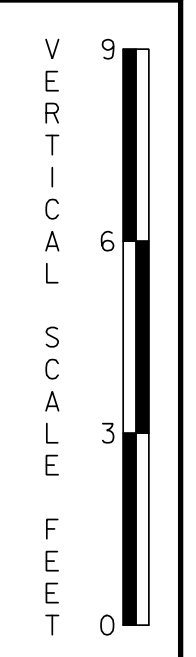
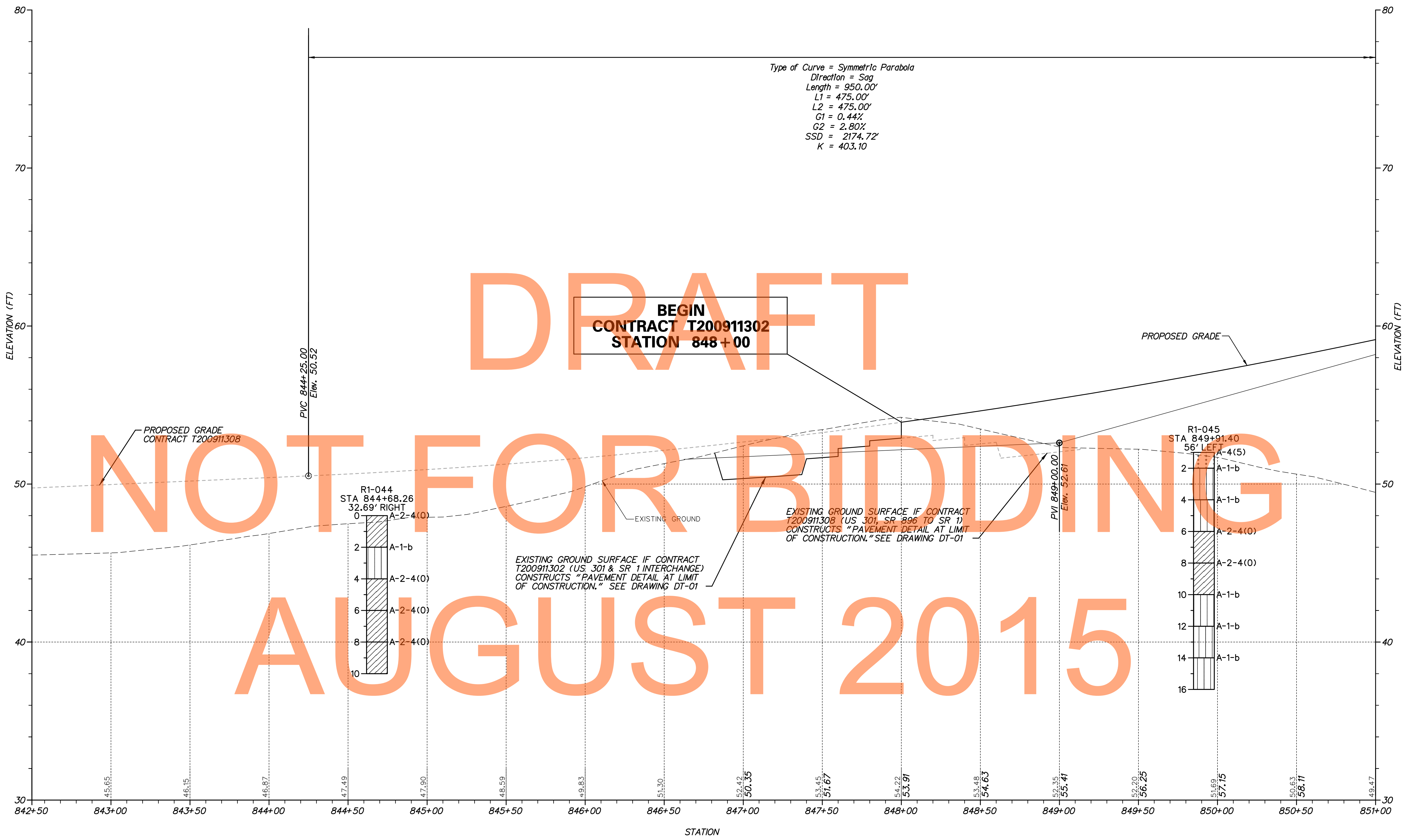


DRAFT

**BEGIN
CONTRACT T200911302
STATION 848+00**

Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 950.00'
 L1 = 475.00'
 L2 = 475.00'
 G1 = 0.44%
 G2 = 2.80%
 SSD = 2174.72'
 K = 403.10

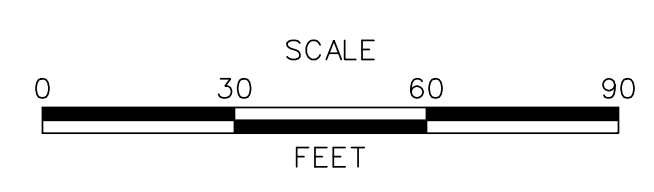


NOTE:
BORINGS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
MATERIALS ENCOUNTERED MAY NOT CORRESPOND TO BORING DATA PROVIDED HEREIN.

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| ADDENDUMS / REVISIONS | |
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**US 301 &
SR 1 INTERCHANGE**

| | |
|------------------------|---------------------|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: S.E.S. |
| | CHECKED BY: B.R.T. |

| | |
|-----------------|--------------------|
| PROFILES | SHEET NO. 49 |
| | TOTAL SHTS. 491 |

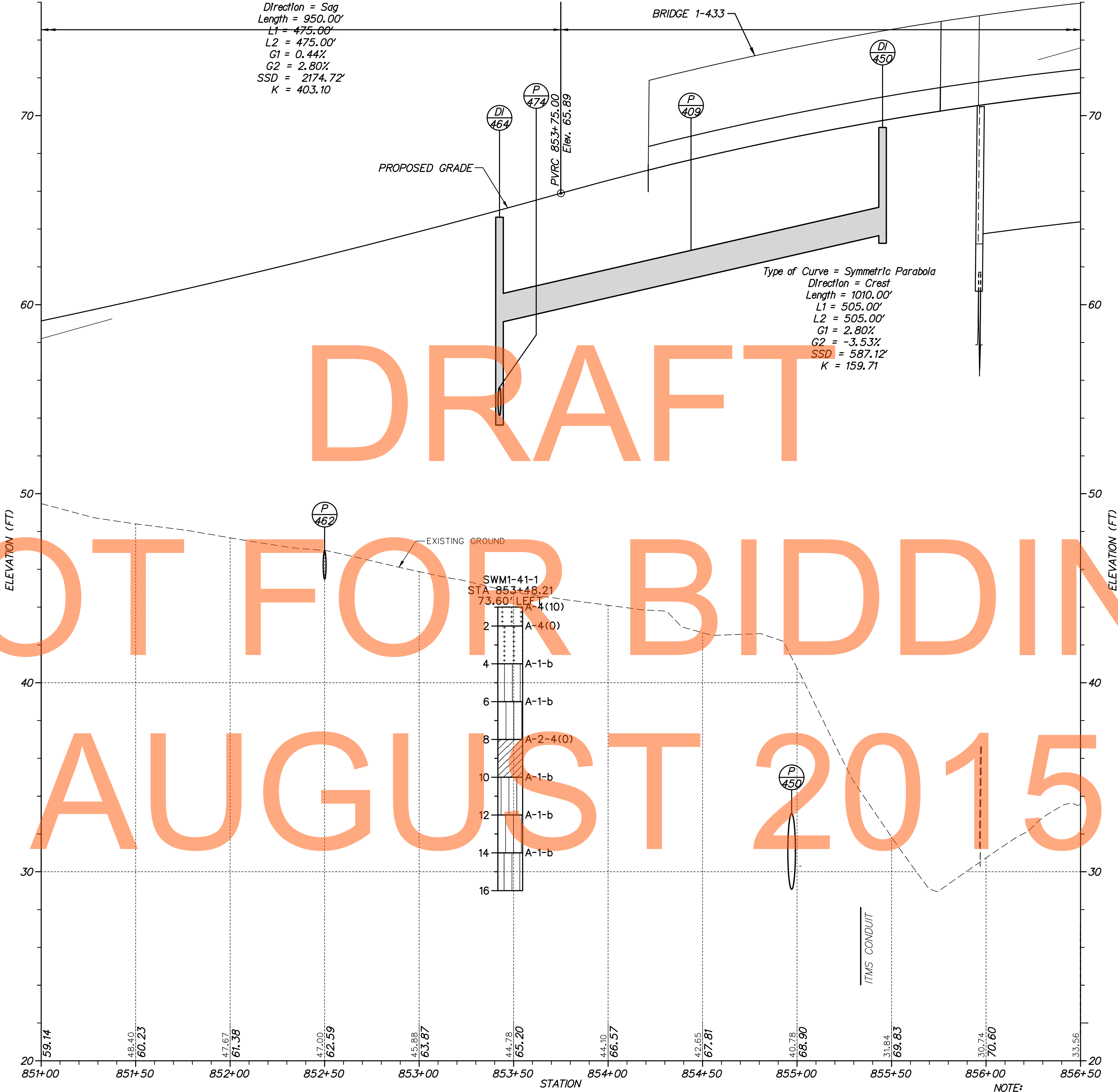
PF-01

Direction = Sag
 Length = 950.00'
 L1 = 475.00'
 L2 = 475.00'
 G1 = 0.44%
 G2 = 2.80%
 SSD = 2174.72'
 K = 403.10

