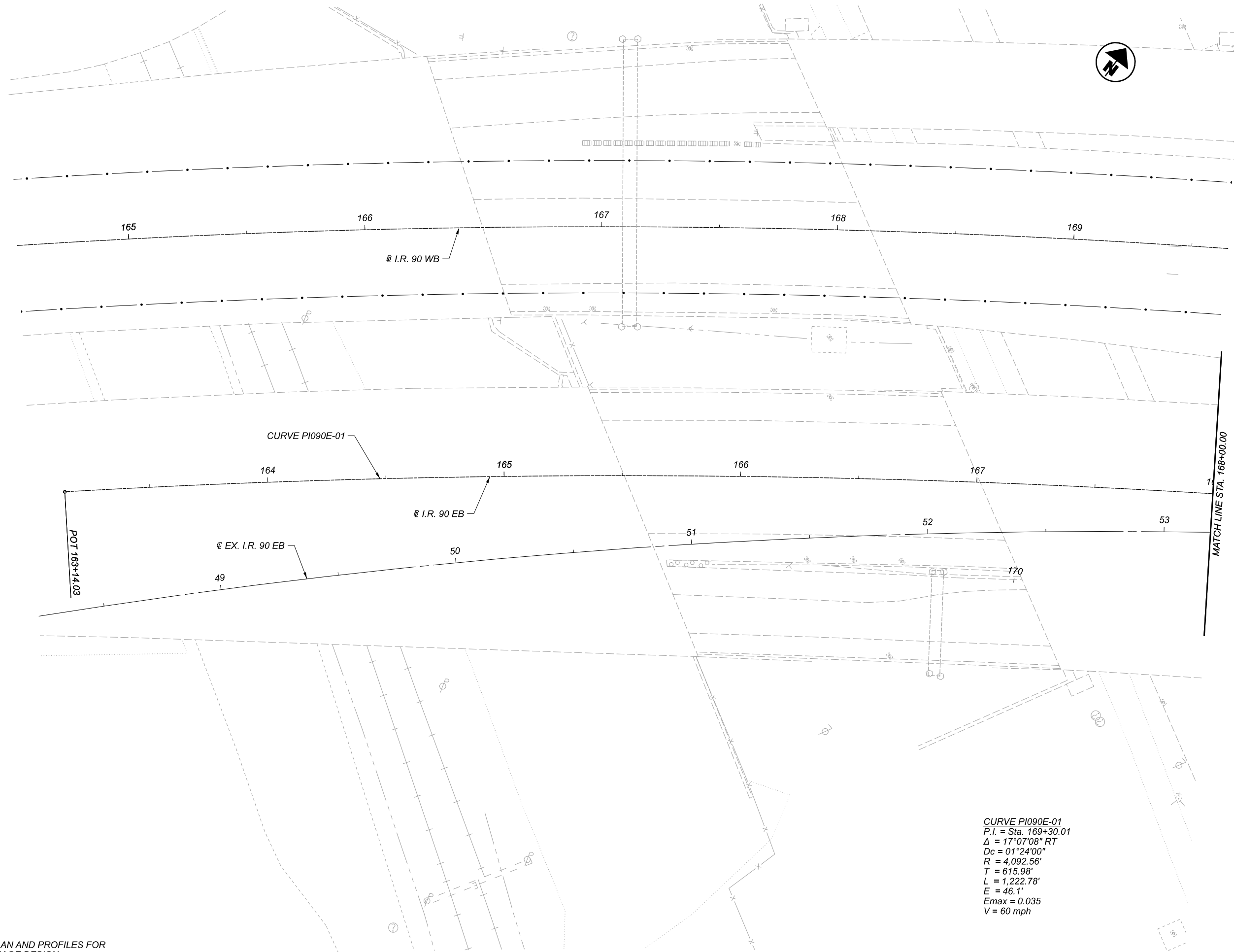
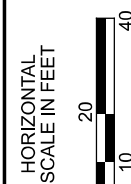


**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**CURVE PI090E-01**  
 P.I. = Sta. 169+30.01  
 $\Delta = 17^{\circ}07'08''$  RT  
 $D_c = 01^{\circ}24'00''$   
 $R = 4,092.56'$   
 $T = 615.98'$   
 $L = 1,222.78'$   
 $E = 46.1'$   
 $E_{max} = 0.035$   
 $V = 60$  mph



**PLAN - I.R. 90 EB**  
 STA. 163+00.00 TO STA. 168+00.00

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID

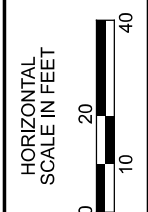
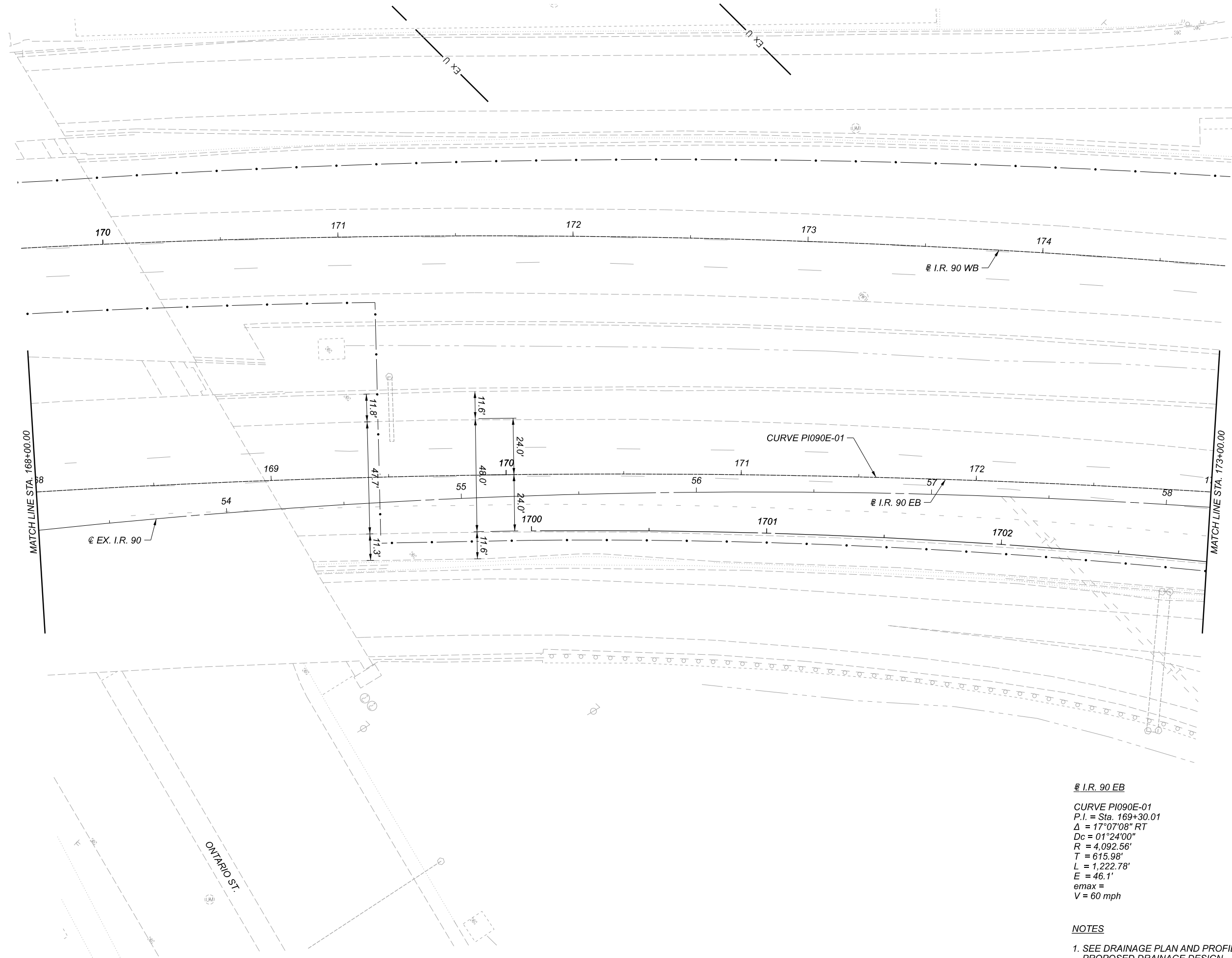
82382

SHEET

325

TOTAL

2339



PLAN - I.R. 90 EB  
 STA. 168+00.00 TO STA. 173+00.00

**I.R. 90 EB**  
 CURVE PI090E-01  
 P.I. = Sta. 169+30.01  
 $\Delta = 17^\circ 07' 08''$  RT  
 $D_c = 01^\circ 24' 00''$   
 $R = 4,092.56'$   
 $T = 615.98'$   
 $L = 1,222.78'$   
 $E = 46.1'$   
 $V = 60$  mph

- NOTES**
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

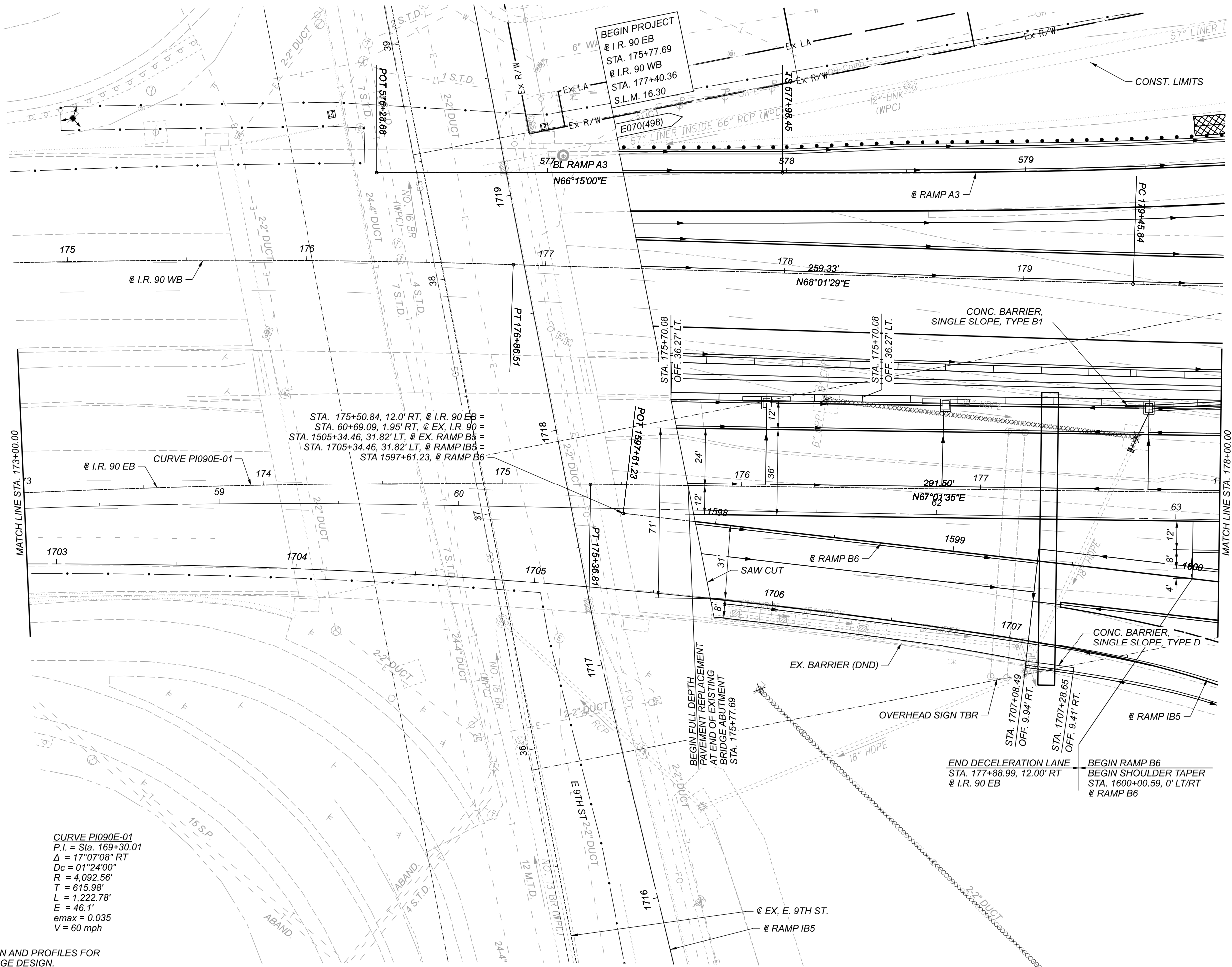
DESIGN AGENCY	
<b>BURGESS &amp; NIPLE</b>	
100 WEST EIRE STREET PAINESVILLE, OHIO 44077	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
326	2339



**CURVE P1090E-01**  
 P.I. = Sta. 169+30.01  
 $\Delta = 17^{\circ}07'08''$  RT  
 $D_c = 01^{\circ}24'00''$   
 $R = 4,092.56'$   
 $T = 615.98'$   
 $L = 1,222.78'$   
 $E = 46.1'$   
 $e_{max} = 0.035$   
 $V = 60$  mph

**NOTES**

- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
- SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - I.R. 90 EB**  
 STA. 173+00.00 TO STA. 178+00.00

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID

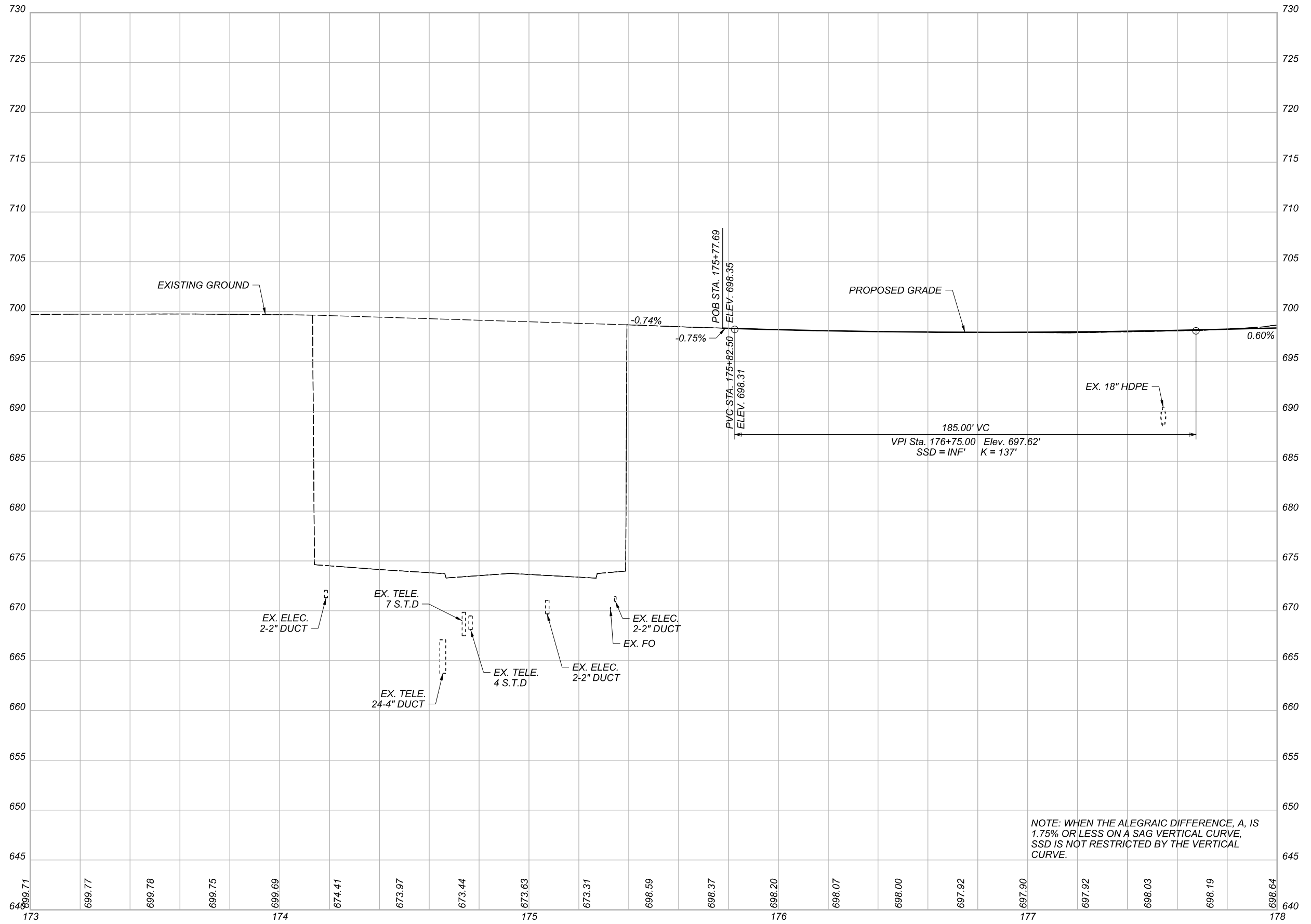
82382

SHEET

327

TOTAL

2339



NOTE: WHEN THE ALEGRAIC DIFFERENCE, A, IS 1.75% OR LESS ON A SAG VERTICAL CURVE, SSD IS NOT RESTRICTED BY THE VERTICAL CURVE.

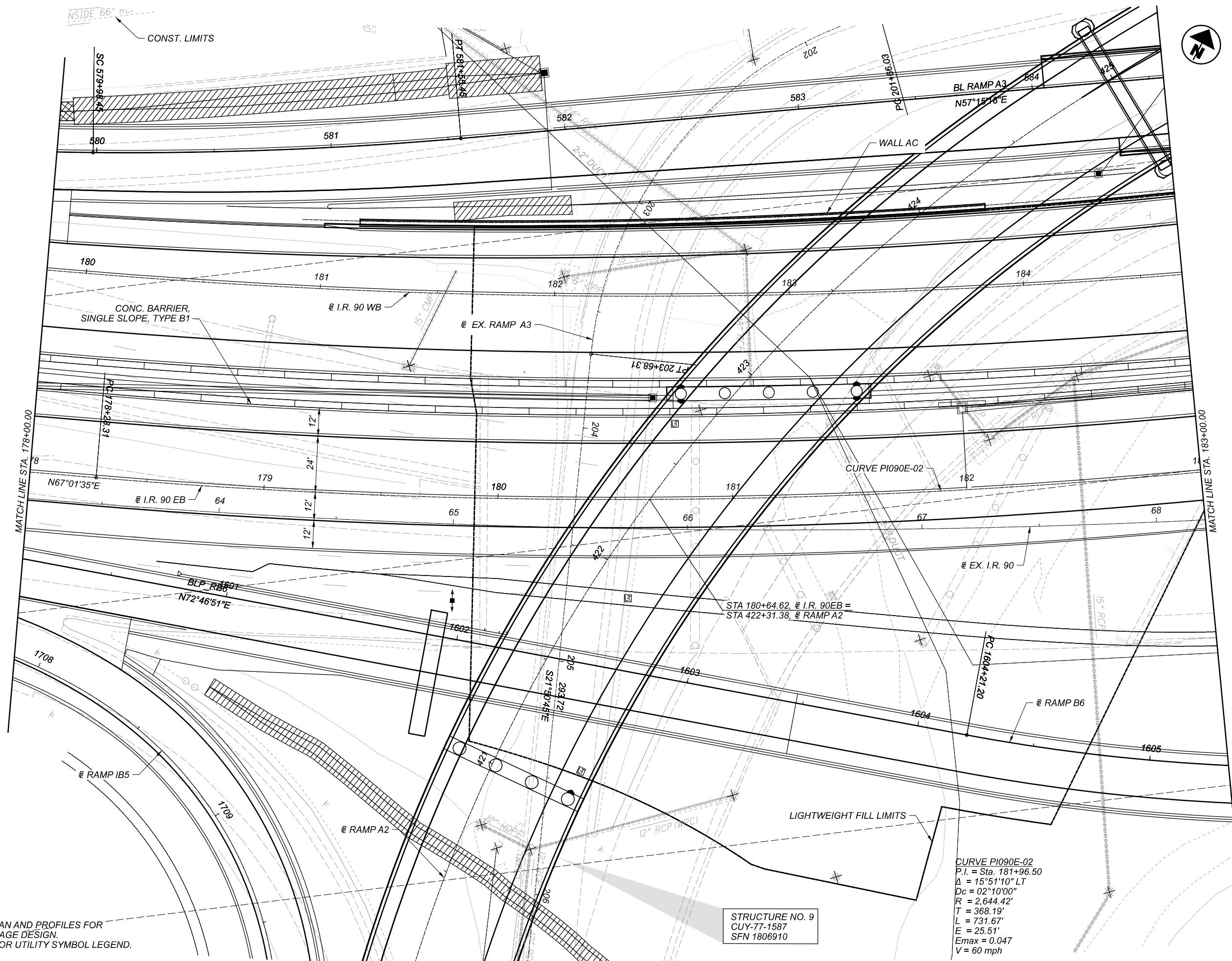
PROFILE - I.R. 90 EB  
 STA. 173+00.00 TO STA. 178+00.00

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	328
TOTAL	2339



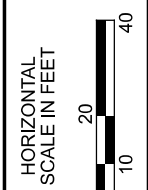
NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



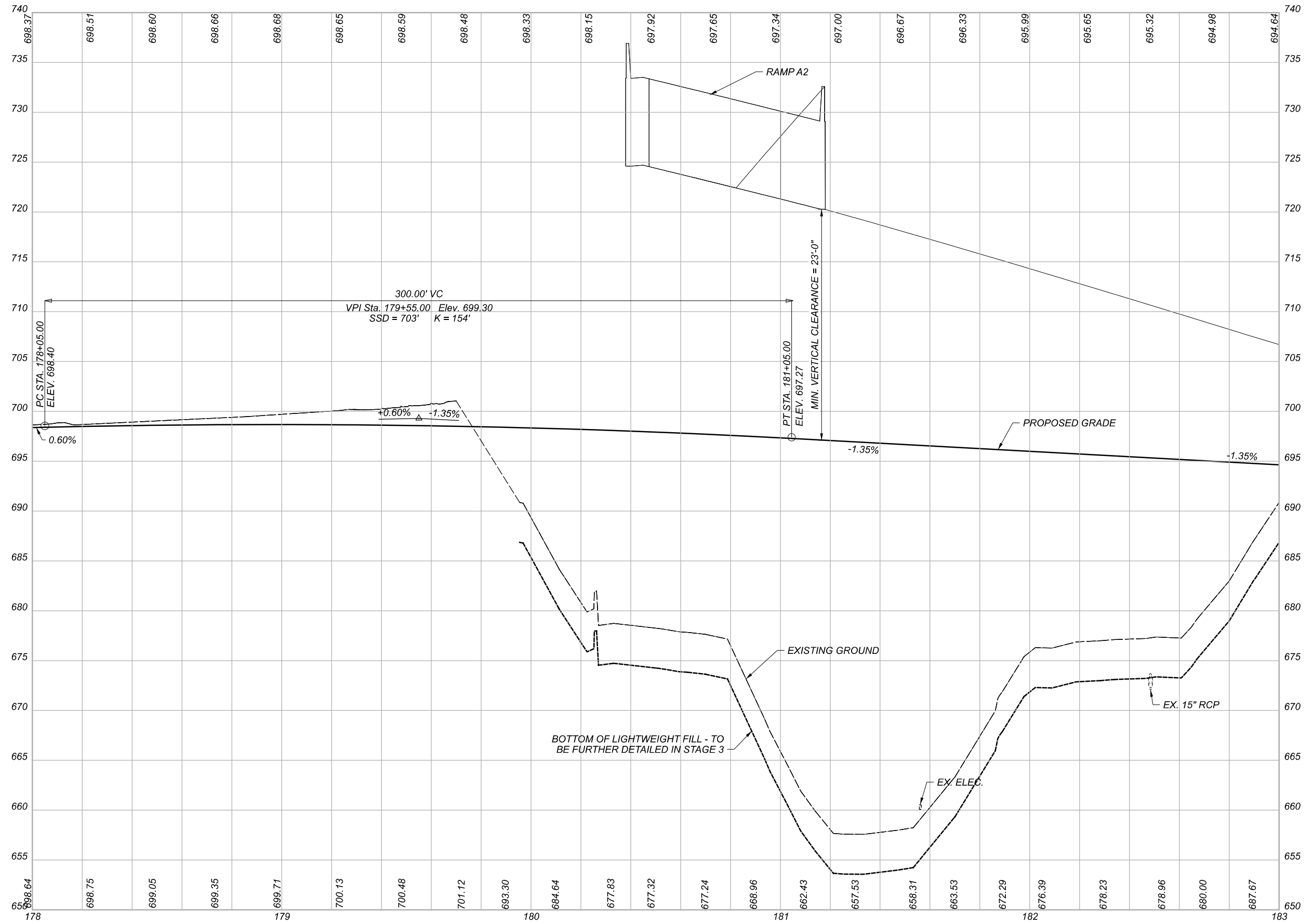
CURVE PI090E-02  
 P.I. = Sta. 181+96.50  
 $\Delta = 15^\circ 51' 10''$  LT  
 $D_c = 02^\circ 10' 00''$   
 $R = 2,644.42'$   
 $T = 368.19'$   
 $L = 731.67'$   
 $E = 25.51'$   
 $E_{max} = 0.047$   
 $V = 60$  mph

STRUCTURE NO. 9  
 CUY-77-1587  
 SFN 1806910



PLAN - I.R. 90 EB  
 STA. 178+00.00 TO STA. 183+00.00

DESIGN AGENCY	BURGESS & NIPLÉ 100 WEST EIRE STREET PAINESVILLE, OHIO 44077
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	329
TOTAL	2339



DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID

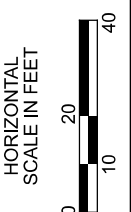
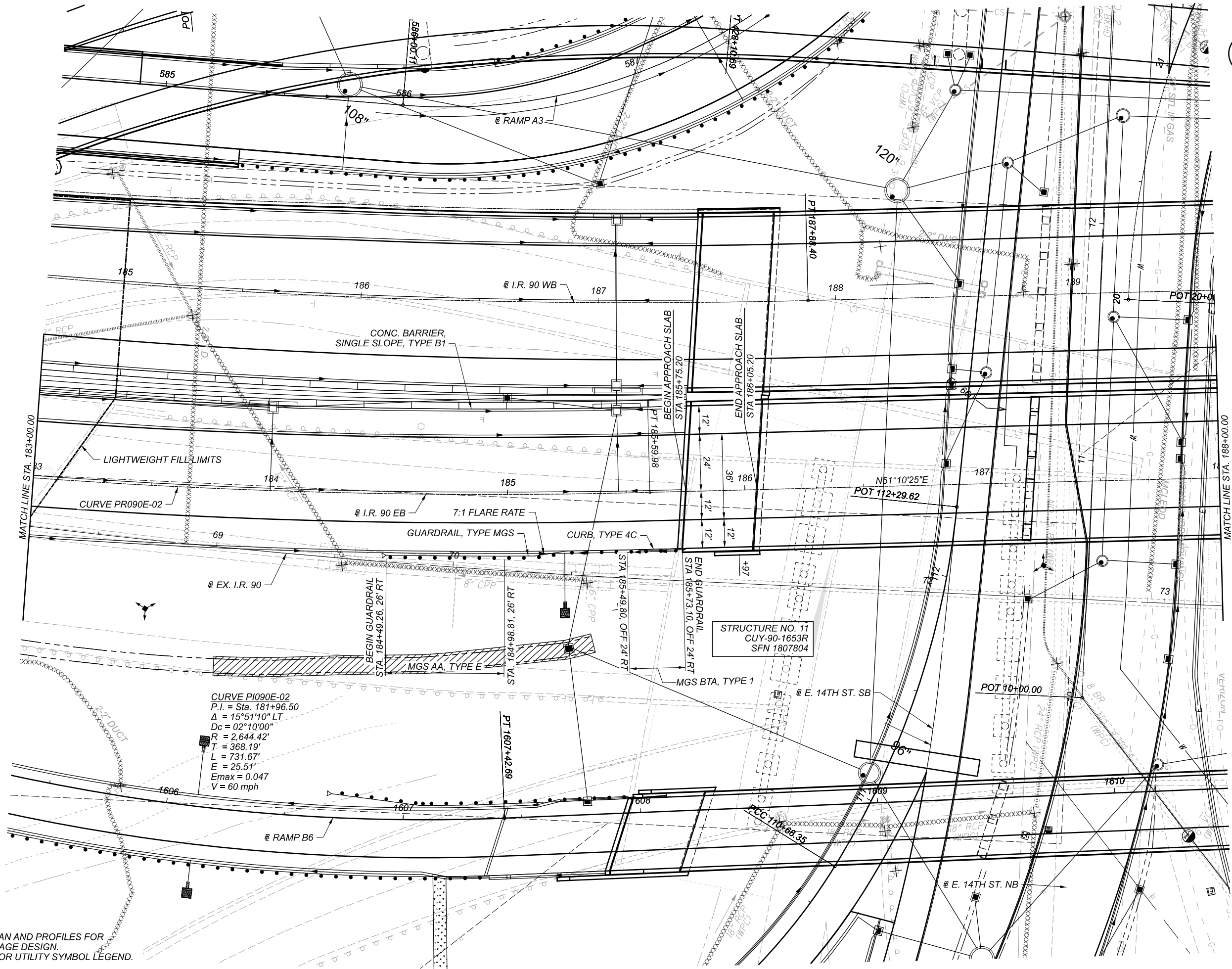
82382

SHEET TOTAL

330 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - I.R. 90 EB  
 STA. 183+00.00 TO STA. 188+00.00

DESIGN AGENCY

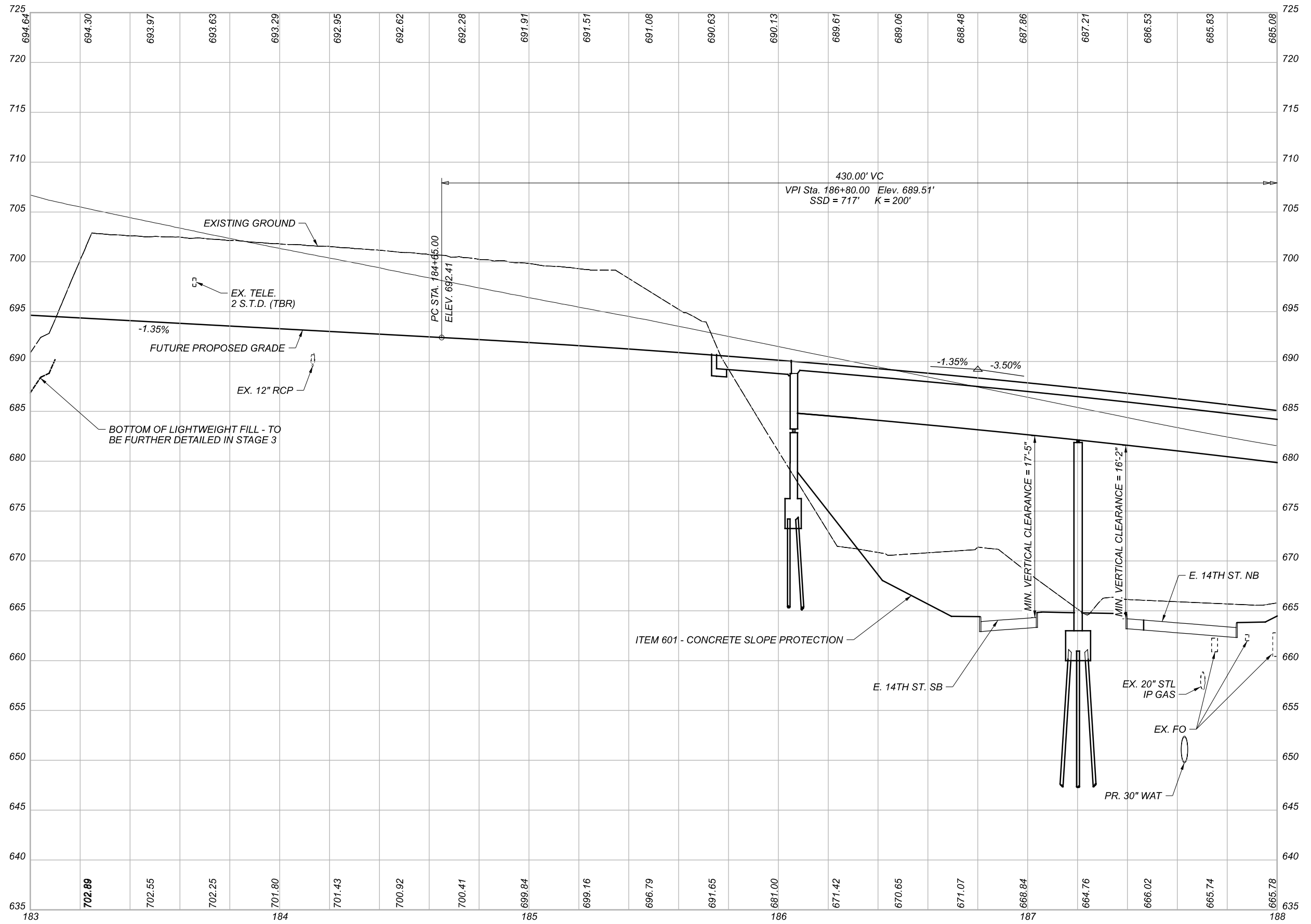
**BURGESS & NIPLE**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
331	2339



PROFILE - I.R. 90 EB  
 STA. 183+00.00 TO STA. 188+00.00

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

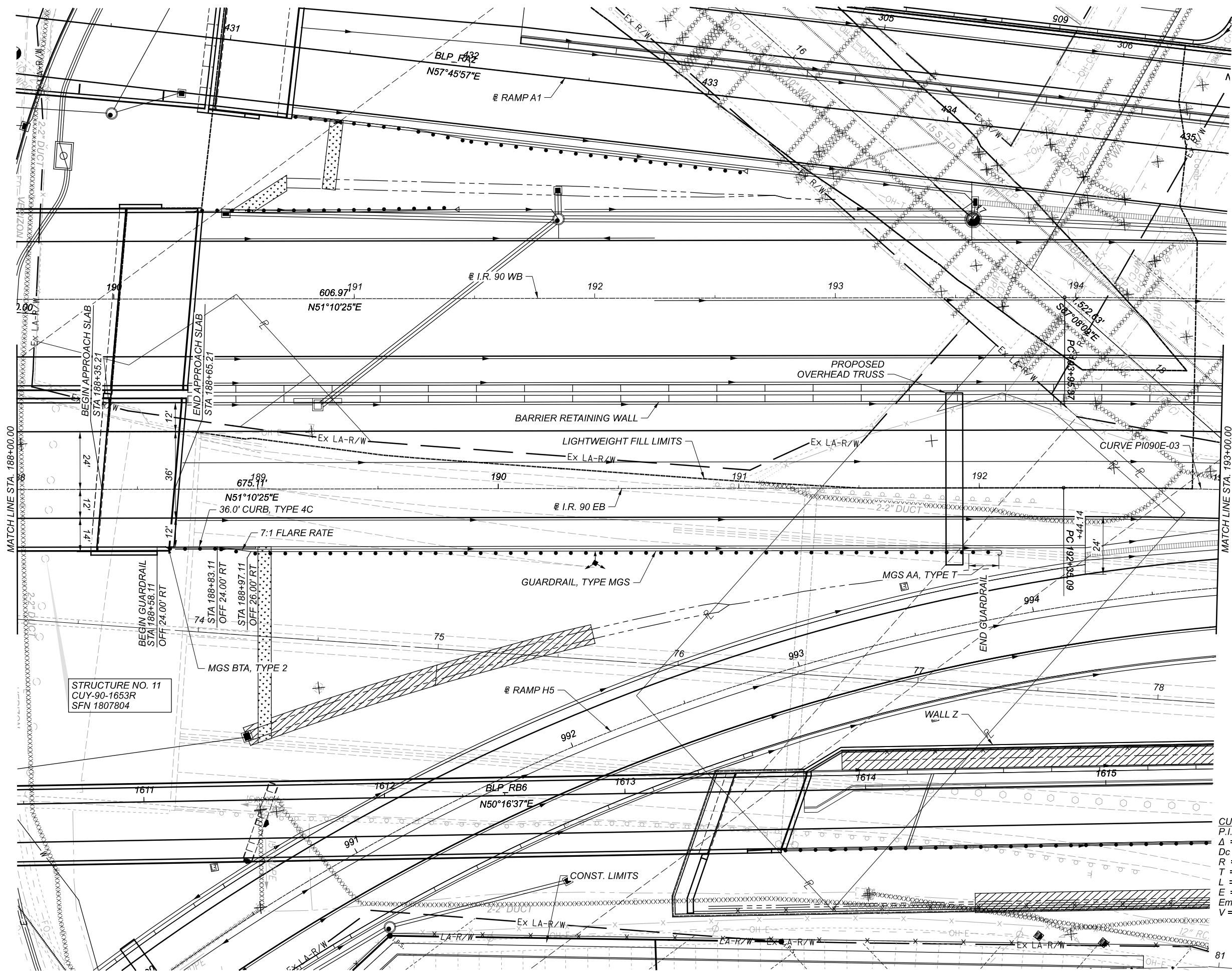
PROJECT ID

82382

SHEET TOTAL

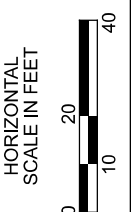
332 2339





STRUCTURE NO. 11  
 CUY-90-1653R  
 SFN 1807804

CURVE PI090E-03  
 P.I. = Sta. 195+79.88  
 $\Delta = 15^\circ 59' 07''$  RT  
 $D_c = 02^\circ 20' 00''$   
 $R = 2,455.53'$   
 $T = 344.78'$   
 $L = 685.09'$   
 $E = 24.09'$   
 $E_{max} = 0.049$   
 $V = 60$  mph



PLAN - I.R. 90 EB  
 STA. 188+00.00 TO STA. 193+00.00

DESIGN AGENCY

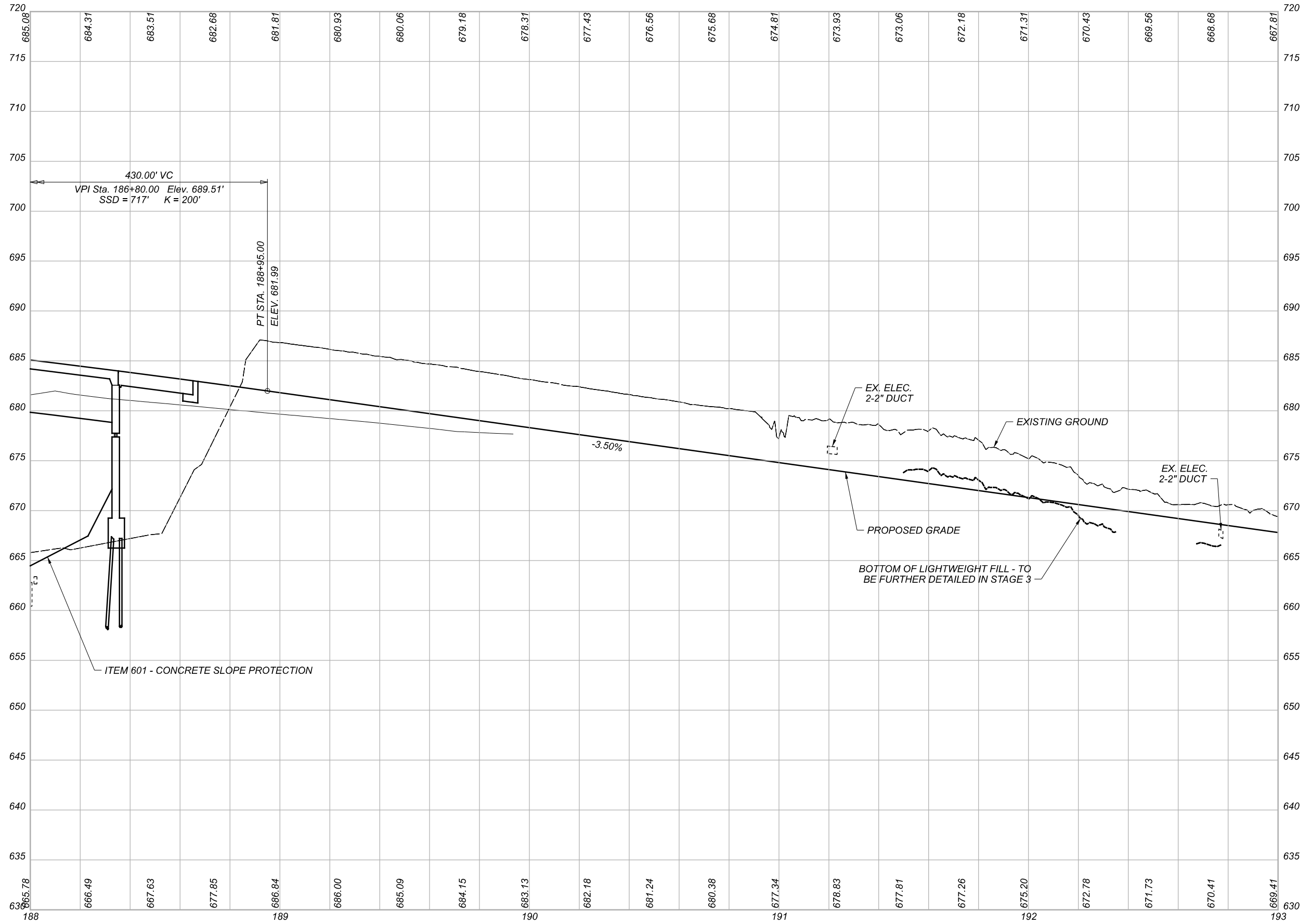
**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
333	2339



PROFILE - I.R. 90 EB  
 STA. 188+00.00 TO STA. 193+00.00

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

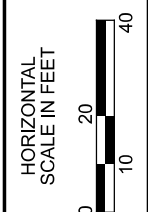
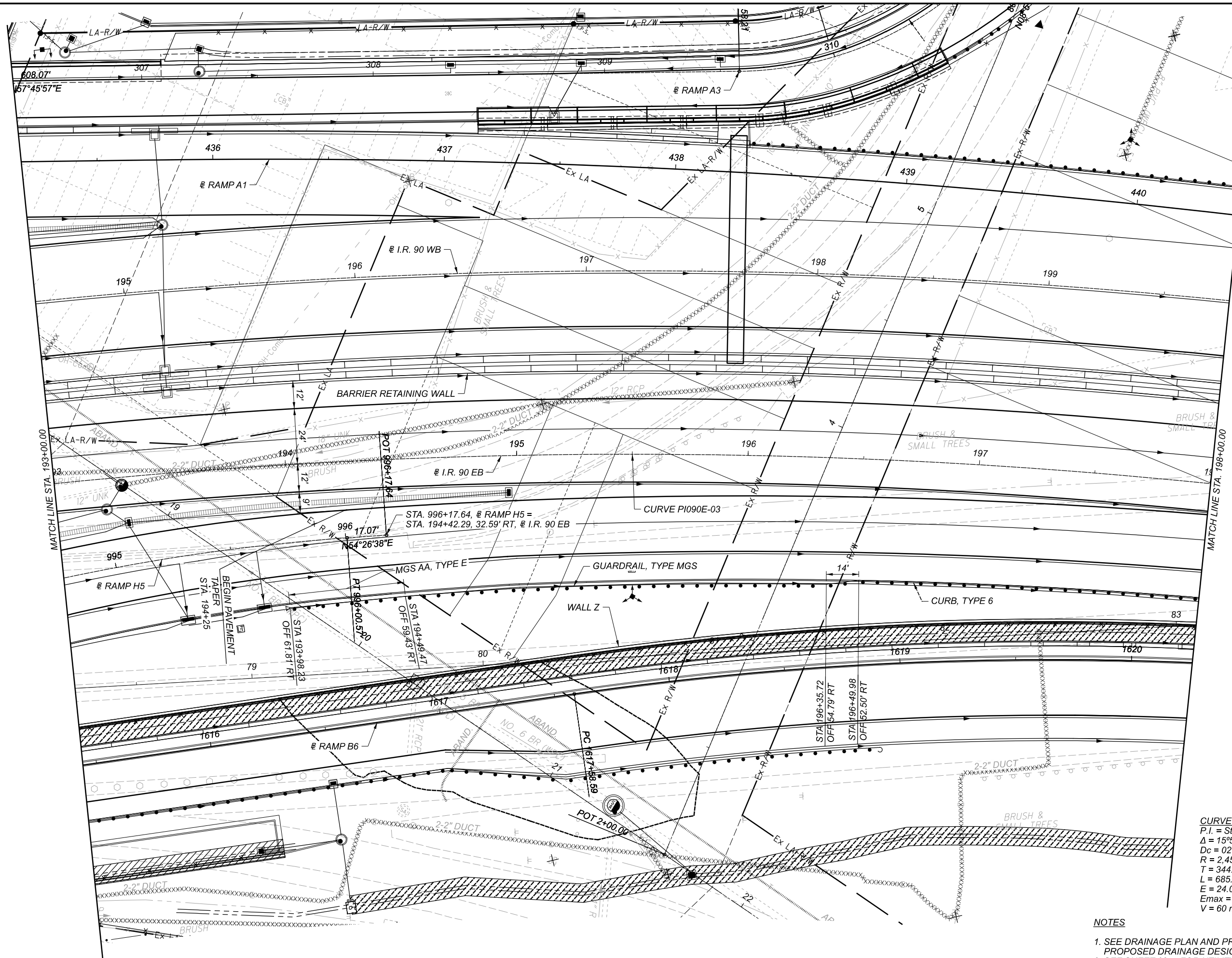
PROJECT ID

82382

SHEET TOTAL

334 2339





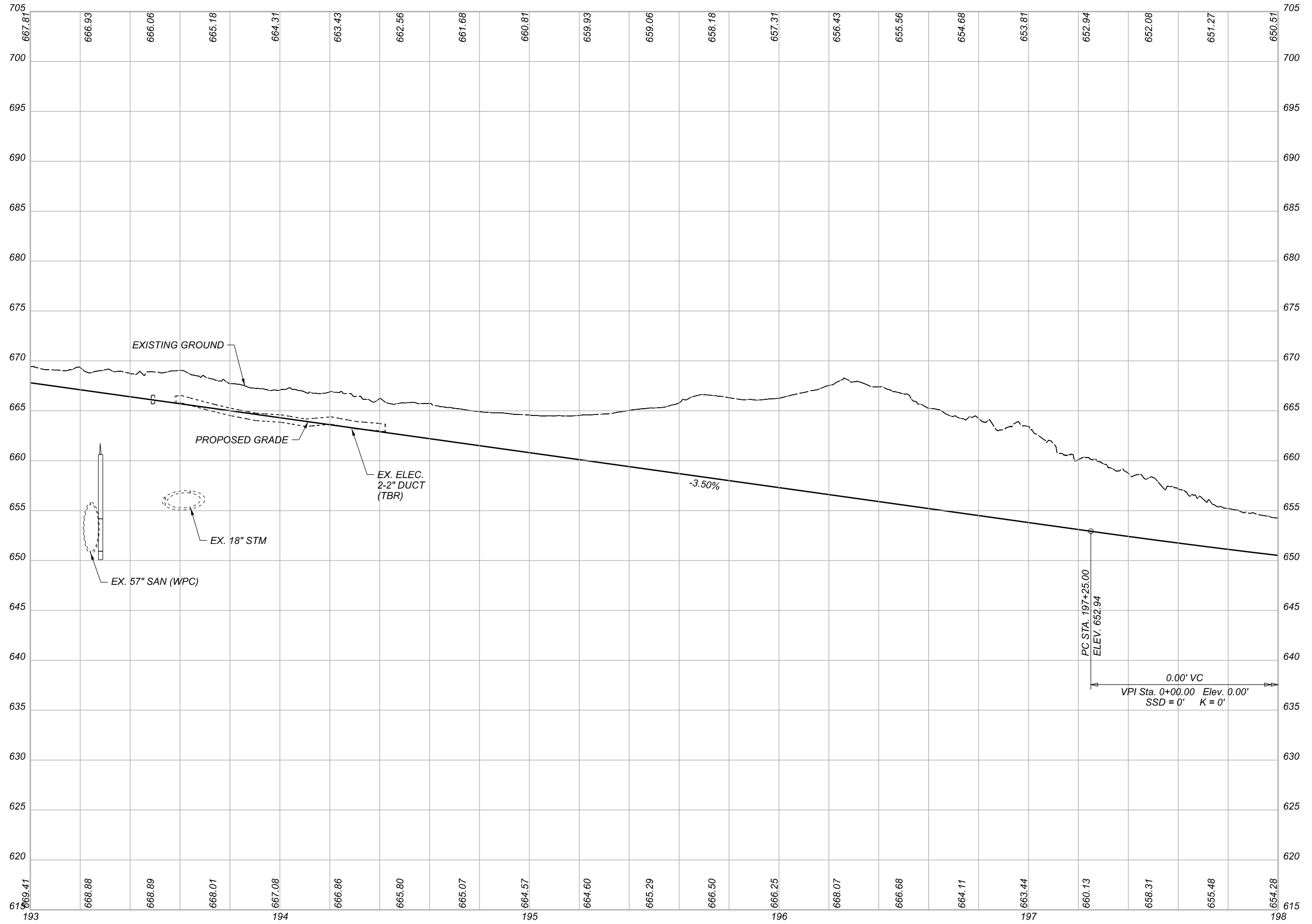
PLAN - I.R. 90 EB  
 STA. 193+00.00 TO STA. 198+00.00

**CURVE PI090E-03**  
 P.I. = Sta. 195+79.88  
 $\Delta = 15^{\circ}59'07''$  RT  
 $D_c = 02^{\circ}20'00''$   
 $R = 2,455.53'$   
 $T = 344.78'$   
 $L = 685.09'$   
 $E = 24.09'$   
 $E_{max} = 0.049$   
 $V = 60$  mph

- NOTES**
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	335 2339

**BURGESS & NIPLÉ**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077



PROFILE - I.R. 90 EB  
 STA. 193+00.00 TO STA. 198+00.00

DESIGN AGENCY

**BURGESS  
& NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

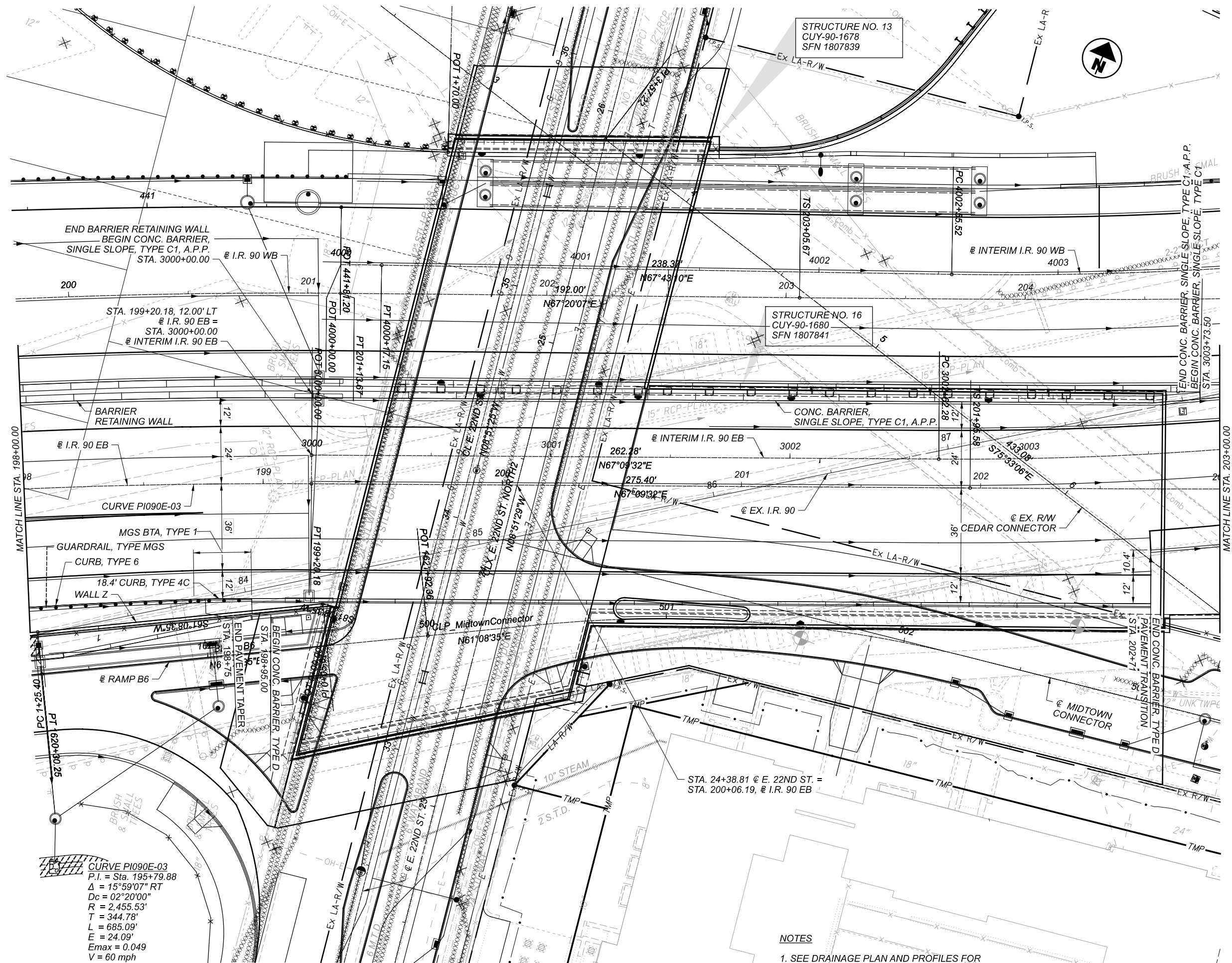
REVIEWER

PROJECT ID

82382

SHEET TOTAL

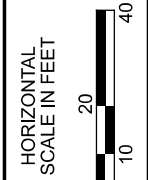
336 2339



**CURVE P1090E-03**  
 P.I. = Sta. 195+79.88  
 $\Delta = 15^\circ 59' 07''$  RT  
 $D_c = 02^\circ 20' 00''$   
 $R = 2,455.53'$   
 $T = 344.78'$   
 $L = 685.09'$   
 $E = 24.09'$   
 $E_{max} = 0.049$   
 $V = 60$  mph

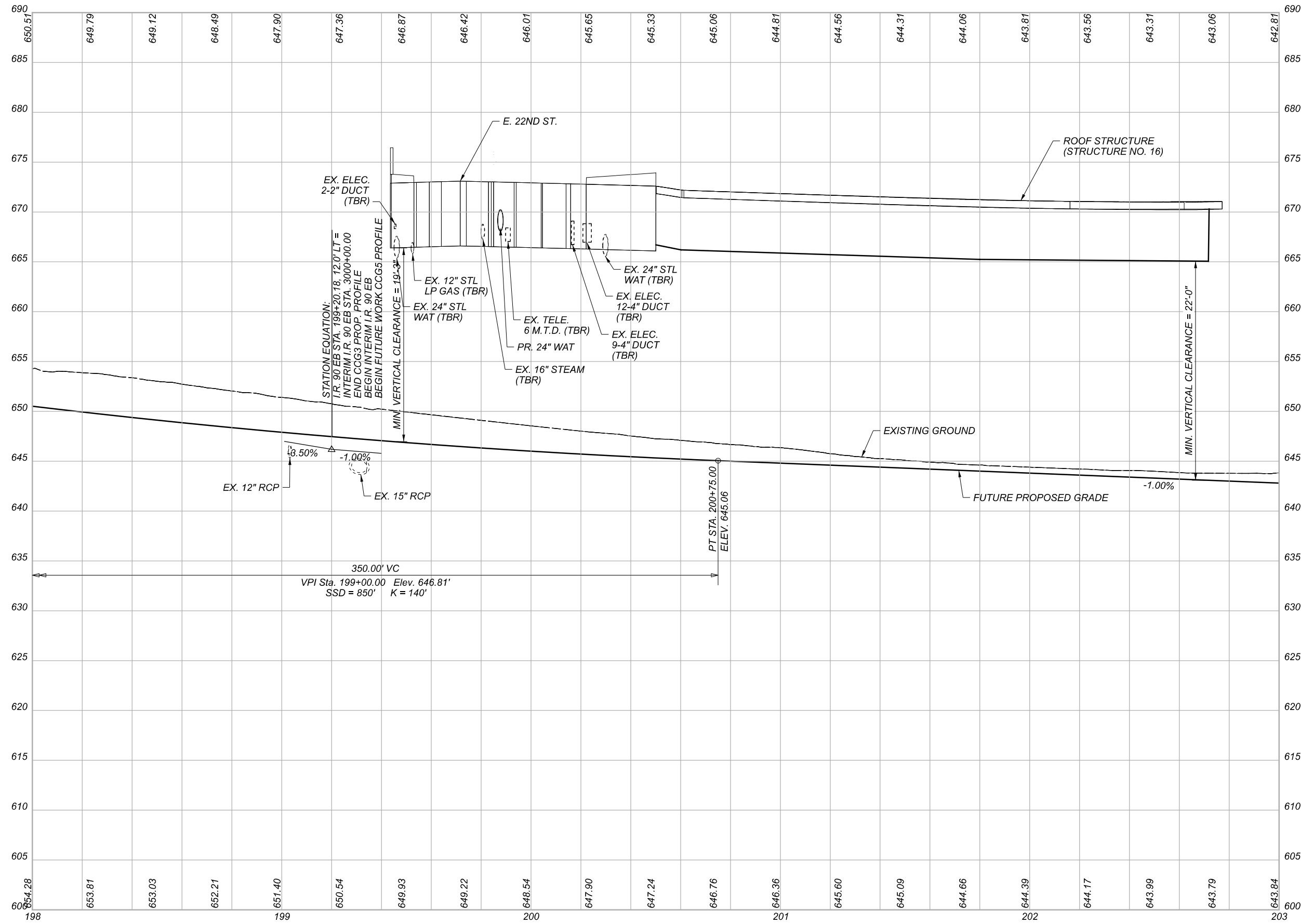
**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



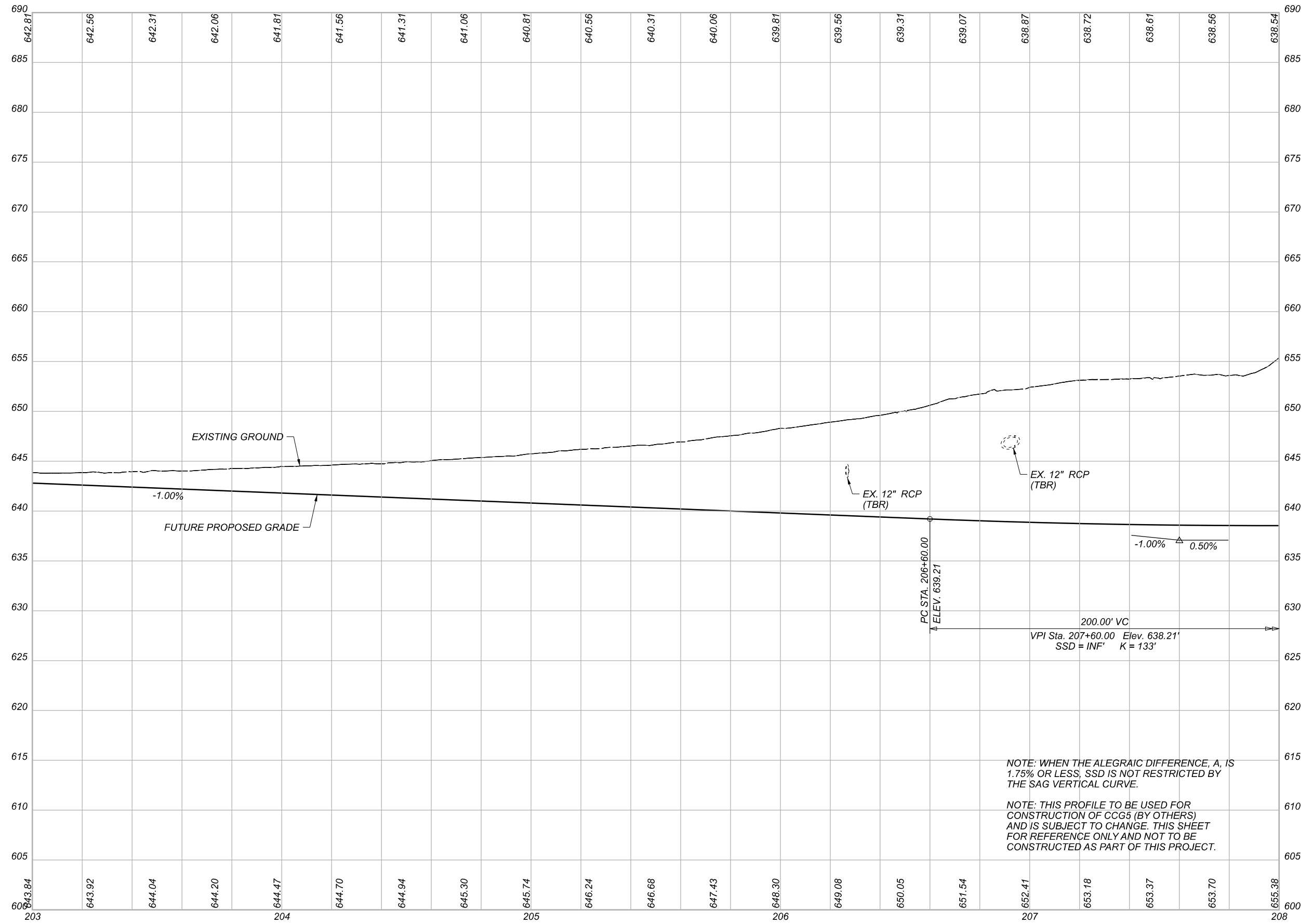
**PLAN - I.R. 90 EB**  
 STA. 198+00.00 TO STA. 203+00.00

DESIGN AGENCY	<b>BURGESS &amp; NIPLE</b> 100 WEST ERIE STREET PAINESVILLE, OHIO 44077
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	337
TOTAL	2339



DESIGN AGENCY	
<b>BURGESS &amp; NIPLÉ</b> 100 WEST ERIE STREET PARSONVILLE, OHIO 44077	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	338
TOTAL	2339

**PROFILE - I.R. 90 EB**  
**STA. 198+00.00 TO STA. 203+00.00**



NOTE: WHEN THE ALGRAIC DIFFERENCE, A, IS 1.75% OR LESS, SSD IS NOT RESTRICTED BY THE SAG VERTICAL CURVE.

NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

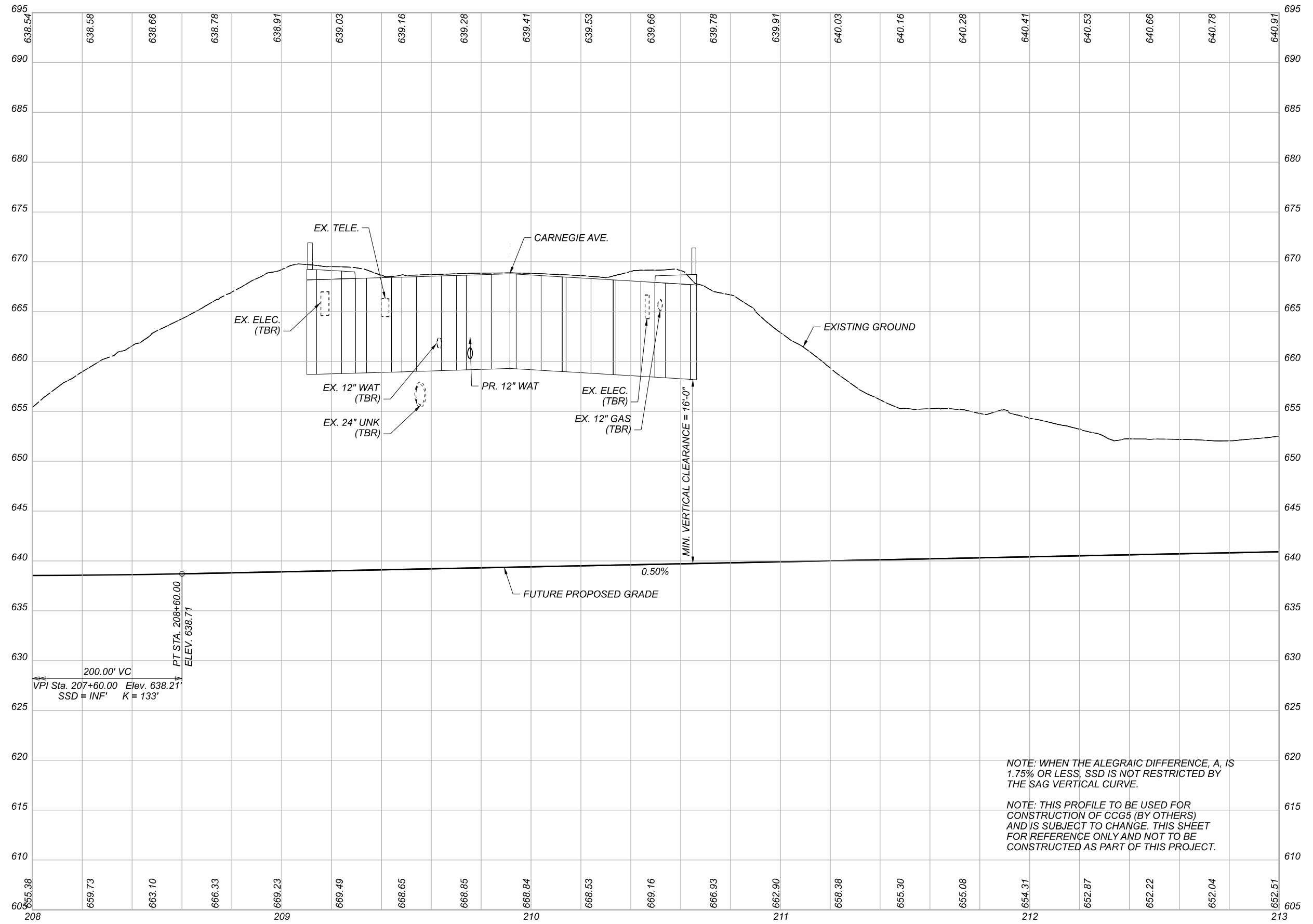
REVIEWER

PROJECT ID

82382

SHEET TOTAL

339 2339



NOTE: WHEN THE ALGRAIC DIFFERENCE, A, IS 1.75% OR LESS, SSD IS NOT RESTRICTED BY THE SAG VERTICAL CURVE.

NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

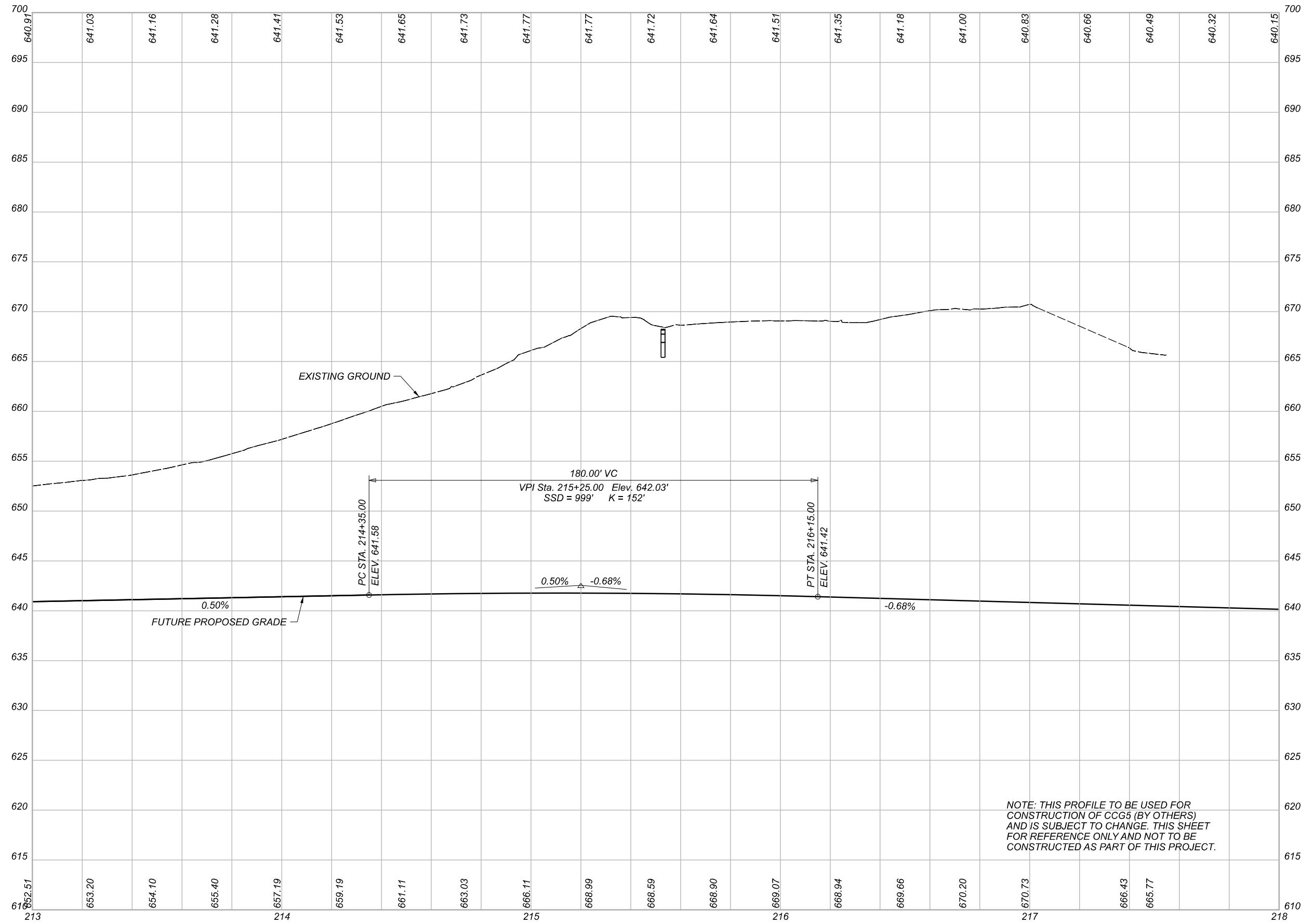
REVIEWER

PROJECT ID

82382

SHEET TOTAL

340 2339



NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

PROFILE - I.R. 90 EB  
 STA. 213+00.00 TO STA. 218+00.00

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

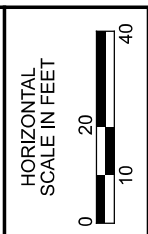
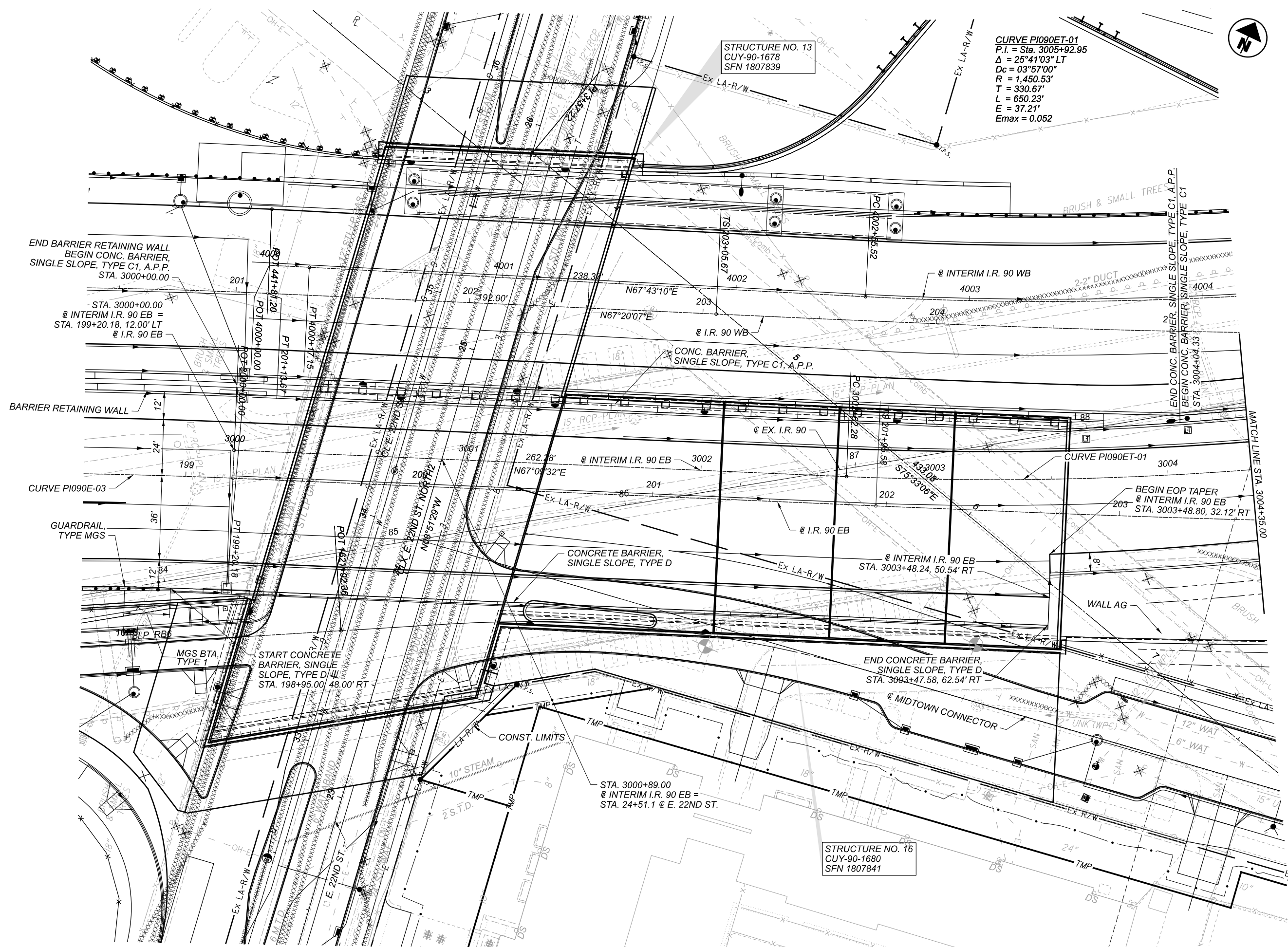
PROJECT ID

82382

SHEET TOTAL

341 2339

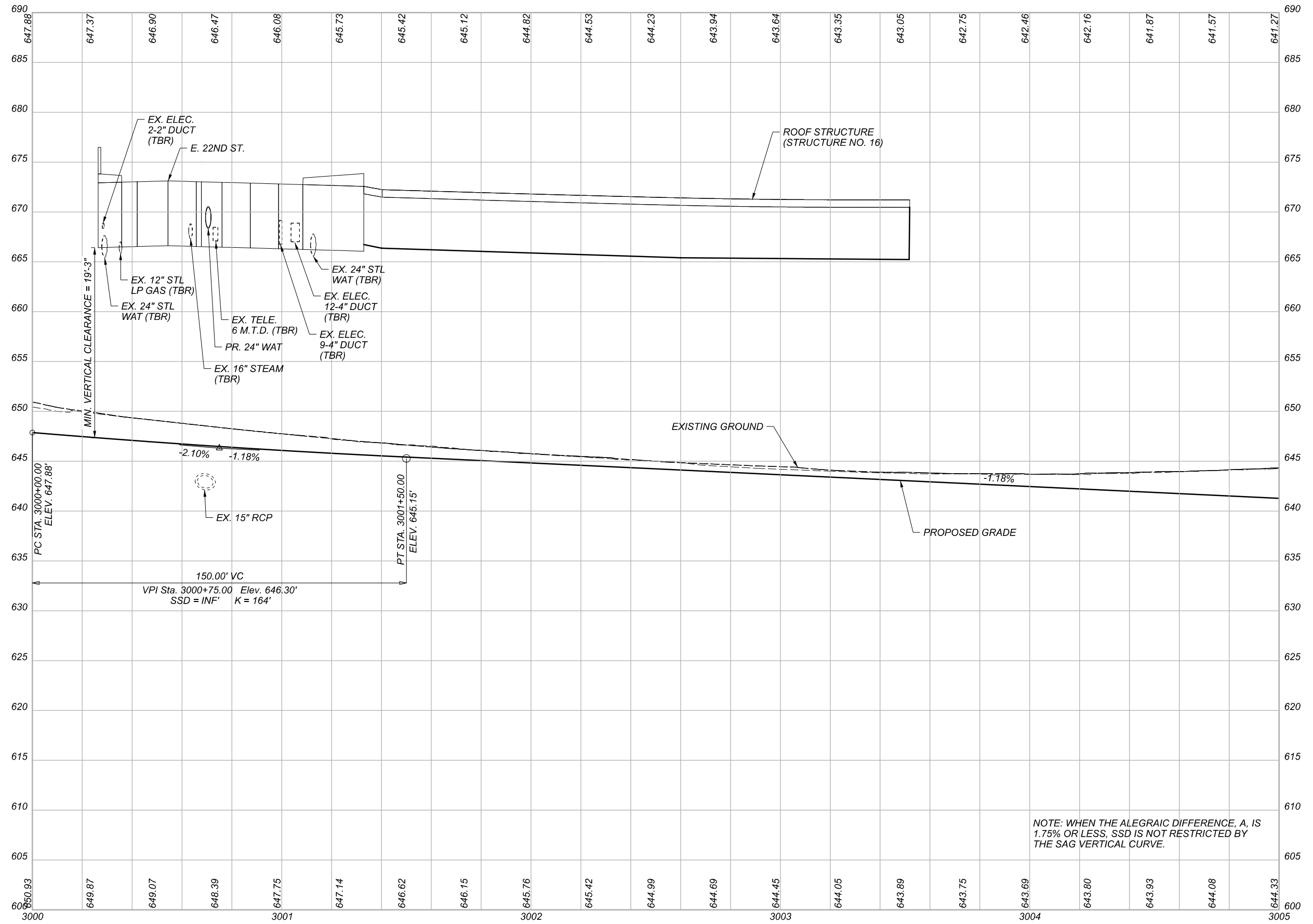




PLAN - INTERIM I.R. 90 EB  
STA. 3000+00.00 TO STA. 3004+35.00

DESIGN AGENCY	<b>BURGESS &amp; NIPLE</b> 100 WEST ERIE STREET PARSONVILLE, OHIO 44077
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	342
TOTAL	2339





DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

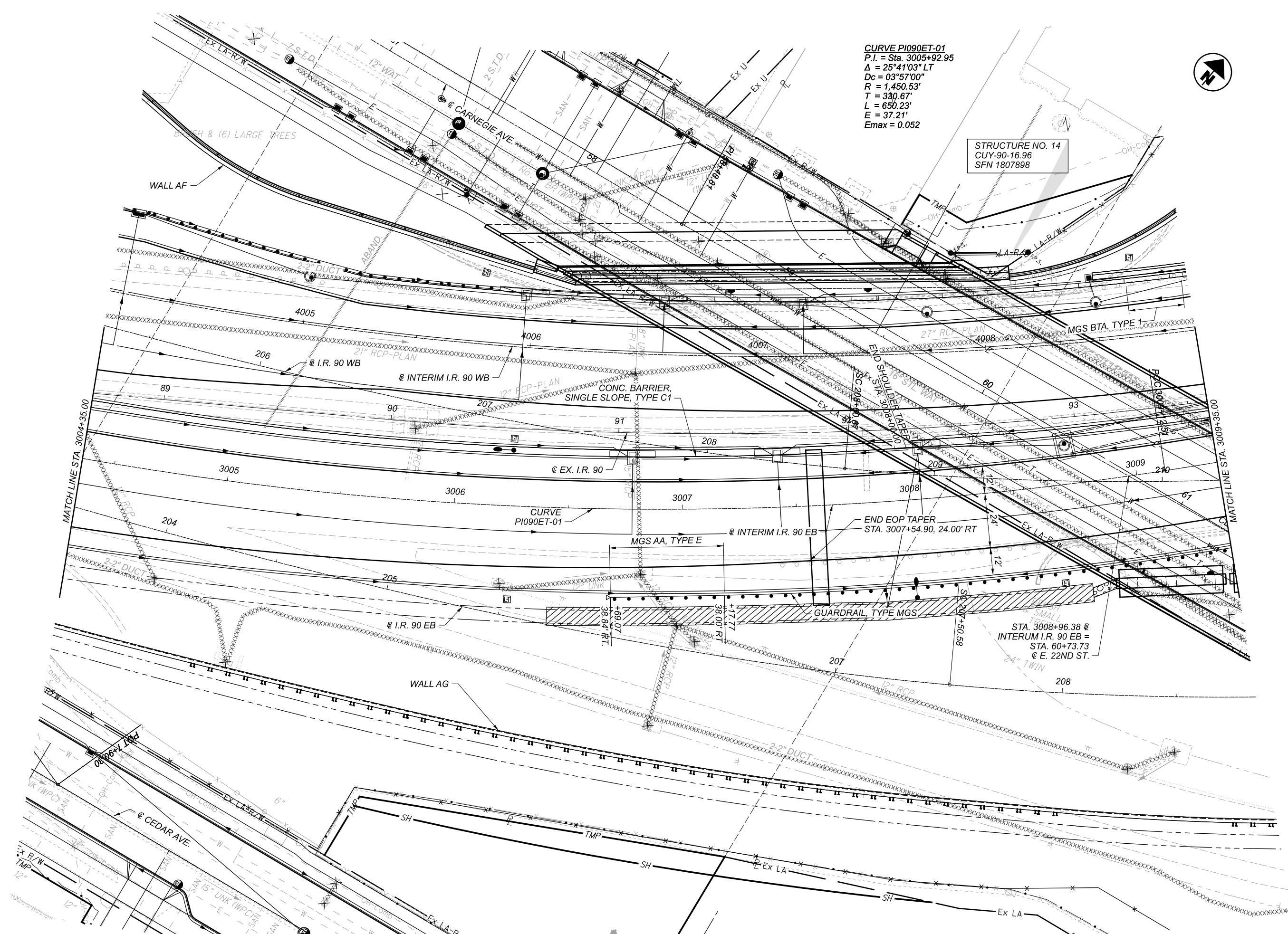
REVIEWER

PROJECT ID

82382

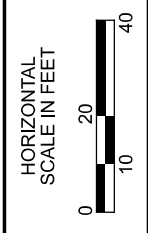
SHEET TOTAL

343 2339



**CURVE PI090ET-01**  
 P.I. = Sta. 3005+92.95  
 $\Delta = 25^\circ 41' 03''$  LT  
 $D_c = 03^\circ 57' 00''$   
 $R = 1,450.53'$   
 $T = 330.67'$   
 $L = 650.23'$   
 $E = 37.21'$   
 $E_{max} = 0.052$

**STRUCTURE NO. 14**  
 CUY-90-16.96  
 SFN 1807898



**PLAN - I.R. 90 EASTBOUND INTERIM**  
**STA. 3004+35.00 TO STA. 3009+35.00**

DESIGN AGENCY

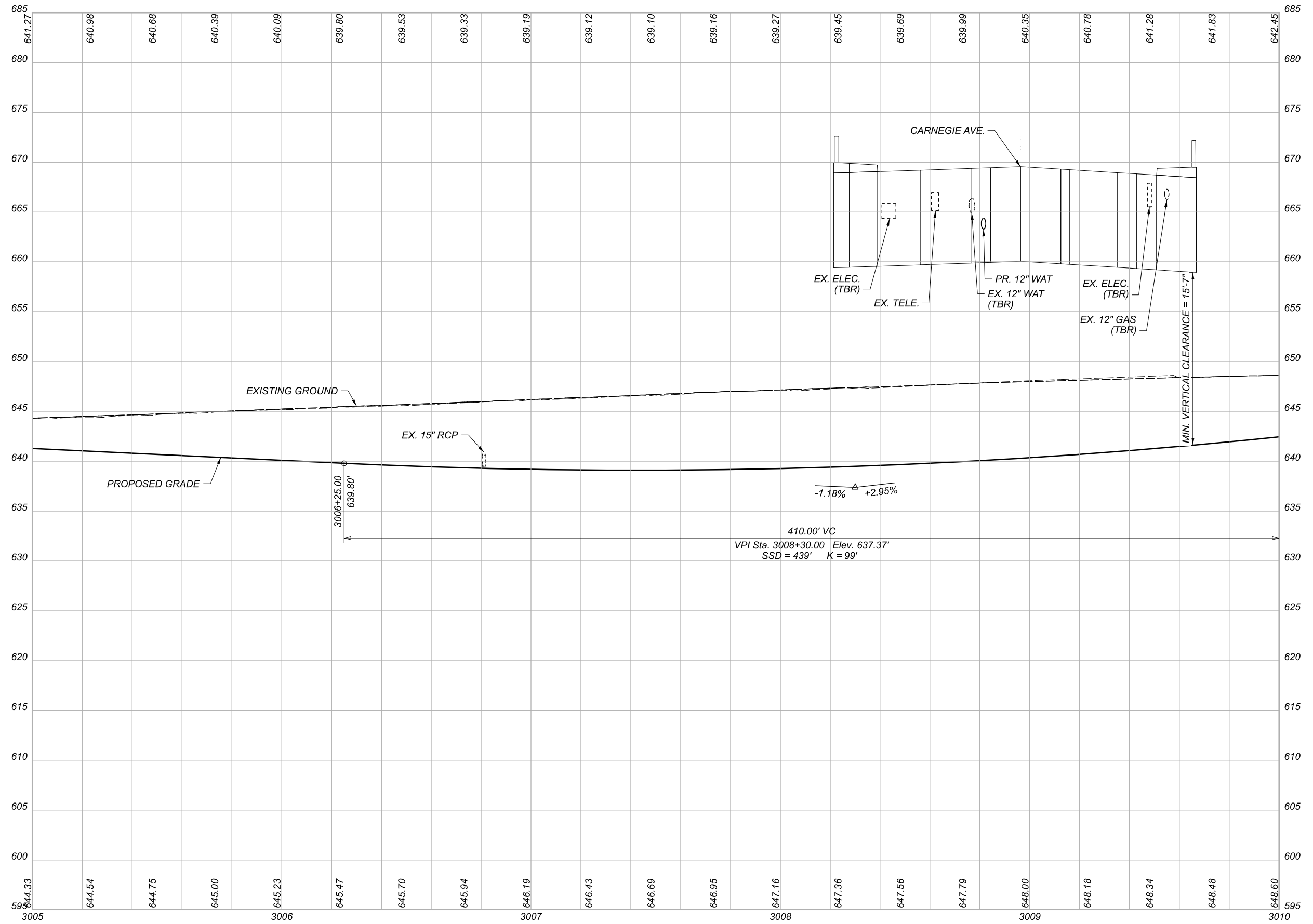
**BURGESS & NIPLE**  
100 WEST ERIE STREET  
PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER  
04-23-21

PROJECT ID  
82382

SHEET	TOTAL
344	0



PROFILE - INTERIM I.R. 90 EB  
 STA. 3005+00.00 TO STA. 3010+00.00

DESIGN AGENCY

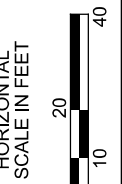
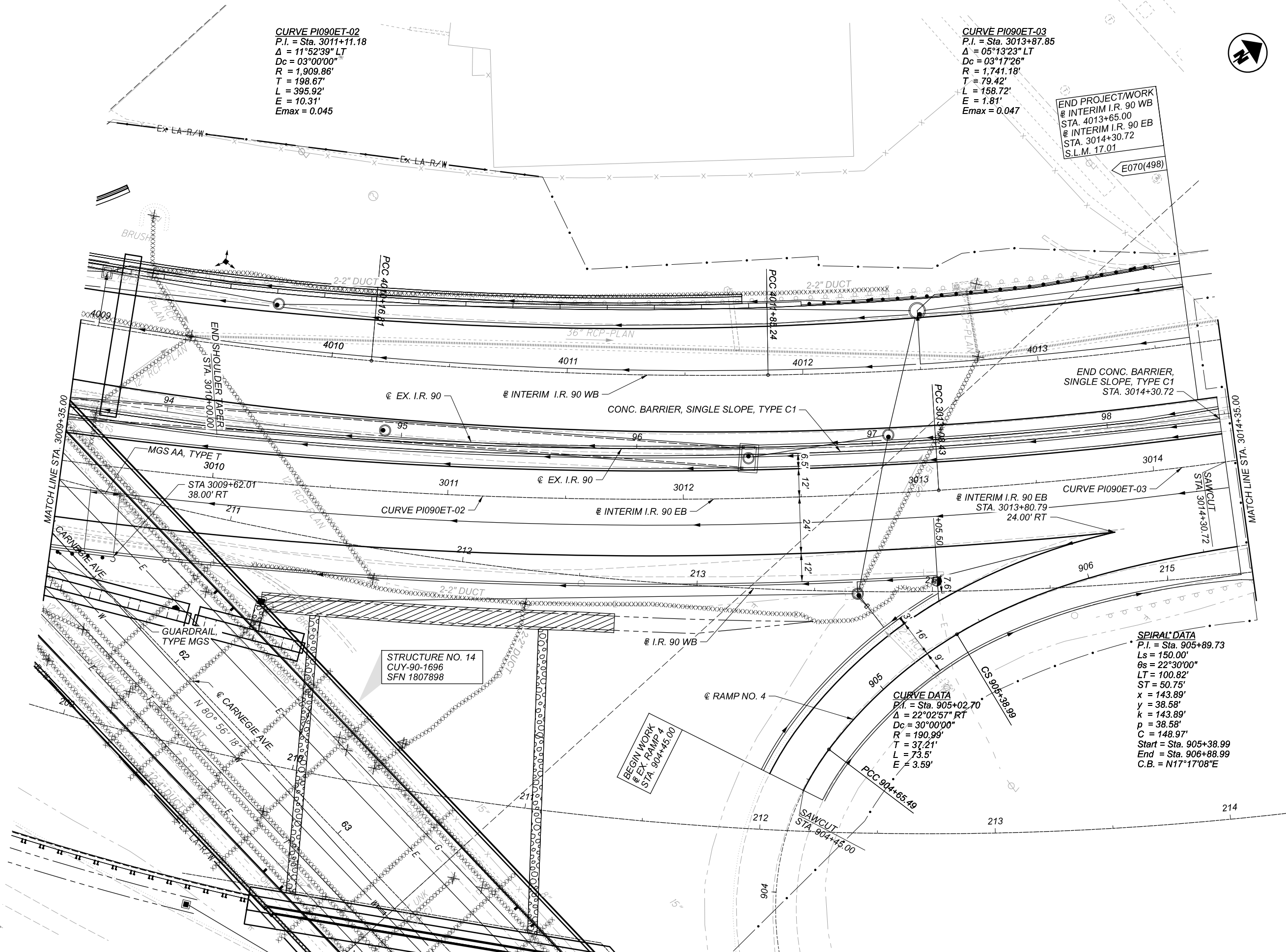
**BURGESS & NIPLE**  
 100 WEST BIRCH STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
345	2339



PLAN - INTERIM I.R. 90 EB  
STA. 3009+35.00 TO STA. 3014+35.00

DESIGN AGENCY

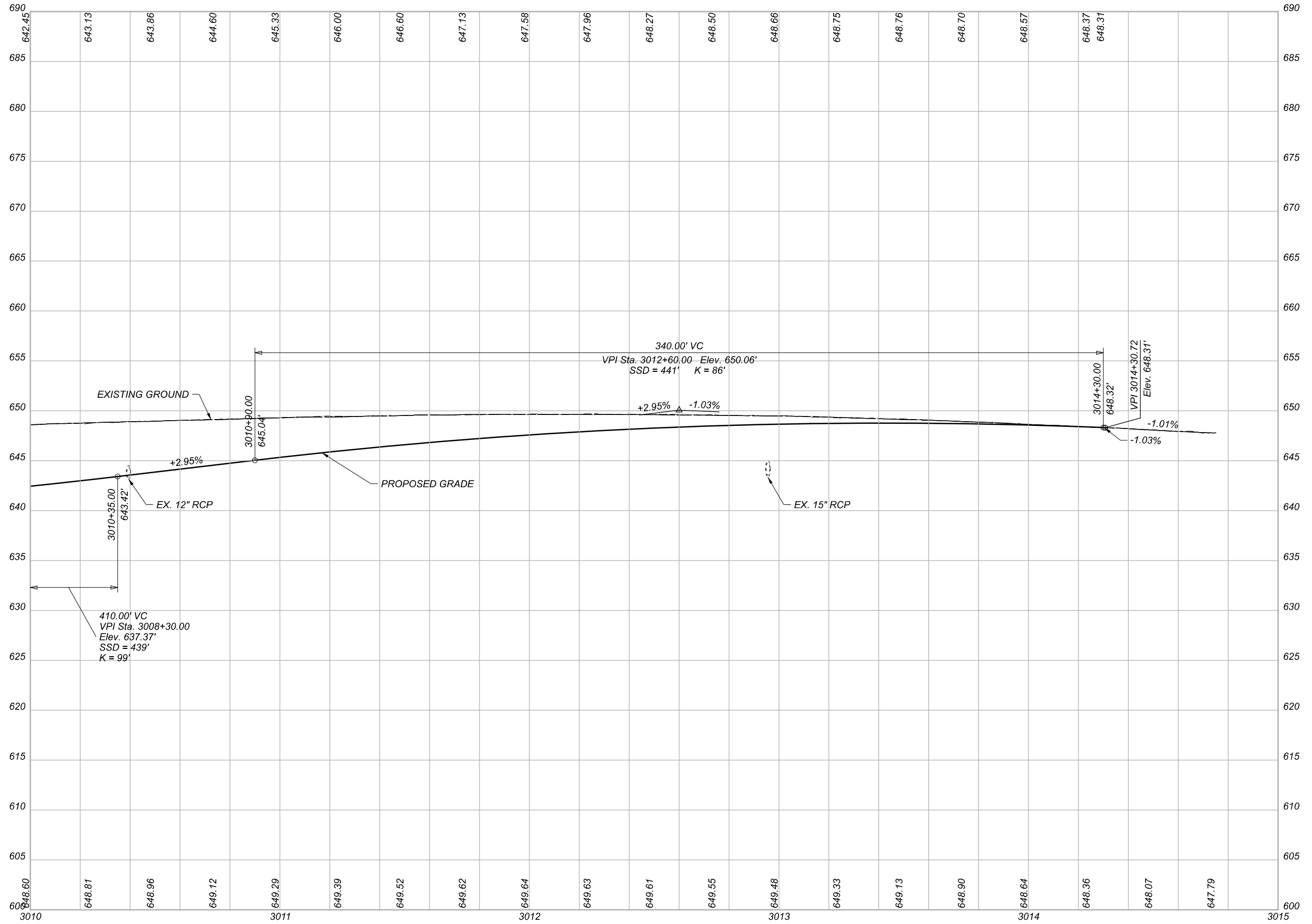
**BURGESS & NIPLÉ**  
100 WEST EIRE STREET  
PARADEISE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
346	2339



PROFILE - INTERIM I.R. 90 EB  
 STA. 3010+00.00 TO 3015+00.00

DESIGN AGENCY

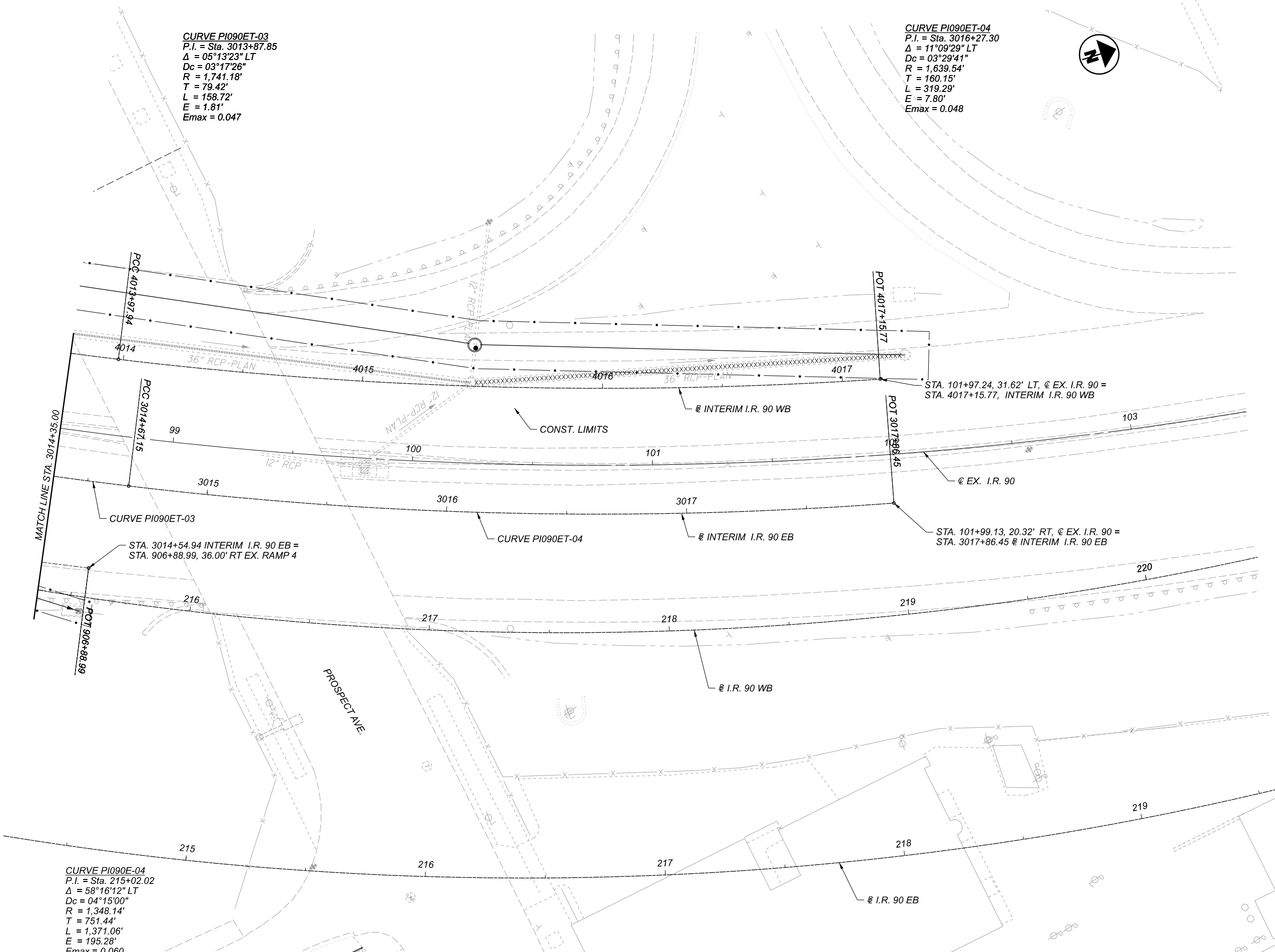
**BURGESS & NIPLE**  
 100 WEST BIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

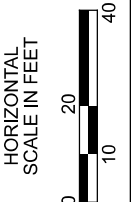
SHEET	TOTAL
347	2339



**CURVE PI090ET-03**  
 P.I. = Sta. 3013+87.85  
 $\Delta = 05^{\circ}13'23''$  LT  
 $Dc = 03^{\circ}17'26''$   
 $R = 1,741.18'$   
 $T = 79.42'$   
 $L = 158.72'$   
 $E = 1.81'$   
 $E_{max} = 0.047$

