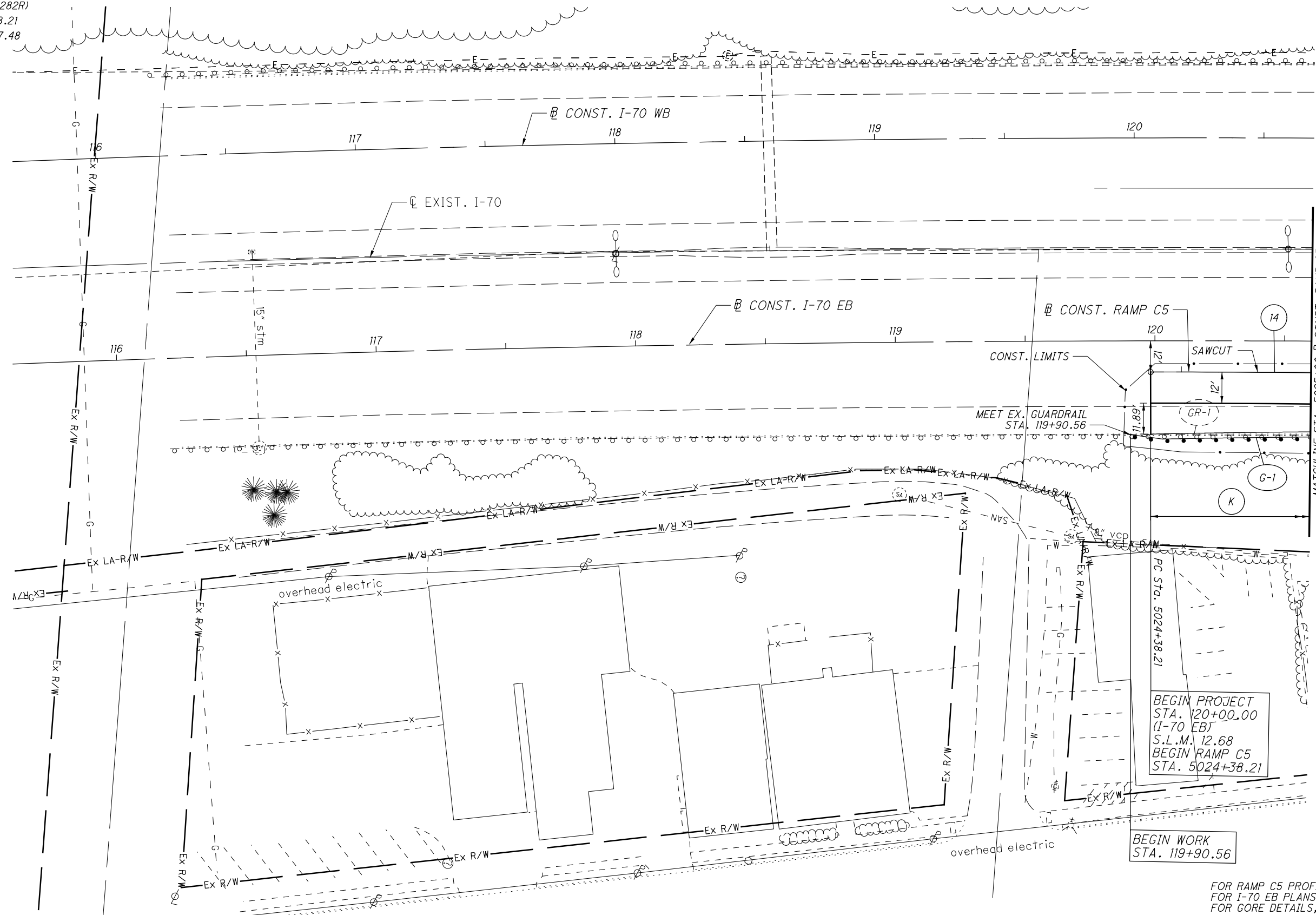


14 @ CONST. RAMP C5
 P.I. Sta. 5029+69.91
 $\Delta = 12^\circ 21' 29''$ (RT)
 $Dc = 1^\circ 10' 00''$
 $R = 4,911.07'$
 $T = 531.70'$
 $L = 1,059.27'$
 $E = 28.70'$
 $C = 1,057.22'$
 $C.B. = N 83^\circ 20' 54'' E$
 $e_{max} = 0.0227$
 (SEE CURVE 34 @ 1282R)
 P.C. Sta. 5024+38.21
 P.T. Sta. 5034+97.48
 D.S. = 50 MPH

TAPER TABLE									
TAPER CODE	BEGINNING STATION		ENDING STATION		SIDE	DESCRIPTION	BEGIN WIDTH	END WIDTH	TAPER RATE
K	5024+38.21	RAMP C5	5025+38.21	RAMP C5	RT	SHOULDER	11.89'	10.00'	53:1



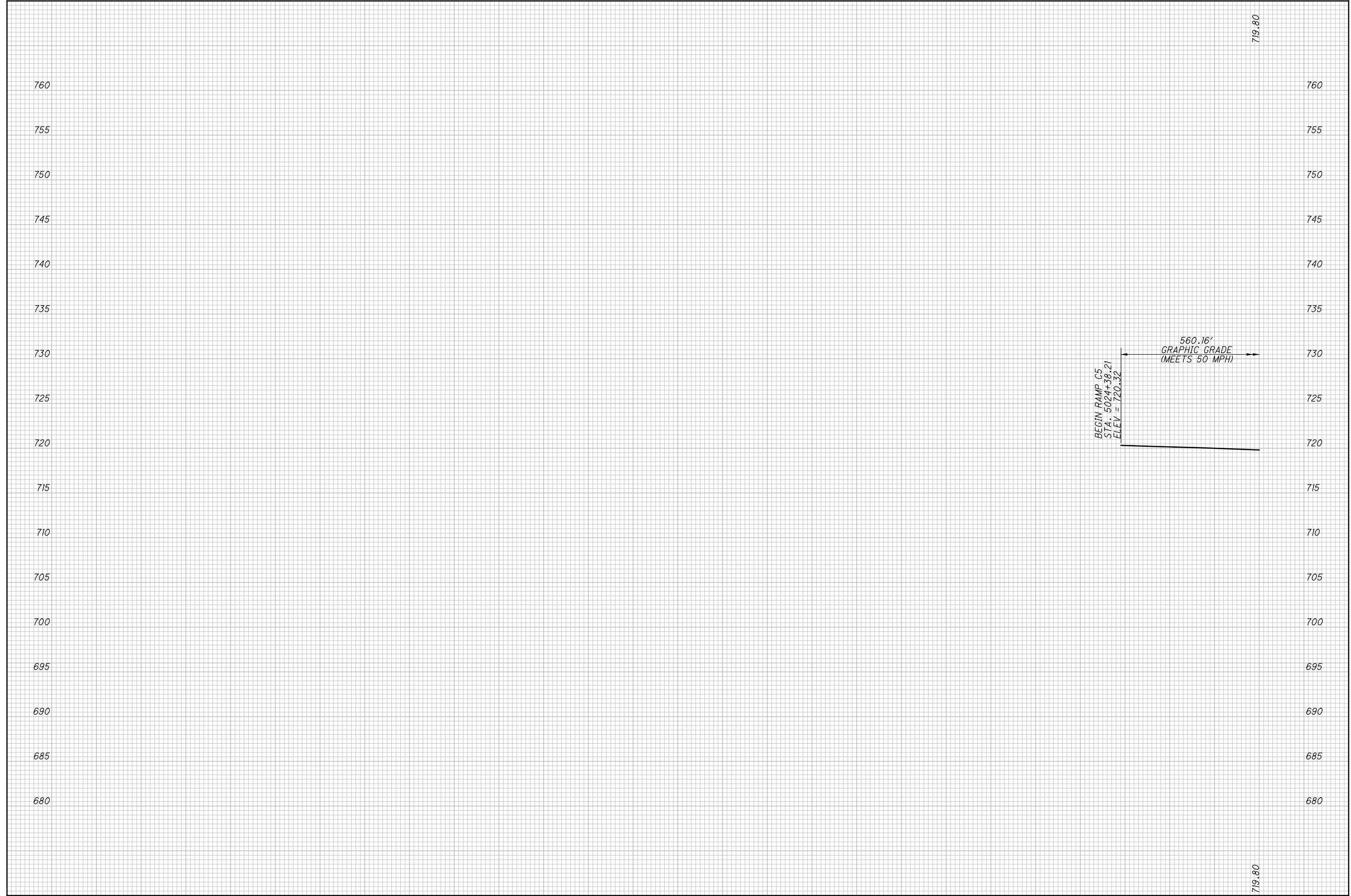
CALCULATED
 CHECKED
PLAN - RAMP C5
BEGIN TO STA. 5025+00.00

FRA-70-12.68
 119
 426

\SARINDA\DATA\2012\201204\FRA77372\ROADWAY\SHEETS\773720P051.DGN
 12/16/2014
 11:40:14 PM
 SMOBSY

FOR RAMP C5 PROFILE, SEE SHEET 120.
 FOR I-70 EB PLANS, SEE SHEET 54 - 85
 FOR GORE DETAILS, SEE SHEET 310 - 320

CALCULATED
CHECKED



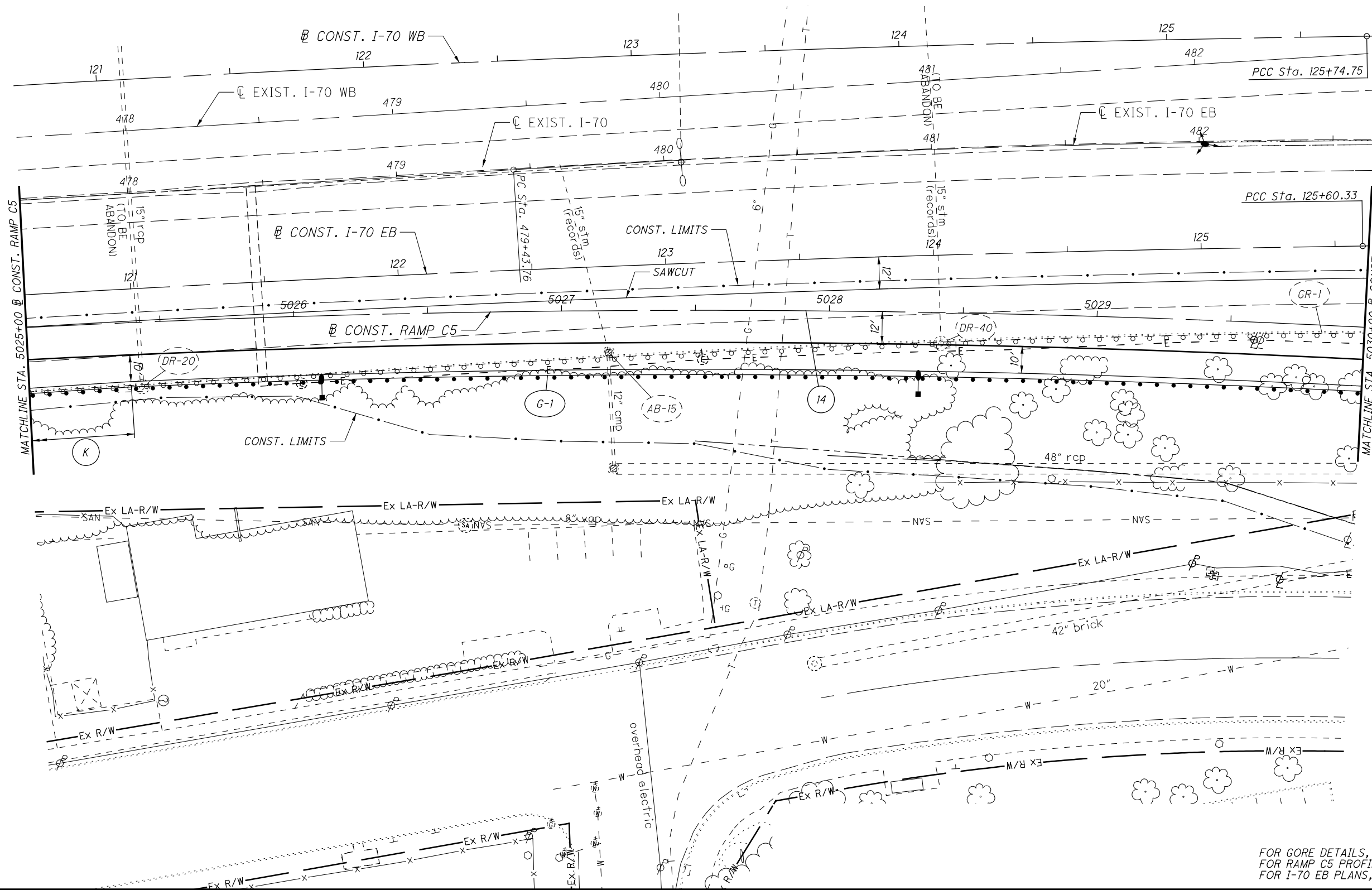
PROFILE - RAMP C5
BEGIN TO STA. 5025+00.00

FRA - 70 - 12.68

120
426

14 **CONST. RAMP C5**
 P.I. Sta. 5029+69.91
 $\Delta = 12^\circ 21' 29''$ (RT)
 $D_c = 1^\circ 10' 00''$
 $R = 4,911.07'$
 $T = 531.70'$
 $L = 1,059.27'$
 $E = 28.70'$
 $C = 1,057.22'$
 C.B. = N $83^\circ 20' 54''$ E
 $e_{max} = 0.0227$
 (SEE CURVE 34 @ 1282R)
 P.C. Sta. 5024+38.21
 P.T. Sta. 5034+97.48
 D.S. = 50 MPH

TAPER TABLE									
TAPER CODE	BEGINNING STATION		ENDING STATION		SIDE	DESCRIPTION	BEGIN WIDTH	END WIDTH	TAPER RATE
K	5024+38.21	RAMP C5	5025+38.21	RAMP C5	RT	SHOULDER	11.89'	10.00'	53:1



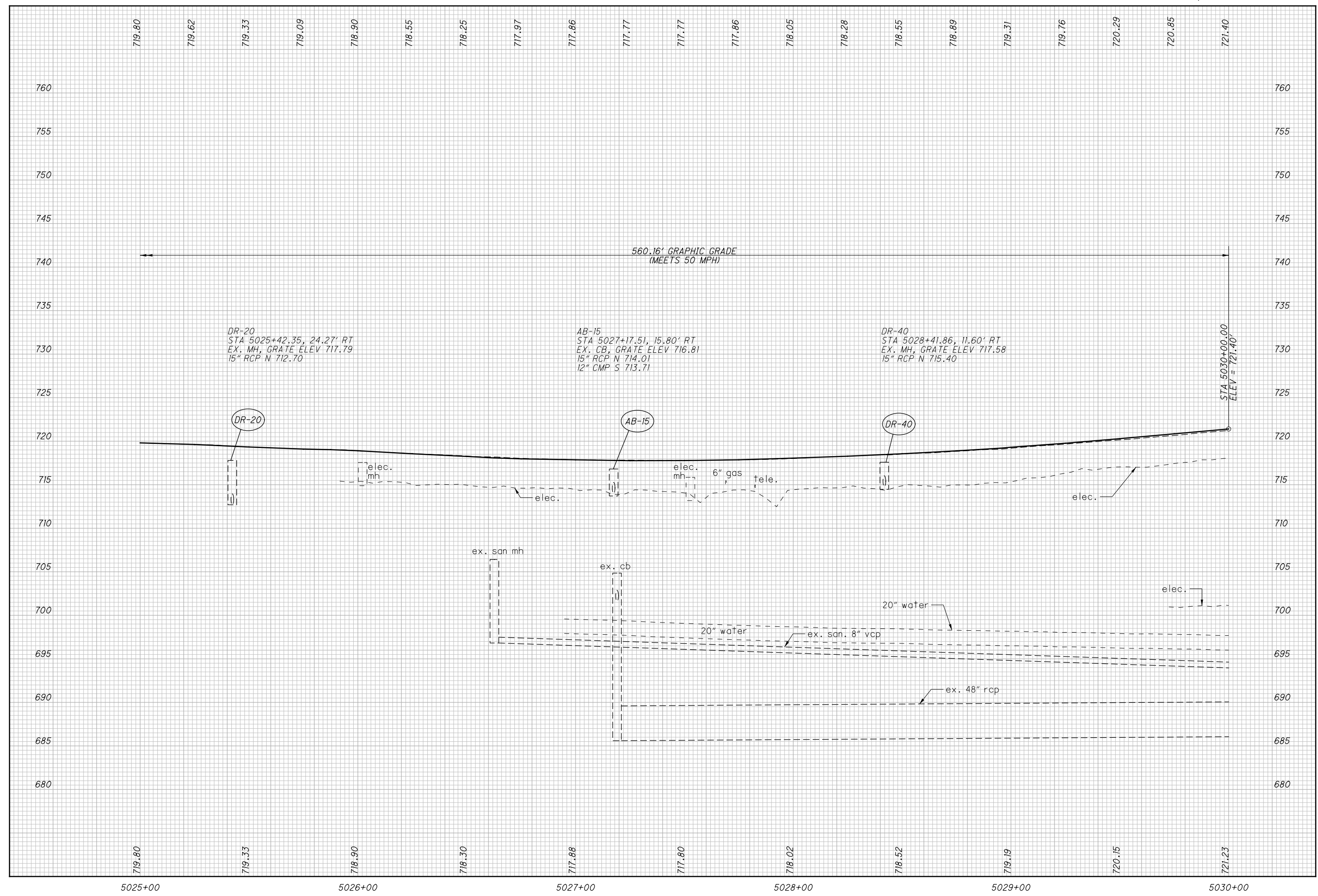
PLAN - RAMP C5
 STA. 5025+00.00 TO STA. 5030+00.00

FRA-70-12.68

121
 426

\NARND\DATA\2012\201204\VFRA77372\ROADWAY\SHETS\773720P052.DGN
 12/16/2014
 11:40:24 PM
 SNCBSY

FOR GORE DETAILS, SEE SHEET 310 -320
 FOR RAMP C5 PROFILE, SEE SHEET 122
 FOR I-70 EB PLANS, SEE SHEET 54-85



CALCULATED
 CHECKED

PROFILE - RAMP C5
STA. 5025+00.00 TO STA. 5030+00.00

FRA - 70 - 12.68

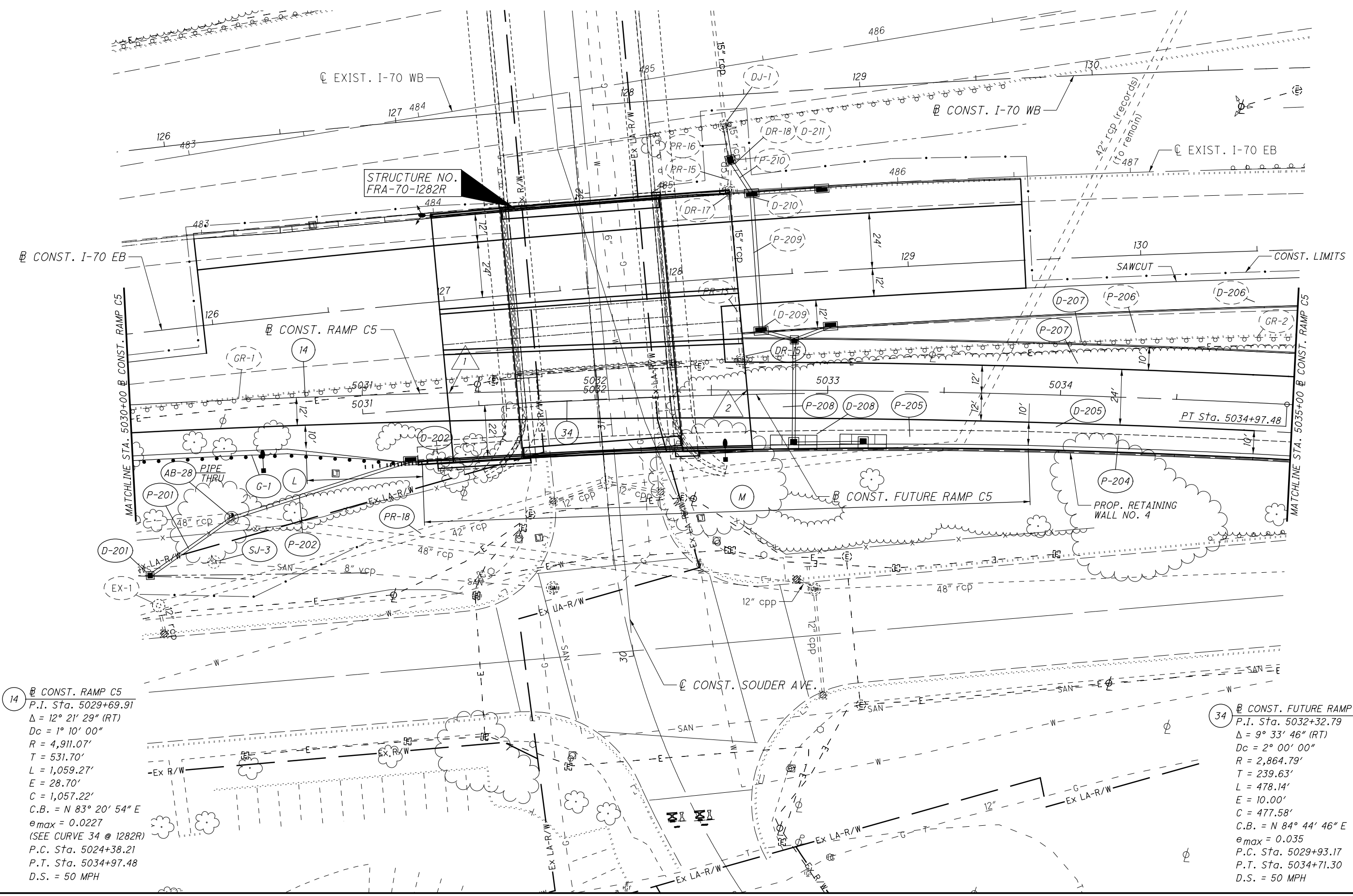
122
 426

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 12/16/2014
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 SMOBY

TAPER TABLE									
TAPER CODE	BEGINNING STATION		ENDING STATION		SIDE	DESCRIPTION	BEGIN WIDTH	END WIDTH	TAPER RATE
L	5030+75.00	RAMP C5	5031+25.00	RAMP C5	RT	SHOULDER	10.00'	16.83'	7:1
N	5033+00.41	RAMP C5	5033+96.43	RAMP C5	RT	SHOULDER	10.94'	6.00'	19:1

- 1 STA. 5031+37.40 (@ CONST. RAMP C5)
STA. 5031+37.70, 6.25' LT.
(@ CONST. FUTURE RAMP C5)
- 2 STA. 5032+65.47 (@ CONST. RAMP C5)
STA. 5032+65.51, 1.9' LT.
(@ CONST. FUTURE RAMP C5)

FOR RAMP C5 PROFILE, SEE SHEET 123
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR GORE DETAILS, SEE SHEET 310-320
 FOR STRUCTURE PLANS, SEE STRUCTURE TYPE STUDY REPORTS
 FOR FUTURE RAMP C5 (@ FRA-70-1282R) PLAN AND PROFILE, SEE SHEET 125
 FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORTS
 FOR PIPE PROFILES, SEE SHEET 124, 248, 249



14 @ CONST. RAMP C5
 P.I. Sta. 5029+69.91
 $\Delta = 12^\circ 21' 29''$ (RT)
 $D_c = 1^\circ 10' 00''$
 $R = 4,911.07'$
 $T = 531.70'$
 $L = 1,059.27'$
 $E = 28.70'$
 $C = 1,057.22'$
 C.B. = N $83^\circ 20' 54''$ E
 $e_{max} = 0.0227$
 (SEE CURVE 34 @ 1282R)
 P.C. Sta. 5024+38.21
 P.T. Sta. 5034+97.48
 D.S. = 50 MPH

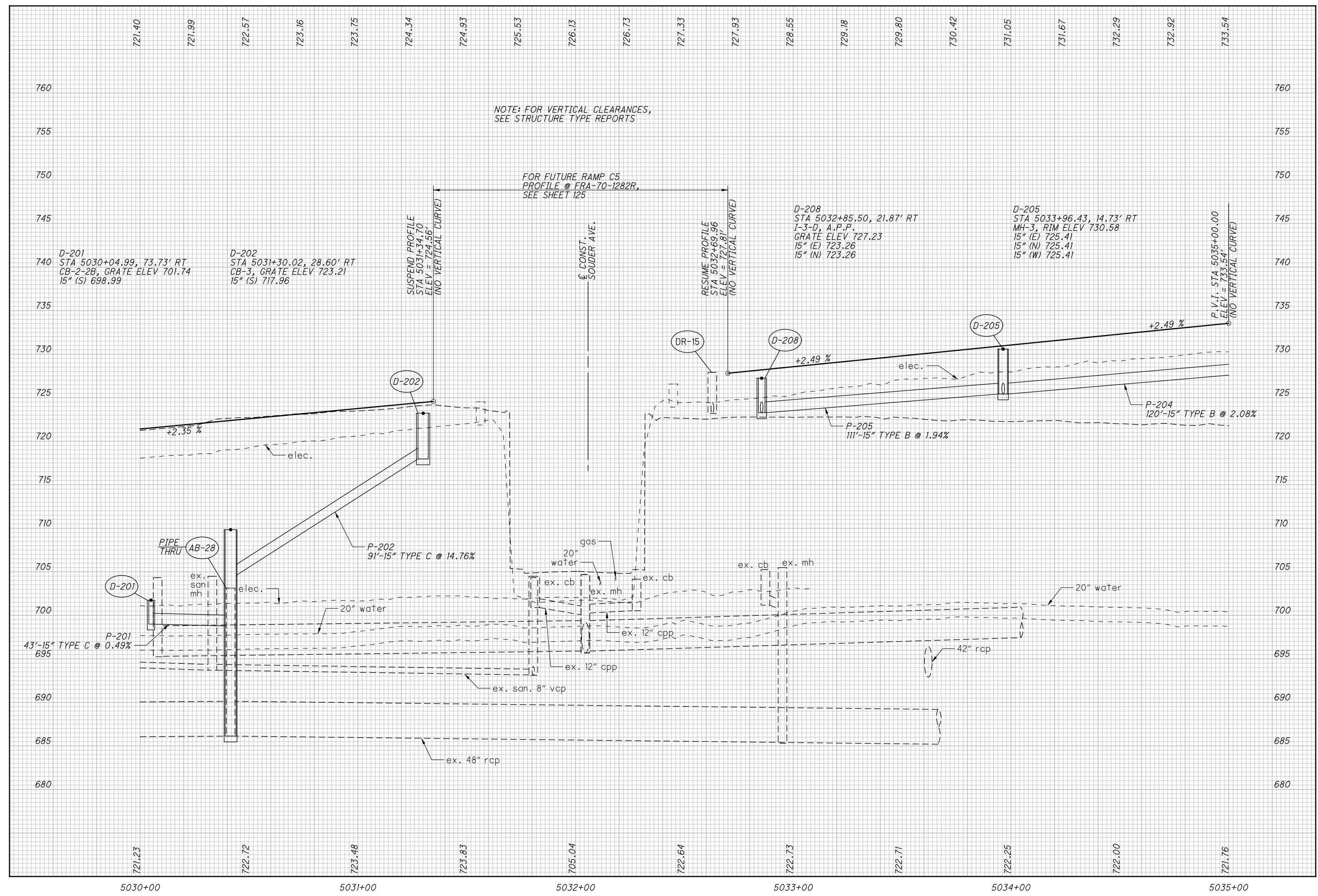
34 @ CONST. FUTURE RAMP C5 (1282)
 P.I. Sta. 5032+32.79
 $\Delta = 9^\circ 33' 46''$ (RT)
 $D_c = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 239.63'$
 $L = 478.14'$
 $E = 10.00'$
 $C = 477.58'$
 C.B. = N $84^\circ 44' 46''$ E
 $e_{max} = 0.035$
 P.C. Sta. 5029+93.17
 P.T. Sta. 5034+71.30
 D.S. = 50 MPH

PLAN - RAMP C5
 STA. 5030+00.00 TO STA. 5035+00.00

FRA-70-12.68

123
426

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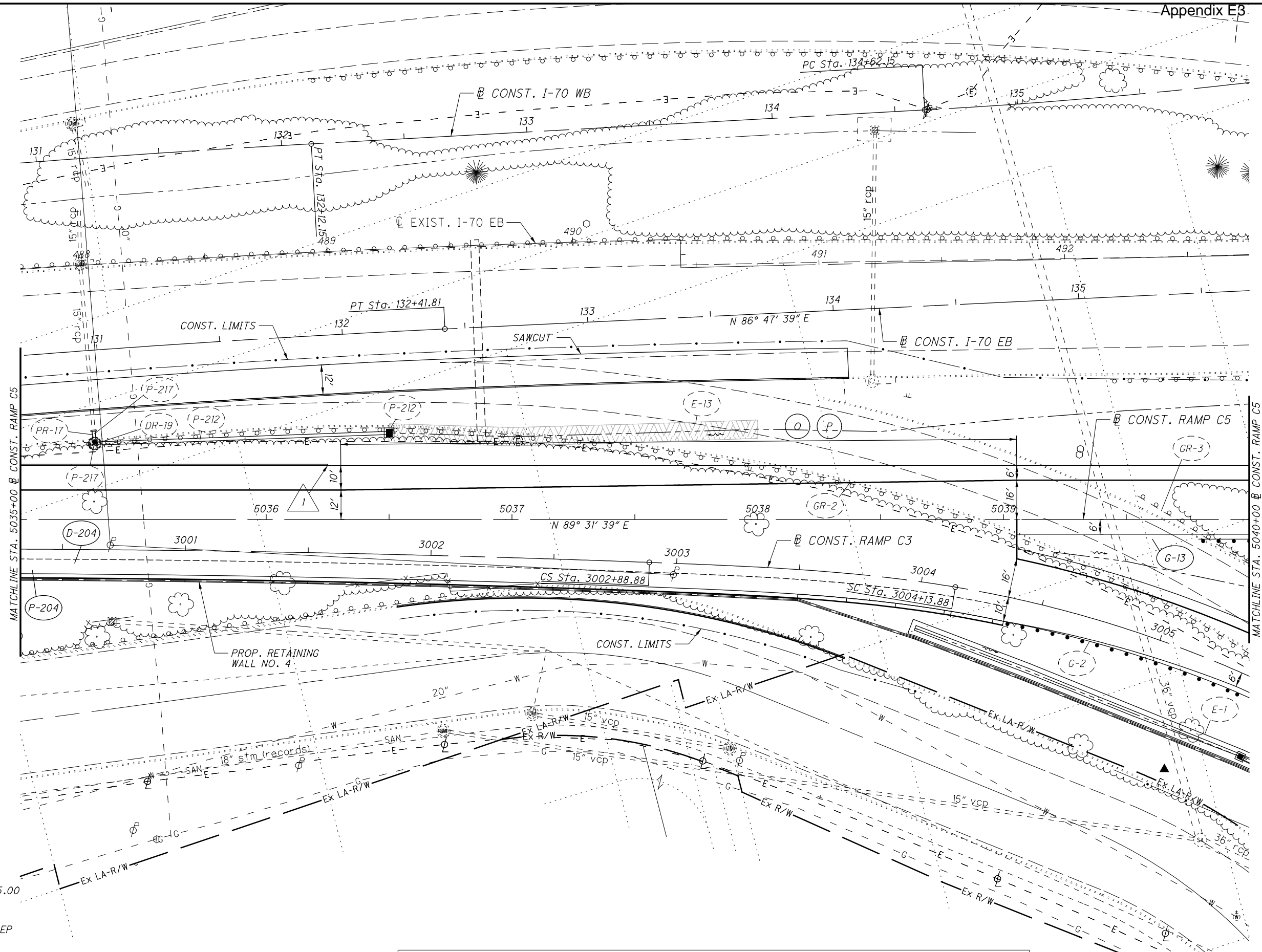
CALCULATED
 CHECKED

PROFILE - RAMP C5
 STA. 5030+00.00 TO STA. 5035+00.00

FRA-70-12.68

124
 426

\\ARKINGA\DATA\2012\012048\FRA\7372\ROADWAY\ SHEETS\73726F853.DGN
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1 END CURB LT.
STA. 5036+25.00

ITEM 670 - DEP

FOR PIPE PROFILES, SEE SHEET 124, 250
 FOR RAMP C5 PROFILE, SEE SHEET 127
 FOR RAMP C3 PLANS, SEE SHEET 113 - 118
 FOR I-70 EB PLANS, SEE SHEET 54 - 85
 FOR GORE DETAILS, SEE SHEET 310 - 320
 FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORTS

