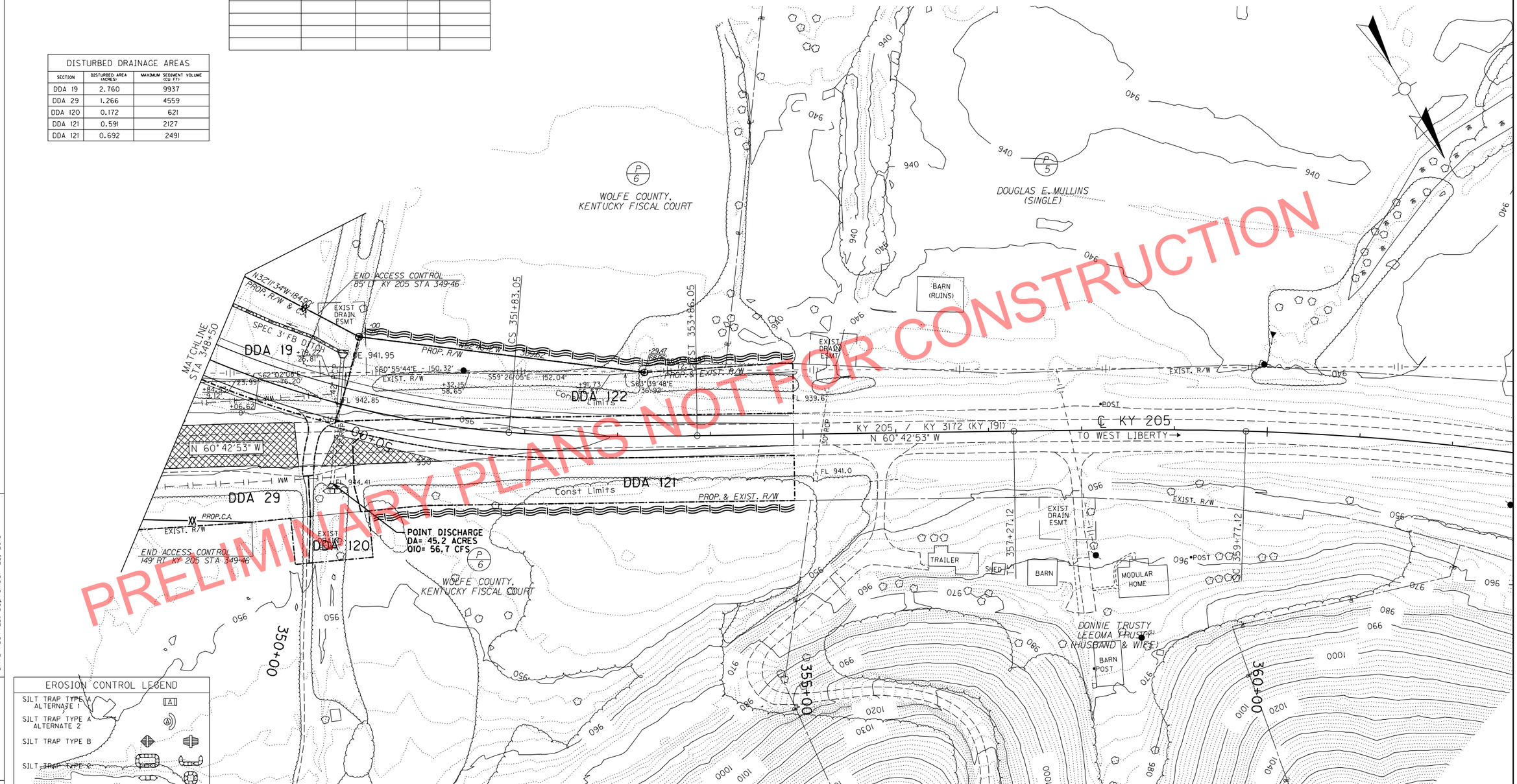
KY 205
EROSION CONTROL PLANS
STA 329+50 TO STA 339+75

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R145ODEC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R6200EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R146 |

| DITCH CONSTRUCTION LT ℄ KY 205 | | | | |
|---|---|---|---|---|
| STA TO STA | SIZE/TYPE | CHANNEL LINING | | |
| | | TYPE | DEPTH | QUANTITY |
| 348+50-349+92 | SPEC 3' FB | CLASS IV | 3.5' | 425 CUYD |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| DISTURBED DRAINAGE AREAS | | |
|---|---|---|
| SECTION | DISTURBED AREA (ACRES) | MAXIMUM SEDIMENT VOLUME (CU FT) |
| DDA 19 | 2.760 | 9937 |
| DDA 29 | 1.266 | 4559 |
| DDA 120 | 0.172 | 621 |
| DDA 121 | 0.591 | 2127 |
| DDA 121 | 0.692 | 2491 |




EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — A1
- SILT TRAP TYPE A ALTERNATE 2 — A
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

0' 50' 100' 200'

SCALE: 1"= 50'

KY 205
EROSION CONTROL PLANS
STA 348+50 TO STA 354+90.05

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\EROSION CONTROL\R146ODEC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R6300EC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R147 |

## COORDINATE SYSTEM

**Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.**

**Coordinates are based on State Plane Coordinate System Single Zone and in U.S. Survey Feet.**

**EASTBOUND LANES**

| PI STA 107+69.57 | PI STA 111+90.70 |
|---|---|
| Δ = 7°03'14" RT | Δ = 7°10'54" LT |
| T = 209.68' | T = 211.98' |
| L = 418.83' | L = 423.41' |
| R = 3402.00' | R = 3378.00' |
| E = 6.46' | E = 6.64' |
| e = 3.90% | e = 3.90% |
| Runoff = 100.00' | Runoff = 100.00' |
| Runout = 52.00' | Runout = 52.00' |

**RAMP A**

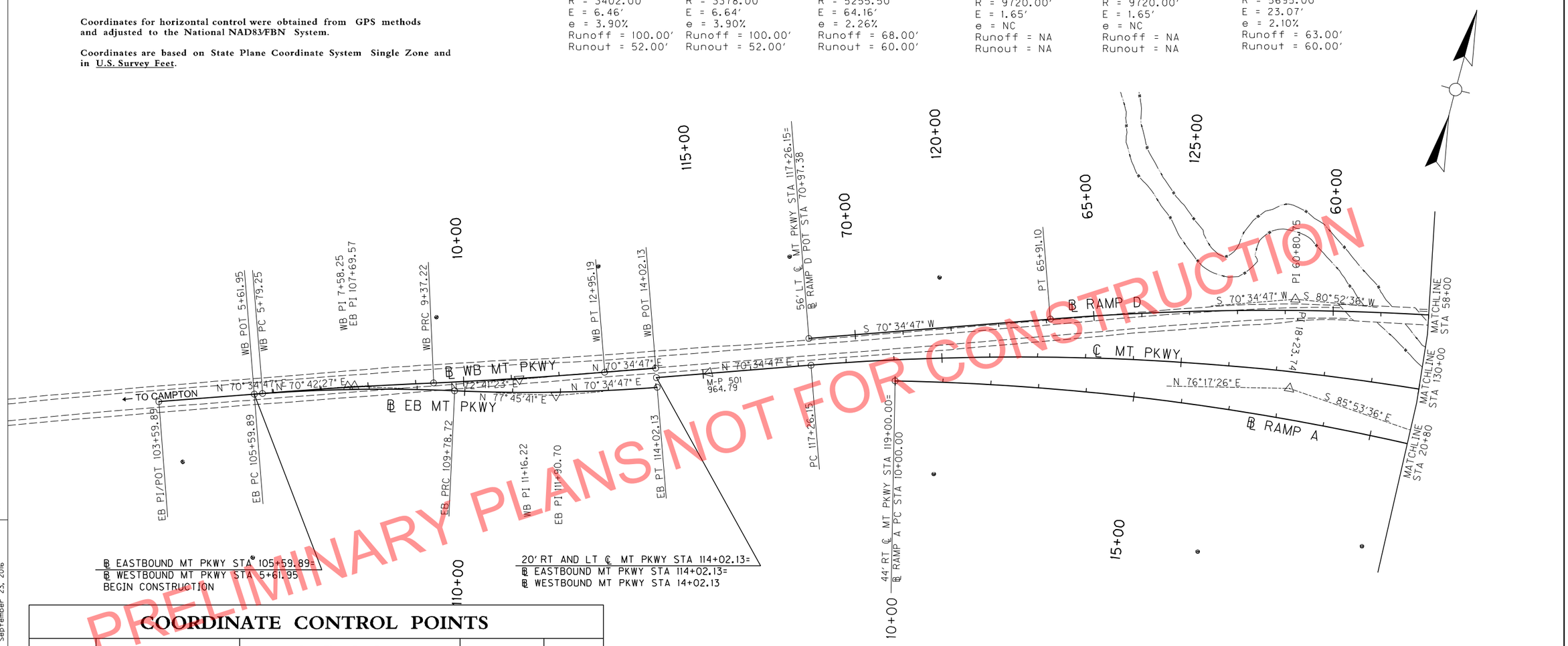
| PI STA 18+23.74 |
|---|
| Δ = 17°48'57" RT |
| T = 823.74' |
| L = 1634.18' |
| R = 5255.50' |
| E = 64.16' |
| e = 2.26% |
| Runoff = 68.00' |
| Runout = 60.00' |

**WESTBOUND LANES**

| PI STA 11+16.22 | PI STA 7+58.25 |
|---|---|
| Δ = 2°06'36" LT | Δ = 2°06'36" RT |
| T = 179.00' | T = 179.00' |
| L = 357.97' | L = 357.97' |
| R = 9720.00' | R = 9720.00' |
| E = 1.65' | E = 1.65' |
| e = NC | e = NC |
| Runoff = NA | Runoff = NA |
| Runout = NA | Runout = NA |

**RAMP D**

| PI STA 60+80.75 |
|---|
| Δ = 10°17'49" LT |
| T = 513.12' |
| L = 1023.47' |
| R = 5695.00' |
| E = 23.07' |
| e = 2.10% |
| Runoff = 63.00' |
| Runout = 60.00' |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

## COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| POT | EB MT PKWY | 3810527.697 | 5613147.391 | | 103+59.89 | |
| PC | EB MT PKWY | 3810593.776 | 5613336.160 | | 105+59.89 | |
| PI | EB MT PKWY | 3810663.052 | 5613534.065 | | 107+69.57 | |
| PRC | EB MT PKWY | 3810707.501 | 5613738.980 | | 109+78.72 | |
| PI | EB MT PKWY | 3810752.437 | 5613946.144 | | 111+90.70 | |
| POT | EB MT PKWY | 3810822.920 | 5614146.066 | | 114+02.13 | |
| POT | WB MT PKWY | 3810593.776 | 5613336.160 | | 5+61.95 | |
| PC | WB MT PKWY | 3810599.528 | 5613352.475 | | 5+79.25 | |
| PI | WB MT PKWY | 3810659.046 | 5613521.296 | | 7+58.25 | |
| PRC | WB MT PKWY | 3810712.308 | 5613692.193 | | 9+37.22 | |
| PI | WB MT PKWY | 3810765.569 | 5613863.091 | | 11+16.22 | |

## COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| PT | WB MT PKWY | 3810825.088 | 5614031.911 | | 12+95.19 | |
| POT | WB MT PKWY | 3810860.644 | 5614132.766 | | 14+02.13 | |
| POT | MT PKWY | 3810841.782 | 5614139.416 | | 114+02.13 | |
| PC | MT PKWY | 3810949.517 | 5614444.999 | | 117+26.15 | |
| PC | RAMP A | 3810962.686 | 5614623.143 | | 10+00.00 | |
| PI | RAMP A | 3811157.909 | 5615423.411 | | 18+23.74 | |
| PI | RAMP D | 3811341.274 | 5615387.777 | | 60+80.75 | |
| PT | RAMP D | 3811170.666 | 5614903.854 | | 65+91.10 | |
| POT | RAMP D | 3811002.331 | 5614426.382 | | 70+97.38 | |

SEE SHEETS R170 AND R171 FOR CONTROL POINTS AND ROW

SCALE: 1"=100'

0' 100' 200' 400'

MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET
STA 105+59.89 TO STA 130+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\R1470CC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1640CC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R148 |

# COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| PI | MT PKWY | 3811547.362 | 5616140.759 | | 135+24.21 | |
| PT | MT PKWY | 3810995.818 | 5617852.139 | | 151+94.47 | |
| PT | RAMP A | 3811098.921 | 5616245.032 | | 26+34.18 | |
| POT | RAMP A | 3811078.105 | 5616534.964 | | 29+24.85 | |
| POT | RAMP B | 3811078.105 | 5616534.964 | | 50+00.00 | |
| PC | RAMP B | 3811016.052 | 5617399.263 | | 58+66.52 | |
| PI | RAMP B | 3810999.966 | 5617623.303 | | 60+91.14 | |
| PT | RAMP B | 3810933.208 | 5617837.771 | | 63+13.77 | |

KY 191
PI STA 48+91.11
Δ = 59°41'24" LT
T = 132.72'
L = 240.98'
R = 231.31'
E = 35.37'
e = 2.00%
Runoff = 37.00'
Runout = 37.00'

MOUNTAIN PARKWAY
PI STA 135+24.21
Δ = 37°17'00" RT
T = 1798.06'
L = 3468.32'
R = 5330.00'
E = 295.12'
e = 3.41%
Runoff = 192.00'
Runout = 113.00'

RAMP C
PI STA 30+70.72
Δ = 27°35'47" LT
T = 188.12'
L = 368.94'
R = 766.00'
E = 22.76'
e = 4.00%
Runoff = 110.00'
Runout = 55.00'

RAMP C
PI STA 25+26.62
Δ = 9°38'52" RT
T = 191.57'
L = 382.23'
R = 2270.00'
E = 8.07'
e = 3.00%
Runoff = 78'
Runout = 52'

RAMP C
PI STA 19+36.00
Δ = 6°23'23" LT
T = 194.25'
L = 388.09'
R = 3480.00'
E = 5.42'
e = 3.00%
Runoff = 90'
Runout = 60'

RAMP B
PI STA 60+91.14
Δ = 13°11'01" RT
T = 224.62'
L = 447.25'
R = 1943.75'
E = 12.94'
e = 4.40%
Runoff = 132.00'
Runout = 60.00'

KY 205
PI STA 346+82.63
Δ = 92°57'48" LT
$T_S$ = 1194.95' 1218.78'
$L_S$ = 154.00' 203.00'
$L_C$ = 1541.37'
$\theta_S$ = 4°09'43" 5°29'11"
LT = 102.70' 135.40'
ST = 51.36' 67.73'
R = 1060.00
E = 481.24
e = 6.00%
Runoff = 154.00' 203.00'
Runout = 52.00' 67.67'

SEE SHEETS R171 AND R172 FOR CONTROL POINTS AND ROW
SEE SHEET R171 FOR RAMP C, RAMP D, KY 205, KY 191

SCALE: 1"=100'

MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET
STA 130+00 TO STA 155+00

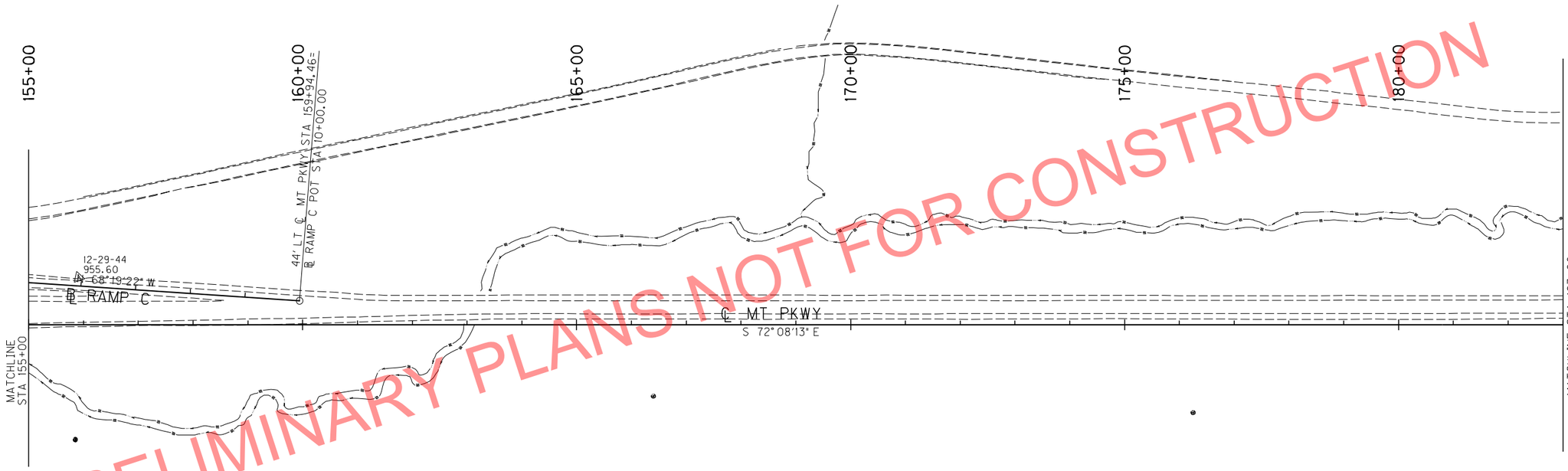
PRELIMINARY PLANS (NOT FOR CONSTRUCTION

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\RH4800CC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: RI650OCC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R149 |

# COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| POT | RAMP C | 3810792.307 | 5618627.056 | | 10+00.00 | |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SEE SHEETS R171 AND R172 FOR CONTROL POINTS AND ROW

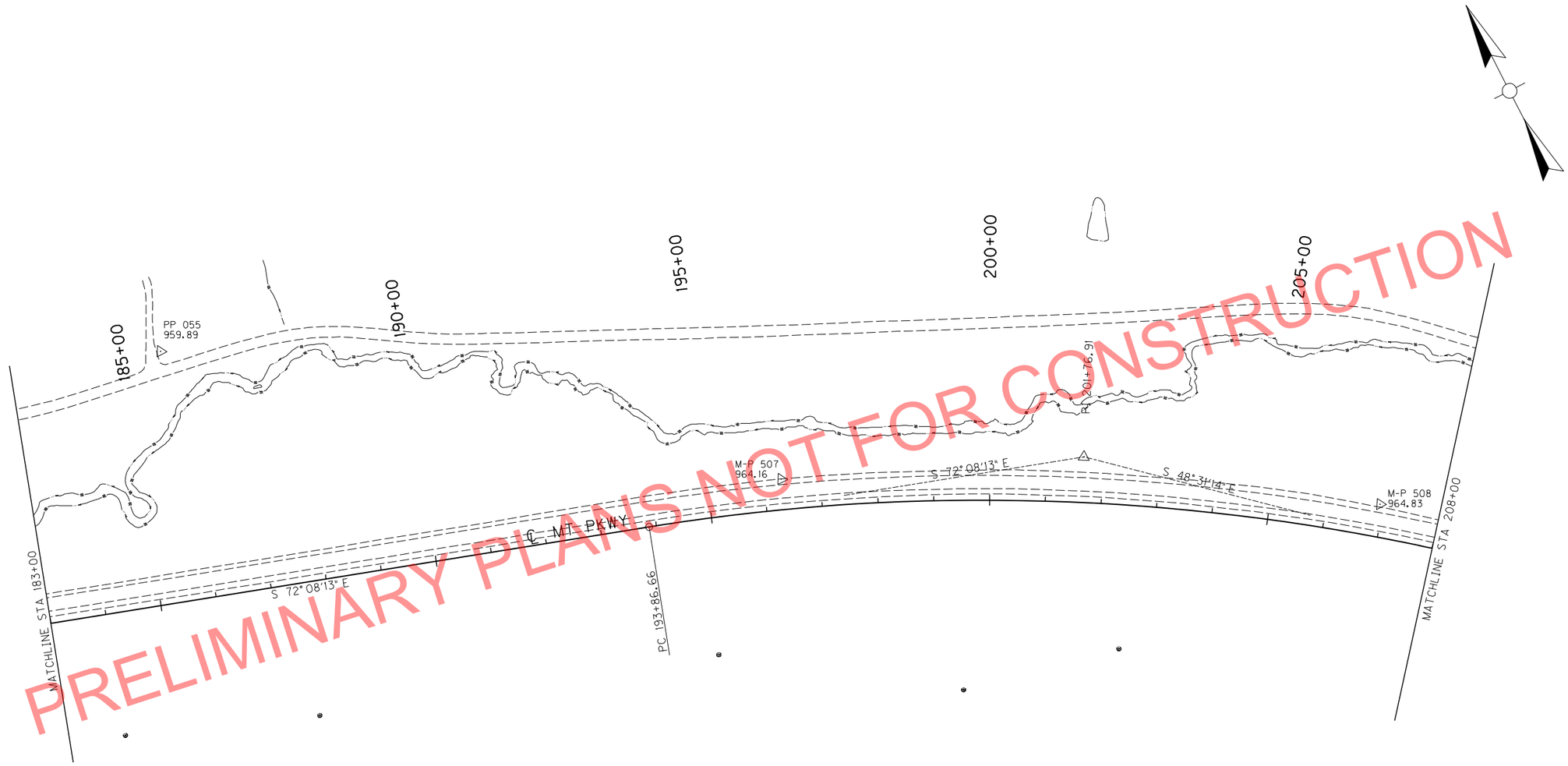
0' 100' 200' 400'

SCALE: 1"=100'

MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET
STA 155+00 TO STA 183+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\KR4900CC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1660OCC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R150 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

## COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| PC | MT PKWY | 3809709.892 | 5621842.229 | | 193+86.66 | |
| PI | MT PKWY | 3809467.488 | 5622594.383 | | 201+76.91 | |

PI STA 201+76.91
Δ = 23°36'59" RT
T = 790.25'
L = 1558.06'
R = 3780.00'
E = 81.72'
e = 4.60%
Runoff = 193.00'
Runout = 84.00'

SEE SHEETS R171 AND R172 FOR CONTROL POINTS AND ROW

SCALE: 1"=100'

0' 100' 200' 400'

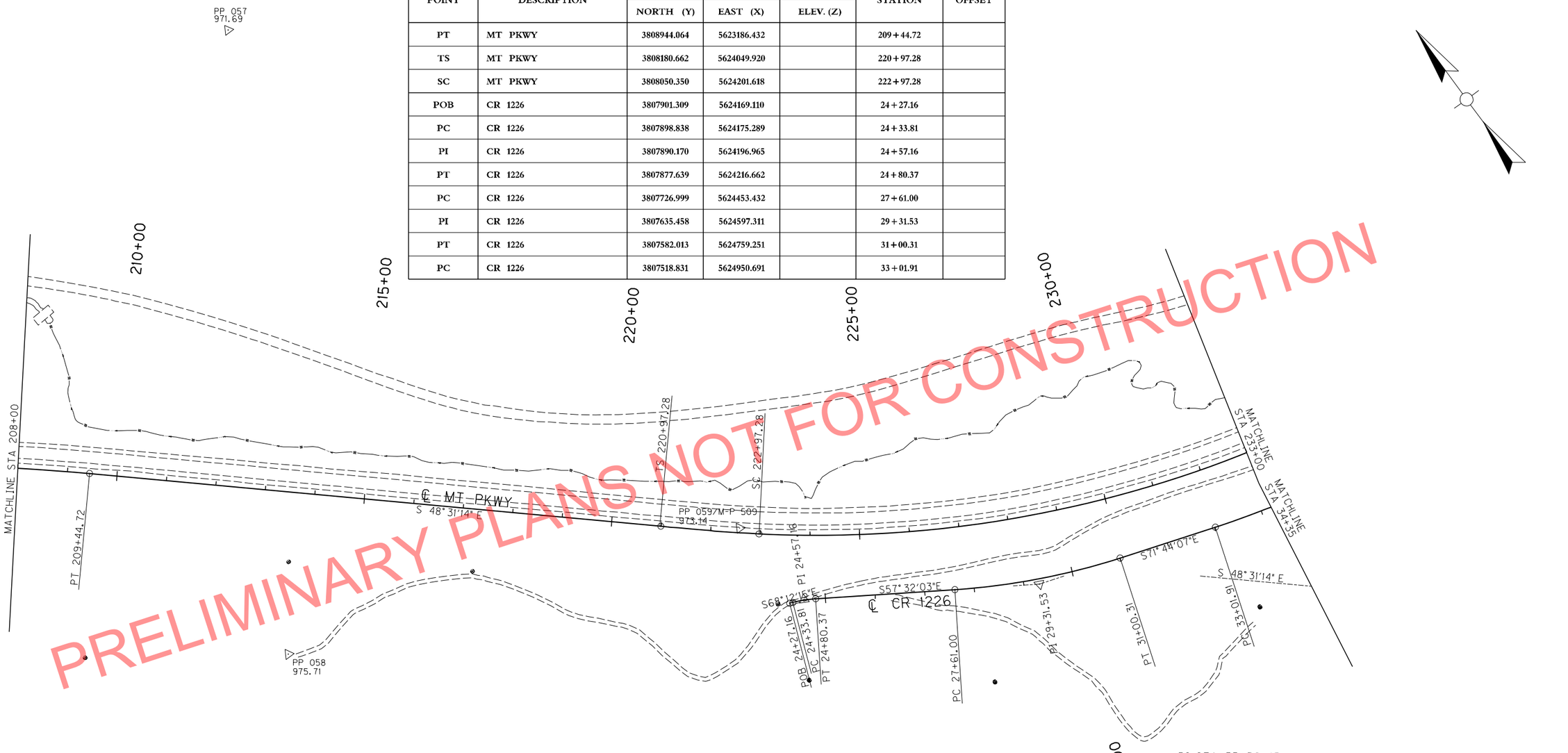
MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET
STA 183+00 TO STA 208+00

MicroStation v8.11.9.832
E-SHEET NAME: R1670CC
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: i:\EX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\R15000CC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R151 |

# COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| PT | MT PKWY | 3808944.064 | 5623186.432 | | 209+44.72 | |
| TS | MT PKWY | 3808180.662 | 5624049.920 | | 220+97.28 | |
| SC | MT PKWY | 3808050.350 | 5624201.618 | | 222+97.28 | |
| POB | CR 1226 | 3807901.309 | 5624169.110 | | 24+27.16 | |
| PC | CR 1226 | 3807898.838 | 5624175.289 | | 24+33.81 | |
| PI | CR 1226 | 3807890.170 | 5624196.965 | | 24+57.16 | |
| PT | CR 1226 | 3807877.639 | 5624216.662 | | 24+80.37 | |
| PC | CR 1226 | 3807726.999 | 5624453.432 | | 27+61.00 | |
| PI | CR 1226 | 3807635.458 | 5624597.311 | | 29+31.53 | |
| PT | CR 1226 | 3807582.013 | 5624759.251 | | 31+00.31 | |
| PC | CR 1226 | 3807518.831 | 5624950.691 | | 33+01.91 | |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

PI STA 24+57.16
Δ = 10°40'11" RT
T = 23.35'
L = 46.56'
R = 250.00'
E = 1.09'
e = RC
Runoff = N/A
Runout = N/A

PI STA 29+31.53
Δ = 14°12'04" LT
T = 170.53'
L = 339.31'
R = 1369.00'
E = 10.58'
e = RC
Runoff = N/A
Runout = N/A

PI STA 35+36.45
Δ = 14°22'54" LT
T = 234.54'
L = 466.62'
R = 1859.00'
E = 14.74'
e = RC
Runoff = N/A
Runout = N/A

SEE SHEETS R171 AND R172 FOR CONTROL POINTS AND ROW

0' 100' 200' 400'

SCALE: 1"=100'

MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET
STA 208+00 TO STA 233+00

MicroStation v8.11.9.832
E-SHEET NAME: R1680CC
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\R151OCC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R152 |

PI STA 237+19.76
Δ = 66°03'26" LT
Ts = 1622.48' 1661.42'
Ls = 200.00' 280.00'
Lc = 2457.83'
θs = 2°26'55" 3°25'41"
LT = 133.35' 186.70'
ST = 66.68' 93.37'
R = 2340.00'
E = 364.47'
e = 6.68%
Runoff = 280.00'
Runout = 84.00'

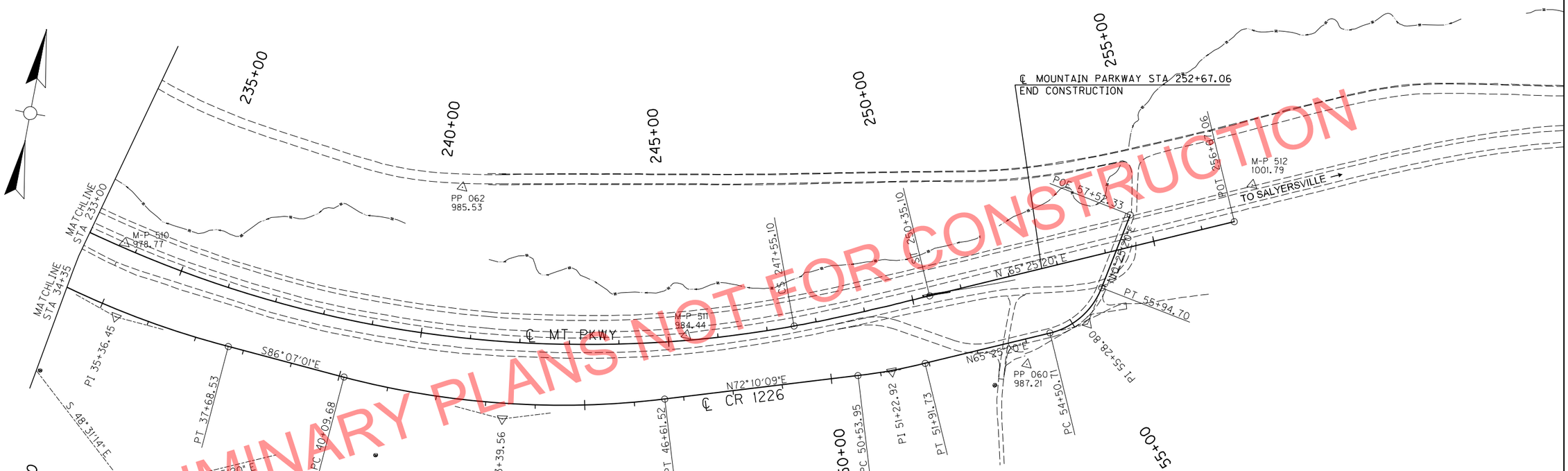
## COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| PI | MT PKWY | 3807106.006 | 5625265.471 | | 237+19.76 | |
| CS | MT PKWY | 3807685.696 | 5626519.501 | | 247+55.10 | |
| ST | MT PKWY | 3807797.037 | 5626776.364 | | 250+35.10 | |
| POT | MT PKWY | 3808059.884 | 5627351.061 | | 256+67.06 | |

PI STA 43+39.56
Δ = 21°42'50" LT
T = 329.88'
L = 651.84'
R = 1720.00'
E = 31.35'
e = RC
Runoff = N/A
Runout = N/A

PI STA 51+22.92
Δ = 6°44'49" LT
T = 68.97'
L = 137.77'
R = 1170.00'
E = 2.03'
e = RC
Runoff = N/A
Runout = N/A

PI STA 55+28.80
Δ = 55°00'00" LT
T = 78.09'
L = 143.99'
R = 150.00'
E = 19.11'
e = RC
Runoff = N/A
Runout = N/A




PRELIMINARY PLANS NOT FOR CONSTRUCTION

## COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| PI | CR 1226 | 3807445.324 | 5625173.417 | | 35+36.45 | |
| PT | CR 1226 | 3807429.441 | 5625407.421 | | 37+68.53 | |
| PC | CR 1226 | 3807413.110 | 5625648.013 | | 40+09.68 | |
| PI | CR 1226 | 3807390.770 | 5625977.136 | | 43+39.56 | |
| PT | CR 1226 | 3807491.782 | 5626291.170 | | 46+61.52 | |
| PC | CR 1226 | 3807611.948 | 5626664.754 | | 50+53.95 | |
| PI | CR 1226 | 3807633.067 | 5626730.408 | | 51+22.92 | |
| PT | CR 1226 | 3807661.752 | 5626793.126 | | 51+91.73 | |
| PC | CR 1226 | 3807769.470 | 5627028.645 | | 54+50.71 | |
| PI | CR 1226 | 3807801.948 | 5627099.656 | | 55+28.80 | |
| PT | CR 1226 | 3807878.745 | 5627113.782 | | 55+94.70 | |
| POE | CR 1226 | 3808033.775 | 5627142.297 | | 57+52.33 | |

SEE SHEETS R171 AND R172 FOR CONTROL POINTS AND ROW

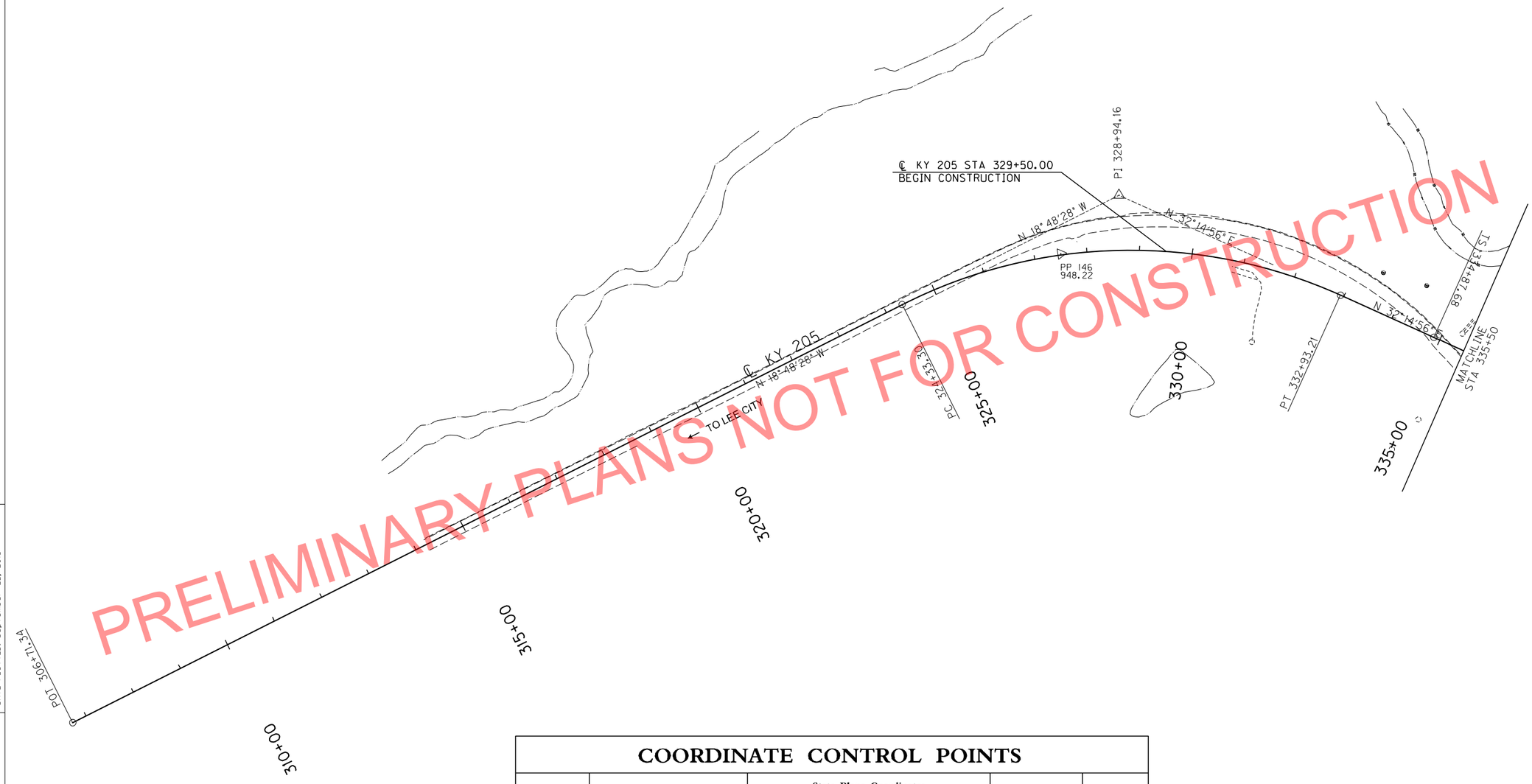
0' 100' 200' 400'

SCALE: 1"=100'

MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET
STA 233+00 TO STA 256+67.06

MicroStation v8.11.9.832
E-SHEET NAME: R1690CC
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\R5200CC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R153 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

## COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| POT | KY 205 | 3807816.435 | 5616698.462 | | 306+71.34 | |
| PC | KY 205 | 3809484.312 | 5616130.418 | | 324+33.30 | |
| PI | KY 205 | 3809920.571 | 5615981.838 | | 328+94.16 | |
| PT | KY 205 | 3810310.344 | 5616227.755 | | 332+93.21 | |
| TS | KY 205 | 3810474.814 | 5616331.523 | | 334+87.68 | |

SEE SHEETS R171 AND R172 FOR CONTROL POINTS AND ROW

0' 100' 200' 400'

SCALE: 1"=100'

KY 205
COORDINATE CONTROL SHEET
STA 306+71.34 TO STA 335+50

MicroStation v8.11.9.832
E-SHEET NAME: R17000CC
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\000008298\DESIGN\PLAN SET\COORDINATE CONTROL\R153000CC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R154 |

# COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| M–P #501 | NOT GIVEN | 3810879.810 | 5614242.940 | 964.79 | 115+12.41 | –1.45 |
| M–P #502 | 2"Aluminum Cap on 5/8"x46" rebar | 3811405.230 | 5615708.700 | 952.32 | 130+41.27 | –160.78 |
| 12–29–43 | NOT GIVEN | 3811188.380 | 5617646.760 | 950.22 | 149+45.72 | –126.23 |
| 12–29–44 | 3.25" Aluminum Disk with 5/8" x 18" Rebar Set on a 24" Deep Poured in Place Concrete Cylinder | 3810956.610 | 5618256.020 | 955.60 | 155+90.91 | –86.58 |
| PP 55 | Plastic "L" with I.P. | 3810388.440 | 5621204.610 | 959.89 | 185+71.63 | –450.25 |
| M–P #507 | 2" Aluminum Cap on 5/8" x 46" Rebar | 3809678.500 | 5622092.290 | 964.16 | 196+30.92 | –54.83 |
| M–P #508 | Aluminum Disk with 5/8" Rebar Set In a 24" Deep Poured in Place Concrete Cylinder | 3809150.610 | 5623029.030 | 964.83 | 206+93.72 | –58.95 |
| PP 057 | Plastic "L" with I.P.C. | 3809499.470 | 5623938.550 | 971.69 | 211+40.32 | –914.28 |
| PP 058 | Combo Plastic & Painted "L" | 3808414.570 | 5623294.390 | 975.71 | 213+76.31 | 325.19 |
| M–P #509 /PP 59 | Aluminum Disk with 5/8" Rebar Set in a 24" Deep 6" Concrete Cylinder | 3808082.650 | 5624177.140 | 973.14 | 222+57.77 | 9.37 |
| M–P #510 | 2" Aluminum Cap on 5/8" x 46" Rebar | 3807594.760 | 5625162.920 | 978.77 | 233+72.67 | –9.68 |
| PP 060 | Painted "L" with Magnetic Nail | 3807698.940 | 5626994.870 | 987.21 | 251+93.01 | 180.09 |
| PP 062 | Plastic "L" with I.P.C. | 3807833.800 | 5625810.020 | 985.53 | 240+46.17 | –301.26 |
| M–P #511 | NOT GIVEN | 3807626.600 | 5626309.690 | 984.44 | 245+36.81 | –10.45 |
| M–P #512 | NOT GIVEN | 3808139.840 | 5627372.660 | 1001.79 | 257+19.96 | –63.73 |
| PP 145 | NOT GIVEN | 3807801.610 | 5616981.180 | 950.70 | 305+66.16 | 262.84 |
| PP 146 | NOT GIVEN | 3809795.720 | 5616076.550 | 948.22 | 327+50.36 | –2.34 |
| POT | RAMP D | 3811512.548 | 5616454.284 | | 50+00.58 | |
| PC | RAMP D | 3811422.635 | 5615894.402 | | 55+67.63 | |
| PC | RAMP C | 3811066.292 | 5617937.760 | | 17+41.75 | |
| PI | RAMP C | 3811138.043 | 5617757.250 | | 19+36.00 | |
| PT | RAMP C | 3811189.259 | 5617569.875 | | 21+29.85 | |
| PC | RAMP C | 3811243.365 | 5617371.926 | | 23+35.06 | |
| PI | RAMP C | 3811293.874 | 5617187.137 | | 25+26.62 | |
| PT | RAMP C | 3811374.637 | 5617013.426 | | 27+17.29 | |
| PI | RAMP C | 3811523.641 | 5616692.939 | | 30+70.72 | |
| PT | RAMP C | 3811514.906 | 5616505.019 | | 32+51.54 | |
| POT | RAMP C | 3811512.548 | 5616454.284 | | 33+02.33 | |
| SC | KY 205 | 3810606.978 | 5616410.501 | | 336+41.68 | |
| PI | KY 205 | 3811485.429 | 5616969.146 | | 346+82.63 | |
| CS | KY 205 | 3811976.751 | 5616079.859 | | 351+83.05 | |
| ST | KY 205 | 3812081.608 | 5615906.133 | | 353+86.05 | |
| TS | KY 205 | 3812248.443 | 5615608.659 | | 357+27.12 | |
| POT | KY 191 | 3811660.947 | 5616705.380 | | 46+21.75 | |
| PC | KY 191 | 3811719.766 | 5616582.049 | | 47+58.39 | |
| PI | KY 191 | 3811776.896 | 5616462.258 | | 48+91.11 | |
| PT | KY 191 | 3811702.312 | 5616352.481 | | 49+99.37 | |
| POT | KY 191 | 3811701.958 | 5616351.960 | | 50+00.00 | |

# ROW COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| EB MT PKWY ROW | ROW MON TY 1 | 3810419.058 | 5613227.916 | | 104+00.00 | 129.14 |
| EB MT PKWY ROW | ROW MON TY 1 | 3810262.993 | 5613420.281 | | 105+30.00 | 340.00 |
| MT PKWY ROW | ROW MON TY 1 | 3810795.427 | 5614751.139 | | 119+75.00 | 241.57 |
| MT PKWY ROW | ROW MON TY 1 | 3810779.598 | 5615325.550 | | 125+65.00 | 392.00 |
| MT PKWY ROW | ROW MON TY 1 | 3810878.357 | 5615654.397 | | 129+30.00 | 342.55 |
| MT PKWY ROW | ROW MON TY 1 | 3810937.229 | 5616415.114 | | 137+43.00 | 311.63 |
| WB MN PKWY ROW | ROW MON TY 1 | 3613662.758 | 3810846.731 | | 9+49.28 | –137.09 |
| WB MN PKWY ROW | ROW MON TY 1 | 3613962.634 | 3811036.056 | | 13+00.00 | –222.00 |
| MT PKWY ROW | ROW MON TY 1 | 3614343.866 | 3811157.737 | | 117+00.00 | –230.00 |
| MT PKWY ROW | ROW MON TY 1 | 3614657.612 | 3811195.798 | | 120+00.00 | –168.83 |
| MT PKWY ROW | ROW MON TY 1 | 3811503.604 | 5615815.756 | | 131+50.00 | –265.26 |
| KY 205 ROW | ROW MON TY 1 | 3810397.017 | 5616196.804 | | 333+50.00 | –72.42 |
| KY 205 ROW | ROW MON TY 1 | 3810475.081 | 5616232.370 | | 334+35.00 | –84.00 |
| KY 205 ROW | ROW MON TY 1 | 3810617.957 | 5616336.679 | | 336+15.00 | –70.00 |
| KY 205 ROW | ROW MON TY 1 | 3810729.414 | 5616372.486 | | 337+40.00 | –87.00 |
| KY 205 ROW | ROW MON TY 1 | 3810741.972 | 5616390.582 | | 337+60.00 | –75.00 |
| KY 205 ROW | ROW MON TY 1 | 3811650.107 | 5616266.272 | | 348+00.00 | –100.00 |
| KY 205 ROW | ROW MON TY 1 | 3811806.582 | 5616167.762 | | 350+00.00 | –75.00 |
| KY 205 ROW | ROW MON TY 1 | 3811993.909 | 5615921.235 | | 353+29.47 | –68.96 |
| KY 205 ROW | ROW MON TY 1 | 3810684.198 | 5616543.290 | | 337+62.55 | 88.25 |
| KY 205 ROW | ROW MON TY 1 | 3810877.446 | 5616606.825 | | 339+50.00 | 94.35 |
| MT PKWY ROW | ROW MON TY 1 | 3810908.174 | 5616788.139 | | 141+40.50 | 312.01 |
| MT PKWY ROW | ROW MON TY 1 | 3810892.104 | 5617402.972 | | 147+81.23 | 221.15 |
| MT PKWY ROW | ROW MON TY 1 | 3810862.877 | 5617577.592 | | 149+65.00 | 206.00 |
| MT PKWY ROW | ROW MON TY 1 | 3810766.368 | 5618009.891 | | 154+15.00 | 170.00 |
| MT PKWY ROW | ROW MON TY 1 | 3810676.150 | 5618159.426 | | 155+85.00 | 210.00 |
| MT PKWY ROW | ROW MON TY 1 | 3810428.678 | 5619188.106 | | 166+40.00 | 130.00 |
| MT PKWY ROW | ROW MON TY 1 | 3810089.189 | 5619393.891 | | 169+40.00 | 390.00 |
| MT PKWY ROW | ROW MON TY 1 | 3809941.750 | 5619672.075 | | 172+50.00 | 445.00 |
| MT PKWY ROW | ROW MON TY 1 | 3810097.982 | 5620116.419 | | 176+25.00 | 160.00 |
| MT PKWY ROW | ROW MON TY 1 | 3809803.148 | 5620835.654 | | 184+00.00 | 220.00 |
| MT PKWY ROW | ROW MON TY 1 | 3809676.752 | 5621162.646 | | 187+50.00 | 240.00 |
| MT PKWY ROW | ROW MON TY 1 | 3809448.903 | 5621849.823 | | 194+80.00 | 245.00 |
| MT PKWY ROW | ROW MON TY 1 | 3809193.311 | 5622212.393 | | 199+50.00 | 340.00 |
| MT PKWY ROW | ROW MON TY 1 | 3809132.347 | 5622493.841 | | 202+50.00 | 258.37 |
| MT PKWY ROW | ROW MON TY 1 | 3808650.115 | 5622960.304 | | 209+70.00 | 370.00 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\R154OCC.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R1700CC
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R155 |

## ROW COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| MT PKWY ROW | ROW MON TY 1 | 3808564.112 | 5623404.830 | | 213+60.00 | 140.00 |
| MT PKWY ROW | ROW MON TY 1 | 3808330.279 | 5623691.966 | | 217+30.00 | 125.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807913.405 | 5624148.887 | | 223+40.00 | 140.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807752.754 | 5624109.056 | | 224+00.00 | 292.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807528.995 | 5624408.598 | | 227+30.00 | 320.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807335.977 | 5624928.162 | | 232+20.00 | 300.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807310.841 | 5625043.933 | | 233+25.00 | 294.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807270.891 | 5625740.344 | | 239+50.00 | 258.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807379.836 | 5626511.452 | | 246+50.00 | 285.00 |
| MT PKWY ROW | ROW MON TY 1 | 3807645.392 | 5626939.142 | | 251+20.06 | 205.61 |

## WITNESS POST COORDINATE CONTROL POINTS

| POINT | DESCRIPTION | State Plane Coordinates | | | STATION | OFFSET |
|---|---|---|---|---|---|---|
| | | NORTH (Y) | EAST (X) | ELEV. (Z) | | |
| MT PKWY | WITNESS POST | 3810863.841 | 5617577.857 | | 149+65.00 | 205.00 |
| MT PKWY | WITNESS POST | 3810767.320 | 5618010.198 | | 145+15.00 | 169.00 |
| MT PKWY | WITNESS POST | 3810677.101 | 5618159.733 | | 155+85.00 | 209.00 |
| | | | | | | |
| MT PKWY | WITNESS POST | 3807753.558 | 5624109.651 | | 224+00.00 | 291.00 |
| MT PKWY | WITNESS POST | 3807529.875 | 5624409.074 | | 227+30.00 | 319.00 |
| MT PKWY | WITNESS POST | 3807336.936 | 5624928.445 | | 232+20.00 | 299.00 |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MOUNTAIN PARKWAY
COORDINATE CONTROL SHEET

MicroStation v8.11.9.832
E-SHEET NAME: R1720CC
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\COORDINATE CONTROL\R3500CC.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R156 |

# GEOTECHNICAL NOTES

1. Clearing and grubbing of roadway areas shall be completed in accordance with the requirements of Section 202 of the current edition of the Standard Specifications for Road and Bridge Construction prior to any roadway excavation and/or embankment construction.

2. Removal of existing structures and other obstructions shall be completed in accordance with Section 203 of the current edition of the Standard Specifications for Road and Bridge Construction.

3. The excavation of surface ditches and channel changes adjacent to embankment areas shall be performed prior to the placement of the adjacent embankments. These operations shall be incidental to Roadway Excavation or Embankment-in- Place and no additional compensation shall be made for this work. The material excavated for the channel changes and surface ditches is suitable for embankment construction, unless noted otherwise, if dried to proper moisture content in accordance with Section 206 of the current Standard Specifications for Road and Bridge Construction.

4. The Contractor is responsible for conducting any operations necessary to excavate the cut areas to the required typical section. These operations shall be incidental to Roadway Excavation or Embankment-in-Place and no additional compensation shall be made for this work.

5. Slope protection will be required at the bridges meeting the requirements sections 703 and 805 of the Standard Specifications of Road and Bridge Construction, current edition. Place a Type I Geotextile Fabric, in accordance with Sections 214 and 843 of the Standard Specifications of Road and Bridge Construction, current edition, between the embankment and the slope protection.

6. The Contractor shall perform any/all procedures required to control erosion and water pollution in accordance with Sections 212 and 213 of the current edition of the Standard Specifications for Road and Bridge Construction.

7. The Contractor shall conduct grading operations in such a manner that durable sandstone and durable shale (SDI >= 95) from Roadway Excavation is stockpiled separately, or otherwise manipulated, so that ample quantities are available for use in the rock roadbed and for use in the embankments, as required by the Engineer. No direct payment will be allowed for such necessary manipulating, stockpiling, hauling, and/or handling of the material.

8. In accordance with Section 206 of the current Standard Specifications for Road and Bridge Construction, the moisture content of embankment material shall not vary from the optimum moisture content as determined by KY 64-511 by more than plus or minus 2 percent. This moisture content requirement shall have equal weight with the density requirement when determining the acceptability of embankment construction. Refer to the Family of Curves for moisture/density correlation.

9. All soils, whether from roadway excavation or borrow, may require manipulation to obtain proper moisture content prior to compaction. Direct payment shall not be permitted for rehandling, hauling, stockpiling, and/or manipulating soils.

10. All embankment construction consisting of non-durable shale will be in accordance with Section 206 of the current Standard Specifications for Road and Bridge Construction, "Embankments Principally of Non-Durable Shale"or "Embankment of Rock/Shale/Soil Combination", as directed by the Engineer.

11. Perforated pipes for subgrade drainage shall be installed at vertical sags in accordance with Standard Drawing RDP-005 at the following approximate locations and/or where designated by the Engineer. Any existing drain pipes encountered during construction shall be extended.

**Approximate Stations**

| KY 9009 | Ramp D |
|---|---|
| 119+86 | 68+64 |
| 159+91 | **CR 1226** |
| 200+49 | 30+31 |
| **Ramp A** | 40+89 |
| 11+25 | 53+70 |

12. Perforated pipes for subgrade drainage shall be installed at the upgrade end of bridges in accordance with Standard Drawing RDP-005 at the following approximate locations and/or where designated by the Engineer. Any existing drain pipes encountered during construction shall be extended.

**Approximate Stations**

| KY 9009 | Ramp D |
|---|---|
| 132+00 WB | 59+79 |
| 132+36 EB | **KY 205** |
| **Ramp A** | 338+55 |
| 21+16 | |

13. Transverse benches and/or perforated pipe underdrains shall be installed at the following approximate locations and at any others designated by the Engineer in accordance with Standard Drawings RDP-005 and RDP-006. Contrary to Standard Drawing RDP-006, transverse benches and perforated pipe underdrains shall be installed on both the upgrade and downgrade cut to fill transitions. Any existing underdrains encountered during construction shall be extended.

**Approximate Stations**

| KY 9009 | CR 1226 |
|---|---|
| 122+50 | 35+50 |
| 128+70 | 36+85 |
| 209+60 | 42+00 |
| 212+00 | 42+90 |
| 228+25 | 49+00 |
| 232+50 | **KY 191** |
| **Ramp D** | 48+75 |
| 52+75 | |
| **KY 205** | |
| 328+25 | |
| 344+15 | |

14. Foundation embankment benches and/or longitudinal perforated pipe underdrains shall be constructed in accordance with Standard Drawings RGX- 010 and RDP-006 at the locations listed at the top of the next column and/or as directed by the Engineer.

**Approximate Stations**

| KY 9009 | Ramp C |
|---|---|
| 114+02 to 116+75, Left | 16+00 to 17+00, Right |
| 118+25 to 122+00, Right | **Ramp D** |
| 125+75 to 128+75, Left | 54+00 to 56+50, Right |
| 145+25 to 148+00, Left | 62+25 to 70+00, Right |
| 147+75 to 152+25, Right | **KY 205** |
| 161+25 to 162+25, Right | 329+50 to 332+00, Left |
| 247+00 to 253+00, Both Sides | **CR 1226** |
| **Ramp A** | 41+25 to 42+50, Left |
| 11+50 to 20+75, Left | 48+75 to 49+75, Right |
| **Ramp B** | |
| 58+50 to 63+42, Both Sides | |

15. Construct a 2-foot rock roadbed consisting of durable sandstone from roadway excavation for the entire project. The sandstone shall be underlain with Geotextile Fabric, Type IV in accordance with Sections 214 and 843 of the current Standard Specifications for Road and Bridge Construction and extend shoulder to shoulder in the fills and ditchline to ditchline in the cuts. Where soft and/or wet subgrade is encountered during construction, the thickness of the rock roadbed may need to be adjusted (increased) to also serve as a working platform for subgrade stabilization. These adjustments, as directed by the Engineer, may depend on seasonal fluctuations in the water table.

16. In order to provide a working platform for embankment construction, place durable sandstone or durable shale (SDI ≥95) from Roadway Excavation over soft and/or saturated areas within the limits recommended below and/or as directed by the Engineer. The required thickness is estimated to be two (2) feet, but the actual locations and thickness may depend on seasonal fluctuations in the water table, and will be as directed by the Engineer. Any soft/saturated areas that cannot be stabilized with two feet of rock maybe undercut and backfilled with durable sandstone or durable shale, as directed by the Engineer. The sandstone or shale shall be underlain with Geotextile Fabric, Type IV in accordance with Sections 214 and 843 of the current Standard Specifications for Road and Bridge Construction. The working platform should be constructed to allow for permanent, positive drainage to prevent trapping water within the roadway embankment.

**Approximate Station Interval**

| KY 9009 |
|---|
| 132+00 to 150+00 |

17. A Gabion wall will be required at KY 9009 Station 224+00, left, along State Road Fork as shown on the plans or as directed by the Engineer. The maximum height of the wall is 12 feet and should be constructed in accordance with Standard Drawing RGX-050. The Gabion wall should be embedded a minimum of 12 inches below the stream bottom. All soft and unsuitable material should be removed and replaced with sandstone or durable shale (SDI ≥ 95). The finished subgrade shall be smooth and uniform, with no protruding debris or rock formations. No Gabions shall be constructed upon frozen foundation material.

18. Pile cores shall be constructed for the bridge end bents at all of the Red River bridges, the SR 205 Interchange, and the SR 205 - State Road Fork bridge in accordance with Kentucky Standard Drawings RGX-100 and RGX-105. The pile cores shall meet the material requirements of the current edition of Special Provision 69. It is recommended that the pile cores and the adjacent embankments consist of similar materials to prevent migration of fines into or out of the pile cores, and future settlement of the embankments (i.e. place soil embankment around a cohesive pile core, and rock or granular embankment around a granular pile core). If dissimilar materials are used, a Geotextile Fabric, Type IV, separator will be required between the pile core and embankment, in accordance with Sections 214 and 843 of the current Standard Specifications for Road and Bridge Construction.

19. As directed by the Engineer, all water wells within the limits of construction, whether shown on the plans or not, shall be plugged in accordance with Section 708 of the current Standard Specifications for Road and Bridge Construction.

20. Whether shown on the plans or not, all catch basins and manholes shall be filled and capped and all septic tanks shall be filled in accordance with Section 708 of the current Standard Specifications for Road and Bridge Construction.

21. Any coal encountered at or within 4 feet of roadway grade shall be removed to a depth of 4 feet below planned grade. The Contractor shall not perform additional undercutting to recover coal unless prior approval of the Engineer has been obtained. Any such undercutting at or near grade for recovery of coal shall be backfilled with sandstone or durable shale (SDI >= 95) in 2 foot lifts, and positive drainage shall be maintained through the cut using 8-inch perforated underdrains as applicable.

22. Any mine tunnels or horizontal openings which are exposed in cut slopes, whether shown on the plans or not, shall be backfilled a minimum distance of 20 feet from the face of the cut. To insure that the void is completely backfilled, pneumatic backstowing with broken stone (maximum size 1 ½inch with no more than 5% passing the No. 100 sieve) shall be required in an effort to completely fill any voids. The last 5 feet, horizontally, of backstowed material shall contain five (5) percent cement, by weight, and shall be backstowed as a slurry mix. This will help provide stability of the backstowed material at the face of the cut. If feasible, positive drainage of the tunnels or openings shall be provided through the use of pipe drains, surface ditches or other suitable drainage facilities. Pipes and other material used for drainage shall be paid for at the unit bid price for those items. Pneumatic backstowing or other special equipment shall be paid for at the unit bid price per ton of backstowed material.

23. Any vertical opening or air shaft under a proposed embankment, whether shown on the plans or not, shall be filled with broken stone (sandstone and/or durable shale with an SDI >= 95) from roadway excavation and capped with 8" thick reinforced concrete slab and/or as directed by the Engineer. The slab shall be in accordance with Section 708 of the Standard Specifications for Road and Bridge Construction, current edition.

24. Excess material should be deposited on a permitted site. All work associated with excess material placement shall conform to Section 205 of the current Standard Specifications for Road and Bridge Construction, and all applicable plan notes and bid documents. The Contractor will be responsible for preparing plans for the site and submitting to the Cabinet for review. The Contractor will be responsible for a geotechnical investigation of the excess material site in accordance with Section 205.04 of the current Standard Specifications for Road and Bridge Construction, and subject to review by the Cabinet.

25. Several soil cut slopes above the overburden bench are steeper than 2H:1V due to right-of-way constraints. These slopes will not maintain minimum factor of safety requirements for slope stability and additional maintenance of these slopes after construction will probably be required. The cut stations and proposed slope configuration are below.

| Cut Stations | Panned Slope Configuration |
|---|---|
| SR 9009 – STA. 168+50 | 1.9H:1V |
| Ramp A – STA 10+50 | 1.9H:1V |
| Ramp A – STA 11+50 | 1.75H:1V |
| Ramp A – STA 12+50 | 1.96H:1V |
| Ramp A – STA 13+00 | 1.88H:1V |
| Ramp D – STA 67+70 | 1.75H:1V |
| CR 1226 – STA 30+00 | 1.85H:1V |
| CR 1226 – STA 41+00 | 1.9H:1V |
| CR 1226 – STA 41+50 | 1.9H:1V |

26. A few cut and fill slopes will need to be flatter than 2H:1V to maintain minimum factor of safety requirements for slope stability. The cut and fill stations and required slopes are below.

| Approximate Cut and Fill Stations | Steepest Allowable Slope |
|---|---|
| KY 9009 - STA 133+00 Right | 2.5H:1V |
| KY 205 – STA 344+50 | 3H:1V |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

DESIGNED BY: KS Ware & Associates
DATE SUBMITTED: July 13, 2016

**Commonwealth of Kentucky**
**DEPARTMENT OF HIGHWAYS**
**COUNTY OF**

## Wolfe & Morgan

PROJECT NUMBERS: NHPP 0061(067)
FD52 119 9009 056-058 FD52 088 9009 057-060

MicroStation v8.11.9.832
E-SHEET NAME:
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R156000T.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R157 |

# GEOTECHNICAL SYMBOL SHEET

## AASHTO Classification of Soils and Soil-Aggregate Mixtures

| General Classification | Granular Materials (35% or less passing 0.075 mm) | | | | | | | Silt-Clay Materials (More than 35% passing 0.075 mm) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Group Classification | A-1 | | A-3 | A-2 | | | | A-4 | A-5 | A-6 | A-7 |
| | A-1-a | A-1-b | | A-2-4 | A-2-5 | A-2-6 | A-2-7 | | | | A-7-5 A-7-6 |
| Sieve Analysis, Percent Passing | | | | | | | | | | | |
| 2.00 mm (No. 10) | 50 max | - - - | - - - | - - - | - - - | - - - | - - - | - - - | - - - | - - - | - - - |
| 0.425 mm (No. 40) | 30 max | 50 max | 51 min | - - - | - - - | - - - | - - - | - - - | - - - | - - - | - - - |
| 0.075 mm (No. 200) | 15 max | 25 max | 10 max | 35 max | 35 max | 35 max | 35 max | 36 min | 36 min | 36 min | 36 min |
| Characteristics of Fraction Passing 0.425 mm (No. 40) | | | | | | | | | | | |
| Liquid Limit | - - - | | - - - | 40 max | 41 min | 40 max | 41 min | 40 max | 41 min | 40 max | 41 min |
| Plasticity Index | 6 max | | N.P. | 10 max | 10 max | 11 min | 11 min | 10 max | 10 max | 11 min | 11 min |

## Unified Soil Classifications

| MAJOR DIVISIONS | | SYMBOL | NAME |
|---|---|---|---|
| COARSE GRAINED SOILS | GRAVEL AND GRAVELLY SOILS | GW | Well-graded gravels or gravel-sand mixtures, little or no fines. |
| | | GP | Poorly graded gravels or gravel-sand mixtures, little or no fines. |
| | | GM | Silty gravels, gravel-sand-silt mixtures. |
| | | GC | Clayey gravels, gravel-sand-clay mixtures. |
| | SAND AND SANDY SOILS | SW | Well graded sands or gravelly sands, little or no fines. |
| | | SP | Poorly graded sands or gravelly sands, little or no fines. |
| | | SM | Silty sands, sand-silt mixtures. |
| | | SC | Clayey sands, sand-clay mixtures. |
| FINE GRAINED SOILS | SILTS AND CLAYS LL IS LESS THAN 50 | ML | Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity. |
| | | CL | Inorganic clays of low to medium plasticity, gravelly clays, sandy clays silty clays, lean clays. |
| | SILTS AND CLAYS LL IS GREATER THAN 50 | MH | Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts. |
| | | CH | Inorganic clays of high plasticity, fat clays. |
| UNCLASSIFIED MATERIAL | | NONE | Non-classified materials (e.g. overburden, pavement, slag, etc.) Include visual description. |

| | |
|---|---|
| PI | Plasticity Index |
| AI | Activity Index |
| LI | Liquidity Index |
| S+C | Silt + Clay (% finer than No.200 Sieve) |
| ○ | Rockline Soundings |
| ◒ | Disturbed Sample Boring |
| ◎ | Undisturbed Sample Boring |
| ⊙ | Undisturbed Sample Boring & Rock Core |
| ● | Rock Core |
| ⊹ | Slope Inclinometer Installation typical applications: ⊹ ◒ ◎ ⊙ ● |
| OW | Observation Well |
| ▼ (Date) | Water Elevation |
| VS (psf) | Field Vane Shear Strength |
| ■ | Thin-walled Tube Sample |
| < | Standard Penetration Test Sample |
| N | Penetration Resistance |
| Qu (psf) | Unconfined Compressive Strength |
| UU (psf) | Unconsolidated Undrained Triaxial Strength |
| w% | Moisture Content |
| KY RQD | Rock Quality Designation (Kentucky Method) |
| Std RQD | Rock Quality Designation (Standard Method) |
| SDI(JS) | Slake Durability Index (Jar Slake Test) |
| REC | Core Recovery |
| ø | Angle of Internal Friction (Total Stress) |
| $\bar{ø}$ | Angle of Internal Friction (Effective Stress) |
| c (psf) | Cohesion (Total Stress) |
| $\bar{c}$ (psf) | Cohesion (Effective Stress) |
| ♂ (pcf) | Total Unit Weight |
| RDZ | Rock Disintegration Zone |
| OB | Overburden Bench |
| IB | Intermediate Bench |
| R | Refusal |
| NR | Refusal Not Encountered |

LIMESTONE

SANDSTONE

DURABLE SHALE (SDI ≥95)

NONDURABLE SHALE (SDI< 95)

COAL

TALUS, MINE WASTE, FILL MATERIAL, BOULDERS, & ETC.

GRANULAR EMBANKMENT

STRUCTURE GRANULAR BACKFILL

SLOPE PROTECTION

PRELIMINARY PLANS NOT FOR CONSTRUCTION

GEOTECHNICAL SYMBOL SHEET

MicroStation v8.11.9.459
E-SHEET NAME:
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\00008298\DESIGN\GEOTECH\GEOPLANSHEETS\R157000T.DGN

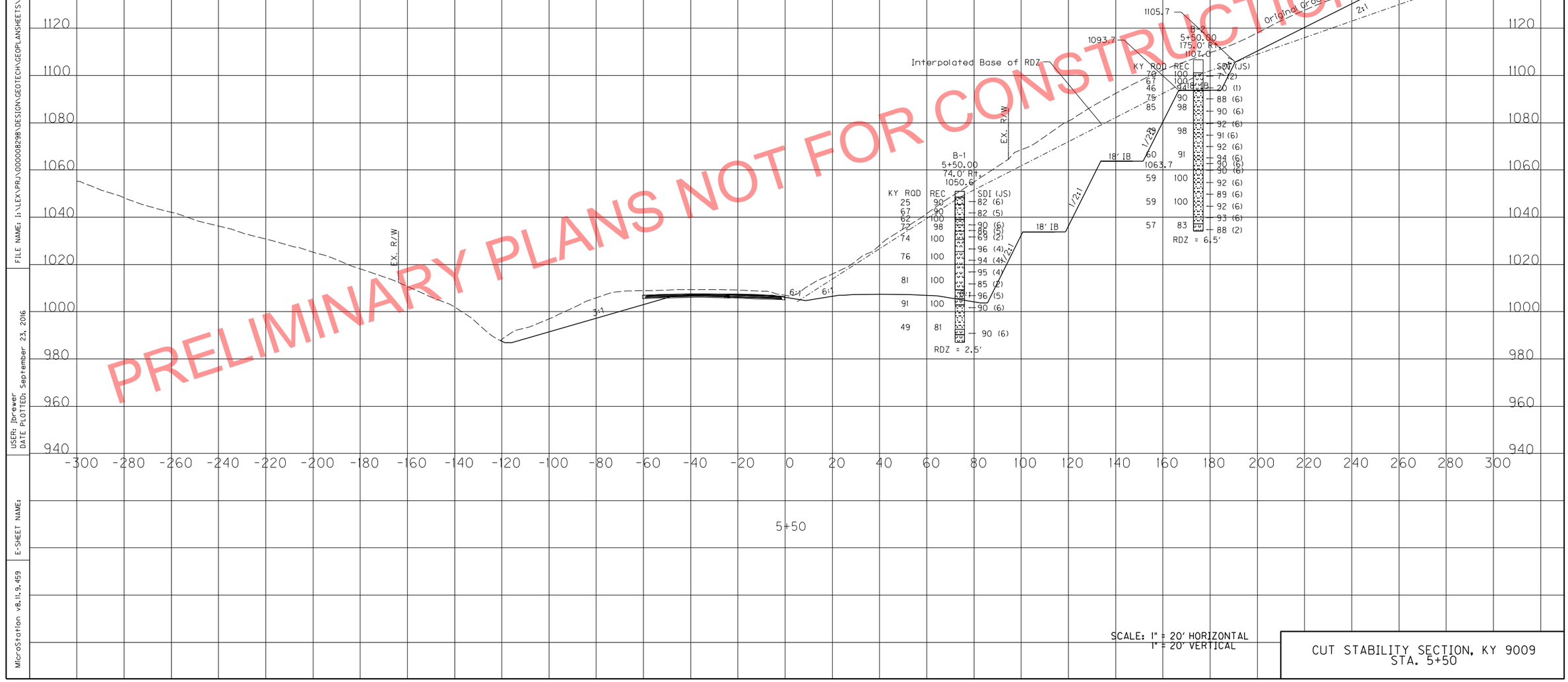
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R158 |

## CUT LIMITS FROM STA. 4+50.00 TO STA. 8+50.00
## Core Log Sta. 5+50.00 74' Rt.

| | | |
|---|---|---|
| Elev. | 1050.6 - 1048.1 | Overburden |
| | 1048.1 - 1038.6 | Sandstone: mica minerals, reddish brown, planar partings, nondurable |
| | 1038.6 - 1033.6 | Sandstone: thin coal lens, gray, nondurable |
| | 1033.6 - 1008.8 | Shale: micaceous minerals, dark gray, coal lens 1018.6 - 1018.0 |
| | 1008.8 - 1002.5 | Shale (siltstone): mica, gray, planar partings, dark gray shale lens 1003.6 - 1003.2 |
| | 1002.5 - 992.1 | Sandstone: mica, light gray, fine to medium grained, nondurable |
| | 992.1 - 989.9 | Shale: carbonaceous shale, dark gray |
| | 989.9 - 986.6 | Shale (siltstone): mica, gray, planar partings |

## Core Log Sta. 5+50.00 175' Rt.

| | | |
|---|---|---|
| Elev. | 1107.0 - 1101.5 | Overburden |
| | 1101.5 - 1094.4 | Shale: weathered, mica minerals, gray-brown, planar fractures |
| | 1094.4 - 1037.5 | Sandstone: mica, reddish brown-gray, planar partings, 10° angle fracture with 0.05' opening at 1088.2, nondurable |
| | 1037.5 - 1034.5 | Shale: mica, light to dark gray, silty planar partings with plant fossils |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

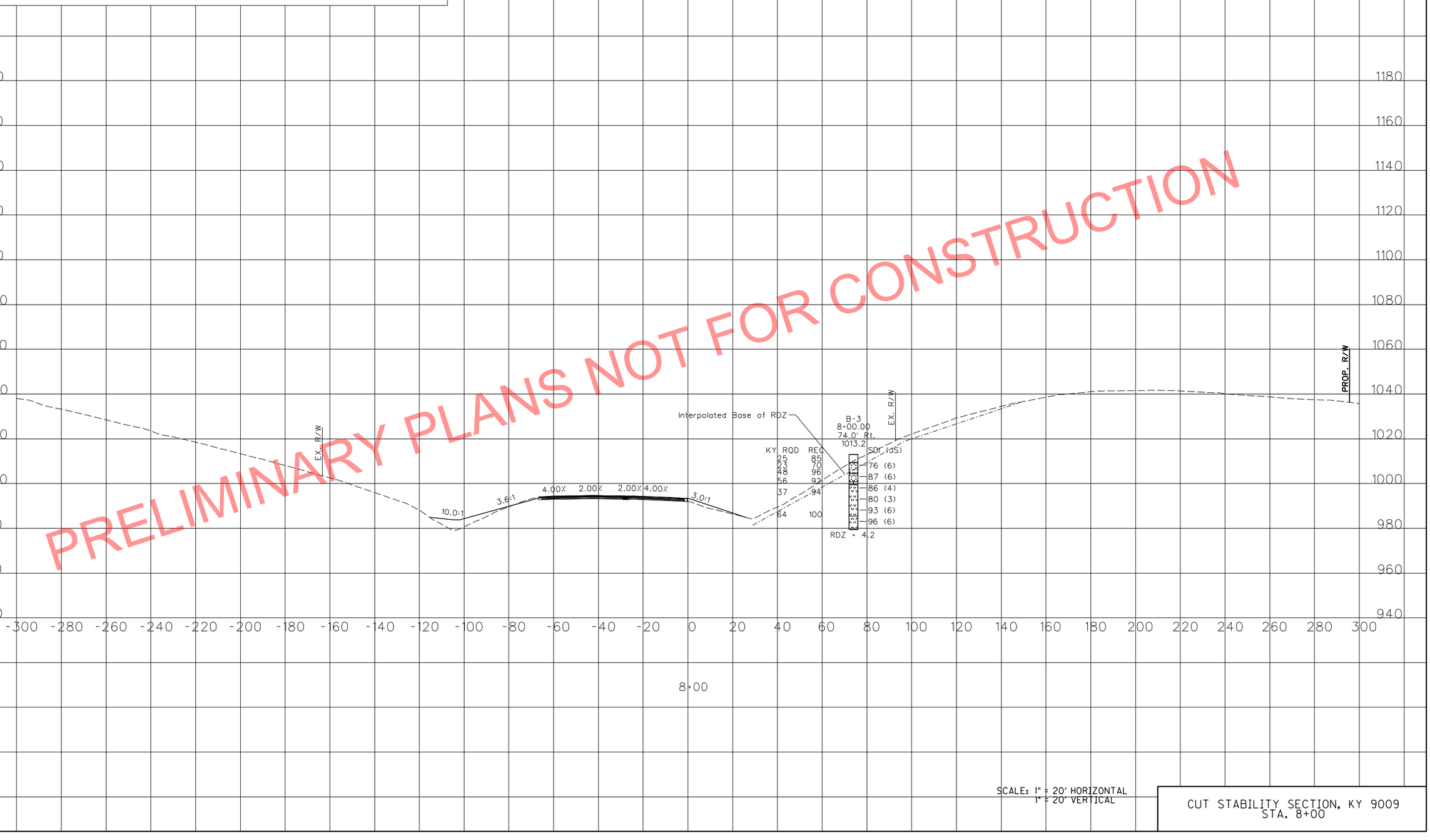
CUT STABILITY SECTION, KY 9009
STA. 5+50


FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R158000GT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R159 |

## Core Log Sta. 8+00.00 74' Rt.

| | | | |
|---|---|---|---|
| Elev. | 1013.2 | - 1009.7 | Overburden |
| | 1009.7 | - 1004.7 | Sandstone: mica, reddish-gray, nondurable |
| | 1004.7 | - 1000.9 | Sandstone: mica minerals, gray, planar partings, nondurable |
| | 1000.9 | - 999.6 | Shale: carbonaceous shale, dark gray |
| | 999.6 | - 979.7 | Shale: shale, mica minerals, dark gray, planar partings, coal lens 993.4 - 993.5 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