BRIDGE 1-433

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 1010.00'
 L1 = 505.00'
 L2 = 505.00'
 G1 = 2.80%
 G2 = -3.53%
 SSD = 587.12'
 K = 159.71

DRAFT
 NOT FOR BIDDING
 AUGUST 2015

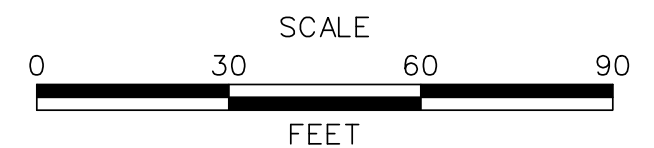


US 301 - NORTHBOUND

NOTE:
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ADDENDUMS / REVISIONS



**US 301 &
SR 1 INTERCHANGE**

| | |
|------------|---------------------|
| CONTRACT | BRIDGE NO. |
| T200911302 | DESIGNED BY: S.E.S. |
| COUNTY | CHECKED BY: B.R.T. |
| NEW CASTLE | |

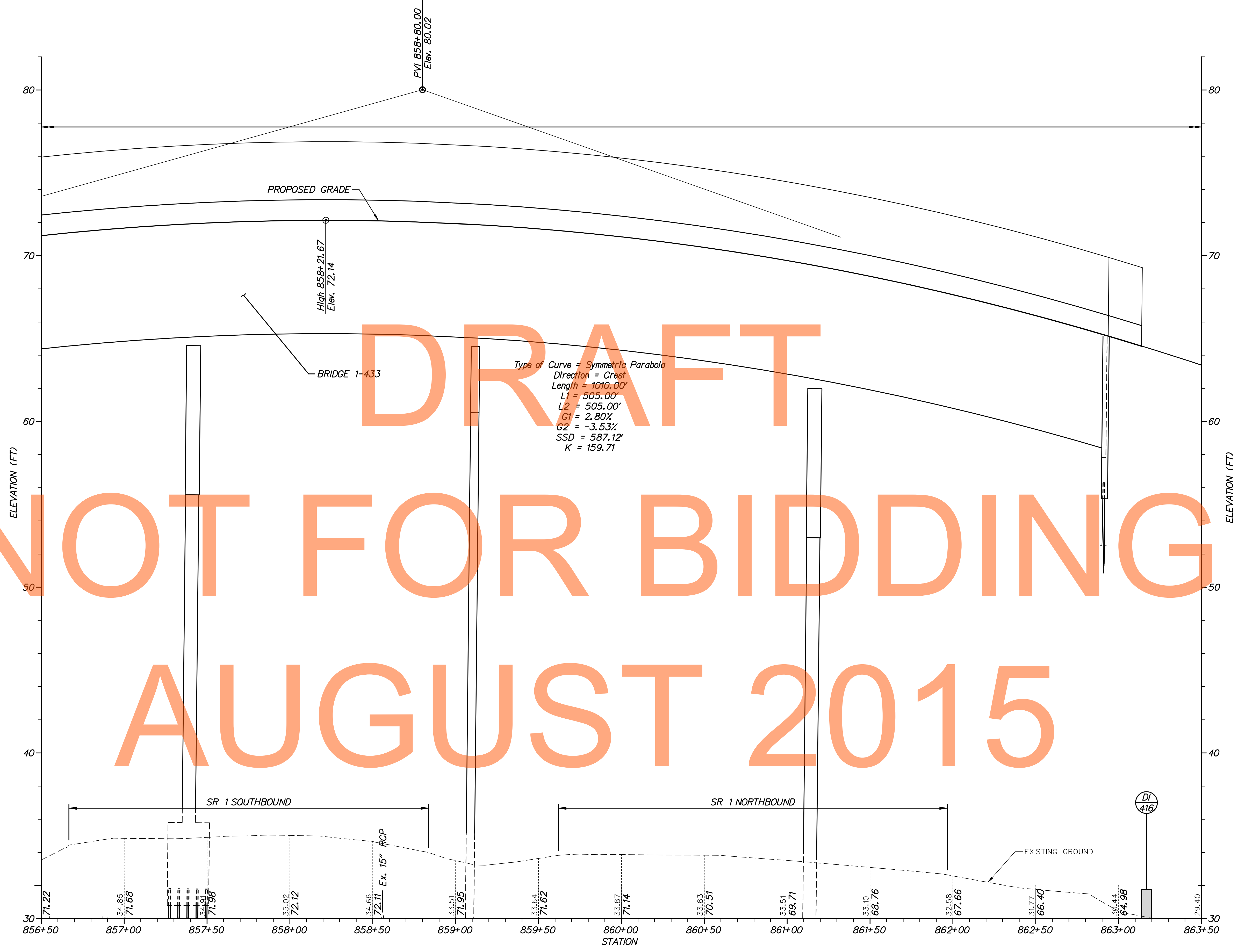
PROFILES

VERTICAL SCALE FEET

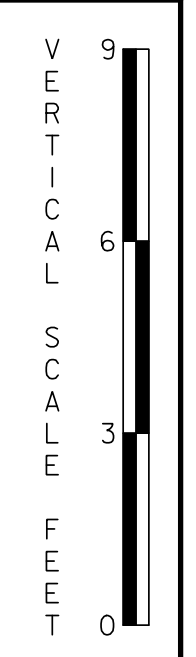
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| PF-02 | SHEET NO. |
| | 50 |
| | TOTAL SHTS. |
| | 491 |

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NOT FOR BIDDING
AUGUST 2015



US 301 - NORTHBOUND

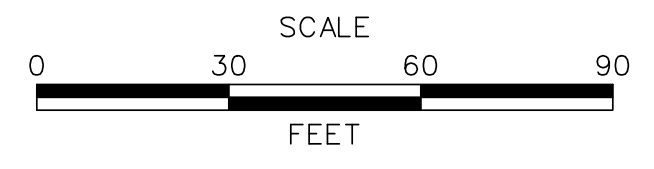


PF-03

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| SHEET NO. | 51 |
| TOTAL SHTS. | 491 |



| ADDENDUMS / REVISIONS | |
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**US 301 &
SR 1 INTERCHANGE**

| | | | |
|----------|------------|--------------|--------|
| CONTRACT | T200911302 | BRIDGE NO. | |
| COUNTY | NEW CASTLE | DESIGNED BY: | S.E.S. |
| | | CHECKED BY: | B.R.T. |