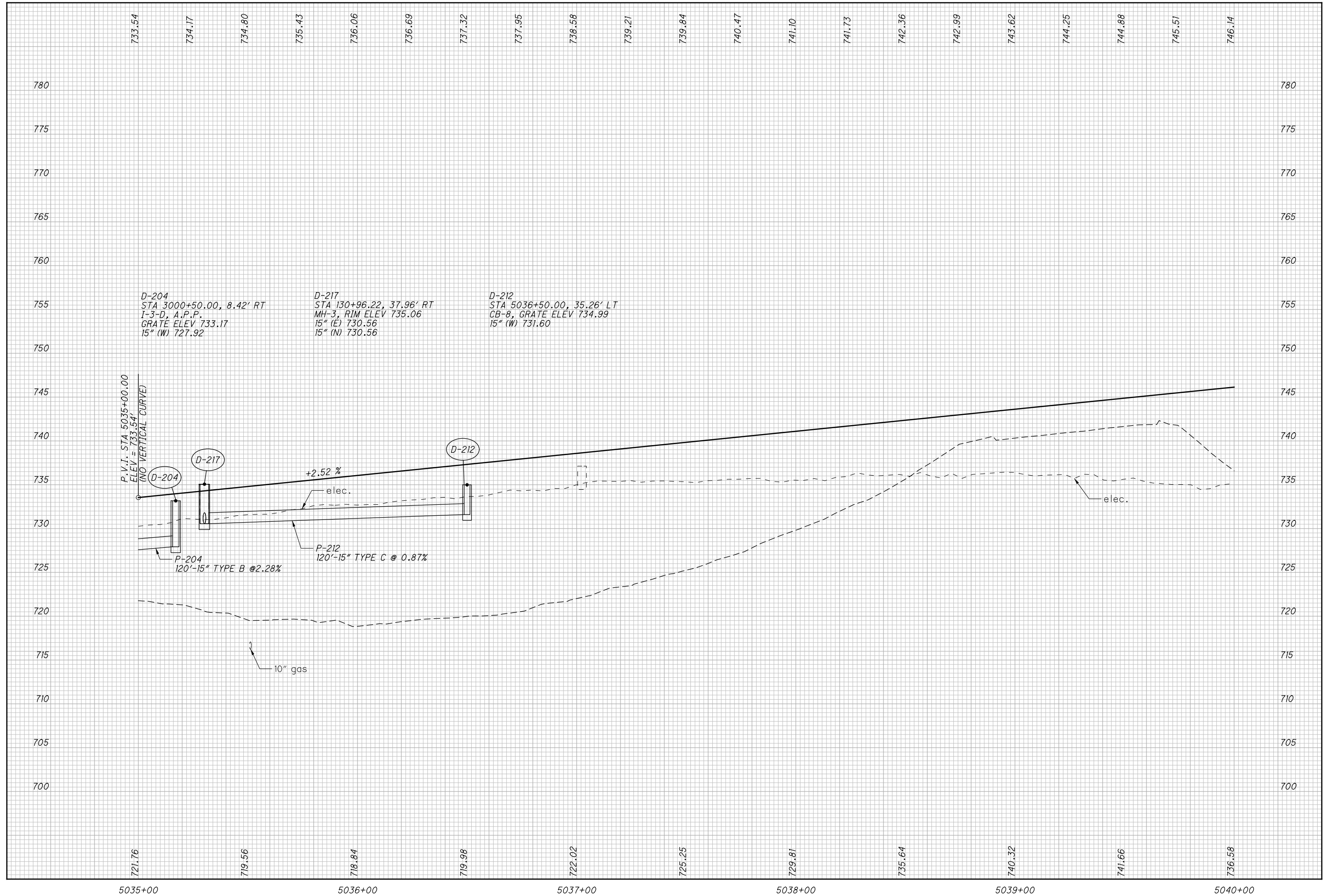
TAPER TABLE							
TAPER CODE	BEGINNING STATION	ENDING STATION	SIDE	DESCRIPTION	BEGIN WIDTH	END WIDTH	TAPER RATE
O	5036+30.43	RAMP C5	5039+05.43	RAMP C5	LT	SHOULDER	10.00' 6.00' 69:1
P	5036+30.43	RAMP C5	5039+05.43	RAMP C5	LT	PAVEMENT	12.00' 16.00' 69:1

PLAN - RAMP C5
 STA. 5035+00.00 TO STA. 5040+00.00

FRA-70-12.68

126
426

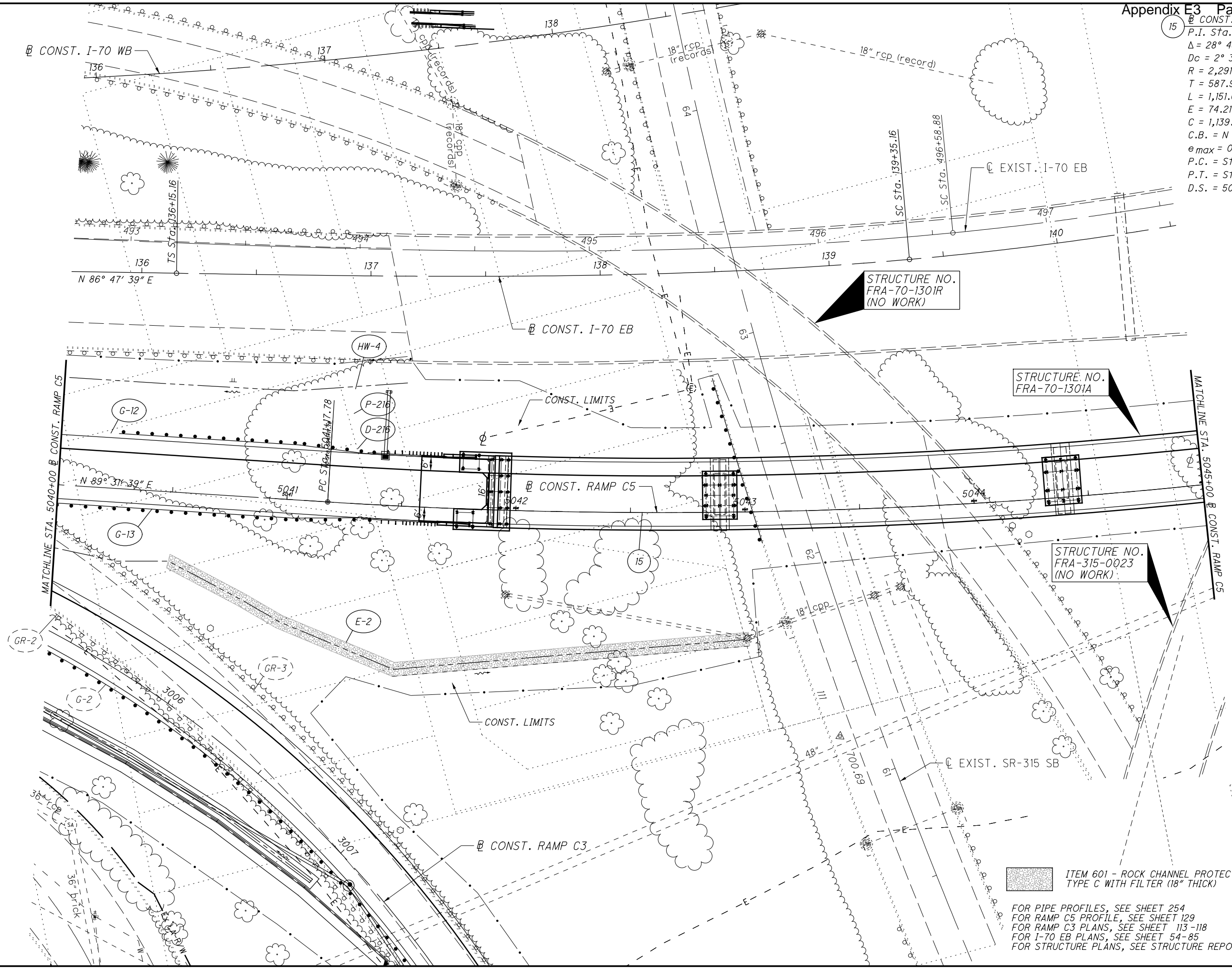
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CALCULATED CHECKED	PROFILE - RAMP C5 STA. 5035+00.00 TO STA. 5040+00.00
FRA - 70 - 12.68	127 426

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15
 CONST. RAMP C5
 P.I. Sta. 5047+05.72
 $\Delta = 28^\circ 46' 35''$ (LT)
 $D_c = 2^\circ 30' 00''$
 $R = 2,291.83'$
 $T = 587.94'$
 $L = 1,151.06'$
 $E = 74.21'$
 $C = 1,139.00'$
 $C.B. = N 75^\circ 08' 21'' E$
 $e_{max} = 0.04$
 $P.C. = Sta. 5041+17.78$
 $P.T. = Sta. 5052+68.84$
 $D.S. = 50 MPH$



STRUCTURE NO.
 FRA-70-1301R
 (NO WORK)

STRUCTURE NO.
 FRA-70-1301A

STRUCTURE NO.
 FRA-315-0023
 (NO WORK)

ITEM 601 - ROCK CHANNEL PROTECTION
 TYPE C WITH FILTER (18" THICK)

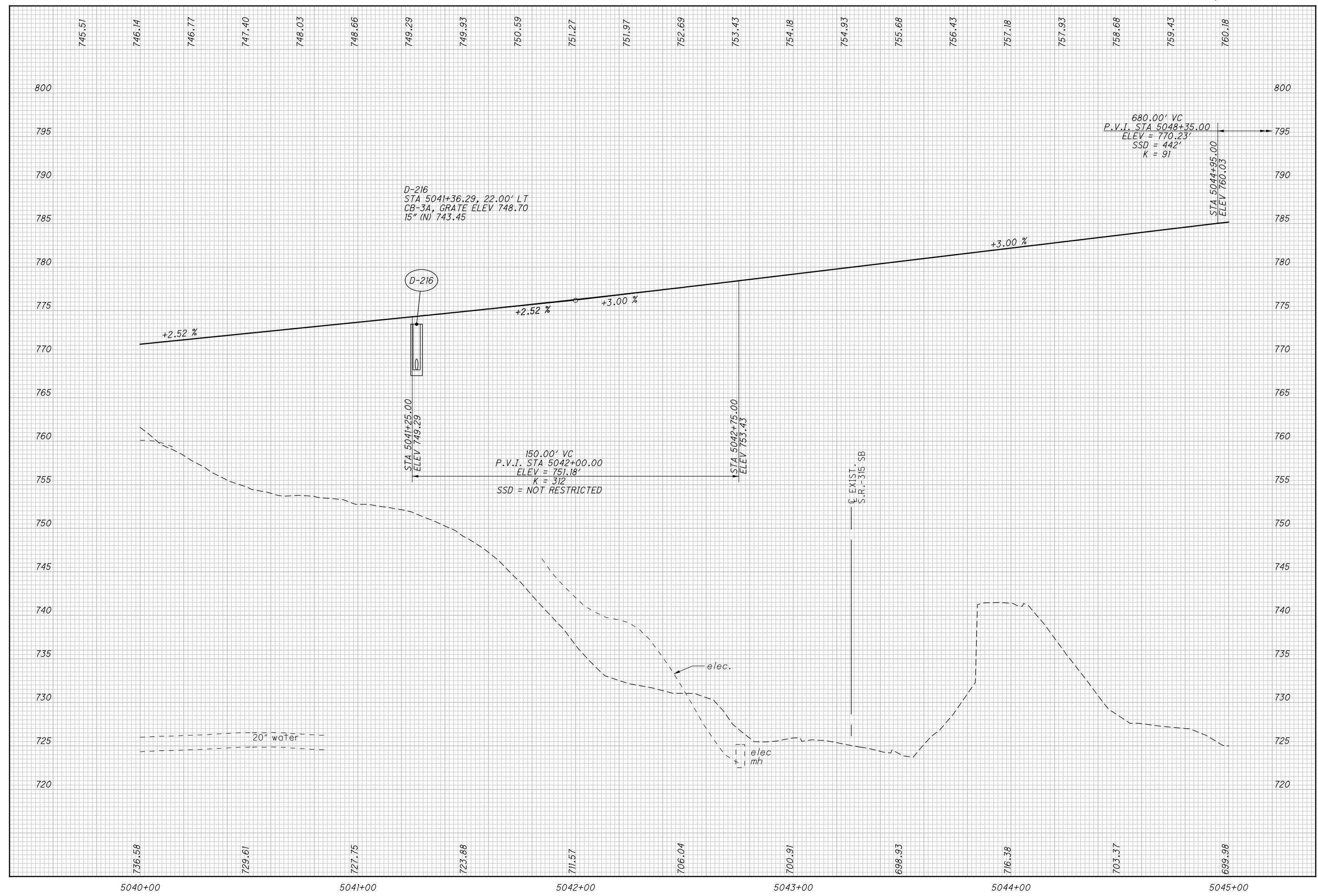
FOR PIPE PROFILES, SEE SHEET 254
 FOR RAMP C5 PROFILE, SEE SHEET 129
 FOR RAMP C3 PLANS, SEE SHEET 113-118
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS

PLAN - RAMP C5
 STA. 5040+00.00 TO STA. 5045+00.00

FRA-70-12.68

128
 426

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 12/16/2014
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CALCULATED
CHECKED

PROFILE - RAMP C5
STA. 5040+00.00 TO STA. 5045+00.00

FRA - 70 - 12.68

129
426

FOR RAMP C5 PROFILE, SEE SHEET 131
 FOR RAMP A5 PLANS, SEE SHEET 100-107
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR I-71 NB PLANS, SEE SHEET 88-99
 FOR DRIVE DETAILS, SEE SHEET 323-324
 FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS

ITEM 670 - DEP MAT, TYPE A

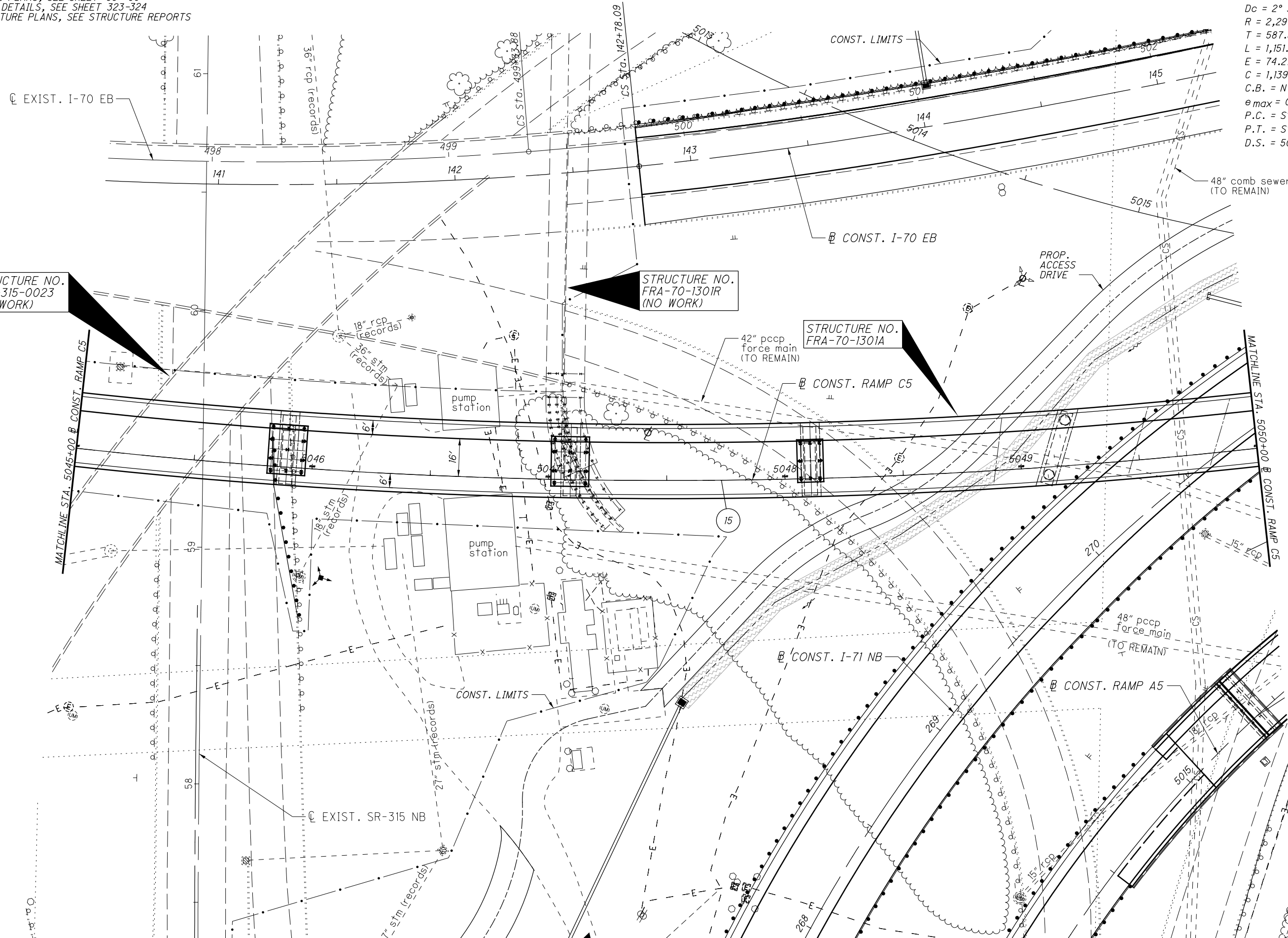
15 CONST. RAMP C5
 P.I. Sta. 5047+05.72
 $\Delta = 28^\circ 46' 35''$ (LT)
 $D_c = 2^\circ 30' 00''$
 $R = 2,291.83'$
 $T = 587.94'$
 $L = 1,151.06'$
 $E = 74.21'$
 $C = 1,139.00'$
 $C.B. = N 75^\circ 08' 21'' E$
 $e_{max} = 0.04$
 P.C. = Sta. 5041+17.78
 P.T. = Sta. 5052+68.84
 D.S. = 50 MPH



STRUCTURE NO. FRA-315-0023 (NO WORK)

STRUCTURE NO. FRA-70-1301R (NO WORK)

STRUCTURE NO. FRA-70-1301A



PLAN - RAMP C5
 STA. 5045+00.00 TO STA. 5050+00.00

FRA-70-12.68

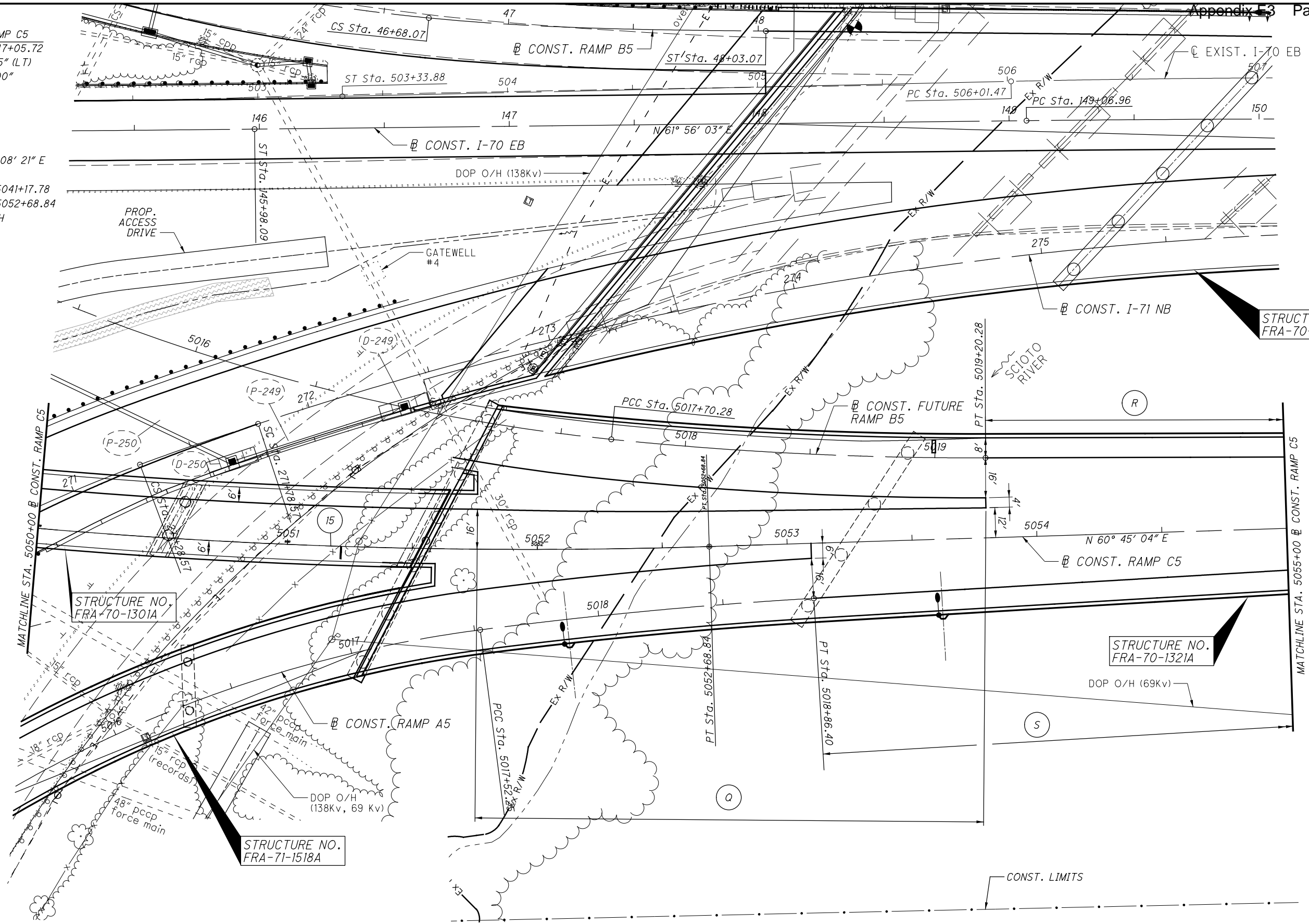
130
426

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CALCULATED
CHECKED

0 10 20 40
HORIZONTAL
SCALE IN FEET

15
 CONST. RAMP C5
 P.I. Sta. 5047+05.72
 $\Delta = 28^\circ 46' 35" (LT)$
 $D_c = 2^\circ 30' 00"$
 $R = 2,291.83'$
 $T = 587.94'$
 $L = 1,151.06'$
 $E = 74.21'$
 $C = 1,139.00'$
 $C.B. = N 75^\circ 08' 21" E$
 $e_{max} = 0.04$
 $P.C. = Sta. 5041+17.78$
 $P.T. = Sta. 5052+68.84$
 $D.S. = 50 MPH$



STRUCTURE NO.
FRA-70-1301A

STRUCTURE NO.
FRA-70-1518A

STRUCTURE NO.
FRA-70-1321A

STRUCTURE NO.
FRA-70-1321R

ITEM 670 - DEP MAT, TYPE A

TAPER TABLE

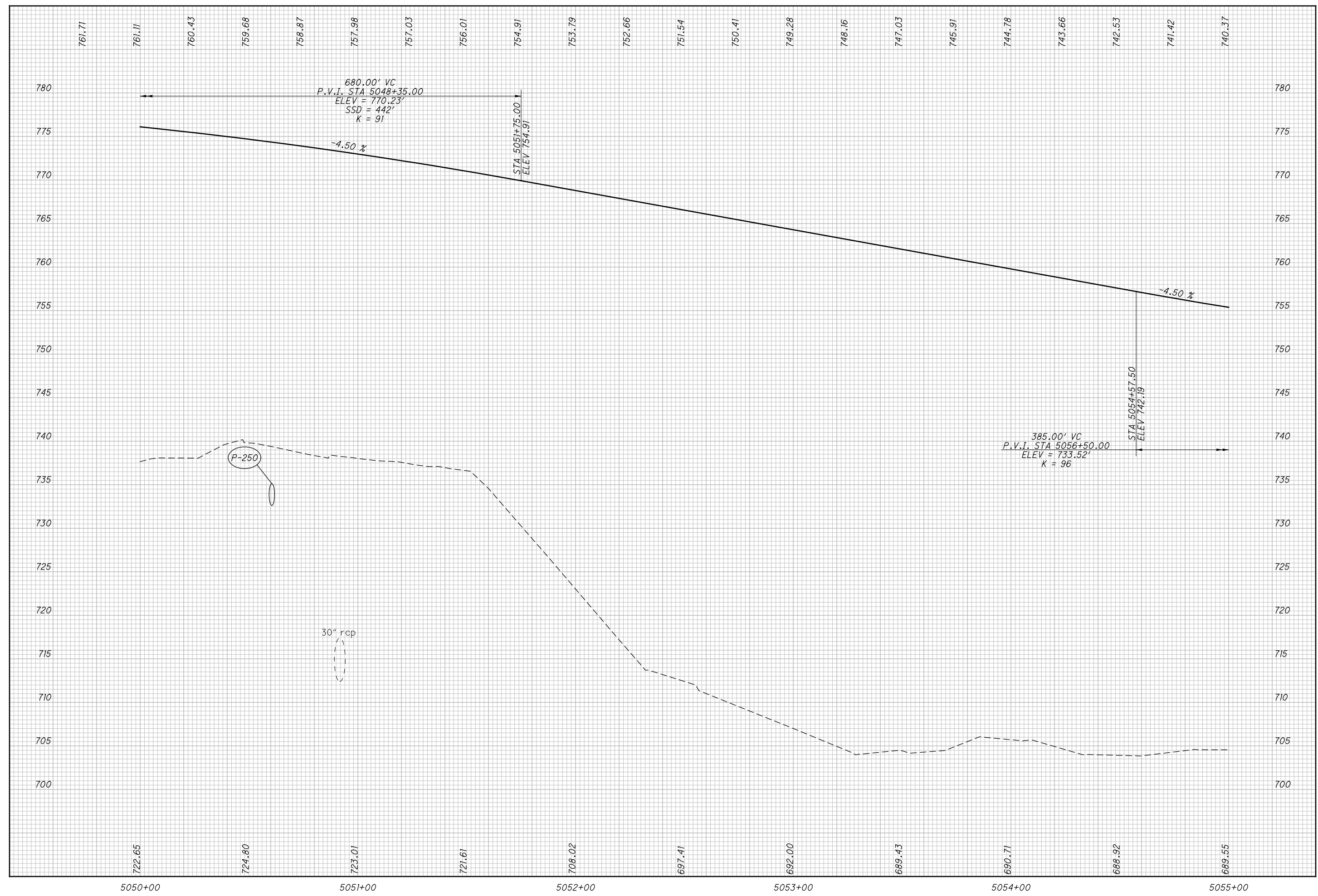
TAPER CODE	BEGINNING STATION	ENDING STATION	SIDE	DESCRIPTION	BEGIN WIDTH	END WIDTH	TAPER RATE
Q	5051+75.92	RAMP C5 5053+79.99	RAMP C5	LT PAVEMENT	16.00'	12.00'	5:1
R	5053+80.44	RAMP C5 5056+60.44	RAMP C5	LT PAVEMENT	32.00'	24.00'	35:1
S	5053+10.00	RAMP C5 5056+70.00	RAMP C5	RT PAVEMENT	20.00'	12.00'	45:1

FOR RAMP C5 PROFILE, SEE SHEET 133
 FOR RAMP A5 PLANS, SEE SHEET 100-107
 FOR FUTURE RAMP B5 PLANS, SEE SHEET 112
 FOR RAMP B5 PLANS, SEE SHEET 108-111
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR I-71 NB PLANS, SEE SHEET 88-99
 FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS
 FOR GORE DETAILS, SEE SHEET 310-322

PLAN - RAMP C5
 STA. 5050+00.00 TO STA. 5055+00.00

FRA-70-12.68

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CALCULATED
 CHECKED

PROFILE - RAMP C5
STA. 5050+00.00 TO STA. 5055+00.00

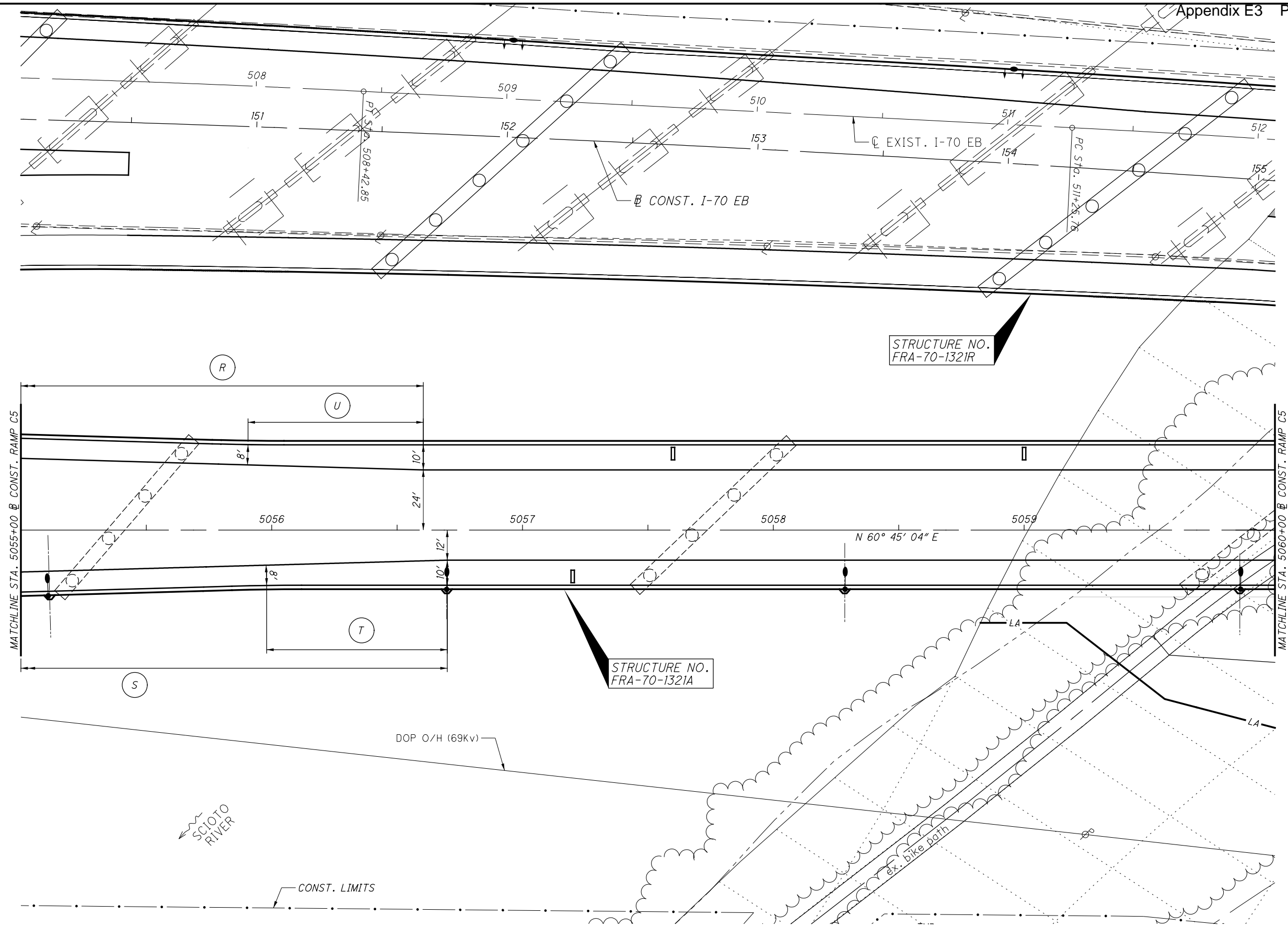
FRA - 70 - 12.68

133
 426

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CALCULATED
CHECKED

HORIZONTAL SCALE IN FEET

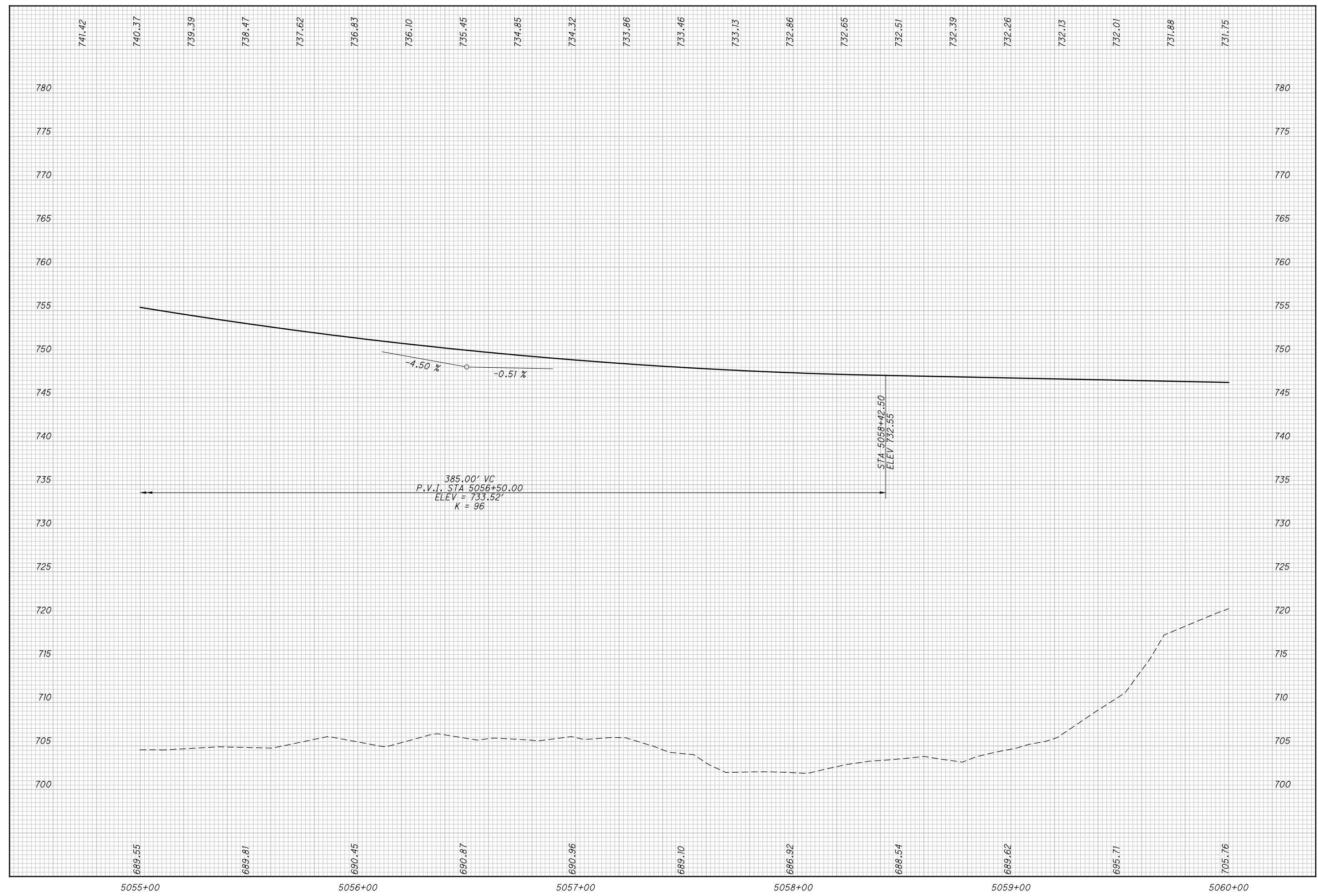


TAPER TABLE									
TAPER CODE	BEGINNING STATION		ENDING STATION		SIDE	DESCRIPTION	BEGIN WIDTH	END WIDTH	TAPER RATE
R	5053+80.44	RAMP C5	5056+60.44	RAMP C5	LT	PAVEMENT	32.00'	24.00'	35:1
S	5053+10.00	RAMP C5	5056+70.00	RAMP C5	RT	PAVEMENT	20.00'	12.00'	45:1
T	5055+98.00	RAMP C5	5056+70.00	RAMP C5	RT	SHOULDER	8.00'	10.00'	36:1
U	5055+90.56	RAMP C5	5056+60.44	RAMP C5	LT	SHOULDER	8.00'	10.00'	35:1

