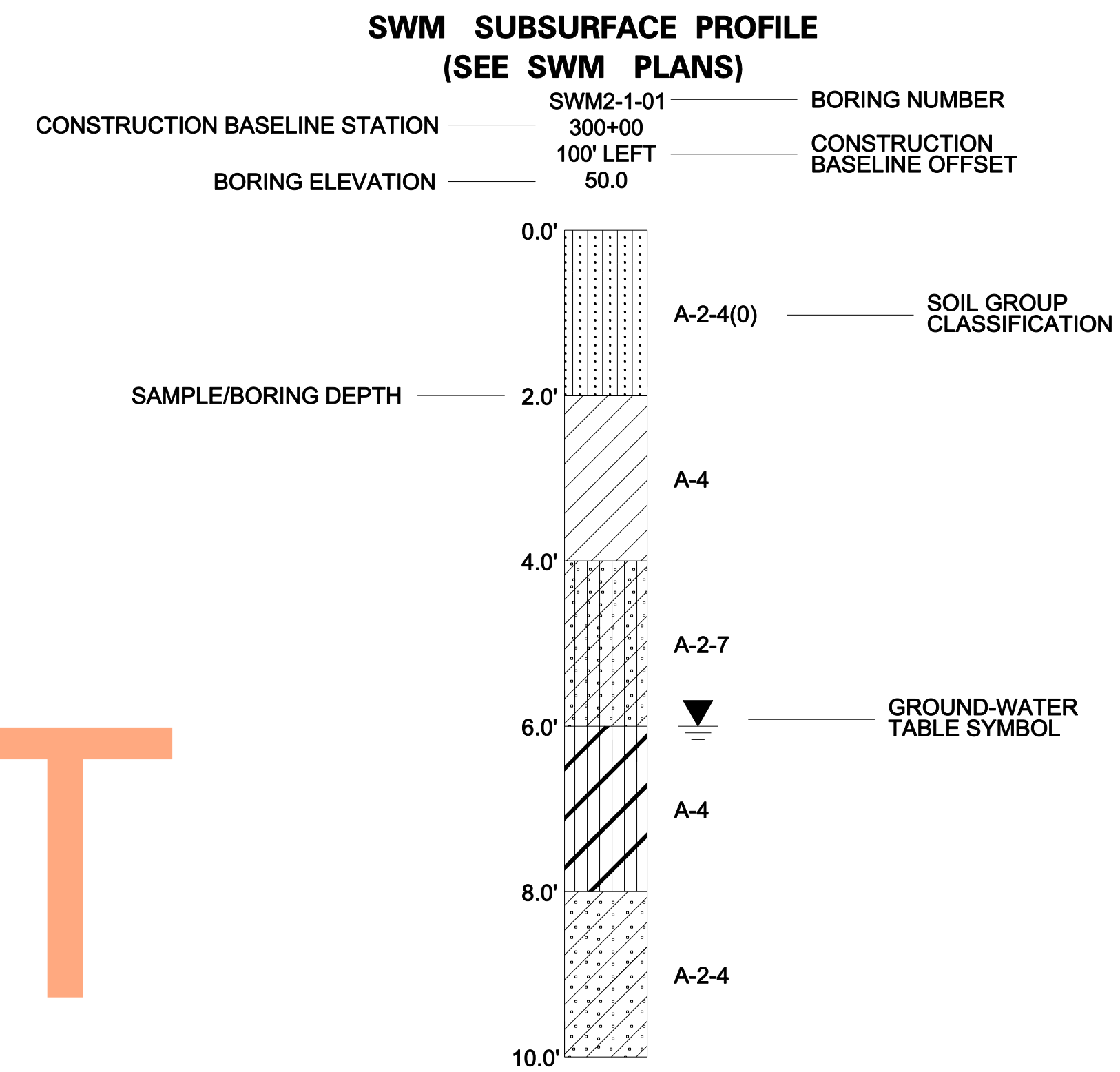
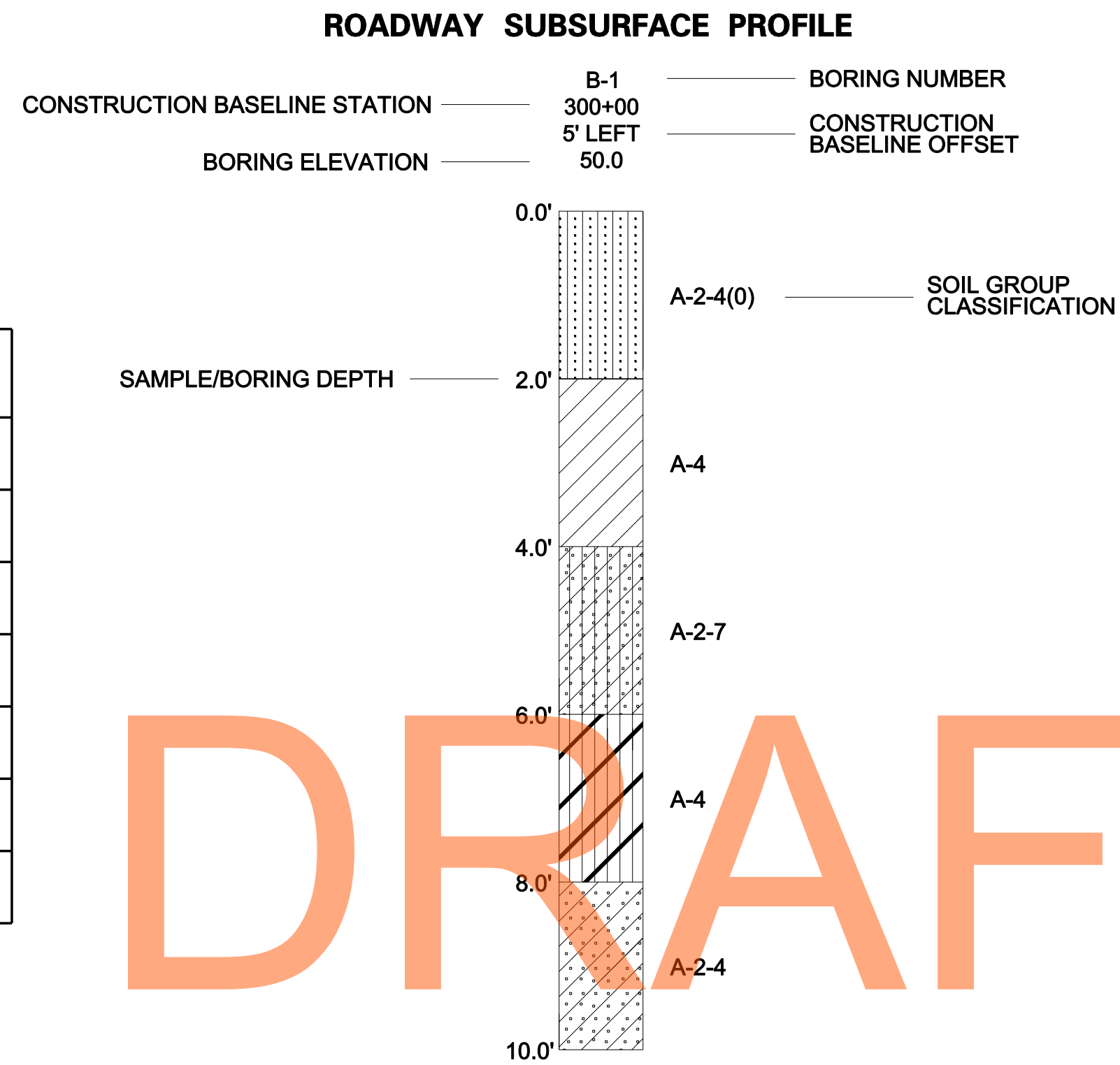


SYMBOLS	SOIL GROUP CLASSIFICATION
	A-2-4
	A-4
	A-2-4, A-1-b
	A-4, A-2-4, A-6, A-2-7, A-2-6, A-7-6
	A-4
	A-4, A-6
	A-1-b, A-3, A-1-a



*FOR GROUNDWATER READINGS REFER TO TYPED BORING LOGS LOCATED IN APPENDIX B - US 301 SECTION ROADWAY GEOTECHNICAL ENGINEERING REPORT

GROUNDWATER - WATER ELEVATION TABLE DEPTH AT 6.0'

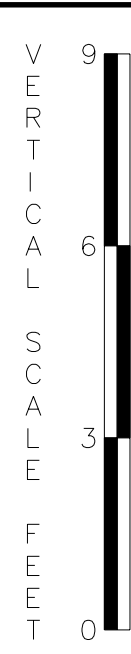
DRAFT

NOT FOR BIDDING

AASHTO SOIL CLASSIFICATION SYSTEM

GENERAL CLASSIFICATION	GRANULAR MATERIALS 35% OR LESS PASSING THE 0.075 mm SIEVE						SILT-CLAY MATERIALS >35% PASSING THE 0.075 mm SIEVE			
	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				
SIEVE ANALYSIS, % PASSING										
2.00 mm (No. 10)	50 MAX	---	---	---	---	---	---	---	---	---
0.425 (No. 40)	30 MAX	50 MAX	51 MAX	---	---	---	---	---	---	---
0.075 (No. 200)	15 MAX	25 MAX	10 MAX	35 MAX	35 MAX	35 MAX	35 MAX	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
PLASTICITY INDEX	6 MAX	N.P.	N.P.	10 MAX	10 MAX	11 MIN	11 MIN	10 MAX	10 MAX	11 MIN
USUAL TYPES OF SIGNIFICANT CONSTITUENT MATERIALS	STONE FRAGMENTS, GRAVEL AND SAND		FINE SAND	SILTY OR CLAYEY GRAVEL AND SAND			SILTY SOILS		CLAYEY SOILS	

August 2015

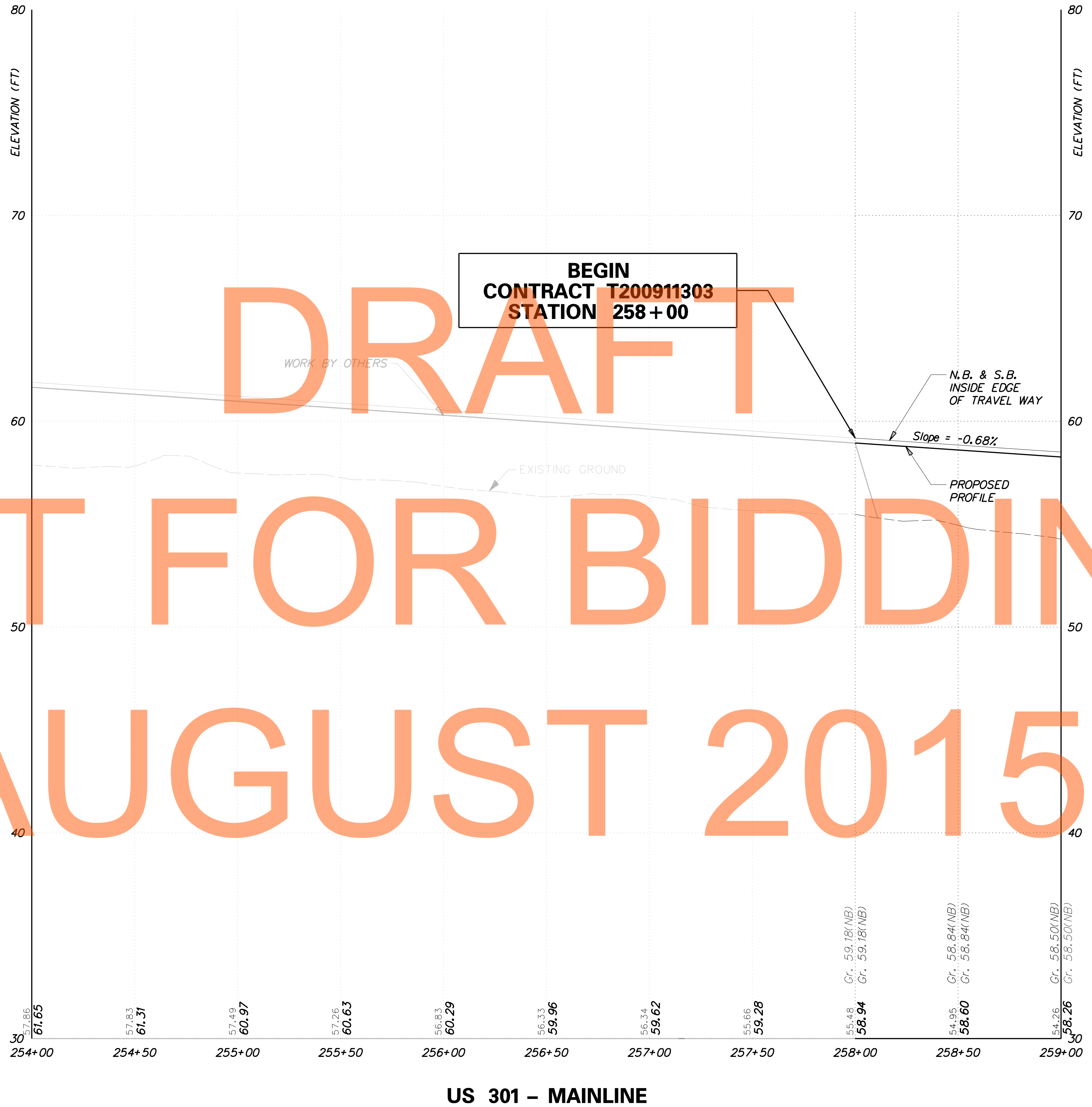


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NOT FOR BIDDING

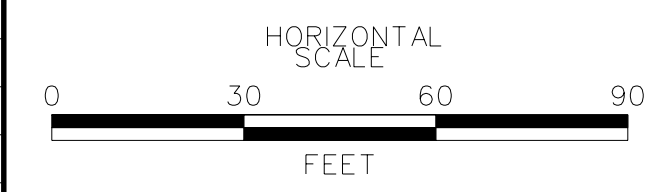
AUGUST 2015



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ADDENDUMS / REVISIONS

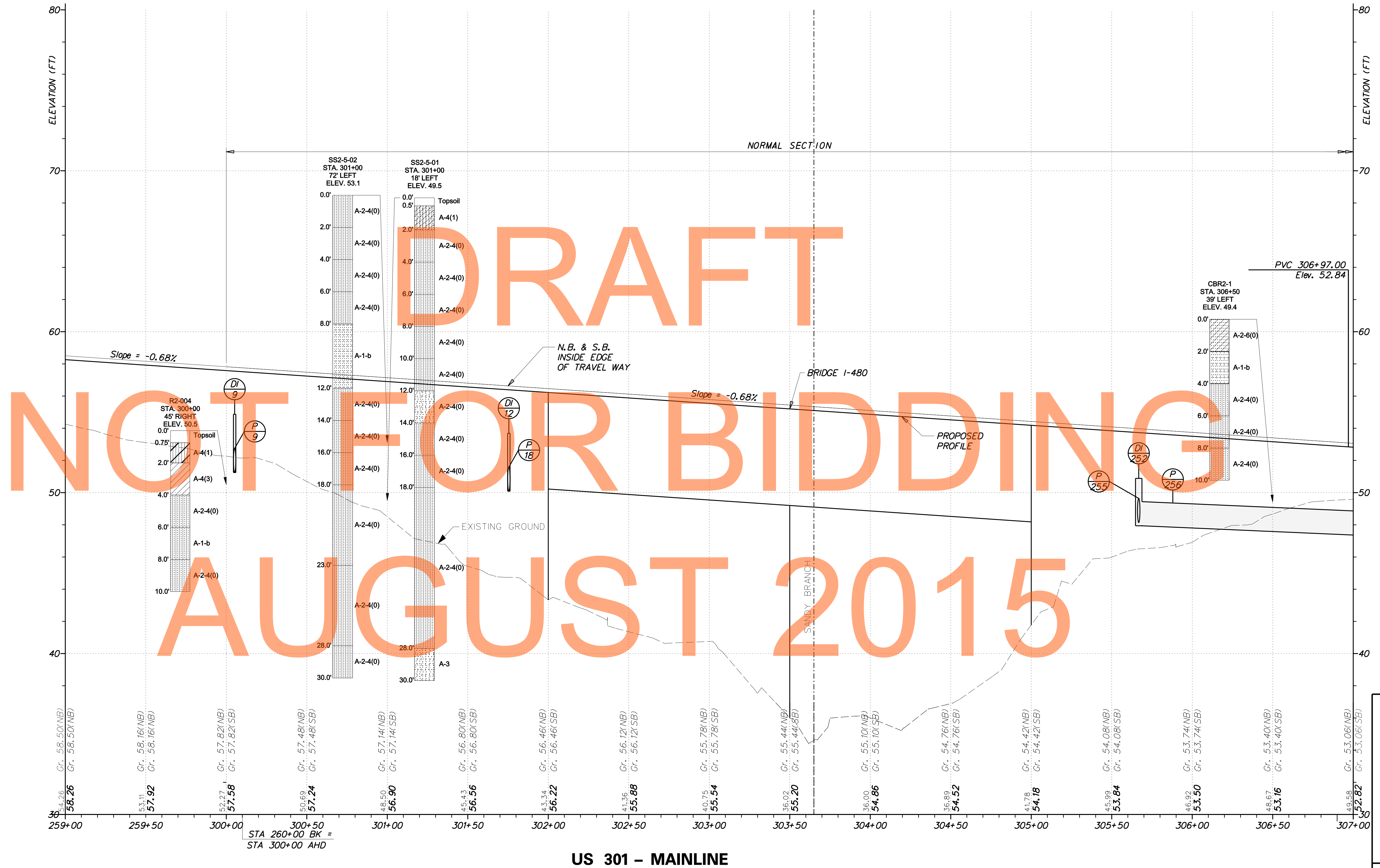


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

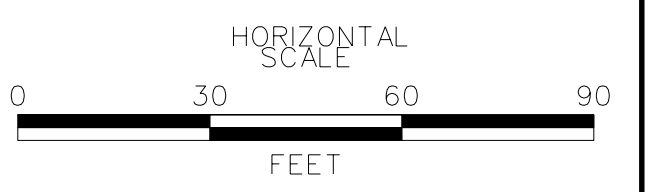
VERTICAL SCALE FEET	9 6 3 0
SHEET NO.	134
TOTAL SHTS.	1256



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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	T200911303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	AM
CHECKED BY:	DRB

PROFILES

CONTRACT	PF-03
SHEET NO.	135
TOTAL SHTS.	1256

ELEVATION (FT)

80

70

60

50

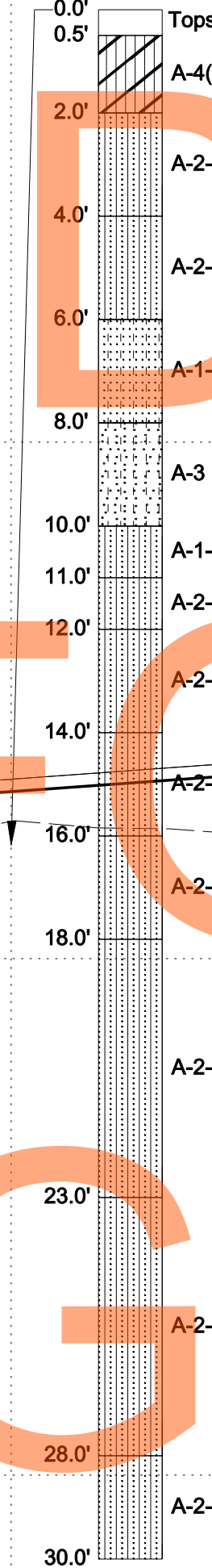
40

30

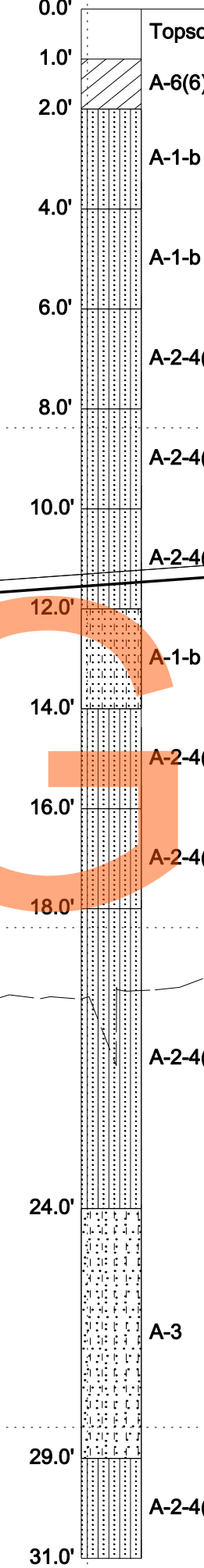
Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 256.00'
 G1 = -0.68%
 G2 = 0.72%
 K = 182.79
 HLSD = UNLIMITED

NORMAL SECTION

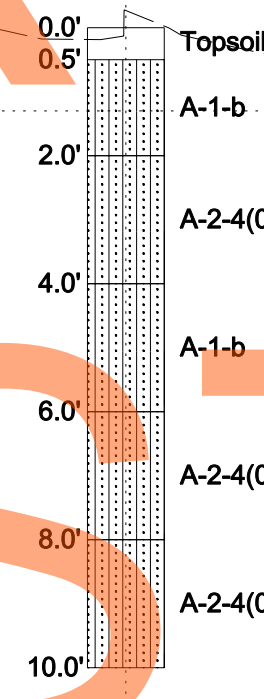
SS2-1-02
 STA. 310+00
 80' LEFT
 ELEV. 52.2



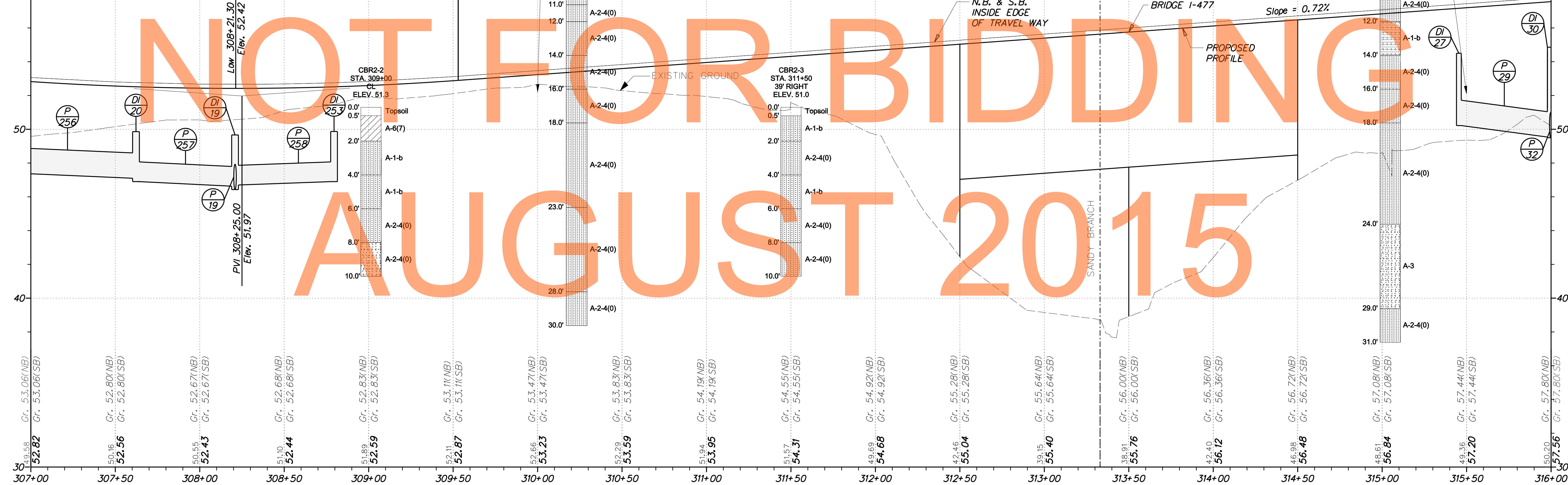
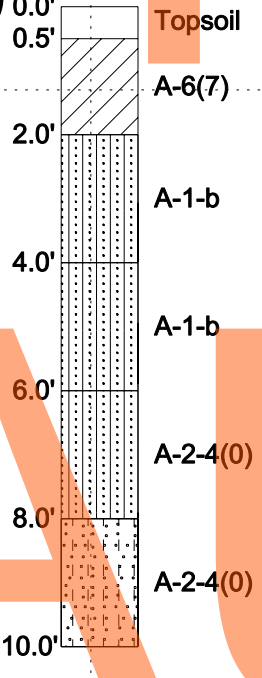
SS2-1-01
 STA. 315+50
 75' LEFT
 ELEV. 52.1



CBR2-3
 STA. 311+50
 39' RIGHT
 ELEV. 51.0



CBR2-2
 STA. 309+00
 CL
 ELEV. 51.3

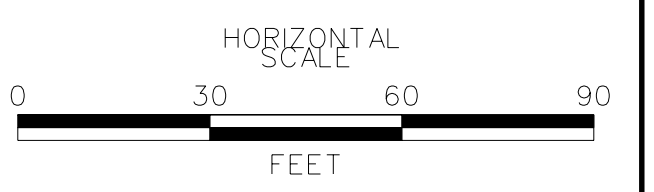


US 301 - MAINLINE

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ADDENDUMS / REVISIONS	



US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

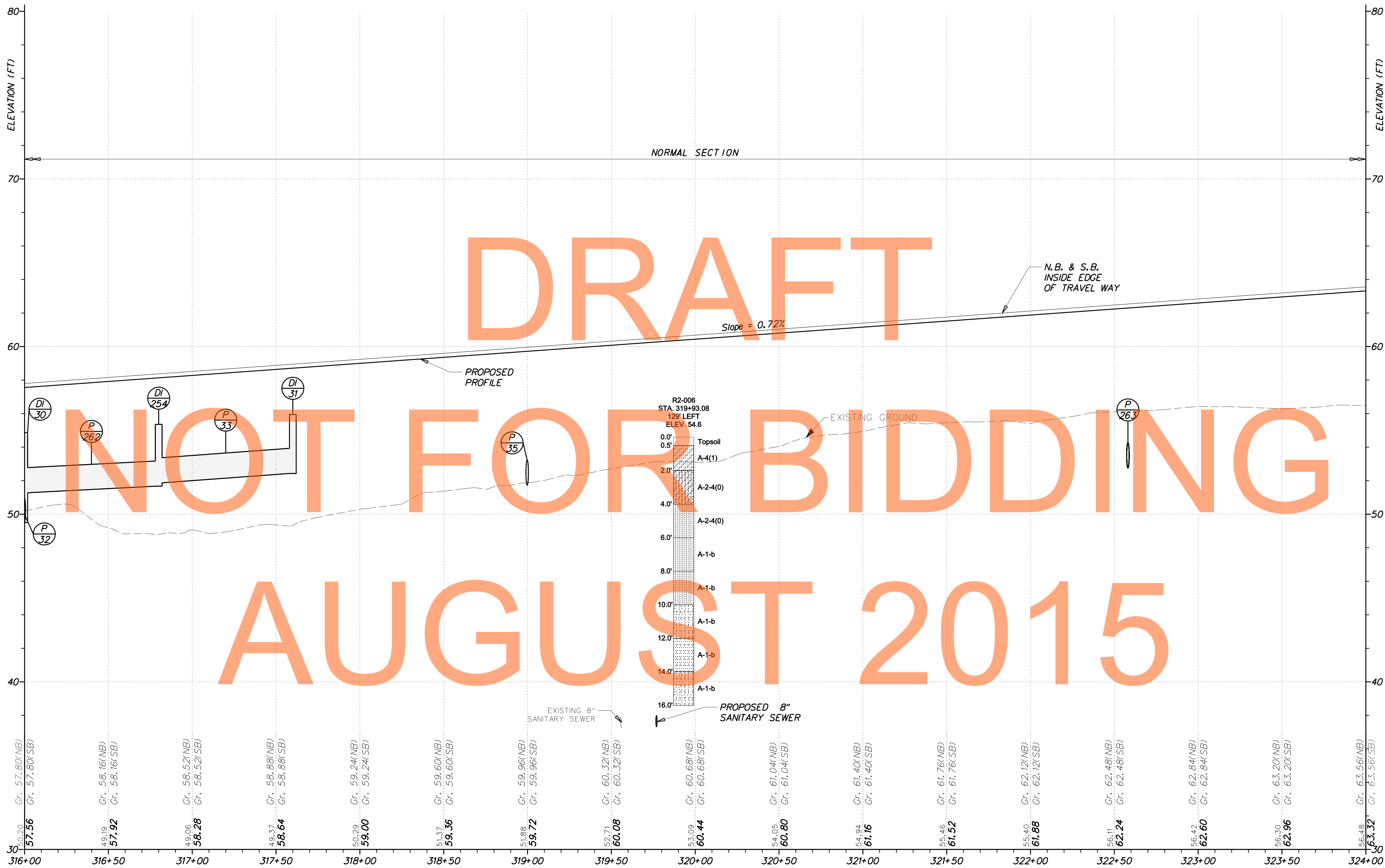
	9
	6
	3
	0
	0
	3
	6
	9
	12
	15
	18
	21
	24
	27
	30
	33
	36
	39
	42
	45
	48
	51
	54
	57
	60
	63
	66
	69
	72
	75
	78
	81
	84
	87
	90

PF-04	SHEET NO.
	136
	TOTAL SHTS.
	1256

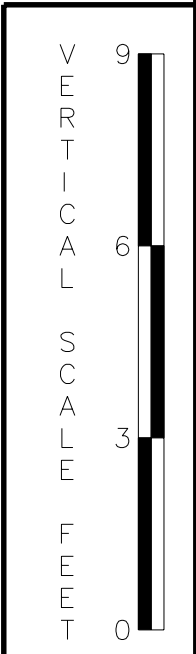
DRAFT

NOT FOR BIDDING

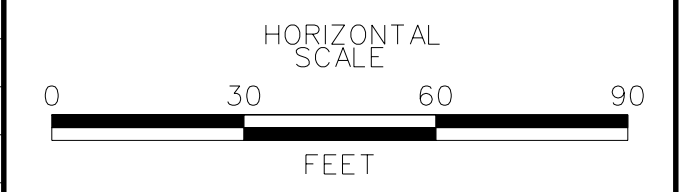
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ADDENDUMS / REVISIONS	