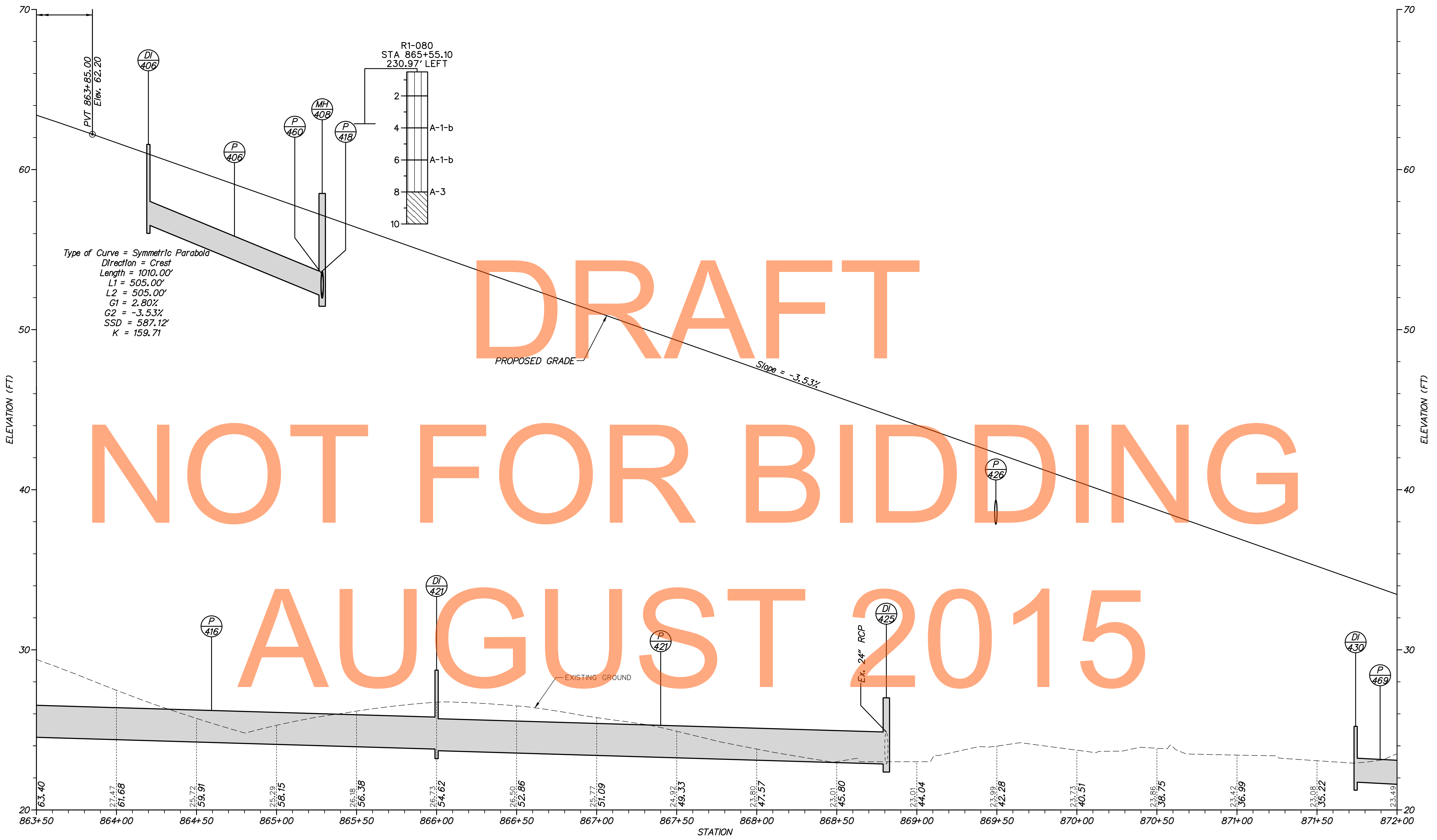
PROFILES

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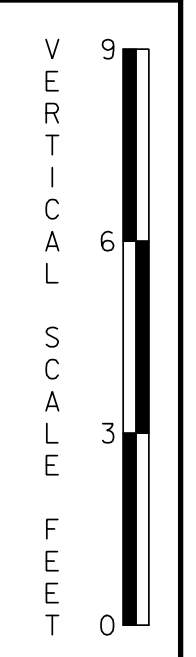
NOT FOR BIDDING

AUGUST 2015



US 301 - NORTHBOUND

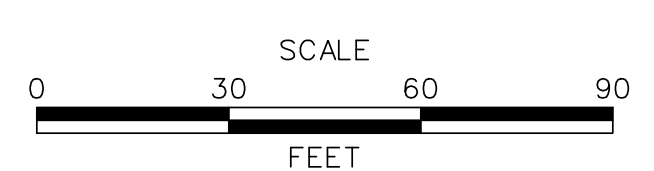
NOTE:
BORINGS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
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| ADDENDUMS / REVISIONS | |
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**US 301 &
SR 1 INTERCHANGE**

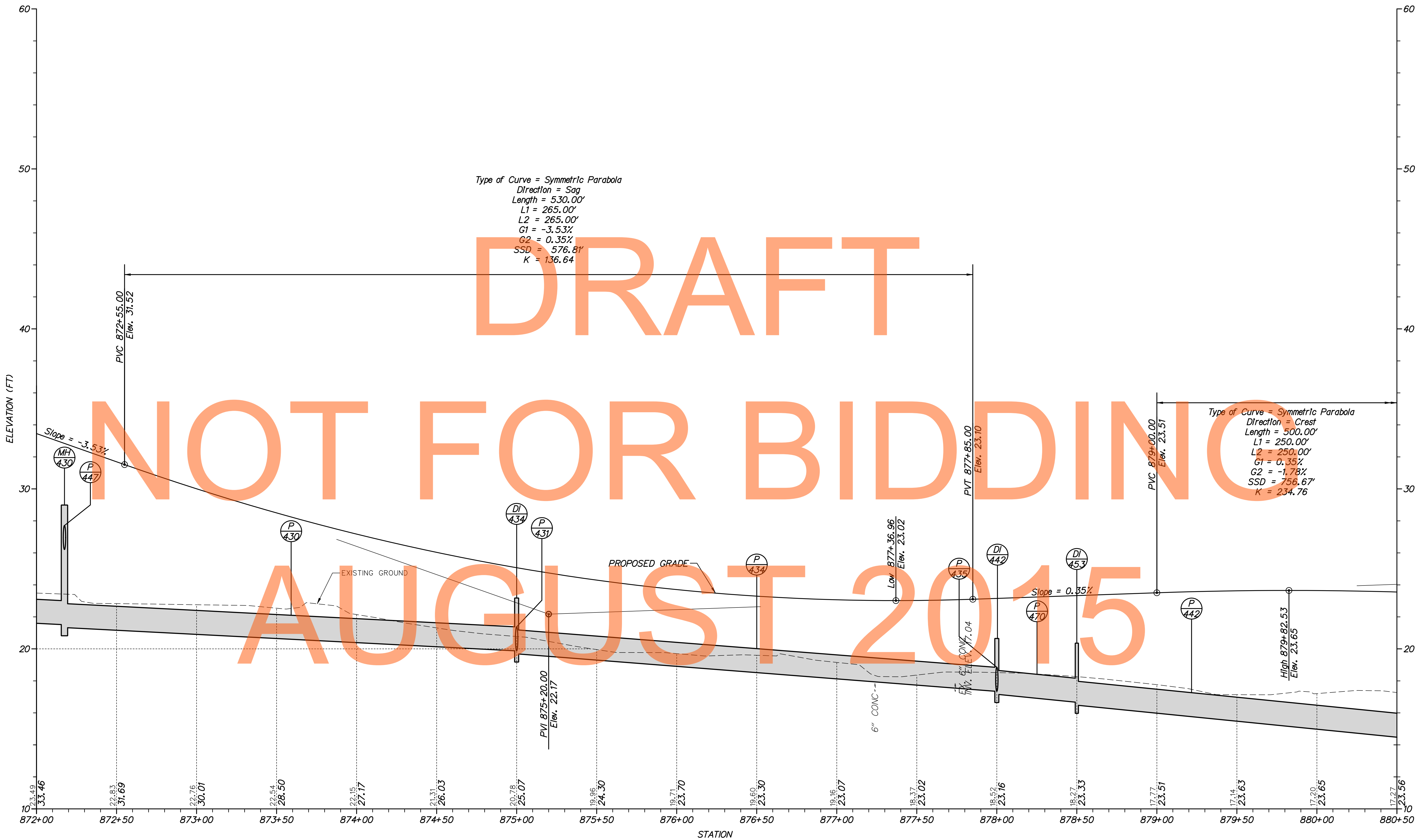
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|------------------------|---------------------|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: S.E.S. |
| | CHECKED BY: B.R.T. |

| | |
|-----------------|--------------------|
| PROFILES | SHEET NO. 52 |
| | TOTAL SHTS. 491 |

PF-04

Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 530.00'
 L1 = 265.00'
 L2 = 265.00'
 G1 = -3.53%
 G2 = 0.35%
 SSD = 576.81'
 K = 136.64

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 500.00'
 L1 = 250.00'
 L2 = 250.00'
 G1 = 0.35%
 G2 = -1.78%
 SSD = 756.67'
 K = 234.76

