

| SECTION | COUNTY | SHEETS | SHEET NO. |
|-----------------------------------|--------|--------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 1 |
| FAS ROUTE 819 PAPERTOWN ROAD | | | |
| ILLINOIS PROJECT NO. RS-0819(133) | | | |
| CONTRACT NO. 95632 | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR
PROPOSED LOCAL AGENCY IMPROVEMENT
STR FUNDS
FAS 819
Papertown Road
SECTION 08-00119-00-FP
WAYNE COUNTY PROJECT RS-0819(133)
C-97-092-10

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|--------------------------------------|
| 1 | COVER SHEET |
| 2 | GENERAL NOTES, DETAILS AND SCHEDULES |
| 3-17 | PLAN - PROFILE SHEETS |
| 18-23 | ROADWAY CROSS SECTIONS |

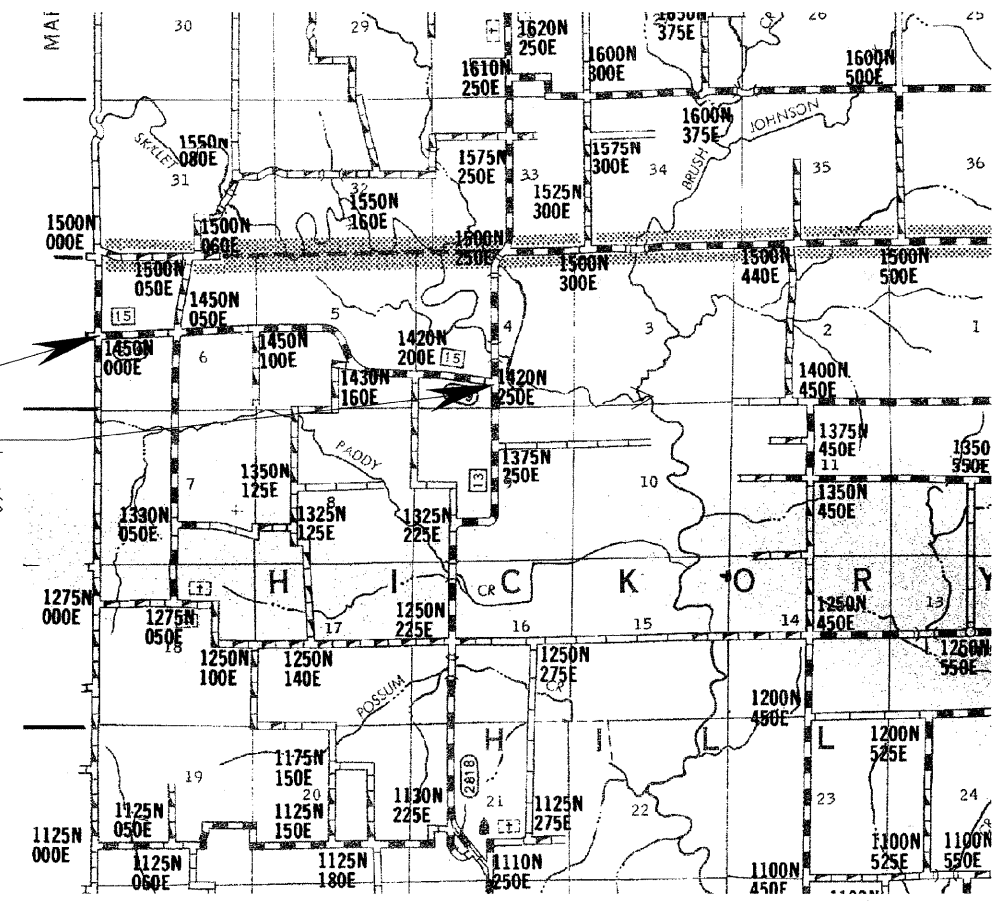
SUMMARY OF QUANTITIES

| QUANTITY | UNIT | ITEM | CODE NO. |
|----------|----------|--|----------|
| 8 | UNIT | SHAPING ROADWAY | LR212000 |
| 1164 | CU YD | EARTH EXCAVATION | 20200100 |
| 1220 | CU YD | FURNISHED EXCAVATION | 20400800 |
| 0.90 | ACRE | SEEDING, CLASS 2 (SPECIAL) | 25001000 |
| 97 | TON | STONE DUMPED RIPRAP, CLASS A4 | 28100807 |
| 38,406 | SQ YD | PROCESSING SOIL-CEMENT BASE COURSE 8" | 35200300 |
| 21,507 | 100 WT | CEMENT | 35200500 |
| 1,467 | TON | AGGREGATE SURFACE COURSE, TYPE B | 40200800 |
| 19,200 | GALLON | BITUMINOUS MATERIALS (COVER AND SEAL COATS) | 40300300 |
| 480 | TON | COVER COAT AGGREGATE | 40300500 |
| 480 | TON | SEAL COAT AGGREGATE | 40300600 |
| 56 | FOOT | PIPE CULVERTS, CLASS A, TYPE 2, 48" | 542A1093 |
| 360 | FOOT | PIPE CULVERTS, CLASS D, TYPE 1 15" | 542D0220 |
| 110 | FOOT | PIPE CULVERTS, CLASS D, TYPE 1 24" | 542D0229 |
| 40 | FOOT | PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 18" | 542A5473 |
| 136 | FOOT | PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 24" | 542A5479 |
| 216 | FOOT | PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 30" | 542A5485 |
| 200 | FOOT | PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 36" | 542A5491 |
| 2 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" | 54213693 |
| 2 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS- ELLIPTICAL, EQUIVALENT ROUND-SIZE 18" | 54214713 |
| 4 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS- ELLIPTICAL, EQUIVALENT ROUND-SIZE 24" | 54214719 |
| 8 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS- ELLIPTICAL, EQUIVALENT ROUND-SIZE 30" | 54214725 |
| 8 | EACH | PRECAST REINFORCED CONCRETE FLARED END SECTIONS- ELLIPTICAL, EQUIVALENT ROUND-SIZE 36" | 54214731 |
| 70 | FOOT | INSERTION CULVERT LINER 15" | 54390120 |
| 179 | CU YD | CONTROLLED LOW-STRENGTH MATERIAL | 59300100 |
| 3 | CAL MO | ENGINEERS FIELD LABORATORY | 67000600 |
| 1 | LUMP SUM | MOBILIZATION | 67100100 |
| 1 | L SUM | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | 70100450 |
| 1 | L SUM | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21 | 70101830 |
| 1 | L SUM | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22 | 70101835 |

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 23.

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 542301-02 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542306-02 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
- 701006-03 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701201-03 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701301-03 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701901-01 TRAFFIC CONTROL DEVICES
- BLR 21-8 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- BLR 22-6 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

SECTION 08-00119-00-FP
BEGINS STA. 0+00.00
ENDS STA. 141+73.70



SCALES

- PLAN & PROFILE
HORIZONTAL
- PROFILE
VERTICAL
- CROSS
SECTION

BEFORE DIGGING IN ILLINOIS
...CALL JULIE FIRST AT 1-800-892-0123

WESTERN WAYNE WATER DISTRICT
CONTACT: ROGER JOHNSON
1-618-895-2813 (OFFICE)
838-3655 (CELL)
838-9511 (PAGER)

WABASH TELEPHONE COOP., INC.
CONTACT: JEFF WILLIAMS
1-618-665-3311 (OFFICE)
1-618-665-4188 (FAX)

WAYNE / WHITE ELECTRIC
CONTACT: AARON HAWLEY
1-618-842-2196

FUNCTIONAL CLASS:

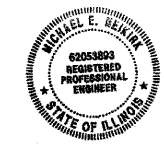
MAJOR COLLECTOR - RURAL
ADT = 275
DESIGN SPEED = 50 MPH

CONTRACT NO. 95632

| | | | | |
|--------------|---------|------|-------|-------|
| GROSS LENGTH | 14173.7 | FEET | 2.684 | MILES |
| OMISSIONS | 0 | FEET | 0 | MILES |
| NET LENGTH | 14173.7 | FEET | 2.684 | MILES |

R 5 E
NOT TO SCALE

Michael E. Reinhard
ILL. REG. PROF. ENGINEER



062-053893
REG. NO.
EXPIRES: 11-30-2010
NEIKIRK ENGINEERING, LLC
306 NORTH MARKET STREET
MT. CARMEL, ILLINOIS 62863

4-6-2010
DATE

APPROVED: APRIL 23 20 10
Arthur J. Kowalski
COUNTY ENGINEER

PASSED: April 26 20 10
Manuel Kautz
DISTRICT 7 ENGINEER OF LOCAL ROADS & STREETS

Releasing For
Bid Based on
Limited Review: April 26 20 10
Fogor & Orsheloff

DEPUTY DIRECTOR OF HIGHWAYS,
REGION FOUR ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROAD CULVERTS / "CLSM" / AGGREGATE SURFACE CSE. TY. B

| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 2 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| GENERAL NOTES & DETAILS | | | |

| CENTER LOCATION BY STATION | COMMENTS | RCCP CULVERT REQUIRED (FT) | | | | | RCCP END SECTIONS REQUIRED (EACH) | | | | | CLSM | AGG. SURF. | INSERTION |
|----------------------------|------------------|----------------------------|--------|--------|--------|-----------|-----------------------------------|--------|--------|--------|-----------|----------|------------|---------------|
| | | TYPE 1 | | TYPE 2 | | | TYPE 1 | | TYPE 2 | | | REQUIRED | CSE. TY B | CULVERT LINER |
| | | 18" EQ | 24" EQ | 30" EQ | 36" EQ | 48" ROUND | 18" EQ | 24" EQ | 30" EQ | 36" EQ | 48" ROUND | (CU.YD.) | (TON) | 15" ROUND |
| 0+03.5 | NO REPLACEMENT | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2+69 | SINGLE CULVERT | - | - | 48' | - | - | - | - | 2 | - | - | 16 | 6 | - |
| 13+89 | SINGLE CULVERT | 40' | - | - | - | - | 2 | - | - | - | - | 4 | 4 | - |
| 23+62 | SINGLE CULVERT | - | - | - | 48' | - | - | - | - | 2 | - | 9 | 6 | - |
| 26+56 | SINGLE CULVERT | - | - | - | 48' | - | - | - | - | 2 | - | 15 | 6 | - |
| 28+03 | SINGLE CULVERT | - | - | - | 48' | - | - | - | - | 2 | - | 10 | 6 | - |
| 40+82 | SINGLE CULVERT | - | 48' | - | - | - | - | 2 | - | - | - | 12 | 5 | - |
| 61+17 | SINGLE CULVERT | - | - | 48' | - | - | - | - | 2 | - | - | 12 | 5 | - |
| 70+80 | SINGLE CULVERT | - | 48' | - | - | - | - | 2 | - | - | - | 12 | 6 | 70 |
| 78+68 | INSERTION LINING | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 85+20 | SINGLE CULVERT | - | - | - | - | 56' | - | - | - | - | 2 | 25 | 7 | - |
| 109+15 | SINGLE CULVERT | - | - | - | 56' | - | - | - | - | 2 | - | 27 | 6 | - |
| 113+58 | SINGLE CULVERT | - | - | 48' | - | - | - | - | 2 | - | - | 12 | 5 | - |
| 137+85 | SINGLE CULVERT | - | - | 40' | - | - | - | - | 2 | - | - | 10 | 5 | - |
| TOTALS | | 40' | 96' | 184' | 200' | 56' | 2 | 4 | 8 | 8 | 2 | 164 | 67 | 70 |

SHAPING ROADWAY SCHEDULE OF SHAPING ROADWAY (LR 212000)

| BEGIN STA. | END STA. | FEET | UNITS |
|------------|----------|------|-------|
| 70+00 | 74+00 | 400 | 4 |
| 101+00 | 105+00 | 400 | 4 |
| TOTALS | | 800 | 8 |

FIELD ENTRANCE & PRIVATE ENTRANCE SCHEDULE

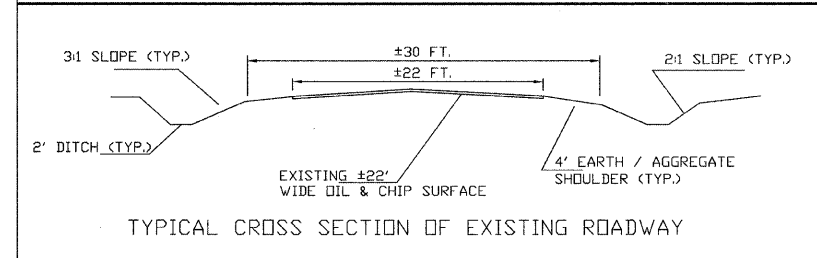
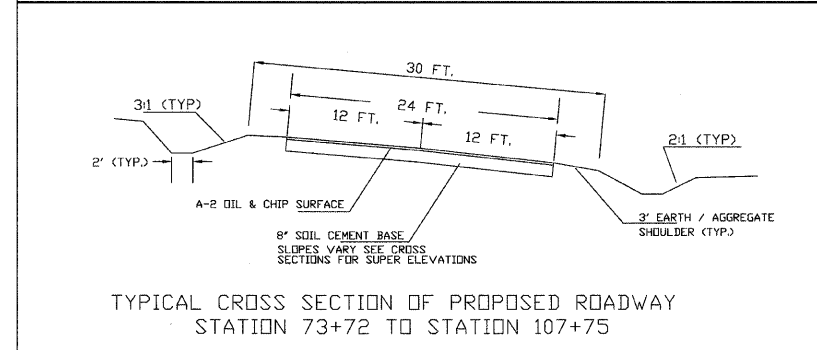
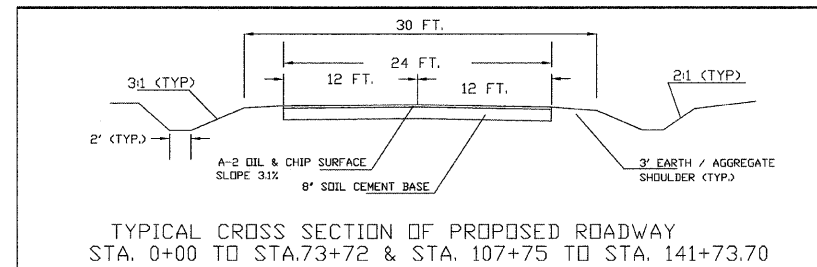
| STATION/LOCATION | FIELD/PRIVATE | PIPE CULVERTS, CLASS D, TYPE 1 | | AGG. SURF. |
|------------------|---------------|--------------------------------|----------|------------------|
| | | 15" | 24" | CSE. TY B (TONS) |
| 13+23 RT. | FIELD | 30' | - | - |
| 31+84 LT. | FIELD | 30' | - | - |
| 40+13 LT. | FIELD | 30' | - | - |
| 40+18 RT. | FIELD | 30' | - | - |
| 52+89 LT. | PRIVATE | 30' | - | 7 |
| 101+14 RT. | FIELD | 30' | - | - |
| 109+82 RT. | FIELD | 30' | - | - |
| 114+45 LT. | FIELD | 30' | - | - |
| 115+33 LT. | FIELD | 30' | - | - |
| 121+32 RT. | FIELD | 30' | - | - |
| 128+46 RT. | FIELD | 30' | - | - |
| 134+66 LT. | PRIVATE | - | 40' | 9 |
| 135+51 LT. | PRIVATE | - | 40' | 9 |
| 138+00 LT. | FIELD | - | 30' | - |
| 138+72 RT. | FIELD | 30' | - | - |
| TOTALS | | 360 FEET | 110 FEET | 25 TON |

RIPRAP SCHEDULE

STONE DUMPED RIPRAP, CLASS A4 28100807

| CENTER LOCATION BY STATION | LOCATION LT OR RT | COMMENTS | RIPRAP TONS ALLOWED |
|----------------------------|-------------------|-----------------------------------|---------------------|
| 0+03.5 | RT | 36" EQ. CULVERT WITH END SECTIONS | 8 |
| 23+62 | LT | 36" EQ. CULVERT WITH END SECTIONS | 10 |
| 23+62 | RT | 36" EQ. CULVERT WITH END SECTIONS | 15 |
| 26+56 | LT | 36" EQ. CULVERT WITH END SECTIONS | 8 |
| 28+03 | LT | 36" EQ. CULVERT WITH END SECTIONS | 8 |
| 28+03 | LT | 36" EQ. CULVERT WITH END SECTIONS | 8 |
| 40+82 | RT | 24" EQ. CULVERT WITH END SECTIONS | 10 |
| 61+17 | LT | 30" EQ. CULVERT WITH END SECTIONS | 10 |
| 109+15 | LT | 36" EQ. CULVERT WITH END SECTIONS | 10 |
| 137+85 | LT | 30" EQ. CULVERT WITH END SECTIONS | 10 |
| TOTALS | | | 97 |

EARTH WORK SCHEDULE
 2180 CU. YD. OF FILL
 1164 CU. YD. OF CUT
 1016 CU. YD. x 1.20 = 1220 CU. YD.
 FURNISHED EXCAVATION



"CLSM" / AGGREGATE SURFACE CSE. TY. B

| STATION/LOCATION | EXISTING SR CULVERT | PIPE CULVERTS, TYPE 1, RCCP ELLIPTICAL, EQ. ROUND-SIZE | | "CLSM" | AGG. SURF. |
|----------------------|---------------------|--|---------|-----------|------------------|
| | | 24" EQ. | 30" EQ. | (CU. YD.) | CSE. TY B (TONS) |
| STA 0+21 (30' RT.) | 30"x30' CMP | - | 32' | 9 | 5 |
| STA 114+66 (24' RT.) | 24"x36' CMP | 40' | - | 6 | 5 |
| TOTALS | | 40' | 32' | 15 | 10 |

GENERAL NOTES

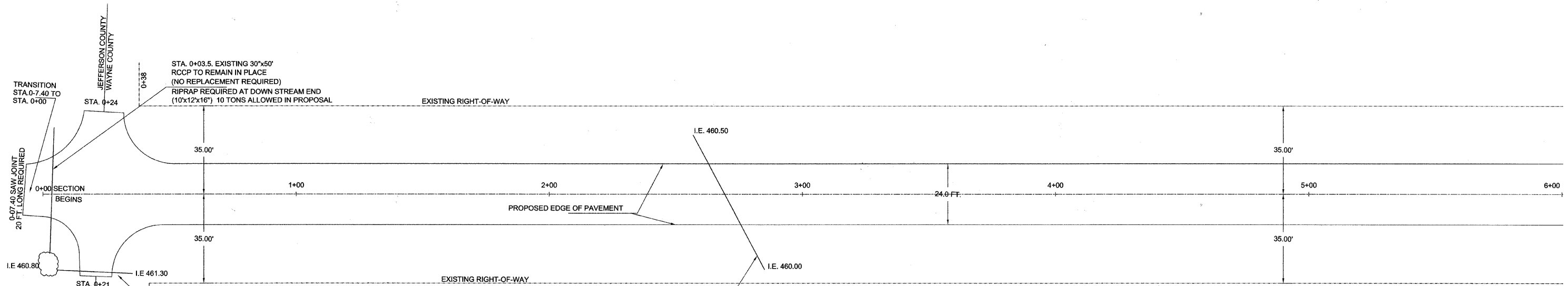
THIS SECTION CONSISTS OF THE CONSTRUCTION OF A 24 FOOT WIDE SOIL-CEMENT BASE COURSE, 8" THICK AND A 24 FOOT WIDE, CLASS A-2 BITUMINOUS SURFACE TREATMENT ALONG THE ENTIRE LENGTH OF THE PROJECT AS WELL AS THE REPLACEMENT OF VARIOUS SUBSTANDARD DRAINAGE STRUCTURES. THE OVERALL GRADE OF THE EXISTING ROAD AND DITCHES WILL NOT BE CHANGED. ALL OF THE WORK REQUIRED BY THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S DESIGN REQUIREMENTS FOR LOCAL ROADS AT THE TIME OF THEIR INITIAL CONSTRUCTION. THE ORIGINAL PLANS ARE ON FILE AND ARE AVAILABLE FOR INSPECTION AT THE WAYNE COUNTY HIGHWAY DEPARTMENT IN FAIRFIELD, ILLINOIS.