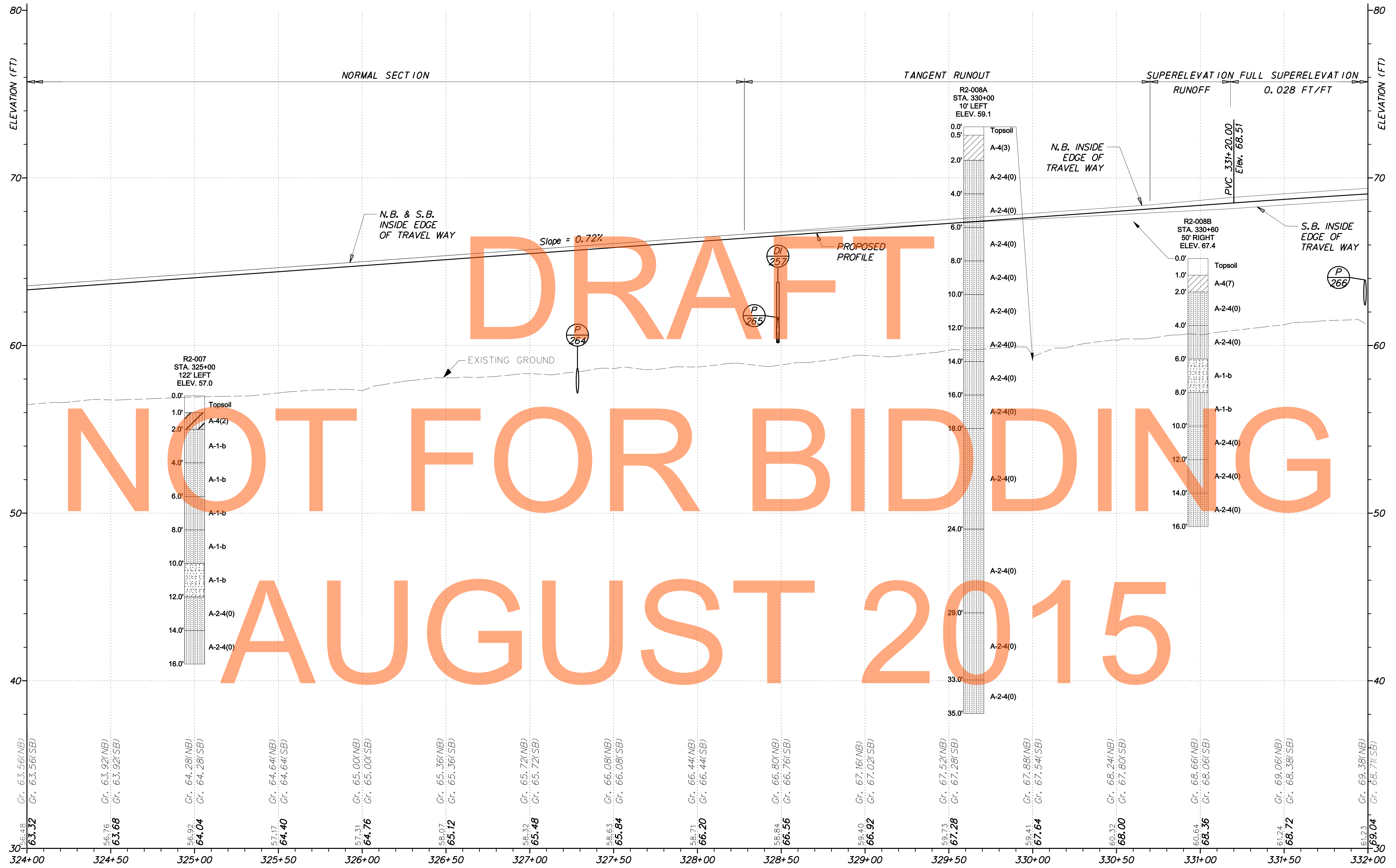
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

PF-05
SHEET NO.
137
TOTAL SHTS.
1256

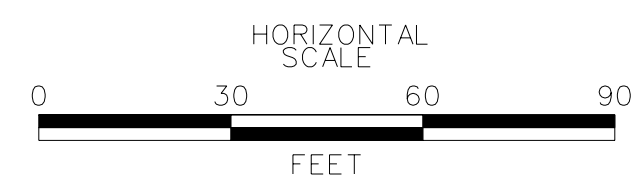
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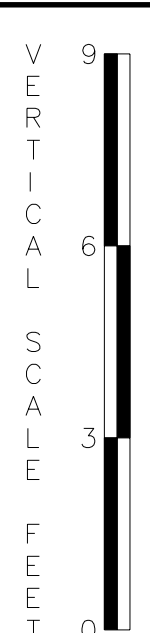
ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

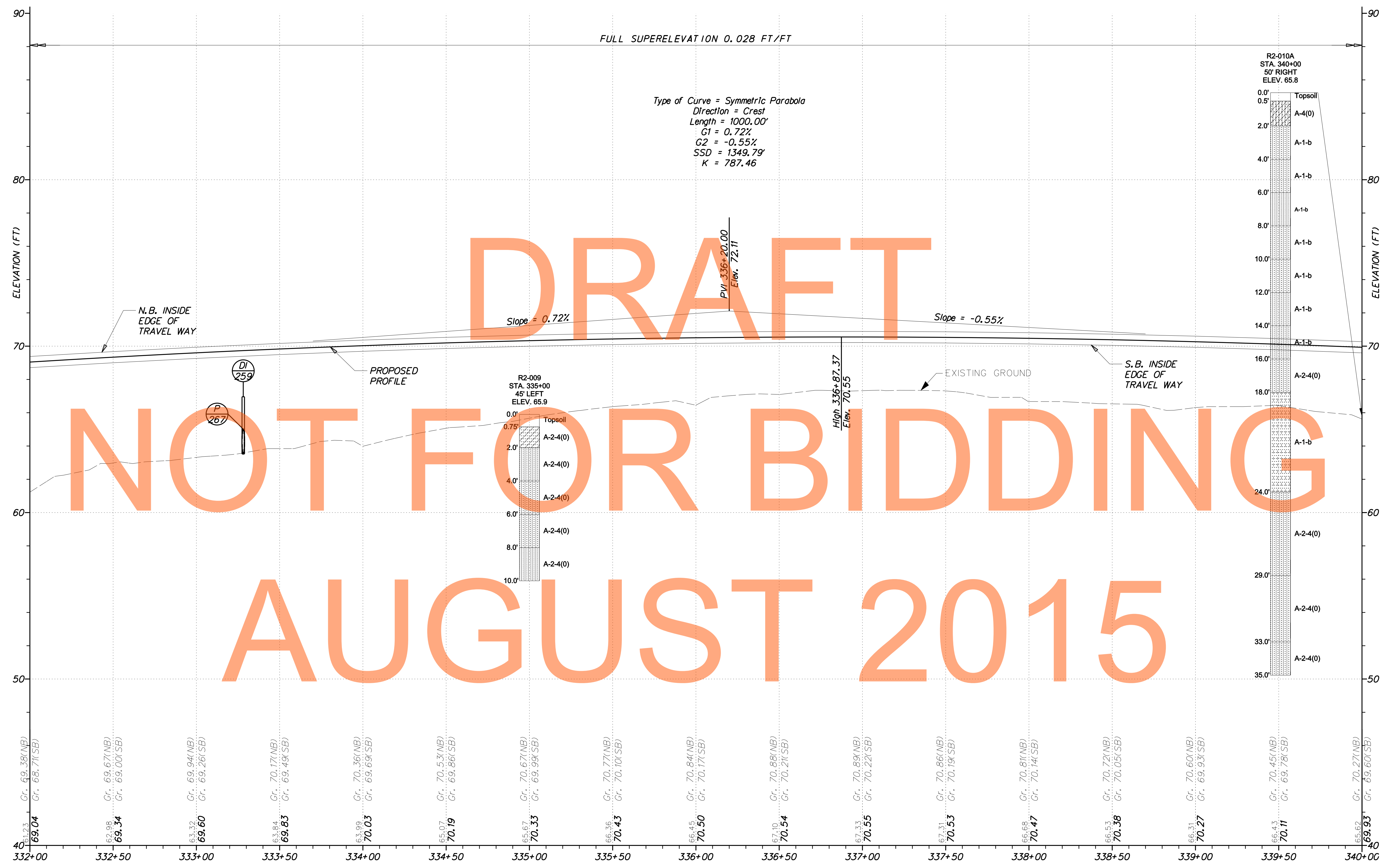


PF-06
SHEET NO.
138
TOTAL SHTS.
1256

DRAFT

NOT FOR BIDDING

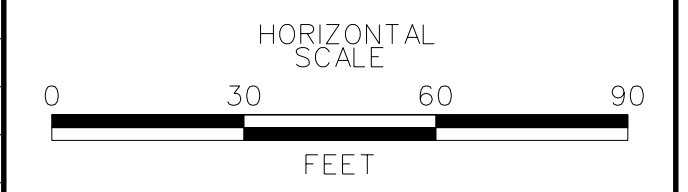
AUGUST 2015



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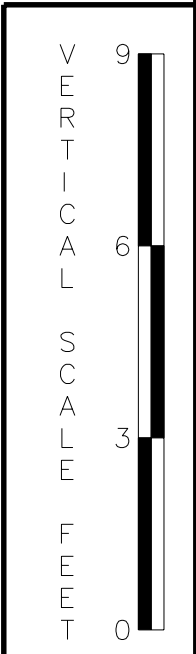
ADDENDUMS / REVISIONS	

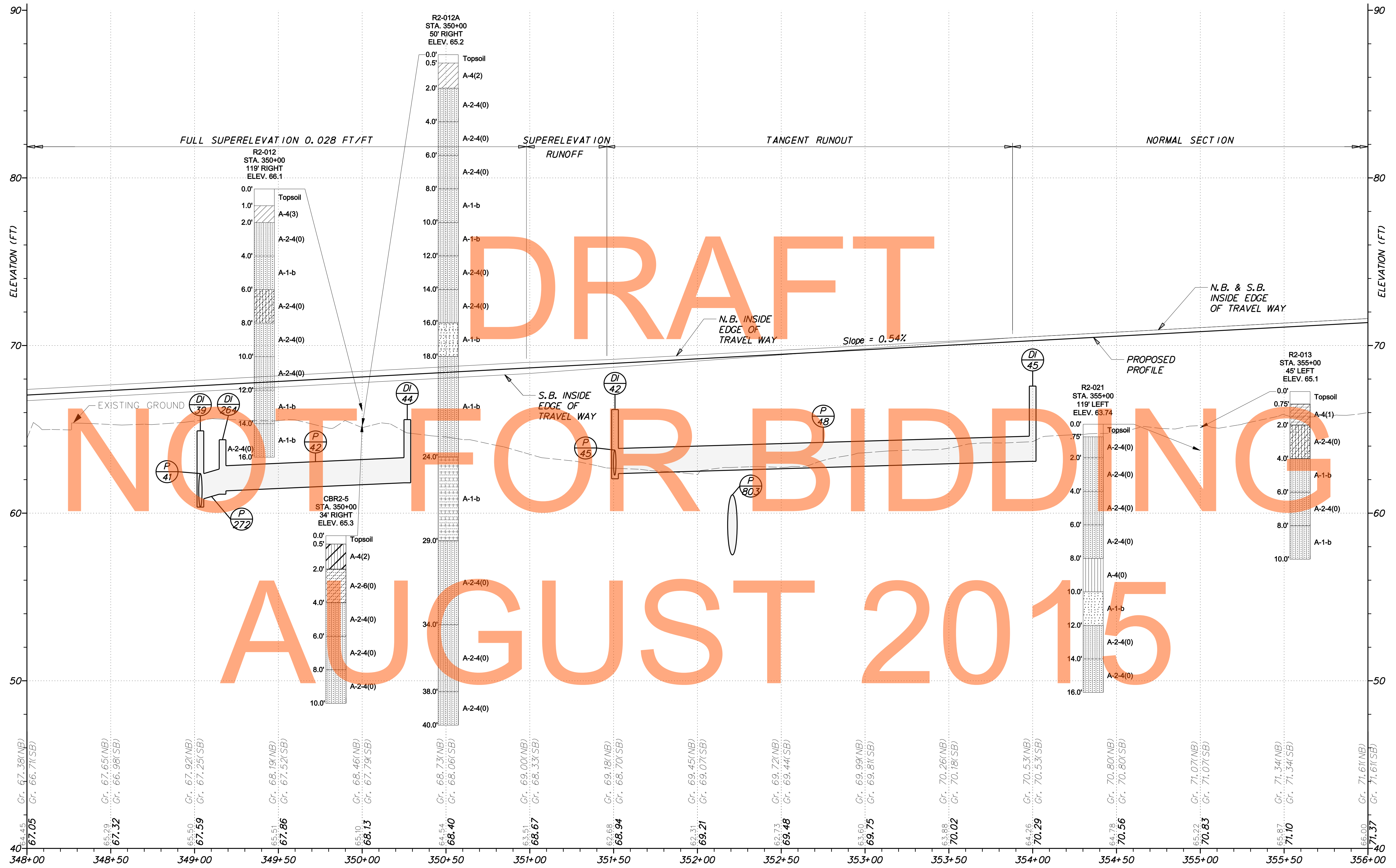


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES
SHEET NO. 139
TOTAL SHTS. 1256





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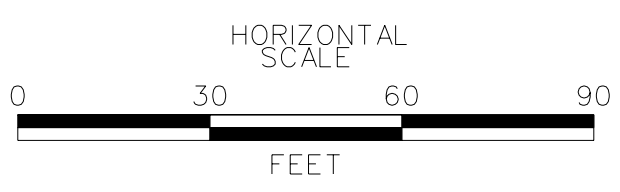
NOT FOR BIDDING

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

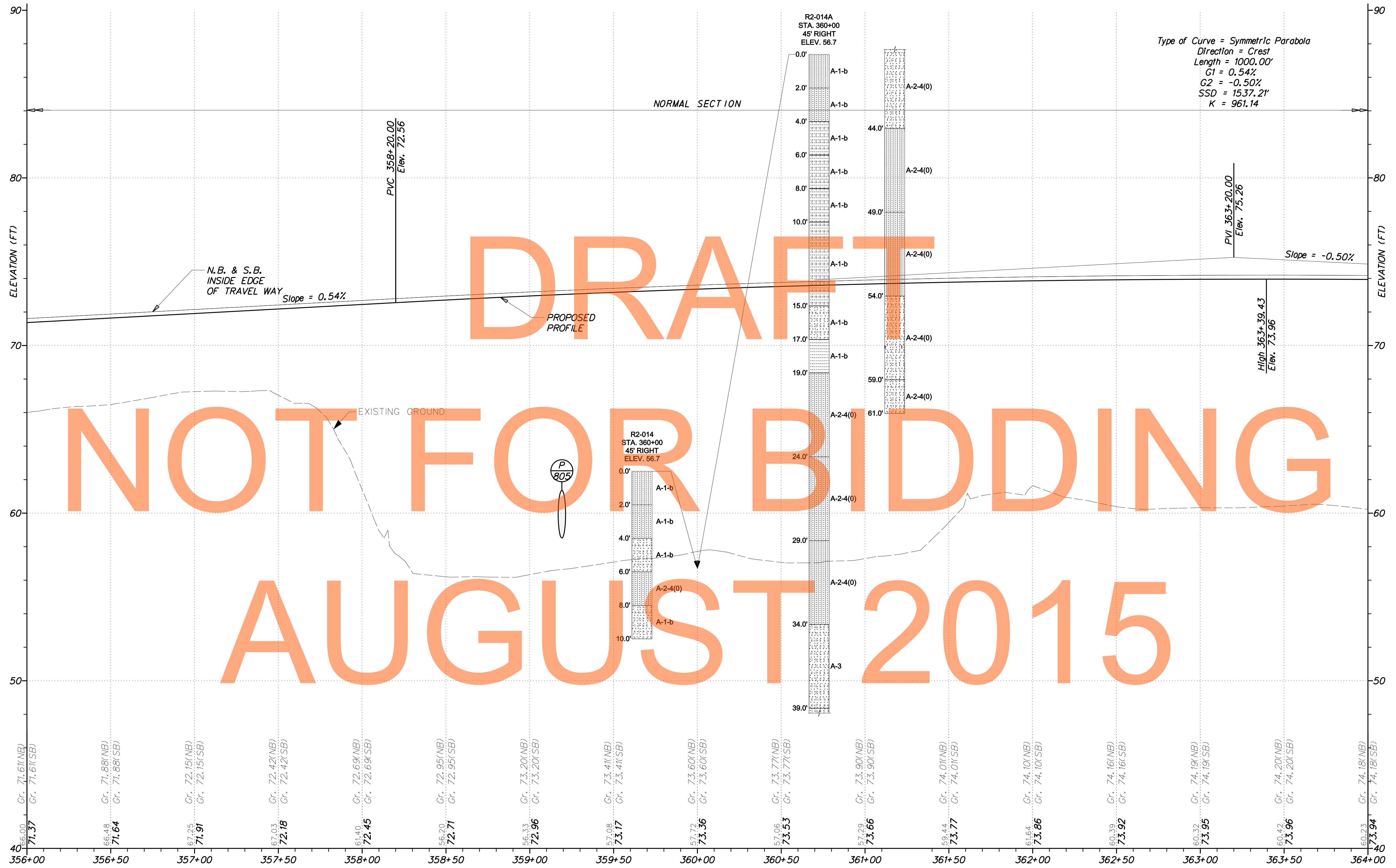
VERTICAL SCALE	9
	6
	3
	0
FEET	
PF-09	SHEET NO.
	141
	TOTAL SHTS.
	1256

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NOT FOR BIDDING

AUGUST 2015



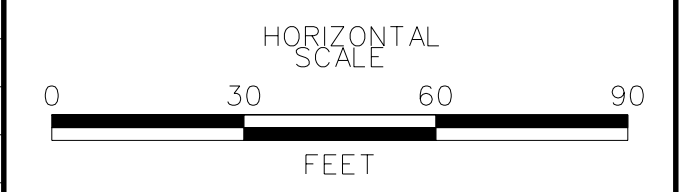
Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 1000.00'
 G1 = 0.54%
 G2 = -0.50%
 SSD = 1537.21'
 K = 961.14

US 301 - MAINLINE

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ADDENDUMS / REVISIONS	

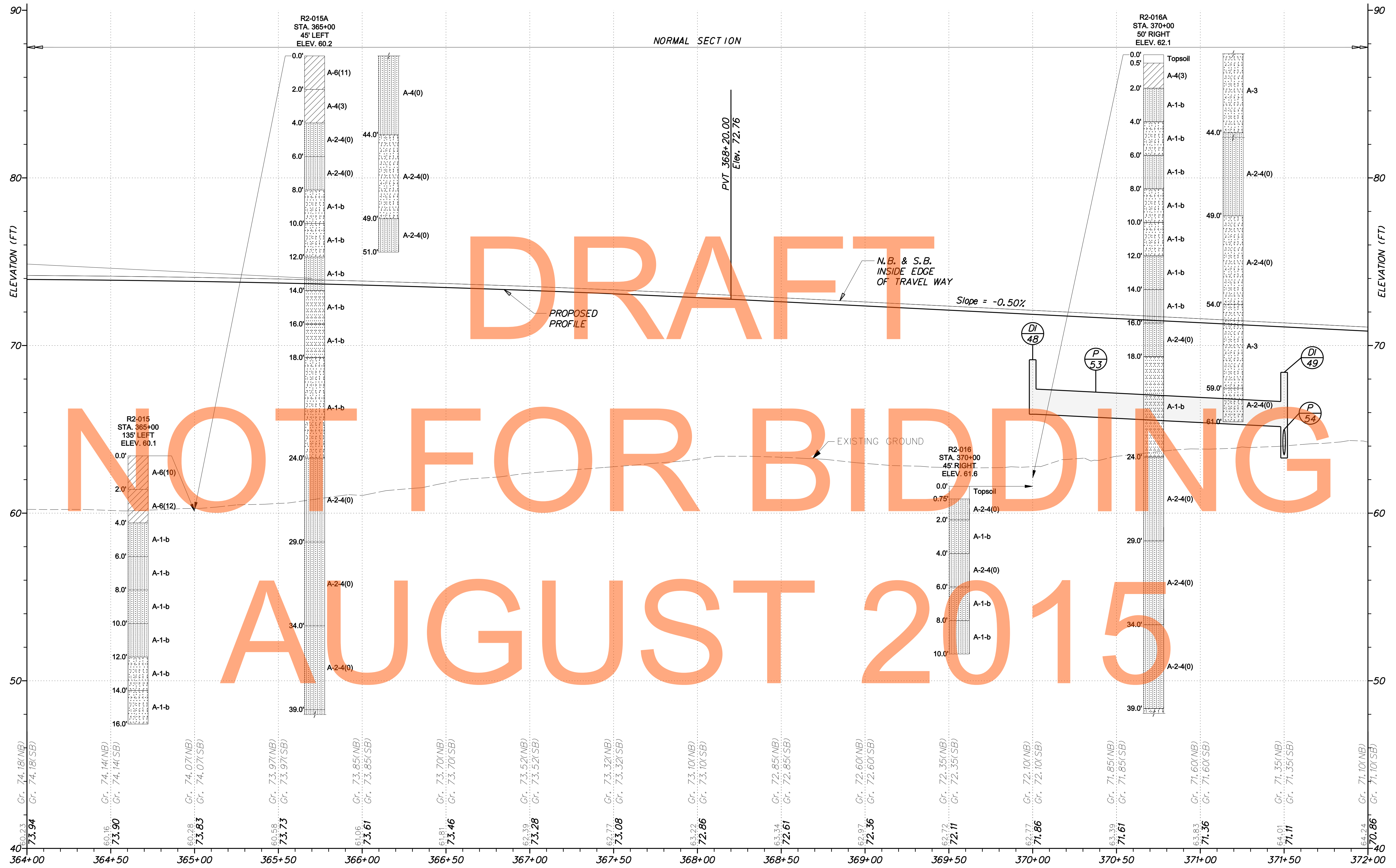


**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
FEET	6
	3
	0
PF-10	SHEET NO.
	142
	TOTAL SHTS.
	1256



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NOT FOR BIDDING

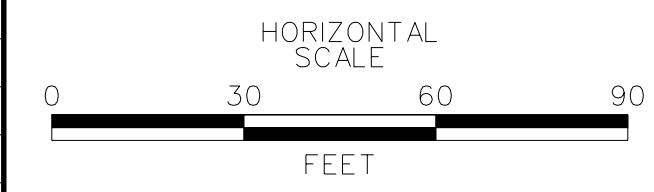
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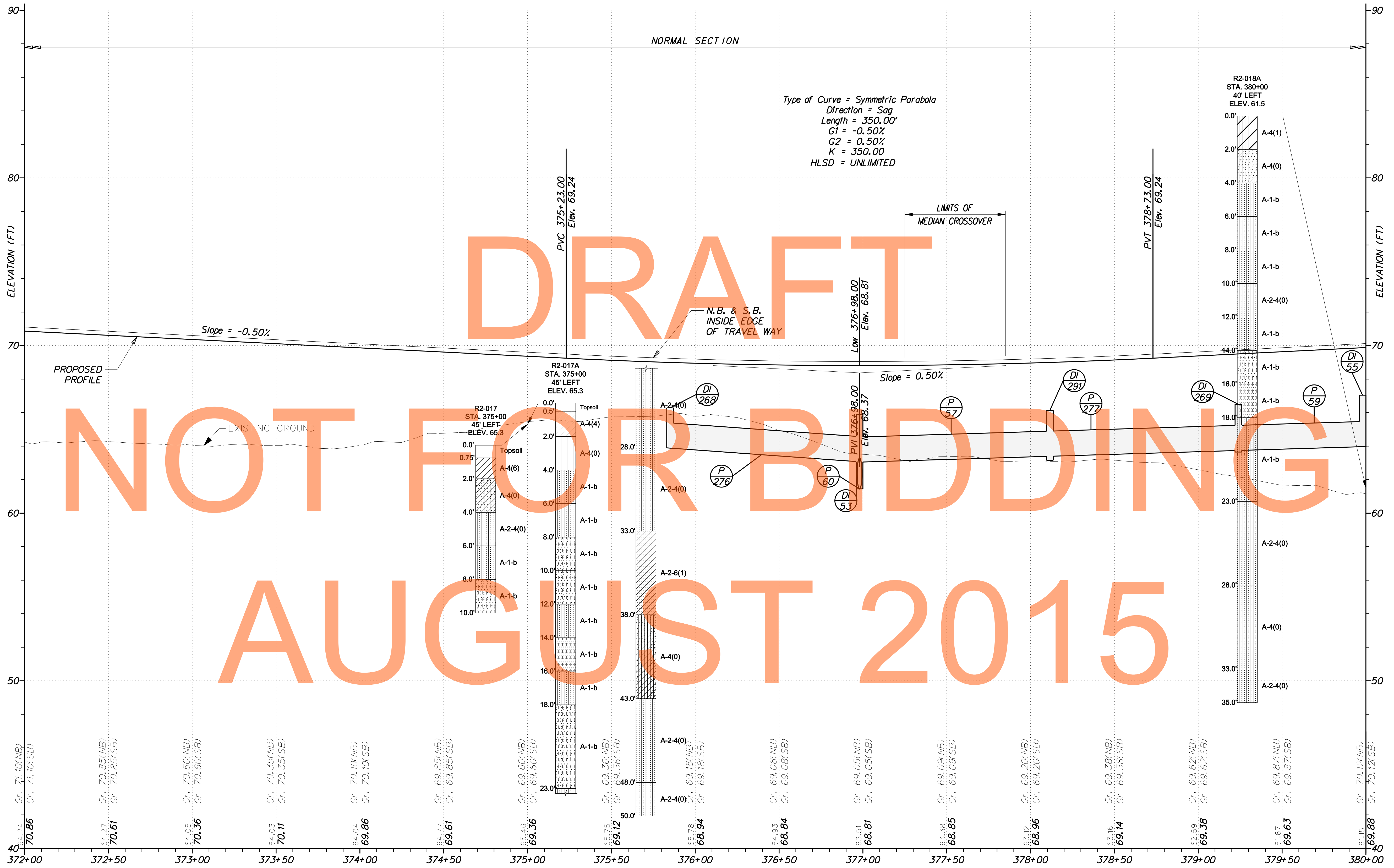
ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	PROFILES
T20091303	DESIGNED BY: AM	
COUNTY	CHECKED BY: DRB	
NEW CASTLE		

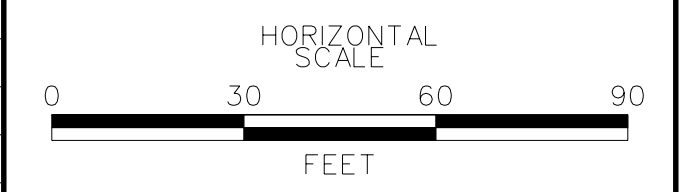
VERTICAL SCALE	9 6 3 0 FEET
PF-11	SHEET NO.
	143
	TOTAL SHTS.
	1256



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ADDENDUMS / REVISIONS	



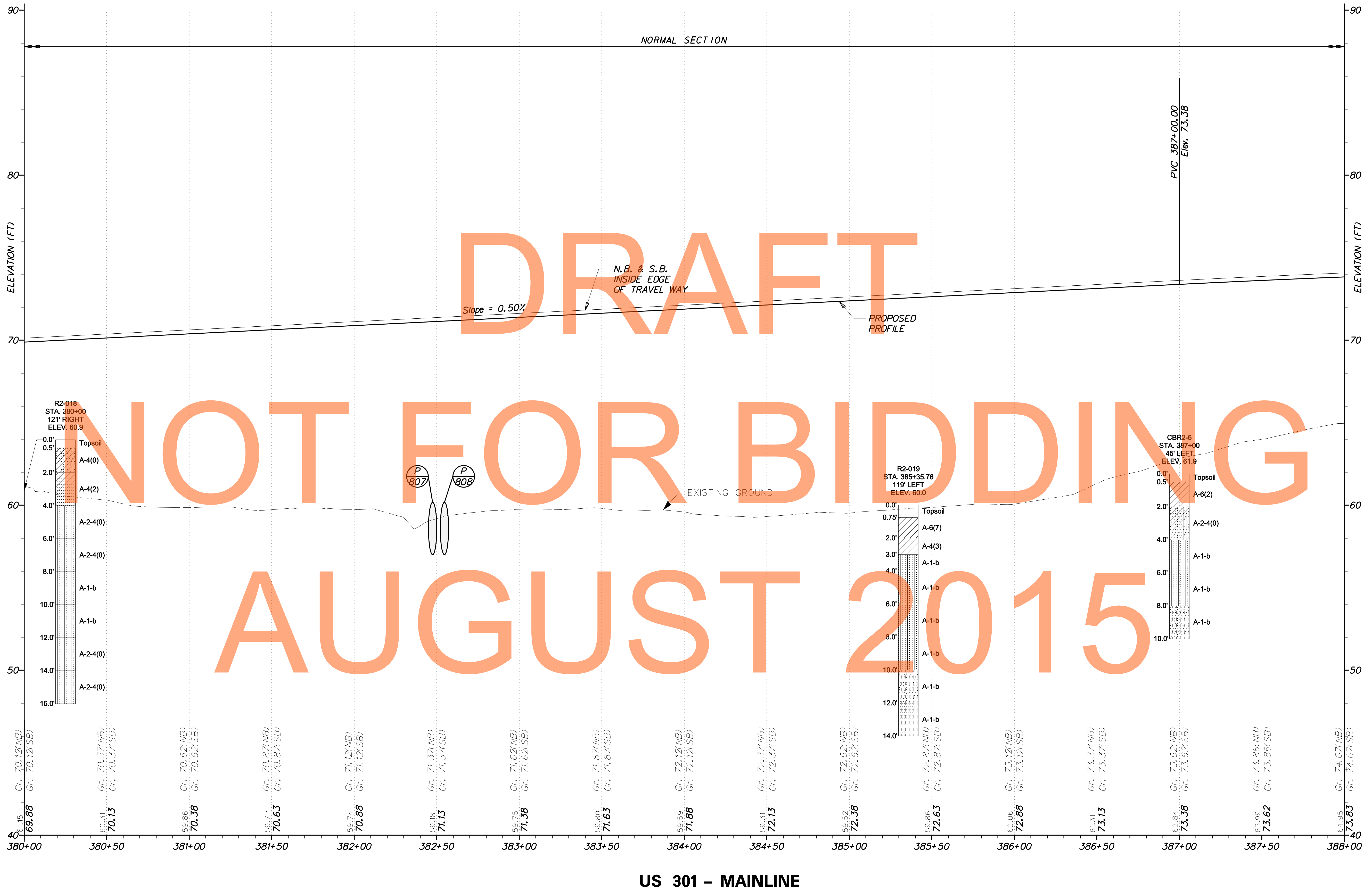
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AM
	CHECKED BY: DRB