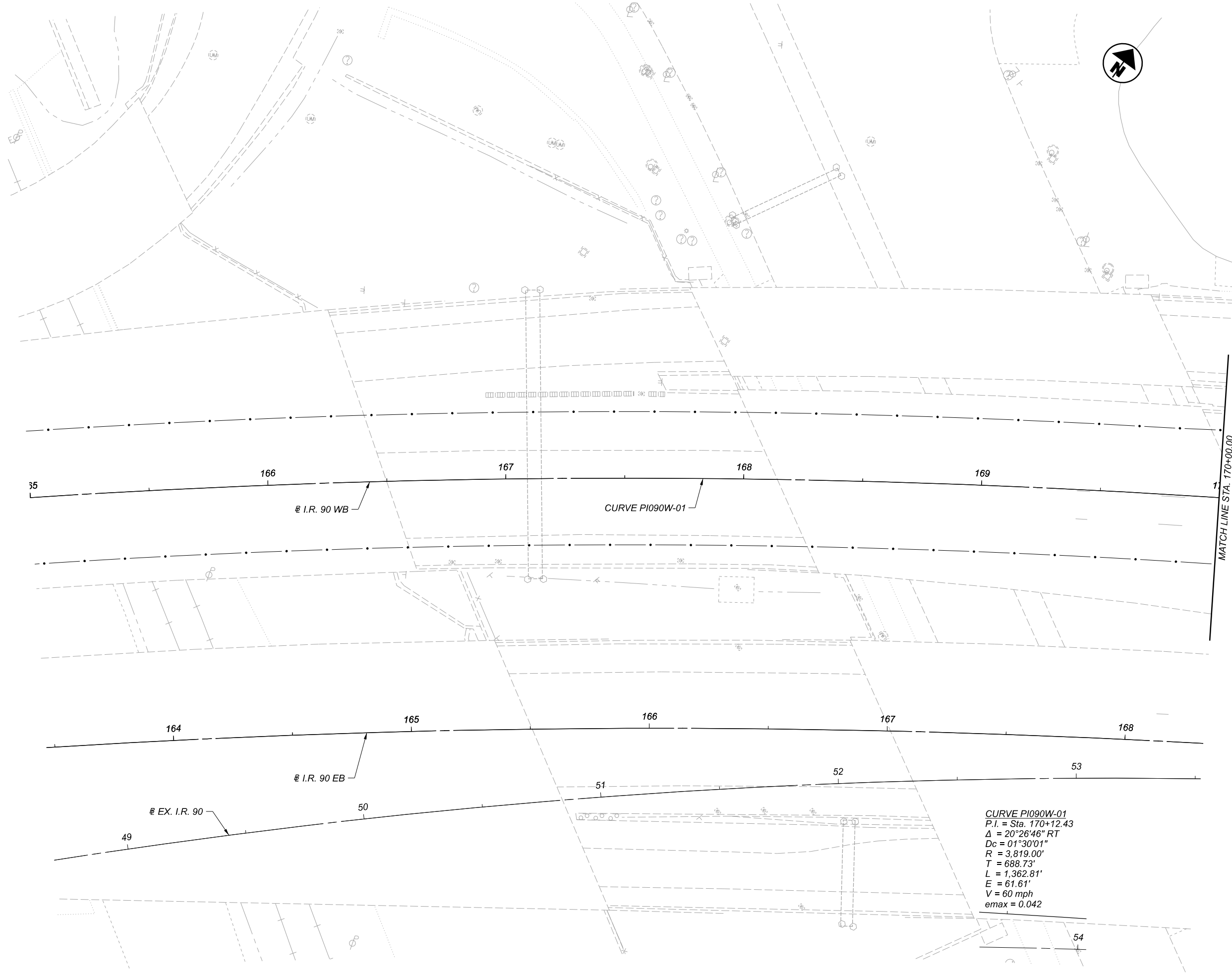
**CURVE PI090ET-04**  
 P.I. = Sta. 3016+27.30  
 $\Delta = 11^{\circ}09'29''$  LT  
 $Dc = 03^{\circ}29'41''$   
 $R = 1,639.54'$   
 $T = 160.15'$   
 $L = 319.29'$   
 $E = 7.80'$   
 $E_{max} = 0.048$

**CURVE PI090E-04**  
 P.I. = Sta. 215+02.02  
 $\Delta = 58^{\circ}16'12''$  LT  
 $Dc = 04^{\circ}15'00''$   
 $R = 1,348.14'$   
 $T = 751.44'$   
 $L = 1,371.06'$   
 $E = 195.28'$   
 $E_{max} = 0.060$

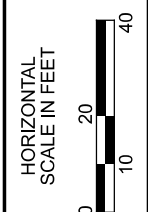


**PLAN - INTERIM I.R. 90 EB**  
**STA. 3014+35.00 TO STA. 3017+86.45**

DESIGN AGENCY	
<b>BURGESS &amp; NIPLE</b>	
100 WEST ERIE STREET PARMA, OHIO 44137	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	348
TOTAL	2339



**CURVE PI090W-01**  
 P.I. = Sta. 170+12.43  
 $\Delta = 20^{\circ}26'46''$  RT  
 $D_c = 01^{\circ}30'01''$   
 $R = 3,819.00'$   
 $T = 688.73'$   
 $L = 1,362.81'$   
 $E = 61.61'$   
 $V = 60$  mph  
 $e_{max} = 0.042$

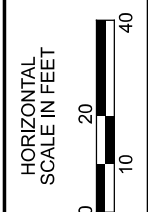


PLAN - I.R. 90 WB  
 STA. 165+00.00 TO STA. 170+00.00

DESIGN AGENCY	
<b>BURGESS &amp; NIPLÉ</b> 100 WEST EIRE STREET PAINESVILLE, OHIO 44077	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
349	2339



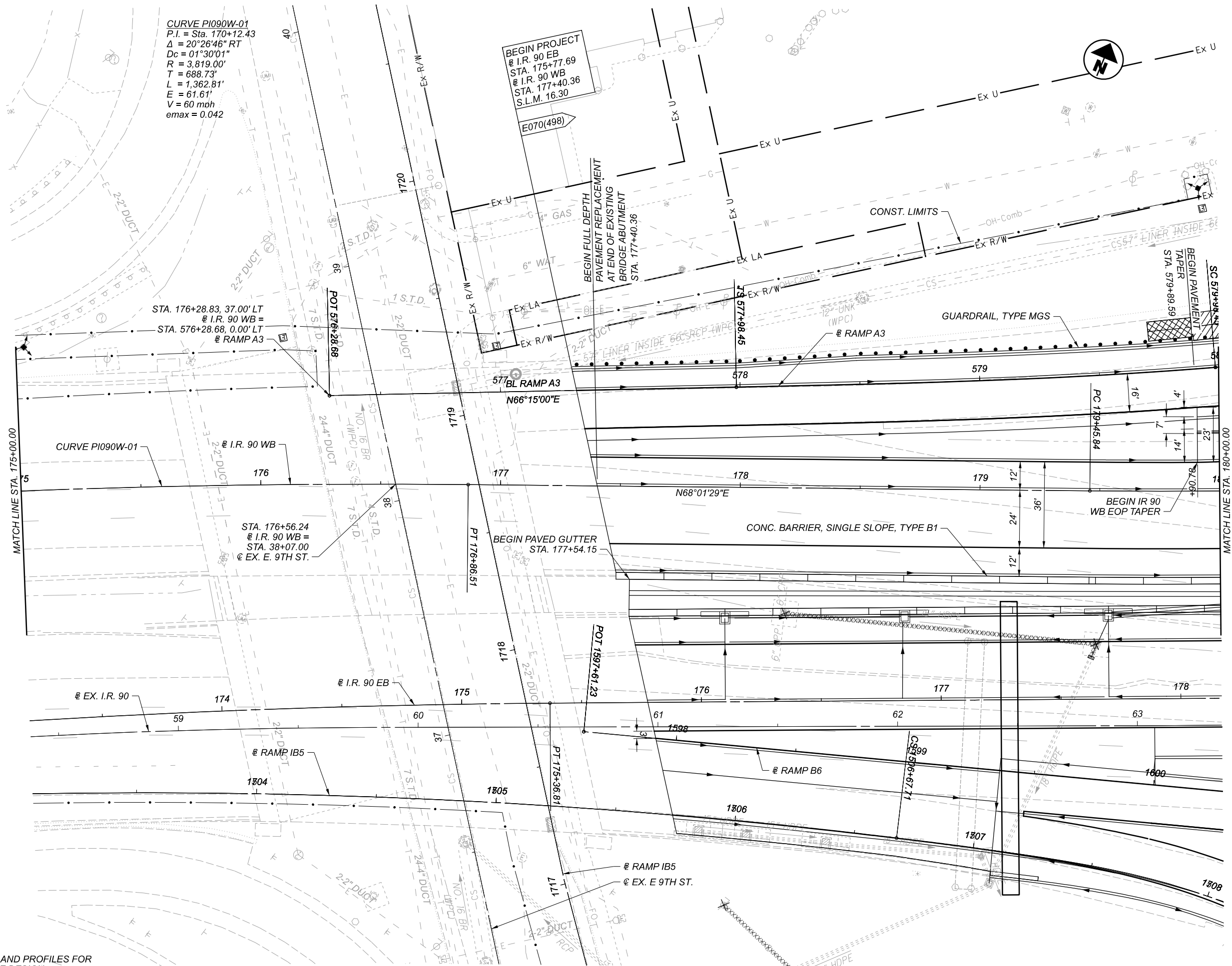
**CURVE PI090W-01**  
 P.I. = Sta. 170+12.43  
 $\Delta = 20^\circ 26' 46''$  RT  
 $D_c = 01^\circ 30' 01''$   
 $R = 3,819.00'$   
 $T = 688.73'$   
 $L = 1,362.81'$   
 $E = 61.61'$   
 $V = 60$  mph  
 $e_{max} = 0.042$



**PLAN - I.R. 90 WB**  
 STA. 170+00.00 TO STA. 175+00.00

DESIGN AGENCY	
<b>BURGESS &amp; NIPLÉ</b> 100 WEST EIRE STREET PAINESVILLE, OHIO 44077	
DESIGNER	
REVIEWER	
PROJECT ID 82382	
SHEET 350	TOTAL 2339





**CURVE PI090W-01**  
 P.I. = Sta. 170+12.43  
 $\Delta = 20^\circ 26' 46''$  RT  
 $D_c = 01^\circ 30' 01''$   
 $R = 3,819.00'$   
 $T = 688.73'$   
 $L = 1,362.81'$   
 $E = 61.61'$   
 $V = 60$  mph  
 $e_{max} = 0.042$

**BEGIN PROJECT**  
 @ I.R. 90 EB  
 STA. 175+77.69  
 @ I.R. 90 WB  
 STA. 177+40.36  
 S.L.M. 16.30

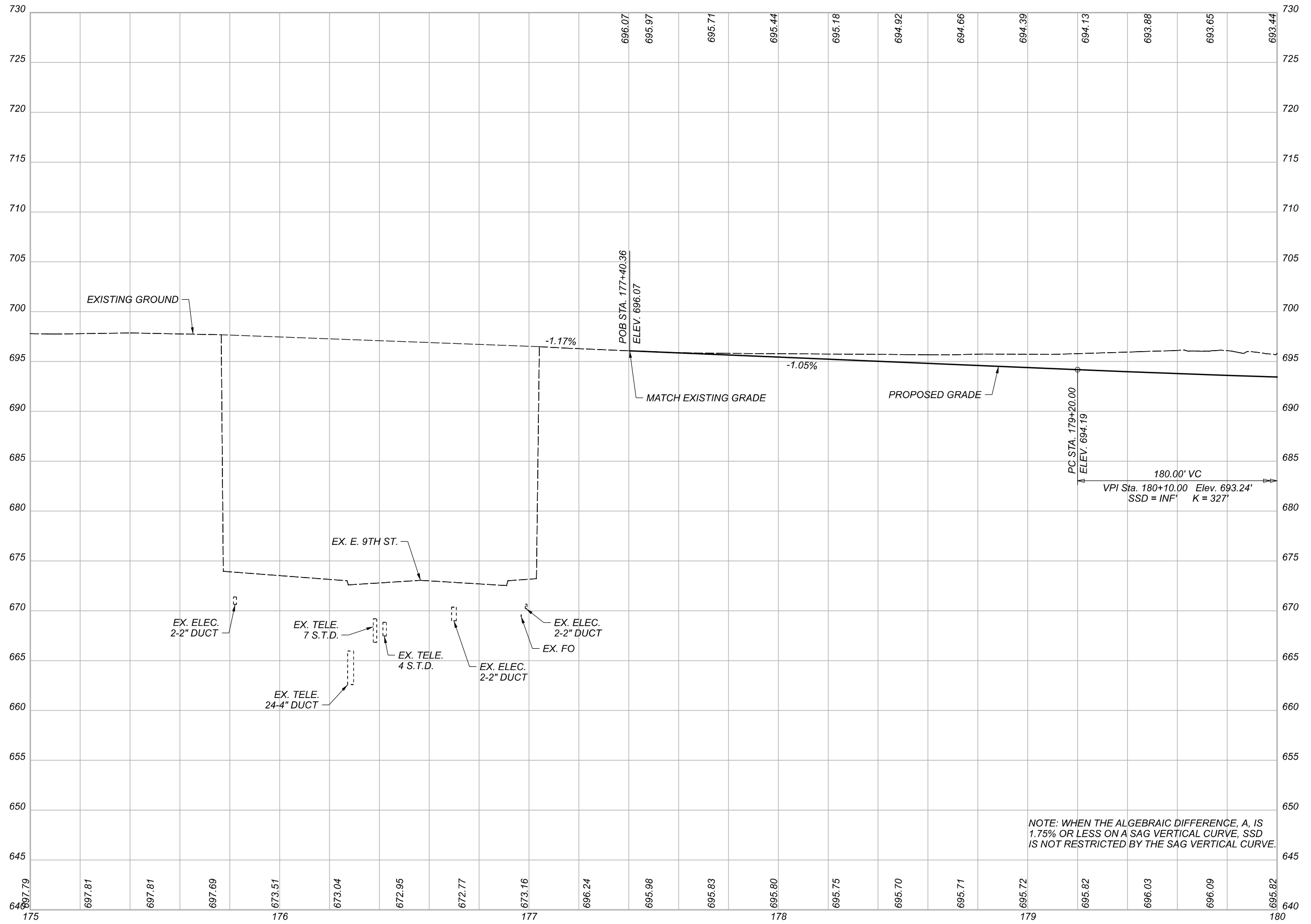


**PLAN - I.R. 90 WB**  
 STA. 175+00.00 TO STA. 180+00.00

- NOTES**
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	351
TOTAL	2339

**BURGESS & NIPLÉ**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

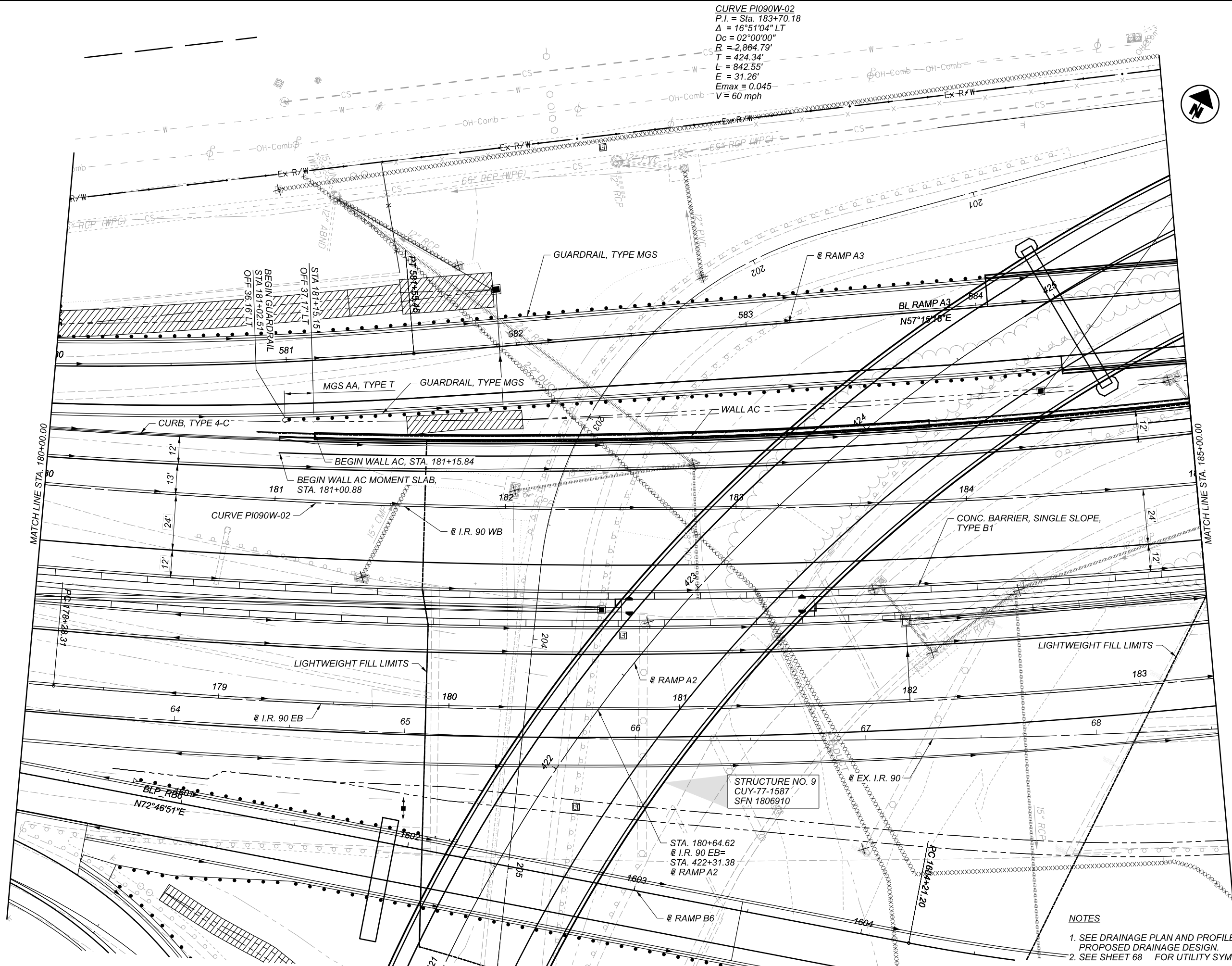


NOTE: WHEN THE ALGEBRAIC DIFFERENCE, A, IS 1.75% OR LESS ON A SAG VERTICAL CURVE, SSD IS NOT RESTRICTED BY THE SAG VERTICAL CURVE.

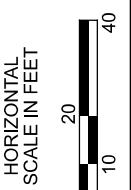
PROFILE - I.R. 90 WB  
 STA. 175+00.00 TO STA. 180+00.00

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	352
TOTAL	2339

**BURGESS & NIPLÉ**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077



CURVE PI090W-02  
 P.I. = Sta. 183+70.18  
 Δ = 16°51'04" LT  
 Dc = 02°00'00"  
 R = 2,864.79'  
 T = 424.34'  
 L = 842.55'  
 E = 31.26'  
 Emax = 0.045  
 V = 60 mph



PLAN - I.R. 90 WB  
 STA. 180+00.00 TO STA. 185+00.00

- NOTES
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	353
TOTAL	2339

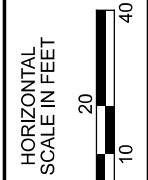
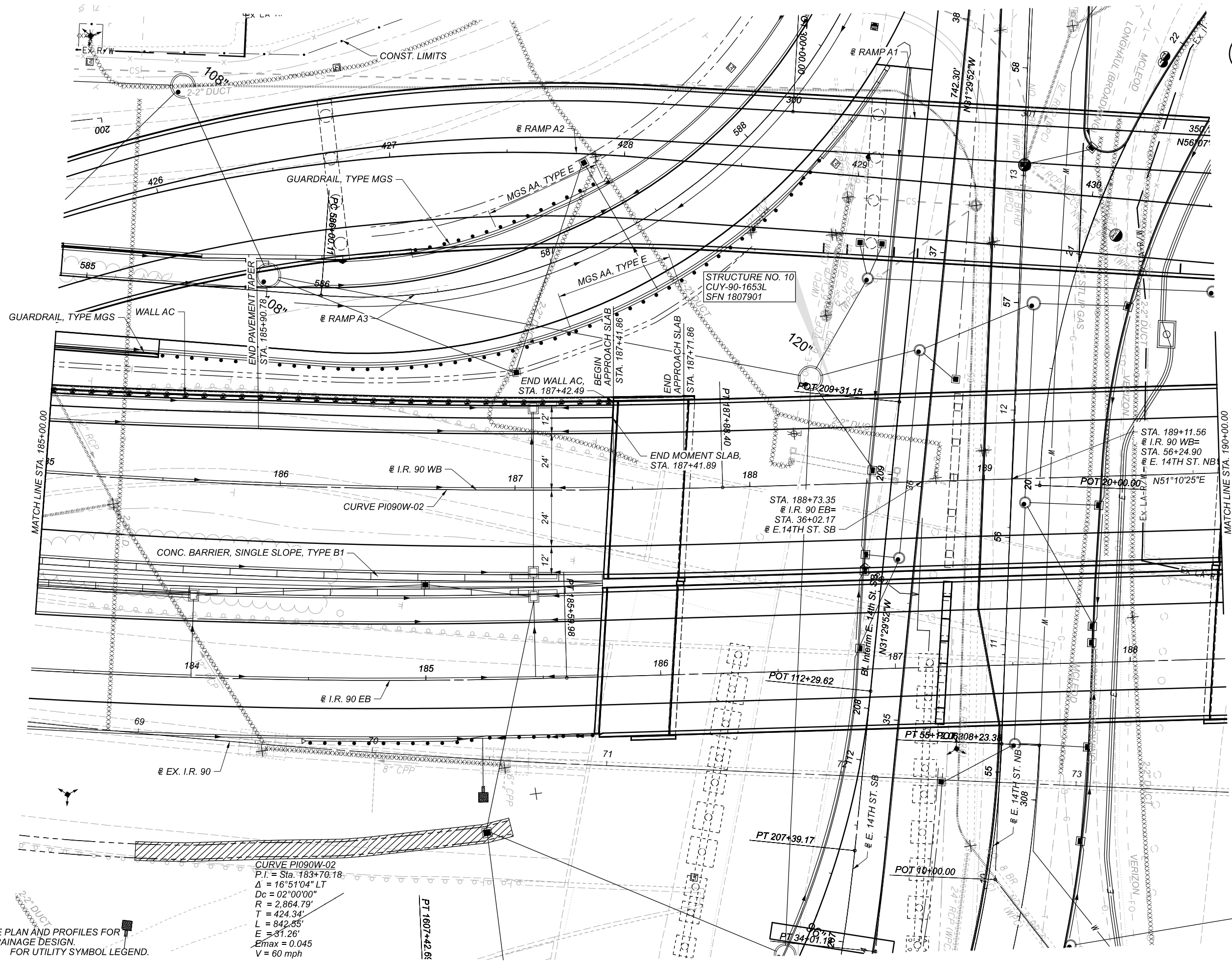
**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077



NOTES

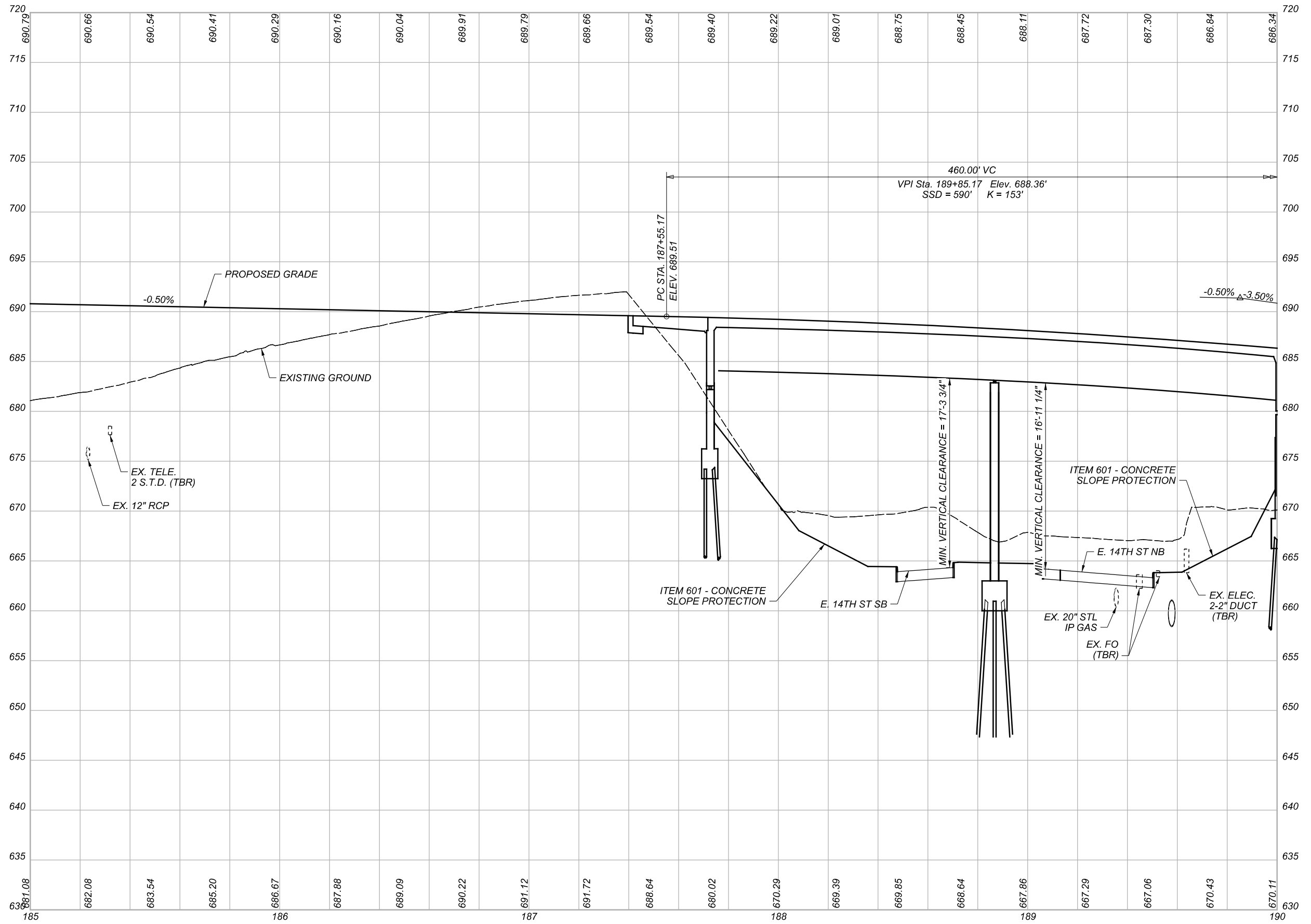
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
- SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

CURVE P1090W-02  
 P.I. = Sta. 183+70.18  
 $\Delta = 16^{\circ}51'04''$  LT  
 $D_c = 02^{\circ}00'00''$   
 $R = 2,864.79'$   
 $T = 424.34'$   
 $L = 842.55'$   
 $E = 31.26'$   
 $E_{max} = 0.045$   
 $V = 60$  mph



PLAN - I.R. 90 WB  
 STA. 185+00.00 TO STA. 190+00.00

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	355
TOTAL	2339

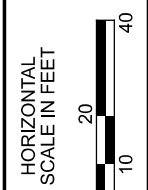
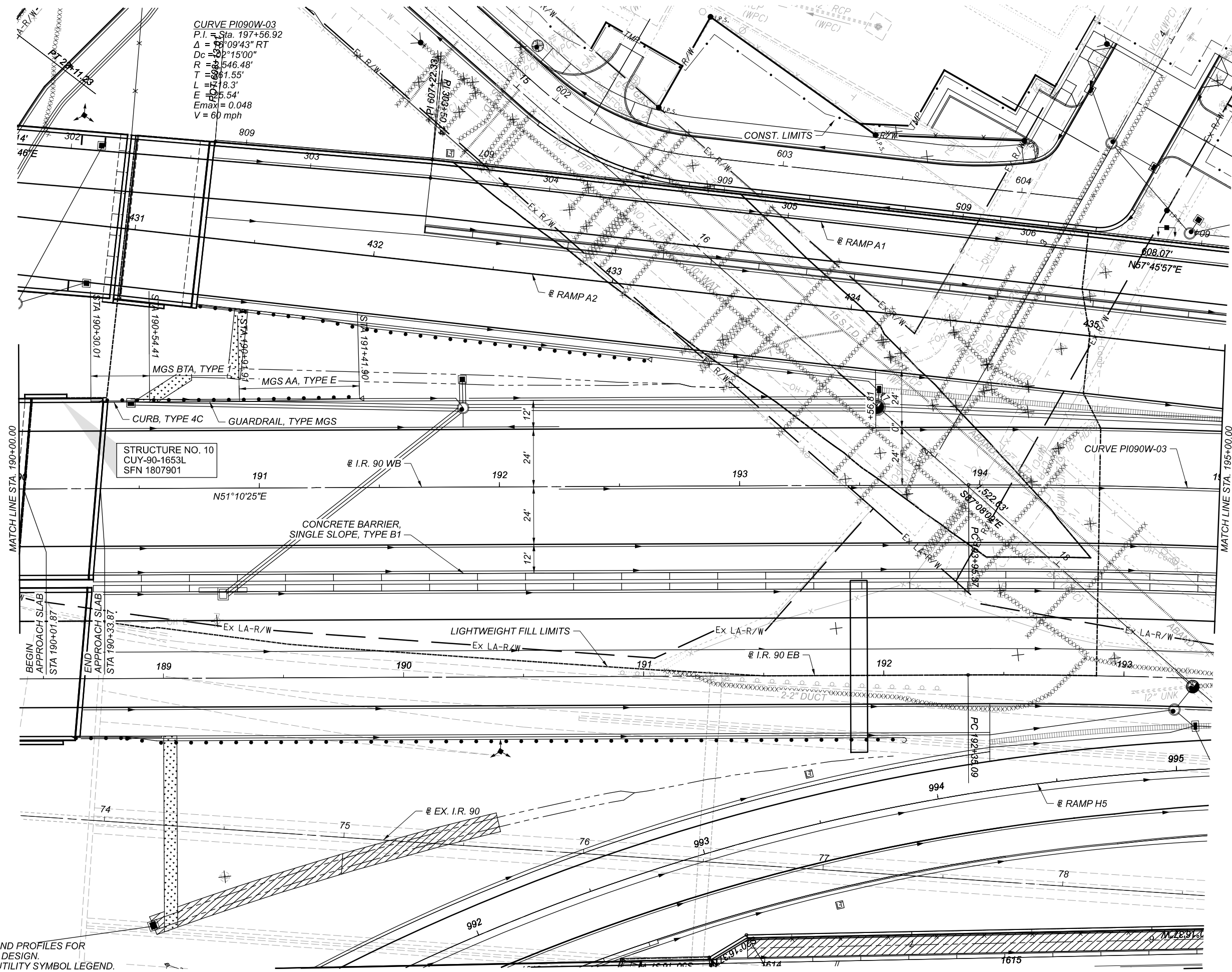


DESIGN AGENCY	
<b>BURGESS &amp; NIPLÉ</b> 100 WEST ERIE STREET PARSONSVILLE, OHIO 44077	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	356
TOTAL	2339

PROFILE - I.R. 90 WB  
 STA. 185+00.00 TO STA. 190+00.00

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - I.R. 90 WB  
 STA. 190+00.00 TO STA. 195+00.00

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

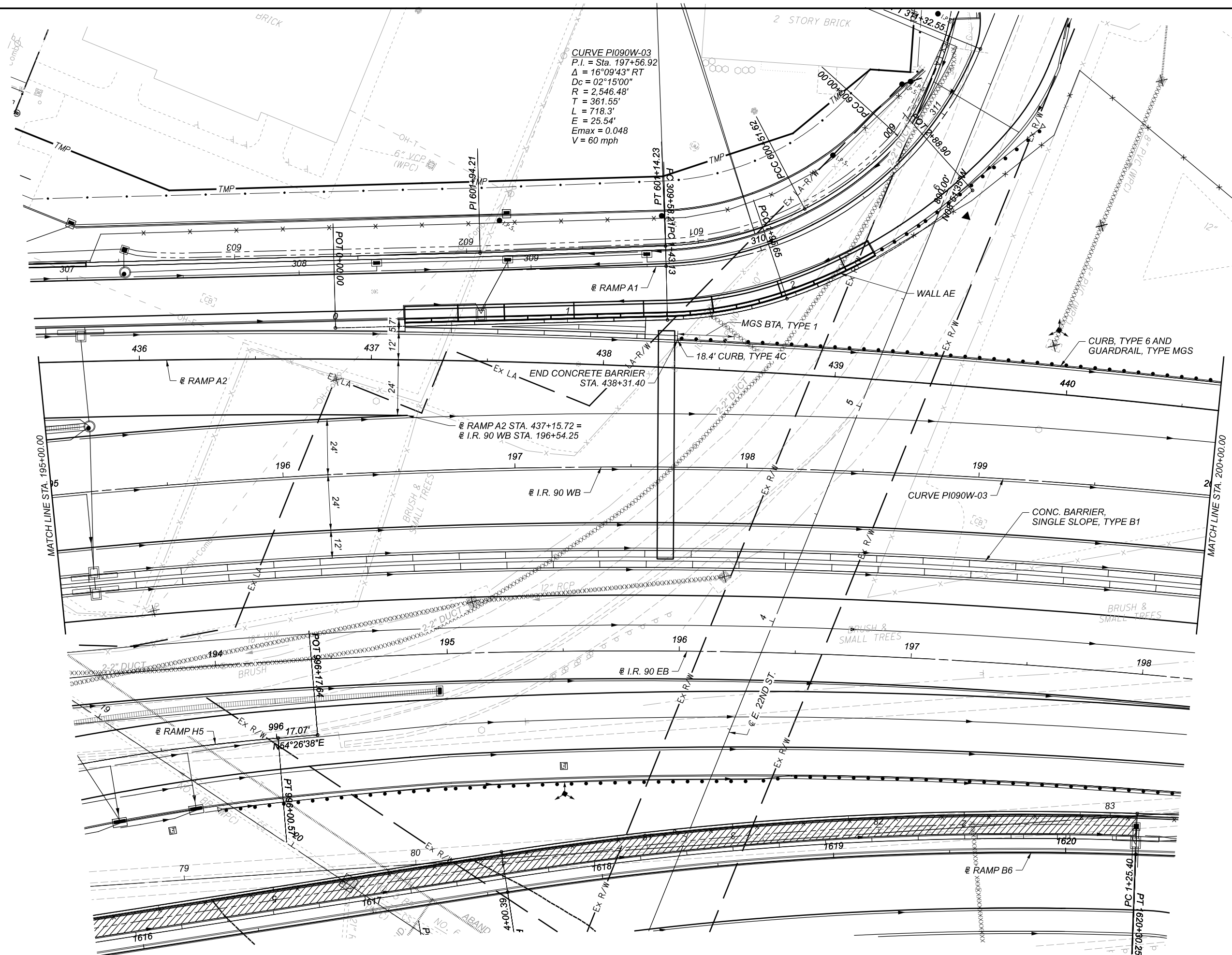
REVIEWER

PROJECT ID  
 82382

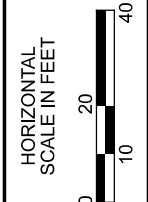
SHEET	TOTAL
357	2339







CURVE PI090W-03  
 P.I. = Sta. 197+56.92  
 $\Delta = 16^\circ 09' 43''$  RT  
 $D_c = 02^\circ 15' 00''$   
 $R = 2,546.48'$   
 $T = 361.55'$   
 $L = 718.3'$   
 $E = 25.54'$   
 $E_{max} = 0.048$   
 $V = 60$  mph

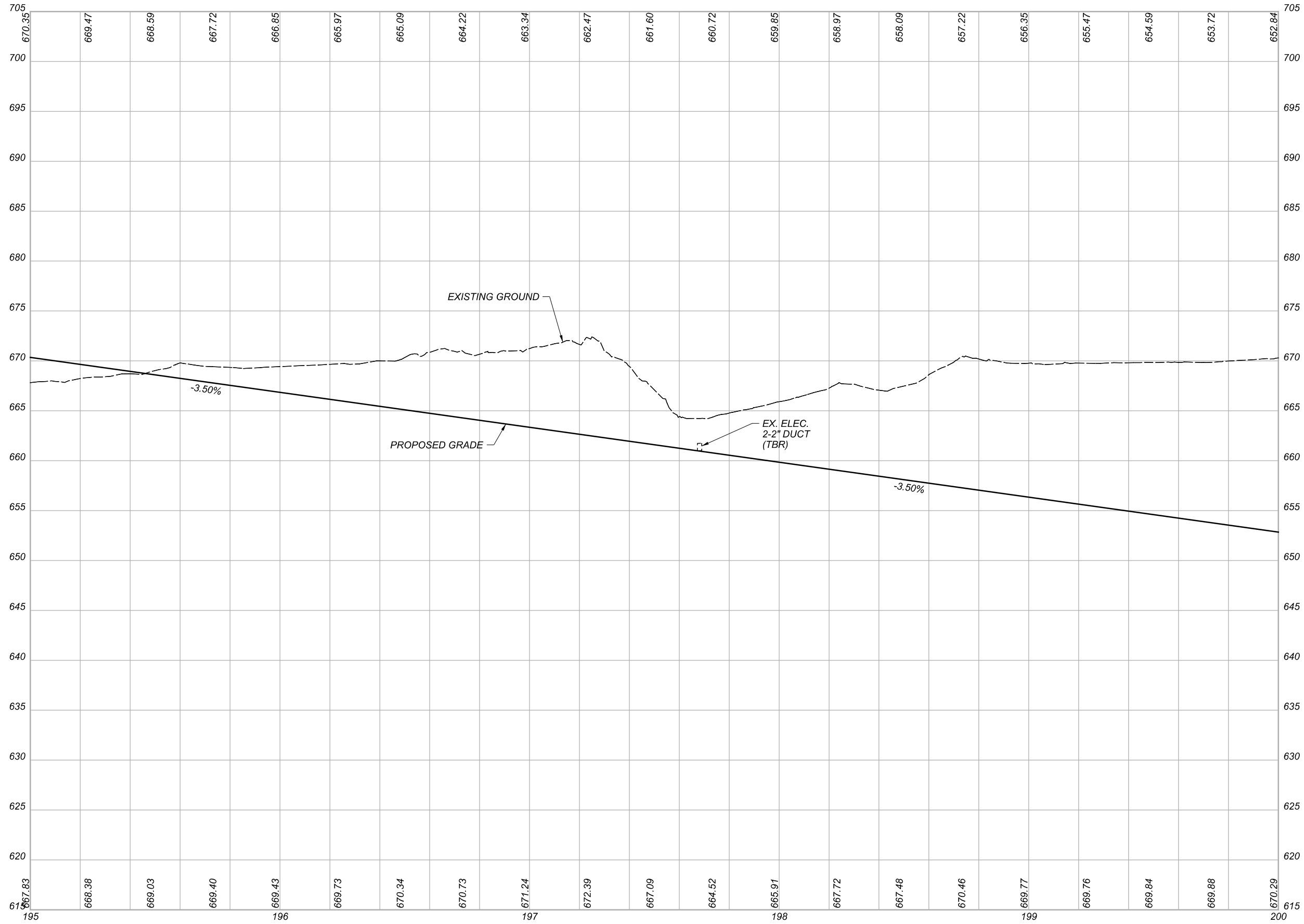


PLAN - I.R. 90 WB  
 STA. 195+00.00 TO STA. 200+00.00

DESIGN AGENCY	
DESIGNER	BURGESS & NIPLÉ 100 WEST ERIE STREET PAINESVILLE, OHIO 44077
REVIEWER	
PROJECT ID	82382
SHEET	359
TOTAL	2339

CUY-90-16.28 (CCG3A)

MODEL: GF2205 PAPER SIZE: (Full In.) DATE: 6/22/2022 TIME: 8:35:14 PM USER: Kevin.McNutt  
 pw:\mb-us-pw-bentley.comb-us-pw-03\Documents\Cleveland\_OH\01\_Projects\0001\District12\82382\400-Engineering\Roadway\Sheets\82382\_GF2205.dgn



PROFILE - I.R. 90 WB  
 STA. 195+00.00 TO STA. 200+00.00

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

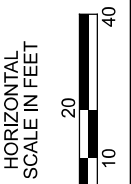
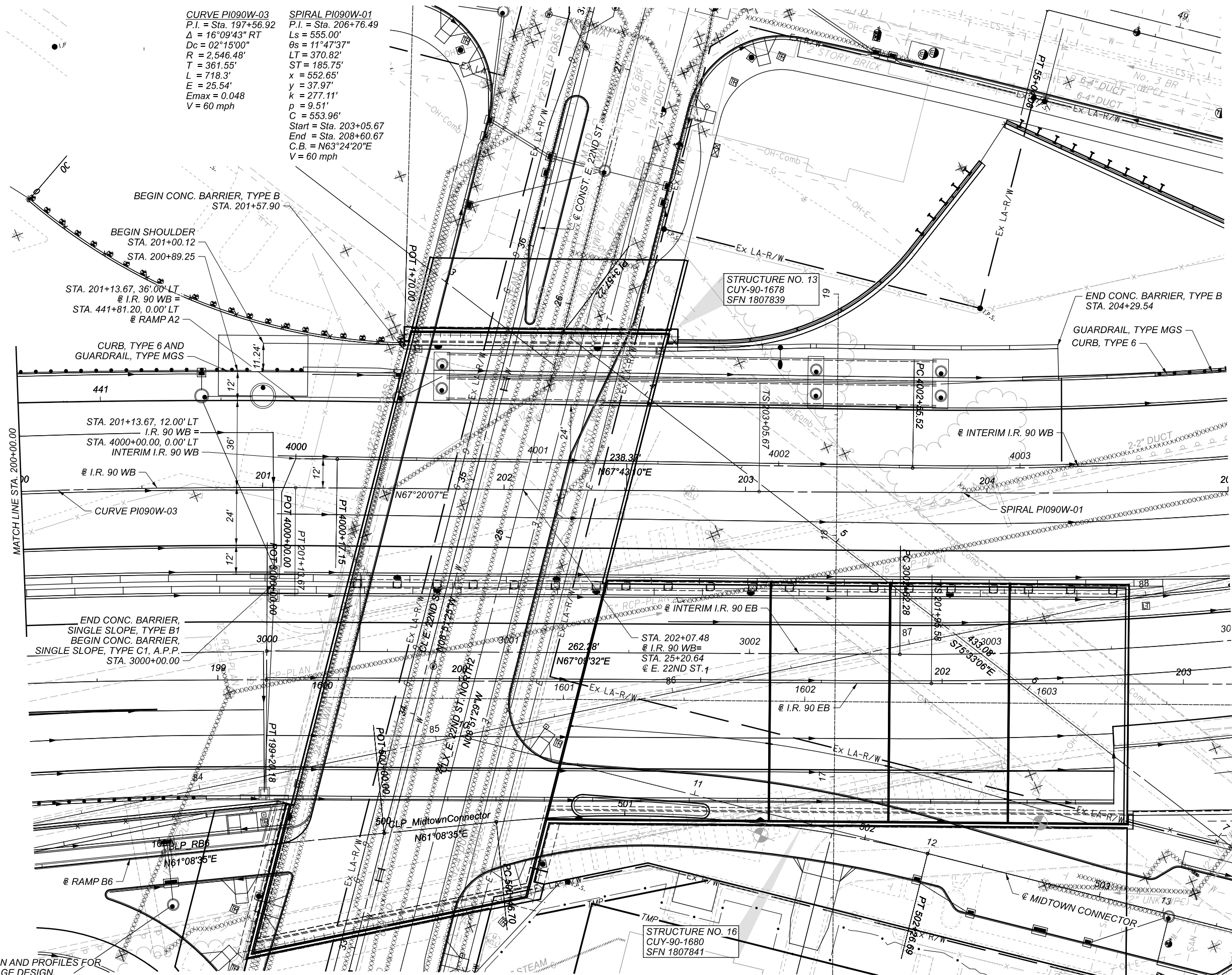
REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
360	2339

**CURVE PI090W-03**  
 P.I. = Sta. 197+56.92  
 $\Delta = 16^{\circ}09'43''$  RT  
 $Dc = 02^{\circ}15'00''$   
 $R = 2,546.48'$   
 $T = 361.55'$   
 $L = 718.3'$   
 $E = 25.54'$   
 $E_{max} = 0.048$   
 $V = 60$  mph

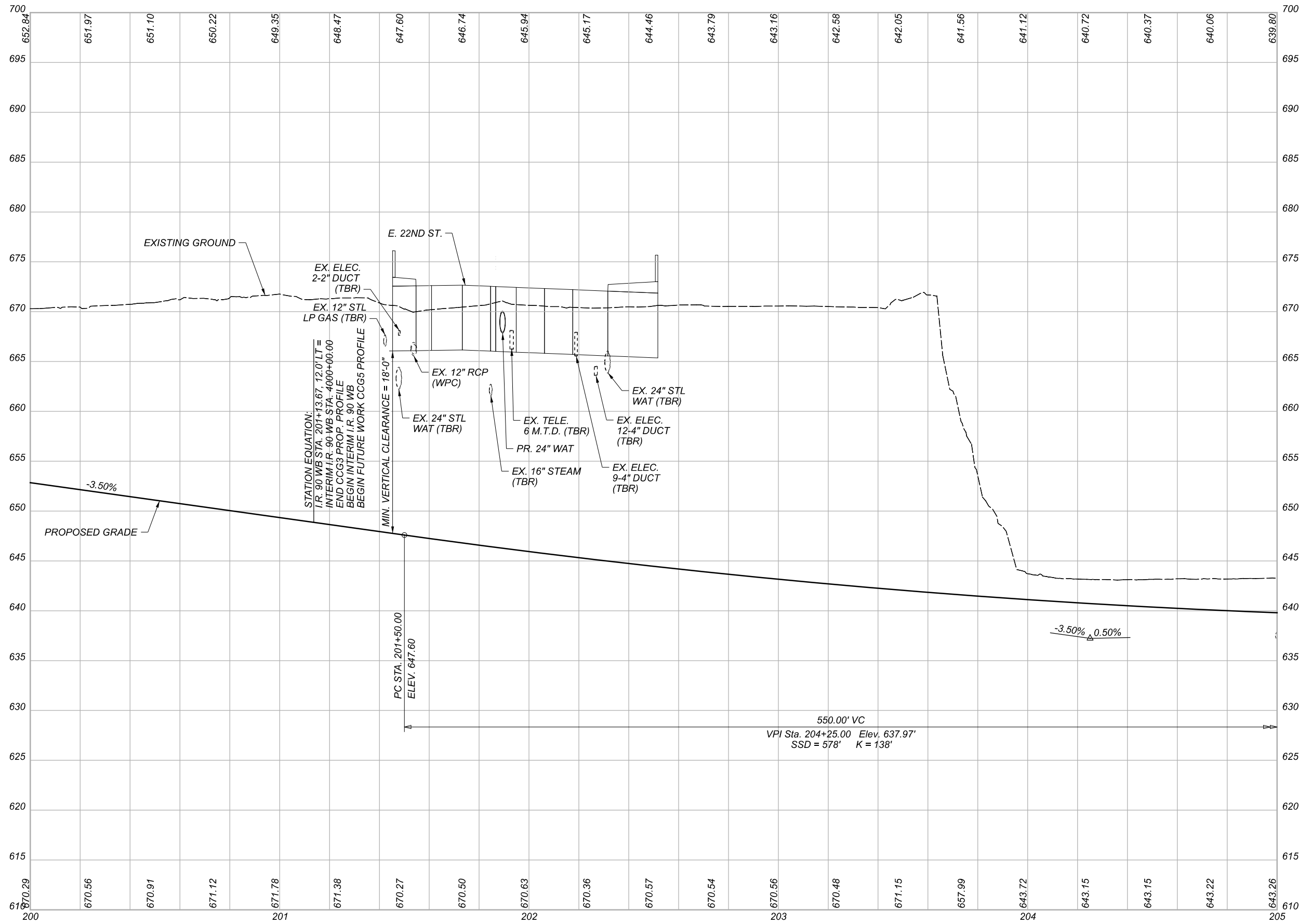
**SPIRAL PI090W-01**  
 P.I. = Sta. 206+76.49  
 $Ls = 555.00'$   
 $\theta_s = 11^{\circ}47'37''$   
 $LT = 370.82'$   
 $ST = 185.75'$   
 $x = 552.65'$   
 $y = 37.97'$   
 $k = 277.11'$   
 $p = 9.51'$   
 $C = 553.96'$   
 Start = Sta. 203+05.67  
 End = Sta. 208+60.67  
 C.B. =  $N63^{\circ}24'20''E$   
 $V = 60$  mph



PLAN - I.R. 90 WB  
 STA. 200+00.00 TO STA. 205+00.00

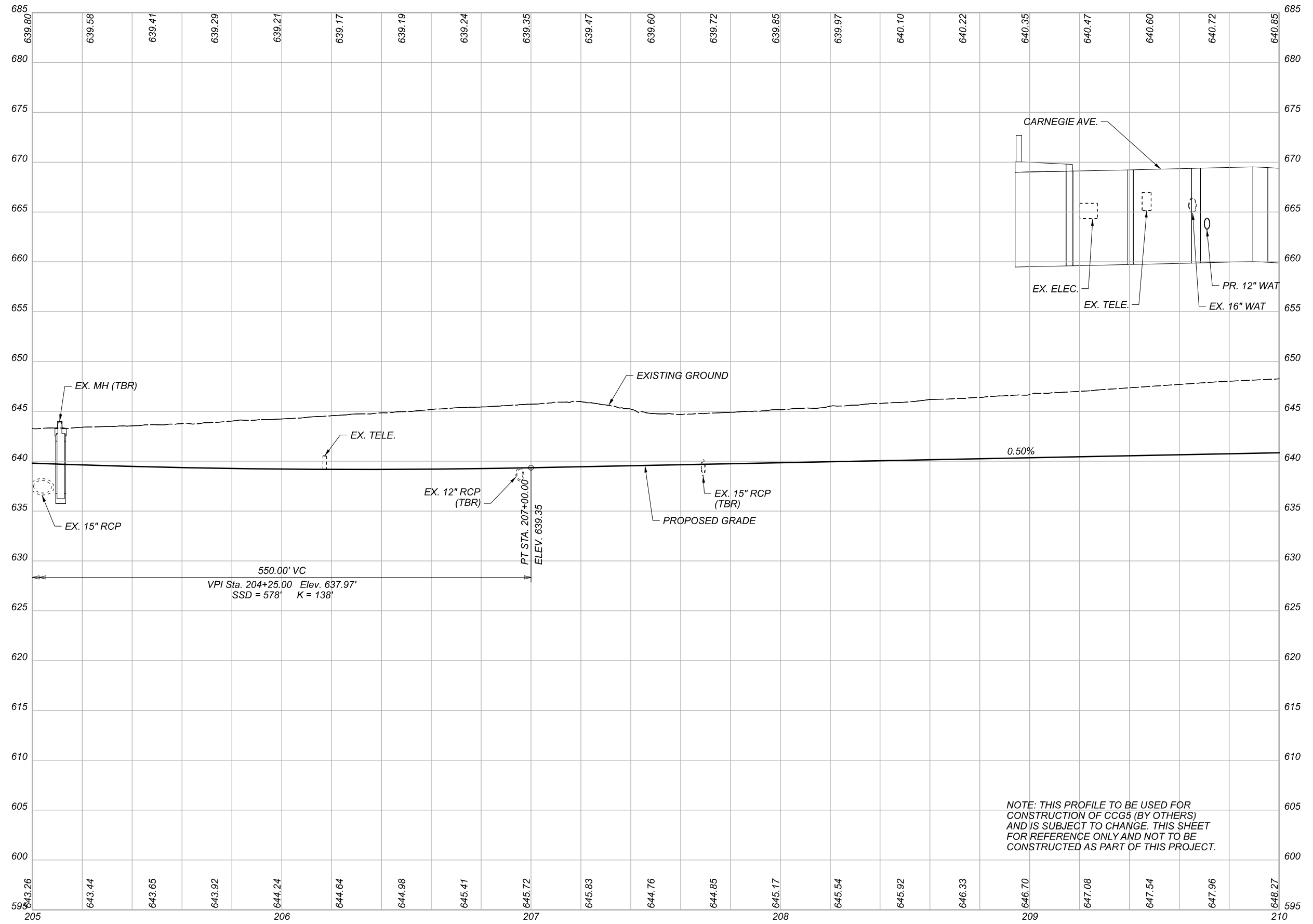
- NOTES**
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY	
<b>BURGESS &amp; NIPLE</b> 100 WEST ERIE STREET PAINESVILLE, OHIO 44077	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
361	2339



PROFILE - I.R. 90 WB  
 STA. 200+00.00 TO STA. 205+00.00

DESIGN AGENCY	
<b>BURGESS &amp; NIPLÉ</b> 100 WEST ERIE STREET PAINESVILLE, OHIO 44077	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	362
TOTAL	2339



NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

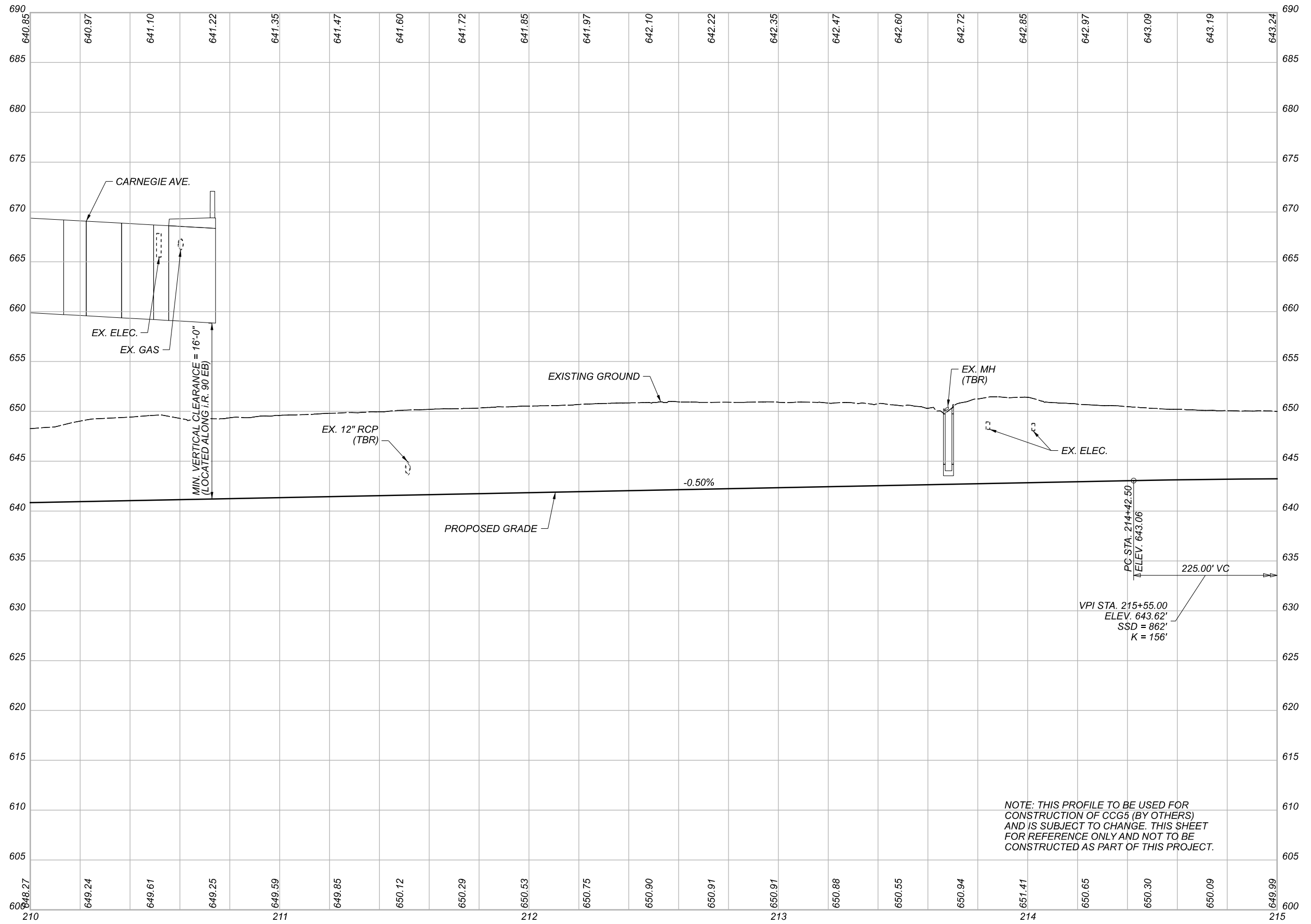
DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
363	2339

PROFILE - I.R. 90 WB  
 STA. 205+00.00 TO STA. 210+00.00



NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

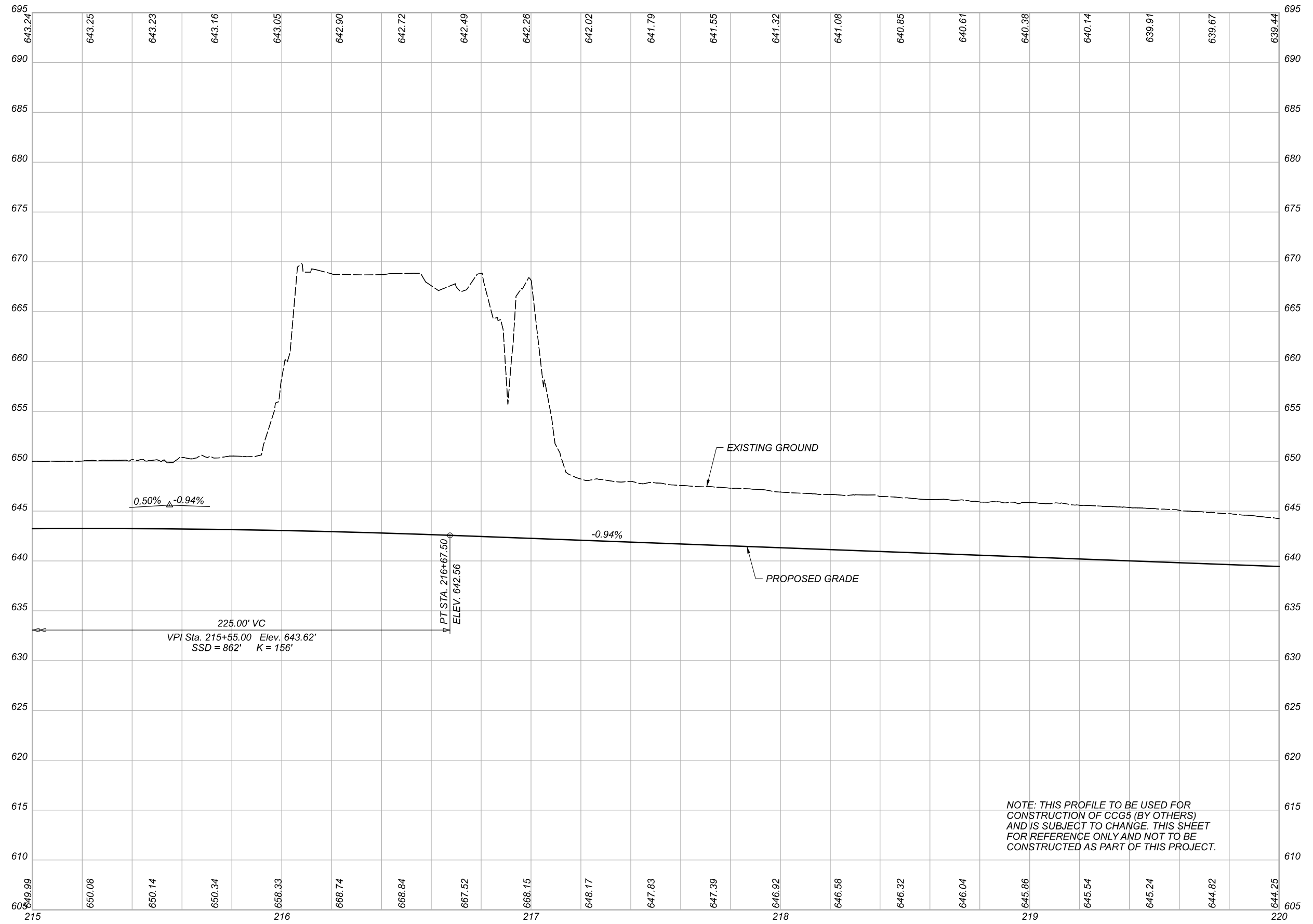
REVIEWER

PROJECT ID

82382

SHEET TOTAL

364 2339



NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

PROFILE - I.R. 90 WB  
 STA. 215+00.00 TO STA. 220+00.00

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

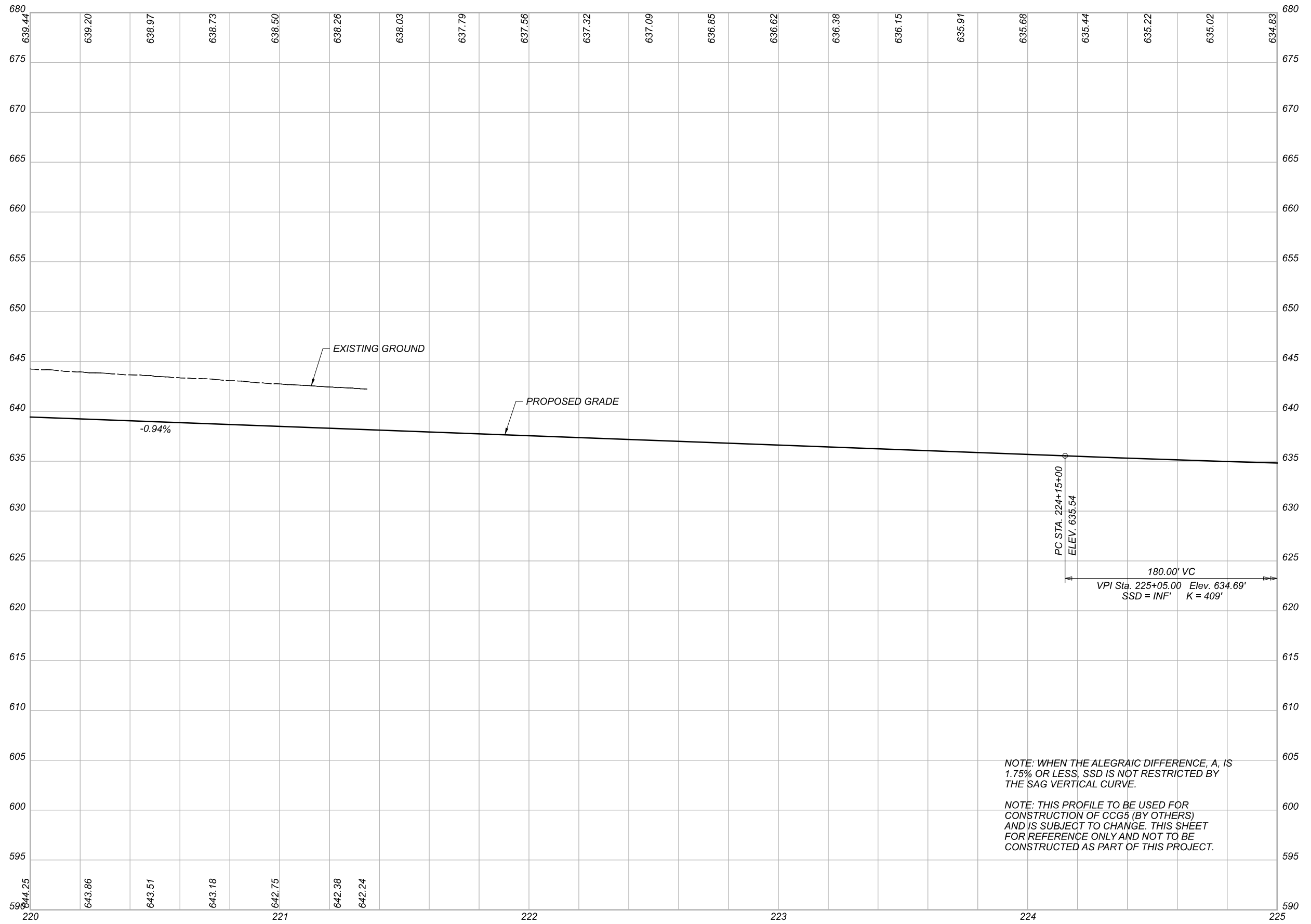
REVIEWER

PROJECT ID

82382

SHEET TOTAL

365 2339



NOTE: WHEN THE ALEGRAIC DIFFERENCE, A, IS 1.75% OR LESS, SSD IS NOT RESTRICTED BY THE SAG VERTICAL CURVE.

NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

PROFILE - I.R. 90 WB  
 STA. 220+00.00 TO STA. 225+00.00

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

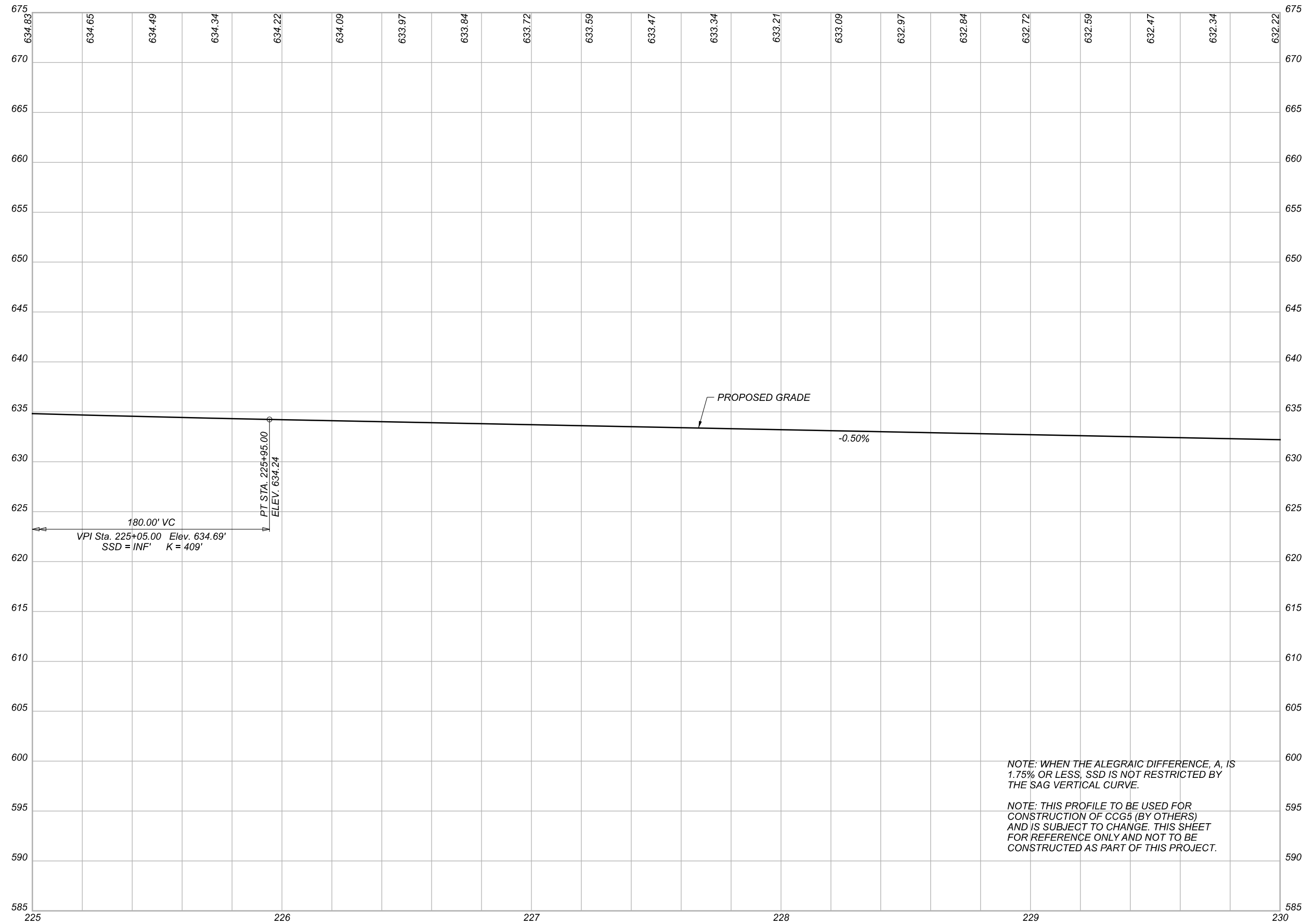
PROJECT ID

82382

SHEET TOTAL

366 2339





NOTE: WHEN THE ALLEGRAIC DIFFERENCE, A, IS 1.75% OR LESS, SSD IS NOT RESTRICTED BY THE SAG VERTICAL CURVE.

NOTE: THIS PROFILE TO BE USED FOR CONSTRUCTION OF CCG5 (BY OTHERS) AND IS SUBJECT TO CHANGE. THIS SHEET FOR REFERENCE ONLY AND NOT TO BE CONSTRUCTED AS PART OF THIS PROJECT.

PROFILE - I.R. 90 WB  
 STA. 225+00.00 TO STA. 230+00.00

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID

82382

SHEET TOTAL

367 2339

**CURVE PI090WT-02**  
 P.I. = Sta. 4006+44.80  
 $\Delta = 29^{\circ}30'01''$  LT  
 $D_c = 03^{\circ}52'30''$   
 $R = 1,478.60'$   
 $T = 389.29'$   
 $L = 761.30'$   
 $E = 50.39'$   
 $E_{max} = 0.051$

**CURVE PI090WT-01**  
 P.I. = Sta. 4000+08.58  
 $\Delta = 00^{\circ}23'03''$  RT  
 $D_c = 02^{\circ}14'22''$   
 $R = 2,558.48'$   
 $T = 8.58'$   
 $L = 17.15'$   
 $E = .01'$   
 $E_{max} = 0.038$

STRUCTURE NO. 13  
 CUY-90-1678  
 SFN 1807839

STA. 4000+97.62  
 INTERIM @ I.R. 90 WB=  
 STA. 25+32.57  
 @ E. 22ND ST.

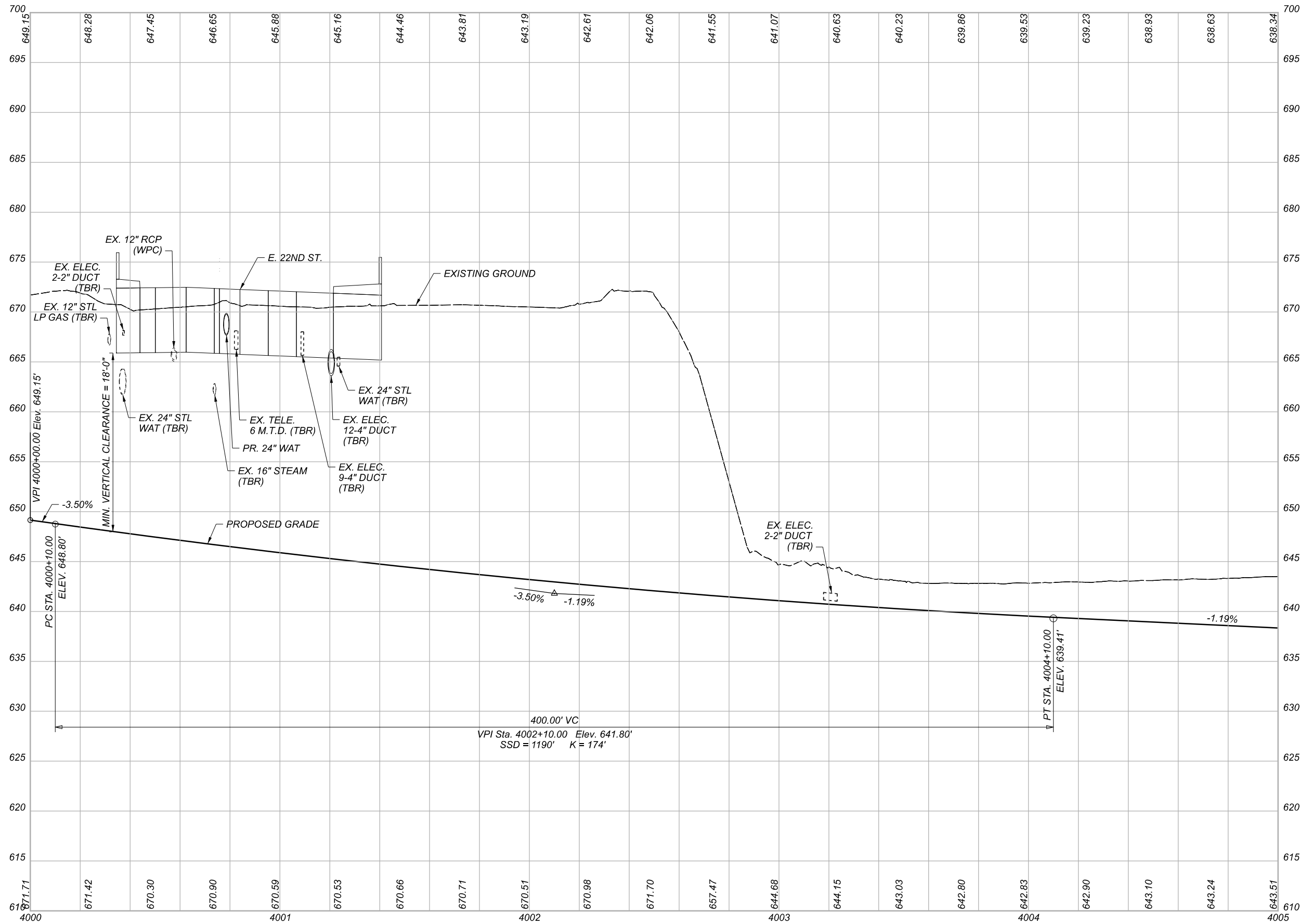
IMPACT  
 ATTENUATOR,  
 TYPE 2

STA. 4000+00.00  
 INTERIM @ I.R. 90 WB=  
 STA. 201+13.67, 12.0' LT  
 @ I.R. 90 WB



PLAN - INTERIM I.R. 90 WB  
 STA. 4000+00.00 TO STA. 4005+00.00

DESIGN AGENCY	
<b>BURGESS &amp; NIPLE</b> 100 WEST EIRE STREET PARMA, OHIO 44137	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	368
TOTAL	2339



DESIGN AGENCY

**BURGESS  
& NIPLE**  
 100 WEST BIRCH STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

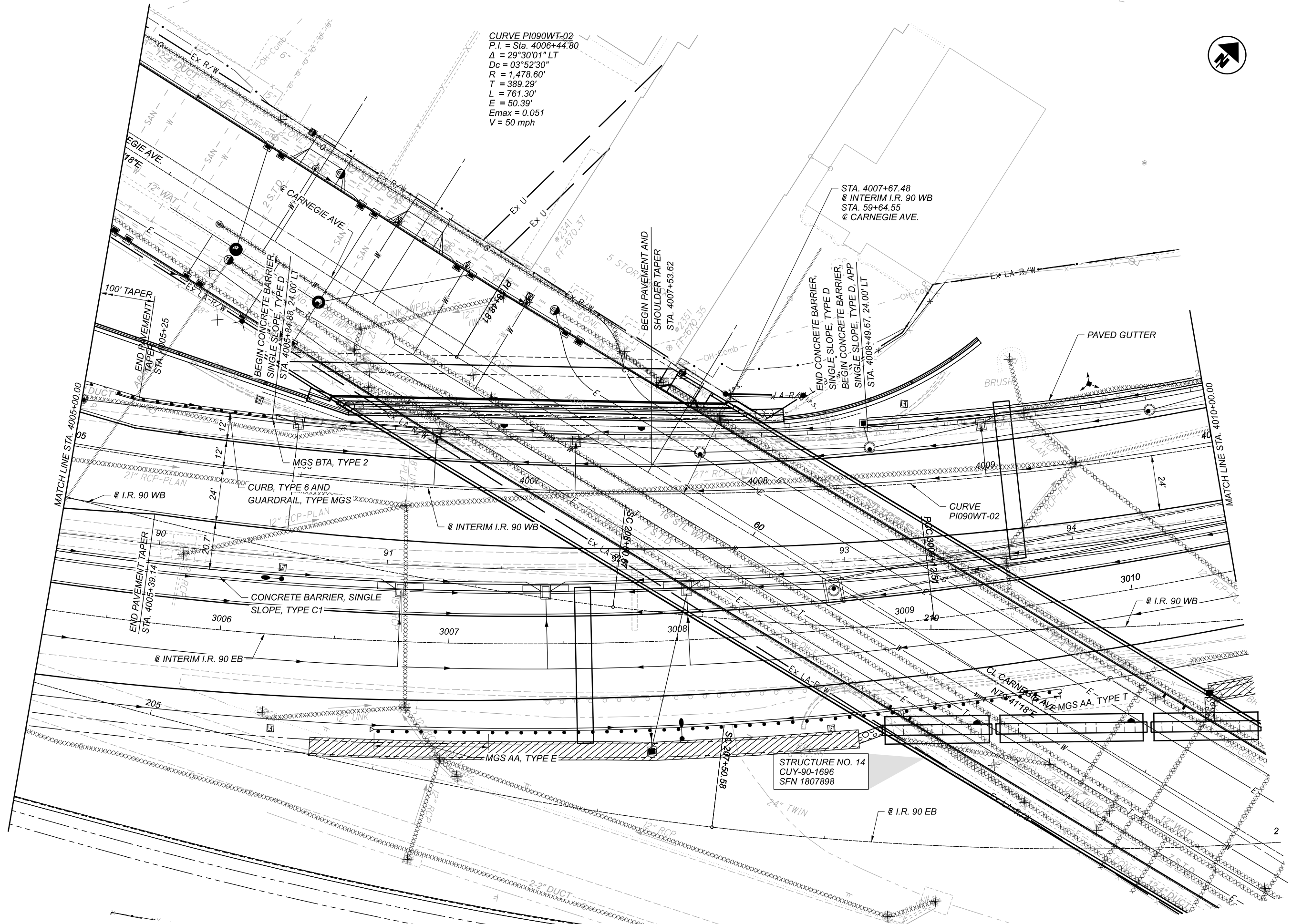
REVIEWER

PROJECT ID

82382

SHEET TOTAL

369 2339



CURVE PI090WT-02  
 P.I. = Sta. 4006+44.80  
 $\Delta = 29^\circ 30' 01''$  LT  
 $D_c = 03^\circ 52' 30''$   
 $R = 1,478.60'$   
 $T = 389.29'$   
 $L = 761.30'$   
 $E = 50.39'$   
 $E_{max} = 0.051$   
 $V = 50$  mph

STA. 4007+67.48  
 @ INTERIM I.R. 90 WB  
 STA. 59+64.55  
 @ CARNEGIE AVE.

STRUCTURE NO. 14  
 CUY-90-1696  
 SFN 1807898



PLAN - INTERIM I.R. 90 WB  
 STA. 4005+00.00 TO STA. 4010+00.00

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

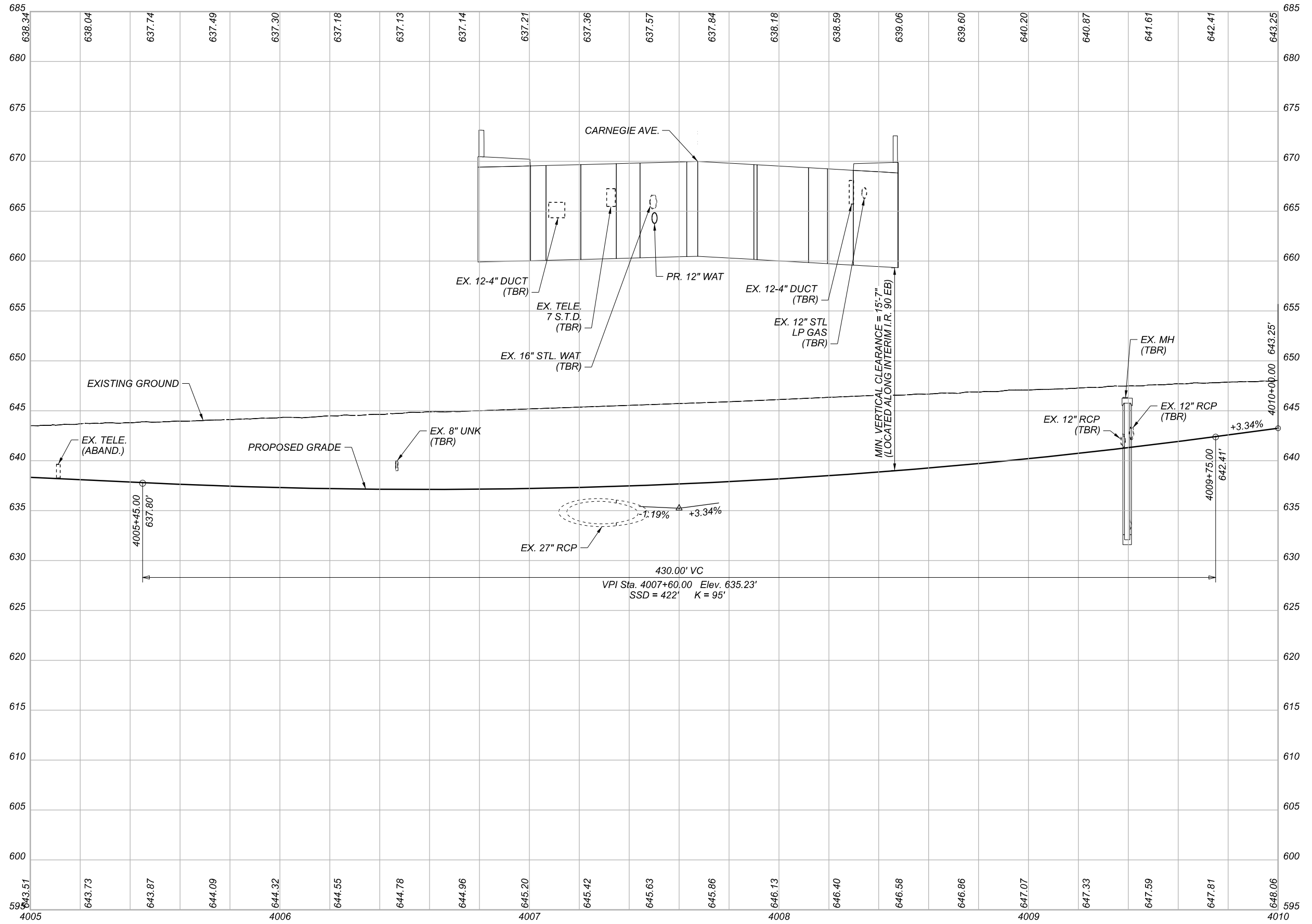
REVIEWER

PROJECT ID

82382

SHEET TOTAL

370 2339



PROFILE - INTERIM I.R. 90 WB  
 STA. 4005+00.00 TO STA. 4010+00.00

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST BIRCH STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

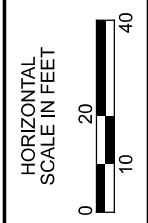
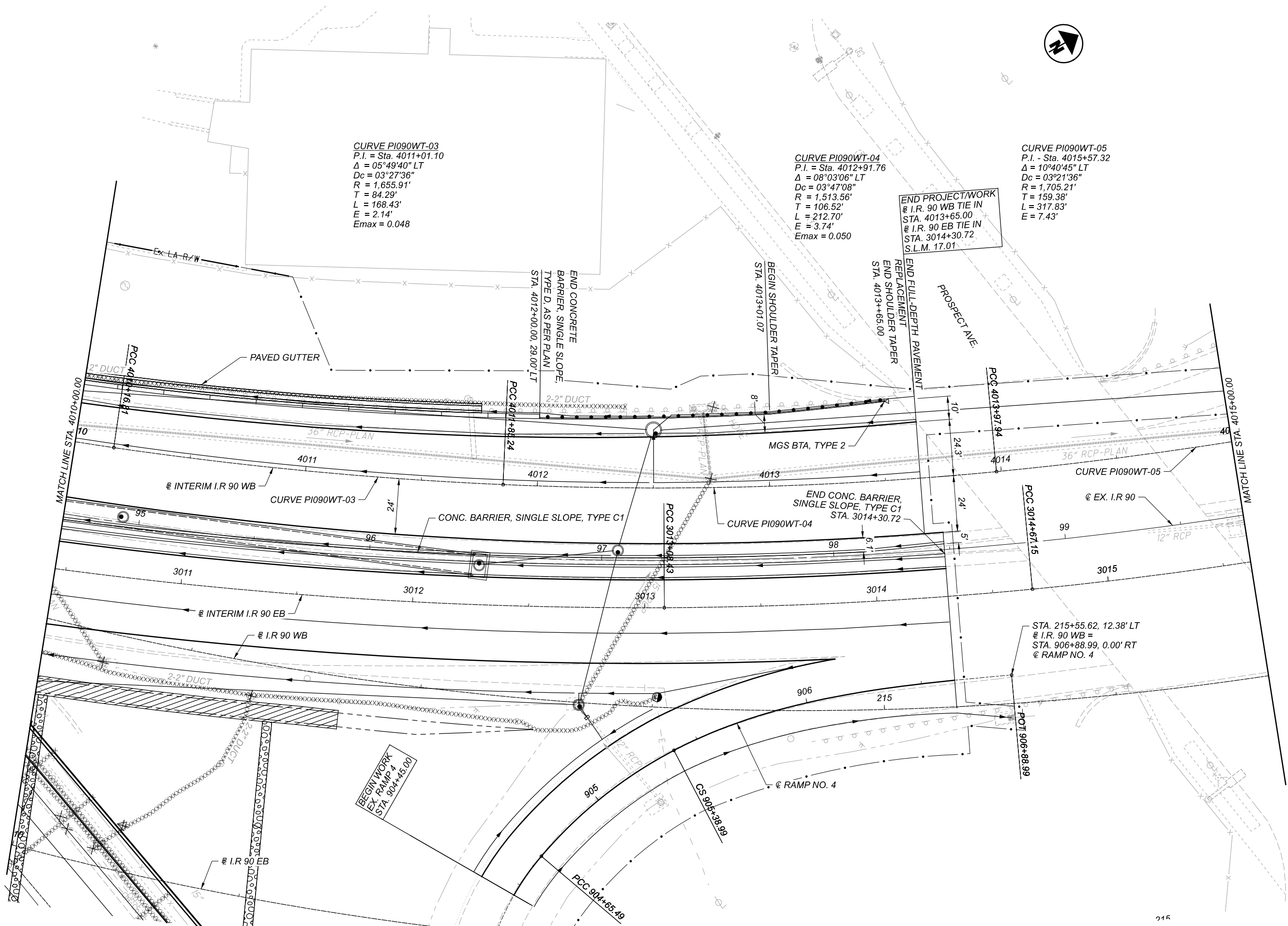
REVIEWER

PROJECT ID

82382

SHEET TOTAL

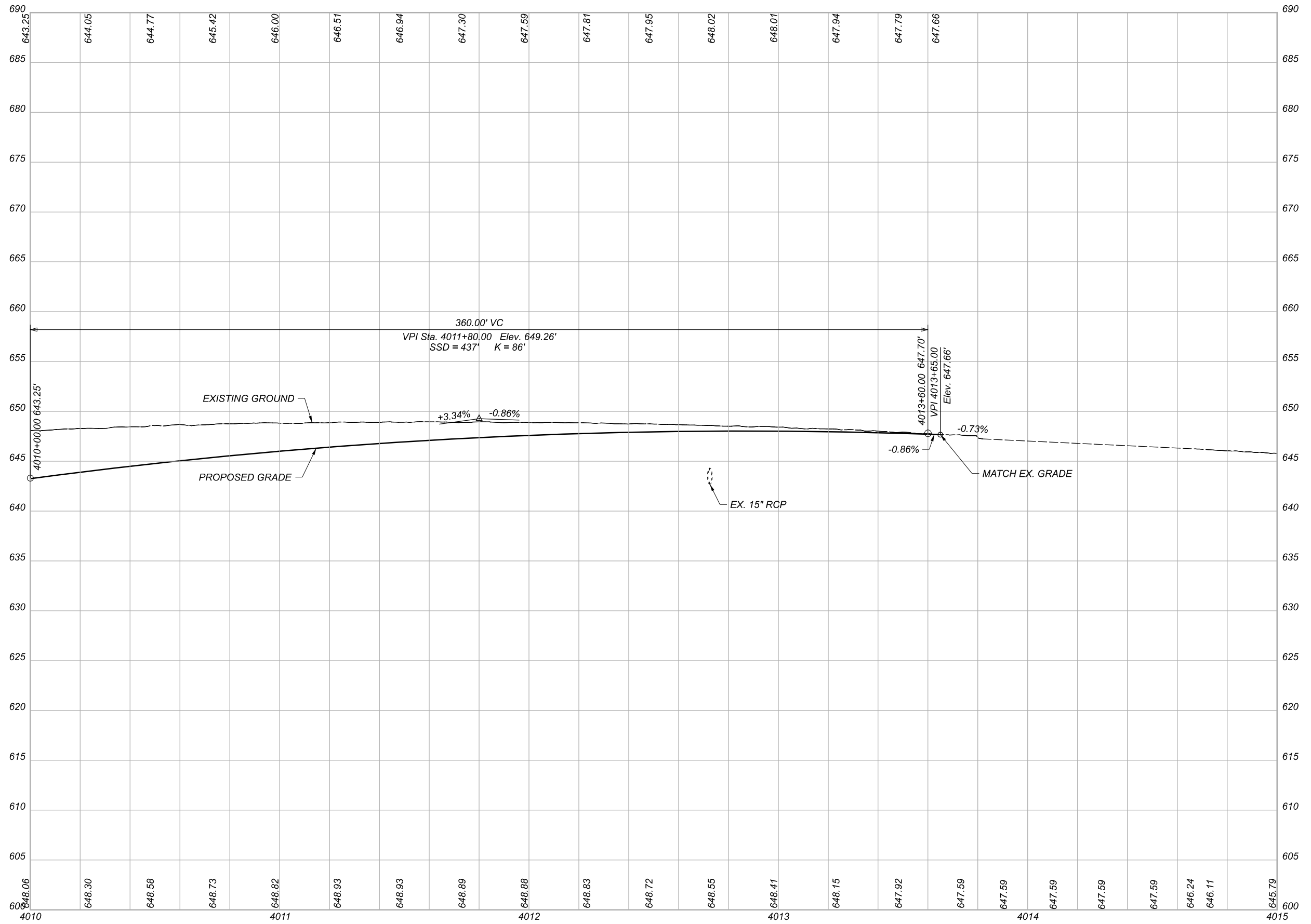
371 2339



PLAN - INTERIM I.R. 90 WB  
 STA. 4010+00.00 TO STA. 4015+00.00

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	372
TOTAL	2339

**BURGESS & NIPLÉ**  
 100 WEST EURE STREET  
 PAINESVILLE, OHIO 44077



PROFILE - INTERIM I.R. 90 WB  
 STA. 4010+00.00 TO STA. 4015+00.00

DESIGN AGENCY

**BURGESS & NIPLE**  
 60 WEST BIRCH STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

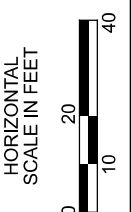
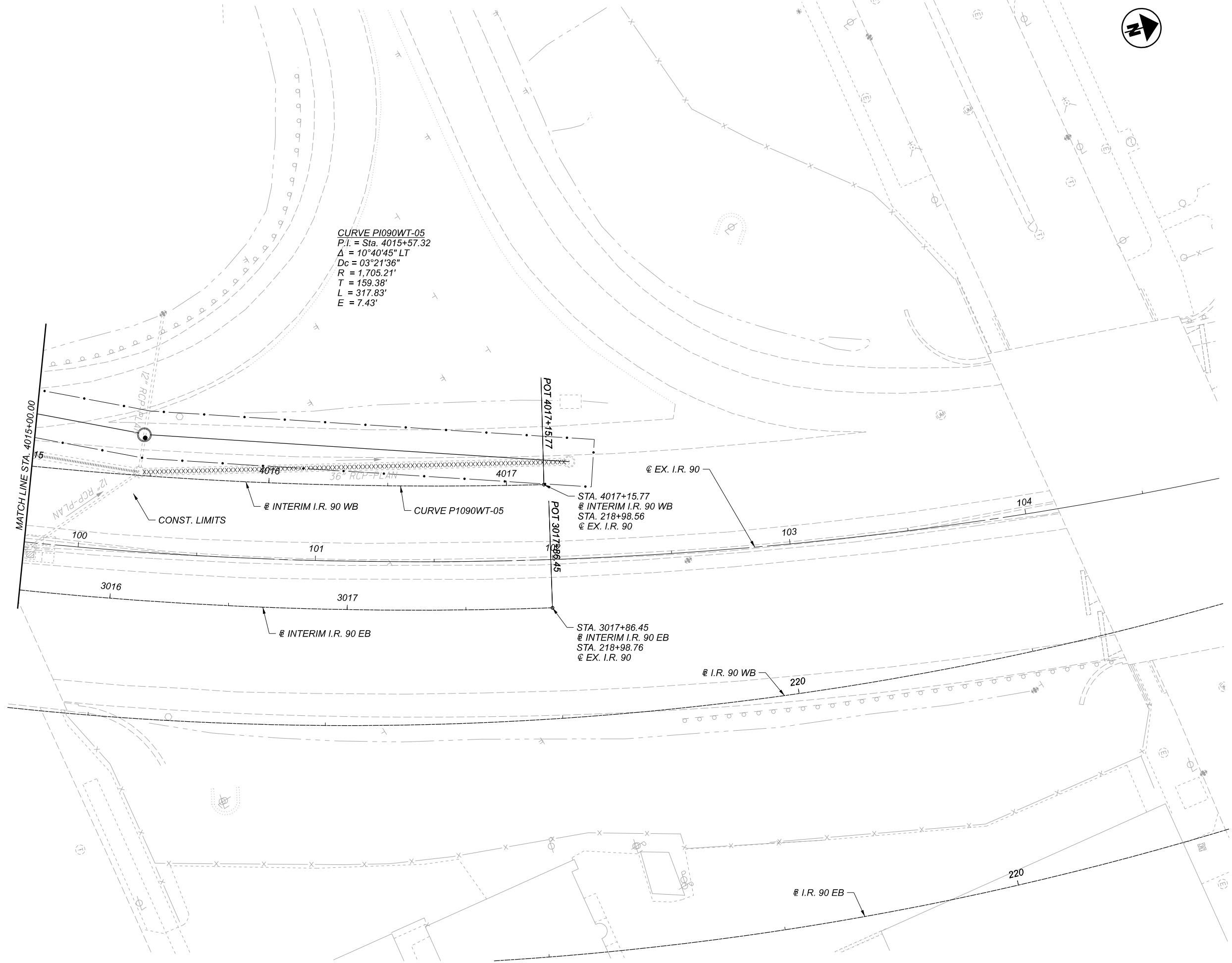
REVIEWER

PROJECT ID

82382

SHEET TOTAL

373 2339



PLAN - INTERIM I.R. 90 WB  
 STA. 4015+00.00 TO STA. 4017+15.77

DESIGN AGENCY

**BURGESS & NIPLÉ**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

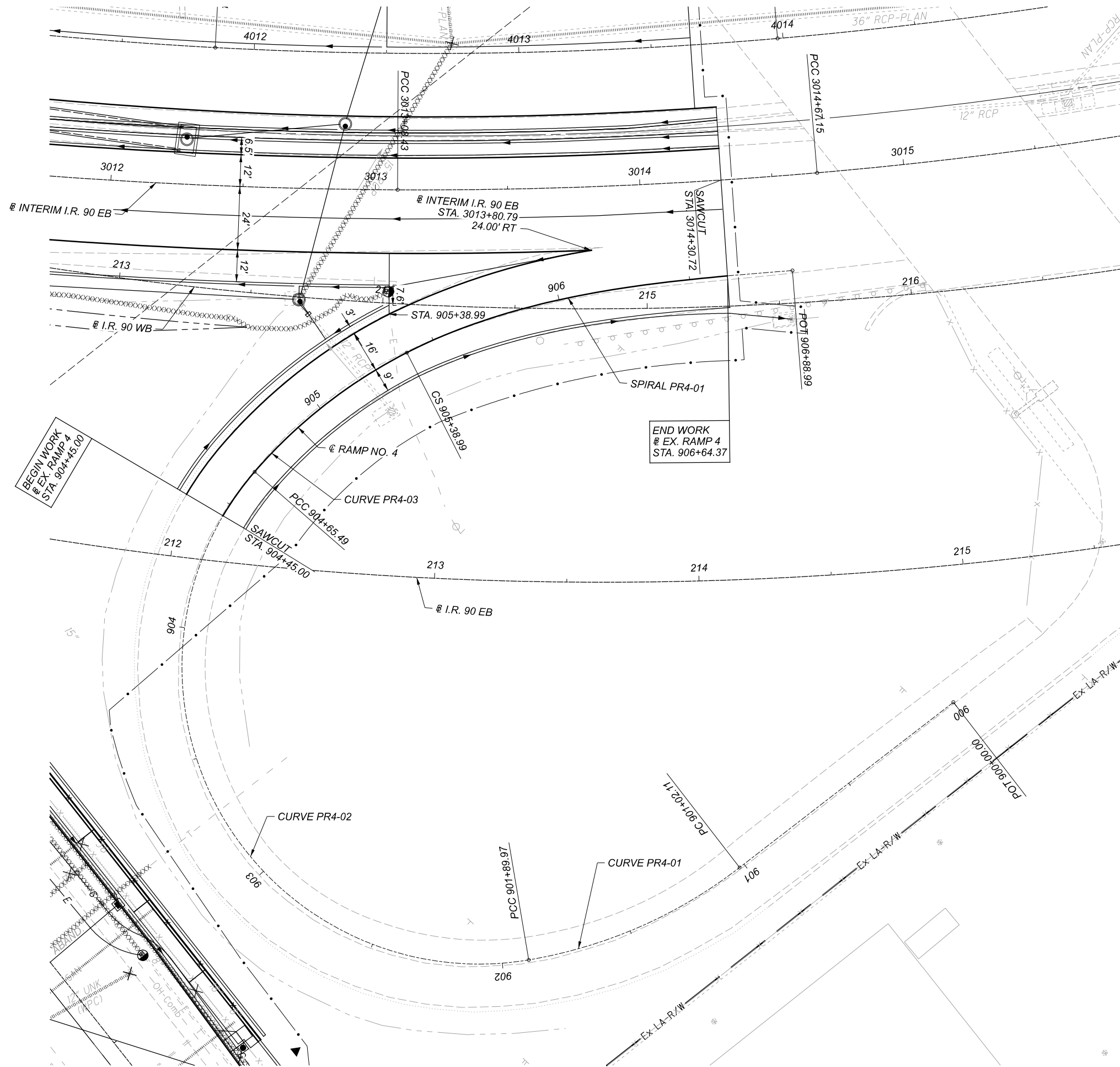
PROJECT ID

82382

SHEET TOTAL

374 2339





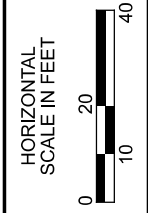
SPIRAL PR4-01

**CURVE PR4-03**  
 P.I. = Sta. 905+02.70  
 $\Delta = 22^\circ 02' 57''$  RT  
 $D_c = 30^\circ 00' 00''$   
 $R = 190.99'$   
 $T = 37.21'$   
 $L = 73.5'$   
 $E = 3.59'$