PROCESSING SOIL CEMENT BASE COURSE 8" AND CEMENT SCHEDULE

| STATION - STATION | LOCATION | DESCRIPTION | PROCESSING (SQ. YD.) |
|-------------------|--------------|--------------|----------------------|
| 0+22.5 | CENTERLINE | INTERSECTION | 192.7 |
| 26+75.1 | RIGHT | INTERSECTION | 88.5 |
| 26+88.2 | LEFT | INTERSECTION | 91.2 |
| 53+50.7 | RIGHT | INTERSECTION | 82.8 |
| 95+47 | RIGHT | INTERSECTION | 140.1 |
| 114+66 | RIGHT | INTERSECTION | 71.0 |
| 141+73.7 | LEFT & RIGHT | RADII | 28.6 |
| 0+31.9 - 141+73.7 | CENTERLINE | 24' ROADWAY | 37,711.5 |
| TOTALS | | | 38,406 SQ. YD. |

| | | | |
|------------------|--------|--------------|-----------|
| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 08-00119-00-FP | WAYNE | 23 | 3 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN SHEET | | | |



TRANSITION STA. 0+7.40 TO STA. 0+00

0-07.40 SAW JOINT 20 FT. LONG REQUIRED

JEFFERSON COUNTY WAYNE COUNTY

STA. 0+24

0+38

STA. 0+03.5. EXISTING 30"x50' RCCP TO REMAIN IN PLACE (NO REPLACEMENT REQUIRED) RIPRAP REQUIRED AT DOWN STREAM END (10"x12"x16") 10 TONS ALLOWED IN PROPOSAL

EXISTING RIGHT-OF-WAY

35.00'

0+00 SECTION BEGINS

1+00

2+00

3+00

4+00

5+00

6+00

PROPOSED EDGE OF PAVEMENT

24.0 FT.

I.E. 460.80

STA. 0+21

I.E. 461.30

JEFFERSON COUNTY WAYNE COUNTY

0+42

STA. 0+21.55 RT. EXISTING 30"x30' CMP TO BE REMOVED (NO SALVAGE REQUIRED) 30" EQ. CLASS A, TYPE 1 32' LONG, REQUIRED 9 C.Y. "CLSM" REQUIRED

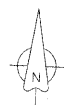
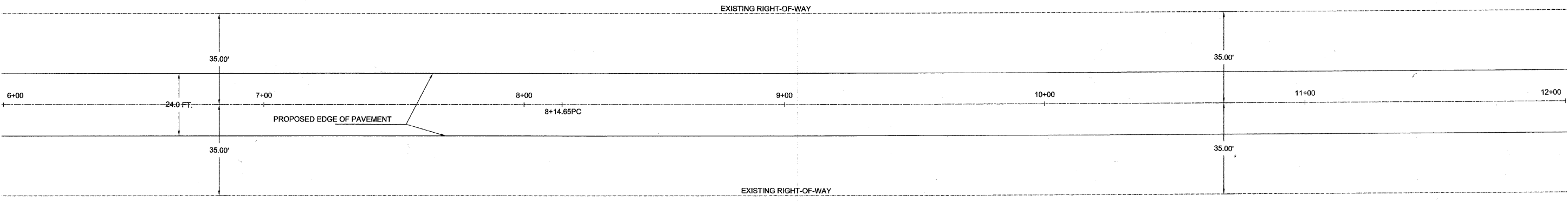
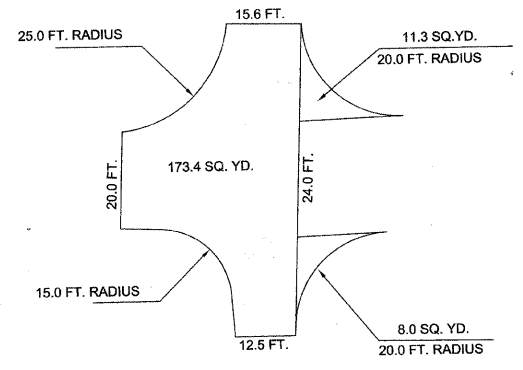
I.E. 460.50

I.E. 460.00

STA. 2+69 EXISTING 30"x60' CMP TO BE REMOVED (NO SALVAGE REQUIRED) 30" EQ. CLASS A, TYPE 1 48' LONG, WITH PRECAST CONCRETE FLARED END SECTIONS REQUIRED SKEW 28" RT. FORWARD 16 C.Y. "CLSM" REQUIRED

DITCH TO THE SOUTH DOES NOT DRAIN. CLEANING OF EXISTING DITCH BY OTHERS.

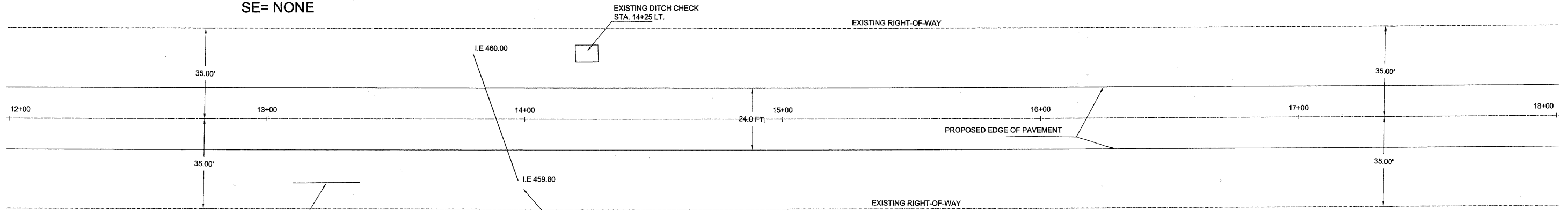
**STA. 0+22.5
PROCESSING SOIL CEMENT QUANTITIES**



| | | | |
|------------------|--------|--------------|-----------|
| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 08-00119-00-FP | WAYNE | 23 | 4 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN SHEET | | | |

P.I. STA. 13+14.9

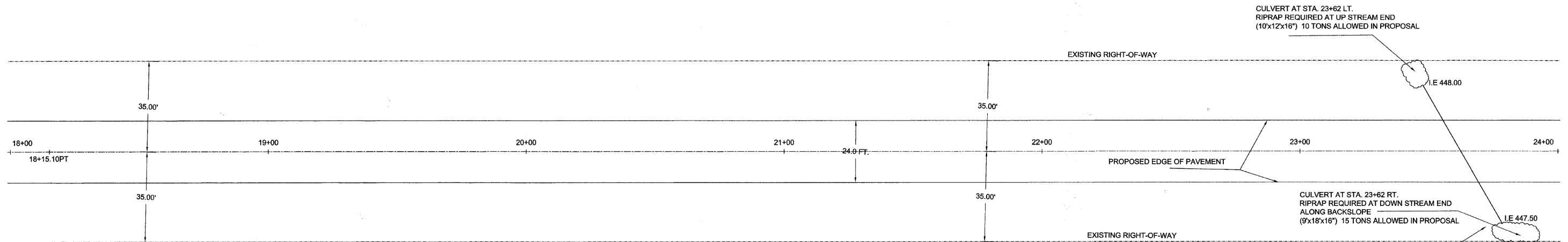
$\Delta = 1^{\circ}20' \text{ LT.}$
 $D = 0^{\circ}08'$
 $T = 500.25'$
 $L = 1000.00'$
 $R = 42,971.84'$
 $E = 3.00'$
 $SE = \text{NONE}$



FIELD ENTRANCE STA. 13+23 RT. EXISTING
 12"x26" CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 15"x30" PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)

STA. 13+89 EXISTING 18"x52"
 CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)

18" EQ. CLASS A, TYPE 1
 40' LONG, WITH PRECAST
 CONCRETE FLARED END
 SECTIONS REQUIRED
 20° SKEW RT. FORWARD
 4 C.Y. "CLSM" REQUIRED



CULVERT AT STA. 23+62 LT.
 RIPRAP REQUIRED AT UP STREAM END
 (10'x12'x16") 10 TONS ALLOWED IN PROPOSAL

CULVERT AT STA. 23+62 RT.
 RIPRAP REQUIRED AT DOWN STREAM END
 ALONG BACKSLOPE
 (9'x18'x16") 15 TONS ALLOWED IN PROPOSAL

STA. 23+62 EXISTING 36"x60"
 CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)

36" EQ. CLASS A, TYPE 1
 48' LONG, WITH PRECAST
 CONCRETE FLARED END
 SECTIONS REQUIRED
 30° SHEW RT. FORWARD
 9 C.Y. "CLSM" REQUIRED

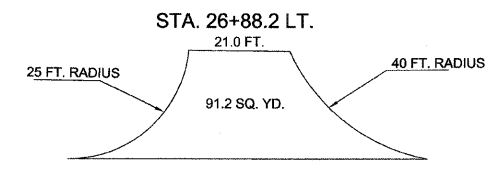


| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 5 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| PLAN SHEET | | | |

P.I. STA. 27+11.36

$\Delta = 2^{\circ}15' RT.$
 $D = 0^{\circ}11'$
 $T = 613.64'$
 $L = 1227.27'$
 $R = 31,252.60'$
 $E = 6.09'$
 $SE = NONE$

PROCESSING SOIL CEMENT QUANTITIES



STA. 26+56 EXISTING 36"x52' CMP TO BE REMOVED (NO SALVAGE REQUIRED)

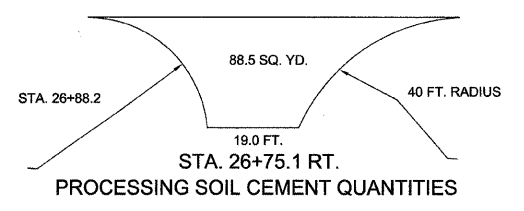
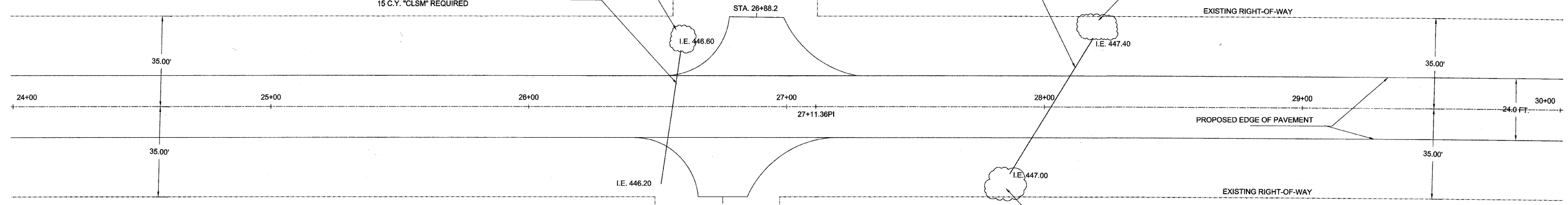
36" EQ. CLASS A, TYPE 1 48' LONG, WITH PRECAST CONCRETE FLARED END SECTIONS REQUIRED 8" 24' SKEW LT. FORWARD (SHIFT EXTRA LENGTH OF CULVERT TO THE SOUTH) 15 C.Y. "CLSM" REQUIRED

CULVERT AT STA. 26+56 LT. RIPRAP REQUIRED AT UP STREAM END (9'x10'x16") 8 TONS ALLOWED IN PROPOSAL

STA. 28+03 EXISTING 36"x62' CMP TO BE REMOVED (NO SALVAGE REQUIRED)

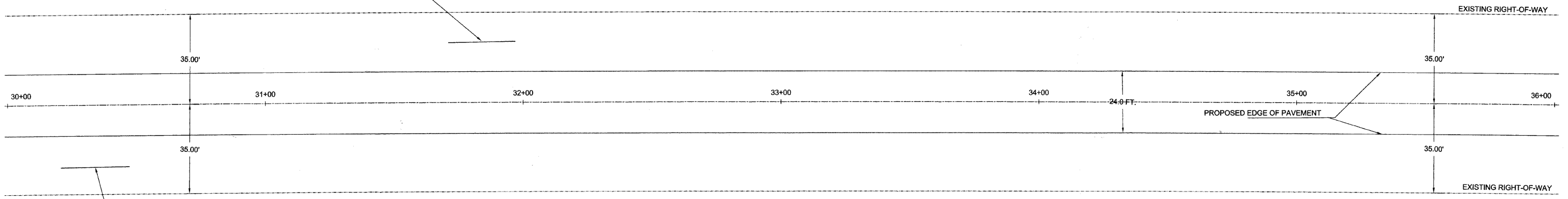
36" EQ. CLASS A, TYPE 1 48' LONG, WITH PRECAST CONCRETE FLARED END SECTIONS REQUIRED 31" SKEW LT. FORWARD 10 C.Y. "CLSM" REQUIRED

CULVERT AT STA. 28+03 LT. RIPRAP REQUIRED AT UP STREAM END (8'x12'x16") 8 TONS ALLOWED IN PROPOSAL

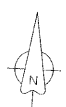


PROCESSING SOIL CEMENT QUANTITIES

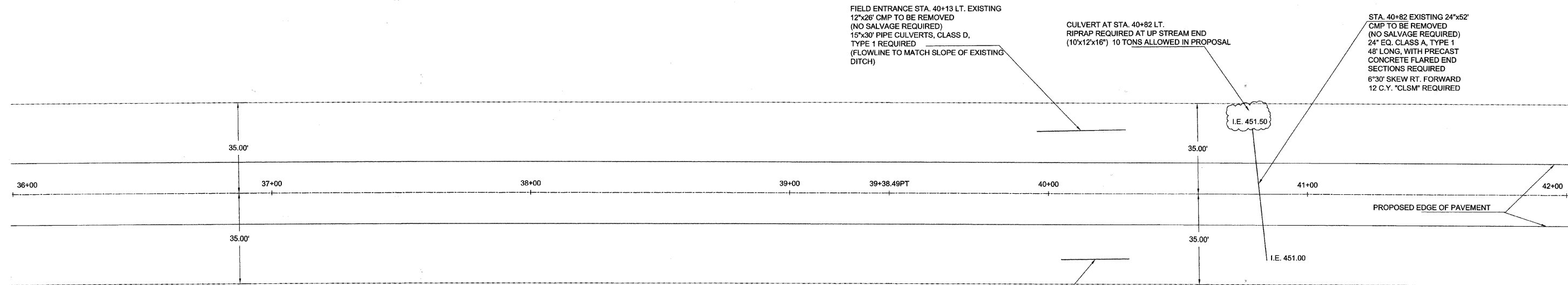
FIELD ENTRANCE STA. 31+84 LT. EXISTING 12"x26" CMP TO BE REMOVED (NO SALVAGE REQUIRED) 15"x30" PIPE CULVERTS, CLASS D, TYPE 1 REQUIRED (FLOWLINE TO MATCH SLOPE OF EXISTING DITCH)



STA. 30+24 RT. EXISTING 15"x26" CMP TO BE REMOVED. NO REPLACEMENT OR SALVAGE REQUIRED. EXCESS DIRT SHALL BE REMOVED AND PLACED AT OTHER PIPE CULVERTS REQUIRING ADDITIONAL MATERIAL TO CORRECT DITCH SLOPES. THE COST OF THE REMOVAL OF THE PIPE CULVERT AND THE REMOVAL OF THE EXCESS DIRT SHALL BE INCIDENTAL TO THE VARIOUS PIPE CULVERT ITEMS.



| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 6 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN SHEET | | | |

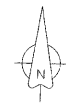
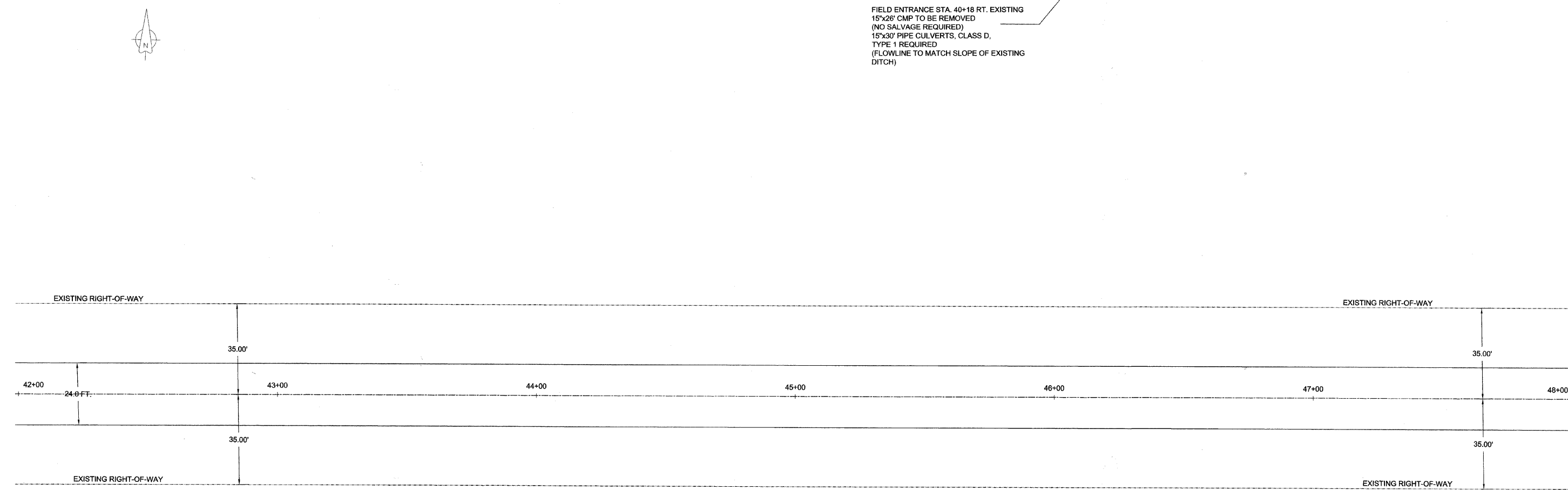