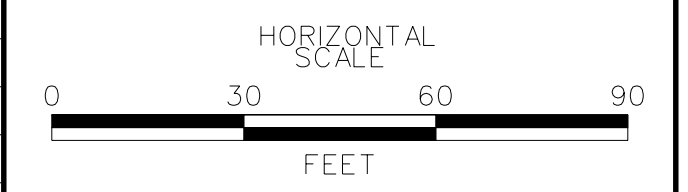
PROFILES

VERTICAL SCALE 0 3 6 9 FEET
PF-12
SHEET NO. 144
TOTAL SHTS. 1256

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ADDENDUMS / REVISIONS	



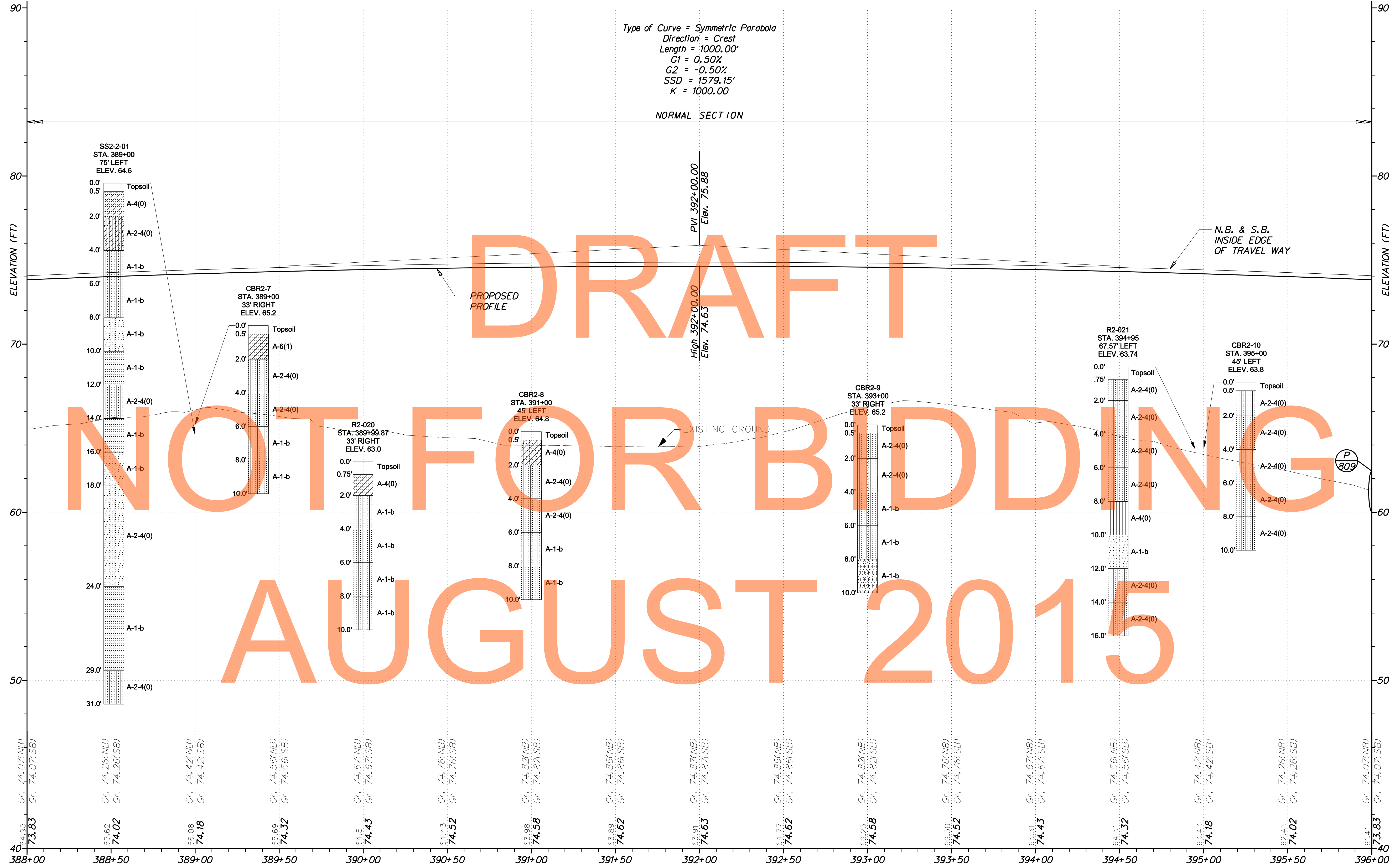
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES
PF-13
SHEET NO. 145
TOTAL SHTS. 1256

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 1000.00'
 G1 = 0.50%
 G2 = -0.50%
 SSD = 1579.15'
 K = 1000.00

NORMAL SECTION



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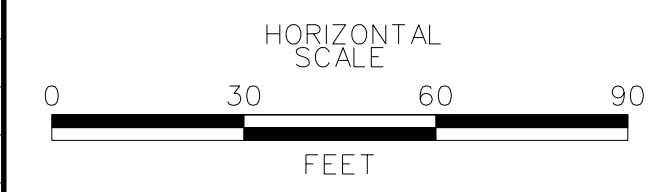
P 809

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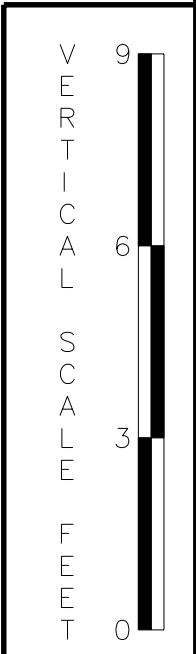
ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

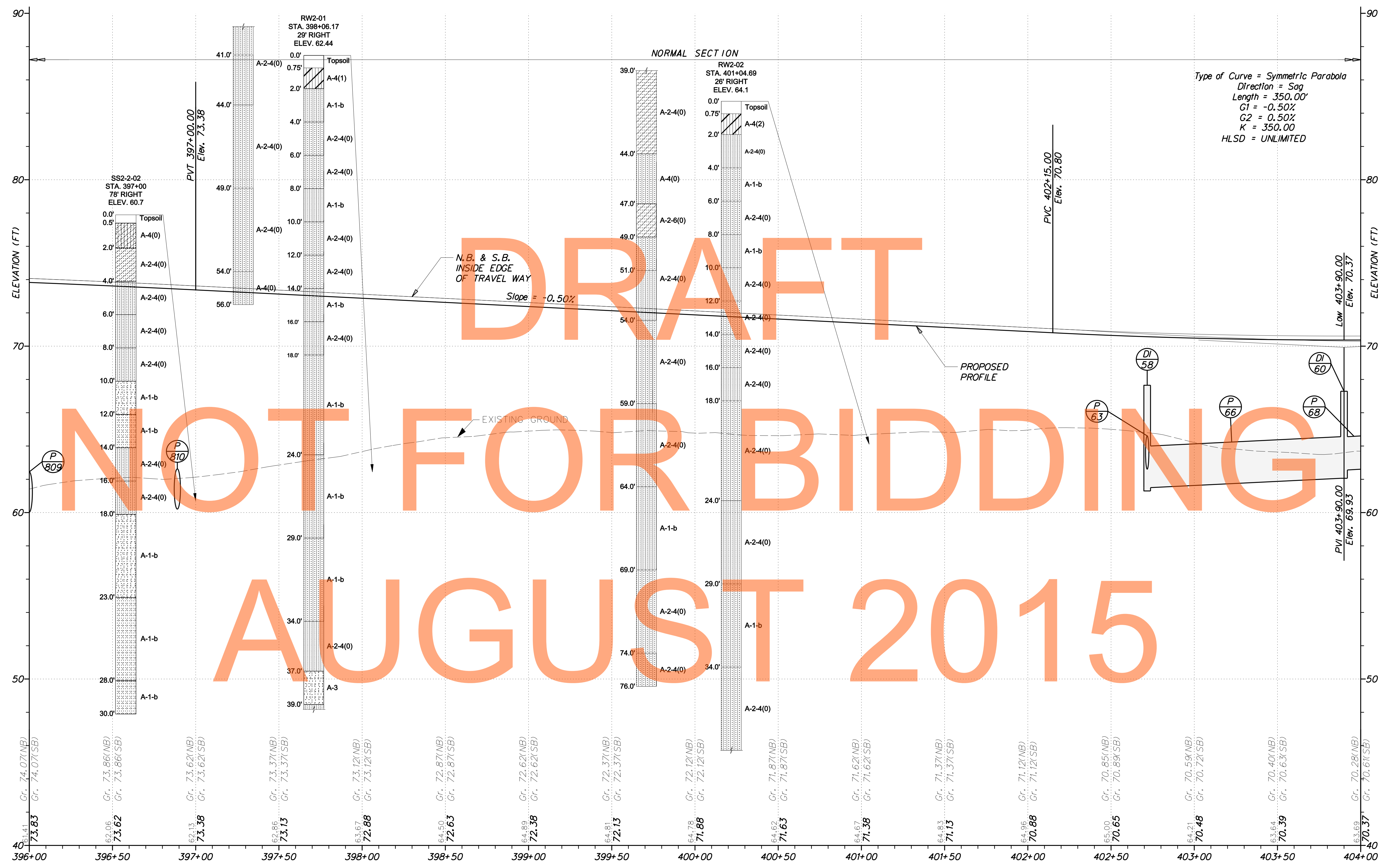
CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES



PF-14	SHEET NO.
	146
	TOTAL SHTS.
	1256

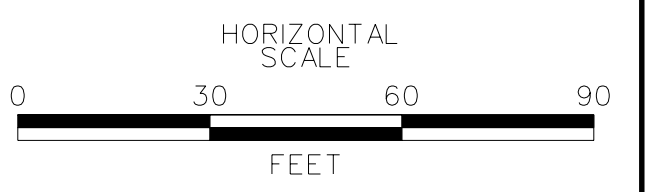
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US 301 - MAINLINE



ADDENDUMS / REVISIONS	

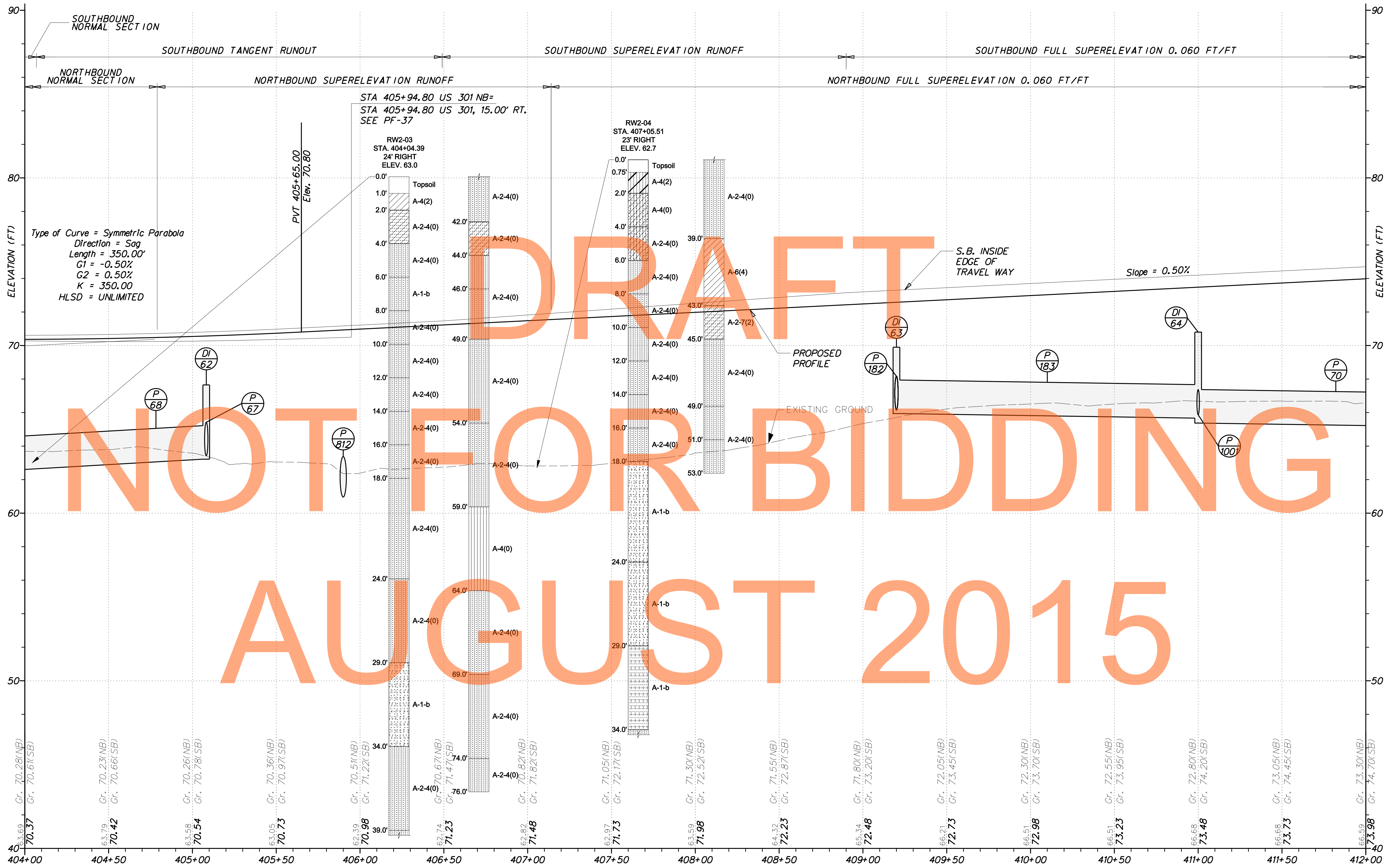


US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
FEET	6
	3
	0
PF-15	SHEET NO.
	147
	TOTAL SHTS.
	1256



DRAFT

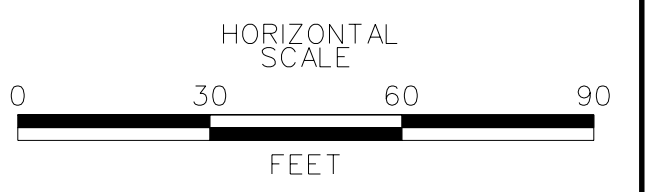
NOT FOR BIDDING

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ADDENDUMS / REVISIONS	

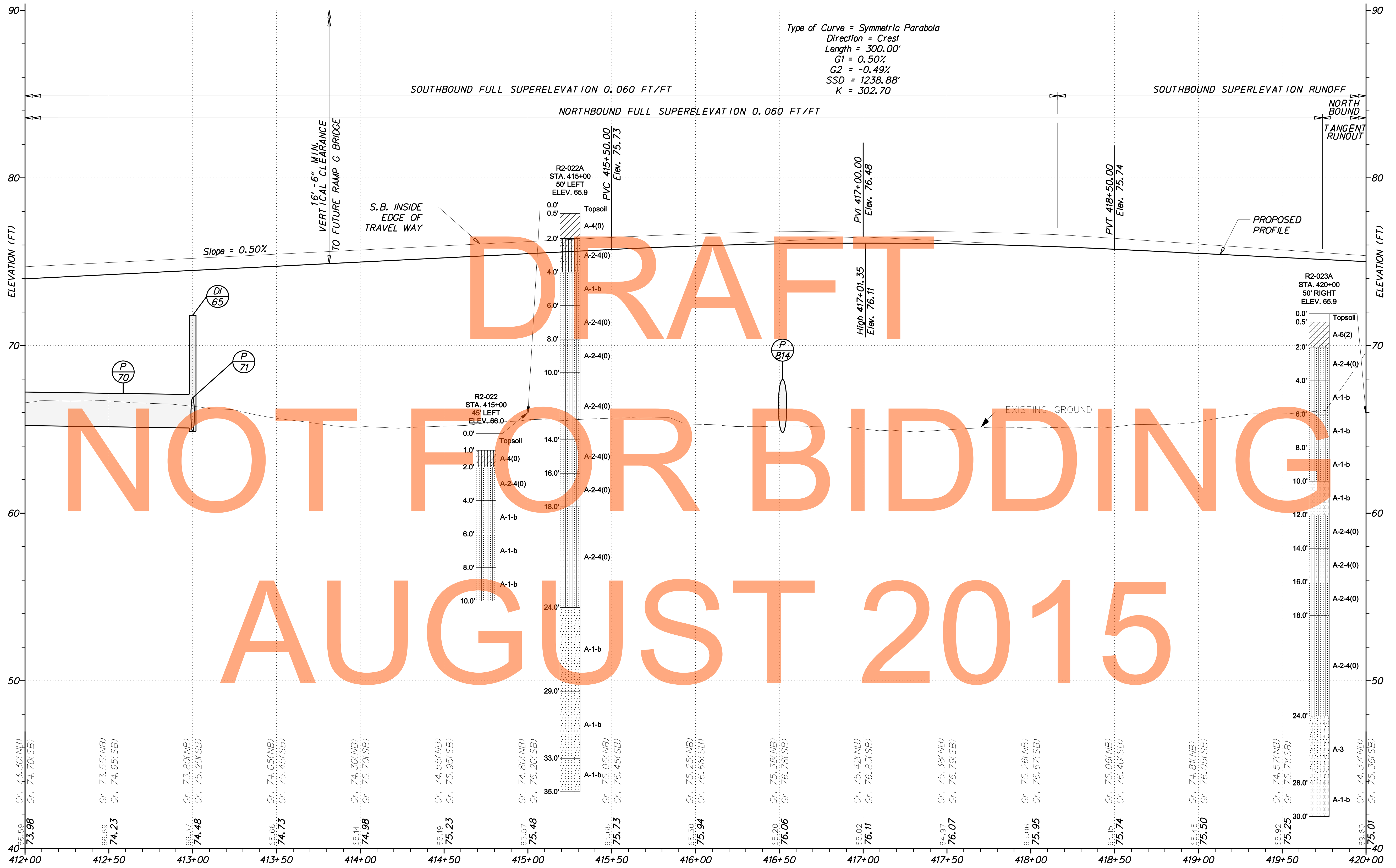


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
FEET	6
FEET	3
FEET	0
PF-16	SHEET NO.
	148
	TOTAL SHTS.
	1256



NOT FOR BIDDING

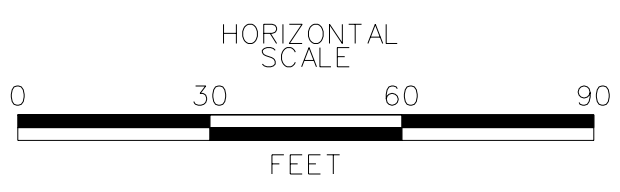
DRAFT

AUGUST 2015

US 301 - MAINLINE



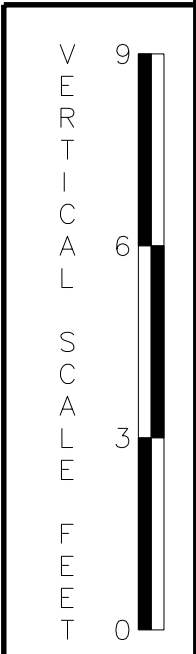
ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.	DESIGNED BY: AM
COUNTY NEW CASTLE	CHECKED BY: DRB	

PROFILES



PF-17
SHEET NO. 149
TOTAL SHTS. 1256

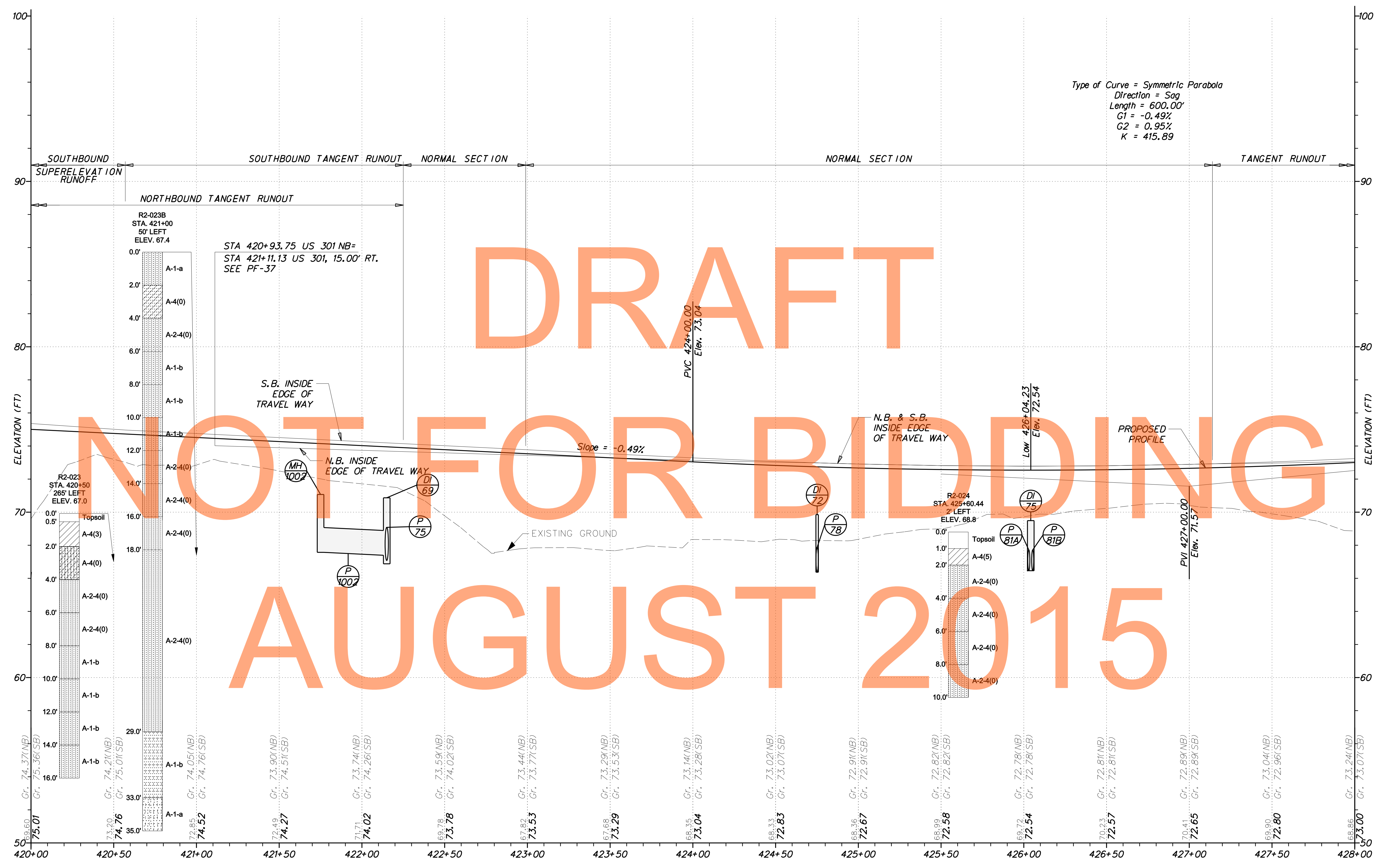
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DRAFT

NOT FOR BIDDING

AUGUST 2015

Type of Curve = Symmetric Parabola
Direction = Sag
Length = 600.00'
G1 = -0.49%
G2 = 0.95%
K = 415.89

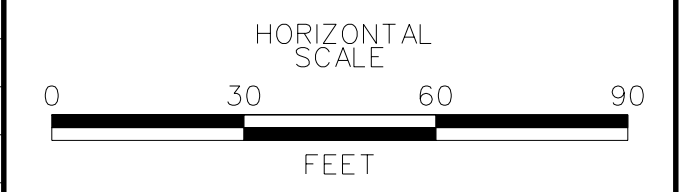


US 301 - MAINLINE

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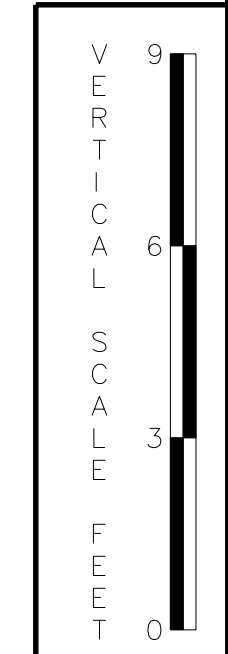


ADDENDUMS / REVISIONS	



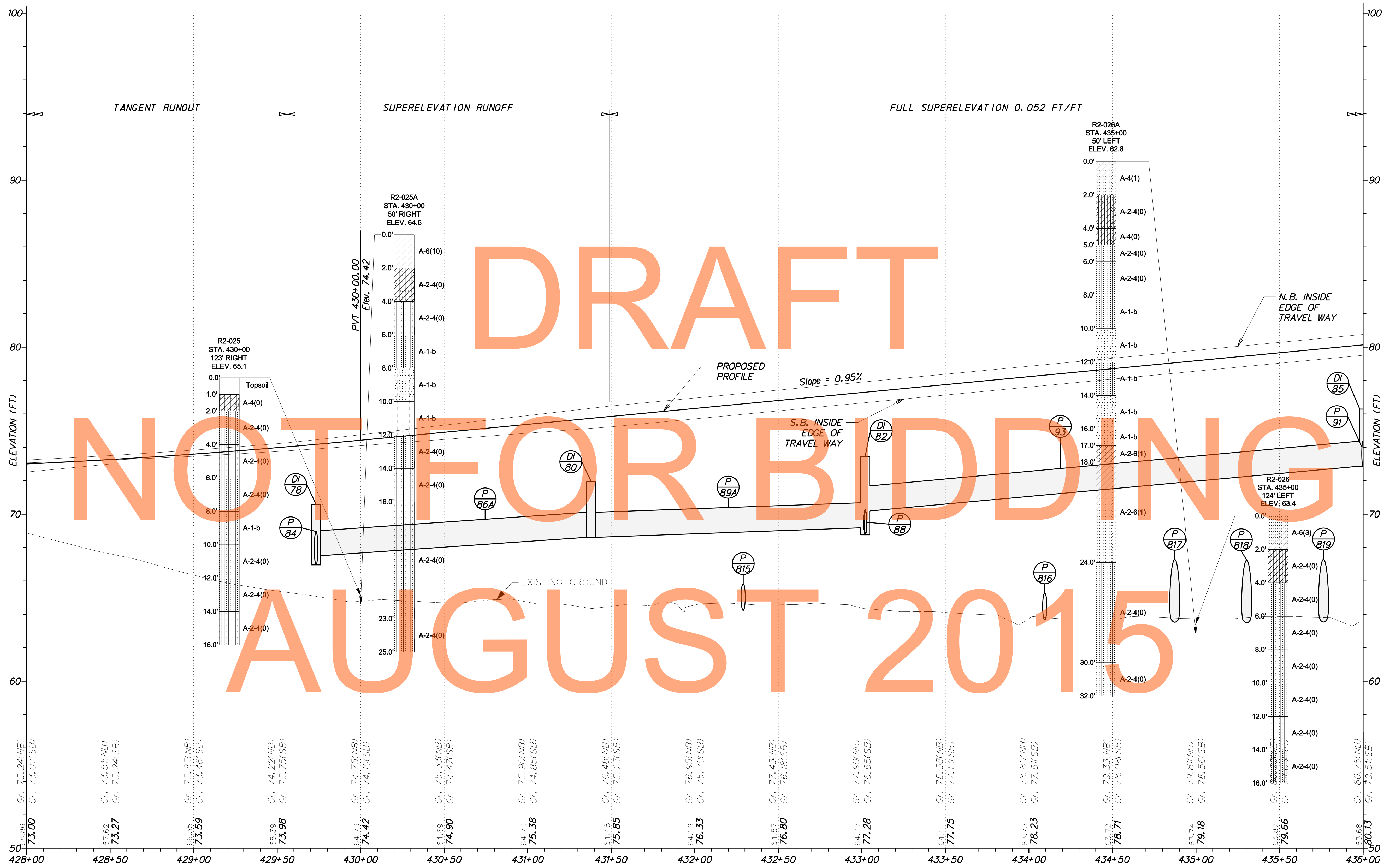
US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.	PROFILES
T20091303	DESIGNED BY: AM	
COUNTY	CHECKED BY: DRB	
NEW CASTLE		



PF-18	SHEET NO.
	150
	TOTAL SHTS.
	1256

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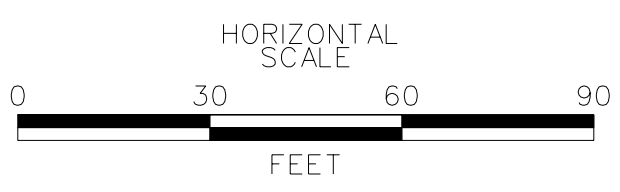


DRAFT
NOT FOR BIDDING
AUGUST 2015

US 301 - MAINLINE



ADDENDUMS / REVISIONS	

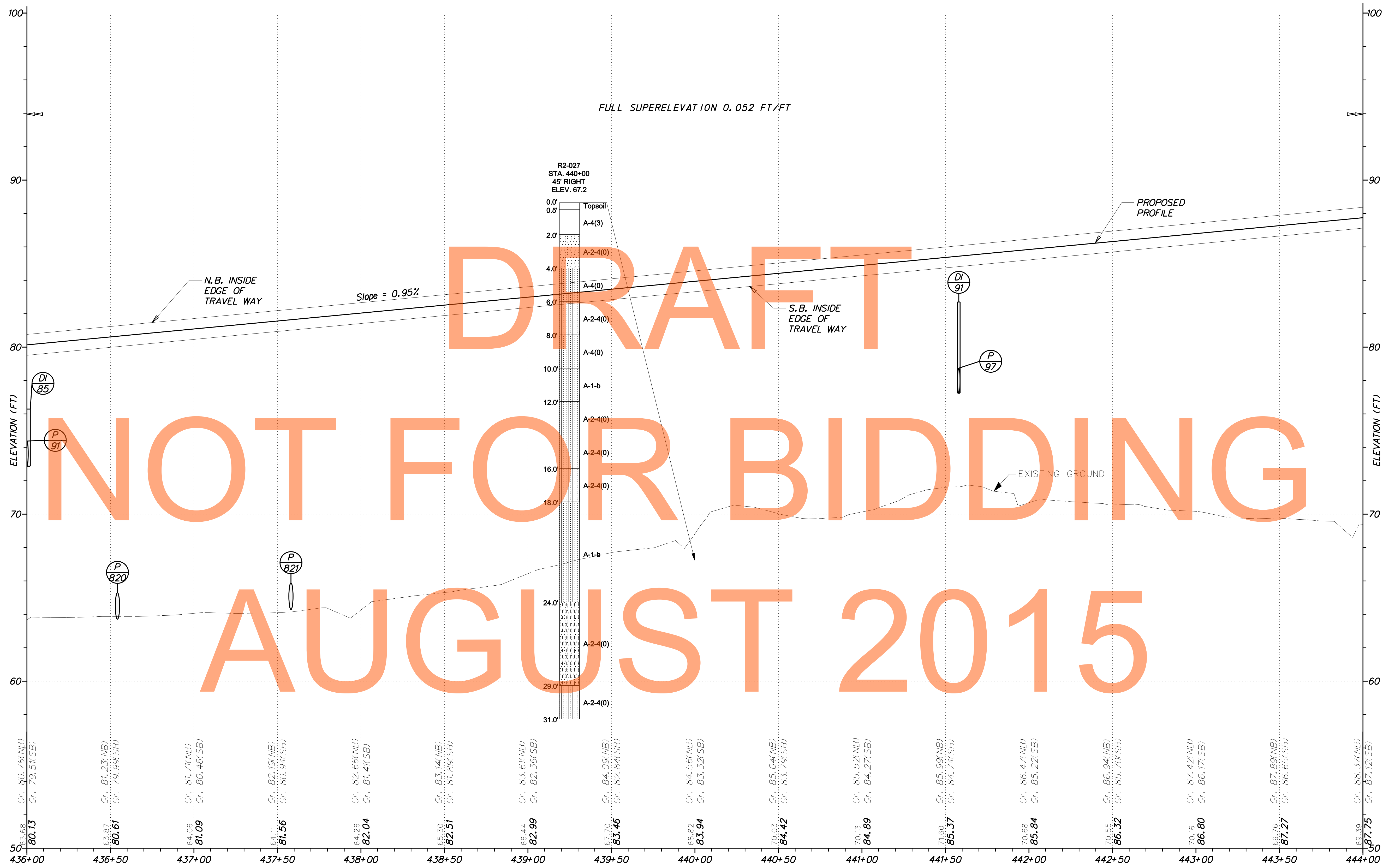


US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
	6
	3
	0
FEET	
PF-19	SHEET NO.
	151
	TOTAL SHTS.
	1256