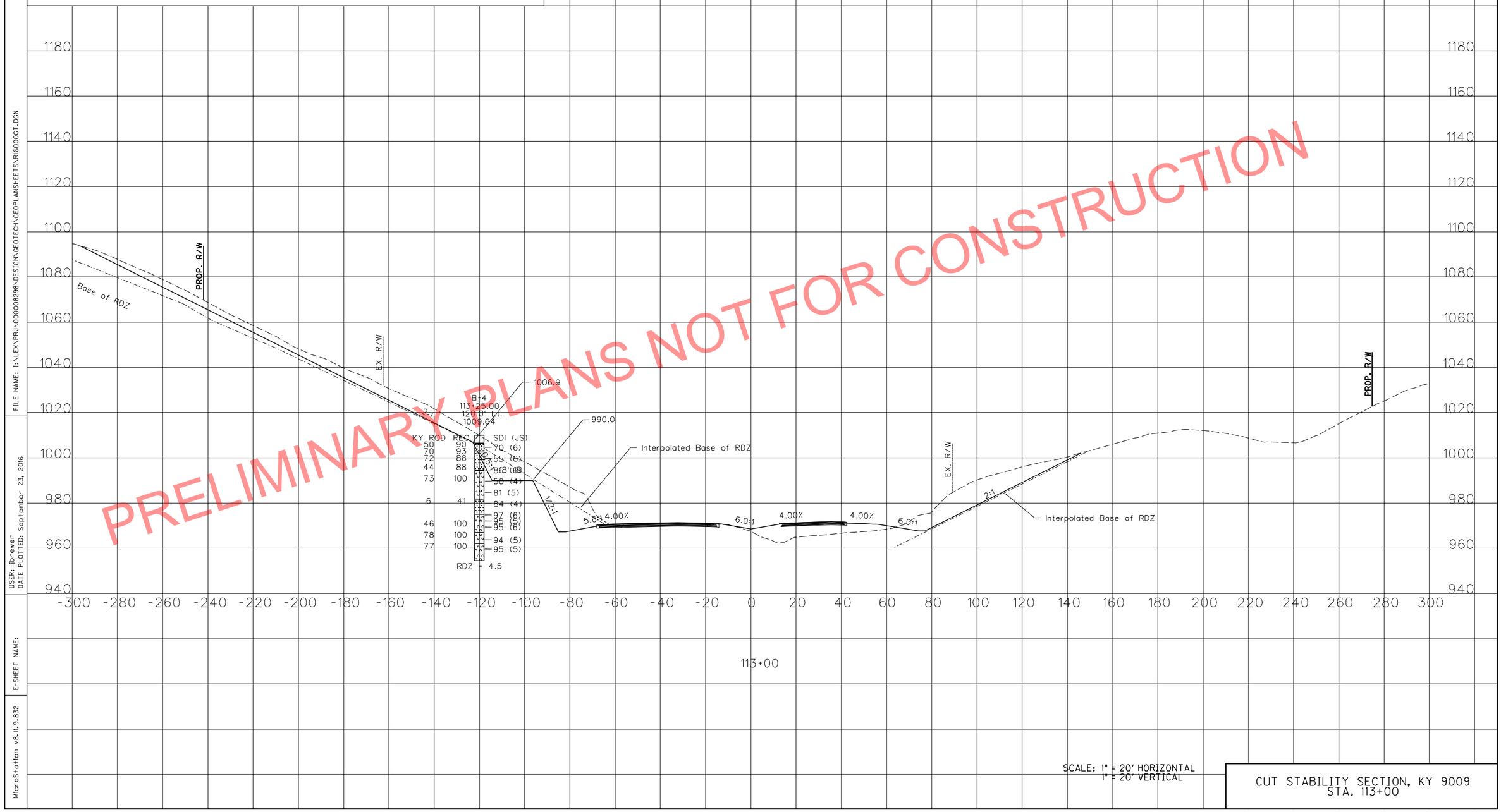
CUT STABILITY SECTION, KY 9009
STA. 8+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\RI59000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R160 |

CUT LIMITS FROM STA. 110+50.00 TO STA. 122+50.00
Core Log Sta. 113+25.00 120' Lt.

| | | |
|---|---|---|
| Elev. | 1009.6 - 1006.1 | Overburden |
| | 1006.1 - 994.0 | Sandstone: mica, reddish brown-gray, planar fractures, nondurable |
| | 994.0 - 981.0 | Shale: mica, dark gray-light gray, planar fractures, increasing bentonite and black shale (993.6 - 991.1), coal seam (broken up, 984.2 - 983.1) |
| | 981.0 - 974.6 | Sandstone: silty sandstone, mica, nondurable |
| | 974.6 - 954.1 | Shale: mica, light gray-dark gray, coal seams (970.5 - 969.7, 965.6 - 965.0, 955.3 - 954.7) |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

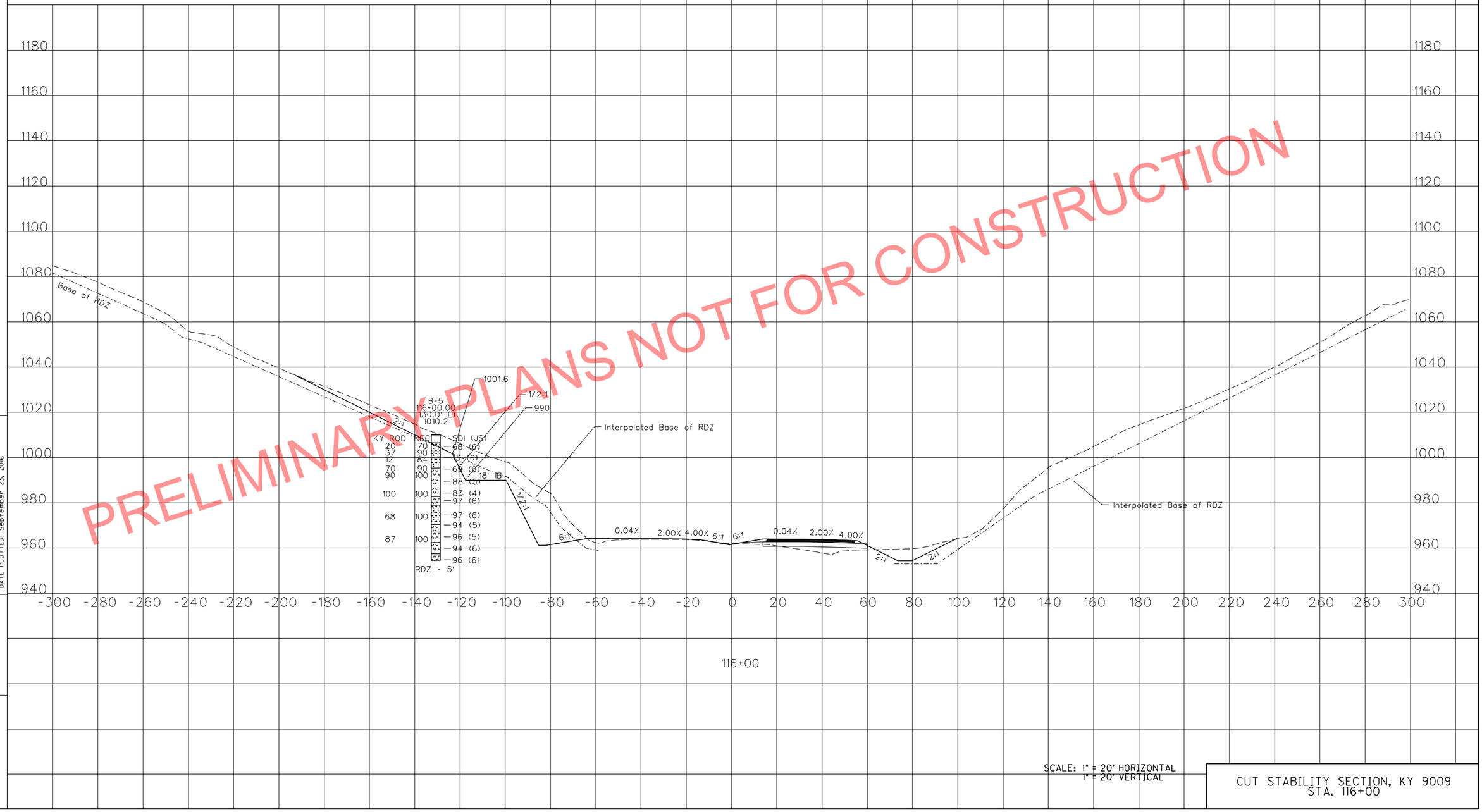
CUT STABILITY SECTION, KY 9009
STA. 113+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R160000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R161 |

CUT LIMITS FROM STA. 114+50.00 TO STA. 122+50.00
Core Log Sta. 116+00.00 130' Lt.

Elev. 1010.2 - 1006.7 Overburden
1006.7 - 995.5 Sandstone: weathered, mica, reddish-brown, planar fractures, nondurable
995.5 - 979.2 Shale: mica, light gray-dark gray, planar partings, black carbonaceous shale 994.7 - 994.2, coal seam 985.9 - 985.4
979.2 - 970.6 Sandstone: fine grained, durable
970.6 - 954.7 Shale: mica, light gray-dark gray, planar partings, coal seams 970.6 - 969.8 and 966.2 - 965.2




SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 116+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R161006T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

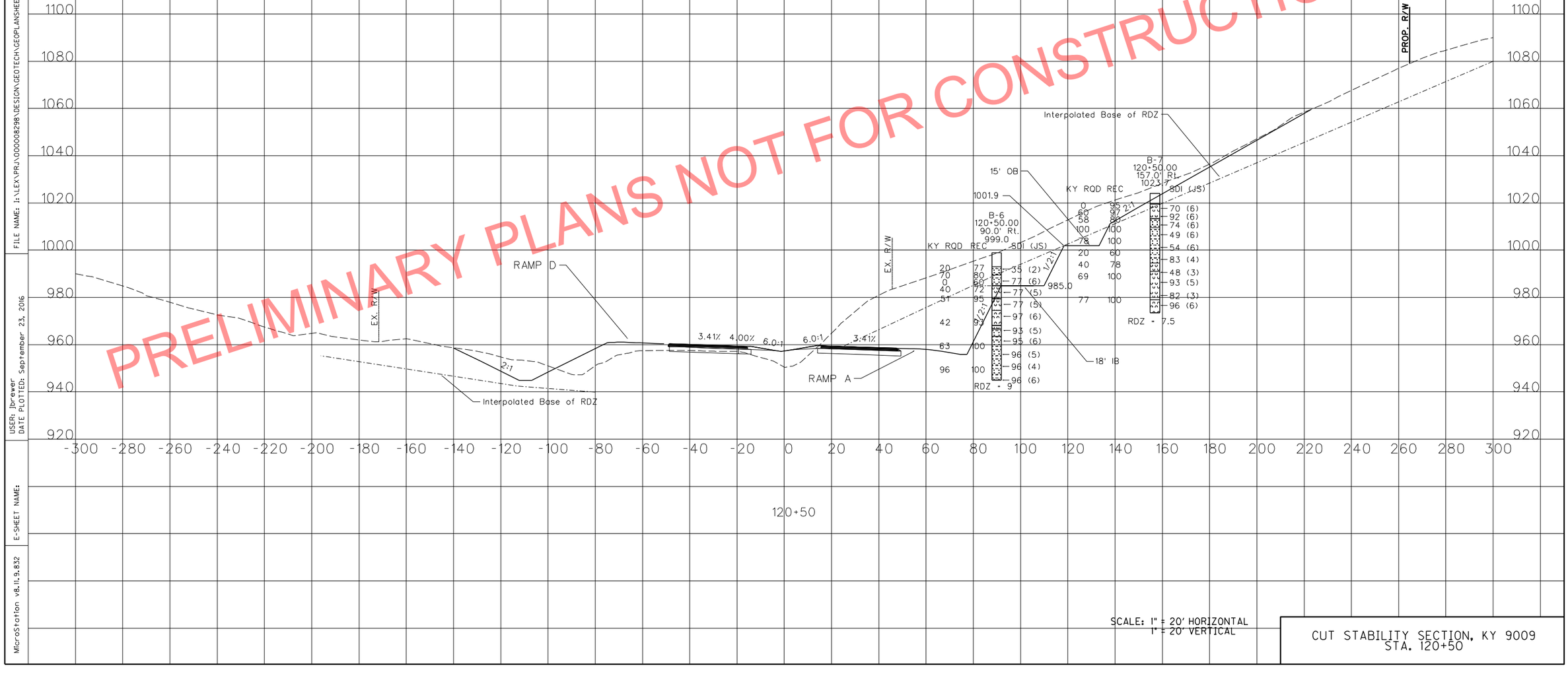
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R162 |

## CUT LIMITS FROM STA. 114+50.00 TO STA. 122+50.00
## Core Log Sta. 120+50.00 90' Rt.

| Elev. | | |
|---|---|---|
| 999.0 | - 993.0 | Overburden |
| 993.0 | - 985.0 | Sandstone: dark gray-reddish brown, planar partings, nondurable |
| 985.0 | - 979.5 | Shale: micaceous minerals, gray-dark gray, planar partings, void 985.0 - 983.6, coal 980.0 - 979.5 |
| 979.5 | - 968.2 | Shale: fine-grained with micaceous minerals, gray-dark gray, planar fractures, coal 969.1 - 968.2, weathered shale with coal 968.2 - 966.6 |
| 968.2 | - 966.6 | Shale: weathered, coal |
| 966.6 | - 959.6 | Shale: fine-grained, mica minerals, planar partings, crushed shale and coal 965.6 - 965.3 |
| 959.6 | - 956.7 | Sandstone: fine-grained, gray, mica minerals, planar partings, durable |
| 956.7 | - 945.0 | Shale: silty, fine-grained, gray, mica minerals, planar partings, coal 952.0 - 951.5, 30° angle fracture 951.0 |

## Core Log Sta. 120+50.00 157' Rt.

| Elev. | | |
|---|---|---|
| 1023.7 | - 1019.2 | Overburden |
| 1019.2 | - 1013.1 | Shale (siltstone): weathered siltstone, mica minerals, reddish brown-gray, planar partings |
| 1013.1 | - 994.2 | Sandstone: mica minerals, reddish-brown, planar partings, nondurable |
| 994.2 | - 987.5 | Shale: with coal, dark gray |
| 987.5 | - 973.2 | Shale: mica minerals, dark gray, planar fractures |




SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 120+50

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R162000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

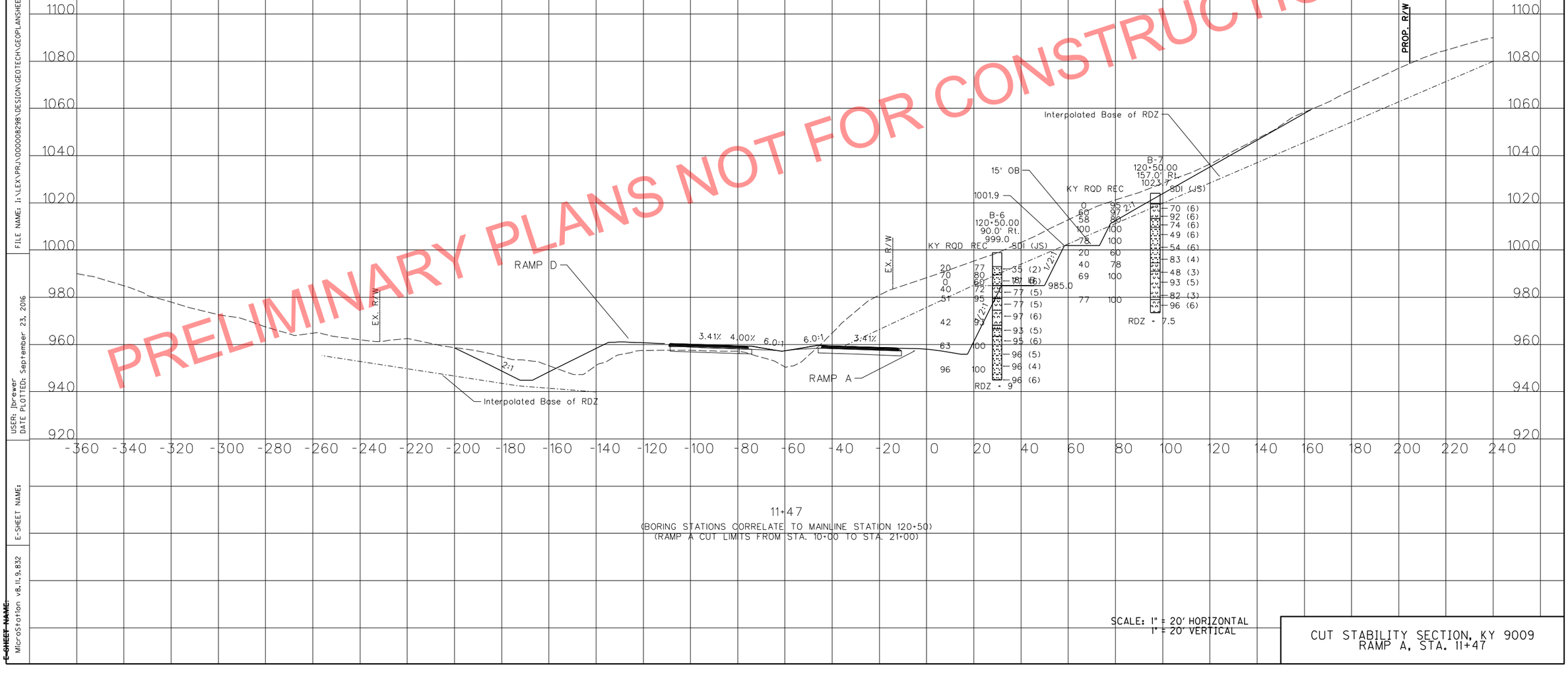
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R163 |

## CUT LIMITS FROM STA. 114+50.00 TO STA. 122+50.00
## Core Log Sta. 120+50.00 90' Rt.

| | | |
|---|---|---|
| Elev. | 999.0 - 993.0 | Overburden |
| | 993.0 - 985.0 | Sandstone: dark gray-reddish brown, planar partings, nondurable |
| | 985.0 - 979.5 | Shale: micaceous minerals, gray-dark gray, planar partings, void 985.0 - 983.6, coal 980.0 - 979.5 |
| | 979.5 - 968.2 | Shale: fine-grained with micaceous minerals, gray-dark gray, planar fractures, coal 969.1 - 968.2, weathered shale with coal 968.2 - 966.6 |
| | 968.2 - 966.6 | Shale: weathered, coal |
| | 966.6 - 959.6 | Shale: fine-grained, mica minerals, planar partings, crushed shale and coal 965.6 - 965.3 |
| | 959.6 - 956.7 | Sandstone: fine-grained, gray, mica minerals, planar partings, durable |
| | 956.7 - 945.0 | Shale: silty, fine-grained, gray, mica minerals, planar partings, coal 952.0 - 951.5, 30° angle fracture 951.0 |

## Core Log Sta. 120+50.00 157' Rt.

| | | |
|---|---|---|
| Elev. | 1023.7 - 1019.2 | Overburden |
| | 1019.2 - 1013.1 | Shale (siltstone): weathered siltstone, mica minerals, reddish brown-gray, planar partings |
| | 1013.1 - 994.2 | Sandstone: mica minerals, reddish-brown, planar partings, nondurable |
| | 994.2 - 987.5 | Shale: with coal, dark gray |
| | 987.5 - 973.2 | Shale: mica minerals, dark gray, planar fractures |




11+47
(BORING STATIONS CORRELATE TO MAINLINE STATION 120+50)
(RAMP A CUT LIMITS FROM STA. 10+00 TO STA. 21+00)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

# CUT STABILITY SECTION, KY 9009 RAMP A, STA. 11+47

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R163000GT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
E-SHEET NAME:
MicroStation v8.11.9.832

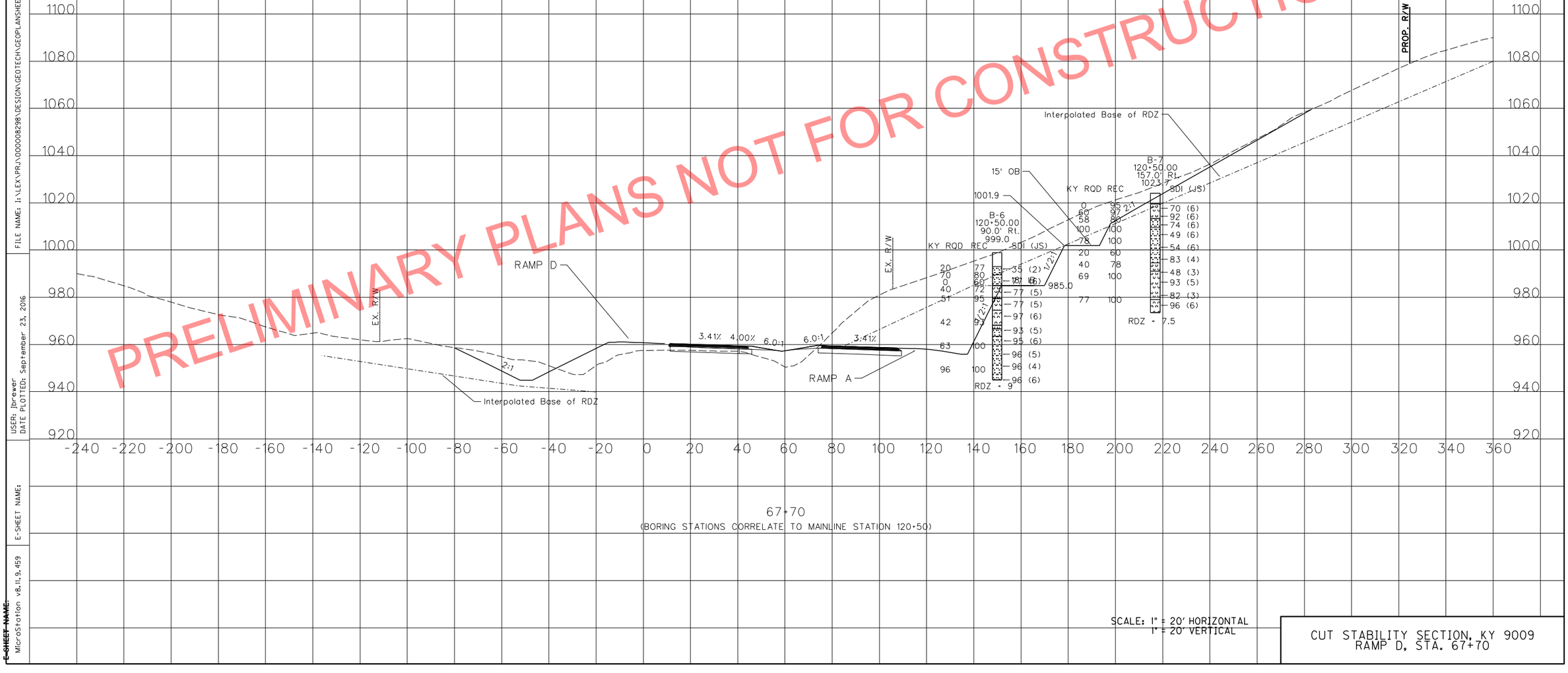
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R164 |

## CUT LIMITS FROM STA. 114+50.00 TO STA. 122+50.00
## Core Log Sta. 120+50.00 90' Rt.

| | | |
|---|---|---|
| Elev. | 999.0 - 993.0 | Overburden |
| | 993.0 - 985.0 | Sandstone: dark gray-reddish brown, planar partings, nondurable |
| | 985.0 - 979.5 | Shale: micaceous minerals, gray-dark gray, planar partings, void 985.0 - 983.6, coal 980.0 - 979.5 |
| | 979.5 - 968.2 | Shale: fine-grained with micaceous minerals, gray-dark gray, planar fractures, coal 969.1 - 968.2, weathered shale with coal 968.2 - 966.6 |
| | 968.2 - 966.6 | Shale: weathered, coal |
| | 966.6 - 959.6 | Shale: fine-grained, mica minerals, planar partings, crushed shale and coal 965.6 - 965.3 |
| | 959.6 - 956.7 | Sandstone: fine-grained, gray, mica minerals, planar partings, durable |
| | 956.7 - 945.0 | Shale: silty, fine-grained, gray, mica minerals, planar partings, coal 952.0 - 951.5, 30° angle fracture 951.0 |

## Core Log Sta. 120+50.00 157' Rt.

| | | |
|---|---|---|
| Elev. | 1023.7 - 1019.2 | Overburden |
| | 1019.2 - 1013.1 | Shale (siltstone): weathered siltstone, mica minerals, reddish brown-gray, planar partings |
| | 1013.1 - 994.2 | Sandstone: mica minerals, reddish-brown, planar partings, nondurable |
| | 994.2 - 987.5 | Shale: with coal, dark gray |
| | 987.5 - 973.2 | Shale: mica minerals, dark gray, planar fractures |




67+70
(BORING STATIONS CORRELATE TO MAINLINE STATION 120+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

# CUT STABILITY SECTION, KY 9009
# RAMP D, STA. 67+70

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R164000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
E-SHEET NAME:
MicroStation v8.11.9.459

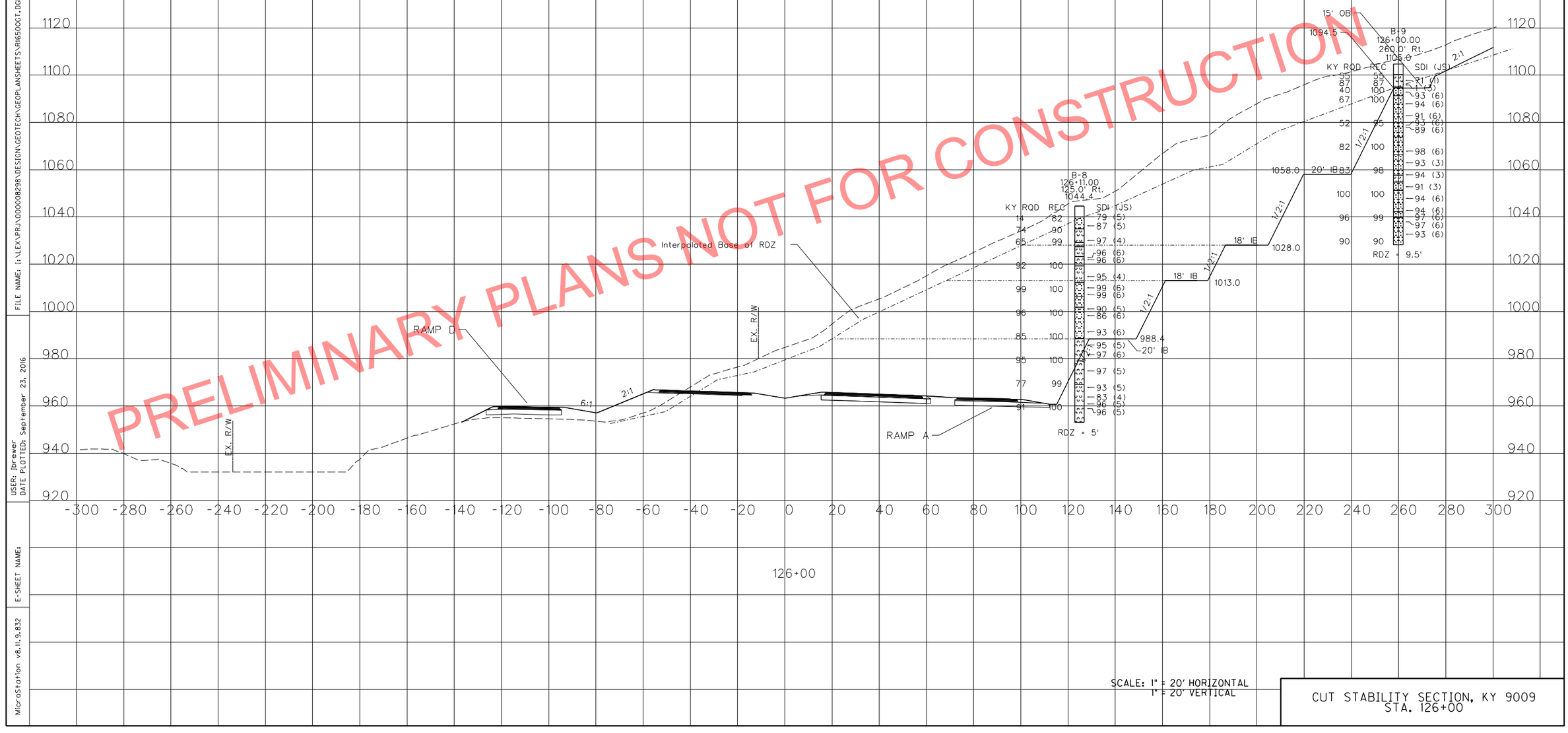
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R165 |

## CUT LIMITS FROM STA. 122+50.00 TO STA. 130+00.00
## Core Log Sta. 126+00.00 125′ Rt.

| | | |
|---|---|---|
| Elev. | 1044.4 - 1039.9 | Overburden |
| | 1039.9 - 1034.9 | Sandstone: mica minerals, reddish-brown, planar partings, nondurable |
| | 1034.9 - 1029.0 | Shale: mica minerals, gray, bentonite |
| | 1029.0 - 1027.2 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1027.2 - 1023.1 | Shale: mica minerals, dark gray, planar partings, coal lens 1024.9 - 1023.1 |
| | 1023.1 - 1019.1 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1019.1 - 1012.1 | Shale: mica minerals, gray, planar partings |
| | 1012.1 - 988.4 | Sandstone: reddish brown-gray, angle fracture with iron staining 1007.9, nondurable |
| | 988.4 - 952.9 | Shale (siltstone): gray, black carbonaceous shale 987.3-986.4, coal lenses (978.0-977.4; 966.9-965.9; 963.4-962.7), broken-up siltstone and 30° angle fracture 976.6-976.4 |

## Core Log Sta. 126+00.00 260′ Rt.

| | | |
|---|---|---|
| Elev. | 1105.0 - 1100.5 | Overburden |
| | 1100.5 - 1095.2 | Shale: weathered, clay, brown to dark gray-black, mica minerals |
| | 1095.2 - 1058.0 | Sandstone: mica minerals, gray, planar partings, nondurable |
| | 1058.0 - 1055.0 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1055.0 - 1028.5 | Sandstone: mica minerals, reddish brown-gray, planar partings, nondurable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20′ HORIZONTAL
1" = 20′ VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 126+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R165000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R166 |

## CUT LIMITS FROM STA. 122+50.00 TO STA. 130+00.00
## Core Log Sta. 126+00.00 125′ Rt.

| | | |
|---|---|---|
| Elev. | 1044.4 - 1039.9 | Overburden |
| | 1039.9 - 1034.9 | Sandstone: mica minerals, reddish-brown, planar partings, nondurable |
| | 1034.9 - 1029.0 | Shale: mica minerals, gray, bentonite |
| | 1029.0 - 1027.2 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1027.2 - 1023.1 | Shale: mica minerals, dark gray, planar partings, coal lens 1024.9 - 1023.1 |
| | 1023.1 - 1019.1 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1019.1 - 1012.1 | Shale: mica minerals, gray, planar partings |
| | 1012.1 - 988.4 | Sandstone: reddish brown-gray, angle fracture with iron staining 1007.9, nondurable |
| | 988.4 - 952.9 | Shale (siltstone): gray, black carbonaceous shale 987.3-986.4, coal lenses (978.0-977.4; 966.9-965.9; 963.4-962.7), broken-up siltstone and 30° angle fracture 976.6-976.4 |

## Core Log Sta. 126+00.00 260′ Rt.

| | | |
|---|---|---|
| Elev. | 1105.0 - 1100.5 | Overburden |
| | 1100.5 - 1095.2 | Shale: weathered, clay, brown to dark gray-black, mica minerals |
| | 1095.2 - 1058.0 | Sandstone: mica minerals, gray, planar partings, nondurable |
| | 1058.0 - 1055.0 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1055.0 - 1028.5 | Sandstone: mica minerals, reddish brown-gray, planar partings, nondurable |




16+87

(BORING STATIONS CORRELATE TO MAINLINE STATION 126+00
(RAMP A CUT LIMITS FROM STA. 10+00 TO STA. 21+00)

SCALE: 1" = 20′ HORIZONTAL
1" = 20′ VERTICAL

# CUT STABILITY SECTION, KY 9009
# RAMP A, STA. 16+87

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R166000GT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

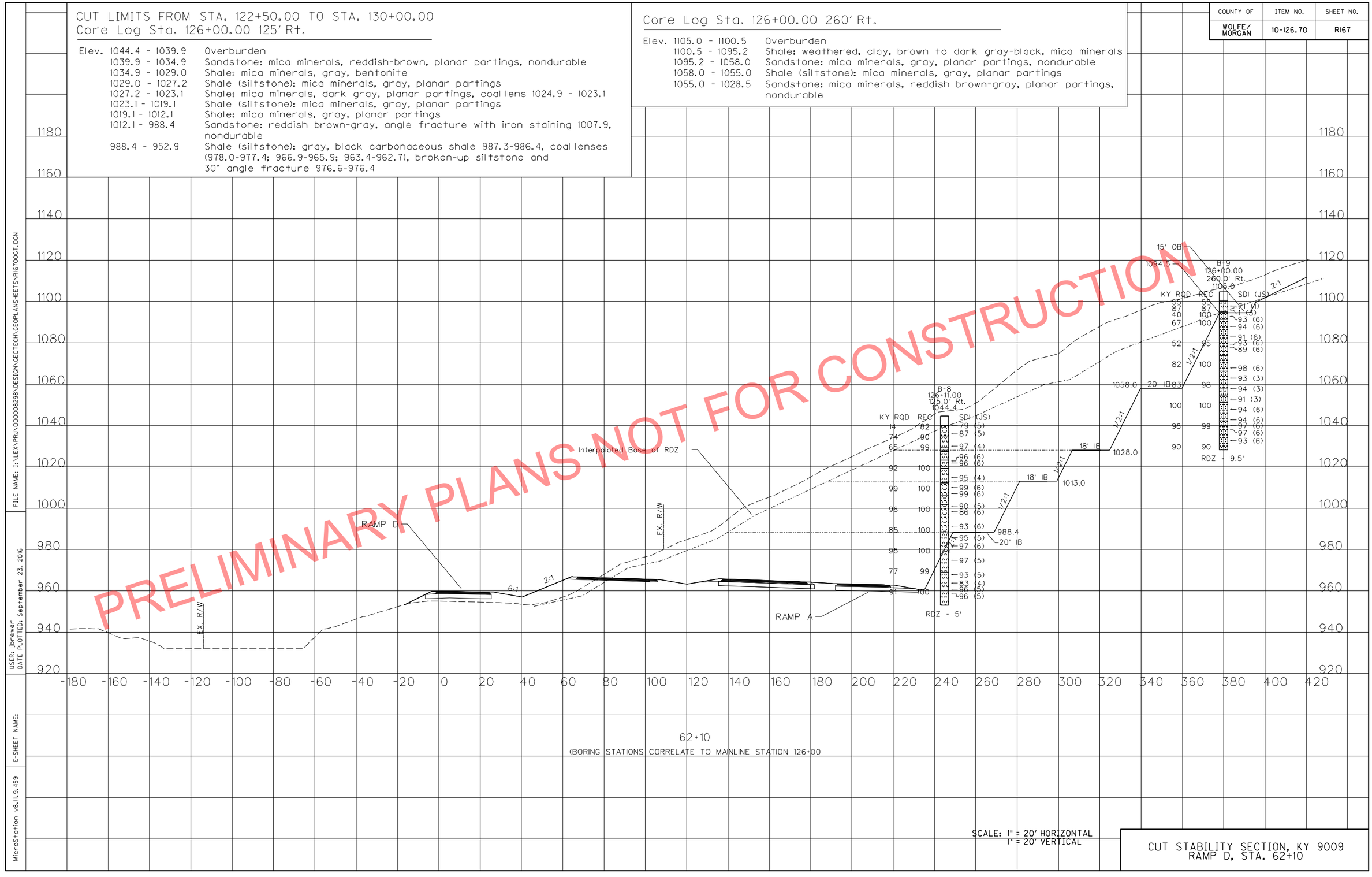
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R167 |

## CUT LIMITS FROM STA. 122+50.00 TO STA. 130+00.00
## Core Log Sta. 126+00.00 125′ Rt.

| | | |
|---|---|---|
| Elev. | 1044.4 - 1039.9 | Overburden |
| | 1039.9 - 1034.9 | Sandstone: mica minerals, reddish-brown, planar partings, nondurable |
| | 1034.9 - 1029.0 | Shale: mica minerals, gray, bentonite |
| | 1029.0 - 1027.2 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1027.2 - 1023.1 | Shale: mica minerals, dark gray, planar partings, coal lens 1024.9 - 1023.1 |
| | 1023.1 - 1019.1 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1019.1 - 1012.1 | Shale: mica minerals, gray, planar partings |
| | 1012.1 - 988.4 | Sandstone: reddish brown-gray, angle fracture with iron staining 1007.9, nondurable |
| | 988.4 - 952.9 | Shale (siltstone): gray, black carbonaceous shale 987.3-986.4, coal lenses (978.0-977.4; 966.9-965.9; 963.4-962.7), broken-up siltstone and 30° angle fracture 976.6-976.4 |

## Core Log Sta. 126+00.00 260′ Rt.

| | | |
|---|---|---|
| Elev. | 1105.0 - 1100.5 | Overburden |
| | 1100.5 - 1095.2 | Shale: weathered, clay, brown to dark gray-black, mica minerals |
| | 1095.2 - 1058.0 | Sandstone: mica minerals, gray, planar partings, nondurable |
| | 1058.0 - 1055.0 | Shale (siltstone): mica minerals, gray, planar partings |
| | 1055.0 - 1028.5 | Sandstone: mica minerals, reddish brown-gray, planar partings, nondurable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20′ HORIZONTAL
1" = 20′ VERTICAL