**CURVE PR4-02**  
 P.I. = Sta. 905+02.99  
 $\Delta = 140^\circ 30' 49''$  RT  
 $D_c = 51^\circ 00' 00''$   
 $R = 112.34'$   
 $T = 313.02'$   
 $L = 275.52'$   
 $E = 220.23'$

**CURVE PR4-01**  
 P.I. = Sta. 901+46.94  
 $\Delta = 28^\circ 07' 01''$  RT  
 $D_c = 32^\circ 00' 00''$   
 $R = 179.05'$   
 $T = 44.84'$   
 $L = 87.87'$   
 $E = 5.53'$

END WORK  
 @ EX. RAMP 4  
 STA. 906+64.37



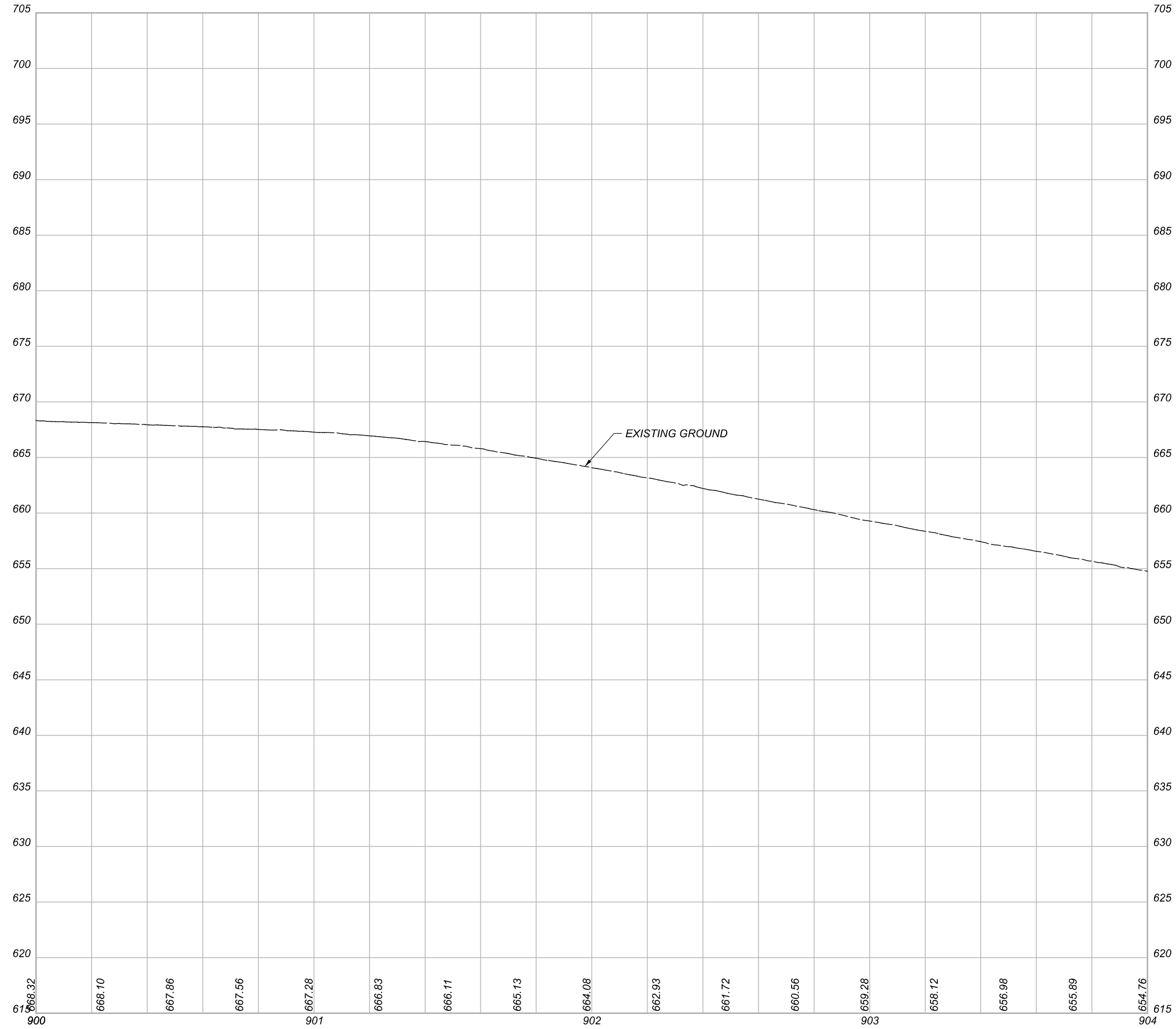
PLAN - RAMP 4  
 BEGIN TO END

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	82382 / 2339
BP850	2339

**BURGESS & NIPLE**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

**CUY-90-16.28 (CCG3A)**

MODEL: BL RAMP 4 - Profile | PAPER SIZE: 17x11 (in.) DATE: 6/22/2022 TIME: 8:48:19 PM USER: Kevin.McNutt  
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DESIGN AGENCY

**BURGESS  
& NIPLE**  
 100 WEST EIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

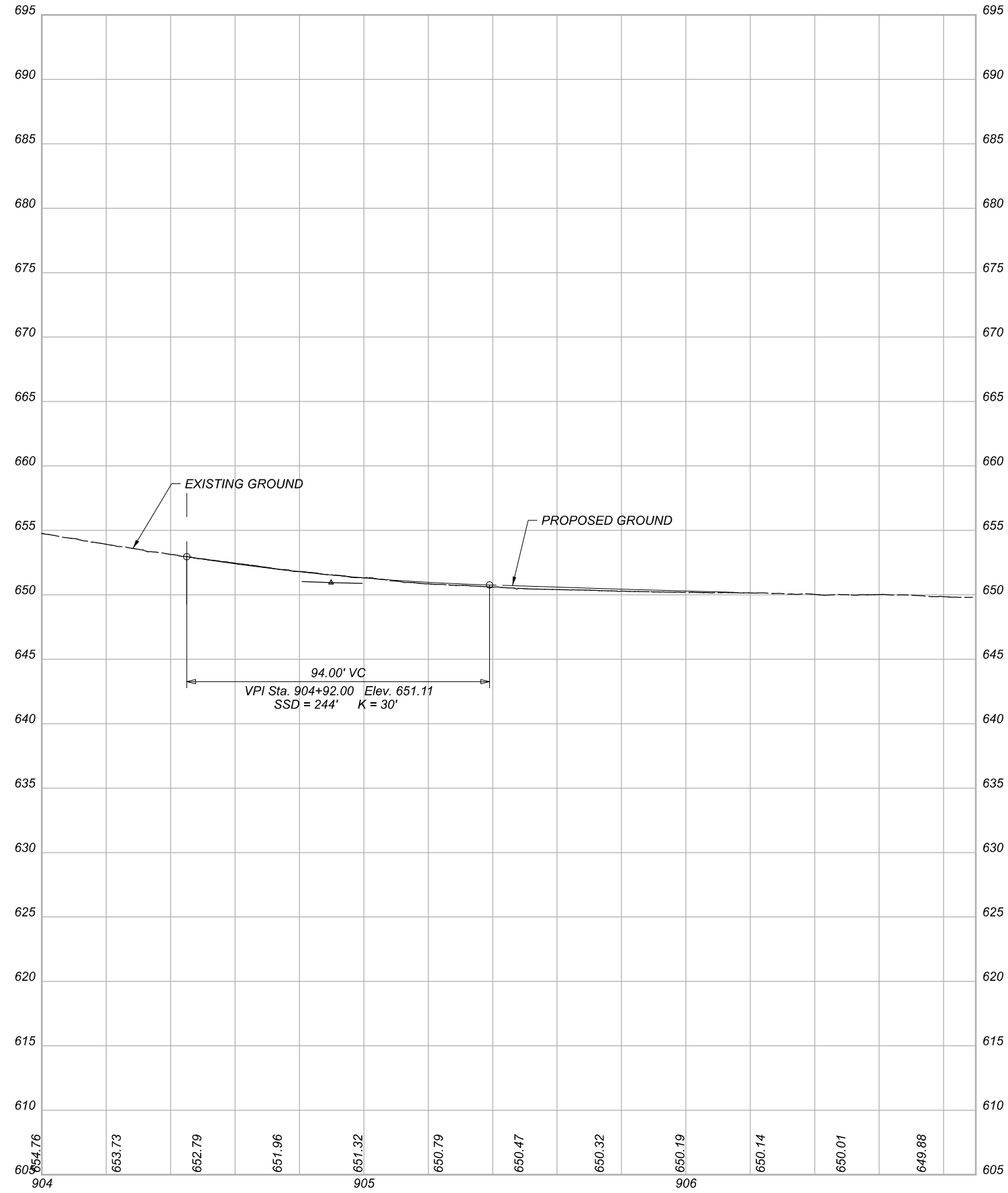
PROJECT ID

82382

SHEET TOTAL

376 2339

**PROFILE - RAMP 4**  
 STA. 900+00.00 TO STA. 904+00.00



PROFILE - RAMP 4  
 STA. 904+00.00 TO END

DESIGN AGENCY

**BURGESS  
 & NIPLE**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID

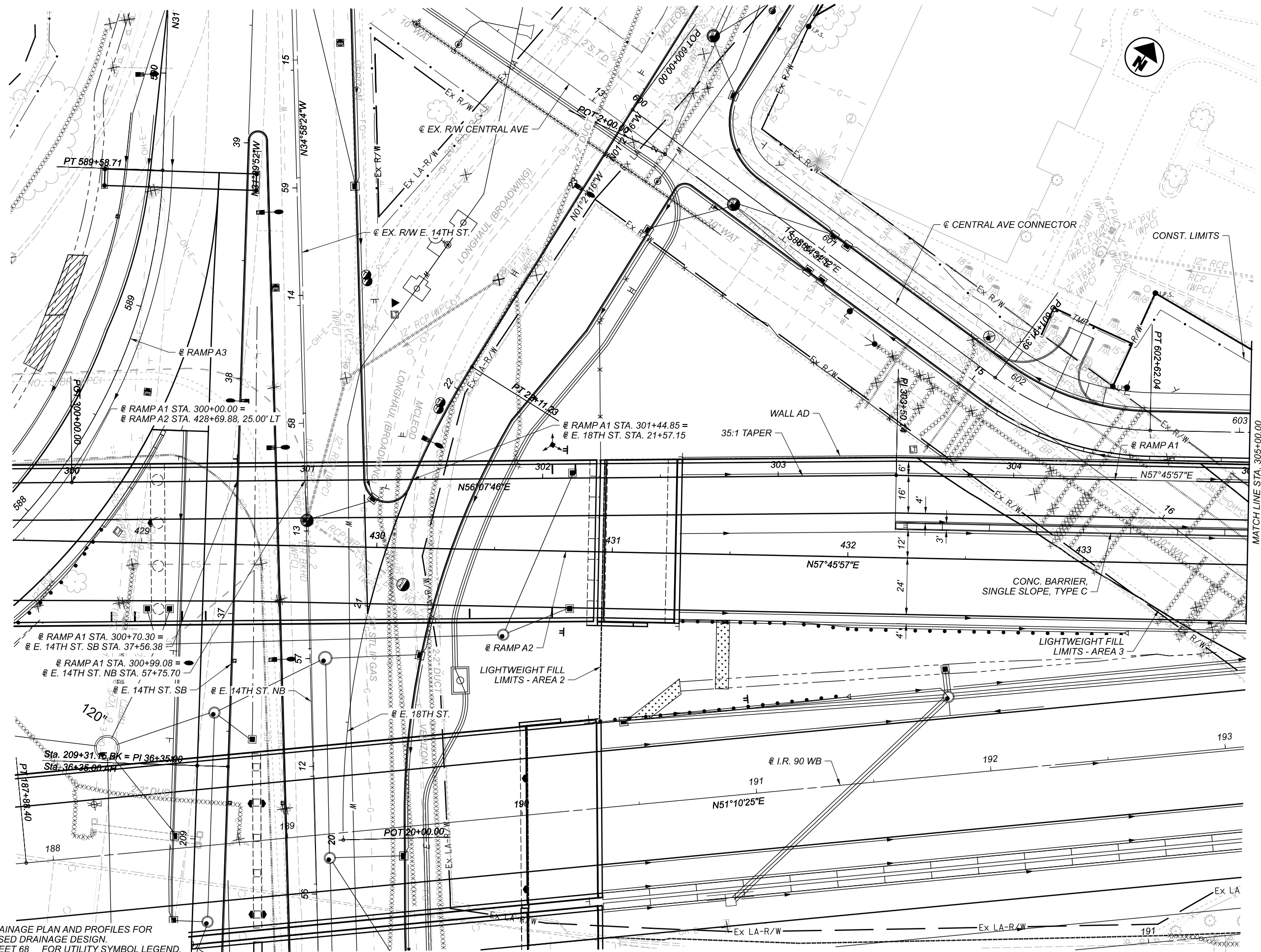
82382

SHEET TOTAL

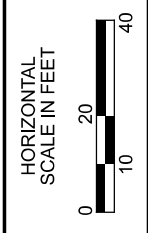
377 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



MATCH LINE STA. 305+00.00



PLAN - RAMP A1  
 STA. 300+00.00 TO STA. 305+00.00

DESIGN AGENCY



DESIGNER

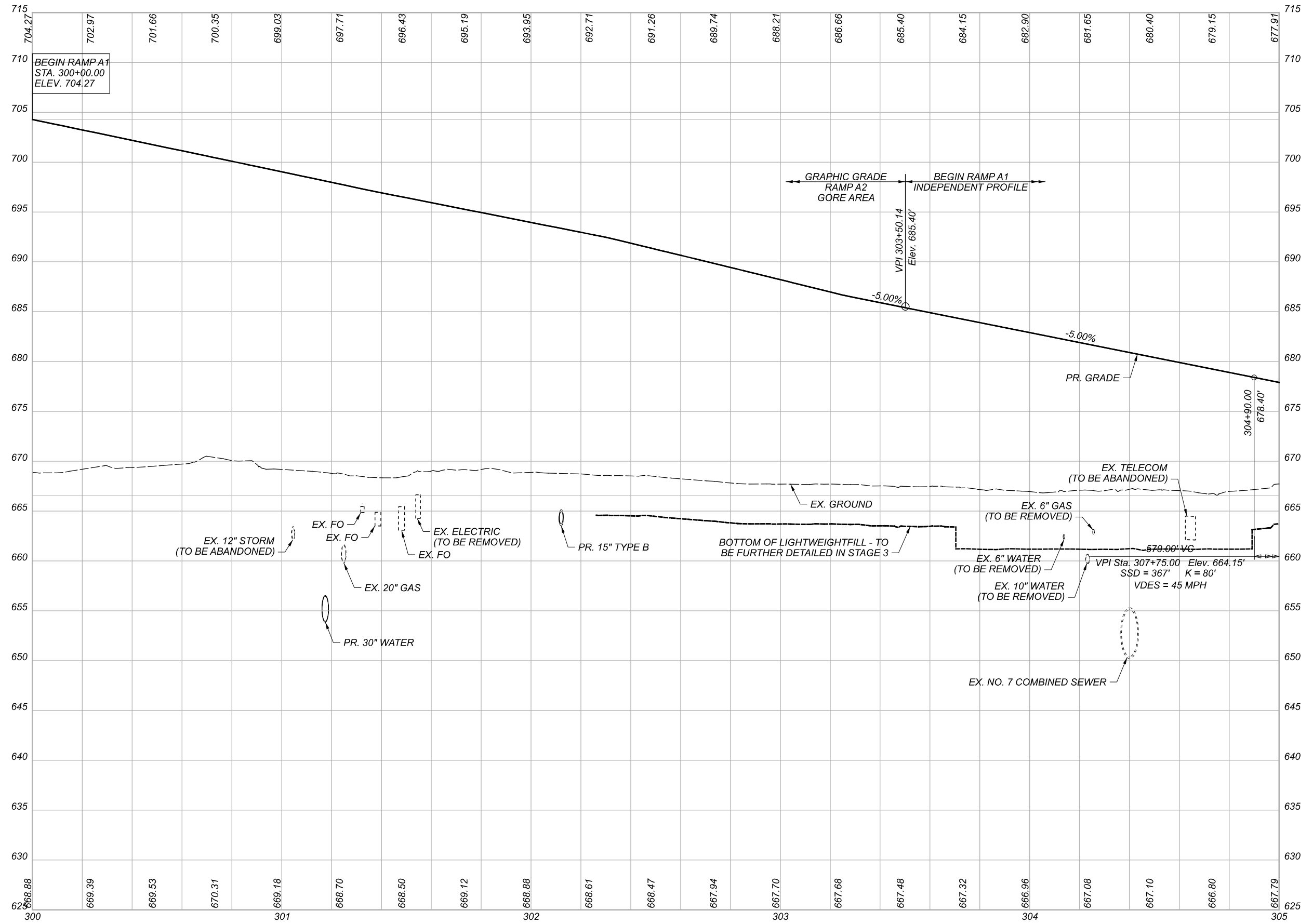
REVIEWER

PROJECT ID

82382

SHEET TOTAL

378 2339



PROFILE - RAMP A1  
 STA. 300+00.00 TO STA. 305+00.00

DESIGN AGENCY



DESIGNER

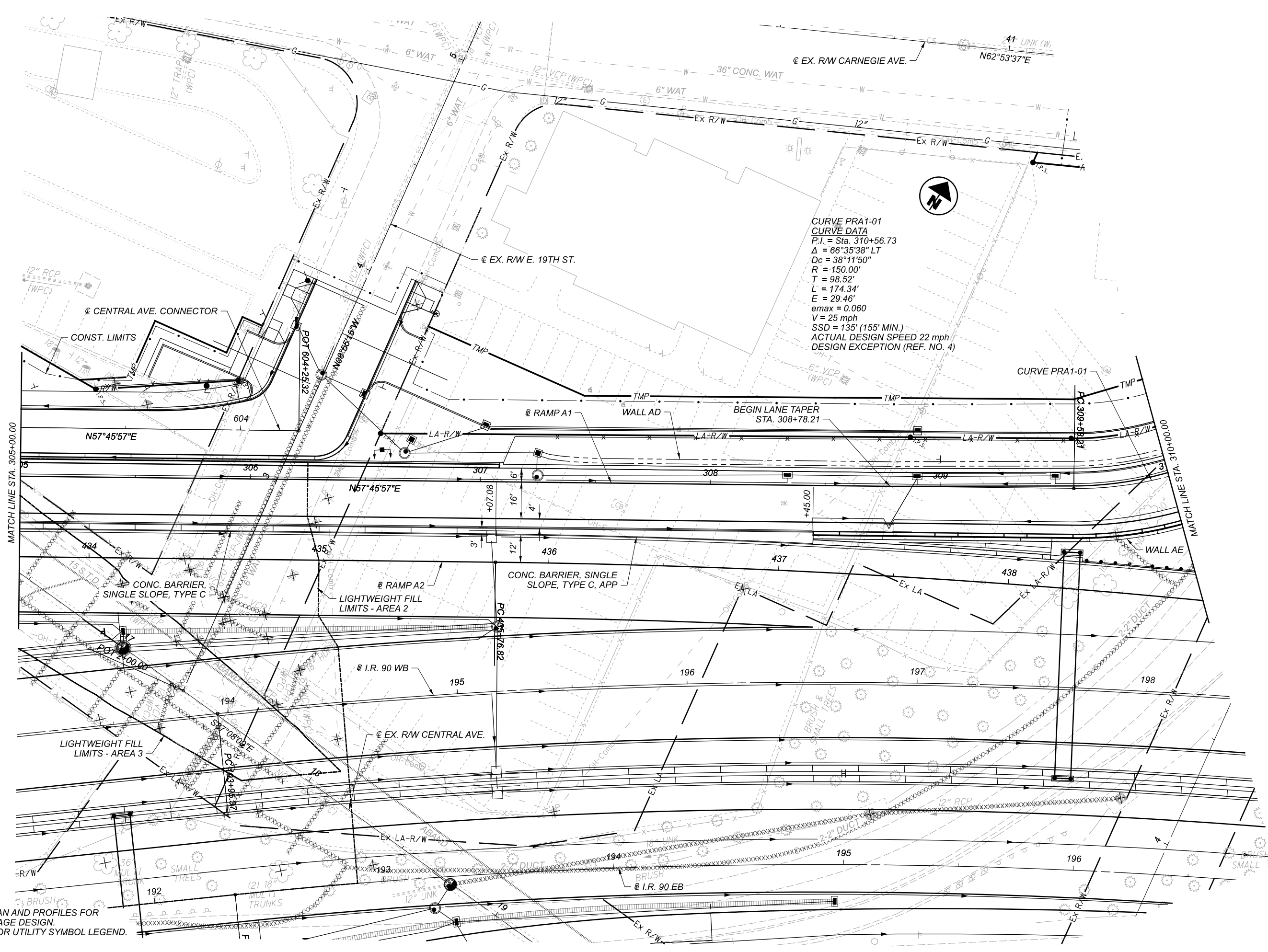
REVIEWER

PROJECT ID

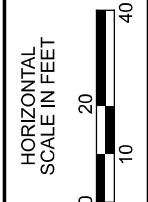
82382

SHEET TOTAL

379 2339



**NOTES**  
 1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.  
 2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

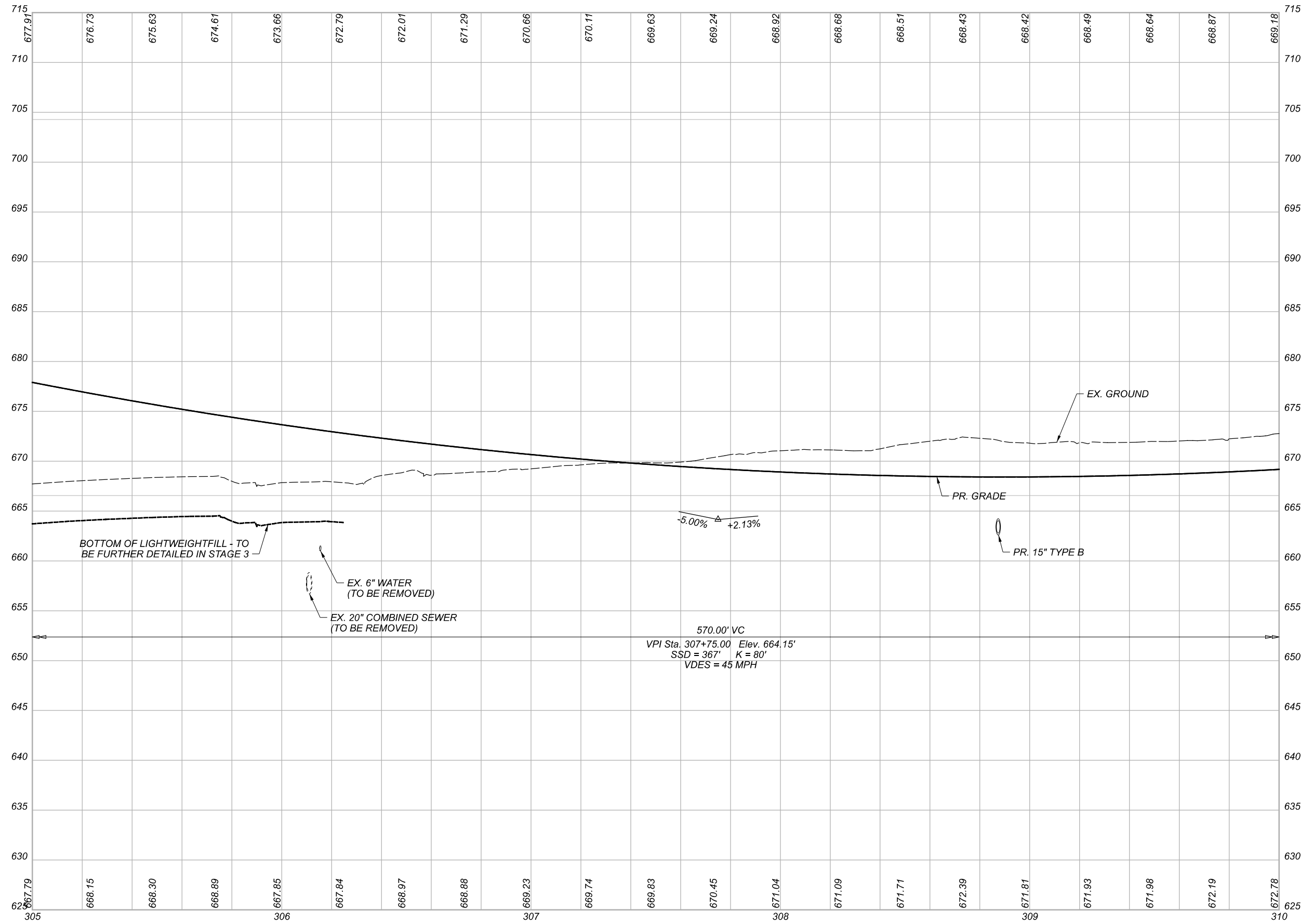


**PLAN - RAMP A1**  
 STA. 305+00.00 TO STA. 310+00.00

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
380	2339



PROFILE - RAMP A1  
 STA. 305+00.00 TO STA. 310+00.00

DESIGN AGENCY



DESIGNER

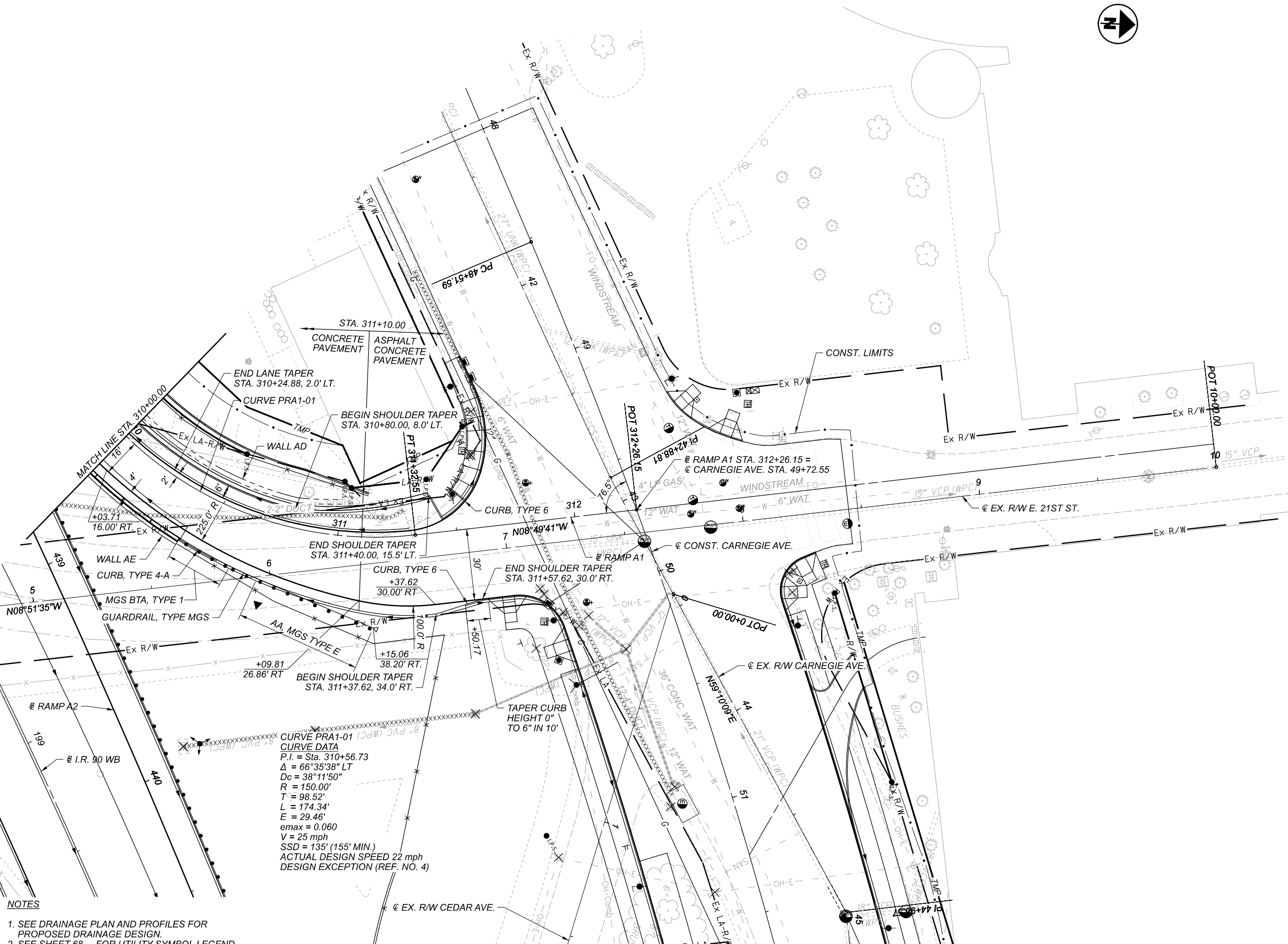
REVIEWER

PROJECT ID

82382

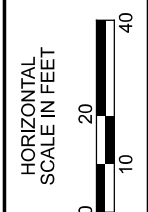
SHEET TOTAL

381 | 2339



**CURVE PRA1-01 (CPC)**  
**CURVE DATA**  
 P.I. = Sta. 310+56.73  
 $\Delta = 66^{\circ}35'38''$  LT  
 $D_c = 38^{\circ}11'50''$   
 $R = 150.00'$   
 $T = 98.52'$   
 $L = 174.34'$   
 $E = 29.46'$   
 $e_{max} = 0.060$   
 $V = 25$  mph  
 $SSD = 135'$  (155' MIN.)  
 ACTUAL DESIGN SPEED 22 mph  
 DESIGN EXCEPTION (REF. NO. 4)

- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



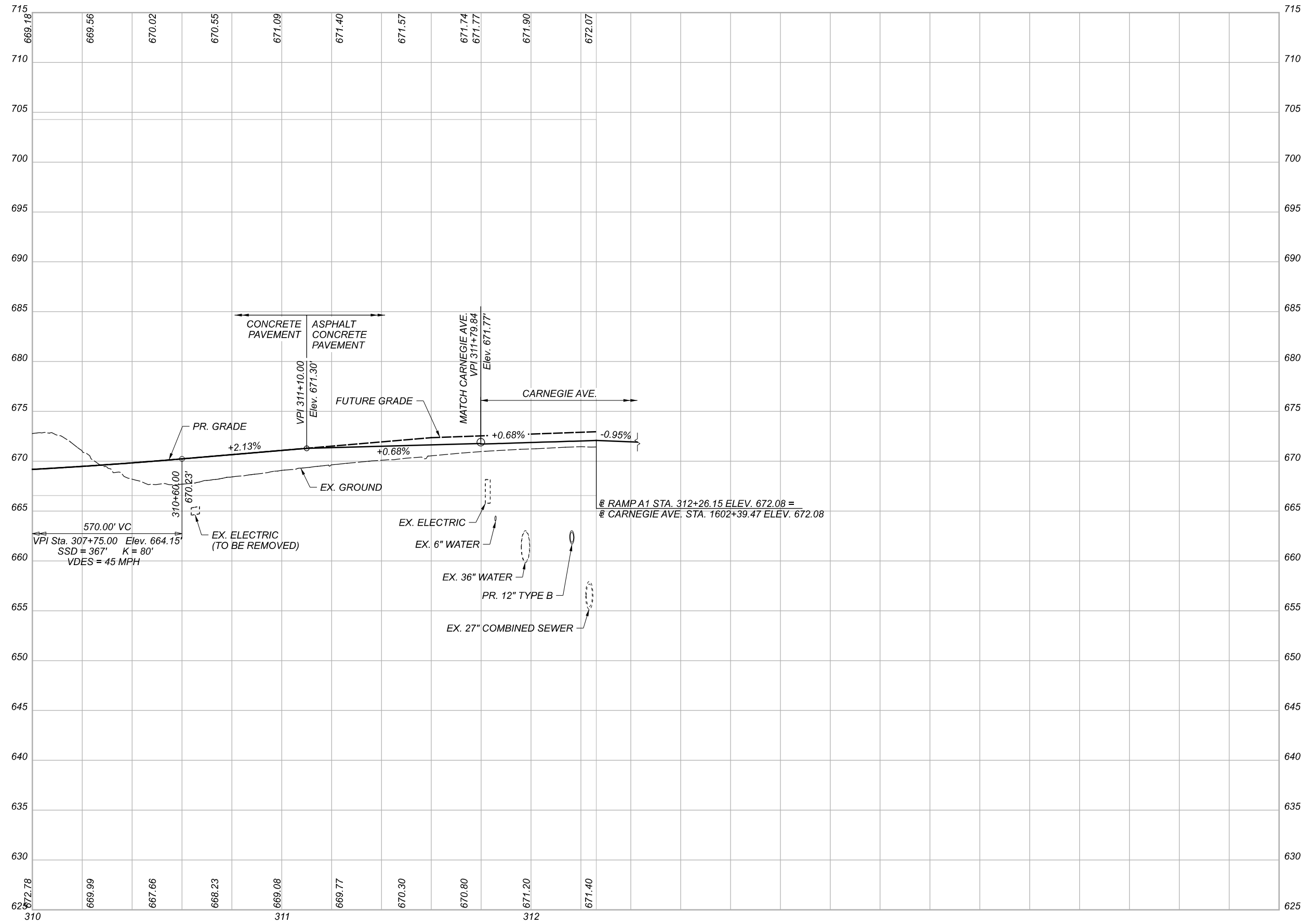
**PLAN - RAMP A1**  
**STA. 310+00.00 TO END**

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	382 2339



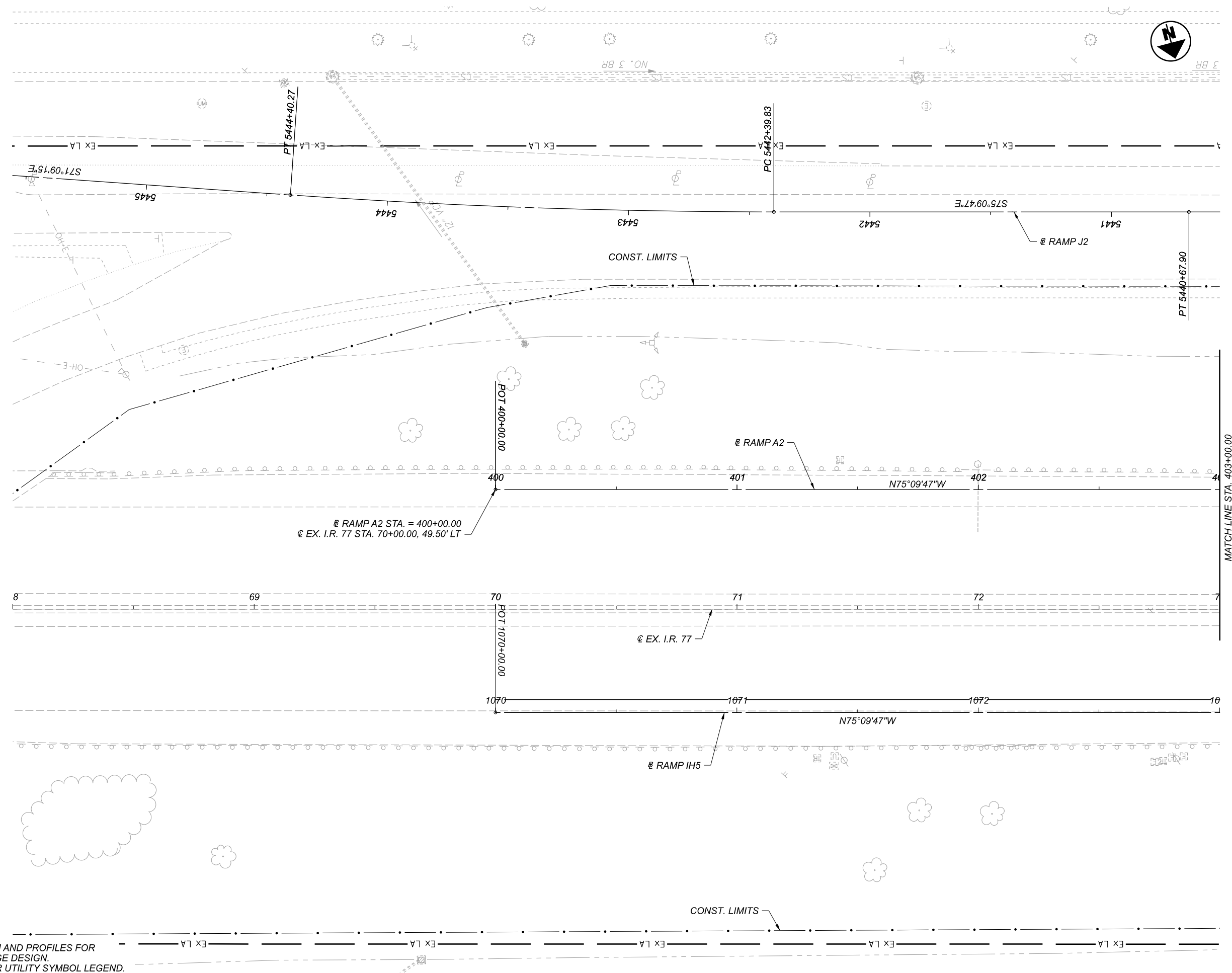


PROFILE - RAMP A1  
 STA. 310+00.00 TO END

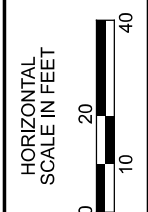
DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
383	2339



- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - RAMP A2**  
 STA. 400+00.00 TO STA. 403+00.00

DESIGN AGENCY

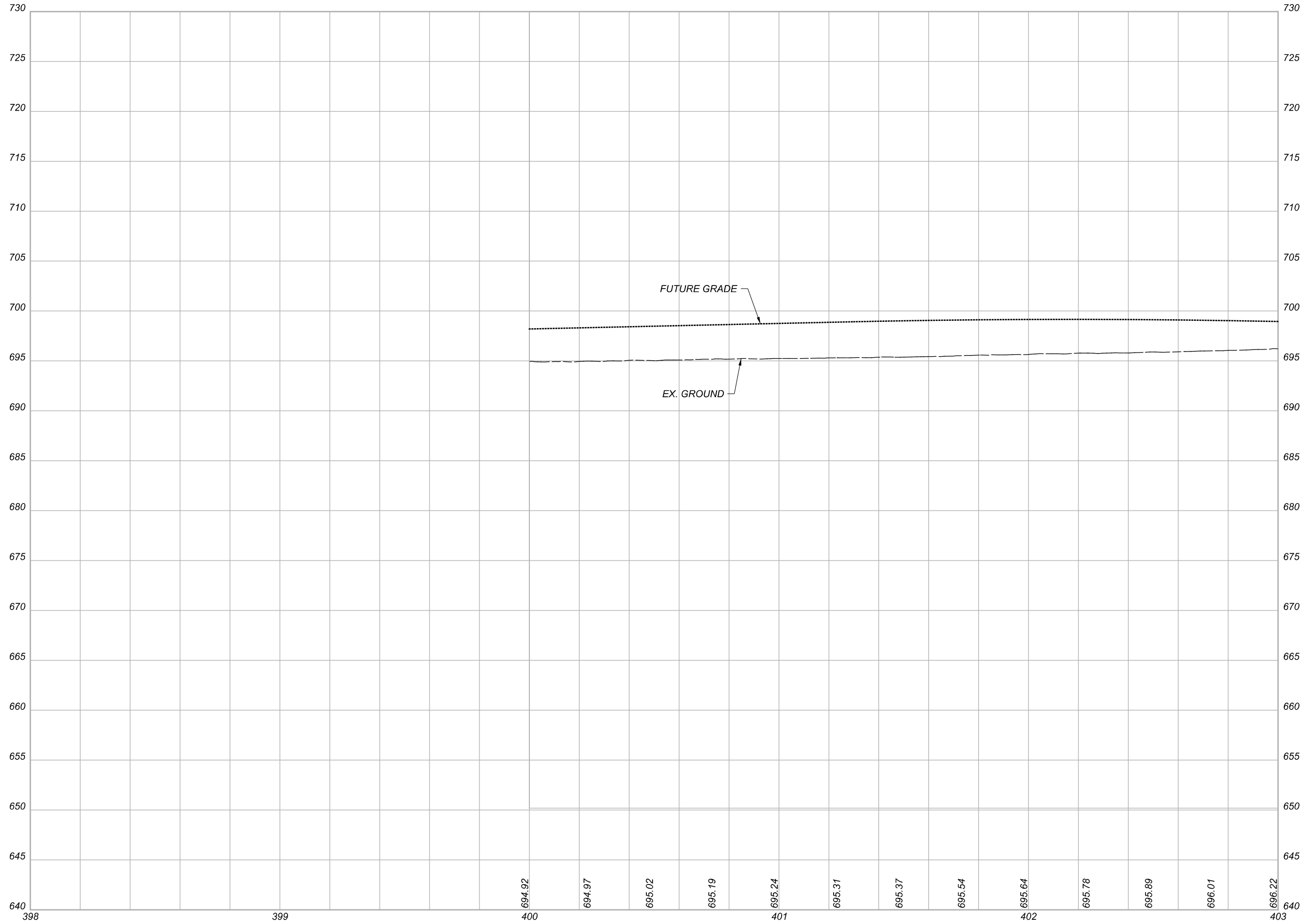


DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
384	2339



PROFILE - RAMP A2  
STA. 400+00.00 TO STA. 403+00.00

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

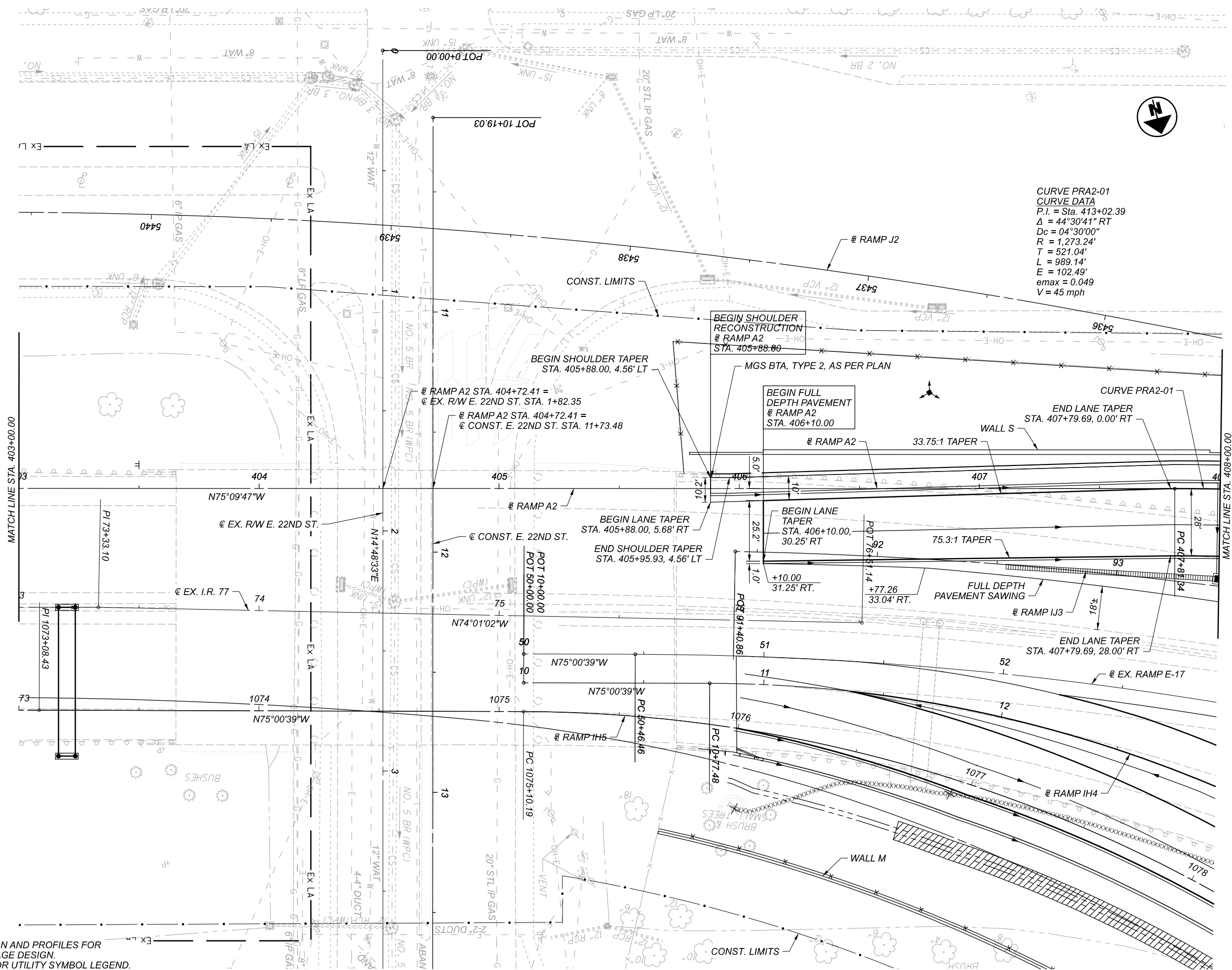
82382

SHEET TOTAL

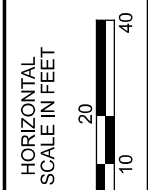
385 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

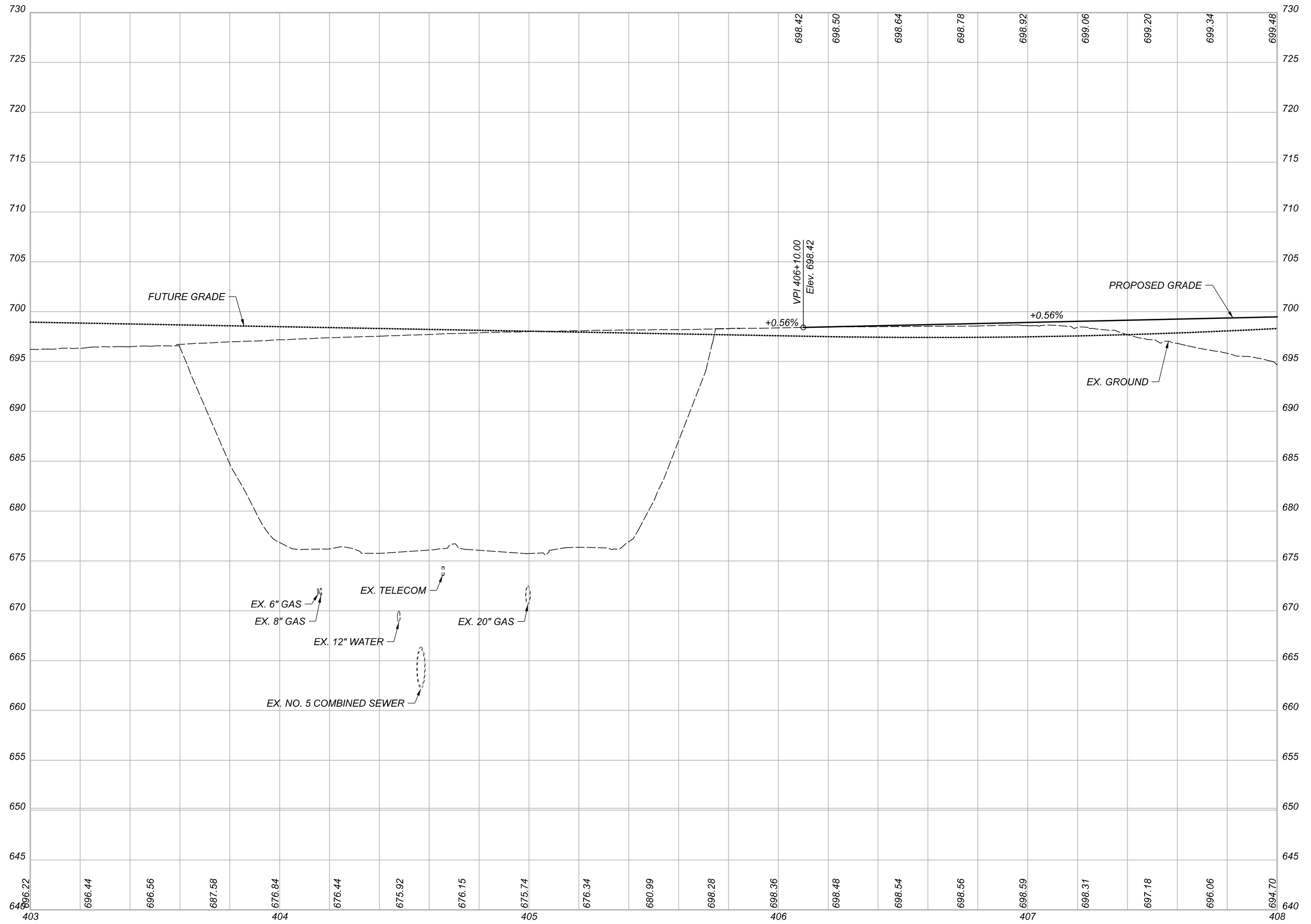


CURVE PRA2-01  
 CURVE DATA  
 P.I. = Sta. 413+02.39  
 $\Delta = 44^{\circ}30'41''$  RT  
 $D_c = 04^{\circ}30'00''$   
 $R = 1,273.24'$   
 $T = 521.04'$   
 $L = 989.14'$   
 $E = 102.49'$   
 $e_{max} = 0.049$   
 $V = 45$  mph



PLAN - RAMP A2  
 STA. 403+00.00 TO STA. 408+00.00

DESIGN AGENCY	<b>HR</b>
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	386
TOTAL	2339



PROFILE - RAMP A2  
 STA. 403+00.00 TO STA. 408+00.00

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

82382

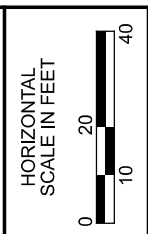
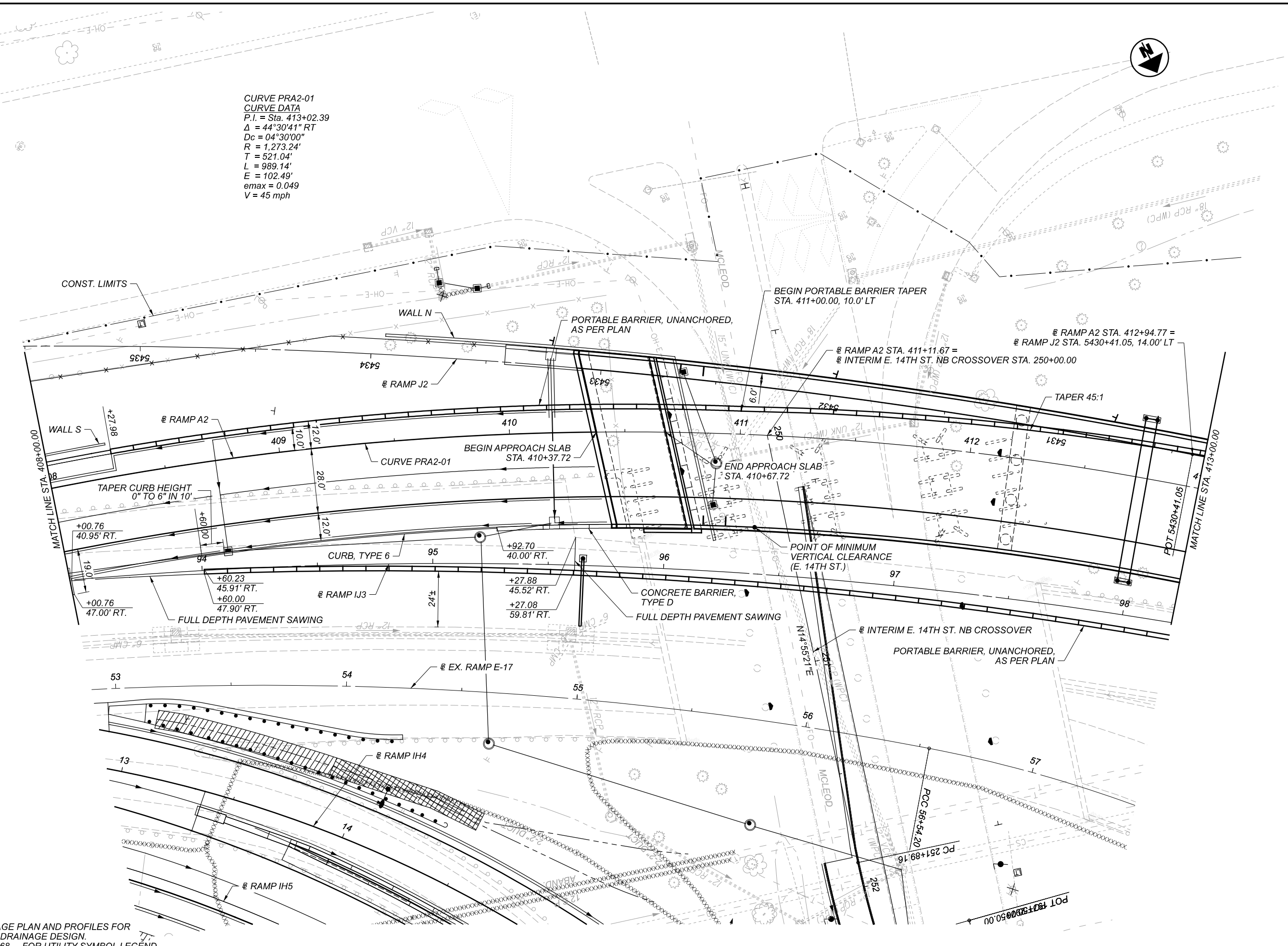
SHEET TOTAL

387 2339

NOTES

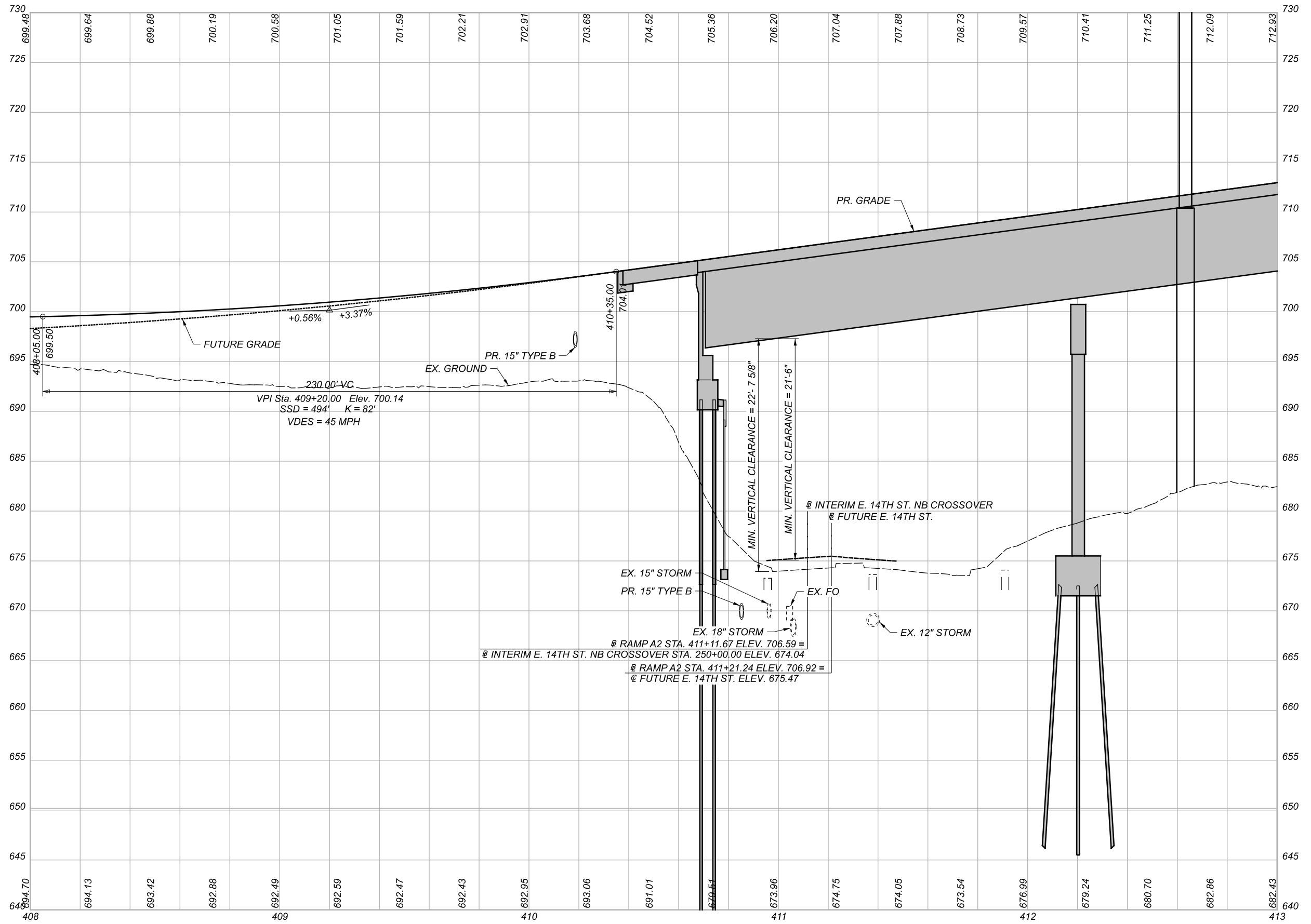
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

CURVE PRA2-01  
 CURVE DATA  
 P.I. = Sta. 413+02.39  
 $\Delta = 44^\circ 30' 41''$  RT  
 $D_c = 04^\circ 30' 00''$   
 $R = 1,273.24'$   
 $T = 521.04'$   
 $L = 989.14'$   
 $E = 102.49'$   
 $e_{max} = 0.049$   
 $V = 45$  mph



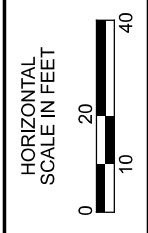
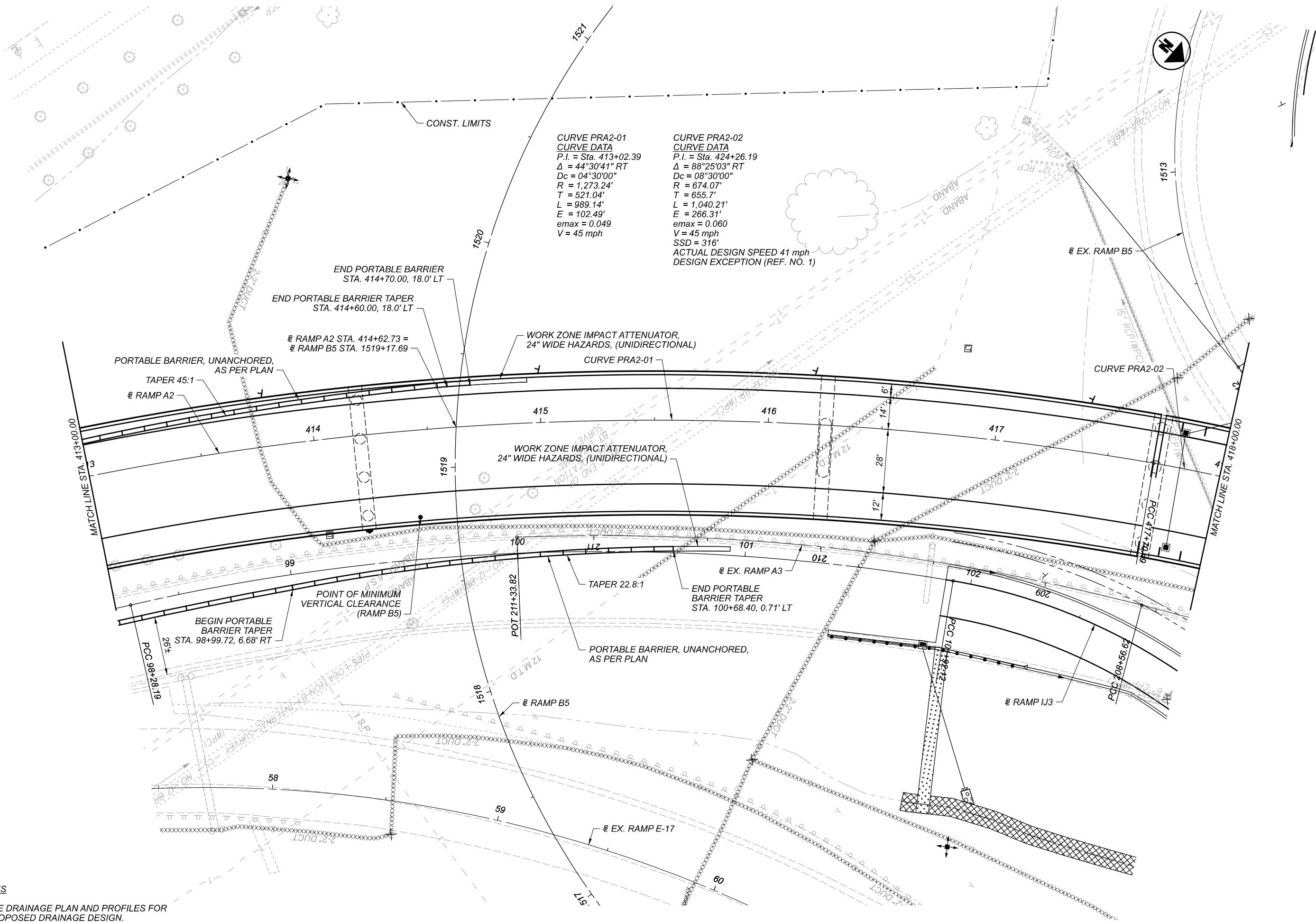
PLAN - RAMP A2  
 STA. 408+00.00 TO STA. 413+00.00

DESIGN AGENCY	
<b>HR</b>	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
388	2339



NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



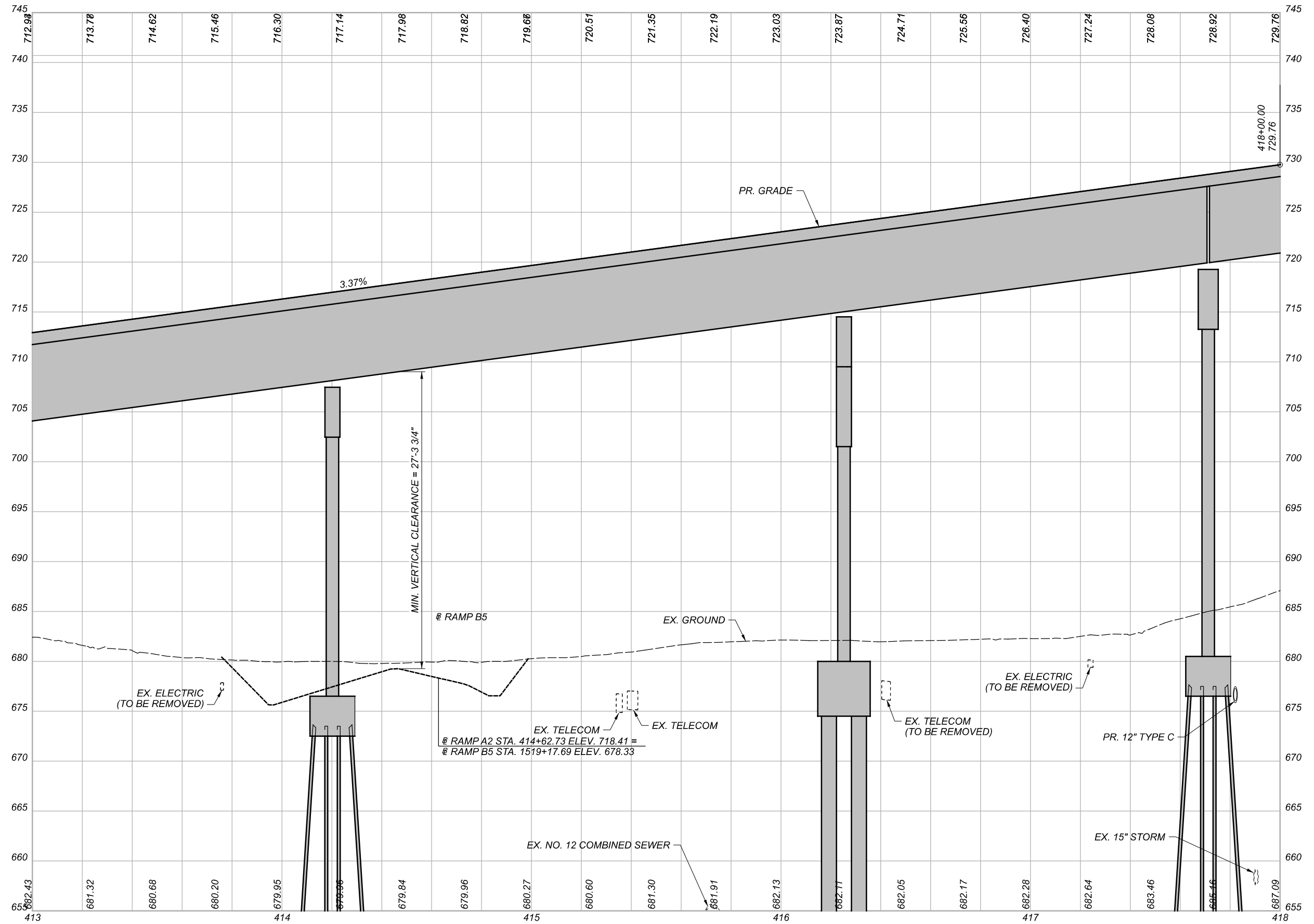
PLAN - RAMP A2  
 STA. 413+00.00 TO STA. 418+00.00

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
390	2339





PROFILE - RAMP A2  
 STA. 413+00.00 TO STA. 418+00.00

DESIGN AGENCY



DESIGNER

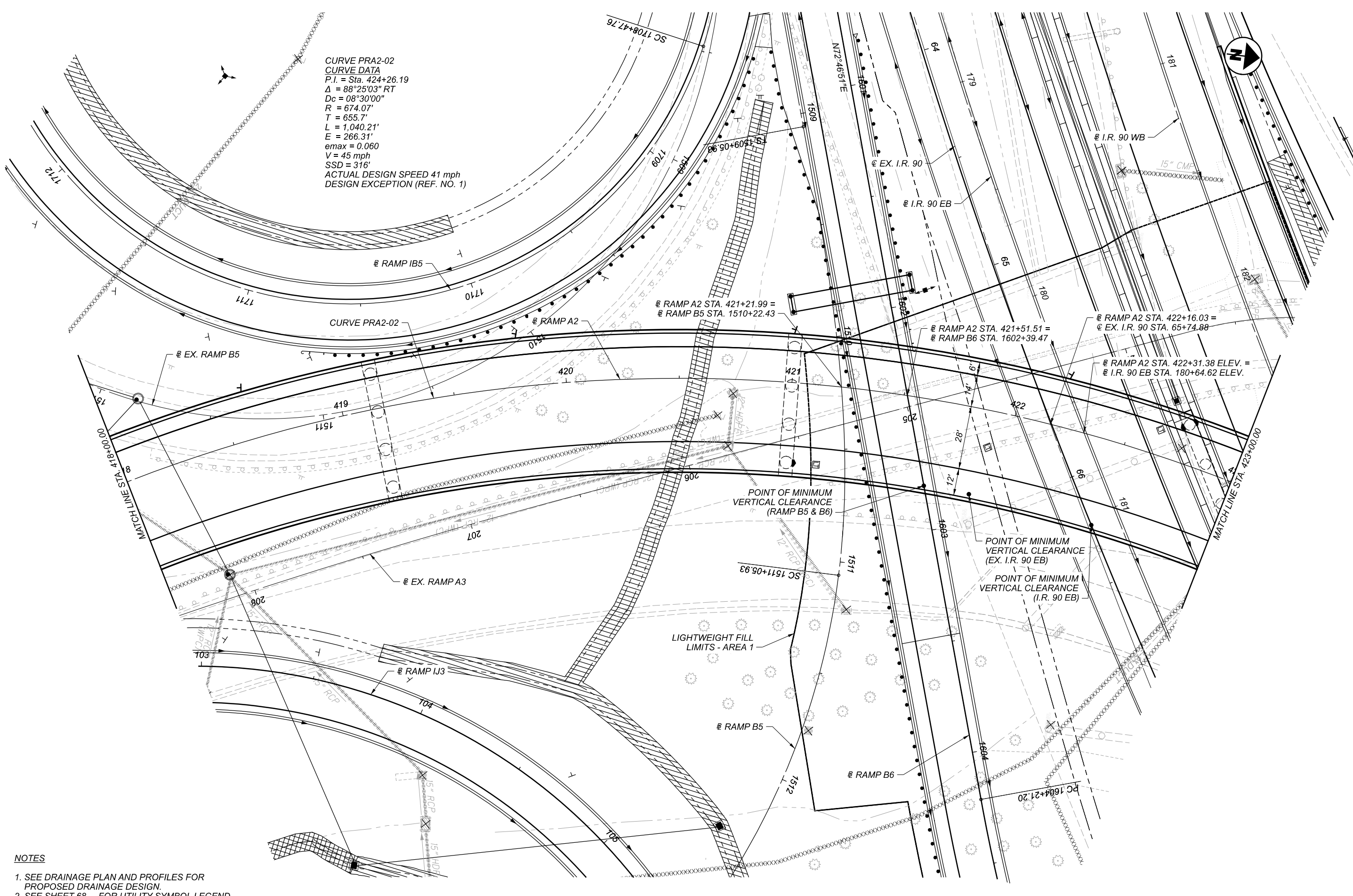
REVIEWER

PROJECT ID

82382

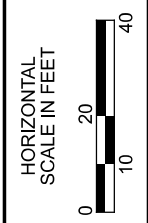
SHEET TOTAL

391 2339



**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - RAMP A2**  
 STA. 418+00.00 TO STA. 423+00.00

DESIGN AGENCY



DESIGNER

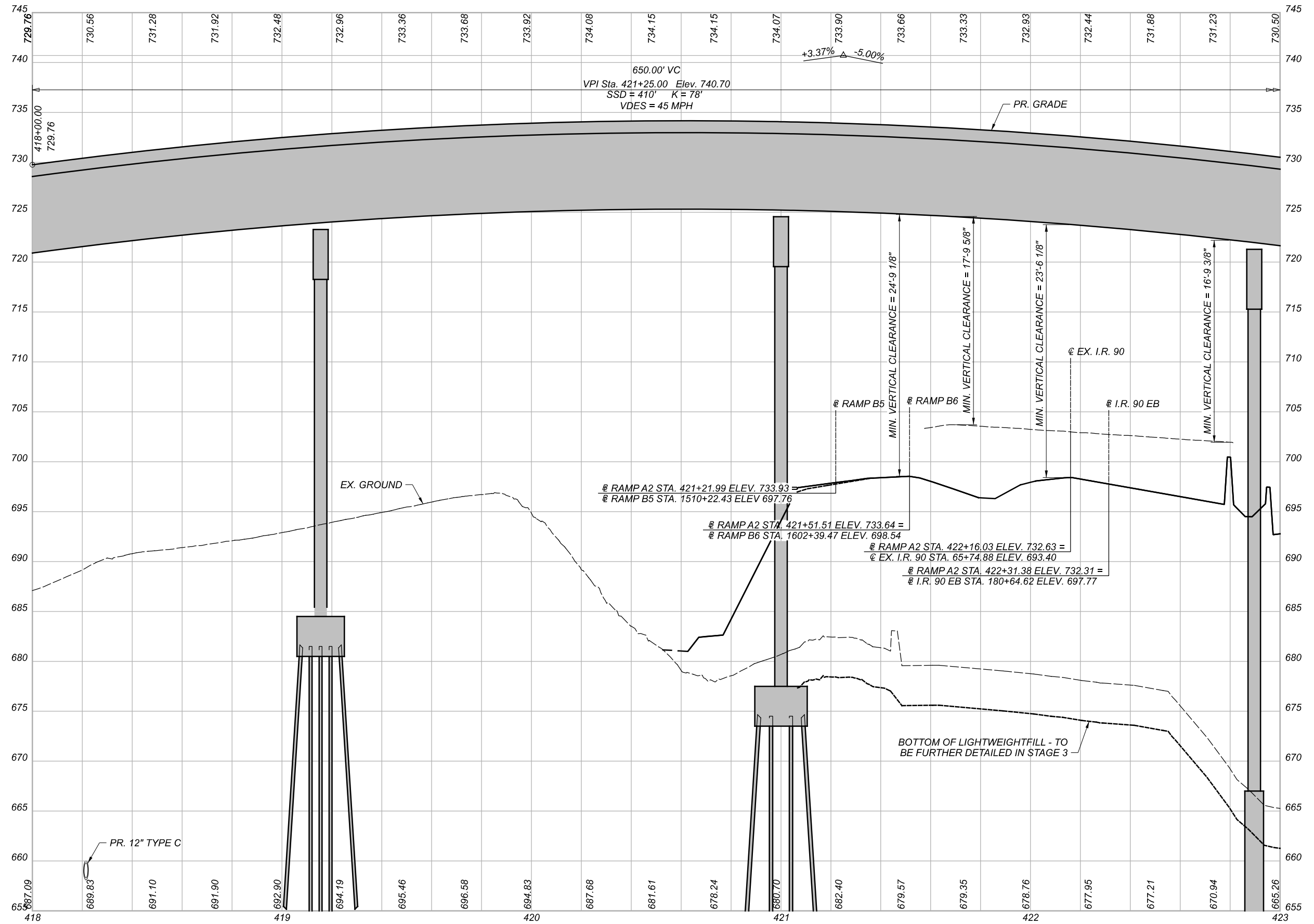
REVIEWER

PROJECT ID

82382

SHEET TOTAL

392 2339



PROFILE - RAMP A2  
 STA. 418+00.00 TO STA. 423+00.00

DESIGN AGENCY



DESIGNER

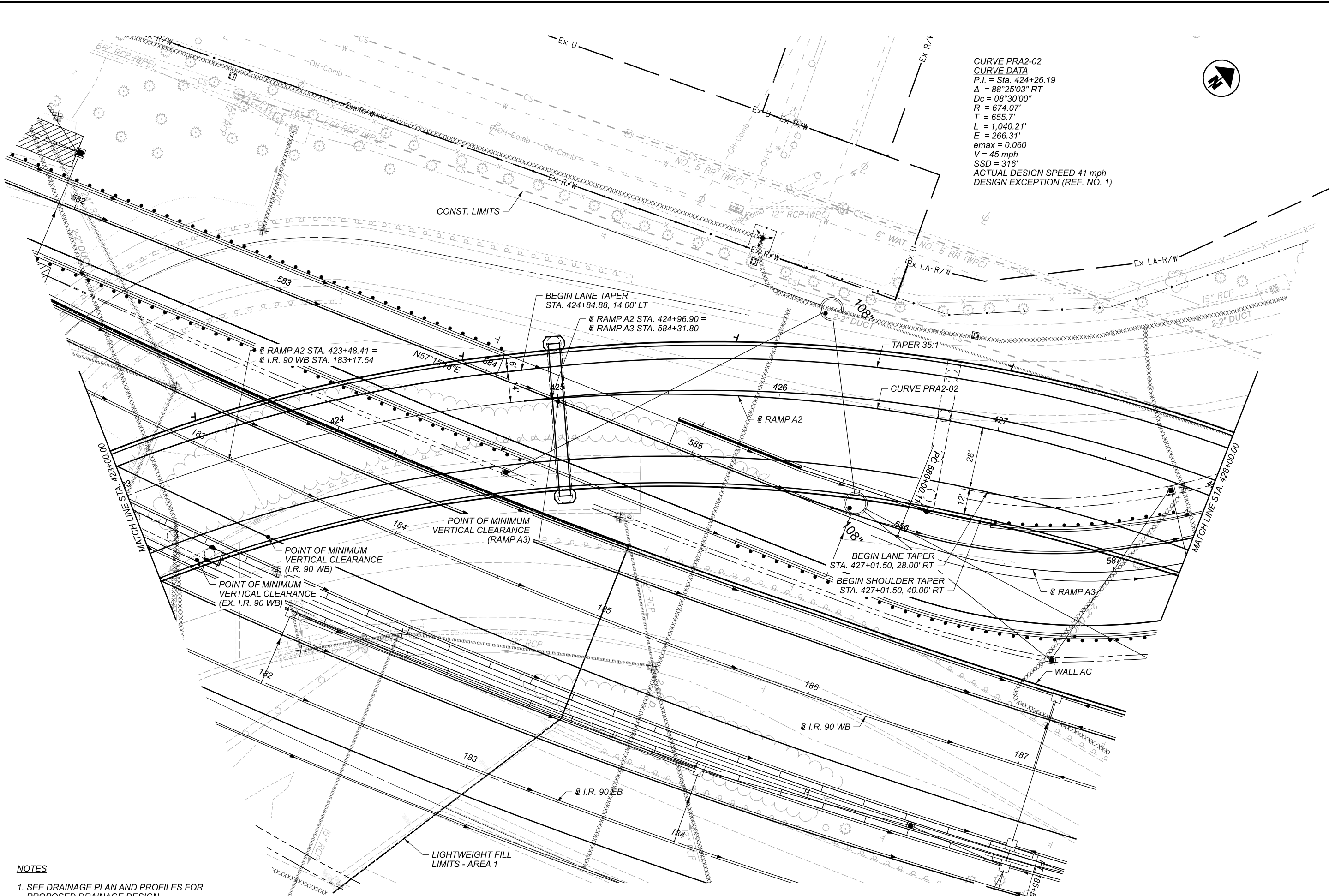
REVIEWER

PROJECT ID

82382

SHEET TOTAL

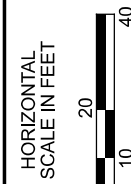
393 2339



NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

CURVE PRA2-02  
 CURVE DATA  
 P.I. = Sta. 424+26.19  
 $\Delta = 88^{\circ}25'03''$  RT  
 $D_c = 08^{\circ}30'00''$   
 $R = 674.07'$   
 $T = 655.7'$   
 $L = 1,040.21'$   
 $E = 266.31'$   
 $e_{max} = 0.060$   
 $V = 45$  mph  
 $SSD = 316'$   
 ACTUAL DESIGN SPEED 41 mph  
 DESIGN EXCEPTION (REF. NO. 1)



PLAN - RAMP A2  
 STA. 423+00.00 TO STA. 428+00.00

DESIGN AGENCY



DESIGNER

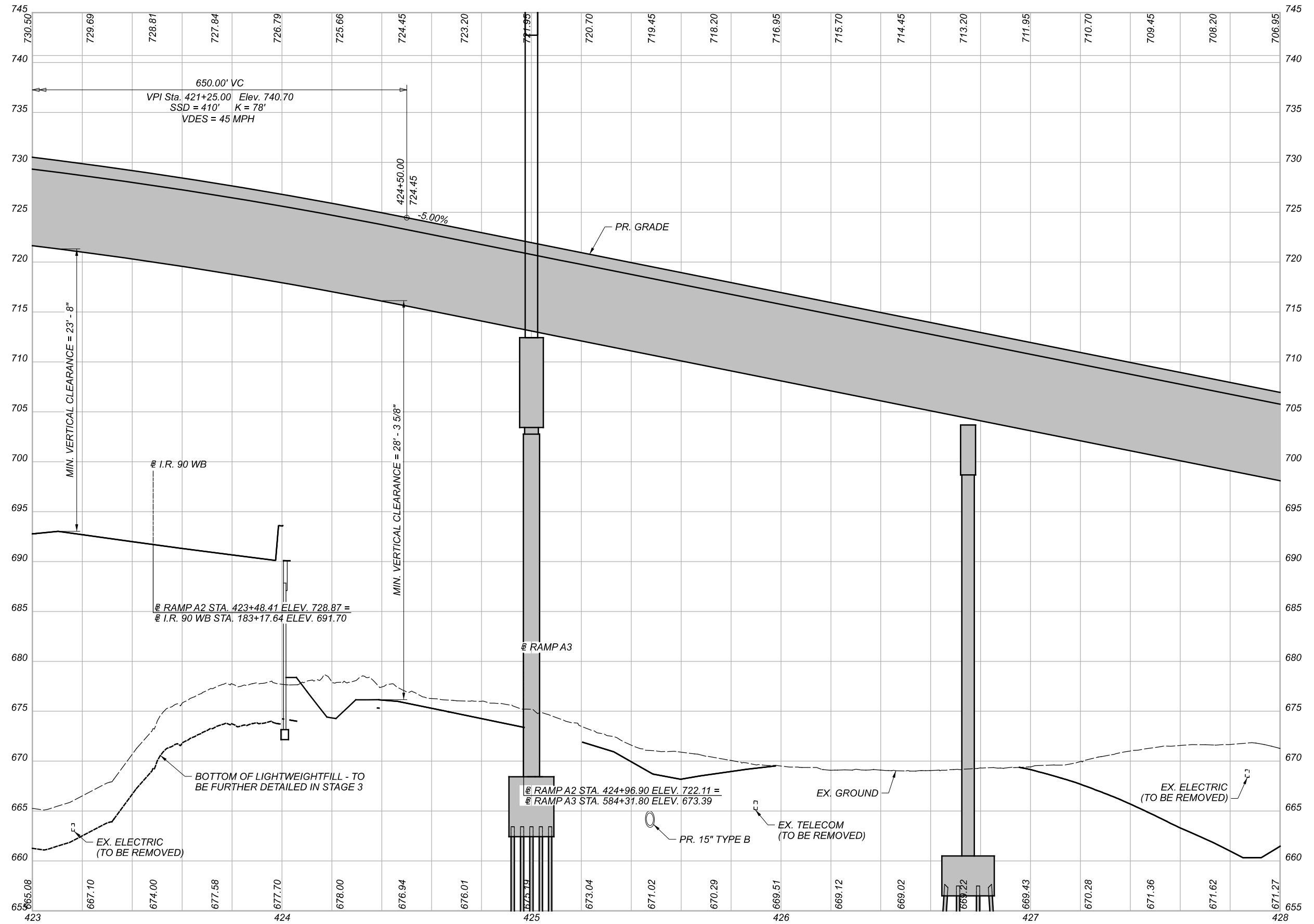
REVIEWER

PROJECT ID

82382

SHEET TOTAL

394 2339



PROFILE - RAMP A2  
 STA. 423+00.00 TO STA. 428+00.00

DESIGN AGENCY



DESIGNER

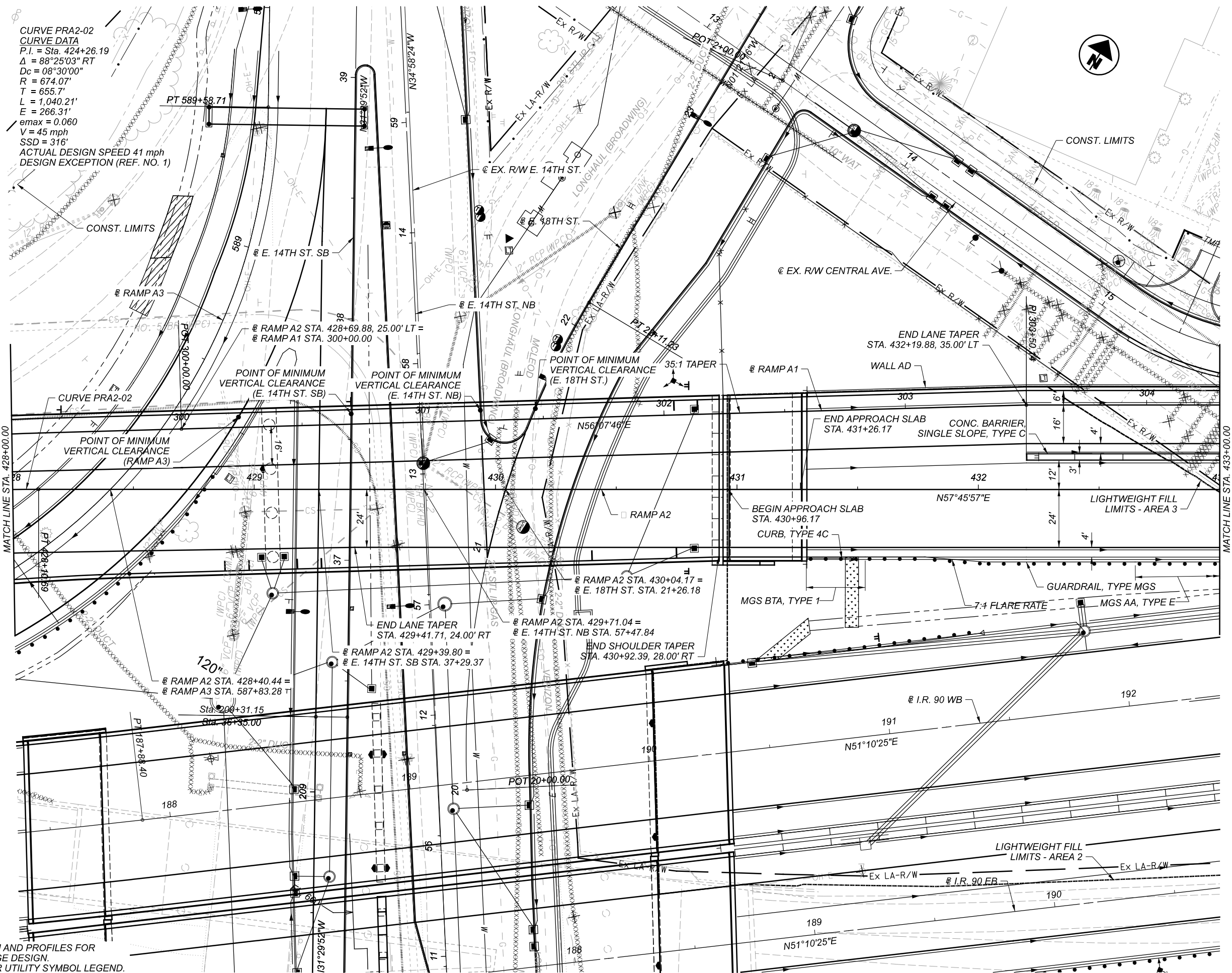
REVIEWER

PROJECT ID

82382

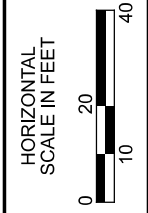
SHEET TOTAL

395 2339



CURVE PRA2-02  
 CURVE DATA  
 P.I. = Sta. 424+26.19  
 $\Delta = 88^{\circ}25'03''$  RT  
 $D_c = 08^{\circ}30'00''$   
 $R = 674.07'$   
 $T = 655.7'$   
 $L = 1,040.21'$   
 $E = 266.31'$   
 $e_{max} = 0.060$   
 $V = 45$  mph  
 $SSD = 316'$   
 ACTUAL DESIGN SPEED 41 mph  
 DESIGN EXCEPTION (REF. NO. 1)

- NOTES
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

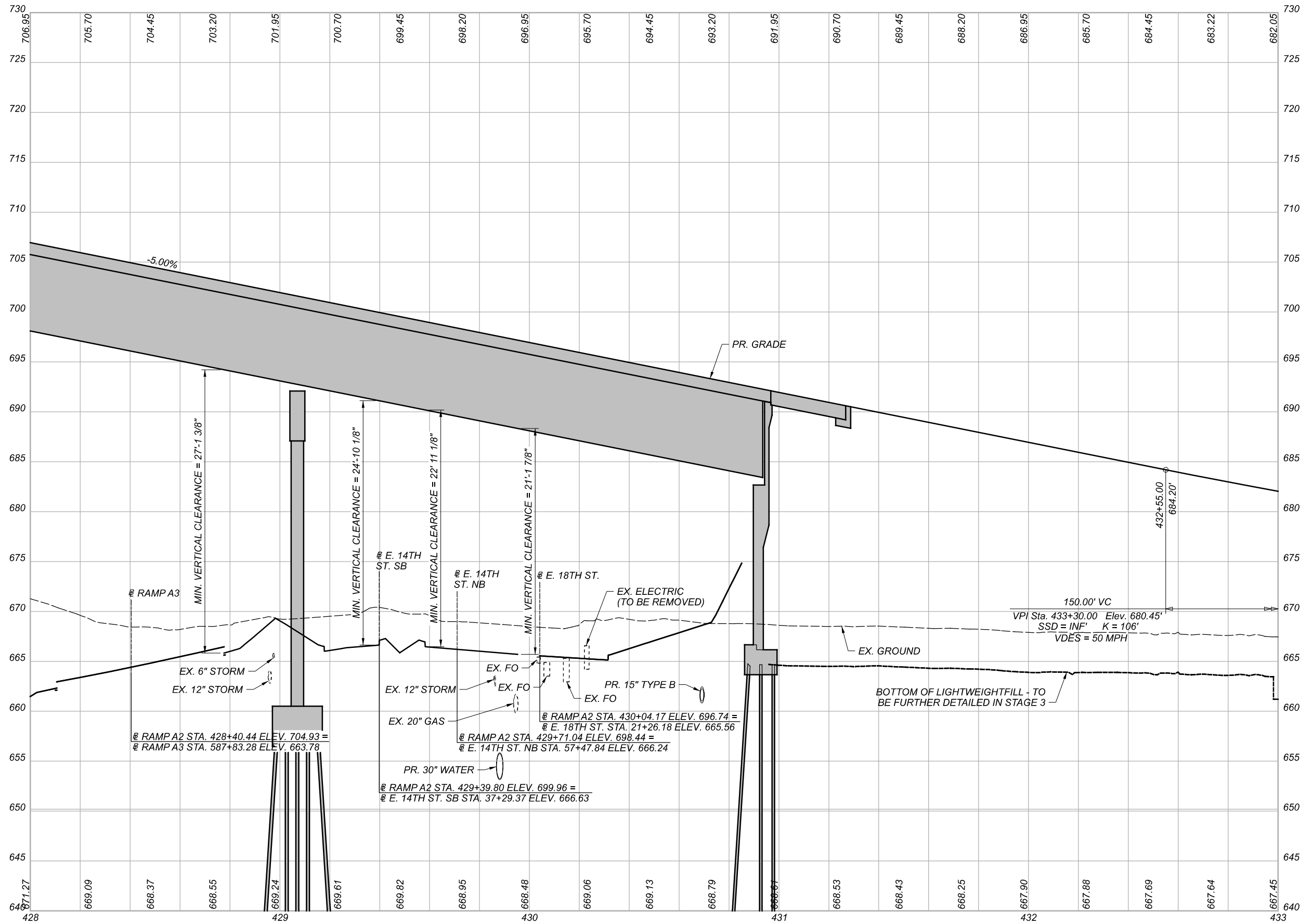


PLAN - RAMP A2  
 STA. 428+00.00 TO STA. 433+00.00

DESIGN AGENCY



DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	396
TOTAL	2339



PROFILE - RAMP A2  
 STA. 428+00.00 TO STA. 433+00.00

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

82382

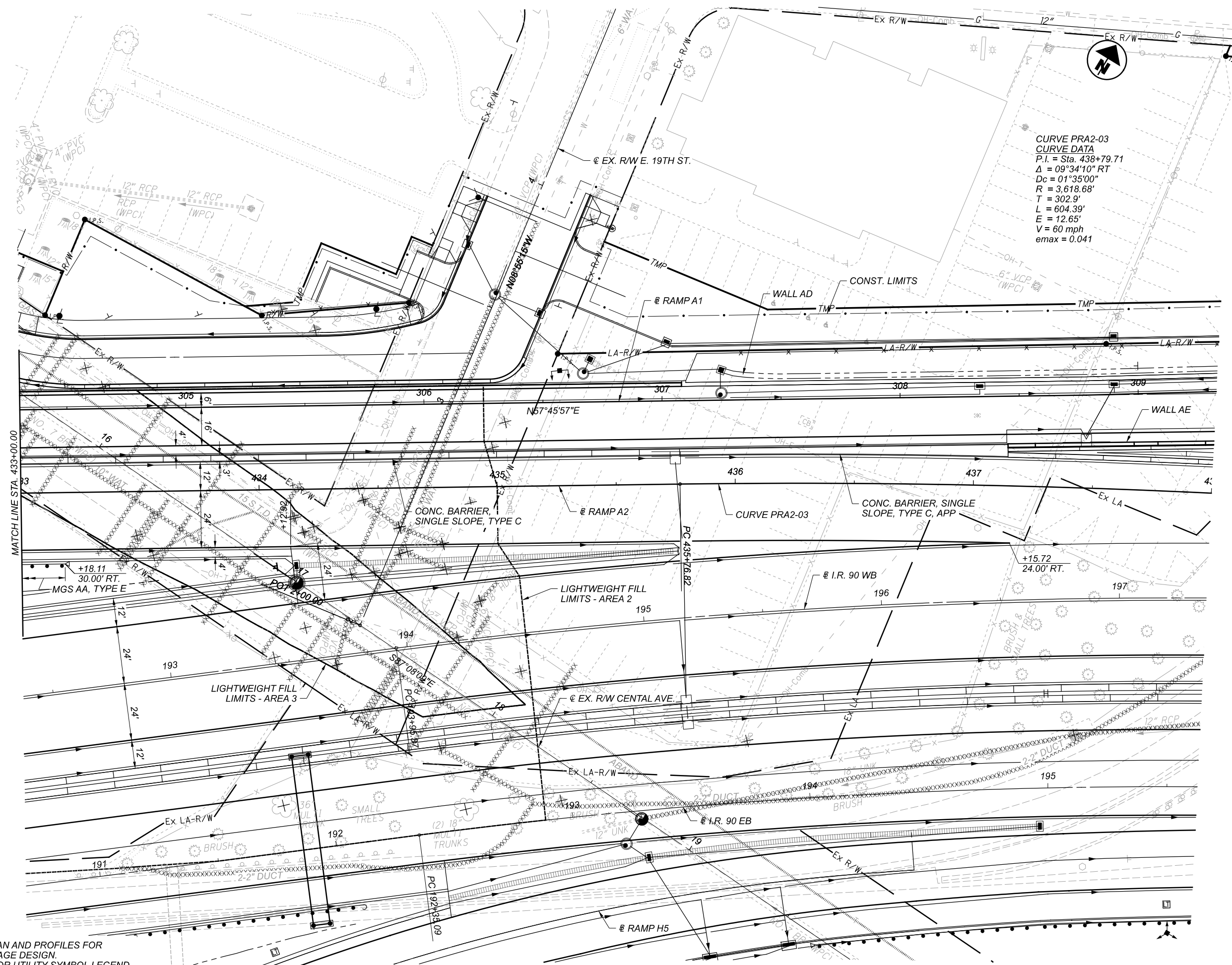
SHEET TOTAL

397 2339

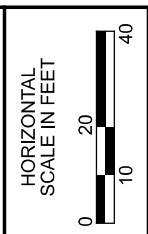


NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



CURVE PRA2-03  
 CURVE DATA  
 P.I. = Sta. 438+79.71  
 $\Delta = 09^\circ 34' 10''$  RT  
 $D_c = 01^\circ 35' 00''$   
 $R = 3,618.68'$   
 $T = 302.9'$   
 $L = 604.39'$   
 $E = 12.65'$   
 $V = 60$  mph  
 $e_{max} = 0.041$



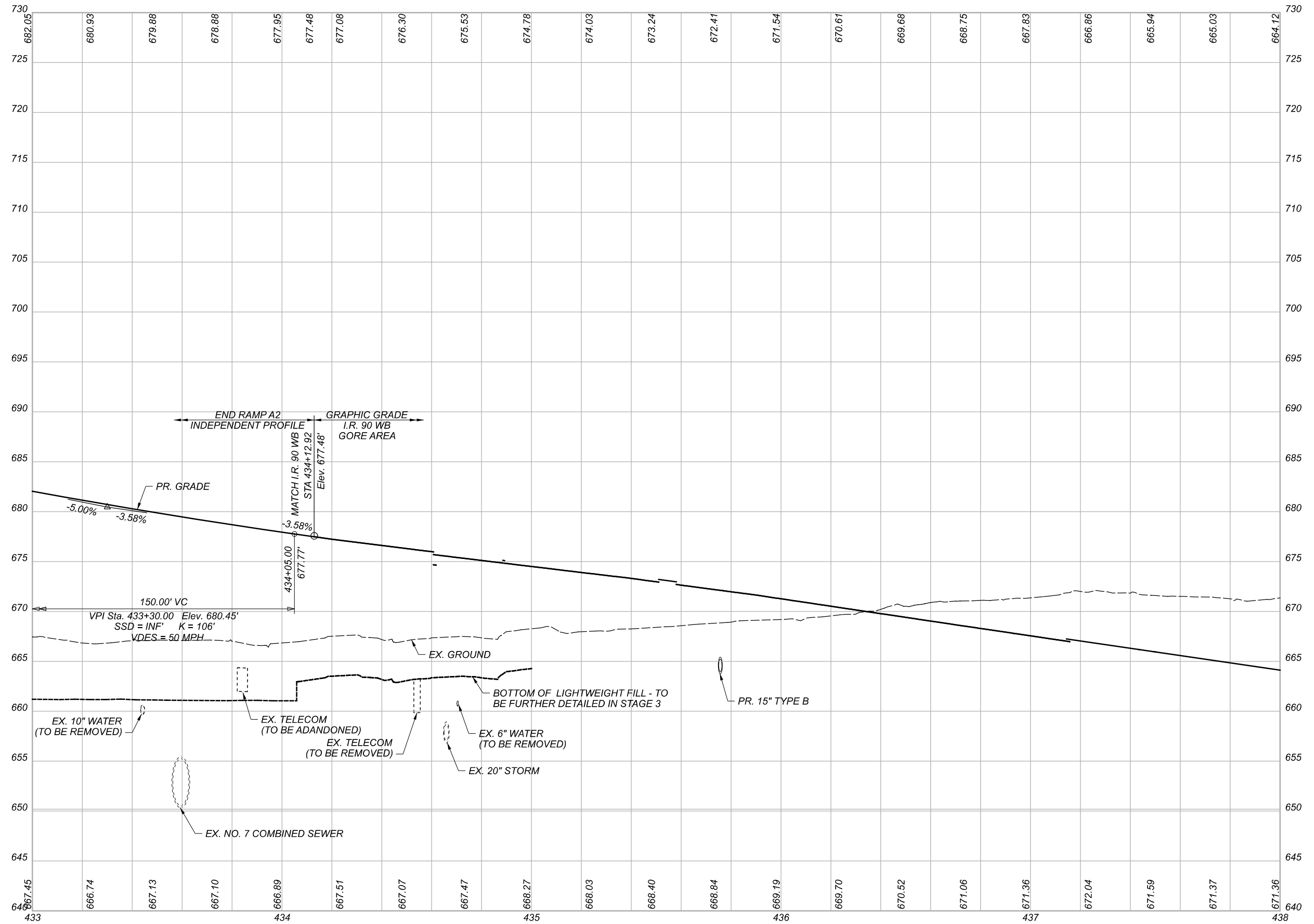
PLAN - RAMP A2  
 STA. 433+00.00 TO STA. 438+00.00