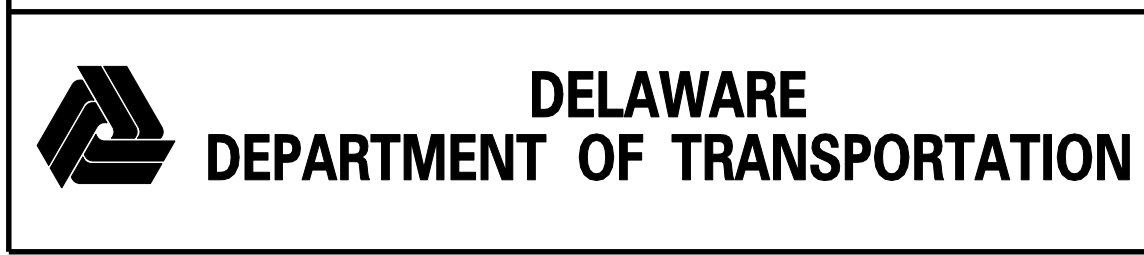


DRAFT

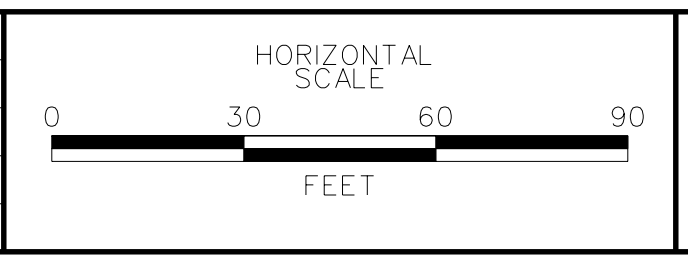
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS	

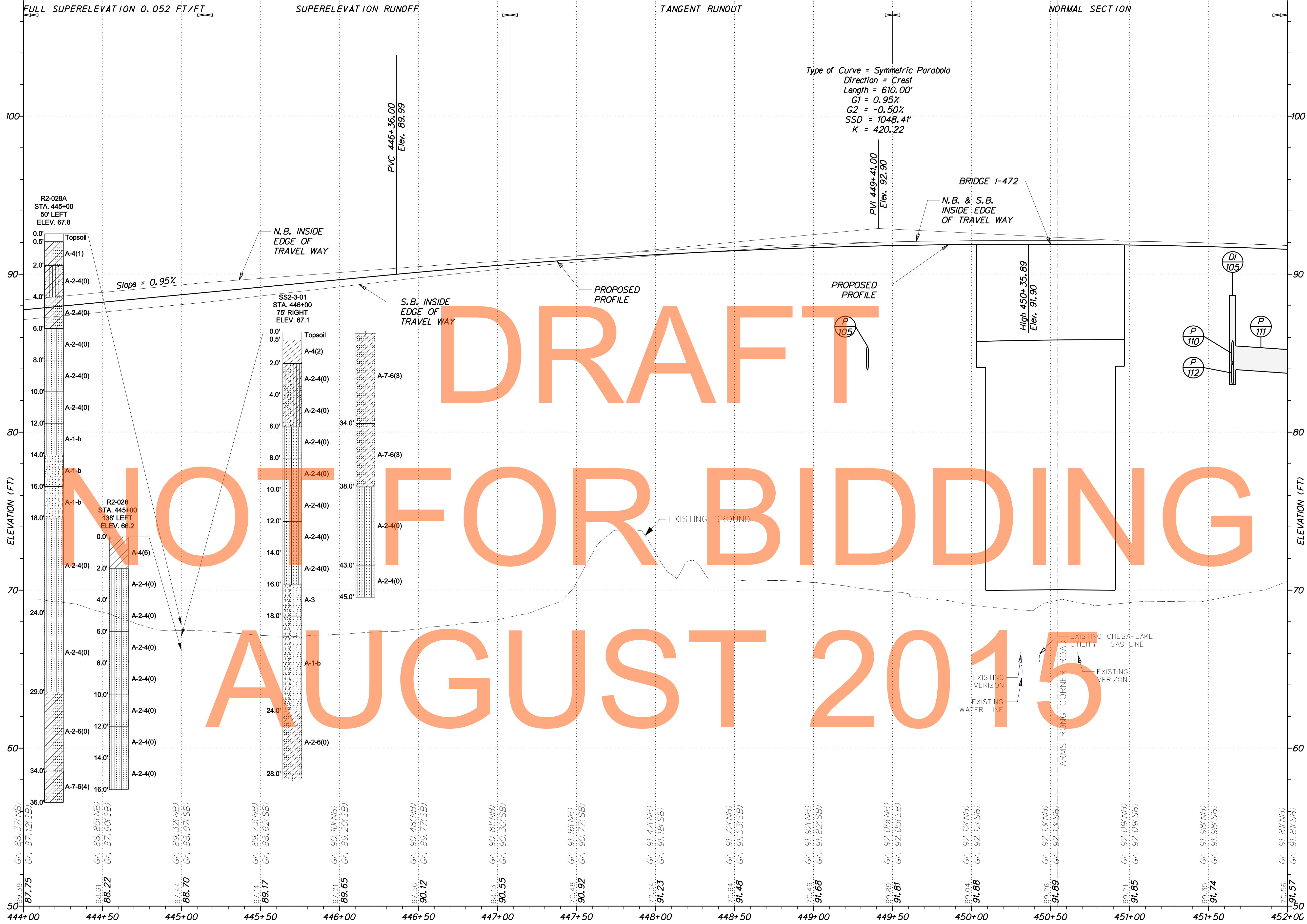


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
FEET	6
	3
	0
PF-20	SHEET NO.
	152
	TOTAL SHTS.
	1256



DRAFT

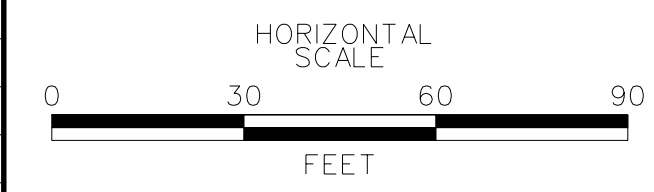
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

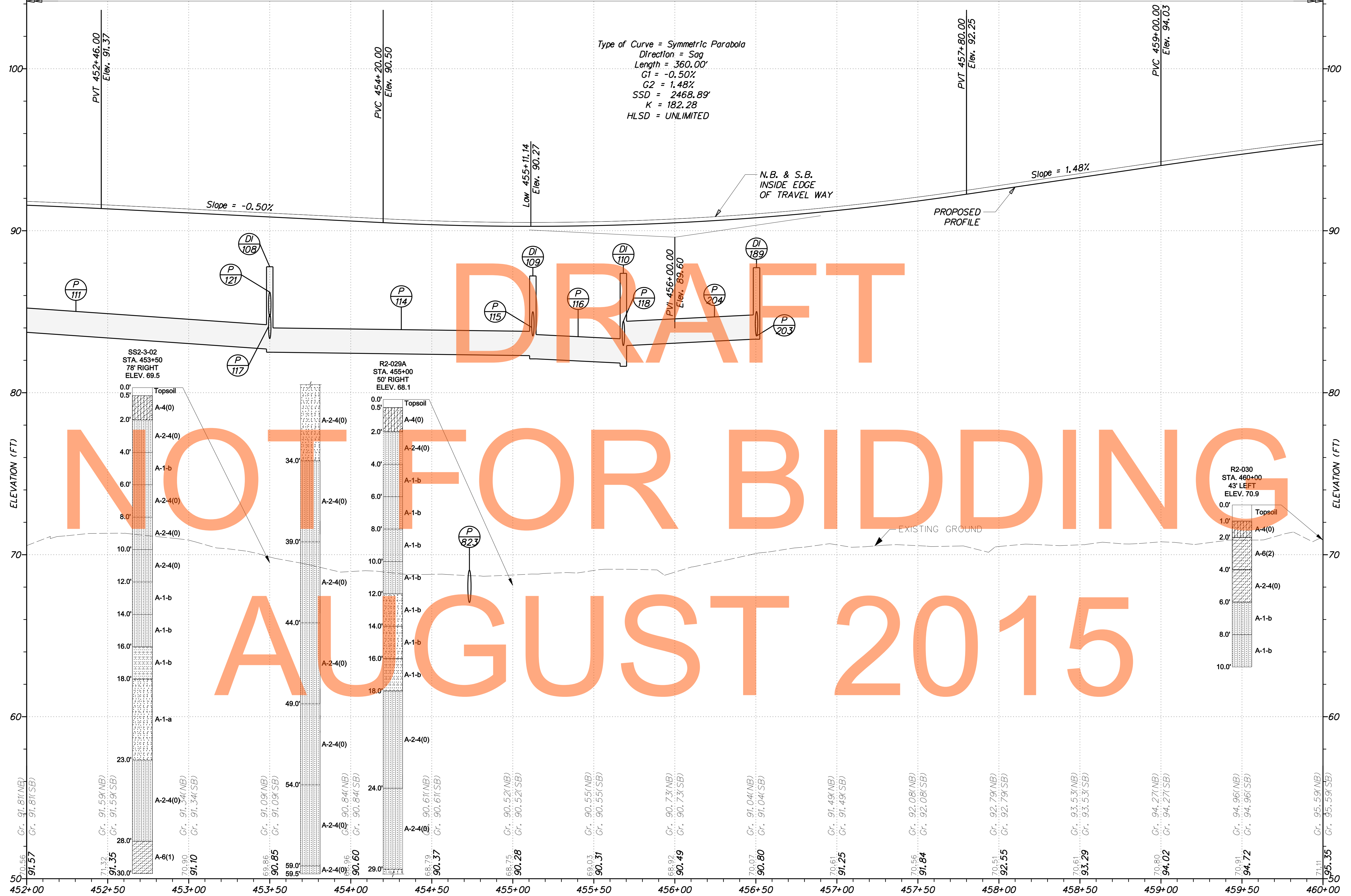
CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
	6
	3
	0
FEET	
PF-21	SHEET NO.
	153
	TOTAL SHTS.
	1256

NORMAL SECTION

Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 360.00'
 G1 = -0.50%
 G2 = 1.48%
 SSD = 2468.89'
 K = 182.28
 HLSD = UNLIMITED



NOT FOR BIDDING
 AUGUST 2015

SS2-3-02
 STA. 453+50
 78' RIGHT
 ELEV. 69.5

R2-029A
 STA. 455+00
 50' RIGHT
 ELEV. 68.1

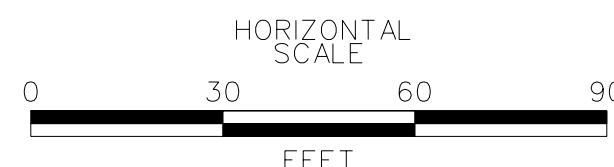
R2-030
 STA. 460+00
 43' LEFT
 ELEV. 70.9

452+00	Gr. 91.81(NB) Gr. 91.81(SB)	452+50	Gr. 91.59(NB) Gr. 91.59(SB)	453+00	Gr. 91.34(NB) Gr. 91.34(SB)	453+50	Gr. 91.09(NB) Gr. 91.09(SB)	454+00	Gr. 90.84(NB) Gr. 90.84(SB)	454+50	Gr. 90.61(NB) Gr. 90.61(SB)	455+00	Gr. 90.52(NB) Gr. 90.52(SB)	455+50	Gr. 90.55(NB) Gr. 90.55(SB)	456+00	Gr. 90.73(NB) Gr. 90.73(SB)	456+50	Gr. 91.04(NB) Gr. 91.04(SB)	457+00	Gr. 91.49(NB) Gr. 91.49(SB)	457+50	Gr. 92.08(NB) Gr. 92.08(SB)	458+00	Gr. 92.79(NB) Gr. 92.79(SB)	458+50	Gr. 93.53(NB) Gr. 93.53(SB)	459+00	Gr. 94.27(NB) Gr. 94.27(SB)	459+50	Gr. 94.96(NB) Gr. 94.96(SB)	460+00	Gr. 95.59(NB) Gr. 95.59(SB)
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US 301 - MAINLINE



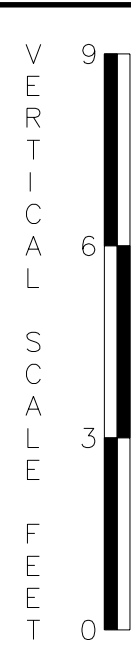
ADDENDUMS / REVISIONS



US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD

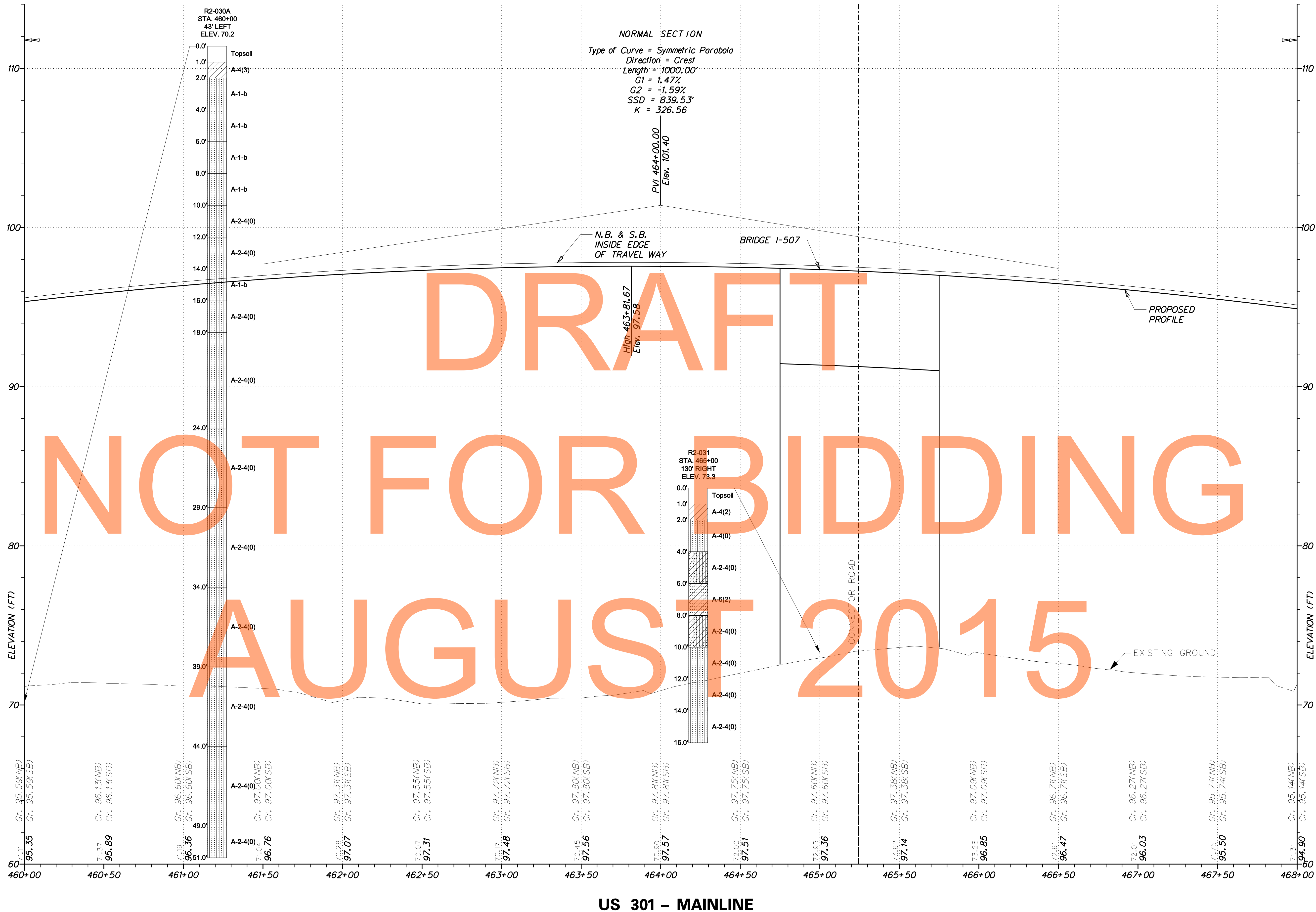
CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES



PF-22
SHEET NO.
154
TOTAL SHTS.
1256

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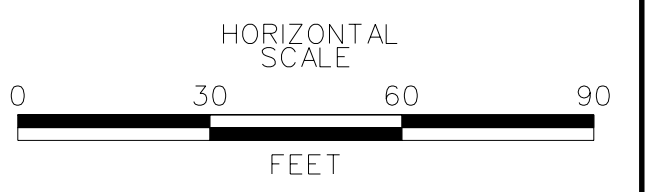
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS	

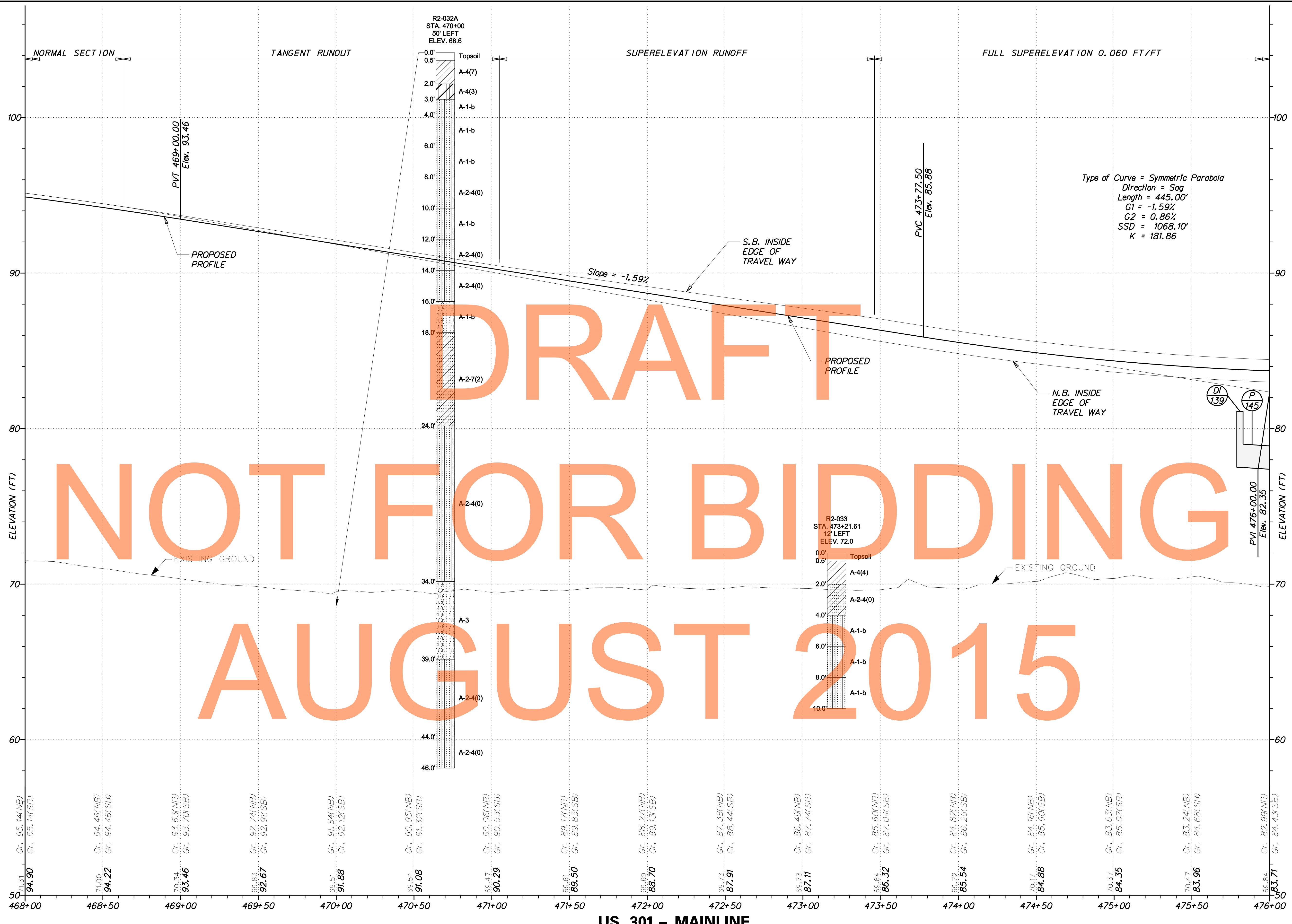


**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
FEET	6
	3
	0
PF-23	SHEET NO.
	155
	TOTAL SHTS.
	1256



Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 445.00'
 G1 = -1.59%
 G2 = 0.86%
 SSD = 1068.10'
 K = 181.86

DRAFT
NOT FOR BIDDING
AUGUST 2015

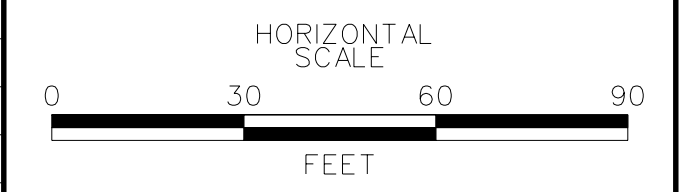
Station	Gr. (NB)	Gr. (SB)
468+00	94.31	94.90
468+50	71.00	94.22
469+00	70.34	93.46
469+50	69.83	92.67
470+00	69.51	91.88
470+50	69.54	91.08
471+00	69.47	90.29
471+50	69.61	89.50
472+00	69.69	88.70
472+50	69.73	87.91
473+00	69.73	87.11
473+50	69.64	86.32
474+00	69.72	85.54
474+50	70.17	84.88
475+00	70.37	84.35
475+50	70.47	83.96
476+00	69.84	83.71

US 301 - MAINLINE

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ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

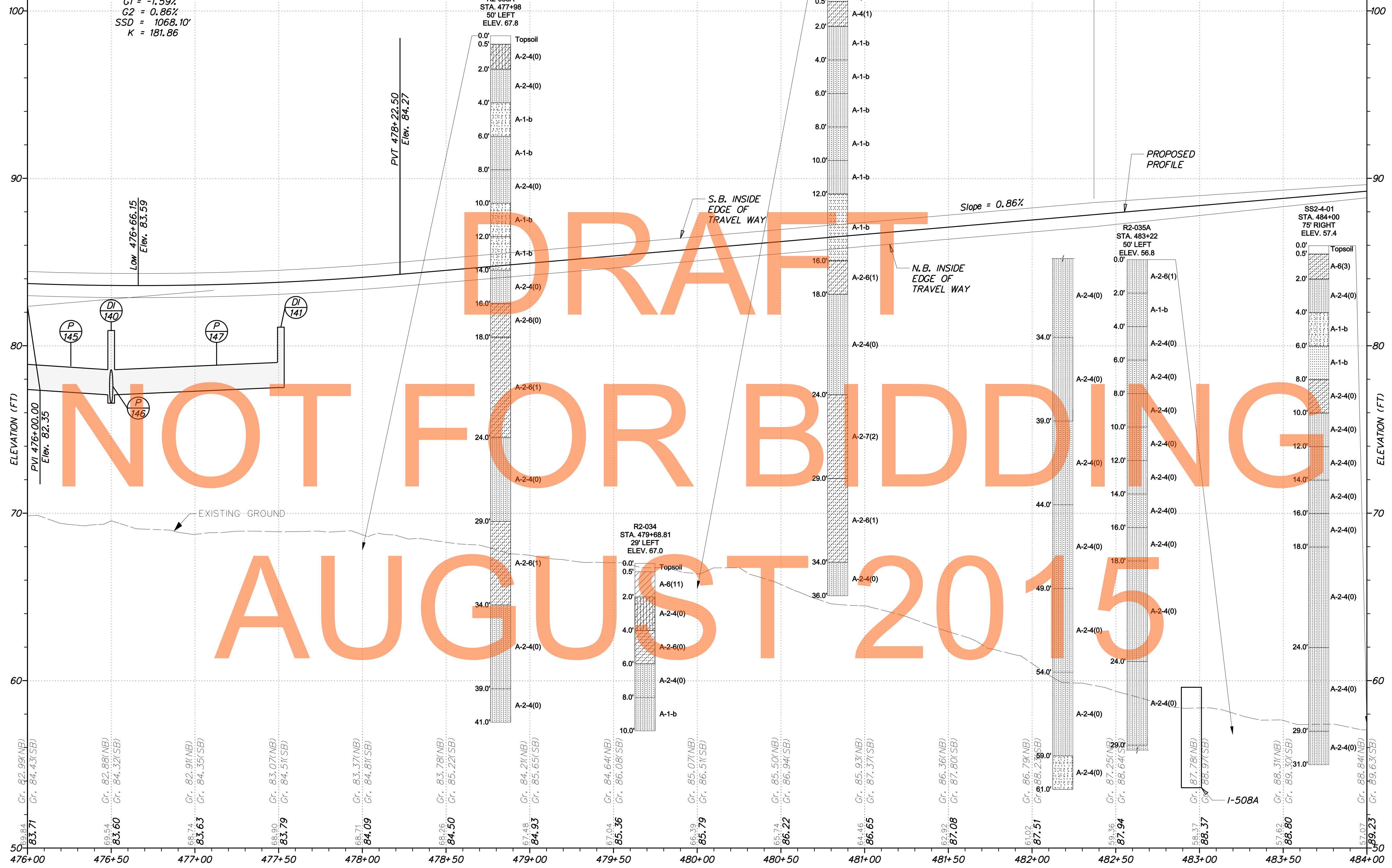
PROFILES

VERTICAL SCALE	9
FEET	6
	3
	0
PF-24	SHEET NO.
	156
	TOTAL SHTS.
	1256

FULL SUPERELEVATION 0.060 FT/FT

SUPERELEVATION RUNOFF

Type of Curve = Symmetric Parabola
Direction = Sag
Length = 445.00'
G1 = -1.59%
G2 = 0.86%
SSD = 1068.10'
K = 181.86



PVI 478+22.50
Elev. 84.27

Low 476+66.15
Elev. 83.59

PVI 476+00.00
Elev. 82.35

DRAFT NOT FOR BIDDING AUGUST 2015

Slope = 0.86%

PROPOSED PROFILE

S.B. INSIDE EDGE OF TRAVEL WAY

N.B. INSIDE EDGE OF TRAVEL WAY

EXISTING GROUND

R2-034
STA. 479+88.81
29' LEFT
ELEV. 67.0

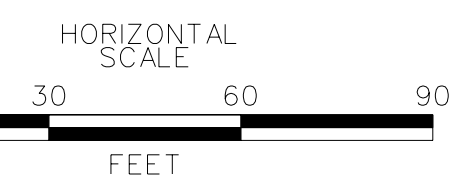
R2-034A
STA. 480+00
50' LEFT
ELEV. 65.5

R2-035A
STA. 483+22
50' LEFT
ELEV. 56.8

SS2-4-01
STA. 484+00
75' RIGHT
ELEV. 57.4

US 301 - MAINLINE

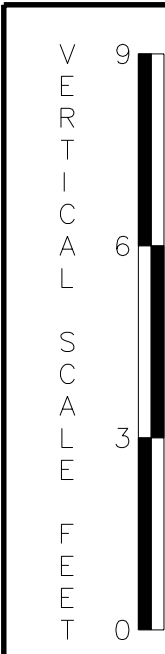
ADDENDUMS / REVISIONS



US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

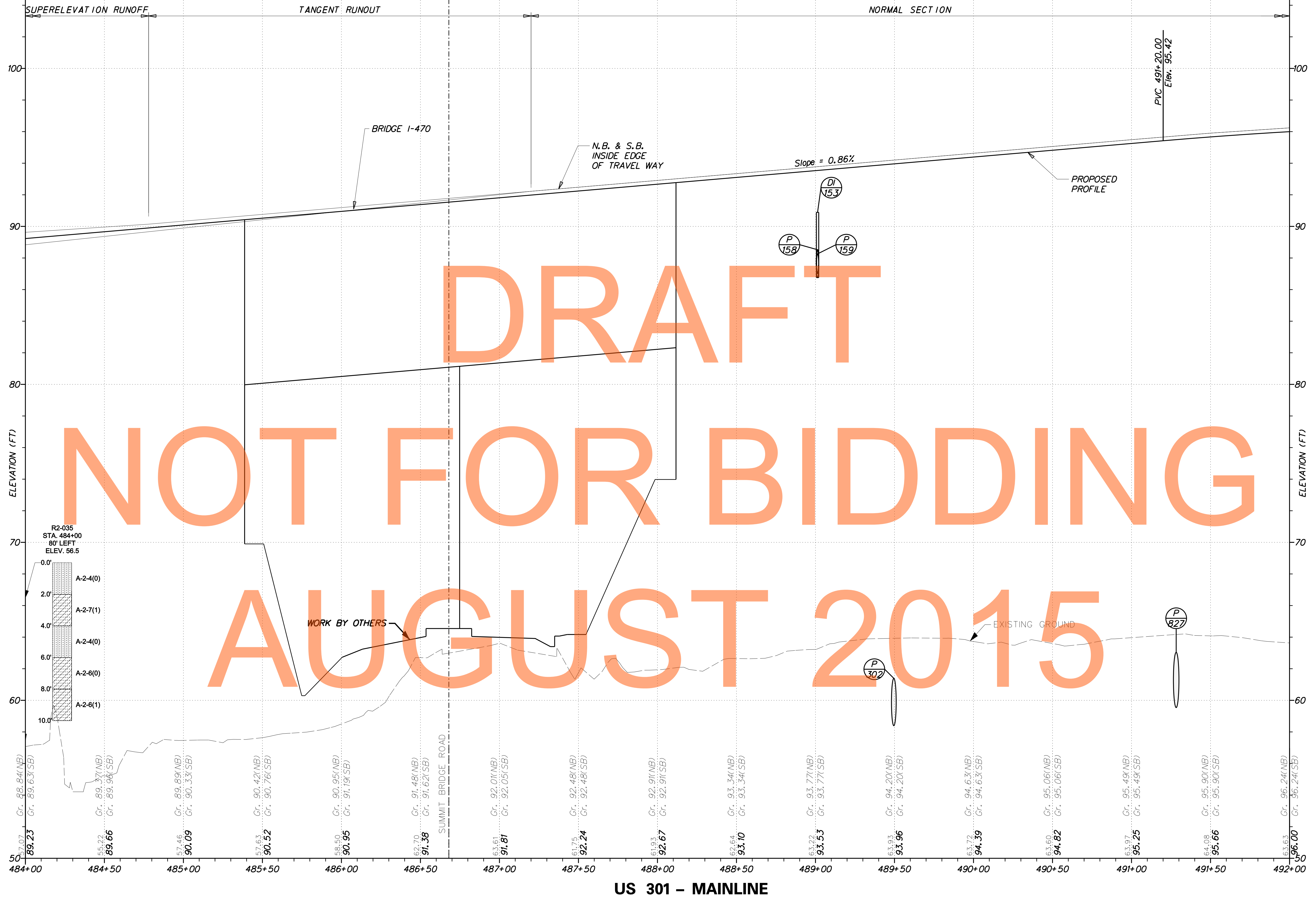
PROFILES



PF-25	SHEET NO.
	157
	TOTAL SHTS.
	1256

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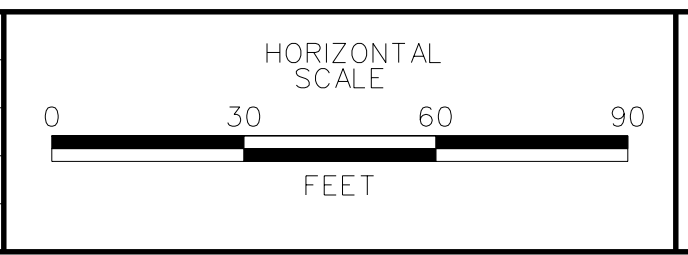