FIELD ENTRANCE STA. 40+13 LT. EXISTING
 12'x26' CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 15'x30' PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)

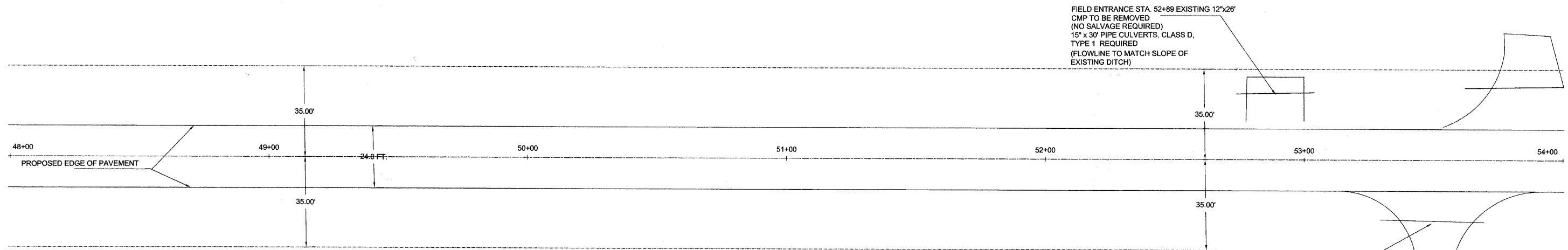
CULVERT AT STA. 40+82 LT.
 RIPRAP REQUIRED AT UP STREAM END
 (10'x12'x16") 10 TONS ALLOWED IN PROPOSAL

STA. 40+82 EXISTING 24'x52'
 CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 24' EQ. CLASS A, TYPE 1
 48' LONG, WITH PRECAST
 CONCRETE FLARED END
 SECTIONS REQUIRED
 6°30' SKEW RT. FORWARD
 12 C.Y. "CLSM" REQUIRED

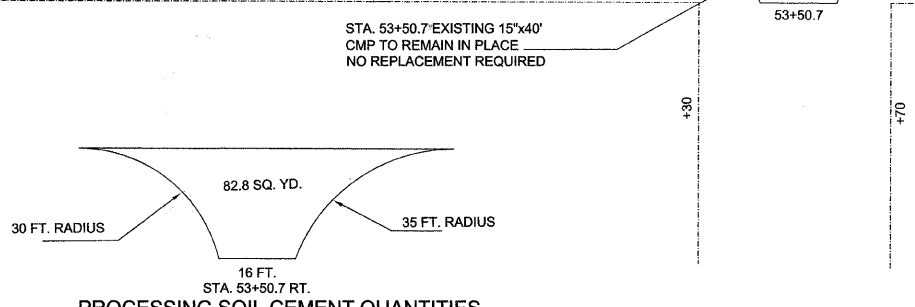
FIELD ENTRANCE STA. 40+18 RT. EXISTING
 15'x26' CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 15'x30' PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)



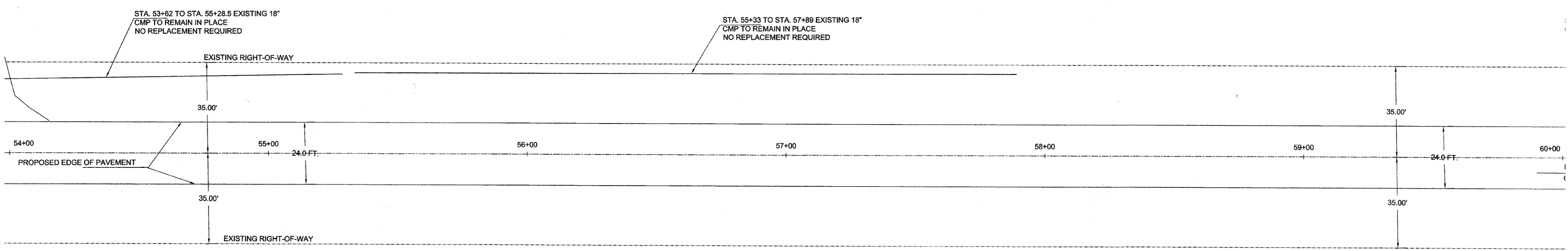
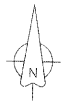
| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 7 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN SHEET | | | |



FIELD ENTRANCE STA. 52+89 EXISTING 12"x26"
 CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 15' x 30' PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF
 EXISTING DITCH)



PROCESSING SOIL CEMENT QUANTITIES

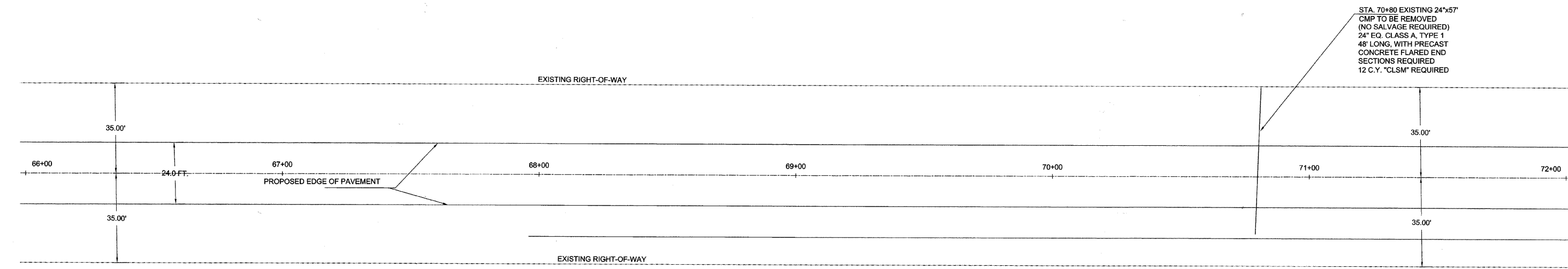
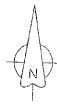
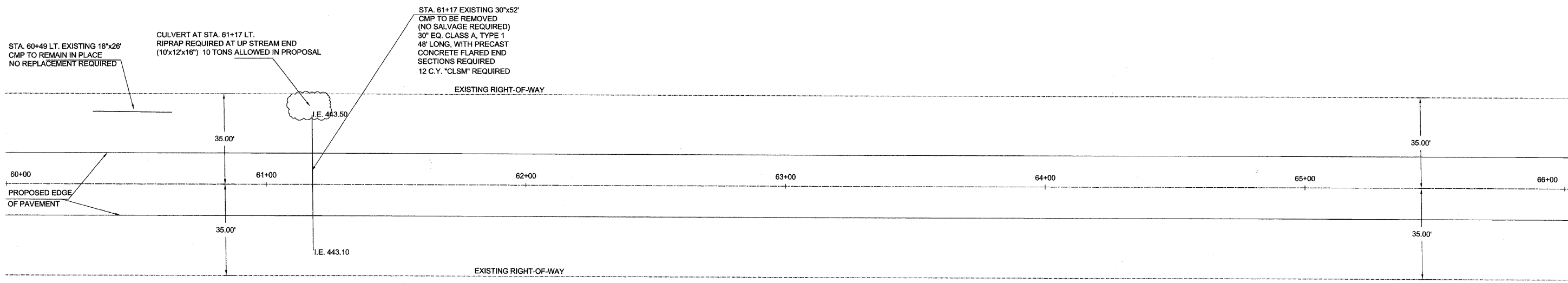


STA. 53+62 TO STA. 55+28.5 EXISTING 18"
 CMP TO REMAIN IN PLACE
 NO REPLACEMENT REQUIRED

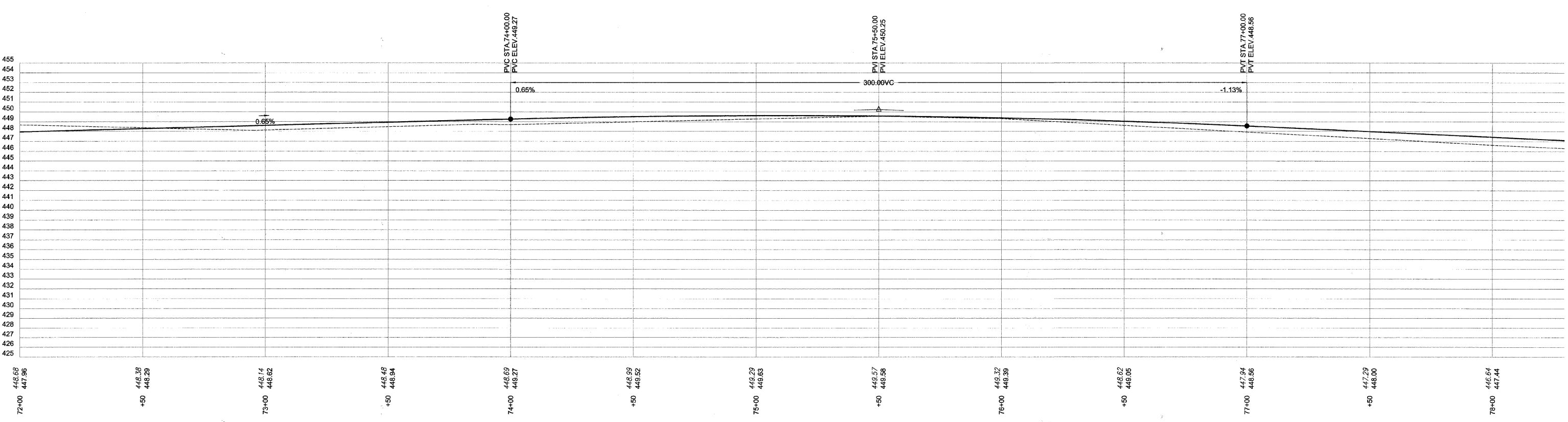
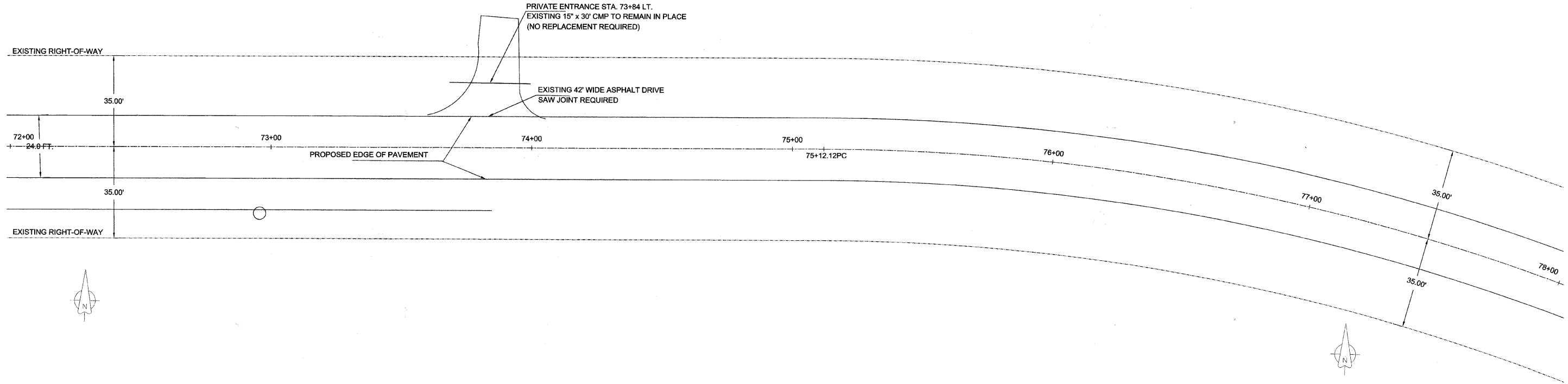
STA. 55+33 TO STA. 57+89 EXISTING 18"
 CMP TO REMAIN IN PLACE
 NO REPLACEMENT REQUIRED



| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 8 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| PLAN SHEET | | | |



| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 9 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| PLAN PROFILE SHEET | | | |

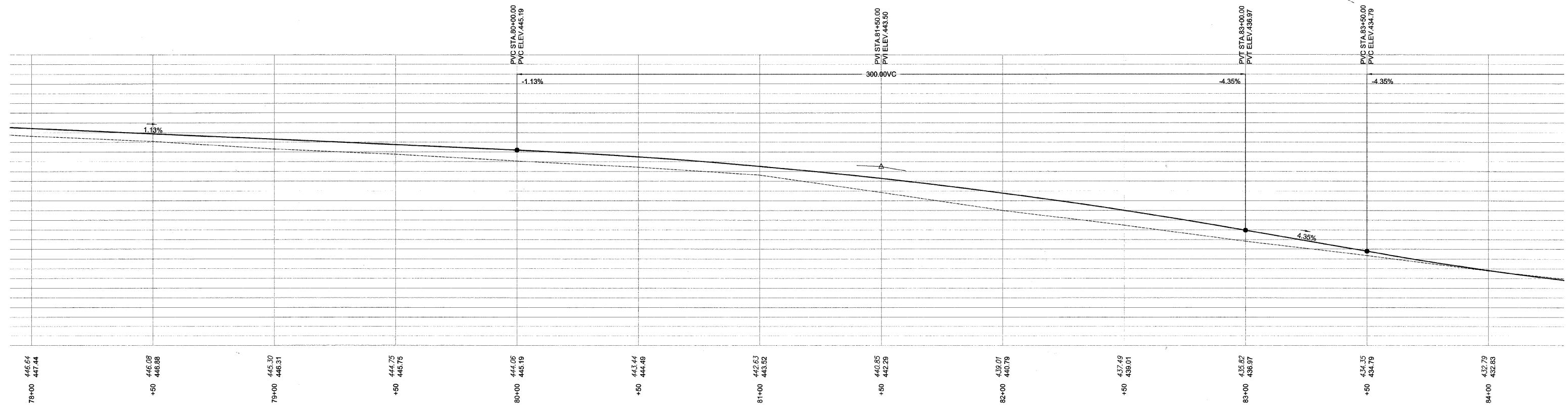
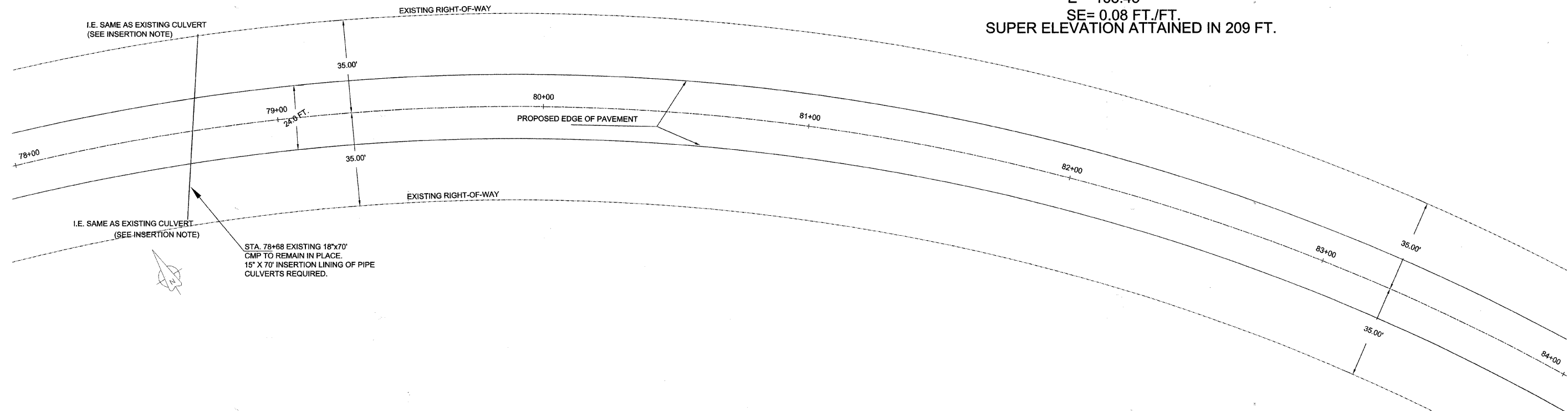


| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 10 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN PROFILE SHEET | | | |

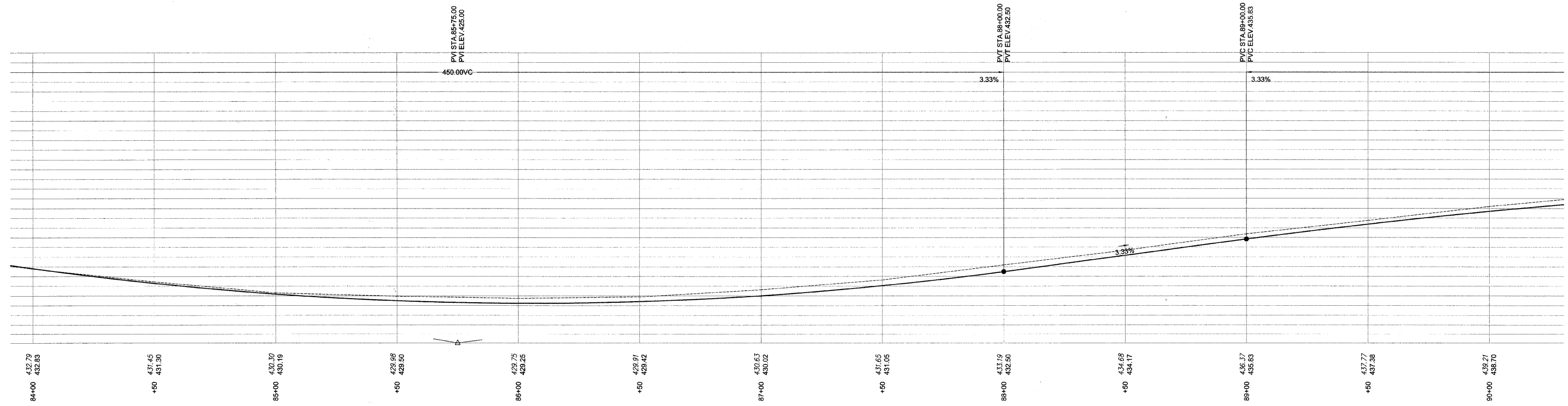
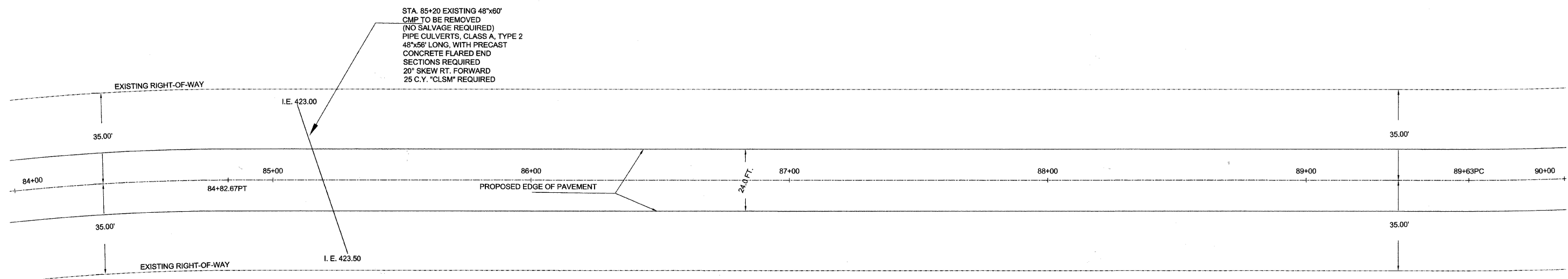
P.I. STA. 80+63.60

$\Delta = 67^{\circ}56'$ RT.
 $D = 7^{\circ}00'$
 $T = 551.48'$
 $L = 970.48'$
 $R = 819.02'$
 $E = 168.43'$

SE = 0.08 FT./FT.
 SUPER ELEVATION ATTAINED IN 209 FT.