FOR RAMP C5 PROFILE, SEE SHEET 135
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR GORE DETAILS, SEE SHEET 310-322
 FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS

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FRA-70-12.68
PLAN - RAMP C5
STA. 5055+00.00 TO STA. 5060+00.00



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CALCULATED
 CHECKED

PROFILE - RAMP C5
STA. 5055+00.00 TO STA. 5060+00.00

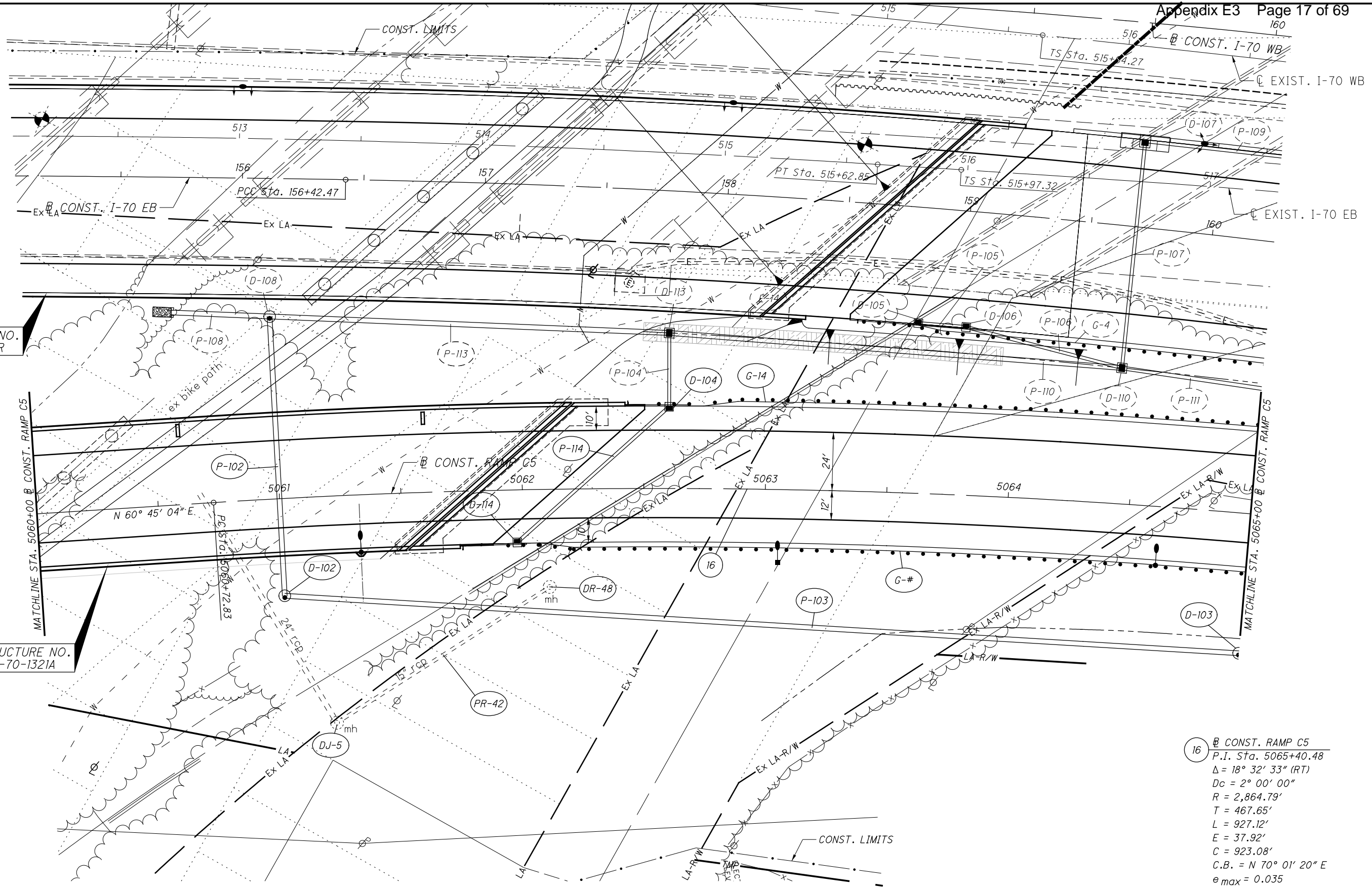
FRA - 70-12.68

135
 426

0 20 40
HORIZONTAL SCALE IN FEET
CALCULATED
CHECKED

STRUCTURE NO. FRA-70-1321R

STRUCTURE NO. FRA-70-1321A



16 @ CONST. RAMP C5
 P.I. Sta. 5065+40.48
 $\Delta = 18^\circ 32' 33" (RT)$
 $D_c = 2^\circ 00' 00"$
 $R = 2,864.79'$
 $T = 467.65'$
 $L = 927.12'$
 $E = 37.92'$
 $C = 923.08'$
 $C.B. = N 70^\circ 01' 20" E$
 $e_{max} = 0.035$
 $P.C. Sta. 5060+72.83$
 $P.T. Sta. 5069+99.95$
 $D.S. = 50 MPH$

ITEM 670 - DEP

FOR PIPE PROFILES, SEE SHEET 137
 FOR RAMP C5 PROFILE, SEE SHEET 137
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS
 FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORTS

PLAN - RAMP C5
 STA. 5060+00.00 TO STA. 5065+00.00

FRA-70-12.68

136
426

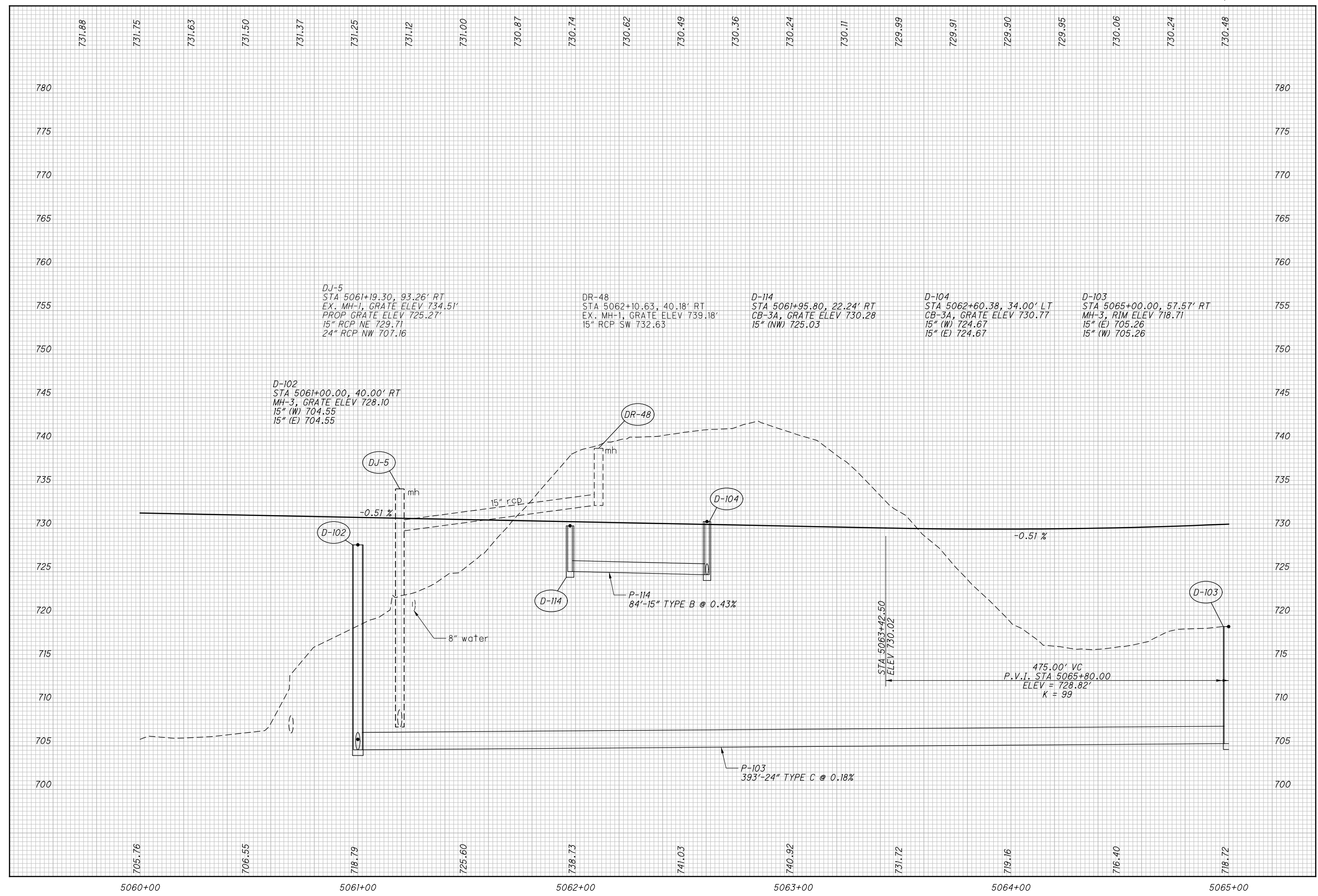
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CALCULATED
CHECKED

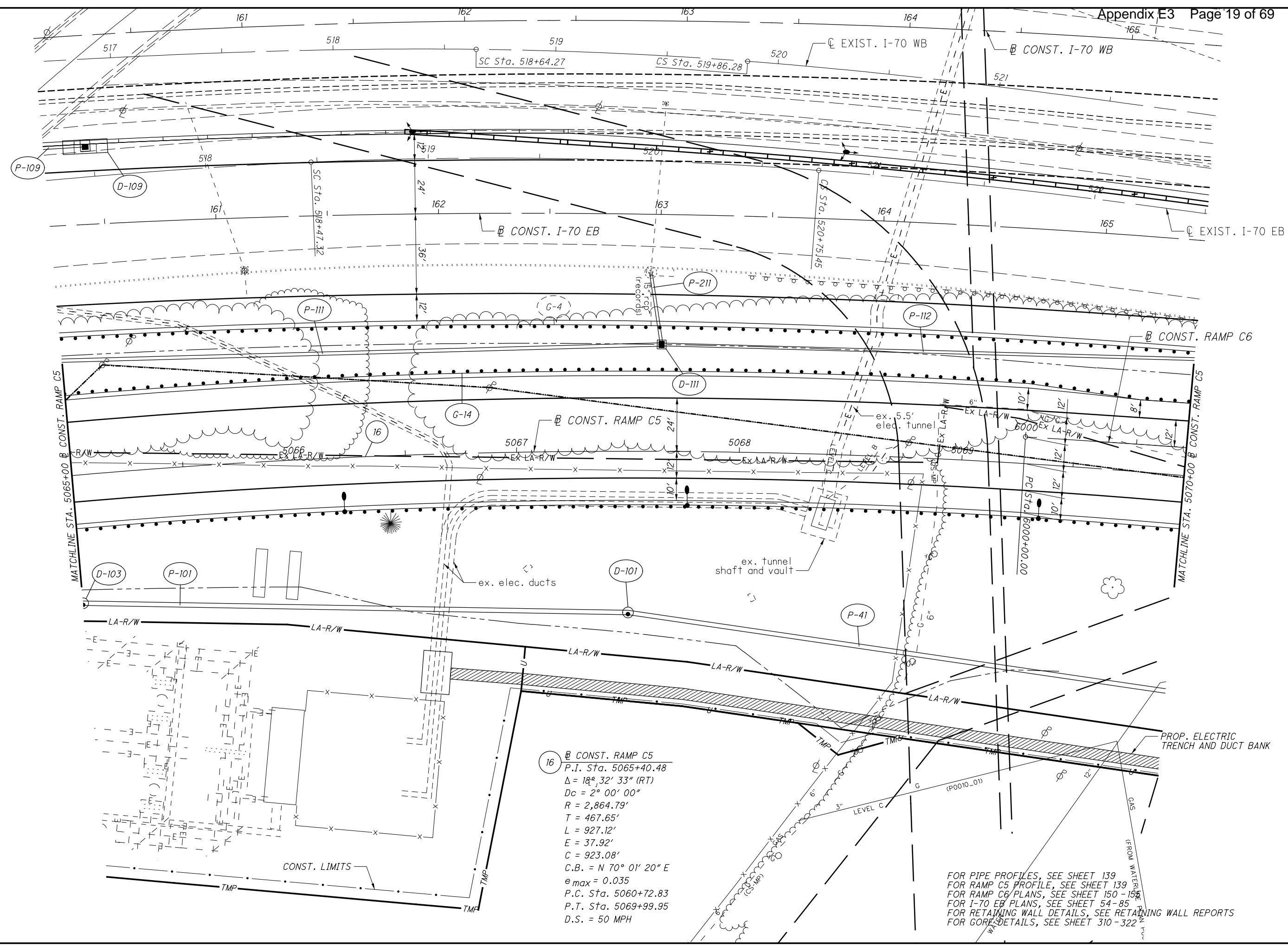
PROFILE - RAMP C5
STA. 5060+00.00 TO STA. 5065+00.00

FRA - 70-12.68

137
426



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16 CONST. RAMP C5

P.I. Sta.	5065+40.48
Δ	$18^{\circ} 32' 33''$ (RT)
D_c	$2^{\circ} 00' 00''$
R	2,864.79'
T	467.65'
L	927.12'
E	37.92'
C	923.08'
C.B.	$N 70^{\circ} 01' 20'' E$
e_{max}	0.035
P.C. Sta.	5060+72.83
P.T. Sta.	5069+99.95
D.S.	50 MPH

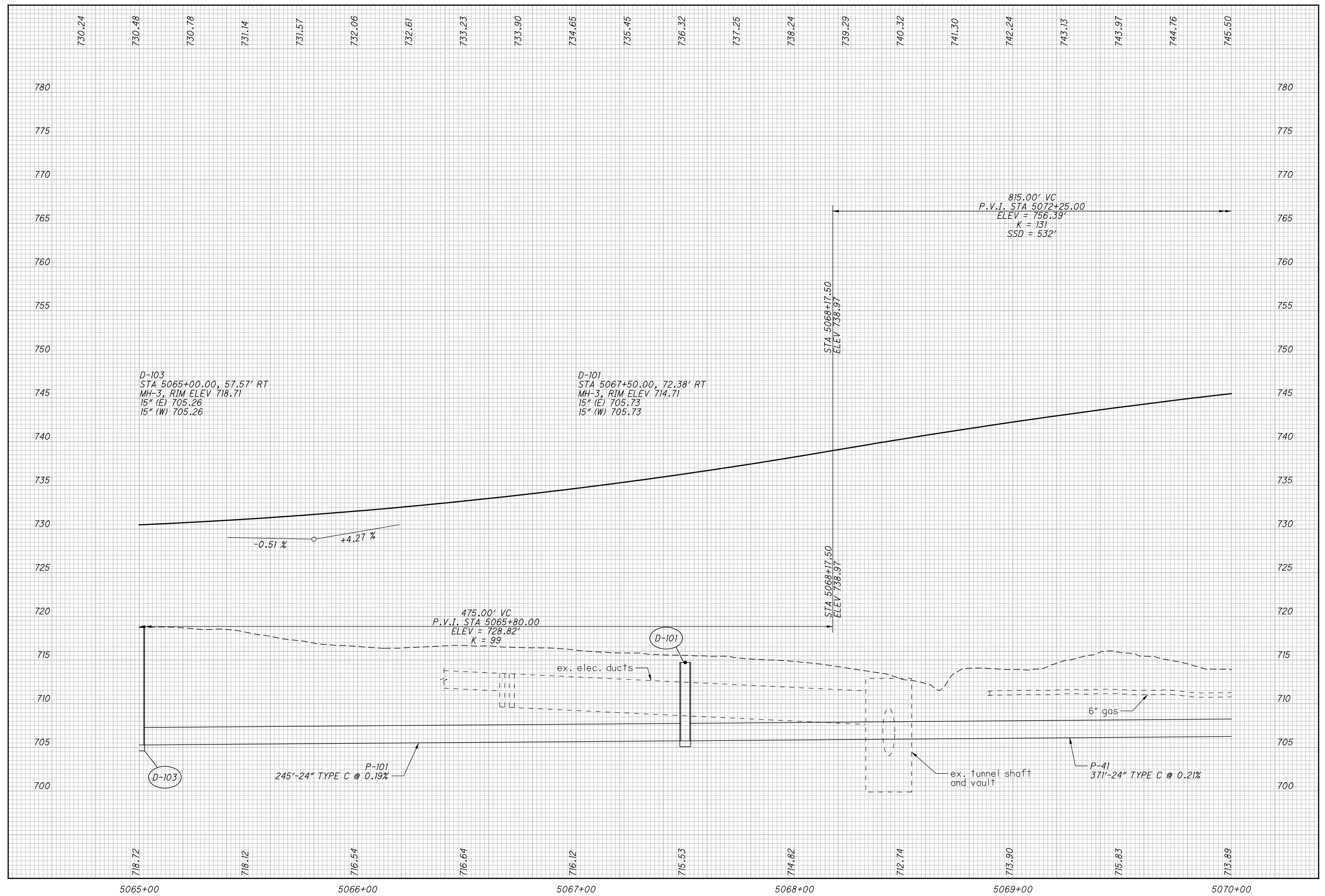
FOR PIPE PROFILES, SEE SHEET 139
 FOR RAMP C5 PROFILE, SEE SHEET 139
 FOR RAMP C6 PLANS, SEE SHEET 150-151
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORTS
 FOR GORE DETAILS, SEE SHEET 310-322

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PLAN - RAMP C5
 STA. 5065+00.00 TO STA. 5070+00.00

FRA-70-12.68

138
 426



CALCULATED
 CHECKED

PROFILE - RAMP C5
 STA. 5065+00.00 TO STA. 5070+00.00

FRA-70-12.68

139
 426

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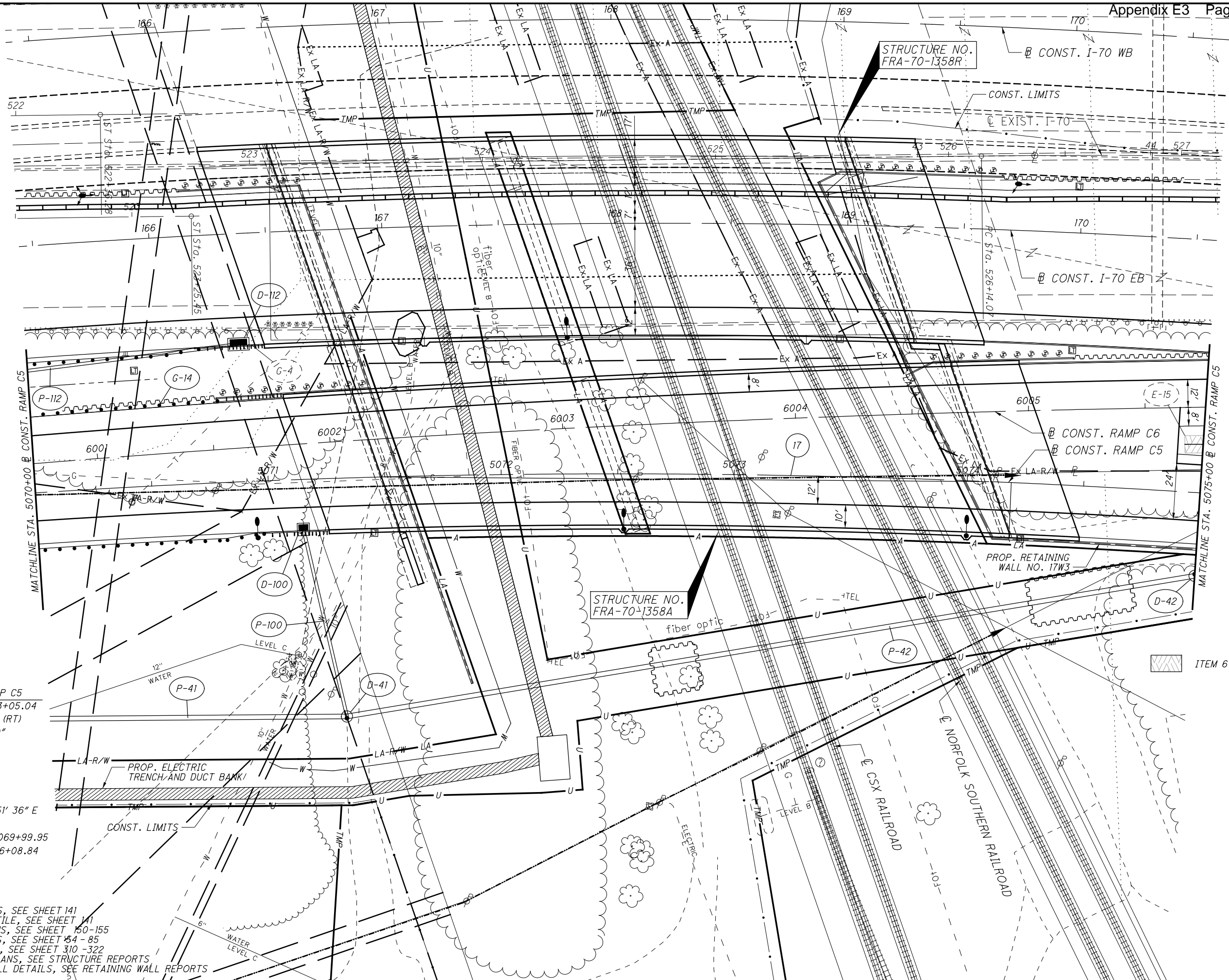


CALCULATED
CHECKED

PLAN - RAMP C5
STA. 5070+00.00 TO STA. 5075+00.00

FRA-70-12.68

140
426



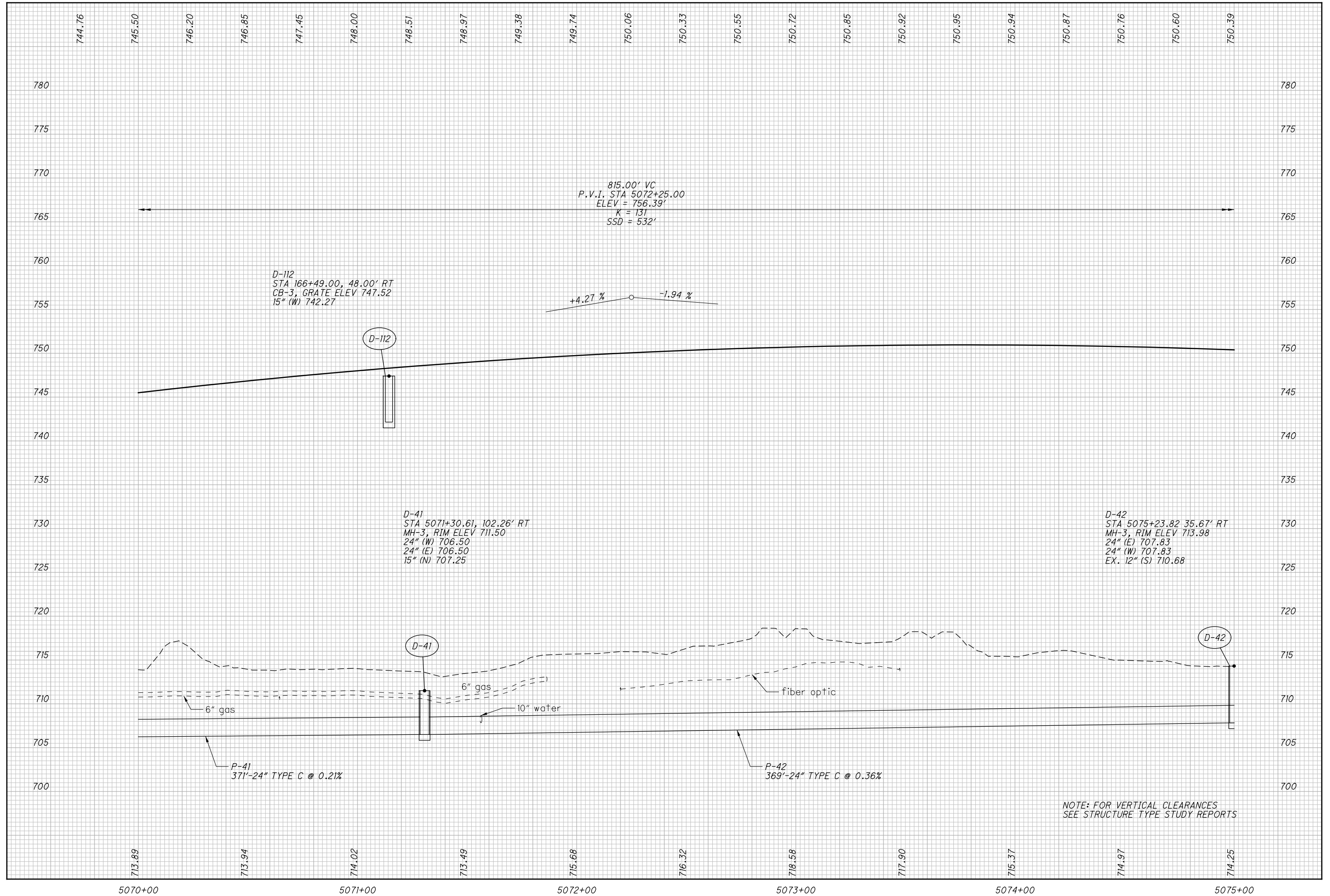
STRUCTURE NO.
FRA-70-1358R

STRUCTURE NO.
FRA-70-1358A

17 @ CONST. RAMP C5
P.I. Sta. 5073+05.04
 $\Delta = 9^\circ 08' 00''$ (RT)
 $D_c = 1^\circ 30' 00''$
 $R = 3,819.72'$
 $T = 305.09'$
 $L = 608.89'$
 $E = 12.16'$
 $C = 608.25'$
C.B. = $N 83^\circ 51' 36'' E$
 $\theta_{max} = 0.024$
P.C.C. Sta. 5069+99.95
P.T. Sta. 5076+08.84
D.S. = 45 MPH

FOR PIPE PROFILES, SEE SHEET 141
FOR RAMP C5 PROFILE, SEE SHEET 141
FOR RAMP C6 PLANS, SEE SHEET 150-155
FOR I-70 EB PLANS, SEE SHEET 84-85
FOR GORE DETAILS, SEE SHEET 310-322
FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS
FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORTS

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 3:25:05 PM
 CLUZIER



CALCULATED
 CHECKED

PROFILE - RAMP C5
STA. 5070+00.00 TO STA. 5075+00.00

FRA-70-12.68

141
 426

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NOTE: FOR VERTICAL CLEARANCES
 SEE STRUCTURE TYPE STUDY REPORTS



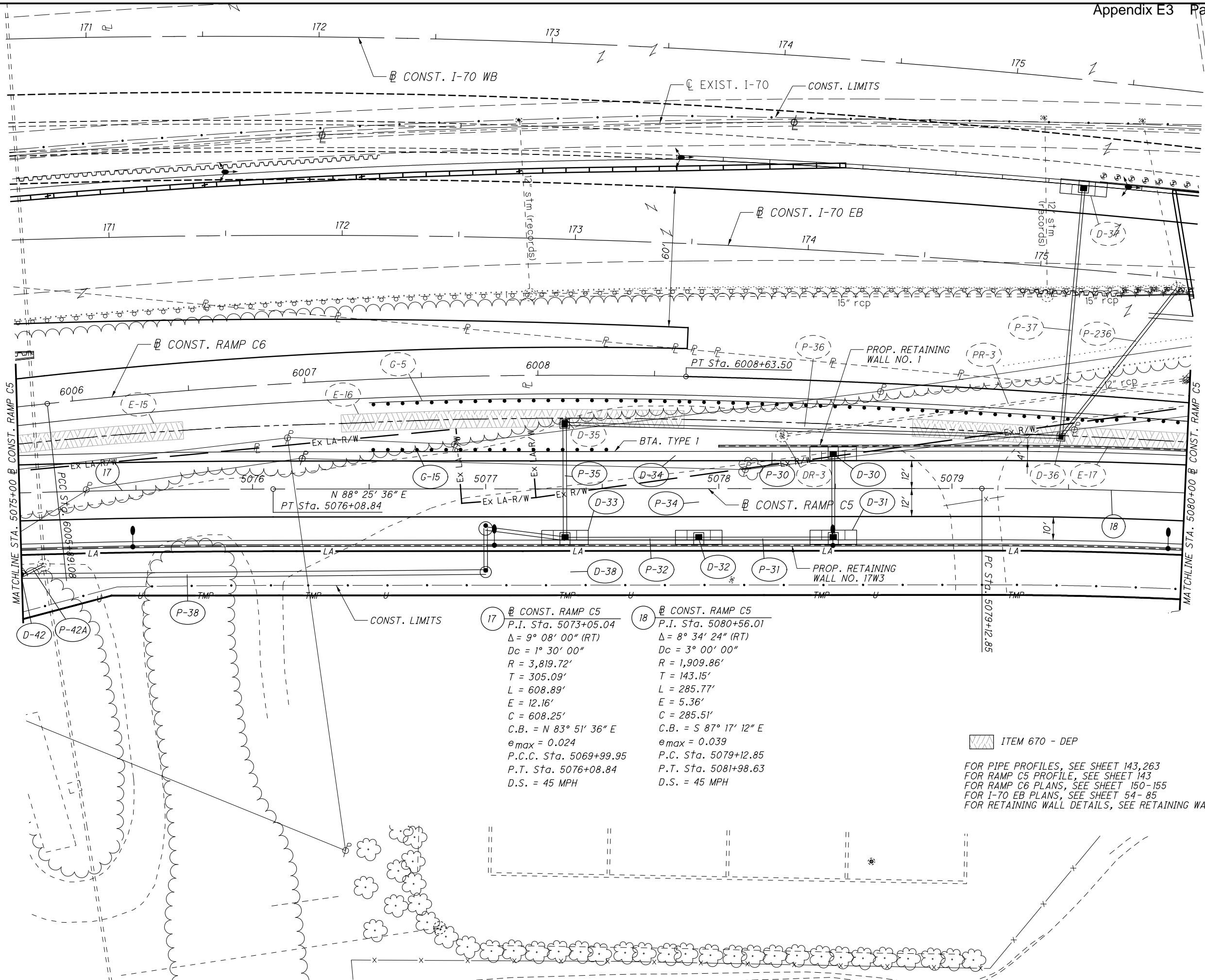
0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED
CHECKED

PLAN - RAMP C5
STA. 5075+00.00 TO STA. 5080+00.00

FRA-70-12.68

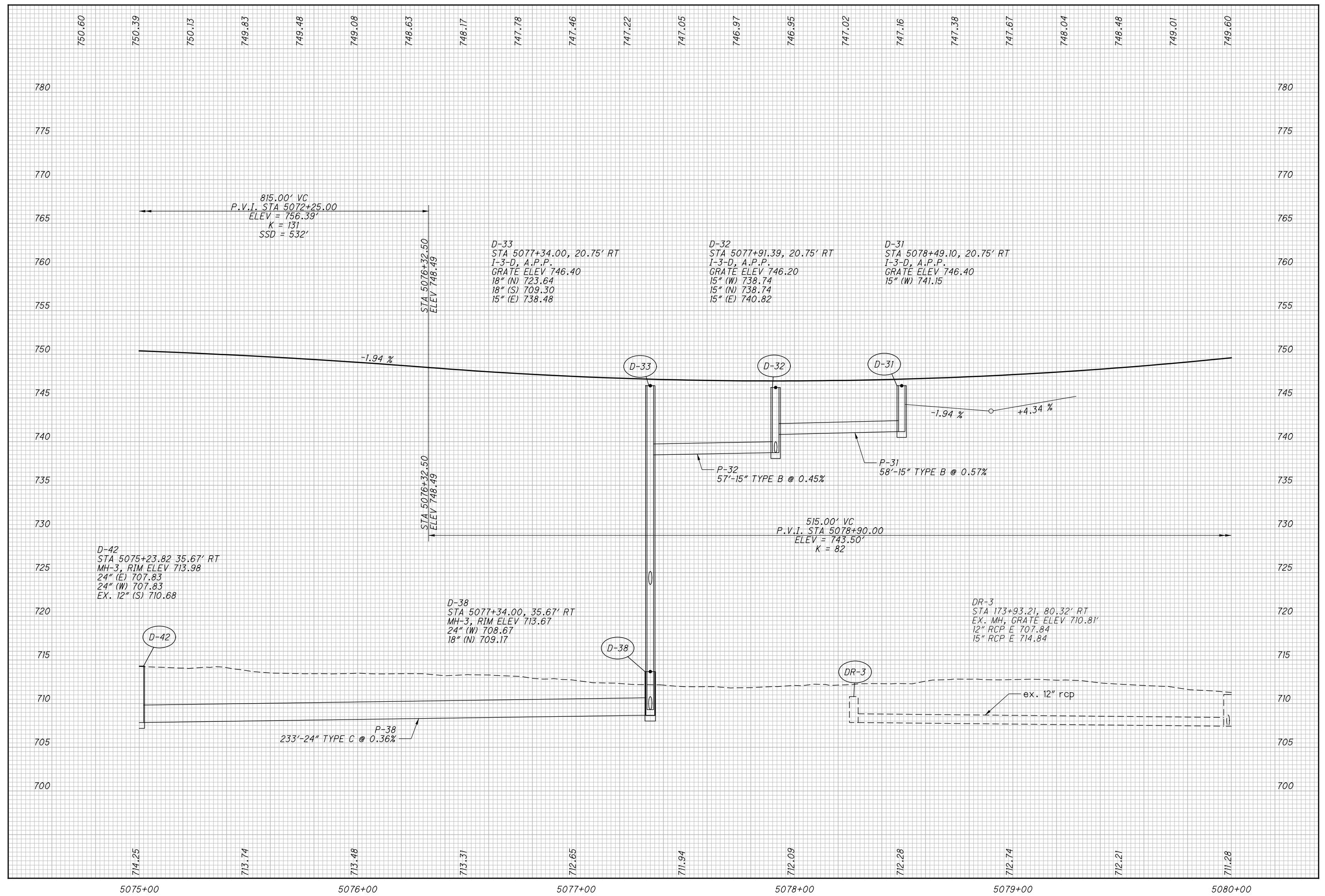
142
426



<p>17 CONST. RAMP C5 P.I. Sta. 5073+05.04 $\Delta = 9^\circ 08' 00''$ (RT) $Dc = 1^\circ 30' 00''$ $R = 3,819.72'$ $T = 305.09'$ $L = 608.89'$ $E = 12.16'$ $C = 608.25'$ C.B. = N 83° 51' 36" E $e_{max} = 0.024$ P.C.C. Sta. 5069+99.95 P.T. Sta. 5076+08.84 D.S. = 45 MPH</p>	<p>18 CONST. RAMP C5 P.I. Sta. 5080+56.01 $\Delta = 8^\circ 34' 24''$ (RT) $Dc = 3^\circ 00' 00''$ $R = 1,909.86'$ $T = 143.15'$ $L = 285.77'$ $E = 5.36'$ $C = 285.51'$ C.B. = S 87° 17' 12" E $e_{max} = 0.039$ P.C. Sta. 5079+12.85 P.T. Sta. 5081+98.63 D.S. = 45 MPH</p>
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ITEM 670 - DEP
 FOR PIPE PROFILES, SEE SHEET 143,263
 FOR RAMP C5 PROFILE, SEE SHEET 143
 FOR RAMP C6 PLANS, SEE SHEET 150-155
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORTS

\KARNDA\DATA\2012\201204\FRA\7372\ROADWAY\SHEETS\7372OP062.DGN
 12/16/2014
 11:42:44 PM
 SMOBSY



CALCULATED
CHECKED

PROFILE - RAMP C5
STA. 5075+00.00 TO STA. 5080+00.00

FRA-70-12.68

143
426

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 12/16/2014
 1:51:50 PM
 SMOBY



CALCULATED
CHECKED

PLAN - RAMP C5
STA. 5080+00.00 TO STA. 5085+00.00

FRA-70-12.68

144
426

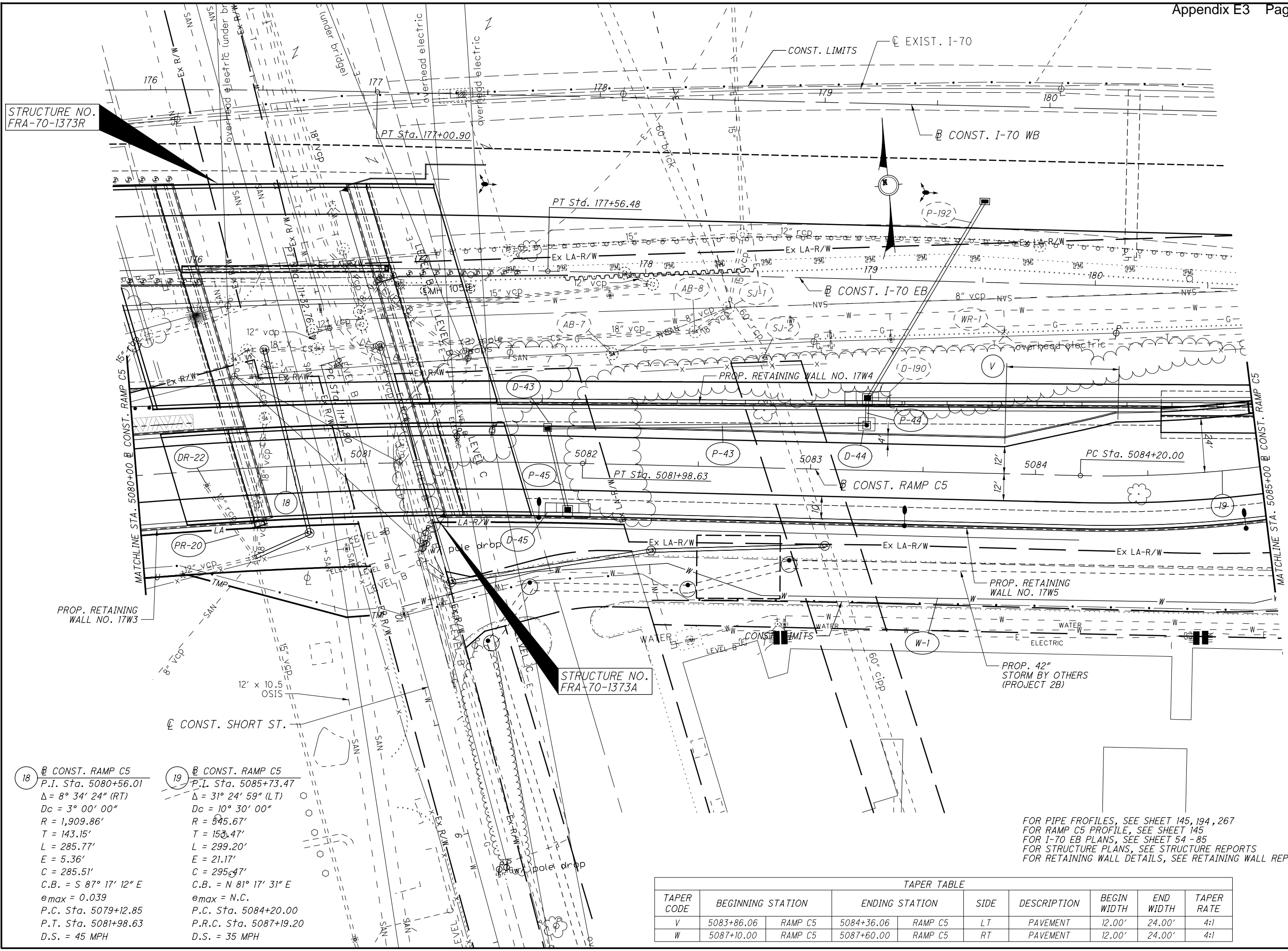
STRUCTURE NO.
FRA-70-1373R

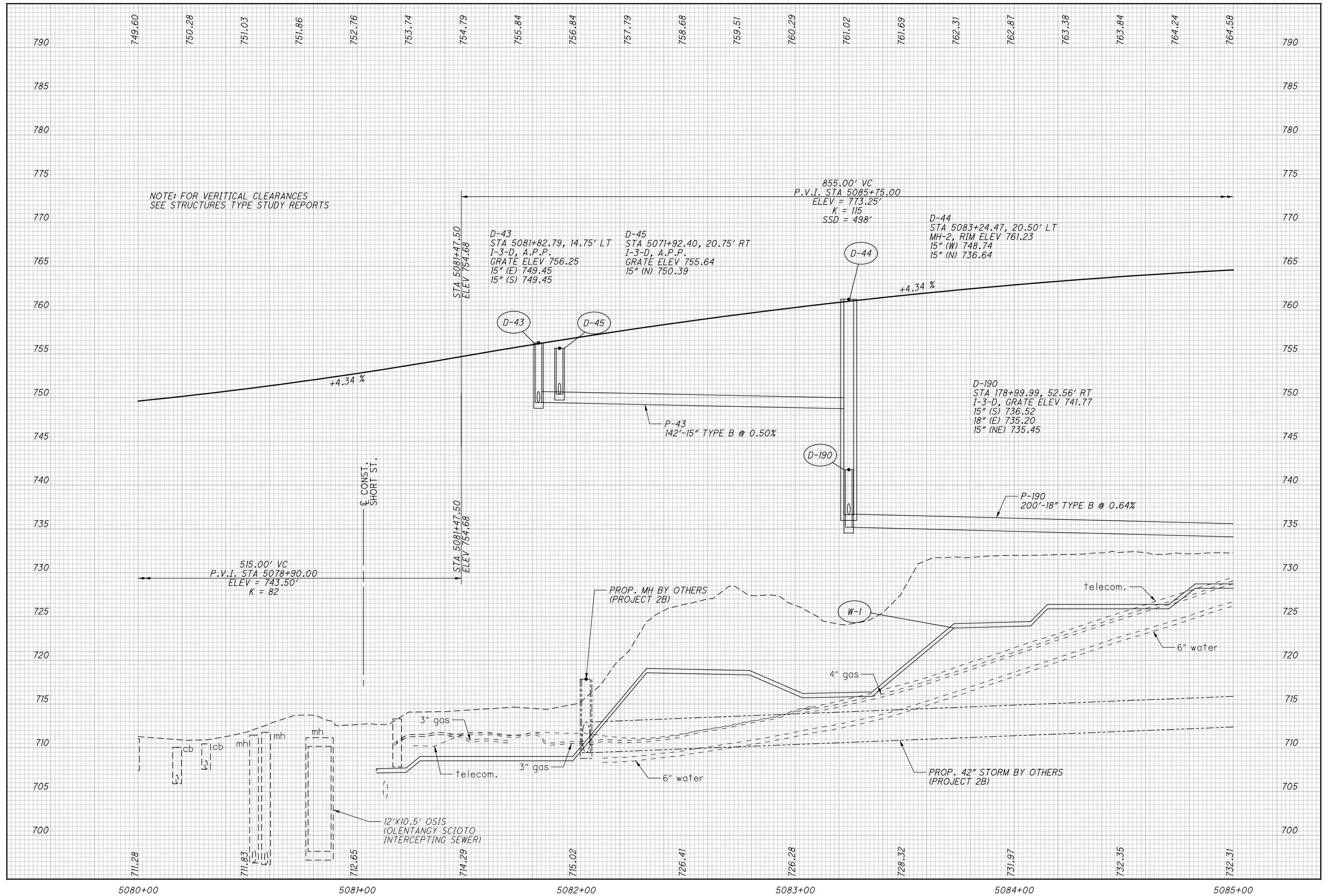
STRUCTURE NO.
FRA-70-1373A

18	CONST. RAMP C5 P.I. Sta. 5080+56.01 Δ = 8° 34' 24" (RT) Dc = 3° 00' 00" R = 1,909.86' T = 143.15' L = 285.77' E = 5.36' C = 285.51' C.B. = S 87° 17' 12" E e _{max} = 0.039 P.C. Sta. 5079+12.85 P.T. Sta. 5081+98.63 D.S. = 45 MPH	19	CONST. RAMP C5 P.I. Sta. 5085+73.47 Δ = 31° 24' 59" (LT) Dc = 10° 30' 00" R = 545.67' T = 150.47' L = 299.20' E = 21.17' C = 295.47' C.B. = N 81° 17' 31" E e _{max} = N.C. P.C. Sta. 5084+20.00 P.R.C. Sta. 5087+19.20 D.S. = 35 MPH
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TAPER CODE	BEGINNING STATION	ENDING STATION	SIDE	DESCRIPTION	BEGIN WIDTH	END WIDTH	TAPER RATE	
V	5083+86.06	RAMP C5 5084+36.06	RAMP C5	LT	PAVEMENT	12.00'	24.00'	4:1
W	5087+10.00	RAMP C5 5087+60.00	RAMP C5	RT	PAVEMENT	12.00'	24.00'	4:1

FOR PIPE PROFILES, SEE SHEET 145, 194, 267
FOR RAMP C5 PROFILE, SEE SHEET 145
FOR I-70 EB PLANS, SEE SHEET 54 - 85
FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS
FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORTS





CALCULATED
CHECKED

PROFILE - RAMP C5
STA. 5080+00.00 TO STA. 5085+00.00

FRA - 70-12.68

145
426

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FOR RAMP C5 PROFILE, SEE SHEET 147
 FOR I-70 EB PLANS, SEE SHEET 54-85
 FOR STRUCTURE PLANS, SEE STRUCTURE REPORTS
 FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORT



CALCULATED
 CHECKED

PLAN - RAMP C5
 STA. 5085+00.00 TO STA. 5090+00.00

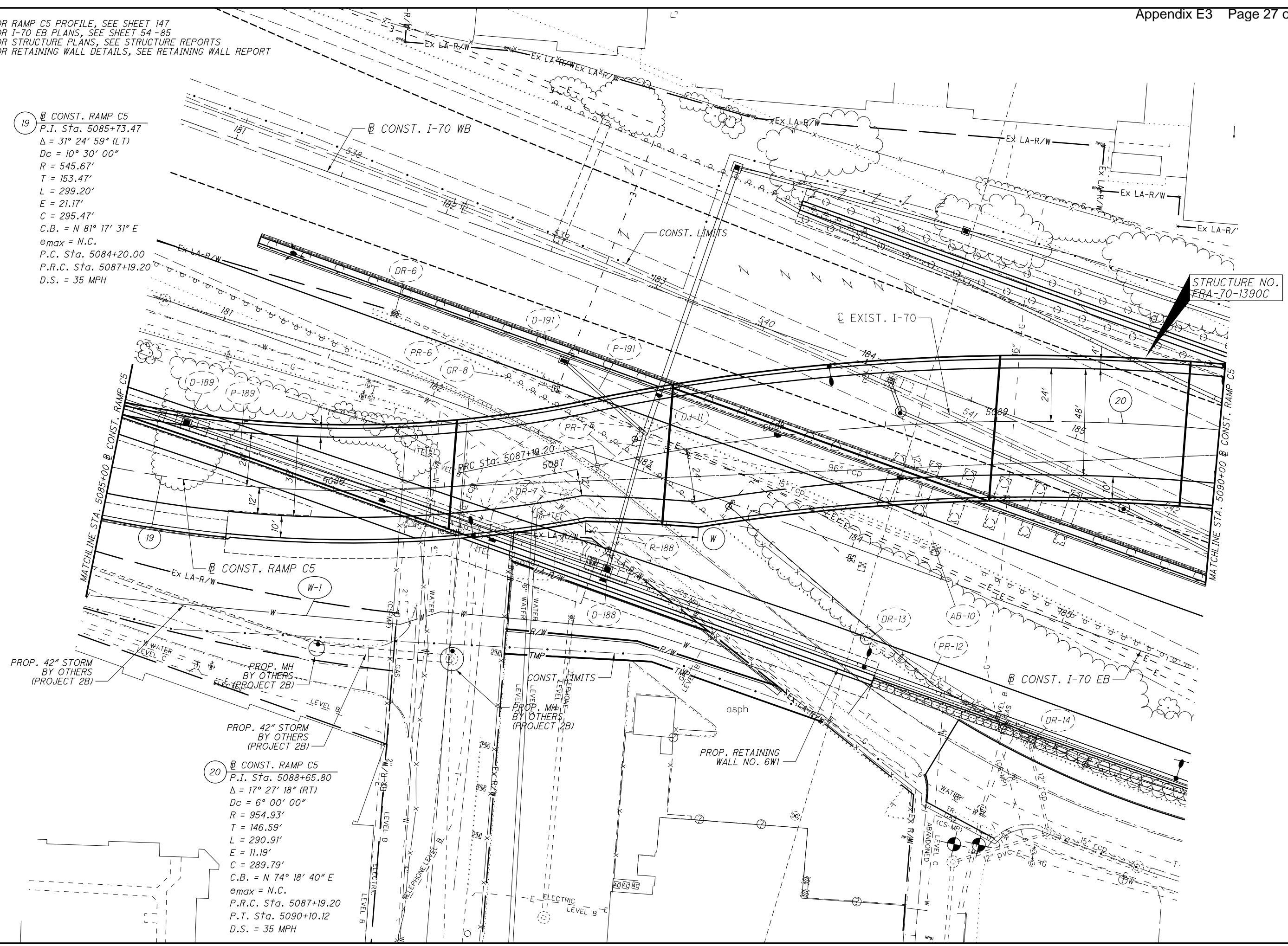
FRA-70-12.68

146
 426

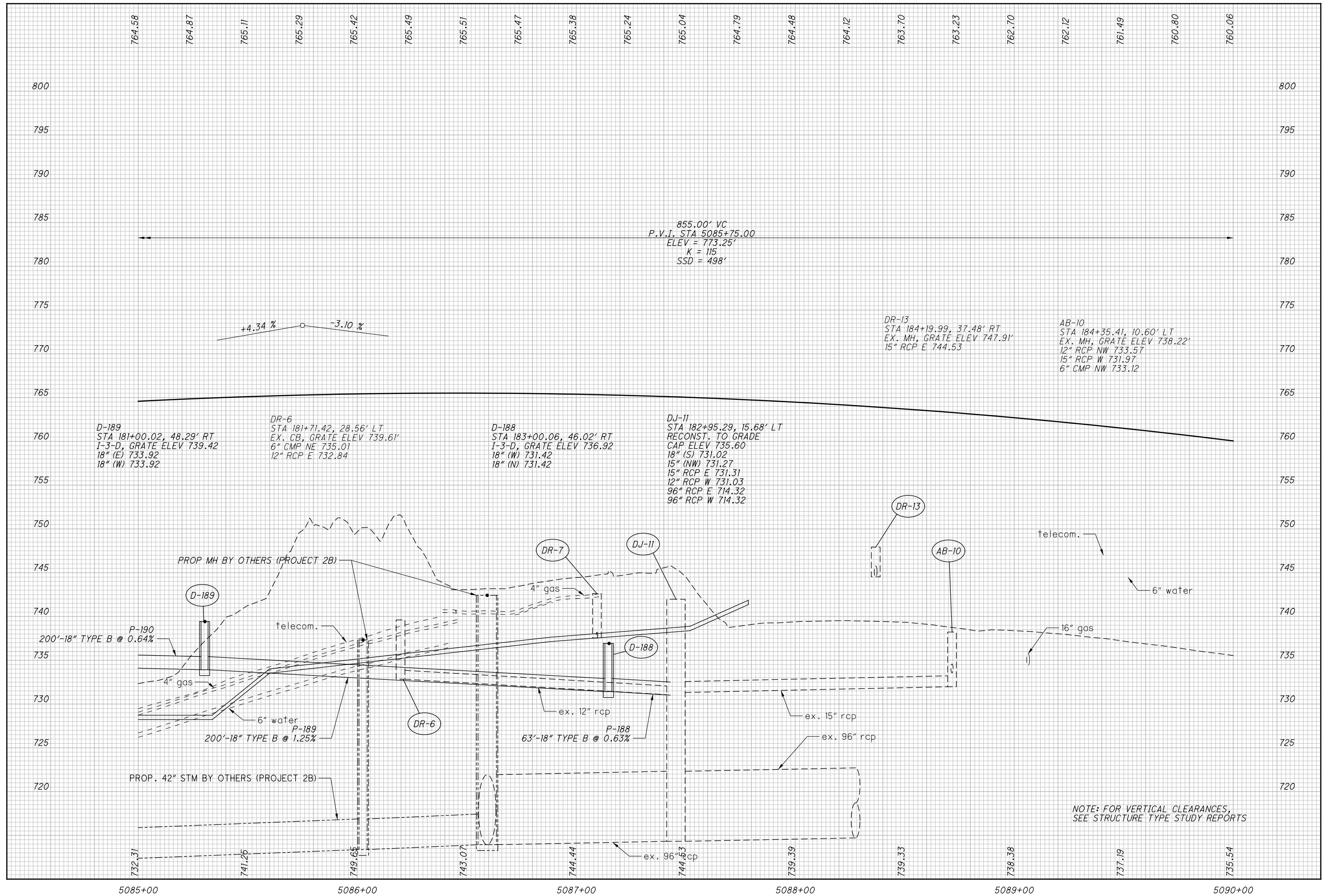
19 CONST. RAMP C5
 P.I. Sta. 5085+73.47
 $\Delta = 31^\circ 24' 59''$ (LT)
 $D_c = 10^\circ 30' 00''$
 $R = 545.67'$
 $T = 153.47'$
 $L = 299.20'$
 $E = 21.17'$
 $C = 295.47'$
 $C.B. = N 81^\circ 17' 31'' E$
 $e_{max} = N.C.$
 P.C. Sta. 5084+20.00
 P.R.C. Sta. 5087+19.20
 D.S. = 35 MPH

20 CONST. RAMP C5
 P.I. Sta. 5088+65.80
 $\Delta = 17^\circ 27' 18''$ (RT)
 $D_c = 6^\circ 00' 00''$
 $R = 954.93'$
 $T = 146.59'$
 $L = 290.91'$
 $E = 11.19'$
 $C = 289.79'$
 $C.B. = N 74^\circ 18' 40'' E$
 $e_{max} = N.C.$
 P.R.C. Sta. 5087+19.20
 P.T. Sta. 5090+10.12
 D.S. = 35 MPH

STRUCTURE NO.
 FRA-70-1390C



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 SMOBSY



D-189
STA 181+00.02, 48.29' RT
I-3-D, GRATE ELEV 739.42
18" (E) 733.92
18" (W) 733.92

DR-6
STA 181+71.42, 28.56' LT
EX. CB, GRATE ELEV 739.61'
6" CMP NE 735.01
12" RCP E 732.84

D-188
STA 183+00.06, 46.02' RT
I-3-D, GRATE ELEV 736.92
18" (W) 731.42
18" (N) 731.42

DJ-11
STA 182+95.29, 15.68' LT
RECONST. TO GRADE
CAP ELEV 735.60
18" (S) 731.02
15" (NW) 731.27
15" RCP E 731.31
12" RCP W 731.03
96" RCP E 714.32
96" RCP W 714.32

DR-13
STA 184+19.99, 37.48' RT
EX. MH, GRATE ELEV 747.91'
15" RCP E 744.53

AB-10
STA 184+35.41, 10.60' LT
EX. MH, GRATE ELEV 738.22'
12" RCP NW 733.57
15" RCP W 731.97
6" CMP NW 733.12

NOTE: FOR VERTICAL CLEARANCES,
SEE STRUCTURE TYPE STUDY REPORTS

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 12/16/2014
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 SMOBY

CALCULATED	CHECKED
PROFILE - RAMP C5	
STA. 5085+00.00 TO STA. 5090+00.00	
FRA-70-12.68	
147	426



CALCULATED 0
CHECKED

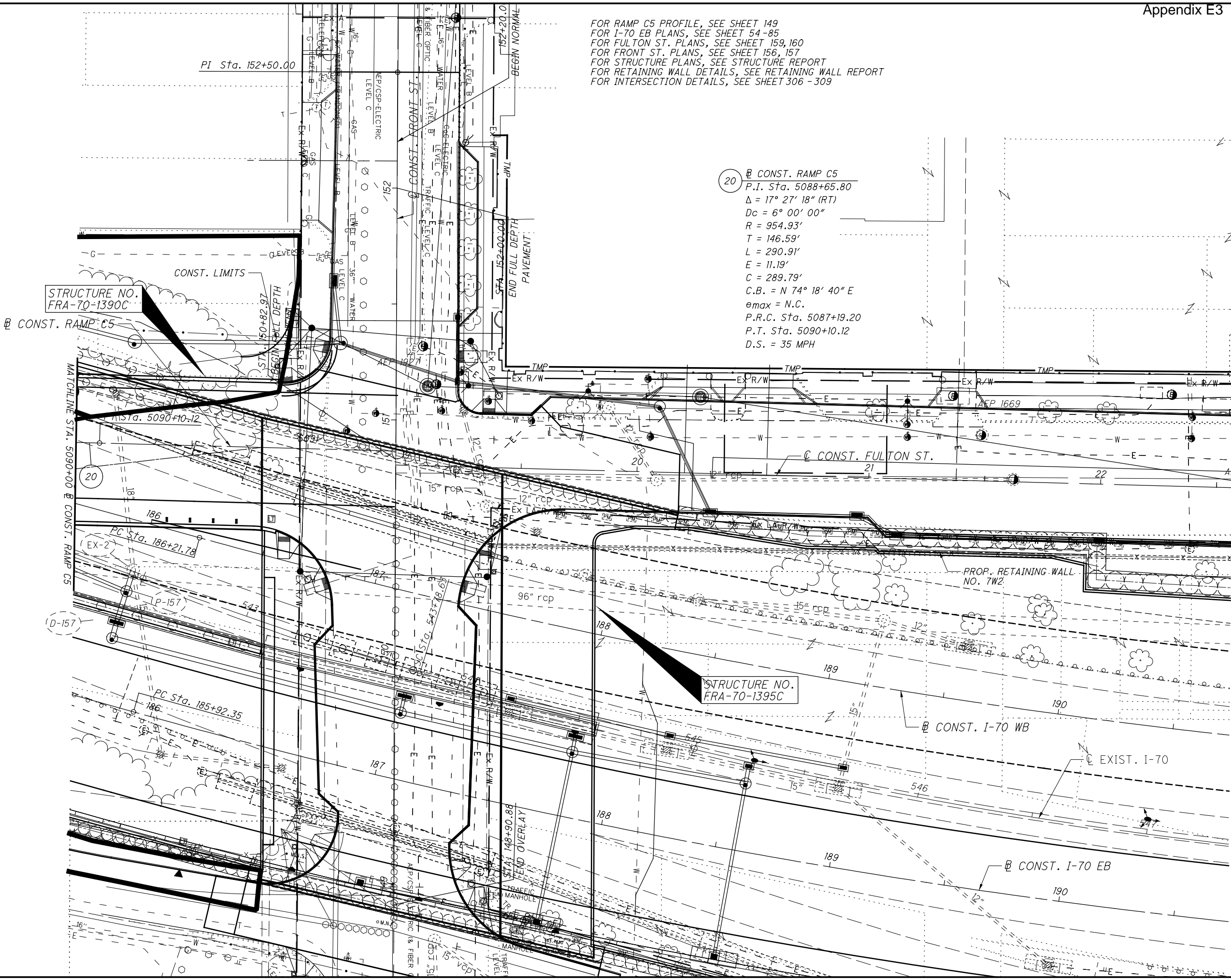
PLAN - RAMP C5
STA. 5090+00.00 TO END

FRA-70-12.68

148
426

FOR RAMP C5 PROFILE, SEE SHEET 149
FOR I-70 EB PLANS, SEE SHEET 54-85
FOR FULTON ST. PLANS, SEE SHEET 159, 160
FOR FRONT ST. PLANS, SEE SHEET 156, 157
FOR STRUCTURE PLANS, SEE STRUCTURE REPORT
FOR RETAINING WALL DETAILS, SEE RETAINING WALL REPORT
FOR INTERSECTION DETAILS, SEE SHEET 306 - 309

20 @ CONST. RAMP C5
P.I. Sta. 5088+65.80
 $\Delta = 17^\circ 27' 18''$ (RT)
 $D_c = 6^\circ 00' 00''$
 $R = 954.93'$
 $T = 146.59'$
 $L = 290.91'$
 $E = 11.19'$
 $C = 289.79'$
C.B. = N 74° 18' 40" E
emax = N.C.
P.R.C. Sta. 5087+19.20
P.T. Sta. 5090+10.12
D.S. = 35 MPH



STRUCTURE NO. FRA-70-1390C

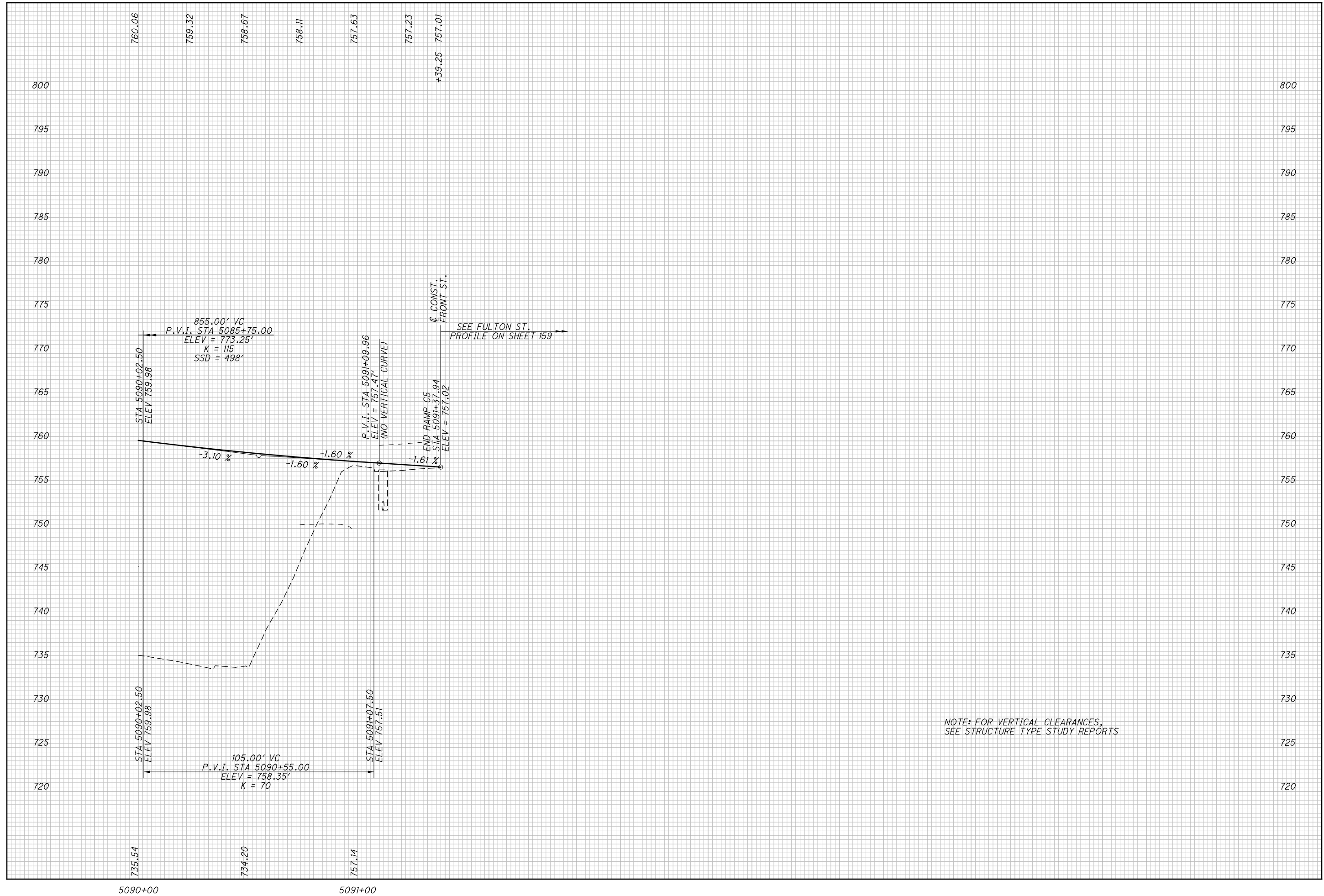
STRUCTURE NO. FRA-70-1395C

PI Sta. 152+50.00

MATCHLINE STA. 5090+00 @ CONST. RAMP C5

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SNOBSY

CALCULATED
 CHECKED



NOTE: FOR VERTICAL CLEARANCES,
 SEE STRUCTURE TYPE STUDY REPORTS

PROFILE - RAMP C5
 STA. 5090+00.00 TO END

FRA - 70 - 12.68

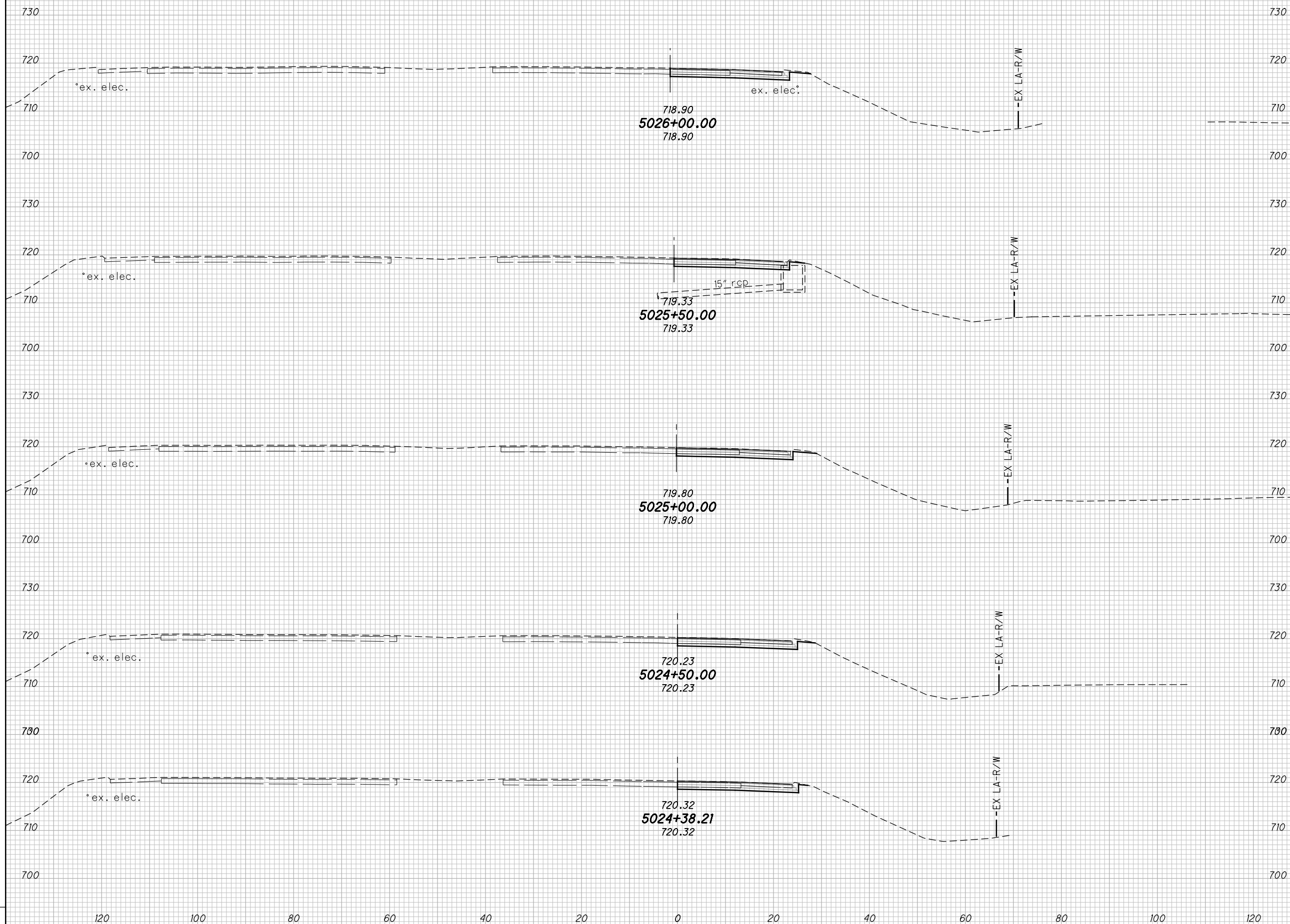
149
 426

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SEEDING
END SO.
WIDTH YDS.