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NOT FOR BIDDING
AUGUST 2015

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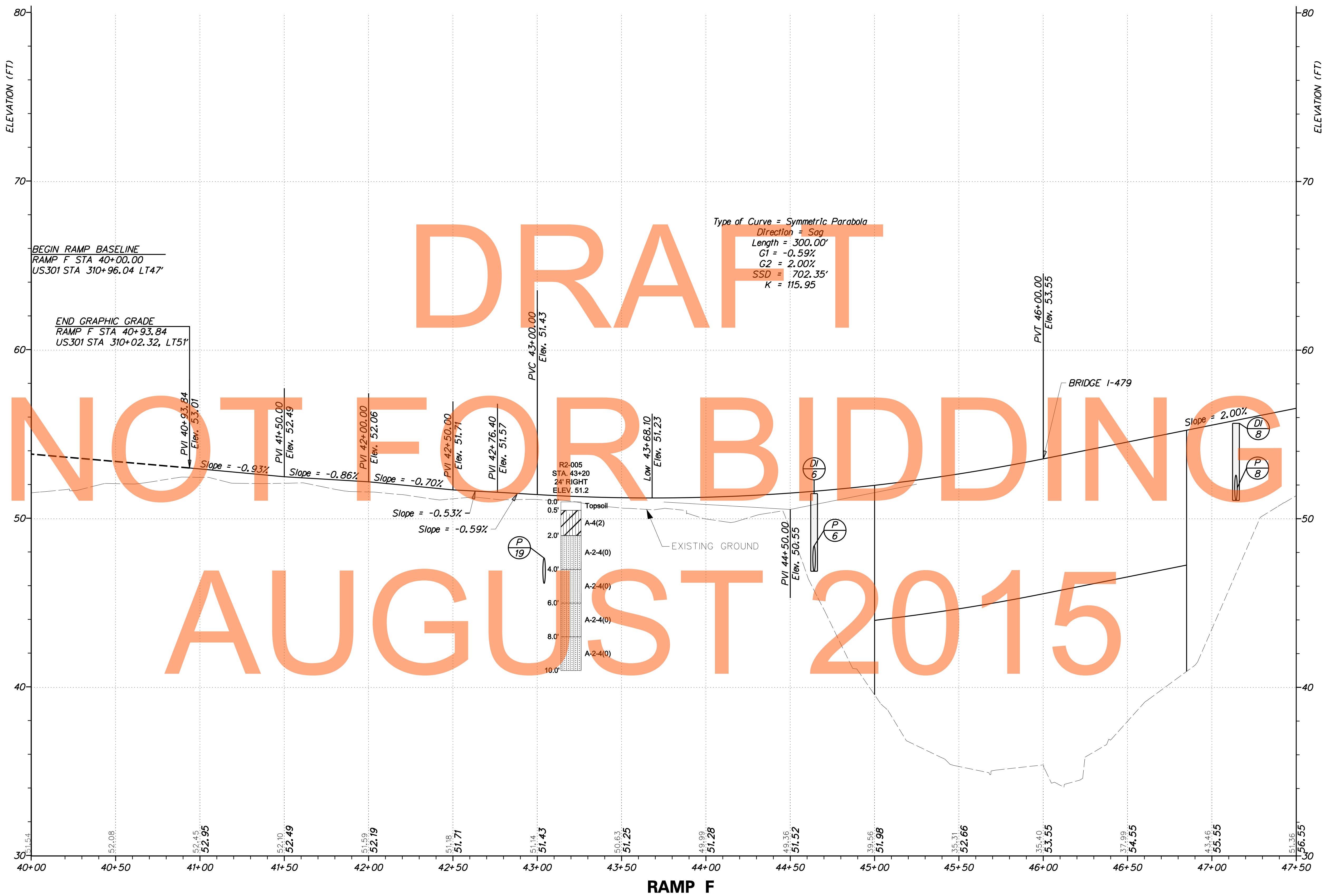
ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	PROFILES
T200911303	DESIGNED BY: AM	
COUNTY	CHECKED BY: DRB	
NEW CASTLE		

PF-26	SHEET NO.
	158
	TOTAL SHTS.
	1256



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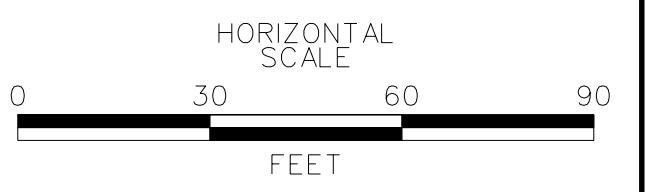
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS	

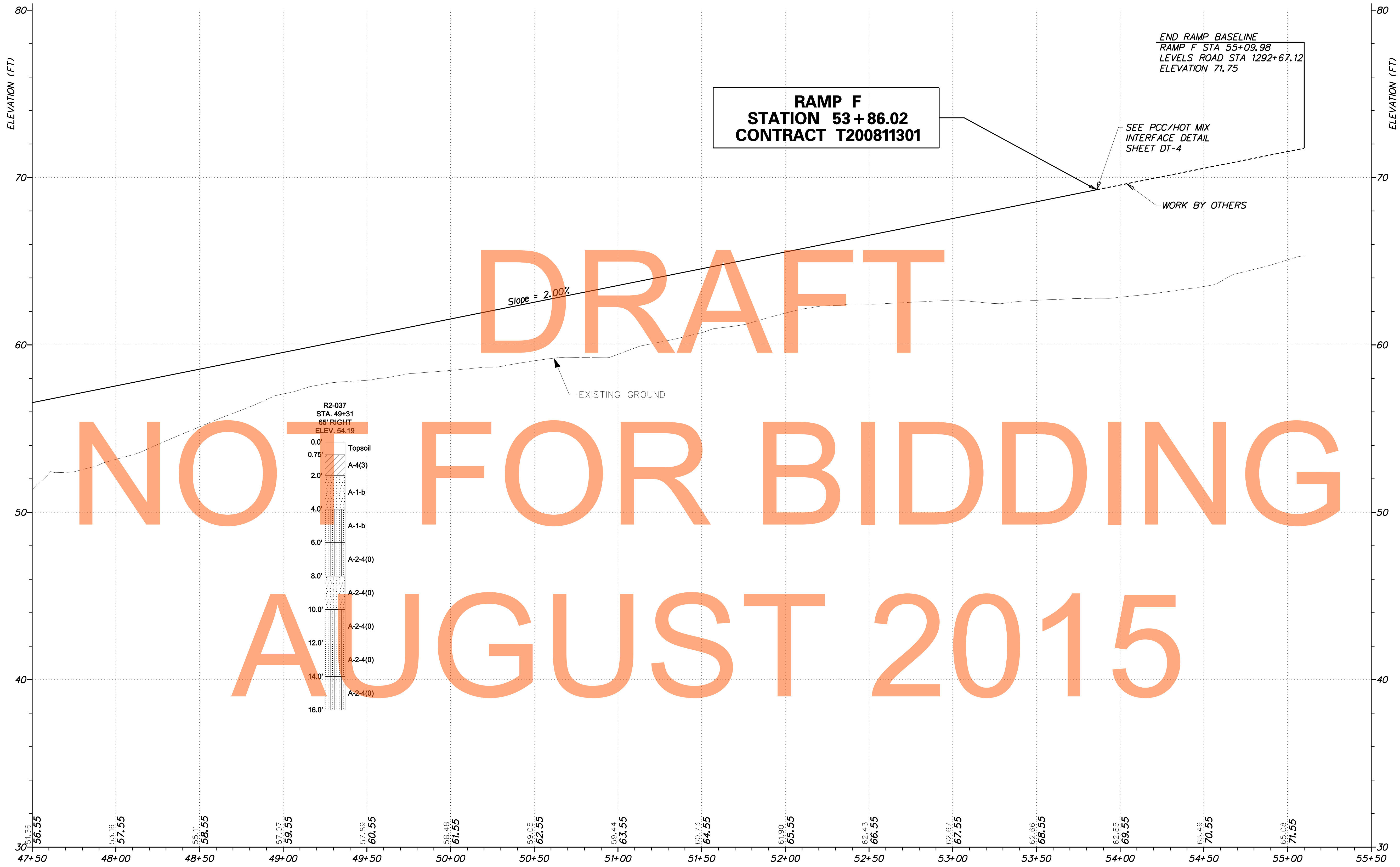


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	T20091303
COUNTY	NEW CASTLE
BRIDGE NO.	
DESIGNED BY:	AM
CHECKED BY:	DRB

PROFILES

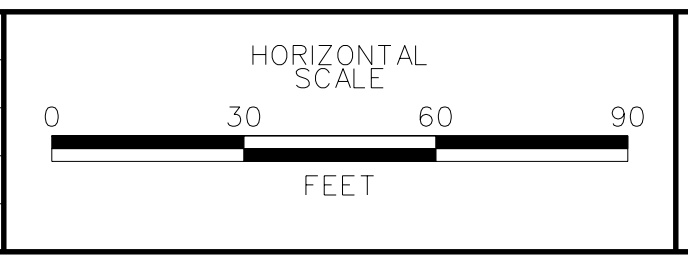
VERTICAL SCALE	9
FEET	6
	3
	0
Pf-28	SHEET NO.
	160
	TOTAL SHTS.
	1256



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ADDENDUMS / REVISIONS	



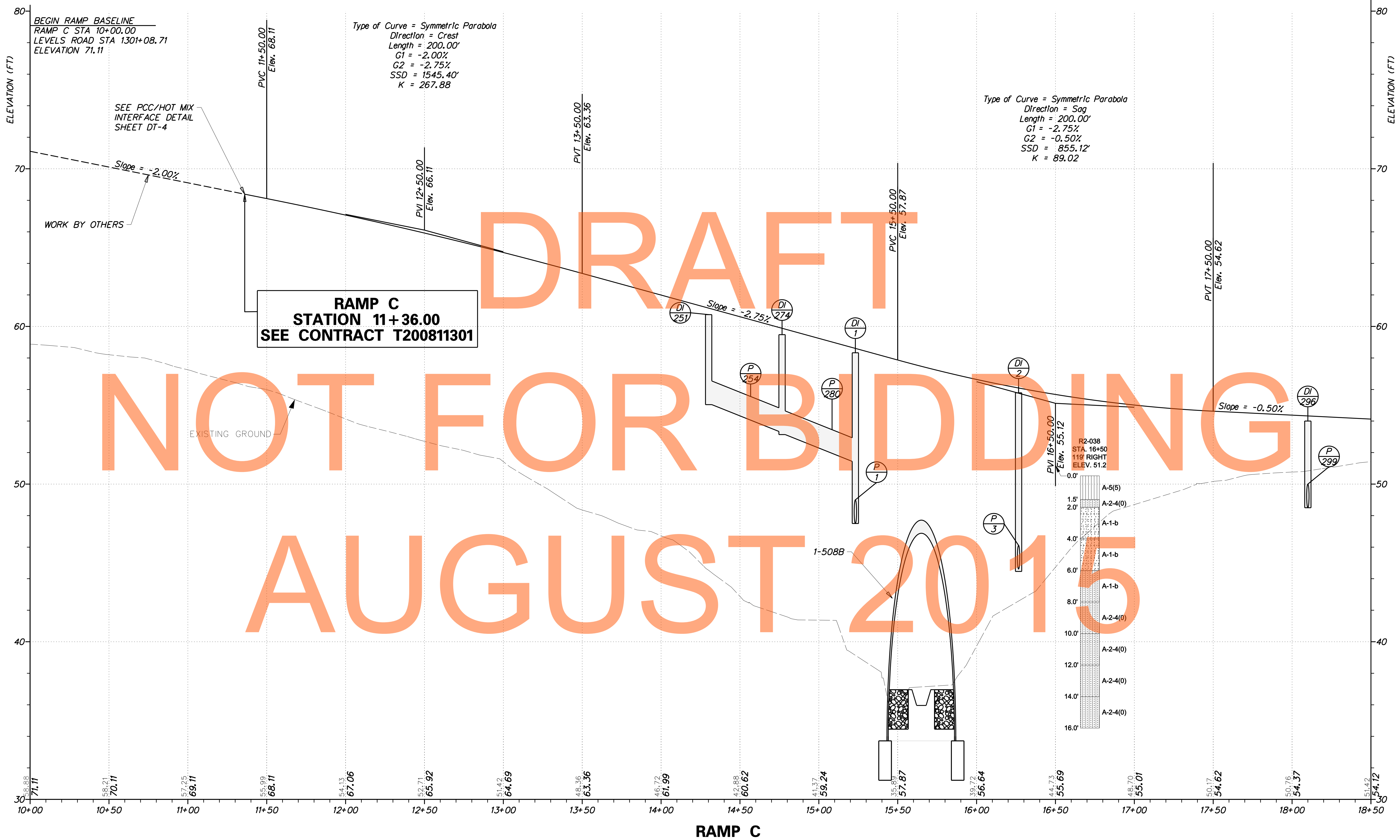
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AM
	CHECKED BY: DRB

PROFILES

VERTICAL SCALE FEET 0 3 6 9
PF-29
SHEET NO. 161
TOTAL SHTS. 1256

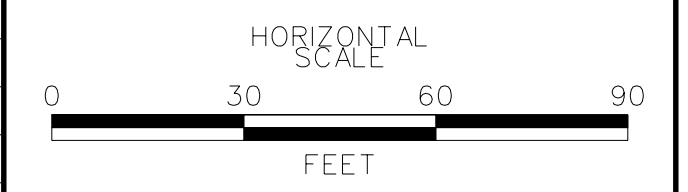
DRAFT
NOT FOR BIDDING
AUGUST 2015



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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

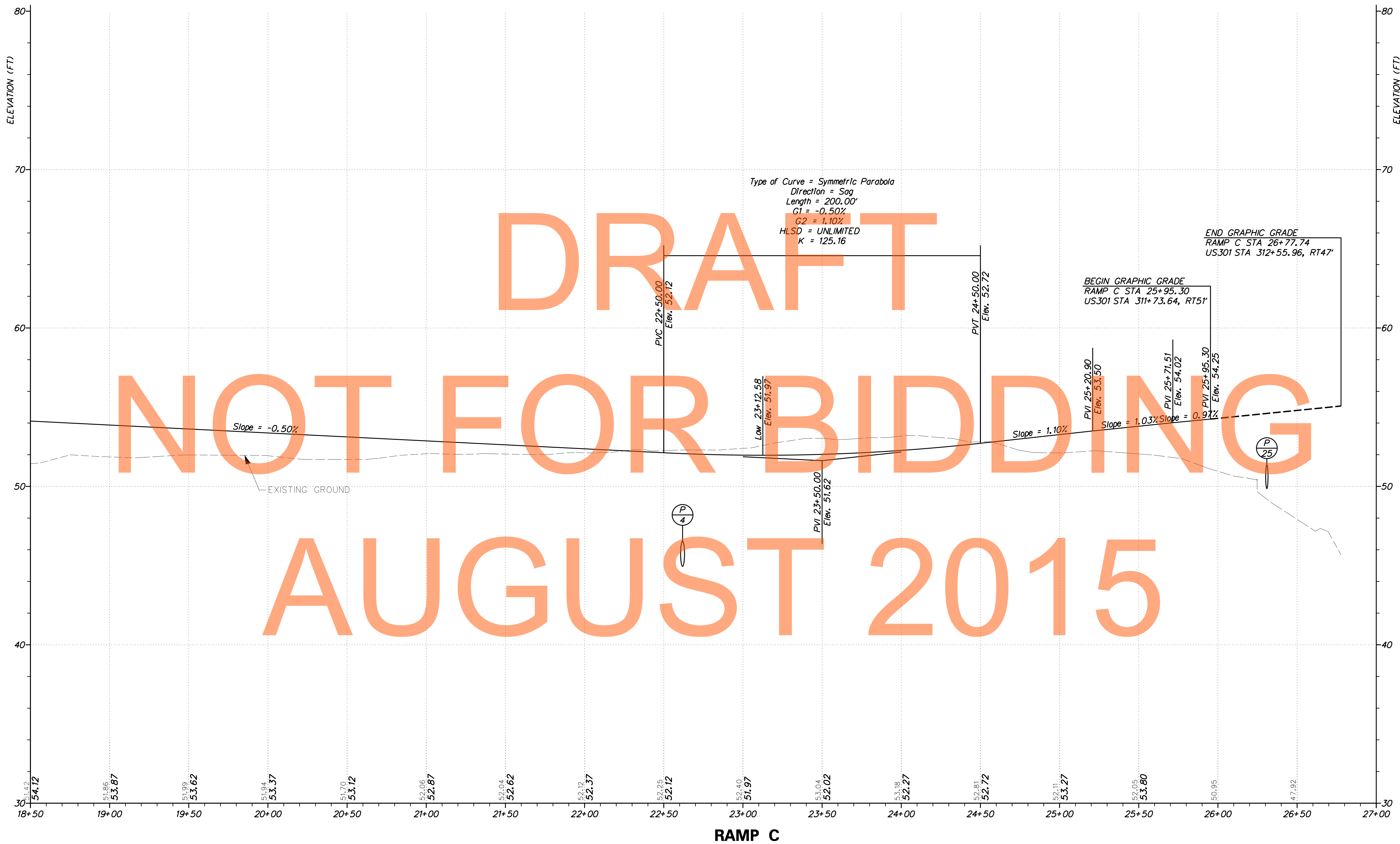
PROFILES

VERTICAL SCALE: 0 3 6 9 FEET
PF-30
SHEET NO. 162
TOTAL SHTS. 1256

DRAFT

NOT FOR BIDDING

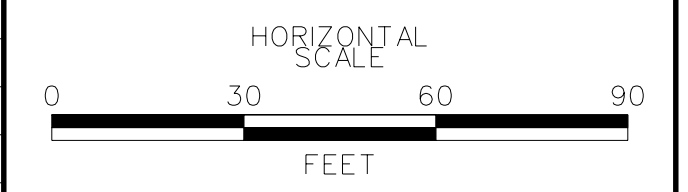
AUGUST 2015



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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T200911303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

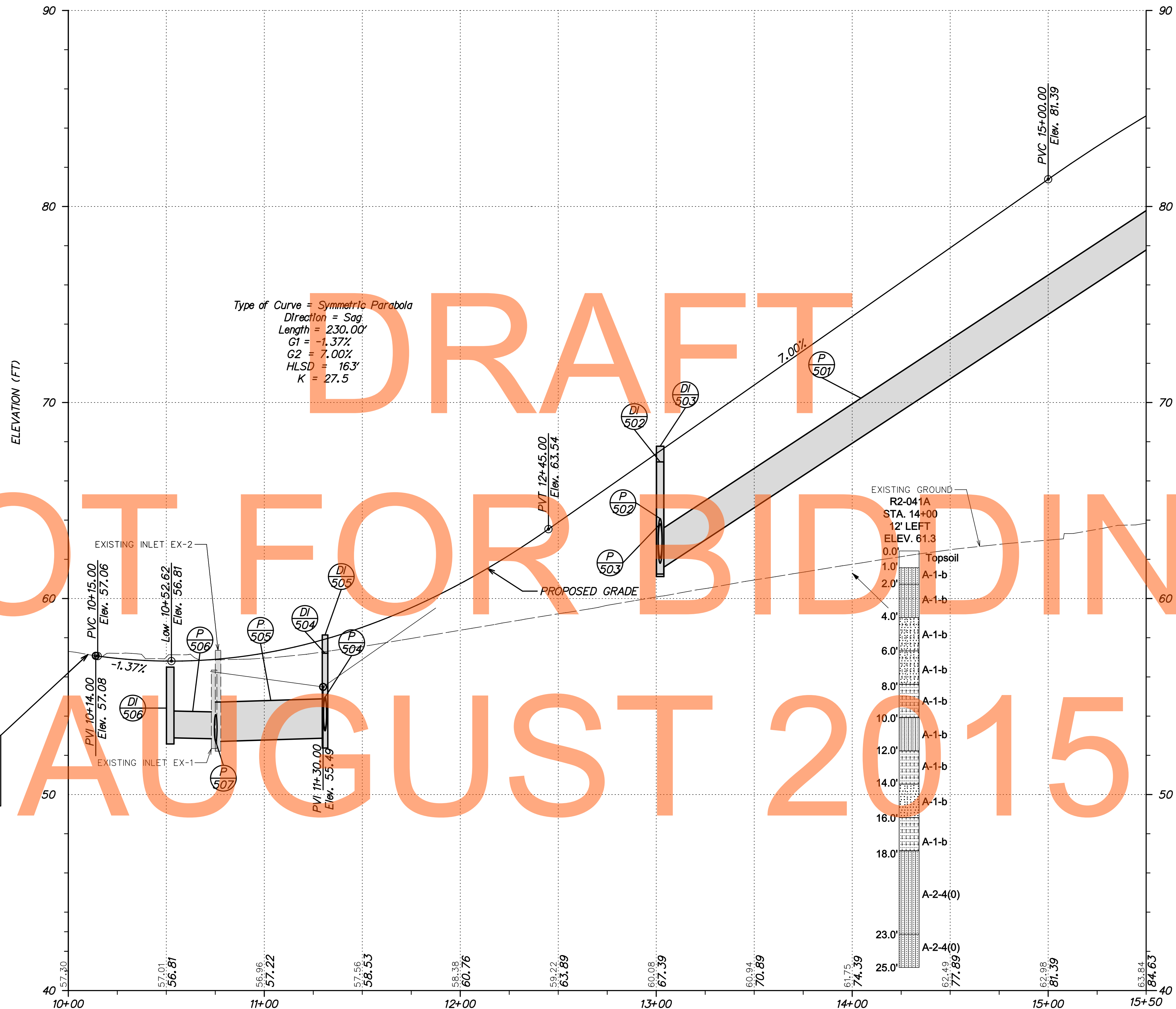
PROFILES

VERTICAL SCALE: FEET	9 6 3 0
PF-31	SHEET NO.
	163
	TOTAL SHTS.
	1256

DRAFT

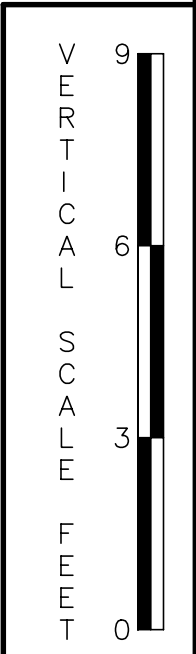
NOT FOR BIDDING

AUGUST 2015



**LIMIT OF CONSTRUCTION
 CONTRACT T200911303
 STATION 10+10.00**

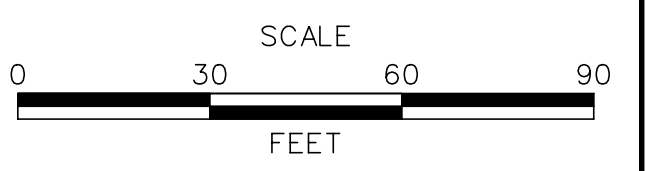
BUNKER HILL ROAD (SR 15)



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ADDENDUMS / REVISIONS	



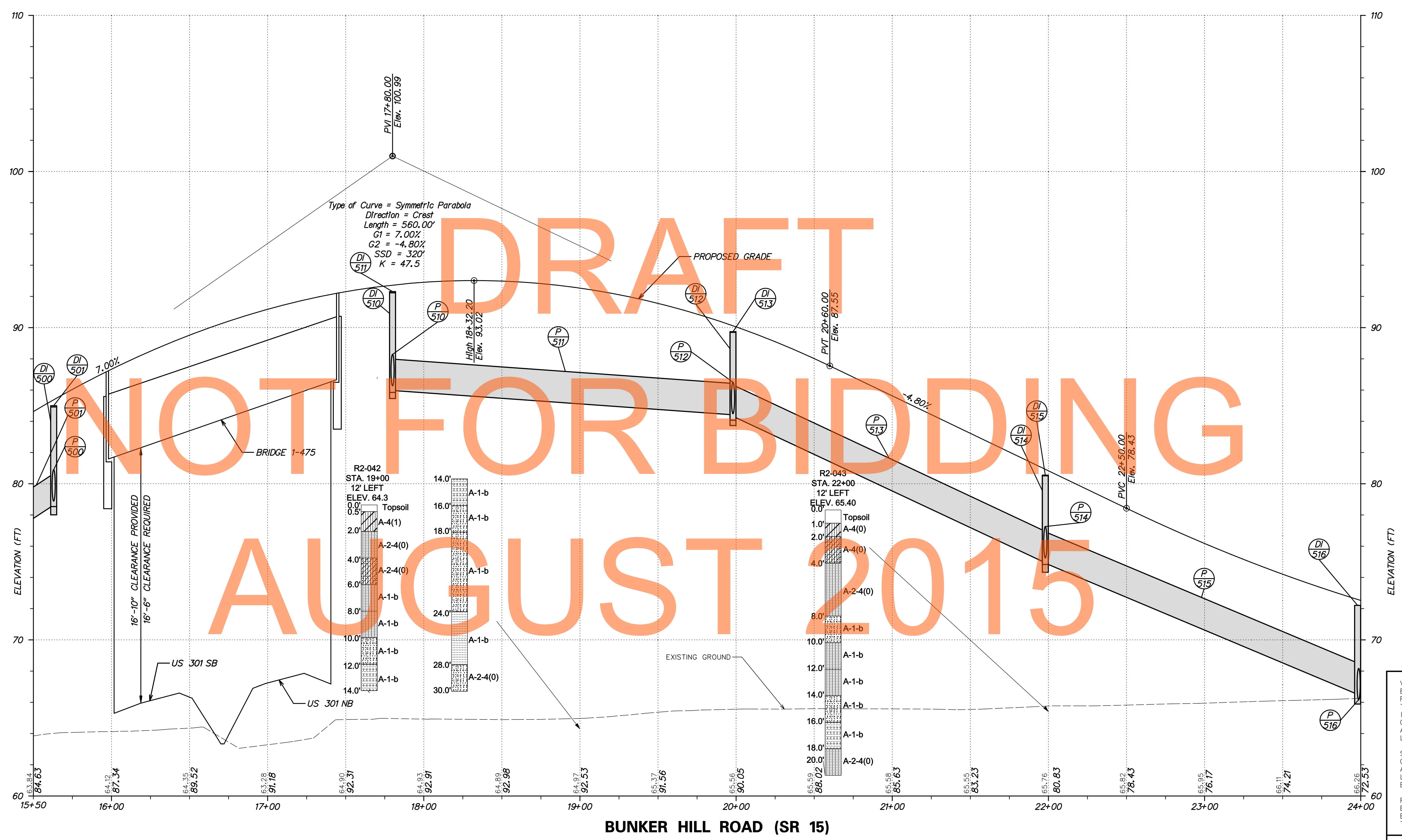
**US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.	
COUNTY NEW CASTLE	DESIGNED BY:	JL
	CHECKED BY:	MT

PROFILES

PF-32	SHEET NO.
	164
	TOTAL SHTS.
	1256

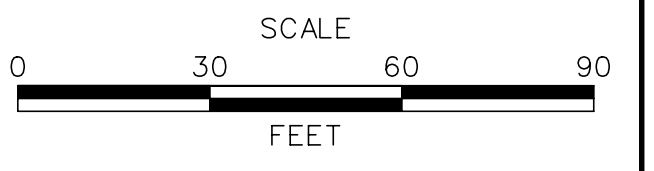
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DRAFT
NOT FOR BIDDING
AUGUST 2015



ADDENDUMS / REVISIONS	

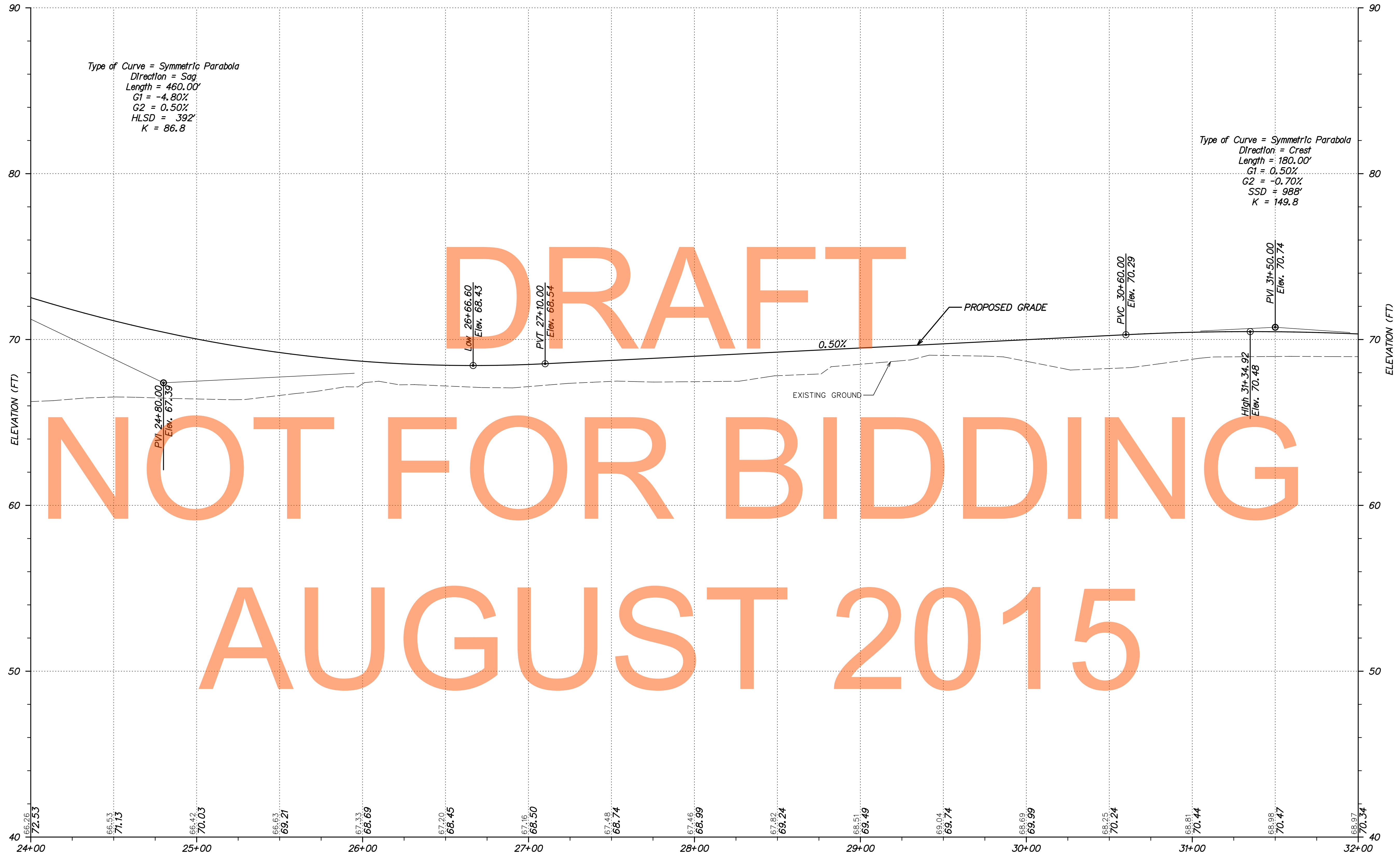


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JL
	CHECKED BY: MT

PROFILES

VERTICAL SCALE FEET	9 6 3 0
PF-33	SHEET NO. 165
	TOTAL SHTS. 1256



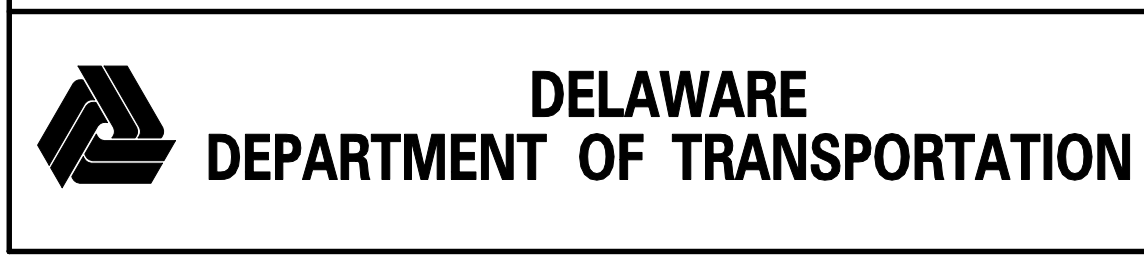
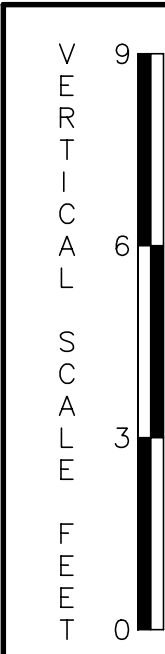
DRAFT