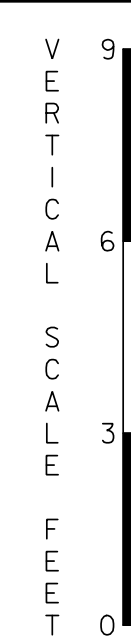


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NOT FOR BIDDING

AUGUST 2015

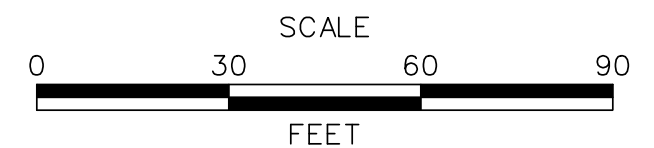
US 301 - NORTHBOUND



PF-05



ADDENDUMS / REVISIONS



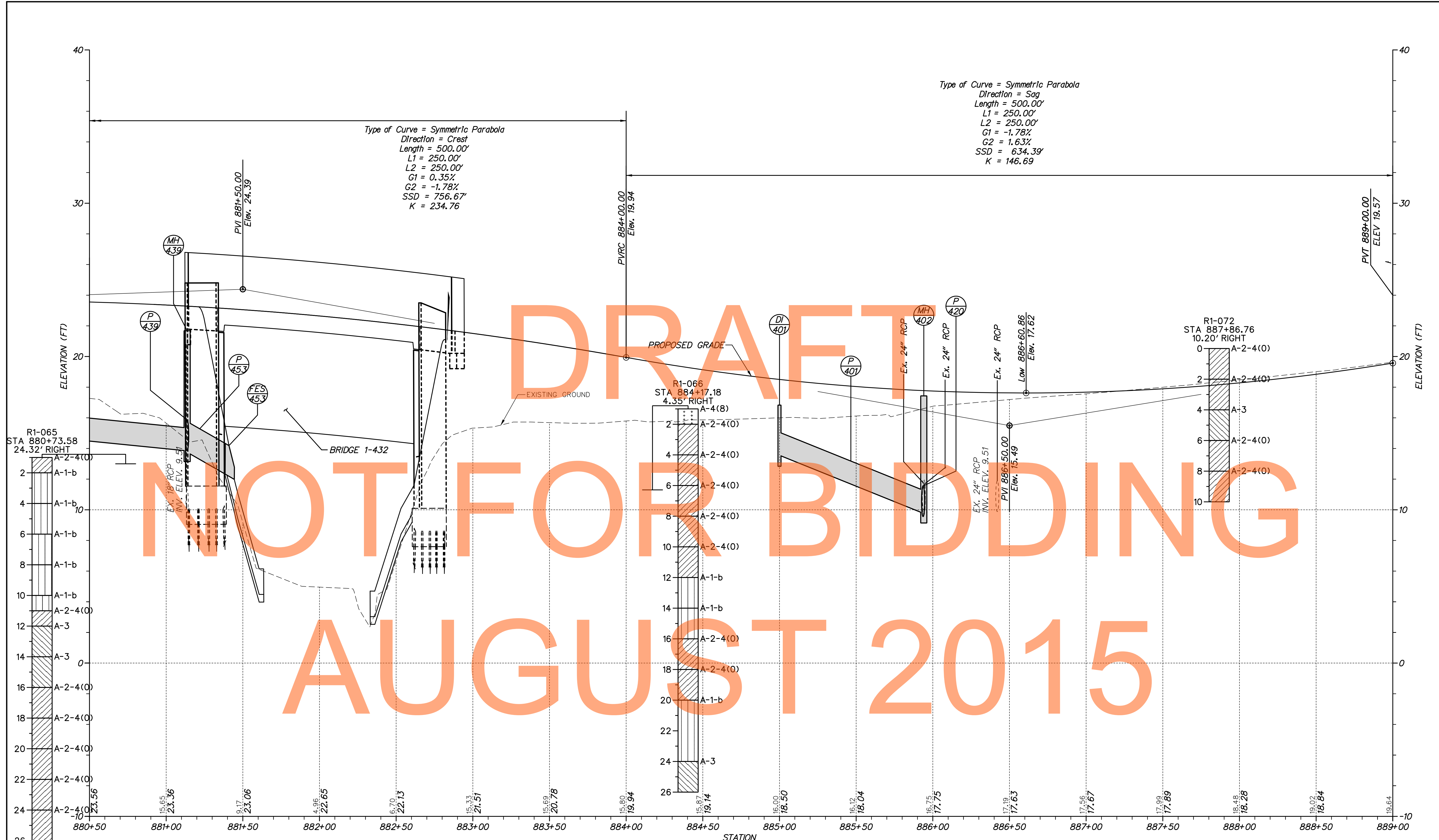
US 301 & SR 1 INTERCHANGE

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| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: S.E.S. |
| | CHECKED BY: B.R.T. |

PROFILES

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| SHEET NO. | 53 |
| TOTAL SHTS. | 491 |

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AUGUST 2015

US 301 - NORTHBOUND

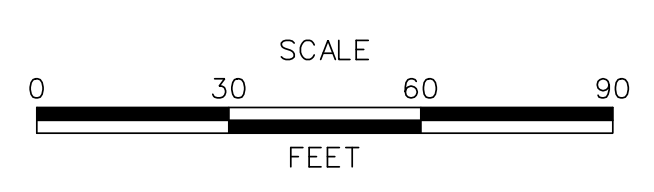
NOTE:
ROADWAY BORINGS ARE FOR INFORMATIONAL PURPOSES ONLY

NOTE:
BORINGS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
MATERIALS ENCOUNTERED MAY NOT CORRESPOND TO BORING DATA PROVIDED HEREIN.

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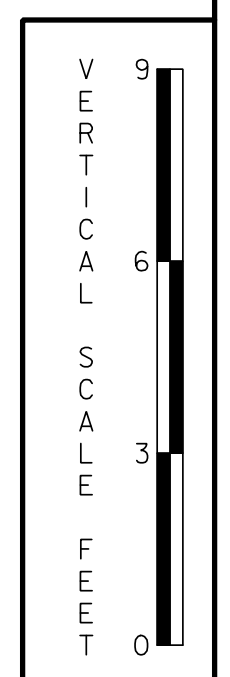
| ADDENDUMS / REVISIONS |
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**US 301 &
SR 1 INTERCHANGE**

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| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: S.E.S. |
| | CHECKED BY: B.R.T. |

PROFILES

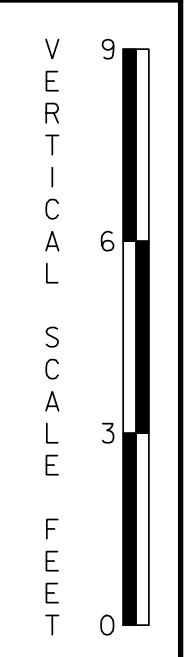


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| PF-06 |
| SHEET NO. 54 |
| TOTAL SHTS. 491 |

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NOT FOR BIDDING
AUGUST 2015



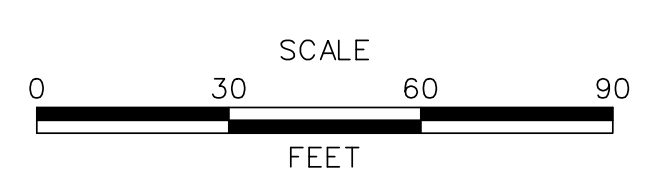
US 301 - NORTHBOUND



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| ADDENDUMS / REVISIONS | |
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**US 301 &
SR 1 INTERCHANGE**

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|------------------------|---------------------|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: S.E.S. |
| | CHECKED BY: B.R.T. |