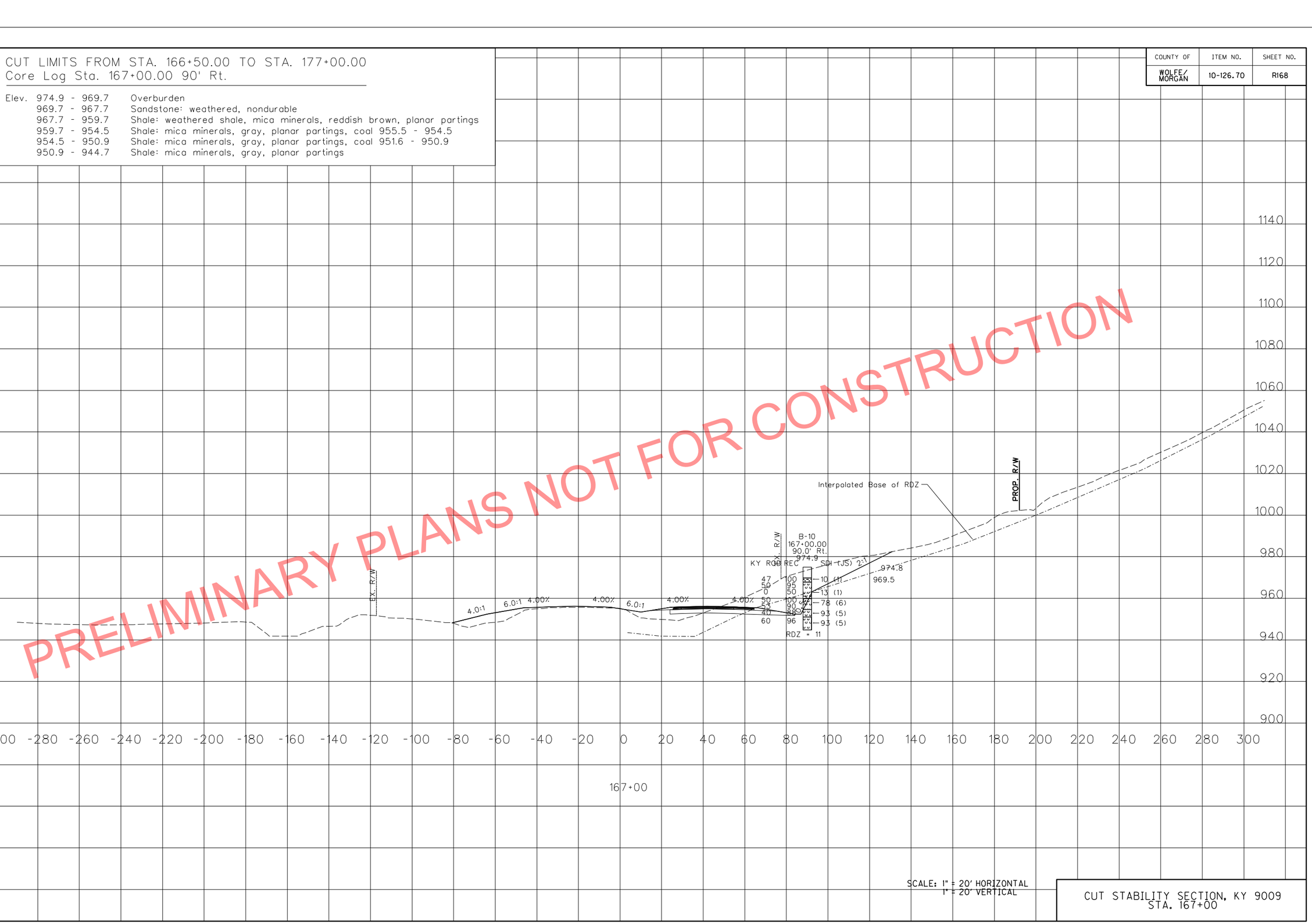
CUT STABILITY SECTION, KY 9009
RAMP D, STA. 62+10

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R167000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R168 |

CUT LIMITS FROM STA. 166+50.00 TO STA. 177+00.00
Core Log Sta. 167+00.00 90' Rt.

| | | |
|---|---|---|
| Elev. | 974.9 - 969.7 | Overburden |
| | 969.7 - 967.7 | Sandstone: weathered, nondurable |
| | 967.7 - 959.7 | Shale: weathered shale, mica minerals, reddish brown, planar partings |
| | 959.7 - 954.5 | Shale: mica minerals, gray, planar partings, coal 955.5 - 954.5 |
| | 954.5 - 950.9 | Shale: mica minerals, gray, planar partings, coal 951.6 - 950.9 |
| | 950.9 - 944.7 | Shale: mica minerals, gray, planar partings |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 167+00

SHEET LOCATION:
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R16800GT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

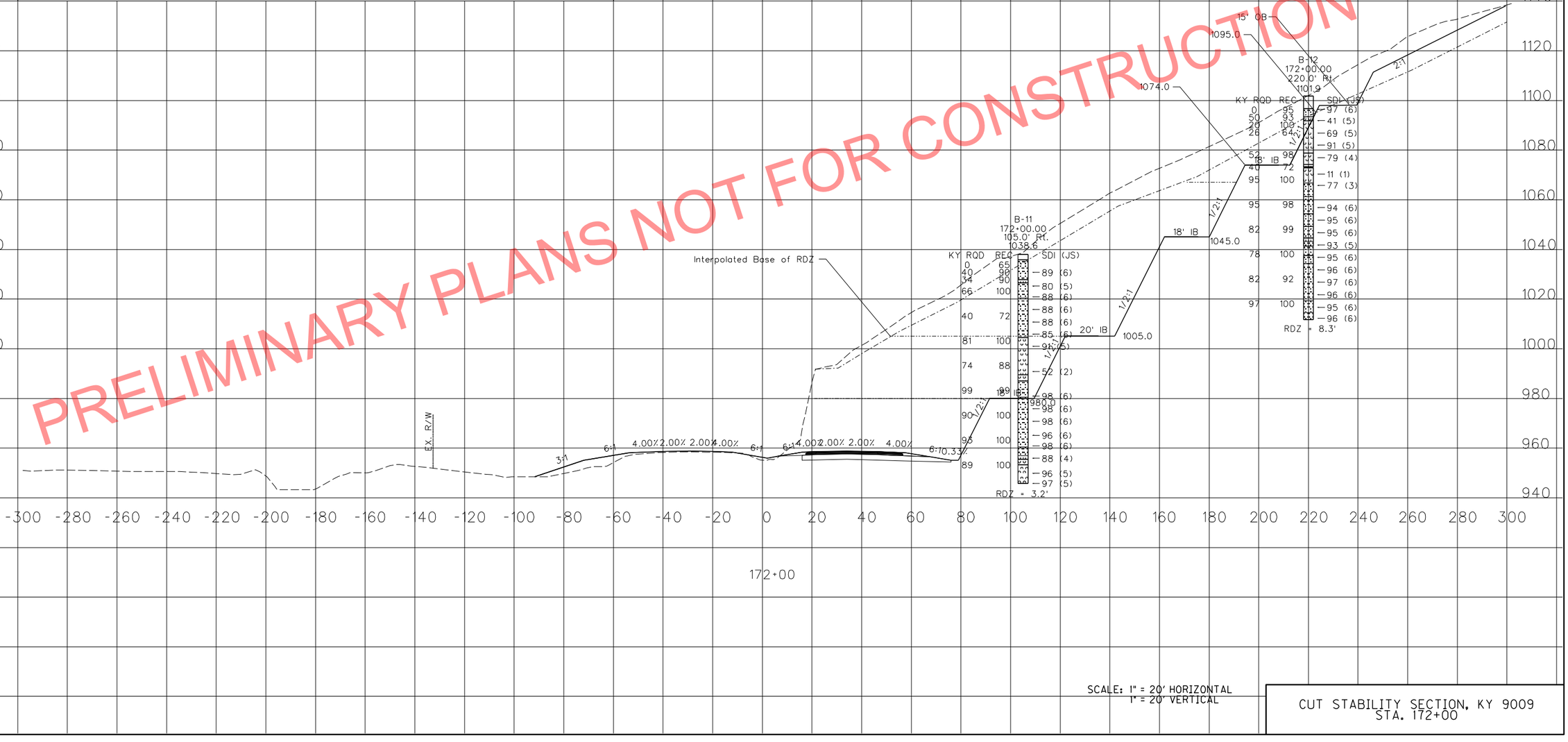
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R169 |

## CUT LIMITS FROM STA. 166+50.00 TO STA. 177+00.00
## Core Log Sta. 172+00.00 105' Rt.

| | | |
|---|---|---|
| Elev. | 1038.6 - 1036.4 | Overburden |
| | 1036.4 - 1028.5 | Sandstone: micaceous minerals, reddish brown-gray, planar partings, nondurable |
| | 1028.5 - 1027.2 | Shale: micaceous minerals, gray, planar partings |
| | 1027.2 - 1005.0 | Sandstone: mica minerals, reddish brown-gray, vertical fracture 1021.1-1019.7, carbonaceous shale 1005.1-1004.6, nondurable |
| | 1005.0 - 990.2 | Shale: micaceous minerals, dark gray-light gray, small vug and mechanical break 994.8-994.4, broken up zone 992.9-991.6, coal 990.9-990.2, carbonaceous shale 1005.1-1004.6 |
| | 990.2 - 987.5 | Shale: micaceous minerals, gray, clayey |
| | 987.5 - 957.6 | Sandstone: vertical fracture with iron staining 987.3-986.3, coal 957.7-956.8, durable |
| | 957.6 - 956.1 | Shale: micaceous minerals, gray, planar partings |
| | 956.1 - 953.9 | Shale (siltstone): mica minerals, gray, planar partings |
| | 953.9 - 946.4 | Shale: mica minerals, gray, planar partings, coal 947.8-947.1, fossils and slightly micaceous 947.1-946.4, angle fractures (10° and 15°) 947.1 and 947.0 |

## Core Log Sta. 172+00.00 220' Rt.

| | | |
|---|---|---|
| Elev. | 1101.9 - 1096.8 | Overburden |
| | 1096.8 - 1093.6 | Sandstone: weathered, mica minerals, reddish brown, planar partings, durable |
| | 1093.6 - 1091.8 | Shale: slightly micaceous minerals, reddish brown |
| | 1091.8 - 1078.8 | Shale: brown, vertical fracture 1091.8-1090.4 |
| | 1078.8 - 1074.4 | Shale (siltstone): weathered, brown, planar partings, broken up zone 1076.4-1075.4 |
| | 1074.4 - 1073.4 | Shale: fossils, gray |
| | 1073.4 - 1073.0 | Coal |
| | 1073.0 - 1066.9 | Shale (siltstone): gray, vertical fracture 1072.2, coal 1071.8-1071.3 |
| | 1066.9 - 1044.7 | Sandstone: micaceous minerals, gray-reddish brown, planar partings, angle fracture (70°) with iron staining 1048.7-1048.2, heavy iron staining 1048.8-1047.7, durable |
| | 1044.7 - 1043.3 | Shale: micaceous minerals, gray, planar partings |
| | 1043.3 - 1041.5 | Sandstone: reddish brown-gray, durable |
| | 1041.5 - 1037.6 | Sandstone: weathered, with coal spars, reddish brown, durable |
| | 1037.6 - 1011.8 | Sandstone: reddish brown-gray, very weathered and brownish-red 1035.9-1035.4, broken up rock zone 1032.9-1032.1, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

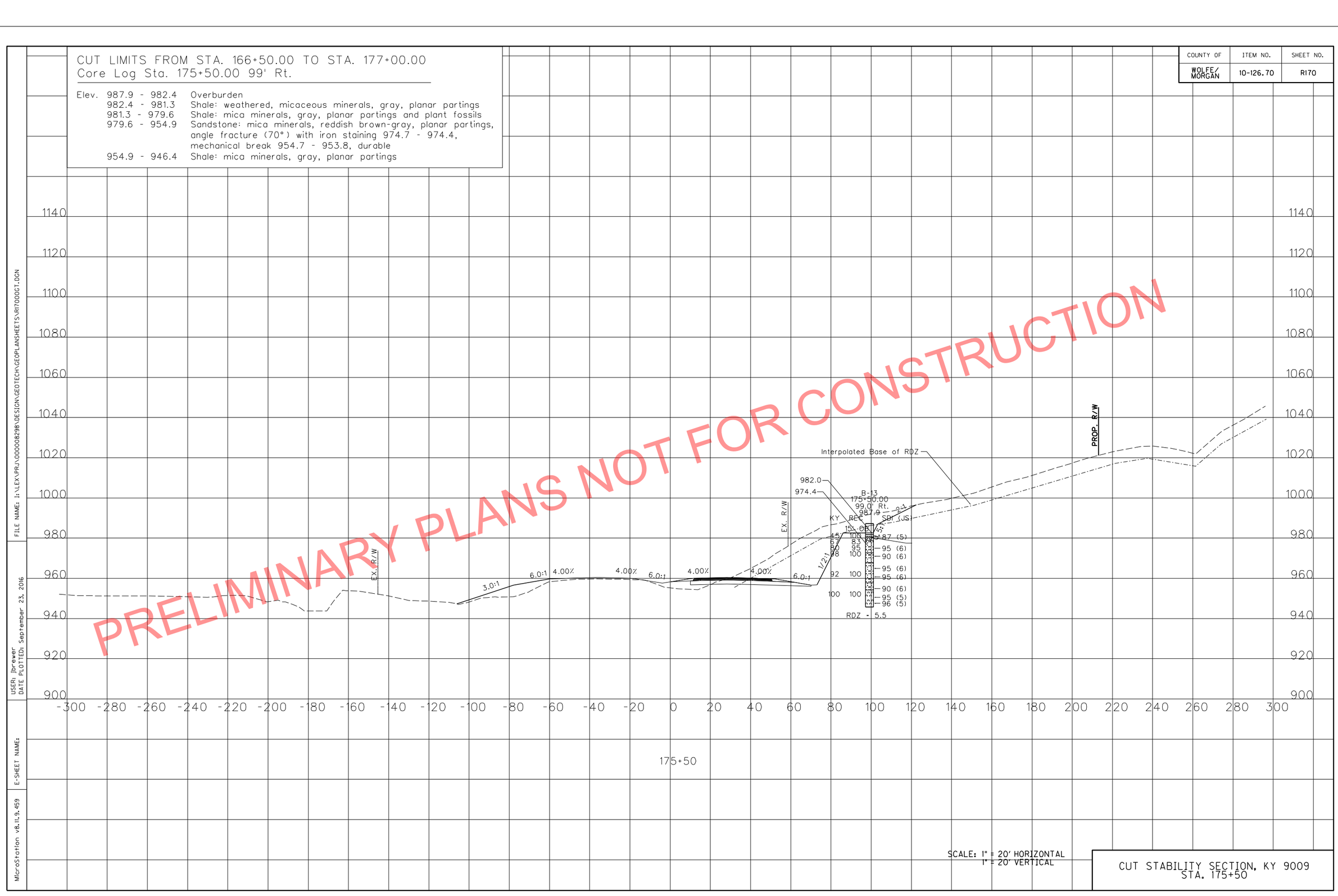
CUT STABILITY SECTION, KY 9009
STA. 172+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R169000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R170 |

CUT LIMITS FROM STA. 166+50.00 TO STA. 177+00.00
Core Log Sta. 175+50.00 99' Rt.

| Elev. | | |
|---|---|---|
| 987.9 | - 982.4 | Overburden |
| 982.4 | - 981.3 | Shale: weathered, micaceous minerals, gray, planar partings |
| 981.3 | - 979.6 | Shale: mica minerals, gray, planar partings and plant fossils |
| 979.6 | - 954.9 | Sandstone: mica minerals, reddish brown-gray, planar partings, angle fracture (70°) with iron staining 974.7 - 974.4, mechanical break 954.7 - 953.8, durable |
| 954.9 | - 946.4 | Shale: mica minerals, gray, planar partings |




SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 175+50

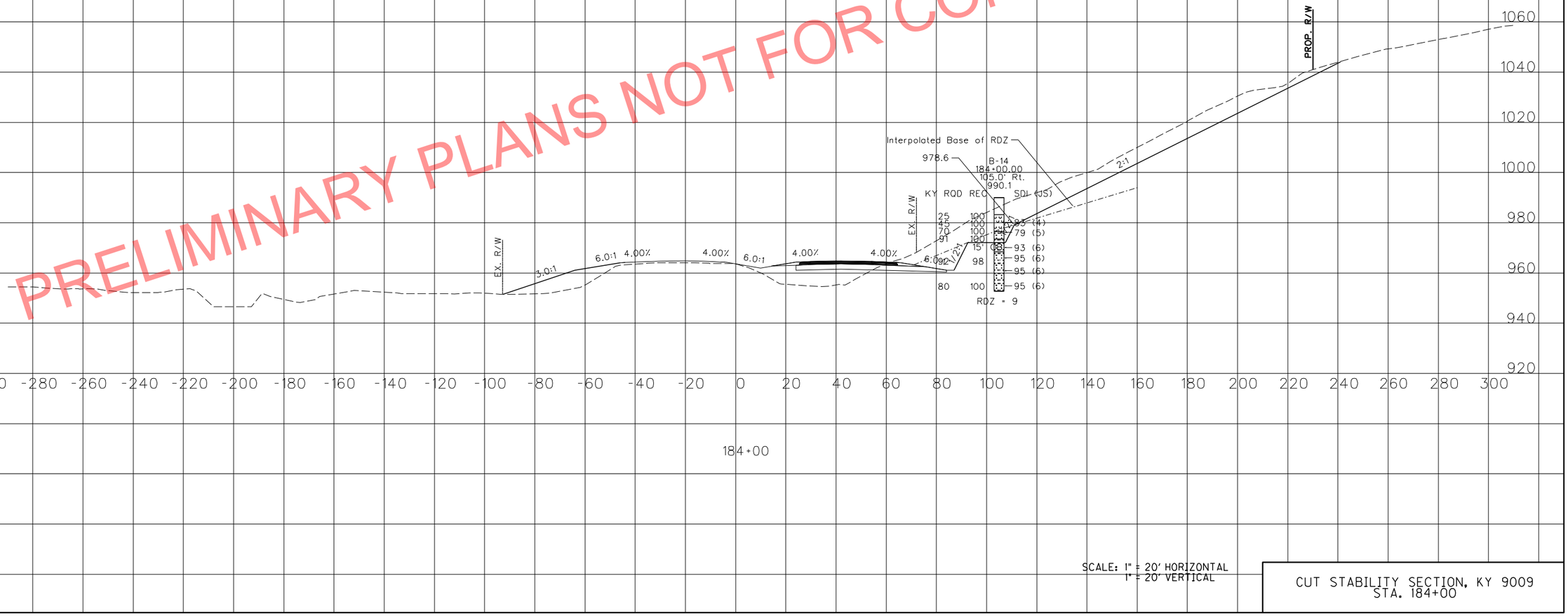
PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: i:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R170000GT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R171 |

CUT LIMITS FROM STA. 181+00.00 TO STA. 195+00.00
Core Log Sta. 184+00.00 105' Rt.

| | | |
|---|---|---|
| Elev. | 990.1 - 983.3 | Overburden |
| | 983.3 - 976.6 | Shale (siltstone): weathered, mica minerals, light brown-gray, planar partings |
| | 976.6 - 952.8 | Sandstone: mica minerals, gray with reddish brown intervals, planar partings, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 184+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R171006T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R172 |

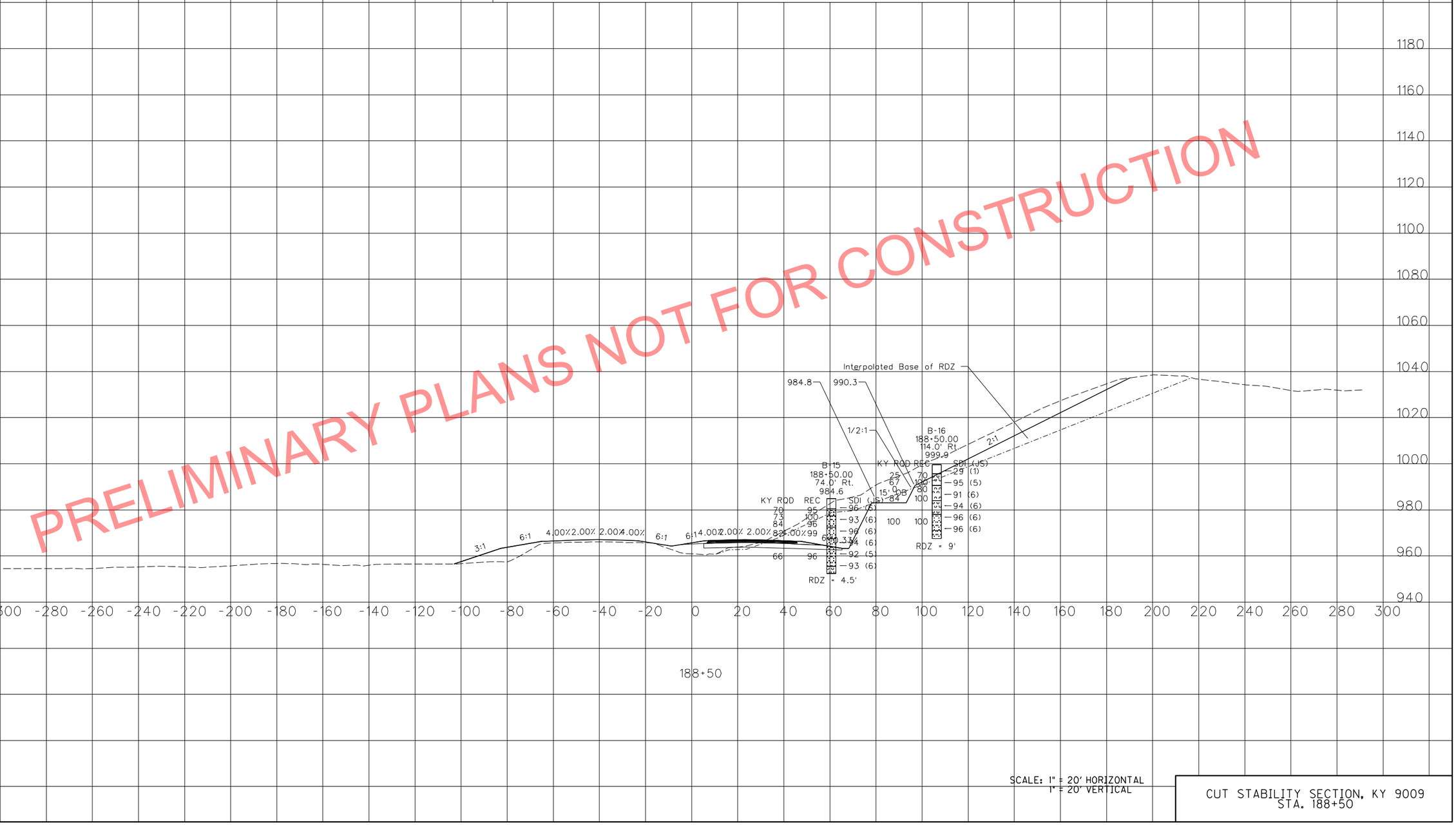
CUT LIMITS FROM STA. 181+00.00 TO STA. 195+00.00

Core Log Sta. 188+50.00 74' Rt.

| | | |
|---|---|---|
| Elev. 984.6 - 980.2 | | Overburden |
| 980.2 - 955.3 | | Sandstone: mica minerals, gray-reddish brown, planar partings, coal spar 960.4-960.3, coal 955.7-955.2, durable |
| 955.3 - 952.2 | | Shale: mica minerals, light to dark gray, planar partings and fossils |

Core Log Sta. 188+50.00 114' Rt.

| | | |
|---|---|---|
| Elev. 999.9 - 995.9 | | Overburden |
| 995.9 - 990.9 | | Shale: weathered shale, trace mica, gray-brown, clayey |
| 990.9 - 984.4 | | Shale: mica, dark gray, fine-grained with planar partings, broken up coal lens 988.2-987.3, broken up shale 985.2-984.9 |
| 984.4 - 978.3 | | Shale: sandy, with mica, gray |
| 978.3 - 967.9 | | Sandstone: with silt and mica, light gray, clay seam 978.0-977.8, iron staining 973.6-973.0, high angle fracture (55°) 969.0, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 188+50

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R172000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R173 |

CUT LIMITS FROM STA. 196+50.00 TO STA. 214+50.00
Core Log Sta. 200+00.00 110' Rt.

| | | |
|---|---|---|
| Elev. | 993.0 - 989.0 | Overburden |
| | 989.0 - 988.1 | Shale: weathered, mica minerals, gray-dark gray, planar partings |
| | 988.1 - 985.0 | Shale: mica minerals, dark gray, planar partings, broken up coal 986.2 - 985.0 |
| | 985.0 - 981.3 | Shale: mica minerals, dark gray, silty with bentonite |
| | 981.3 - 951.0 | Sandstone: mica minerals, gray, planar partings, coal lens 957.8 - 957.7, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 200+00

MicroStation v8.11.9.459
E-SHEET NAME:
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000082980\DESIGN\GEOTECH\GEOPLANSHEETS\R173000T.DGN

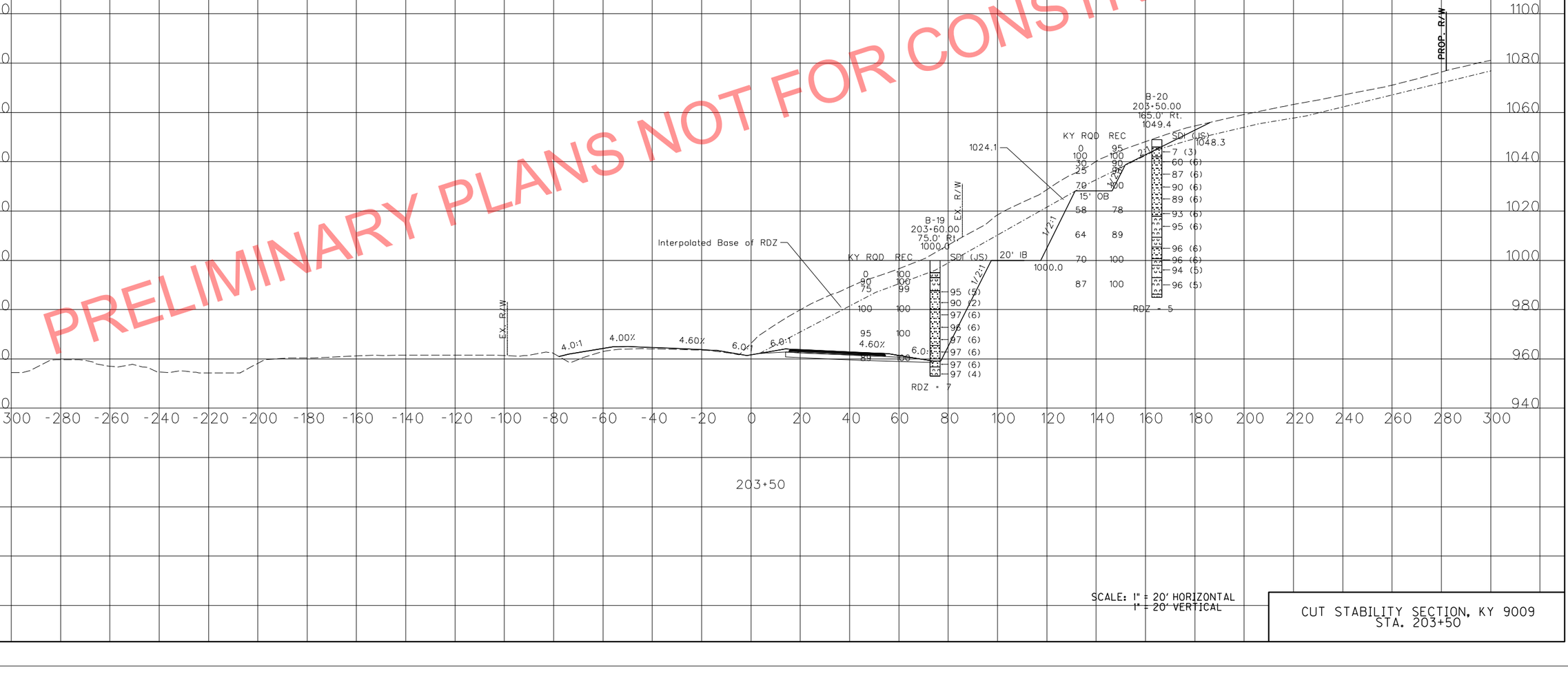
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R174 |

CUT LIMITS FROM STA. 196+50.00 TO STA. 214+50.00
Core Log Sta. 203+60.00 75' Rt.

| | | |
|---|---|---|
| Elev. | 1000.0 - 995.0 | Overburden |
| | 995.0 - 993.0 | Shale (siltstone): weathered, reddish-brown, coal 994.0 - 993.0 |
| | 993.0 - 987.7 | Shale: mica minerals, gray, planar partings |
| | 987.7 - 956.7 | Sandstone: mica minerals, gray, planar partings, vertical fracture 985.7 - 985.3, durable |
| | 956.7 - 953.0 | Shale: silty, micaceous minerals, dark gray-light gray, planar partings |

Core Log Sta. 203+50.00 165' Rt.

| | | |
|---|---|---|
| Elev. | 1049.4 - 1046.4 | Overburden |
| | 1046.4 - 1018.2 | Sandstone: mica minerals, light brown-reddish brown, iron staining, broken zones, planar partings and angle fractures (30°) 1028.4-1027.8, nondurable |
| | 1018.2 - 1009.8 | Shale (siltstone): mica minerals, gray, planar partings, weathered zone with iron staining 1010.6 - 1008.8 |
| | 1009.8 - 1005.9 | Shale: mica minerals, dark gray-gray, planar partings, vertical fracture 1009.8 - 1009.0, coal 1000.6 - 1000.3 |
| | 1005.9 - 1001.0 | Sandstone: fine-grained, gray, durable |
| | 1001.0 - 986.7 | Shale: mica minerals, dark gray-gray, planar partings, coal 995.2 - 993.6 |
| | 986.7 - 985.4 | Shale (siltstone): mica minerals, gray, planar partings |




SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 203+50

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\RI74000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

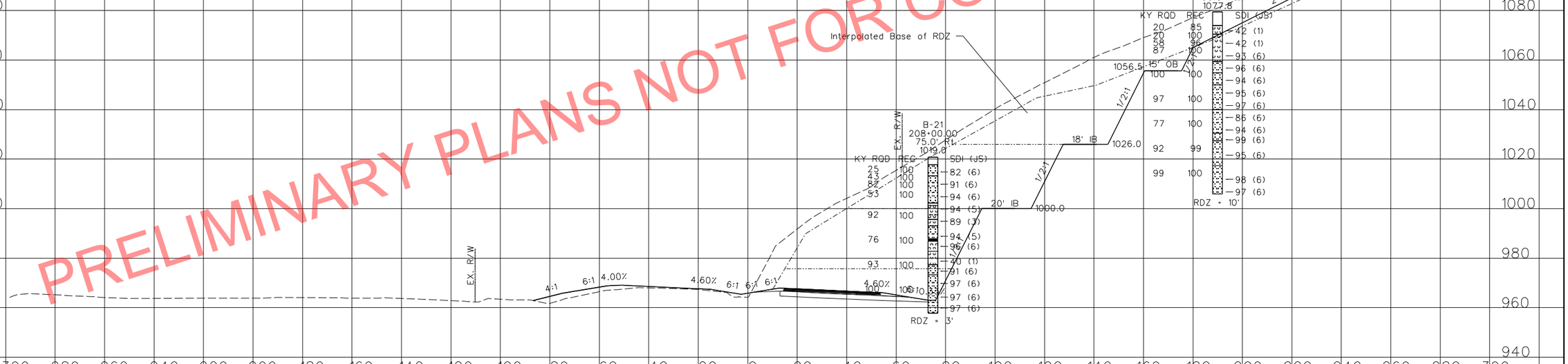
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R175 |

## CUT LIMITS FROM STA. 196+50.00 TO STA. 214+50.00
## Core Log Sta. 208+00.00 75' Rt.

| | | |
|---|---|---|
| Elev. | 1019.0 - 1016.0 | Overburden |
| | 1016.0 - 1000.5 | Sandstone: weathered, mica minerals, reddish brown-gray, planar partings, vertical fractures 1011.8-1011.5 and 1008.3-1007.6, broken up and weathered 1005.9-1005.3, thin coal lens 1000.7, nondurable |
| | 1000.5 - 999.4 | Shale: carbonaceous shale, dark gray-black |
| | 999.4 - 993.8 | Shale: graded to sandstone, broken up rock 998.9-998.4 |
| | 993.8 - 991.3 | Shale: silty, mica minerals, light gray-dark gray, planar partings |
| | 991.3 - 986.0 | Sandstone: gray, nondurable |
| | 986.0 - 985.1 | Coal |
| | 985.1 - 975.6 | Shale: silty clay, mica minerals, gray, planar partings |
| | 975.6 - 956.0 | Sandstone: mica minerals, gray, planar partings, durable |

## Core Log Sta. 208+00.00 190' Rt.

| | | |
|---|---|---|
| Elev. | 1077.8 - 1072.3 | Overburden |
| | 1072.3 - 1068.8 | Shale: weathered, slightly sandy/silty, brown, planar partings |
| | 1068.8 - 1057.8 | Shale: micaceous minerals, gray, coal seam 1068.3-1067.8, iron staining and planar partings 1066.0-1064.5 |
| | 1057.8 - 1025.8 | Sandstone: micaceous minerals, gray, durable |
| | 1025.8 - 1004.3 | Sandstone: micaceous minerals, gray, coal spurs, conglomerates 1025.8-1021.2, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

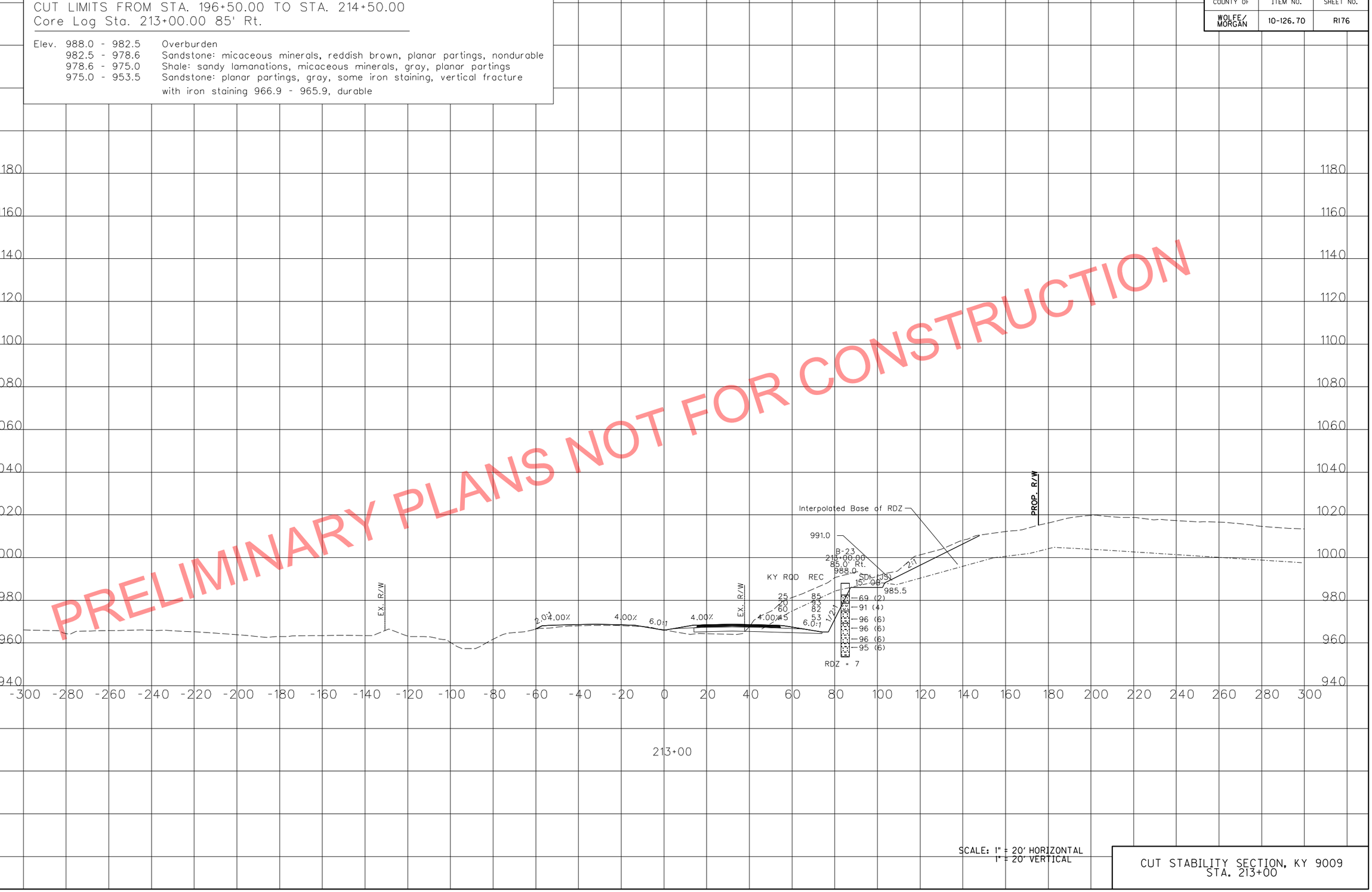
CUT STABILITY SECTION, KY 9009
STA. 208+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\RI75000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R176 |