NOT FOR BIDDING

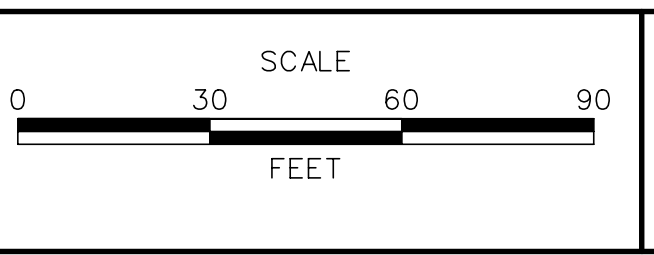
AUGUST 2015

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BUNKER HILL ROAD (SR 15)



ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	JL
COUNTY	CHECKED BY:	MT
NEW CASTLE		

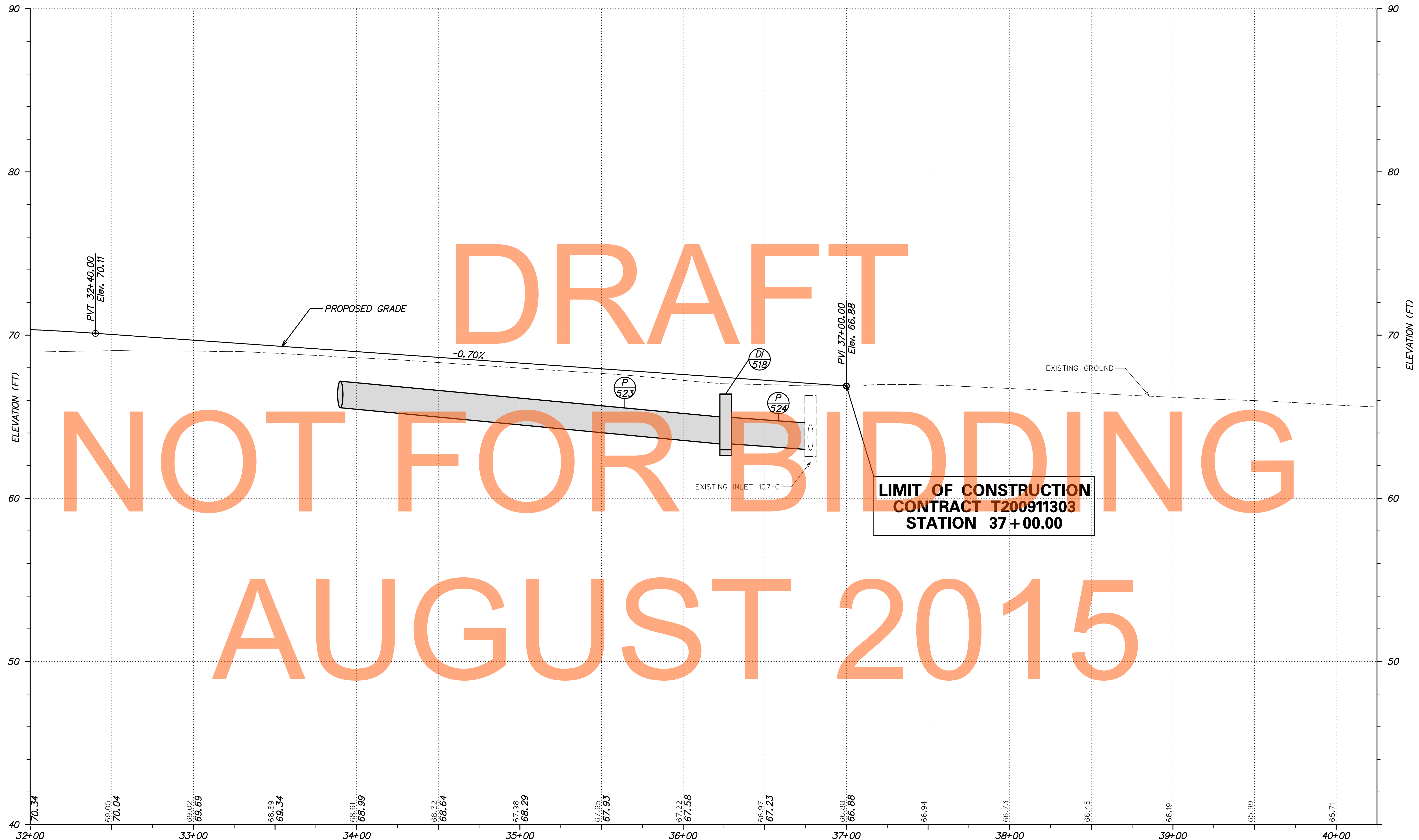
PROFILES

PF-34
SHEET NO.
166
TOTAL SHTS.
1256

DRAFT

NOT FOR BIDDING

AUGUST 2015

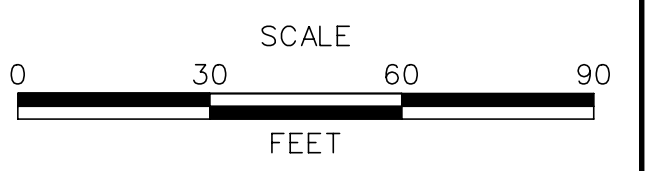


BUNKER HILL ROAD (SR 15)

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T200911303	DESIGNED BY:	JL
COUNTY	CHECKED BY:	MT
NEW CASTLE		

PROFILES

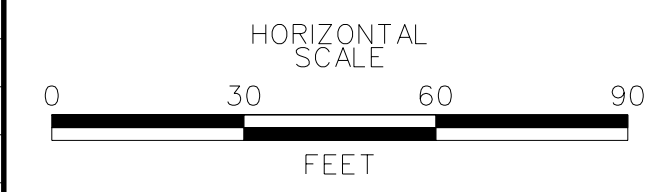
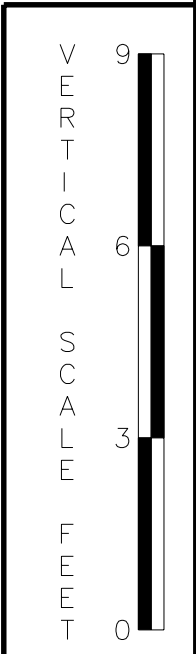
VERTICAL SCALE FEET	9
	6
	3
	0
PF-35	SHEET NO.
	167
	TOTAL SHTS.
	1256

Type of Curve = Symmetric Parabola
 Direction = Crest
 Length = 75.00'
 G1 = 9.58%
 G2 = 1.00%
 SSD = 163.31'
 K = 8.74

Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 75.00'
 G1 = 2.53%
 G2 = 9.58%
 SSD = 87.68'
 K = 10.65



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NOT FOR BIDDING
AUGUST 2015



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DELAWARE DEPARTMENT OF TRANSPORTATION

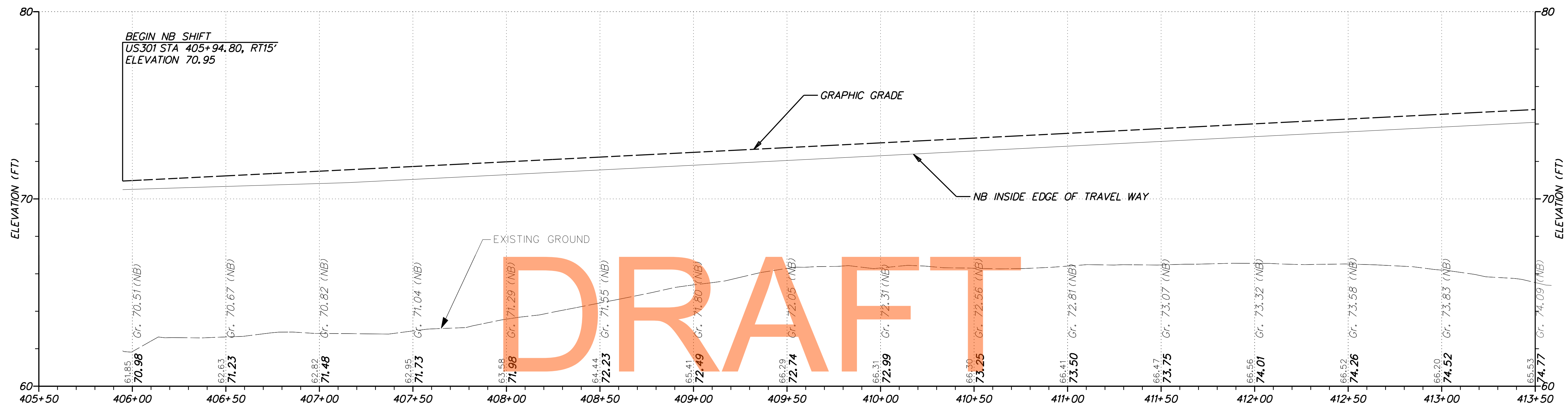
ADDENDUMS / REVISIONS	

US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

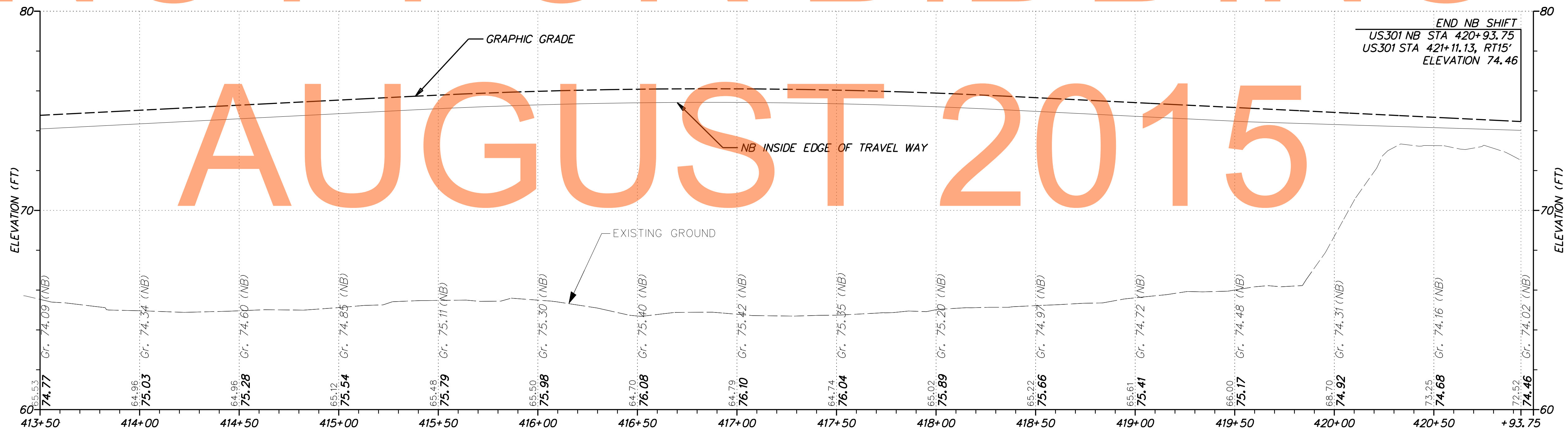
CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

PF-36	SHEET NO.
	168
	TOTAL SHTS.
	1256



NOT FOR BIDDING

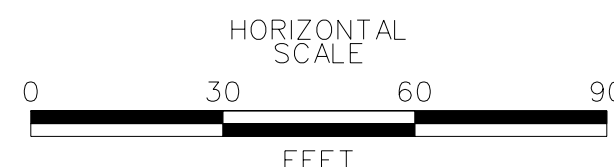


US 301 NB

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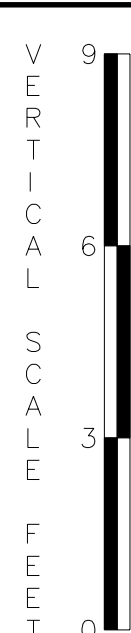
ADDENDUMS / REVISIONS



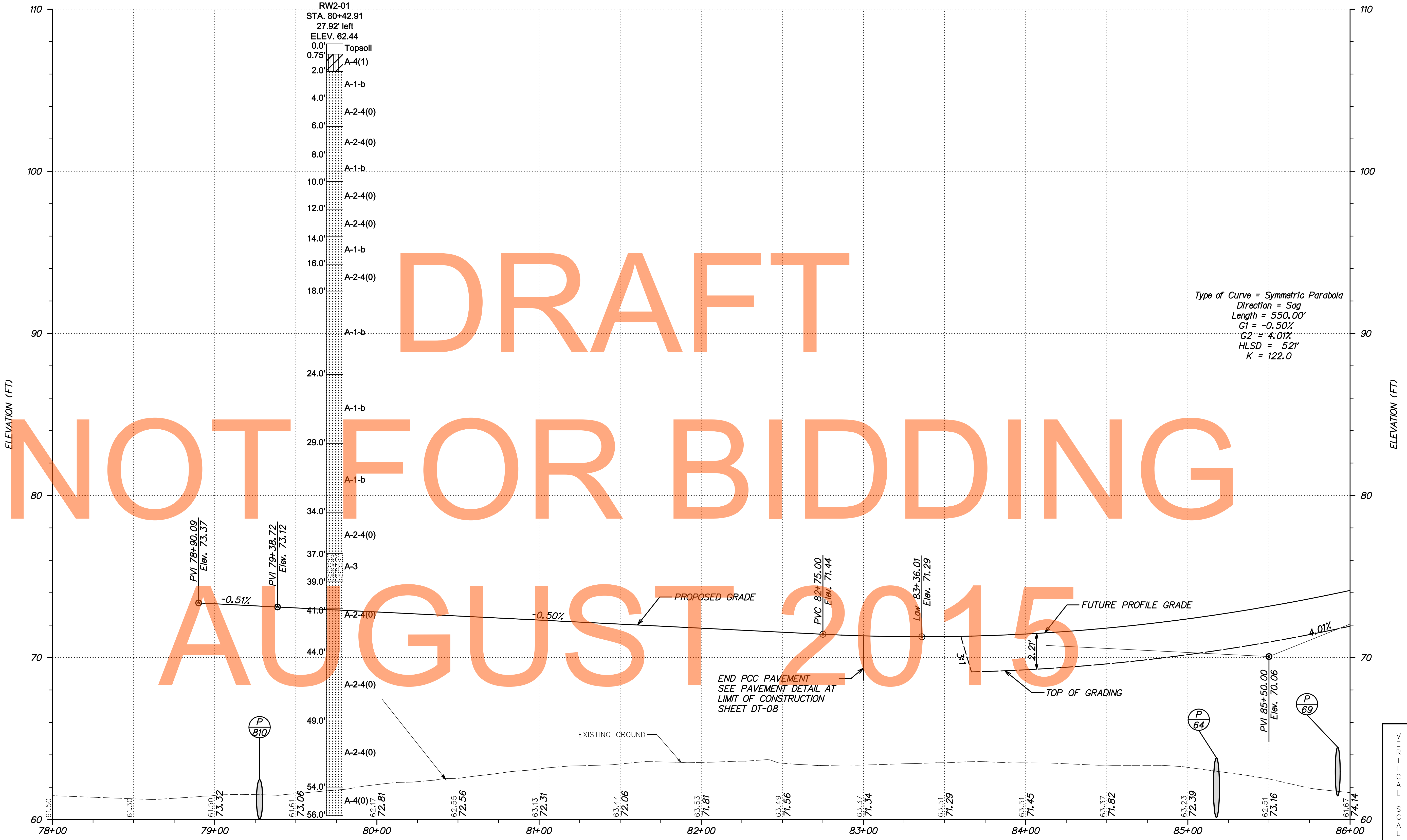
US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES



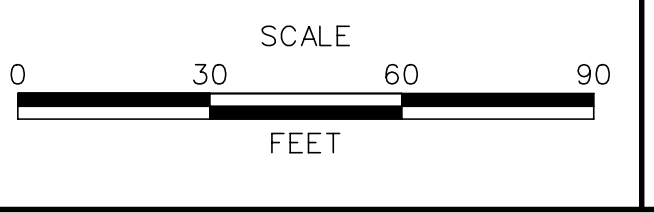
PF-37
SHEET NO.
169
TOTAL SHTS.
1256



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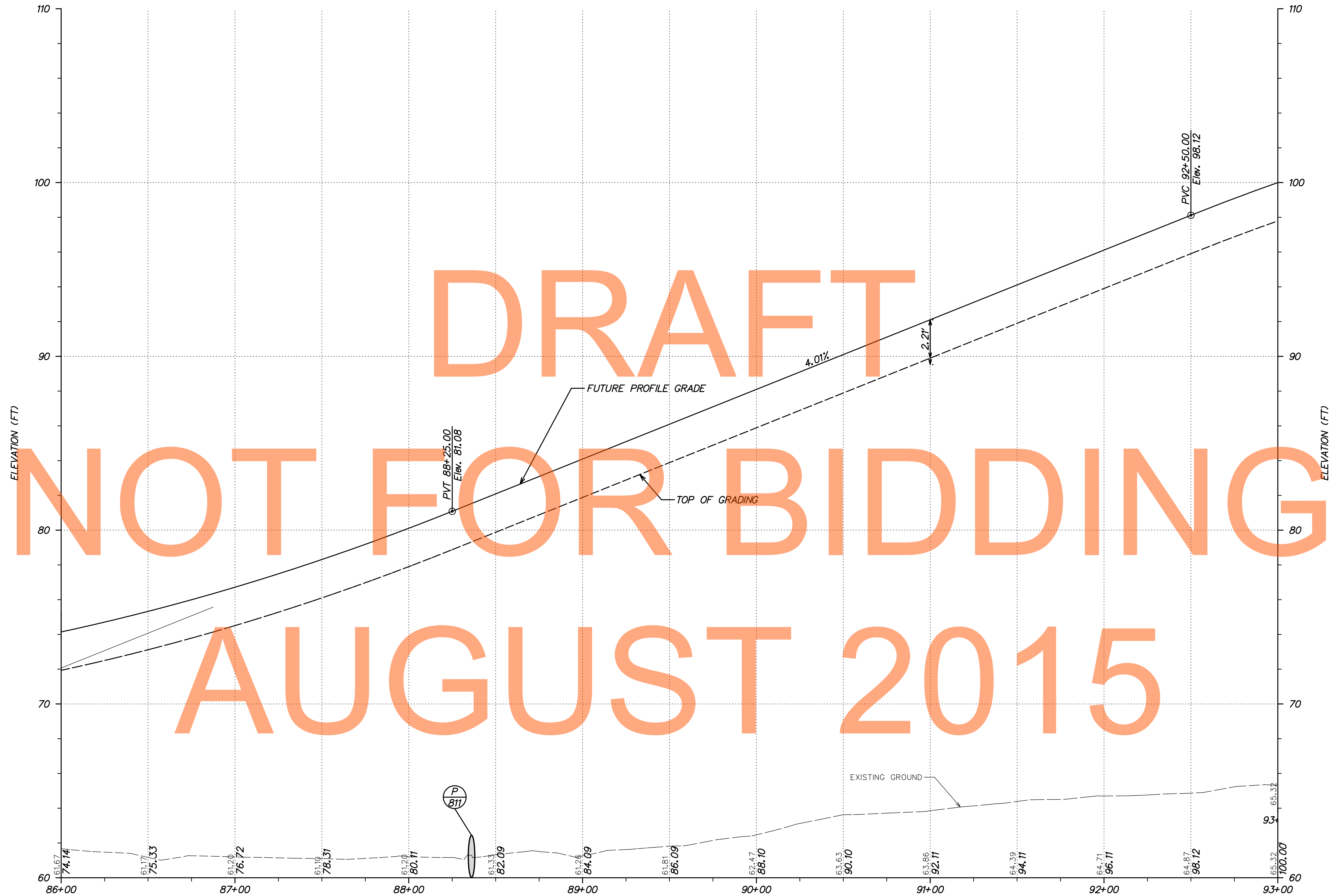
ADDENDUMS / REVISIONS	



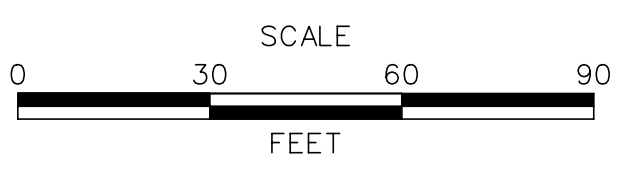
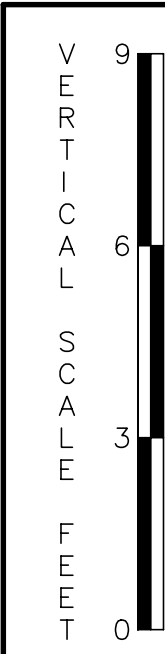
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	PROFILES
T20091303	DESIGNED BY: JH	
COUNTY	CHECKED BY: MT	
NEW CASTLE		

VERTICAL SCALE	9
FEET	6
	3
	0
PF-38	SHEET NO.
	170
	TOTAL SHTS.
	1256



RAMP G



ADDENDUMS / REVISIONS	

**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

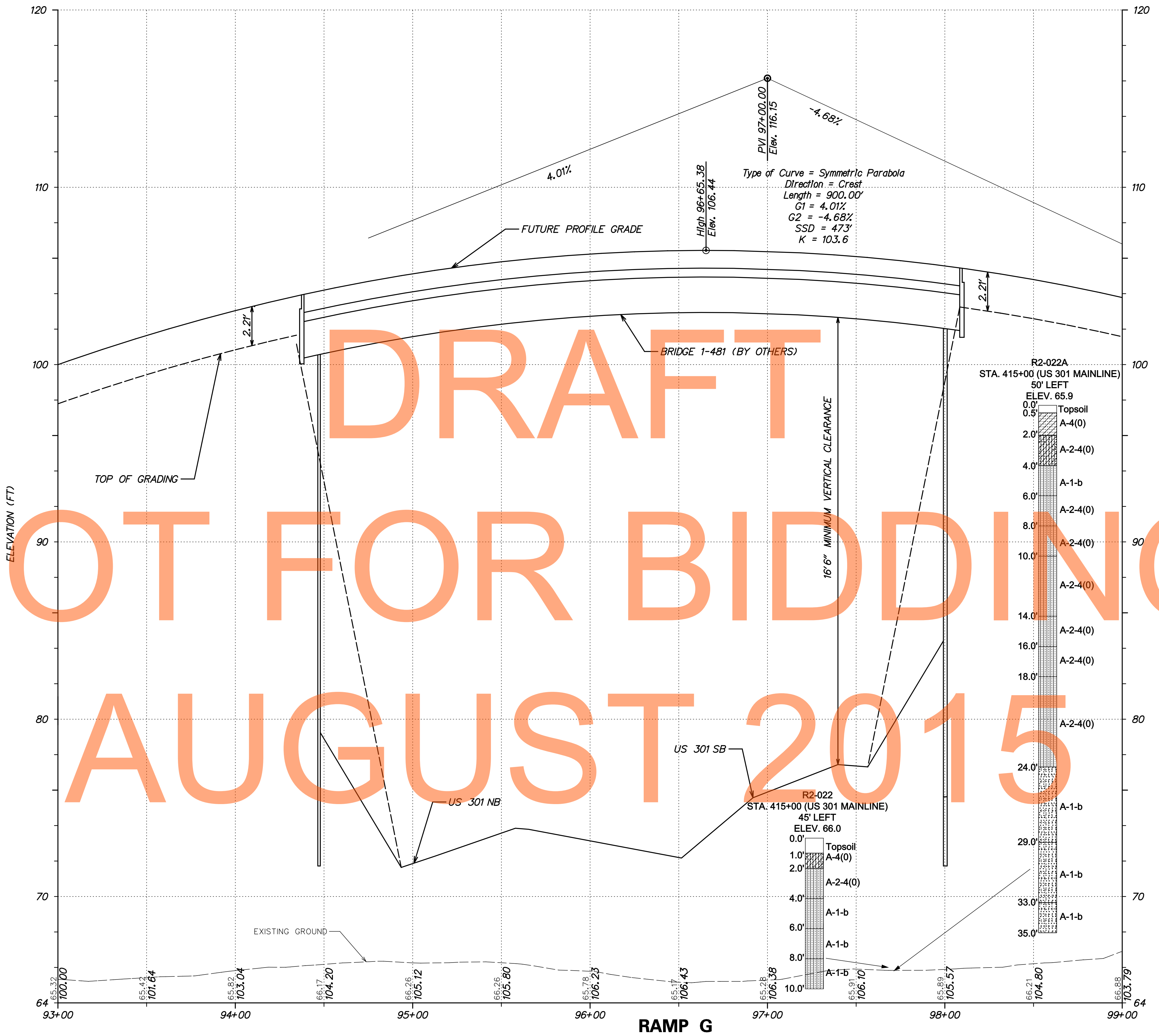
CONTRACT T20091303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JH
	CHECKED BY: MT

PROFILES

PF-39
SHEET NO. 171
TOTAL SHTS. 1256

T:\NEW CASTLE\301\ROAD\T20091303\PLANS\CP\PF_SPU\PF-G02.DGN

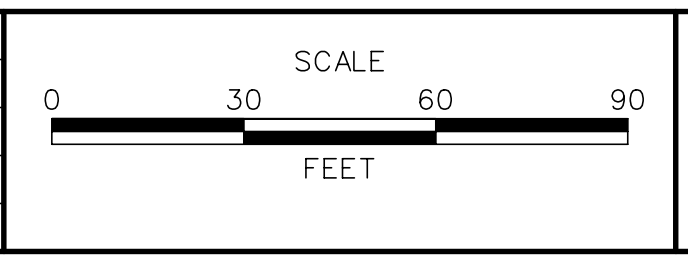
DRAFT
NOT FOR BIDDING
AUGUST 2015



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	



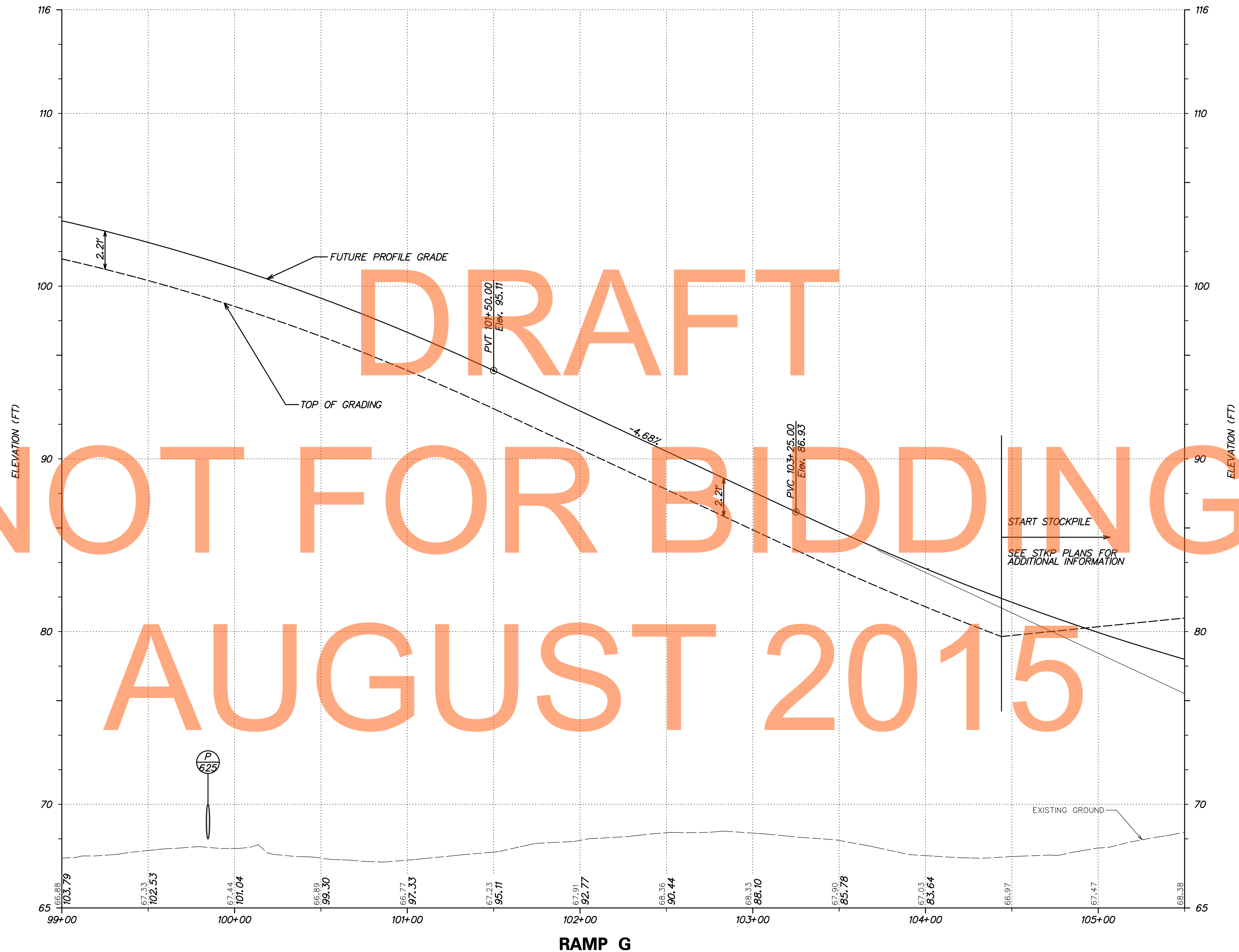
US 301 LEVELS ROAD TO SUMMIT BRIDGE ROAD