CUT FILL CUT FILL
CALCULATED CHECKED

ITEM 202 - PAVEMENT REMOVED
ITEM 202 - PAVEMENT REMOVED, ASPHALT



CROSS SECTIONS - RAMP C5
STA. 5024+38.21 TO STA. 5026+00.00

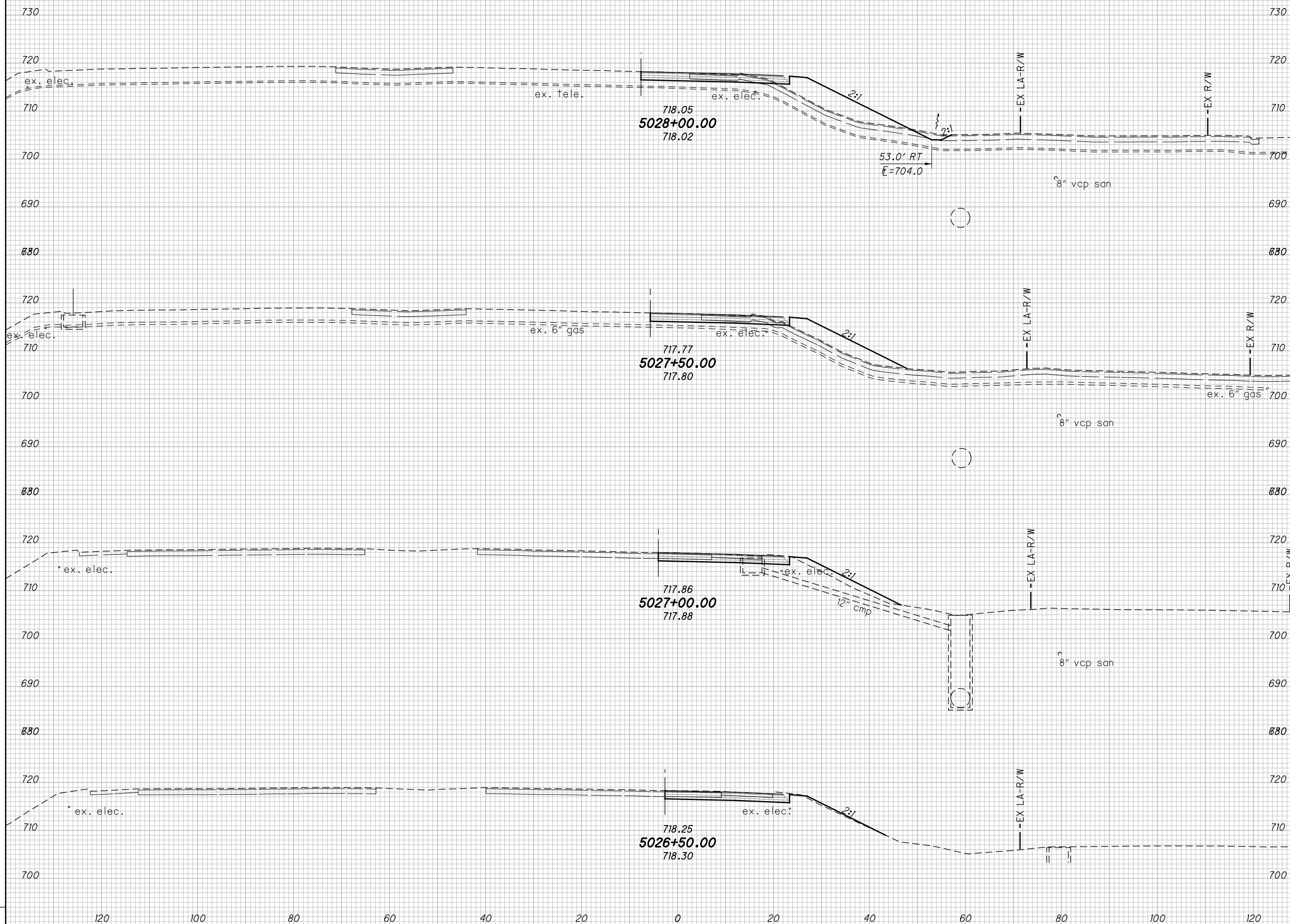
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SEEDING
END SO.
WIDTH YDS.

CUT	FILL	CUT	FILL	CALCULATED	CHECKED

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT





CROSS SECTIONS - RAMP C5
STA. 5026+50.00 TO STA. 5028+00.00

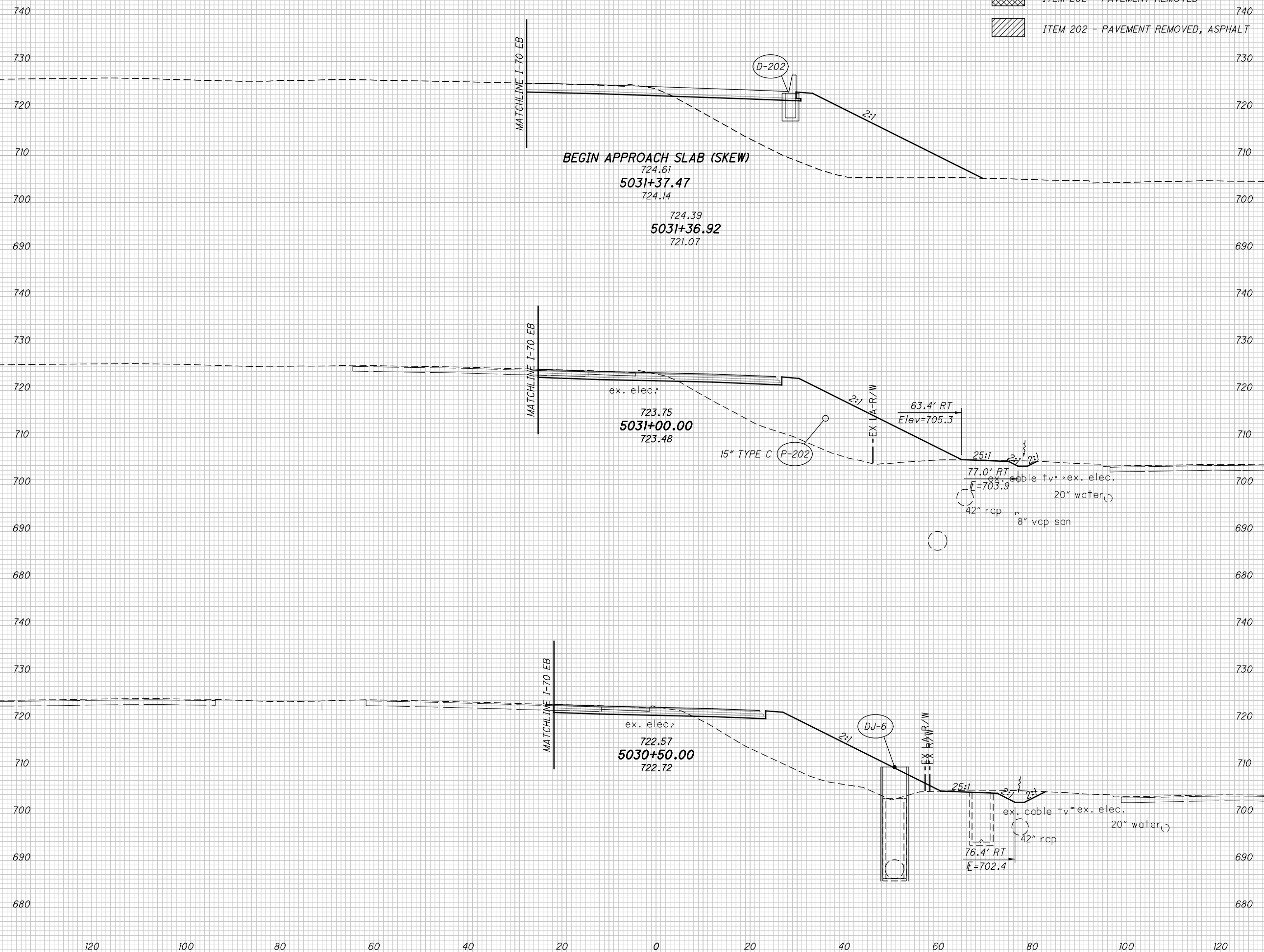
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SMC/BSY

SEEDING
END SO.
WIDTH YDS.

CUT FILL CUT FILL
CALCULATED CHECKED

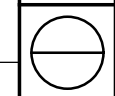
-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT



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 SMOBSY

CROSS SECTIONS - RAMP C5
STA. 5030+50.00 TO STA. 5031+36.47

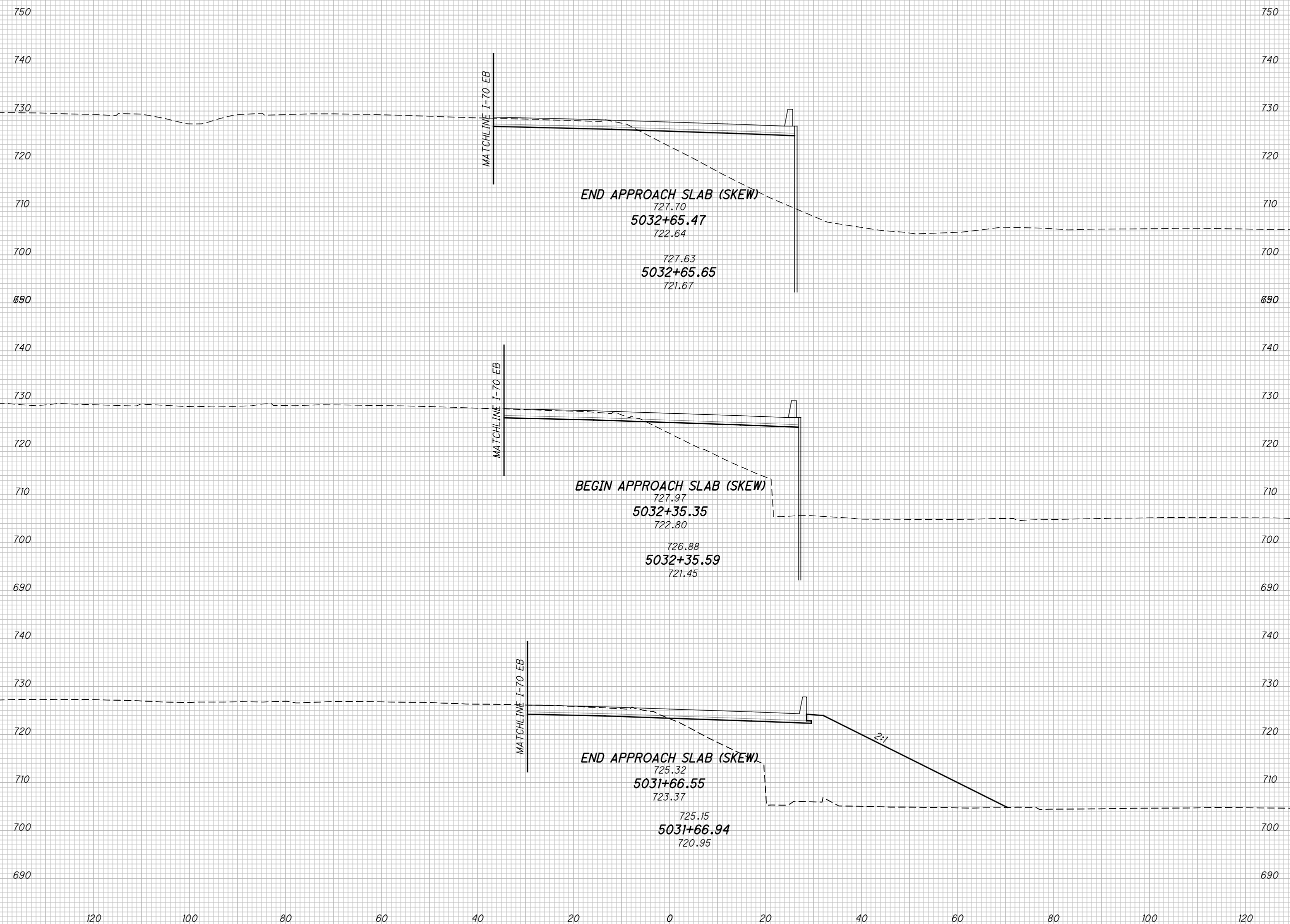
FRA-70-12.68



SEEDING
END SO.
WIDTH YDS.

CUT FILL CUT FILL
CALCULATED CHECKED

ITEM 202 - PAVEMENT REMOVED
ITEM 202 - PAVEMENT REMOVED, ASPHALT




CROSS SECTIONS - RAMP C5
STA. 5031+66.55 TO STA. 5032+65.47

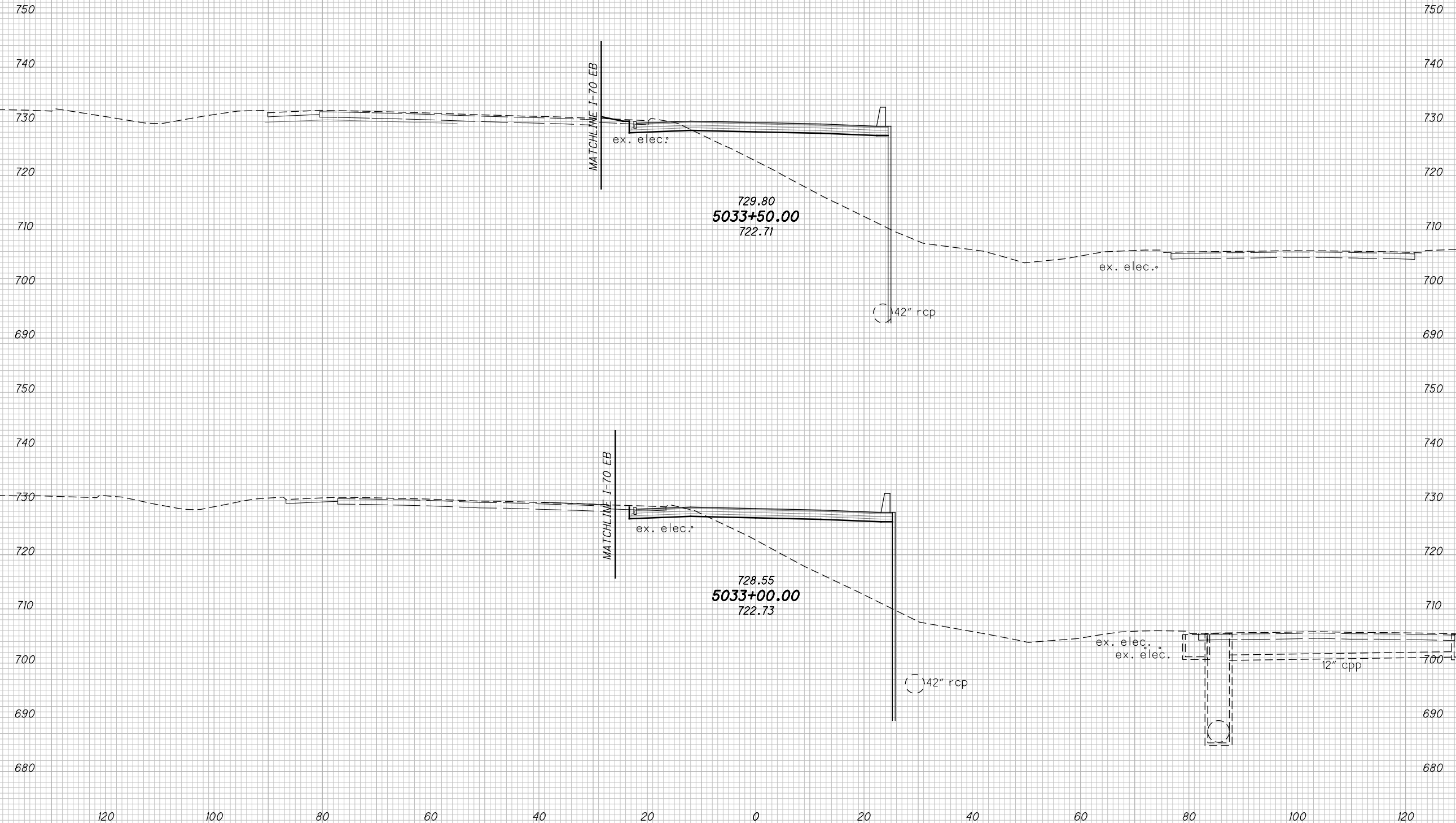
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SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				





CROSS SECTIONS - RAMP C5
STA. 5033+00.00 TO STA. 5033+50.00

FRA-70-12.68

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SMC/SBY

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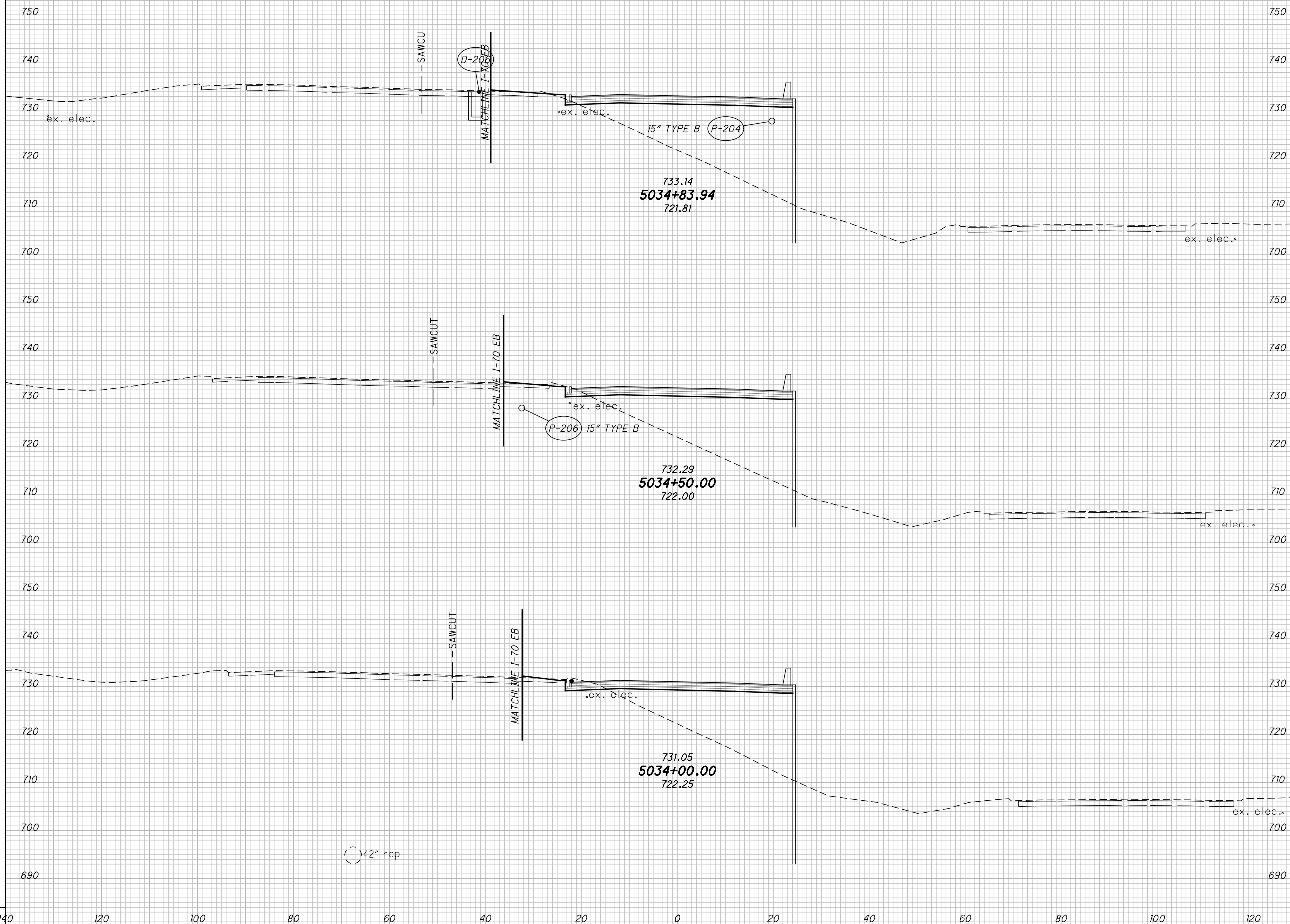
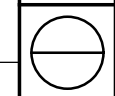
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	CUT	FILL		

CROSS SECTIONS - RAMP C5
STA. 5034+00.00 TO STA. 5034+83.94

FRA -70-12.68



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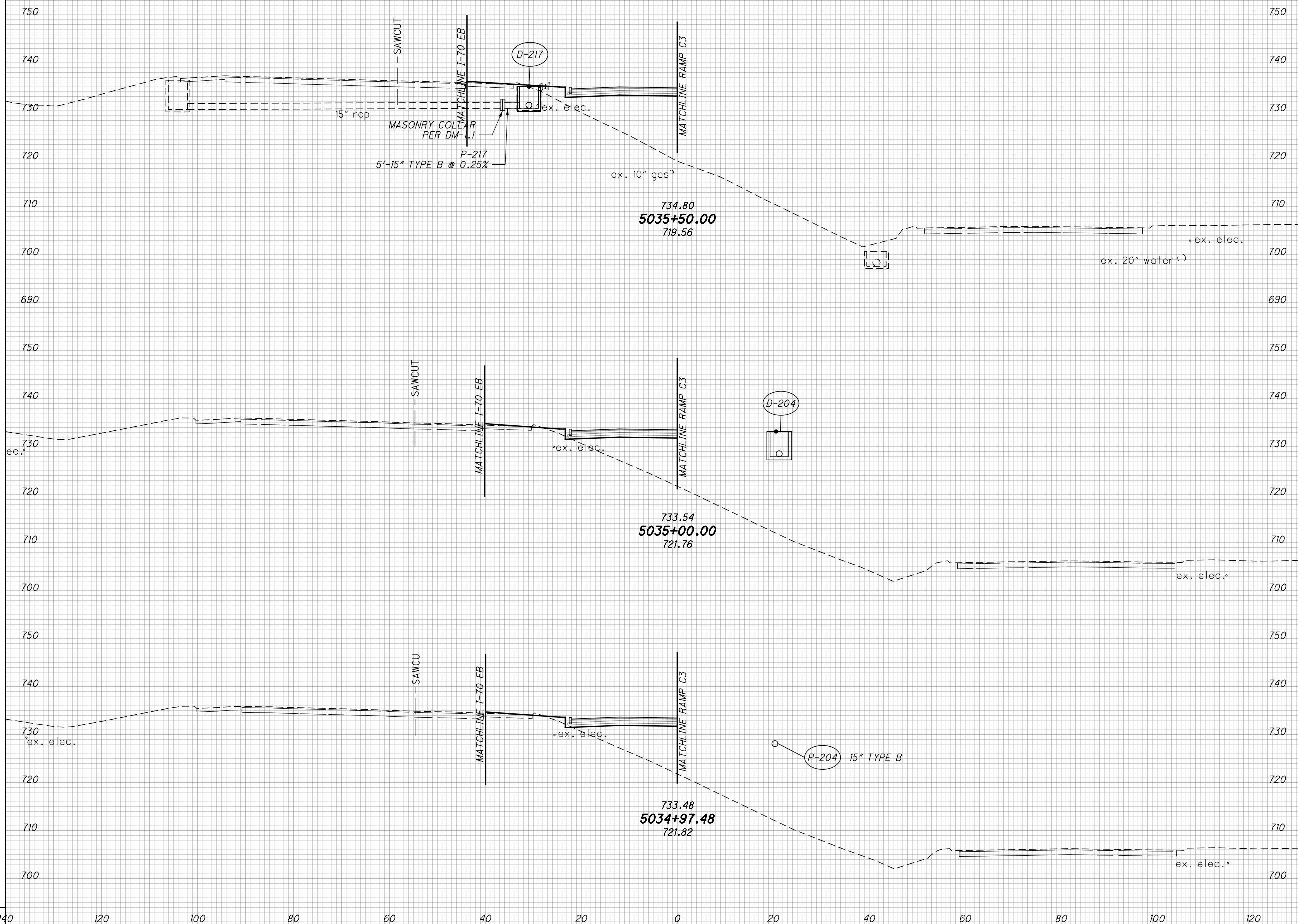
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL		

CROSS SECTIONS - RAMP C5
STA. 5034+97.48 TO STA. 5035+50.00

FRA -70-12.68



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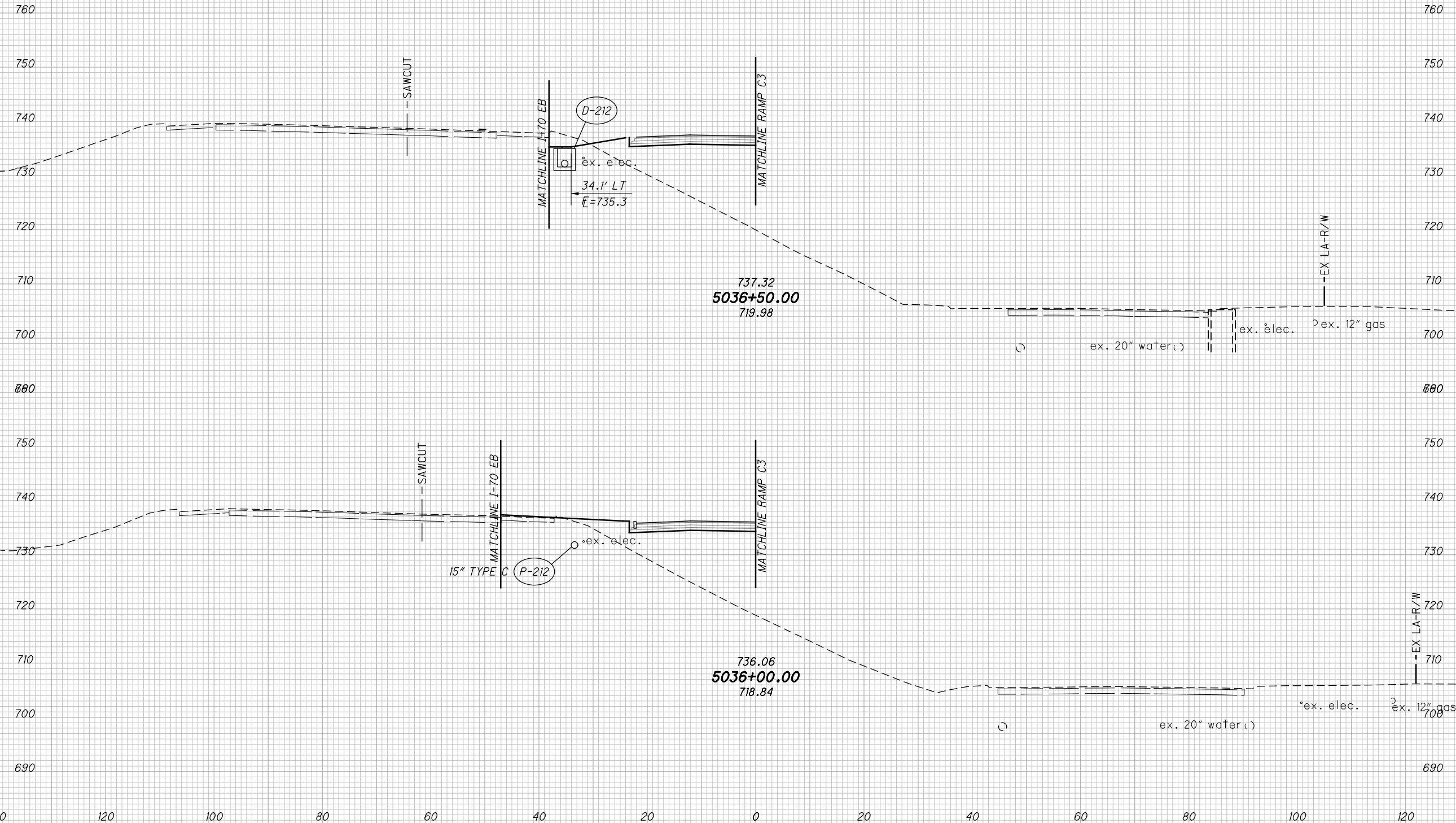
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

VOLUME		CALCULATED		CHECKED
CUT	FILL	CUT	FILL	

CROSS SECTIONS - RAMP C5
STA. 5036+00.00 TO STA. 5036+50.00

FRA-70-12.68



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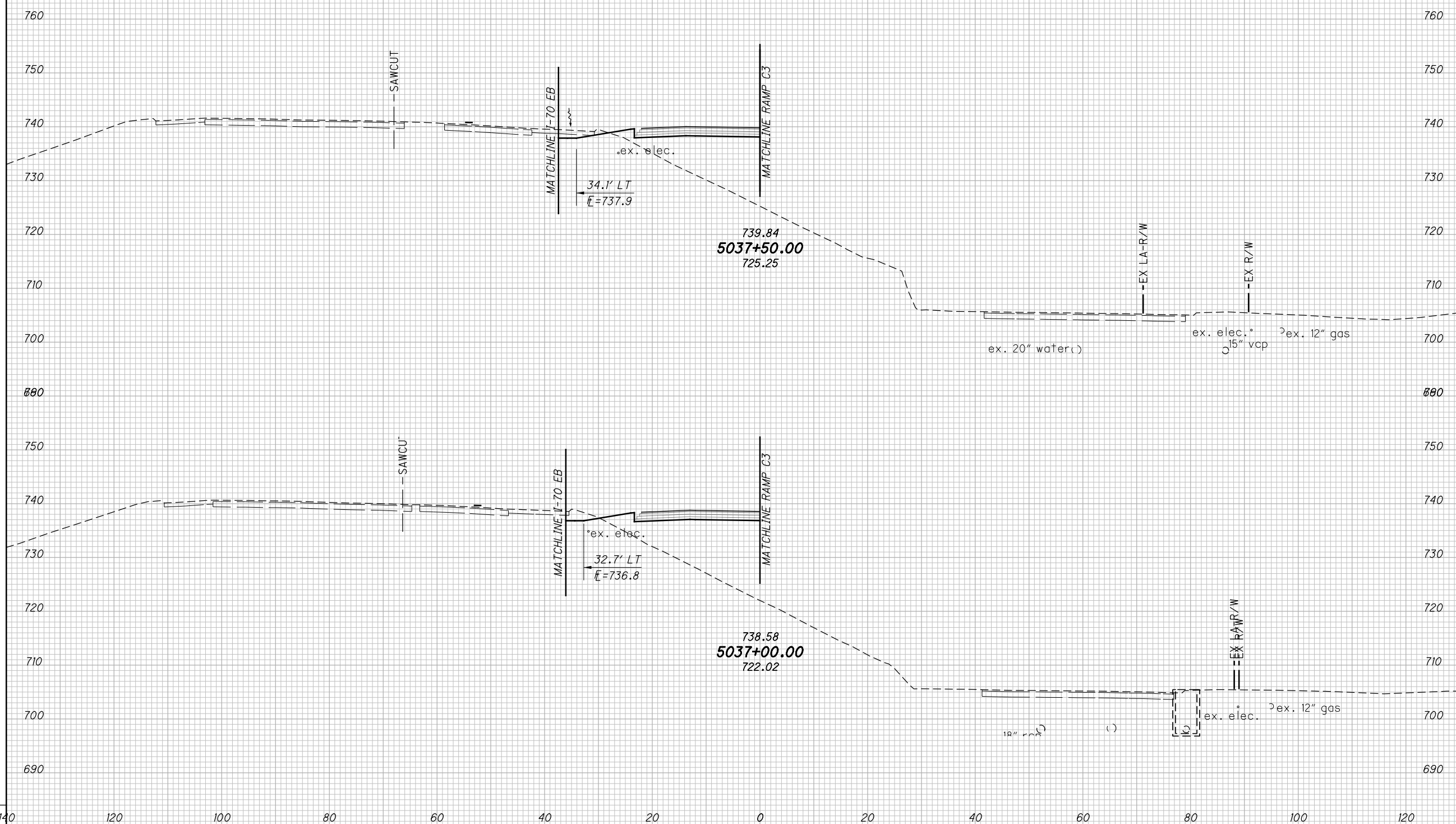
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				



CROSS SECTIONS - RAMP C5
STA. 5037+00.00 TO STA. 5037+50.00

FRA -70-12.68

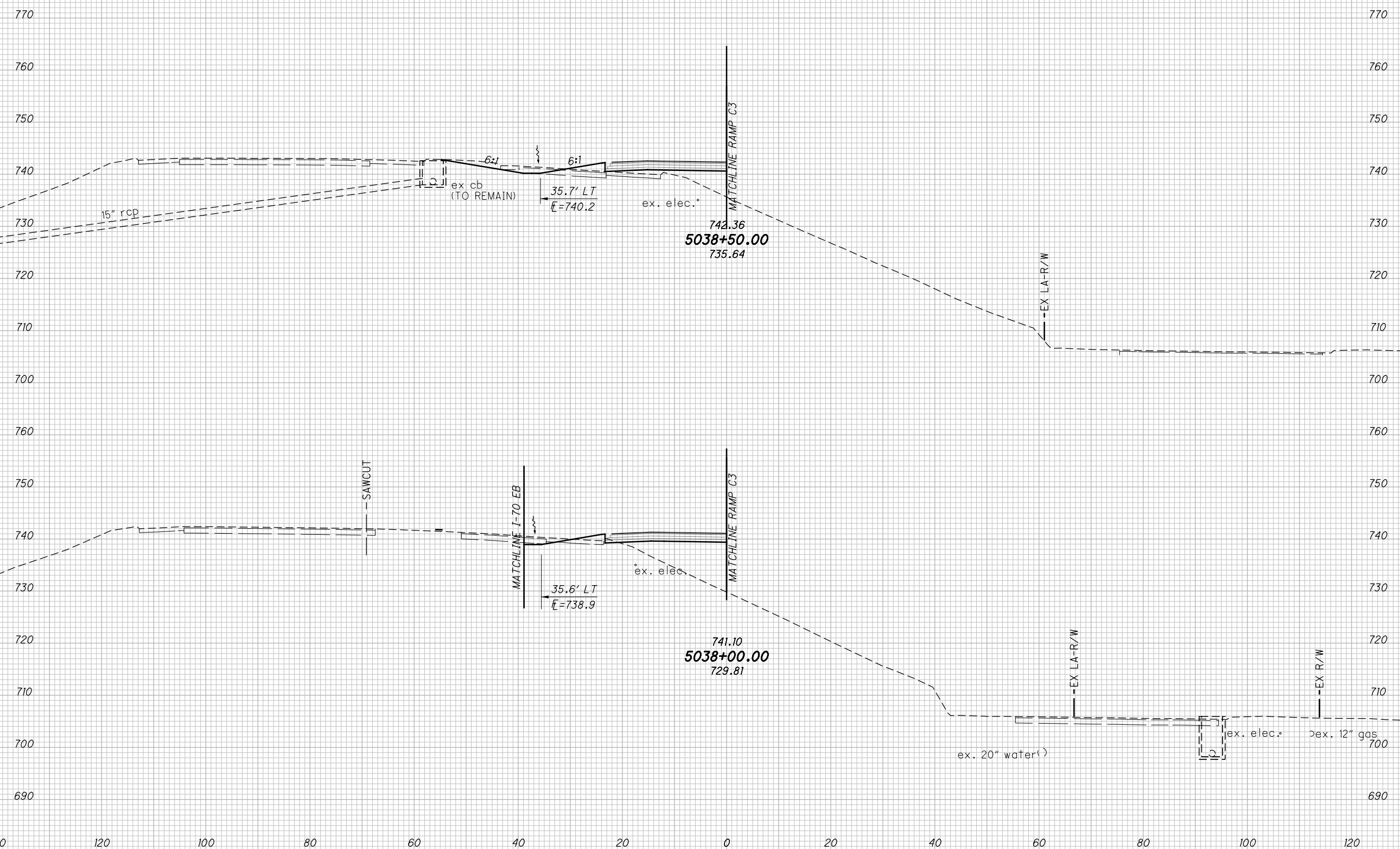


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SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				




CROSS SECTIONS - RAMP C5
STA. 5038+00.00 TO STA. 5038+50.00

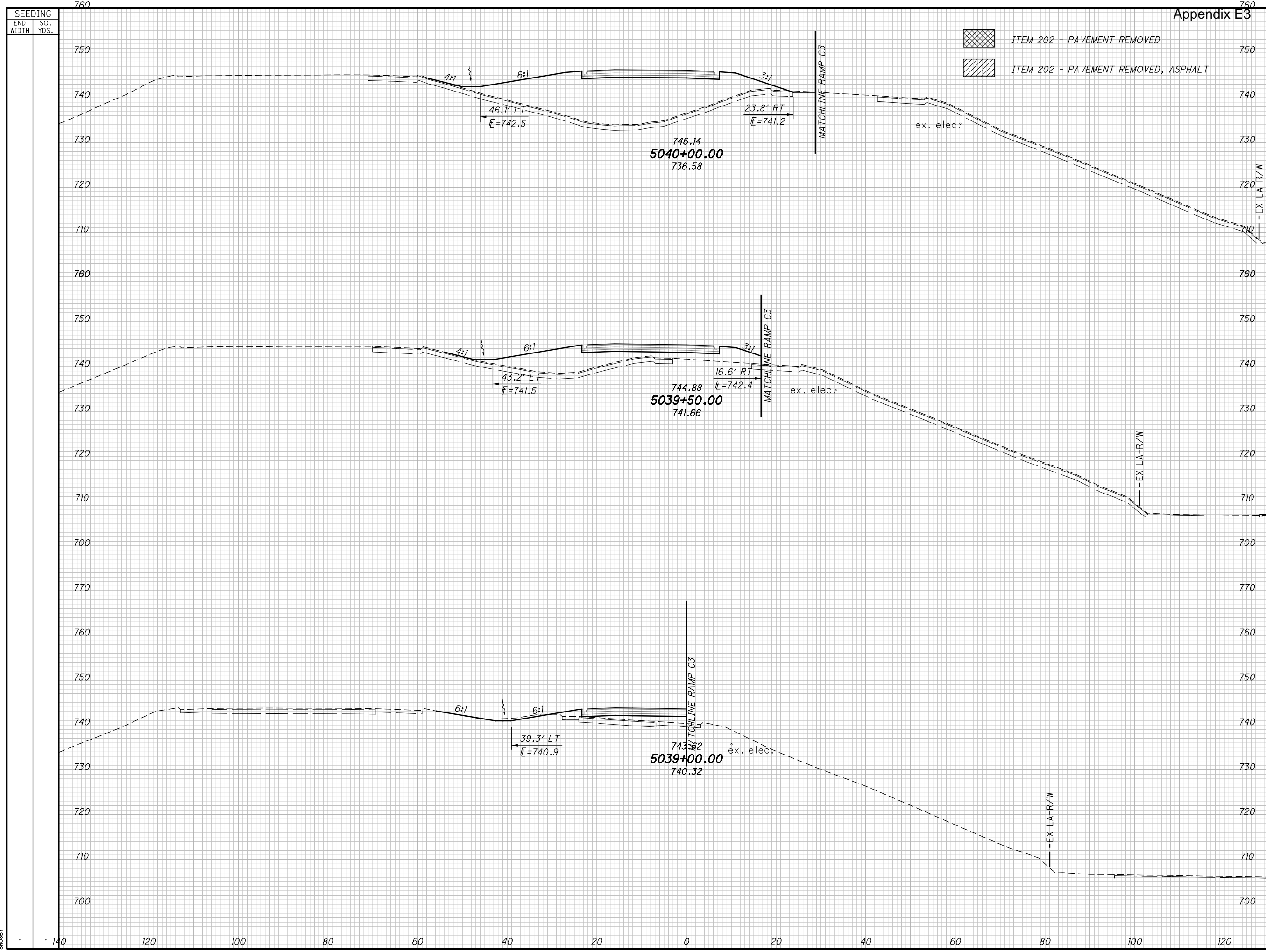
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SEEDING	
END WIDTH	SO. YDS.

VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	CUT	FILL

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT





CROSS SECTIONS - RAMP C5
STA. 5039+00.00 TO STA. 5040+00.00

FRA-70-12.68

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SEEDING	
END WIDTH	SO. YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

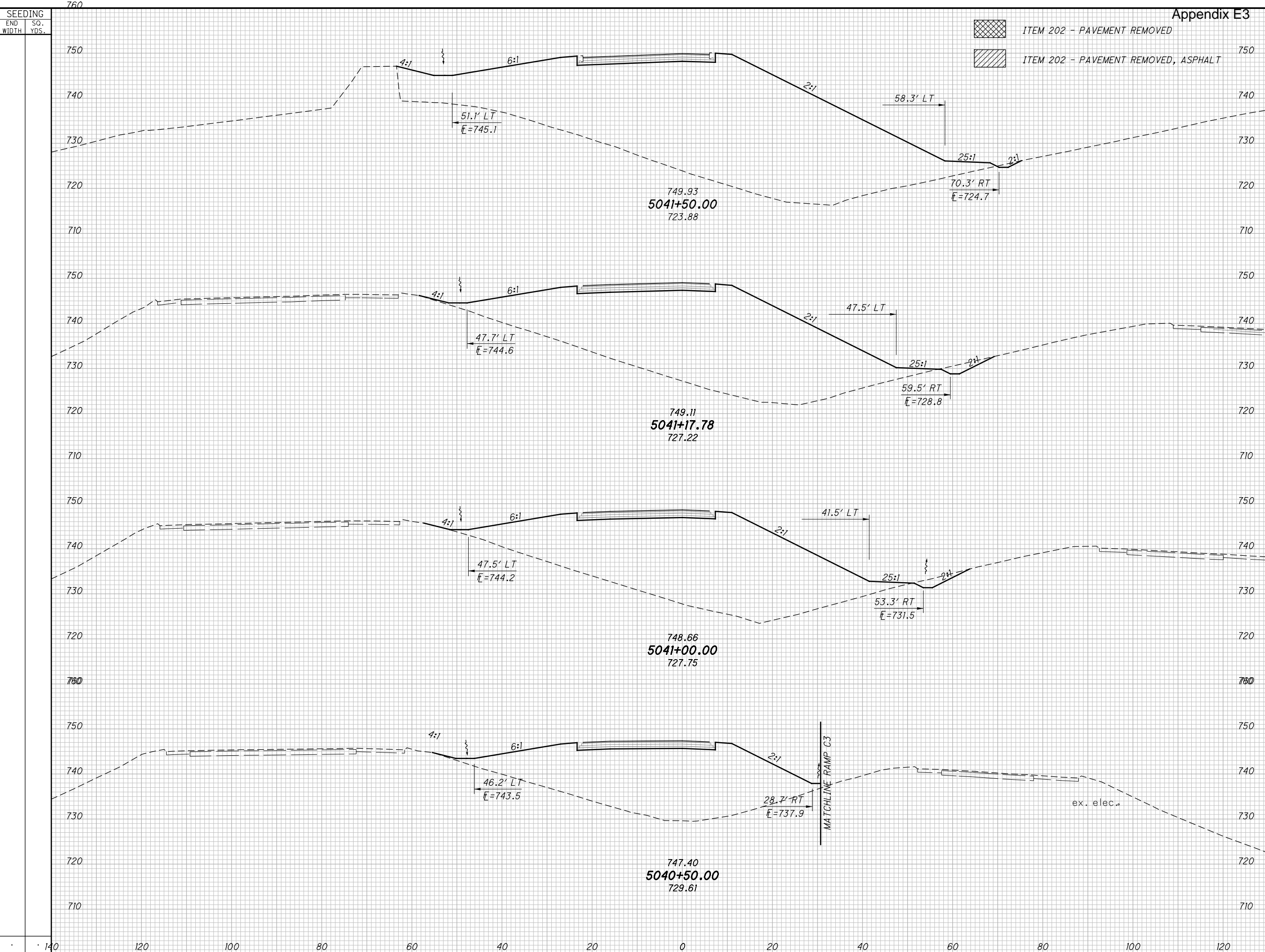
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CUT	FILL	CUT	FILL	CUT	FILL		

CROSS SECTIONS - RAMP C5
STA. 5040+50.00 TO STA. 5041+50.00

FRA-70-12.68



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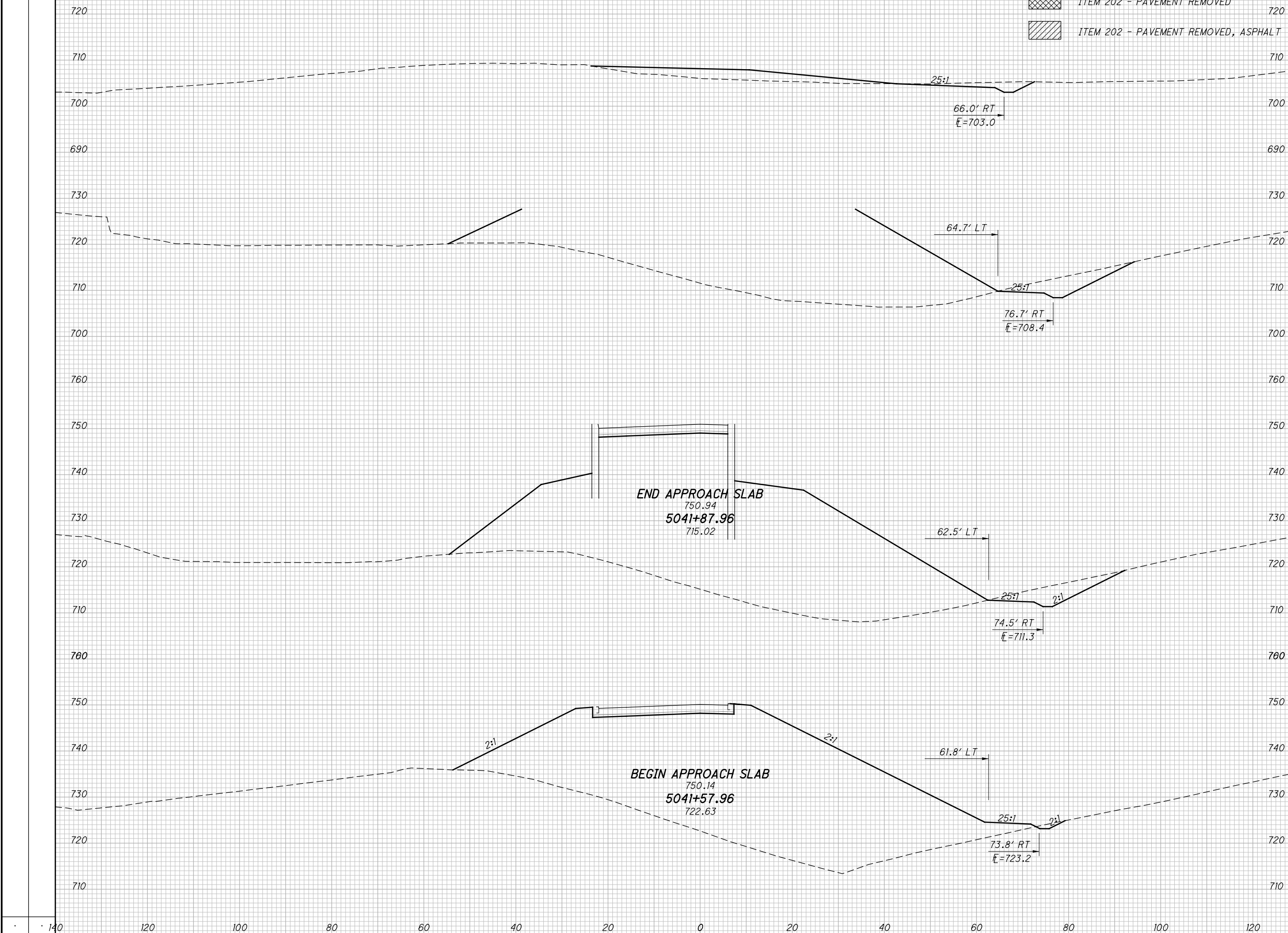


SEEDING
END SO.
WIDTH YDS.

CUT	FILL	CUT	FILL	CALCULATED	CHECKED

ITEM 202 - PAVEMENT REMOVED

ITEM 202 - PAVEMENT REMOVED, ASPHALT



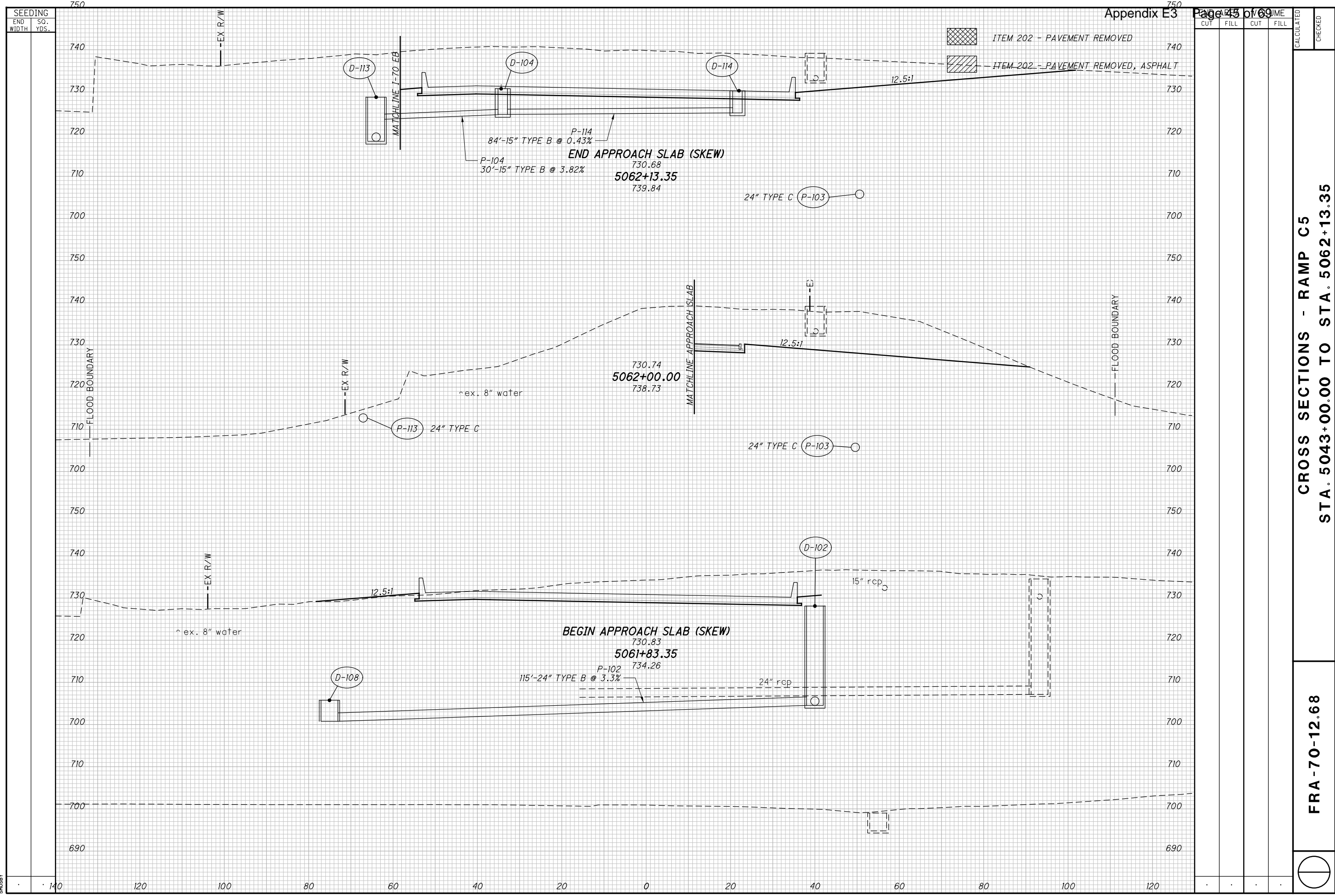
CROSS SECTIONS - RAMP C5
 STA. 5041+57.96 TO STA. 5042+50.00

FRA-70-12.68

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 SMOBY

SEEDING	
END WIDTH	SO. YDS.

VOLUME		CUT		FILL		CHECKED	
CUT	FILL	CUT	FILL	CUT	FILL	CALCULATED	CHECKED



CROSS SECTIONS - RAMP C5
 STA. 5043+00.00 TO STA. 5062+13.35

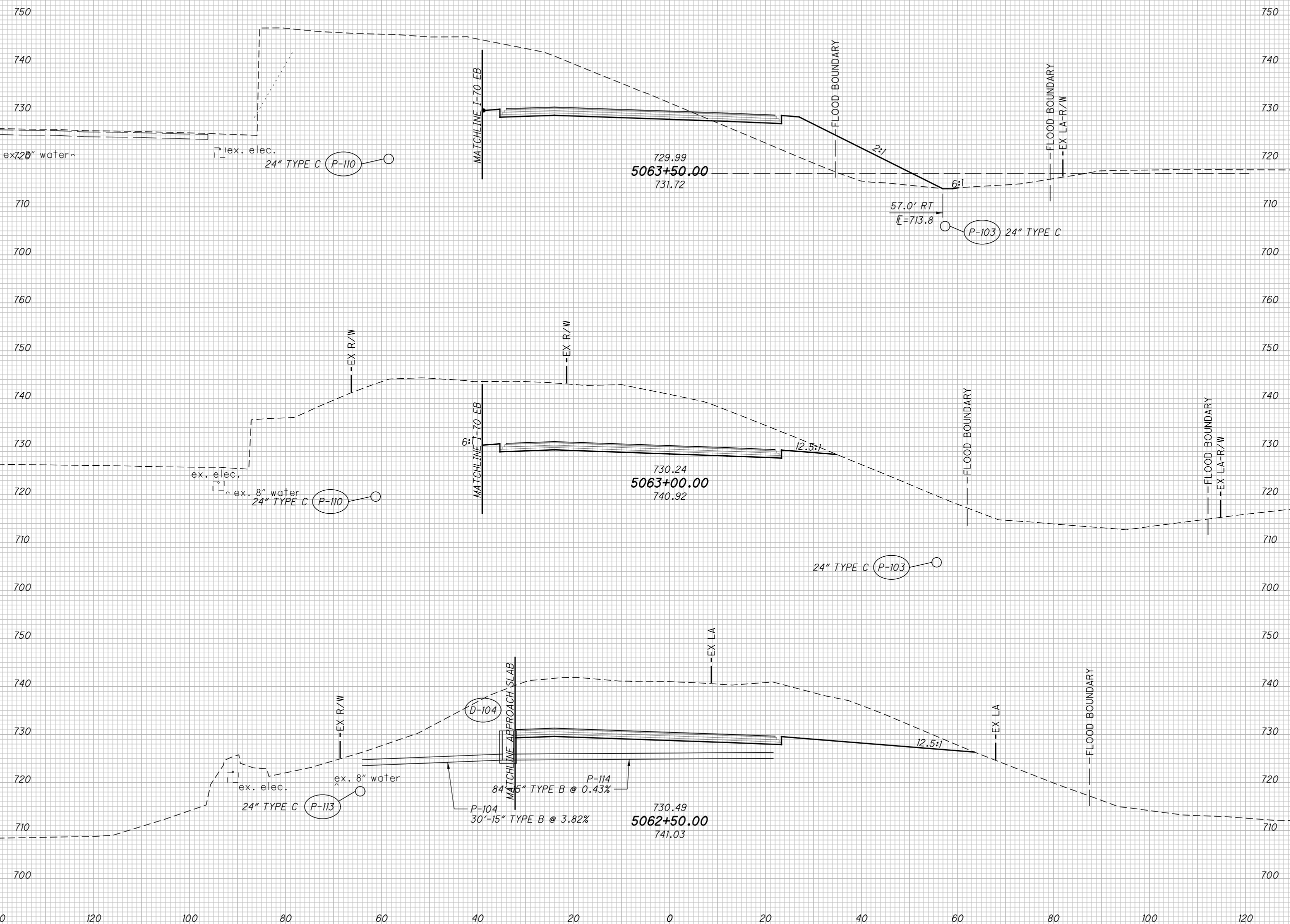
FRA -70-12.68

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 SMOBY

SEEDING	
END WIDTH	SO. YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT	FILL	CUT	FILL	VOLUME	CALCULATED	CHECKED



CROSS SECTIONS - RAMP C5
STA. 5062+50.00 TO STA. 5063+50.00

FRA -70-12.68

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SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

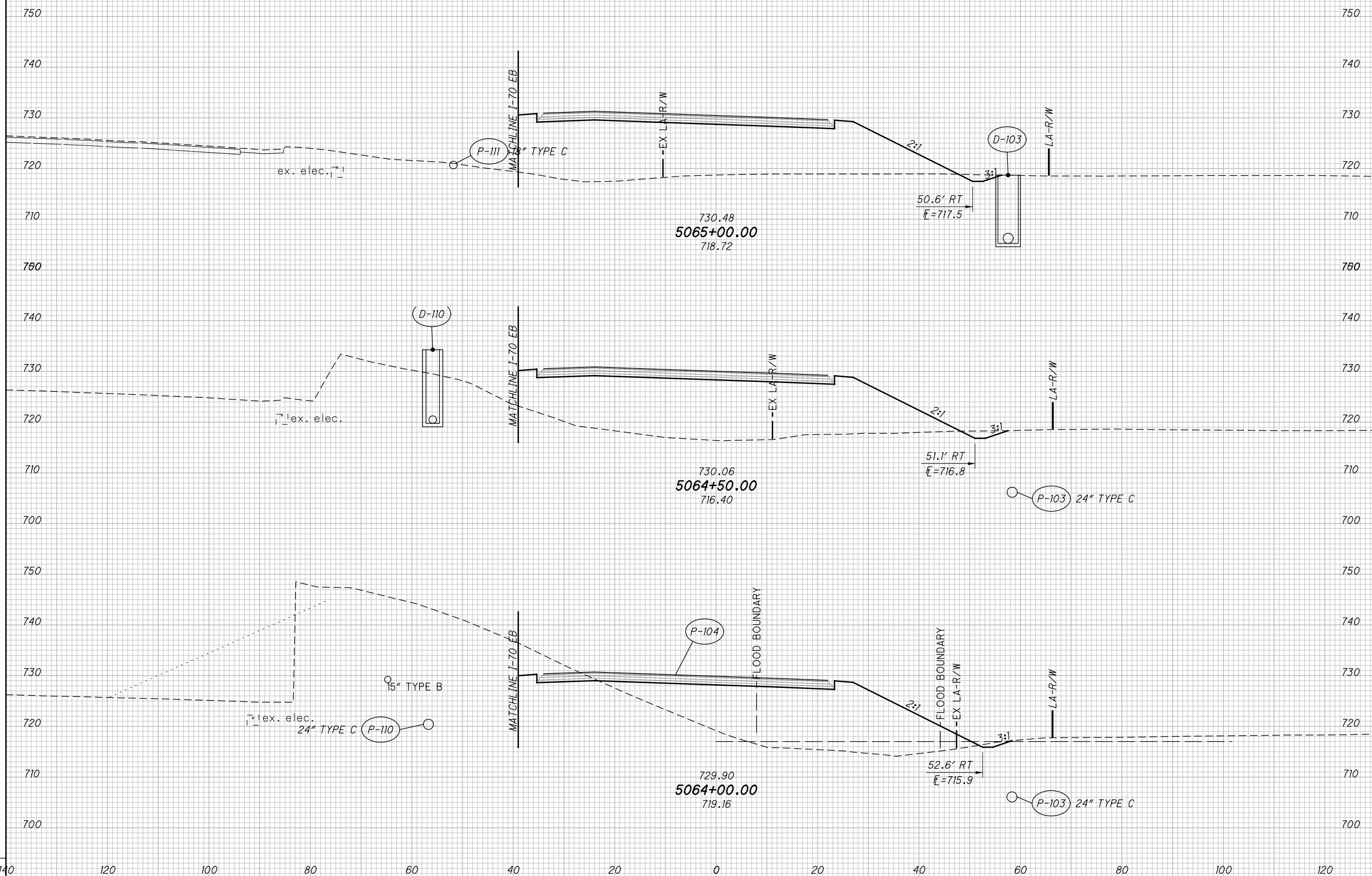
VOLUME		CALCULATED	CHECKED
CUT	FILL		

CROSS SECTIONS - RAMP C5
STA. 5064+00.00 TO STA. 5065+00.00

FRA -70-12.68



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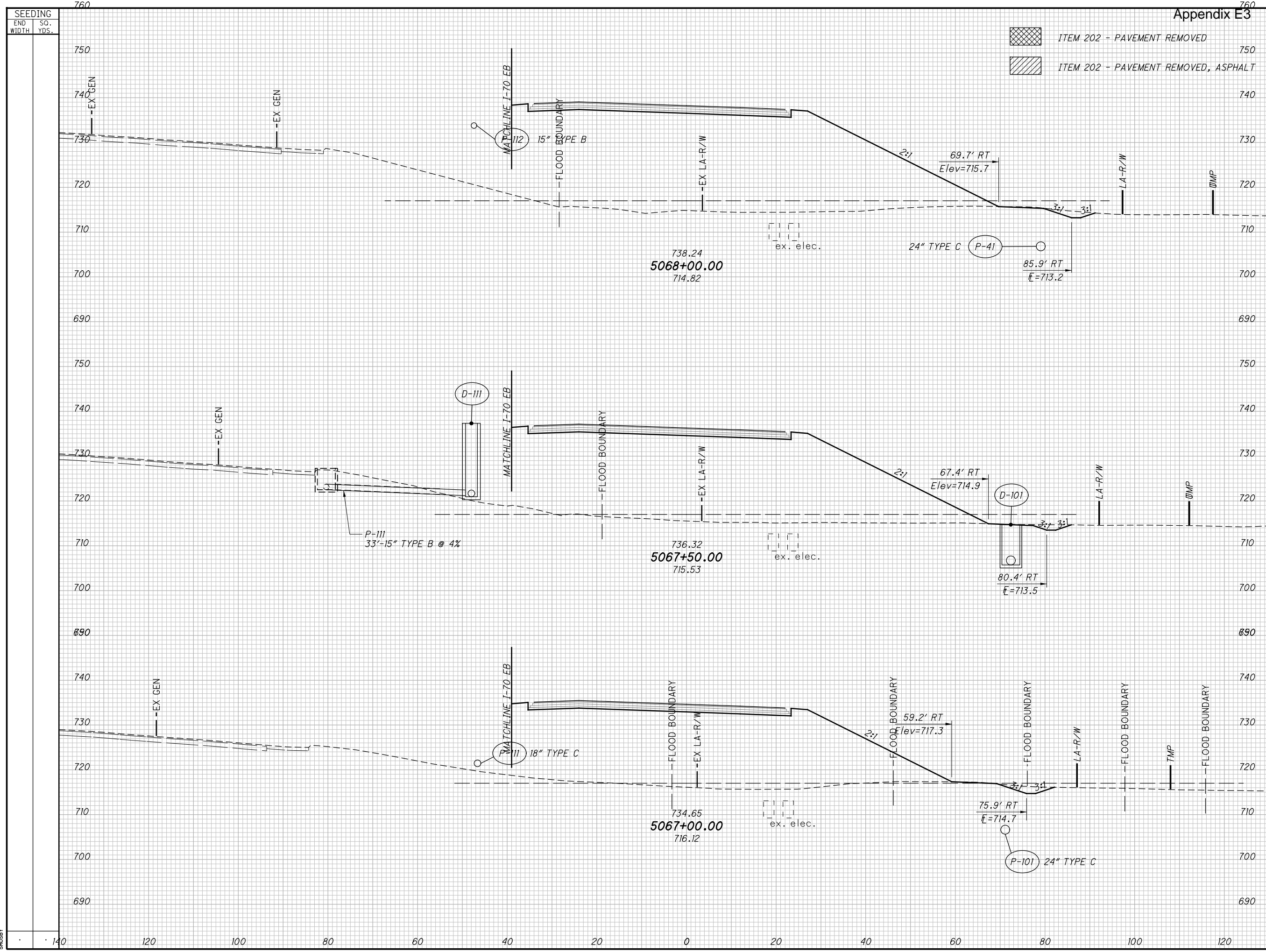


SEEDING	
END WIDTH	SO. YDS.

VOLUME	
CUT	FILL

CALCULATED	CHECKED

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT



CROSS SECTIONS - RAMP C5
 STA. 5067+00.00 TO STA. 5068+00.00

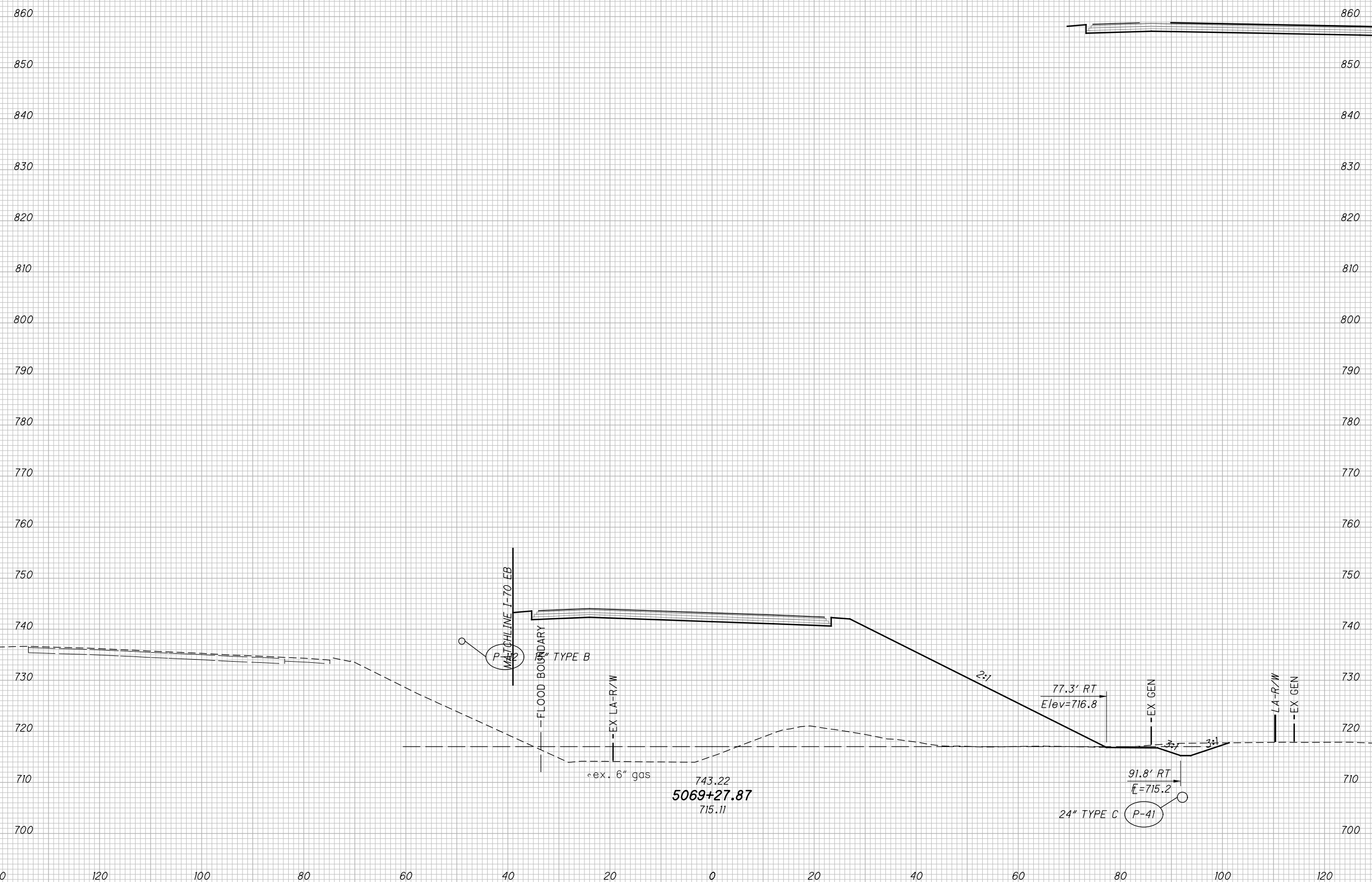
FRA-70-12.68

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 12/16/2014
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 SMOBSY

SEEDING
END SO.
WIDTH YDS.