CUT LIMITS FROM STA. 196+50.00 TO STA. 214+50.00
Core Log Sta. 213+00.00 85' Rt.

| | | |
|---|---|---|
| Elev. | 988.0 - 982.5 | Overburden |
| | 982.5 - 978.6 | Sandstone: micaceous minerals, reddish brown, planar partings, nondurable |
| | 978.6 - 975.0 | Shale: sandy lamanations, micaceous minerals, gray, planar partings |
| | 975.0 - 953.5 | Sandstone: planar partings, gray, some iron staining, vertical fracture with iron staining 966.9 - 965.9, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

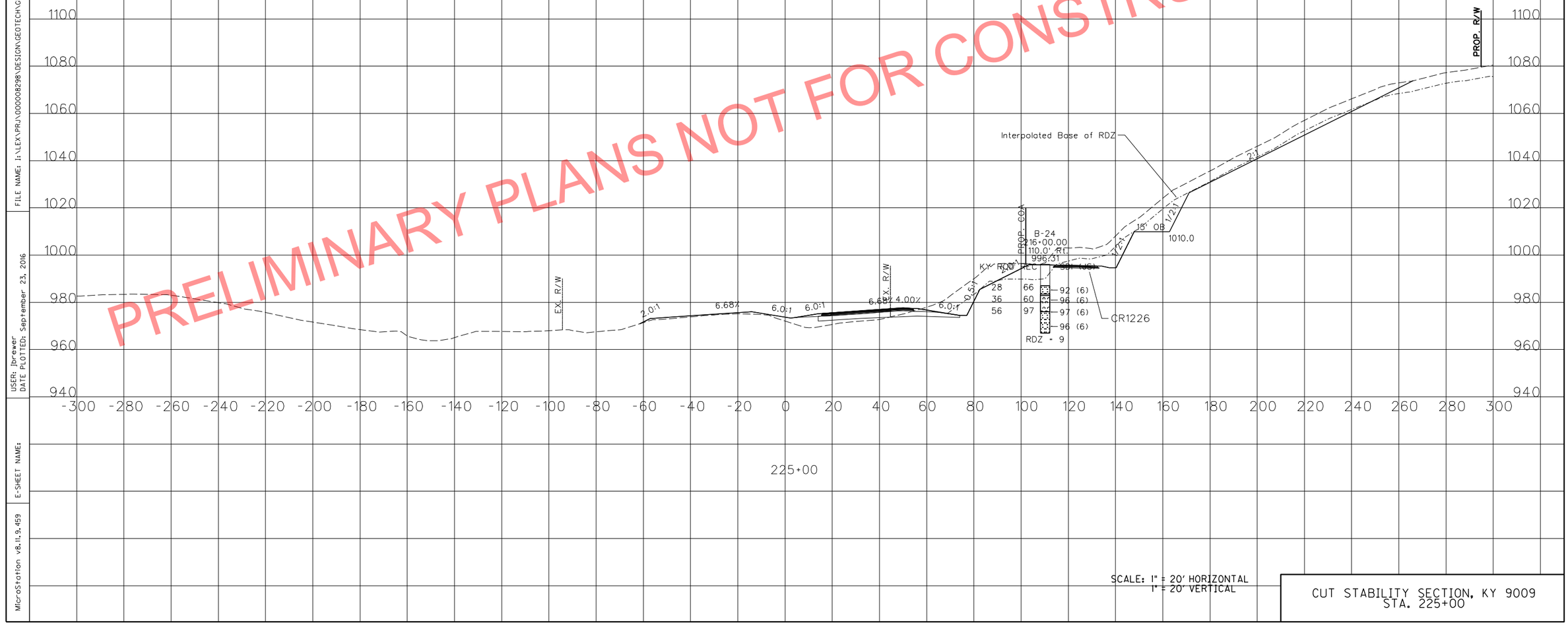
CUT STABILITY SECTION, KY 9009
STA. 213+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\RI76000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R177 |

CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
Core Log Sta. 216+00.00 110' Rt.

| | | |
|---|---|---|
| Elev. | 996.3 - 987.3 | Overburden |
| | 987.3 - 983.3 | Sandstone: planar partings, reddish brown, nondurable |
| | 983.3 - 976.3 | Shale (siltstone): sandy laminations, light gray |
| | 976.3 - 967.3 | Sandstone: mica minerals, gray, planar partings, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 225+00

SHEET LOCATION:
FILE NAME: I:\LEX\PRJ\0000082980\DESIGN\GEOTECH\GEOPLANSHEETS\R177000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R178 |

CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
Core Log Sta. 216+00.00 110' Rt.

| | | |
|---|---|---|
| Elev. | 996.3 - 987.3 | Overburden |
| | 987.3 - 983.3 | Sandstone: planar partings, reddish brown, nondurable |
| | 983.3 - 976.3 | Shale (siltstone): sandy laminations, light gray |
| | 976.3 - 967.3 | Sandstone: mica minerals, gray, planar partings, durable |




26+00
(BORING STATIONS CORRELATE TO MAINLINE STATION 225+00)
(CR1226 CUT LIMITS STA. 26+00 TO STA. 49+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
CR1226, STA. 26+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SHEET LOCATION:

FILE NAME: I:\LEX\PRJ\0000082980\DESIGN\GEOTECH\GEOPLANSHEETS\RI78000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

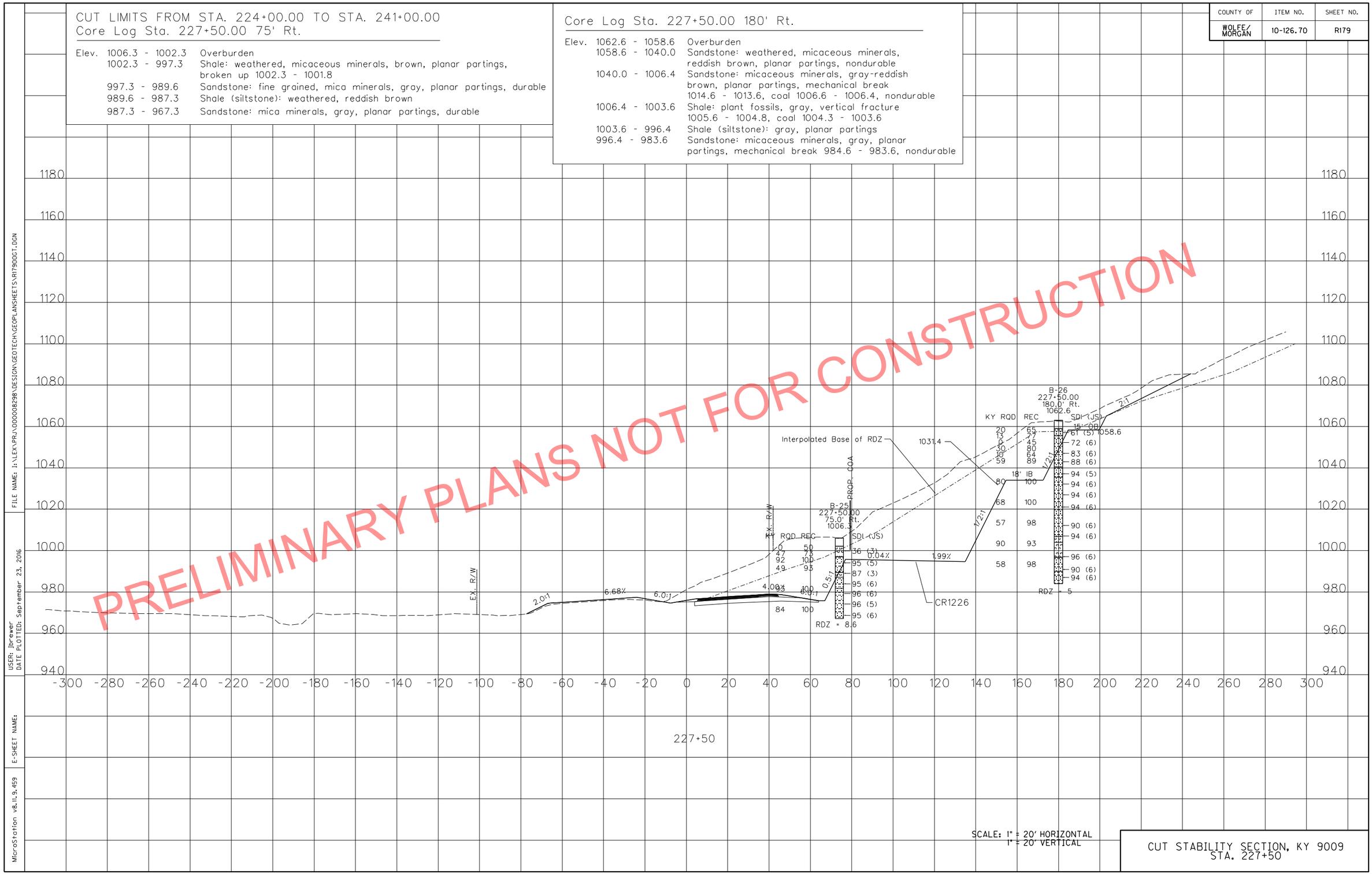
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R179 |

## CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
## Core Log Sta. 227+50.00 75' Rt.

| | | |
|---|---|---|
| Elev. | 1006.3 - 1002.3 | Overburden |
| | 1002.3 - 997.3 | Shale: weathered, micaceous minerals, brown, planar partings, broken up 1002.3 - 1001.8 |
| | 997.3 - 989.6 | Sandstone: fine grained, mica minerals, gray, planar partings, durable |
| | 989.6 - 987.3 | Shale (siltstone): weathered, reddish brown |
| | 987.3 - 967.3 | Sandstone: mica minerals, gray, planar partings, durable |

## Core Log Sta. 227+50.00 180' Rt.

| | | |
|---|---|---|
| Elev. | 1062.6 - 1058.6 | Overburden |
| | 1058.6 - 1040.0 | Sandstone: weathered, micaceous minerals, reddish brown, planar partings, nondurable |
| | 1040.0 - 1006.4 | Sandstone: micaceous minerals, gray-reddish brown, planar partings, mechanical break 1014.6 - 1013.6, coal 1006.6 - 1006.4, nondurable |
| | 1006.4 - 1003.6 | Shale: plant fossils, gray, vertical fracture 1005.6 - 1004.8, coal 1004.3 - 1003.6 |
| | 1003.6 - 996.4 | Shale (siltstone): gray, planar partings |
| | 996.4 - 983.6 | Sandstone: micaceous minerals, gray, planar partings, mechanical break 984.6 - 983.6, nondurable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 227+50

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R179000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

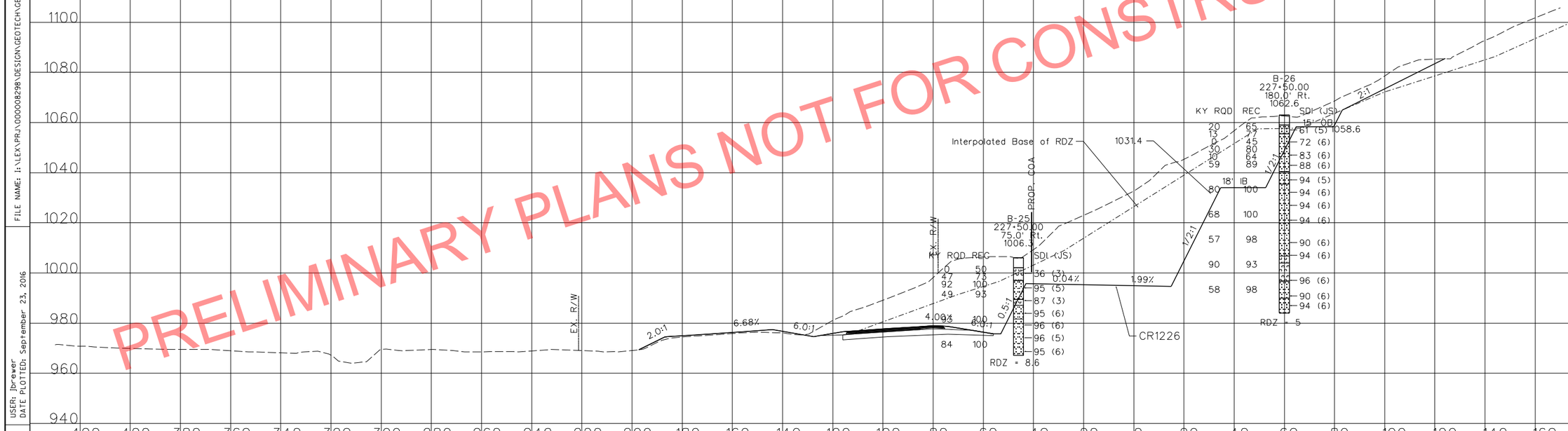
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R180 |

CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
Core Log Sta. 227+50.00 75' Rt.

| | | |
|---|---|---|
| Elev. | 1006.3 - 1002.3 | Overburden |
| | 1002.3 - 997.3 | Shale: weathered, micaceous minerals, brown, planar partings, broken up 1002.3 - 1001.8 |
| | 997.3 - 989.6 | Sandstone: fine grained, mica minerals, gray, planar partings, durable |
| | 989.6 - 987.3 | Shale (siltstone): weathered, reddish brown |
| | 987.3 - 967.3 | Sandstone: mica minerals, gray, planar partings, durable |

Core Log Sta. 227+50.00 180' Rt.

| | | |
|---|---|---|
| Elev. | 1062.6 - 1058.6 | Overburden |
| | 1058.6 - 1040.0 | Sandstone: weathered, micaceous minerals, reddish brown, planar partings, nondurable |
| | 1040.0 - 1006.4 | Sandstone: micaceous minerals, gray-reddish brown, planar partings, mechanical break 1014.6 - 1013.6, coal 1006.6 - 1006.4, nondurable |
| | 1006.4 - 1003.6 | Shale: plant fossils, gray, vertical fracture 1005.6 - 1004.8, coal 1004.3 - 1003.6 |
| | 1003.6 - 996.4 | Shale (siltstone): gray, planar partings |
| | 996.4 - 983.6 | Sandstone: micaceous minerals, gray, planar partings, mechanical break 984.6 - 983.6, nondurable |




28+50
(BORING STATIONS CORRELATE TO MAINLINE STATION 227+50)
(CR1226 CUT LIMITS STA. 26+00 TO STA. 49+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, CR1226
STA. 28+50

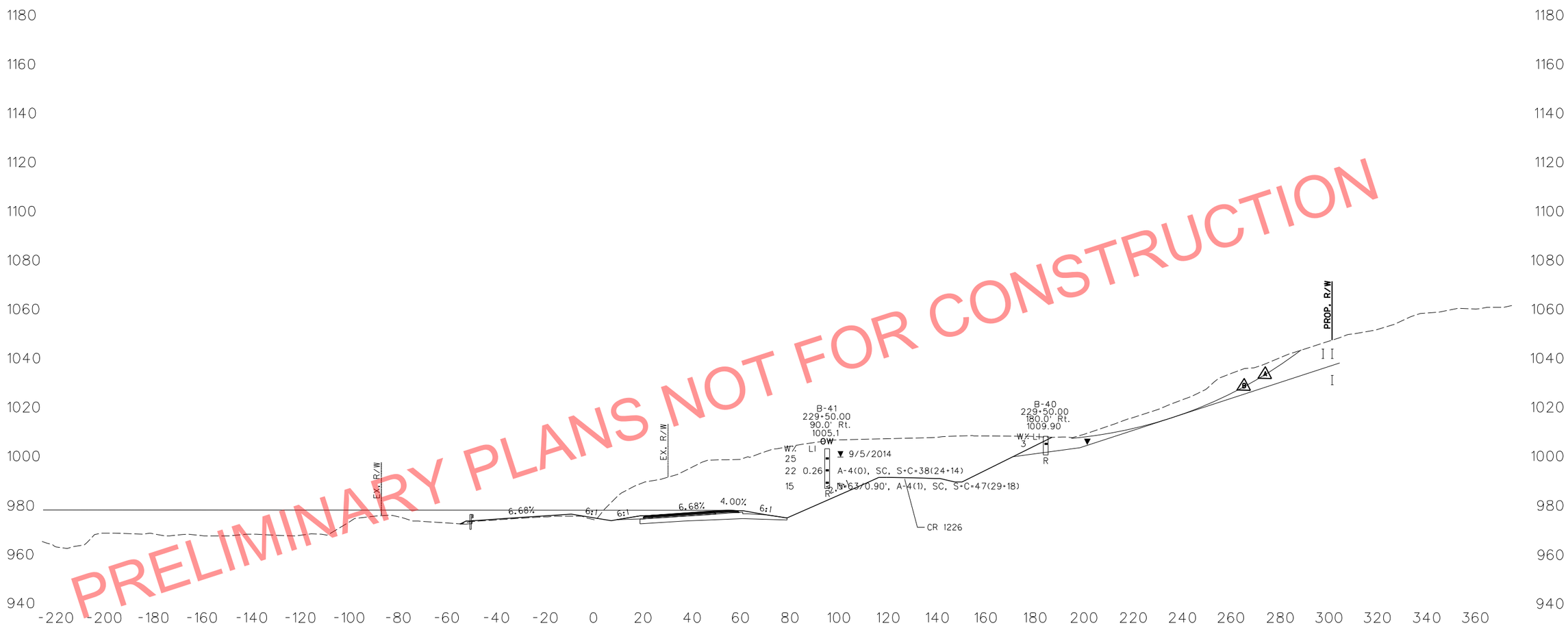
PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R180000GT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R181 |

CUT LIMITS FROM STA. 229+00.00 TO STA. 230+00.00
Core Log Sta. 229+50.00 90' Rt.

Elev. 997.1 - 995.1 A-4(0), SC, S+C=38(24+14)
990.1 - 988.7 N=63/0.90', A-4(1), SC, S+C=47(29+18)




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| ASSUMED SOIL STRENGTH PARAMETERS | | |
|---|---|---|
| SOIL | I | II |
| INTERMEDIATE TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 0<br>$\phi$ = 32 |
| LONG TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 0<br>$\phi$ = 32 |

| FACTORS OF SAFETY | | |
|---|---|---|
| INTERMEDIATE TERM | A | 1.84 |
| LONG TERM | B | 1.99 |

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 229+50

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R181OOGT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

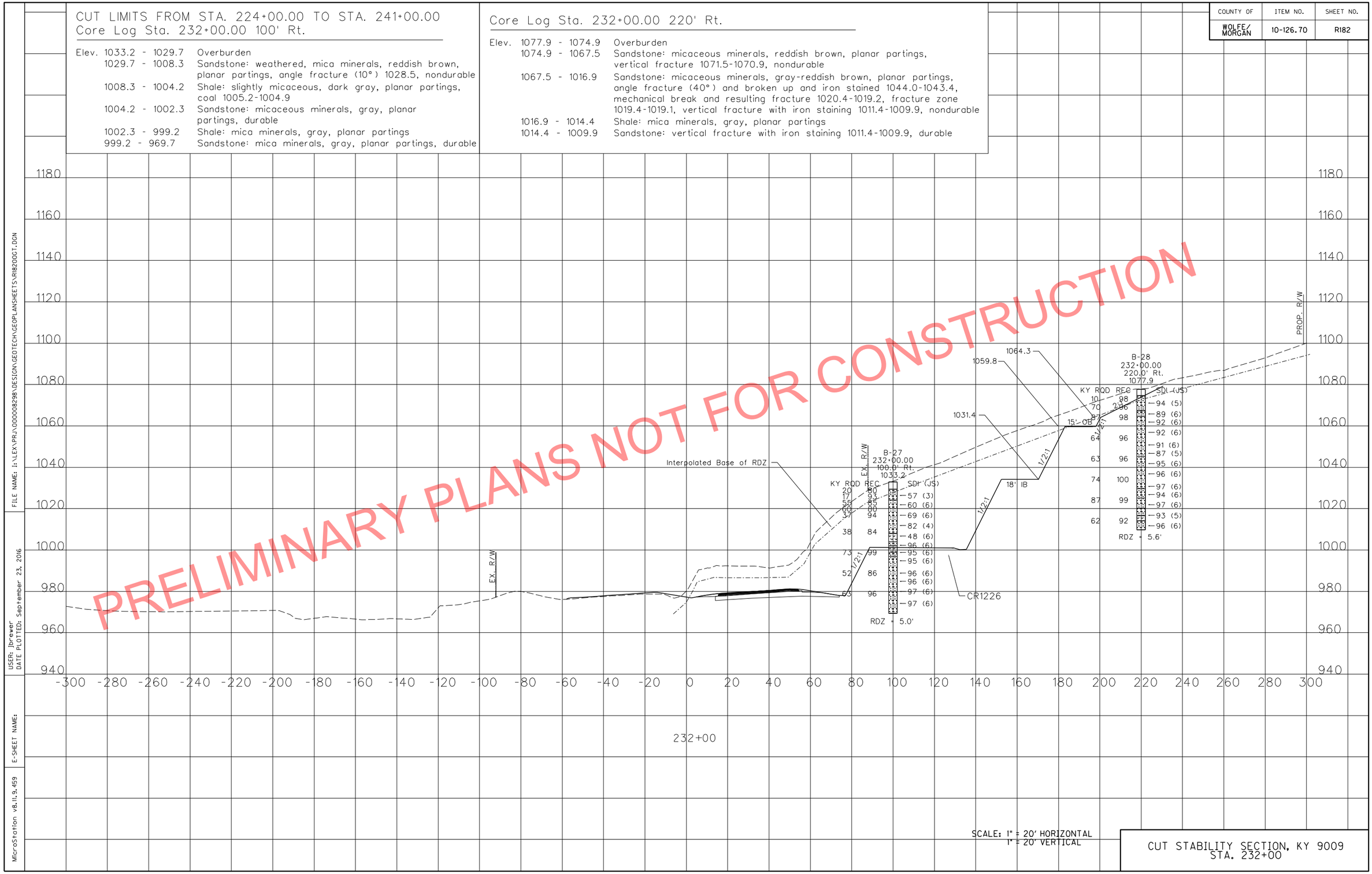
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R182 |

## CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
## Core Log Sta. 232+00.00 100' Rt.

| | | |
|---|---|---|
| Elev. | 1033.2 - 1029.7 | Overburden |
| | 1029.7 - 1008.3 | Sandstone: weathered, mica minerals, reddish brown, planar partings, angle fracture (10°) 1028.5, nondurable |
| | 1008.3 - 1004.2 | Shale: slightly micaceous, dark gray, planar partings, coal 1005.2-1004.9 |
| | 1004.2 - 1002.3 | Sandstone: micaceous minerals, gray, planar partings, durable |
| | 1002.3 - 999.2 | Shale: mica minerals, gray, planar partings |
| | 999.2 - 969.7 | Sandstone: mica minerals, gray, planar partings, durable |

## Core Log Sta. 232+00.00 220' Rt.

| | | |
|---|---|---|
| Elev. | 1077.9 - 1074.9 | Overburden |
| | 1074.9 - 1067.5 | Sandstone: micaceous minerals, reddish brown, planar partings, vertical fracture 1071.5-1070.9, nondurable |
| | 1067.5 - 1016.9 | Sandstone: micaceous minerals, gray-reddish brown, planar partings, angle fracture (40°) and broken up and iron stained 1044.0-1043.4, mechanical break and resulting fracture 1020.4-1019.2, fracture zone 1019.4-1019.1, vertical fracture with iron staining 1011.4-1009.9, nondurable |
| | 1016.9 - 1014.4 | Shale: mica minerals, gray, planar partings |
| | 1014.4 - 1009.9 | Sandstone: vertical fracture with iron staining 1011.4-1009.9, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 232+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R182000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

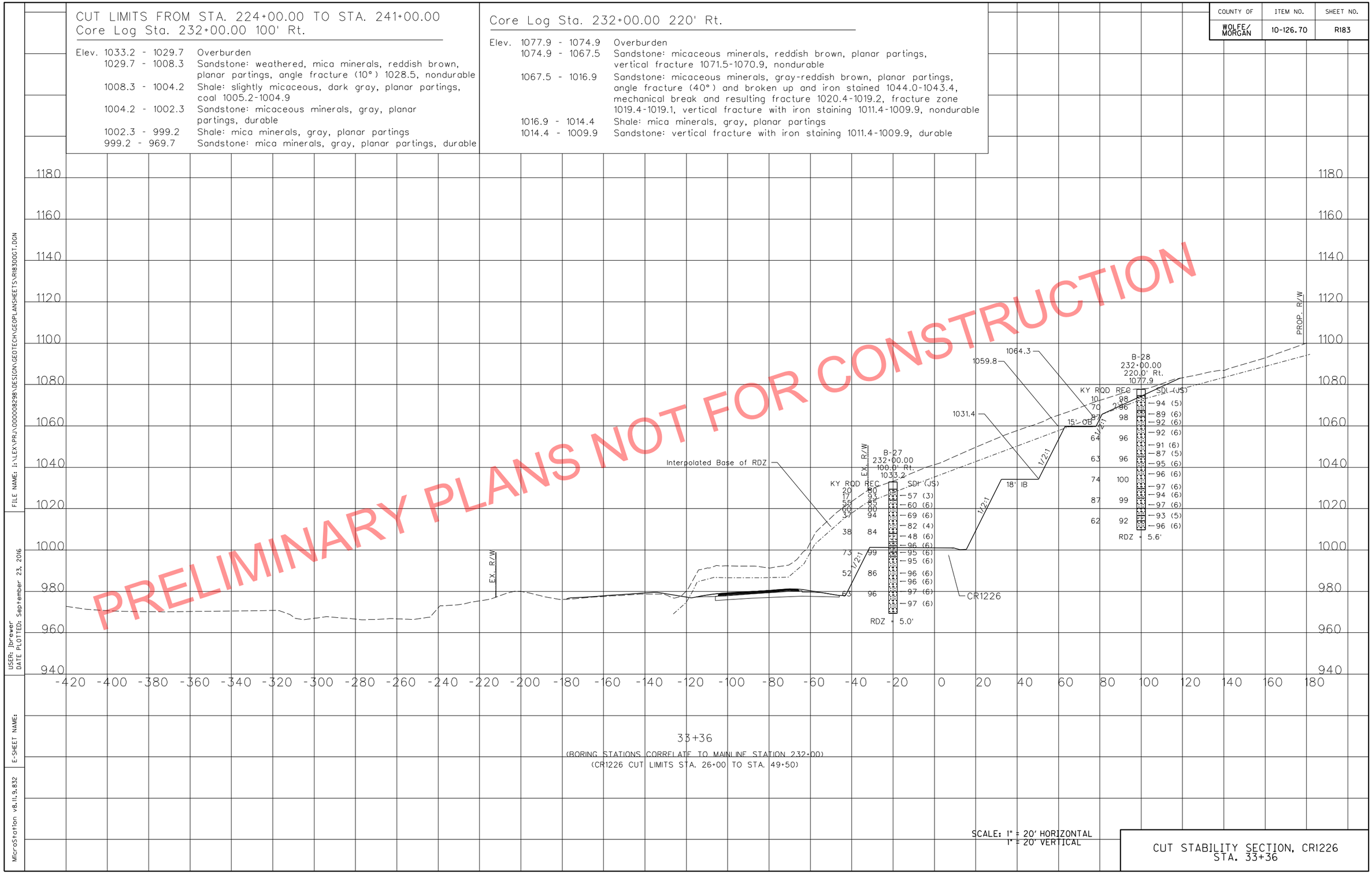
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R183 |

## CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
## Core Log Sta. 232+00.00 100' Rt.

| | | |
|---|---|---|
| Elev. | 1033.2 - 1029.7 | Overburden |
| | 1029.7 - 1008.3 | Sandstone: weathered, mica minerals, reddish brown, planar partings, angle fracture (10°) 1028.5, nondurable |
| | 1008.3 - 1004.2 | Shale: slightly micaceous, dark gray, planar partings, coal 1005.2-1004.9 |
| | 1004.2 - 1002.3 | Sandstone: micaceous minerals, gray, planar partings, durable |
| | 1002.3 - 999.2 | Shale: mica minerals, gray, planar partings |
| | 999.2 - 969.7 | Sandstone: mica minerals, gray, planar partings, durable |

## Core Log Sta. 232+00.00 220' Rt.

| | | |
|---|---|---|
| Elev. | 1077.9 - 1074.9 | Overburden |
| | 1074.9 - 1067.5 | Sandstone: micaceous minerals, reddish brown, planar partings, vertical fracture 1071.5-1070.9, nondurable |
| | 1067.5 - 1016.9 | Sandstone: micaceous minerals, gray-reddish brown, planar partings, angle fracture (40°) and broken up and iron stained 1044.0-1043.4, mechanical break and resulting fracture 1020.4-1019.2, fracture zone 1019.4-1019.1, vertical fracture with iron staining 1011.4-1009.9, nondurable |
| | 1016.9 - 1014.4 | Shale: mica minerals, gray, planar partings |
| | 1014.4 - 1009.9 | Sandstone: vertical fracture with iron staining 1011.4-1009.9, durable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

33+36

(BORING STATIONS CORRELATE TO MAINLINE STATION 232+00)
(CR1226 CUT LIMITS STA. 26+00 TO STA. 49+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

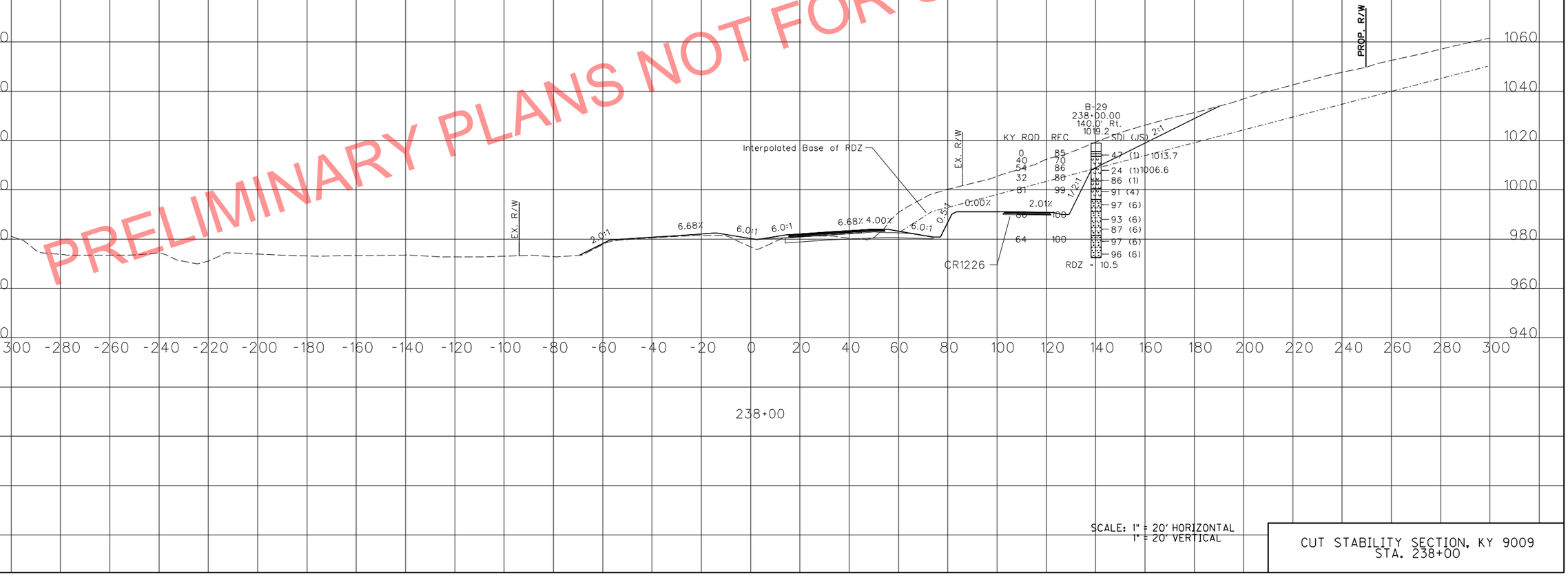
CUT STABILITY SECTION, CR1226
STA. 33+36

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R183000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R184 |

CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
Core Log Sta. 238+00.00 140' Rt.

| | | |
|---|---|---|
| Elev. | 1019.2 - 1015.7 | Overburden |
| | 1015.7 - 1014.8 | Shale (siltstone): weathered, sandy, with mica, tan |
| | 1014.8 - 1013.7 | Shale: weathered, dark gray |
| | 1013.7 - 1003.7 | Shale: shale, mica minerals, dark gray-black, planar partings, iron staining 1009.9 - 1009.3, crushed coal 1004.3 - 1003.7 |
| | 1003.7 - 1000.7 | Shale: bentonite, dark gray-black, planar partings |
| | 1000.7 - 996.2 | Shale (siltstone): mica minerals, light gray to dark gray, planar partings |
| | 996.2 - 972.7 | Sandstone: mica minerals, gray, planar partings, nondurable |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

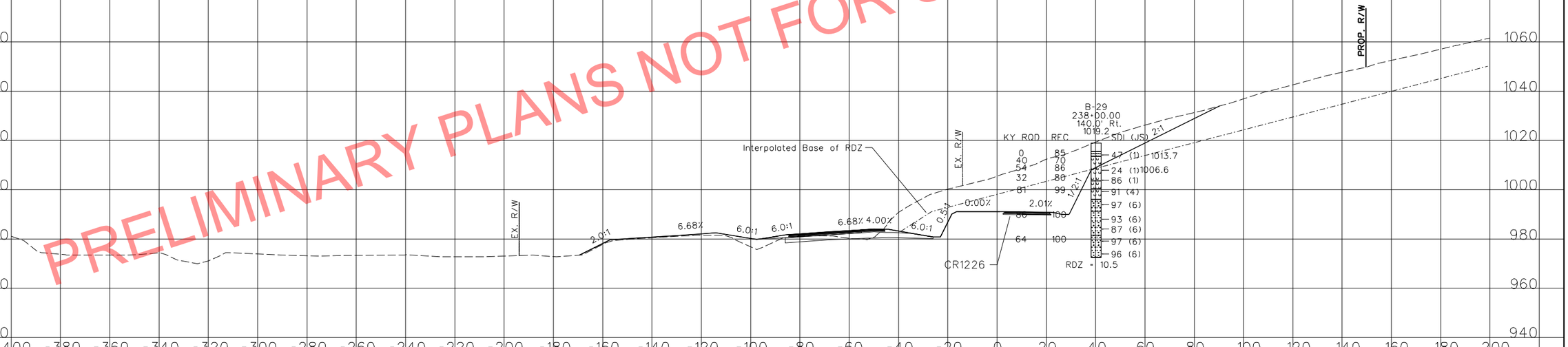
CUT STABILITY SECTION, KY 9009
STA. 238+00

SHEET LOCATION:
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R184000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R185 |

CUT LIMITS FROM STA. 224+00.00 TO STA. 241+00.00
Core Log Sta. 238+00.00 140' Rt.

| | | |
|---|---|---|
| Elev. | 1019.2 - 1015.7 | Overburden |
| | 1015.7 - 1014.8 | Shale (siltstone): weathered, sandy, with mica, tan |
| | 1014.8 - 1013.7 | Shale: weathered, dark gray |
| | 1013.7 - 1003.7 | Shale: shale, mica minerals, dark gray-black, planar partings, iron staining 1009.9 - 1009.3, crushed coal 1004.3 - 1003.7 |
| | 1003.7 - 1000.7 | Shale: bentonite, dark gray-black, planar partings |
| | 1000.7 - 996.2 | Shale (siltstone): mica minerals, light gray to dark gray, planar partings |
| | 996.2 - 972.7 | Sandstone: mica minerals, gray, planar partings, nondurable |




39+62
(BORING STATIONS CORRELATE TO MAINLINE STATION 238+00)
(CR1226 CUT LIMITS STA. 26+00 TO STA. 49+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, CR1226
STA. 39+62

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SHEET LOCATION:
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R185000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