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
398	2339





PROFILE - RAMP A2  
 STA. 433+00.00 TO STA. 438+00.00

DESIGN AGENCY



DESIGNER

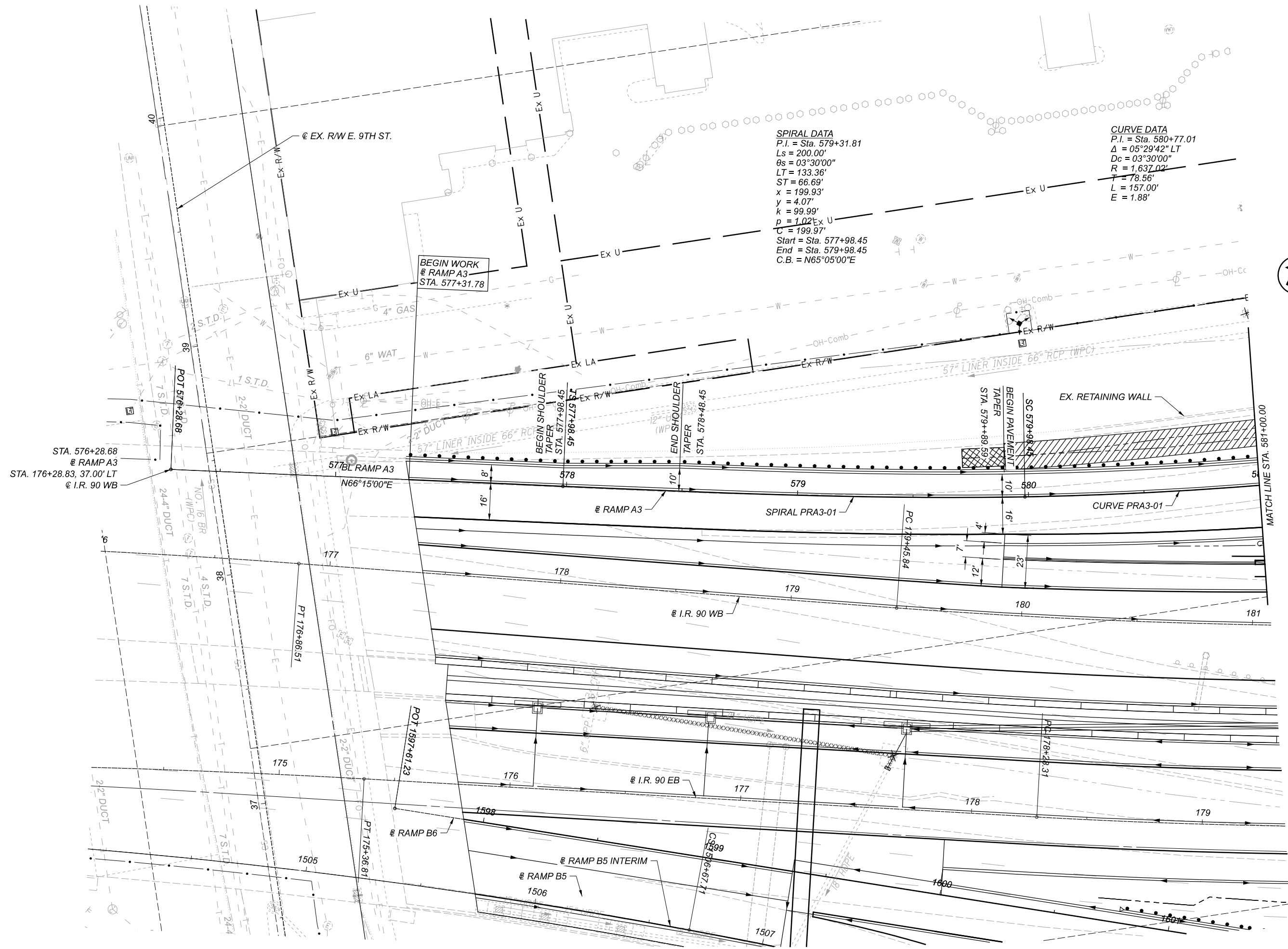
REVIEWER

PROJECT ID

82382

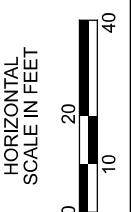
SHEET TOTAL

399 2339



**SPIRAL DATA**  
 P.I. = Sta. 579+31.81  
 Ls = 200.00'  
 θs = 03°30'00"  
 LT = 133.36'  
 ST = 66.69'  
 x = 199.93'  
 y = 4.07'  
 k = 99.99'  
 p = 1.02 Ex U  
 C = 199.97'  
 Start = Sta. 577+98.45  
 End = Sta. 579+98.45  
 C.B. = N65°05'00"E

**CURVE DATA**  
 P.I. = Sta. 580+77.01  
 Δ = 05°29'42" LT  
 Dc = 03°30'00"  
 R = 1,637.02'  
 T = 78.56'  
 L = 157.00'  
 E = 1.88'



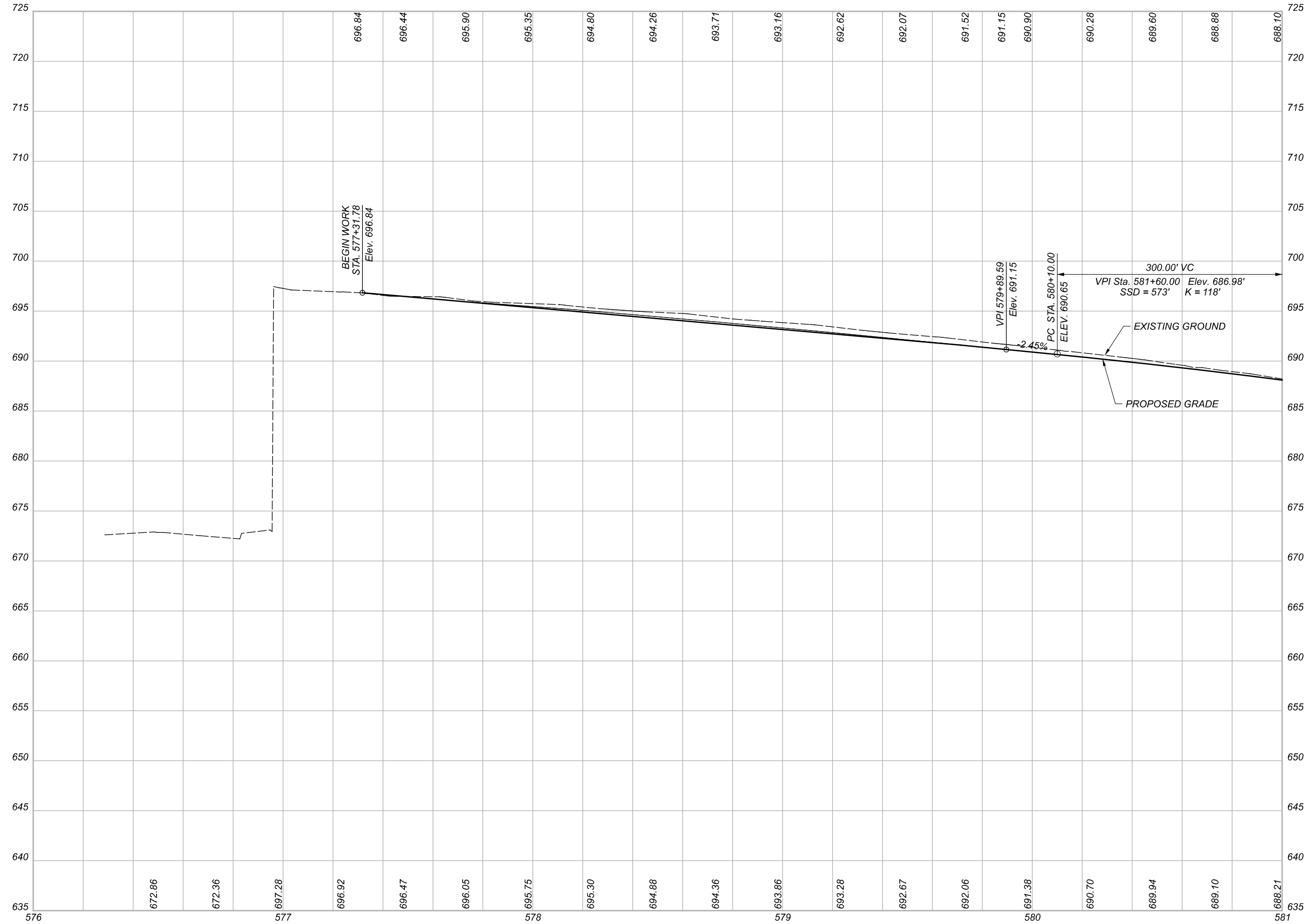
**PLAN - RAMP A3**  
**STA. 576+28.68 TO STA. 581+00.00**

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	400
TOTAL	2339

**BURGESS & NIPLE**  
 100 WEST EURE STREET  
 PAINESVILLE, OHIO 44077

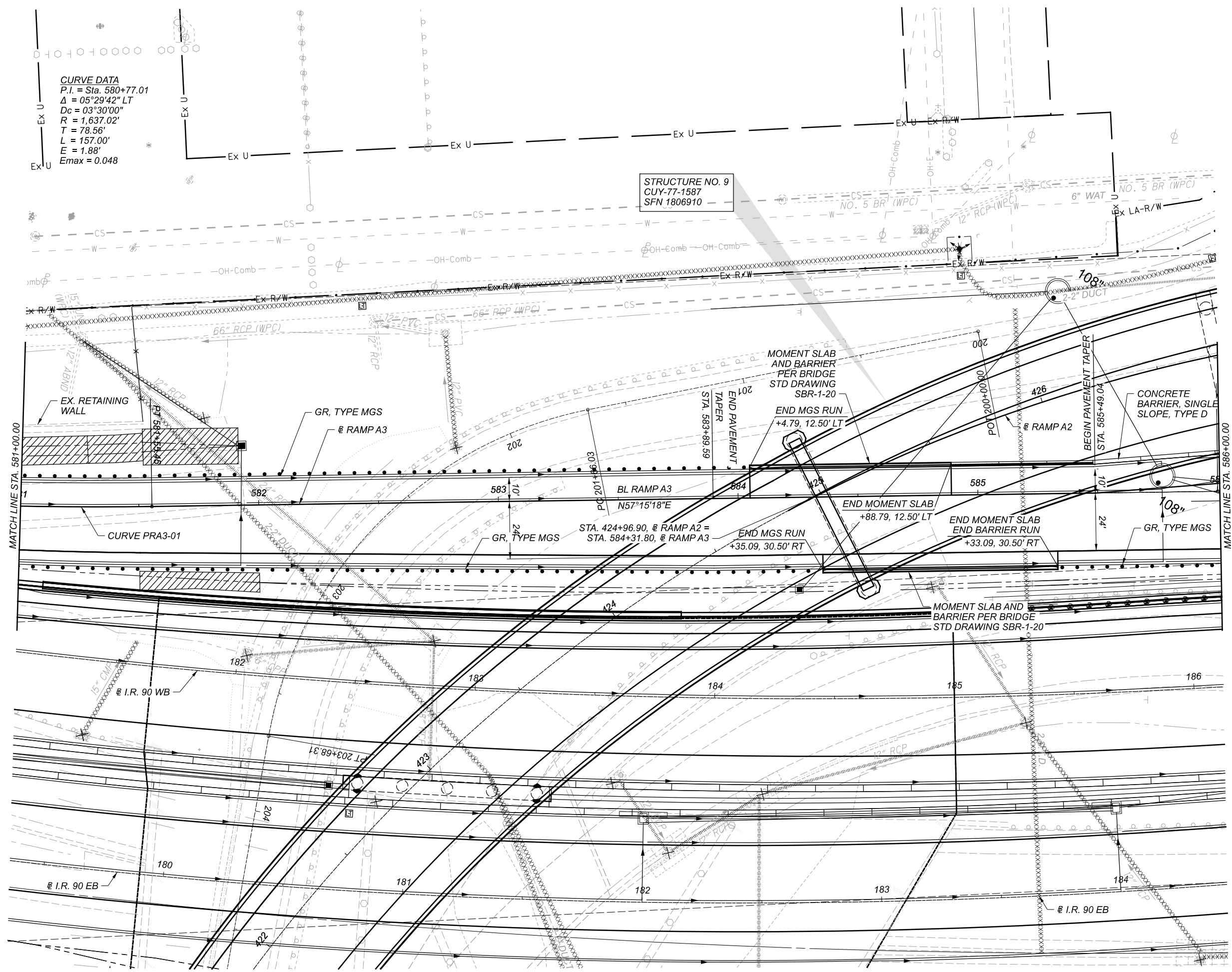
**CUY-90-16.28 (CCG3A)**

MODEL: 82382\_GF330I.PAPER SIZE: ITX (in.) DATE: 6/22/2022 TIME: 9:04:52 PM USER: Kevin.McNutt  
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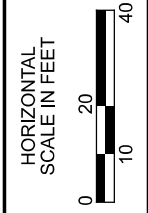
**PROFILE - RAMP A3**  
**STA. 576+00.00 TO STA. 581+00.00**

DESIGN AGENCY	
<b>BURGESS &amp; NIPLÉ</b> 100 WEST ERIE STREET PAINESVILLE, OHIO 44077	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	401
TOTAL	2339



**CURVE DATA**  
 P.I. = Sta. 580+77.01  
 $\Delta = 05^\circ 29' 42''$  LT  
 $D_c = 03^\circ 30' 00''$   
 $R = 1,637.02'$   
 $T = 78.56'$   
 $L = 157.00'$   
 $E = 1.88'$   
 $E_{max} = 0.048$

**STRUCTURE NO. 9**  
 CUY-77-1587  
 SFN 1806910



**PLAN - RAMP A3**  
 STA. 581+00.00 TO STA. 586+00.00

DESIGN AGENCY

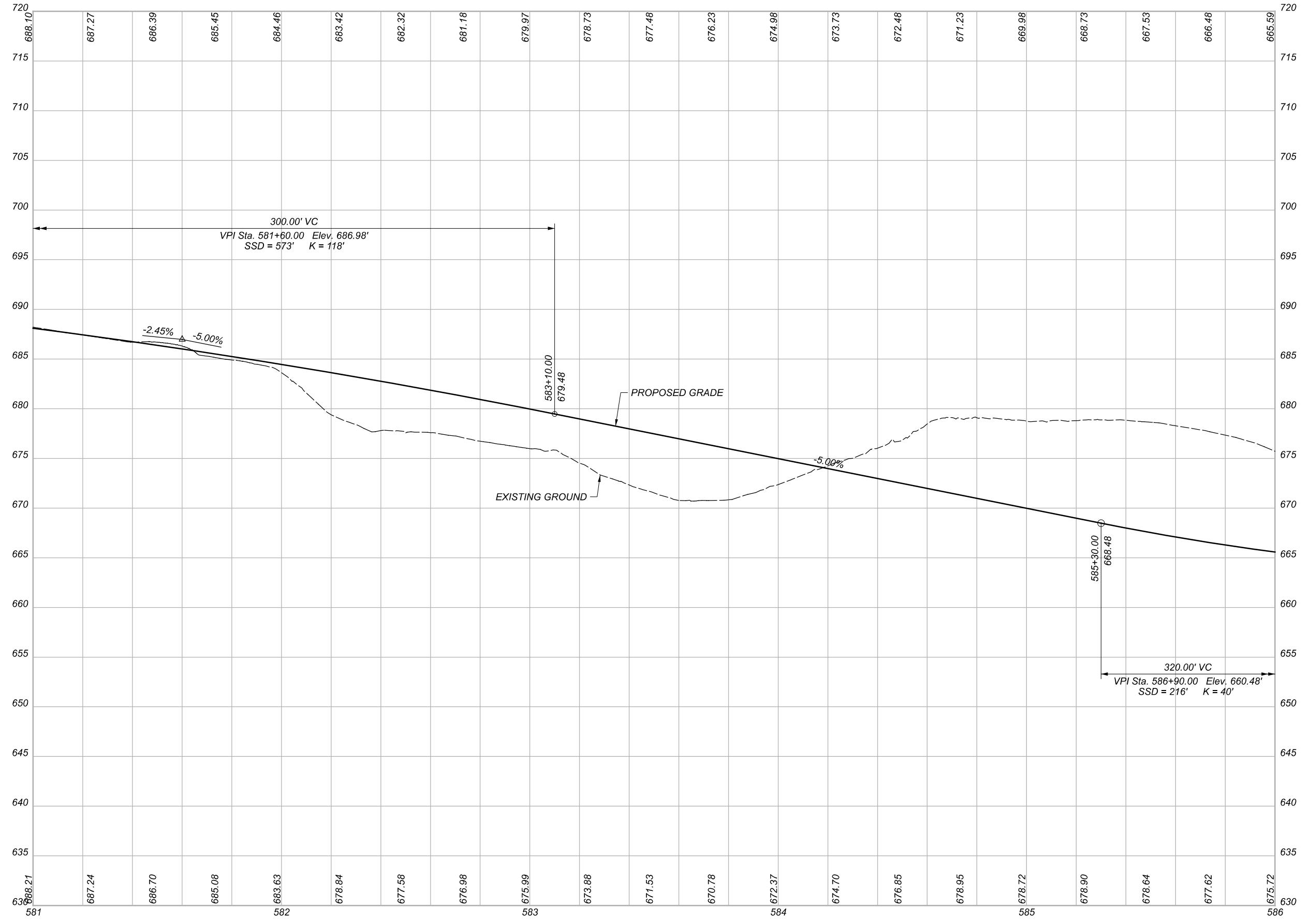
**BURGESS & NIPLE**  
 100 WEST EURE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
402	2339

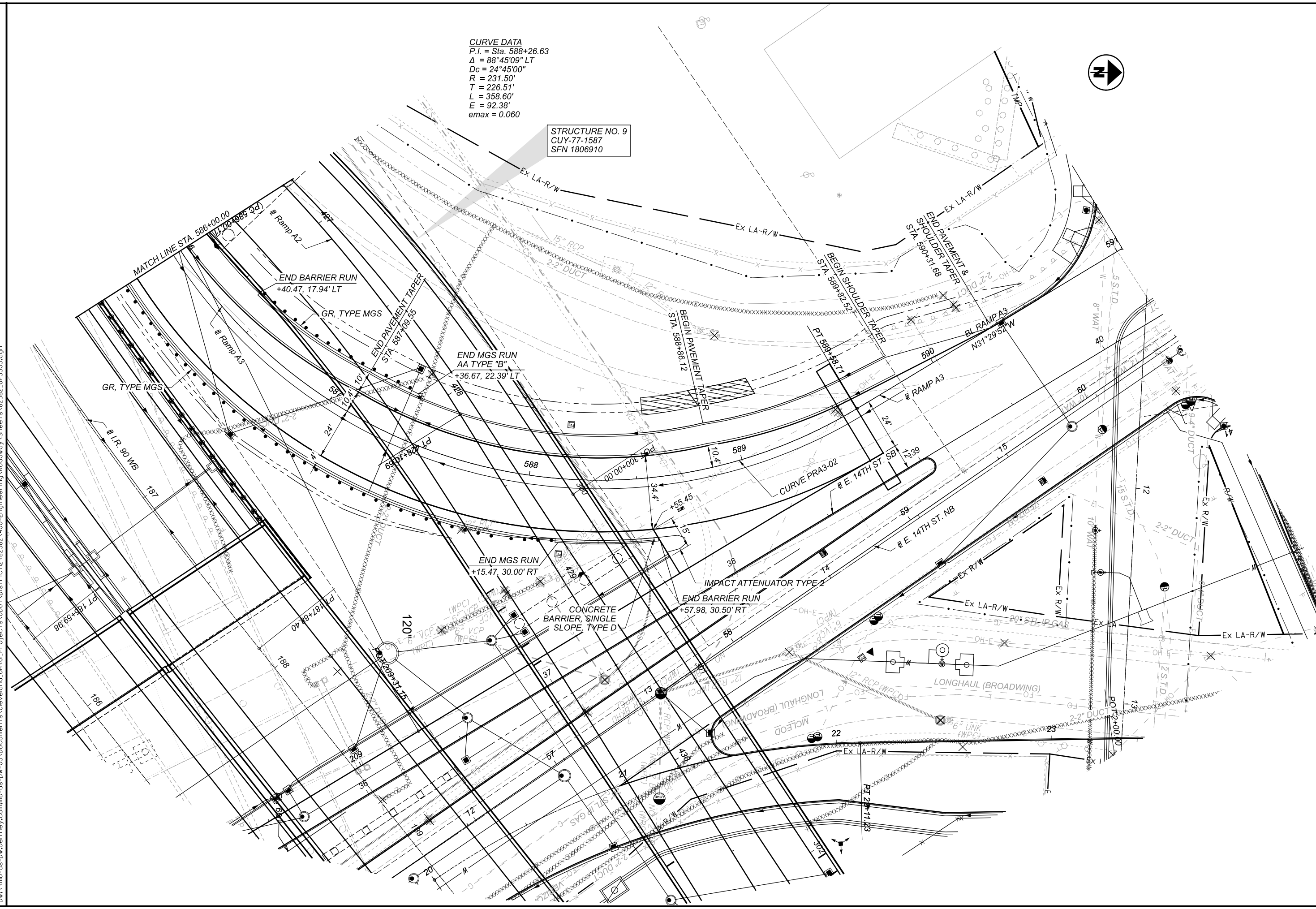


PROFILE - RAMP A3  
 STA. 581+00.00 TO STA. 586+00.00

DESIGN AGENCY	
<b>BURGESS &amp; NIPLE</b> 100 WEST ERE STREET PAINESVILLE, OHIO 44077	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	403
TOTAL	2339

CURVE DATA  
P.I. = Sta. 588+26.63  
 $\Delta = 88^\circ 45' 09''$  LT  
 $D_c = 24^\circ 45' 00''$   
R = 231.50'  
T = 226.51'  
L = 358.60'  
E = 92.38'  
emax = 0.060

STRUCTURE NO. 9  
CUY-77-1587  
SFN 1806910



PLAN - RAMP A3  
STA. 586+00.00 TO END

DESIGN AGENCY

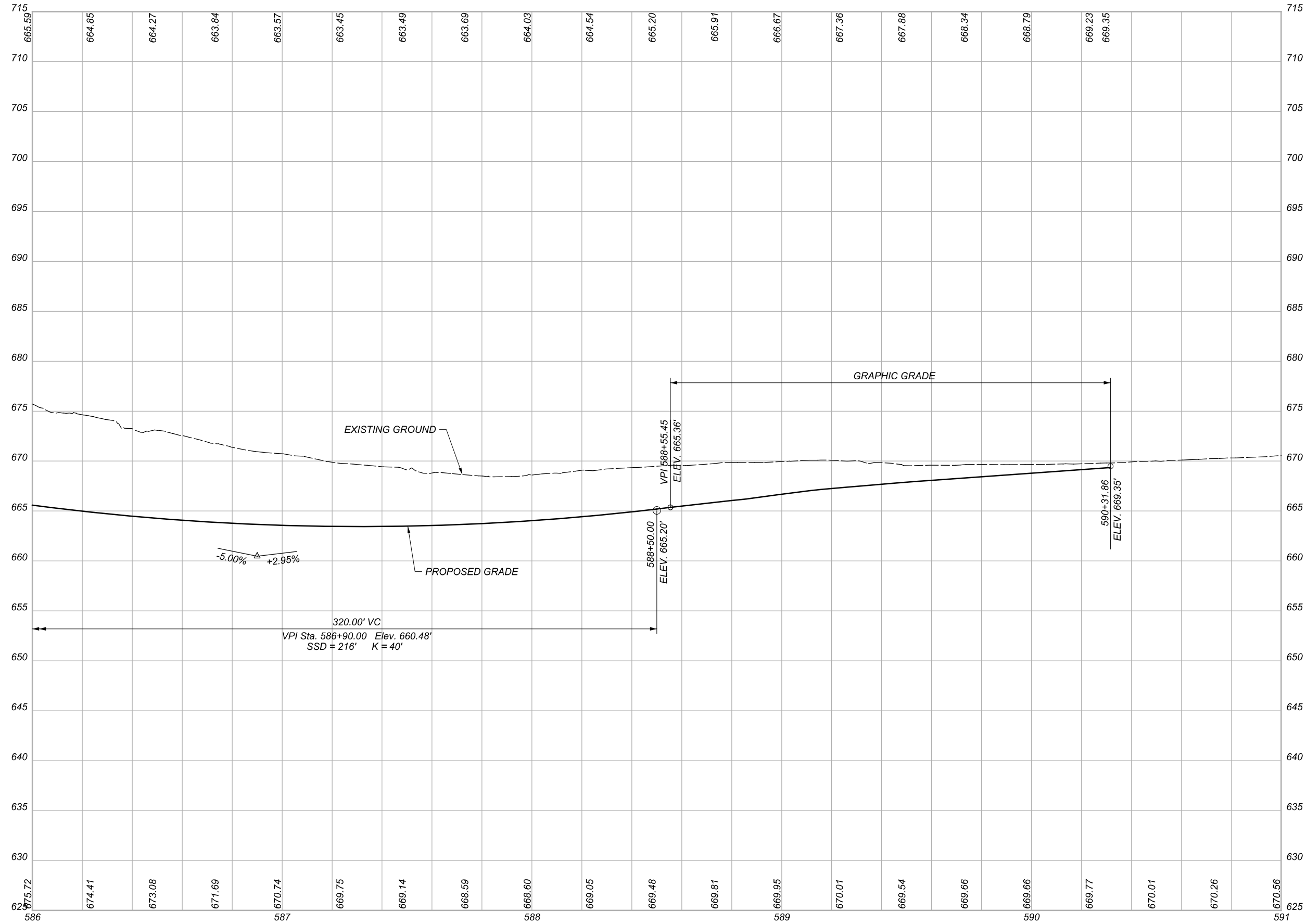
**BURGESS & NIPLÉ**  
100 WEST ERIE STREET  
PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET TOTAL  
404 2339



PROFILE - RAMP A3  
 STA. 586+00.00 TO END

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST ERIE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID

82382

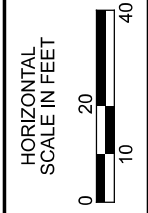
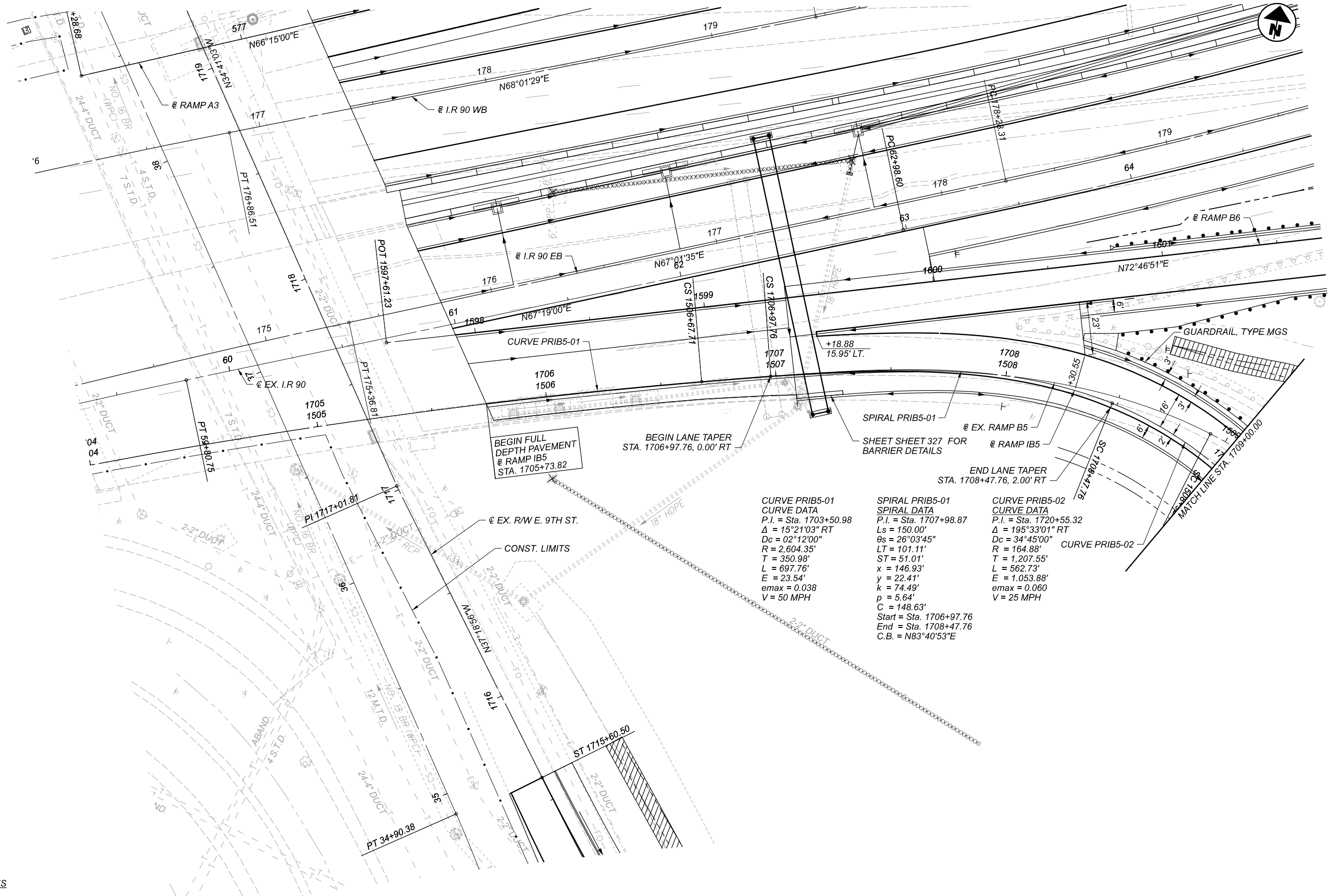
SHEET TOTAL

405 2339



NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



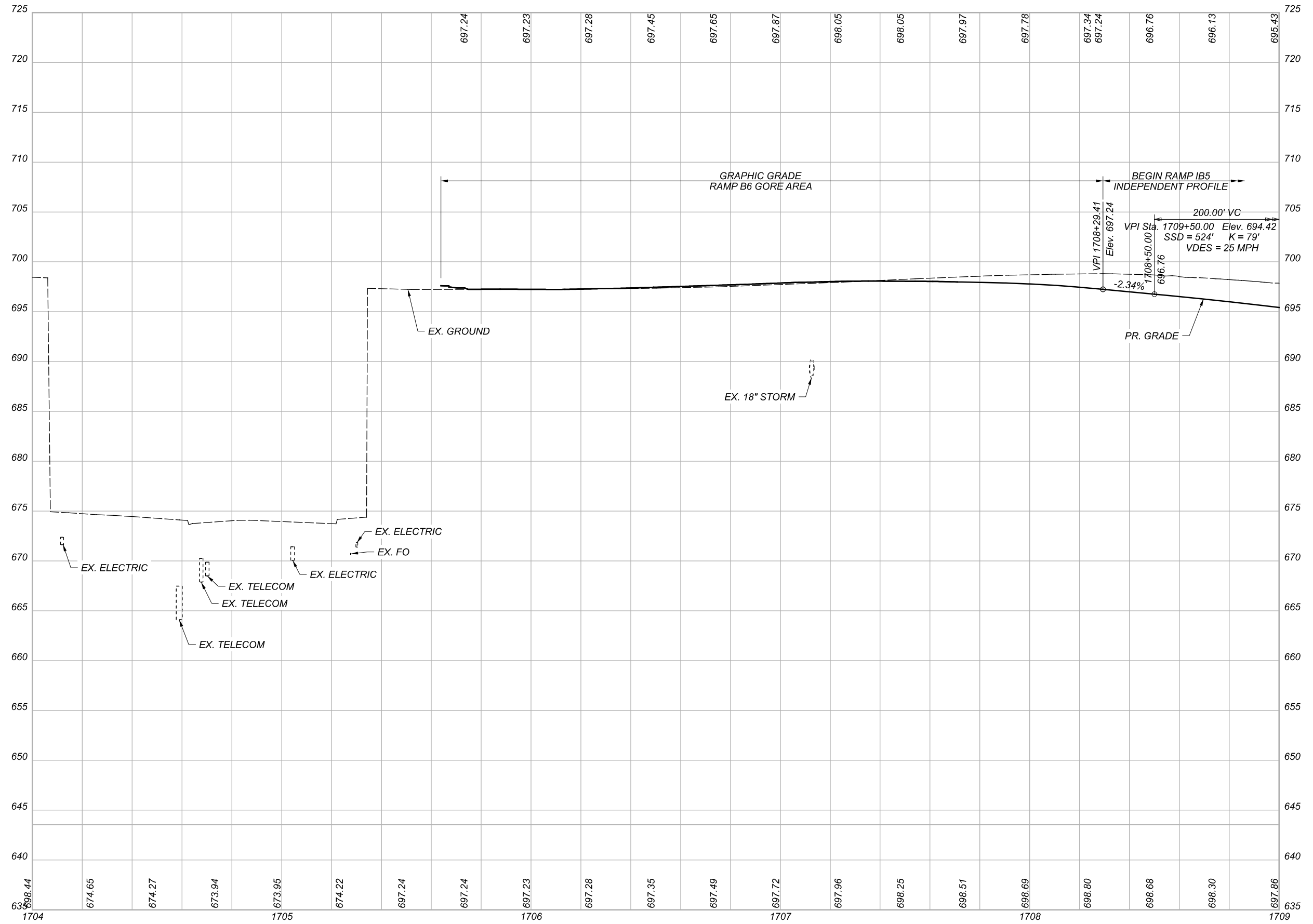
PLAN - RAMP IB5  
 BEGIN TO STA. 1709+00.00

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
406	2339





PROFILE - RAMP IB5  
 BEGIN TO STA. 1709+00.00

DESIGN AGENCY



DESIGNER

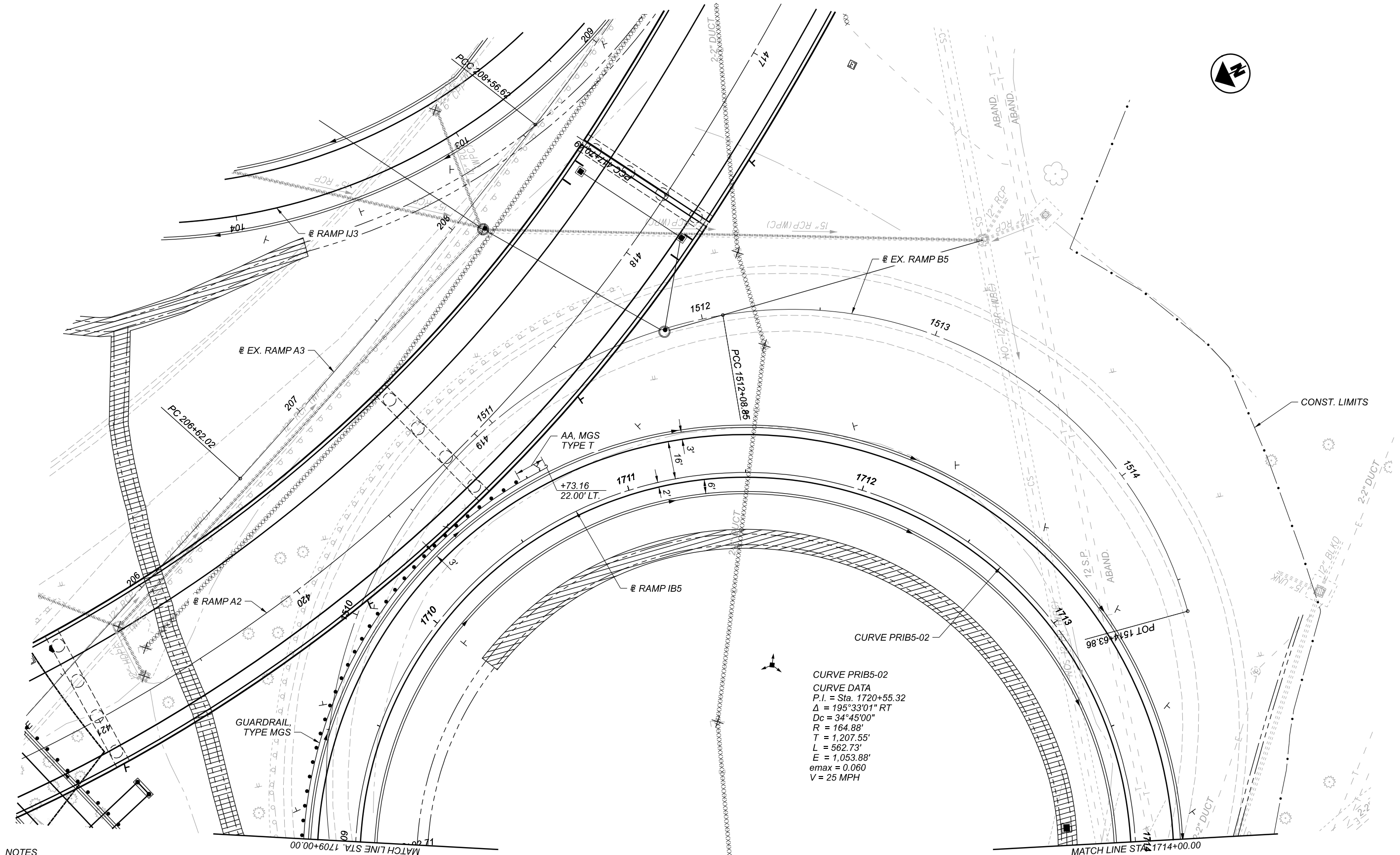
REVIEWER

PROJECT ID

82382

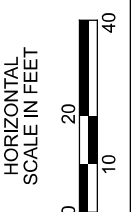
SHEET TOTAL

407 2339



- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

**CURVE PRIB5-02**  
 CURVE DATA  
 P.I. = Sta. 1720+55.32  
 $\Delta = 195^\circ 33' 01''$  RT  
 $D_c = 34^\circ 45' 00''$   
 $R = 164.88'$   
 $T = 1,207.55'$   
 $L = 562.73'$   
 $E = 1,053.88'$   
 $e_{max} = 0.060$   
 $V = 25$  MPH



PLAN - RAMP IB5  
 STA. 1709+00.00 TO STA. 1714+00.00

DESIGN AGENCY



DESIGNER

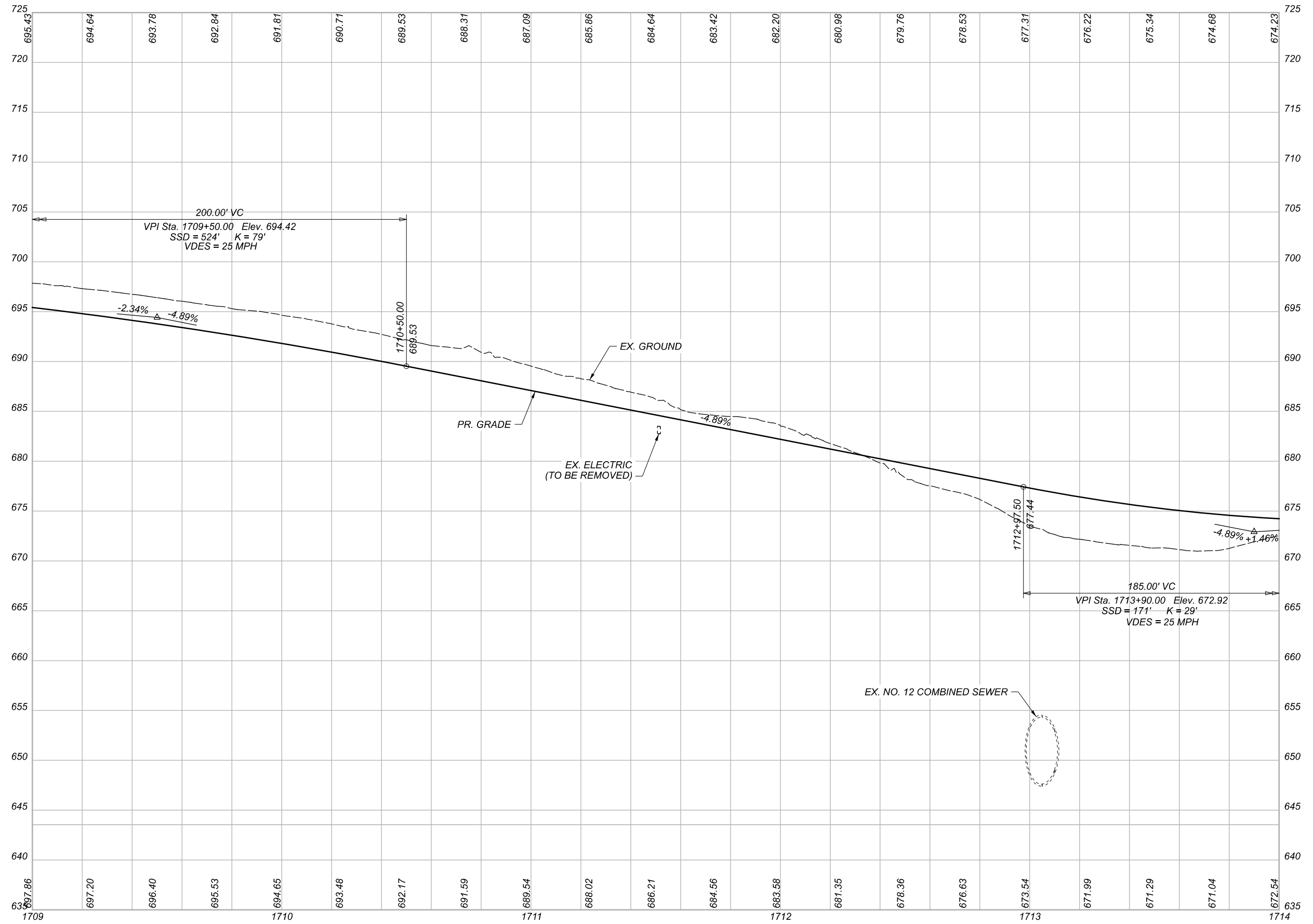
REVIEWER

PROJECT ID

82382

SHEET TOTAL

408 2339



PROFILE - RAMP IB5  
 STA. 1709+00.00 TO STA. 1714+00.00

DESIGN AGENCY



DESIGNER

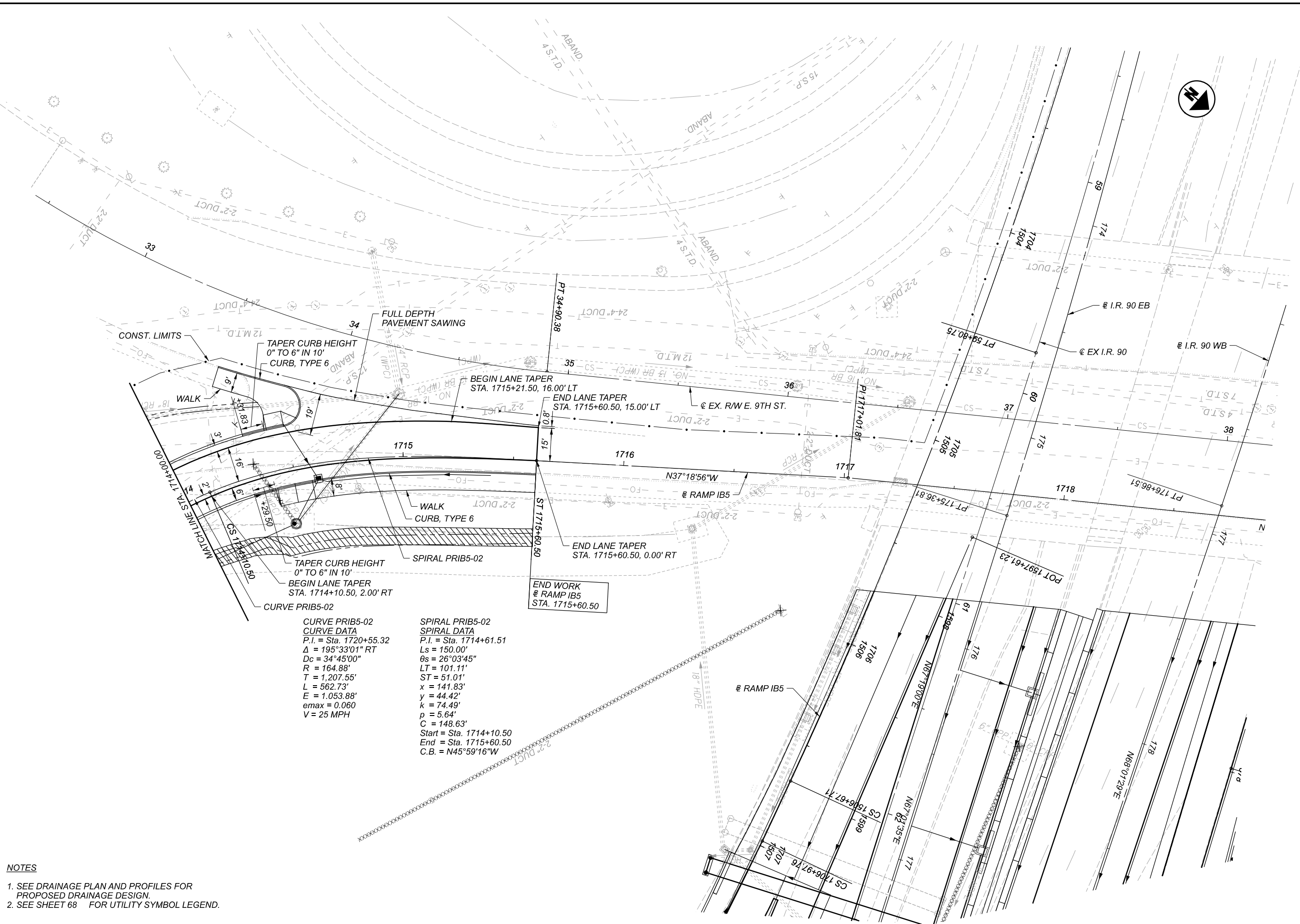
REVIEWER

PROJECT ID

82382

SHEET TOTAL

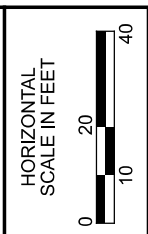
409 2339



**CURVE PRIB5-02**  
 CURVE DATA  
 P.I. = Sta. 1720+55.32  
 $\Delta = 195^\circ 33' 01''$  RT  
 $D_c = 34^\circ 45' 00''$   
 $R = 164.88'$   
 $T = 1,207.55'$   
 $L = 562.73'$   
 $E = 1,053.88'$   
 $e_{max} = 0.060$   
 $V = 25$  MPH

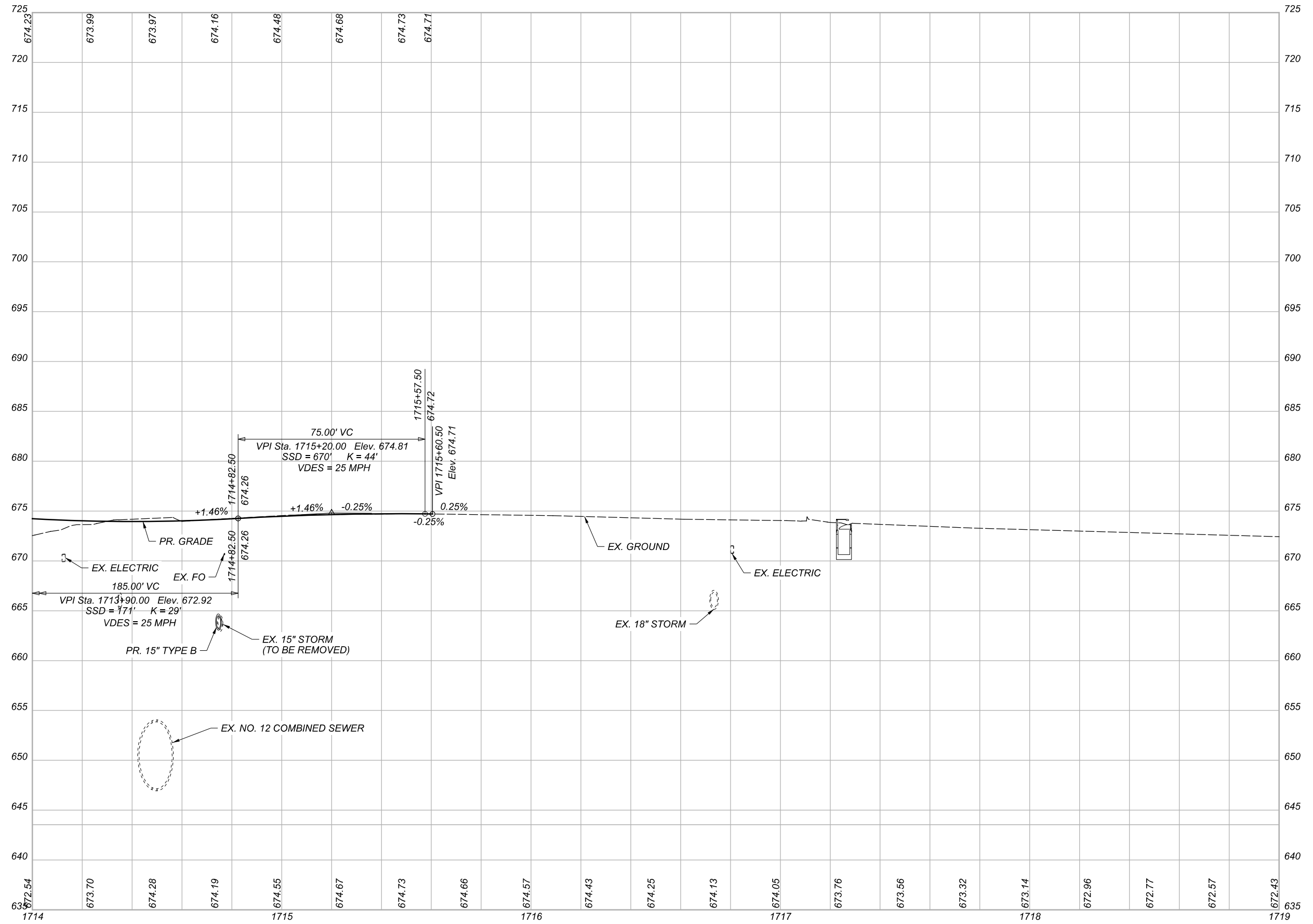
**SPIRAL PRIB5-02**  
 SPIRAL DATA  
 P.I. = Sta. 1714+61.51  
 $L_s = 150.00'$   
 $\theta_s = 26^\circ 03' 45''$   
 $LT = 101.11'$   
 $ST = 51.01'$   
 $x = 141.83'$   
 $y = 44.42'$   
 $k = 74.49'$   
 $p = 5.64'$   
 $C = 148.63'$   
 Start = Sta. 1714+10.50  
 End = Sta. 1715+60.50  
 C.B. =  $N45^\circ 59' 16''$  W

- NOTES**
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - RAMP IB5**  
 STA. 1714+00.00 TO END

DESIGN AGENCY	<b>HR</b>
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
410	2339



PROFILE - RAMP IB5  
 STA. 1714+00.00 TO END

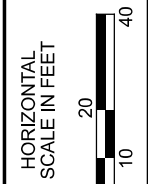
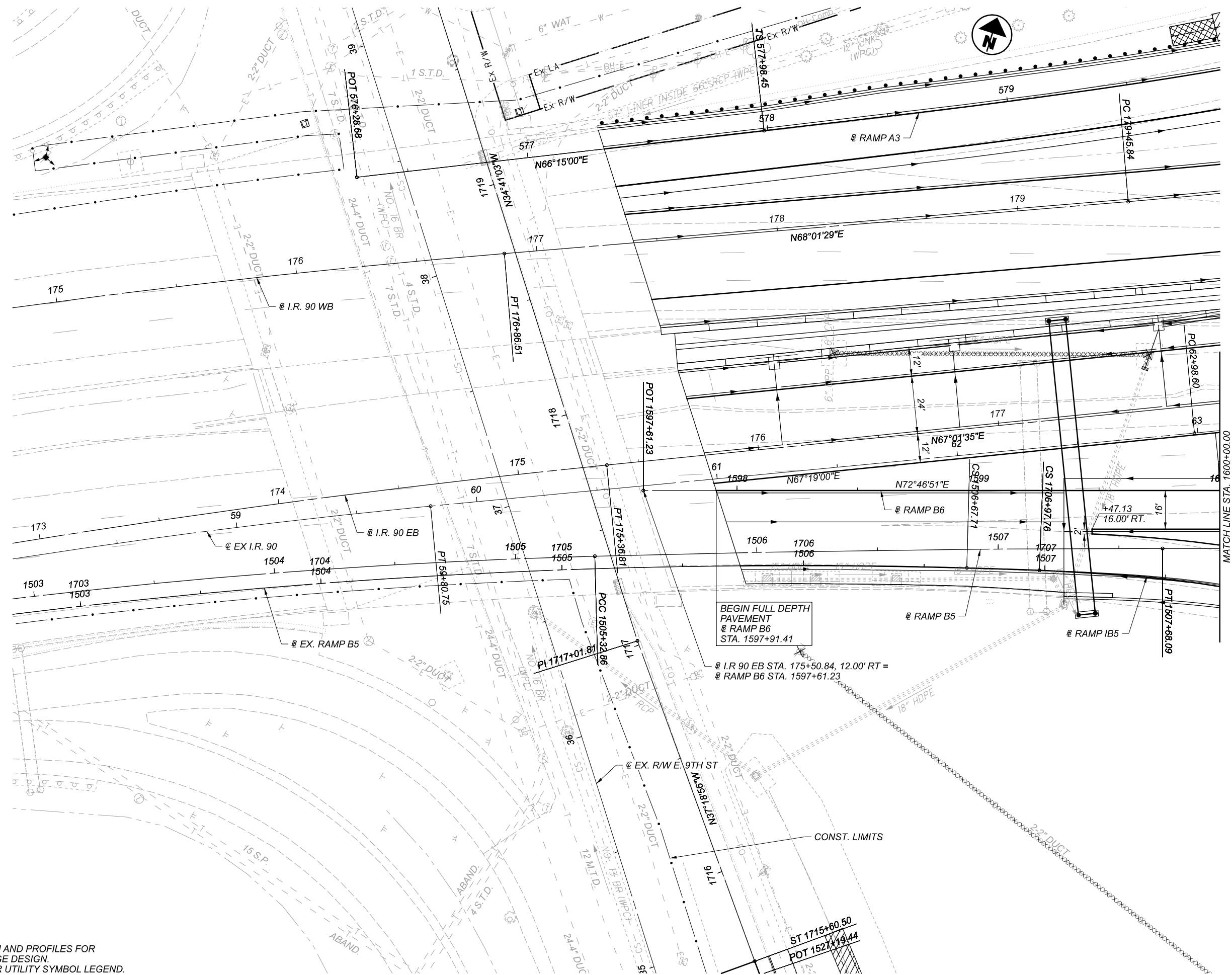
DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	411
TOTAL	2339

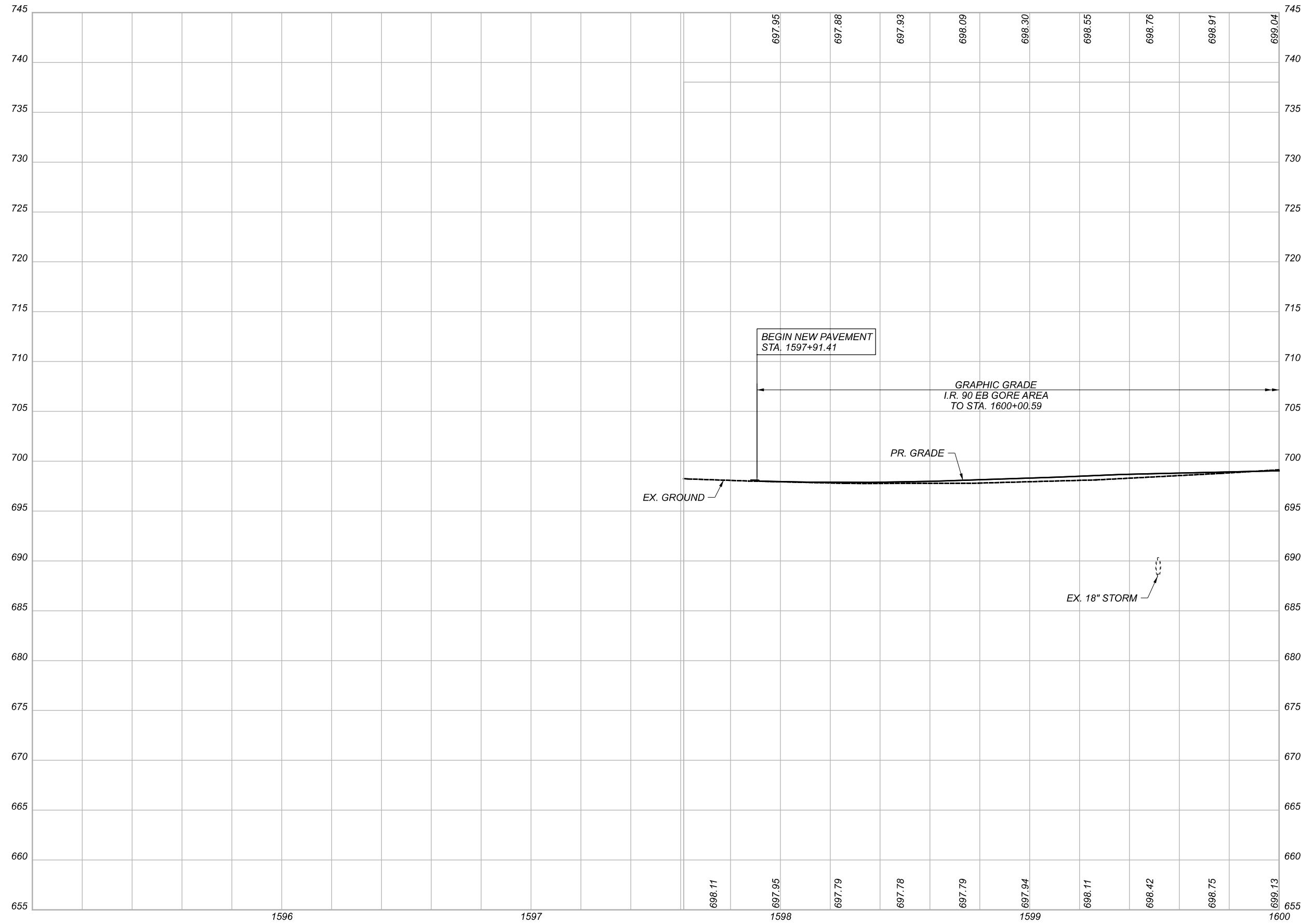
NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - RAMP B6  
 BEGIN TO STA. 1600+00.00

DESIGN AGENCY	
<b>HR</b>	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	412
TOTAL	2339



PROFILE - RAMP B6  
 BEGIN TO STA. 1600+00.00

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

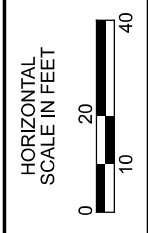
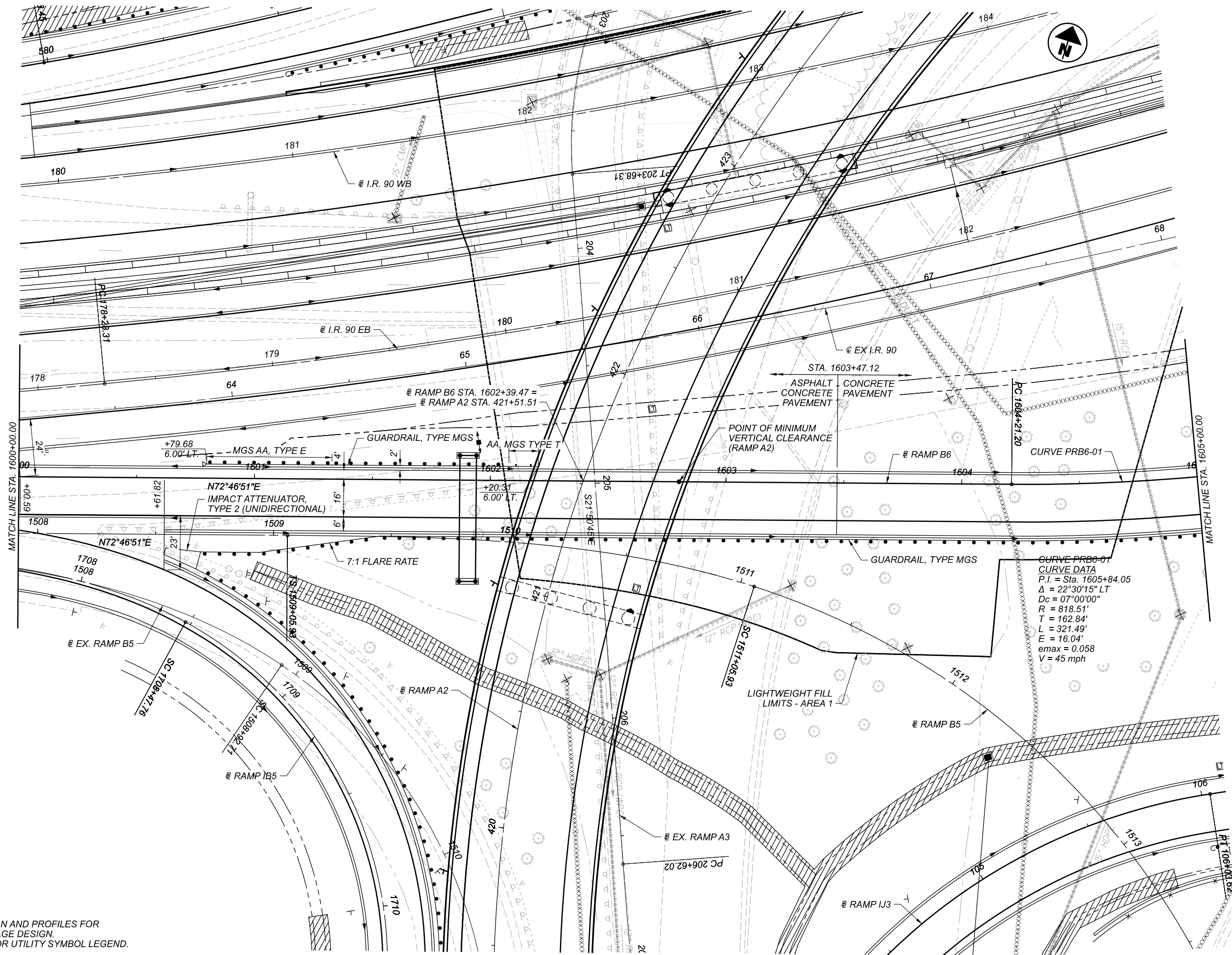
82382

SHEET	TOTAL
413	2339



NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



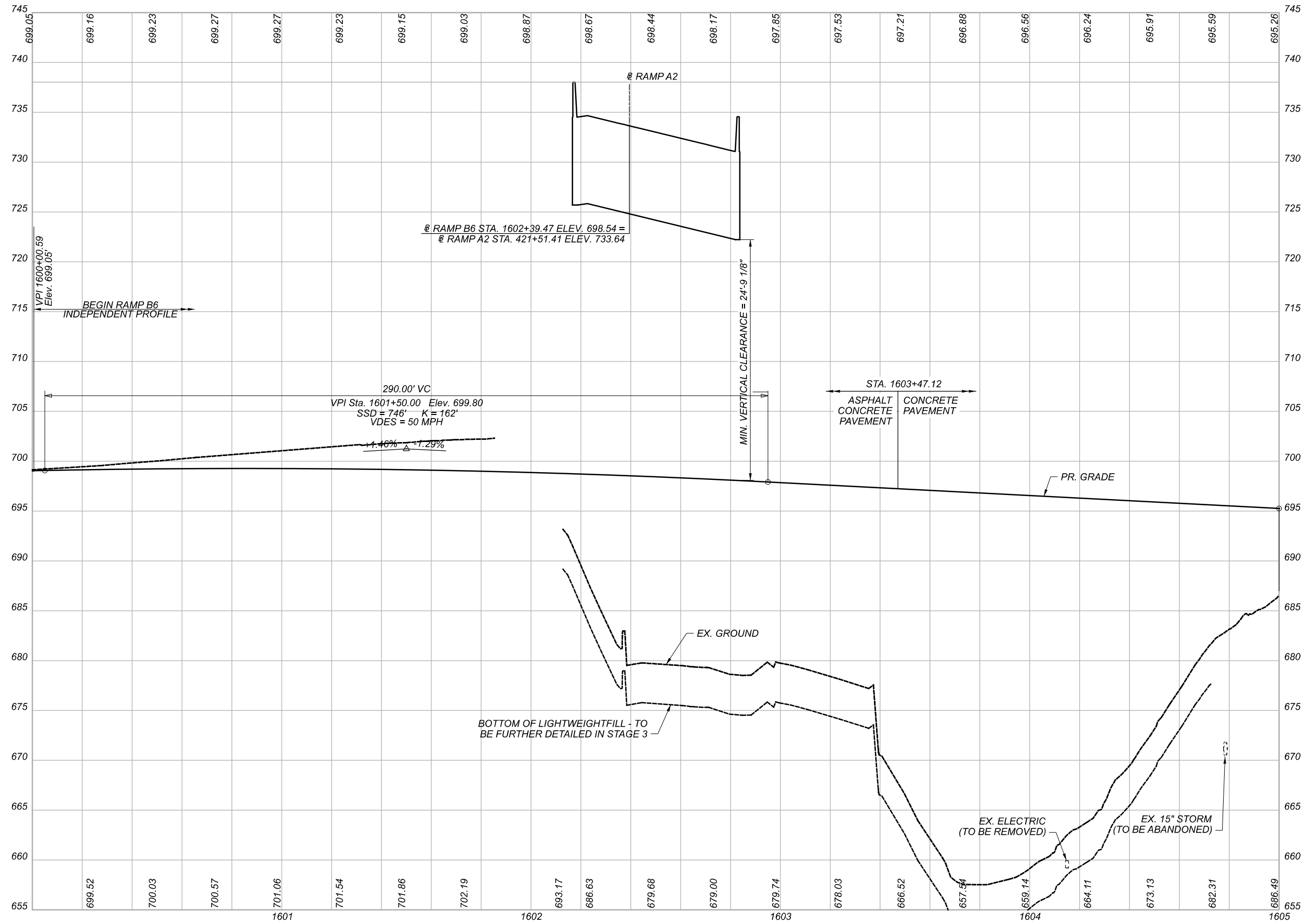
PLAN - RAMP B6  
 STA. 1600+00.00 TO STA. 1605+00.00

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
414	2339





PROFILE - RAMP B6  
 STA. 1600+00.00 TO STA. 1605+00.00

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

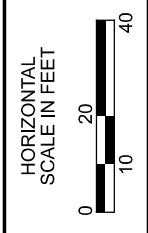
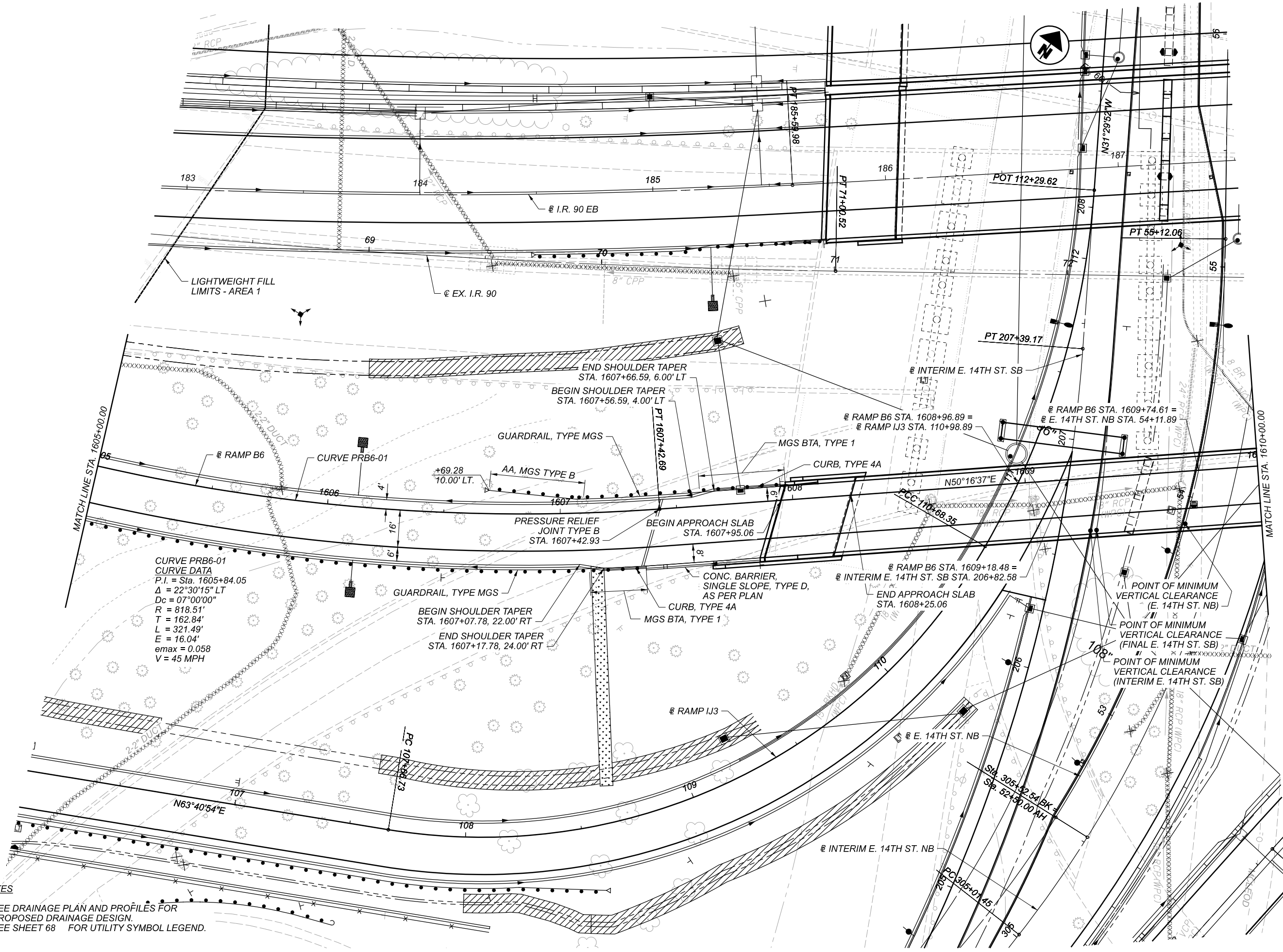
82382

SHEET TOTAL

415 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

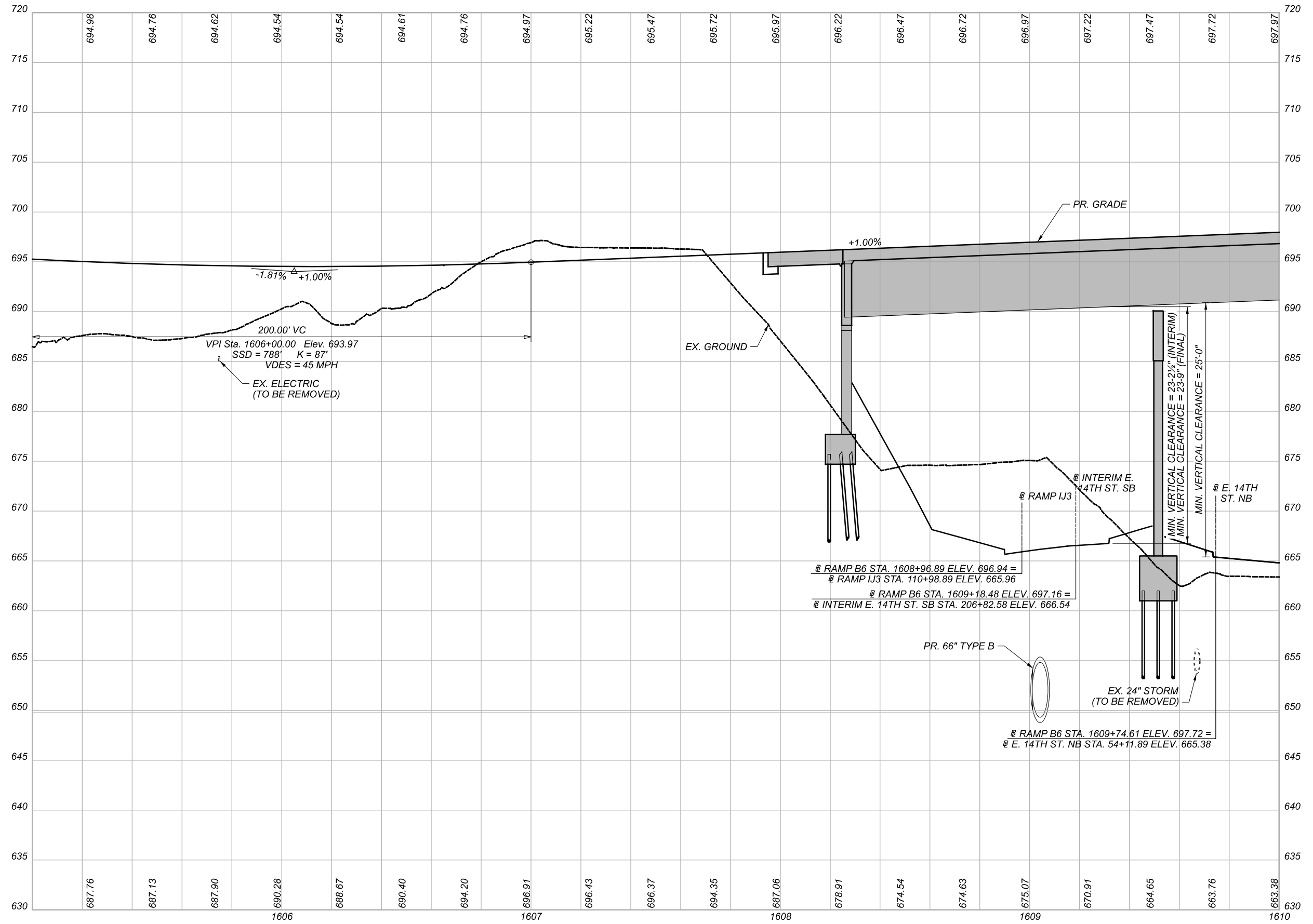


PLAN - RAMP B6  
 STA. 1605+00.00 TO STA. 1610+00.00

DESIGN AGENCY



DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
416	2339



PROFILE - RAMP B6  
 STA. 1605+00.00 TO STA. 1610+00.00

DESIGN AGENCY



DESIGNER

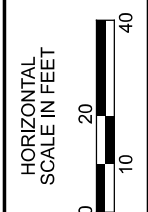
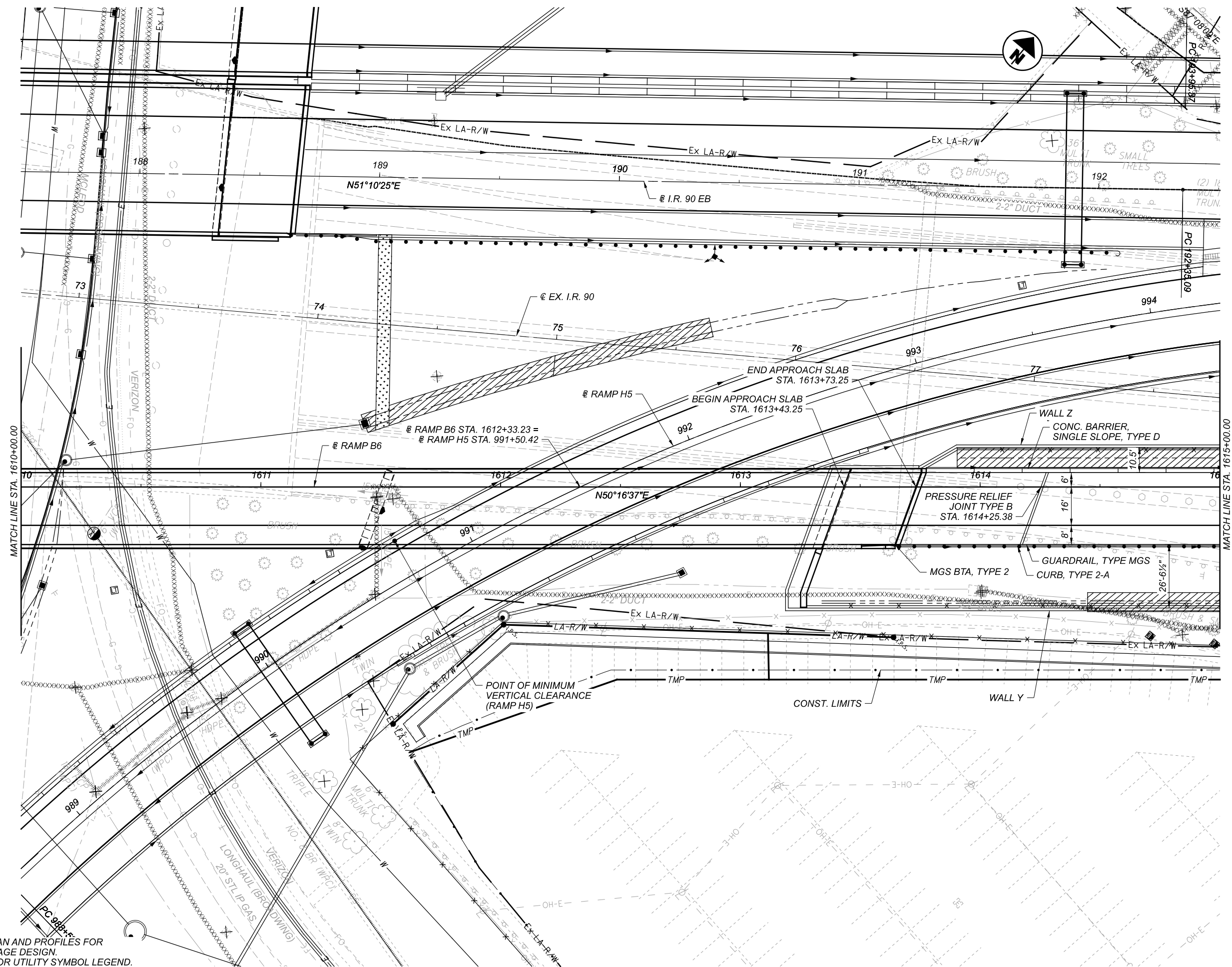
REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
417	2339

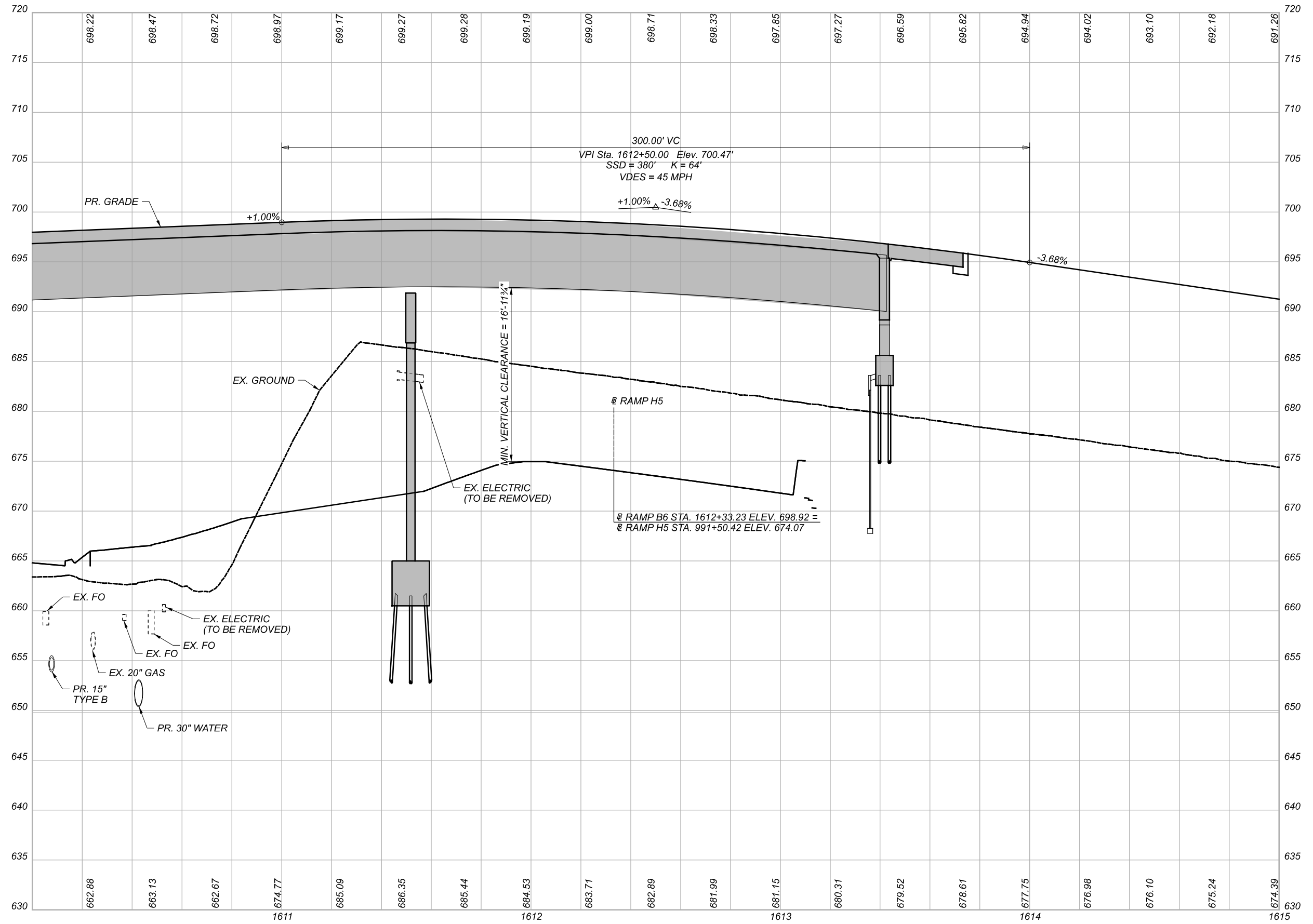
NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - RAMP B6  
 STA. 1610+00.00 TO STA. 1615+00.00

DESIGN AGENCY	
<b>HR</b>	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	418
TOTAL	2339



PROFILE - RAMP B6  
 STA. 1610+00.00 TO STA. 1615+00.00

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

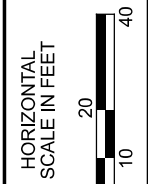
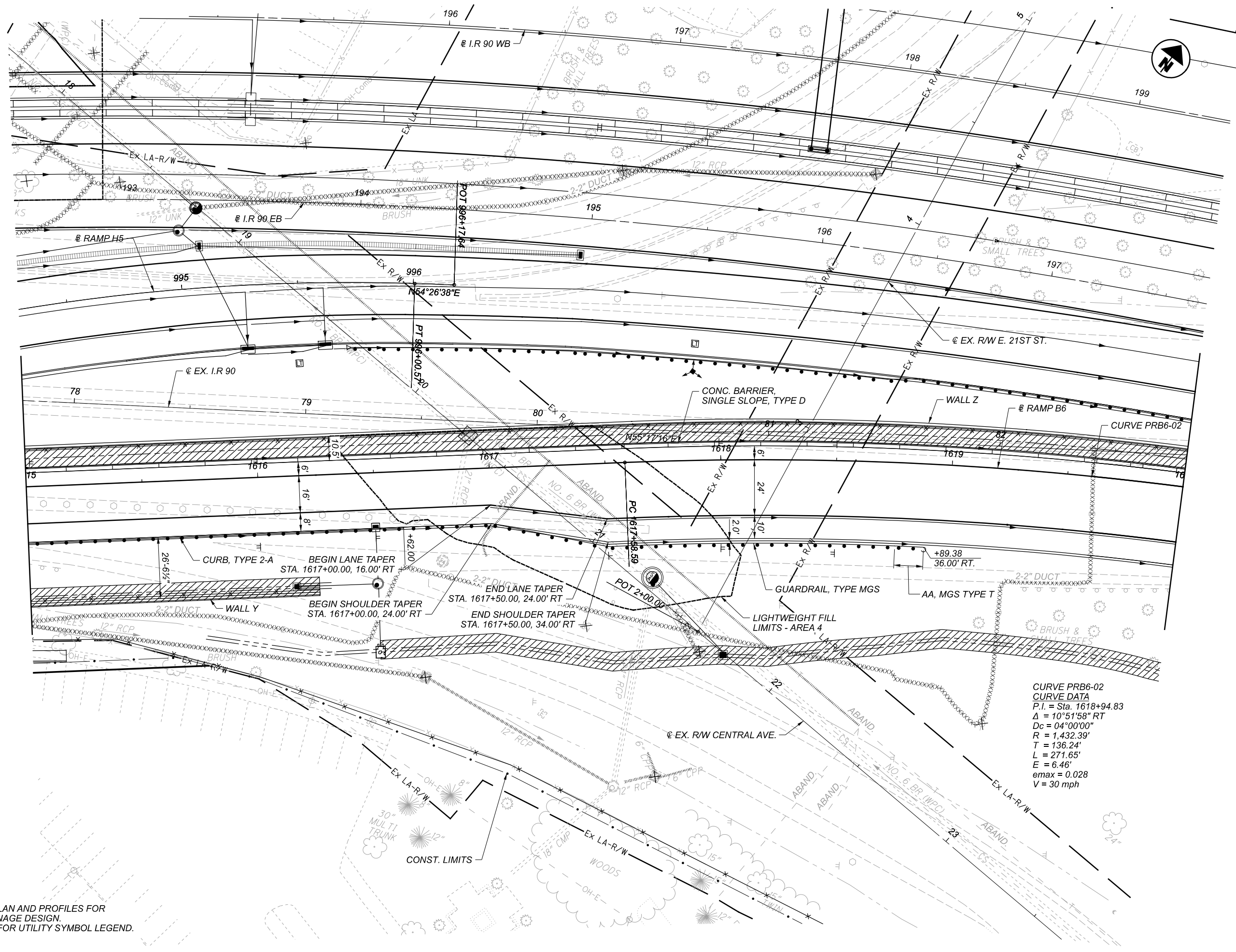
82382

SHEET TOTAL

419 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - RAMP B6  
 STA. 1615+00.00 TO STA. 1620+00.00

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

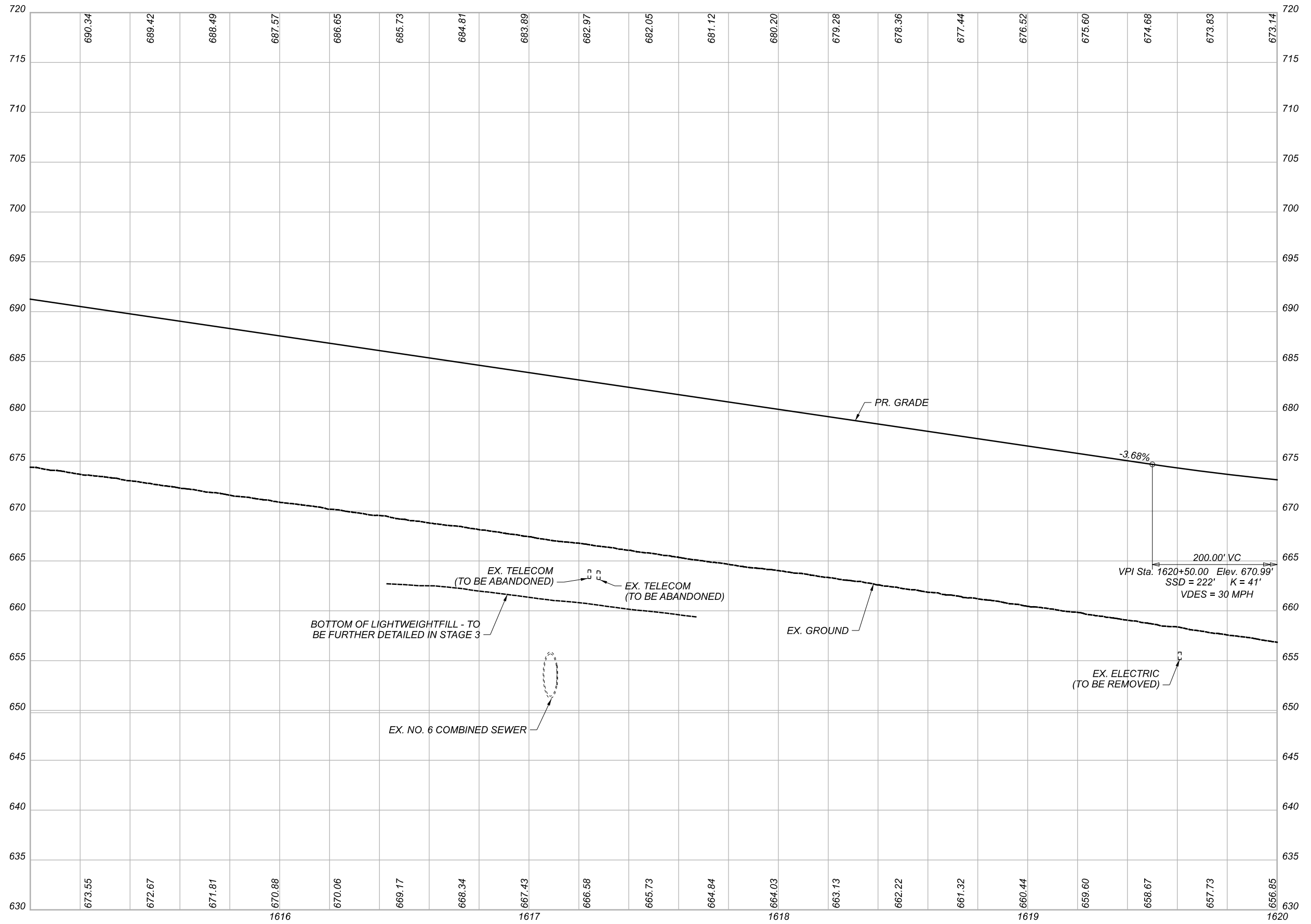
82382

SHEET

420

TOTAL

2339



DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

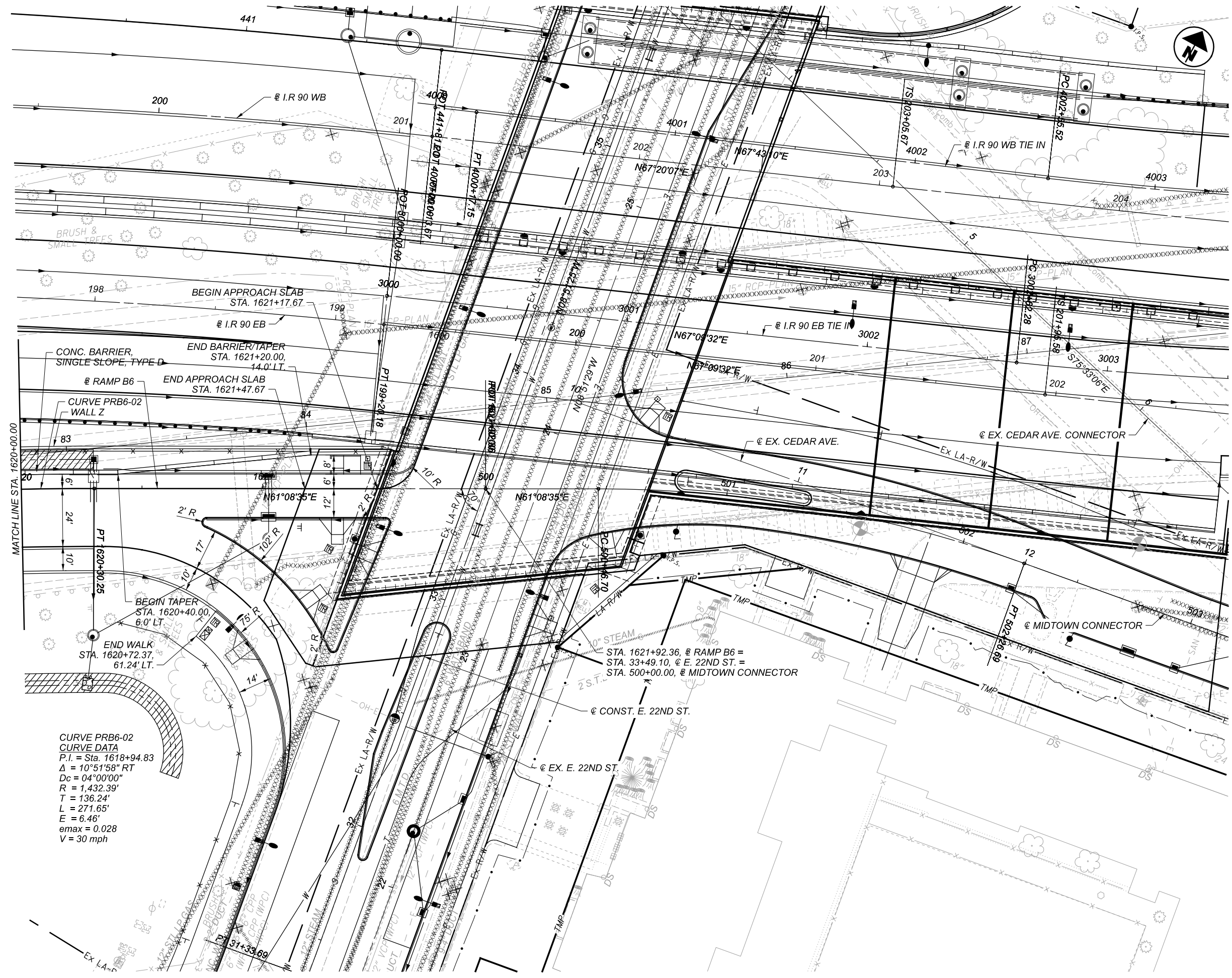
82382

SHEET TOTAL

421 2339

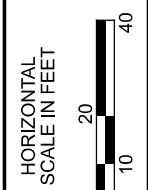
PROFILE - RAMP B6  
 STA. 1615+00.00 TO STA. 1620+00.00





CURVE PRB6-02  
 CURVE DATA  
 P.I. = Sta. 1618+94.83  
 $\Delta = 10^{\circ}51'58" RT$   
 $D_c = 04^{\circ}00'00"$   
 $R = 1,432.39'$   
 $T = 136.24'$   
 $L = 271.65'$   
 $E = 6.46'$   
 $e_{max} = 0.028$   
 $V = 30 \text{ mph}$

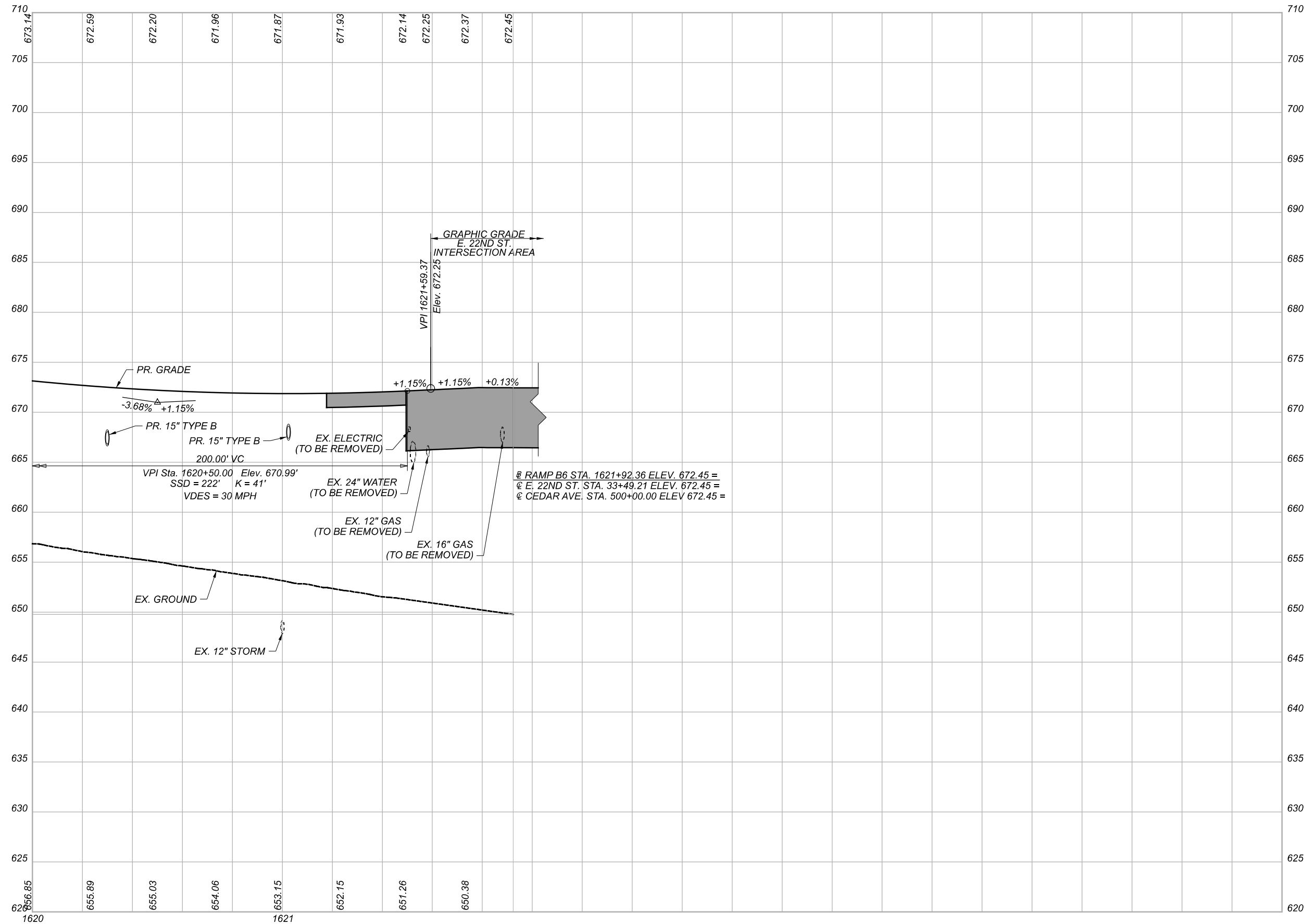
STA. 1621+92.36, @ RAMP B6 =  
 STA. 33+49.10, @ E. 22ND ST. =  
 STA. 500+00.00, @ MIDTOWN CONNECTOR



PLAN - RAMP B6  
 STA. 1620+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	422
TOTAL	2339