CUT	FILL	CUT	FILL	CALCULATED	CHECKED

ITEM 202 - PAVEMENT REMOVED
ITEM 202 - PAVEMENT REMOVED, ASPHALT



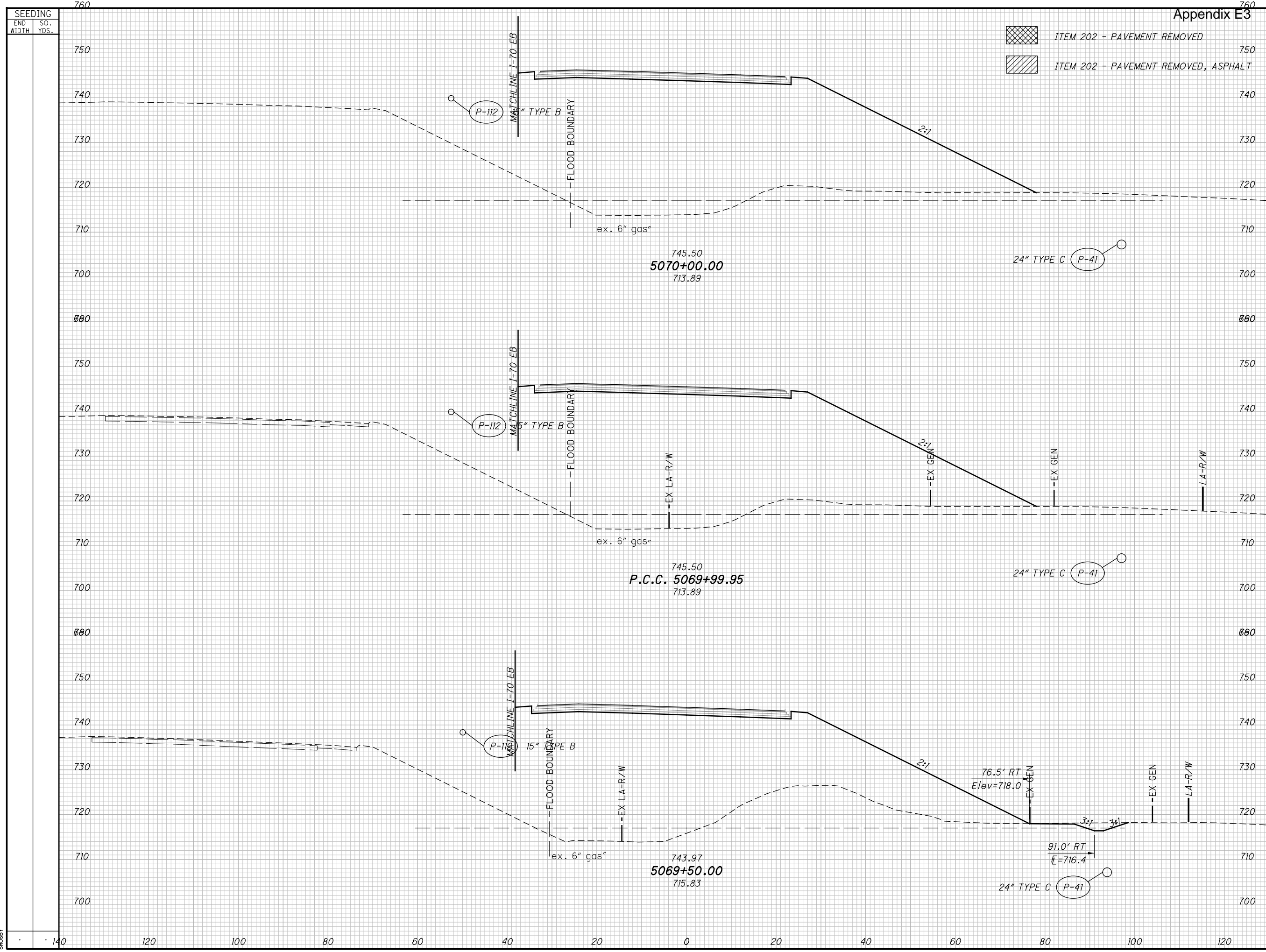
CROSS SECTIONS - RAMP C5
STA. 5069+27.87

FRA -70-12.68

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 12/16/2014
 11:25:11 PM
 SMOBBY

SEEDING	
END WIDTH	SO. YDS.

VOLUME		CALCULATED	CHECKED
CUT	FILL		



- ITEM 202 - PAVEMENT REMOVED
- ITEM 202 - PAVEMENT REMOVED, ASPHALT

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 11:25:12 PM
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CROSS SECTIONS - RAMP C5
STA. 5069+50.00 TO STA. 5070+00.00

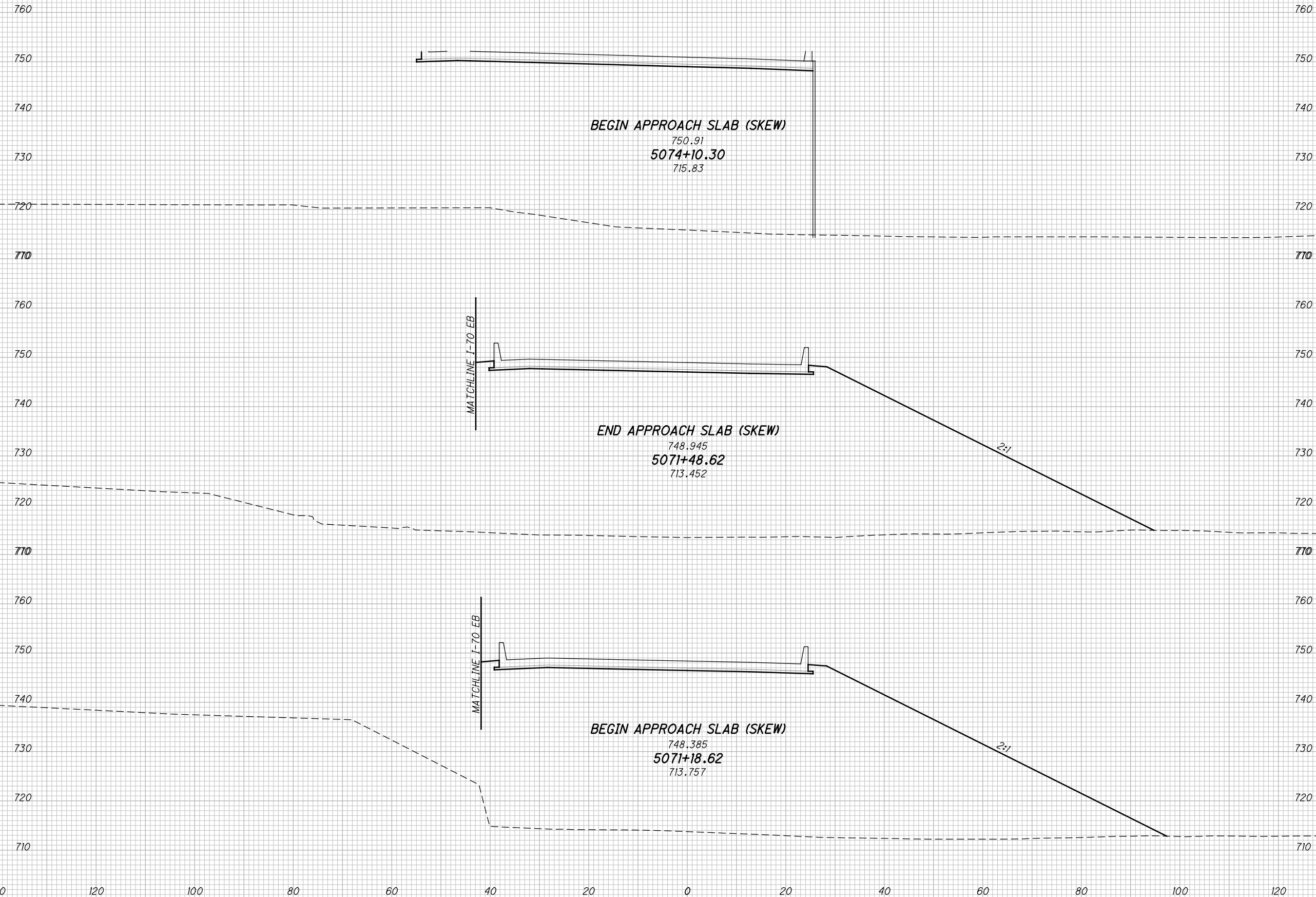
FRA-70-12.68



SEEDING
END SO.
WIDTH YDS.

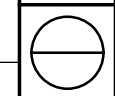
CUT FILL CUT FILL
CALCULATED CHECKED

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT





CROSS SECTIONS - RAMP C5
STA. 5071+18.62 TO STA. 5074+10.30

FRA - 70 - 12.68

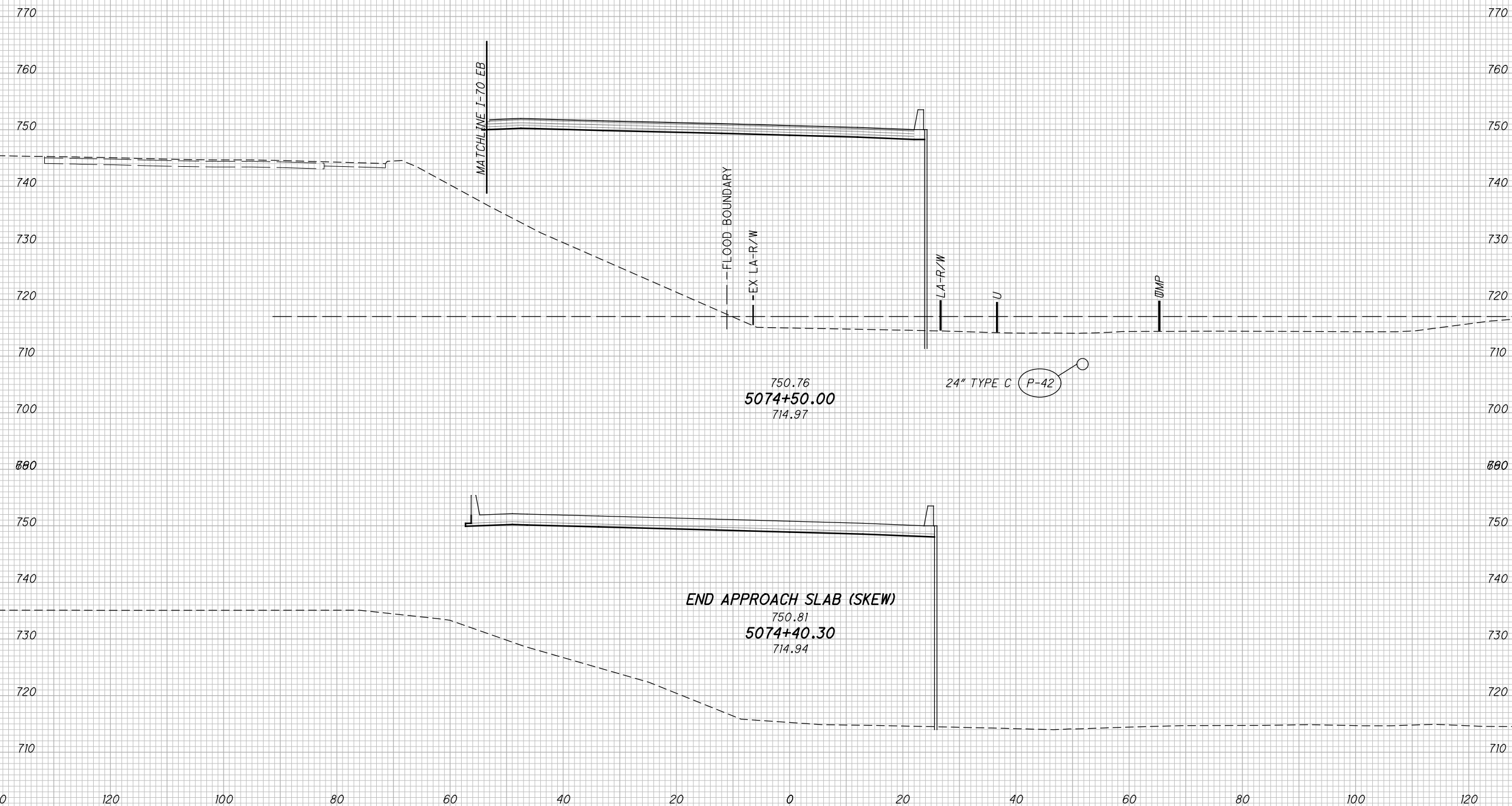


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SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

VOLUME		CALCULATED		CHECKED
CUT	FILL	CUT	FILL	
CROSS SECTIONS - RAMP C5				
STA. 5074+40.30 TO STA. 5074+50.00				
FRA - 70 - 12.68				





750.76
5074+50.00
714.97

END APPROACH SLAB (SKEW)
750.81
5074+40.30
714.94

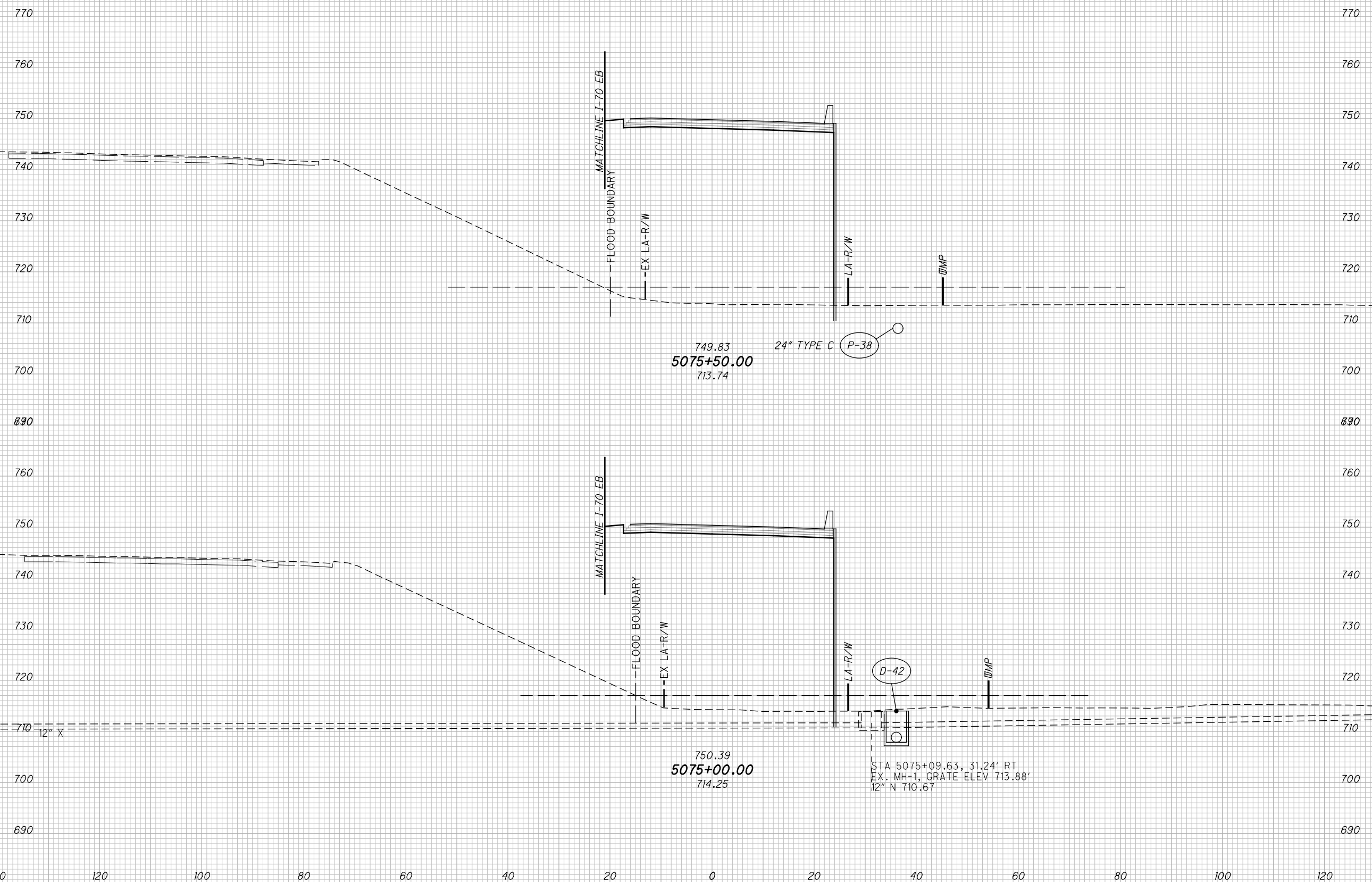
24" TYPE C (P-42)

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SEEDING
END SO.
WIDTH YDS.



-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

VOLUME		CALCULATED		CHECKED
CUT	FILL	CUT	FILL	
CROSS SECTIONS - RAMP C5				
STA. 5075+00.00 TO STA. 5075+50.00				
FRA - 70 - 12.68				



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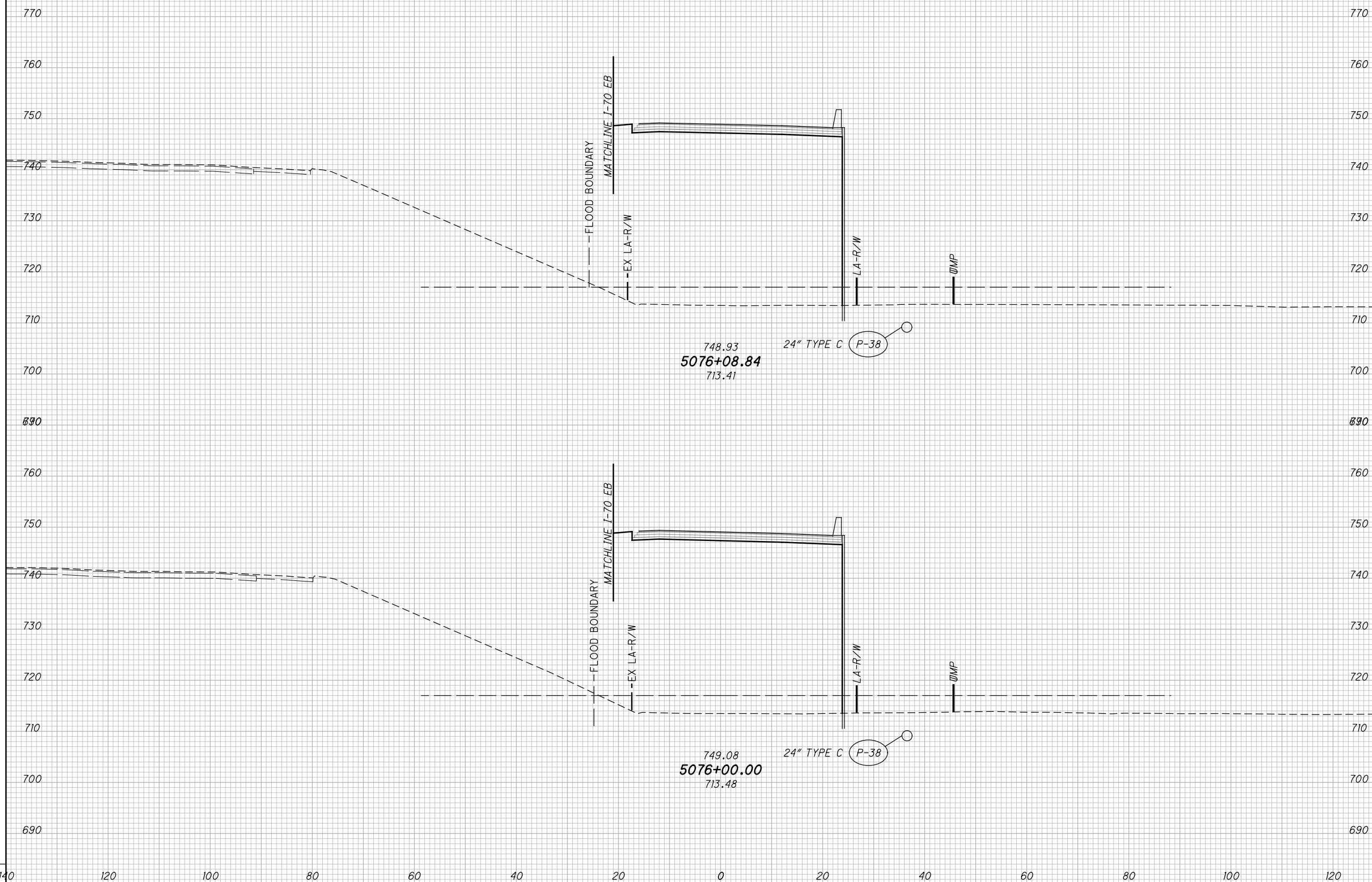
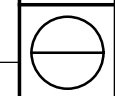
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				

CROSS SECTIONS - RAMP C5
STA. 5076+00.00 TO STA. 5076+08.84

FRA - 70 - 12.68



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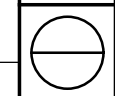
SEEDING
END SO.
WIDTH YDS.

ITEM 202 - PAVEMENT REMOVED
ITEM 202 - PAVEMENT REMOVED, ASPHALT

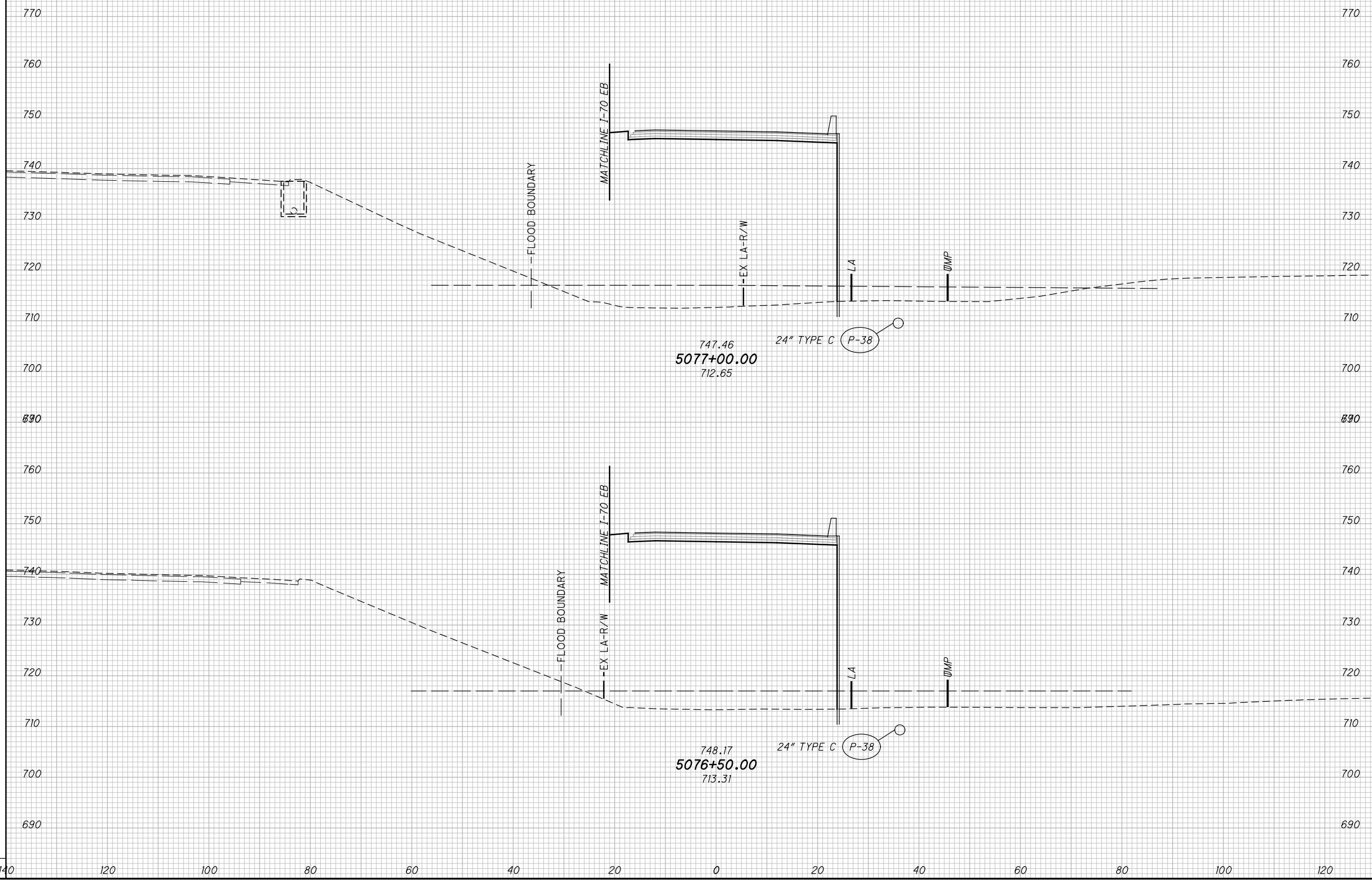
CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				

CROSS SECTIONS - RAMP C5
STA. 5076+50.00 TO STA. 5077+00.00

FRA - 70 - 12.68





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140 120 100 80 60 40 20 0 20 40 60 80 100 120

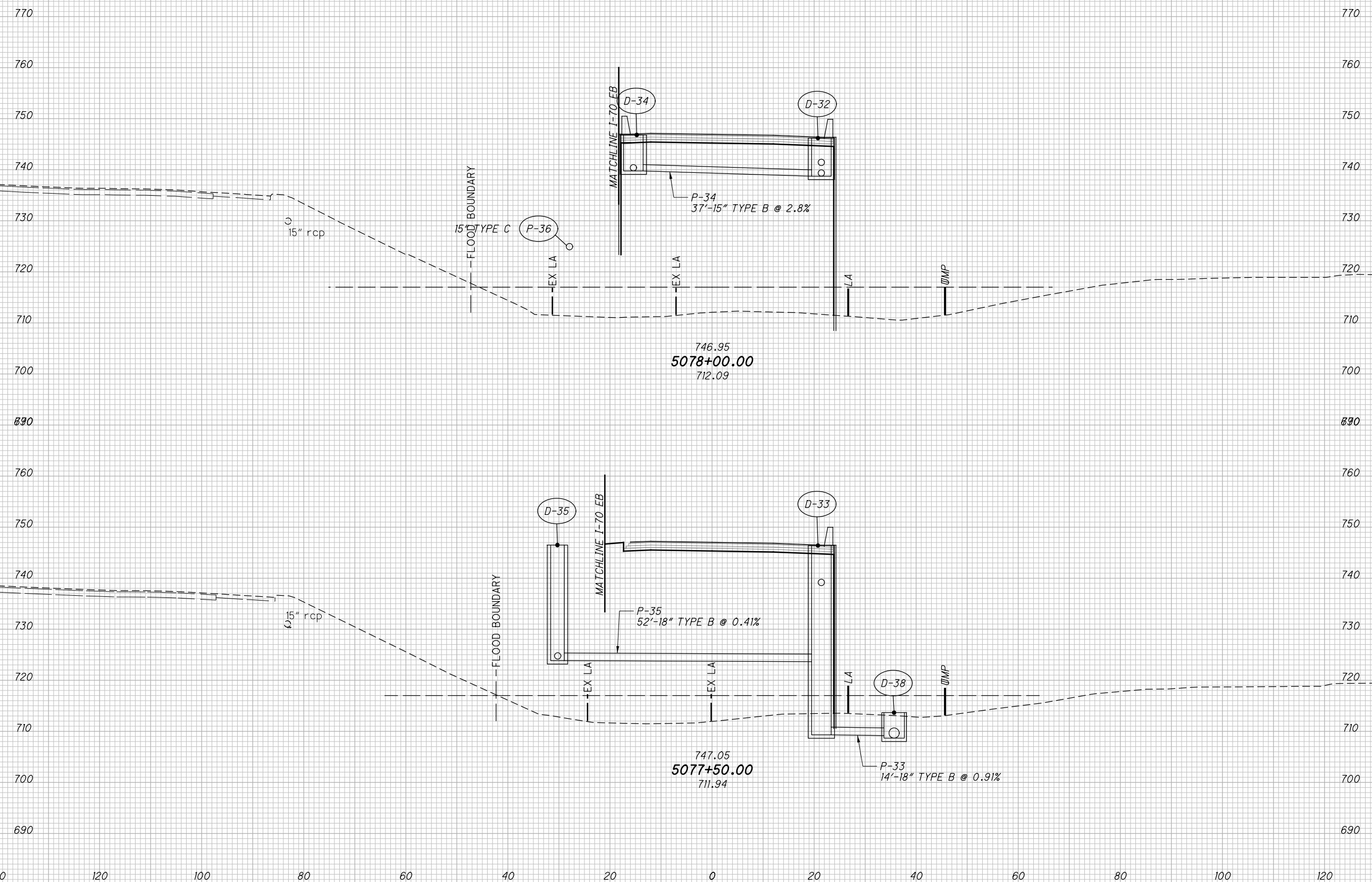
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				



CROSS SECTIONS - RAMP C5
STA. 5077+50.00 TO STA. 5078+00.00

FRA - 70 - 12.68



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SMC/SBY

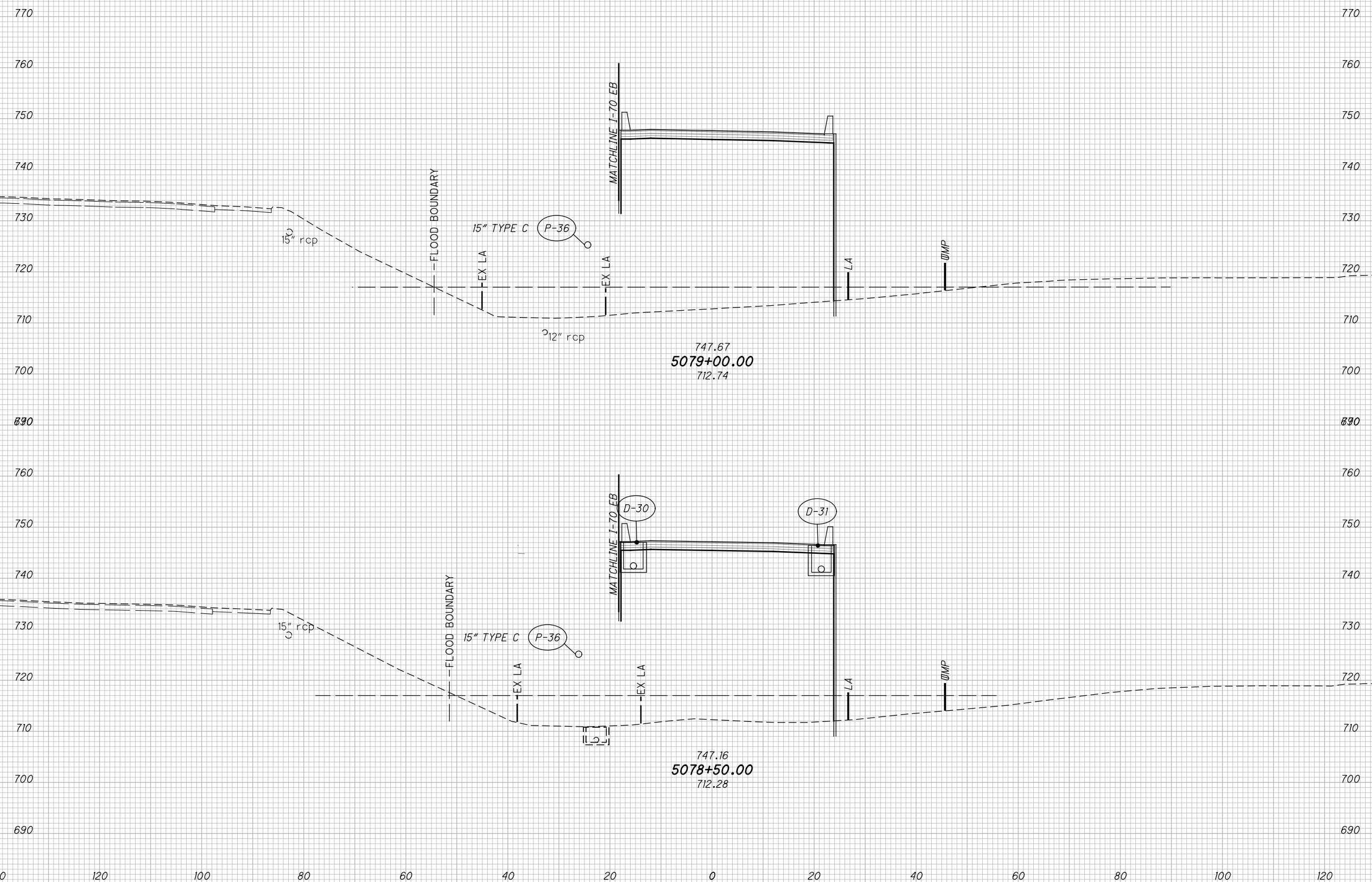
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				



CROSS SECTIONS - RAMP C5
STA. 5078+50.00 TO STA. 5079+00.00

FRA - 70 - 12.68



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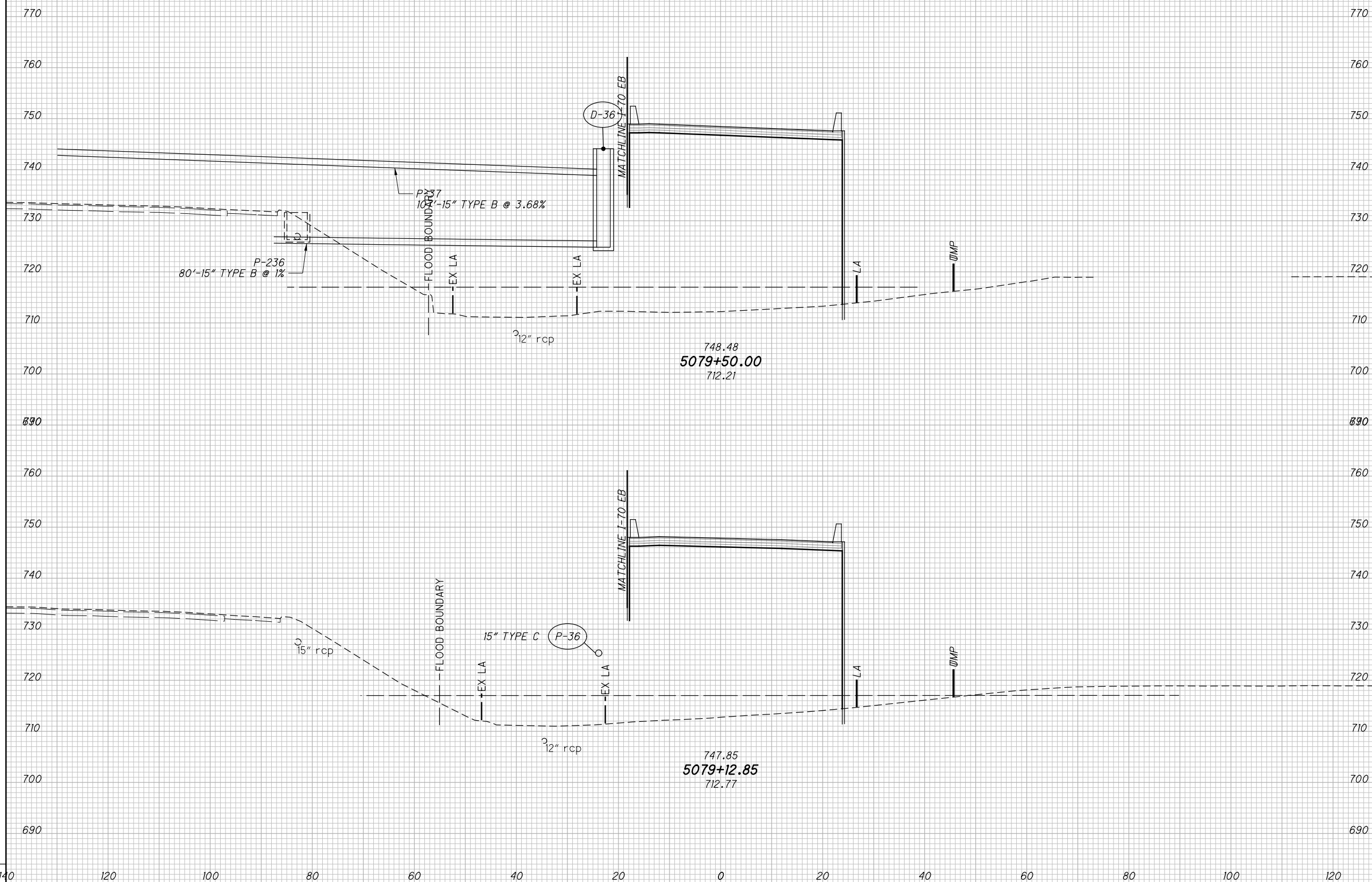
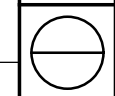
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				