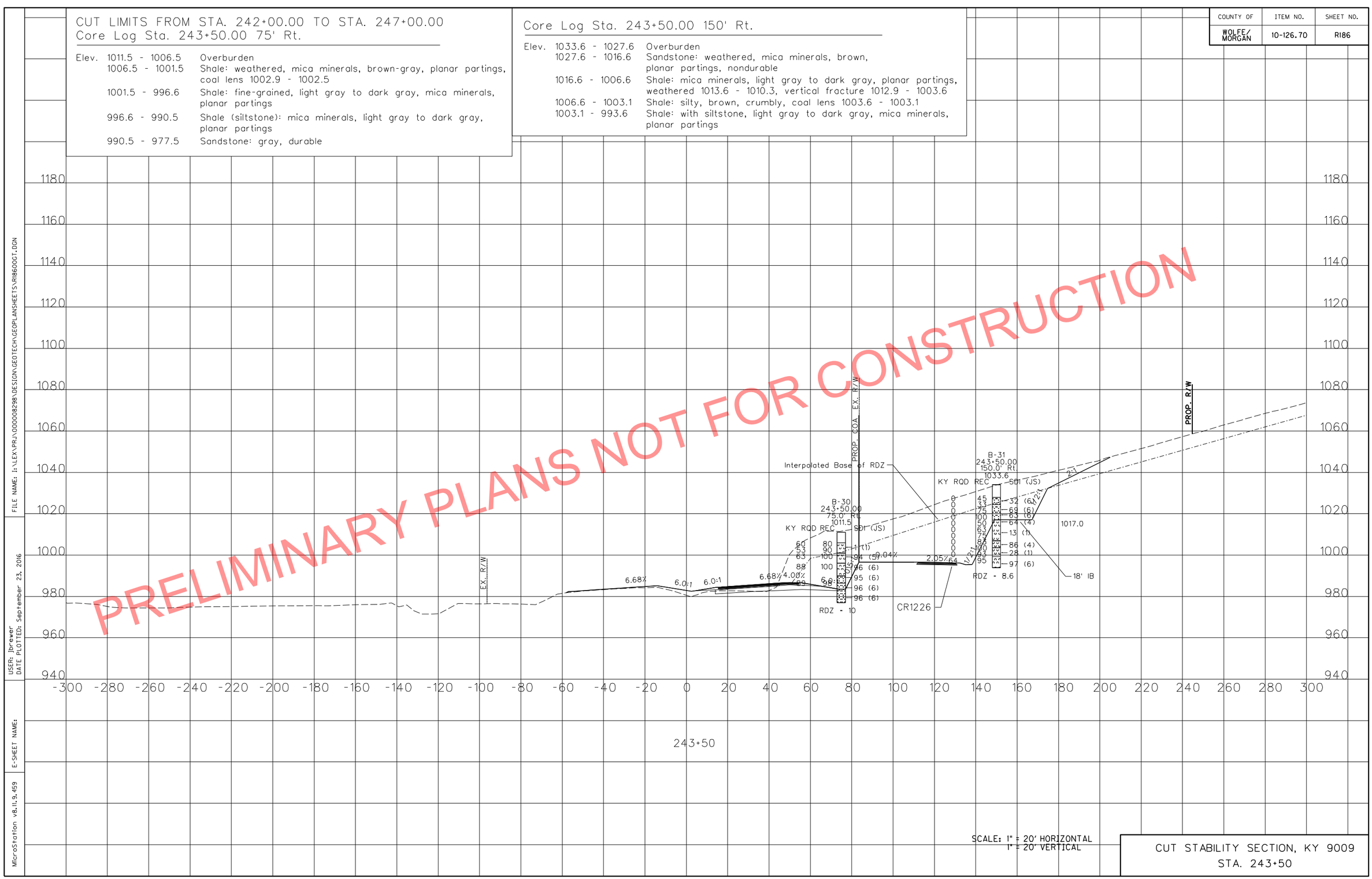
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R186 |

CUT LIMITS FROM STA. 242+00.00 TO STA. 247+00.00
Core Log Sta. 243+50.00 75' Rt.

| Elev. | | |
|---|---|---|
| | 1011.5 - 1006.5 | Overburden |
| | 1006.5 - 1001.5 | Shale: weathered, mica minerals, brown-gray, planar partings, coal lens 1002.9 - 1002.5 |
| | 1001.5 - 996.6 | Shale: fine-grained, light gray to dark gray, mica minerals, planar partings |
| | 996.6 - 990.5 | Shale (siltstone): mica minerals, light gray to dark gray, planar partings |
| | 990.5 - 977.5 | Sandstone: gray, durable |

Core Log Sta. 243+50.00 150' Rt.

| Elev. | | |
|---|---|---|
| | 1033.6 - 1027.6 | Overburden |
| | 1027.6 - 1016.6 | Sandstone: weathered, mica minerals, brown, planar partings, nondurable |
| | 1016.6 - 1006.6 | Shale: mica minerals, light gray to dark gray, planar partings, weathered 1013.6 - 1010.3, vertical fracture 1012.9 - 1003.6 |
| | 1006.6 - 1003.1 | Shale: silty, brown, crumbly, coal lens 1003.6 - 1003.1 |
| | 1003.1 - 993.6 | Shale: with siltstone, light gray to dark gray, mica minerals, planar partings |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 243+50

MicroStation v8.11.9.459
E-SHEET NAME:
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\00000829B\DESIGN\GEOTECH\GEOPLANSHEETS\R186000T.DGN

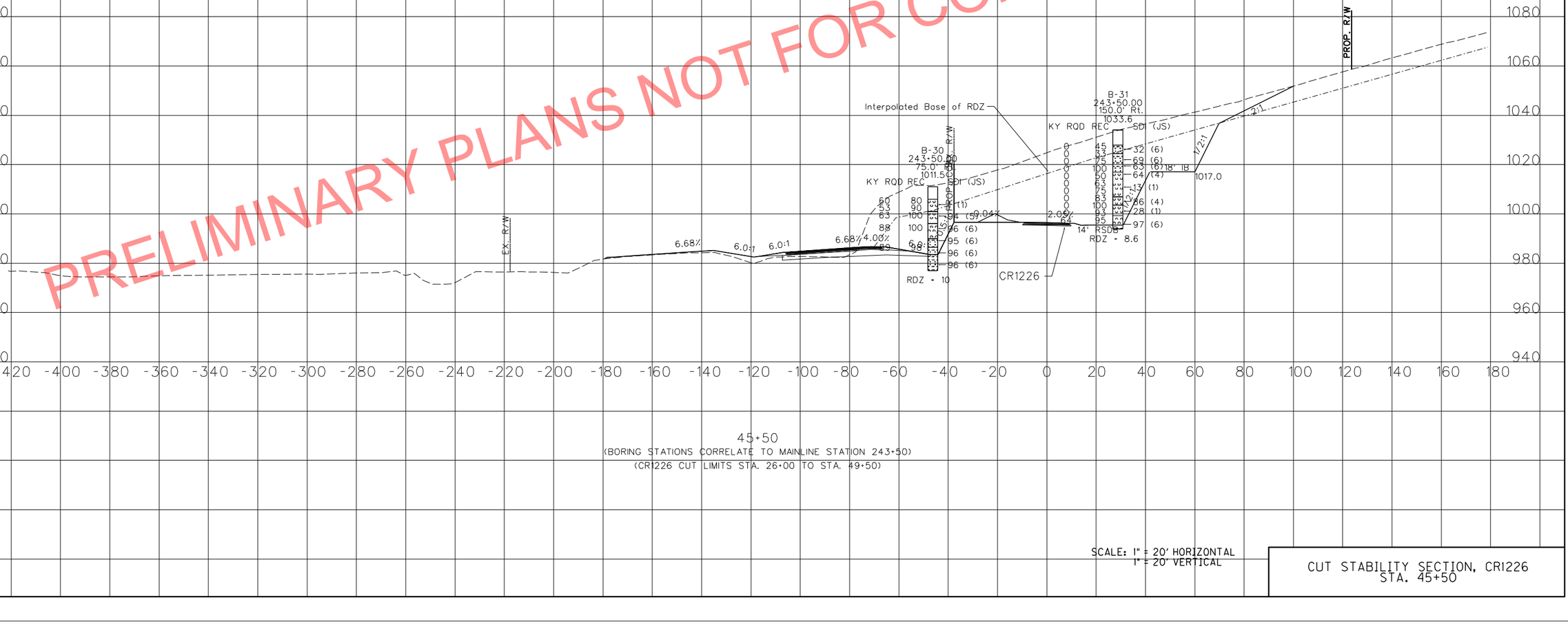
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R187 |

## CUT LIMITS FROM STA. 242+00.00 TO STA. 247+00.00
## Core Log Sta. 243+50.00 75' Rt.

| | | |
|---|---|---|
| Elev. | 1011.5 - 1006.5 | Overburden |
| | 1006.5 - 1001.5 | Shale: weathered, mica minerals, brown-gray, planar partings, coal lens 1002.9 - 1002.5 |
| | 1001.5 - 996.6 | Shale: fine-grained, light gray to dark gray, mica minerals, planar partings |
| | 996.6 - 990.5 | Shale (siltstone): mica minerals, light gray to dark gray, planar partings |
| | 990.5 - 977.5 | Sandstone: gray, durable |

## Core Log Sta. 243+50.00 150' Rt.

| | | |
|---|---|---|
| Elev. | 1033.6 - 1027.6 | Overburden |
| | 1027.6 - 1016.6 | Sandstone: weathered, mica minerals, brown, planar partings, nondurable |
| | 1016.6 - 1006.6 | Shale: mica minerals, light gray to dark gray, planar partings, weathered 1013.6 - 1010.3, vertical fracture 1012.9 - 1003.6 |
| | 1006.6 - 1003.1 | Shale: silty, brown, crumbly, coal lens 1003.6 - 1003.1 |
| | 1003.1 - 993.6 | Shale: with siltstone, light gray to dark gray, mica minerals, planar partings |




45+50
(BORING STATIONS CORRELATE TO MAINLINE STATION 243+50)
(CR1226 CUT LIMITS STA. 26+00 TO STA. 49+50)

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, CR1226
STA. 45+50

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R187000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R188 |

CUT LIMITS FROM STA. 242+00.00 TO STA. 247+00.00
Core Log Sta. 246+00.00 140' Rt.

| | | |
|---|---|---|
| Elev. | 1037.0 - 1033.0 | Overburden |
| | 1033.0 - 1017.0 | Sandstone: brown and light gray, medium to coarse grained, friable, iron staining 1019.4-1018.7, nondurable |
| | 1017.0 - 1013.0 | Shale: mica, gray, planar partings |
| | 1013.0 - 1011.0 | Shale: mica, black, planar partings |
| | 1011.0 - 1008.0 | Shale: silty, with bentonite, gray, vertical fracture 1008.5-1008.1 |
| | 1008.0 - 1002.5 | Shale (siltstone): mica, gray, planar partings, coal lens 1002.7-1002.3 |
| | 1002.5 - 994.4 | Shale: mica, gray, planar partings |
| | 994.4 - 978.0 | Sandstone: mica minerals, gray, vertical parting 984.3, durable |




SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION, KY 9009
STA. 246+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SHEET LOCATION:
FILE NAME: I:\LEX\PRJ\0000082980\DESIGN\GEOTECH\GEOPLANSHEETS\R188000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R189 |

## CUT LIMITS FROM STA. 242+00.00 TO STA. 247+00.00

Core Log Sta. 246+00.00 140' Rt.

| | | |
|---|---|---|
| Elev. | 1037.0 - 1033.0 | Overburden |
| | 1033.0 - 1017.0 | Sandstone: brown and light gray, medium to coarse grained, friable, iron staining 1019.4-1018.7, nondurable |
| | 1017.0 - 1013.0 | Shale: mica, gray, planar partings |
| | 1013.0 - 1011.0 | Shale: mica, black, planar partings |
| | 1011.0 - 1008.0 | Shale: silty, with bentonite, gray, vertical fracture 1008.5-1008.1 |
| | 1008.0 - 1002.5 | Shale (siltstone): mica, gray, planar partings, coal lens 1002.7-1002.3 |
| | 1002.5 - 994.4 | Shale: mica, gray, planar partings |
| | 994.4 - 978.0 | Sandstone: mica minerals, gray, vertical parting 984.3, durable |




48+00

(BORING STATIONS CORRELATE TO MAINLINE STATION 246+00)

(CR1226 CUT LIMITS STA. 26+00 TO STA. 49+50)

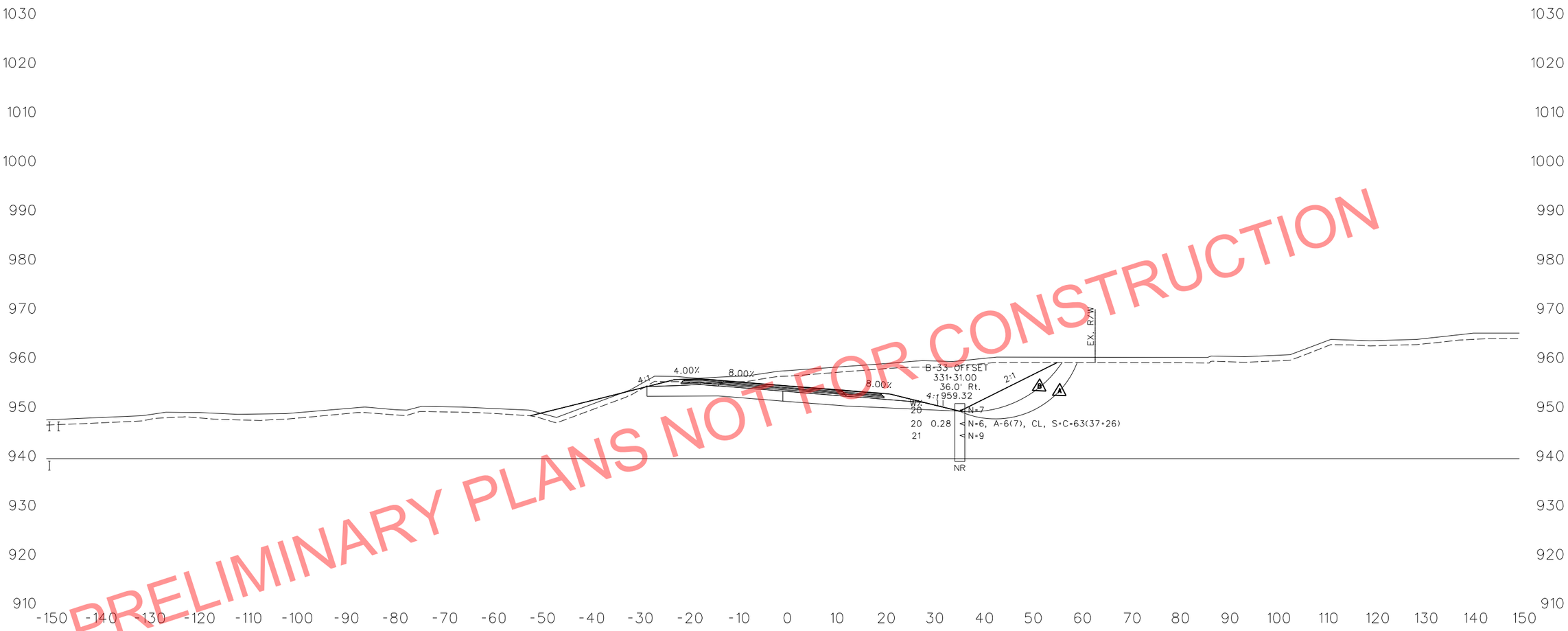
SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

## CUT STABILITY SECTION, CR1226 STA. 48+00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SHEET LOCATION:
FILE NAME: I:\LEX\PRJ\0000082980\DESIGN\GEOTECH\GEOPLANSHEETS\R189000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R190 |




STA. 331+00.00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| ASSUMED SOIL STRENGTH PARAMETERS | | |
|---|---|---|
| SOIL | I | II |
| INTERMEDIATE TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 250 psf<br>$\phi$ = 27 |
| LONG TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 50 psf<br>$\phi$ = 27 |

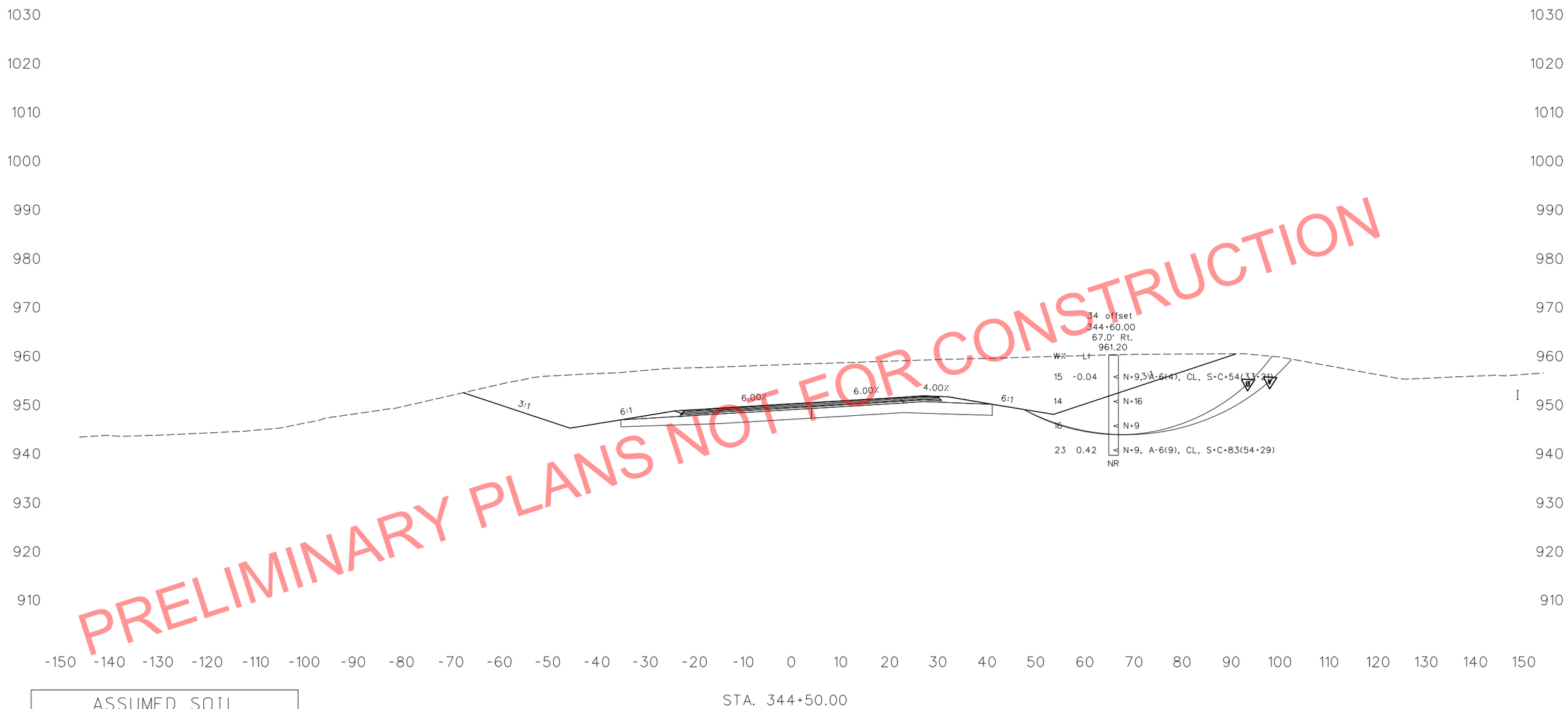
| FACTORS OF SAFETY | | |
|---|---|---|
| INTERMEDIATE TERM | A | 3.52 |
| LONG TERM | B | 1.96 |

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

CUT STABILITY SECTION
KY 205 STA. 331+00

MicroStation v8.11.9.459
E-SHEET NAME:
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R19000GT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R191 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| ASSUMED SOIL STRENGTH PARAMETERS | |
|---|---|
| SOIL | I |
| INTERMEDIATE TERM | $\gamma$ = 125 pcf<br>C = 250 psf<br>$\phi$ = 27 |
| LONG TERM | $\gamma$ = 125 pcf<br>C = 50 psf<br>$\phi$ = 27 |

| FACTORS OF SAFETY | | |
|---|---|---|
| INTERMEDIATE TERM | A | 3.05 |
| LONG TERM | B | 1.56 |

SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

CUT STABILITY SECTION
KY 205 STA. 344+50

MicroStation v8.11.9.459
E-SHEET NAME:
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R191OGT.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R192 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

STA. 133+00.00 RT

| ASSUMED SOIL STRENGTH PARAMETERS | | | | |
|---|---|---|---|---|
| SOIL | I | II | III | IV |
| SHORT TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 0<br>$\phi$ = 32 | $\gamma$ = 95 pcf<br>C = 300 psf<br>$\phi$ = 0 | $\gamma$ = 130 pcf<br>C = 1500 psf<br>$\phi$ = 0 |
| LONG TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 0<br>$\phi$ = 32 | $\gamma$ = 95 pcf<br>C = 150 psf<br>$\phi$ = 25 | $\gamma$ = 130 pcf<br>C = 150 psf<br>$\phi$ = 27 |

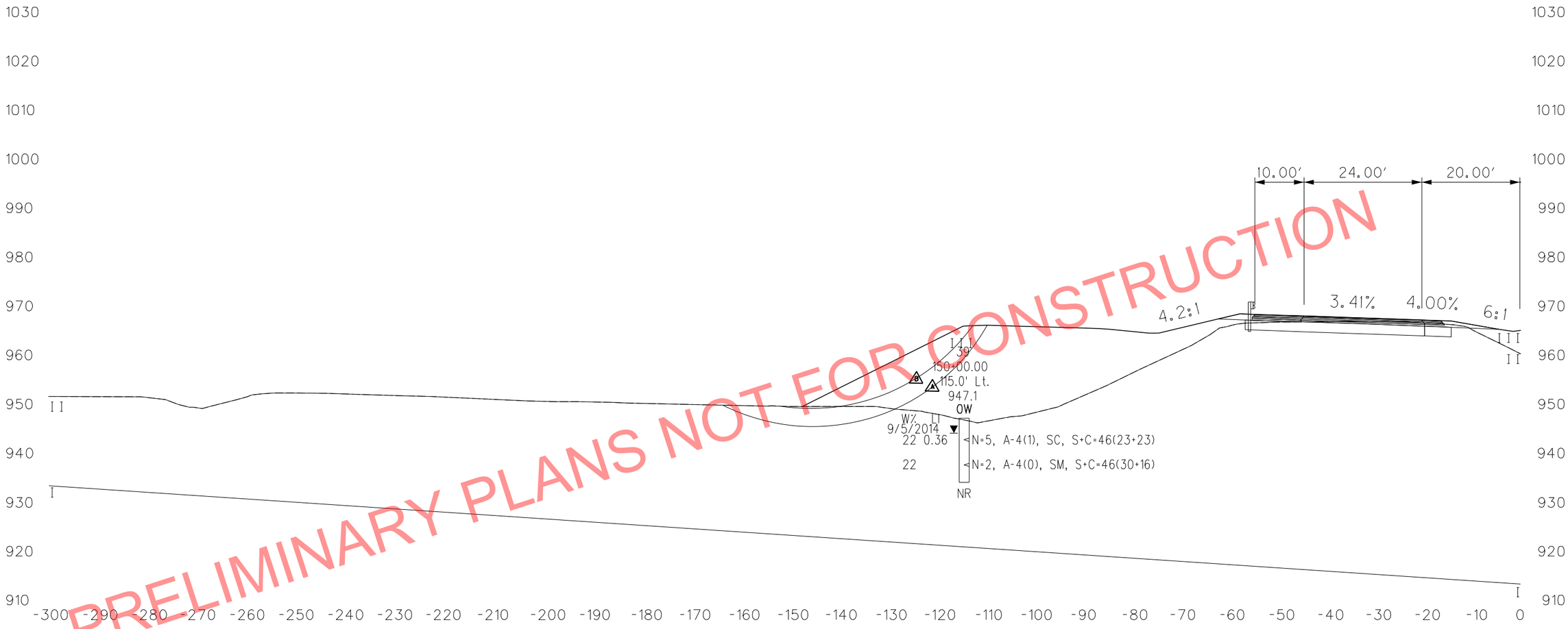
| FACTORS OF SAFETY | | |
|---|---|---|
| SHORT TERM | A | 1.23 |
| LONG TERM | B | 1.75 |

SCALE: 1"=10'

EMBANKMENT STABILITY SECTION
KY 9009 STA. 133+00 RT

MicroStation v8.11.9.459
E-SHEET NAME:
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\00000829B\DESIGN\GEOTECH\GEOPLANSHEETS\R192000T.DGN

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R193 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| ASSUMED SOIL STRENGTH PARAMETERS | | | |
|---|---|---|---|
| SOIL | I | II | III |
| SHORT TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 100 pcf<br>C = 0<br>$\phi$ = 30 | $\gamma$ = 130 pcf<br>C = 1500 psf<br>$\phi$ = 0 |
| LONG TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 100 pcf<br>C = 0<br>$\phi$ = 30 | $\gamma$ = 130 pcf<br>C = 150 psf<br>$\phi$ = 27 |

STA. 150+00.00 LT

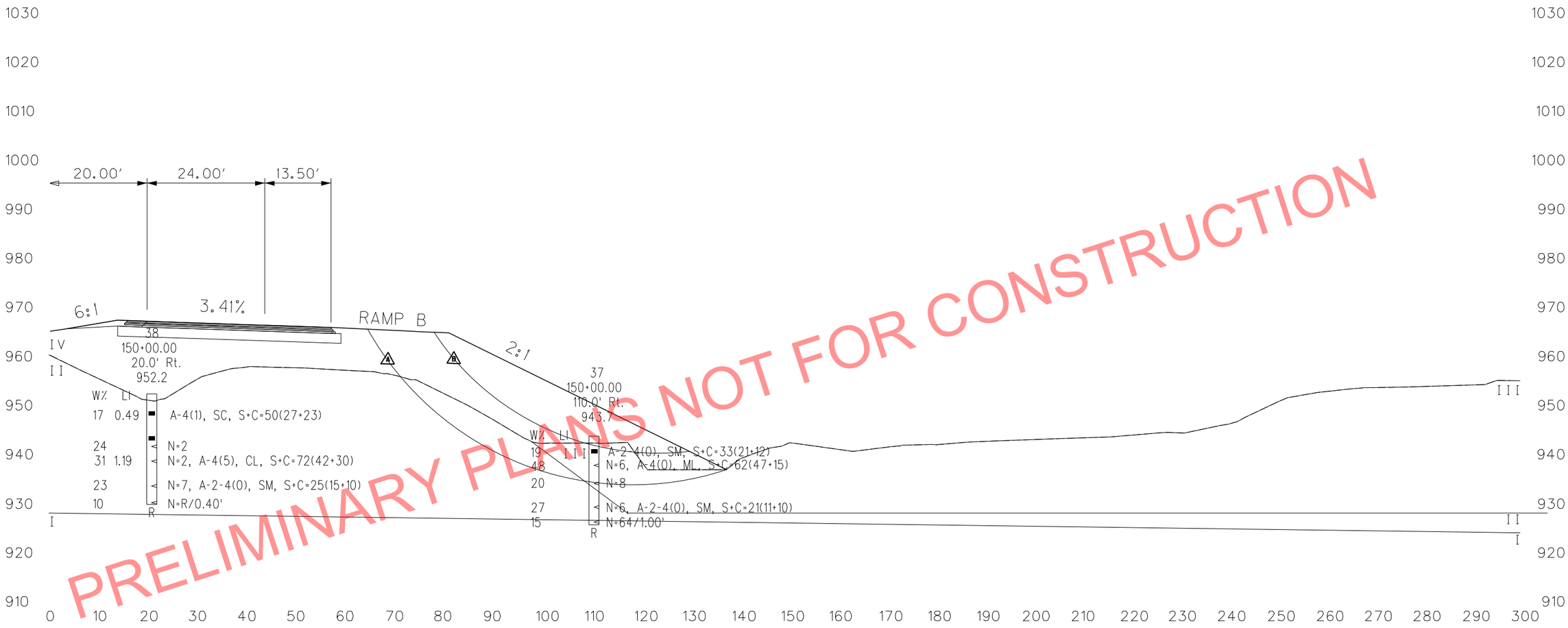
| FACTORS OF SAFETY | | |
|---|---|---|
| SHORT TERM | A | 2.90 |
| LONG TERM | B | 1.75 |

SCALE: 1"=10'

EMBANKMENT STABILITY SECTION
KY 9009 STA. 150+00 LT

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R193000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R194 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

STA. 150+00.00 RT

| ASSUMED SOIL STRENGTH PARAMETERS | | | | |
|---|---|---|---|---|
| SOIL | I | II | III | IV |
| SHORT TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 0<br>$\phi$ = 32 | $\gamma$ = 100 pcf<br>C = 0<br>$\phi$ = 30 | $\gamma$ = 130 pcf<br>C = 1500 psf<br>$\phi$ = 0 |
| LONG TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 115 pcf<br>C = 0<br>$\phi$ = 32 | $\gamma$ = 100 pcf<br>C = 0<br>$\phi$ = 30 | $\gamma$ = 130 pcf<br>C = 150 psf<br>$\phi$ = 27 |

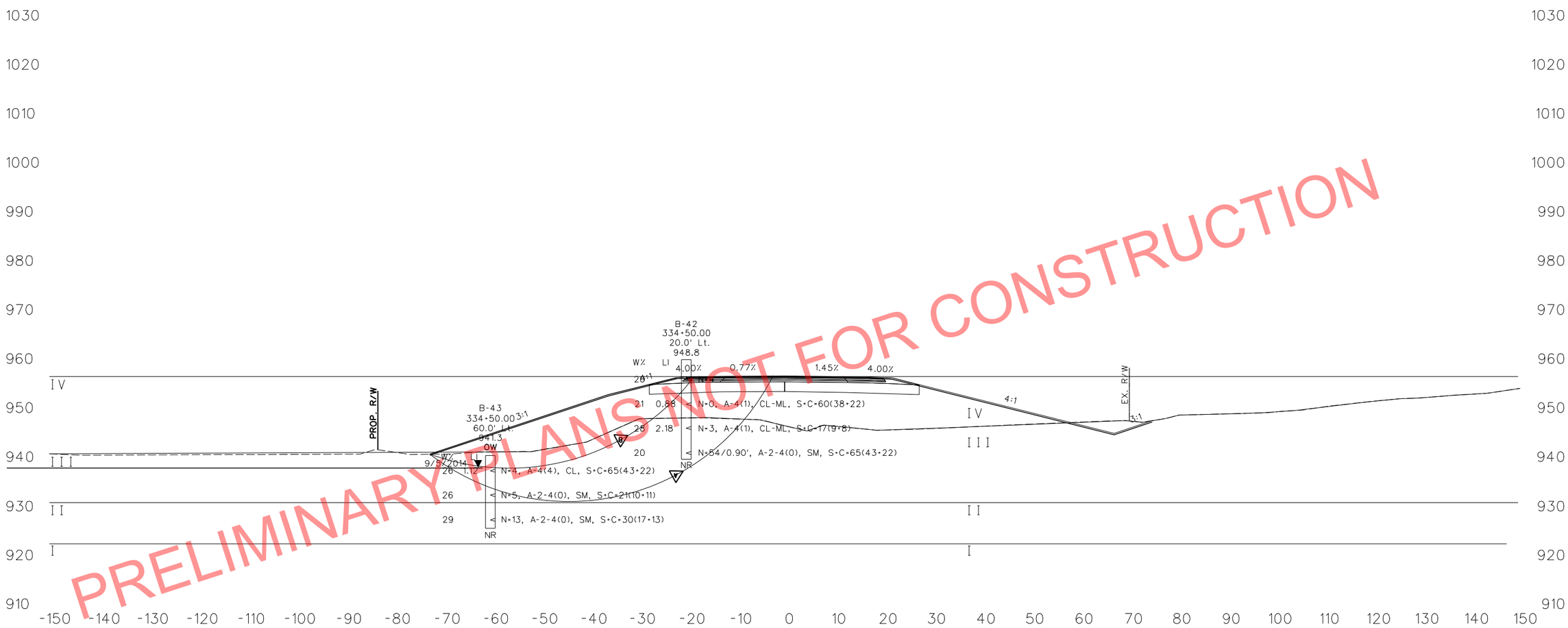
| FACTORS OF SAFETY | | |
|---|---|---|
| SHORT TERM | A | 1.97 |
| LONG TERM | B | 1.60 |

SCALE: 1"=10'

EMBANKMENT STABILITY SECTION
KY 9009 STA. 150+00 RT

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R194000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R195 |




STA. 334+50.00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| ASSUMED SOIL STRENGTH PARAMETERS | | | | |
|---|---|---|---|---|
| SOIL | I | II | III | IV |
| SHORT TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 122 pcf<br>C = 0<br>$\phi$ = 35 | $\gamma$ = 95 pcf<br>C = 300 psf<br>$\phi$ = 0 | $\gamma$ = 130 pcf<br>C = 1500 psf<br>$\phi$ = 0 |
| LONG TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 122 pcf<br>C = 0<br>$\phi$ = 35 | $\gamma$ = 95 pcf<br>C = 150 psf<br>$\phi$ = 25 | $\gamma$ = 130 pcf<br>C = 150 psf<br>$\phi$ = 27 |

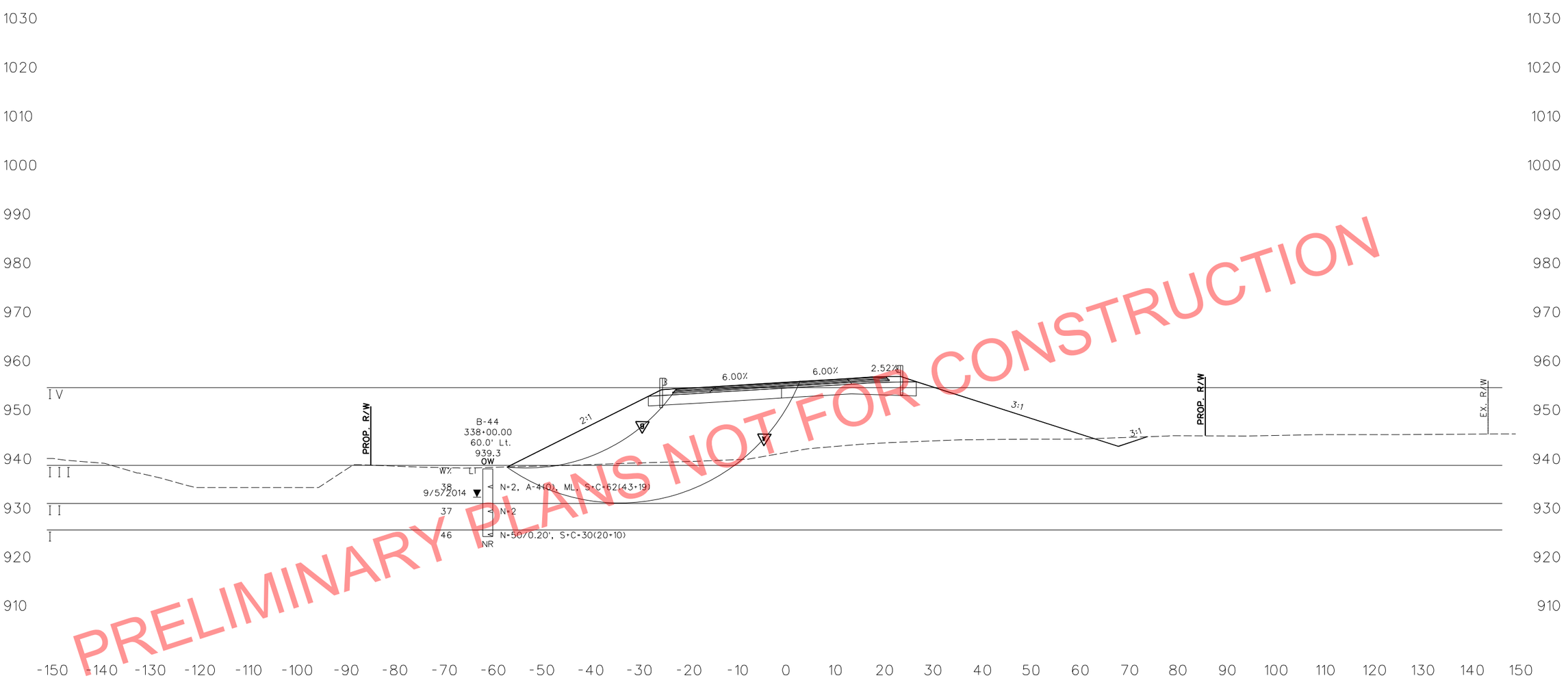
| FACTORS OF SAFETY | | |
|---|---|---|
| SHORT TERM | A | 1.57 |
| LONG TERM | B | 2.36 |

SCALE: 1"=10'

EMBANKMENT STABILITY SECTION
KY 205 STA. 334+50

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R195000T.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R196 |




STA. 338+00.00

PRELIMINARY PLANS NOT FOR CONSTRUCTION

| ASSUMED SOIL STRENGTH PARAMETERS | | | | |
|---|---|---|---|---|
| SOIL | I | II | III | IV |
| SHORT TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 100 pcf<br>C = 0<br>$\phi$ = 30 | $\gamma$ = 95 pcf<br>C = 300 psf<br>$\phi$ = 0 | $\gamma$ = 130 pcf<br>C = 1500 psf<br>$\phi$ = 0 |
| LONG TERM | $\gamma$ = 140 pcf<br>C = 4000 psf<br>$\phi$ = 38 | $\gamma$ = 100 pcf<br>C = 0<br>$\phi$ = 30 | $\gamma$ = 95 pcf<br>C = 150 psf<br>$\phi$ = 25 | $\gamma$ = 130 pcf<br>C = 150 psf<br>$\phi$ = 27 |

| FACTORS OF SAFETY | | |
|---|---|---|
| SHORT TERM | A | 1.84 |
| LONG TERM | B | 1.77 |

SCALE: 1"=10'

EMBANKMENT STABILITY SECTION
KY 205 STA. 338+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\GEOTECH\GEOPLANSHEETS\R19600GT.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME:
MicroStation v8.11.9.459

# PIPE DRAINAGE SHEET 1 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R197 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |




FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 4.00 | 964.45 |
| CHECK | 100 | 4.40 | 964.46 |

STA 114+70
0°45'14" SKEW LT

SCALE: 1"= 10'

MT PKWY PIPE SHEET
STA 114+70

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R197OOPD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R197OOPD
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R198 |

# CULVERT SITUATION

STA 117+37.5

6' x 5'
RCBC EXTENSION
AT 44°38'22" SKEW RIGHT

| CONCRETE CLASS | STEEL REINF |
|---|---|
| CU YD | LBS |

PRELIMINARY PLANS NOT FOR CONSTRUCTION

## STREAM PROFILE

SCALE: 1"=100' HORIZ & 1"=10' VERT

AVG SLOPE = 0.71%

EX 6'x6' RCBC
IE 951.73
OE 950.91

## CHANNEL SECTIONS

SCALE: 1"=10' HORIZ & VERT

956.54
952.4
FL 950.65
51+19

961.76
958.8
FL 951.00
50+85

959.03
957.8
FL 951.74
50+00

959.30
959.6
FL 951.71
50+06

958.70
958.9
FL 952.26

| FLOOD DATA EXISTING | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 138.4 | 956.20 |
| CHECK | 100 | 157.6 | 956.41 |

| FLOOD DATA PROPOSED | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 45.9 | 956.51 |
| CHECK | 100 | 51.5 | 957.03 |