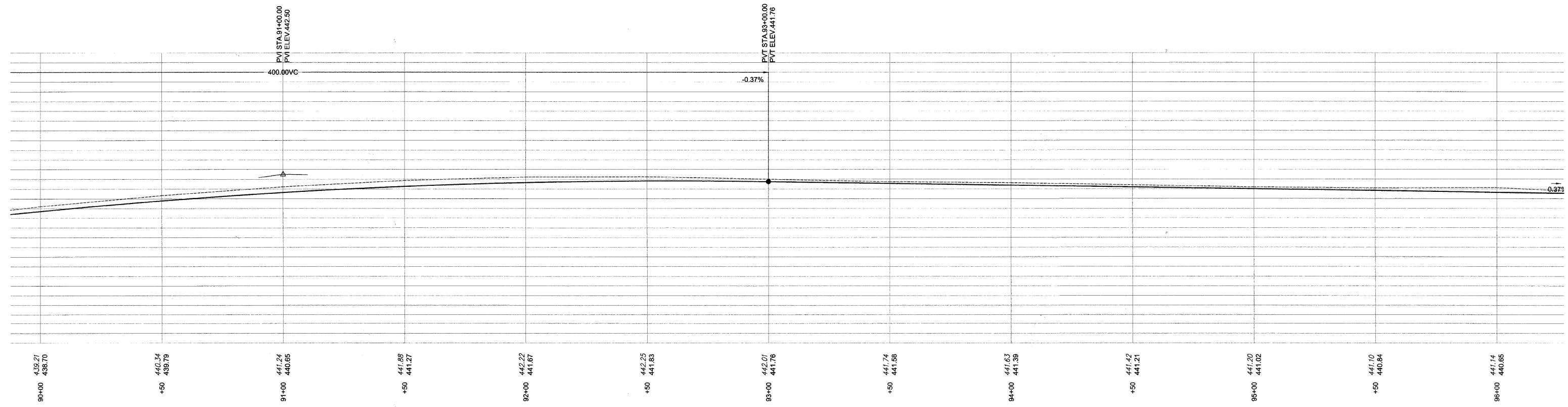
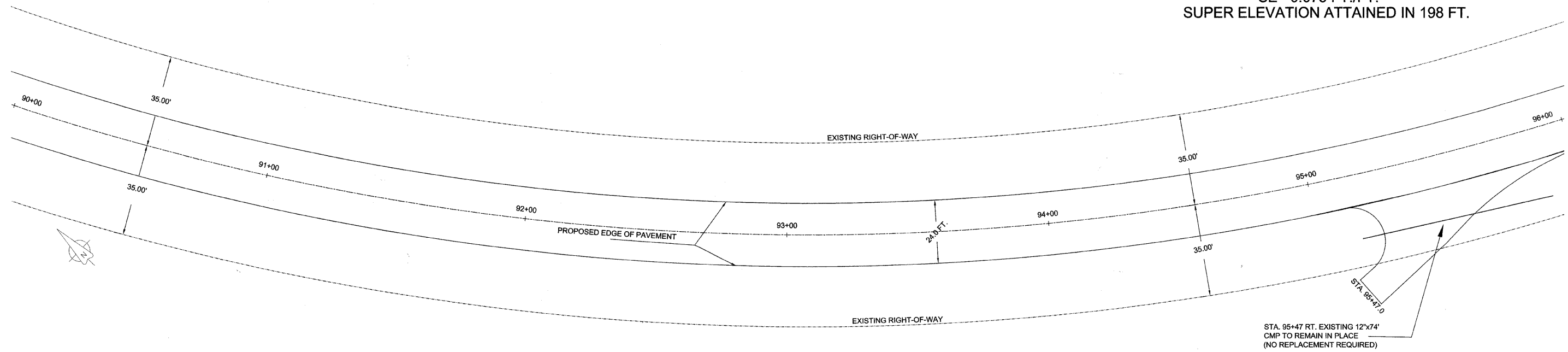


| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 11 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN PROFILE SHEET | | | |

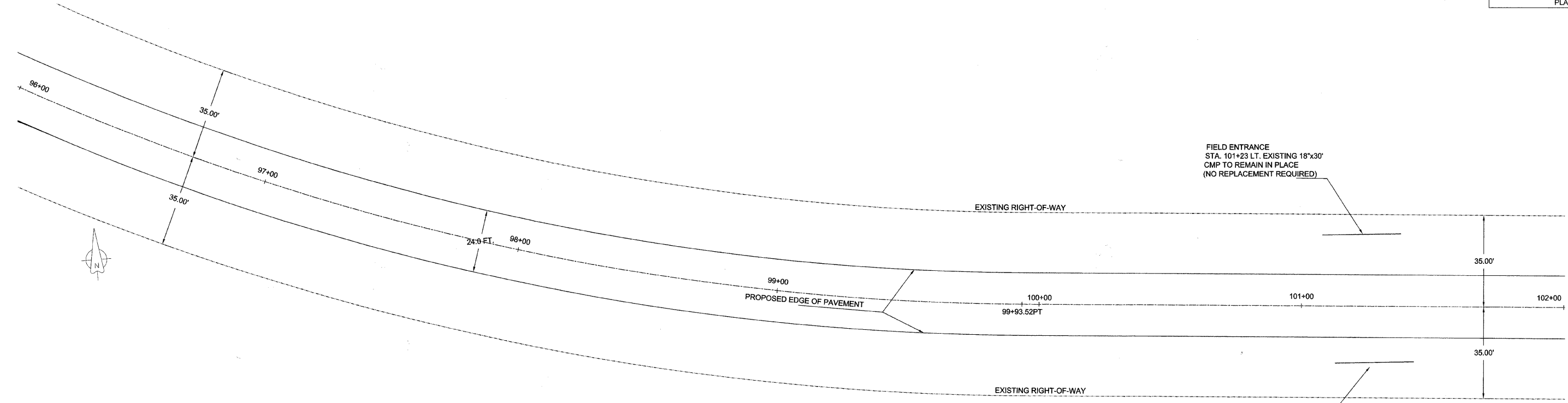


| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 12 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| PLAN PROFILE SHEET | | | |

P.I. STA. 95+34.90
 $\Delta = 61^\circ 50'$ LT.
 $D = 6^\circ 00'$
 $T = 571.90'$
 $L = 1,030.56'$
 $R = 955.37'$
 $E = 158.15'$
 $SE = 0.075$ FT./FT.
 SUPER ELEVATION ATTAINED IN 198 FT.

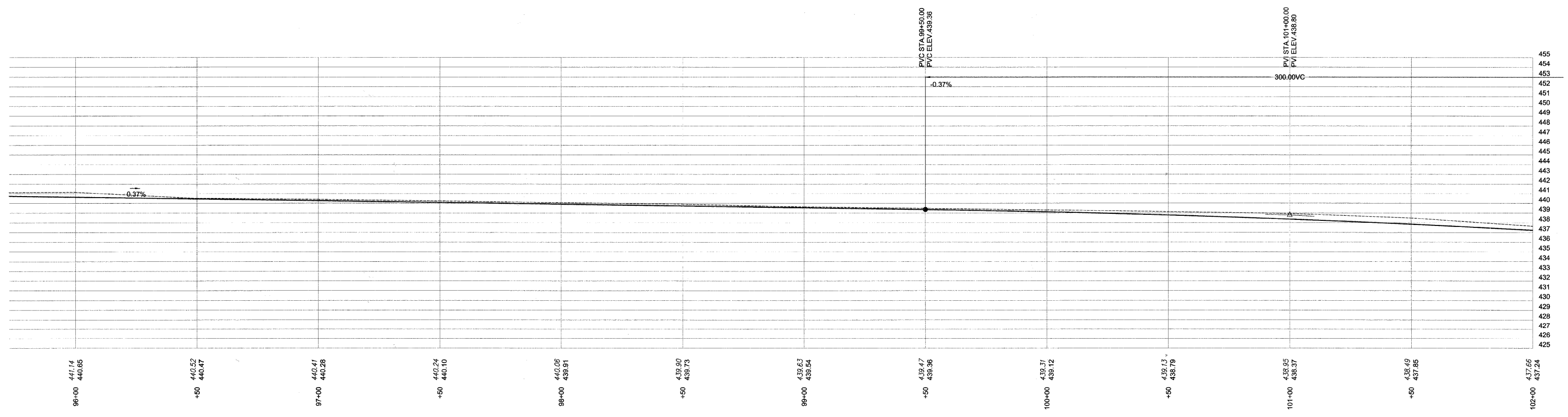


| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 13 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN PROFILE SHEET | | | |

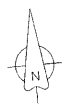
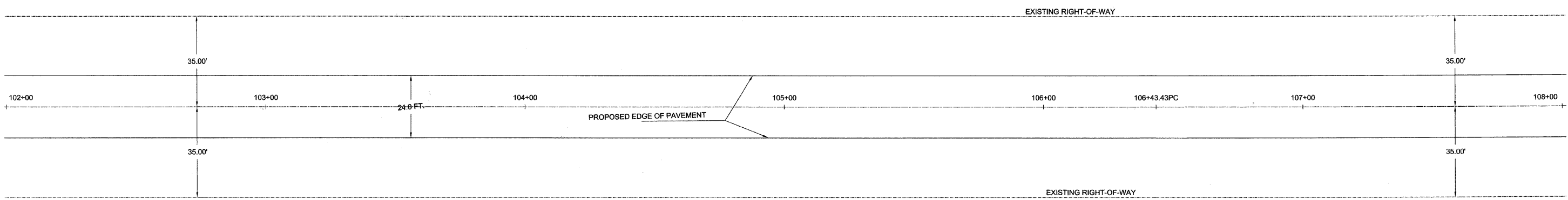


FIELD ENTRANCE
 STA. 101+23 LT. EXISTING 18"x30"
 CMP TO REMAIN IN PLACE
 (NO REPLACEMENT REQUIRED)

FIELD ENTRANCE STA. 101+28 RT. EXISTING
 15"x30" CMP TO BE REMOVED
 (NO SALVAGE REQUIRED).
 15"x30" PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)

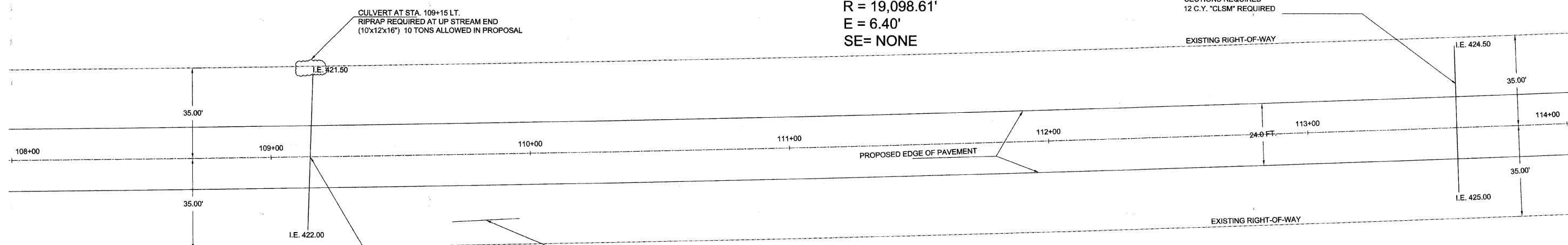


| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 14 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN SHEET | | | |



P.I. STA. 111+35.10
 $\Delta = 2^{\circ}57'$ LT.
 $D = 0^{\circ}18'$
 $T = 491.67'$
 $L = 983.33'$
 $R = 19,098.61'$
 $E = 6.40'$
 $SE = NONE$

STA. 113+58 EXISTING 30"x56"
 CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 30' EQ. CLASS A, TYPE 1
 48' LONG, WITH PRECAST
 CONCRETE FLARED END
 SECTIONS REQUIRED
 12 C.Y. "CLSM" REQUIRED



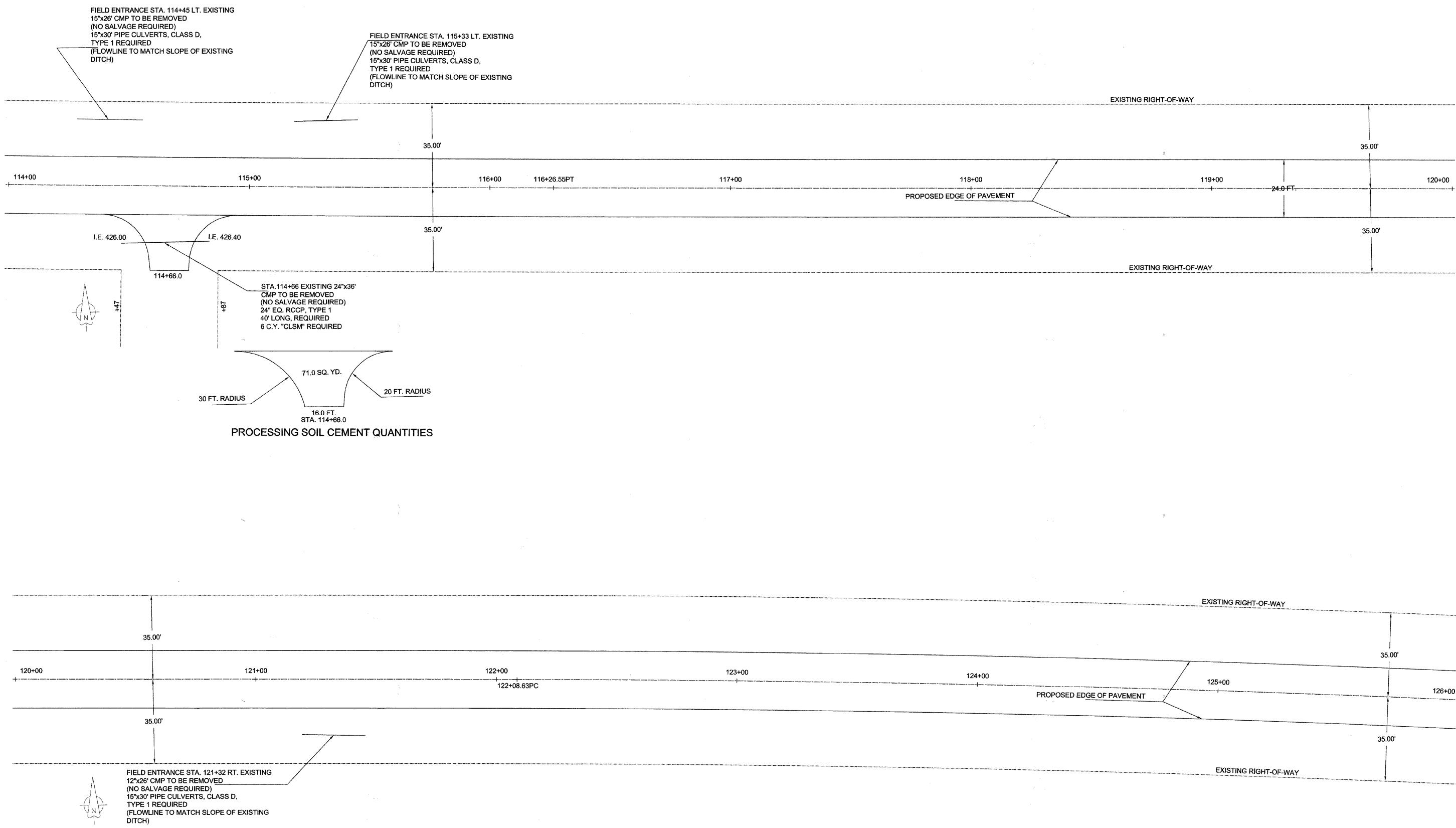
CULVERT AT STA. 109+15 LT.
 RIPRAP REQUIRED AT UP STREAM END
 (10'x12"x16") 10 TONS ALLOWED IN PROPOSAL

STA. 109+15 LT. EXISTING 36"x60"
 CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 36' EQ. CLASS A, TYPE 1
 56' LONG, WITH PRECAST
 CONCRETE FLARED END
 SECTIONS REQUIRED
 2"30' SKEW LT. FORWARD
 27 C.Y. "CLSM" REQUIRED

FIELD ENTRANCE STA. 109+82 RT. EXISTING
 12"x26" CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 15"x30" PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)