PROFILE - RAMP B6  
STA. 1620+00.00 to END

DESIGN AGENCY



DESIGNER

REVIEWER

PROJECT ID

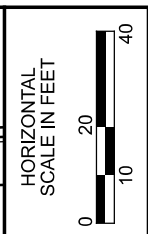
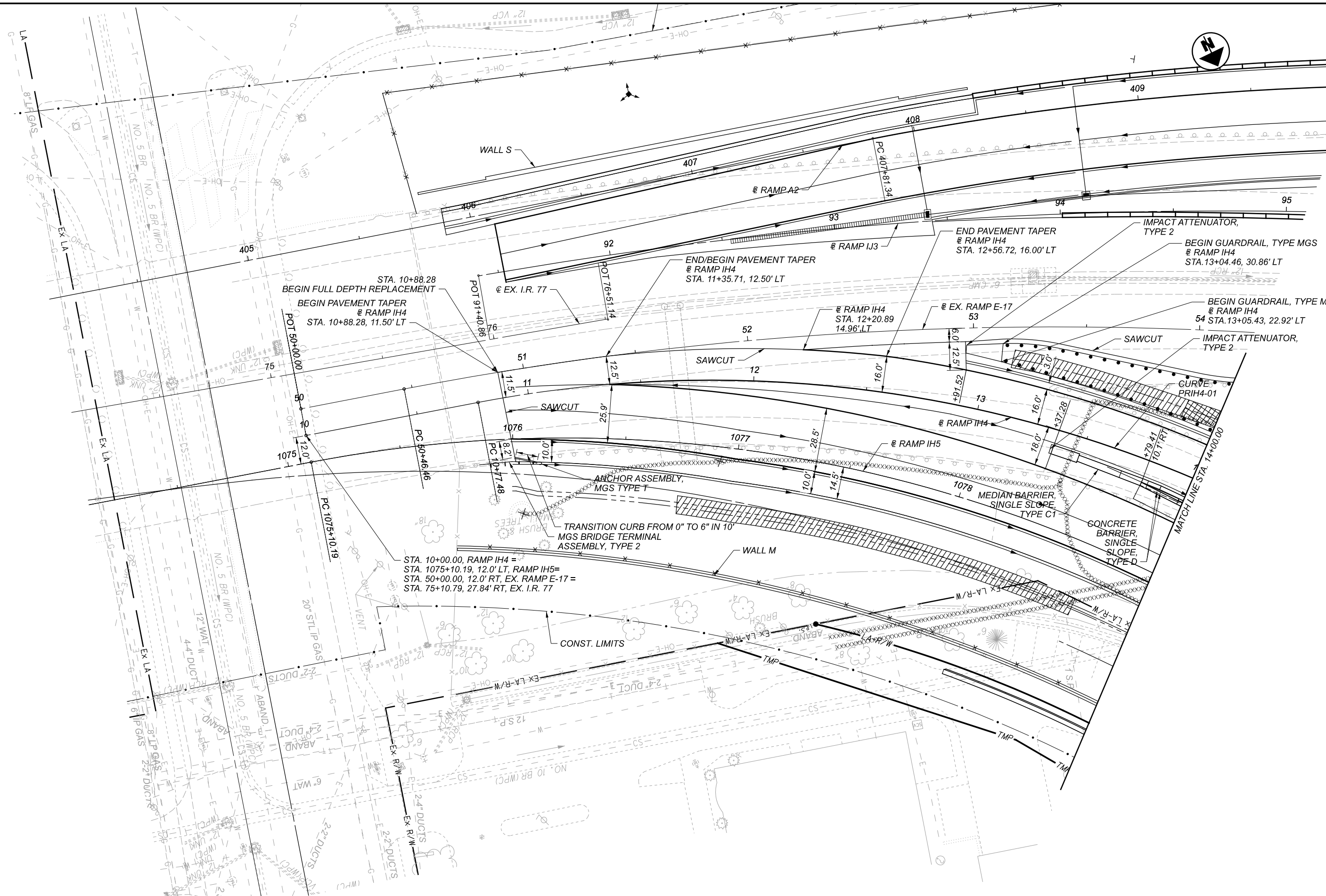
82382

SHEET TOTAL

423 2339

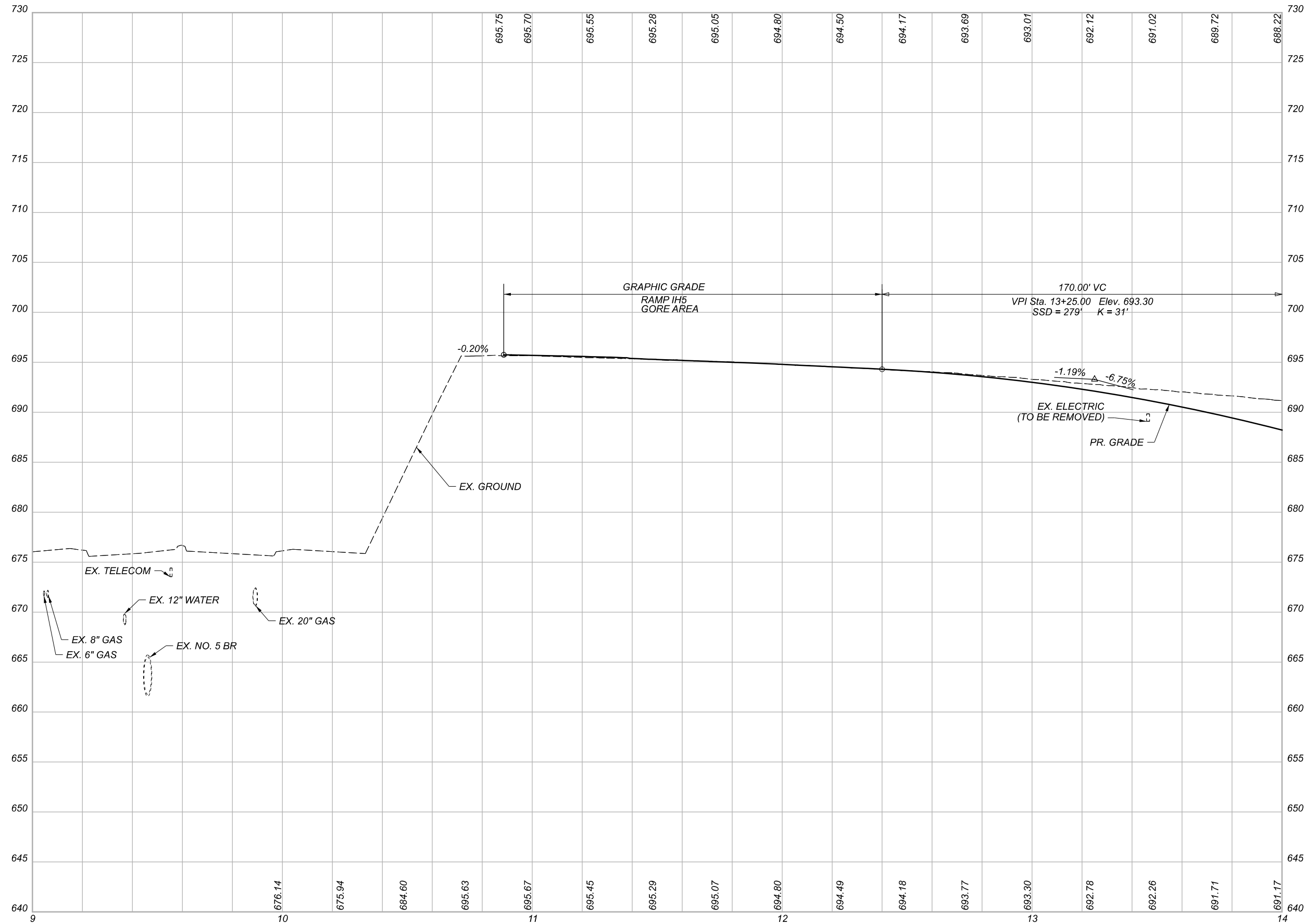
NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - RAMP IH4  
 BEGIN TO STA. 14+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	424
TOTAL	2339



PROFILE - RAMP IH4  
 BEGIN TO STA. 14+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

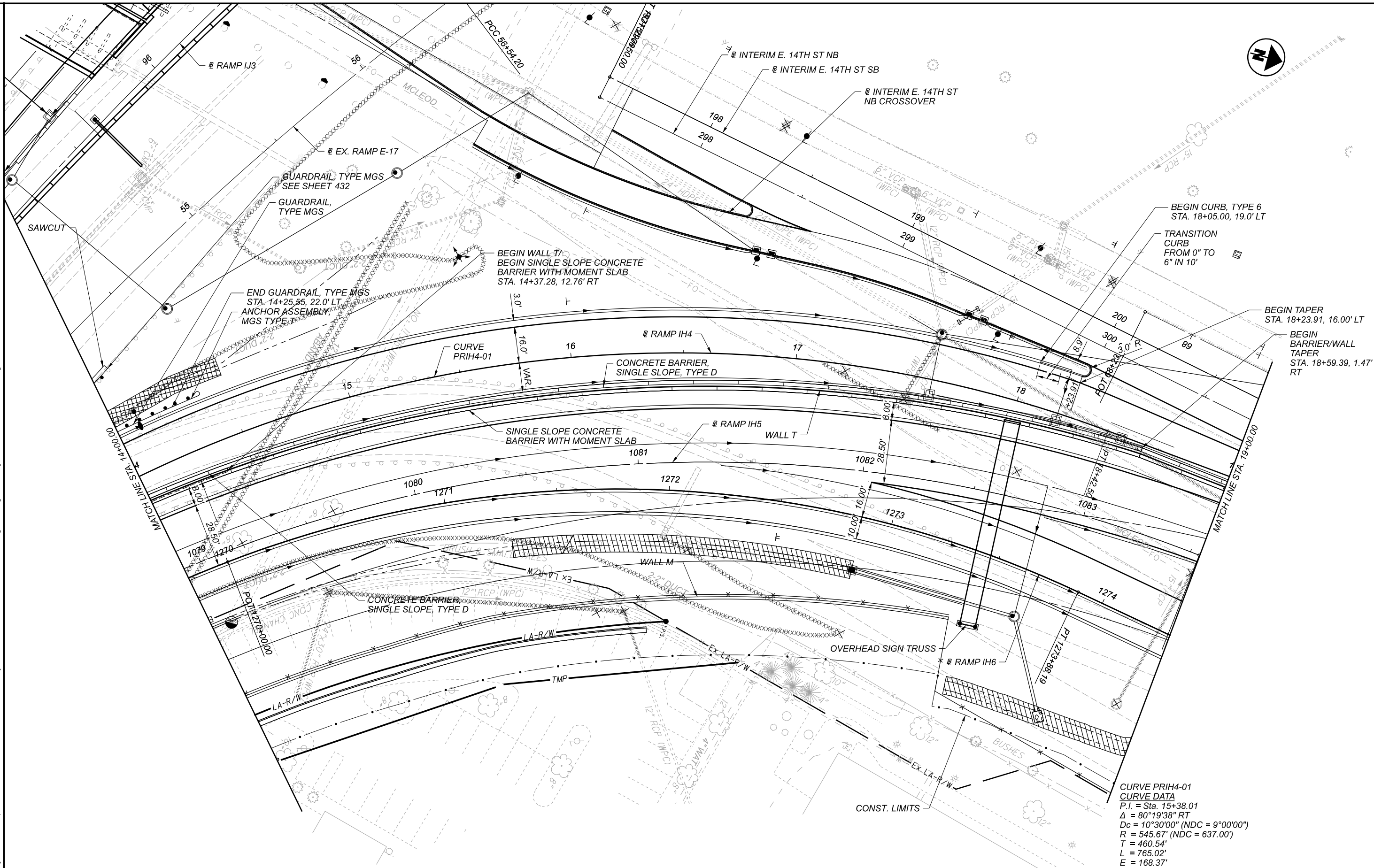
82382

SHEET TOTAL

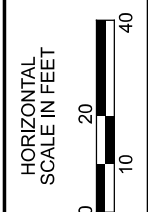
425 2339

**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

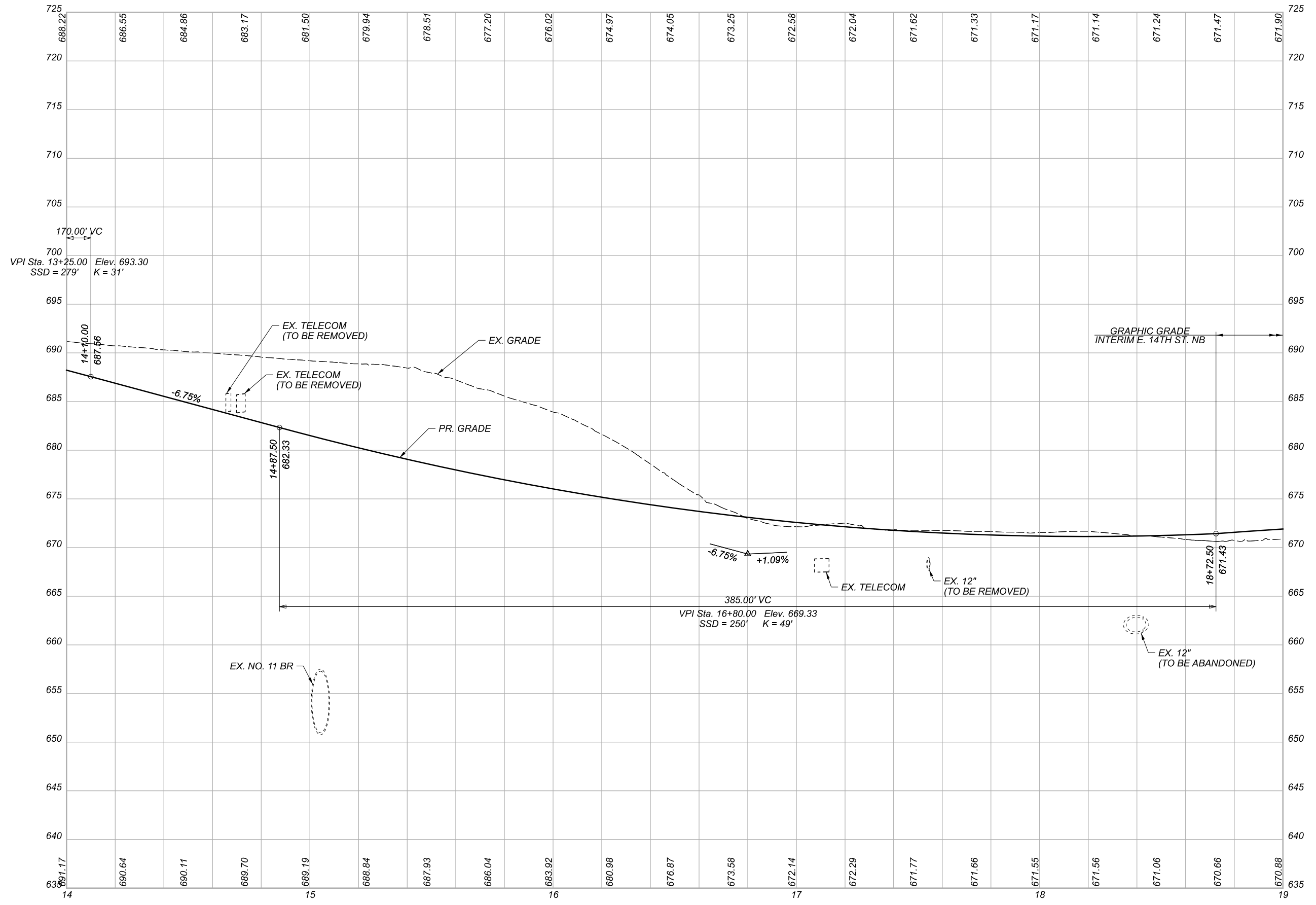


**CURVE PRIH4-01**  
 CURVE DATA  
 P.I. = Sta. 15+38.01  
 $\Delta = 80^{\circ}19'38''$  RT  
 $D_c = 10^{\circ}30'00''$  (NDC =  $9^{\circ}00'00''$ )  
 $R = 545.67'$  (NDC = 637.00')  
 $T = 460.54'$   
 $L = 765.02'$   
 $E = 168.37'$   
 $e_{max} = 0.054$   
 $V = 35$  mph



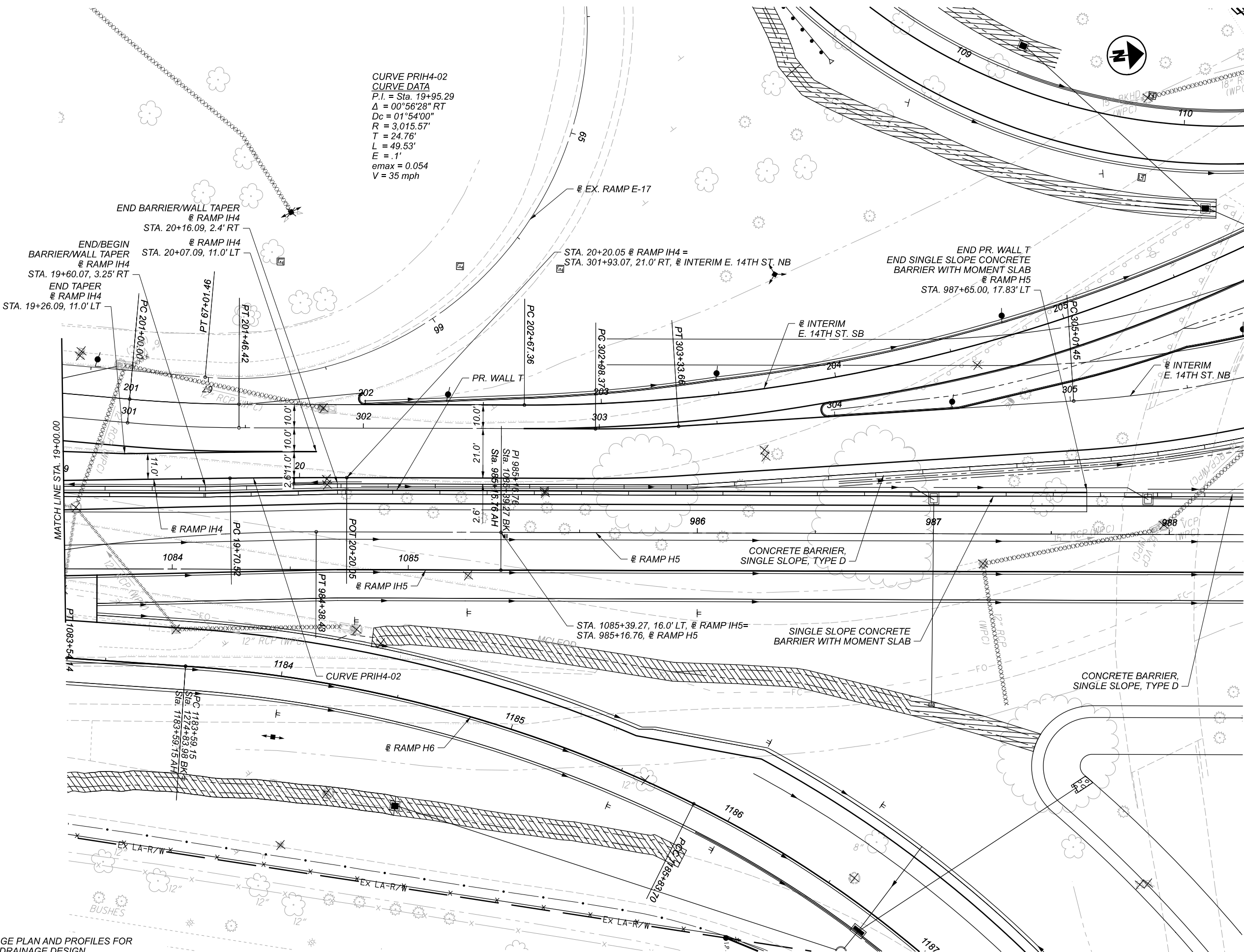
**PLAN - RAMP IH4**  
 STA. 14+00.00 TO STA. 19+00.00

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	426
TOTAL	2339

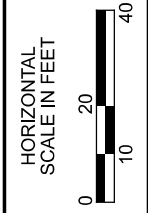
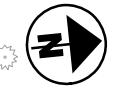


PROFILE - RAMP IH4  
 STA. 14+00.00 TO STA. 19+00.00

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	427
TOTAL	2339



CURVE PRIH4-02  
 CURVE DATA  
 P.I. = Sta. 19+95.29  
 $\Delta = 00^{\circ}56'28''$  RT  
 $D_c = 01^{\circ}54'00''$   
 $R = 3,015.57'$   
 $T = 24.76'$   
 $L = 49.53'$   
 $E = .1'$   
 $e_{max} = 0.054$   
 $V = 35$  mph



PLAN - RAMP IH4  
 STA. 19+00.00 TO END

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY

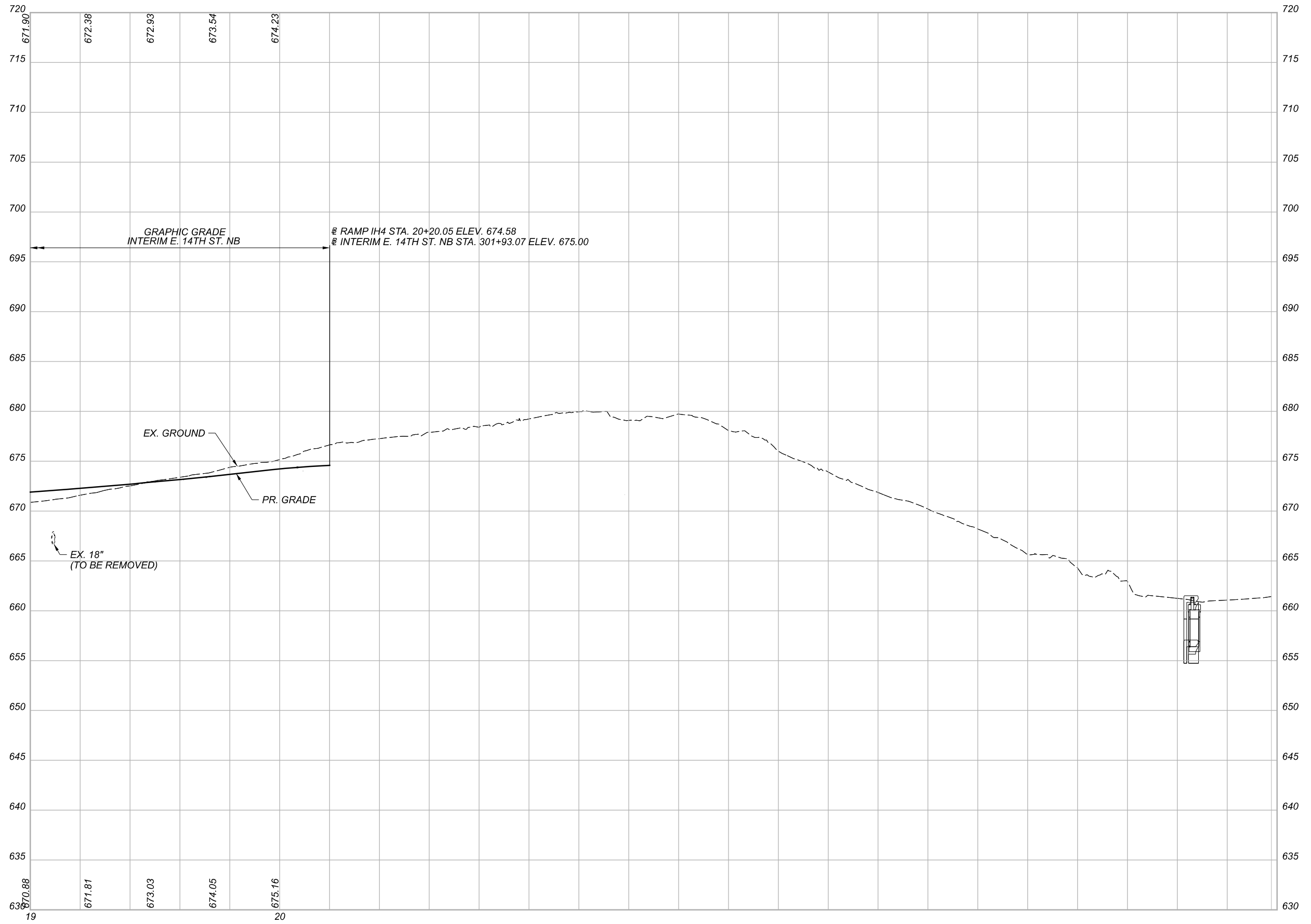
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
428	2339



PROFILE - RAMP IH4  
 STA. 19+00.00 TO END

DESIGN AGENCY

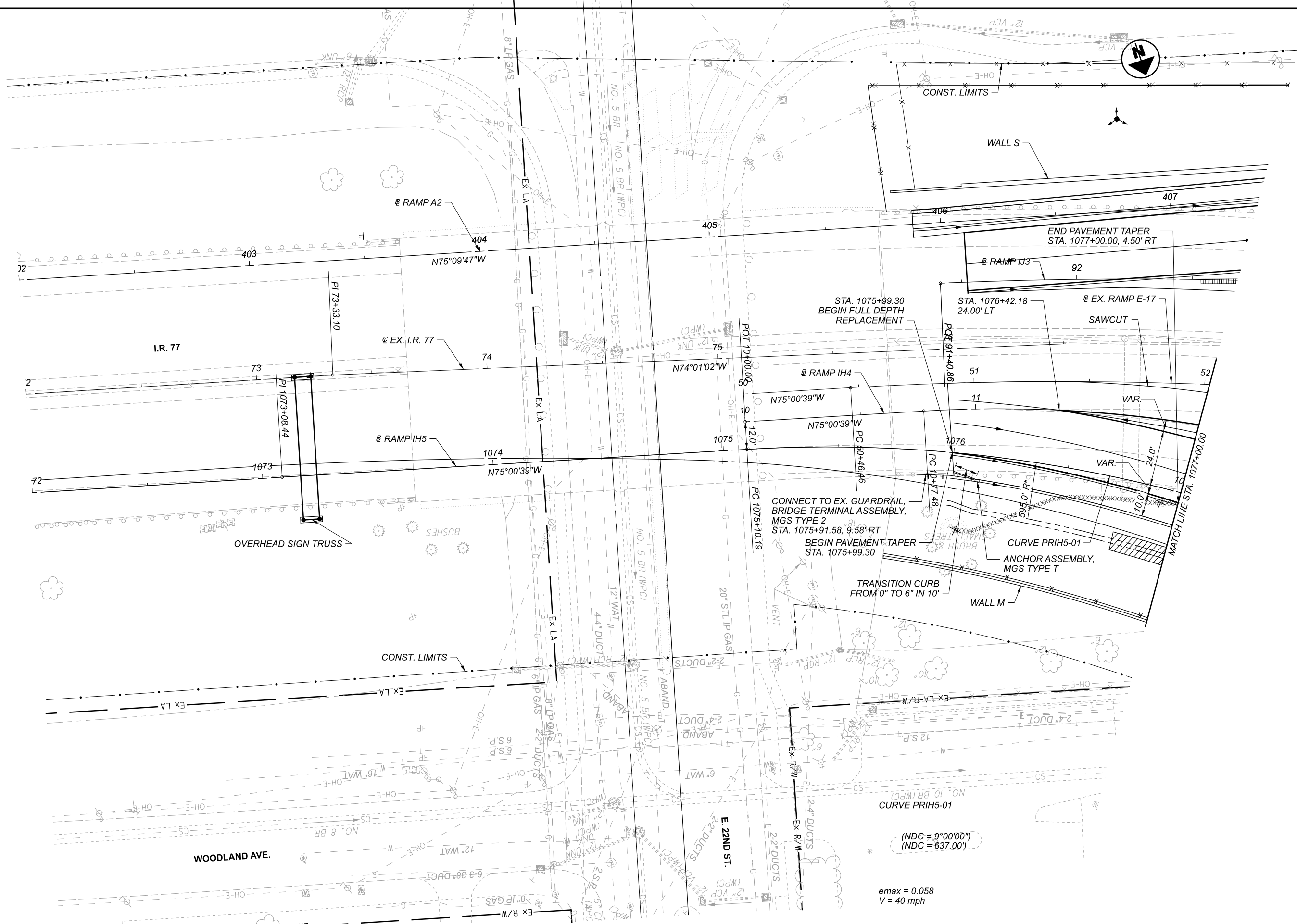
**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
429	2339



**PLAN - RAMP IH5**  
**BEGIN TO STA. 1077+00.00**

**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

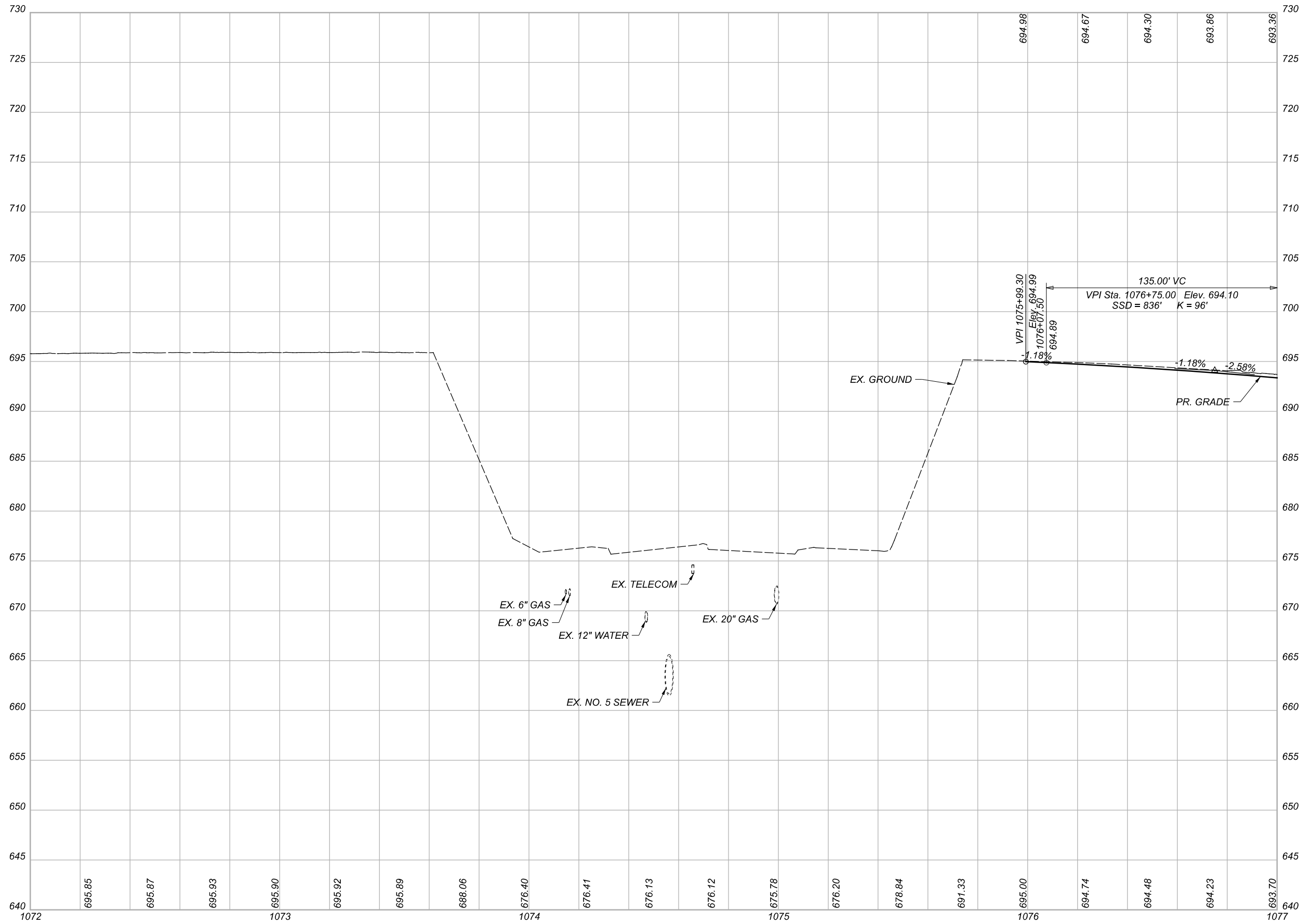
PROJECT ID  
 82382

SHEET	TOTAL
430	2339

(NDC = 9°00'00" (MPC))  
 (NDC = 637.00')

emax = 0.058  
 V = 40 mph





PROFILE - RAMP IH5  
 BEGIN TO STA. 1077+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

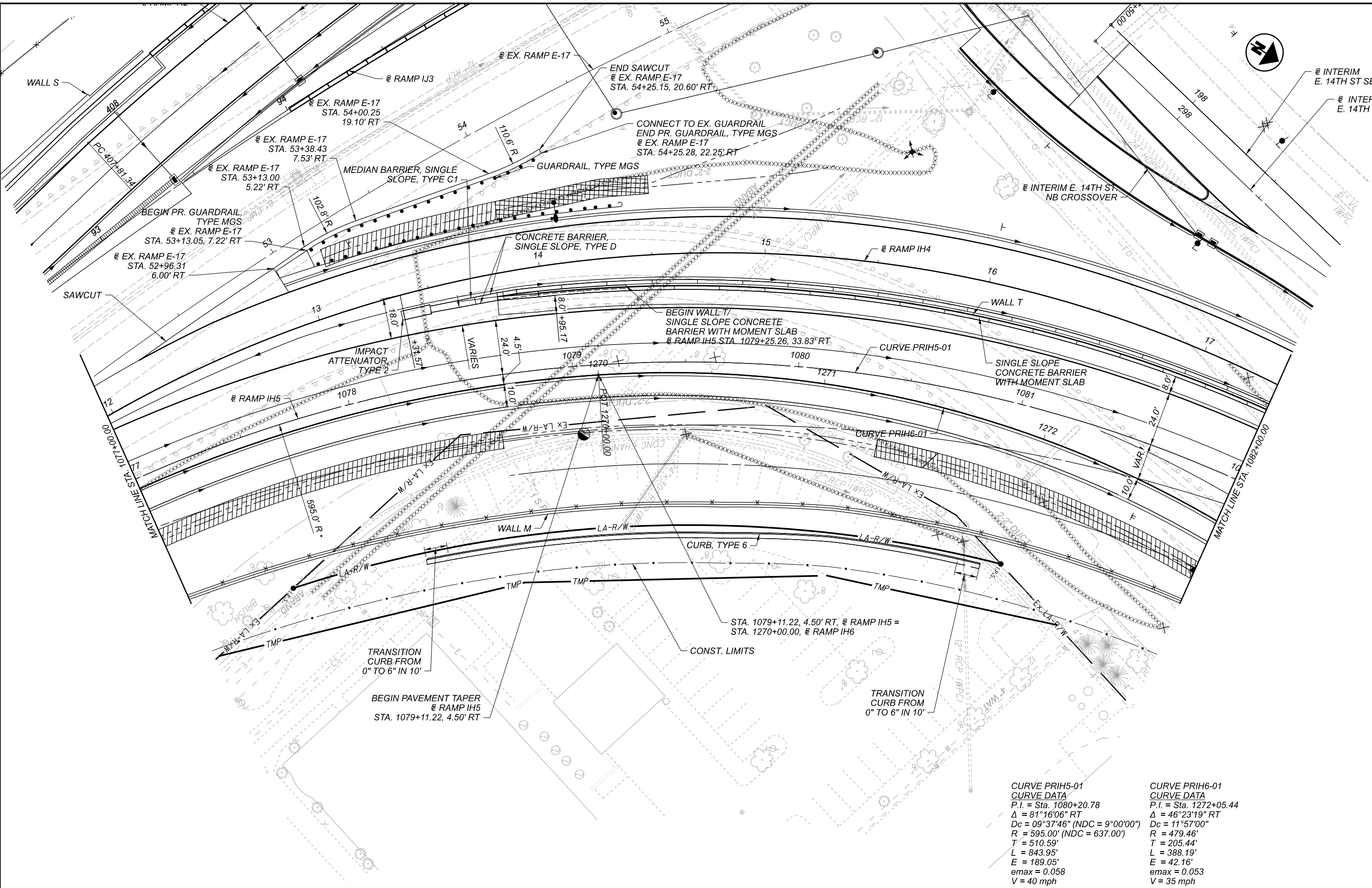
REVIEWER

PROJECT ID

82382

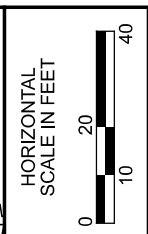
SHEET TOTAL

431 2339



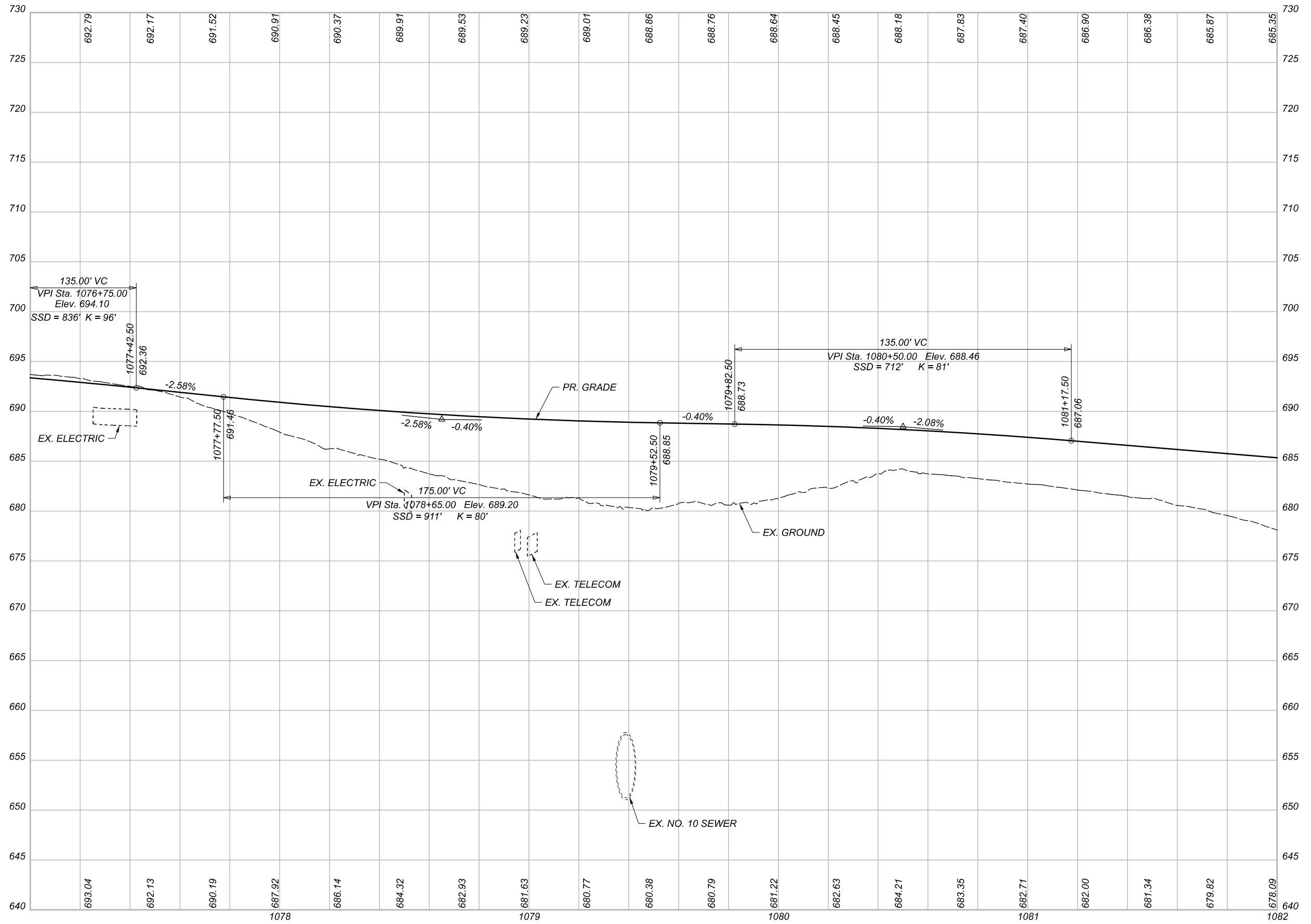
- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

<p><b>CURVE PRIH5-01</b>  <b>CURVE DATA</b>                  P.I. = Sta. 1080+20.78  <math>\Delta = 81^{\circ}16'06''</math> RT  <math>D_c = 09^{\circ}37'46''</math> (NDC = <math>9^{\circ}00'00''</math>)  <math>R = 595.00'</math> (NDC = 637.00')  <math>T = 510.59'</math>  <math>L = 843.95'</math>  <math>E = 189.05'</math>  <math>e_{max} = 0.058</math>  <math>V = 40</math> mph</p>	<p><b>CURVE PRIH6-01</b>  <b>CURVE DATA</b>                  P.I. = Sta. 1272+05.44  <math>\Delta = 46^{\circ}23'19''</math> RT  <math>D_c = 11^{\circ}57'00''</math>  <math>R = 479.46'</math>  <math>T = 205.44'</math>  <math>L = 388.19'</math>  <math>E = 42.16'</math>  <math>e_{max} = 0.053</math>  <math>V = 35</math> mph</p>
--	---



**PLAN - RAMP IH5**  
**STA. 1077+00.00 TO 1082+00.00**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	432
TOTAL	2339



PROFILE - RAMP IH5  
 STA. 1077+00.00 TO STA. 1082+00.00

DESIGN AGENCY

Michael Baker  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

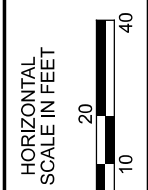
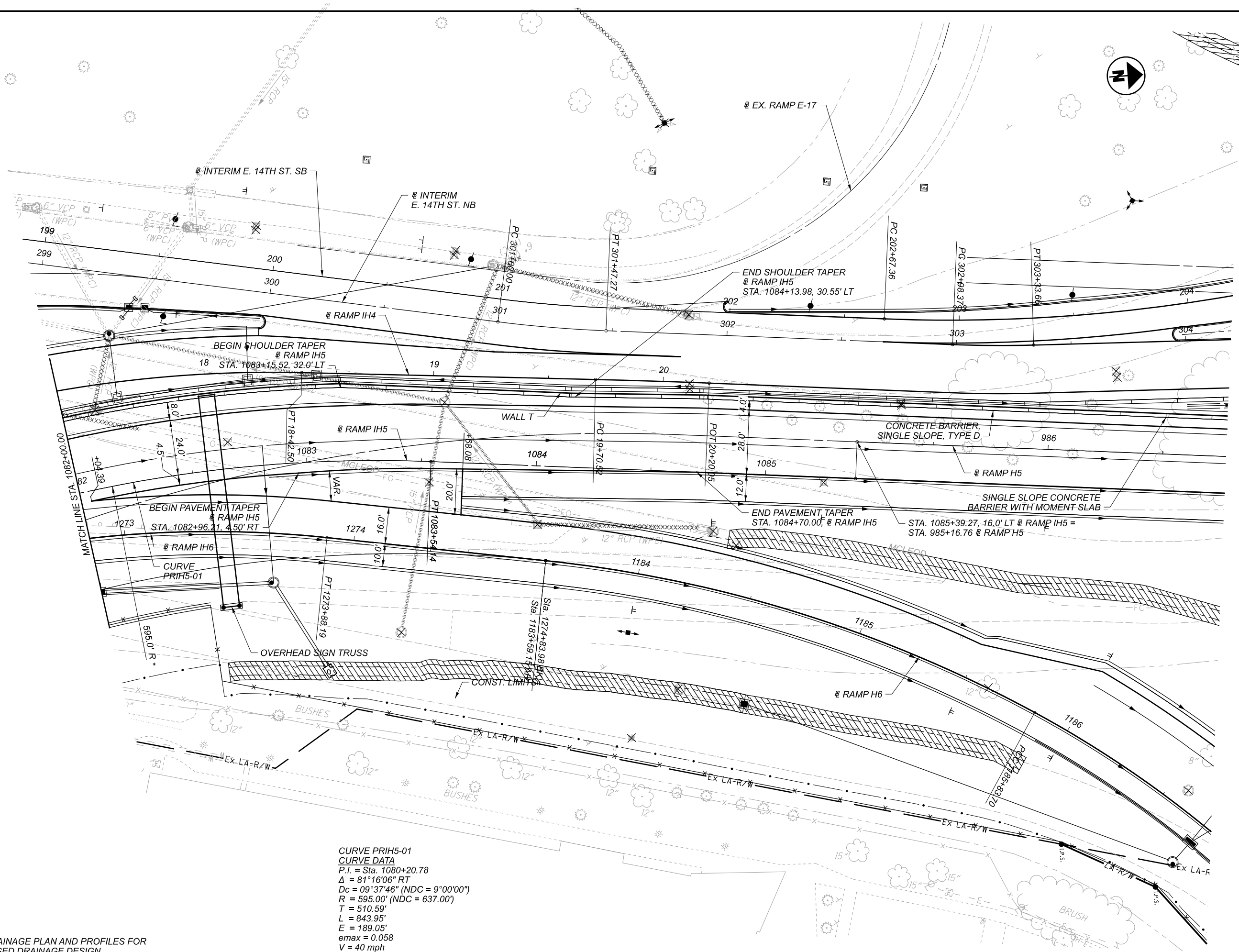
SHEET TOTAL

433 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

CURVE PRIH5-01  
 CURVE DATA  
 P.I. = Sta. 1080+20.78  
 $\Delta = 81^{\circ}16'06''$  RT  
 $D_c = 09^{\circ}37'46''$  (NDC =  $9^{\circ}00'00''$ )  
 $R = 595.00'$  (NDC =  $637.00'$ )  
 $T = 510.59'$   
 $L = 843.95'$   
 $E = 189.05'$   
 $e_{max} = 0.058$   
 $V = 40$  mph

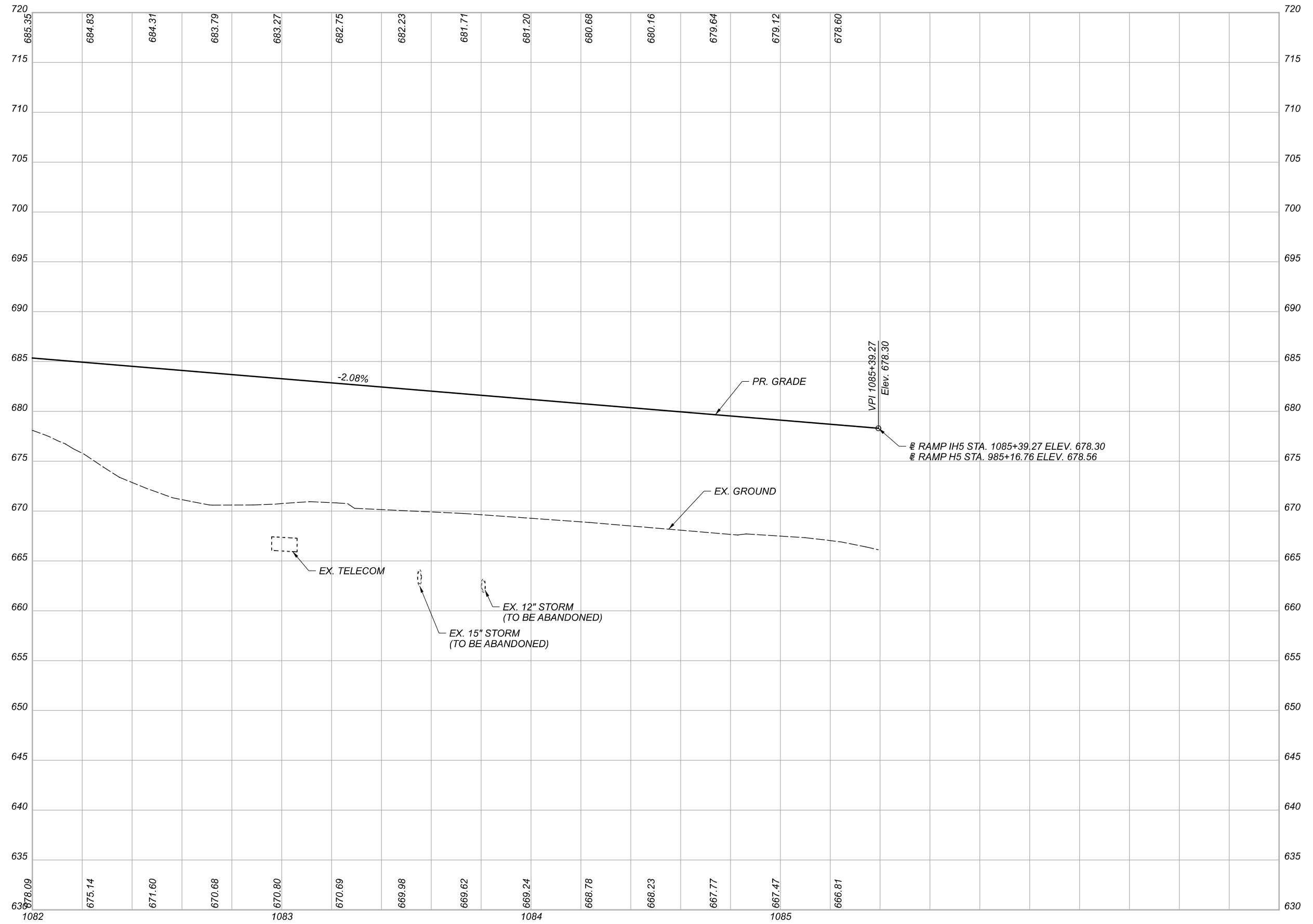


PLAN - RAMP IH5  
 STA. 1082+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	434
TOTAL	2339

**CUY-90-16.28 (CCG3A)**

MODEL: 82382.GF503 PAPER SIZE: ITXII (in.) DATE: 6/22/2022 TIME: 9:28:47 PM USER: Kevin.McNutt  
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**PROFILE - RAMP IH5  
 STA. 1082+00.00 TO END**

DESIGN AGENCY

**Michael Baker  
 INTERNATIONAL**

DESIGNER

REVIEWER

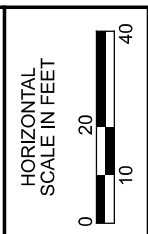
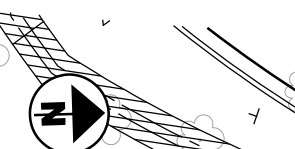
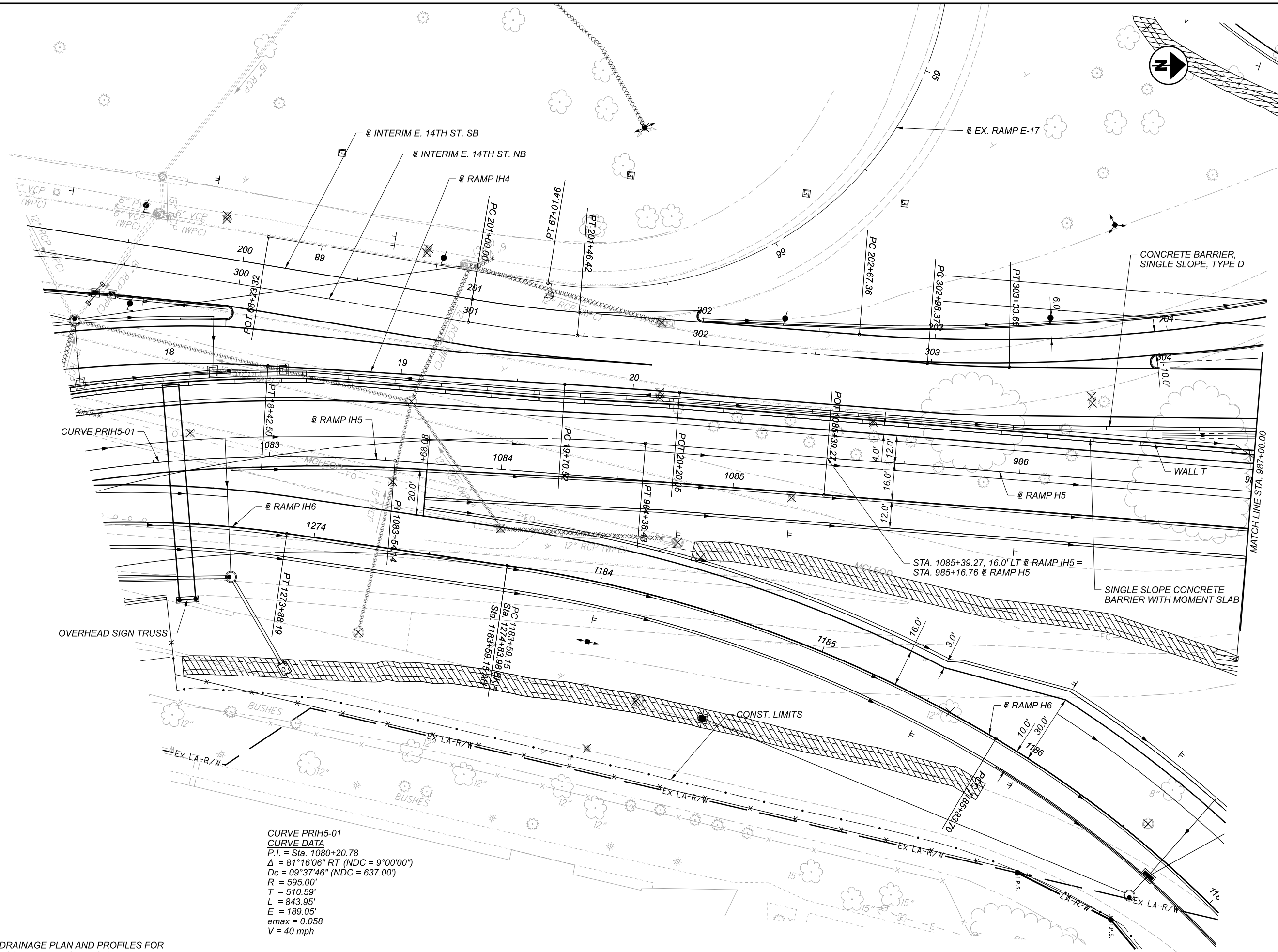
PROJECT ID  
 82382

SHEET	TOTAL
435	2339

NOTES

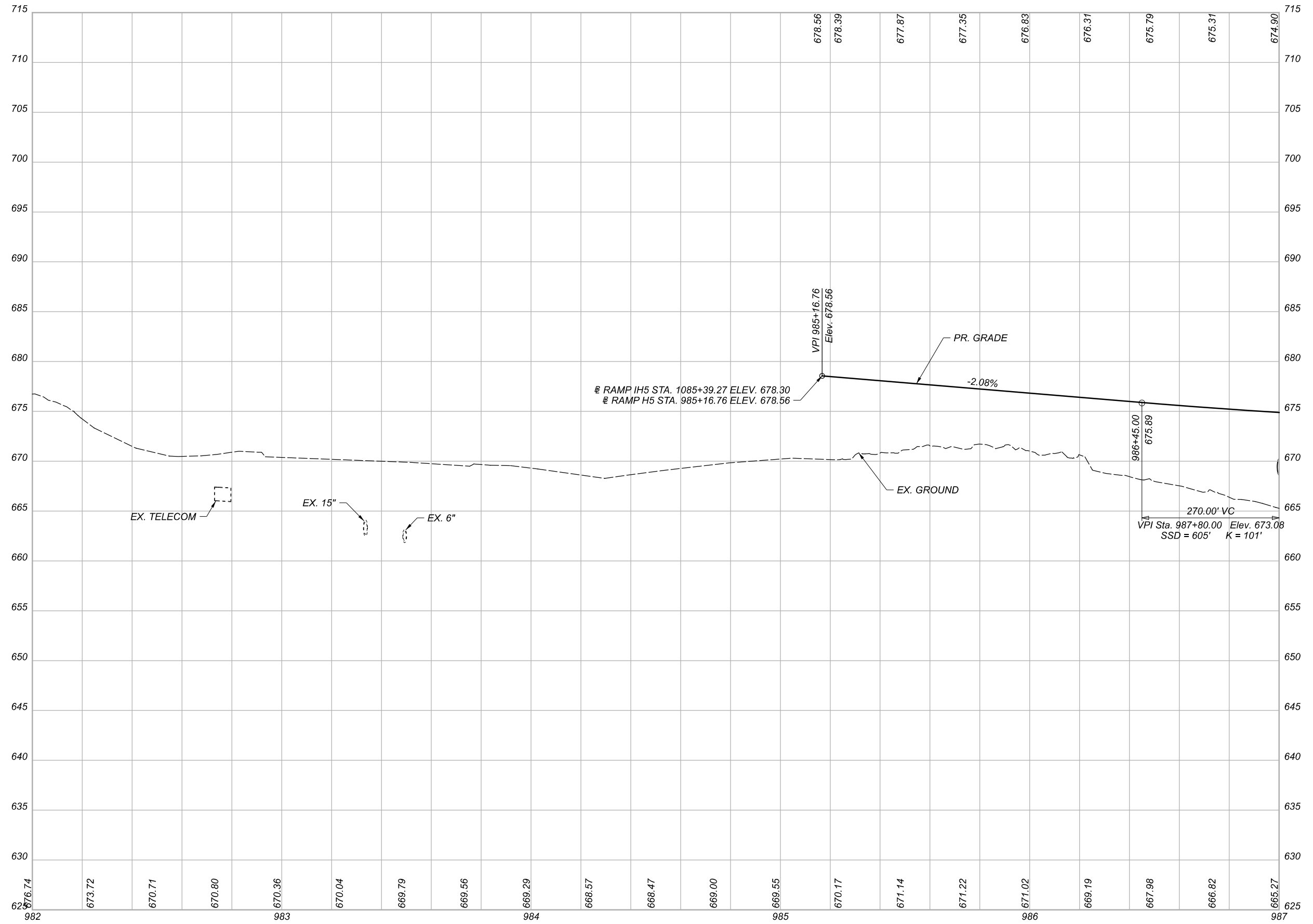
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

CURVE PRIH5-01  
 CURVE DATA  
 P.I. = Sta. 1080+20.78  
 $\Delta = 81^{\circ}16'06''$  RT (NDC =  $9^{\circ}00'00''$ )  
 $D_c = 09^{\circ}37'46''$  (NDC = 637.00')  
 R = 595.00'  
 T = 510.59'  
 L = 843.95'  
 E = 189.05'  
 $e_{max} = 0.058$   
 V = 40 mph



PLAN - RAMP H5  
 BEGIN TO STA. 987+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	436
TOTAL	2339

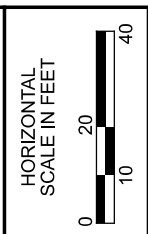
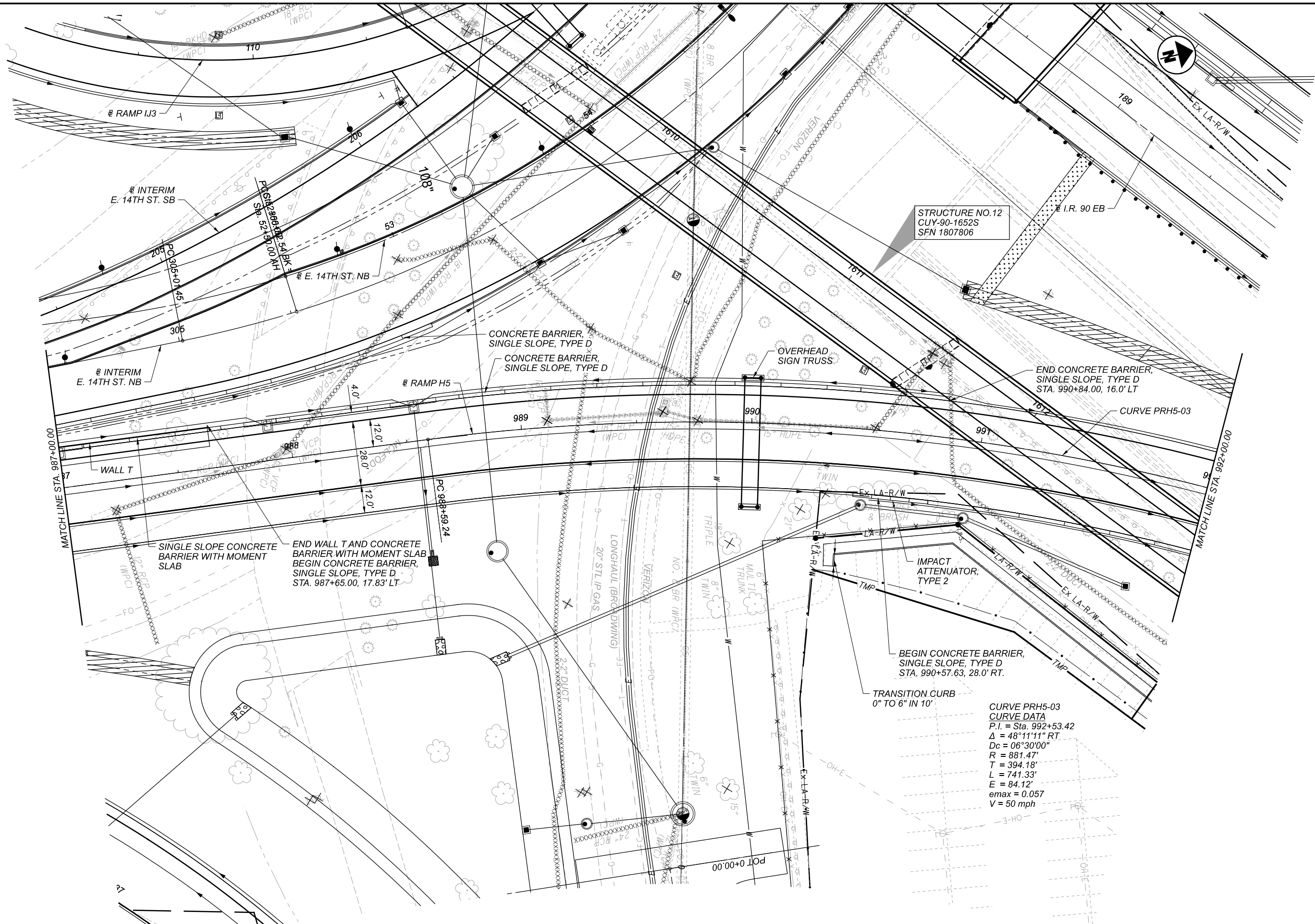


PROFILE - RAMP H5  
 BEGIN TO STA. 987+00.00

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	437
TOTAL	2339

NOTES

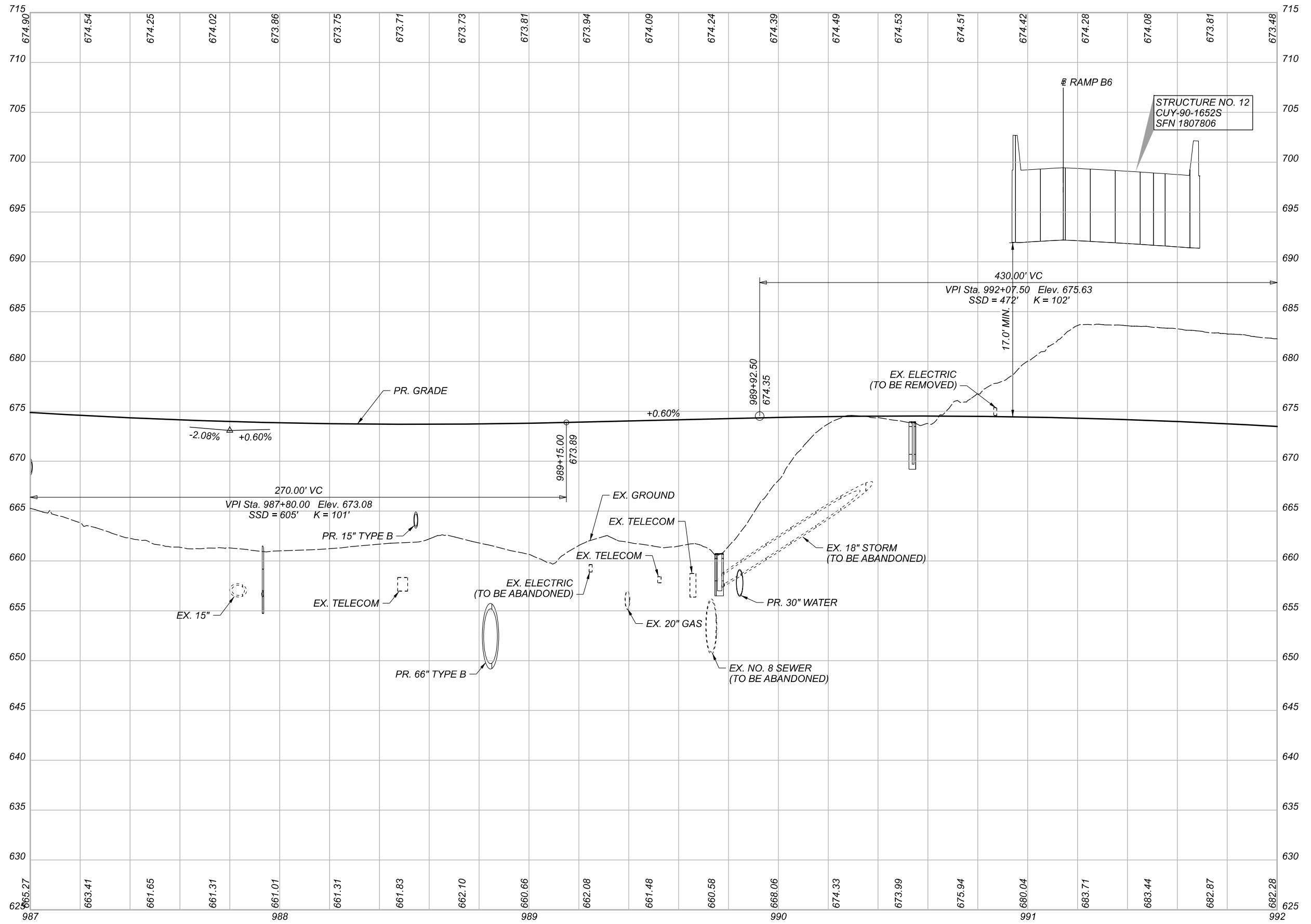
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - RAMP H5  
 STA. 987+00.00 TO STA. 992+00.00

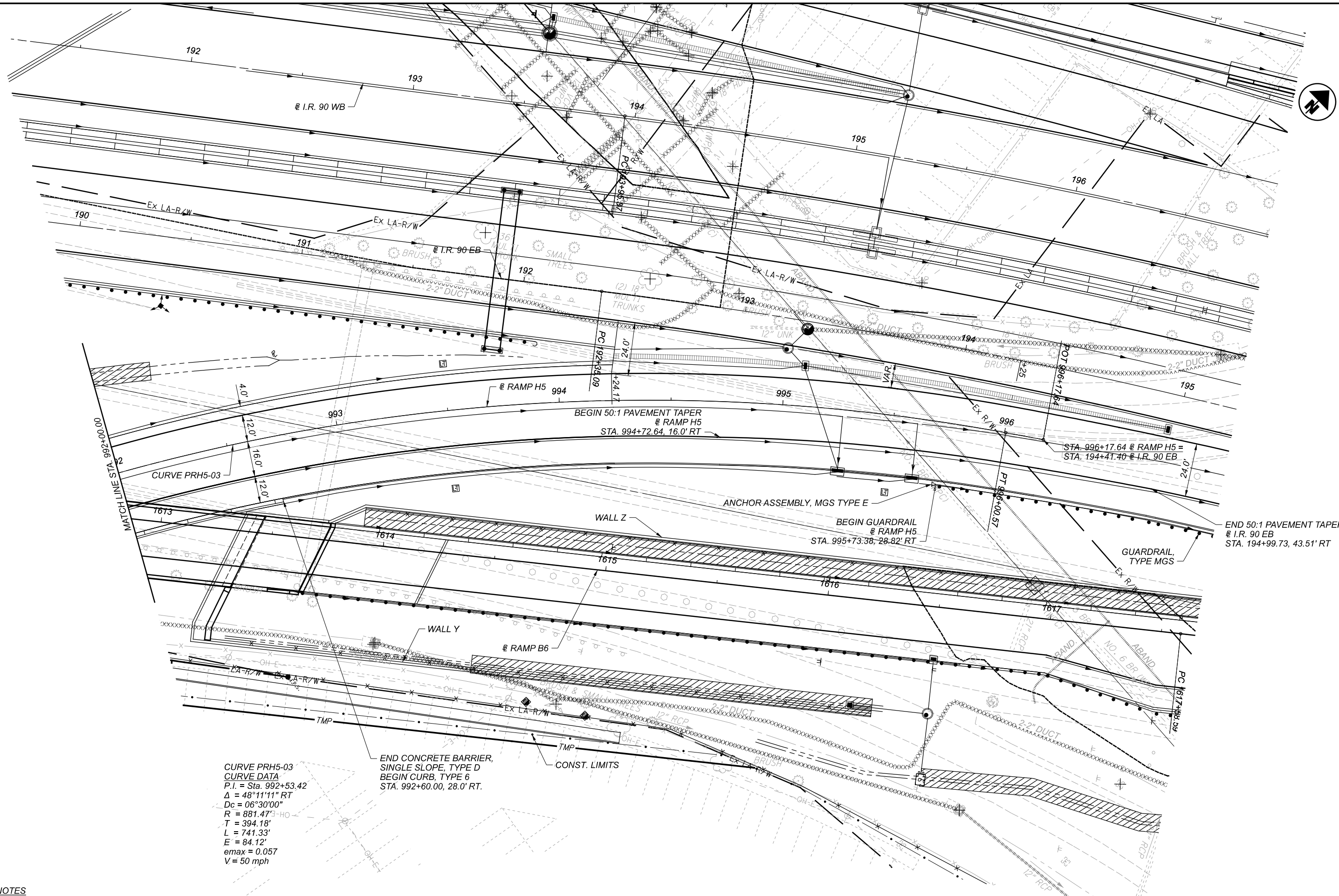
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	438
TOTAL	2339





DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	439
TOTAL	2339

PROFILE - RAMP H5  
 STA. 987+00.00 TO STA. 992+00.00



**CURVE PRH5-03  
 CURVE DATA**  
 P.I. = Sta. 992+53.42  
 $\Delta = 48^{\circ}11'11''$  RT  
 $D_c = 06^{\circ}30'00''$   
 $R = 881.47'$   
 $T = 394.18'$   
 $L = 741.33'$   
 $E = 84.12'$   
 $e_{max} = 0.057$   
 $V = 50$  mph

**END CONCRETE BARRIER,  
 SINGLE SLOPE, TYPE D  
 BEGIN CURB, TYPE 6**  
 STA. 992+60.00, 28.0' RT.

CONST. LIMITS

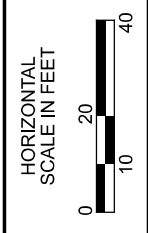
**BEGIN 50:1 PAVEMENT TAPER  
 @ RAMP H5**  
 STA. 994+72.64, 16.0' RT

**BEGIN GUARDRAIL  
 @ RAMP H5**  
 STA. 995+73.38, 28.82' RT

**END 50:1 PAVEMENT TAPER  
 @ I.R. 90 EB**  
 STA. 194+99.73, 43.51' RT

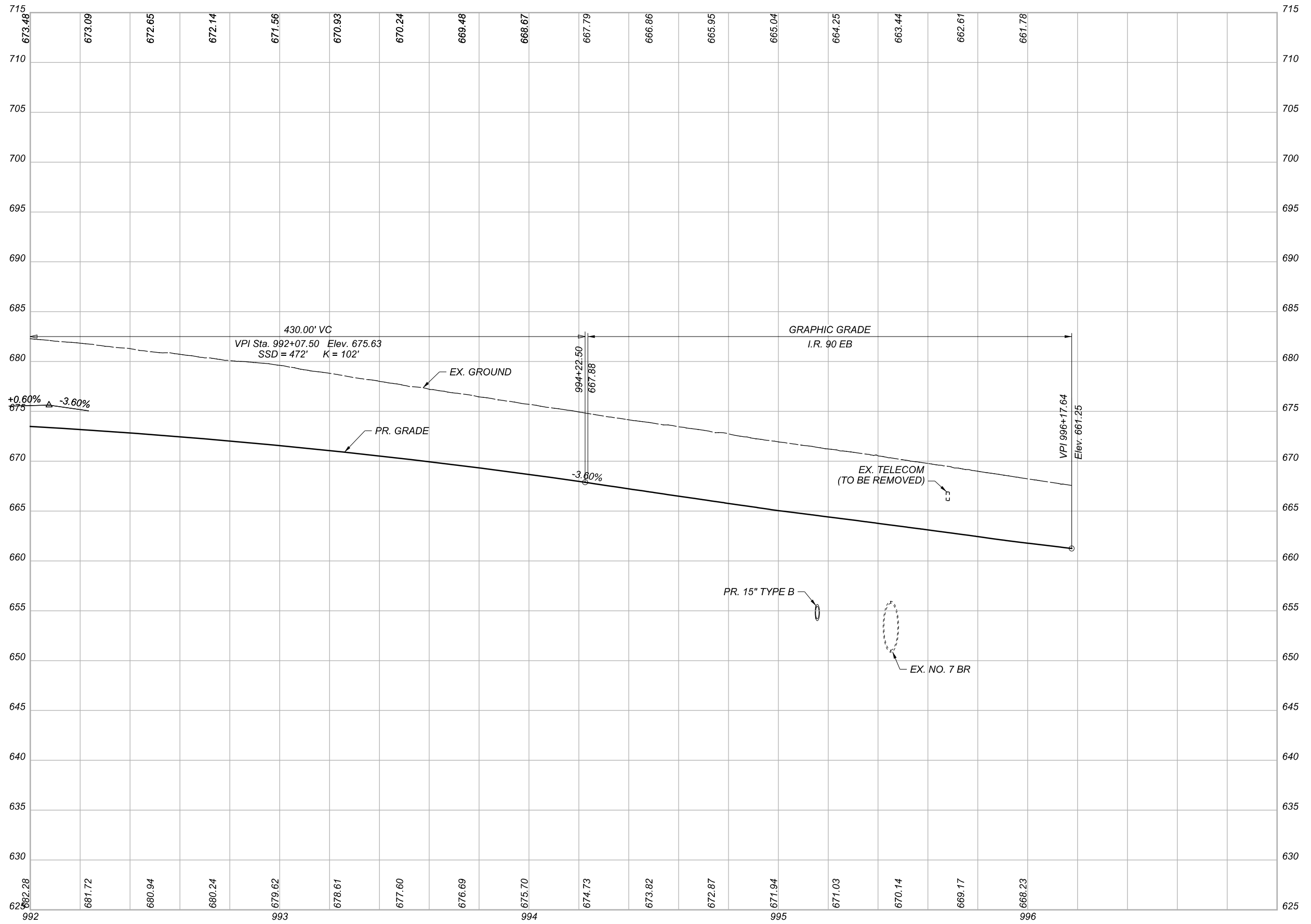
STA. 996+17.64 @ RAMP H5 =  
 STA. 194+41.40 @ I.R. 90 EB

- NOTES**
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - RAMP H5**  
 STA. 992+00.00 TO END

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	440
TOTAL	2339

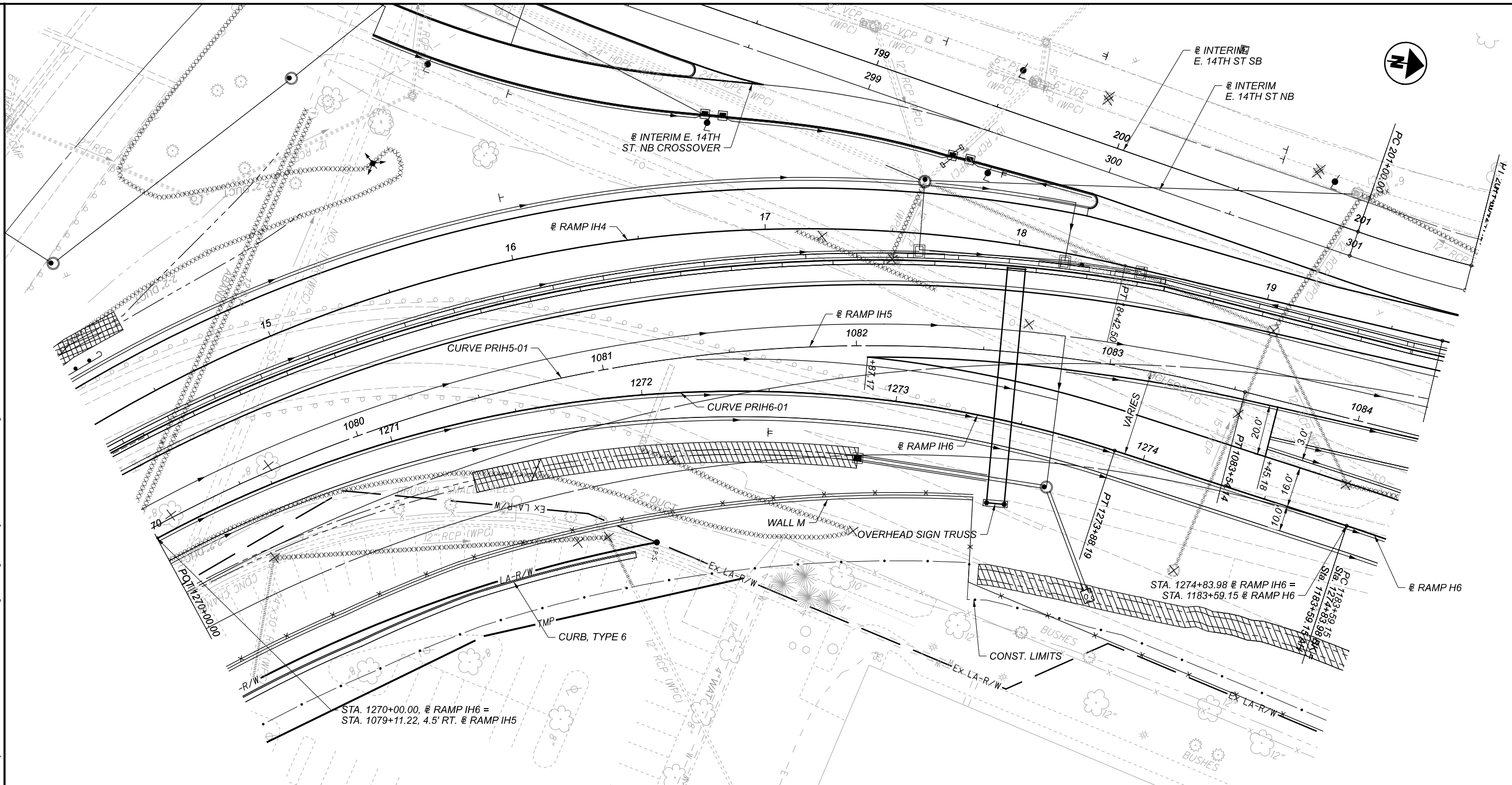


DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	441
TOTAL	2339

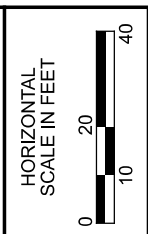
PROFILE - RAMP H5  
 STA. 992+00.00 TO END

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

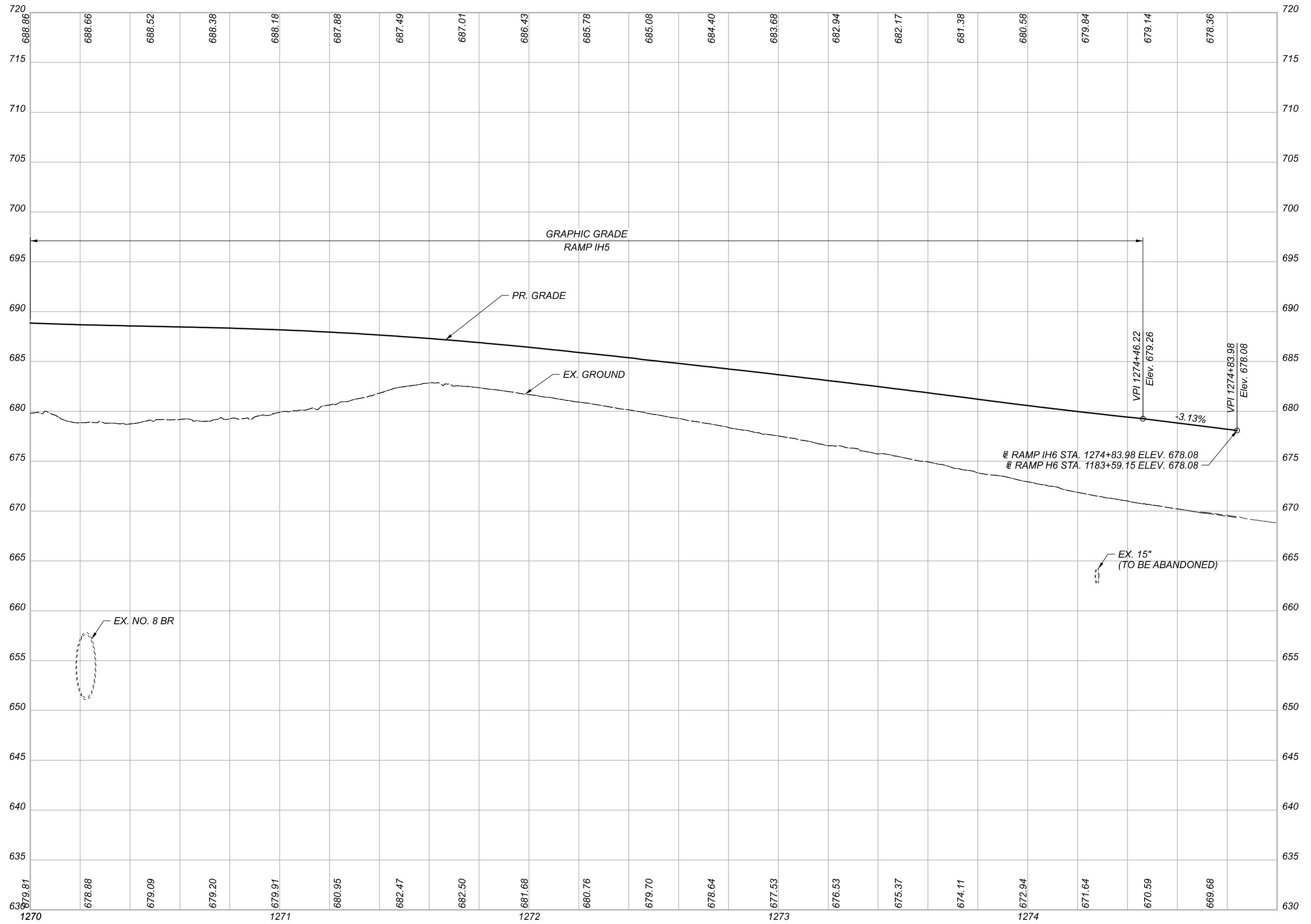


<p><b>CURVE PRIH5-01</b>  <b>CURVE DATA</b>                  P.I. = Sta. 1080+20.78  <math>\Delta = 81^{\circ}16'06''</math> RT                  Dc = 09°37'46"                  R = 595.00'                  T = 510.59'                  L = 843.95'                  E = 189.05'                  e<sub>max</sub> = 0.058                  V = 40 mph</p>	<p><b>CURVE PRIH6-01</b>  <b>CURVE DATA</b>                  P.I. = Sta. 1272+05.44  <math>\Delta = 46^{\circ}23'19''</math> RT                  Dc = 11°57'00"                  R = 479.46'                  T = 205.44'                  L = 388.19'                  E = 42.16'                  e<sub>max</sub> = 0.053                  V = 35 mph</p>
--	---



PLAN - RAMP IH6  
 STA. 1270+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	442
TOTAL	2339



PROFILE - RAMP IH6  
 STA. 1270+00.00 TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

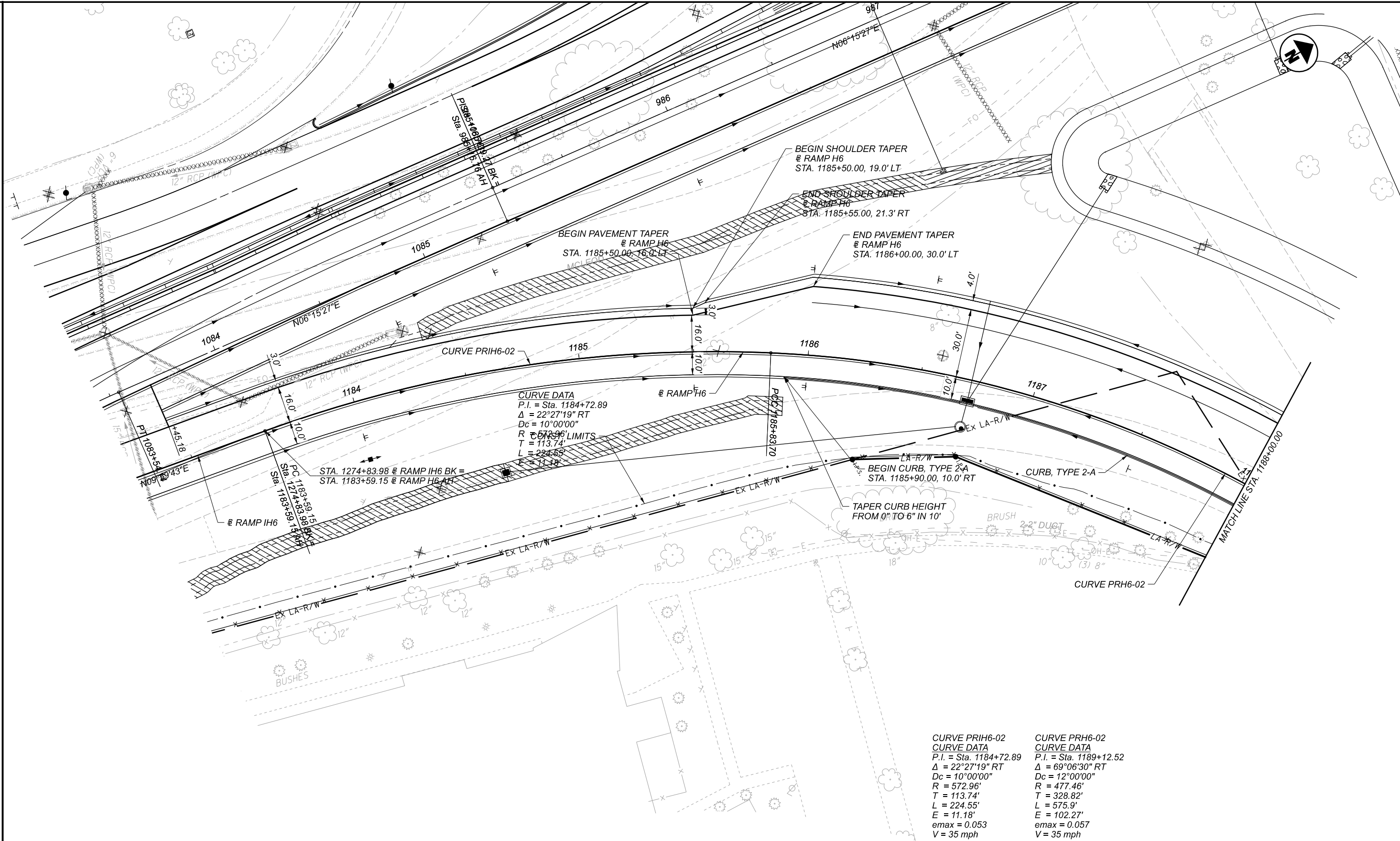
82382

SHEET TOTAL

443 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**CURVE DATA**  
 P.I. = Sta. 1184+72.89  
 $\Delta = 22^\circ 27' 19''$  RT  
 $D_c = 10^\circ 00' 00''$   
 $R = 572.96'$   
 $T = 113.74'$   
 $L = 224.55'$   
 $E = 11.18'$

**CURVE PRIH6-02**  
**CURVE DATA**  
 P.I. = Sta. 1184+72.89  
 $\Delta = 22^\circ 27' 19''$  RT  
 $D_c = 10^\circ 00' 00''$   
 $R = 572.96'$   
 $T = 113.74'$   
 $L = 224.55'$   
 $E = 11.18'$   
 $e_{max} = 0.053$   
 $V = 35$  mph

**CURVE PRH6-02**  
**CURVE DATA**  
 P.I. = Sta. 1189+12.52  
 $\Delta = 69^\circ 06' 30''$  RT  
 $D_c = 12^\circ 00' 00''$   
 $R = 477.46'$   
 $T = 328.82'$   
 $L = 575.9'$   
 $E = 102.27'$   
 $e_{max} = 0.057$   
 $V = 35$  mph



PLAN - RAMP H6  
 BEGIN TO STA. 1188+00.00

DESIGN AGENCY

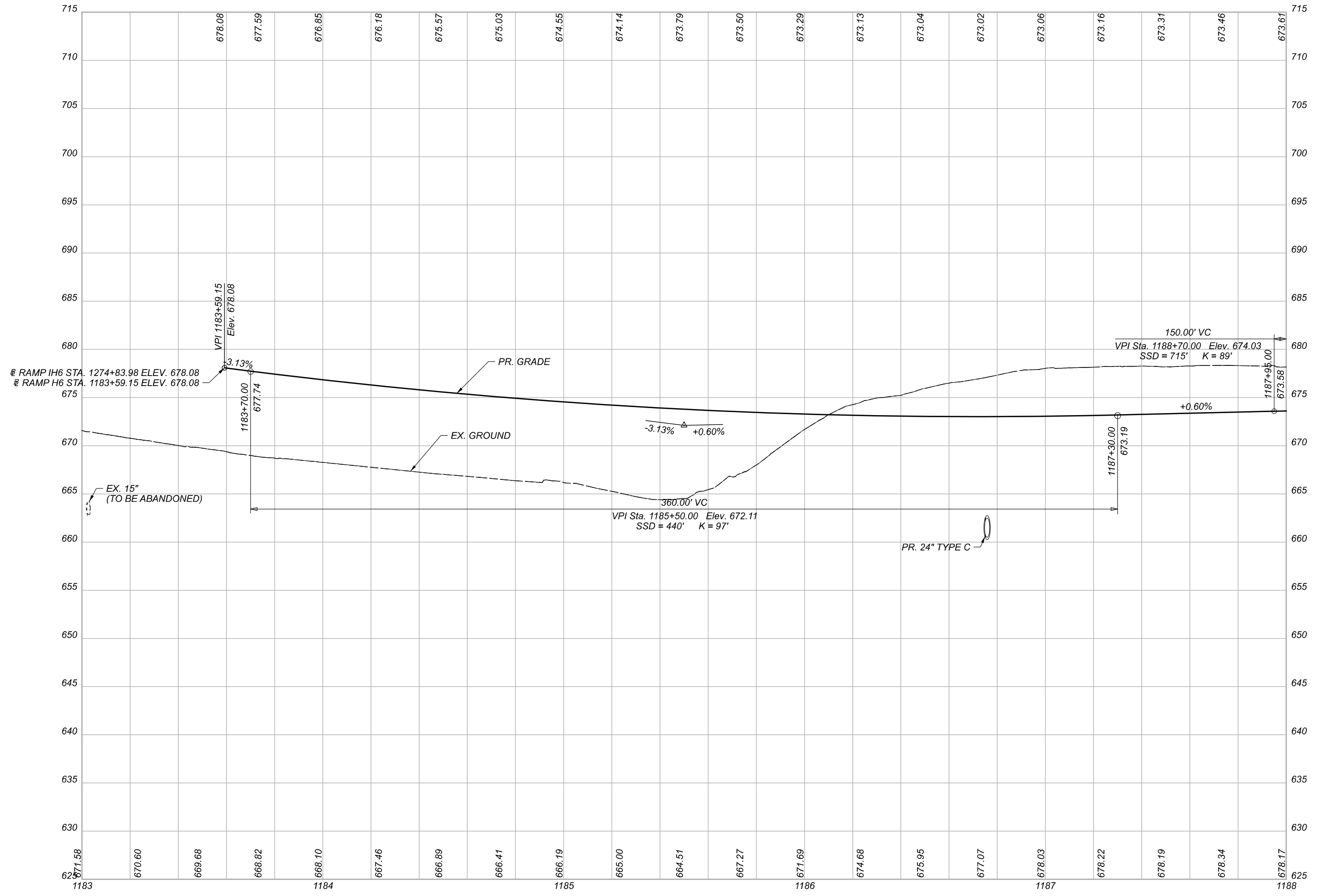
Michael Baker  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET TOTAL  
 444 2339

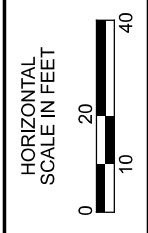
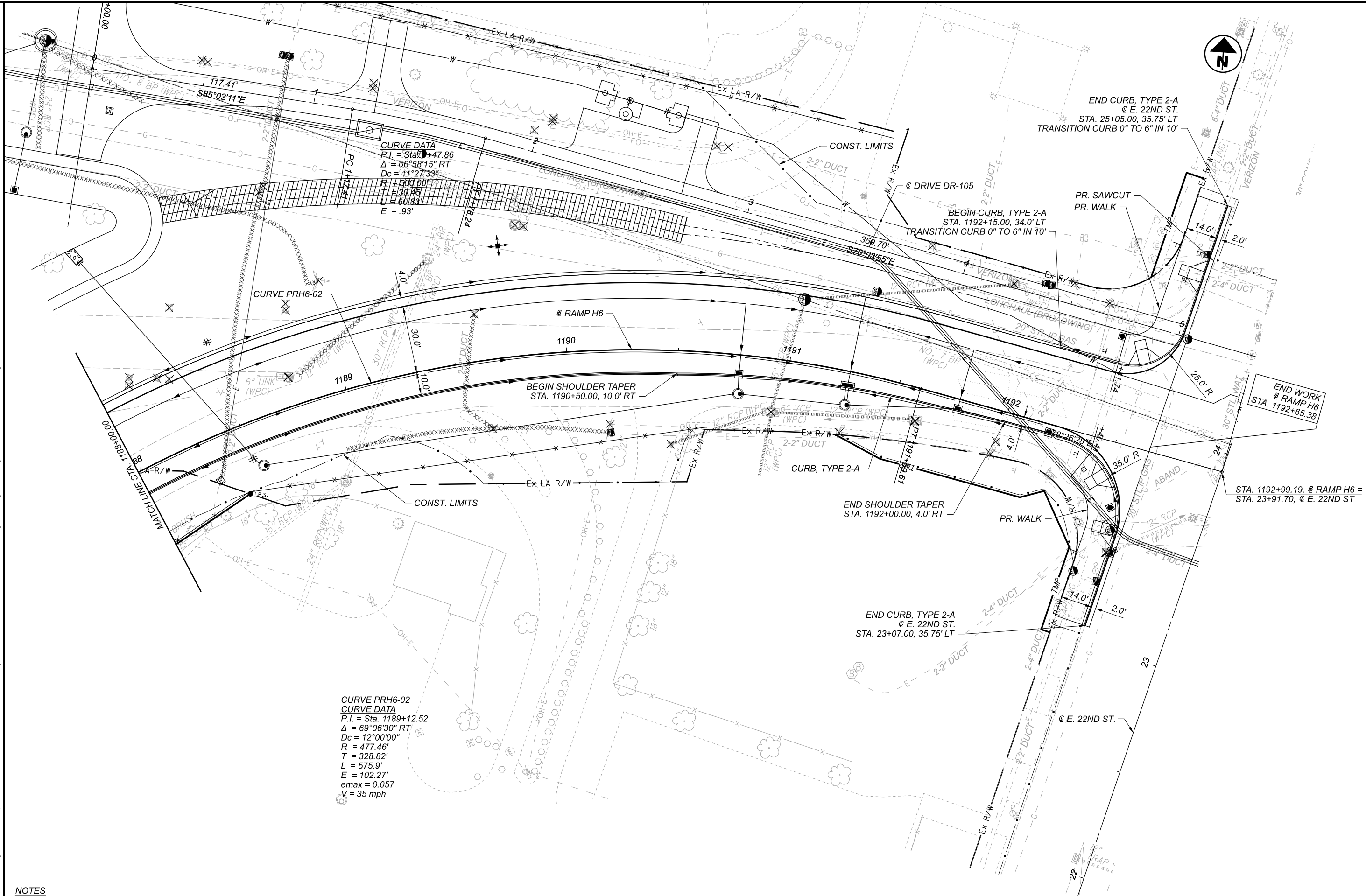


PROFILE - RAMP H6  
 BEGIN TO STA. 1188+00.00

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	445
TOTAL	2339

NOTES

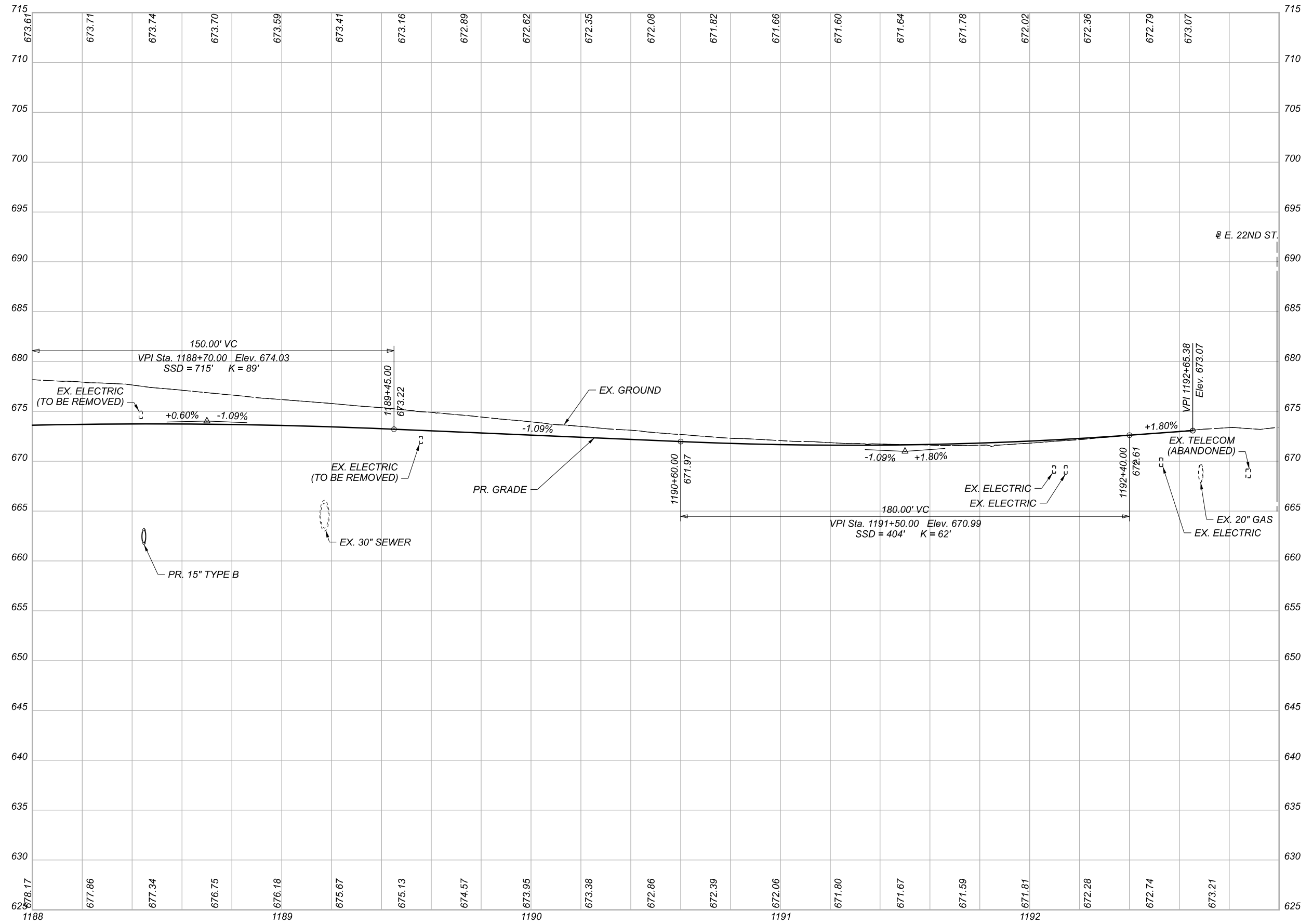
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - RAMP H6  
 STA. 1188+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	446
TOTAL	2339





PROFILE - RAMP H6  
 STA. 1188+00.00 TO END

DESIGN AGENCY

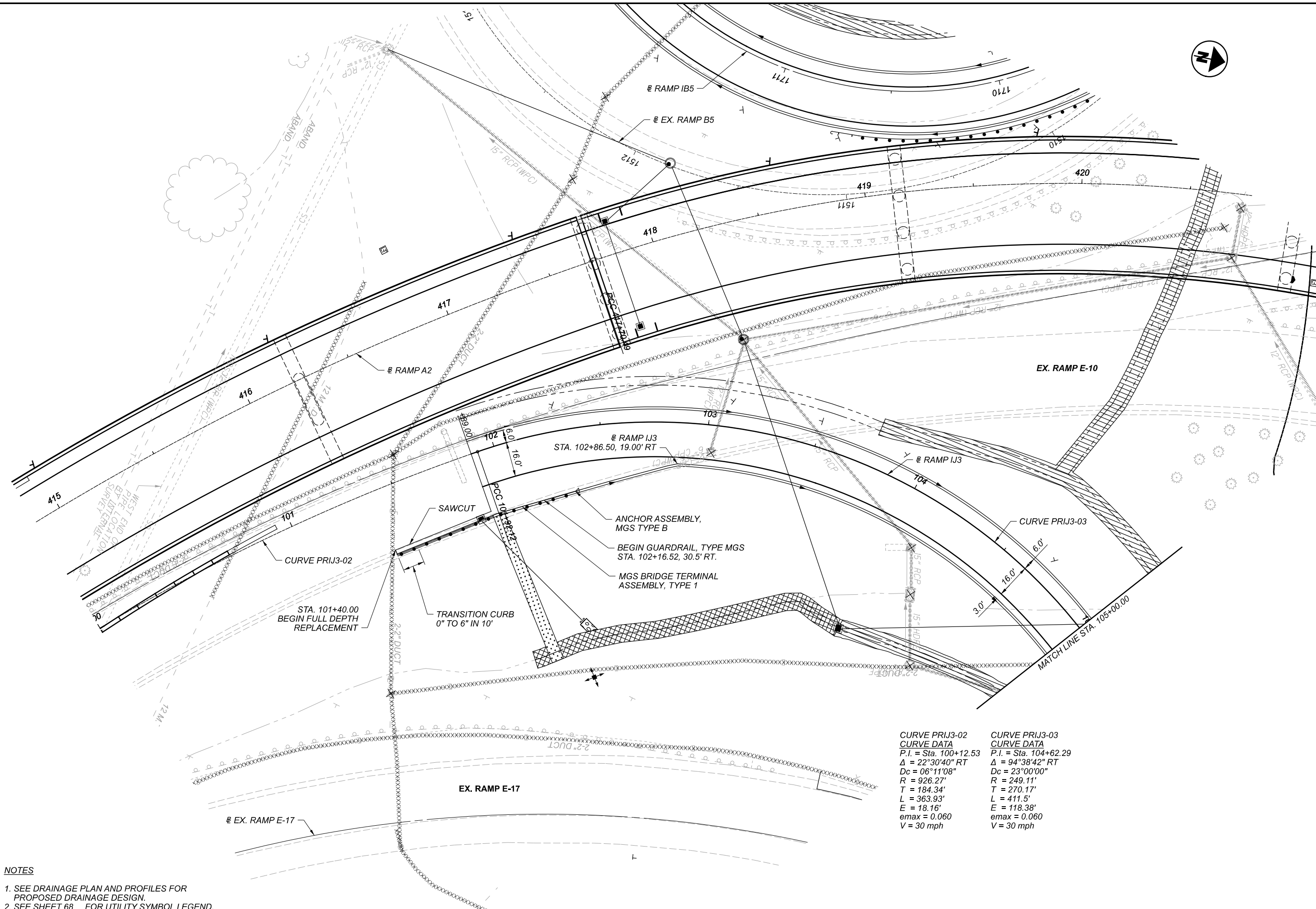
**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

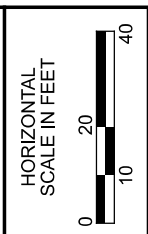
SHEET	TOTAL
447	2339



CURVE PRIJ3-02 CURVE DATA	CURVE PRIJ3-03 CURVE DATA
P.I. = Sta. 100+12.53	P.I. = Sta. 104+62.29
$\Delta = 22^{\circ}30'40''$ RT	$\Delta = 94^{\circ}38'42''$ RT
$D_c = 06^{\circ}11'08''$	$D_c = 23^{\circ}00'00''$
$R = 926.27'$	$R = 249.11'$
$T = 184.34'$	$T = 270.17'$
$L = 363.93'$	$L = 411.5'$
$E = 18.16'$	$E = 118.38'$
$e_{max} = 0.060$	$e_{max} = 0.060$
$V = 30$ mph	$V = 30$ mph

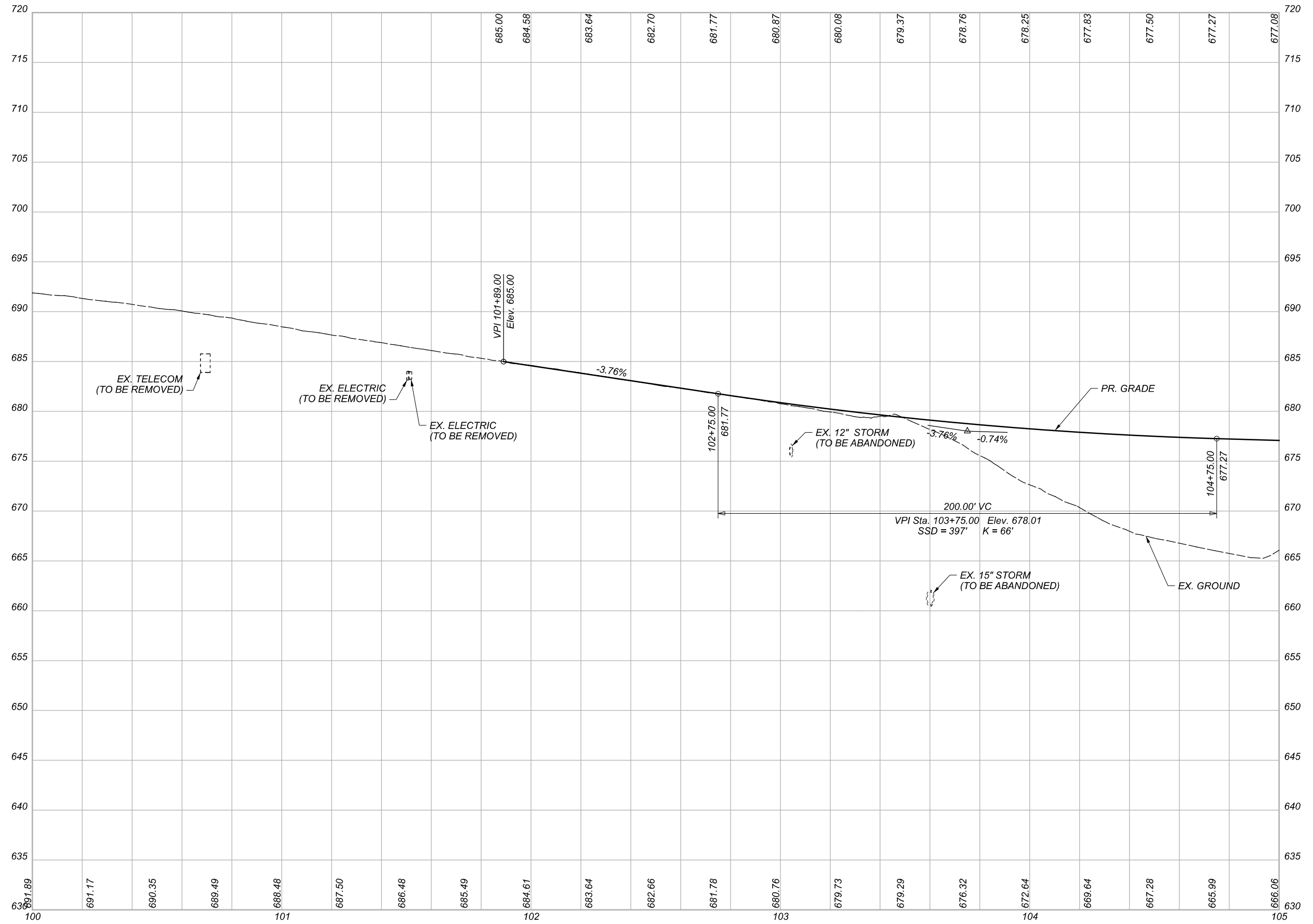
**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - RAMP IJ3  
BEGIN TO STA. 105+00.00**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	448
TOTAL	2339

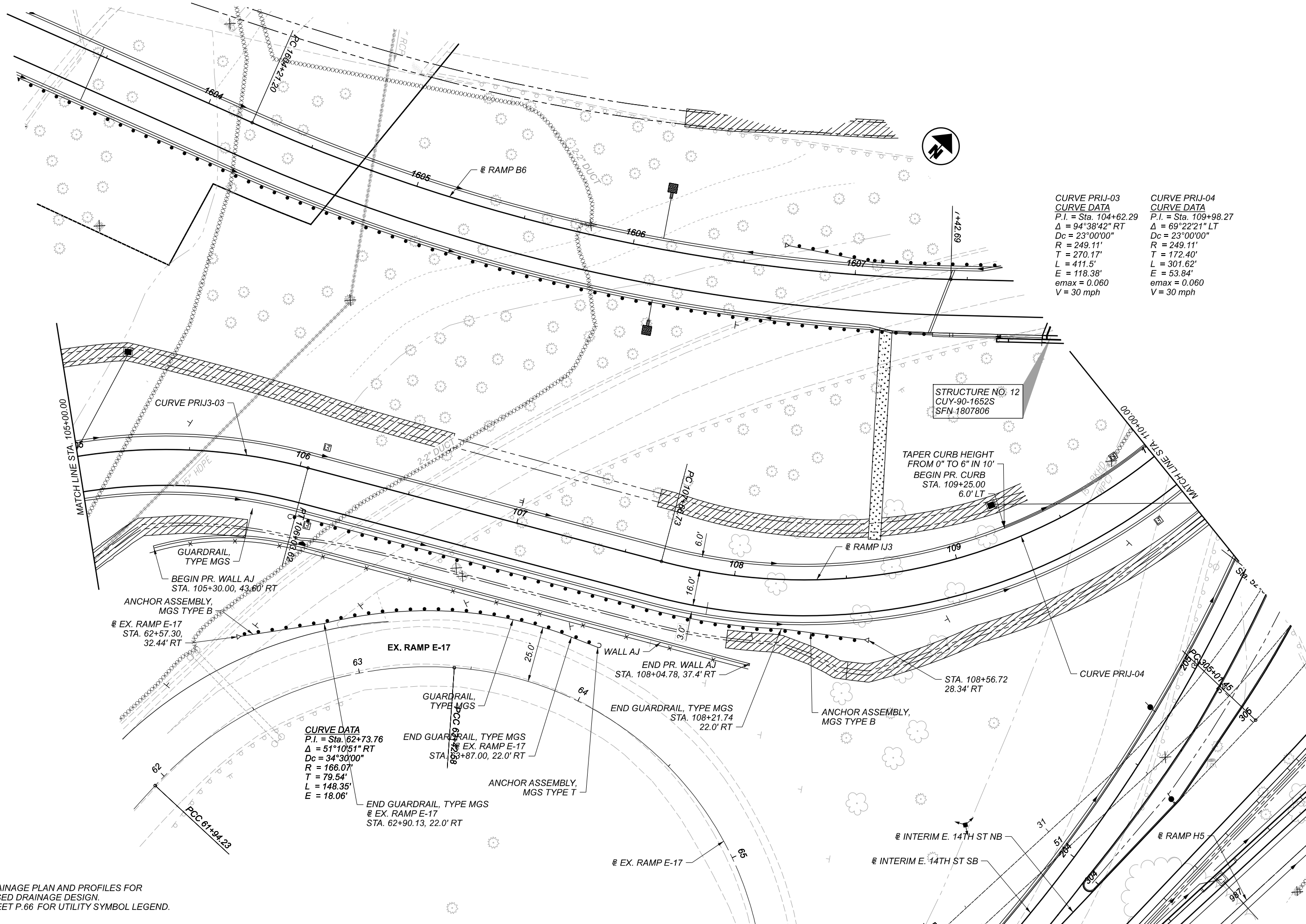


DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	449
TOTAL	2339

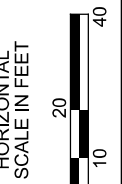
PROFILE - RAMP IJ3  
 BEGIN TO STA. 105+00.00

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET P.66 FOR UTILITY SYMBOL LEGEND.