85.74' LT STA 118+20.24 CONST
(1) 6'x5' BOX CULVERT HDWL
@ 44°38'22" RT SKEW

74.11' RT STA 116+64.06 CONST
CONST (1) 36" CULVERT HEADWALL
@ 44°38'22" RT SKEW

EXISTING 6'x5' RCBC @ 0.92%

OE 950.59

CONST 35 LF 6'x5' RCBC
@ 1.00%
SEE STRUCTURE PLANS

OE 950.91 FL 950.94

FL 951.73 IE 951.73

SKEW 44°38'22" RT

CONST 107 LF 36" CULVERT PIPE @ 0.50%

IE 952.26

## CULVERT SECTION

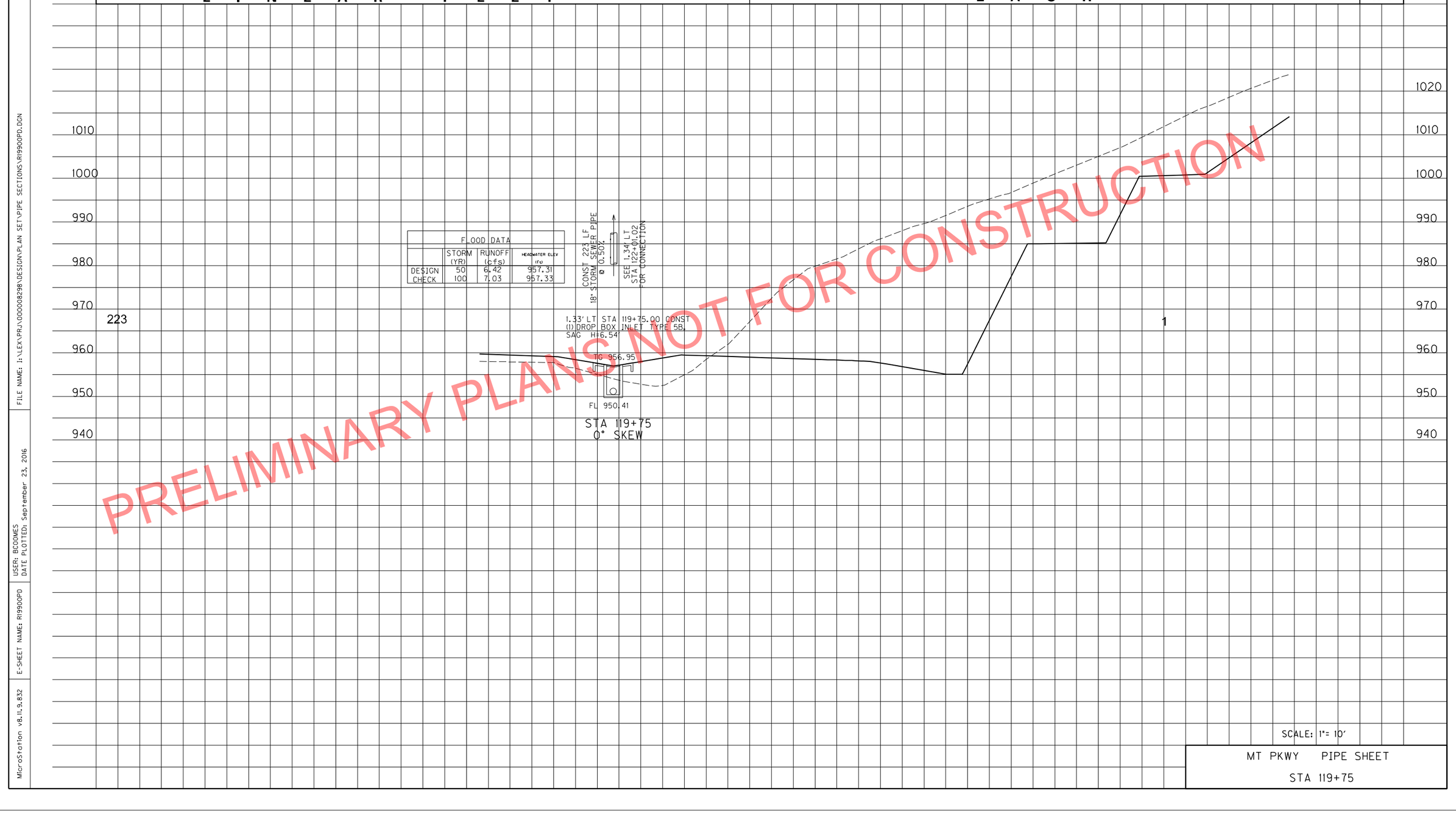
SCALE: 1"=10' HORIZ & VERT

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R19800PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R19800PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 3 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R199 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS 1V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 10'

MT PKWY PIPE SHEET

STA 119+75

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R19900PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R19900PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 4 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R200 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | | CUYD | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 51.4 | |

970 960 950 940

© STA 129+46.32 PROP
DROP BOX INLET TYPE 7

TG 962.59

FL 956.82

CONST 56 LF 18" STORM SEWER PIPE @ 5.11%

78.43' RT © STA 130+05.86
CONST (1) JUNCTION BOX NO. 3

78.04' RT © STA 130+29.19 CONST
(1) 18" PIPE CULVERT HEADWALL
89°06'29" SKEW LT (SLOPED & FLARED)

FL 953.96

CONST 22 LF
18" STORM SEWER PIPE
@ 4.86%

OE 952.89

18" STORM SEWER PIPE
@ 5.00%

SEE RAMP A STA 20+91.70
FOR CONNECTION

78.0' RT © STA 130+33.08
CONST OUTLET CHANNEL
L=70', W= 5.3', T= 24"
1.0' DEPTH OF PROTECTION
(5)1.4 CU YD CLASS IV LINING)
15 CU YD EXC

100 YEAR WSE 946.00

RED RIVER

STA 130+29
OUTLET

0 50 100 150 200

116

980 970 960 950 940

© MNT PKWY
STA 128+83.21

965.4
968.60

14' LT STA 128+71.67 CONST
(1) CURB BOX INLET TYPE B,32.2
H=5.00'

TG 968.27

FL 963.27

CONST 86 LF 18" STORM SEWER PIPE @ 0.50%

54.06' RT STA 129+26.86 CONST
(1) CURB BOX INLET TYPE B,32.2
H=5.12'

TG 967.96

FL 962.84

CONST 30 LF 18"
STORM SEWER PIPE
@ 20.07%

79.00' RT STA 129+46.32
CONST (1) DROP BOX INLET
TYPE 7, NO. 1, H=5.77'

TG 962.59

FL 956.82

SKEW 04°05'36" LT

STA 128+82.21
38°46'49" SKEW LT

18" STORM SEWER PIPE
@ 5.11%

SEE RT STA 130+05.86
FOR CONNECTION

982.2
964.14

© RAMP A
STA 20+81.70

FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 3.88 | 962.86 |
| CHECK | 100 | 4.25 | 962.88 |

1 2

-50 0 50 100 150 200

FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 5.01 | 958.63 |
| CHECK | 100 | 5.51 | 958.65 |

1.34' LT STA 122+01.02 CONST
(1) DROP BOX INLET TYPE 5B
MODIFIED GRADE H=10.59'

TG 958.37

FL 951.58

FL 949.29

FL 947.78

IE 947.08

CONST 16 LF 27" RCP
@ 5.46%
EXTEND IN KIND

CONST 84 LF 24" STORM SEWER PIPE @ 1.00%

© RAMP D
STA 66+23.32

44.41' RT STA 66+23.49 © RAMP D
CONST (1) 27" PIPE CULVERT HDWL
(SLOPED & FLARED)

EXISTING 27" RCP @ 5.46%

OE 942.84

OE 941.36

CONST 31 LF 27" RCP
@ 5.46%
EXTEND IN KIND

84 47 1 1 1

STA 122+01.1
5°19'43" SKEW LT

-150 -100 -50 0 50 100

© RAMP A
STA 13+04.75

FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 22.63 | 957.77 |
| CHECK | 100 | 24.76 | 957.82 |

TG 957.04

FL 952.43

20.04' RT STA 13+08.07 © RAMP A
CONST (1) DROP BOX INLET TYPE 1,
GRADE H=4.61' (MOD APRON)

SCALE: 1" = 10'

MT PKWY PIPE SHEET

STA 122+01.1, 128+82.86, 130+29

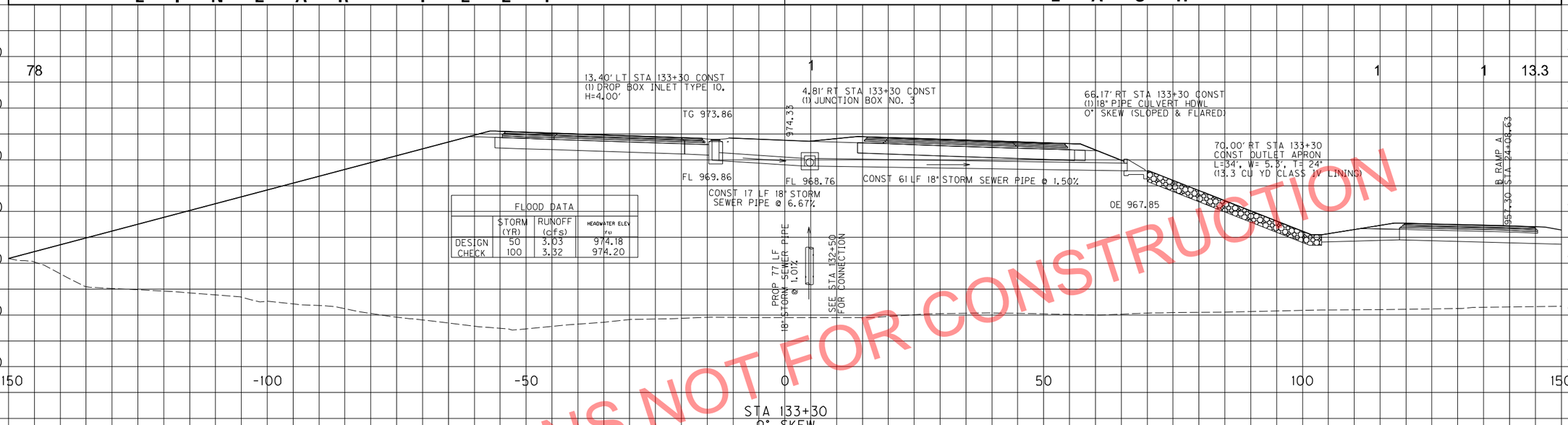
PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000082981DESIGN\PLAN SET\PIPE SECTIONS\R20000PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R20000PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 5 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R201 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| 78 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | 1 | 13.3 |







77

1

SCALE: 1"= 10'

MT PKWY PIPE SHEET
STA 132+50 & STA 133+30

PRELIMINARY PLANS NOT FOR CONSTRUCTION

MicroStation v8.11.9.832
E-SHEET NAME: R20100PD
USER: BCOOMES
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R20100PD.DGN

# PIPE DRAINAGE SHEET 6 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R202 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 204 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 22 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 18.8 |

6.41' RT STA 141+75.00 CONST
(1) DROP BOX INLET TYPE 1,
SAG H=3.00'

TG 975.82

FL 972.82

CONST 204 LF 18" STORM SEWER PIPE @ 0.50%

SEE STA 139+68.01 FOR CONNECTION

FLOOD DATA

| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV ft |
|---|---|---|---|
| DESIGN | 50 | 1.55 | 975.95 |
| CHECK | 100 | 1.70 | 975.96 |

STA 141+75
90° SKEW

14' LT STA 139+65.11
CONST (1) CURB BOX INLET
TYPE B,13.2 H=4.50'

TG 977.77

943.1
918.32

FL 973.27

CONST 13 LF 18" STORM SEWER PIPE @ 11.38%

FL 971.79

℄ STA 139+68.01 CONST
(1) JUNCTION BOX NO. 3

CONST 53 LF 18" STORM SEWER PIPE @ 1.23%

54' RT STA 139+79.33
CONST (1) CURB BOX INLET
TYPE B,13.2 H=5.55'

TG 976.69

FL 971.14

CONST 17 LF 18" STORM SEWER PIPE @ 3.18%

71.18' RT STA 139+82.98
CONST (1) 18" PIPE CULVERT HDWL
SKEW 11°54'13" LT (SLOPED & FLARED)

OE 970.60

74.93' RT STA 139+83.79
CONST OUTLET APRON
L=56', W= 5.3', T= 24"
(22.0 CU YD CLASS IV LINING)

STA 139+68.01
11°43'31" SKEW LT

14.09' LT STA 136+72.89
CONST (1) CURB BOX INLET
TYPE B,13.2 H=4.50'

TG 977.76

942.2
918.31

FL 973.26

CONST 67 LF 18" STORM SEWER PIPE @ 2.88%

53.91' RT STA 136+83.24
CONST (1) CURB BOX INLET
TYPE B,13.2 H=5.55'

TG 976.88

FL 971.33

CONST 15 LF 18" STORM SEWER PIPE @ 2.40%

70.78' RT STA 136+85.26 CONST
(1) 18" PIPE CULVERT HDWL
SKEW 08°42'11" LT (SLOPED & FLARED)

OE 970.97

70.78' RT STA 136+85.84
CONST OUTLET APRON
L=48', W= 5.3', T= 24"
(18.8 CU YD CLASS IV LINING)

STA 136+75
8°35'34" SKEW LT

SCALE: 1"= 10'

MT PKWY PIPE SHEET
STA 136+75, 139+68.01
STA 141+75

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000082
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R20200PD
MicroStation v8.11.9.832

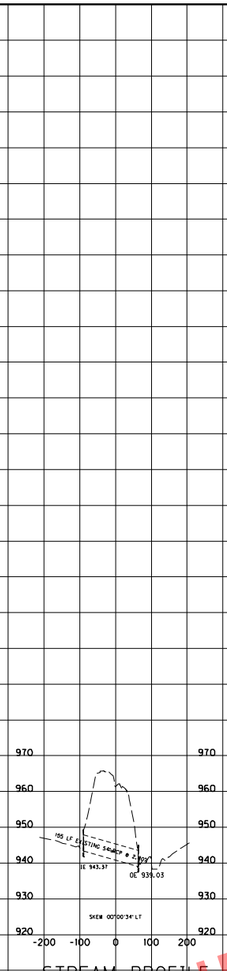
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R203 |

# CULVERT SITUATION

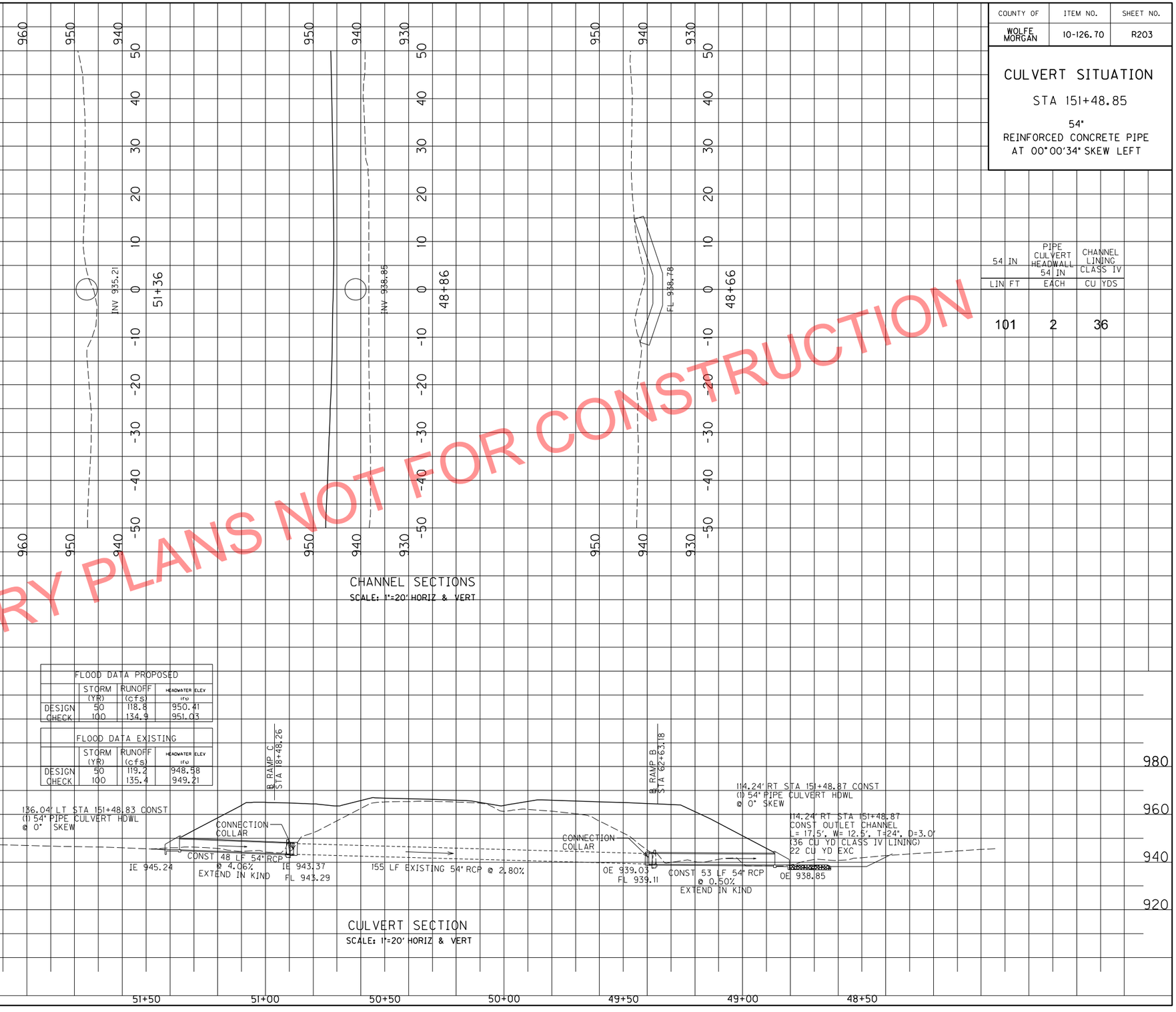
STA 151+48.85

54"
REINFORCED CONCRETE PIPE
AT 00°00'34" SKEW LEFT

| 54 IN | PIPE CULVERT HEADWALL 54 IN | CHANNEL LINING CLASS IV |
|---|---|---|
| LIN FT | EACH | CU YDS |
| 101 | 2 | 36 |




STREAM PROFILE
SCALE: 1"=200' HORIZ & 1"=20' VERT




CHANNEL SECTIONS
SCALE: 1"=20' HORIZ & VERT

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 118.8 | 950.41 |
| CHECK | 100 | 134.9 | 951.03 |

| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 50 | 119.2 | 948.58 |
| CHECK | 100 | 135.4 | 949.21 |




CULVERT SECTION
SCALE: 1"=20' HORIZ & VERT

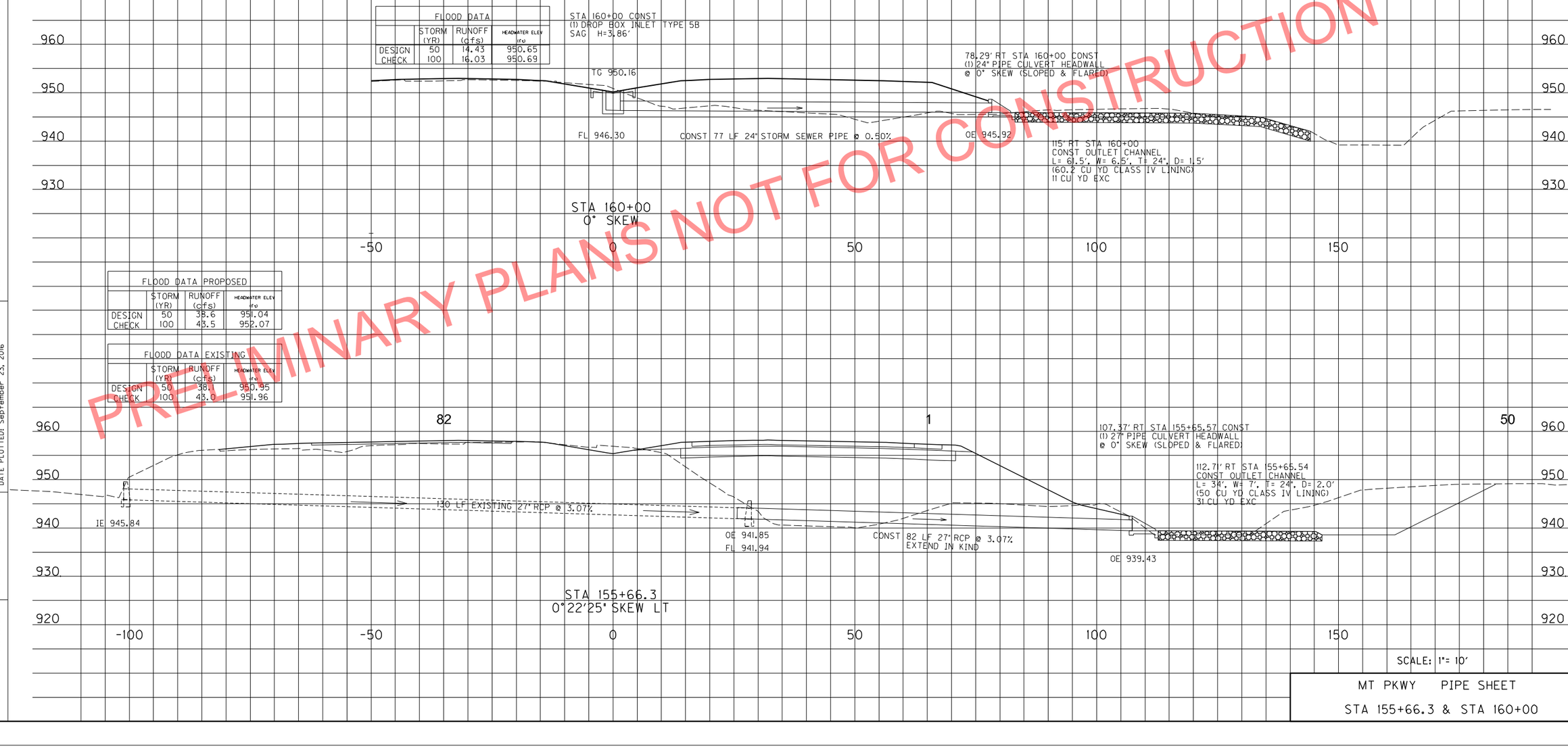
PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R20300PD.DGN
USER: jbrewer
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R19800PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 8 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R204 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| | 77 | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | 60.2 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 10'

MT PKWY PIPE SHEET

STA 155+66.3 & STA 160+00

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R2040PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R2040PD
MicroStation v8.11.9.832

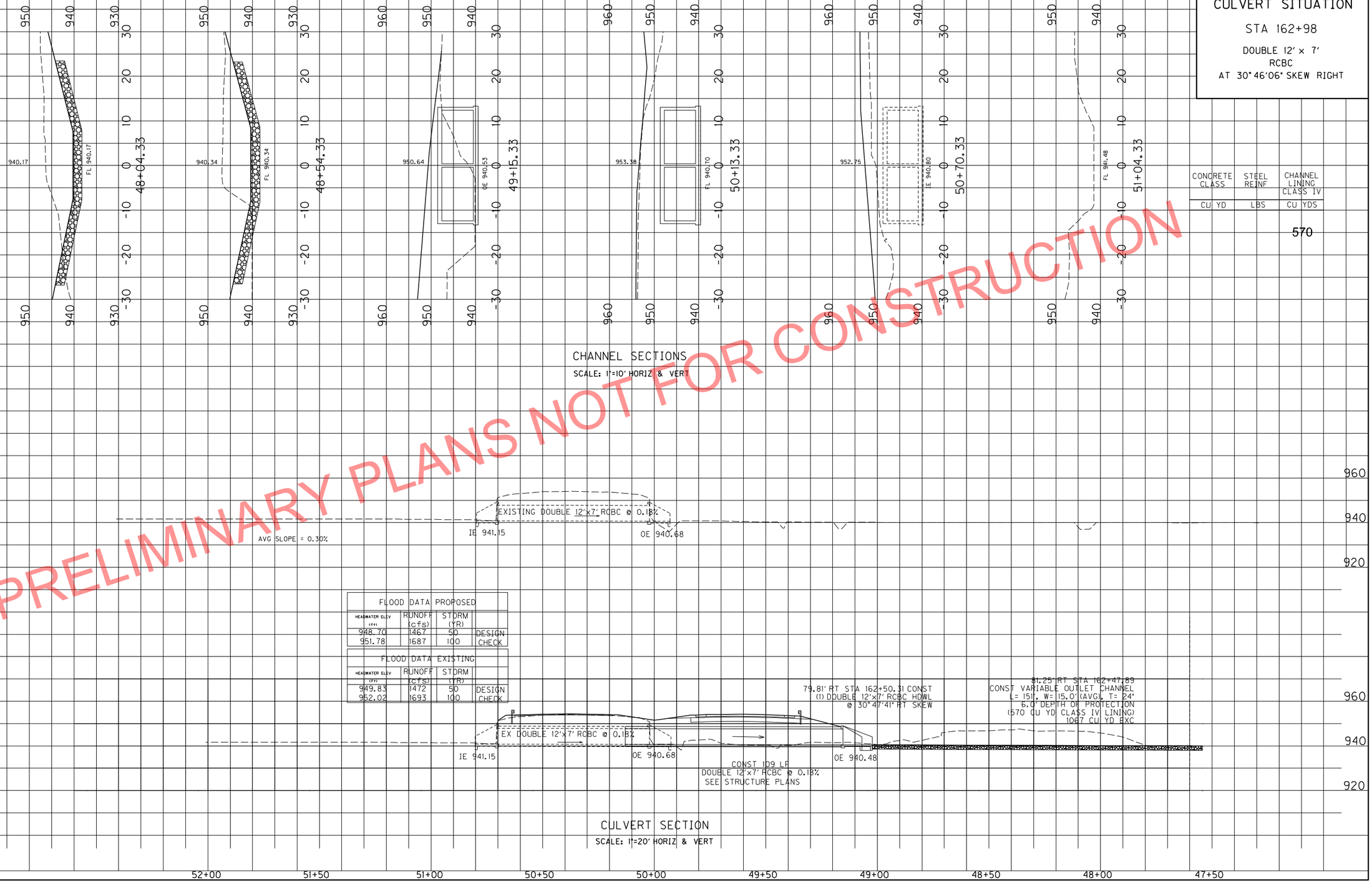
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE MORGAN | 10-126.70 | R205 |

# CULVERT SITUATION

STA 162+98

DOUBLE 12' x 7'
RCBC
AT 30°46'06" SKEW RIGHT

| CONCRETE CLASS | STEEL REINF | CHANNEL LINING CLASS IV |
|---|---|---|
| CU YD | LBS | CU YDS |
| | | 570 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| HEADWATER ELEV (ft) | RUNOFF (cfs) | STORM (YR) | |
| 948.70 | 1467 | 50 | DESIGN |
| 951.78 | 1687 | 100 | CHECK |

| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| HEADWATER ELEV (ft) | RUNOFF (cfs) | STORM (YR) | |
| 949.83 | 1472 | 50 | DESIGN |
| 952.02 | 1693 | 100 | CHECK |




FILE NAME: I:\LEX\PRJ\00000829B\DESIGN\PLAN SET\PIPE SECTIONS\R20500PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R20500PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 10 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE/ MORGAN | 10-126.70 | R206 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| | | | | | | | | 98 | | | | | | | | | | | | | 2 | | | | | | | | 106.5 |

FLOOD DATA EXISTING

| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV (FT) |
|---|---|---|---|
| DESIGN | 50 | 34.1 | 952.30 |
| CHECK | 100 | 38.4 | 952.56 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (CFS) | HEADWATER ELEV (FT) |
|---|---|---|---|
| DESIGN | 50 | 32.7 | 956.87 |
| CHECK | 100 | 36.8 | 957.12 |

94.44' LT STA 178+82.23 CONST
(1) 36" PIPE CULVERT HDWL
@ 0° SKEW

78' RT STA 178+84.74 CONST (1)
36" PIPE CULVERT HDWL
@ 0° SKEW.

EXISTING 36" RCP @ 1.44%

0.53%

FL 947.74

OE 947.90

OE 948.21

CONST 25 LF 36" RCP
@ 1.44%
EXTEND IN KIND

98.77' LT STA 178+82.17
CONST OUTLET CHANNEL
L= 30.0', W= 8.7', T= 24", D= 2.0'
(39.2 CU YD CLASS IV LINING)

FL 949.34

IE 949.38

CONNECTION COLLAR

CONST 73 LF 36" RCP @ 6.53%
EXTEND IN KIND

IE 954.11

82.93' RT STA 178+84.81
CONST INLET CHANNEL
L= 44.6', W= 8.7', T= 24", D= 3.0'
(67.3 CU YD CLASS IV LINING)
51 CU YD EXC

STA 178+83.6
0°49'53" SKEW LT

970
960
950
940

-150 -100 -50 0 50 100 150

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FLOOD DATA

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 5.08 | 955.48 |
| CHECK | 00 | 5.76 | 955.51 |

82.12' LT STA 170+50 CONST
(1) 18" PIPE CULVERT HEADWALL
@ 0° SKEW (SLOPED & FLARED)

STA 170+50 CONST
(1) DROP BOX INLET TYPE 5B
GRADE H=3.74'

TG 955.24

1.00%

FL 949.97

OE 950.22

CONST 81 LF 18" STORM SEWER PIPE @ 0.50%

FL 951.50

85.95' LT STA 170+50
CONST OUTLET CHANNEL
L= 26.0', W= 6.3', T= 24", D= 1.5'
(24.1 CU YD CLASS IV LINING)

STA 170+50
0° SKEW

1000
990
980
970
960
950
940

81 1 1 24.1

-150 -100 -50 0 50

SCALE: 1"= 10'

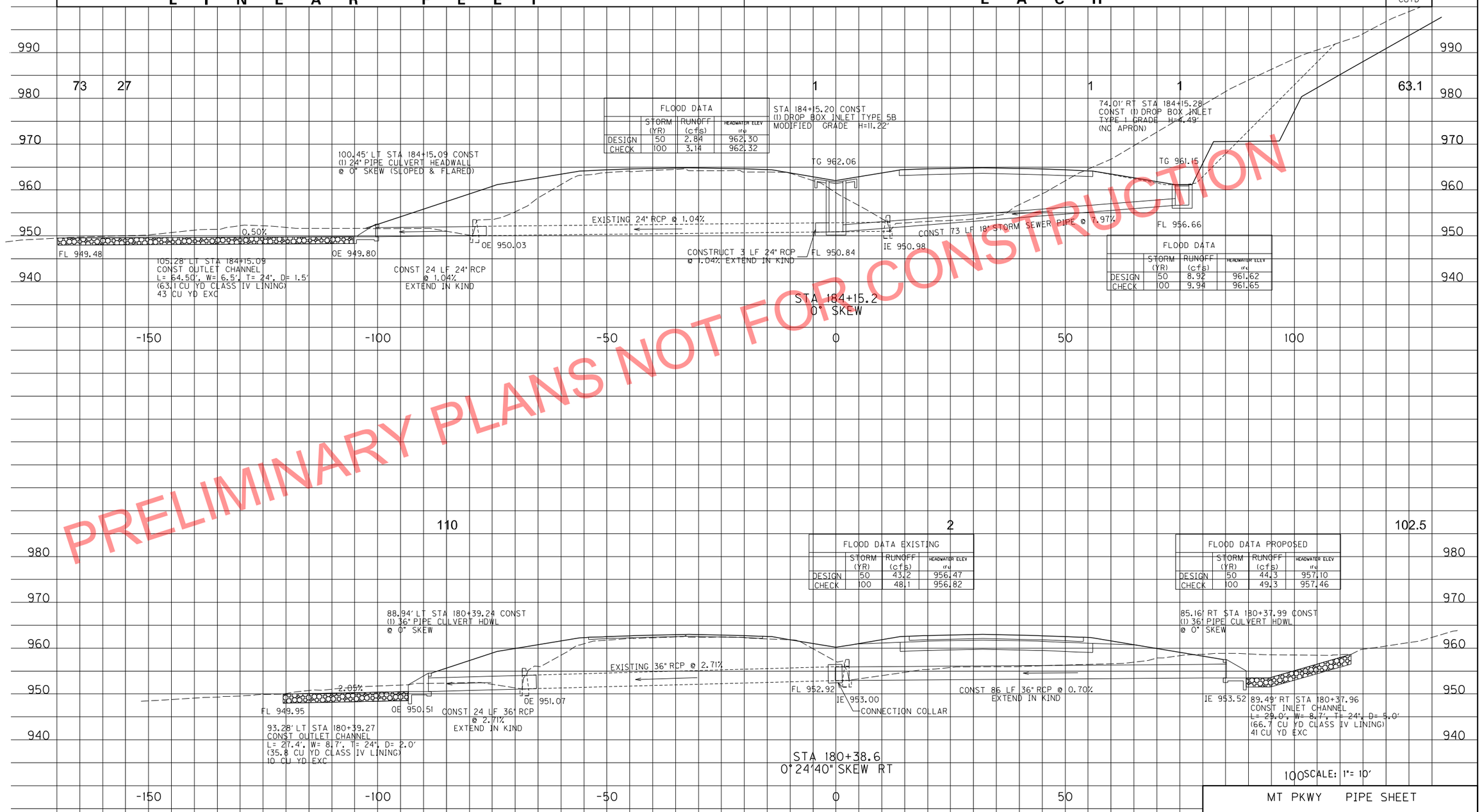
MT PKWY PIPE SHEET
STA 170+50 & STA 178+83.6

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R20600PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R20600PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 11 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R207 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 184 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| 73 | 27 | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | 1 | | | | 63.1 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

MT PKWY PIPE SHEET

STA 180+38.6 & STA 184+15.2

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R20700PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R20700PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 12 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R208 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| | | 169 | | | | | | | | | | | | | | | | 2 | | | | 1 | | | | | | 24.1 | |

980 970 960 950

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 1.49 | 962.83 |
| CHECK | 100 | 1.67 | 962.84 |

FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 50 | 31.5 | 957.73 |
| CHECK | 100 | 35.4 | 957.85 |

104.57' LT STA 195+14.74
CONST OUTLET CHANNEL
L= 30.0', W= 7.5', T= 24", D= 1.5'
(24.1 CU YD CLASS IV LINING)
30 CU YD EXC

96.65' LT STA 195+14.70 CONST
(1) 30" PIPE CULVERT HDWL
@ 0° SKEW

2.23%
6.72%
FL 952.52
FL 952.73
OE 954.18

71.18' LT STA 195+14.59
REMOVE EXISTING HDWL

OE 954.35

REMOVE 75 LF EXISTING 24" RCP
EXISTING 24" RCP @ 0.68%

CONST 94 LF
30" STORM SEWER PIPE
@ 0.68%

TG 962.72

1.59' LT STA 195+14.26 CONST
(1) DROP BOX INLET TYPE 5B
GRADE H=7.91'

FL 954.81
IE 954.86

3.80' RT STA 195+14.23
REMOVE EXISTING HDWL

CONST 75 LF 30"
STORM SEWER PIPE
@ 1.24%

82.65' RT STA 195+13.85
CONST INLET CHANNEL
L= 12.0', W= 7.5', T= 24", D= 4.0'
(7.0 CU YD CLASS IV LINING)

78.90' RT STA 195+13.87 CONST
(1) 30" PIPE CULVERT HDWL
@ 0° SKEW

FL 955.79

-150 -100 -50 0 50 100

STA 195+14.3
0°16'23" SKEW RT

PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 10'