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JH
	CHECKED BY: MT

PROFILES

VERTICAL SCALE 0 3 6 9 FEET
PF-40
SHEET NO. 172
TOTAL SHTS. 1256

DRAFT
NOT FOR BIDDING
AUGUST 2015



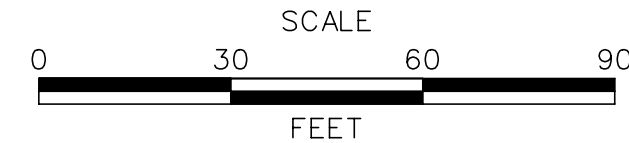
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**DELAWARE
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS

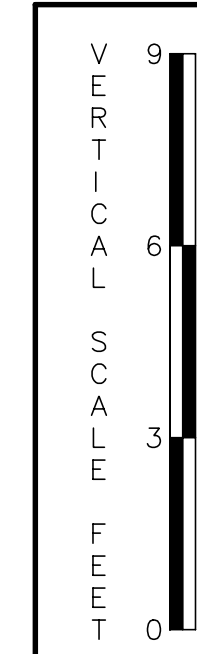
NO.	DATE	DESCRIPTION



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T20091303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: JH
	CHECKED BY: MT

PROFILES

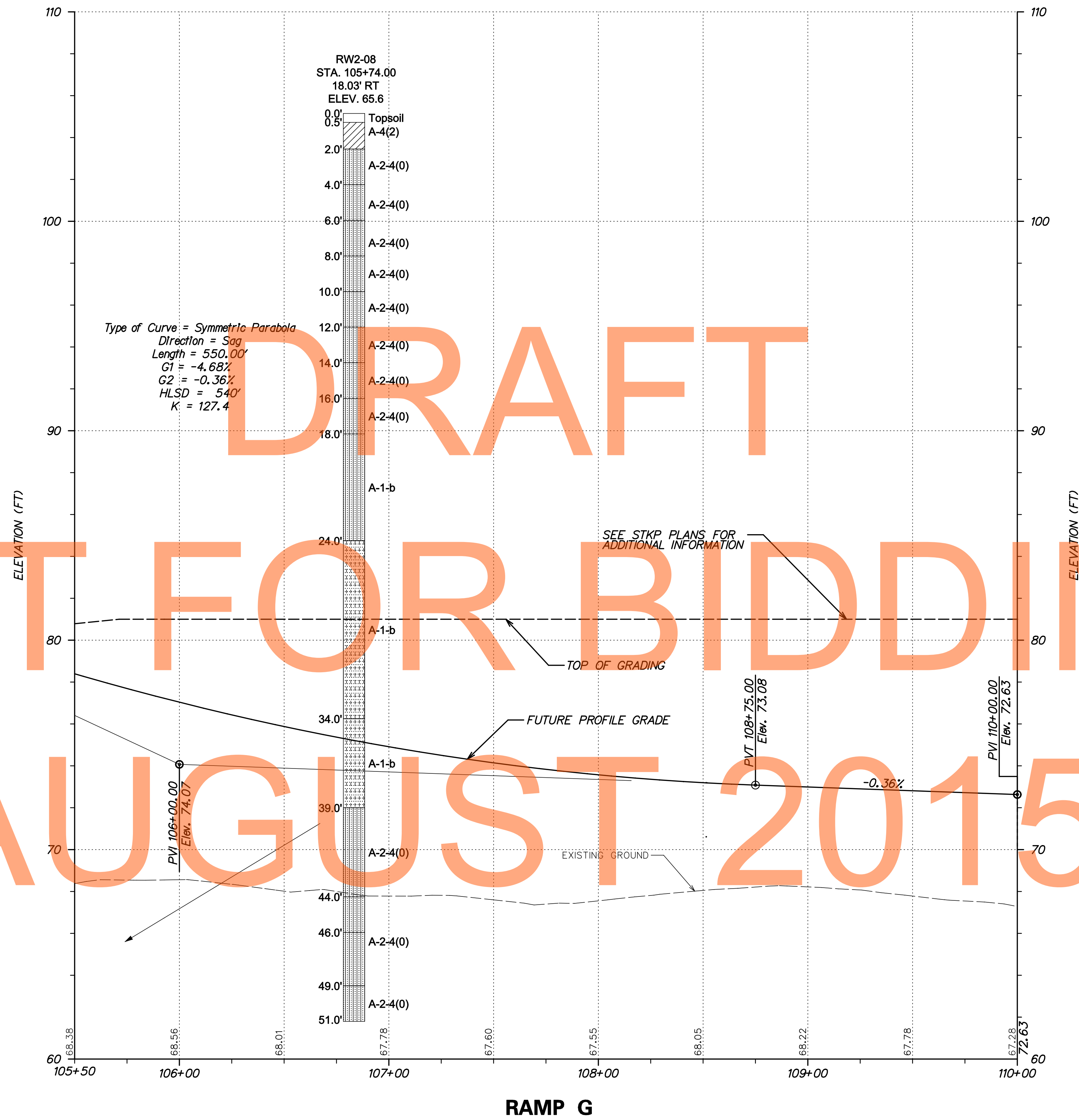


PF-41
SHEET NO. 173
TOTAL SHTS. 1256

DRAFT

NOT FOR BIDDING

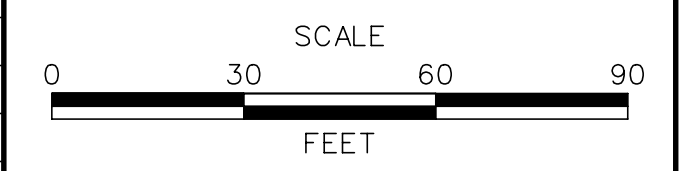
AUGUST 2015



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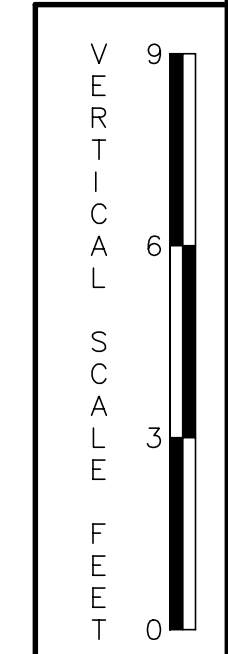


ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	PROFILES
T20091303	DESIGNED BY: JH	
COUNTY	CHECKED BY: MT	
NEW CASTLE		



PF-42
SHEET NO.
174
TOTAL SHTS.
1256

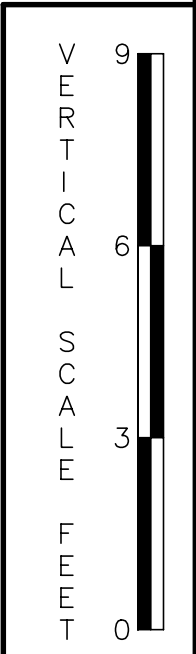
DRAFT

NOT FOR BIDDING

AUGUST 2015



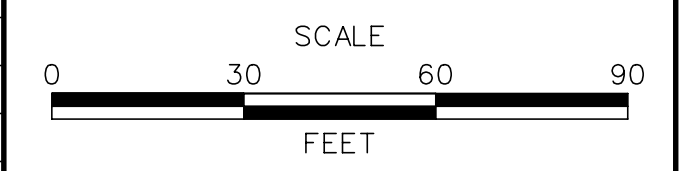
Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 300.00'
 G1 = 0.36%
 G2 = 2.40%
 HLSD = 1756'
 K = 147.2



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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JH
COUNTY	CHECKED BY:	MT
NEW CASTLE		

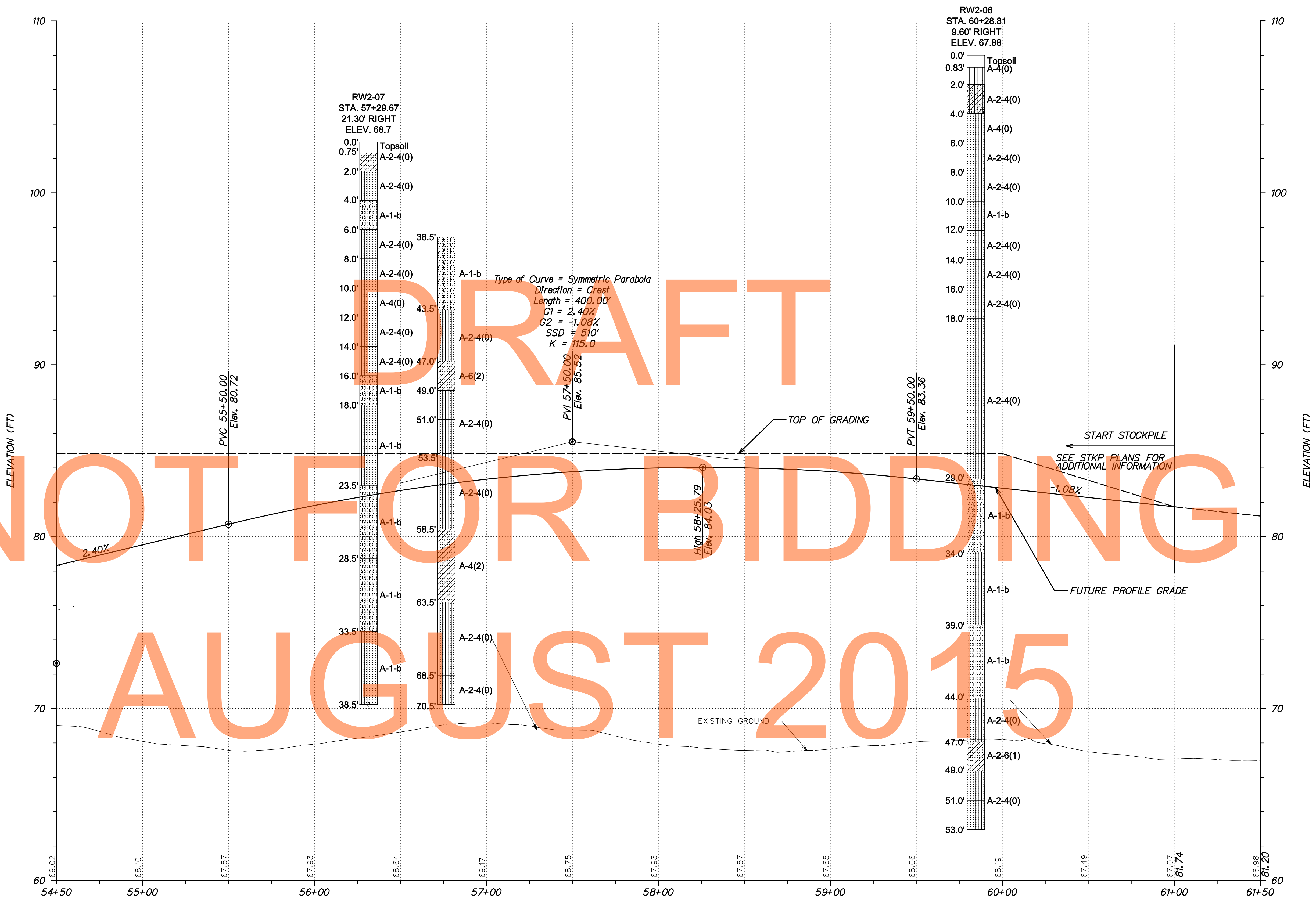
PROFILES

PF-43
SHEET NO.
175
TOTAL SHTS.
1256

DRAFT

NOT FOR BIDDING

AUGUST 2015

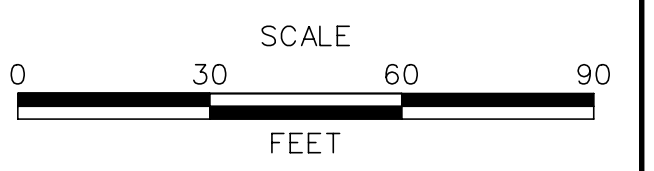


RAMP H

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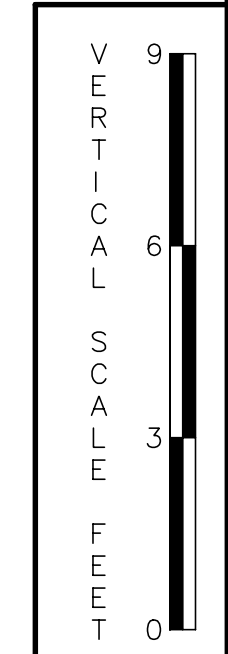


ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

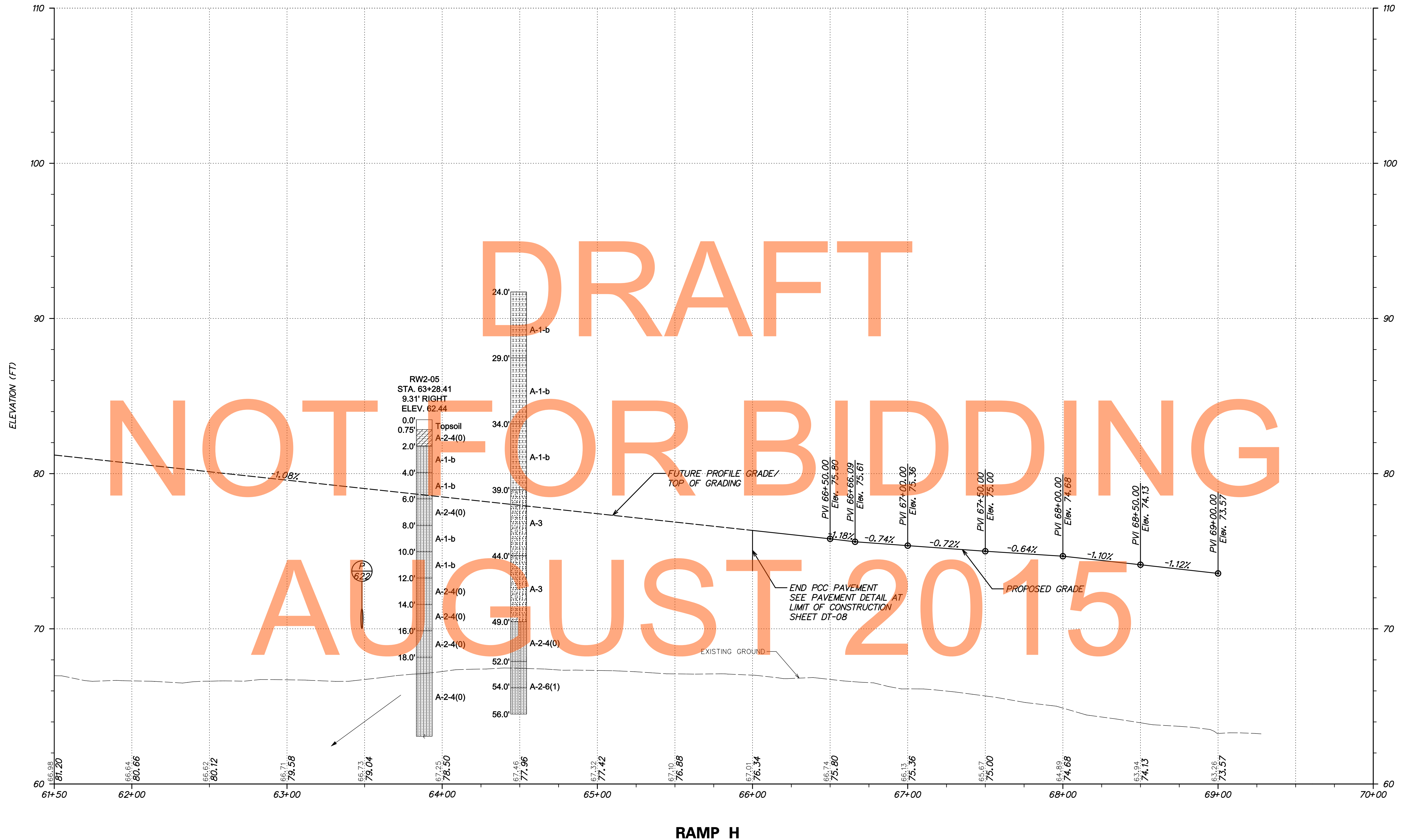
CONTRACT	BRIDGE NO.	PROFILES
T20091303	DESIGNED BY: JH	
COUNTY	CHECKED BY: MT	
NEW CASTLE		



PF-44
SHEET NO. 176
TOTAL SHTS. 1256

DRAFT

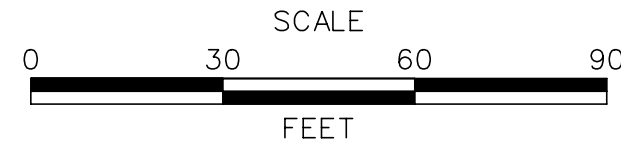
NOT FOR BIDDING
AUGUST 2015



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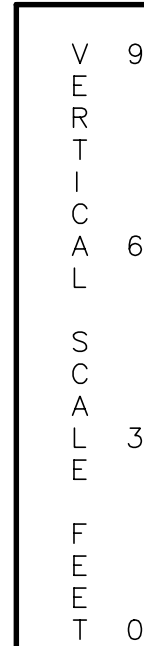
ADDENDUMS / REVISIONS



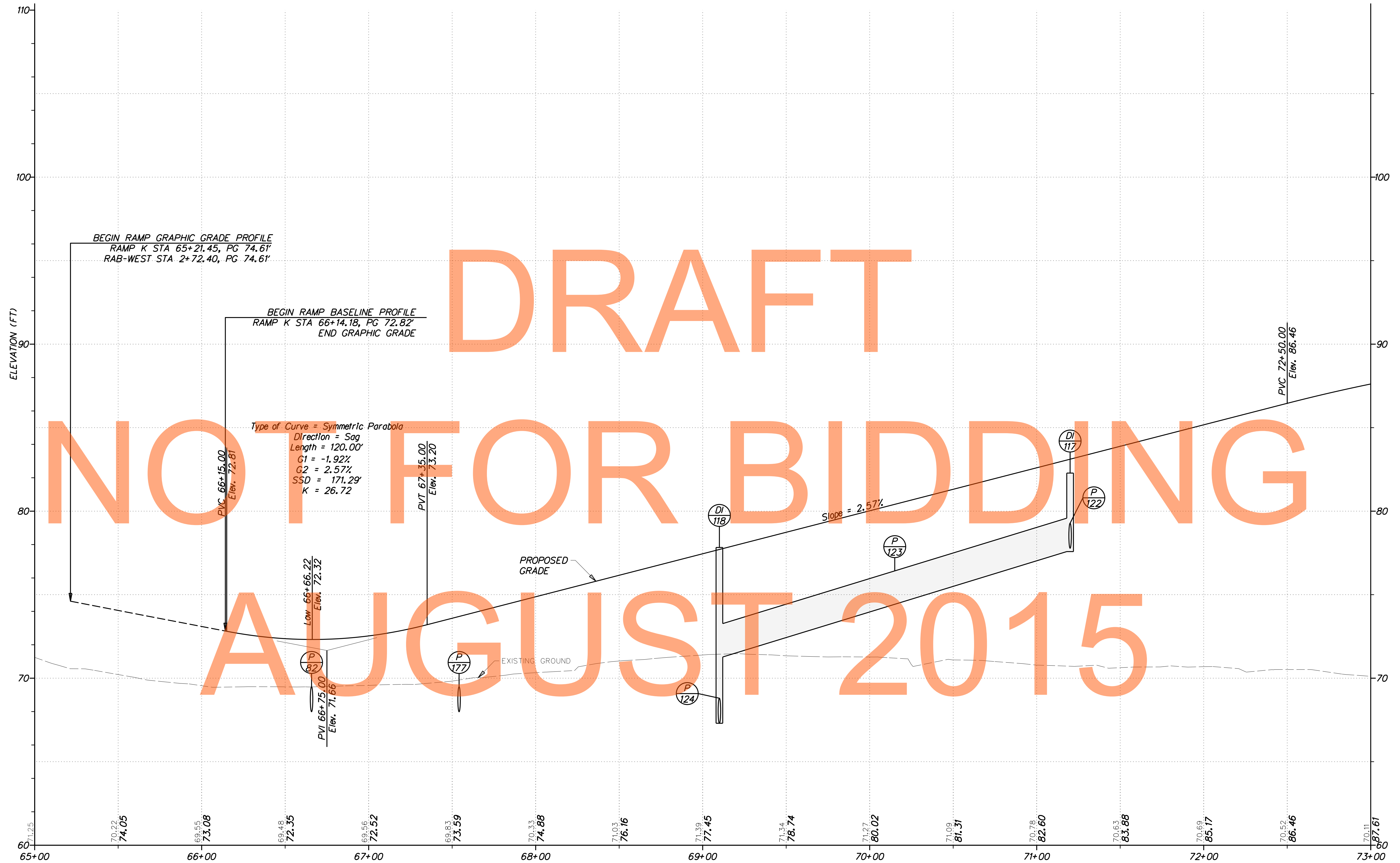
US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	JH
COUNTY	CHECKED BY:	MT
NEW CASTLE		

PROFILES



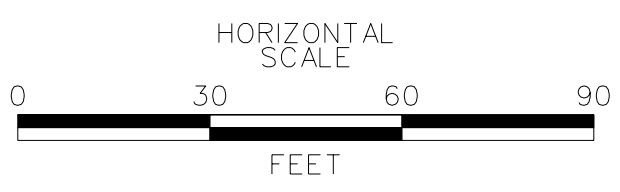
PF-45	SHEET NO.
	177
	TOTAL SHTS.
	1256



DRAFT
NOT FOR BIDDING
AUGUST 2015

RAMP K

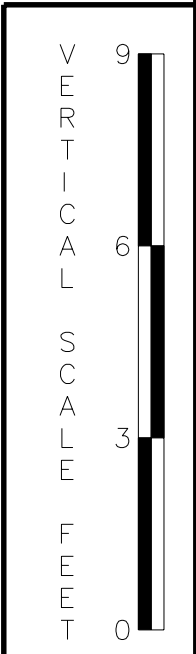
ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AM
	CHECKED BY: DRB

PROFILES



PF-46
SHEET NO. 178
TOTAL SHTS. 1256

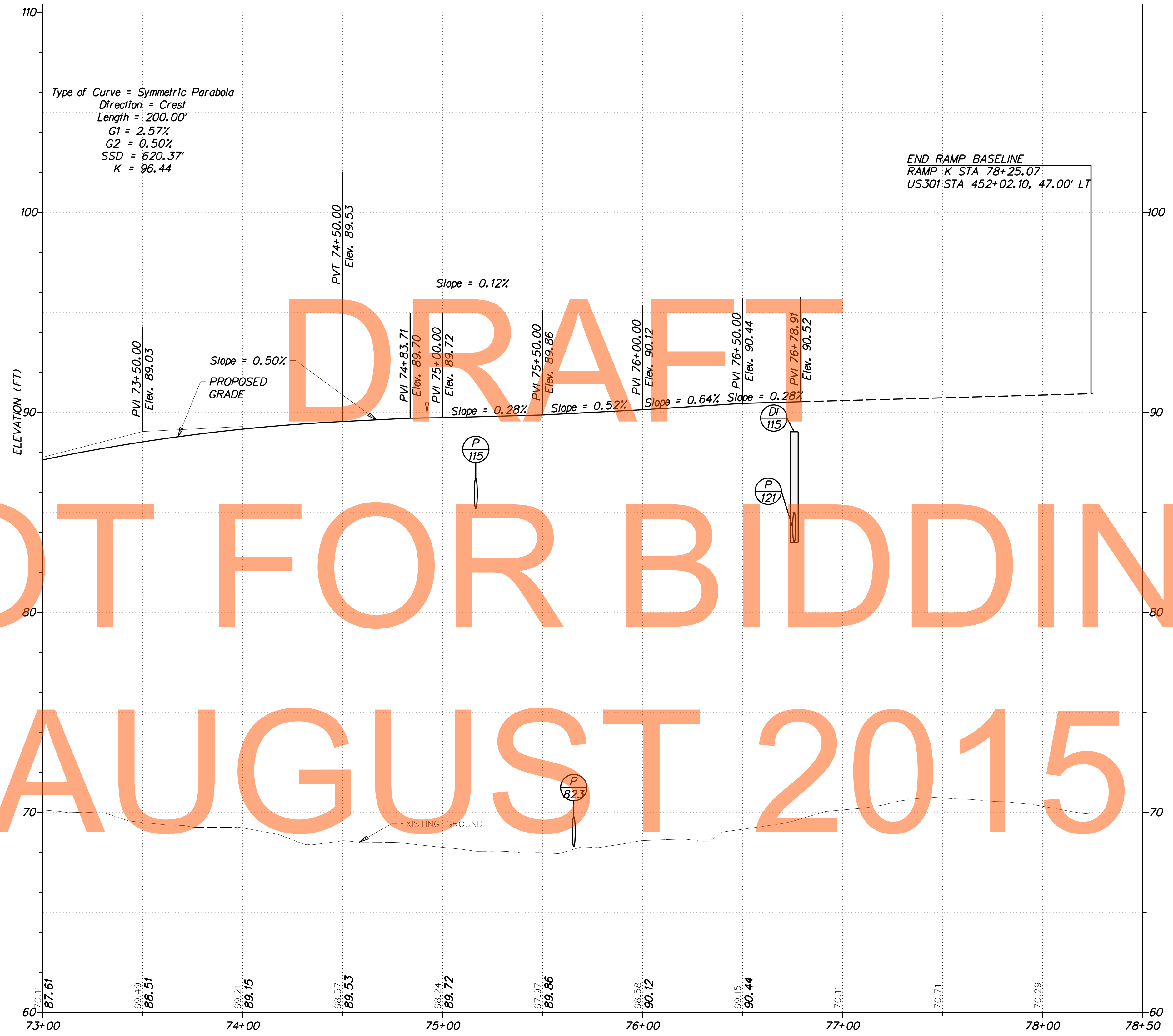
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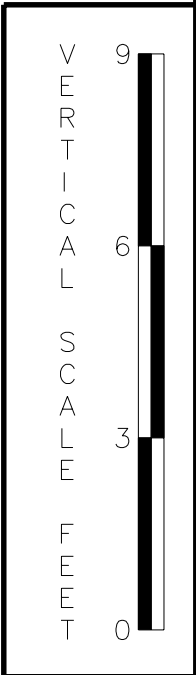
DRAFT

NOT FOR BIDDING

AUGUST 2015



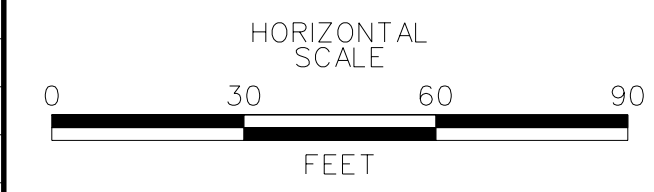
RAMP K



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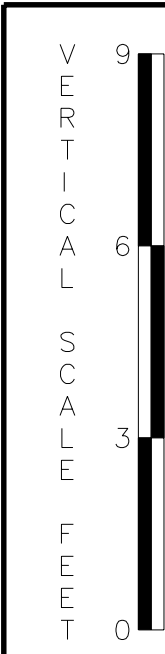
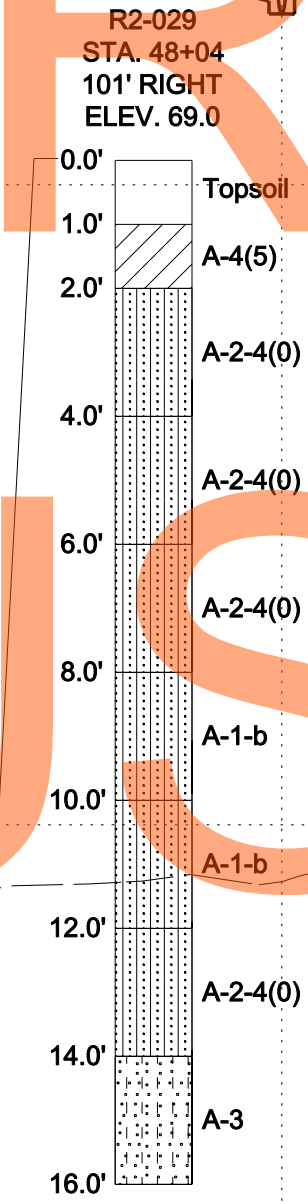
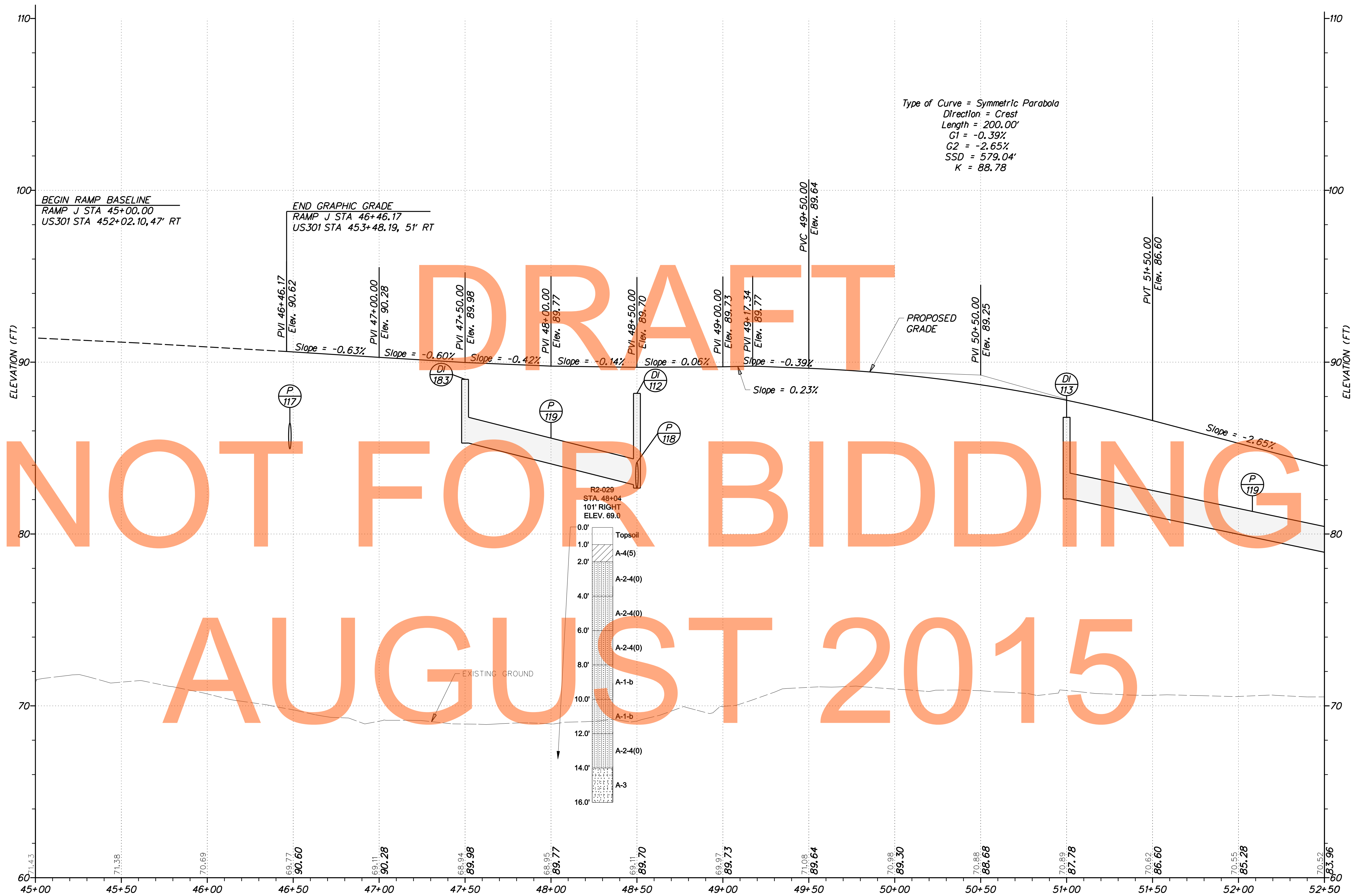
ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T20091303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AM
	CHECKED BY: DRB