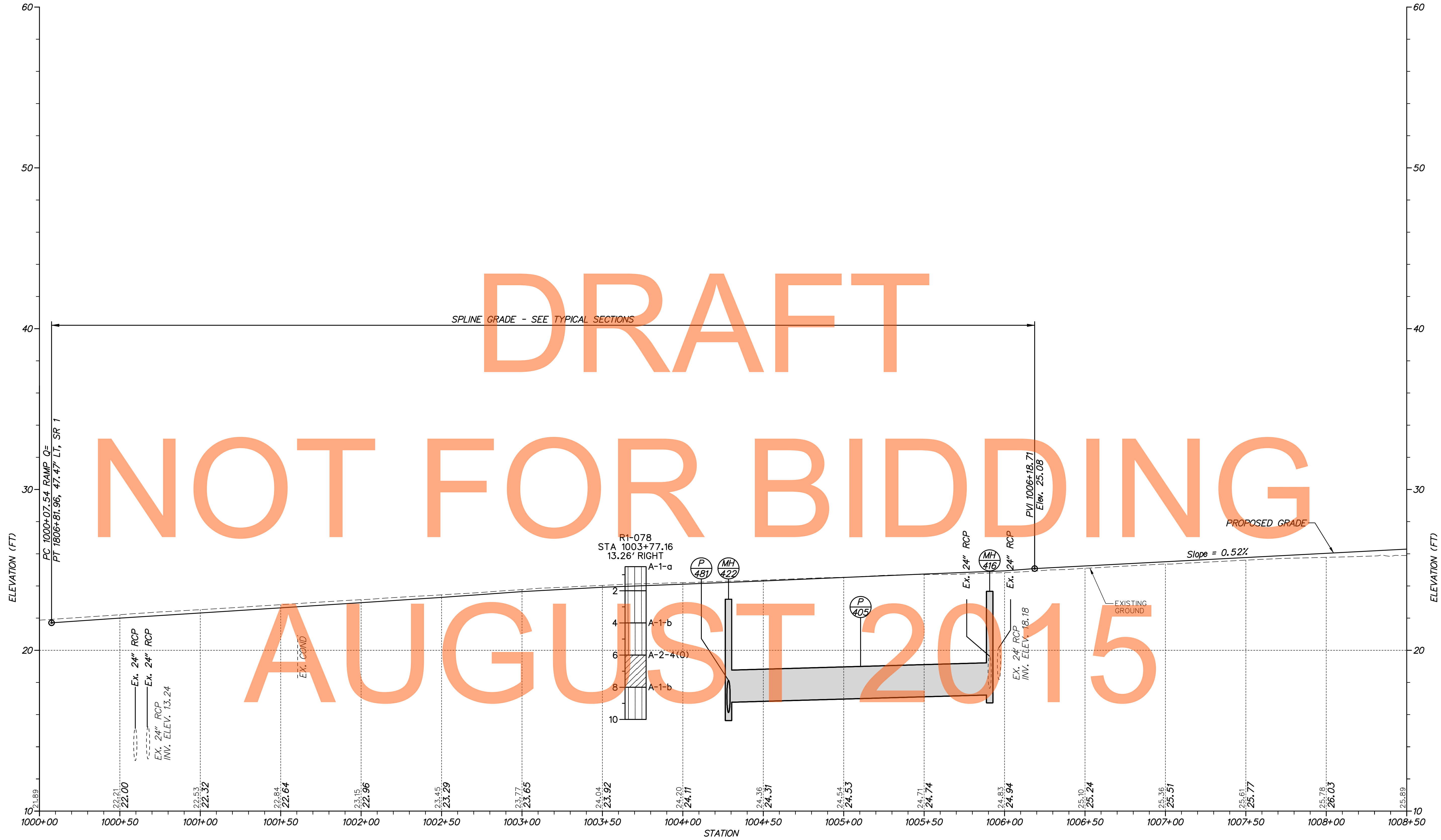
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| PROFILES |
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| PF-07 |
| SHEET NO. 55 |
| TOTAL SHTS. 491 |

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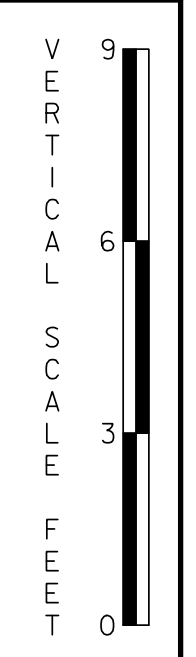
NOT FOR BIDDING

AUGUST 2015



RAMP Q

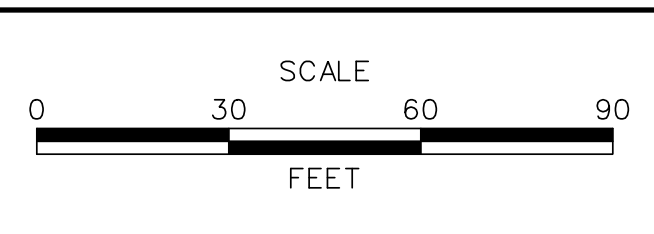
NOTE:
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| ADDENDUMS / REVISIONS | |
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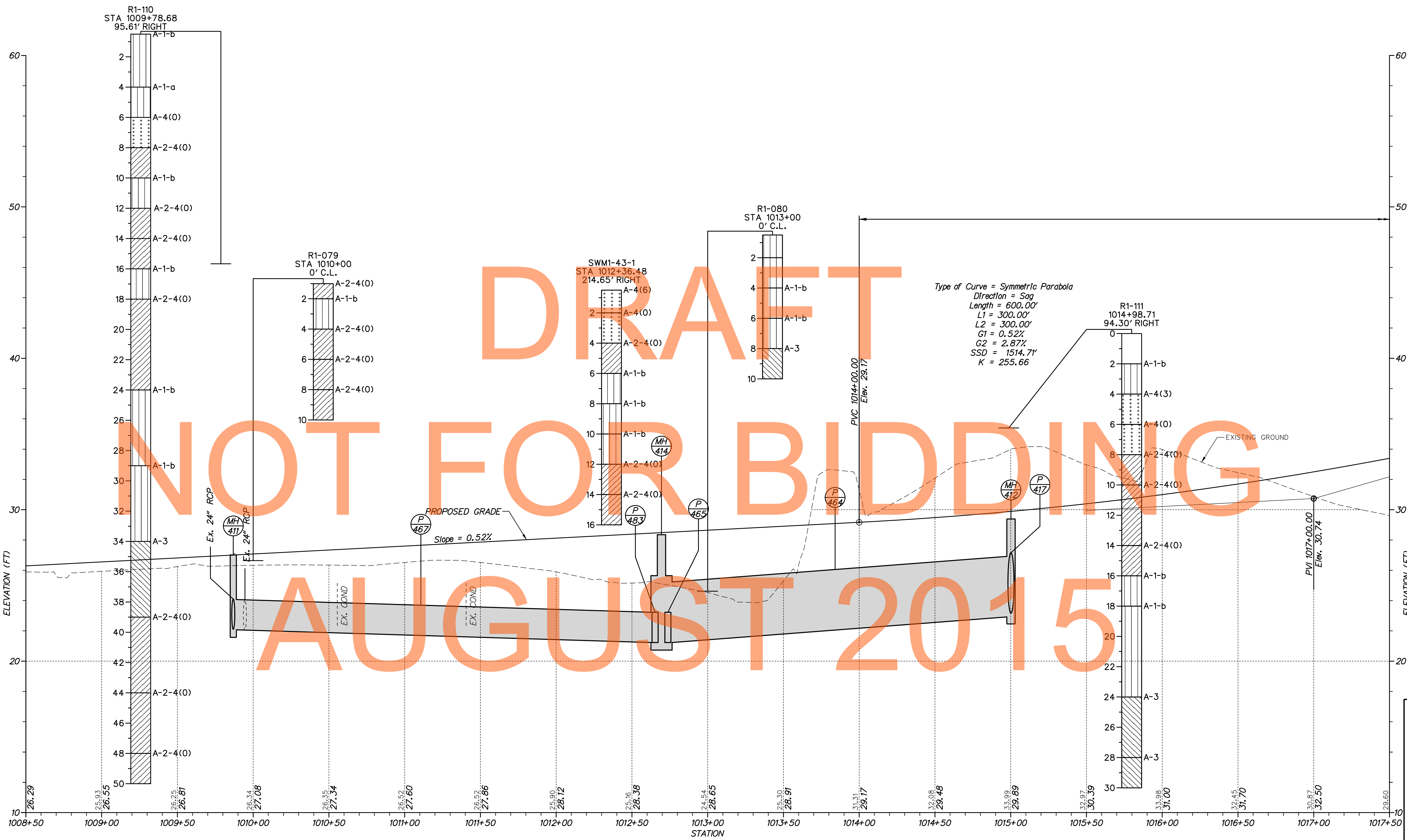


**US 301 &
SR 1 INTERCHANGE**

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|------------------------|---------------------|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: J.A.D. |
| | CHECKED BY: B.R.T. |

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|-----------------|--------------------|
| PROFILES | SHEET NO. 56 |
| | TOTAL SHTS. 491 |

PF-08



R1-110
STA 1009+78.68
95.61' RIGHT

R1-079
STA 1010+00
0' C.L.

SWM1-43-1
STA 1012+36.48
214.65' RIGHT

R1-080
STA 1013+00
0' C.L.