CURVE PRIJ-03 CURVE DATA	CURVE PRIJ-04 CURVE DATA
P.I. = Sta. 104+62.29	P.I. = Sta. 109+98.27
$\Delta = 94^{\circ}38'42''$ RT	$\Delta = 69^{\circ}22'21''$ LT
Dc = $23^{\circ}00'00''$	Dc = $23^{\circ}00'00''$
R = 249.11'	R = 249.11'
T = 270.17'	T = 172.40'
L = 411.5'	L = 301.62'
E = 118.38'	E = 53.84'
emax = 0.060	emax = 0.060
V = 30 mph	V = 30 mph



PLAN - RAMP IJ3  
 STA. 105+00.00 TO 110+00.00

DESIGN AGENCY

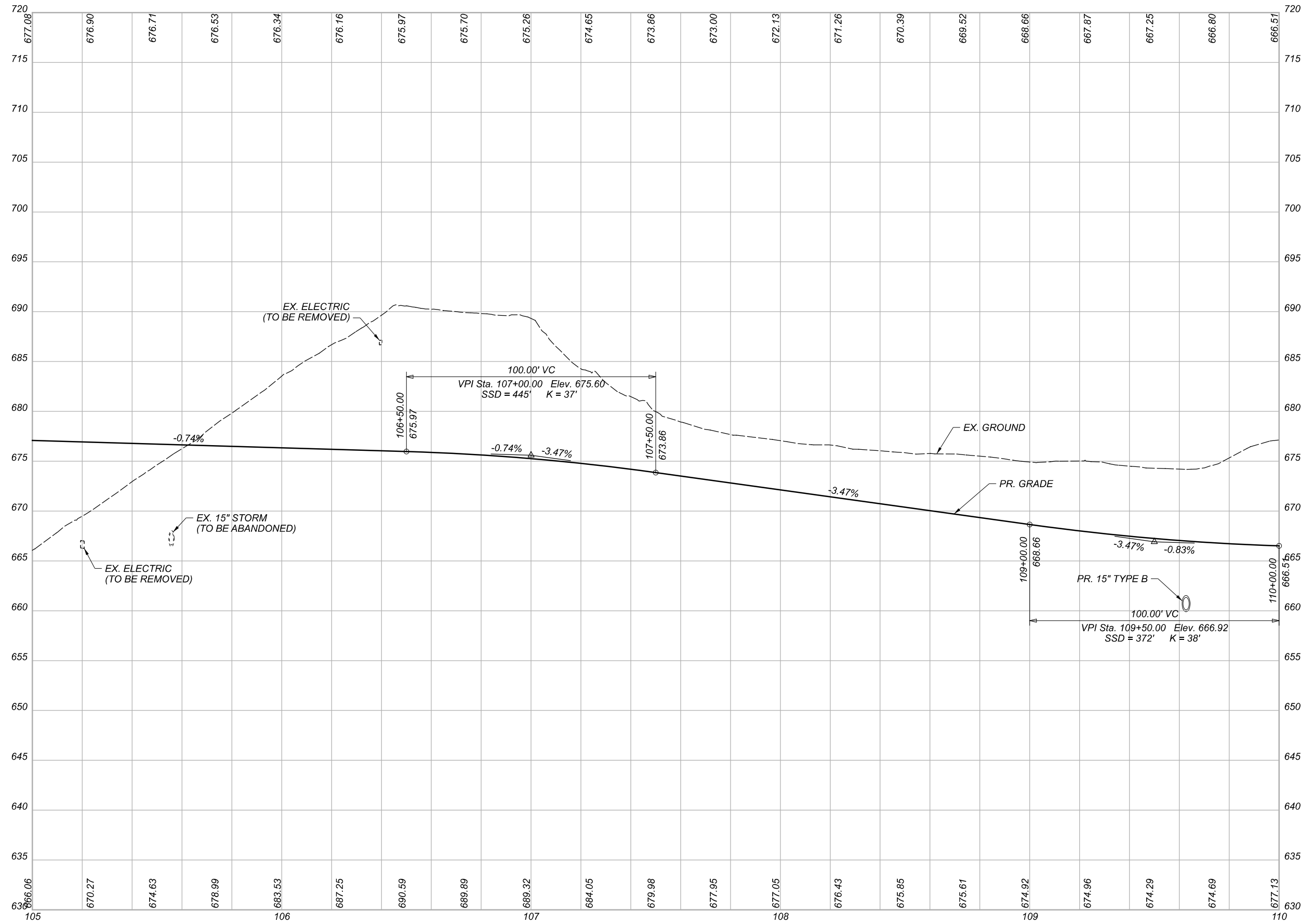
Michael Baker  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
450	2339



PROFILE - RAMP IJ3  
 STA. 105+00.00 TO 110+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
451	2339

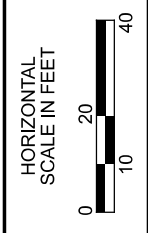
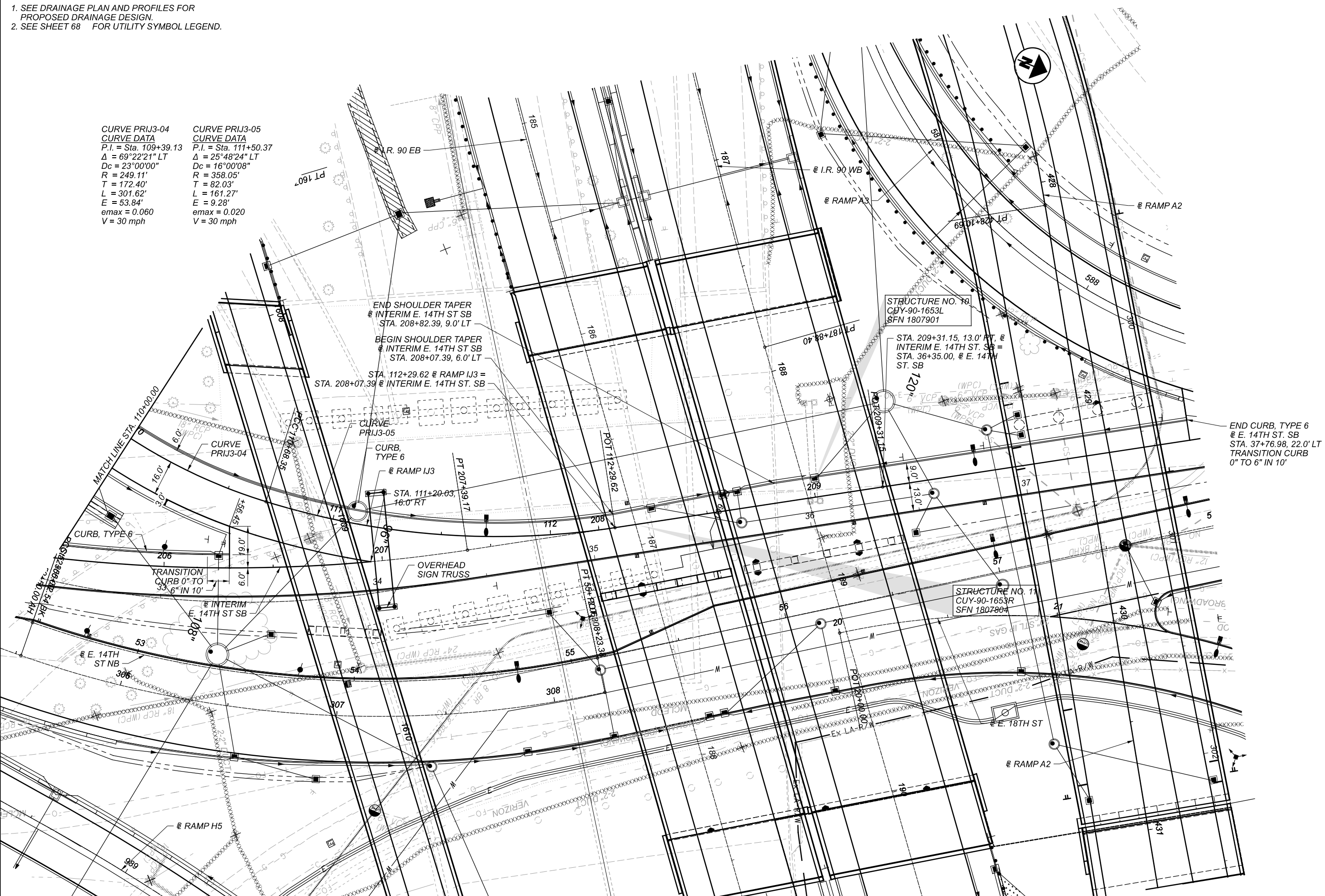
NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

**CURVE PRIJ3-04  
CURVE DATA**  
 P.I. = Sta. 109+39.13  
 $\Delta = 69^{\circ}22'21''$  LT  
 $D_c = 23^{\circ}00'00''$   
 $R = 249.11'$   
 $T = 172.40'$   
 $L = 301.62'$   
 $E = 53.84'$   
 $e_{max} = 0.060$   
 $V = 30$  mph

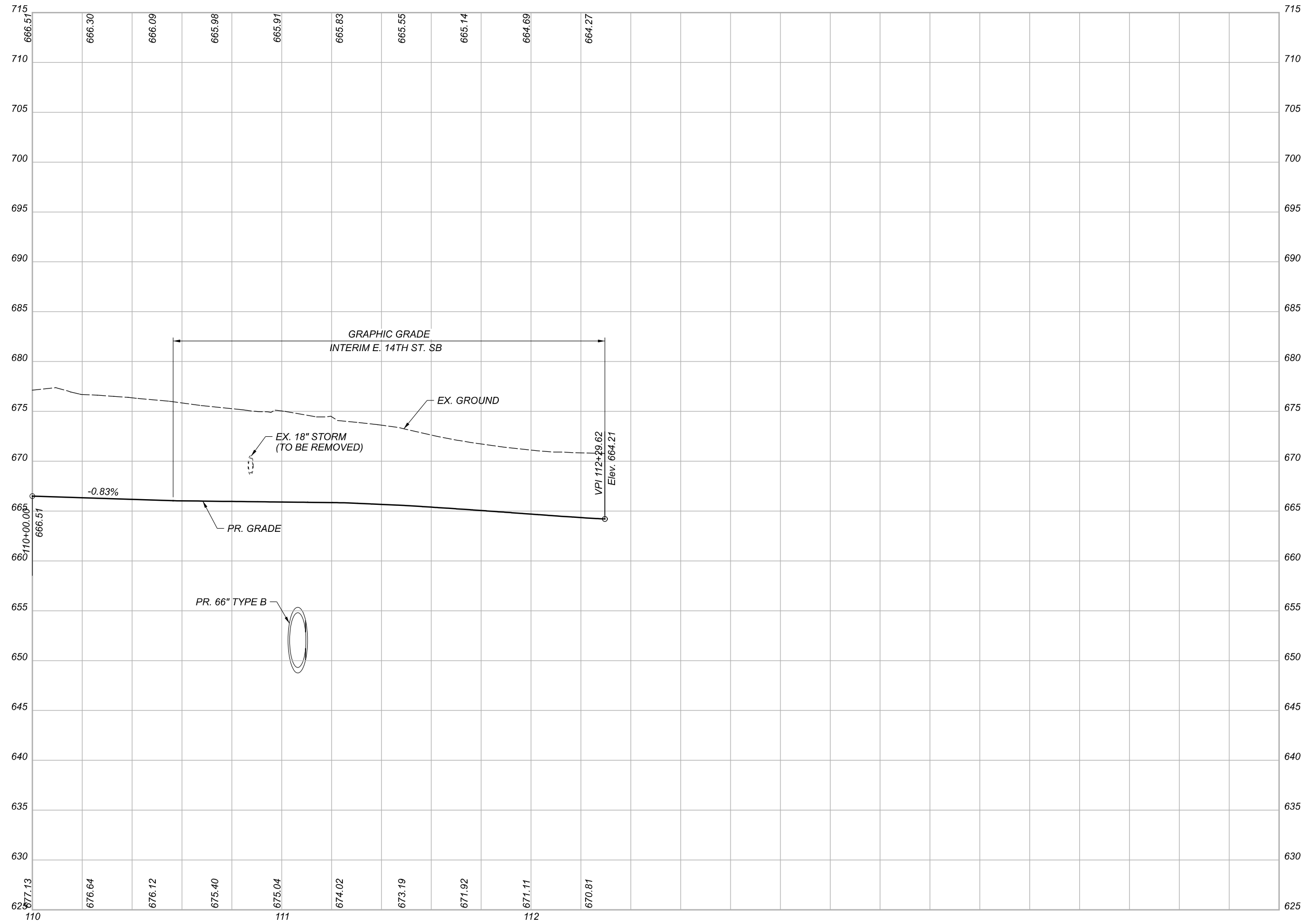
**CURVE PRIJ3-05  
CURVE DATA**  
 P.I. = Sta. 111+50.37  
 $\Delta = 25^{\circ}48'24''$  LT  
 $D_c = 16^{\circ}00'08''$   
 $R = 358.05'$   
 $T = 82.03'$   
 $L = 161.27'$   
 $E = 9.28'$   
 $e_{max} = 0.020$   
 $V = 30$  mph

CUY-90-16.28 (CCG3A)  
 MODEL: 82382.GP6303 PAPER SIZE: 17x11 (in.) DATE: 6/22/2022 TIME: 9:39:40 PM USER: Kevin.McNutt  
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**PLAN - RAMP IJ3**  
**STA. 110+00.00 TO END**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	452
TOTAL	2339



PROFILE - RAMP IJ3  
 STA. 110+00.00 TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

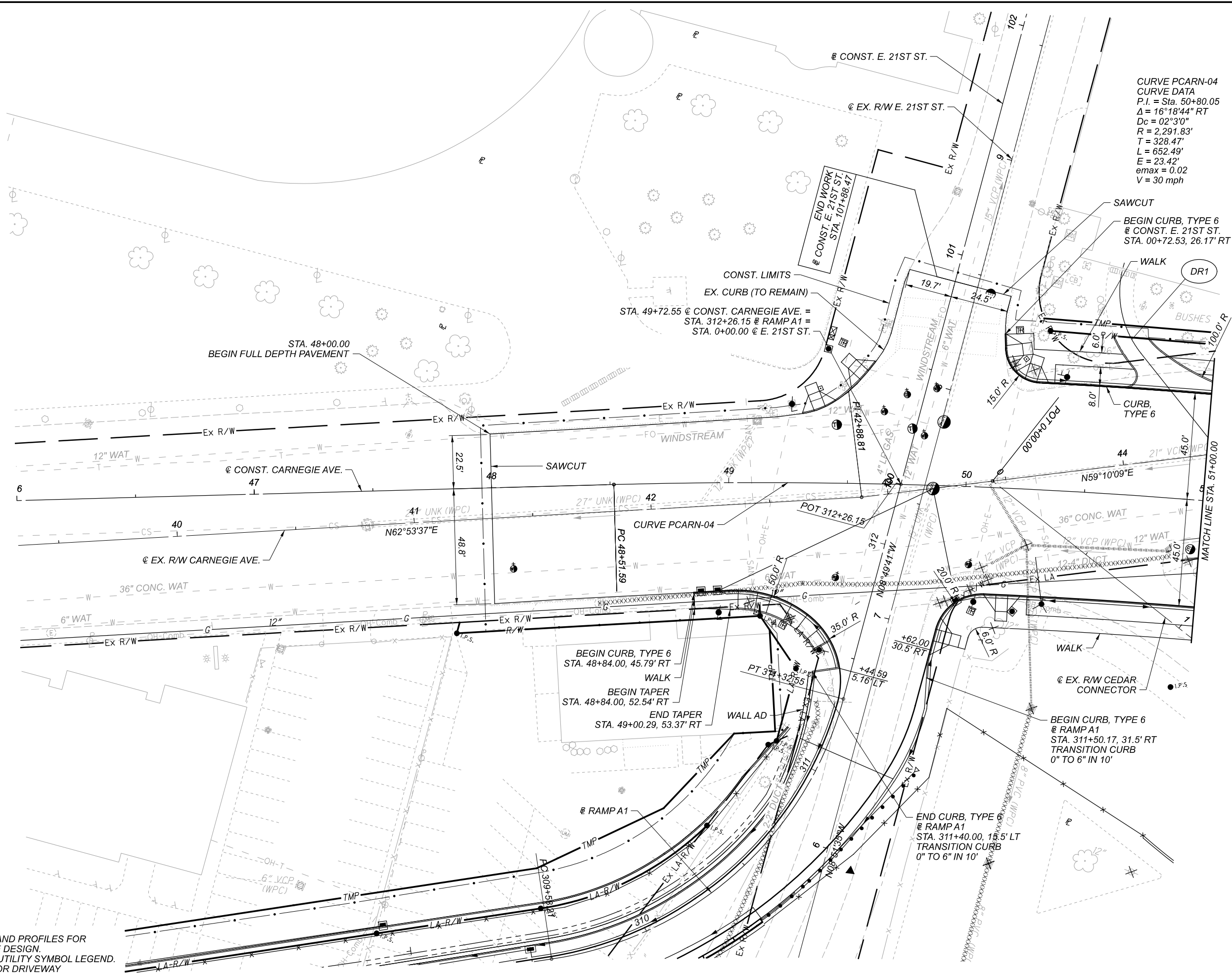
REVIEWER

PROJECT ID  
 82382

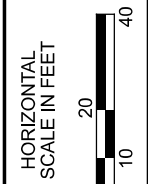
SHEET	TOTAL
453	2339

**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.
3. SEE DRIVE DETAILS FOR DRIVEWAY PLAN AND PROFILES



CURVE PCARN-04  
 CURVE DATA  
 P.I. = Sta. 50+80.05  
 Δ = 16°18'44" RT  
 Dc = 02°3'0"  
 R = 2,291.83'  
 T = 328.47'  
 L = 652.49'  
 E = 23.42'  
 e<sub>max</sub> = 0.02  
 V = 30 mph



**PLAN - CARNEGIE AVE.  
 BEGIN TO STA. 51+00.00**

DESIGN AGENCY

**Michael Baker  
 INTERNATIONAL**

DESIGNER

REVIEWER

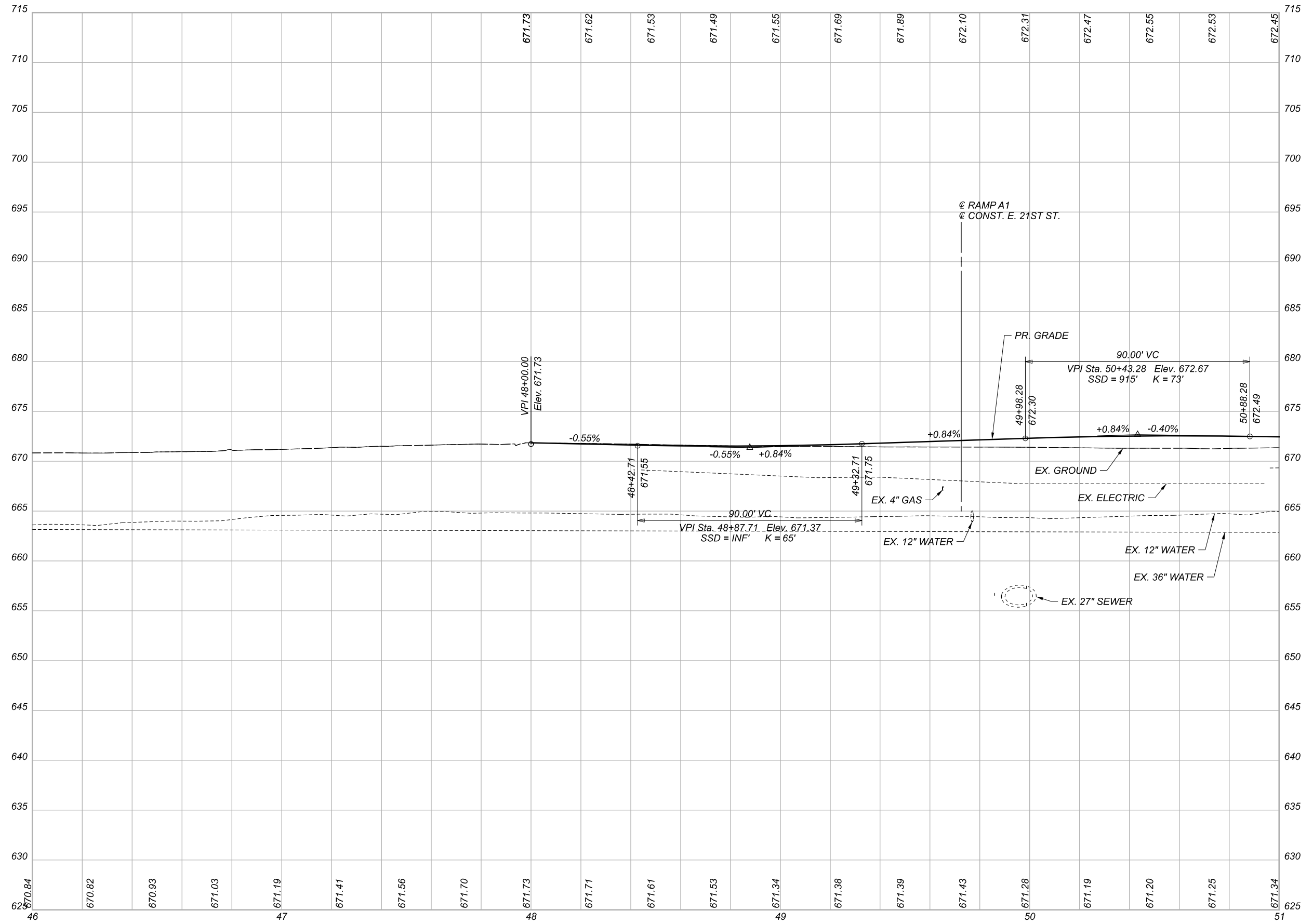
PROJECT ID  
 82382

SHEET TOTAL  
 454 2339



**CUY-90-16.28 (CCG3A)**

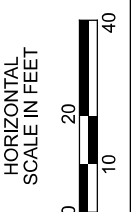
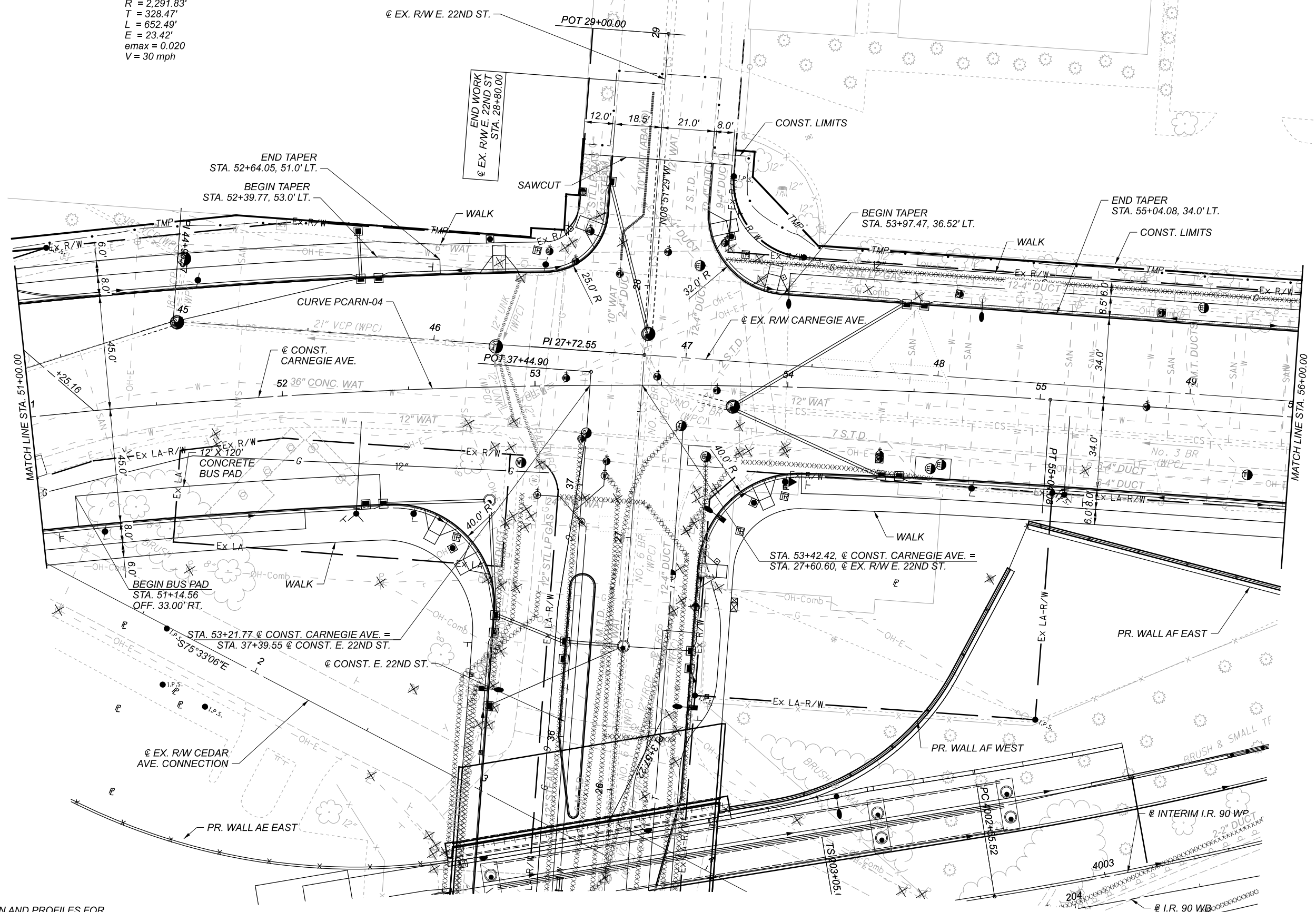
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**PROFILE - CARNEGIE AVE.  
 BEGIN TO STA. 51+00.00**

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	455
TOTAL	2339

CURVE PCARN-04  
 CURVE DATA  
 P.I. = Sta. 51+80.05  
 $\Delta = 16^\circ 18' 44''$  RT  
 $D_c = 02^\circ 30' 00''$   
 $R = 2,291.83'$   
 $T = 328.47'$   
 $L = 652.49'$   
 $E = 23.42'$   
 $e_{max} = 0.020$   
 $V = 30$  mph

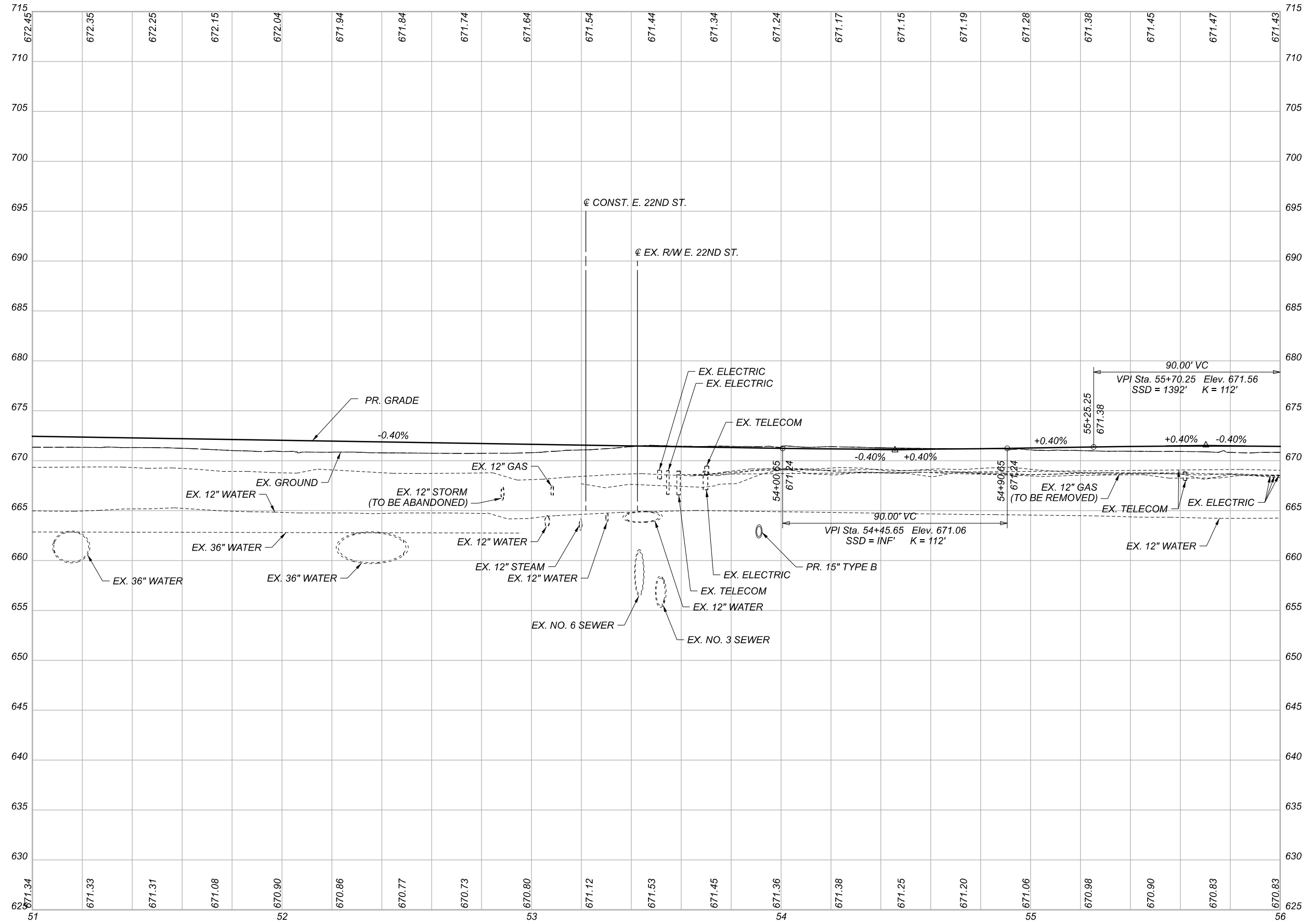


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- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

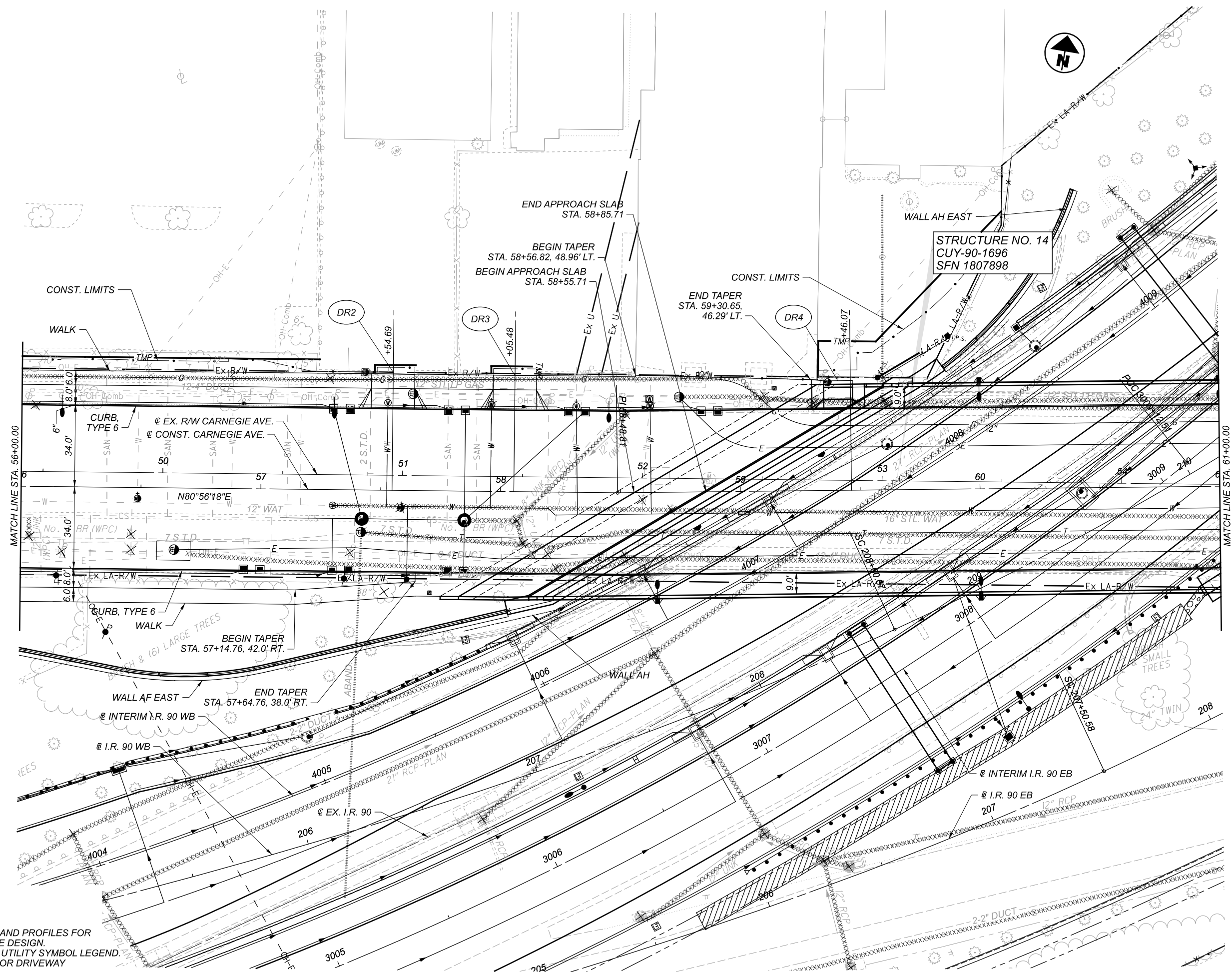
**PLAN - CARNEGIE AVE.**  
 STA. 51+00.00 TO STA. 56+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	456
TOTAL	2339



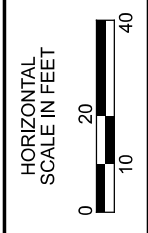
DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	457
TOTAL	2339

PROFILE - CARNEGIE AVE.  
 STA. 51+00.00 TO STA. 56+00.00



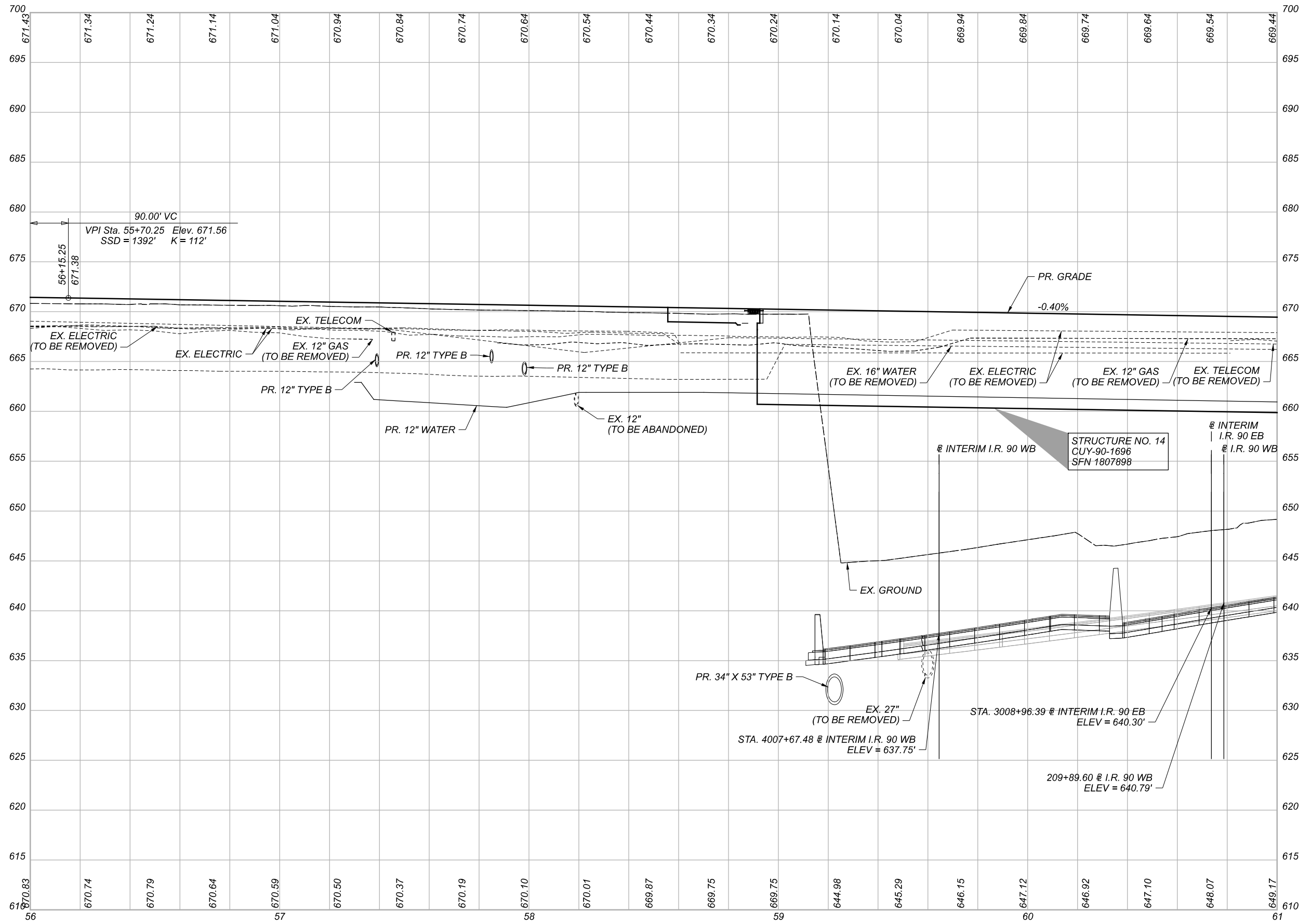
NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.
3. SEE DRIVE DETAILS FOR DRIVEWAY PLAN AND PROFILES



PLAN - CARNEGIE AVE.  
 STA. 56+00.00 TO STA. 61+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	458 2339



PROFILE - CARNEGIE AVE.  
 STA. 56+00.00 TO STA. 61+00.00

DESIGN AGENCY

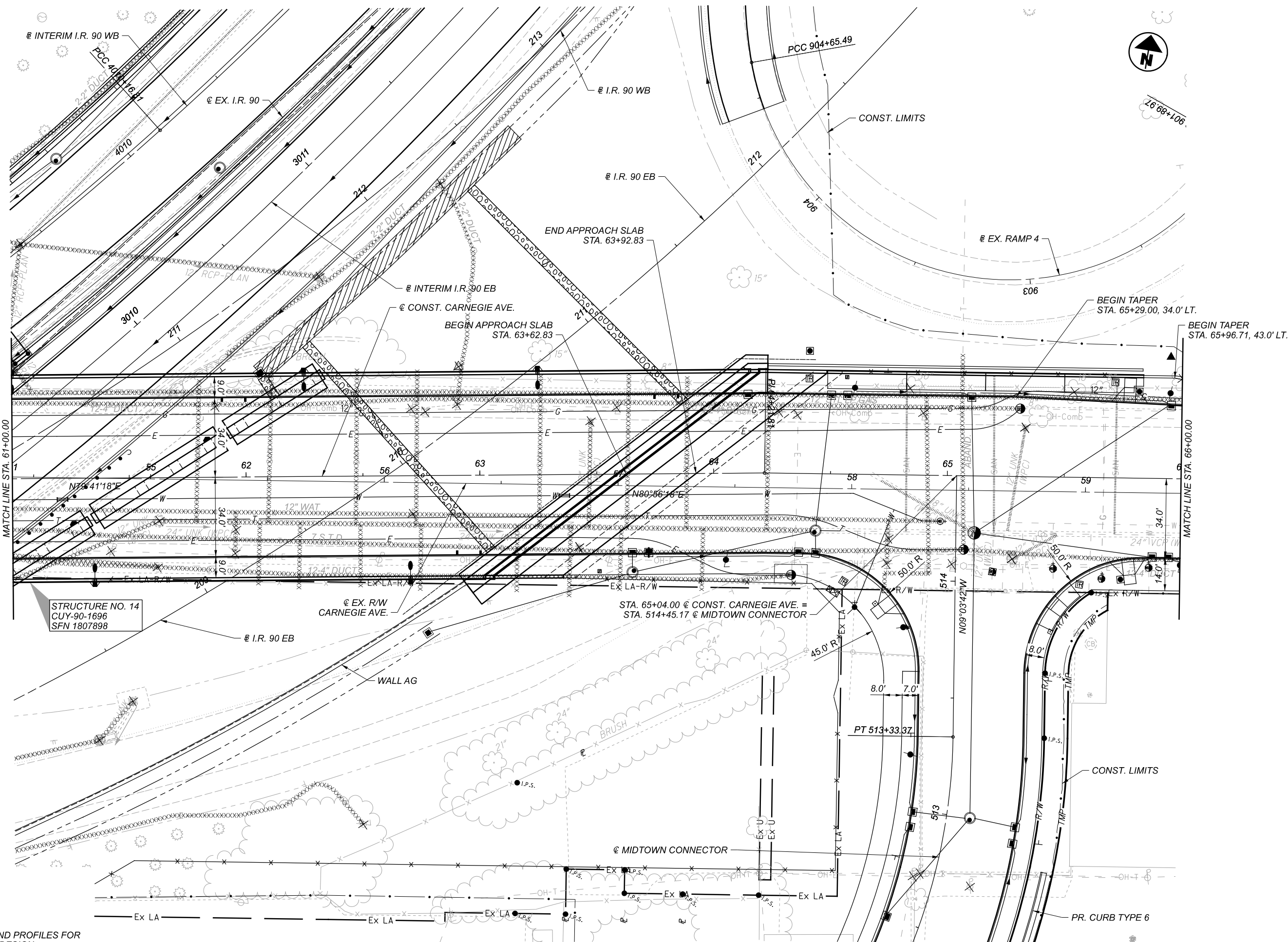
**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

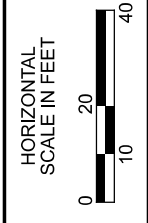
SHEET	TOTAL
459	2339



STRUCTURE NO. 14  
CUY-90-1696  
SFN 1807898

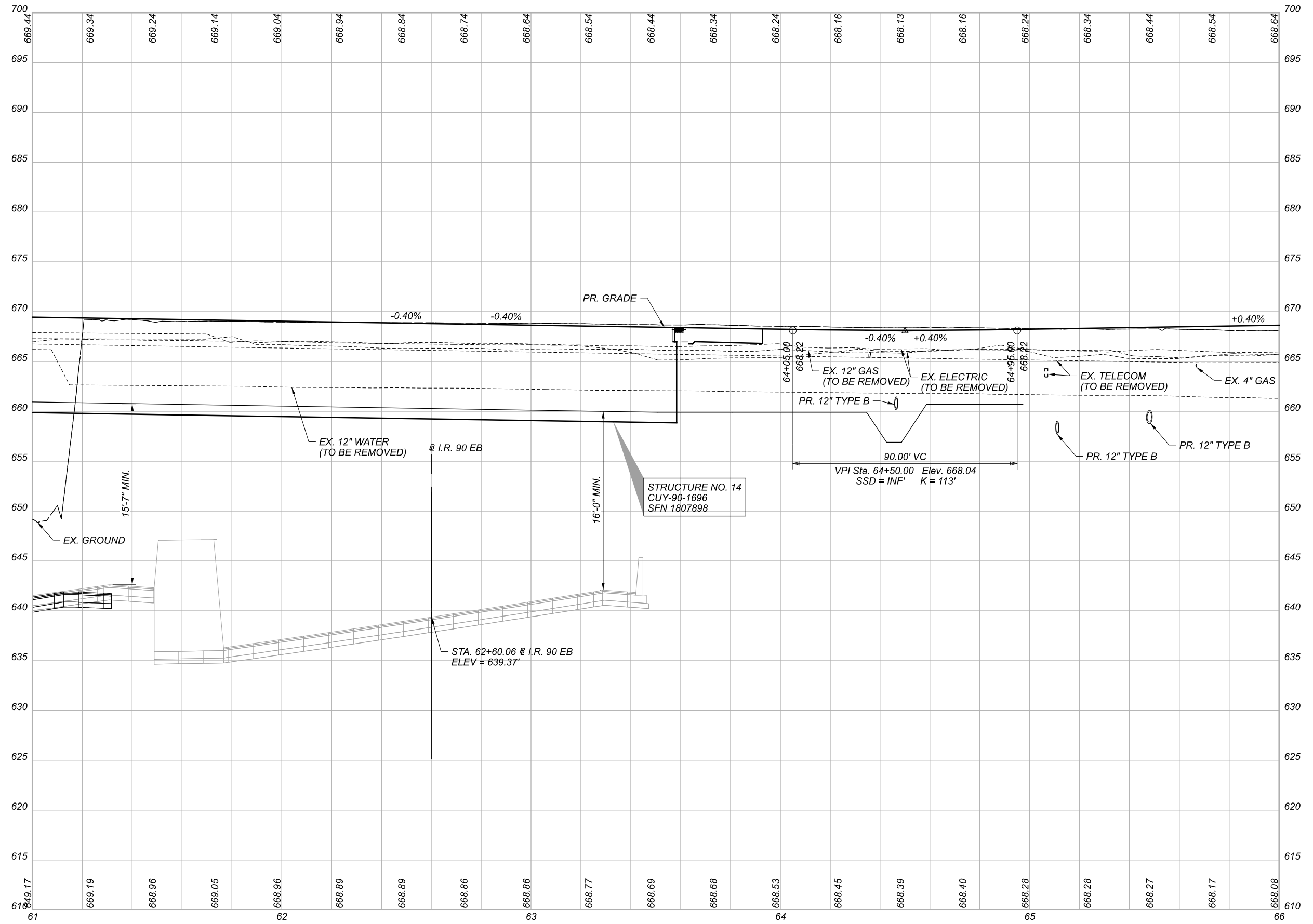
**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - CARNEGIE AVE.**  
STA. 61+00.00 TO STA. 66+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	460
TOTAL	2339

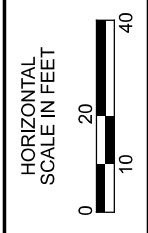
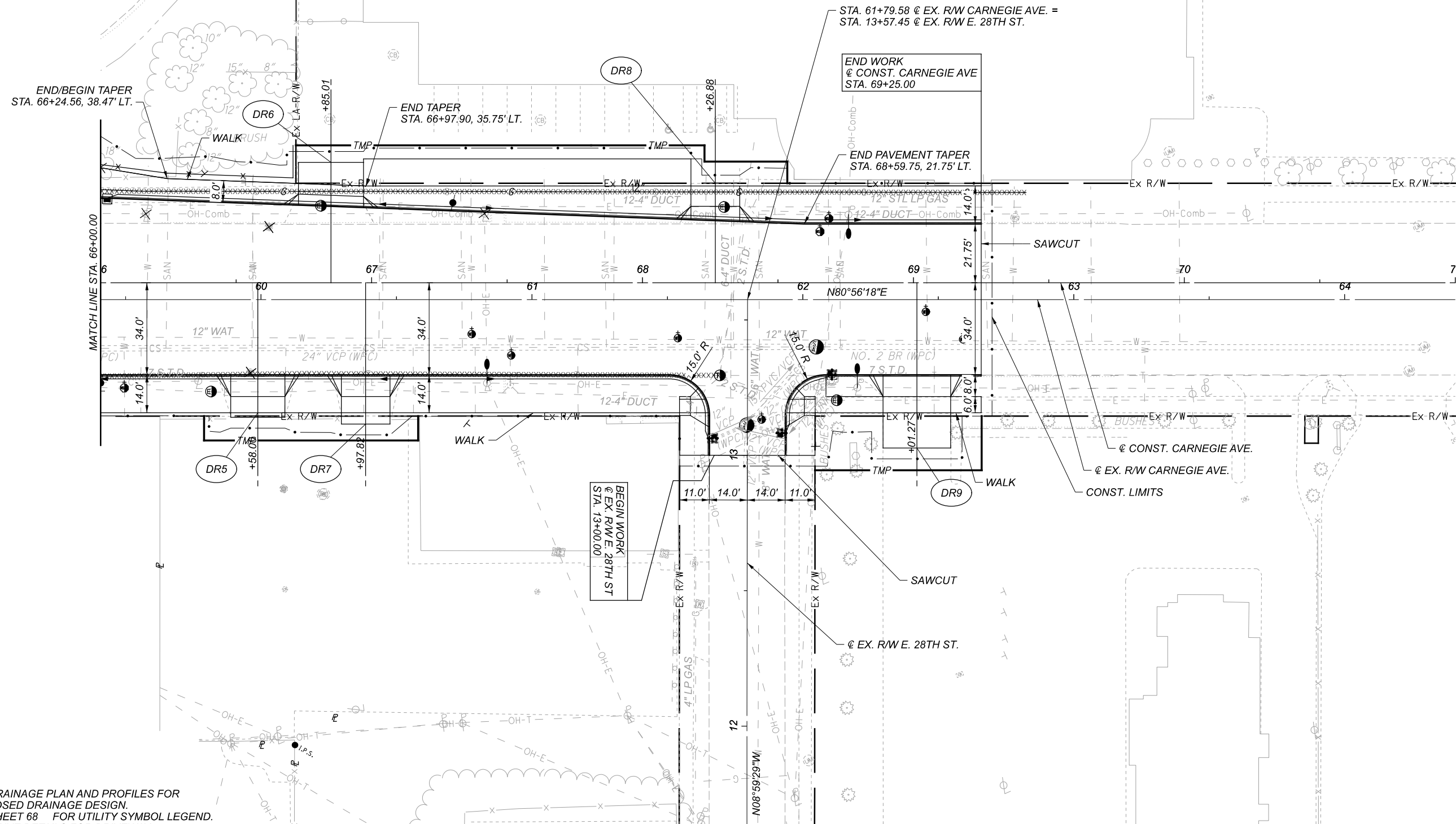


DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	461
TOTAL	2339

PROFILE - CARNEGIE AVE.  
 STA. 61+00.00 TO STA. 66+00.00

**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.
3. SEE DRIVE DETAILS FOR DRIVEWAY PLAN AND PROFILES



**PLAN - CARNEGIE AVE.  
 STA. 66+00.00 TO END**

DESIGN AGENCY

**Michael Baker  
 INTERNATIONAL**

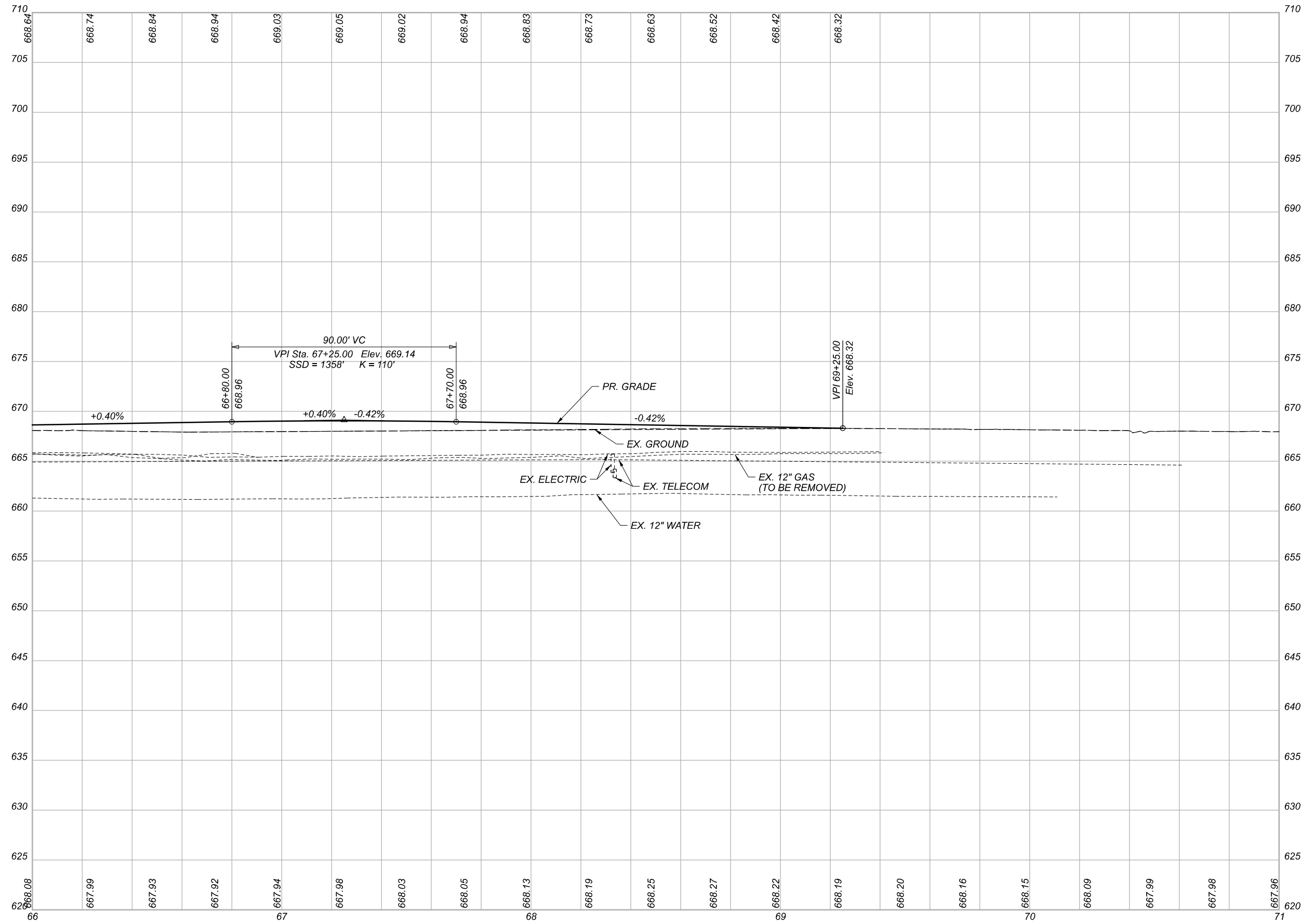
DESIGNER

REVIEWER

PROJECT ID  
 82382

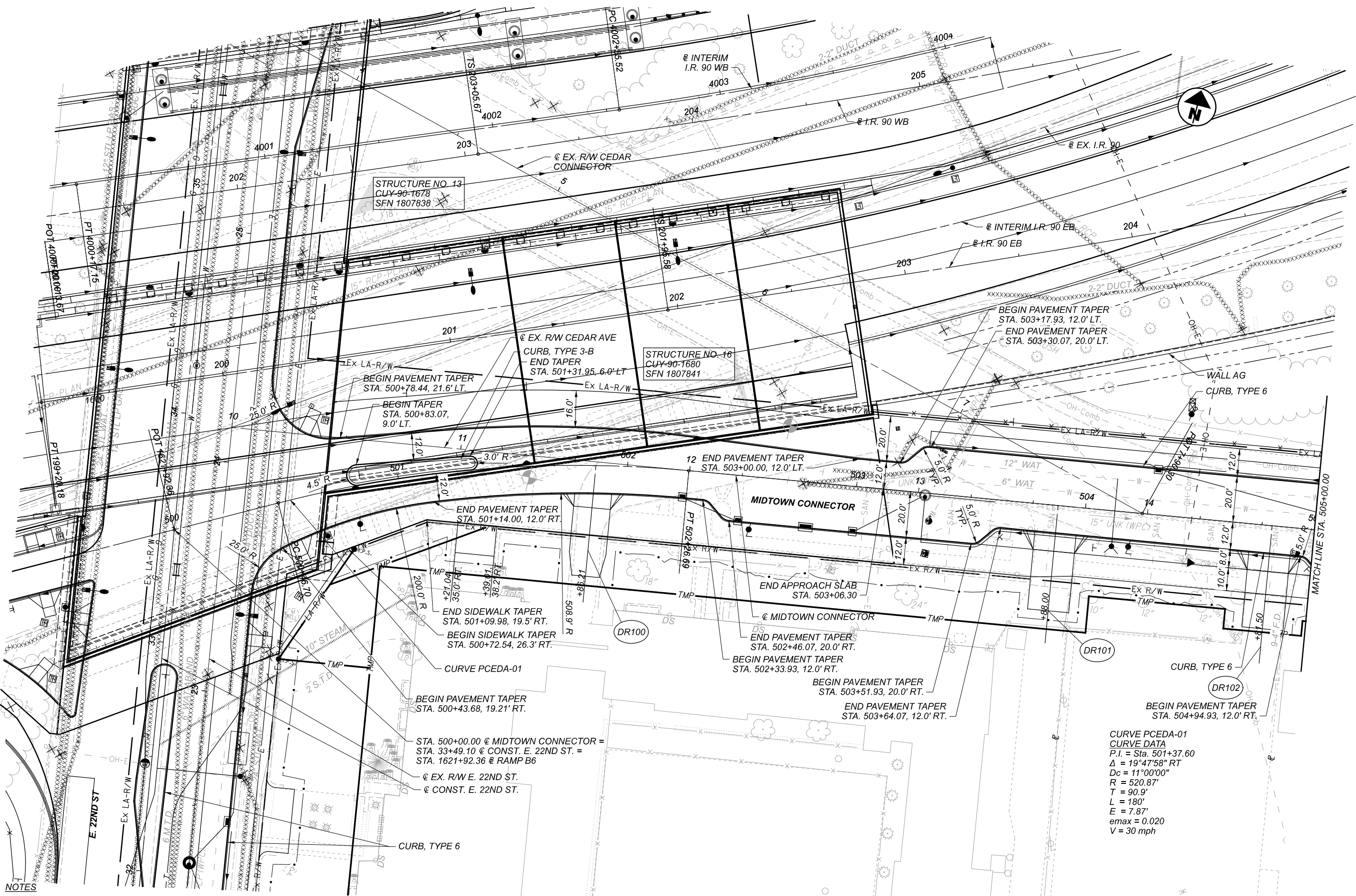
SHEET	TOTAL
462	2339





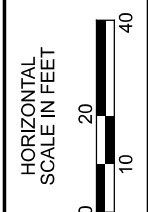
PROFILE - CARNEGIE AVE.  
 STA. 66+00.00 TO END

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	463
TOTAL	2339



- NOTES
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.
  - SEE DRIVE DETAILS FOR DRIVEWAY PLAN AND PROFILES

CURVE PCEDA-01  
 CURVE DATA  
 P.I. = Sta. 501+37.60  
 $\Delta = 19^\circ 47' 58" RT$   
 $D_c = 11^\circ 00' 00"$   
 $R = 520.87'$   
 $T = 90.9'$   
 $L = 180'$   
 $E = 7.87'$   
 $e_{max} = 0.020$   
 $V = 30 \text{ mph}$



PLAN - MIDTOWN CONNECTOR  
 BEGIN TO STA. 505+00.00

DESIGN AGENCY

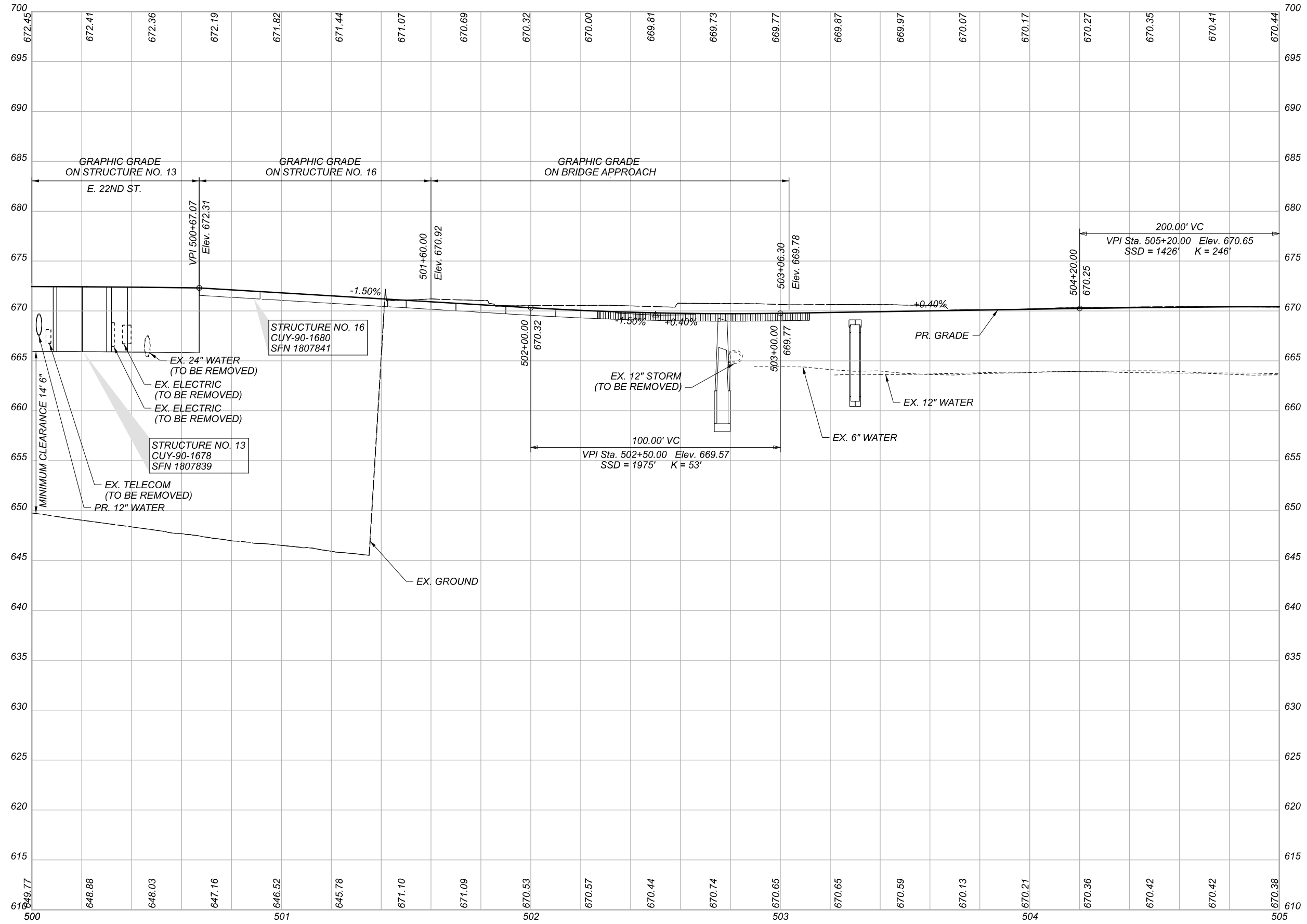
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET TOTAL  
464 2339



PROFILE - MIDTOWN CONNECTOR  
 BEGIN TO STA. 505+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

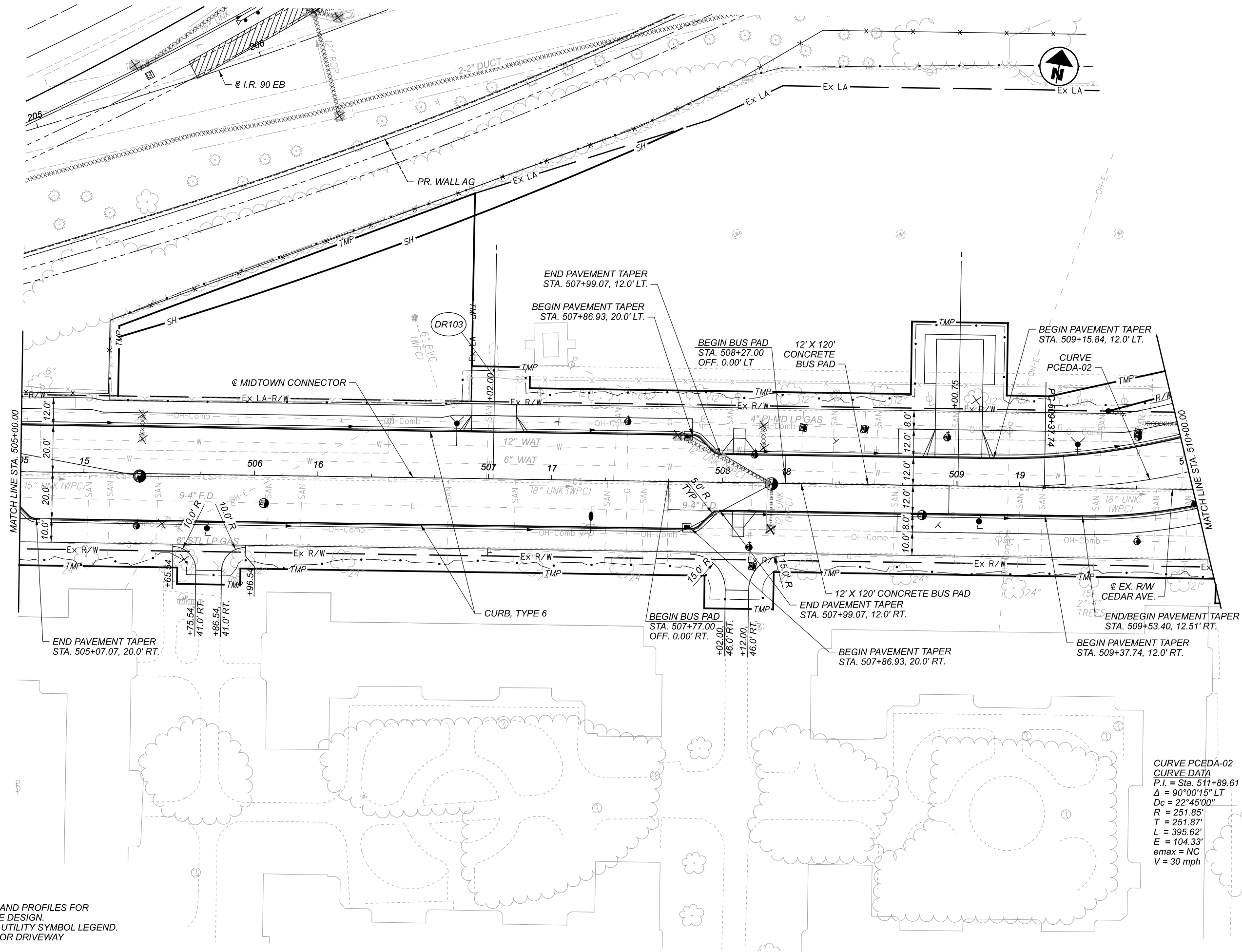
REVIEWER

PROJECT ID  
 82382

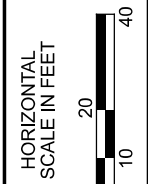
SHEET	TOTAL
465	2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.
3. SEE DRIVE DETAILS FOR DRIVEWAY PLAN AND PROFILES



**CURVE PCEDA-02**  
 CURVE DATA  
 P.I. = Sta. 511+89.61  
 $\Delta = 90^{\circ}00'15''$  LT  
 $D_c = 22^{\circ}45'00''$   
 $R = 251.85'$   
 $T = 251.87'$   
 $L = 395.62'$   
 $E = 104.33'$   
 $V = 30$  mph



PLAN - MIDTOWN CONNECTOR  
 STA. 505+00.00 TO STA. 510+00.00

DESIGN AGENCY

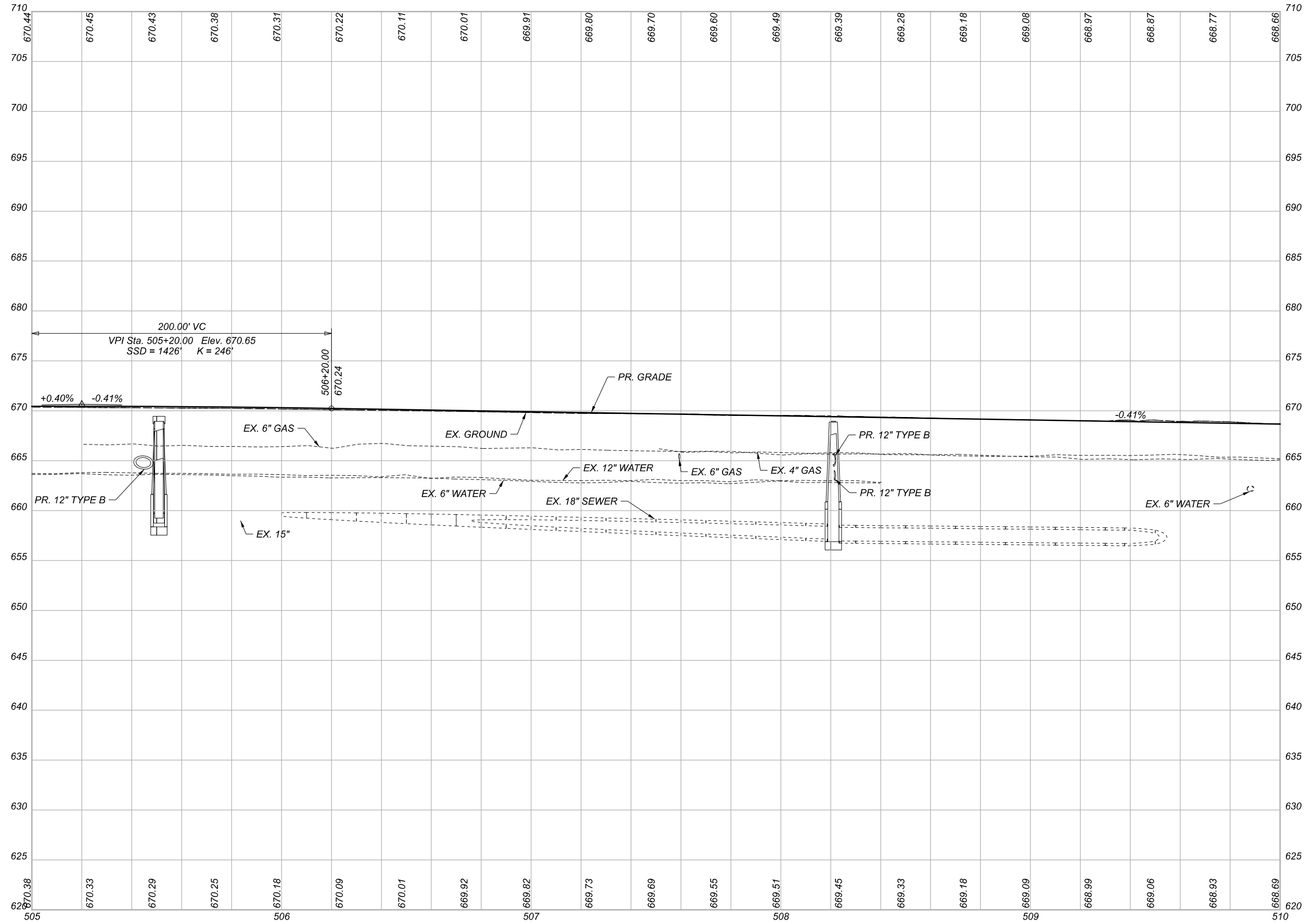
Michael Baker  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET TOTAL  
 466 2339



PROFILE - MIDTOWN CONNECTOR  
 STA. 505+00.00 TO STA. 510+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

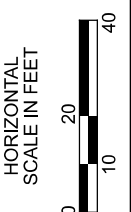
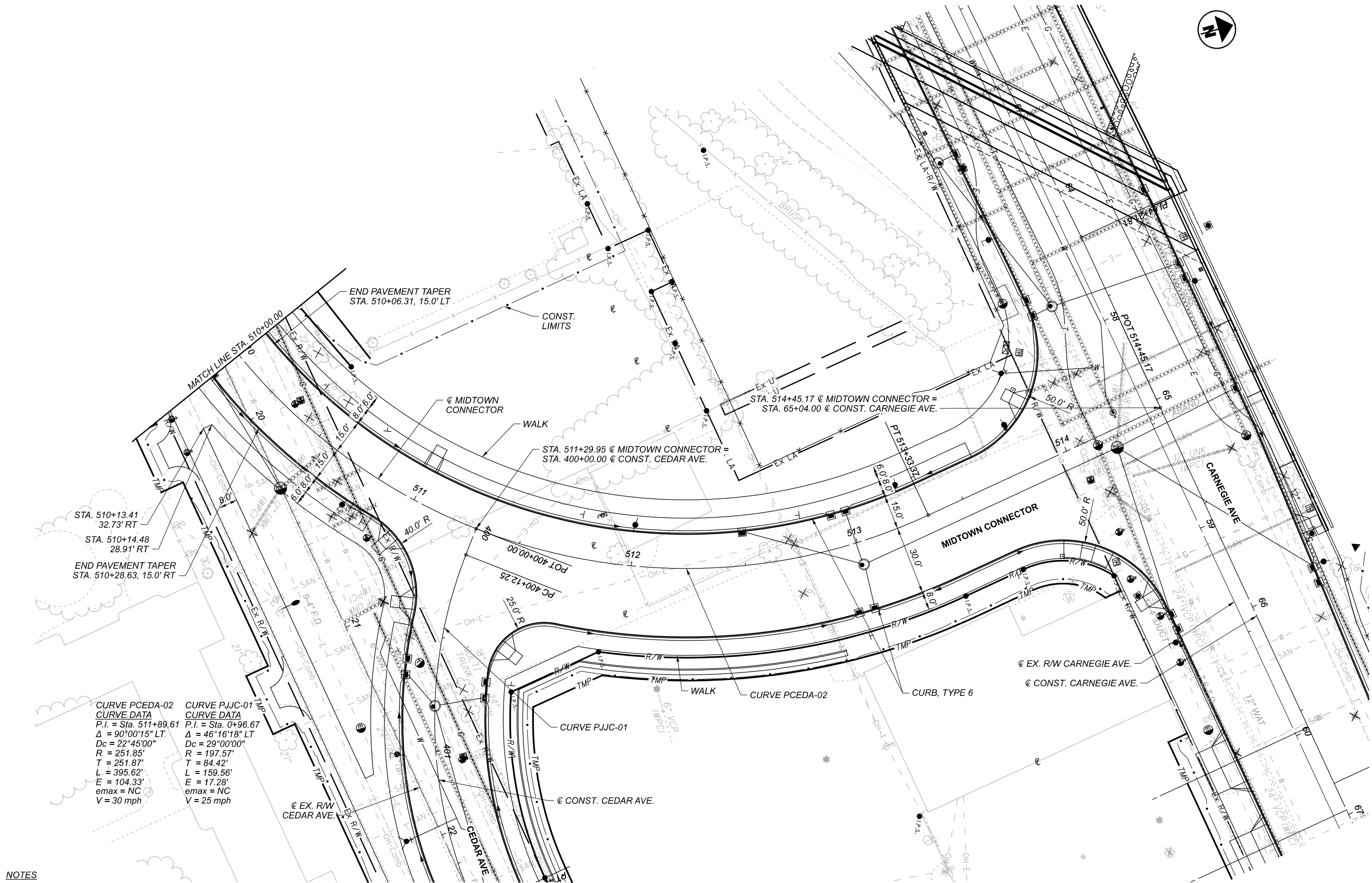
REVIEWER

PROJECT ID

82382

SHEET TOTAL

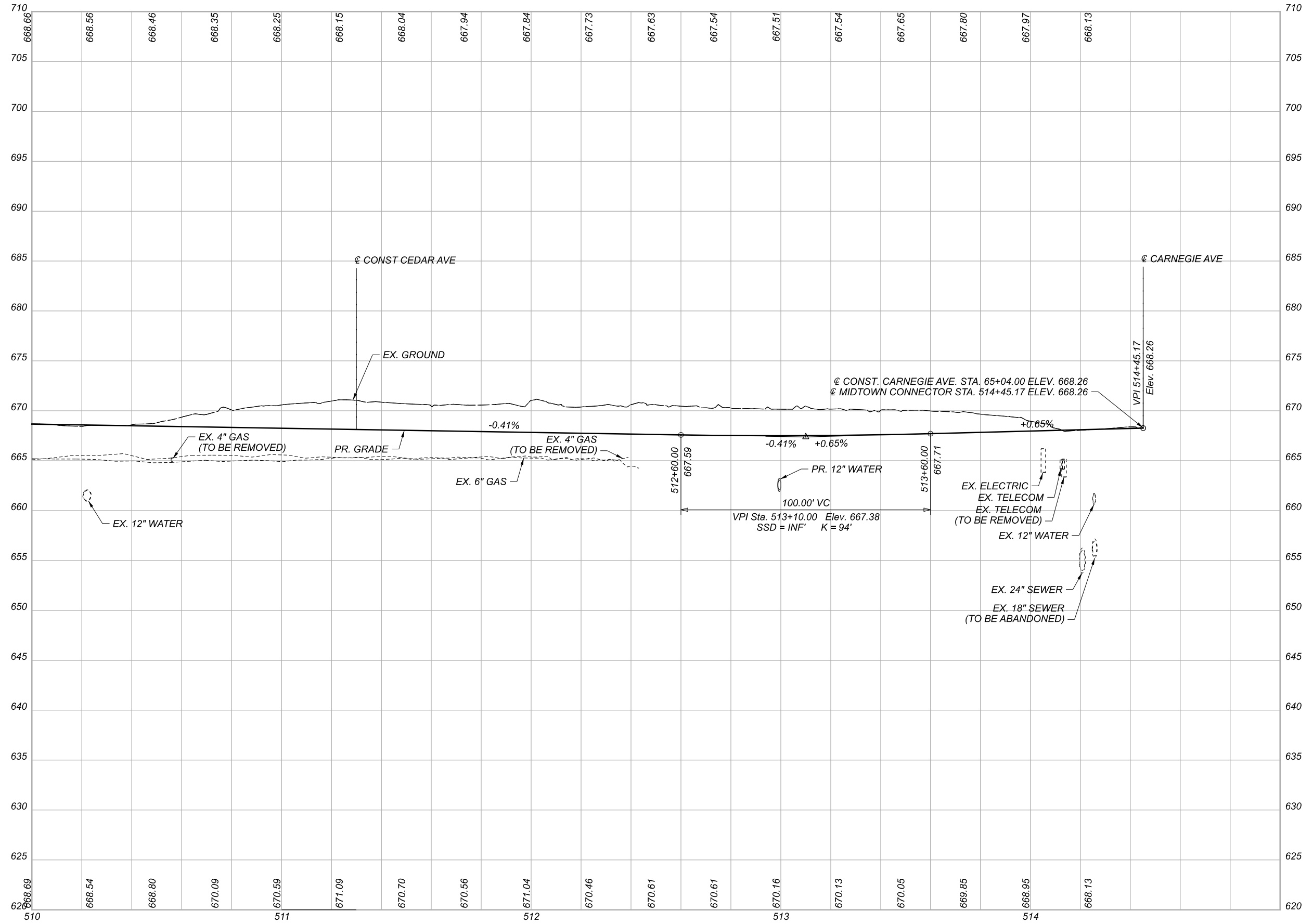
467 2339



PLAN - MIDTOWN CONNECTOR  
 STA. 510+00.00 TO END

- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.
  3. SEE DRIVE DETAILS FOR DRIVEWAY PLAN AND PROFILES

DESIGN AGENCY	
<b>Michael Baker INTERNATIONAL</b>	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	468
TOTAL	2339



PROFILE - MIDTOWN CONNECTOR  
 STA. 510+00.00 TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

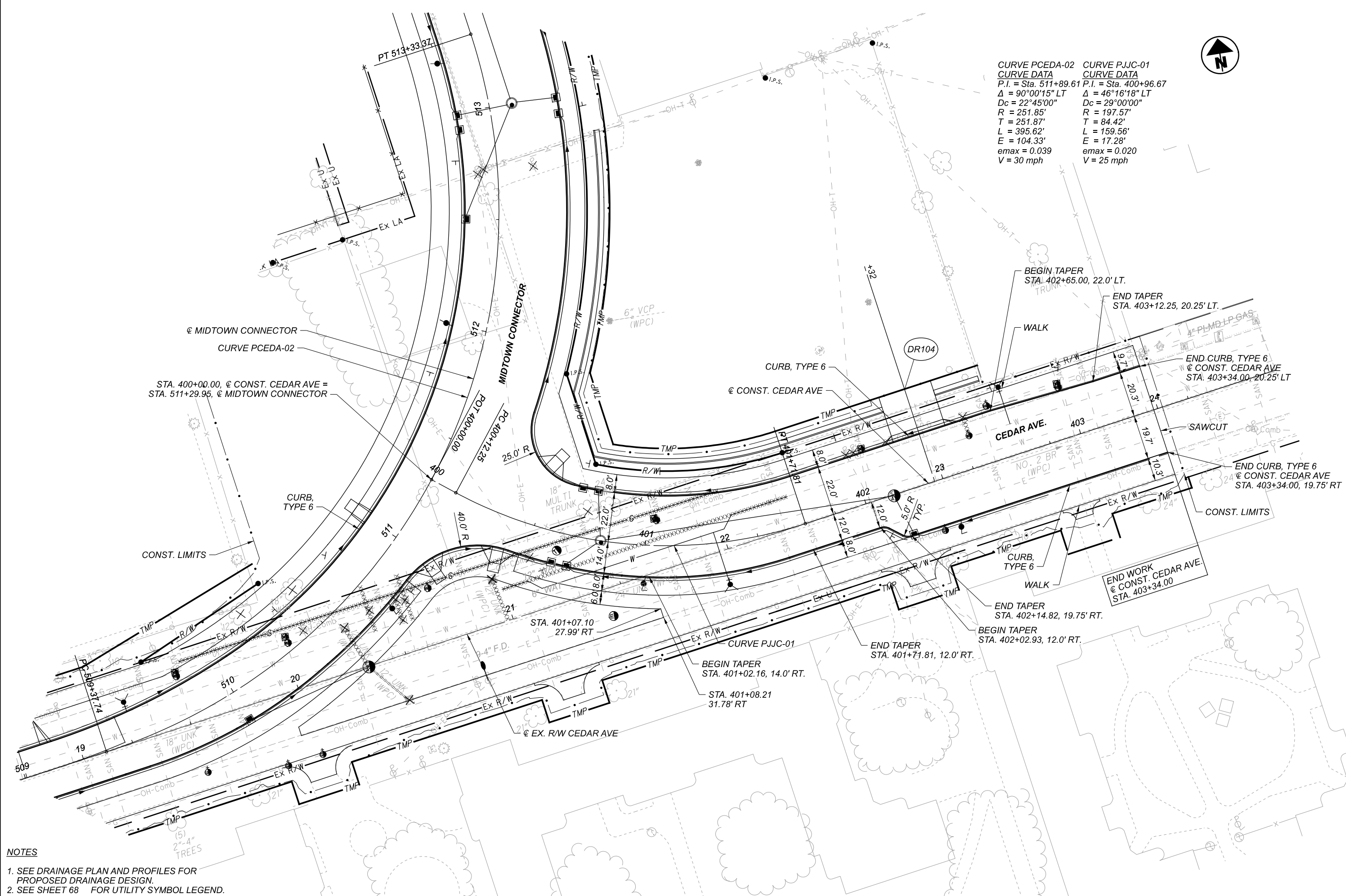
PROJECT ID

82382

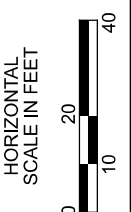
SHEET TOTAL

469 2339





CURVE PCEDA-02 CURVE DATA	CURVE PJJC-01 CURVE DATA
P.I. = Sta. 511+89.61	P.I. = Sta. 400+96.67
$\Delta = 90^{\circ}00'15''$ LT	$\Delta = 46^{\circ}16'18''$ LT
$D_c = 22^{\circ}45'00''$	$D_c = 29^{\circ}00'00''$
$R = 251.85'$	$R = 197.57'$
$T = 251.87'$	$T = 84.42'$
$L = 395.62'$	$L = 159.56'$
$E = 104.33'$	$E = 17.28'$
$e_{max} = 0.039$	$e_{max} = 0.020$
$V = 30$ mph	$V = 25$ mph