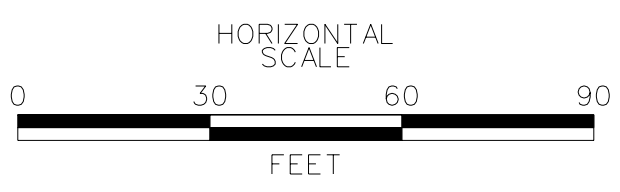
PROFILES
SHEET NO. 179
TOTAL SHTS. 1256



RAMP J



ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T200911303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AM
	CHECKED BY: DRB

PROFILES

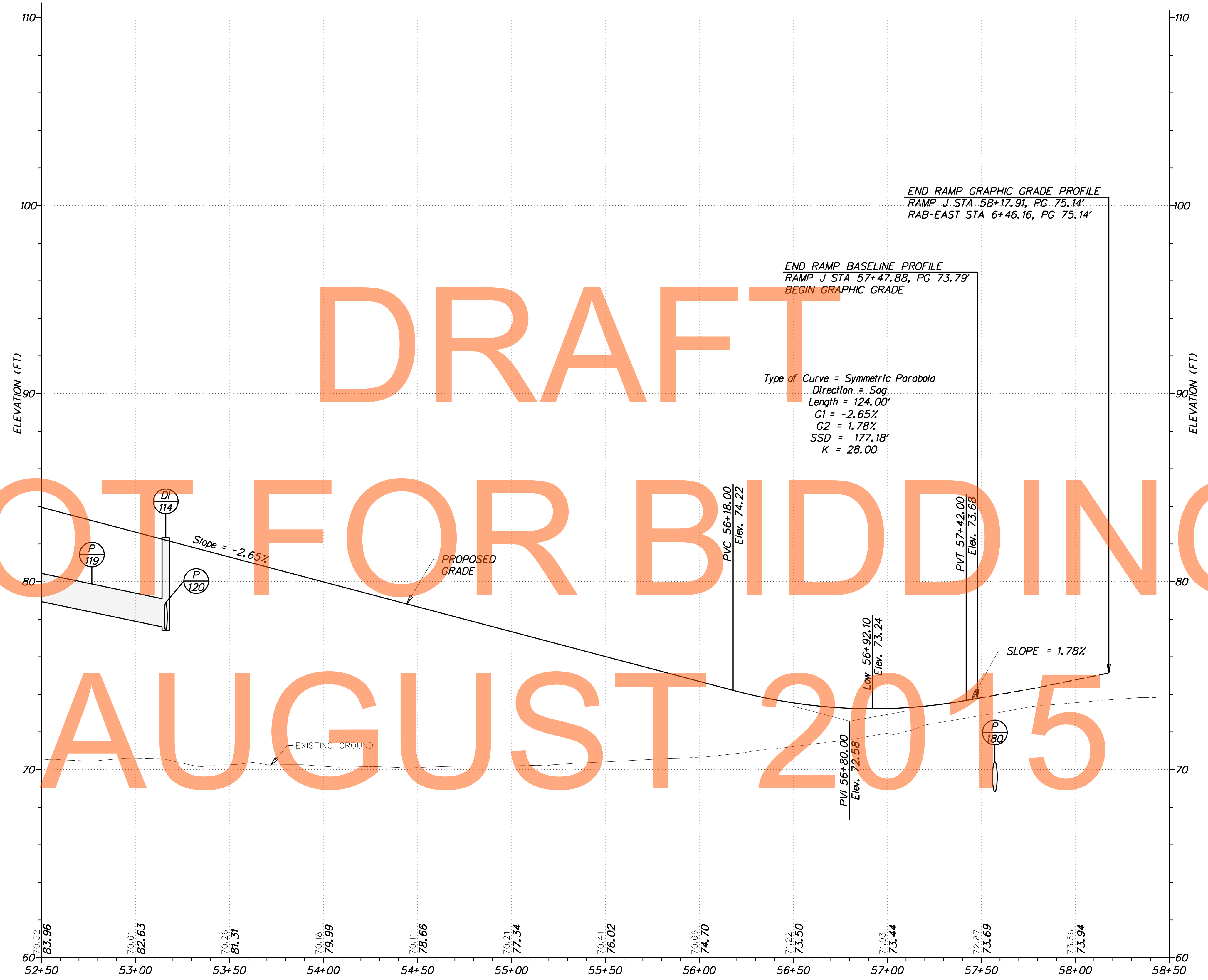
SHEET NO. 180
TOTAL SHTS. 1256

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DRAFT

NOT FOR BIDDING

AUGUST 2015



END RAMP GRAPHIC GRADE PROFILE
 RAMP J STA 58+17.91, PG 75.14'
 RAB-EAST STA 6+46.16, PG 75.14'

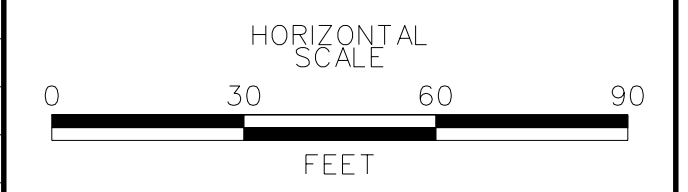
END RAMP BASELINE PROFILE
 RAMP J STA 57+47.88, PG 73.79'
 BEGIN GRAPHIC GRADE

Type of Curve = Symmetric Parabola
 Direction = Sag
 Length = 124.00'
 G1 = -2.65%
 G2 = 1.78%
 SSD = 177.18'
 K = 28.00

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ADDENDUMS / REVISIONS	

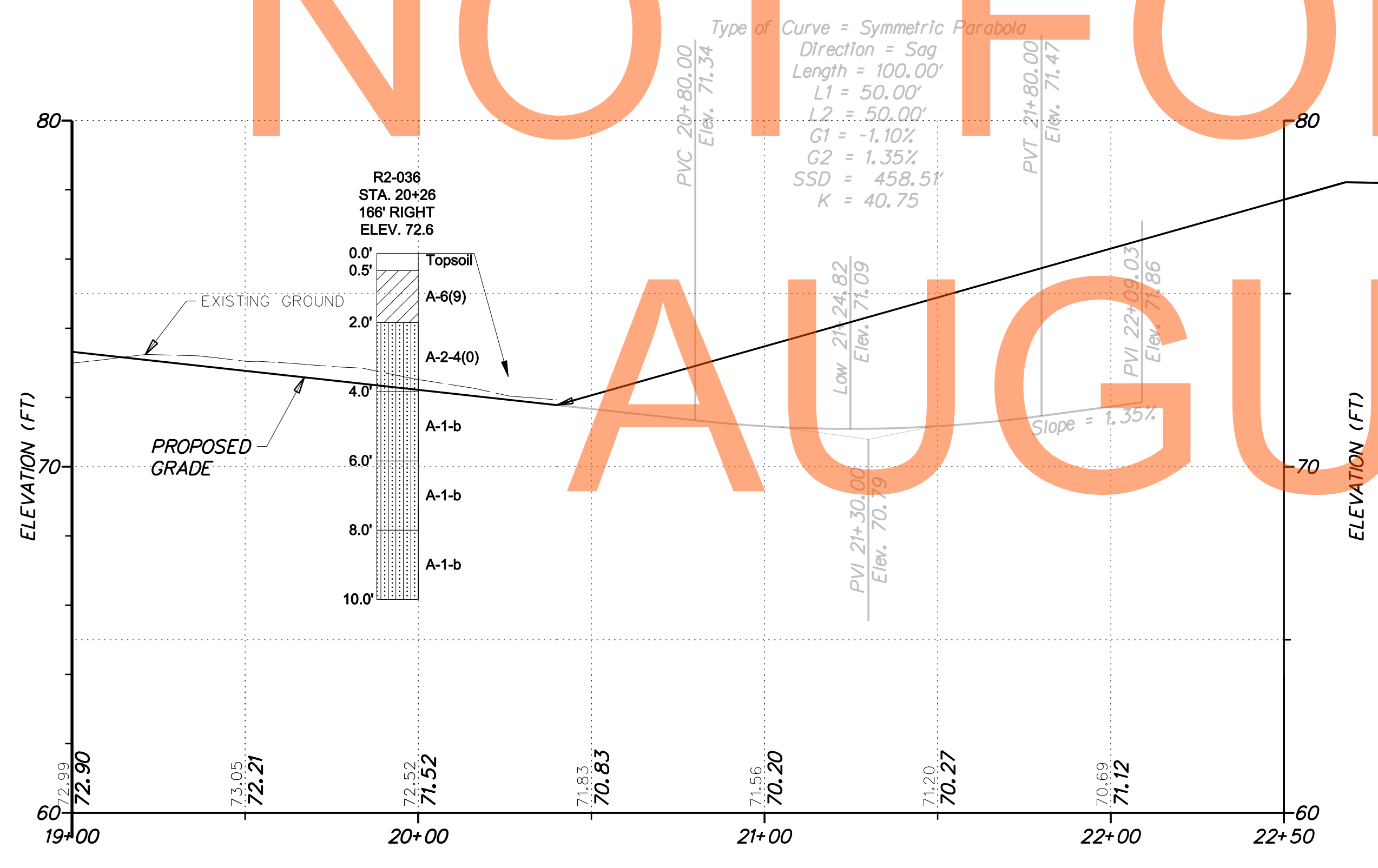
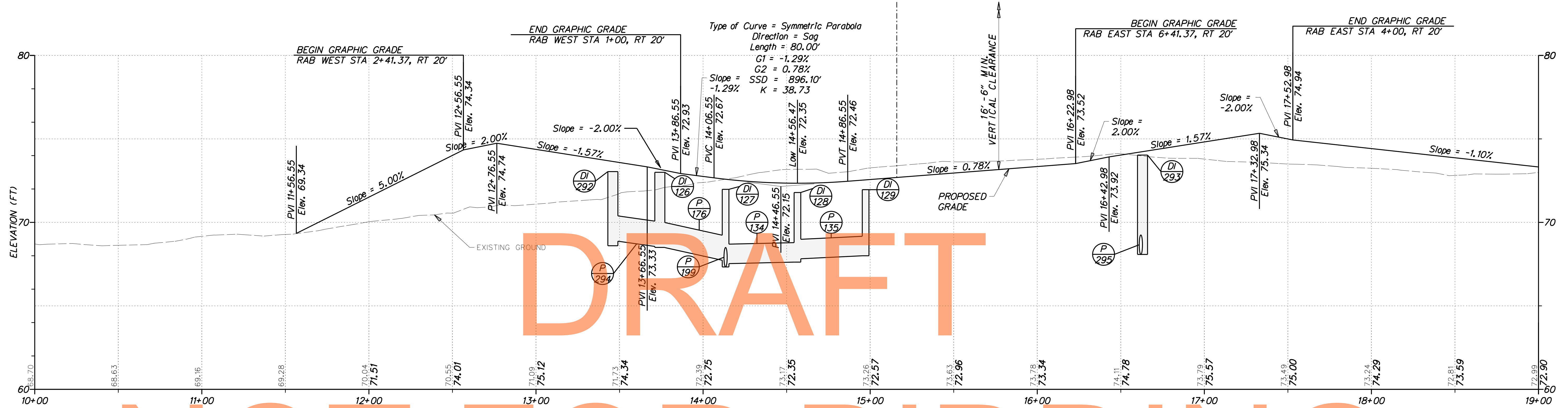


**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9 6 3 0 FEET
PF-49	SHEET NO.
	181
	TOTAL SHTS.
	1256



DRAFT

NOT FOR BIDDING

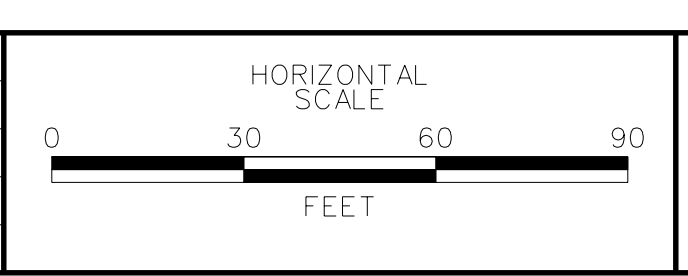
AUGUST 2015

LIMIT OF CONSTRUCTION
CONTRACT T20091303
STATION 20+40.00

CONNECTOR ROAD



ADDENDUMS / REVISIONS



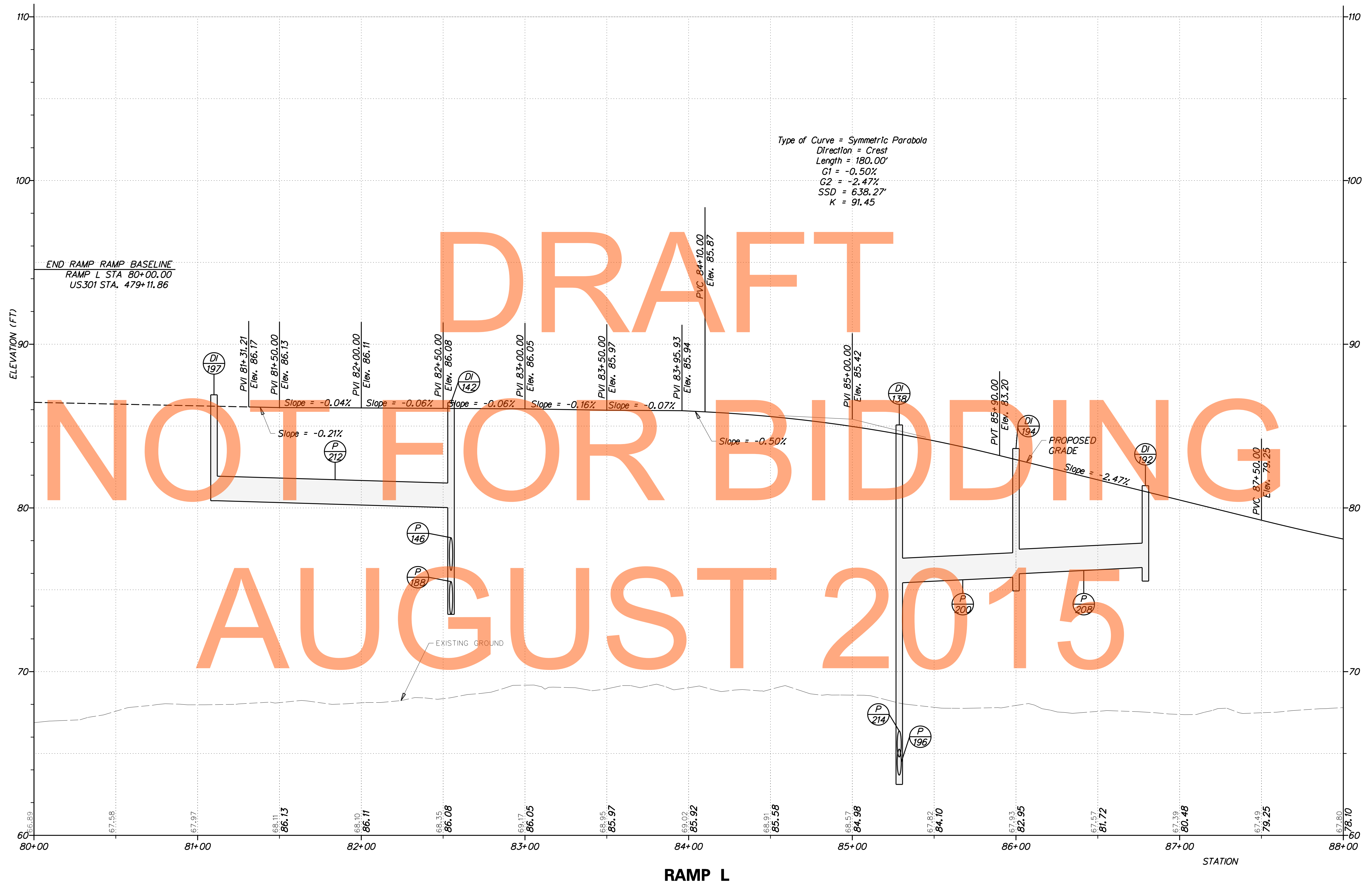
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.	
T20091303	DESIGNED BY:	AM
COUNTY	CHECKED BY:	DRB
NEW CASTLE		

PROFILES

VERTICAL SCALE FEET	9 6 3 0
PF-50	SHEET NO.
	182
	TOTAL SHTS.
	1256

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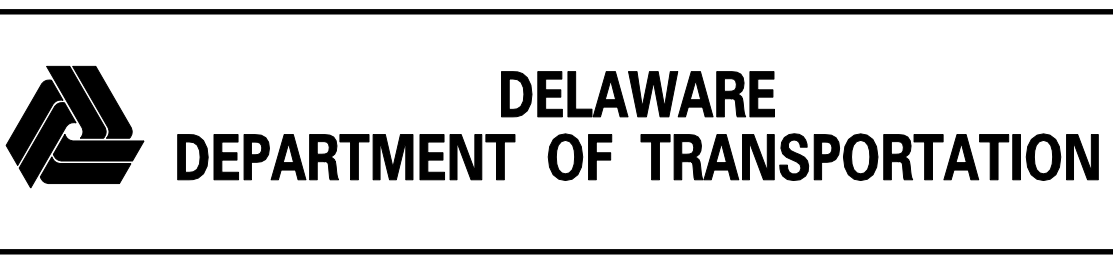
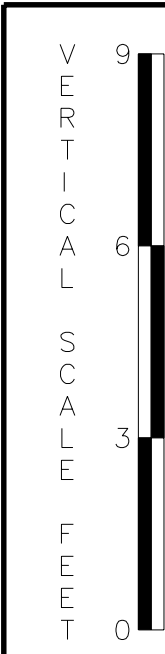


END RAMP RAMP BASELINE
RAMP L STA 80+00.00
US301 STA. 479+11.86

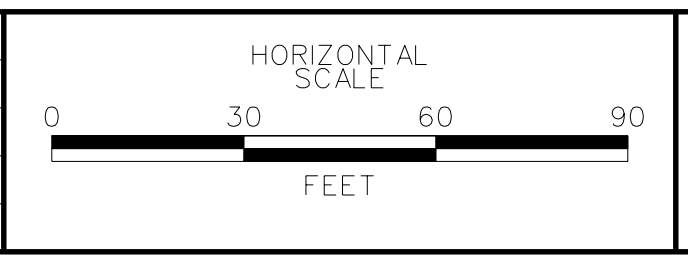
Type of Curve = Symmetric Parabola
Direction = Crest
Length = 180.00'
G1 = -0.50%
G2 = -2.47%
SSD = 638.27'
K = 91.45

DRAFT
NOT FOR BIDDING
AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT T20091303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AM
	CHECKED BY: DRB

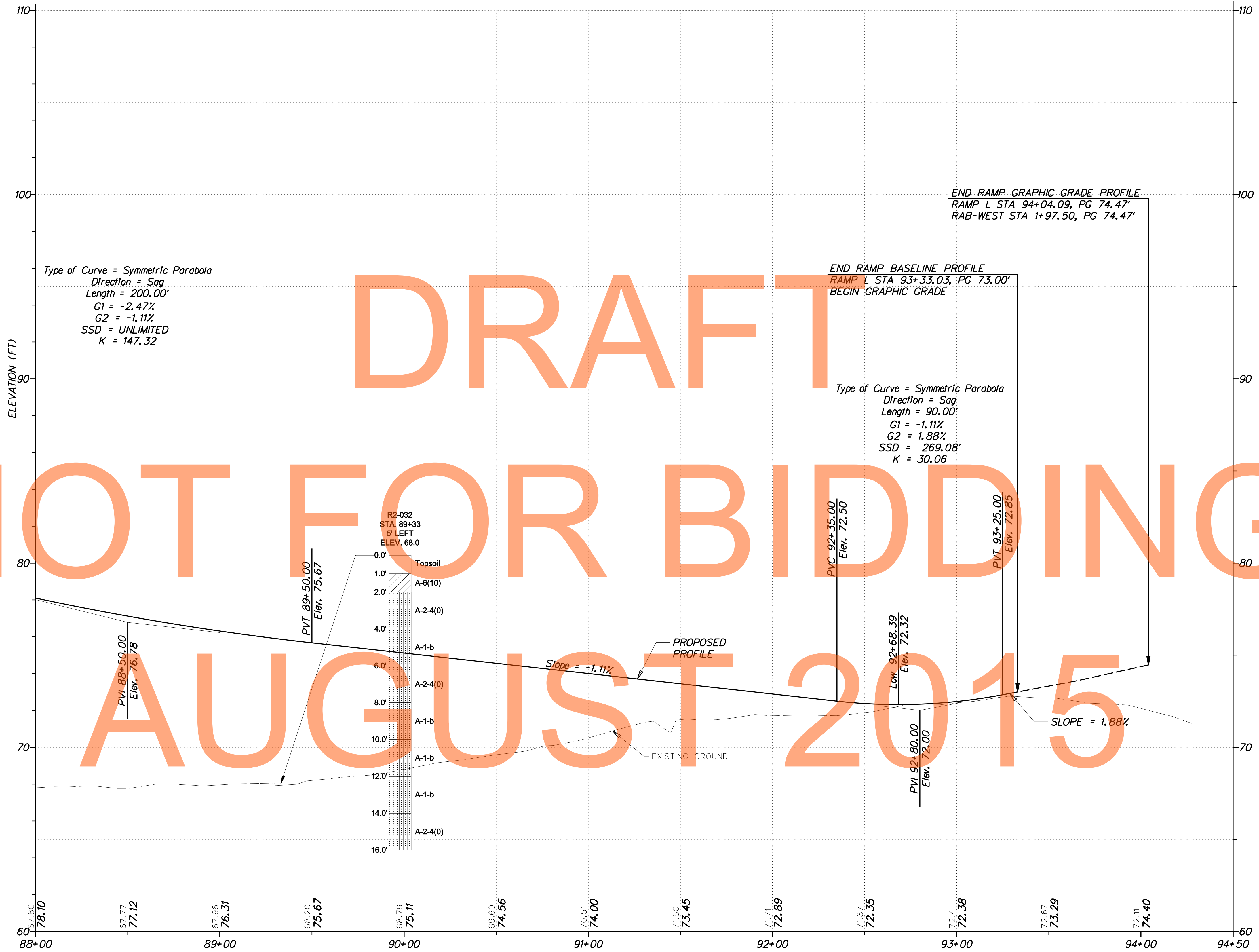
PROFILES

PF-51
SHEET NO. 183
TOTAL SHTS. 1256

DRAFT

NOT FOR BIDDING

AUGUST 2015

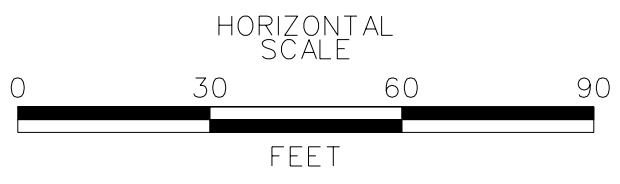


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RAMP L



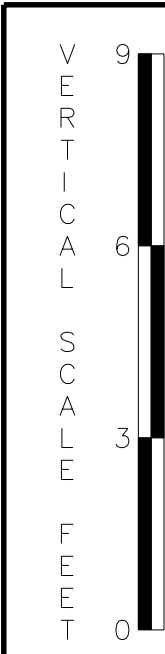
ADDENDUMS / REVISIONS	



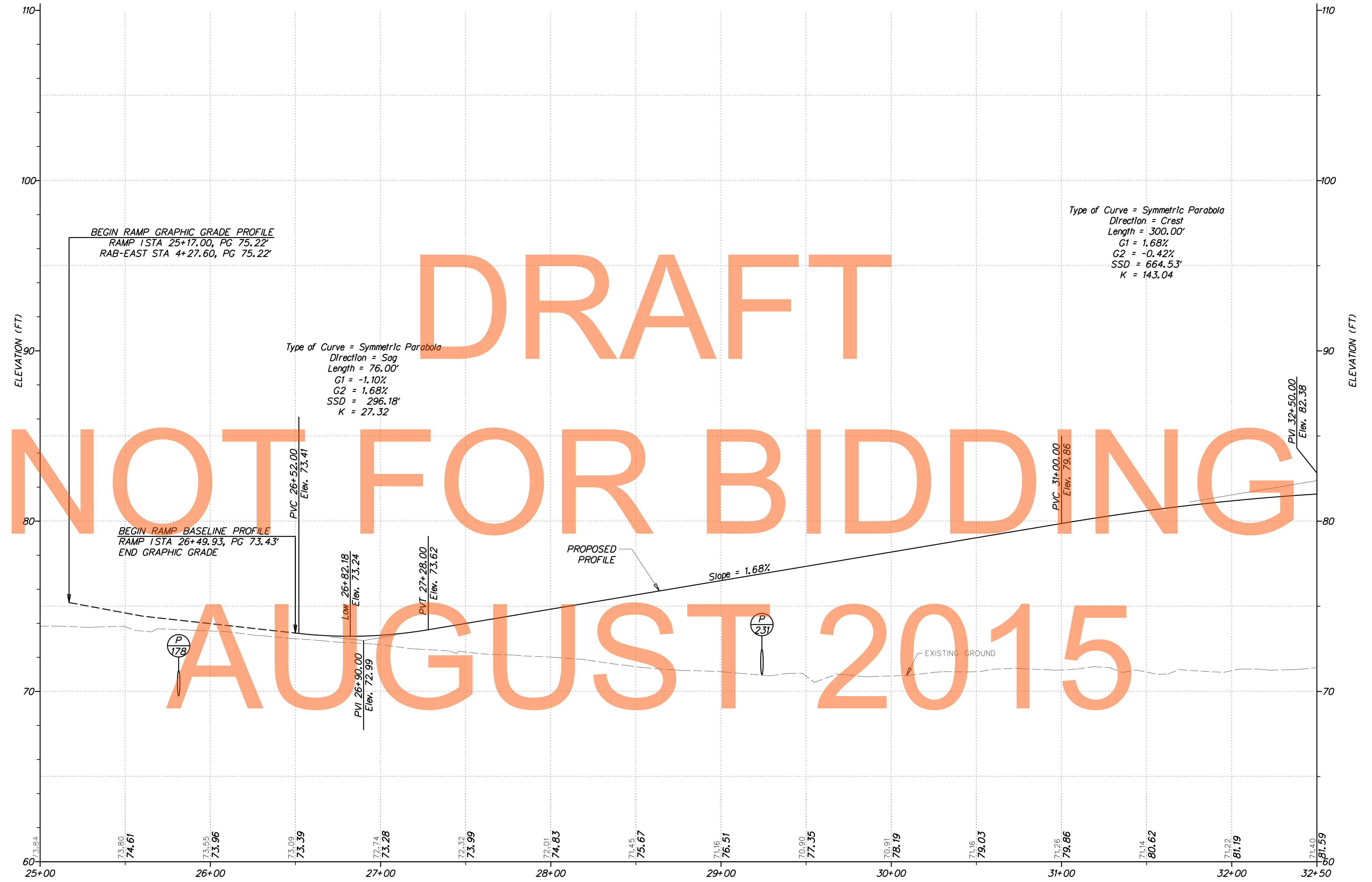
**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES



PF-52
SHEET NO.
184
TOTAL SHTS.
1256



DRAFT

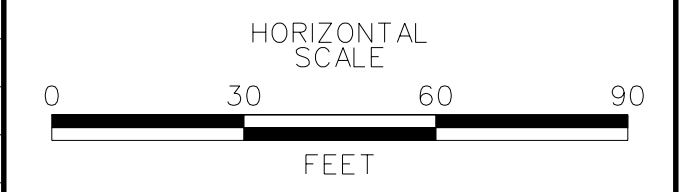
NOT FOR BIDDING

AUGUST 2015

RAMP I



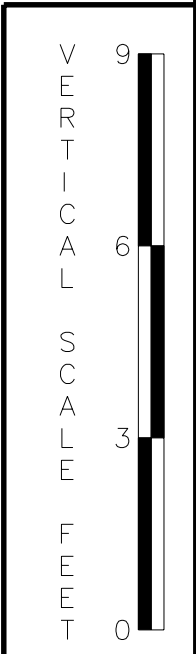
ADDENDUMS / REVISIONS



US 301
 LEVELS ROAD
 TO SUMMIT BRIDGE ROAD

CONTRACT T20091303	BRIDGE NO.
COUNTY NEW CASTLE	DESIGNED BY: AM
	CHECKED BY: DRB

PROFILES



PF-53
SHEET NO. 185
TOTAL SHTS. 1256

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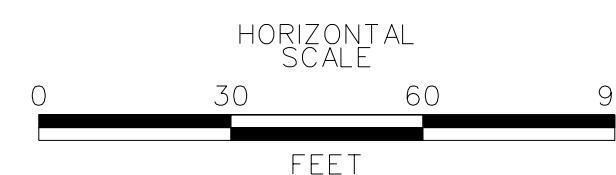


G:\60049040-US301\CIVIL\PLANS\2A\CP\PF-102.DGN

RAMP I



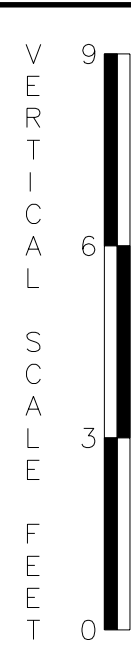
ADDENDUMS / REVISIONS



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES



PF-54
SHEET NO.
186
TOTAL SHTS.
1256



DRAFT

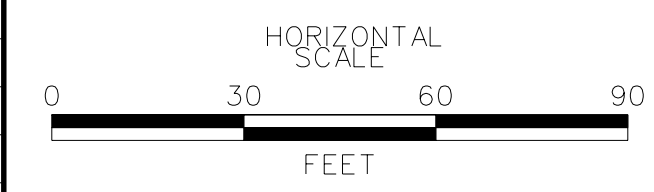
NOT FOR BIDDING

AUGUST 2015

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ADDENDUMS / REVISIONS	



**US 301
LEVELS ROAD
TO SUMMIT BRIDGE ROAD**

CONTRACT	BRIDGE NO.
T20091303	
COUNTY	DESIGNED BY: AM
NEW CASTLE	CHECKED BY: DRB

PROFILES

VERTICAL SCALE	9
FEET	6
FEET	3
FEET	0
PF-55	SHEET NO.
	187
	TOTAL SHTS.
	1256