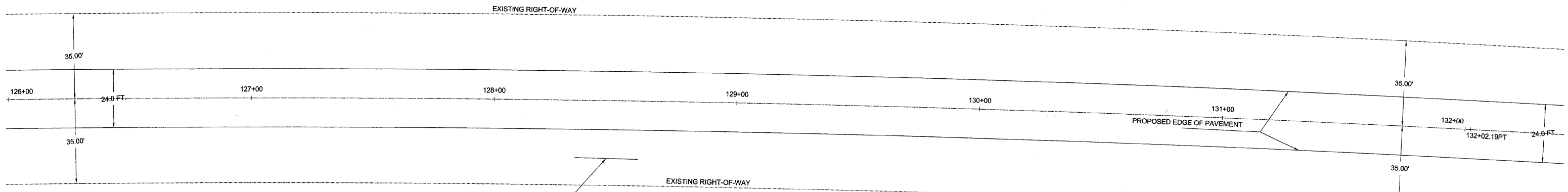
| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 15 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| PLAN SHEET | | | |



| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 16 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| PLAN SHEET | | | |

P.I. STA. 127+06.30

$\Delta = 5^{\circ}58'$ RT.
 $D = 0^{\circ}36'$
 $T = 497.67'$
 $L = 994.45'$
 $R = 9,549.34'$
 $E = 13.00'$
 $SE = NONE$



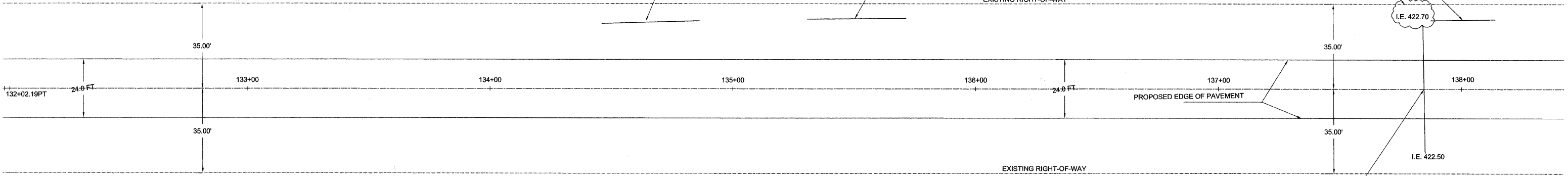
FIELD ENTRANCE STA. 128+46 RT. EXISTING
 12"x26" CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 15"x30" PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)

FIELD ENTRANCE STA. 134+66 LT. EXISTING
 24"x40" CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 24"x40" PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)

FIELD ENTRANCE STA. 135+51 LT. EXISTING
 24"x40" CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 24"x40" PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)

CULVERT AT STA. 137+85 LT.
 RIPRAP REQUIRED AT UP STREAM END
 (10"x12"x16") 10 TONS ALLOWED IN PROPOSAL

FIELD ENTRANCE STA. 138+00 LT. EXISTING
 24"x28" CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 24"x30" PIPE CULVERTS, CLASS D,
 TYPE 1 REQUIRED
 (FLOWLINE TO MATCH SLOPE OF EXISTING
 DITCH)

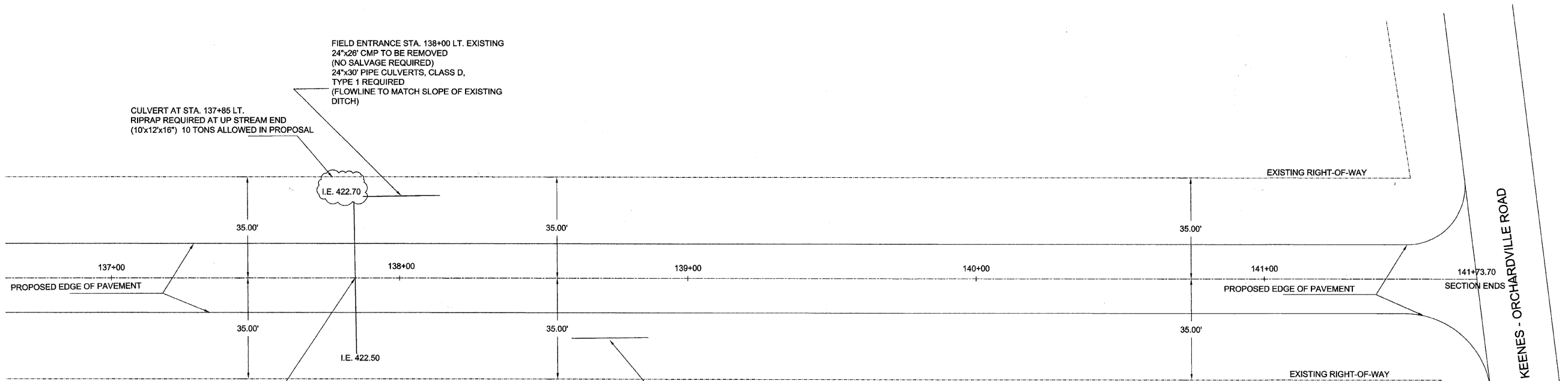


STA. 137+85 EXISTING 30"x52"
 CMP TO BE REMOVED
 (NO SALVAGE REQUIRED)
 30" EQ. CLASS A, TYPE 1
 40' LONG, WITH PRECAST
 CONCRETE FLARED END
 SECTIONS REQUIRED
 10 C.Y. "CLSM" REQUIRED

I.E. 422.70

I.E. 422.50

| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 17 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| PLAN SHEET | | | |

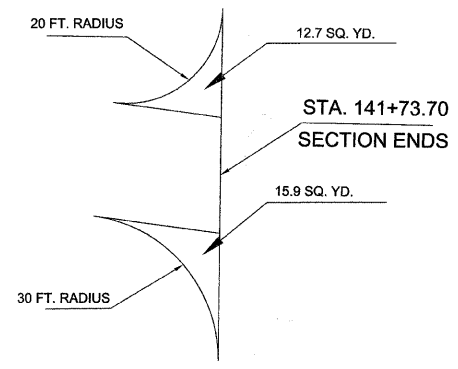


CULVERT AT STA. 137+85 LT.
RIPRAP REQUIRED AT UP STREAM END
(10x12x16") 10 TONS ALLOWED IN PROPOSAL

FIELD ENTRANCE STA. 138+00 LT. EXISTING
24"x28" CMP TO BE REMOVED
(NO SALVAGE REQUIRED)
24"x30" PIPE CULVERTS, CLASS D,
TYPE 1 REQUIRED
(FLOWLINE TO MATCH SLOPE OF EXISTING
DITCH)

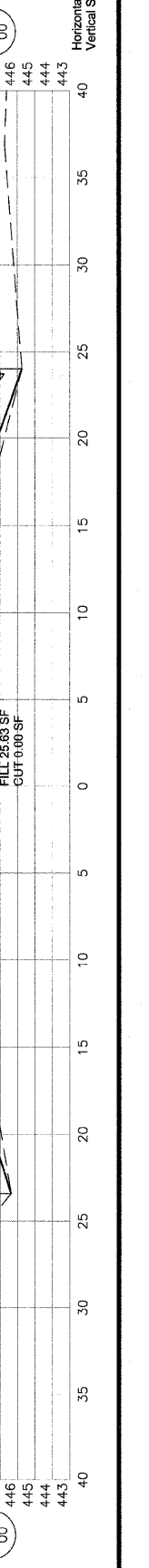
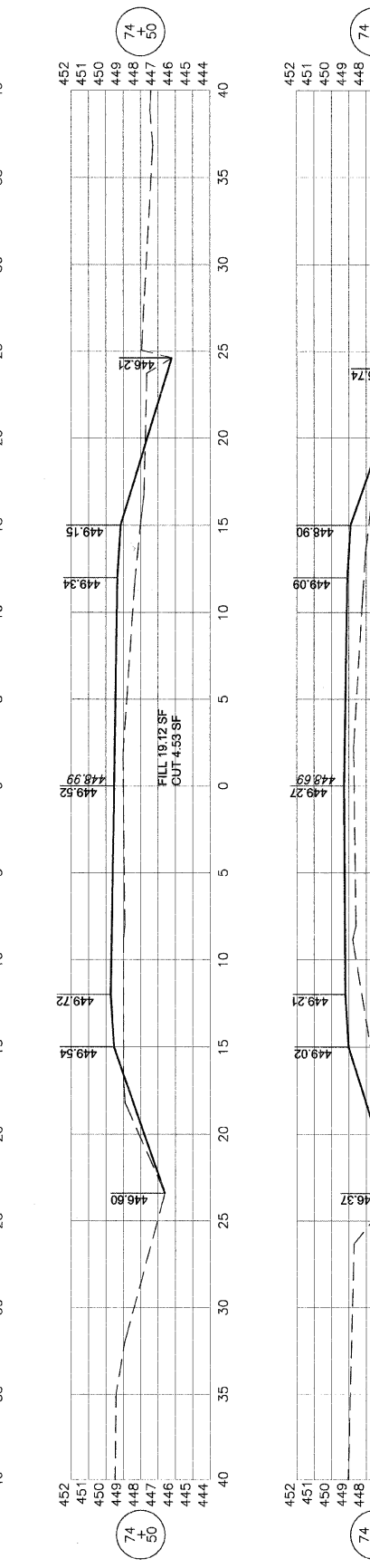
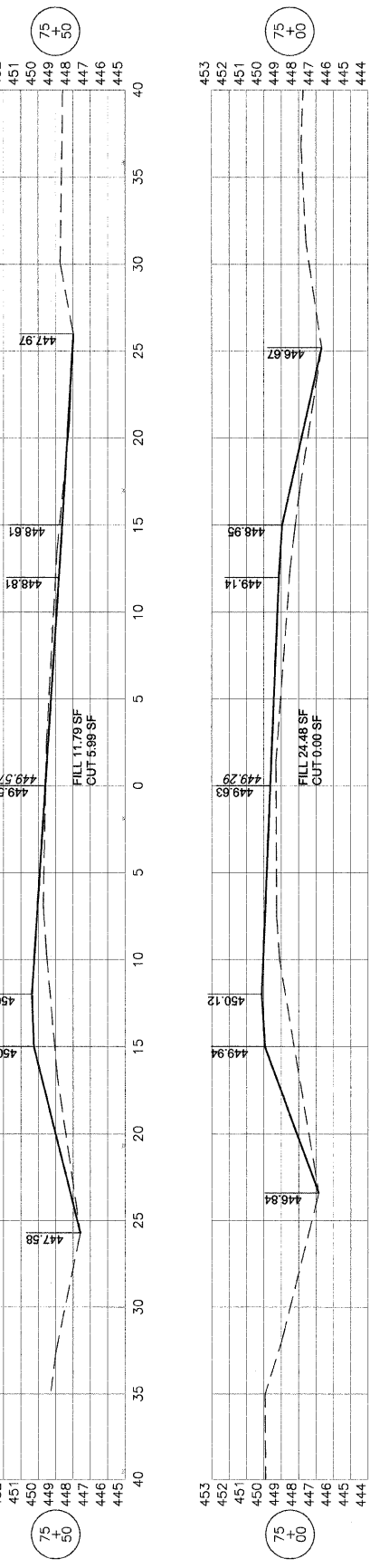
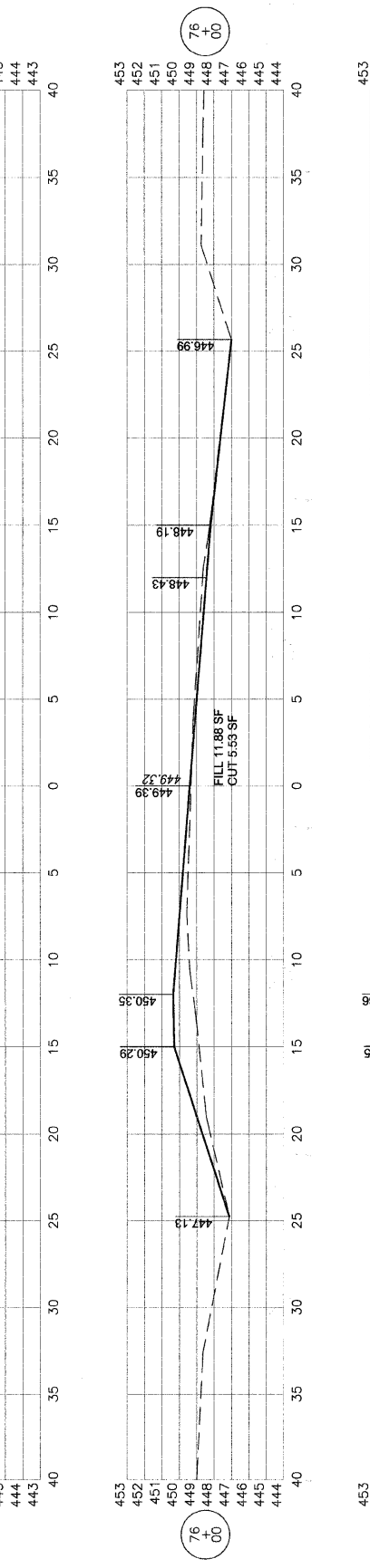
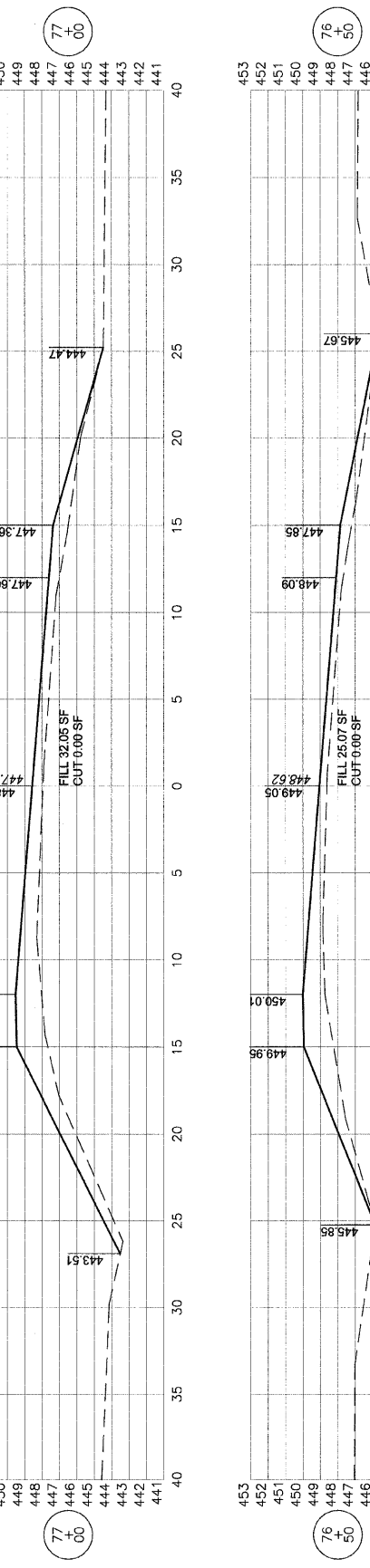
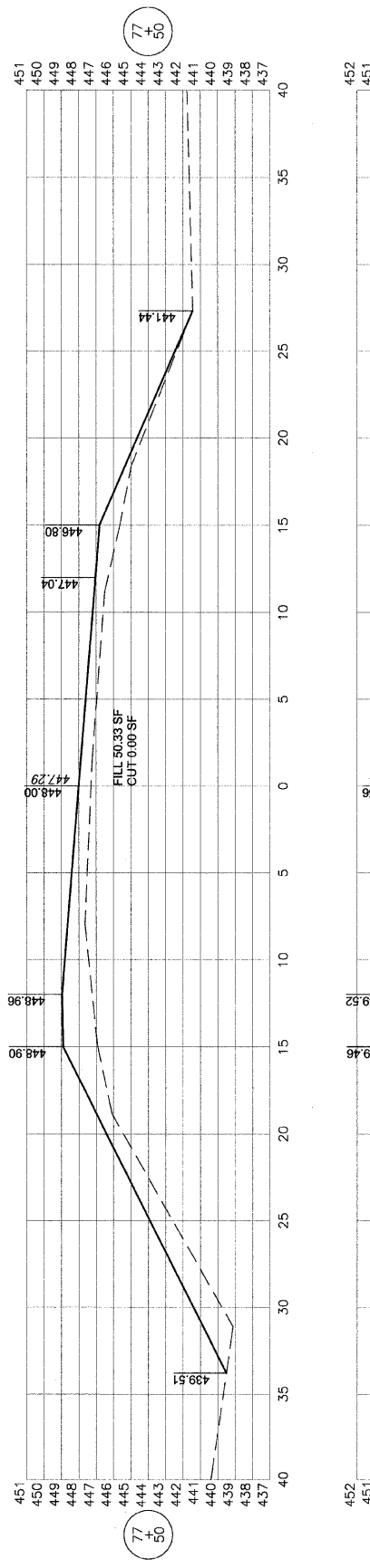
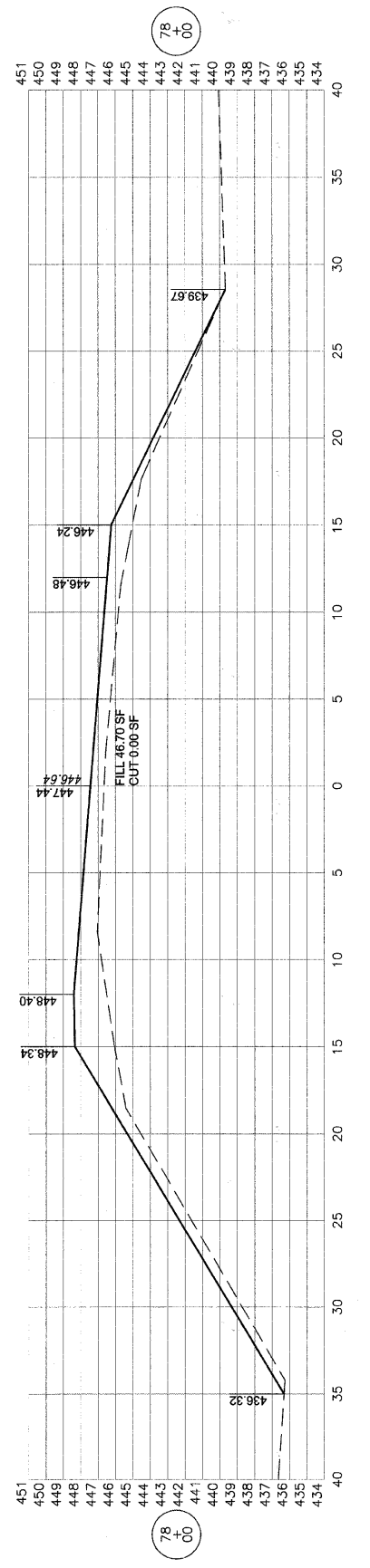
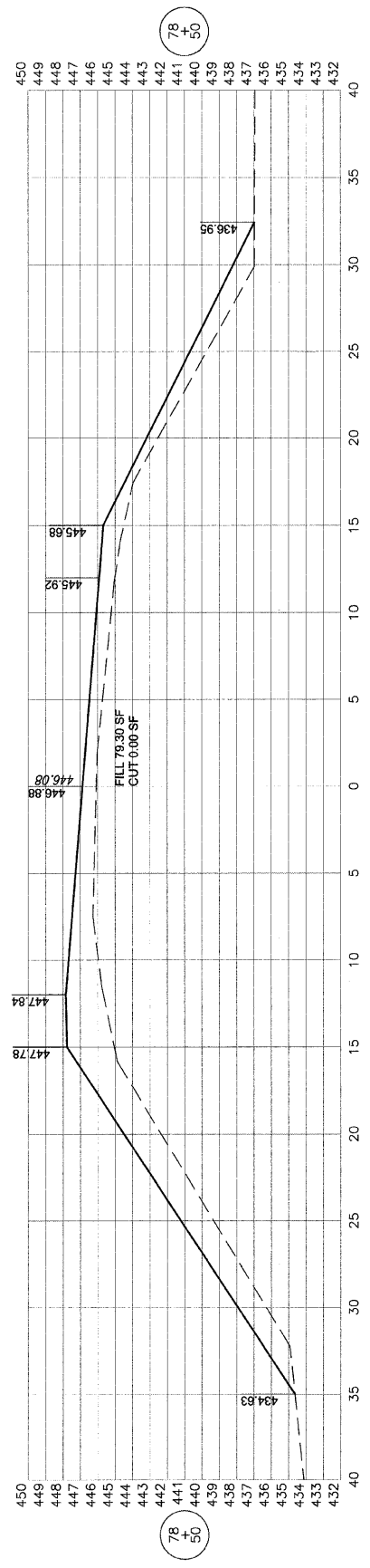
STA. 137+85 EXISTING 30"x52"
CMP TO BE REMOVED
(NO SALVAGE REQUIRED)
30" EQ. CLASS A, TYPE 1
40' LONG, WITH PRECAST
CONCRETE FLARED END
SECTIONS REQUIRED
10 C.Y. "CLSM" REQUIRED