CROSS SECTIONS - RAMP C5
STA. 5079+12.85 TO STA. 5079+50.00

FRA - 70-12.68

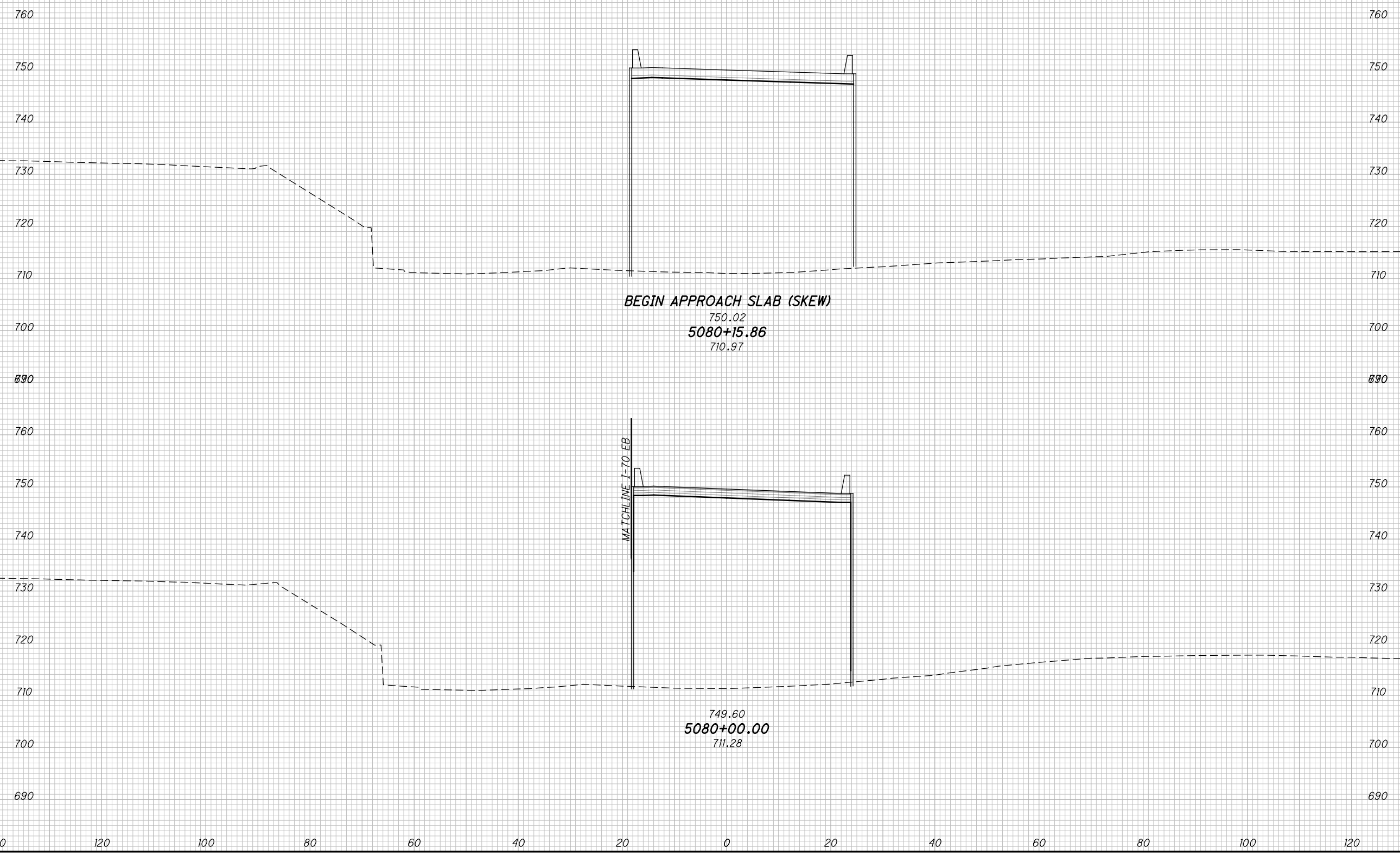


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SMC/BSY

SEEDING
END SO.
WIDTH YDS.



ITEM 202 - PAVEMENT REMOVED
ITEM 202 - PAVEMENT REMOVED, ASPHALT

VOLUME		CHECKED	
CUT	FILL	CUT	FILL
CALCULATED			
CHECKED			
CROSS SECTIONS - RAMP C5 STA. 5080+00.00 TO STA. 5080+15.86			
FRA - 70 - 12.68			

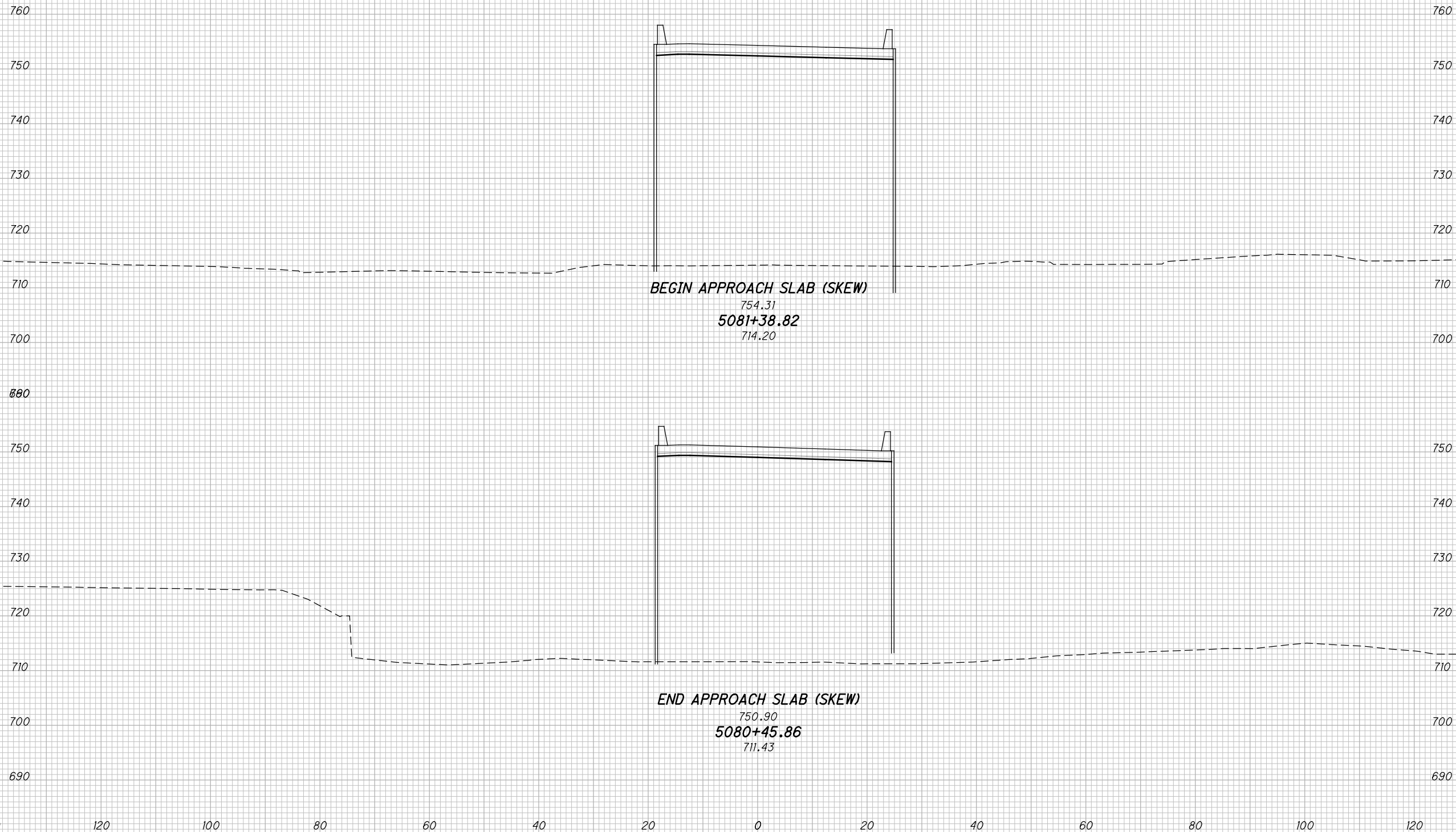


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SEEDING
END SO.
WIDTH YDS.



-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

VOLUME		CUT		FILL		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	CUT	FILL		
CROSS SECTIONS - RAMP C5							
STA. 5080+45.86 TO STA. 5081+38.82							
FRA - 70 - 12.68							



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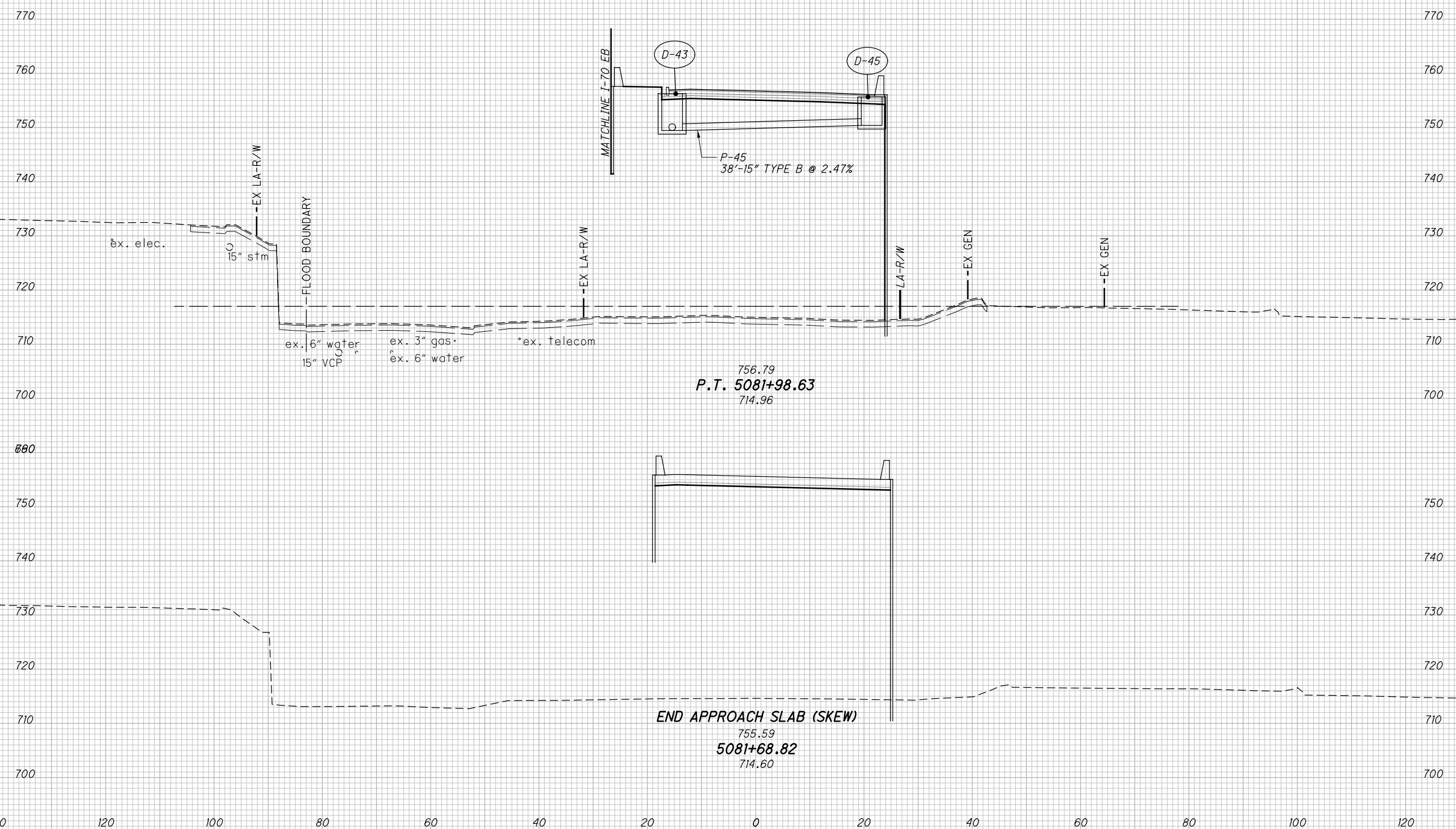
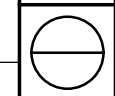
SEEDING
END SO.
WIDTH YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				

CROSS SECTIONS - RAMP C5
STA. 5081+68.82 TO STA. 5081+98.63

FRA -70-12.68



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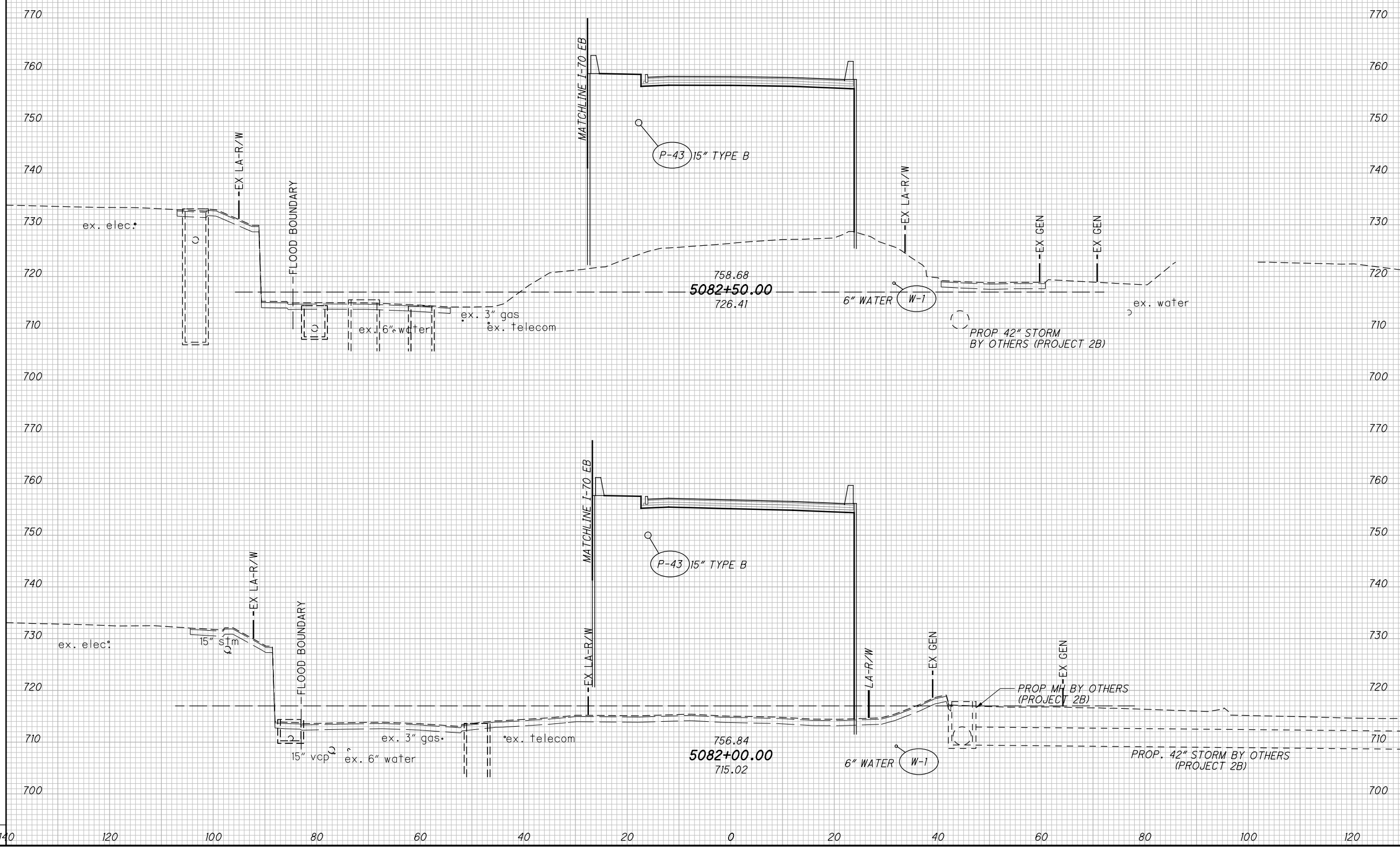
SEEDING	
END WIDTH	SO. YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

CUT	FILL	CUT	FILL	VOLUME	CALCULATED	CHECKED



CROSS SECTIONS - RAMP C5
STA. 5082+00.00 TO STA. 5082+50.00

FRA -70-12.68



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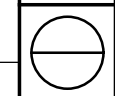
SEEDING	
END WIDTH	SO. YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

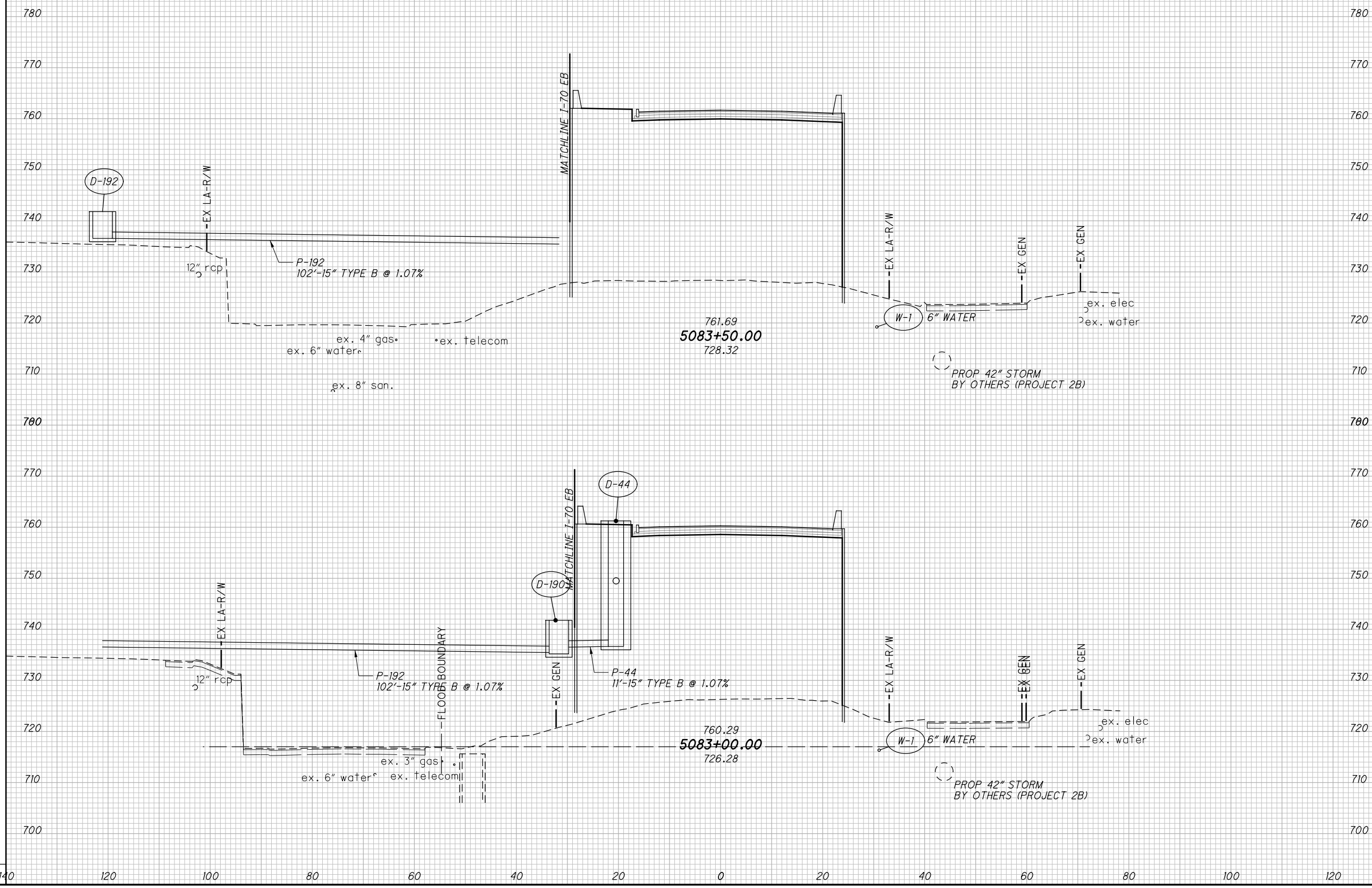
CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				

CROSS SECTIONS - RAMP C5
STA. 5083+00.00 TO STA. 5083+50.00

FRA -70-12.68





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761.69
5083+50.00
728.32

760.29
5083+00.00
726.28

SEEDING	
END WIDTH	SO. YDS.

-  ITEM 202 - PAVEMENT REMOVED
-  ITEM 202 - PAVEMENT REMOVED, ASPHALT

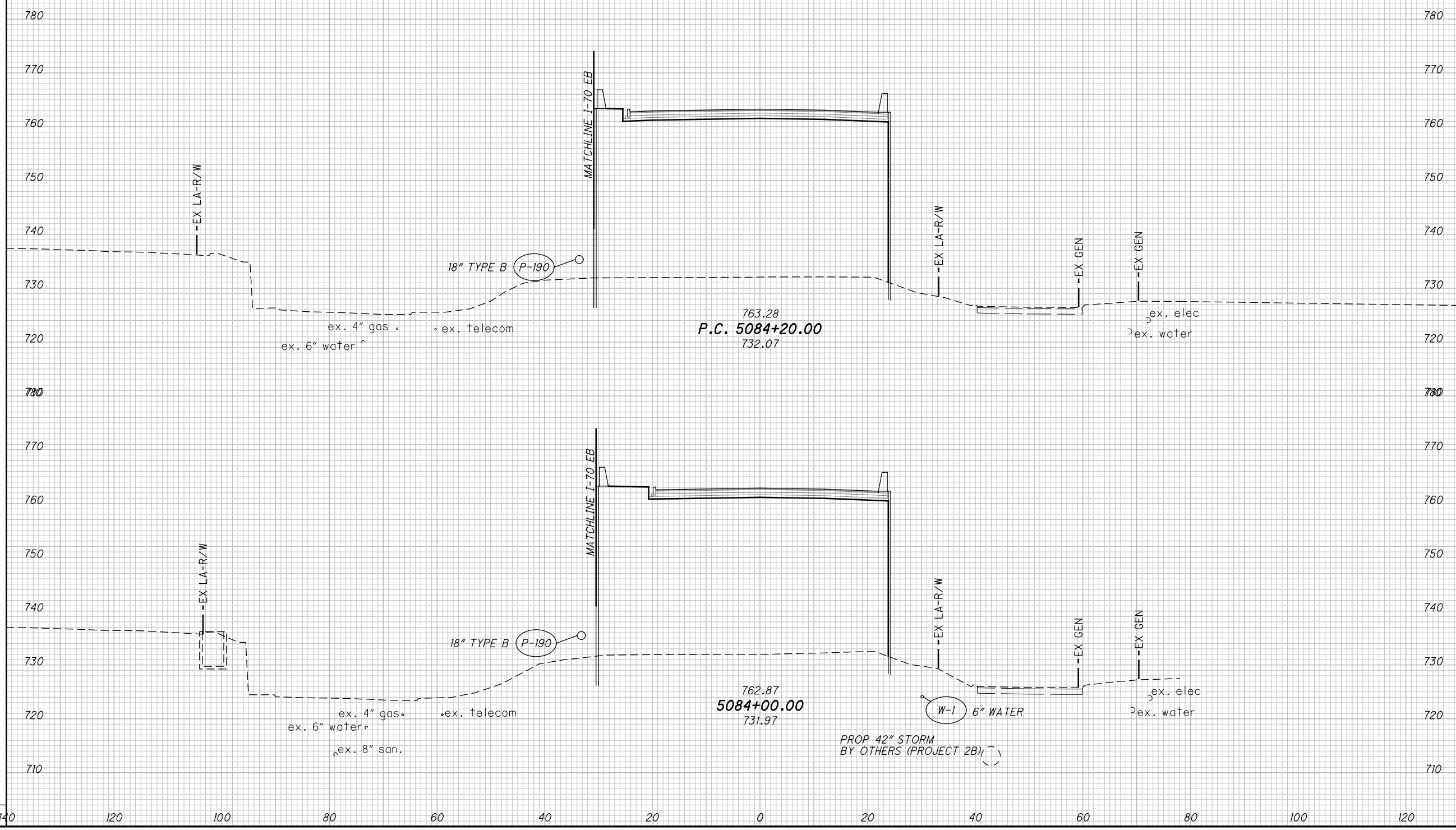
CUT		FILL		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL				

CROSS SECTIONS - RAMP C5
STA. 5084+00.00 TO STA. 5084+20.00

FRA -70-12.68



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SMC/BSY



763.28
P.C. 5084+20.00
732.07

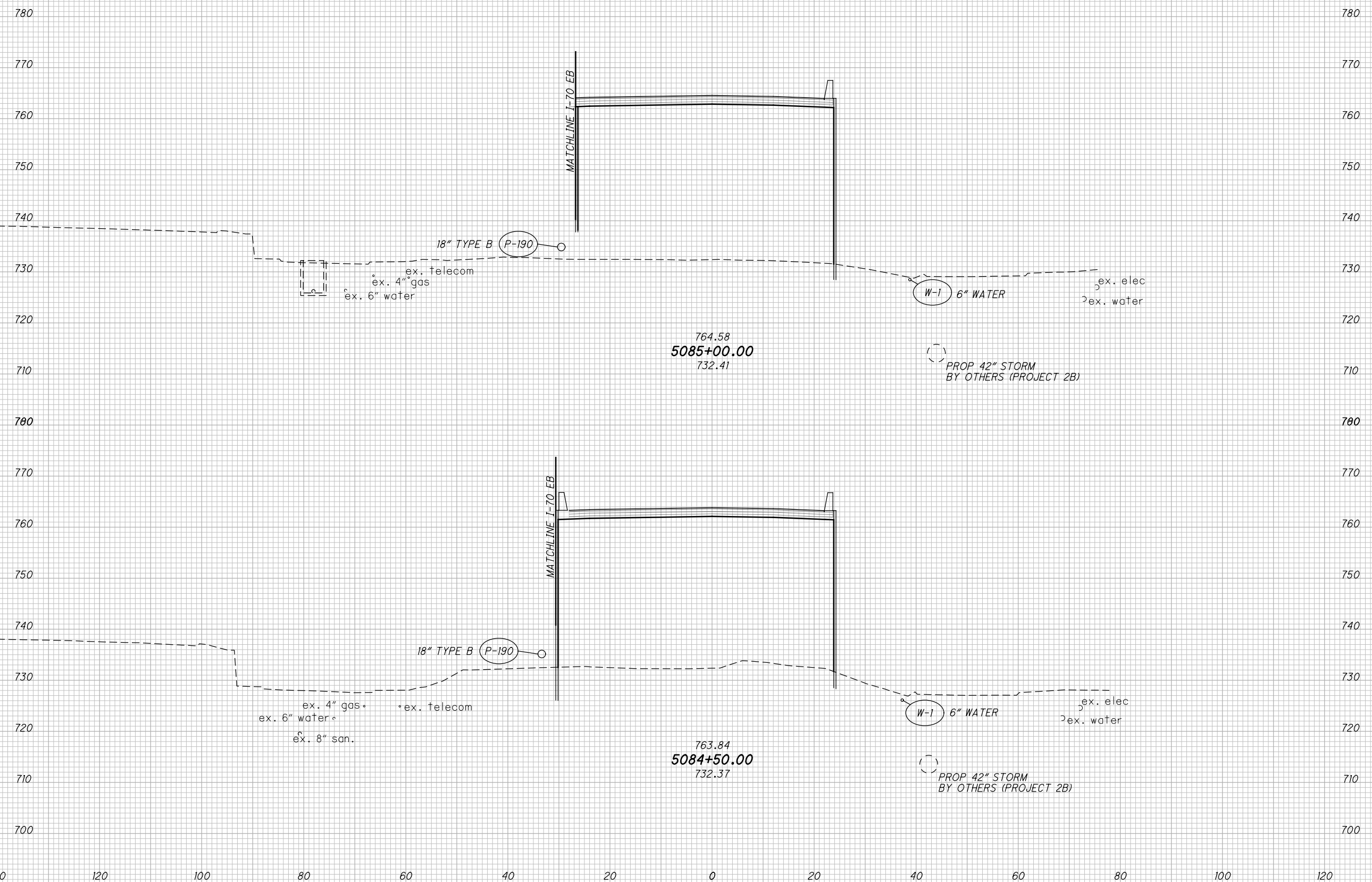
762.87
5084+00.00
731.97

PROP 42" STORM
BY OTHERS (PROJECT 2B)

W-1 6" WATER

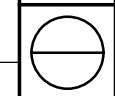
SEEDING
END SO.
WIDTH YDS.

VOLUME		CHECKED	
CUT	FILL	CUT	FILL



CROSS SECTIONS - RAMP C5
STA. 5084+50.00 TO STA. 5085+00.00

FRA-70-12.68

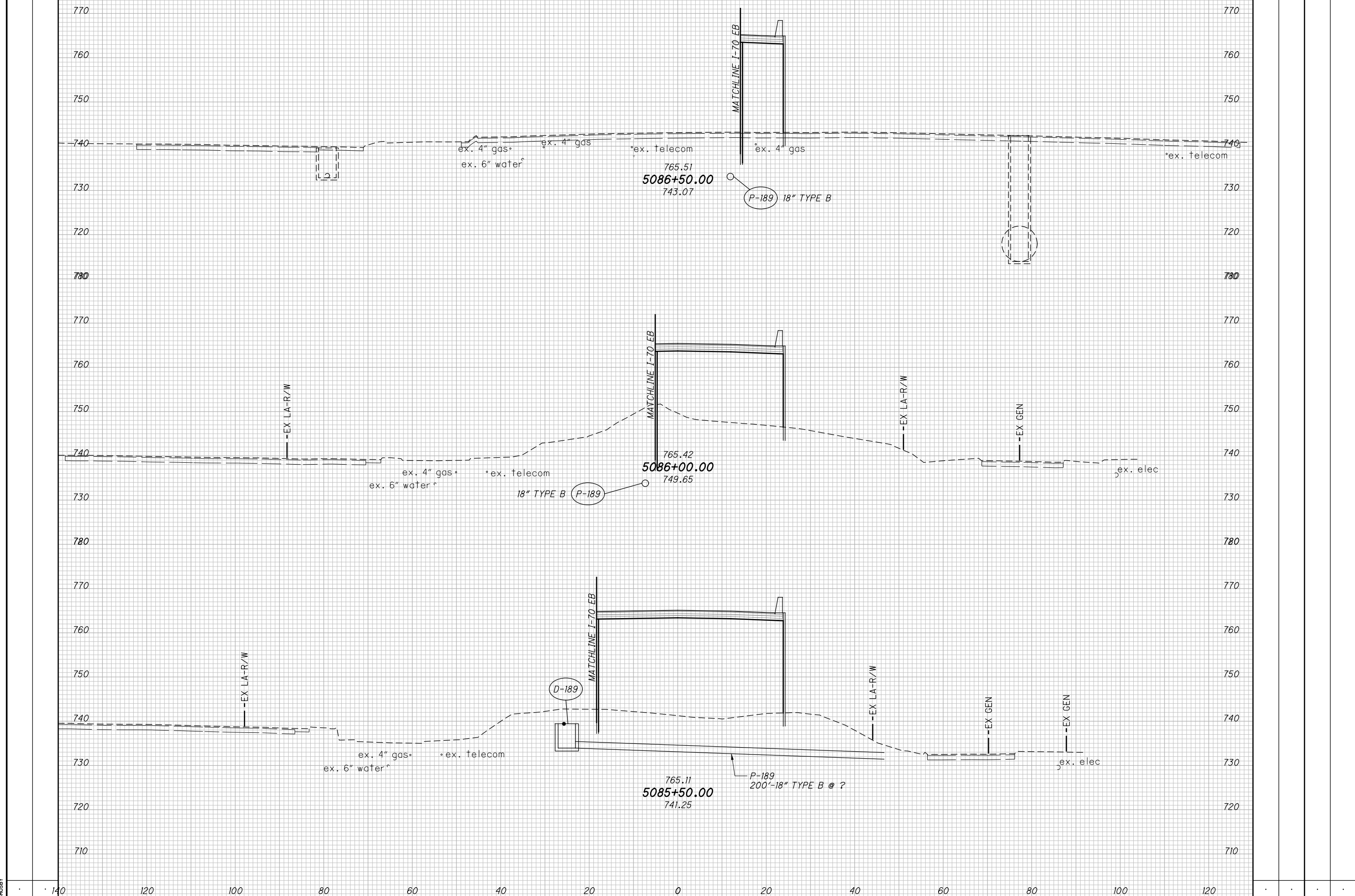


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 SMOBY

SEEDING	
END WIDTH	SO. YDS.

VOLUME	
CUT	FILL

CALCULATED	CHECKED



CROSS SECTIONS - RAMP C5
 STA. 5085+50.00 TO STA. 5086+50.00

FRA-70-12.68