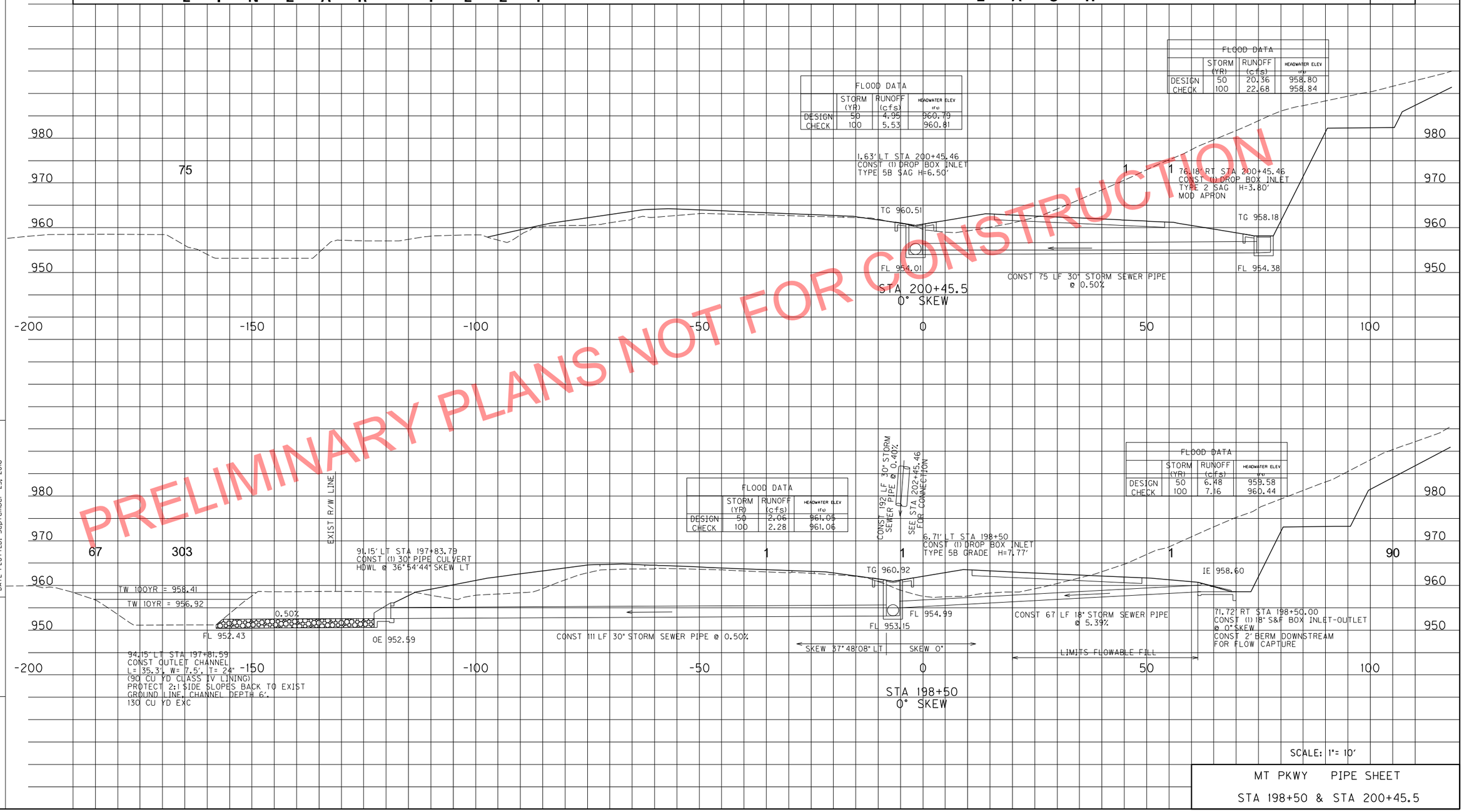
MT PKWY PIPE SHEET
STA 195+14.3

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R208OOPD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R208OOPD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 13 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R209 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | ENTRANCE PIPE | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 10'

MT PKWY PIPE SHEET

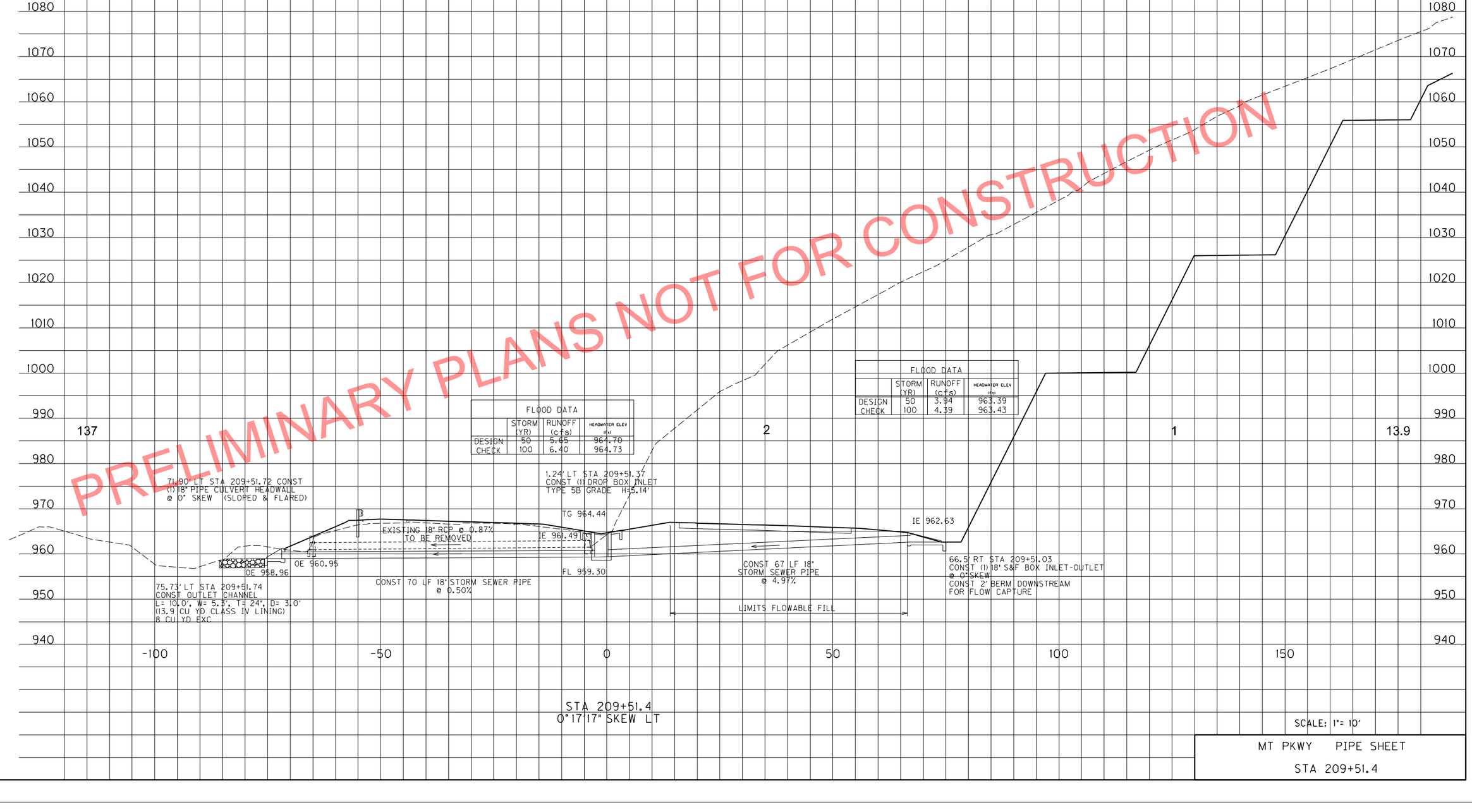
STA 198+50 & STA 200+45.5

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R20900PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R20900PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 14 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R210 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

STA 209+51.4
0°17'17" SKEW LT

SCALE: 1" = 10'

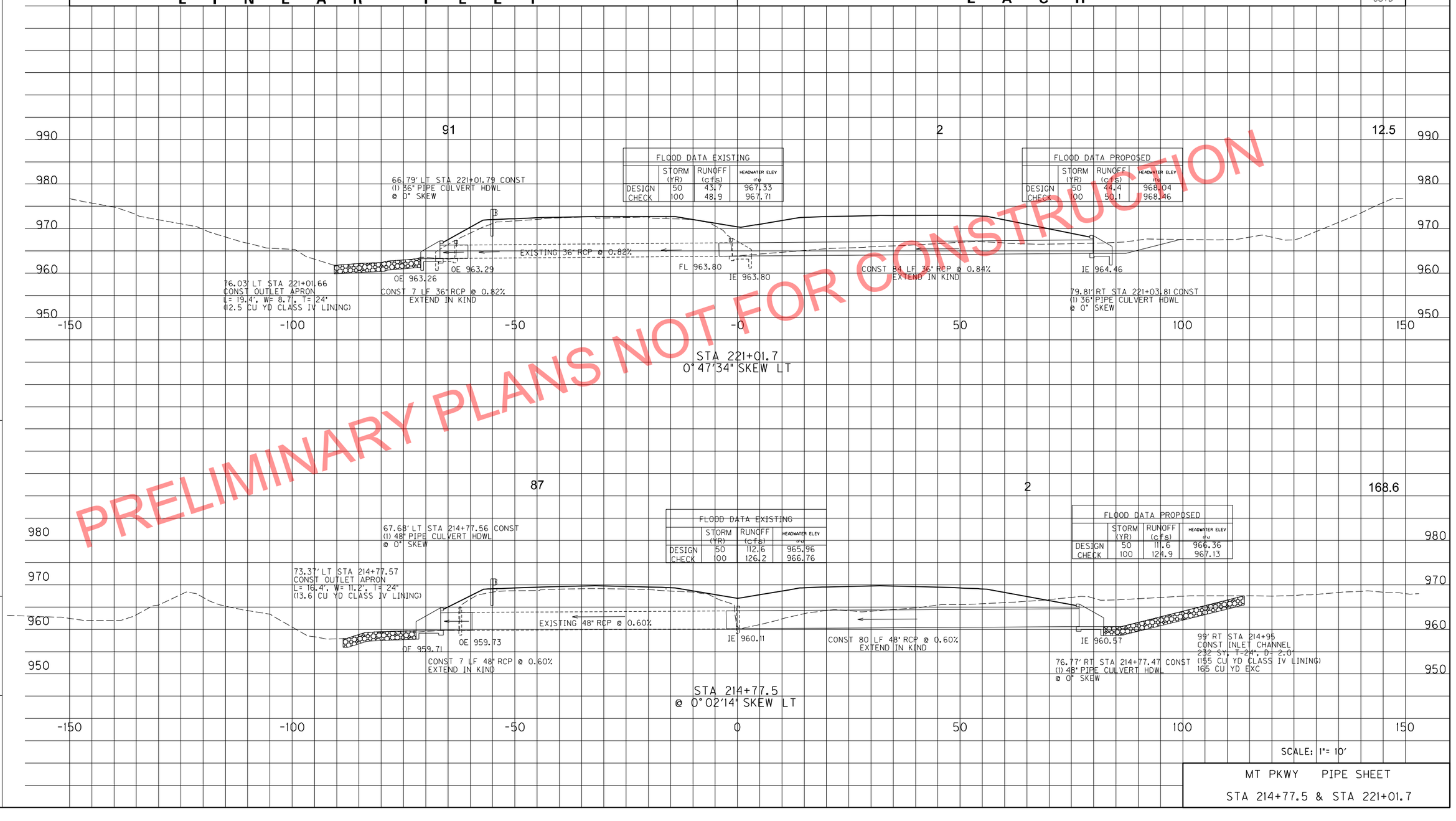
MT PKWY PIPE SHEET
STA 209+51.4

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21000PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R21000PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 15 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R211 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 30 IN18 | PIPE CULVERT HEADWALL 30 IN24 | PIPE CULVERT HEADWALL 30 IN27 | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1" = 10'

MT PKWY PIPE SHEET

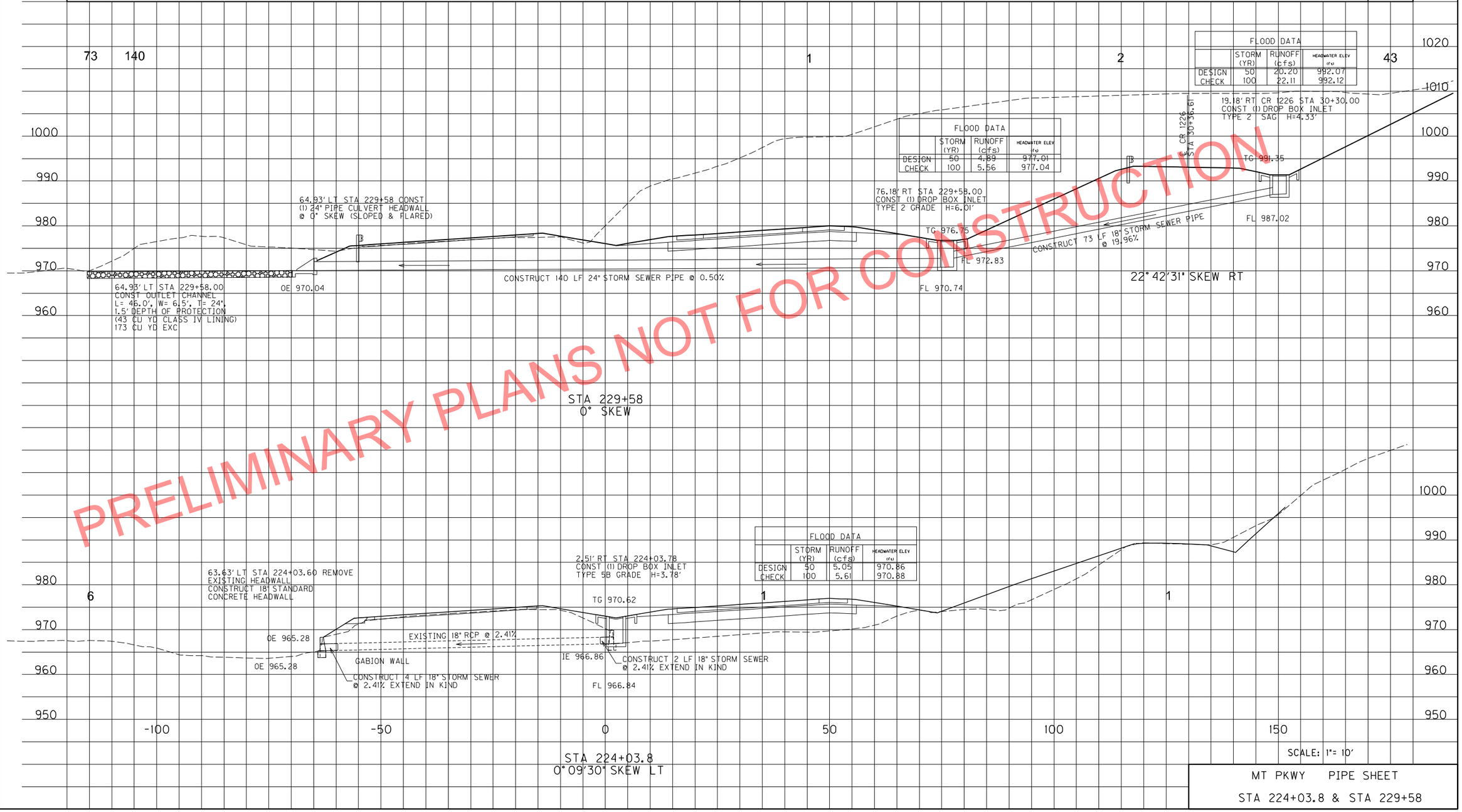
STA 214+77.5 & STA 221+01.7

FILE NAME: I:\LEX\PRJ\0000082980\DESIGN\PLAN SET\PIPE SECTIONS\R2100PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R2100PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 16 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R212 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| 73 | 140 | | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | | | | 43 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

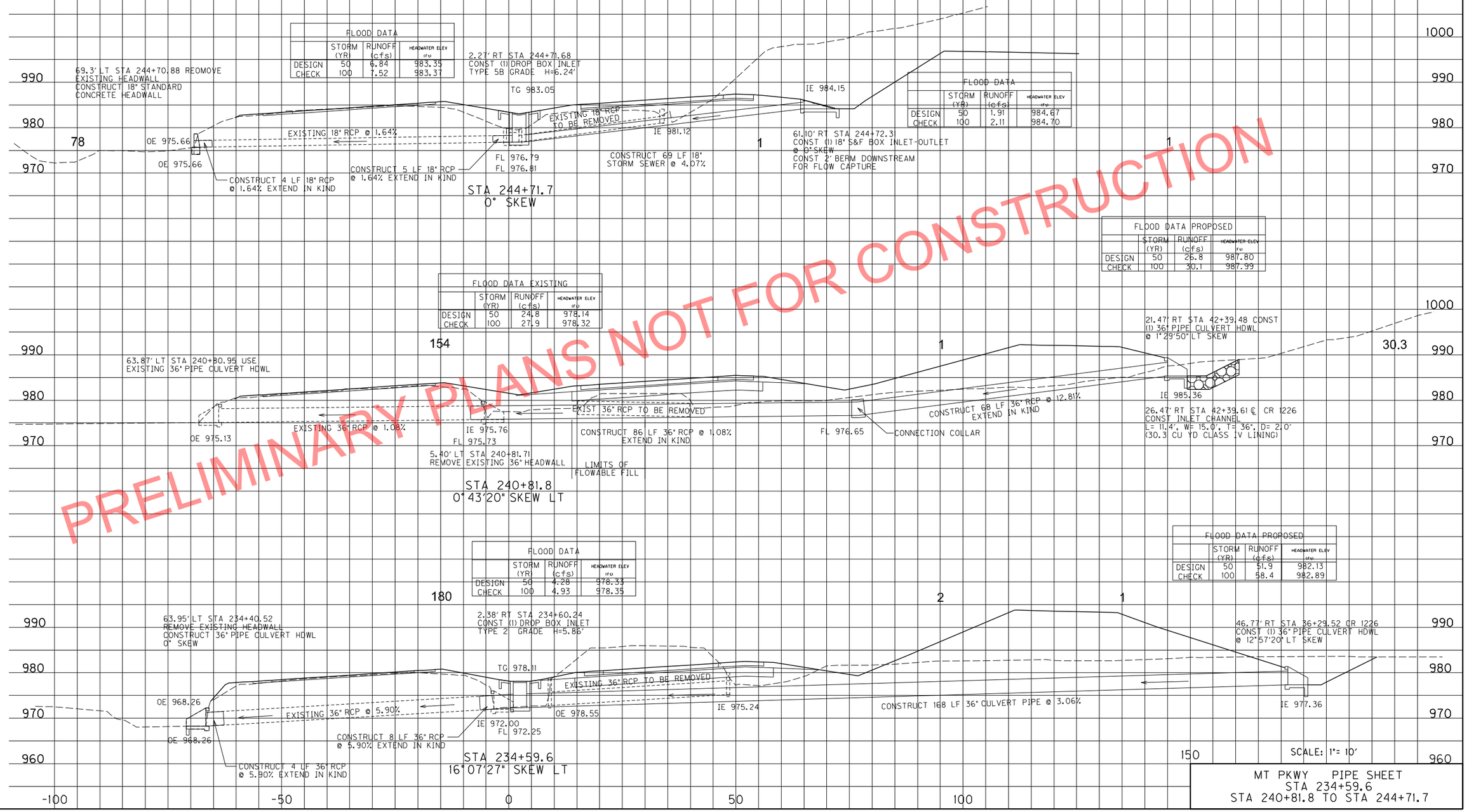
MT PKWY PIPE SHEET
STA 224+03.8 & STA 229+58

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21200PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R21200PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 17 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R213 |

| STORM SEWER PIPE | | | | | CULVERT PIPE | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

MT PKWY PIPE SHEET
STA 234+59.6
STA 240+81.8 TO STA 244+71.7

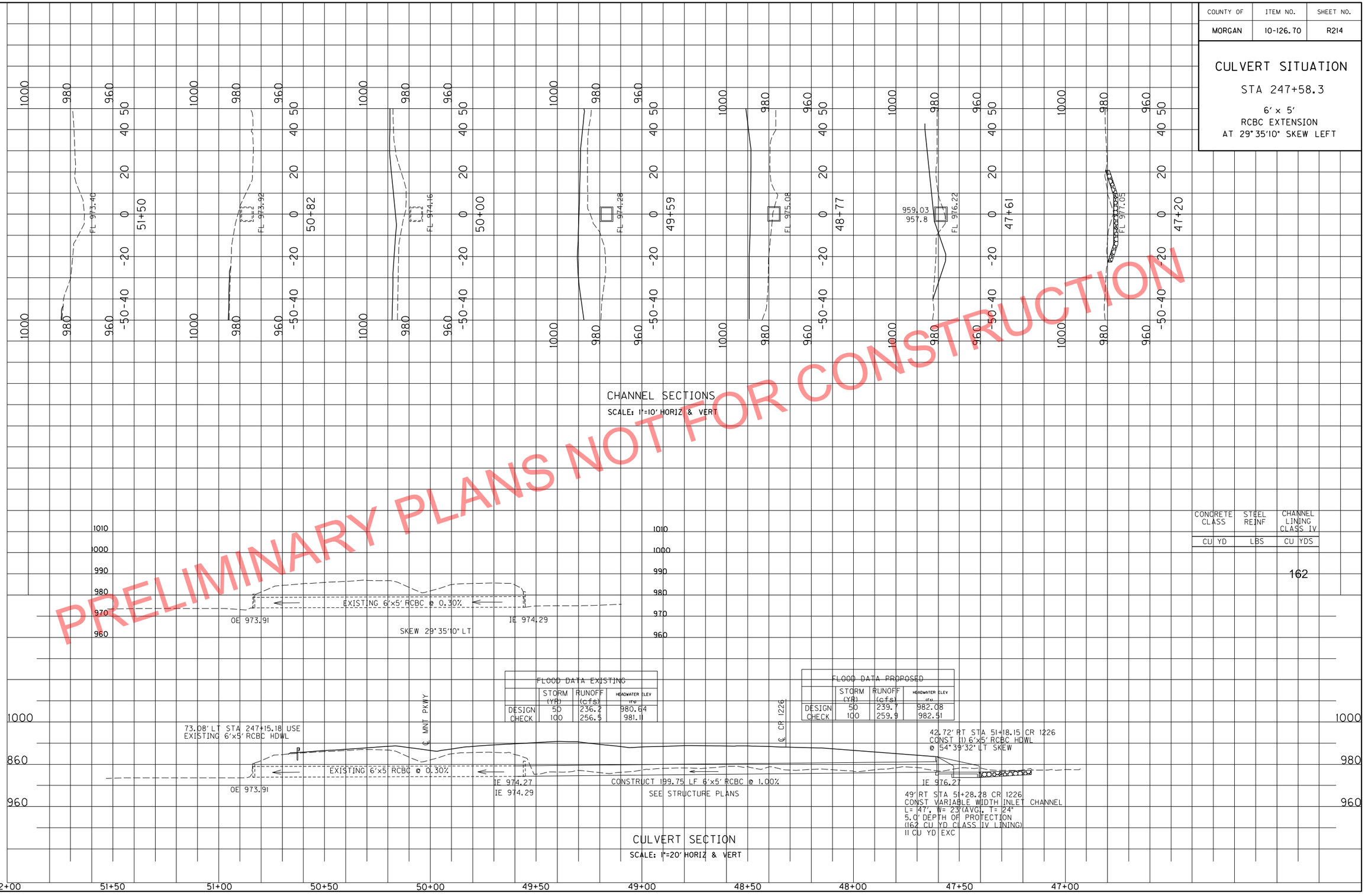
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21300PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R21300PD
MicroStation v8.11.9.832

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| MORGAN | 10-126.70 | R214 |

# CULVERT SITUATION

STA 247+58.3

6' x 5'
RCBC EXTENSION
AT 29°35'10" SKEW LEFT




| CONCRETE CLASS | STEEL REINF | CHANNEL LINING CLASS IV |
|---|---|---|
| CU YD | LBS | CU YDS |
| | | 162 |

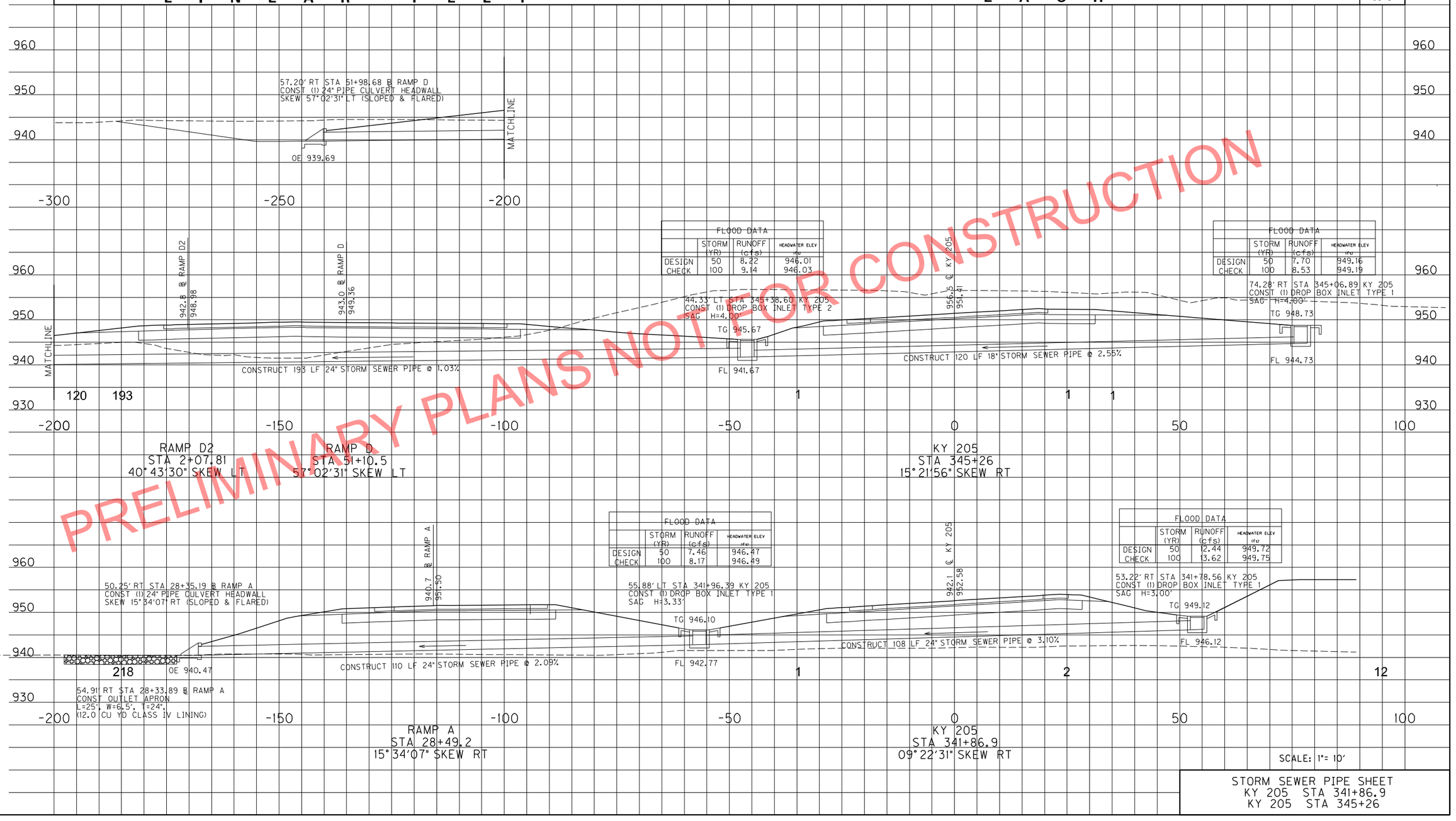
PRELIMINARY PLANS NOT FOR CONSTRUCTION

MicroStation v8.11.9.832
E-SHEET NAME: R21400PD
USER: jbrewer
DATE PLOTTED: September 23, 2016
FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21400PD.DGN

# PIPE DRAINAGE SHEET 19 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R215 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 10'

STORM SEWER PIPE SHEET
KY 205 STA 341+86.9
KY 205 STA 345+26

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21500PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R21500PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 20 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R216 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | 36 IN S&F INLET/OUTLET | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS 1V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | |
| L I N E A R F E E T | | | | | | | | | | | | | | | E A C H | | | | | | | | | | | | | CUYD |

53

1

48.83' LT STA 349+87.96 KY 205
CONST (1) 42" PIPE CULVERT HDWL
@ 10°24'52" LT SKEW

942.9 ℄ KY 205
951.28

CONST 53 LF 42" RCP
@ 1.80%
EXTEND IN KIND

OE 941.95

OE 942.85

FL 942.91

LIMITS OF FLOWABLE FILL

EXISTING 42" RCP @ 1.80%

IE 944.41

| FLOOD DATA EXISTING | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 25 | 66.9 | 948.66 |
| CHECK | 100 | 83.7 | 949.71 |

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 25 | 66.9 | 948.66 |
| CHECK | 100 | 83.7 | 949.71 |

960 950 940 930

-150 -100 -50 0 50 100

KY 205
STA 349+96.9
09°55'27" SKEW LT

93.26' LT STA 346+82.63 KY 205
CONST (1) 36" S&F INLET OUTLET
@ 23°33'15" RT SKEW

945.5 @ RAMP D2
949.49

946.1 ℄ KY 205
951.41

CONST 166 LF 36" CULVERT PIPE @ 1.63%

OE 940.19

| FLOOD DATA PROPOSED | | | |
|---|---|---|---|
| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
| DESIGN | 25 | 45.9 | 946.44 |
| CHECK | 100 | 56.7 | 948.42 |

PROPOSED 2' FB DITCH - RAMP C

IE 942.69

61.62' RT STA 346+19.60 KY 205
CONST (1) 36" S&F INLET OUTLET
@ 20°08'50" RT SKEW

960 950 940 930

166

2

-150 -100 -50 0 50 100 150

RAMP D2
STA 1+29.9
24°31'58" SKEW LT

KY 205
STA 346+42.3
21°22'27" SKEW RT

SCALE: 1"= 10'

MT PKWY PIPE SHEET
KY 205 STA 346+27.7
KY 205 STA 349+96.9

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21600PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R21600PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 21 of 23

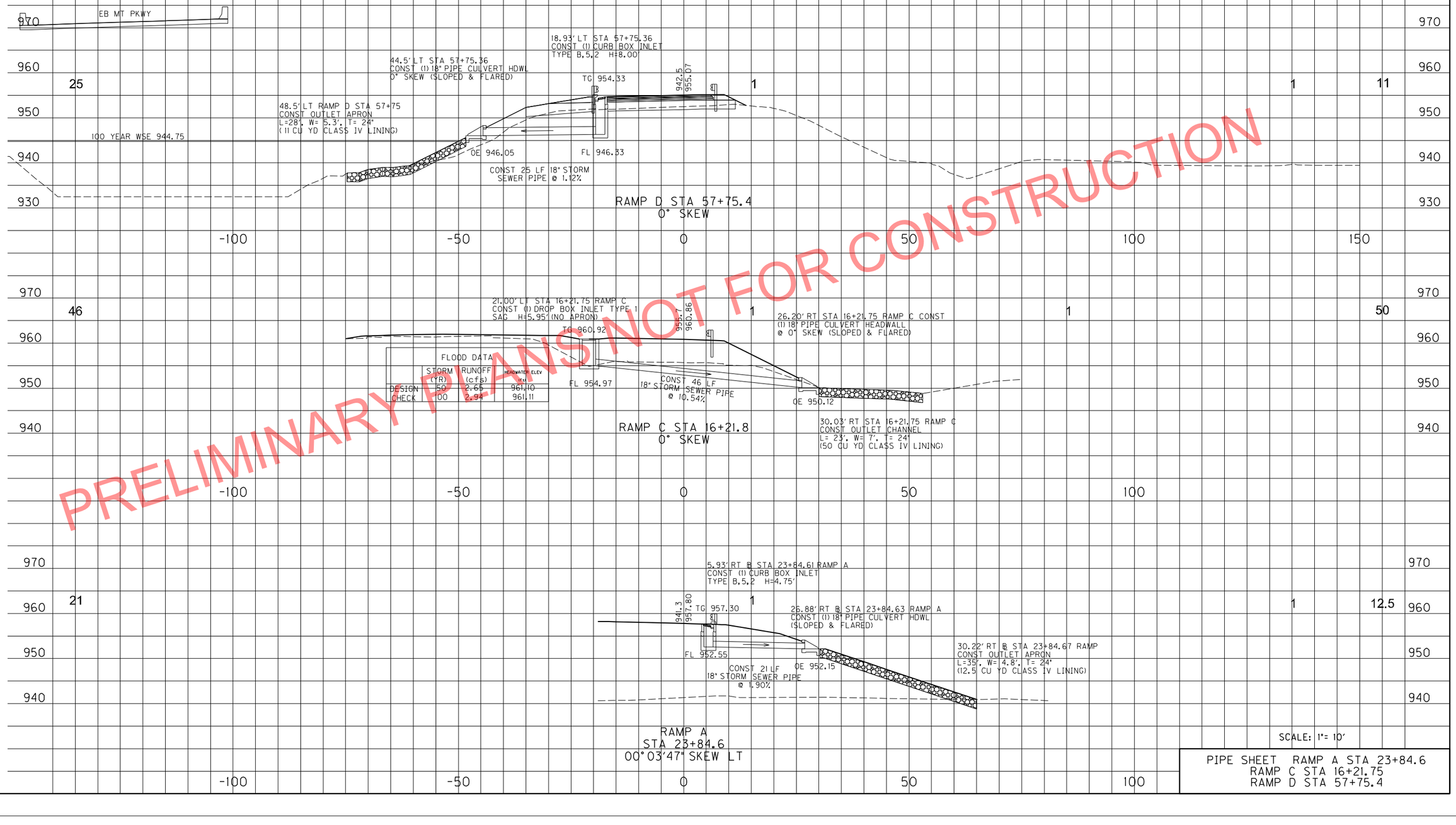
| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R217 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 35 | | | 2 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

# PIPE DRAINAGE SHEET 22 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R218 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| 25 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | 11 |
| 46 | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | 50 |
| 21 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | 12.5 |




PRELIMINARY PLANS NOT FOR CONSTRUCTION

SCALE: 1"= 10'

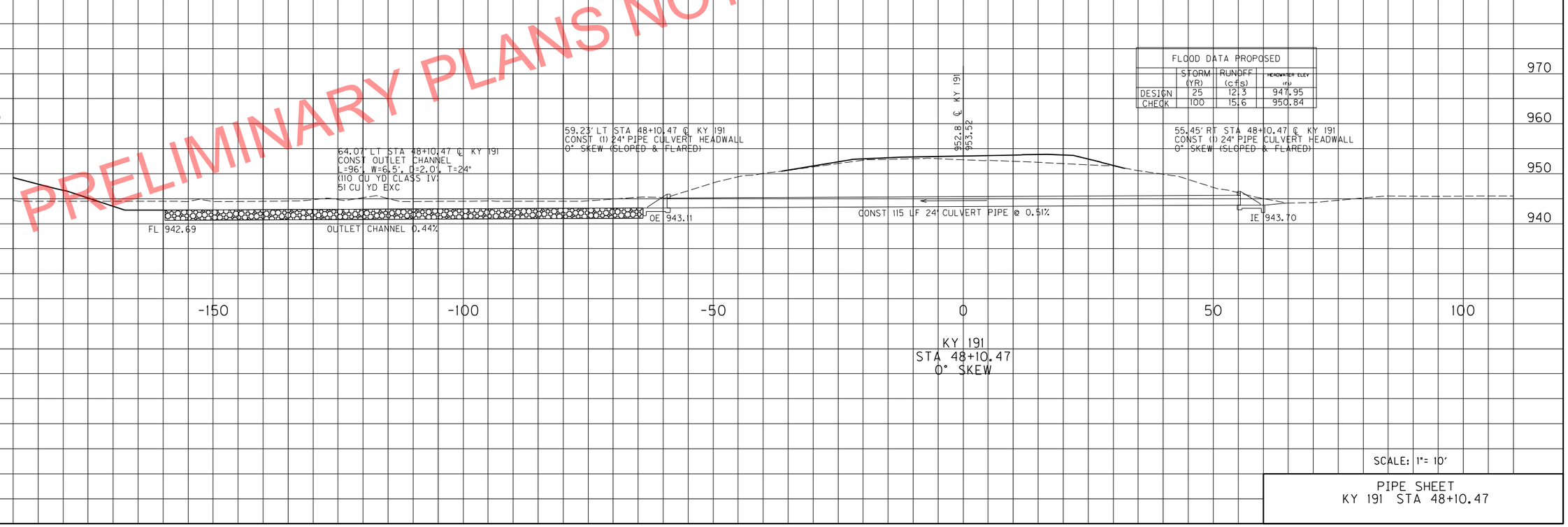
PIPE SHEET RAMP A STA 23+84.6
RAMP C STA 16+21.75
RAMP D STA 57+75.4

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21800PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R21800PD
MicroStation v8.11.9.832

# PIPE DRAINAGE SHEET 23 of 23

| COUNTY OF | ITEM NO. | SHEET NO. |
|---|---|---|
| WOLFE | 10-126.70 | R219 |

| STORM SEWER PIPE | | | | | | CULVERT PIPE | | | | | | ENTRANCE PIPE | | | PIPE CULVERT HEADWALL 18 IN | PIPE CULVERT HEADWALL 24 IN | PIPE CULVERT HEADWALL 27 IN | PIPE CULVERT HEADWALL 30 IN | PIPE CULVERT HEADWALL 36 IN | PIPE CULVERT HEADWALL 42 IN | PIPE CULVERT HEADWALL 48 IN | DROP BOX INLET TYPE 1 | DROP BOX INLET TYPE 2 | DROP BOX INLET TYPE 5B | DROP BOX INLET TYPE 7 | DROP BOX INLET TYPE 10 | CURB BOX INLET TYPE B | JUNCTION BOX 18 IN | CHANNEL LINING CLASS IV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 IN | 24 IN | 30 IN | 18 IN EQUIV | 24 IN EQUIV | | 24 IN | 27 IN | 36 IN | 42 IN | 48 IN | | 18 IN | 24 IN | 30 IN | | | | | | | | | | | | | | | |
| LINEAR FEET | | | | | | | | | | | | | | | EACH | | | | | | | | | | | | | | CUYD |
| | | | | | | 115 | | | | | | | | | | 2 | | | | | | | | | | | | | 110 |




FLOOD DATA PROPOSED

| | STORM (YR) | RUNOFF (cfs) | HEADWATER ELEV (ft) |
|---|---|---|---|
| DESIGN | 25 | 12.3 | 947.95 |
| CHECK | 100 | 15.6 | 950.84 |

SCALE: 1"= 10'

PIPE SHEET
KY 191 STA 48+10.47

PRELIMINARY PLANS NOT FOR CONSTRUCTION

FILE NAME: I:\LEX\PRJ\0000008298\DESIGN\PLAN SET\PIPE SECTIONS\R21900PD.DGN
USER: BCOOMES
DATE PLOTTED: September 23, 2016
E-SHEET NAME: R21900PD
MicroStation v8.11.9.832