FIELD ENTRANCE STA. 138+72 RT. EXISTING
15"x30" CMP TO BE REMOVED
(NO SALVAGE REQUIRED)
15"x30" PIPE CULVERTS, CLASS D,
TYPE 1 REQUIRED
(FLOWLINE TO MATCH SLOPE OF EXISTING
DITCH)

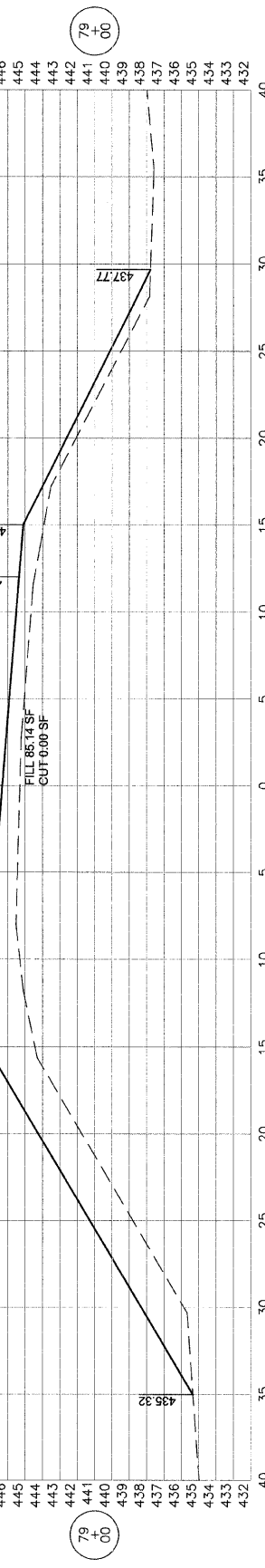
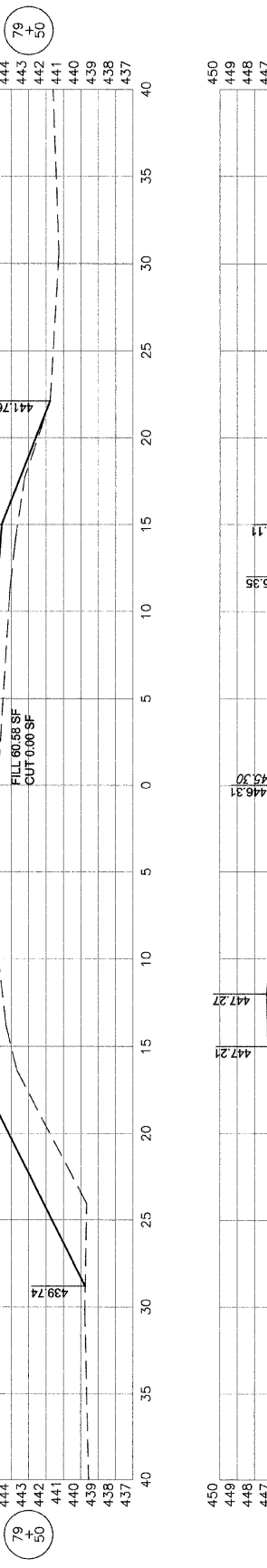
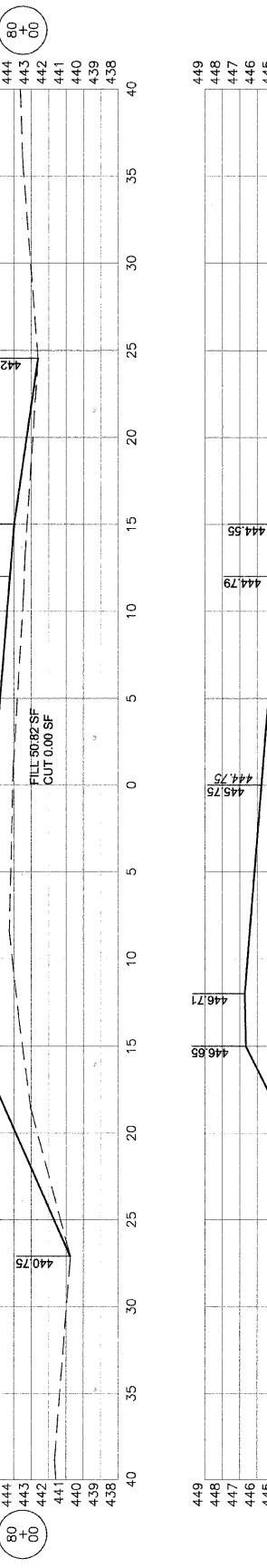
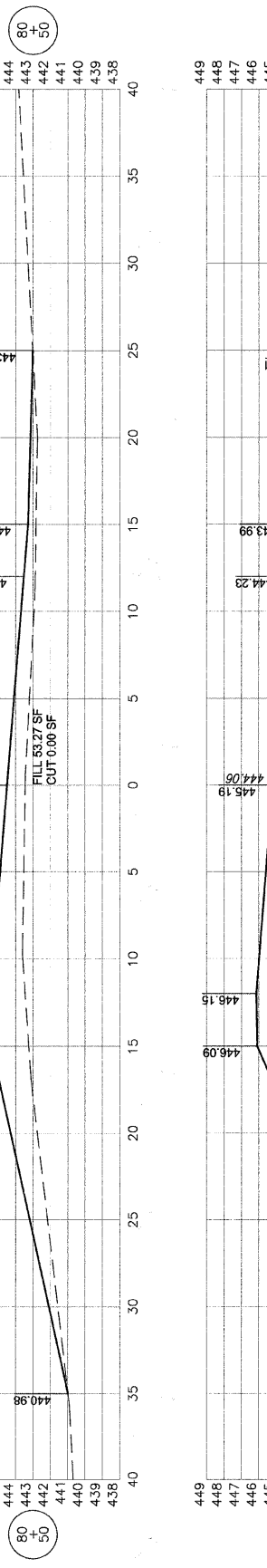
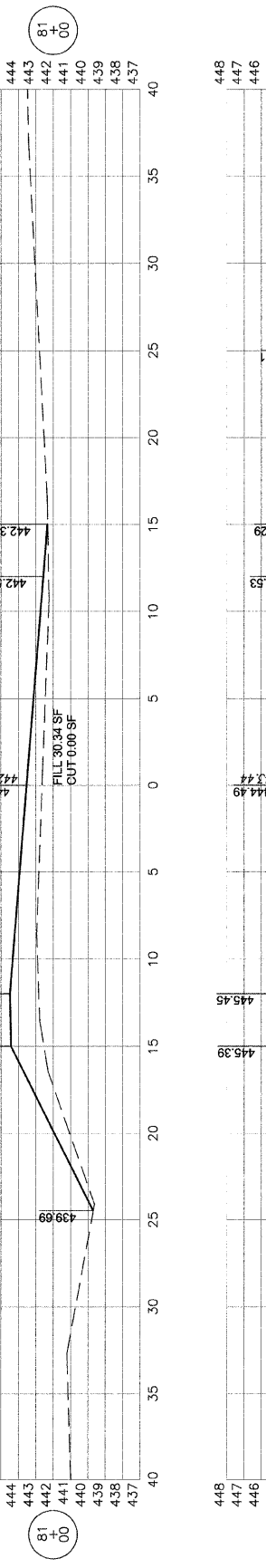
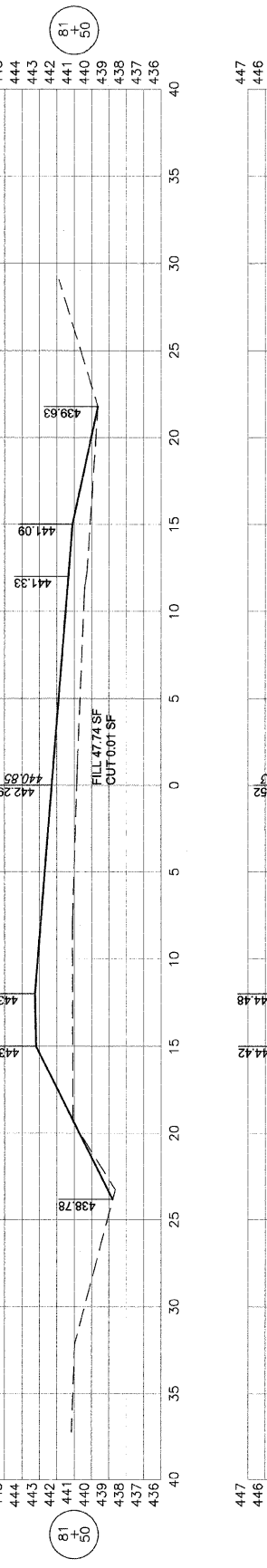
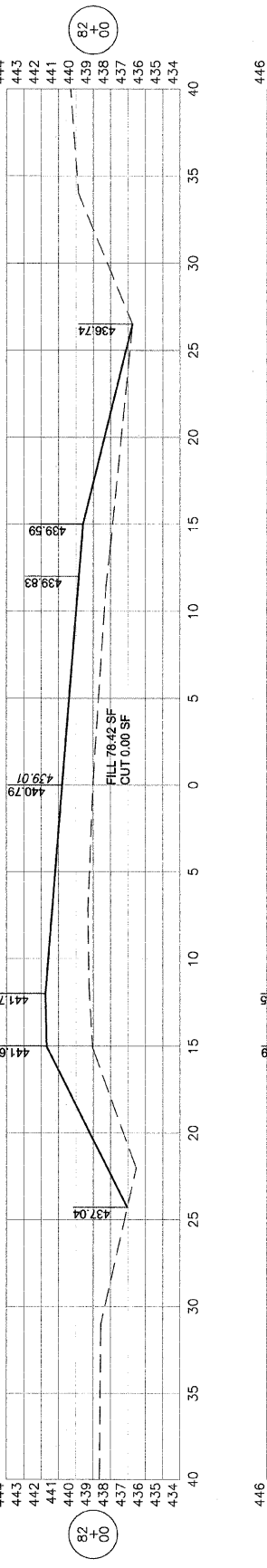
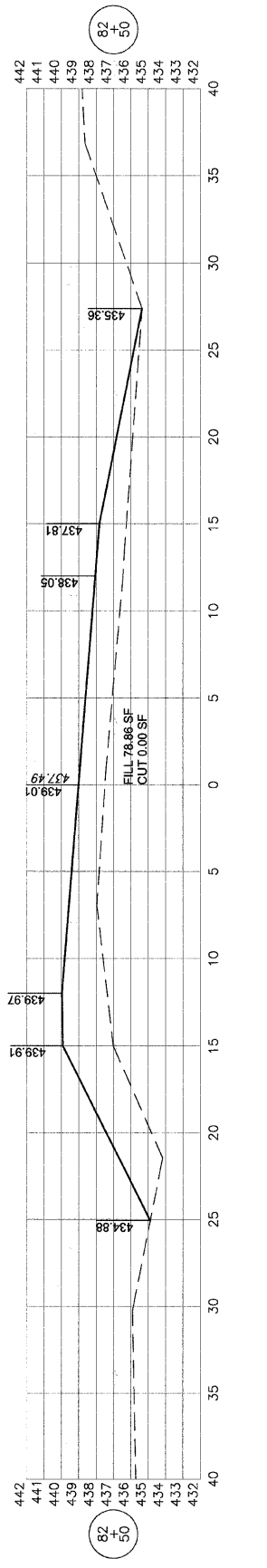
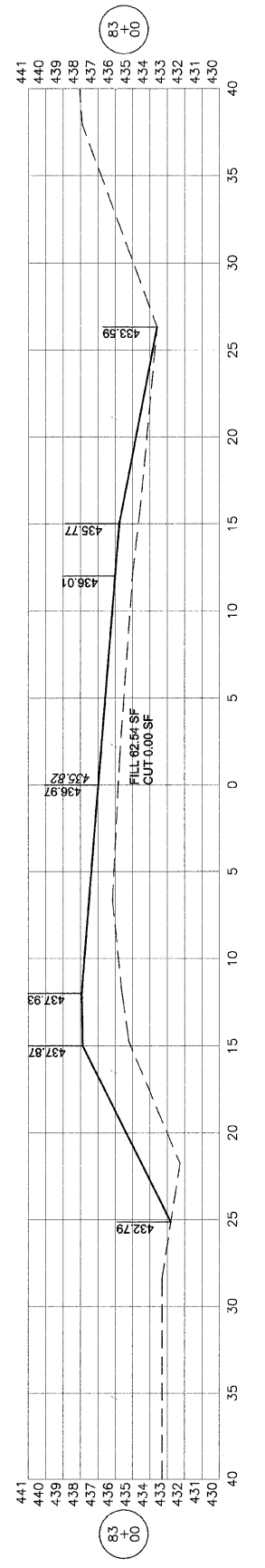
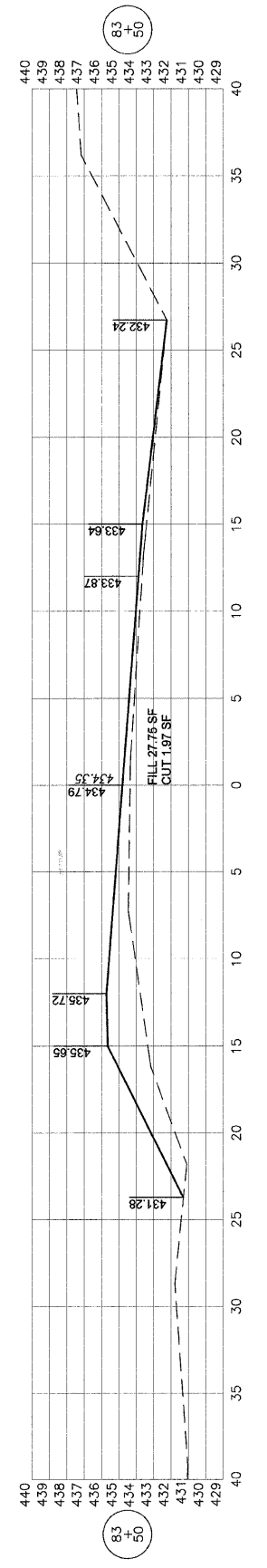