R1-111
1014+98.71
94.30' RIGHT

Type of Curve = Symmetric Parabola
Direction = Sag
Length = 600.00'
L1 = 300.00'
L2 = 300.00'
G1 = 0.52%
G2 = 2.87%
SSD = 1514.71'
K = 255.66

PROPOSED GRADE
Slope = 0.52%

PVC 1014+00.00
Elev. 29.17

PVI 1017+00.00
Elev. 30.74

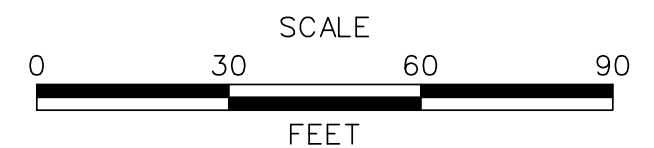
RAMP Q

NOTE:
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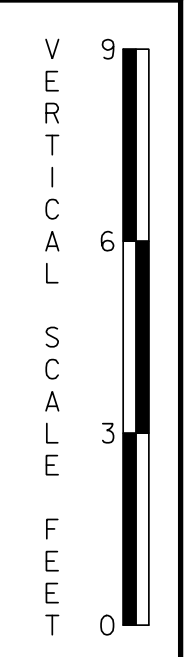
| ADDENDUMS / REVISIONS | |
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US 301 &
SR 1 INTERCHANGE

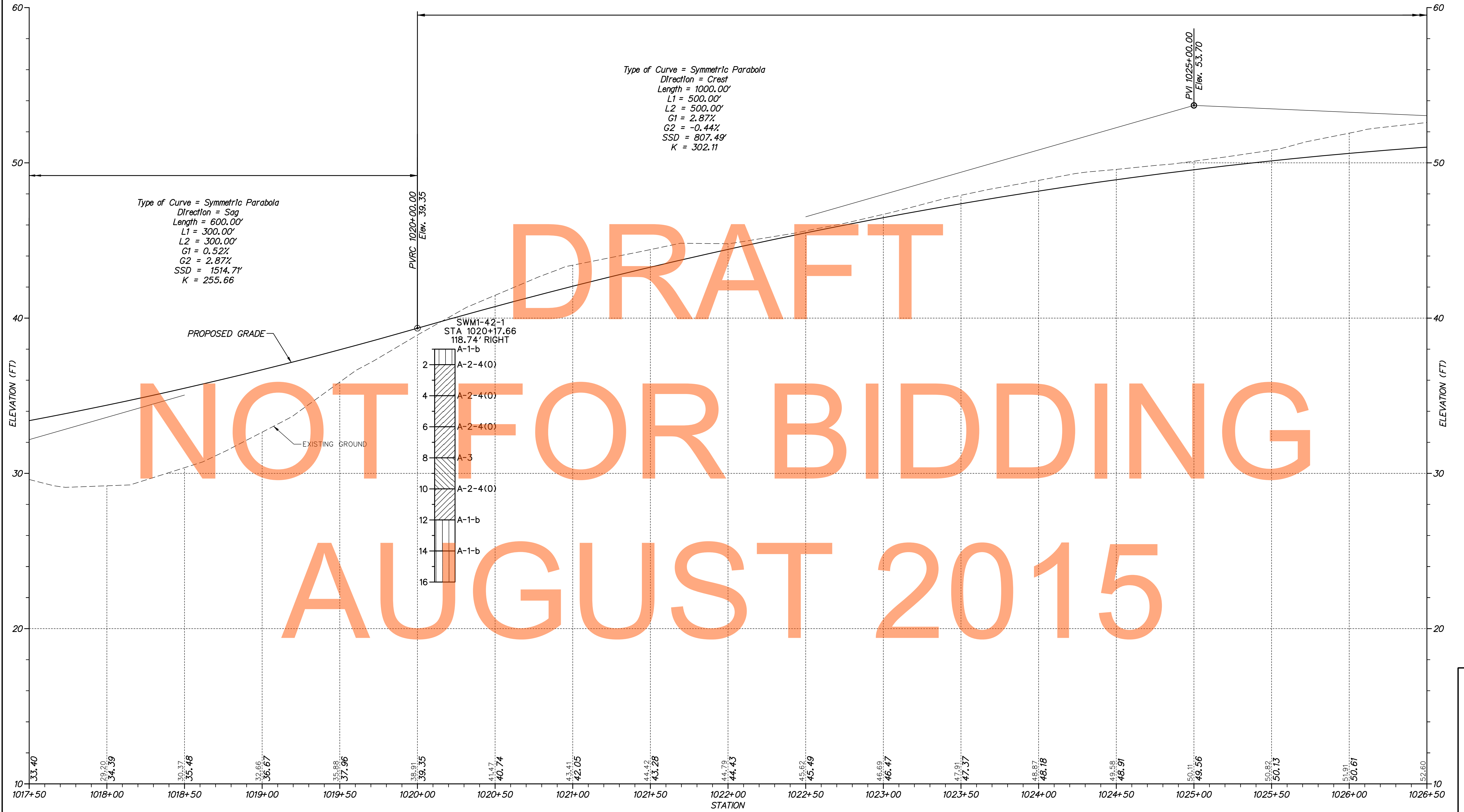
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|------------------------|---------------------|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: J.A.D. |
| | CHECKED BY: B.R.T. |

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| PROFILES | SHEET NO. 57 |
| | TOTAL SHTS. 491 |
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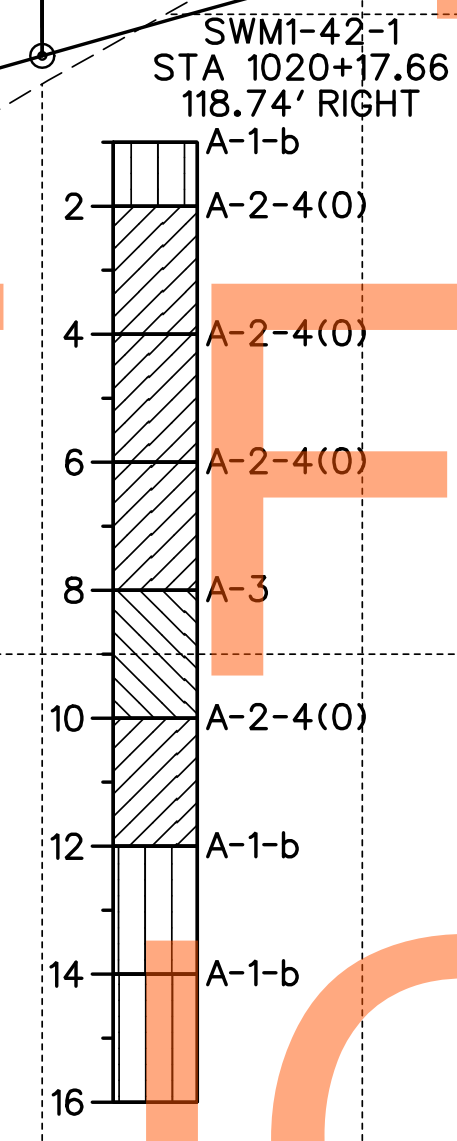
PF-09

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AUGUST 2015



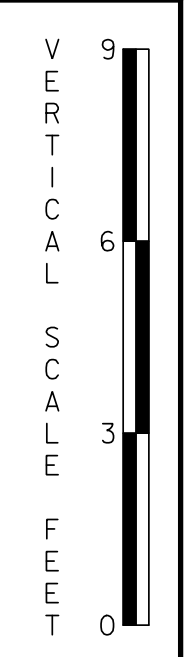
Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 600.00'
 L1 = 300.00'
 L2 = 300.00'
 G1 = 0.52%
 G2 = 2.87%
 SSD = 1514.71'
 K = 255.66

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 1000.00'
 L1 = 500.00'
 L2 = 500.00'
 G1 = 2.87%
 G2 = -0.44%
 SSD = 807.49'
 K = 302.11

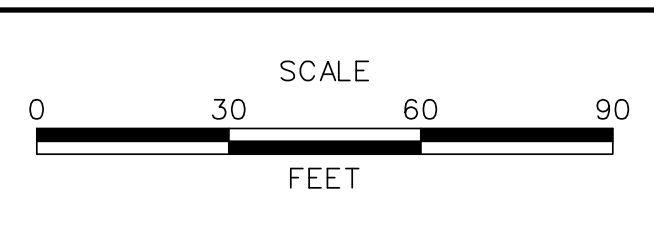


RAMP Q

NOTE:
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| ADDENDUMS / REVISIONS | |
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**US 301 &
SR 1 INTERCHANGE**

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|------------------------|---|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: J.A.D. CHECKED BY: B.R.T. |