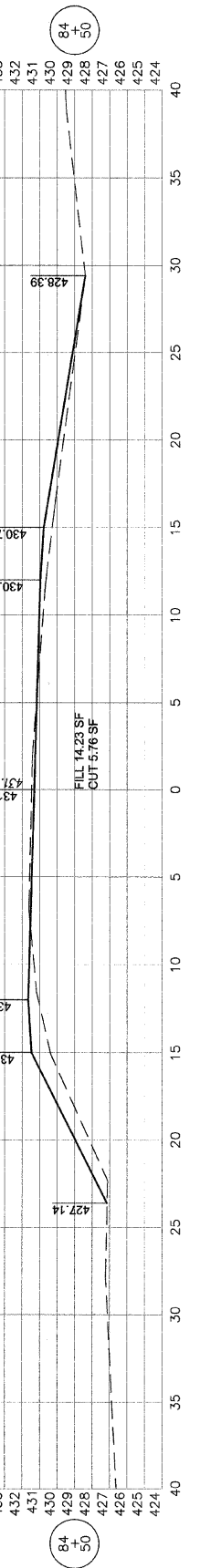
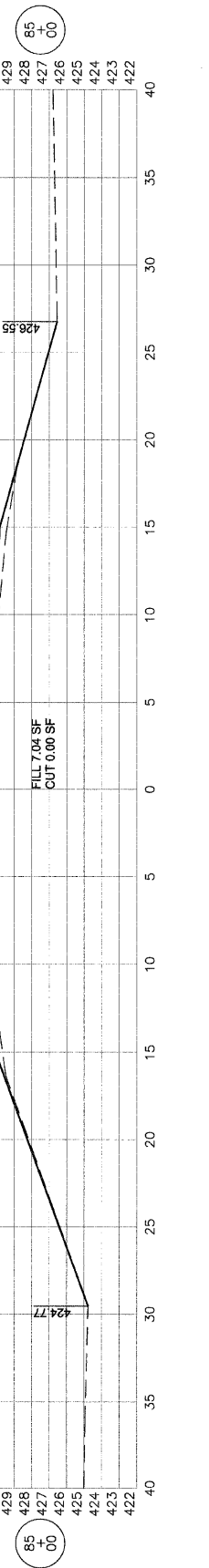
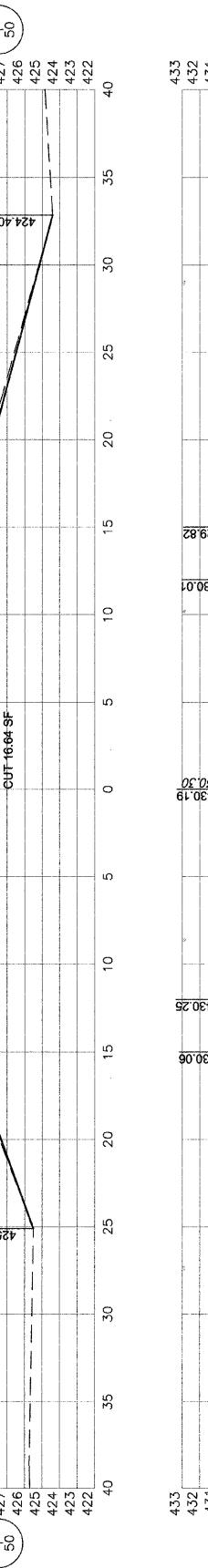
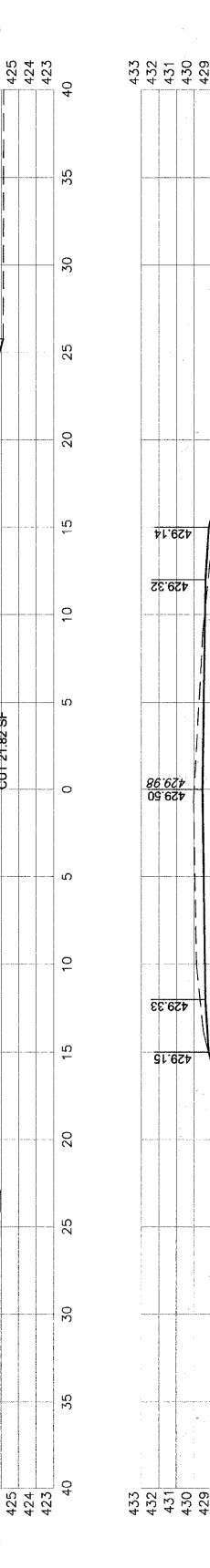
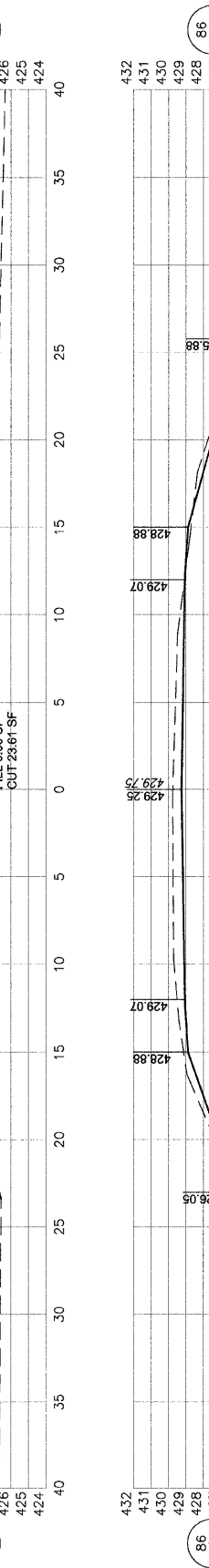
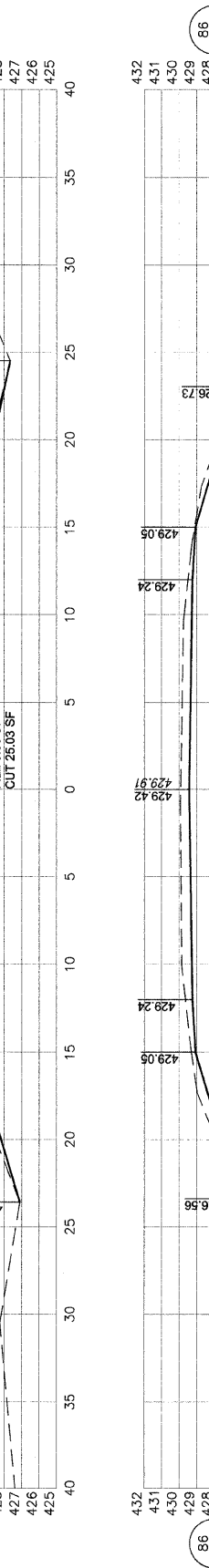
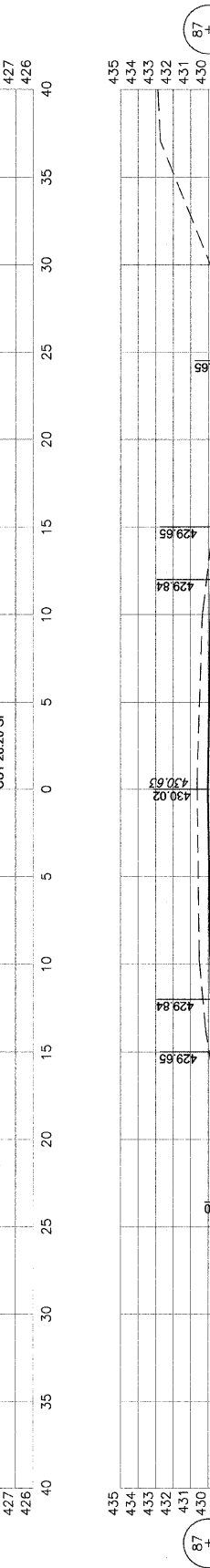
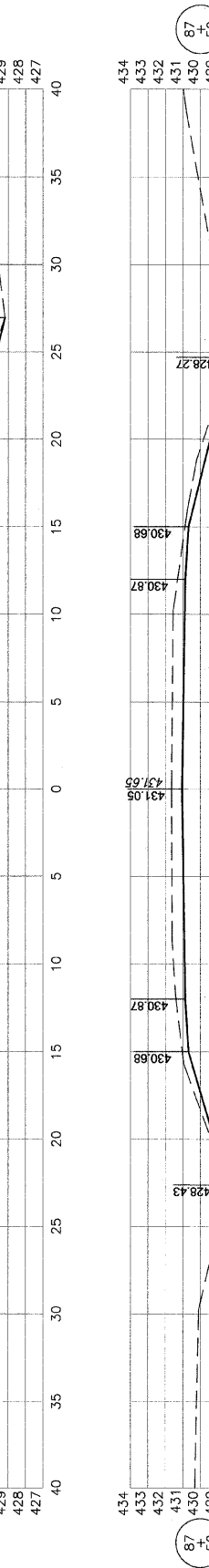
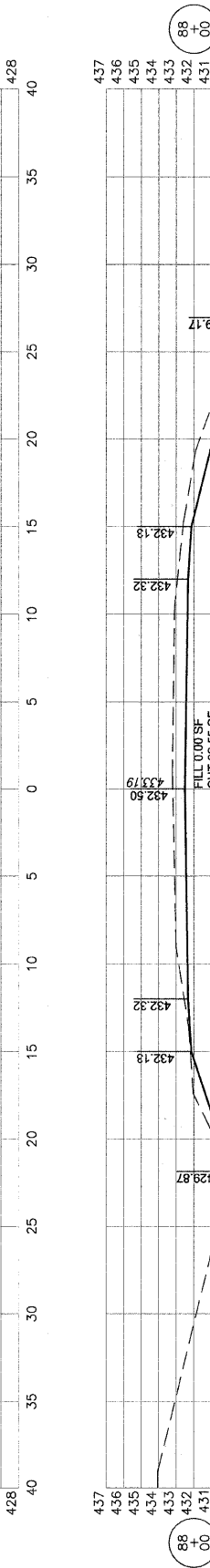
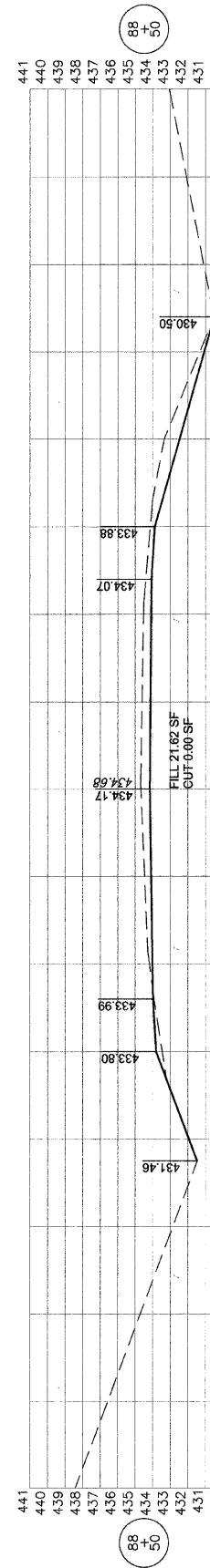
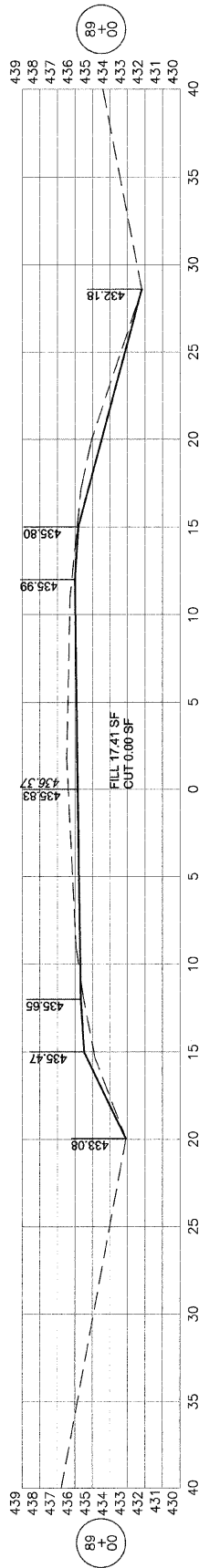
STA. 141+73.70
PROCESSING SOIL CEMENT QUANTITIES

| | | | |
|-------------------|--------|--------------|-----------|
| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 08-00119-00-FP | WAYNE | 23 | 18 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| CROSS SECTIONS | | | |

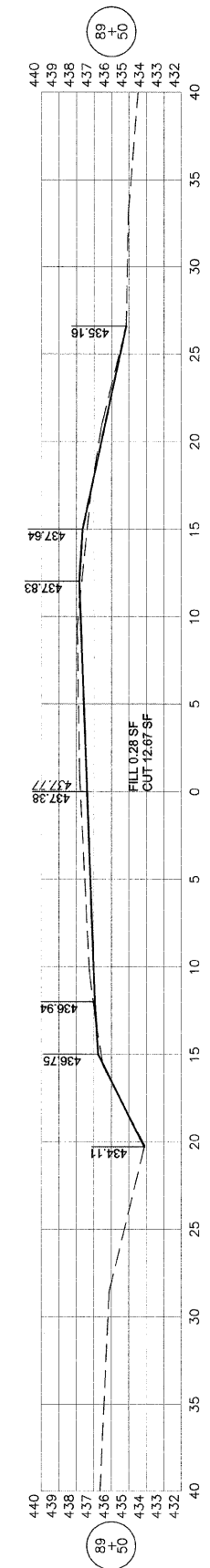
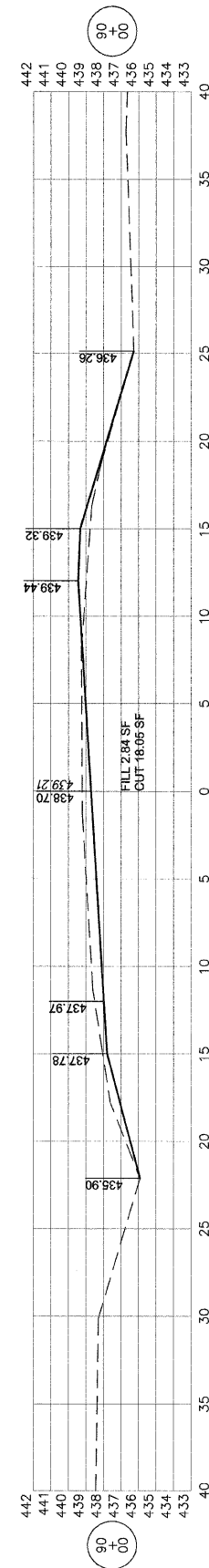
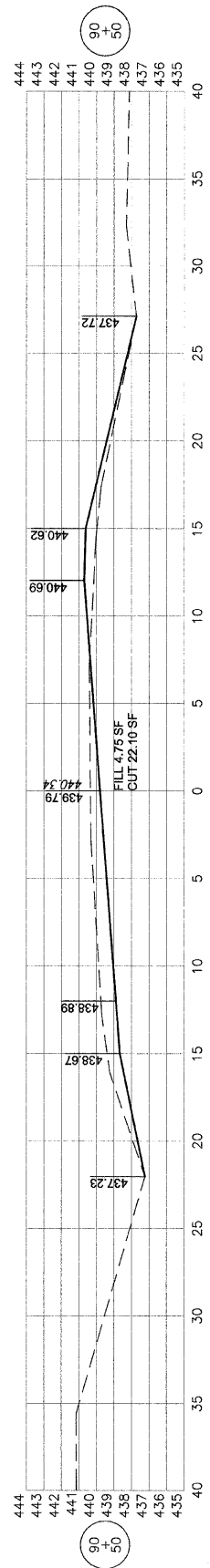
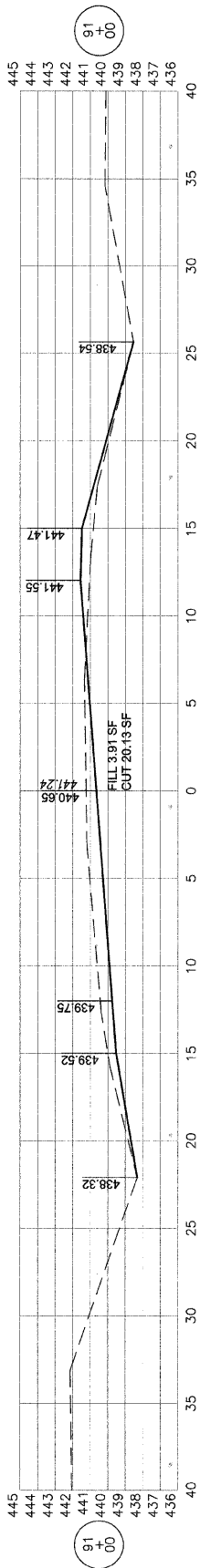
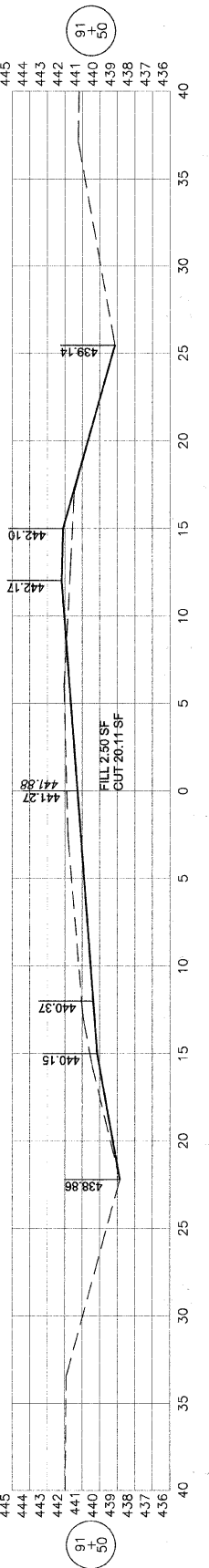
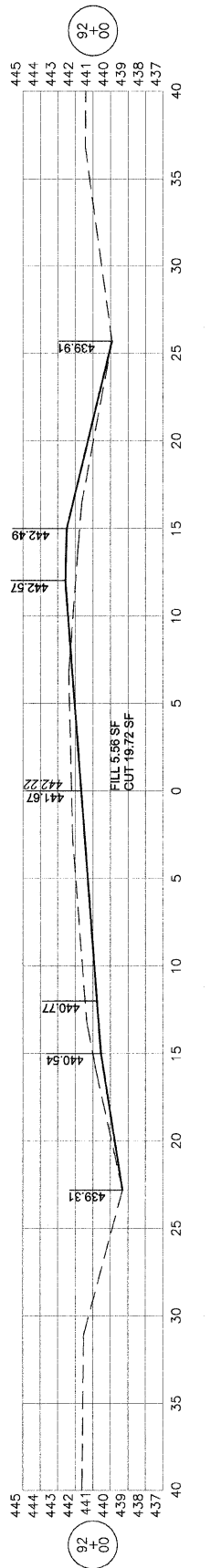
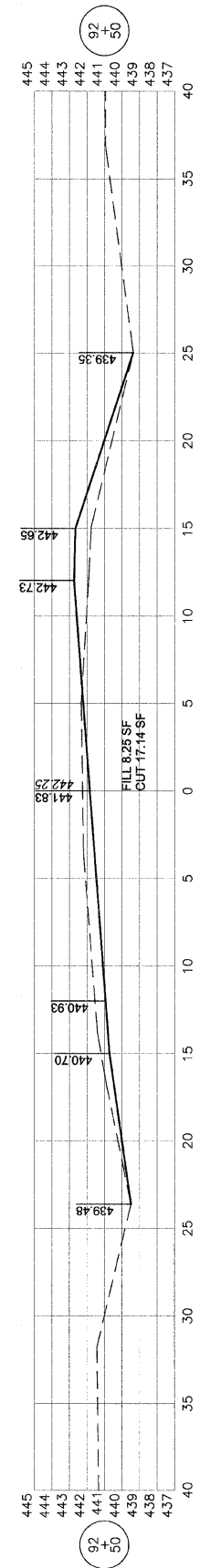
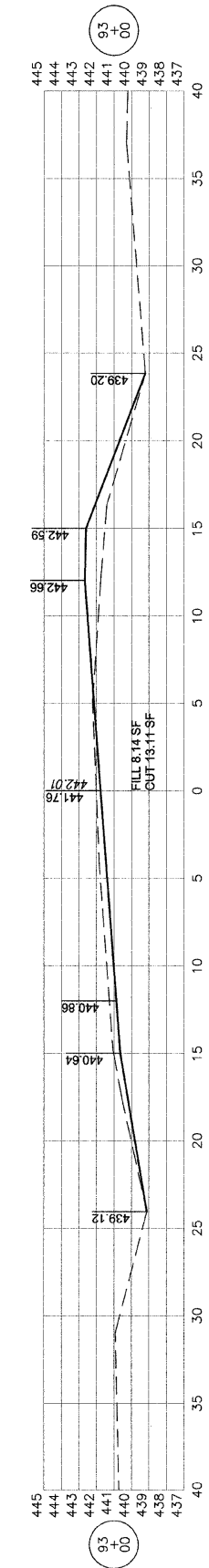
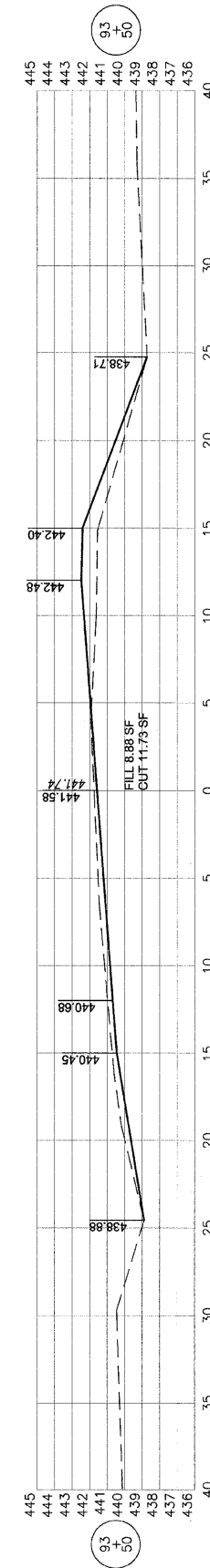
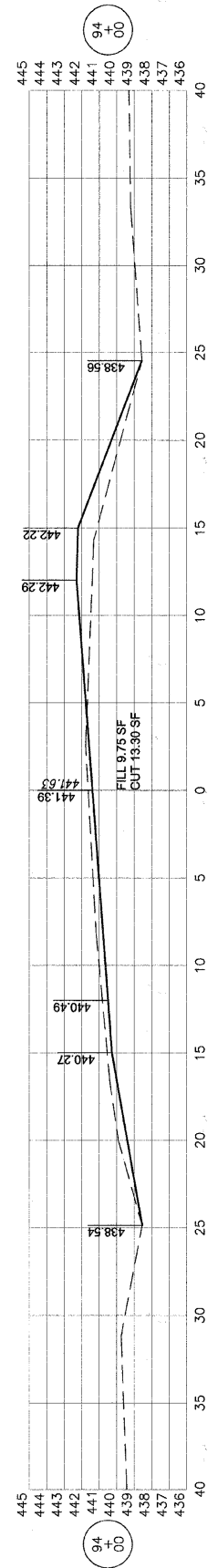
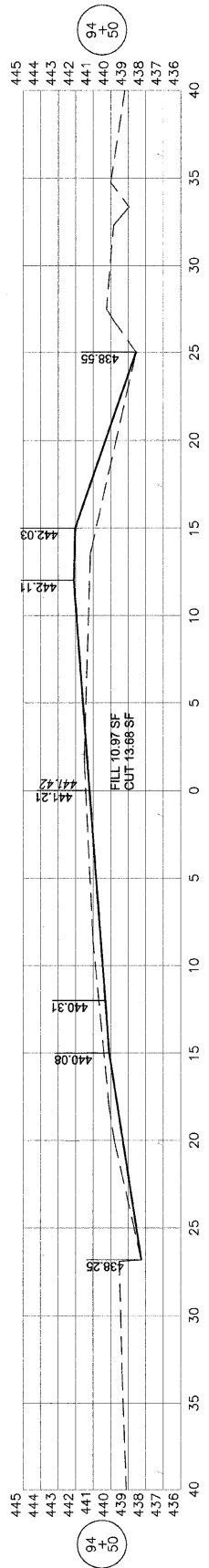
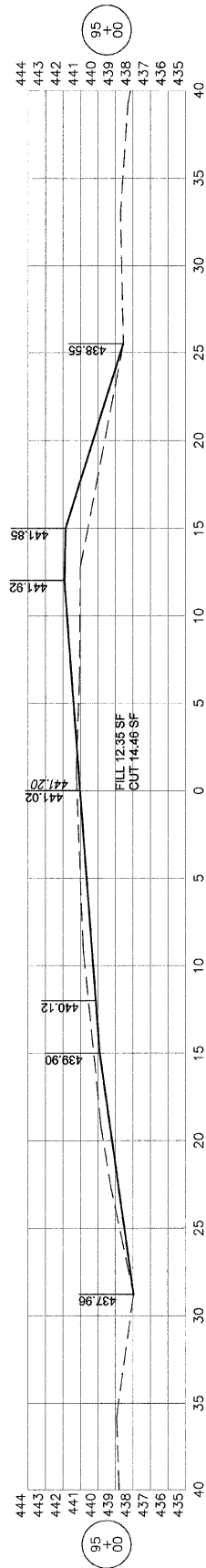