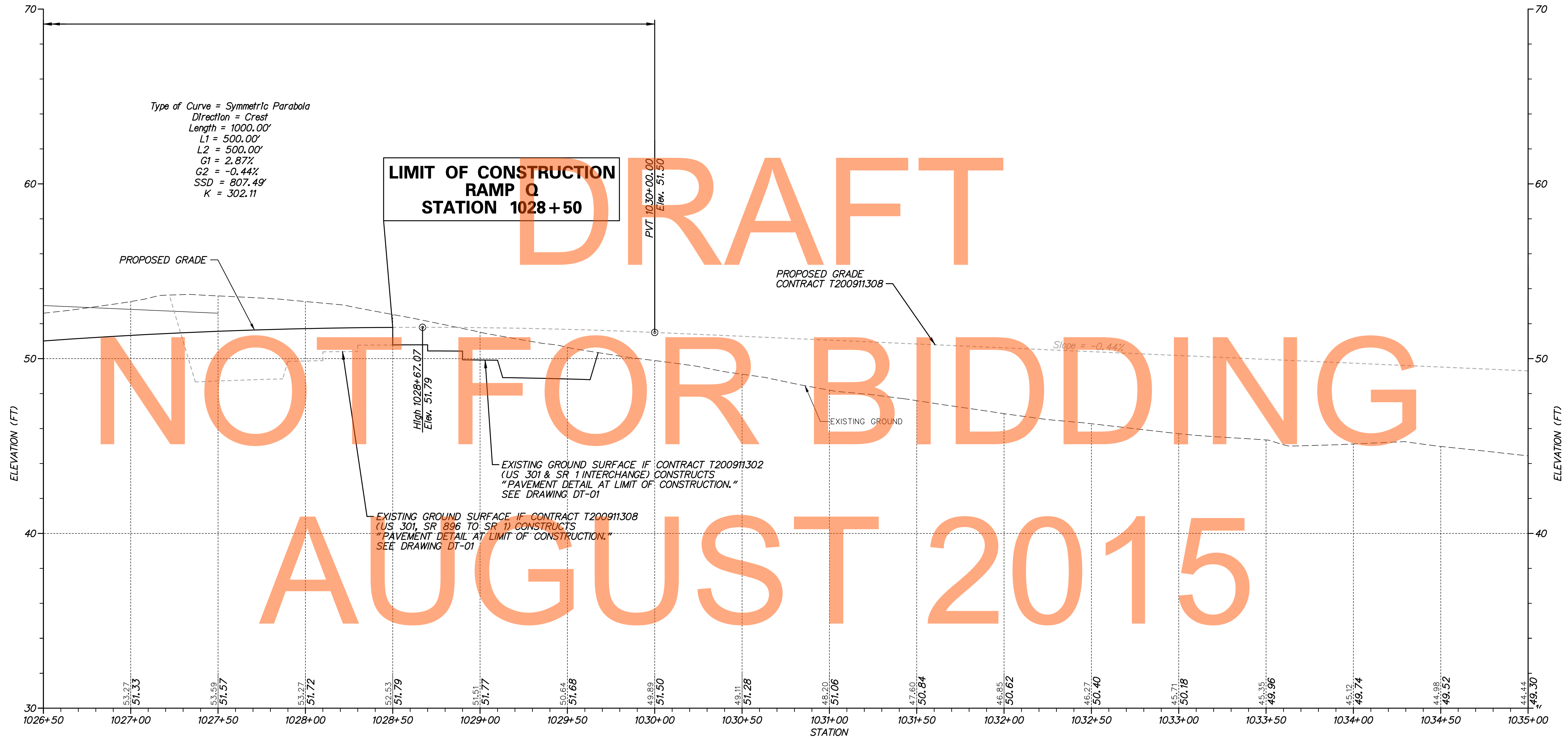
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| PROFILES | SHEET NO. 58 |
| | TOTAL SHTS. 491 |
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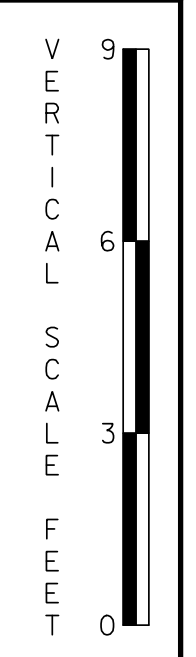
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NOT FOR BIDDING

AUGUST 2015



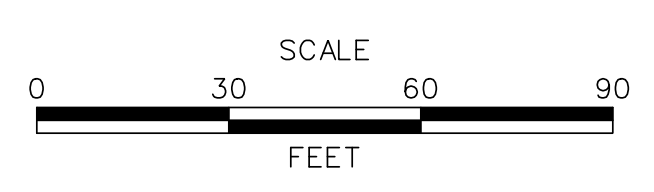
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| ADDENDUMS / REVISIONS | |
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US 301 & SR 1 INTERCHANGE

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| CONTRACT | BRIDGE NO. |
| T200911302 | |
| COUNTY | DESIGNED BY: J.A.D. |
| NEW CASTLE | CHECKED BY: B.R.T. |

| | |
|----------|-------------|
| PROFILES | SHEET NO. |
| | 59 |
| | TOTAL SHTS. |
| | 491 |

Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 580.00'
 L1 = 290.00'
 L2 = 290.00'
 G1 = -0.95%
 G2 = 5.00%
 SSD = 431.39'
 K = 97.44

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 720.00'
 L1 = 360.00'
 L2 = 360.00'
 G1 = 5.00%
 G2 = -3.51%
 SSD = 427.25'
 K = 84.58

EXISTING GROUND SURFACE IF CONTRACT T200911302 (US 301 & SR 1 INTERCHANGE) CONSTRUCTS "PAVEMENT DETAIL AT LIMIT OF CONSTRUCTION." SEE DRAWING DT-01

FINISHED GROUND SURFACE IF CONTRACT T201011302 (US 13 & PORT PENN RD INTERSECTION) CONSTRUCTS "PAVEMENT DETAIL AT LIMIT OF CONSTRUCTION." SEE DRAWING DT-01