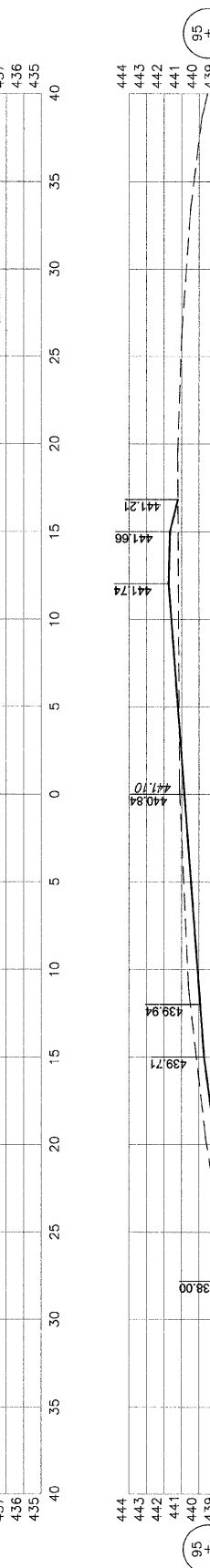
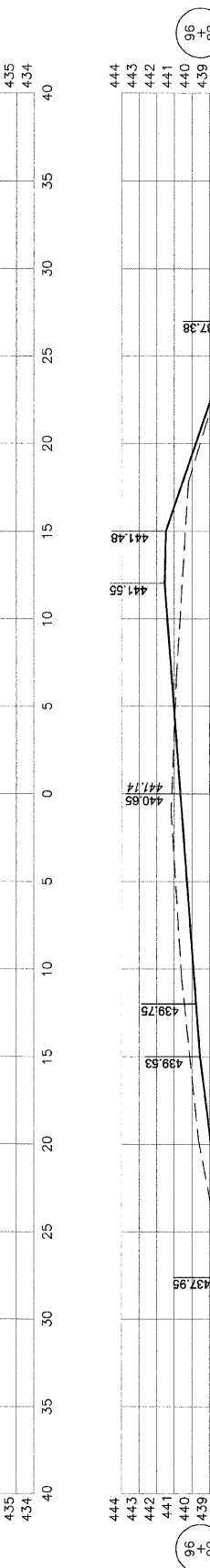
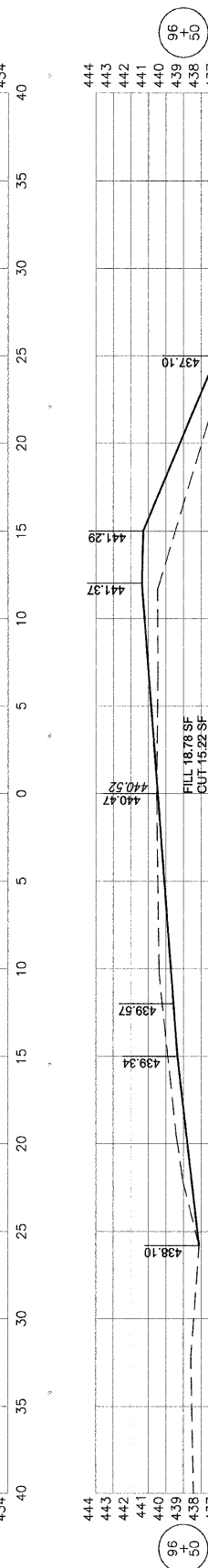
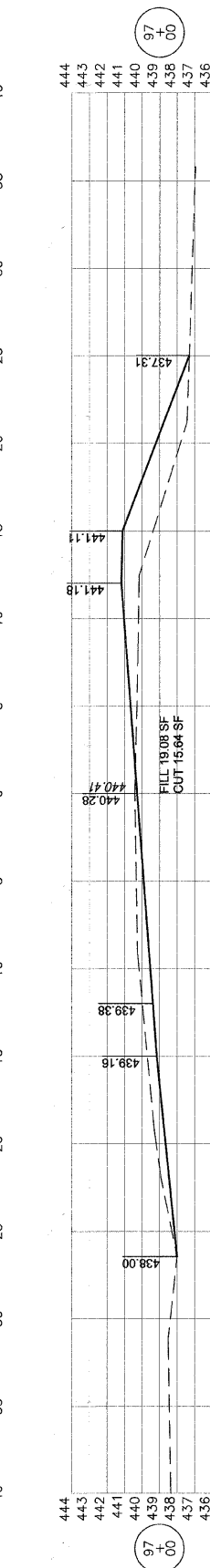
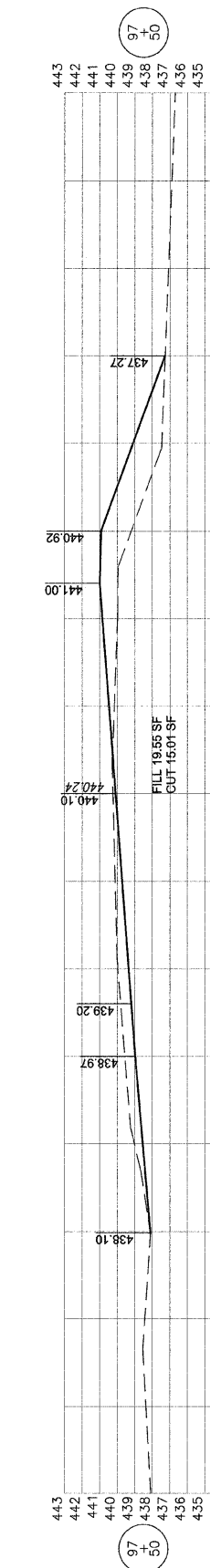
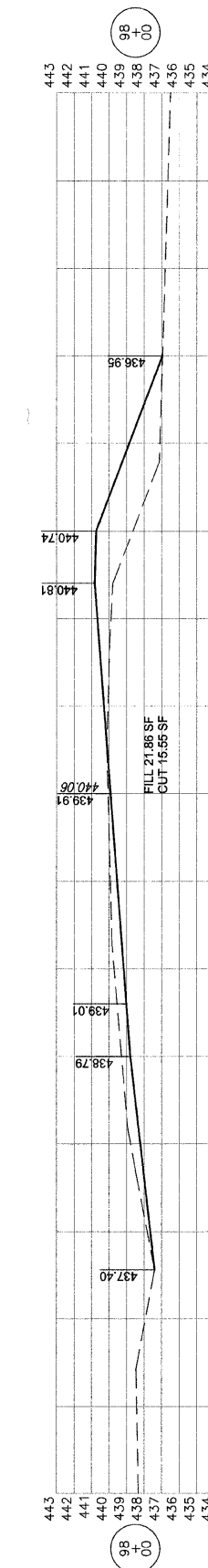
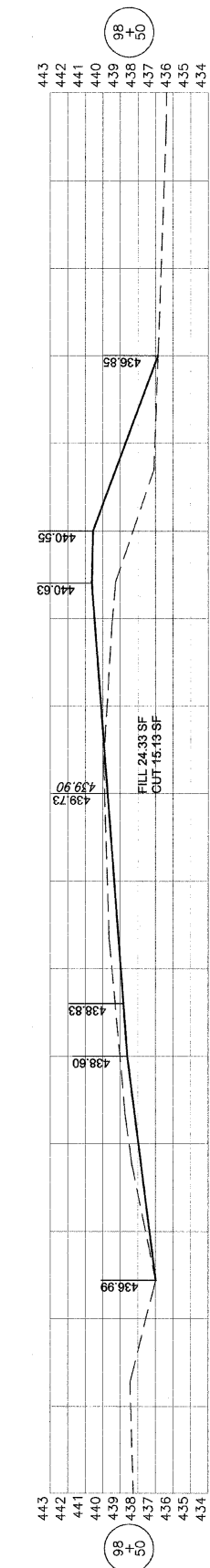
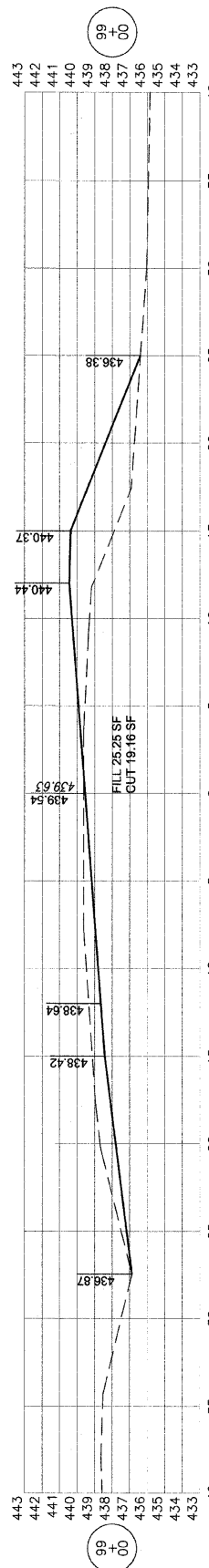
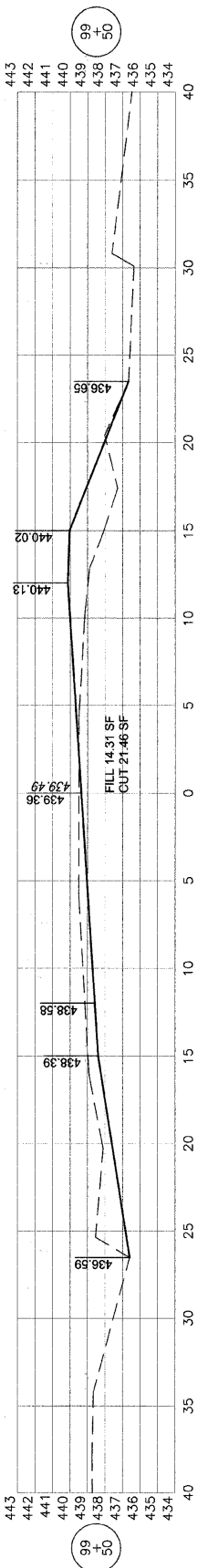
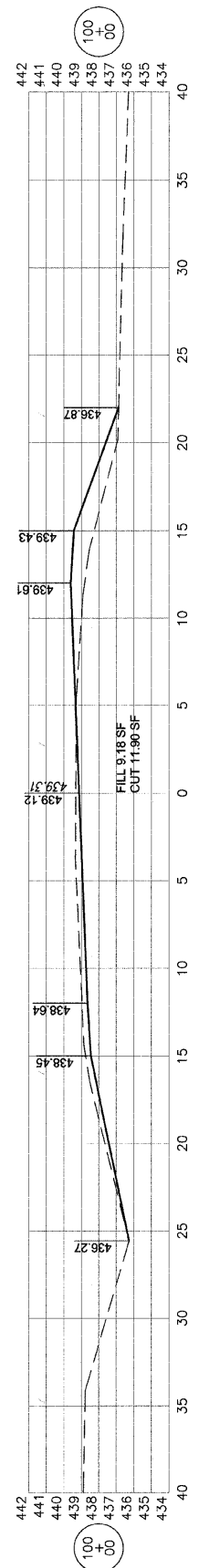
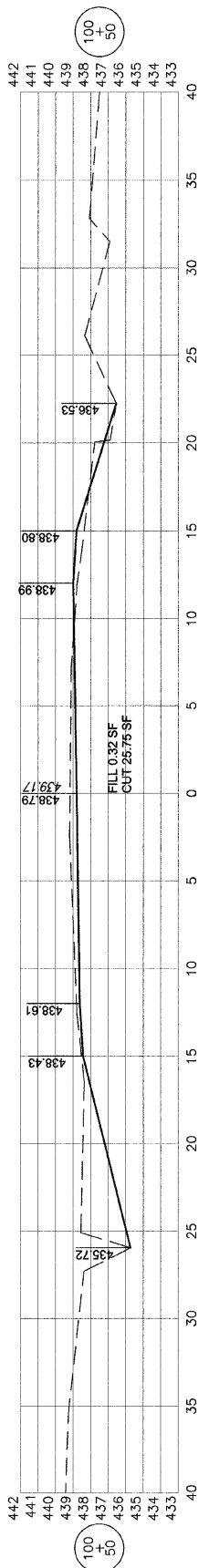
Horizontal Scale 10
Vertical Scale 10





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| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 08-00119-00-FP | WAYNE | 23 | 21 |
| PAPERTOWN ROAD | | | |
| CONTRACT # 95632 | | | |
| CROSS SECTIONS | | | |



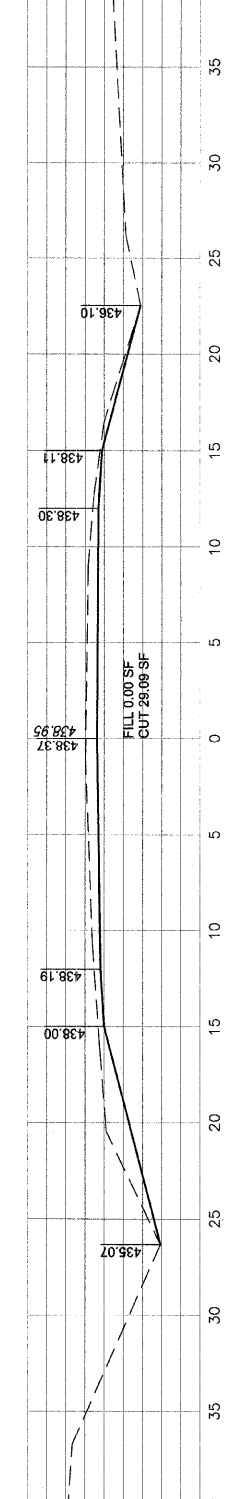


| SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------|--------|--------------|-----------|
| 08-00119-00-FP | WAYNE | 23 | 23 |
| PAPERTOWN ROAD | | | |
| CONTRACT #: 95632 | | | |
| CROSS SECTIONS | | | |

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