**LIMIT OF CONSTRUCTION
 RAMP R
 STATION 316+00**

PROPOSED GRADE
 CONTRACT T201011302

PROPOSED GRADE

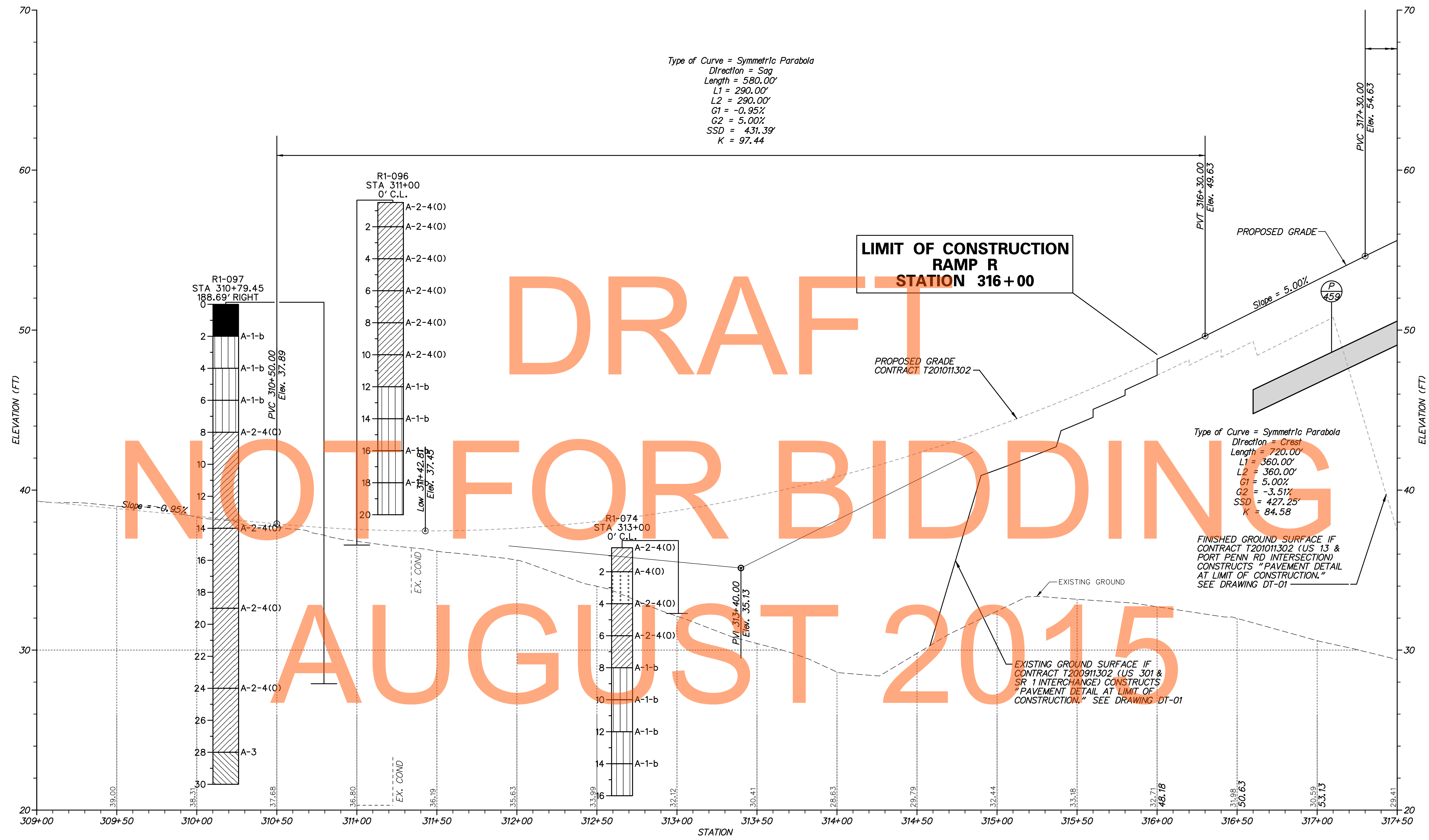
Slope = 5.00%

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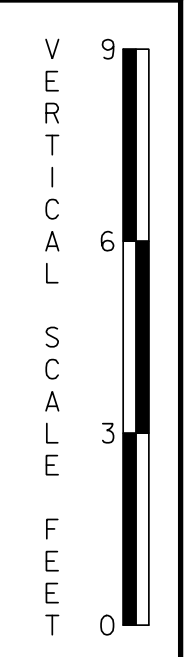
EXISTING GROUND

EXISTING GROUND SURFACE IF CONTRACT T200911302 (US 301 & SR 1 INTERCHANGE) CONSTRUCTS "PAVEMENT DETAIL AT LIMIT OF CONSTRUCTION." SEE DRAWING DT-01

DRAFT
NOT FOR BIDDING
AUGUST 2015



RAMP R

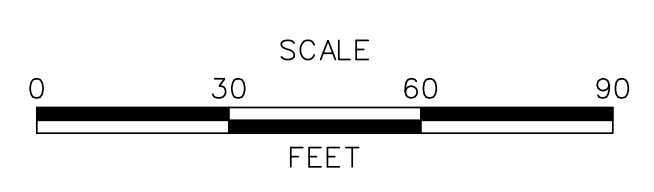


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| ADDENDUMS / REVISIONS | |
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**US 301 &
 SR 1 INTERCHANGE**

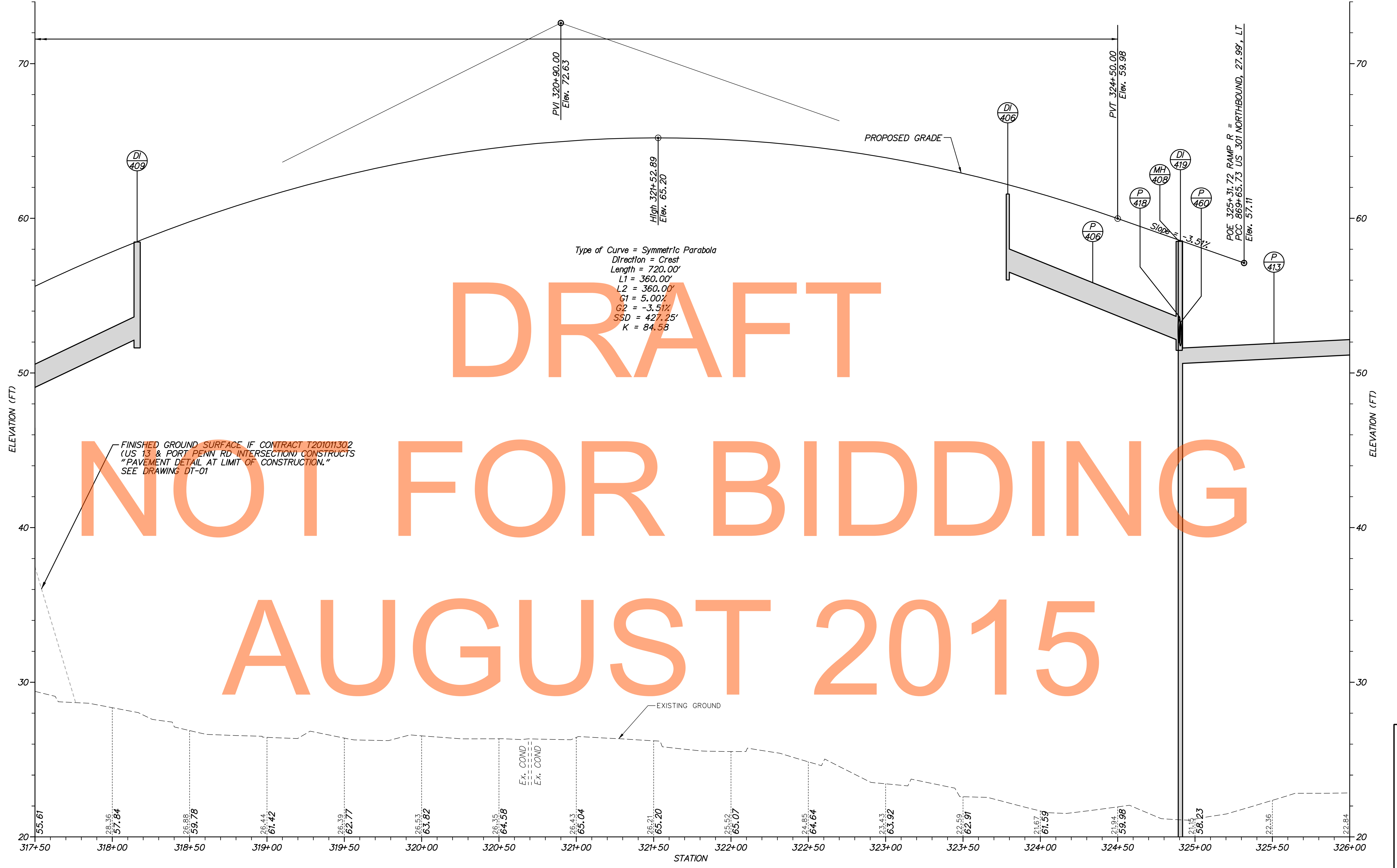
| | |
|------------------------|---------------------|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: S.E.S. |
| | CHECKED BY: B.R.T. |

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| PROFILES | SHEET NO. 60 |
| | TOTAL SHTS. 491 |

DRAFT

NOT FOR BIDDING

AUGUST 2015



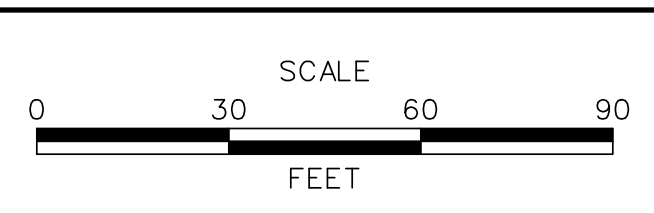
FINISHED GROUND SURFACE IF CONTRACT T201011302 (US 13 & PORT PENN RD INTERSECTION) CONSTRUCTS "PAVEMENT DETAIL AT LIMIT OF CONSTRUCTION." SEE DRAWING DT-01

RAMP R

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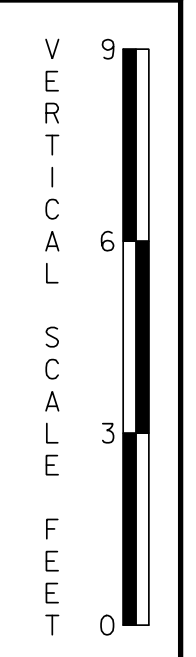
| ADDENDUMS / REVISIONS |
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US 301 &
SR 1 INTERCHANGE

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|------------------------|---|
| CONTRACT T200911302 | BRIDGE NO. |
| COUNTY NEW CASTLE | DESIGNED BY: S.E.S. CHECKED BY: B.R.T. |

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|--------------------|
| PROFILES |
| SHEET NO. 61 |
| TOTAL SHTS. 491 |



PF-13