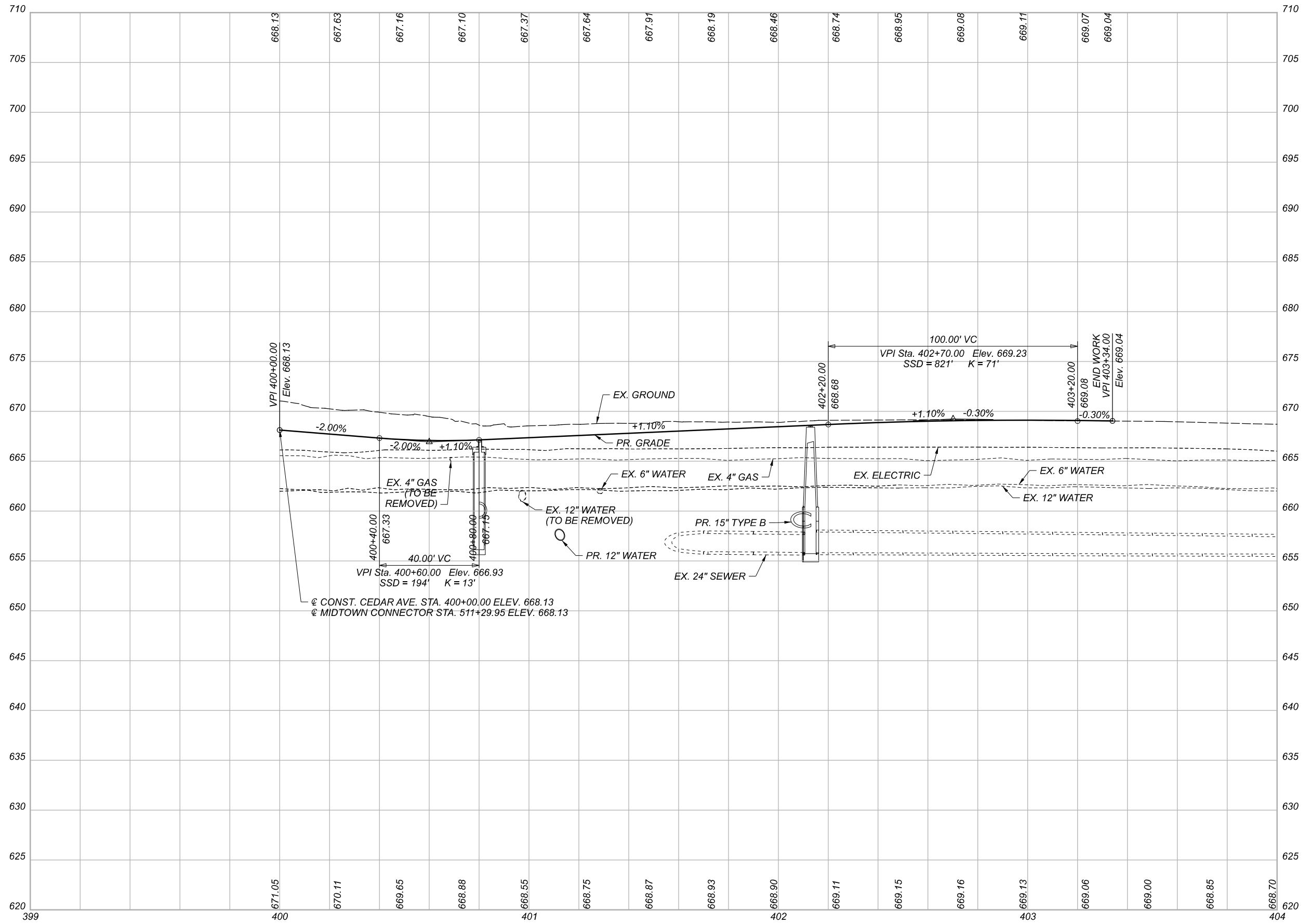


- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.
  3. SEE DRIVE DETAILS FOR DRIVEWAY PLAN AND PROFILES

**PLAN - CEDAR AVE.  
 STA. 400+00.00 TO END**

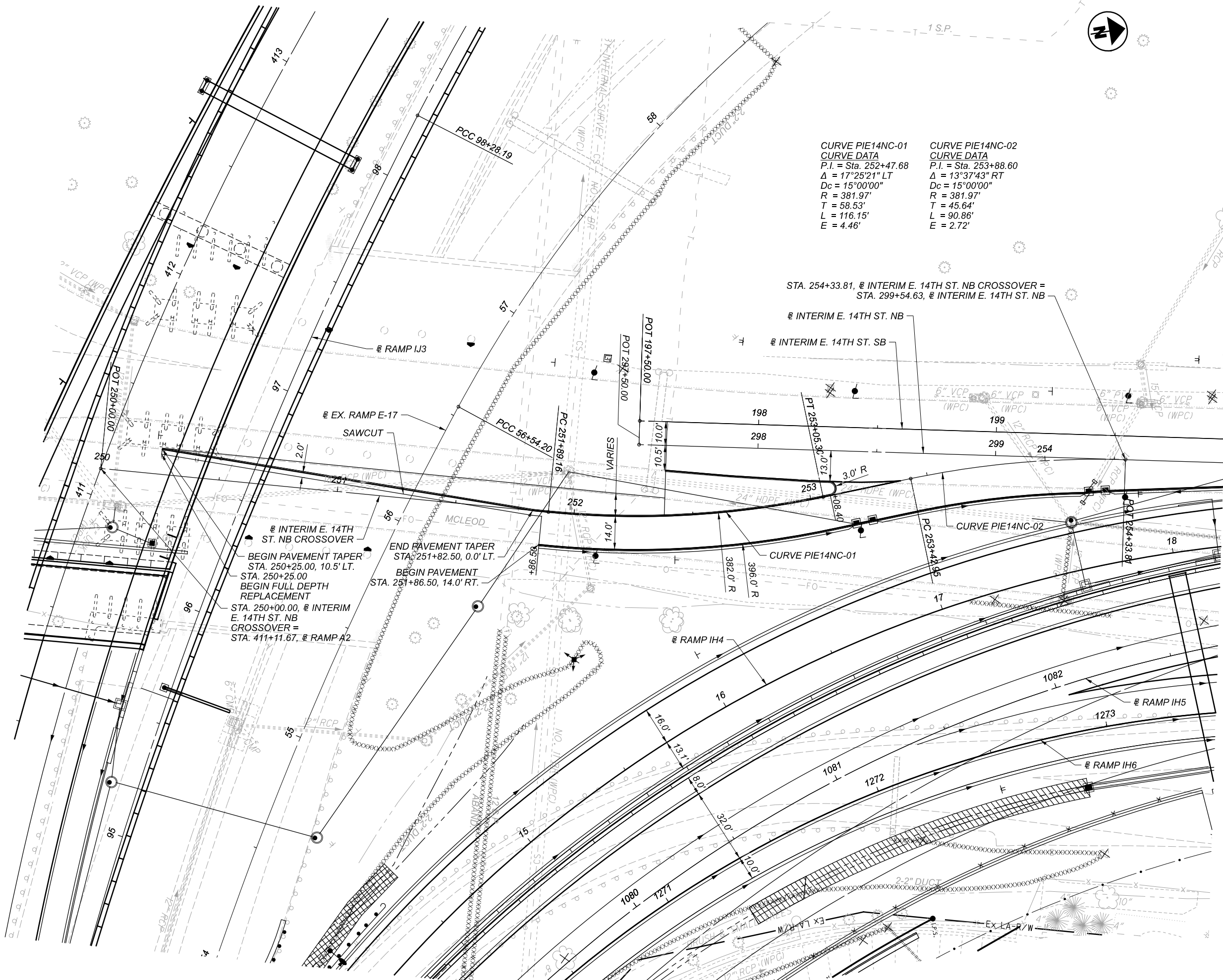
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	470
TOTAL	2339





PROFILE - CEDAR AVE.  
 STA. 400+00.00 TO END

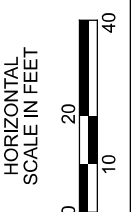
DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	471
TOTAL	2339



CURVE PIE14NC-01 CURVE DATA	CURVE PIE14NC-02 CURVE DATA
P.I. = Sta. 252+47.68	P.I. = Sta. 253+88.60
$\Delta = 17^{\circ}25'21''$ LT	$\Delta = 13^{\circ}37'43''$ RT
$D_c = 15^{\circ}00'00''$	$D_c = 15^{\circ}00'00''$
$R = 381.97'$	$R = 381.97'$
$T = 58.53'$	$T = 45.64'$
$L = 116.15'$	$L = 90.86'$
$E = 4.46'$	$E = 2.72'$

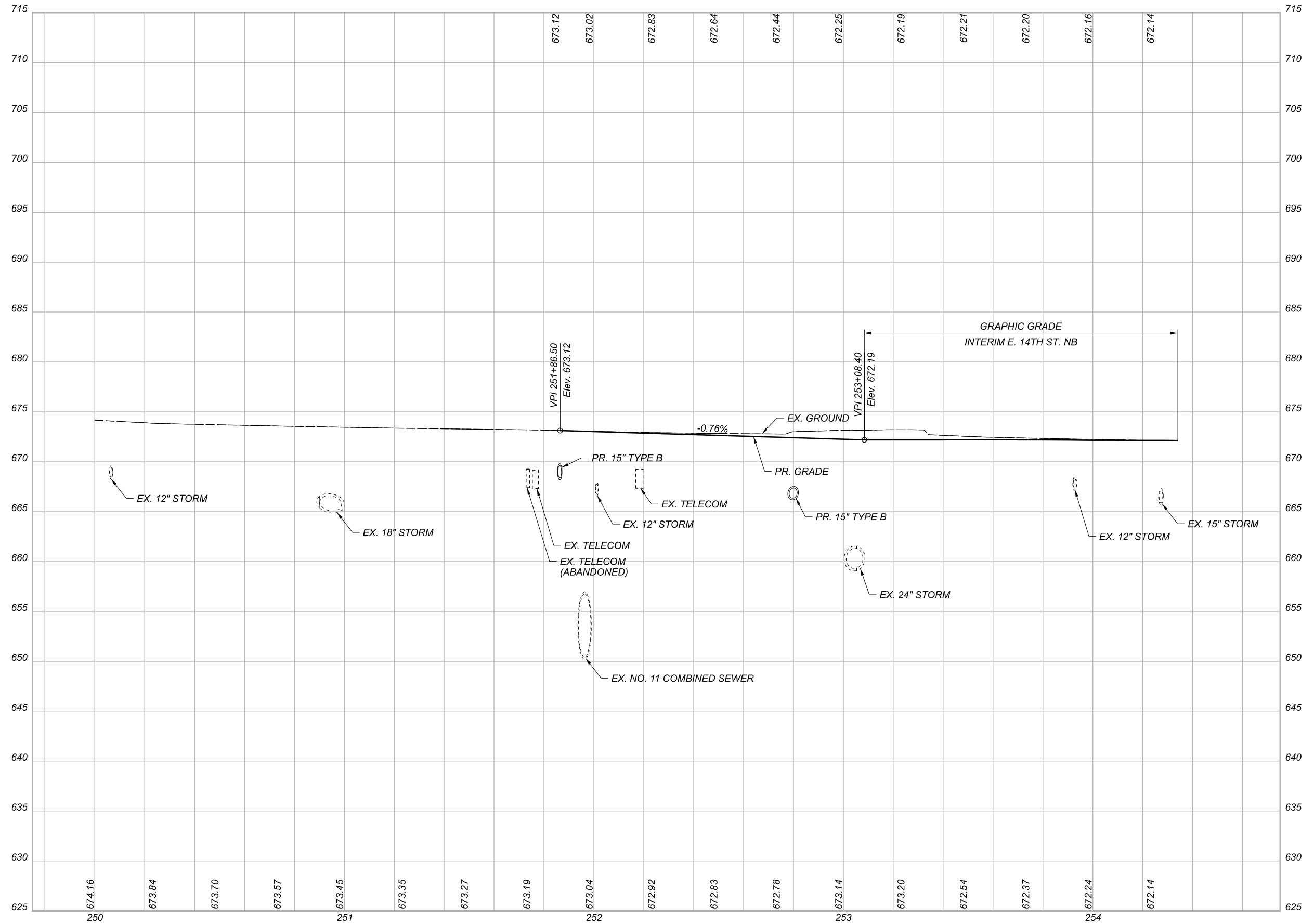
STA. 254+33.81, @ INTERIM E. 14TH ST. NB CROSSOVER =  
 STA. 299+54.63, @ INTERIM E. 14TH ST. NB

@ INTERIM E. 14TH ST. NB  
 @ INTERIM E. 14TH ST. SB



PLAN - E. 14TH ST. NB CROSSOVER  
 BEGIN TO END

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	472
TOTAL	2339



PROFILE - E. 14TH ST. NB CROSSOVER  
 BEGIN TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

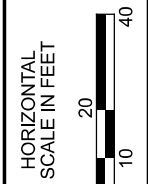
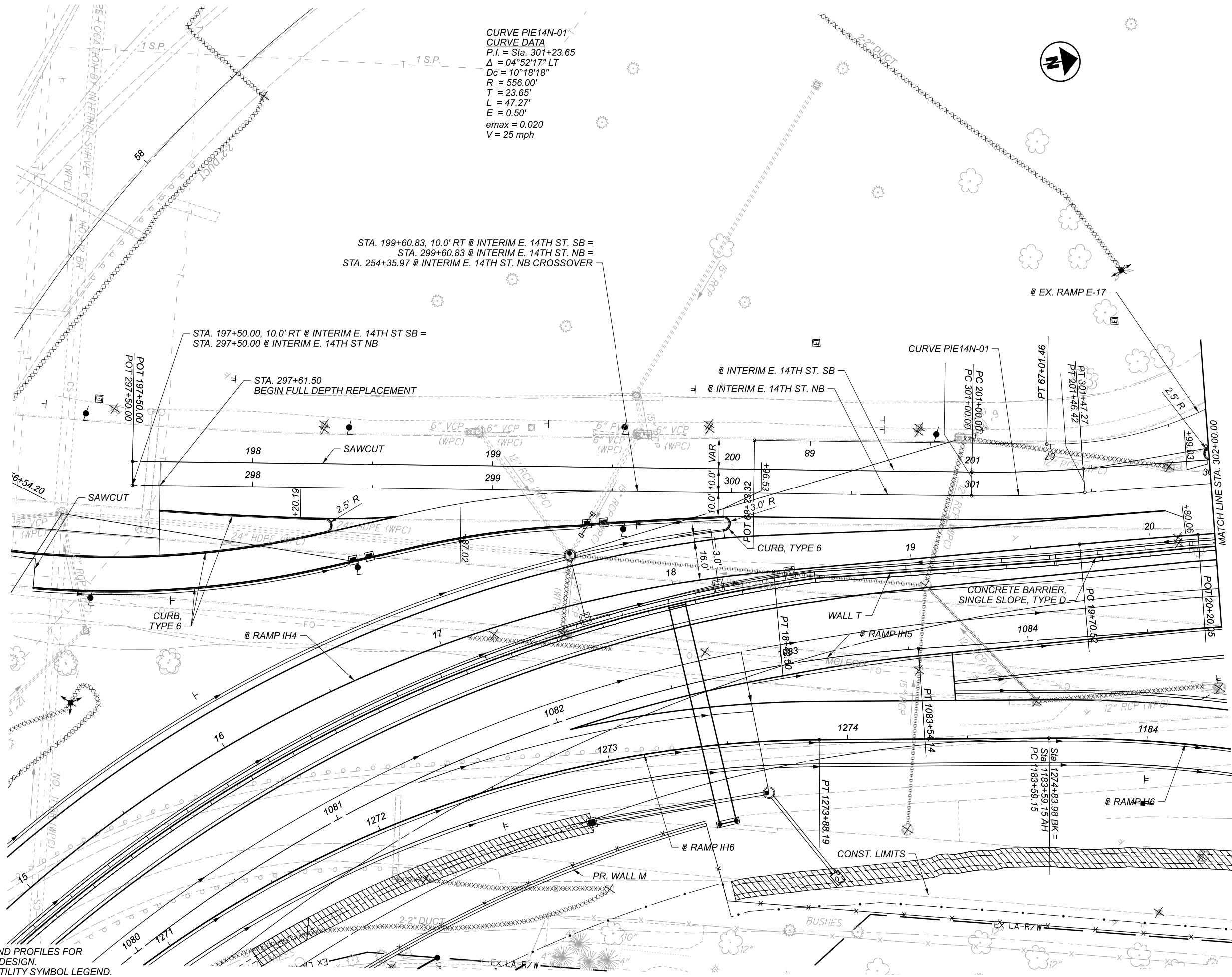
REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
473	2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - INTERIM E. 14TH ST. NB  
 BEGIN TO STA. 302+00.00

DESIGN AGENCY

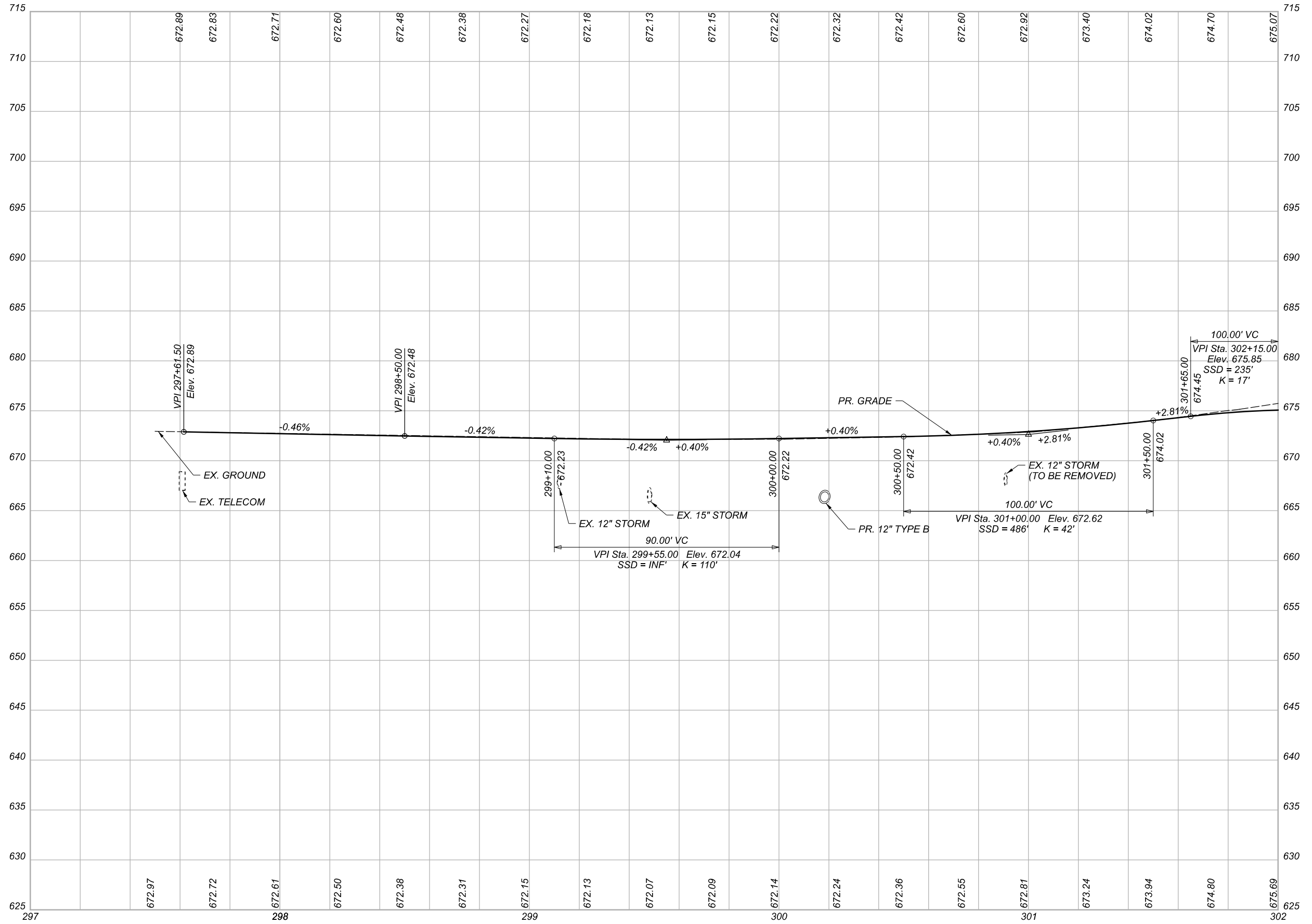
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET TOTAL  
474 2339



PROFILE - INTERIM E. 14TH ST. NB  
 BEGIN TO STA. 302+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
475	2339

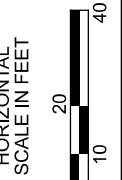
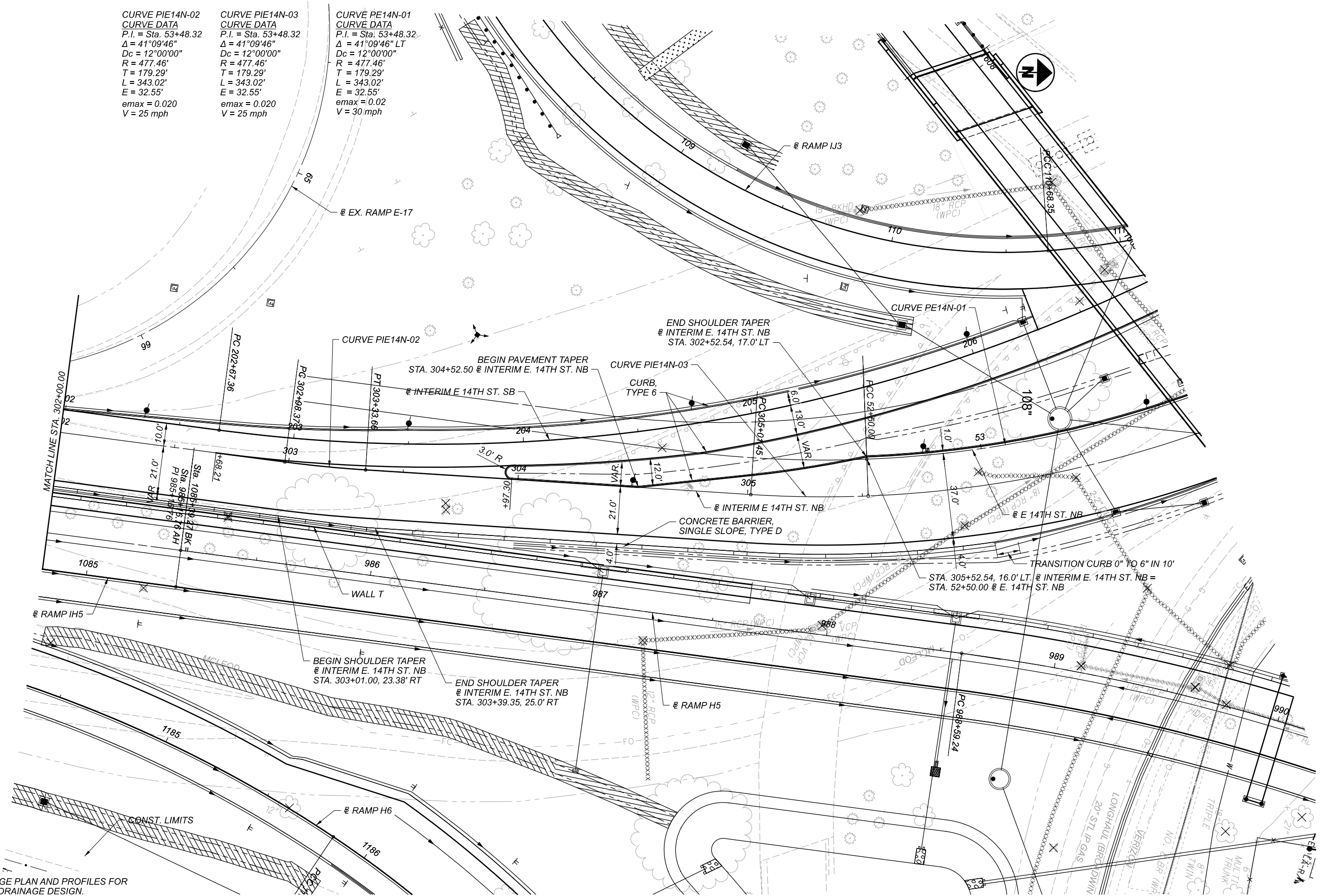
CURVE PIE14N-02  
CURVE DATA  
P.I. = Sta. 53+48.32  
 $\Delta = 41^{\circ}09'46''$   
Dc =  $12^{\circ}00'00''$   
R = 477.46'  
T = 179.29'  
L = 343.02'  
E = 32.55'  
emax = 0.020  
V = 25 mph

CURVE PIE14N-03  
CURVE DATA  
P.I. = Sta. 53+48.32  
 $\Delta = 41^{\circ}09'46''$   
Dc =  $12^{\circ}00'00''$   
R = 477.46'  
T = 179.29'  
L = 343.02'  
E = 32.55'  
emax = 0.020  
V = 25 mph

CURVE PE14N-01  
CURVE DATA  
P.I. = Sta. 53+48.32  
 $\Delta = 41^{\circ}09'46''$  LT  
Dc =  $12^{\circ}00'00''$   
R = 477.46'  
T = 179.29'  
L = 343.02'  
E = 32.55'  
emax = 0.02  
V = 30 mph

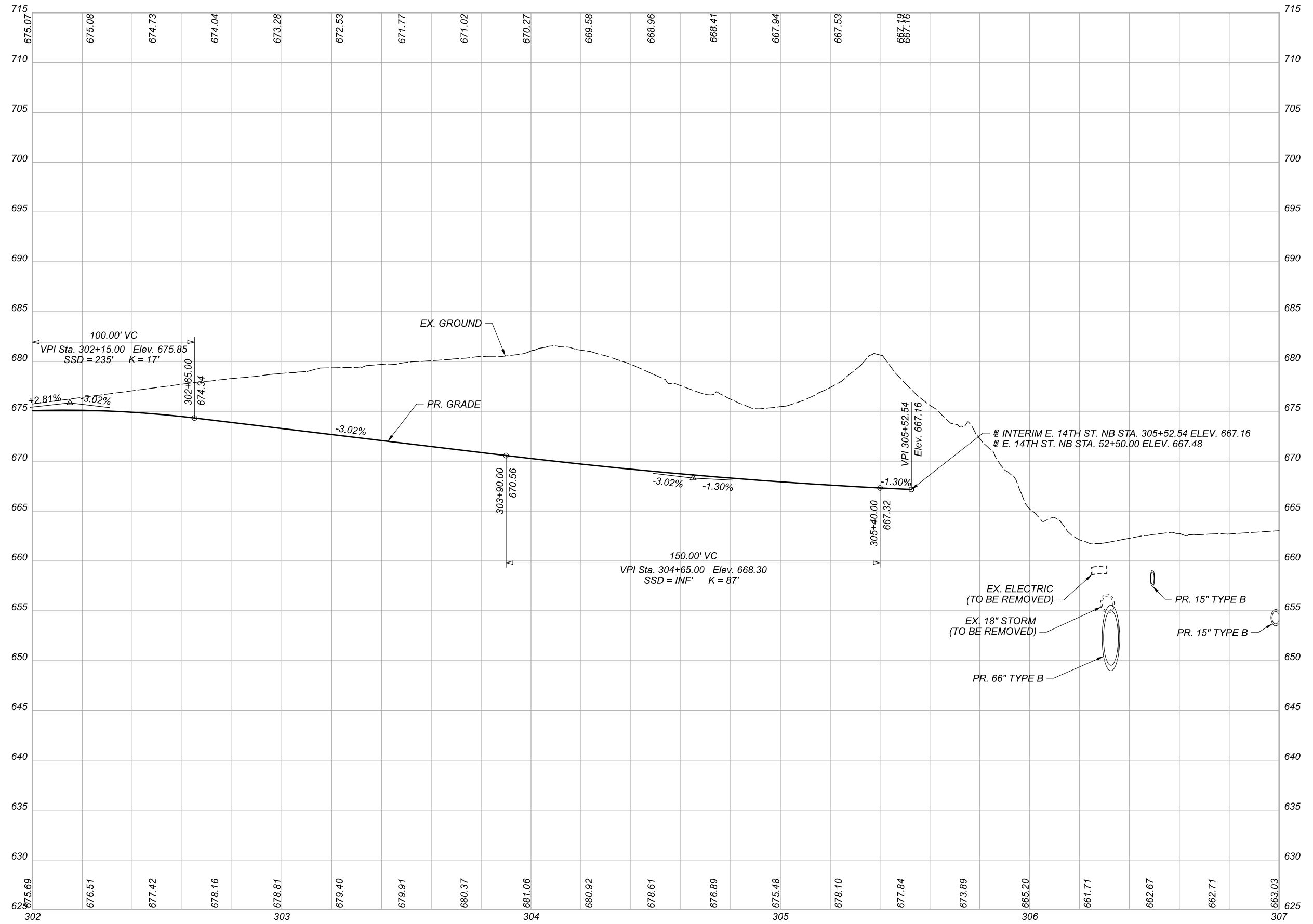
NOTES

- 1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
- 2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - INTERIM E. 14TH ST. NB  
STA. 302+00.00 TO END

DESIGN AGENCY	<b>Michael Baker INTERNATIONAL</b>
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	476
TOTAL	2339



PROFILE - INTERIM E. 14TH ST. NB  
 STA. 302+00.00 TO END

DESIGN AGENCY

Michael Baker  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
477	2339

CURVE PE14N-01  
 CURVE DATA  
 P.I. = Sta. 53+84.42  
 $\Delta = 31^{\circ}26'49''$  LT  
 $D_c = 12^{\circ}00'00''$   
 $R = 477.46'$   
 $T = 134.42'$   
 $L = 262.06'$   
 $E = 18.56'$   
 $e_{max} = 0.020$   
 $V = 25$  mph

STRUCTURE NO. 12  
 CUY-90-1652S  
 SFN 1807806



PLAN - E. 14TH ST. NB  
 BEGIN TO STA. 55+00.00

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY

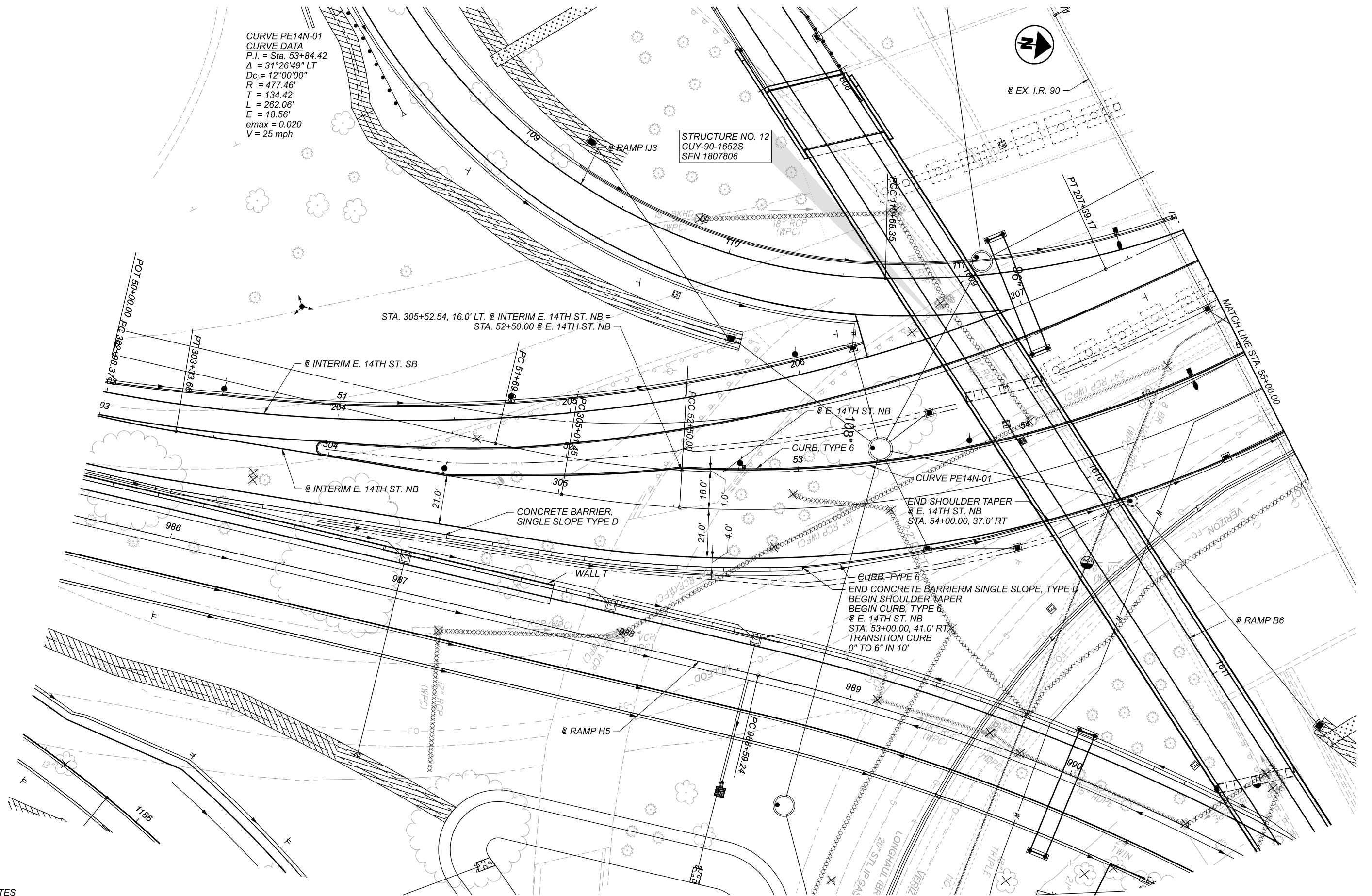
Michael Baker  
 INTERNATIONAL

DESIGNER

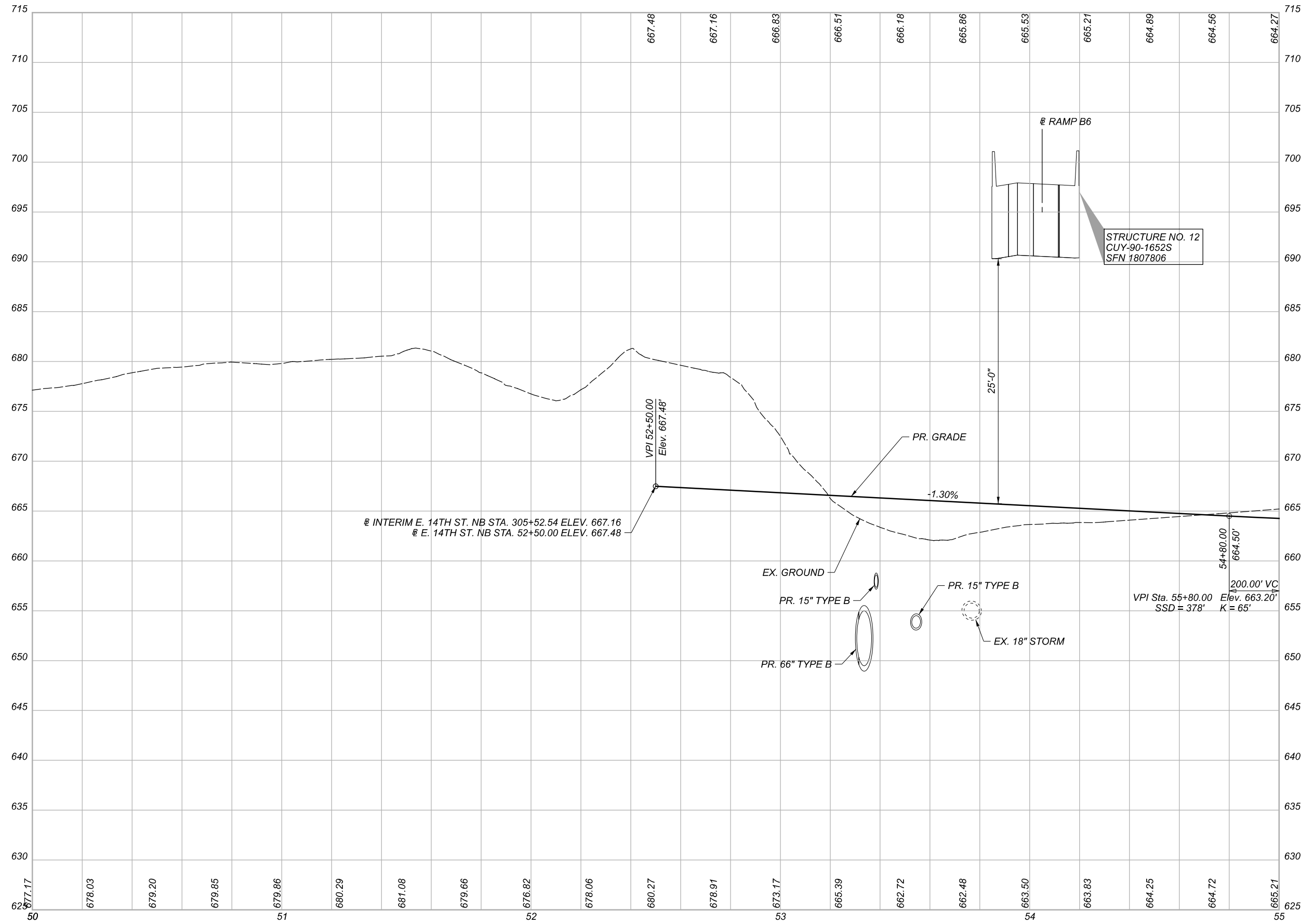
REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
478	2339







PROFILE - E. 14TH ST. NB  
 BEGIN TO STA. 55+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

SHEET TOTAL

479 2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

END PAVEMENT TAPER  
 @ E. 14TH ST. NB  
 STA. 55+69.47, 12.0' LT

BEGIN PAVEMENT TAPER  
 @ E. 14TH ST. NB  
 STA. 55+19.73, 1.0' LT

STRUCTURE NO. 11  
 CUY-90-1653R  
 SFN 1807804

BEGIN PAVEMENT TAPER  
 @ E. 14TH ST. NB  
 STA. 55+81.70, 37.0' RT

STRUCTURE NO. 9  
 CUY-77-1587  
 SFN 1806910

INTERIM  
 @ 14TH ST. SB

STA. 56+22.61 @ E. 14TH ST. NB =  
 STA. 20+00.00, 12.0' RT. @ E. 18TH ST.

CURB,  
 TYPE 6

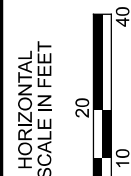
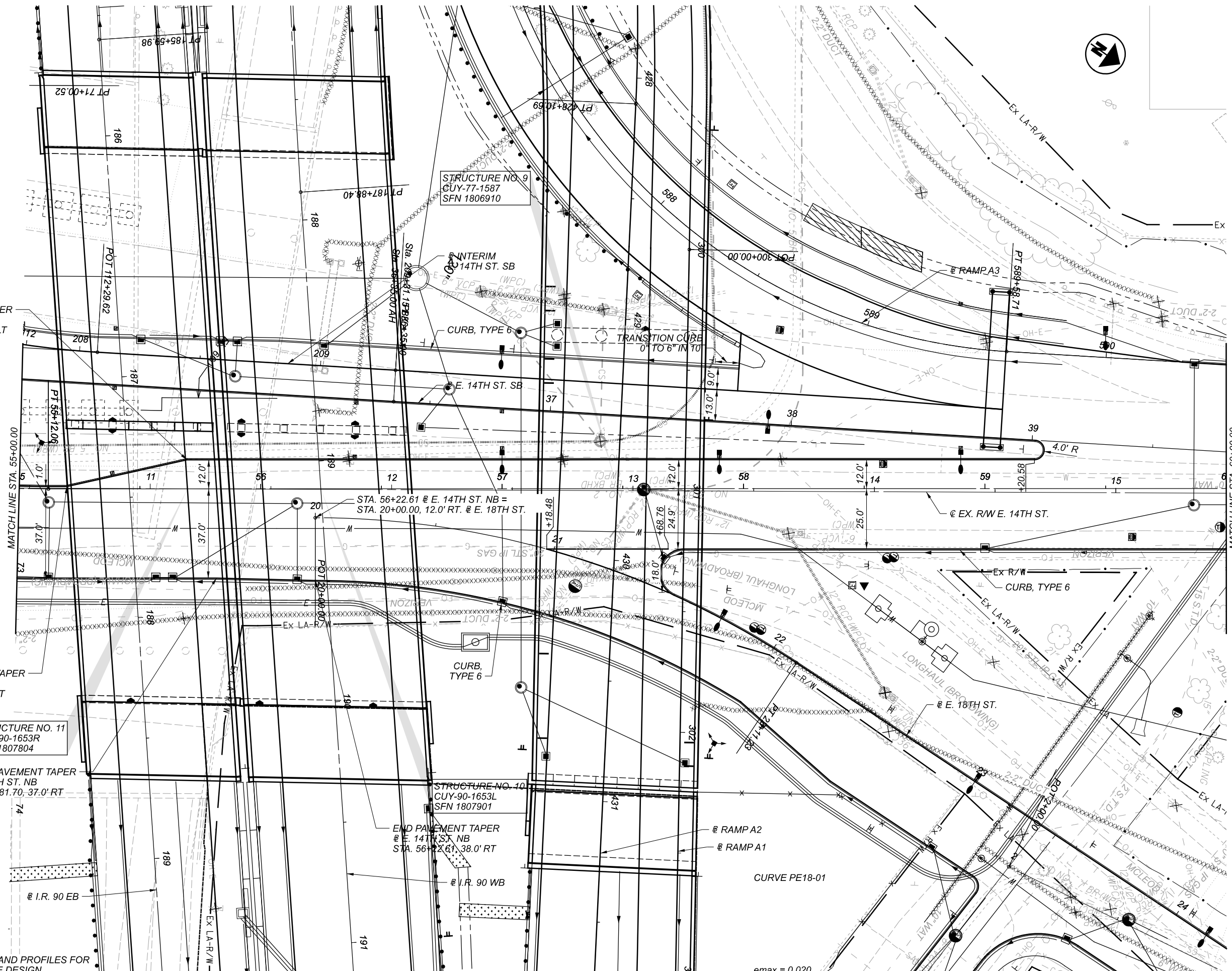
STRUCTURE NO. 10  
 CUY-90-1653L  
 SFN 1807901

END PAVEMENT TAPER  
 @ E. 14TH ST. NB  
 STA. 56+22.61, 38.0' RT

@ I.R. 90 WB

CURVE PE18-01

emax = 0.020  
 V = 40 mph



PLAN - E. 14TH ST. NB  
 STA. 55+00.00 TO STA. 60+00.00

DESIGN AGENCY

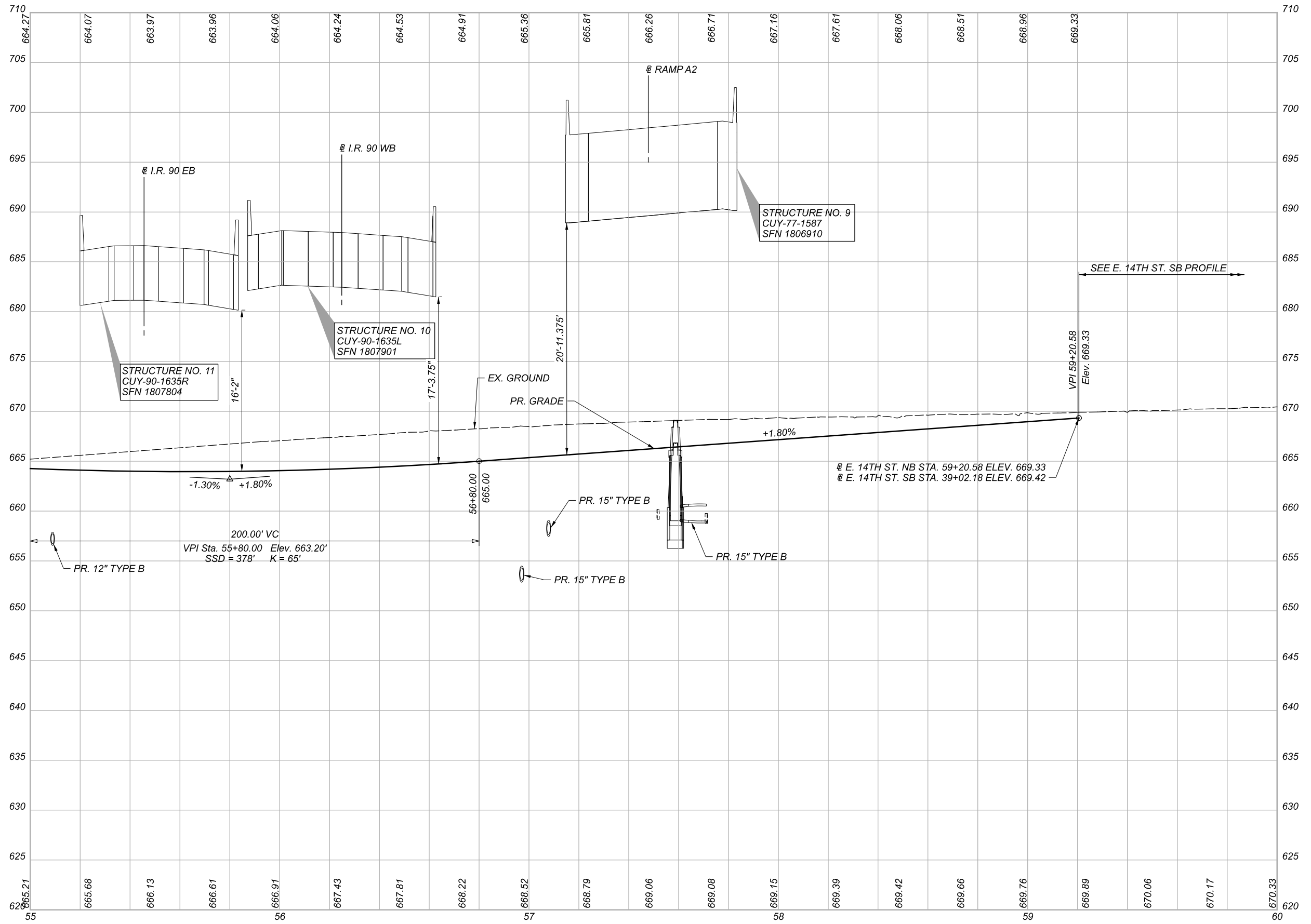
Michael Baker  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
480	2339



PROFILE - E. 14TH ST. NB  
 STA. 55+00.00 TO STA. 60+00.00

DESIGN AGENCY

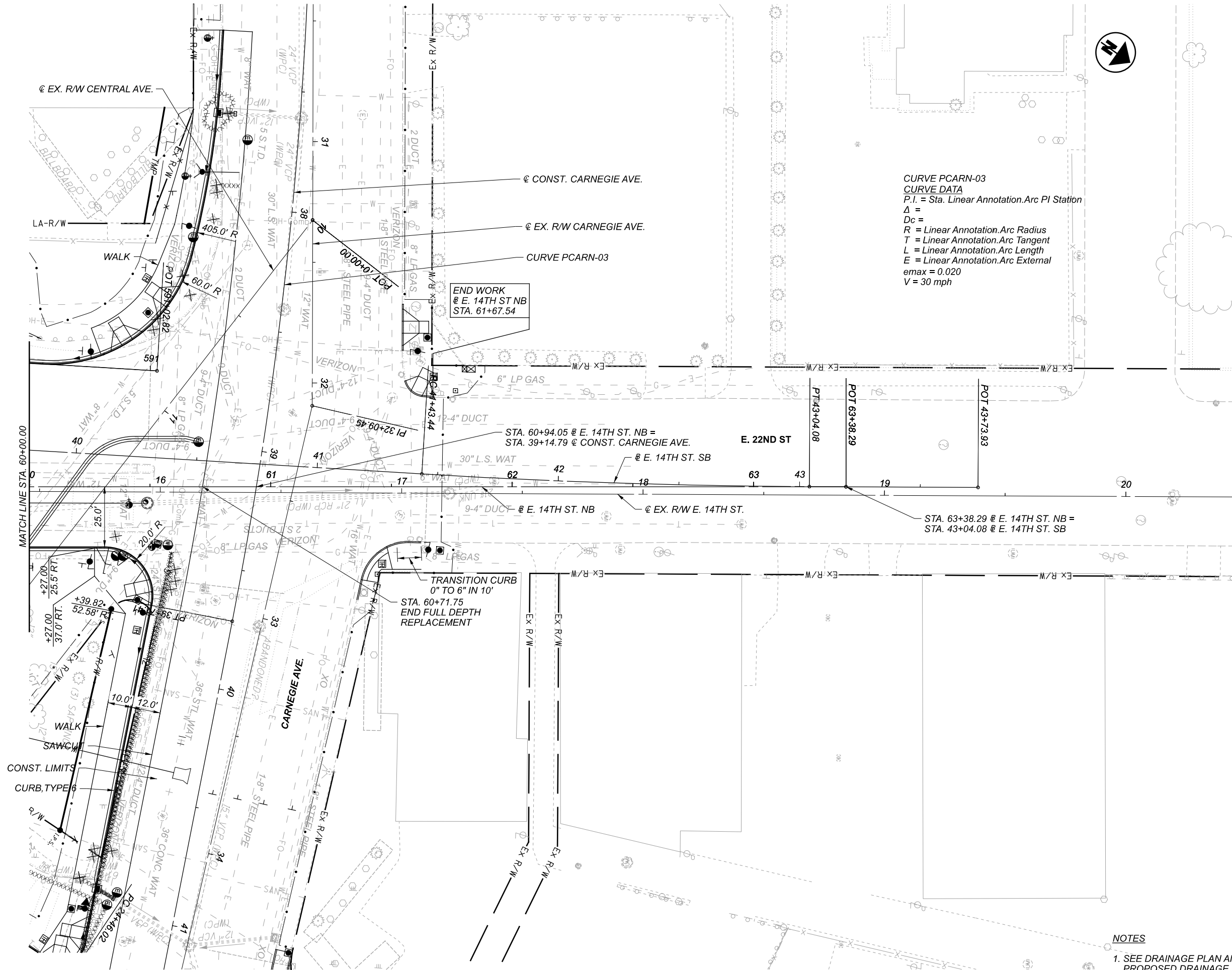
**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
481	2339



**CURVE PCARN-03**  
**CURVE DATA**  
 P.I. = Sta. Linear Annotation.Arc PI Station  
 $\Delta$  =  
 $D_c$  =  
 $R$  = Linear Annotation.Arc Radius  
 $T$  = Linear Annotation.Arc Tangent  
 $L$  = Linear Annotation.Arc Length  
 $E$  = Linear Annotation.Arc External  
 $e_{max} = 0.020$   
 $V = 30$  mph

END WORK  
 @ E. 14TH ST NB  
 STA. 61+67.54

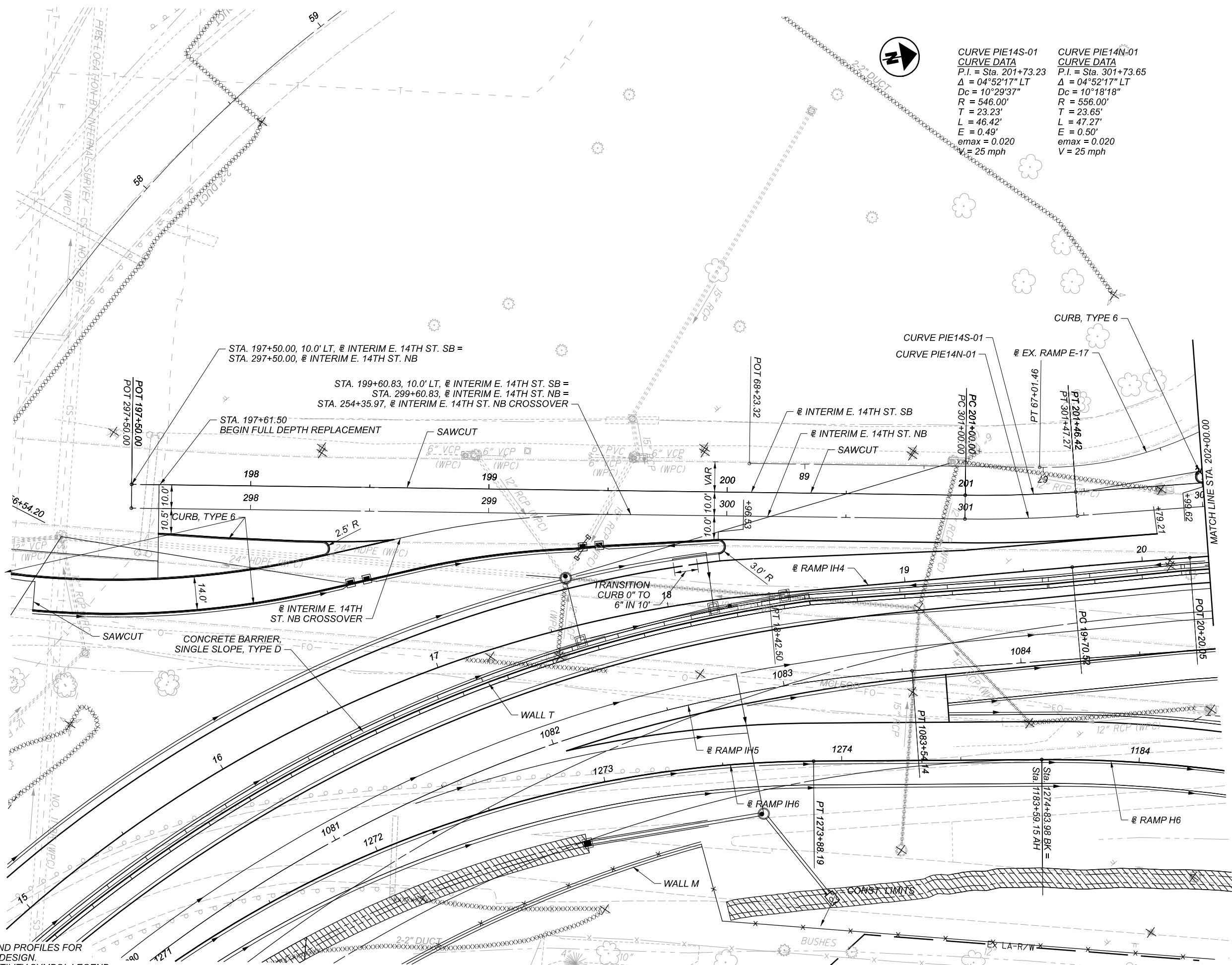
TRANSITION CURB  
 0" TO 6" IN 10"  
 STA. 60+71.75  
 END FULL DEPTH  
 REPLACEMENT



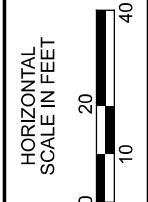
**PLAN - E. 14TH ST. NB**  
**STA. 60+00.00 TO END**

- NOTES**
- SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  - SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	482 2339



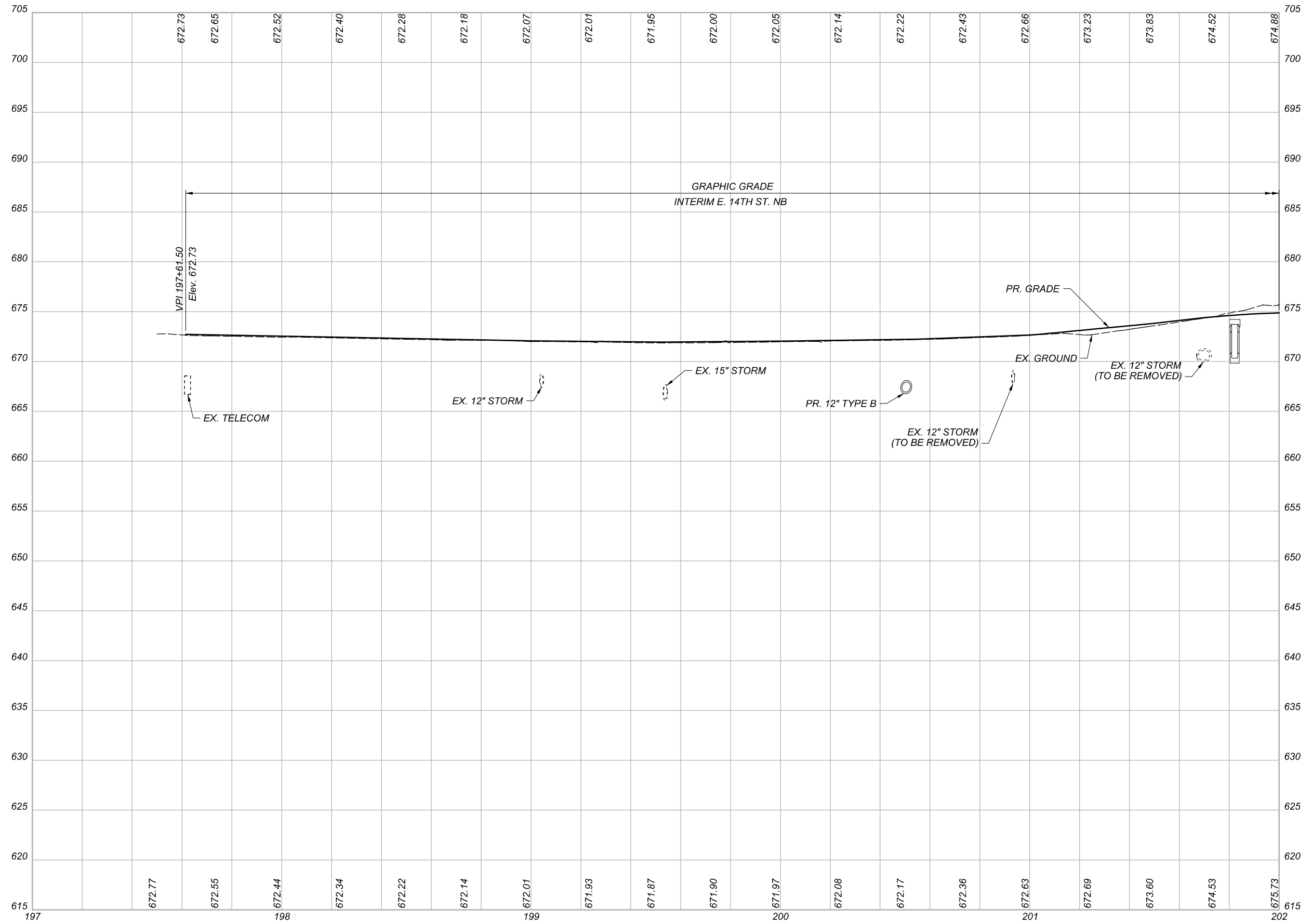
CURVE PIE14S-01 CURVE DATA	CURVE PIE14N-01 CURVE DATA
P.I. = Sta. 201+73.23	P.I. = Sta. 301+73.65
$\Delta = 04^{\circ}52'17''$ LT	$\Delta = 04^{\circ}52'17''$ LT
$D_c = 10^{\circ}29'37''$	$D_c = 10^{\circ}18'18''$
R = 546.00'	R = 556.00'
T = 23.23'	T = 23.65'
L = 46.42'	L = 47.27'
E = 0.49'	E = 0.50'
$e_{max} = 0.020$	$e_{max} = 0.020$
V = 25 mph	V = 25 mph



PLAN - INTERIM E. 14TH ST. SB  
 BEGIN TO STA. 202+00.00

- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	483
TOTAL	2339



PROFILE - INTERIM E. 14TH ST. SB  
 BEGIN TO STA. 202+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

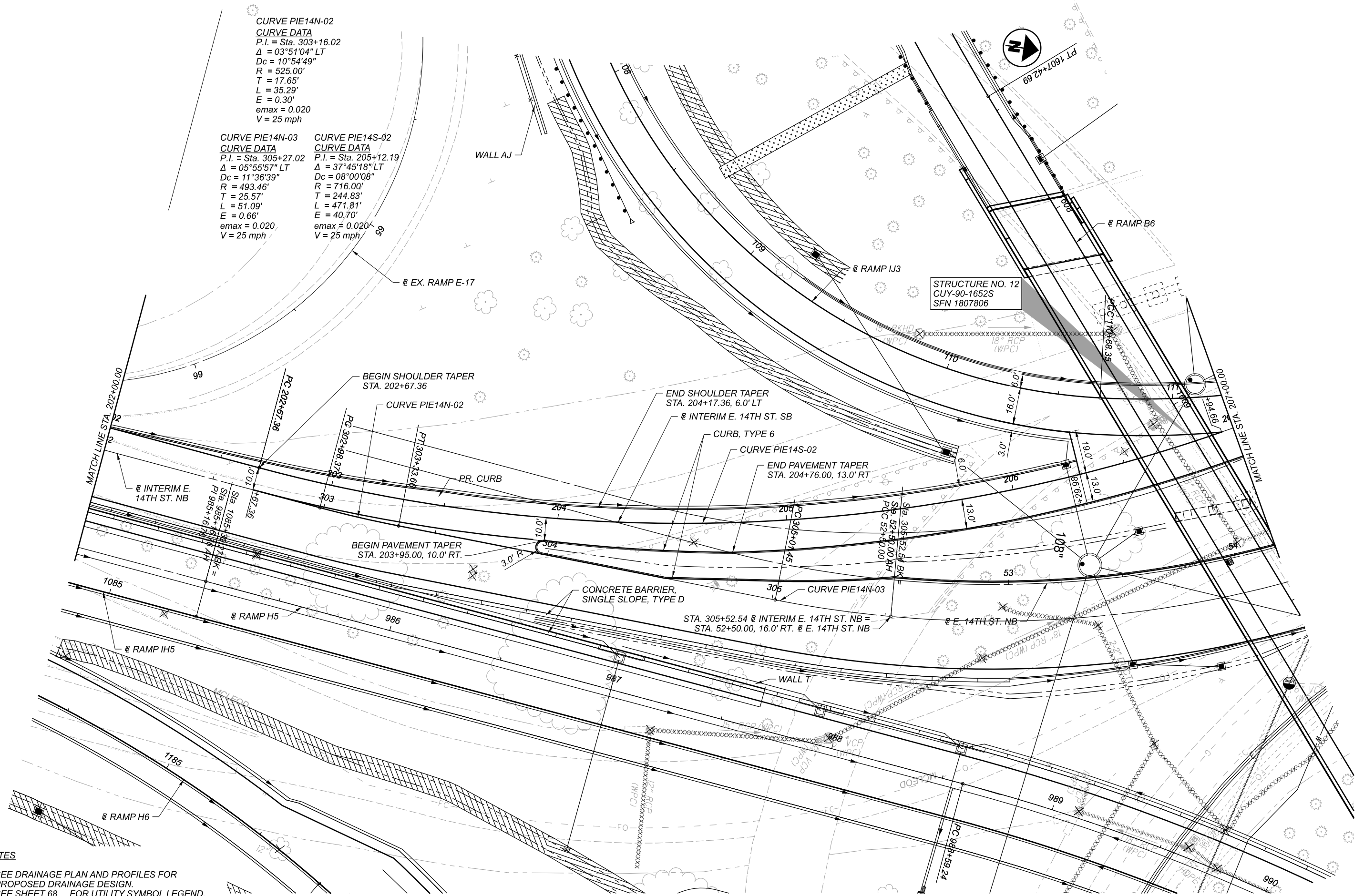
REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
484	2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

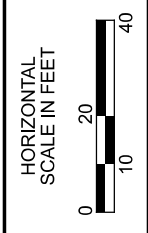


**CURVE PIE14N-02**  
 CURVE DATA  
 P.I. = Sta. 303+16.02  
 $\Delta = 03^{\circ}51'04''$  LT  
 $Dc = 10^{\circ}54'49''$   
 $R = 525.00'$   
 $T = 17.65'$   
 $L = 35.29'$   
 $E = 0.30'$   
 $emax = 0.020$   
 $V = 25$  mph

**CURVE PIE14S-02**  
 CURVE DATA  
 P.I. = Sta. 205+12.19  
 $\Delta = 37^{\circ}45'18''$  LT  
 $Dc = 08^{\circ}00'08''$   
 $R = 716.00'$   
 $T = 244.83'$   
 $L = 471.81'$   
 $E = 40.70'$   
 $emax = 0.020$   
 $V = 25$  mph

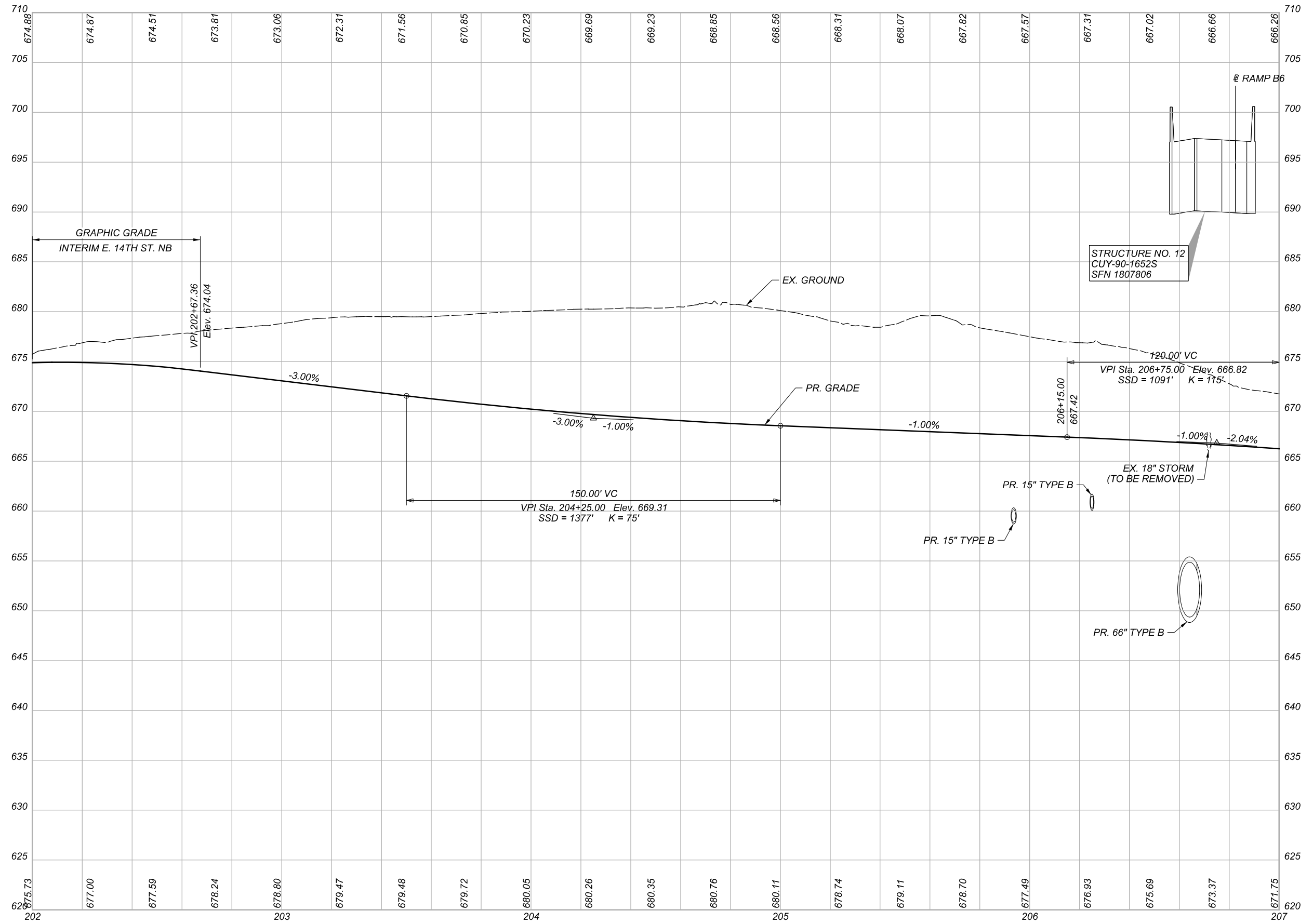
**CURVE PIE14N-03**  
 CURVE DATA  
 P.I. = Sta. 305+27.02  
 $\Delta = 05^{\circ}55'57''$  LT  
 $Dc = 11^{\circ}36'39''$   
 $R = 493.46'$   
 $T = 25.57'$   
 $L = 51.09'$   
 $E = 0.66'$   
 $emax = 0.020$   
 $V = 25$  mph

**CURVE PIE14S-03**  
 CURVE DATA  
 P.I. = Sta. 202+67.36  
 $\Delta = 08^{\circ}00'08''$   
 $R = 716.00'$   
 $T = 244.83'$   
 $L = 471.81'$   
 $E = 40.70'$   
 $emax = 0.020$   
 $V = 25$  mph



PLAN - INTERIME E. 14TH ST. SB  
 STA. 202+00.00 TO STA. 207+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	485
TOTAL	2339



PROFILE - INTERIM E. 14TH ST. SB  
 STA. 202+00.00 TO STA. 207+00.00

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	486
TOTAL	2339

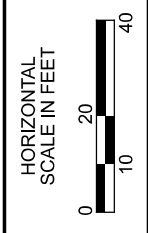


**CURVE PIE14S-02**  
 CURVE DATA  
 P.I. = Sta. 205+12.19  
 $\Delta = 37^\circ 45' 18''$  LT  
 $D_c = 08' 00'' 08''$   
 $R = 716.00'$   
 $T = 244.83'$   
 $L = 471.81'$   
 $E = 40.70'$   
 $emax = 0.020$   
 $V = 25$  mph

**CURVE PIJ3-05**  
 CURVE DATA  
 P.I. = Sta. 111+50.37  
 $\Delta = 25^\circ 48' 24''$  LT  
 $D_c = 16' 00'' 08''$   
 $R = 358.05'$   
 $T = 82.03'$   
 $L = 161.27'$   
 $E = 9.28'$   
 $emax = 0.020$   
 $V = 30$  mph

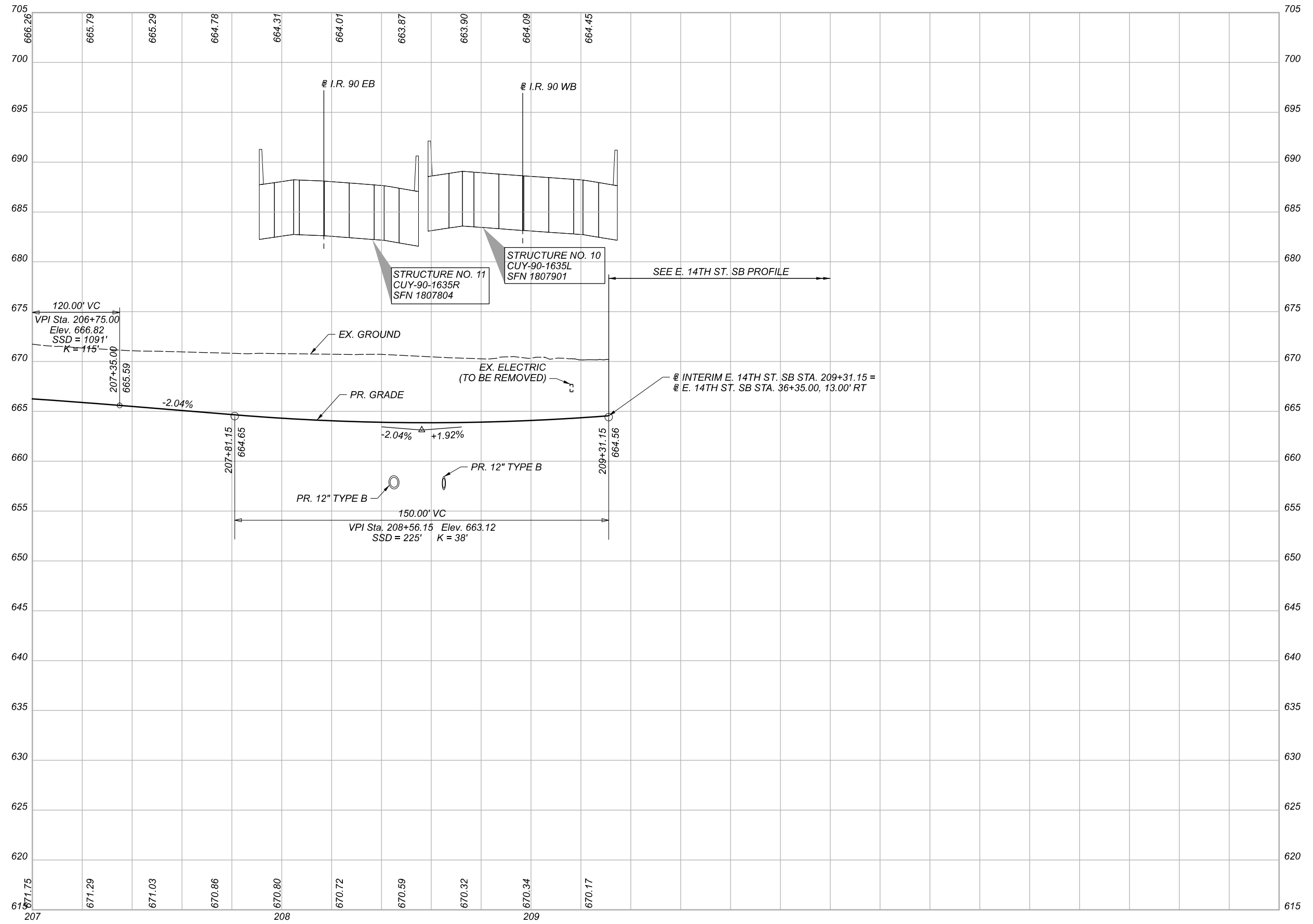


- NOTES**
1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
  2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - INTERIM E. 14TH ST. SB**  
**STA. 207+00.00 TO END**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	487
TOTAL	2339



PROFILE - INTERIM E. 14TH ST. SB  
 STA. 207+00.00 TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
488	2339

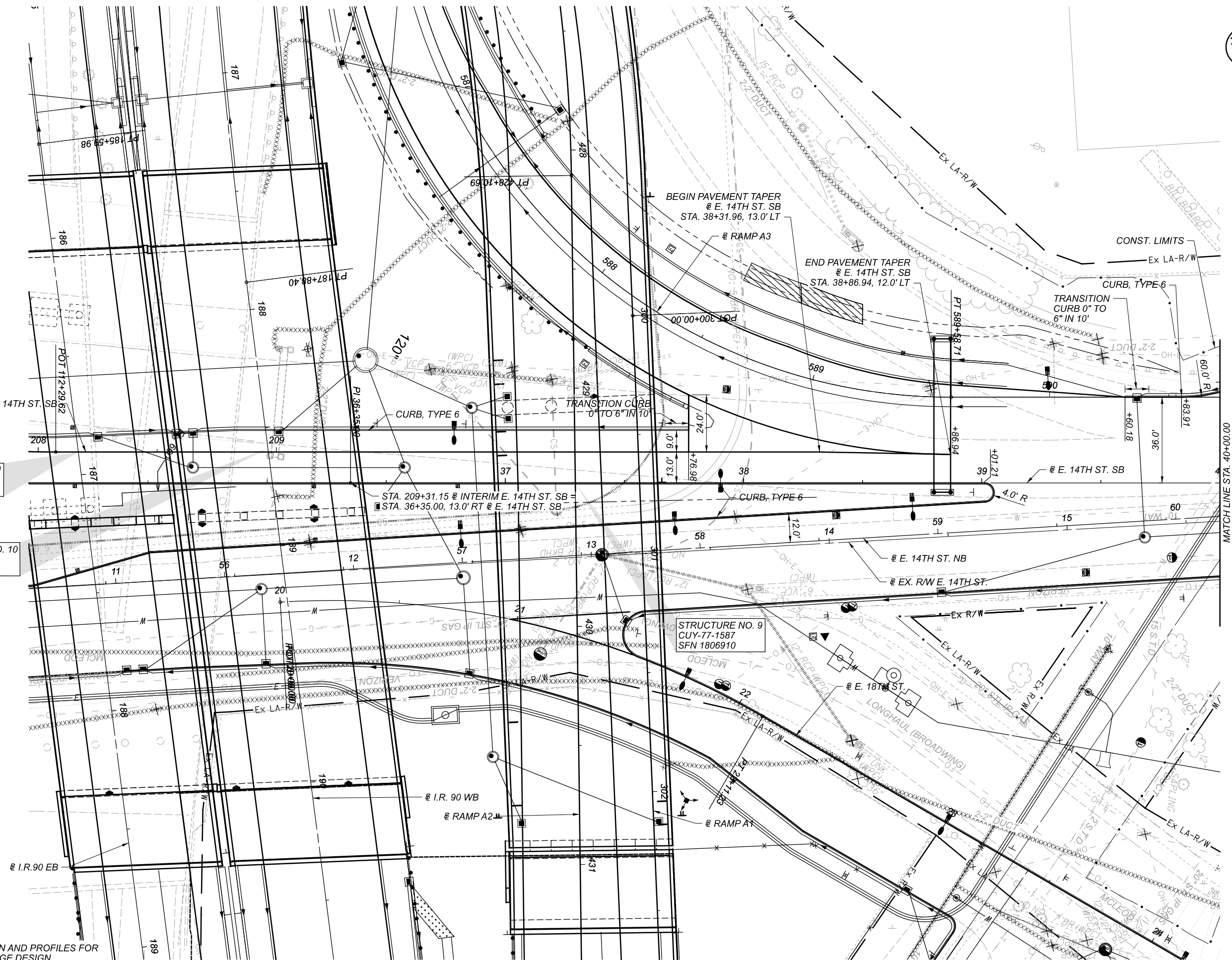
NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.

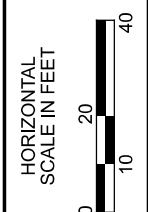
STRUCTURE NO. 11  
CUY-90-1653R  
SFN 1807804

STRUCTURE NO. 10  
CUY-90-1653L  
SFN 1807901

STRUCTURE NO. 9  
CUY-77-1587  
SFN 1806910

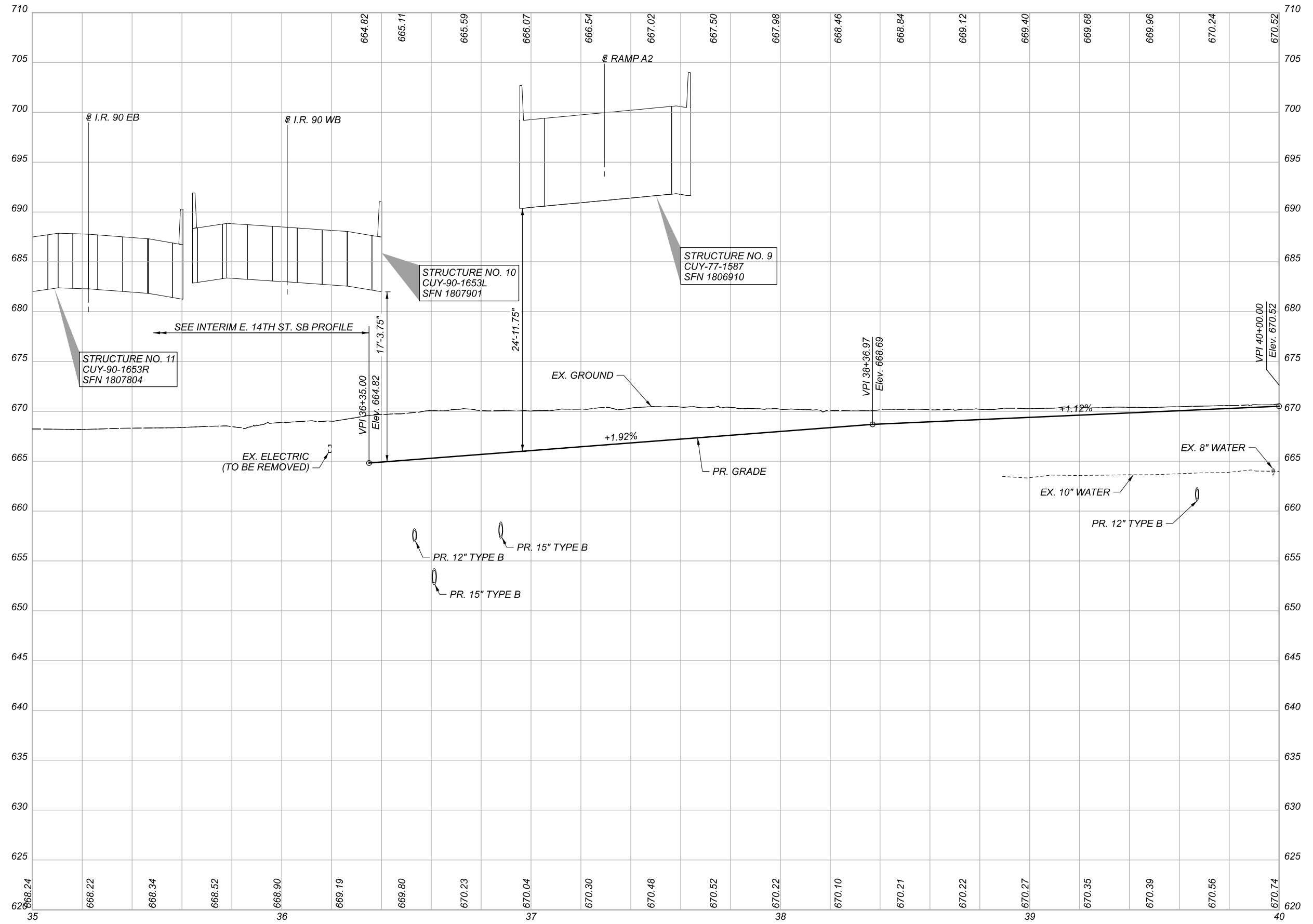


MATCHLINE STA. 40+00.00



PLAN - E. 14TH ST. SB  
BEGIN TO STA. 40+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	489
TOTAL	2339

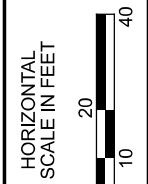
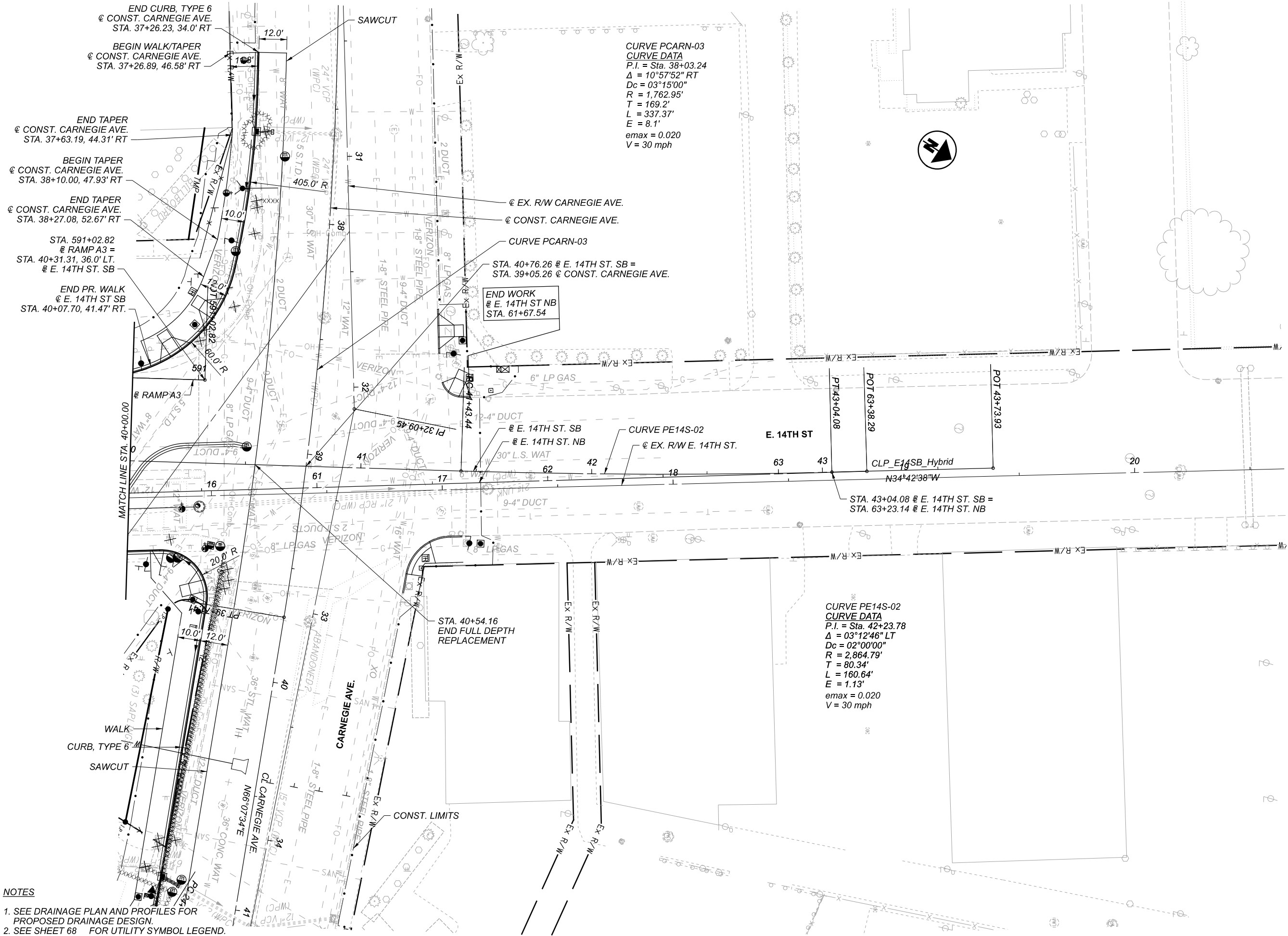


PROFILE - E. 14TH ST. SB  
 BEGIN TO STA. 40+00.00

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	490
TOTAL	2339

**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - E. 14TH ST. SB  
 STA. 40+00.00 TO END**

DESIGN AGENCY

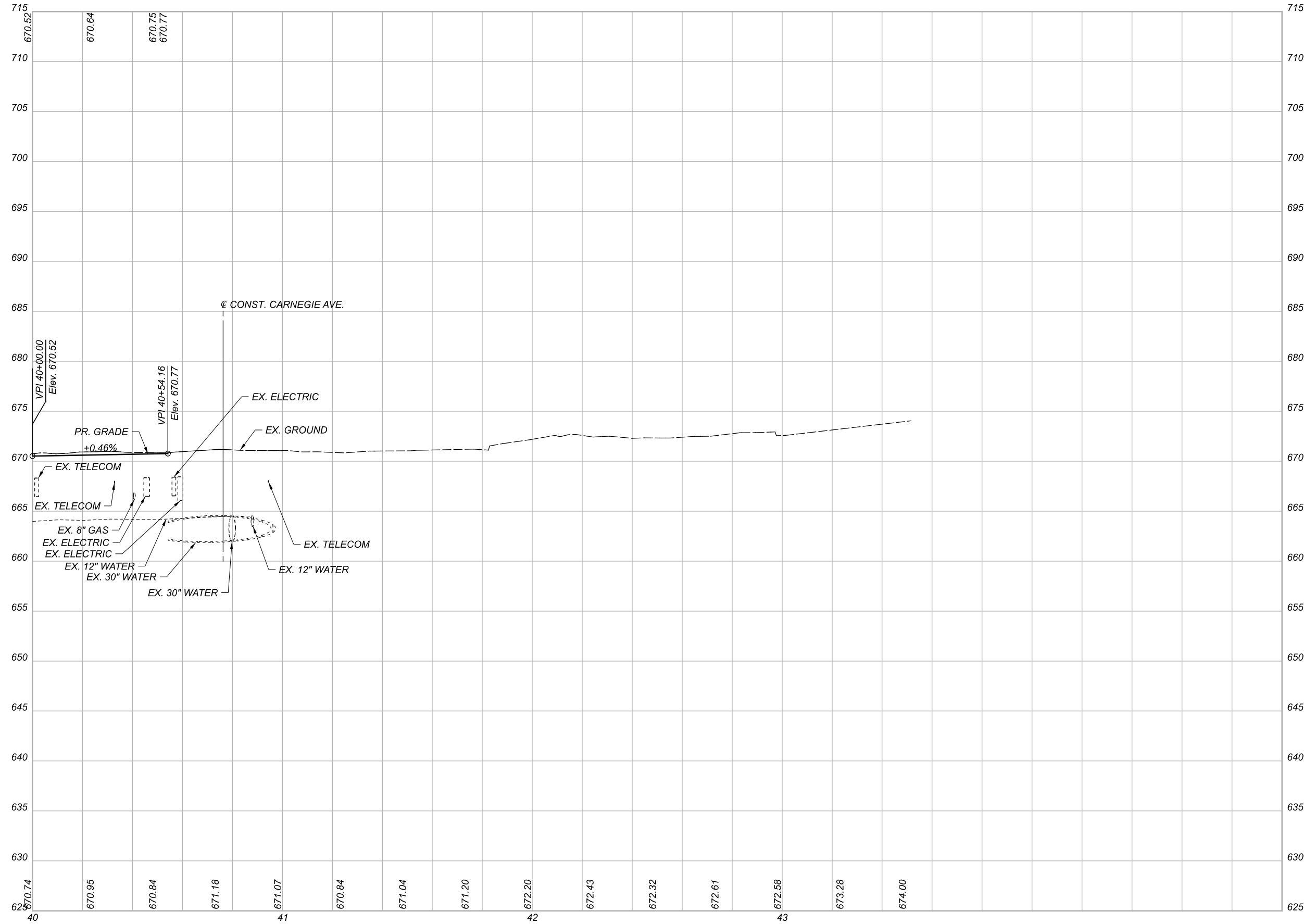
**Michael Baker  
 INTERNATIONAL**

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
491	2339



PROFILE - E. 14TH ST. SB  
 STA. 40+00.00 TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

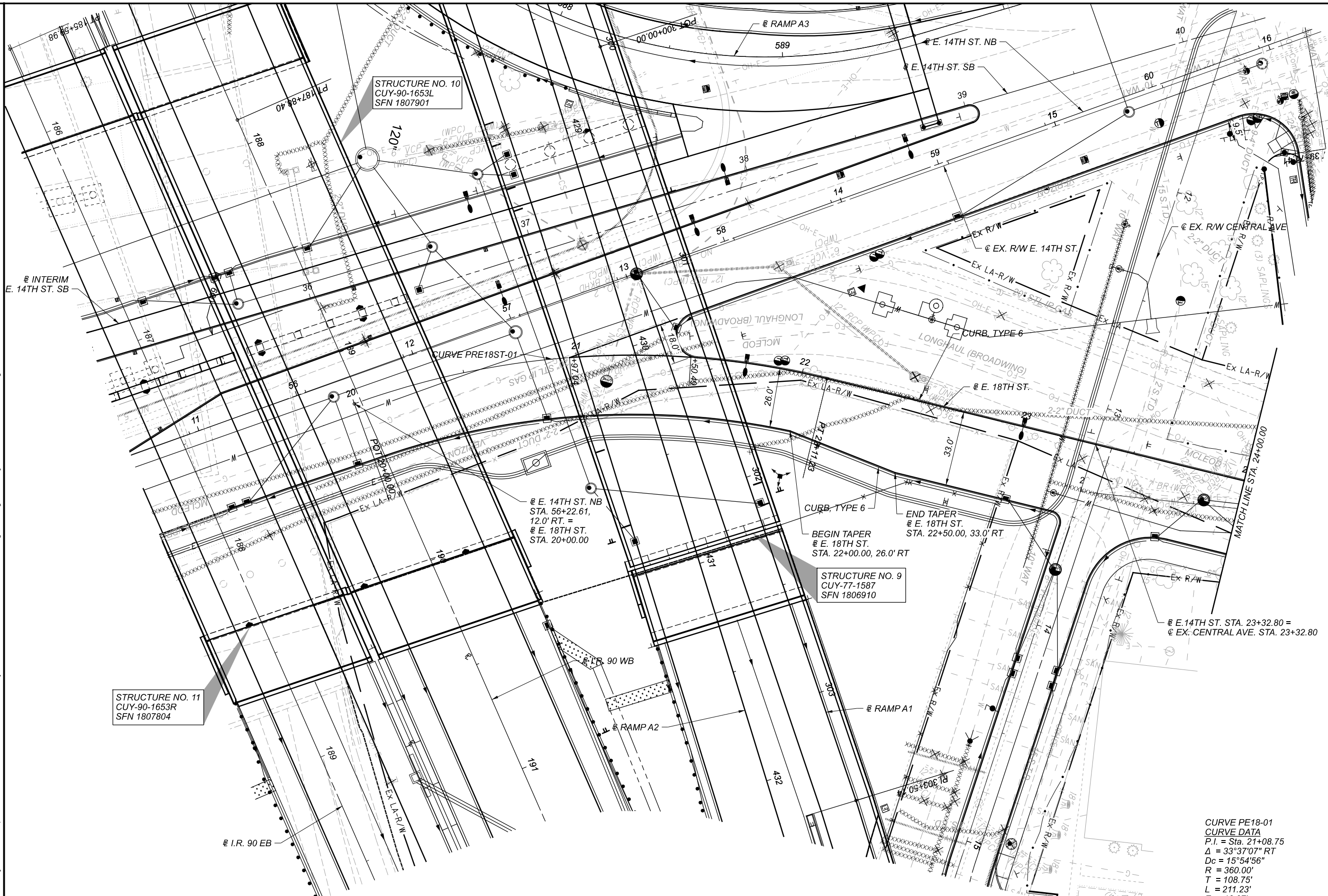
SHEET TOTAL

492 2339



NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



STRUCTURE NO. 11  
CUY-90-1653R  
SFN 1807804

STRUCTURE NO. 10  
CUY-90-1653L  
SFN 1807901

STRUCTURE NO. 9  
CUY-77-1587  
SFN 1806910

CURVE PE18-01  
CURVE DATA  
P.I. = Sta. 21+08.75  
 $\Delta = 33^\circ 37' 07''$  RT  
Dc = 15°54'56"  
R = 360.00'  
T = 108.75'  
L = 211.23'  
E = 16.07'  
emax = 0.020  
V = 40 mph



PLAN - E. 18TH ST.  
BEGIN TO STA. 24+00.00

DESIGN AGENCY

Michael Baker  
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

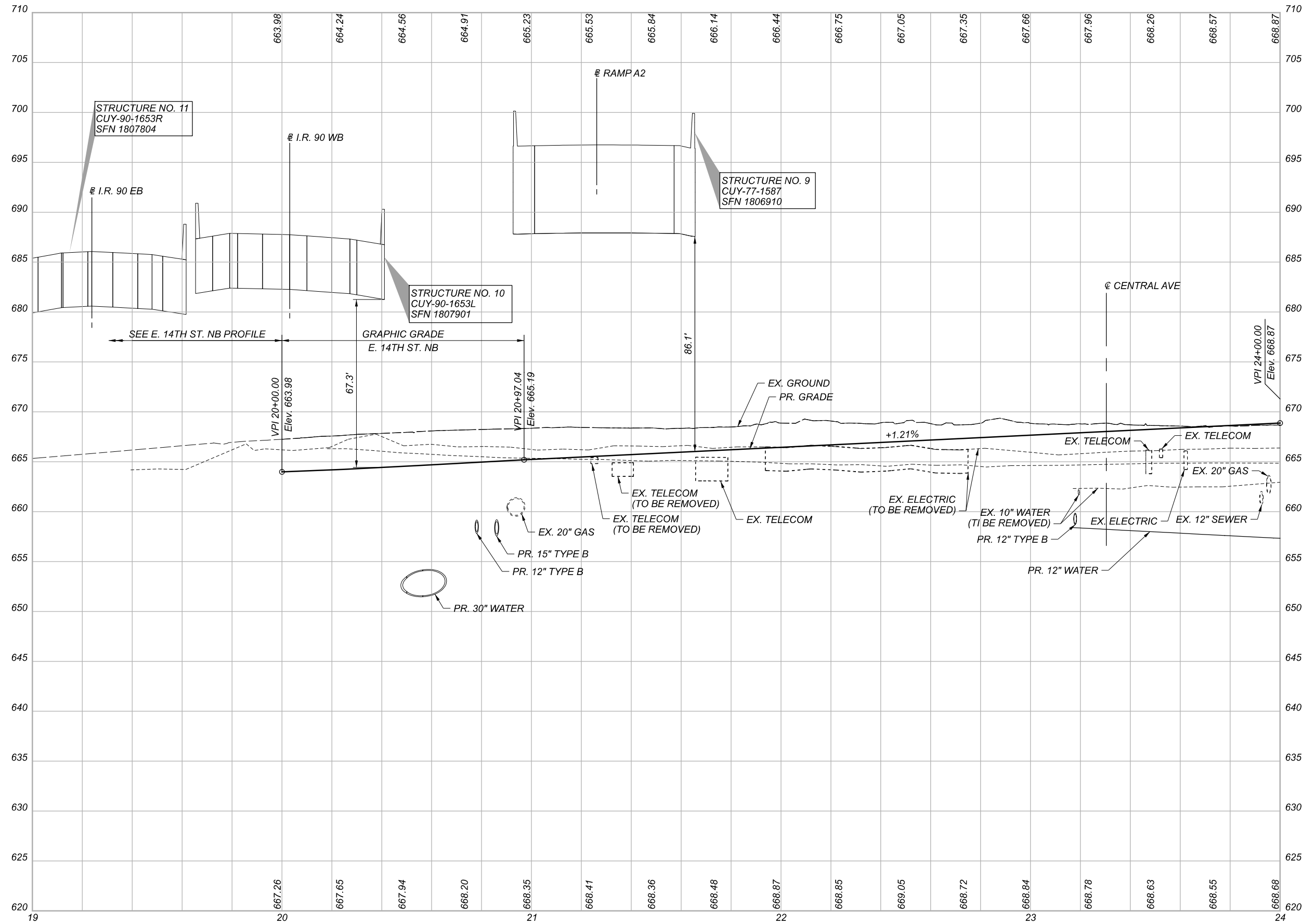
82382

SHEET

493

TOTAL

2339

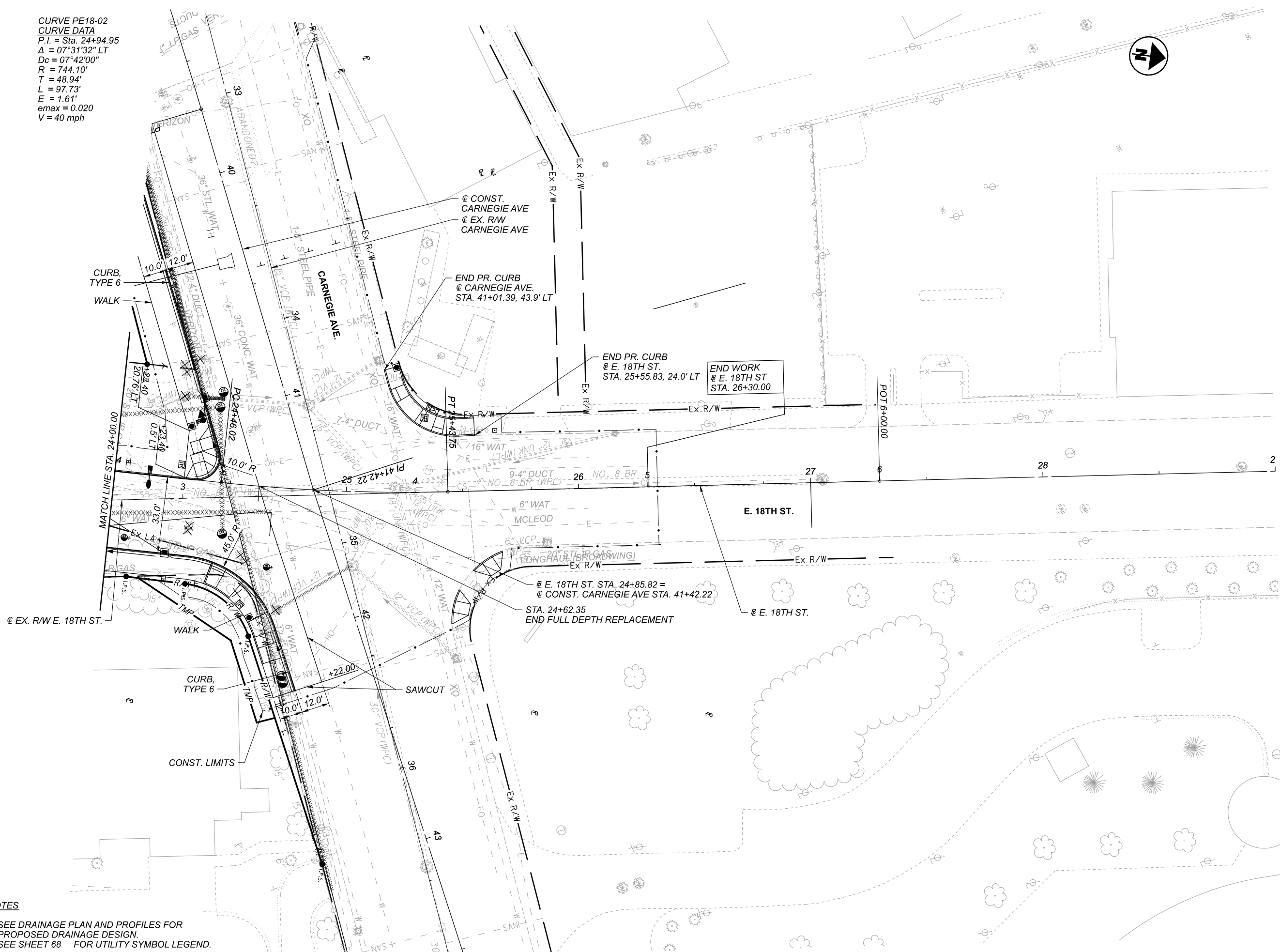


PROFILE - E. 18TH ST.  
 BEGIN TO STA. 24+00.00

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	494
TOTAL	2339

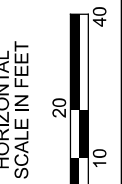


CURVE PE18-02  
 CURVE DATA  
 P.I. = Sta. 24+94.95  
 $\Delta = 07^{\circ}31'32''$  LT  
 $D_c = 07^{\circ}42'00''$   
 $R = 744.10'$   
 $T = 48.94'$   
 $L = 97.73'$   
 $E = 1.61'$   
 $e_{max} = 0.020$   
 $V = 40$  mph



NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - E. 18TH ST.  
 STA. 24+00.00 TO END

DESIGN AGENCY

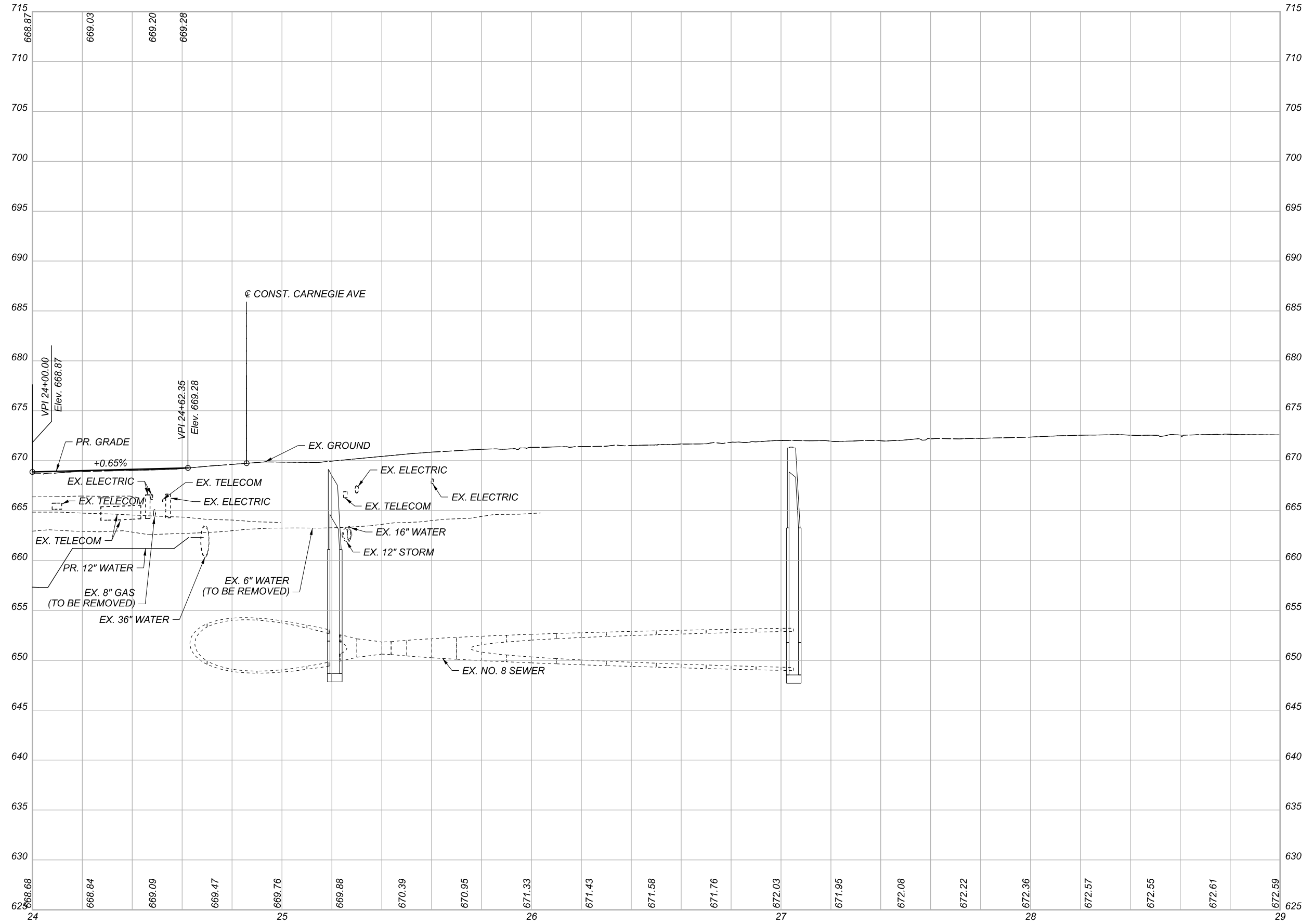
**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
495	2339



PROFILE - E. 18TH ST.  
 STA. 24+00.00 TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

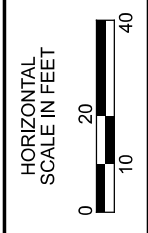
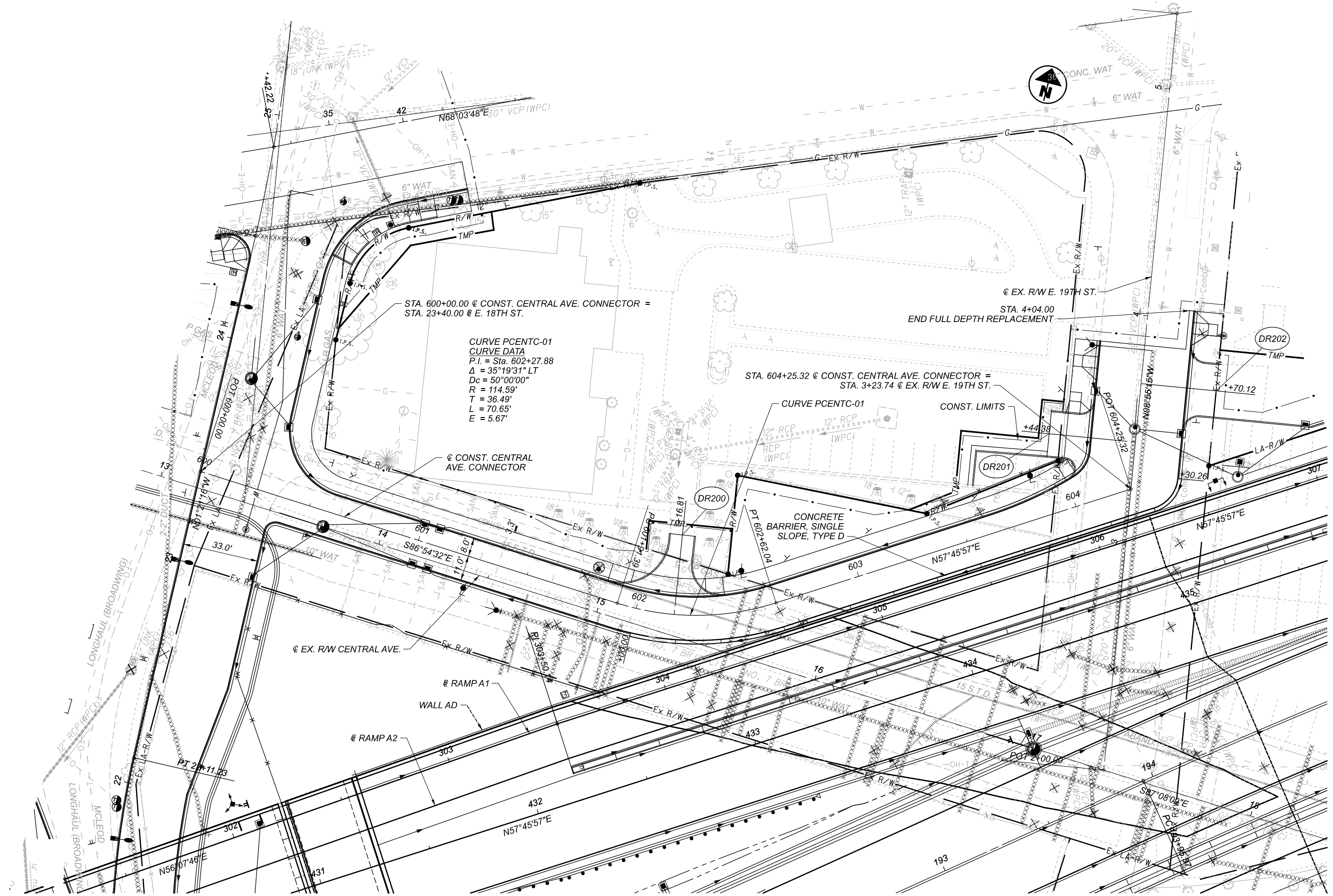
REVIEWER

PROJECT ID

82382

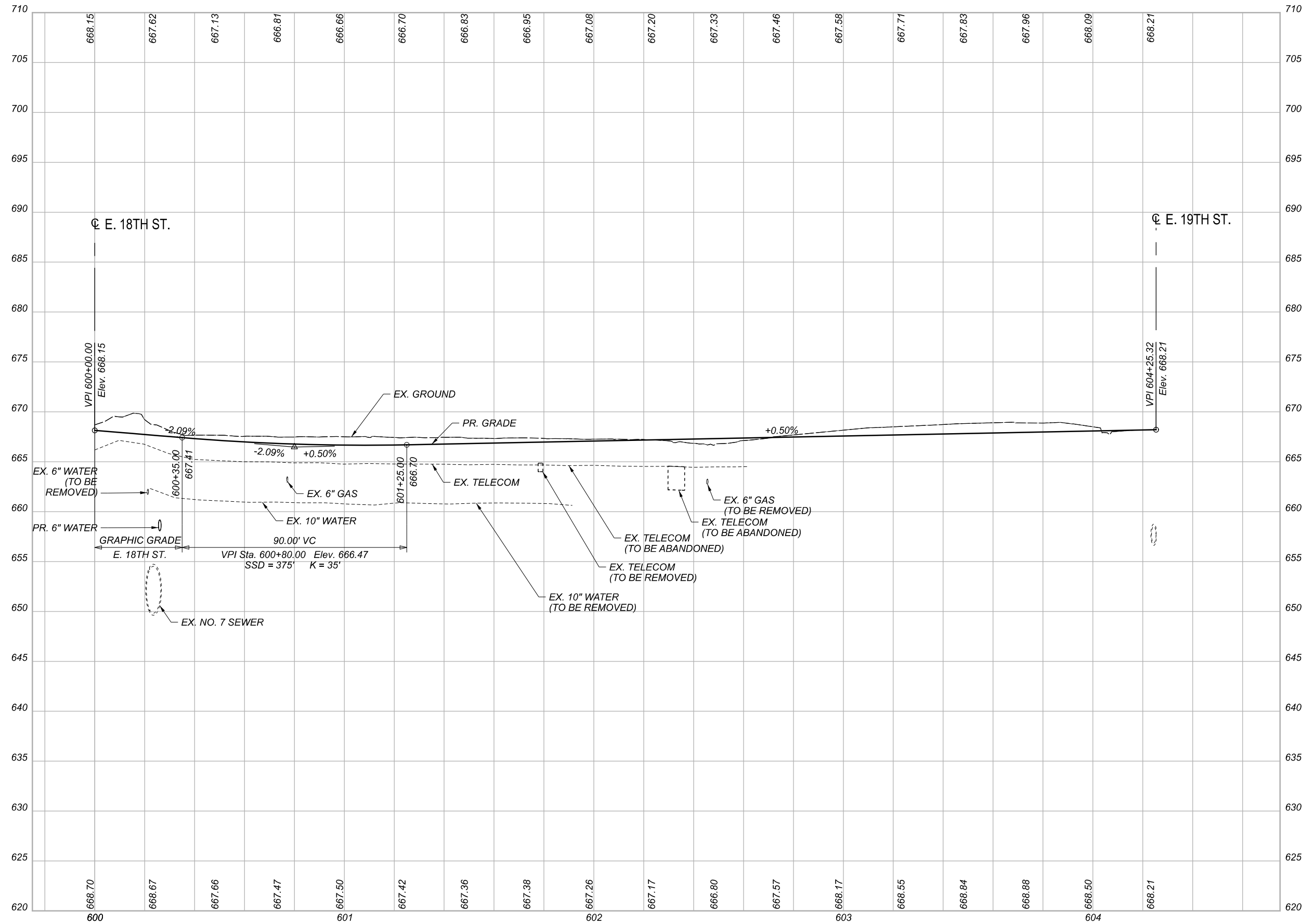
SHEET TOTAL

496 2339



PLAN - CENTRAL AVE. CONNECTOR  
BEGIN TO END

DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
497	2339



PROFILE - CENTRAL AVE. CONNECTOR  
 BEGIN TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

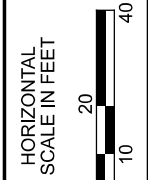
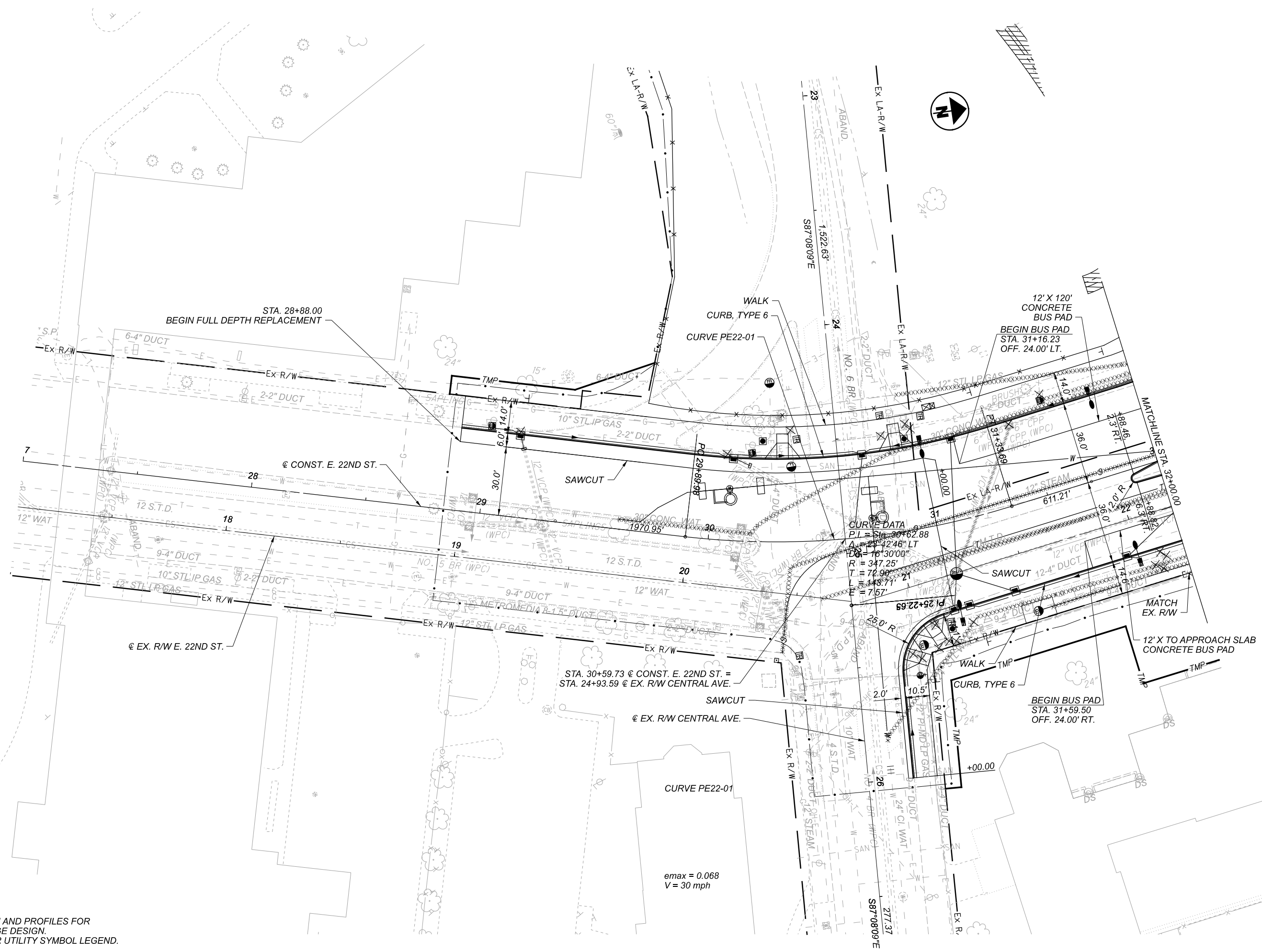
82382

SHEET TOTAL

498 2339

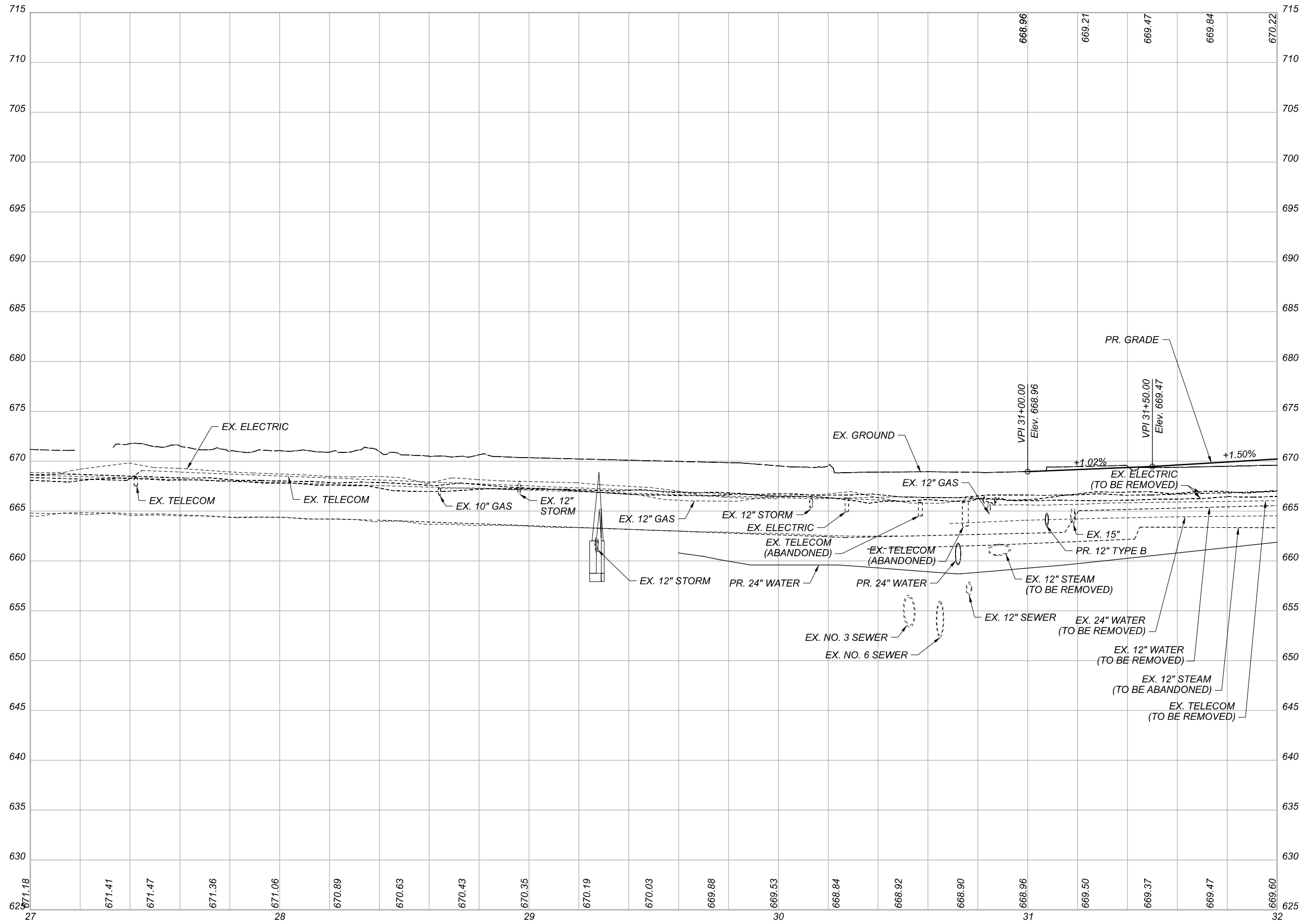
**NOTES**

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



**PLAN - E. 22ND ST.  
 BEGIN TO STA. 32+00.00**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	499
TOTAL	2339



PROFILE - E. 22ND ST.  
 BEGIN TO STA. 32+00.00

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

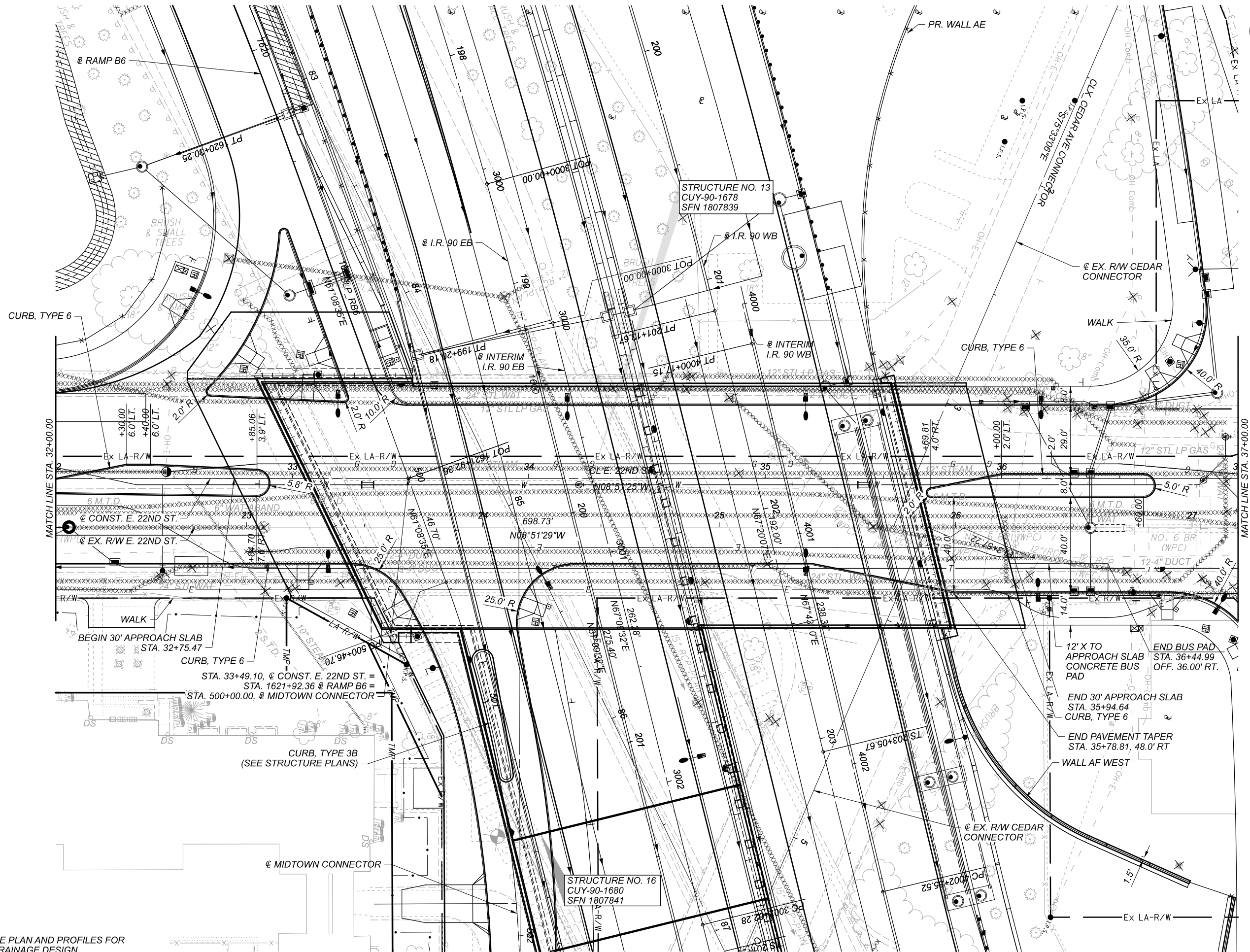
REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
500	2339

NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



PLAN - E 22ND ST.  
 STA. 32+00.00 TO STA. 37+00.00

DESIGN AGENCY

Michael Baker INTERNATIONAL

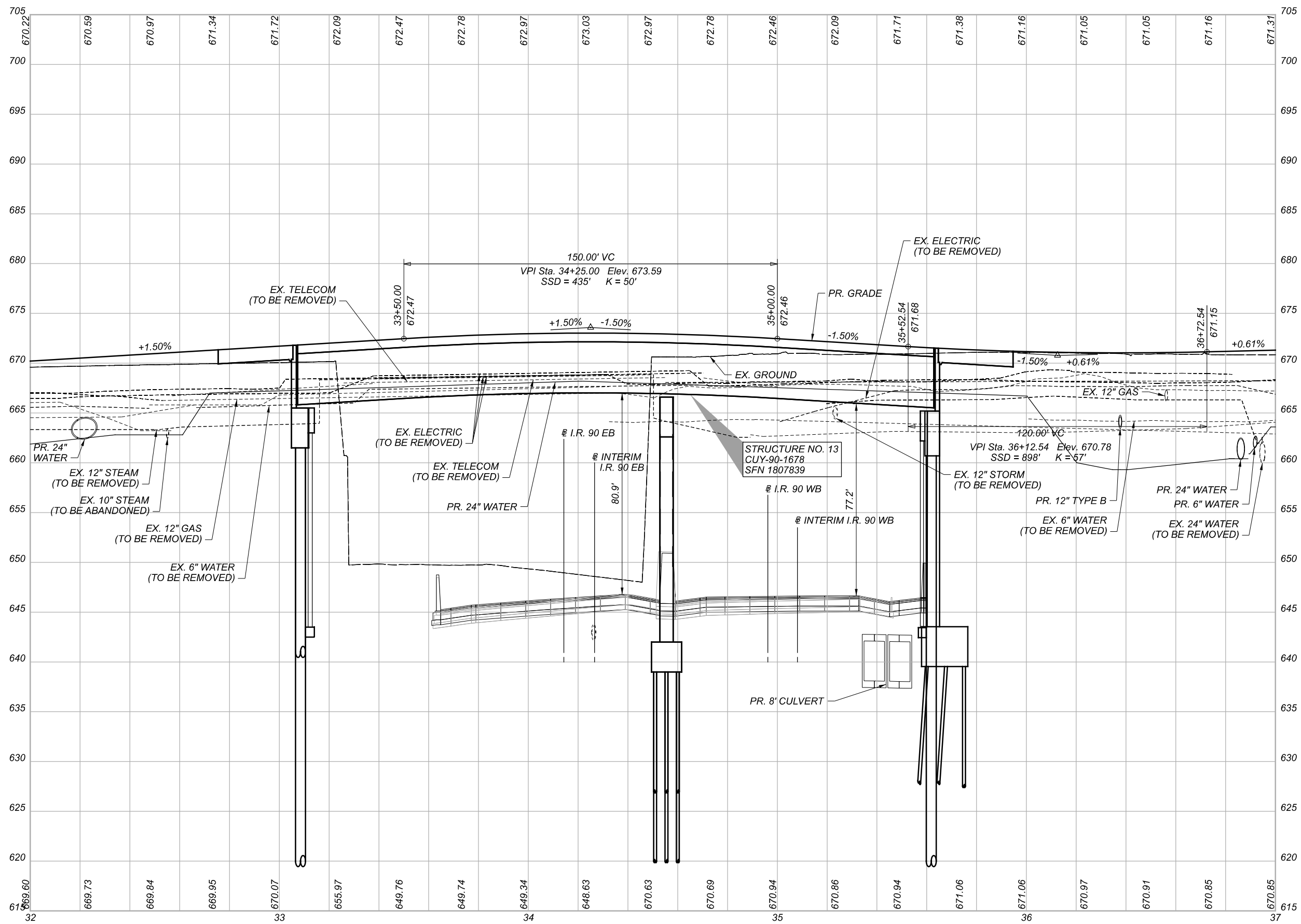
DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
501	2339



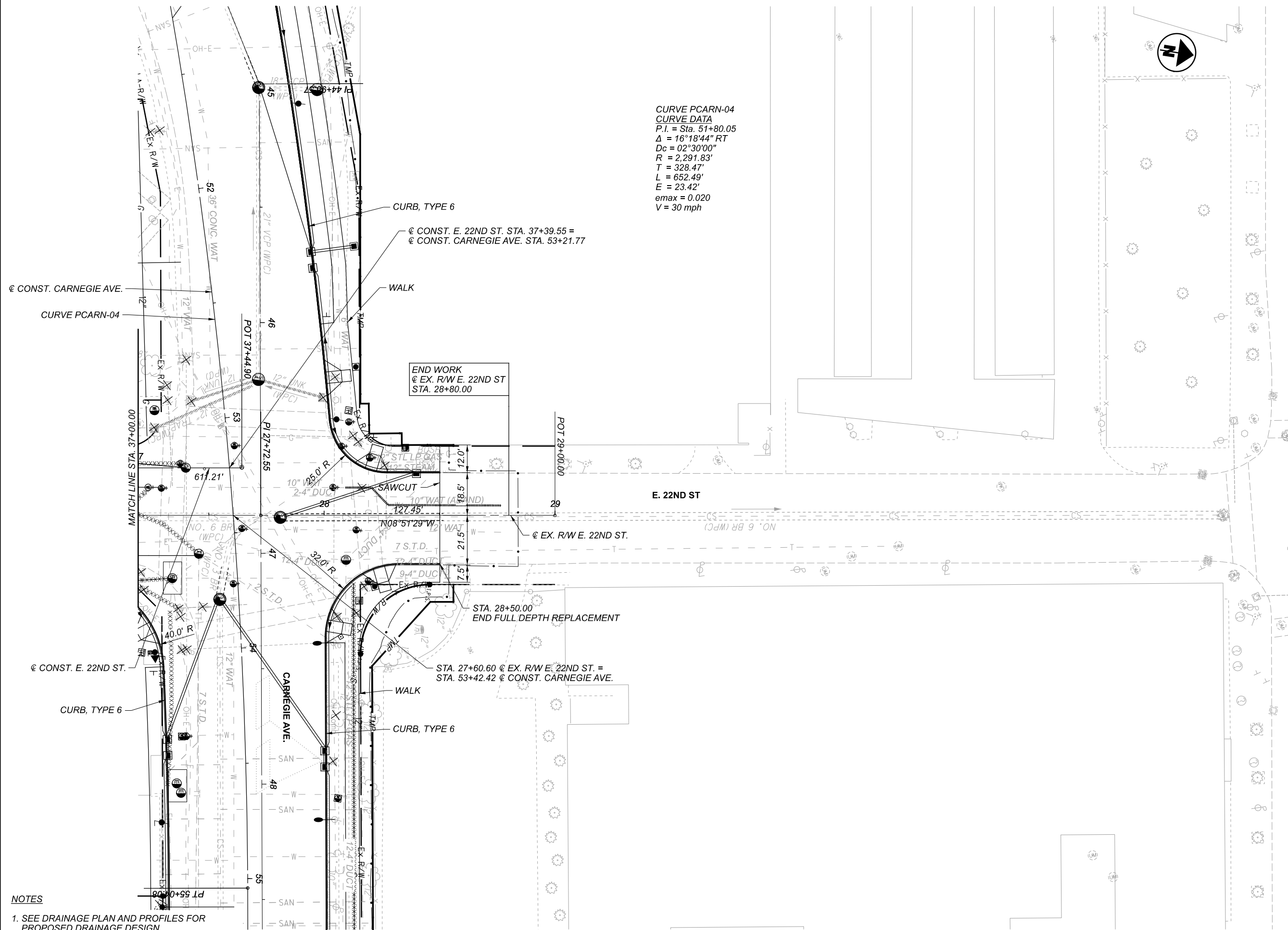


DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	502
TOTAL	2339



NOTES

1. SEE DRAINAGE PLAN AND PROFILES FOR PROPOSED DRAINAGE DESIGN.
2. SEE SHEET 68 FOR UTILITY SYMBOL LEGEND.



CURVE PCARN-04  
 CURVE DATA  
 P.I. = Sta. 51+80.05  
 $\Delta = 16^{\circ}18'44''$  RT  
 $D_c = 02^{\circ}30'00''$   
 $R = 2,291.83'$   
 $T = 328.47'$   
 $L = 652.49'$   
 $E = 23.42'$   
 $e_{max} = 0.020$   
 $V = 30$  mph



PLAN - E. 22ND ST.  
 STA. 37+00.00 TO END

DESIGN AGENCY

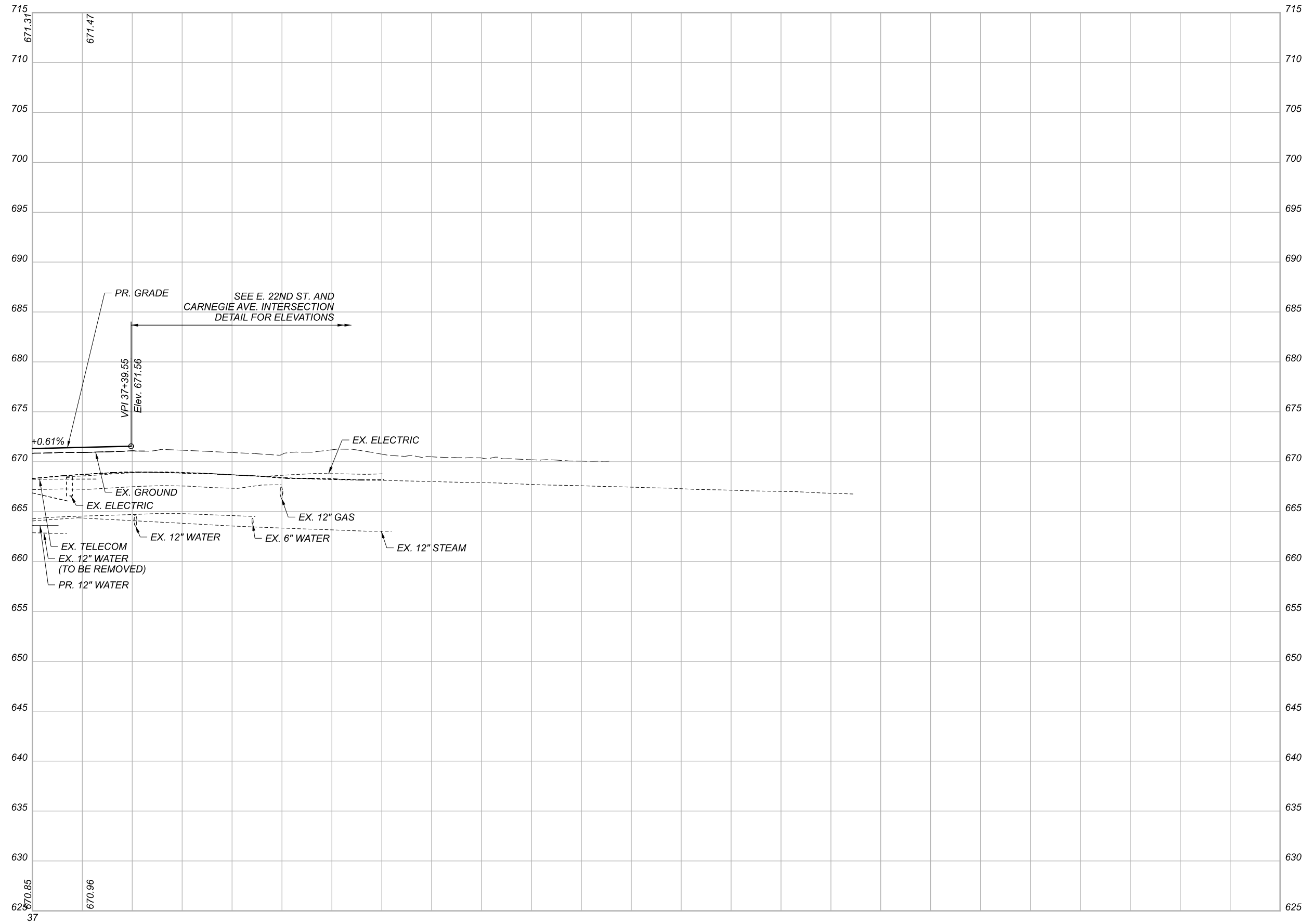
Michael Baker  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
503	2339



PROFILE - E. 22ND ST.  
 STA. 37+00.00 TO END

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

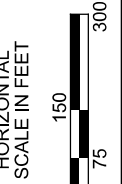
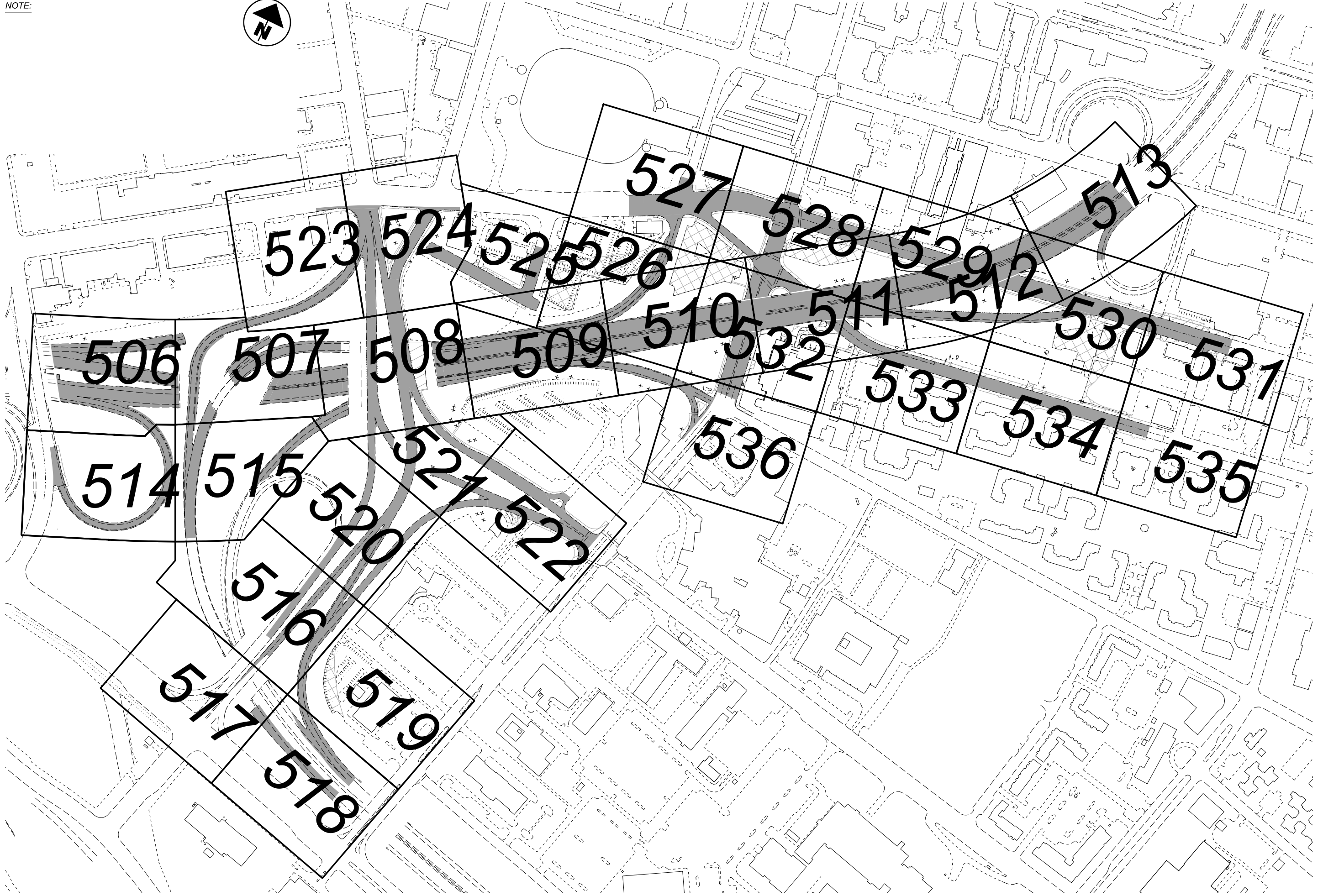
PROJECT ID

82382

SHEET TOTAL

504 2339

NOTE:



REMOVAL PLAN  
KEY PLAN

DESIGN AGENCY

**Michael Baker**  
INTERNATIONAL

DESIGNER

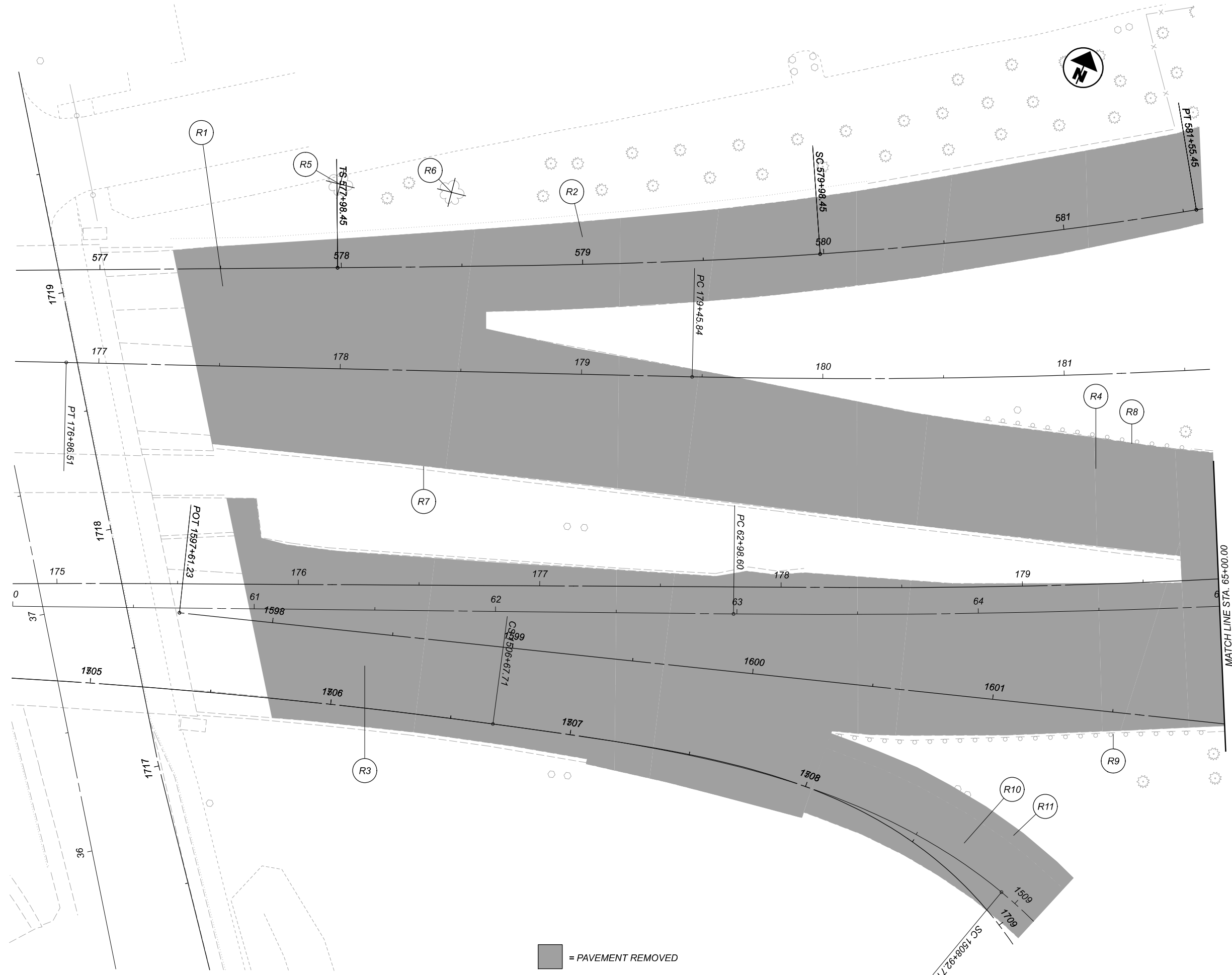
REVIEWER

PROJECT ID  
82382

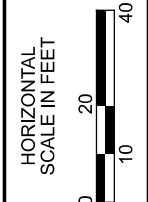
SHEET TOTAL  
505 2339

**CUY-90-16.28 (CCG3A)**

MODEL: 82382.GP9201.PAPERSIZE: 17x11 (in.) DATE: 6/22/2022 TIME: 10:22:19 PM USER: Kevin.McNutt  
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■ = PAVEMENT REMOVED



**REMOVAL PLAN - I.R. 90  
 STA. 60+00 TO STA. 65+00**

DESIGN AGENCY

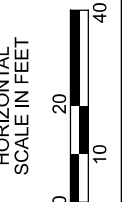
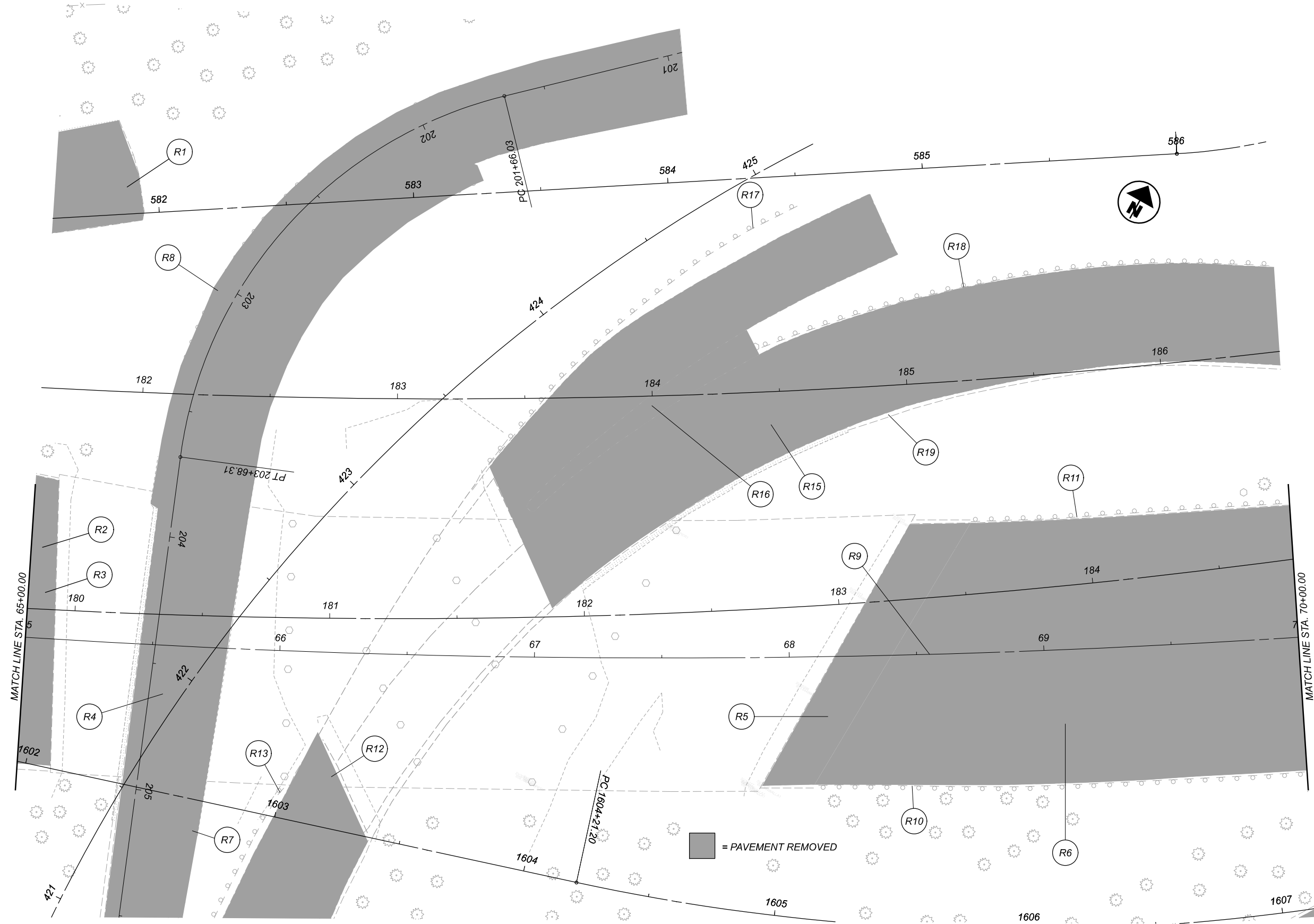
**BURGESS & NIPLE**  
 100 WEST BIRCH STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
506	2339



REMOVAL PLAN - I.R. 90  
 STA. 65+00 TO STA. 70+0

DESIGN AGENCY

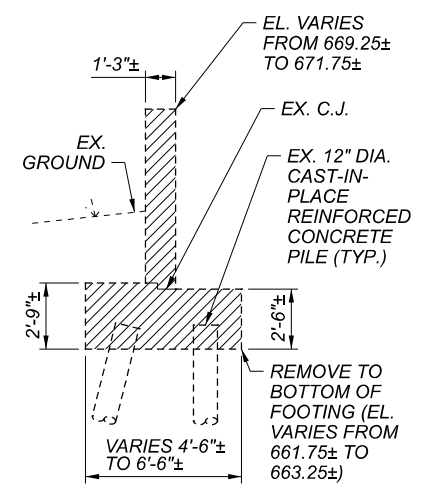
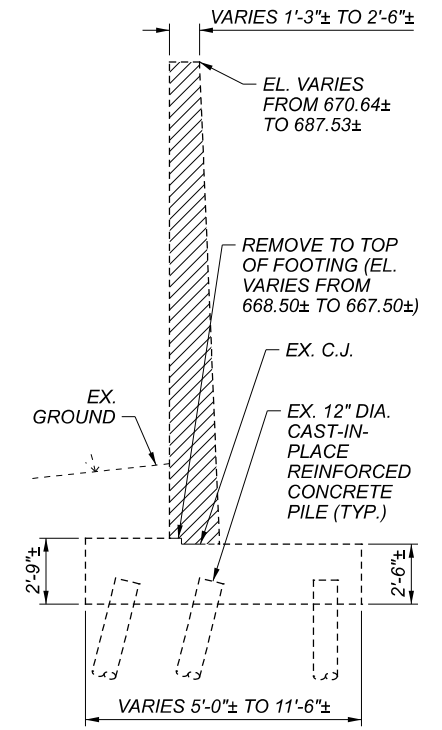
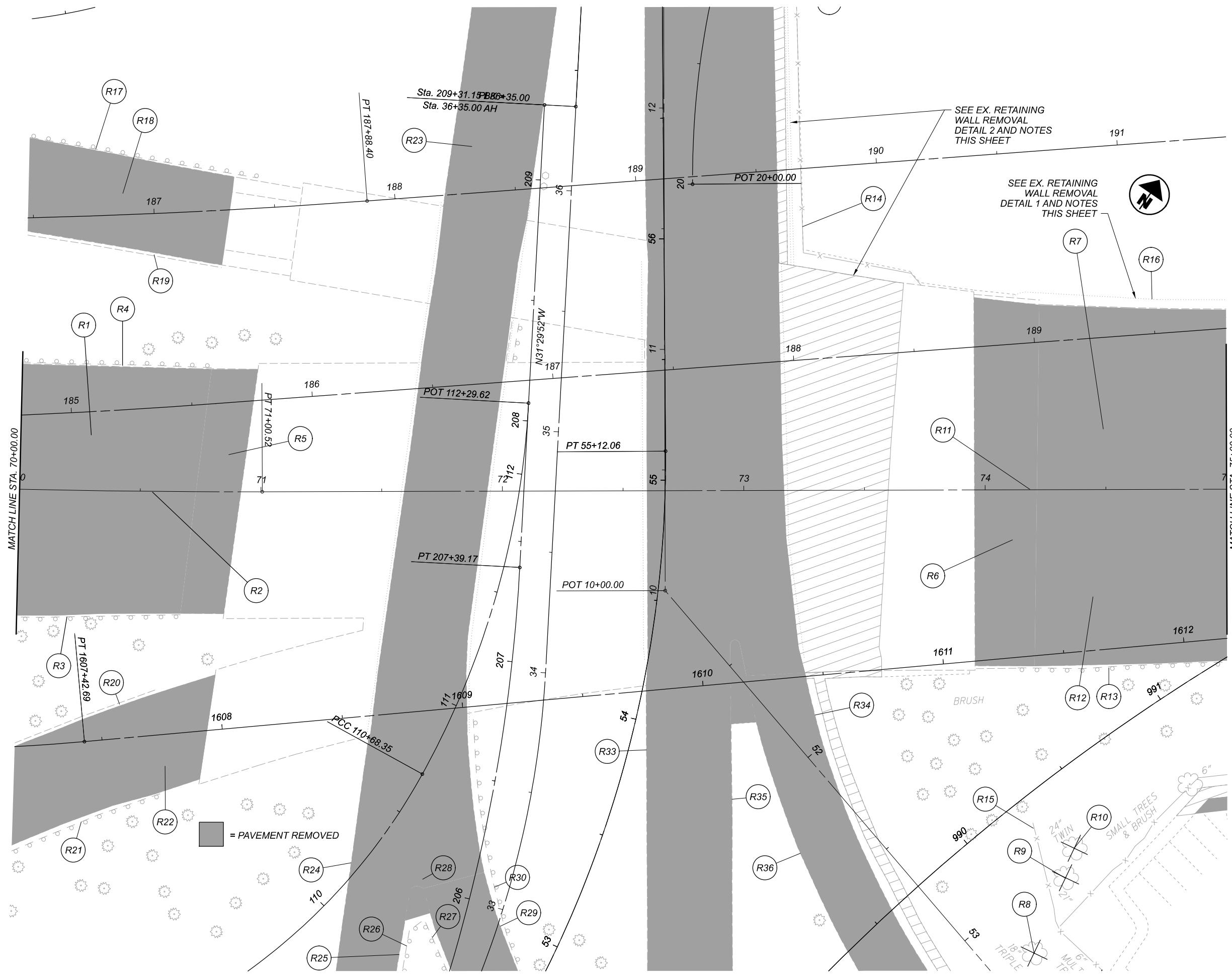
**BURGESS & NIPLE**  
 100 WEST BIRE STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
507	2339

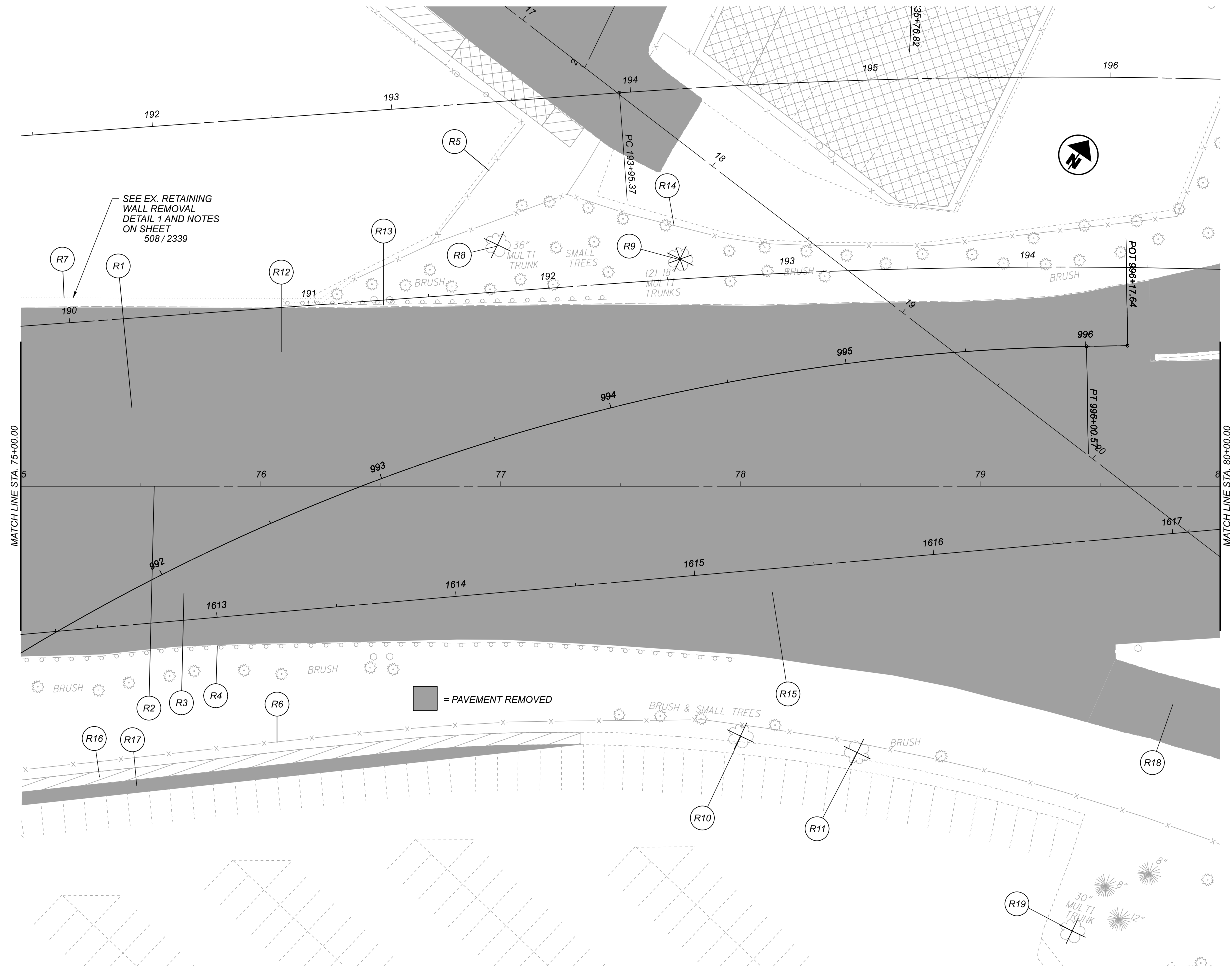


- NOTES:**
1. REMOVE RETAINING WALL PORTIONS PARALLEL TO I.R. 90 IN PHASE 7 MOT.
  2. REMOVE RETAINING WALL PORTIONS PARALLEL TO EAST 14TH PRIOR TO PHASE 5 MOT.
  3. SEE STRUCTURE SHEETS 1612/2339, 1614/2339, AND 1616/2339 FOR MORE RETAINING WALL REMOVAL DETAILS.



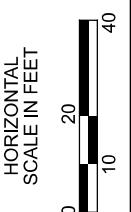
REMOVAL PLAN - I.R. 90  
 STA. 70+00 TO STA. 75+00

DESIGN AGENCY	<b>BURGESS &amp; NIPLE</b> 100 WEST BIRCH STREET PARKEVILLE, OHIO 44077
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	508 2339



SEE EX. RETAINING WALL REMOVAL DETAIL 1 AND NOTES ON SHEET 508/2339

■ = PAVEMENT REMOVED



REMOVAL PLAN - I.R. 90  
STA. 75+00 TO STA. 80+00

DESIGN AGENCY

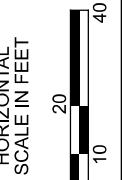
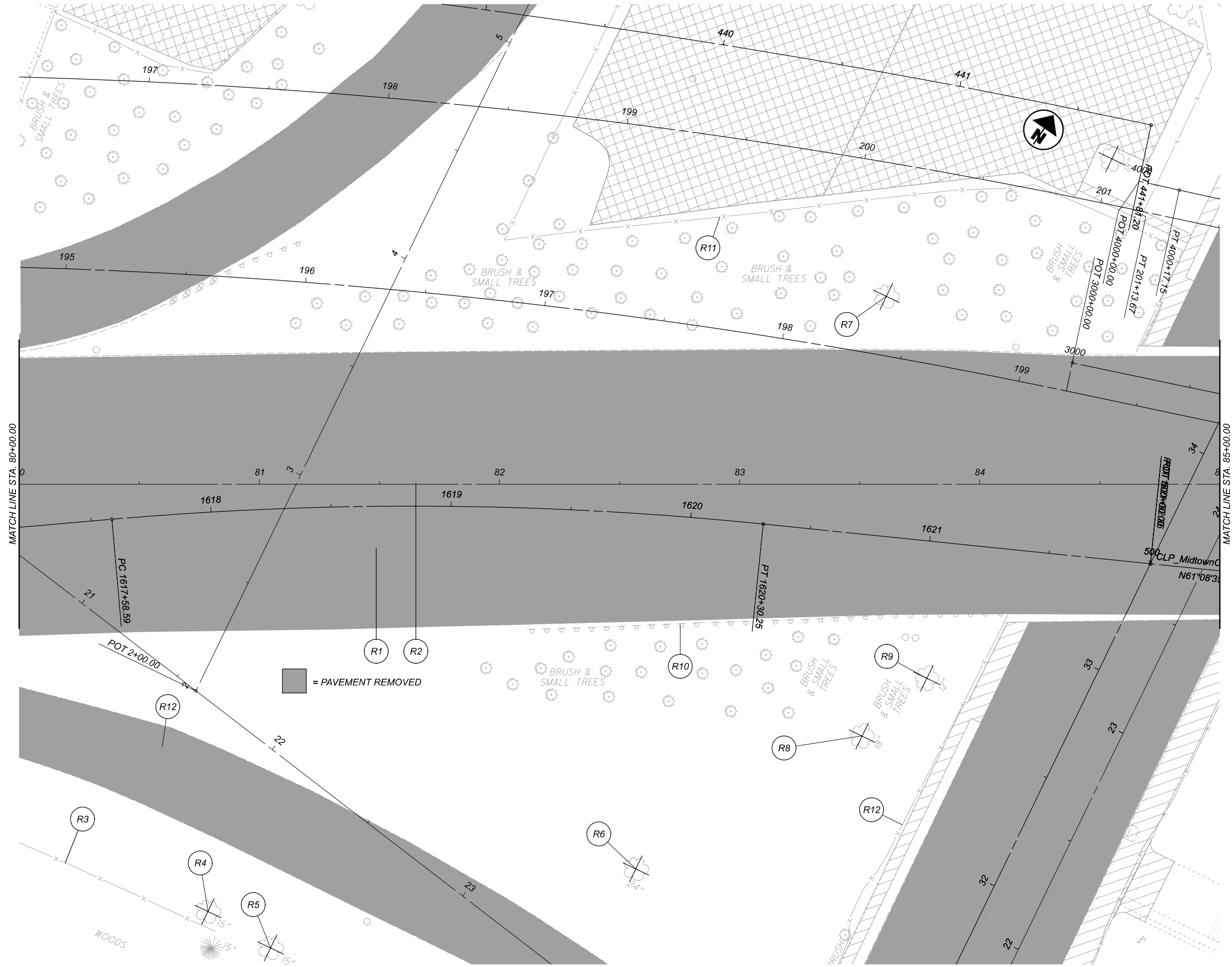
**BURGESS & NIPLE**  
100 WEST BIRE STREET  
PARMESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET TOTAL  
509 2339



REMOVAL PLAN - I.R. 90  
 STA. 80+00 TO STA. 85+00

DESIGN AGENCY

**BURGESS & NIPLE**  
 100 WEST BIRE STREET  
 PAINESVILLE, OHIO 44077

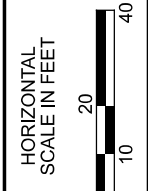
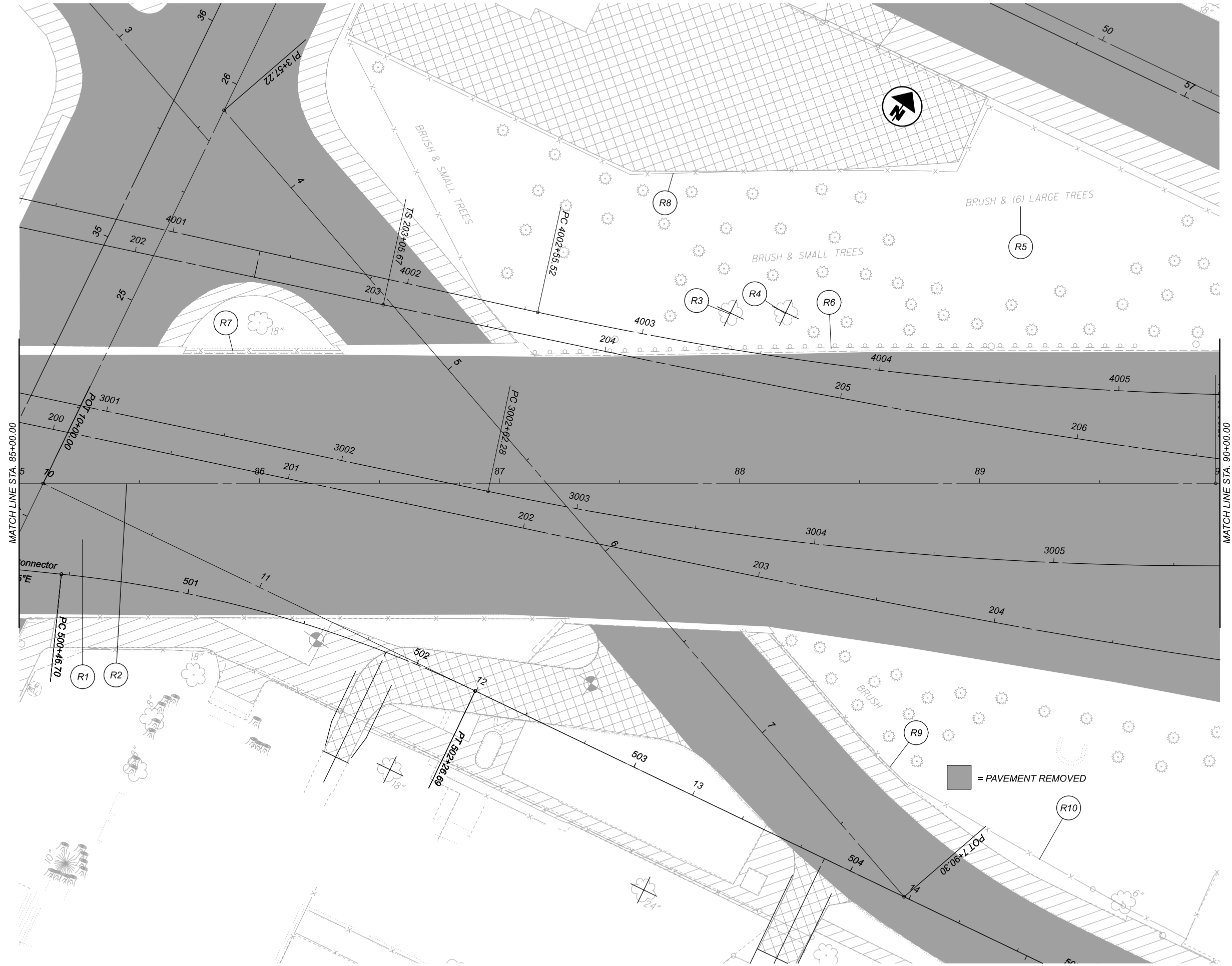
DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
510	2339





REMOVAL PLAN - I.R. 90  
STA. 85+00 TO STA. 90+00

DESIGN AGENCY

**BURGESS & NIPLE**  
100 WEST BIRE STREET  
PAINESVILLE, OHIO 44077

DESIGNER

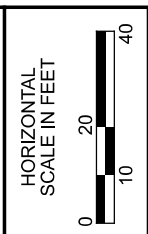
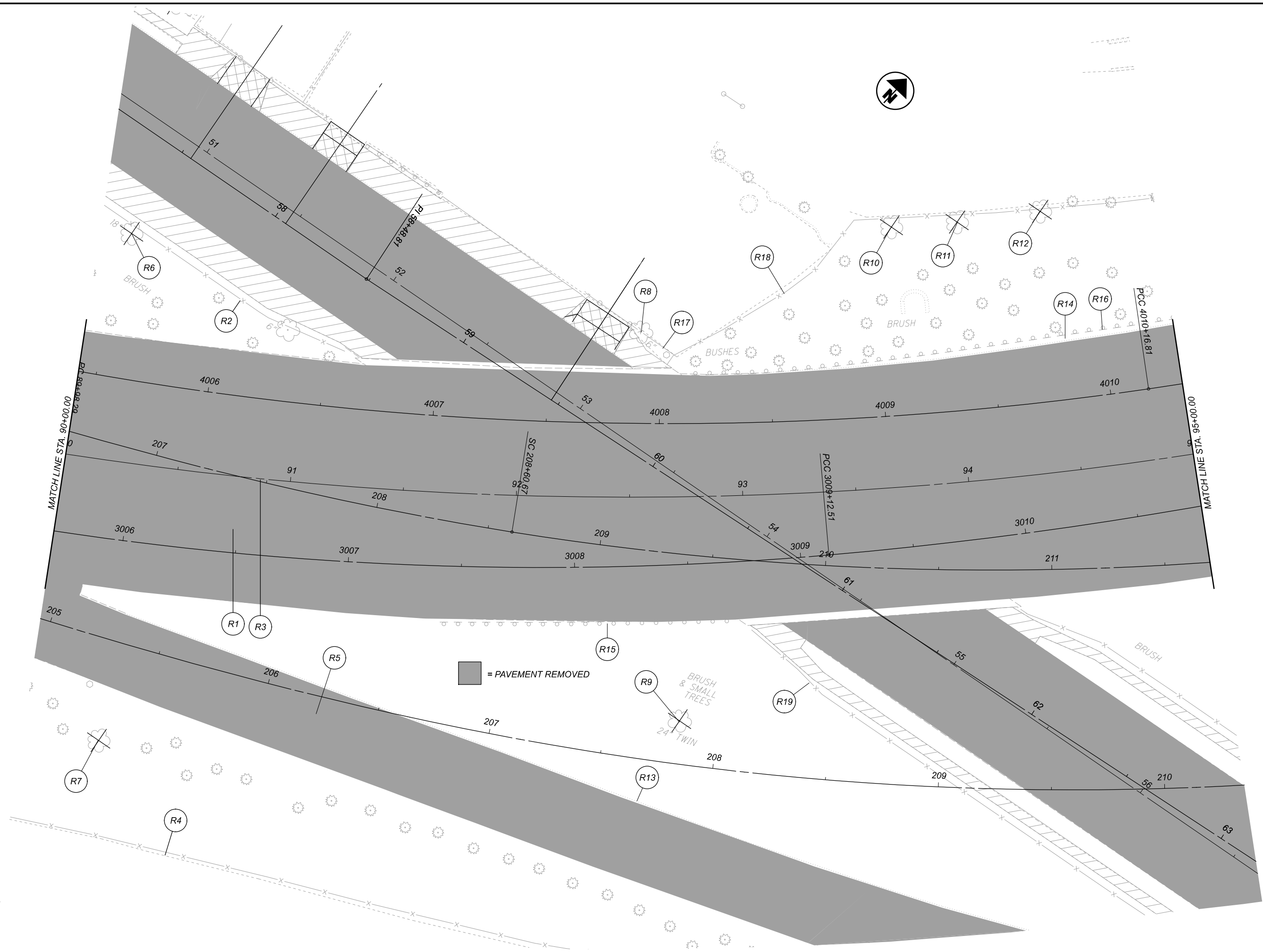
REVIEWER

PROJECT ID

82382

SHEET TOTAL

511 2339



REMOVAL PLAN - I.R. 90  
STA. 90+00 TO STA. 95+00

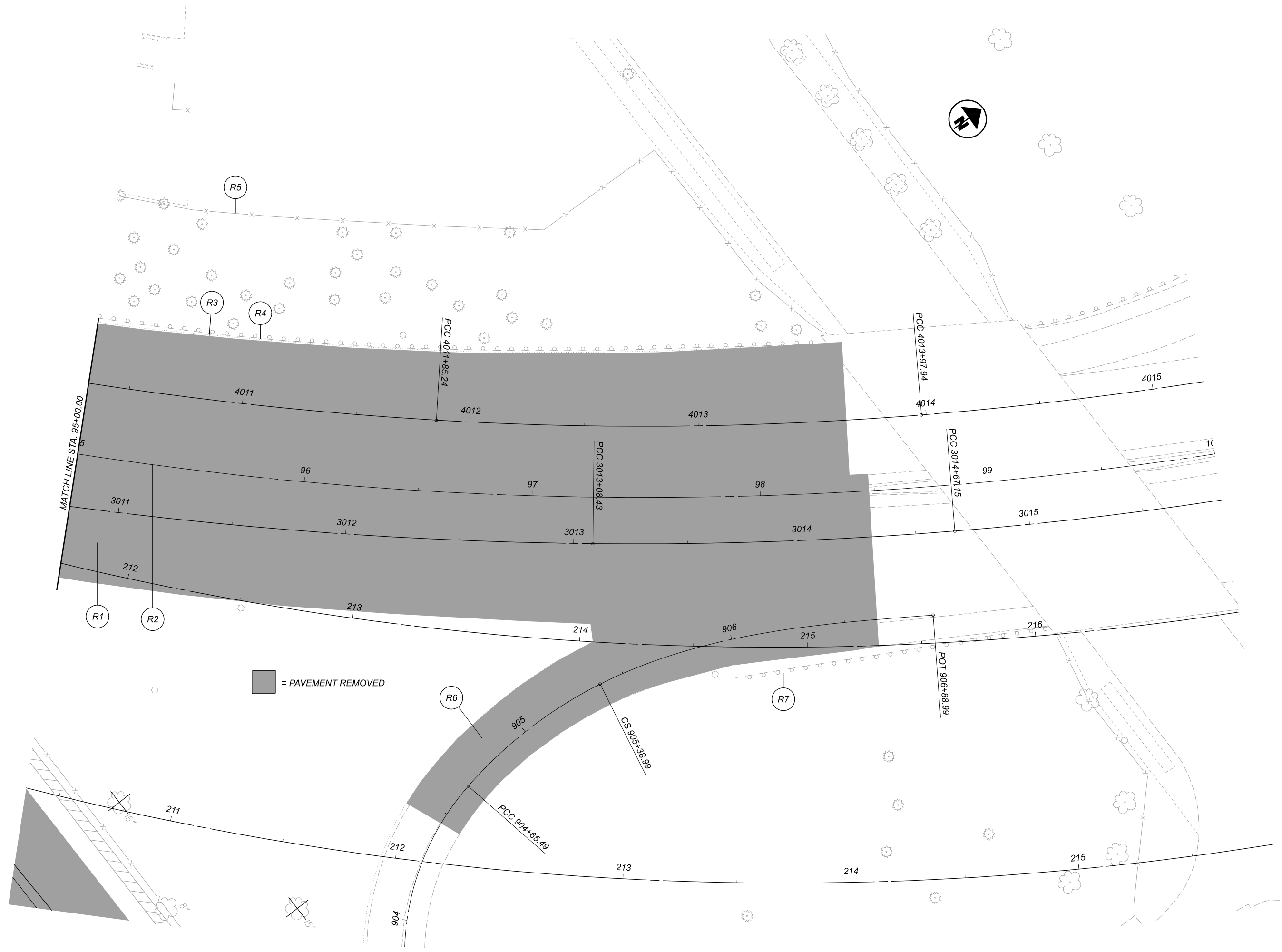
DESIGN AGENCY

**BURGESS & NIPLE**  
100 WEST BIRE STREET  
PARMERSVILLE, OHIO 44077

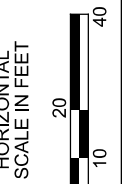
DESIGNER  
REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
512	2339



= PAVEMENT REMOVED



REMOVAL PLAN - I.R. 90  
 STA. 95+00 TO STA. 100+00

DESIGN AGENCY

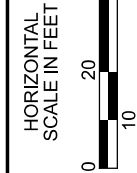
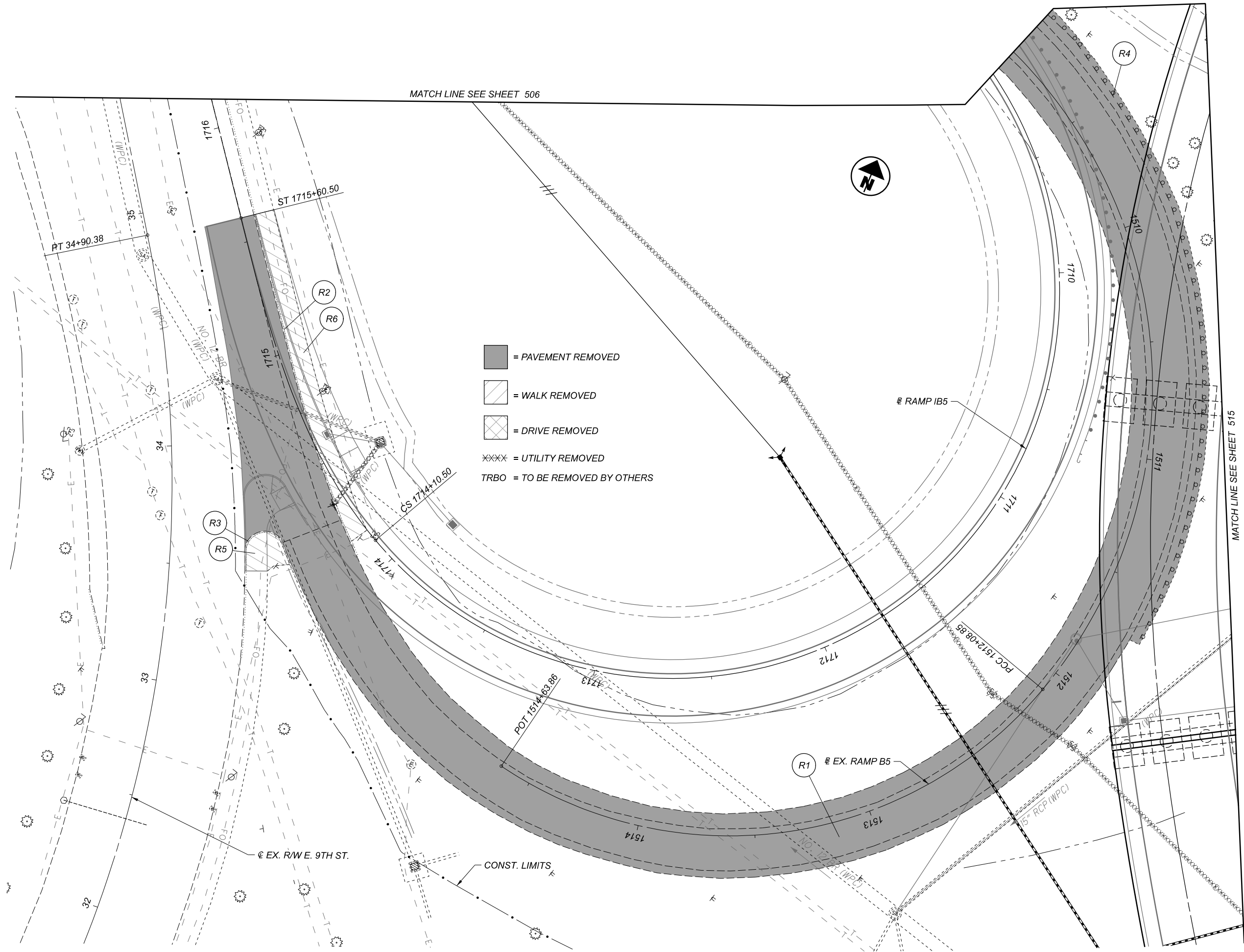
**BURGESS & NIPLE**  
 100 WEST BIRCH STREET  
 PAINESVILLE, OHIO 44077

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
513	2339



### REMOVAL PLAN RAMP IB5

DESIGN AGENCY



DESIGNER

XXX

REVIEWER

XXX MM-DD-YY

PROJECT ID

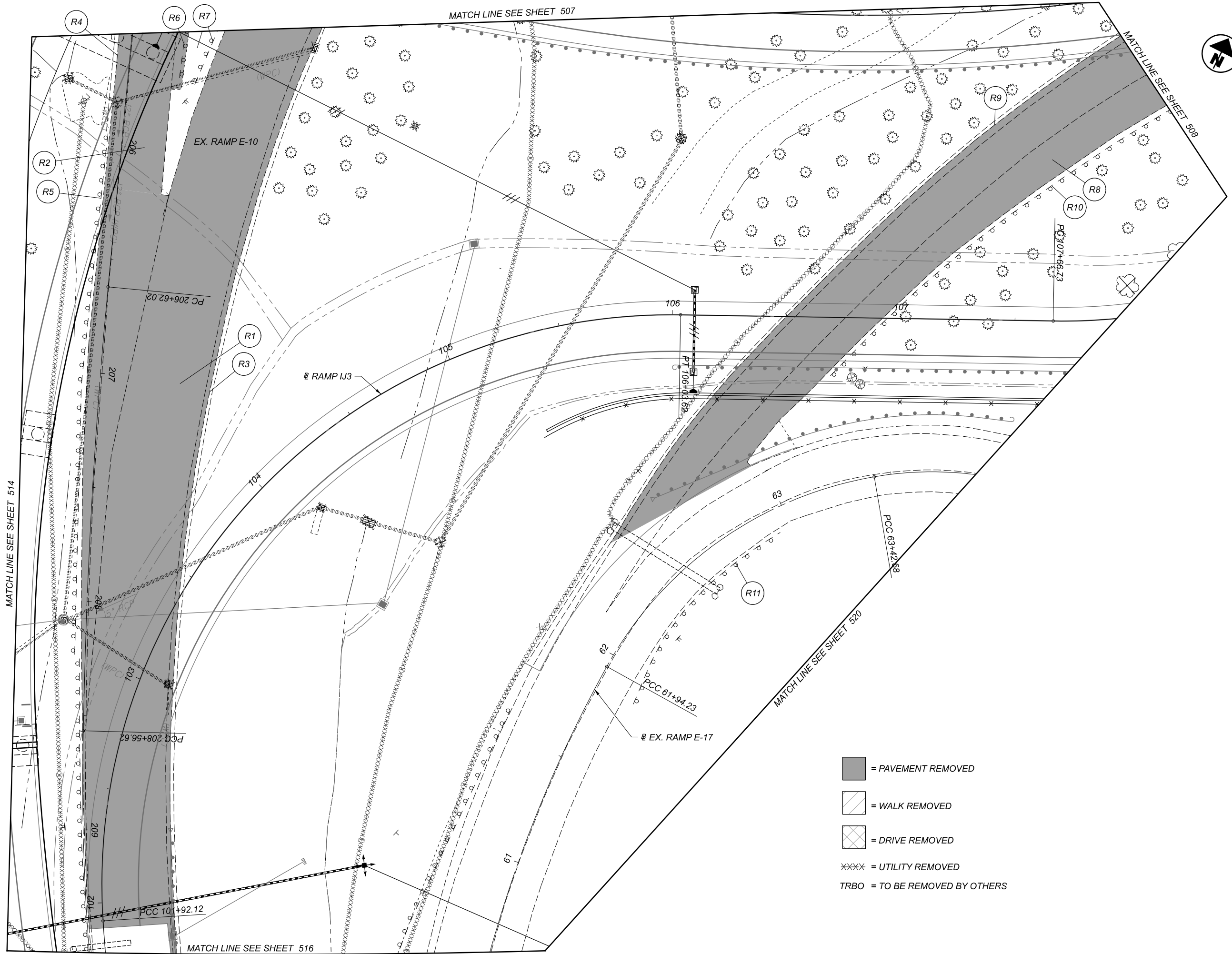
82382

SHEET

514

TOTAL

2339



- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED
- XXXX = UTILITY REMOVED
- TRBO = TO BE REMOVED BY OTHERS



**REMOVAL PLAN  
RAMP IJ3**

DESIGN AGENCY






DESIGNER  
XXX

REVIEWER  
XXX MM-DD-YY

PROJECT ID  
82382

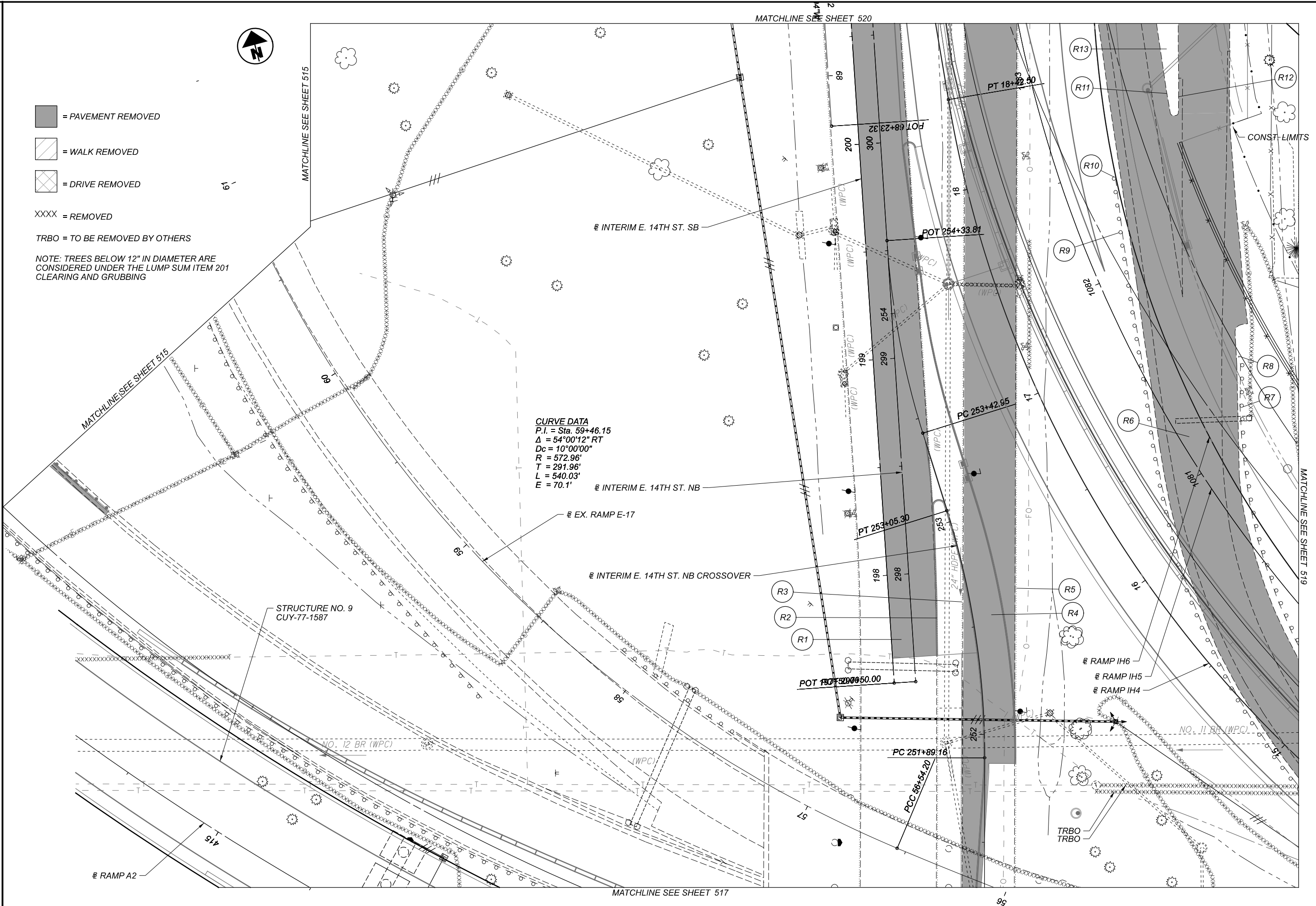
SHEET	TOTAL
515	2339

-  = PAVEMENT REMOVED
-  = WALK REMOVED
-  = DRIVE REMOVED

XXXX = REMOVED

TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



**CURVE DATA**  
 P.I. = Sta. 59+46.15  
 $\Delta = 54^{\circ}00'12''$  RT  
 $D_c = 10^{\circ}00'00''$   
 $R = 572.96'$   
 $T = 291.96'$   
 $L = 540.03'$   
 $E = 70.1'$



**REMOVAL PLAN**  
**E. 14TH ST / I.R. 77**

DESIGN AGENCY




**Michael Baker**  
INTERNATIONAL

DESIGNER

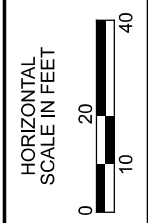
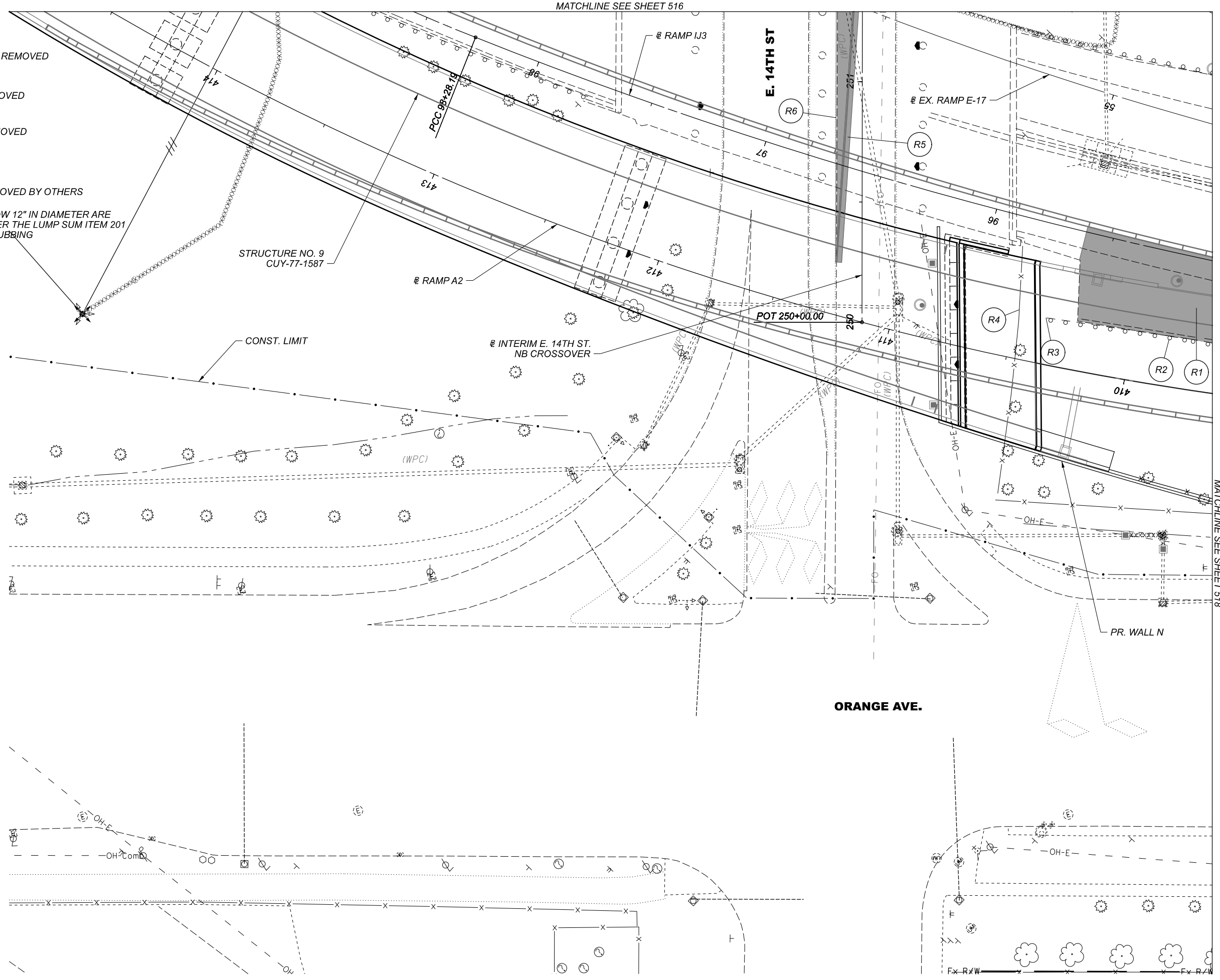
REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
516	2339

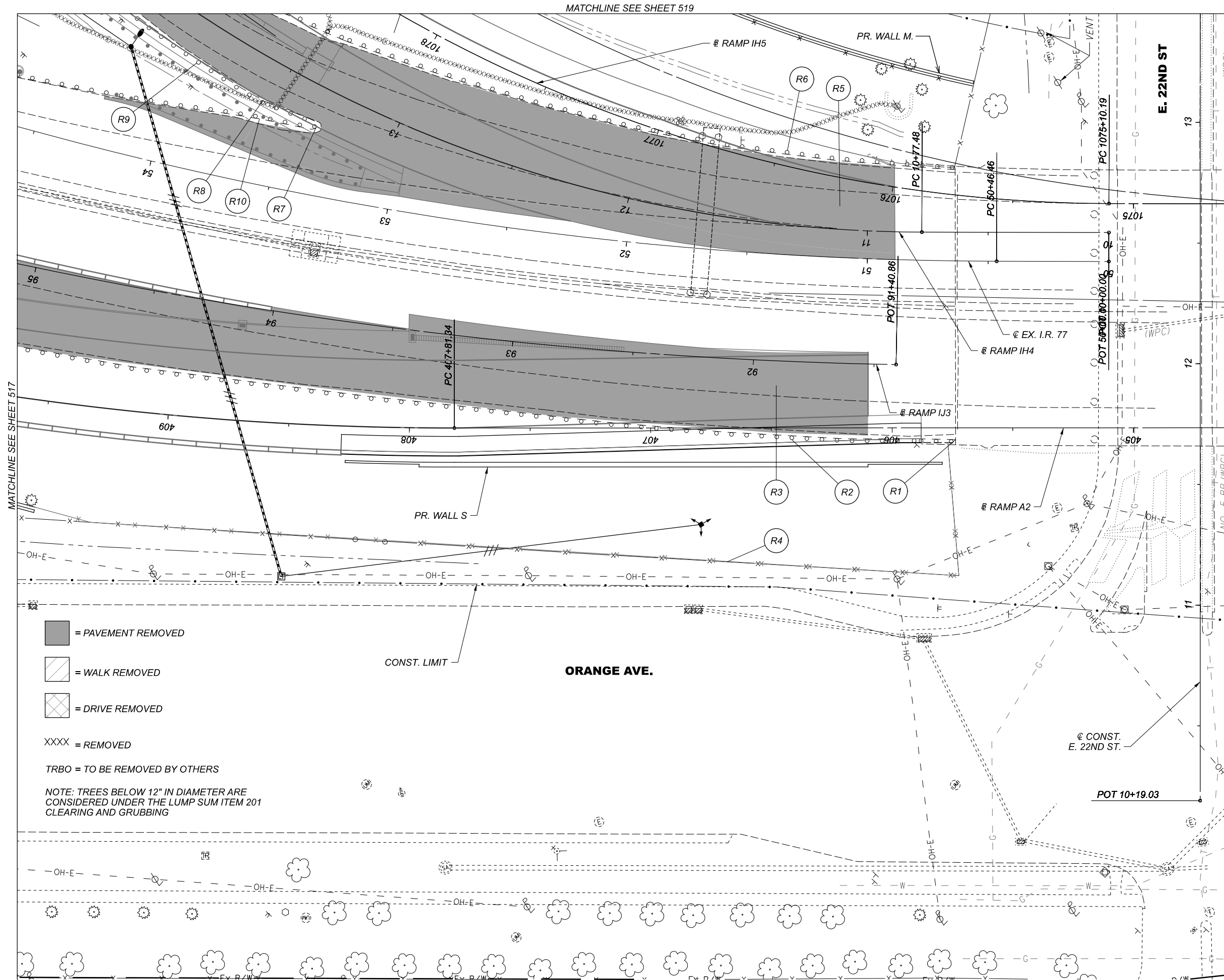
-  = PAVEMENT REMOVED
-  = WALK REMOVED
-  = DRIVE REMOVED
- XXXX = REMOVED
- TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



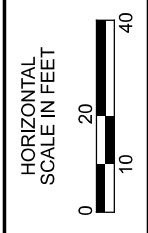
REMOVAL PLAN  
 E. 14TH ST / ORANGE AVE / I.R. 77

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	517
TOTAL	2339



- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED
- XXXX = REMOVED
- TRBO = TO BE REMOVED BY OTHERS

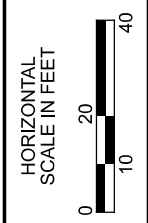
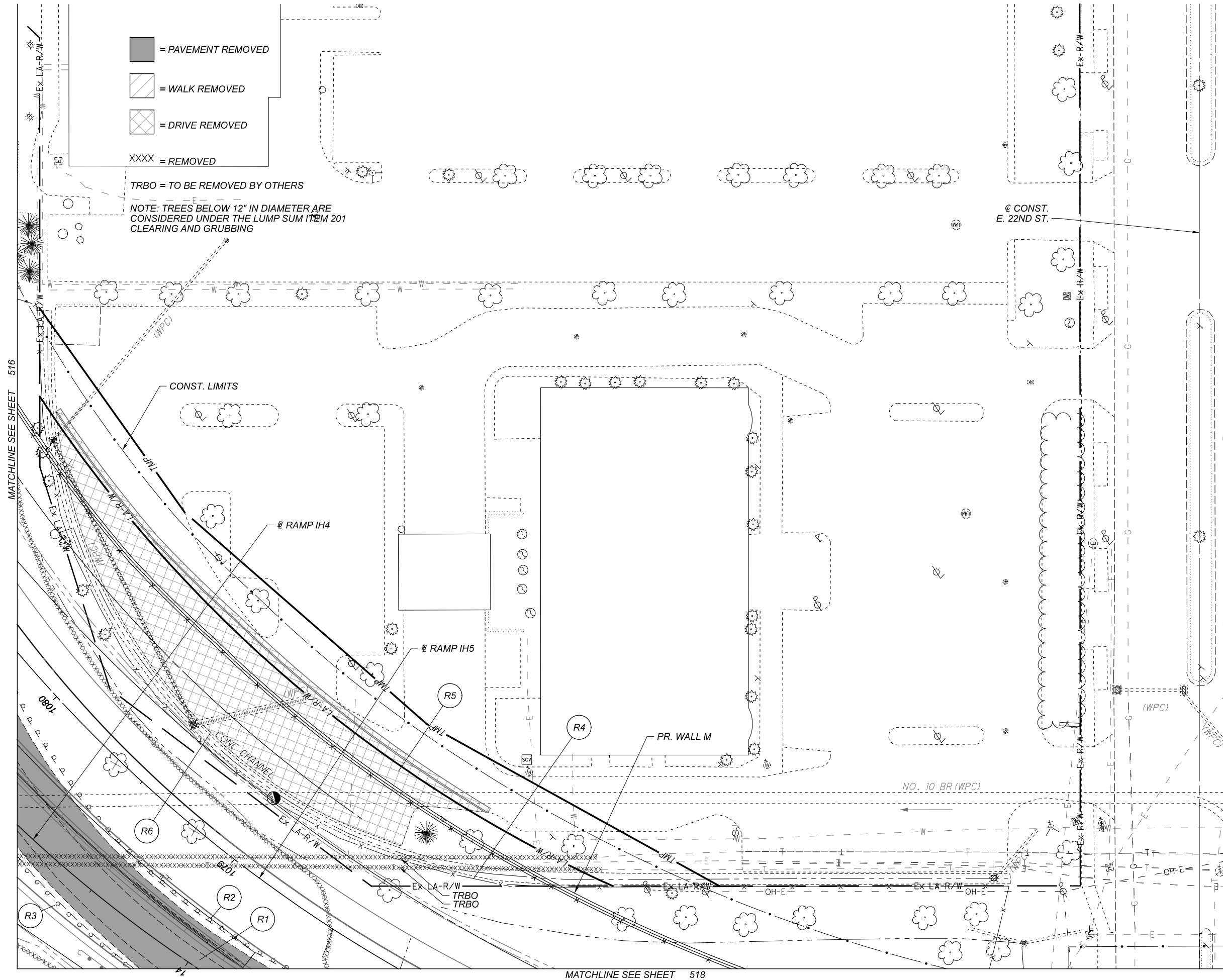
NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



**REMOVAL PLAN**  
**I.R. 77**

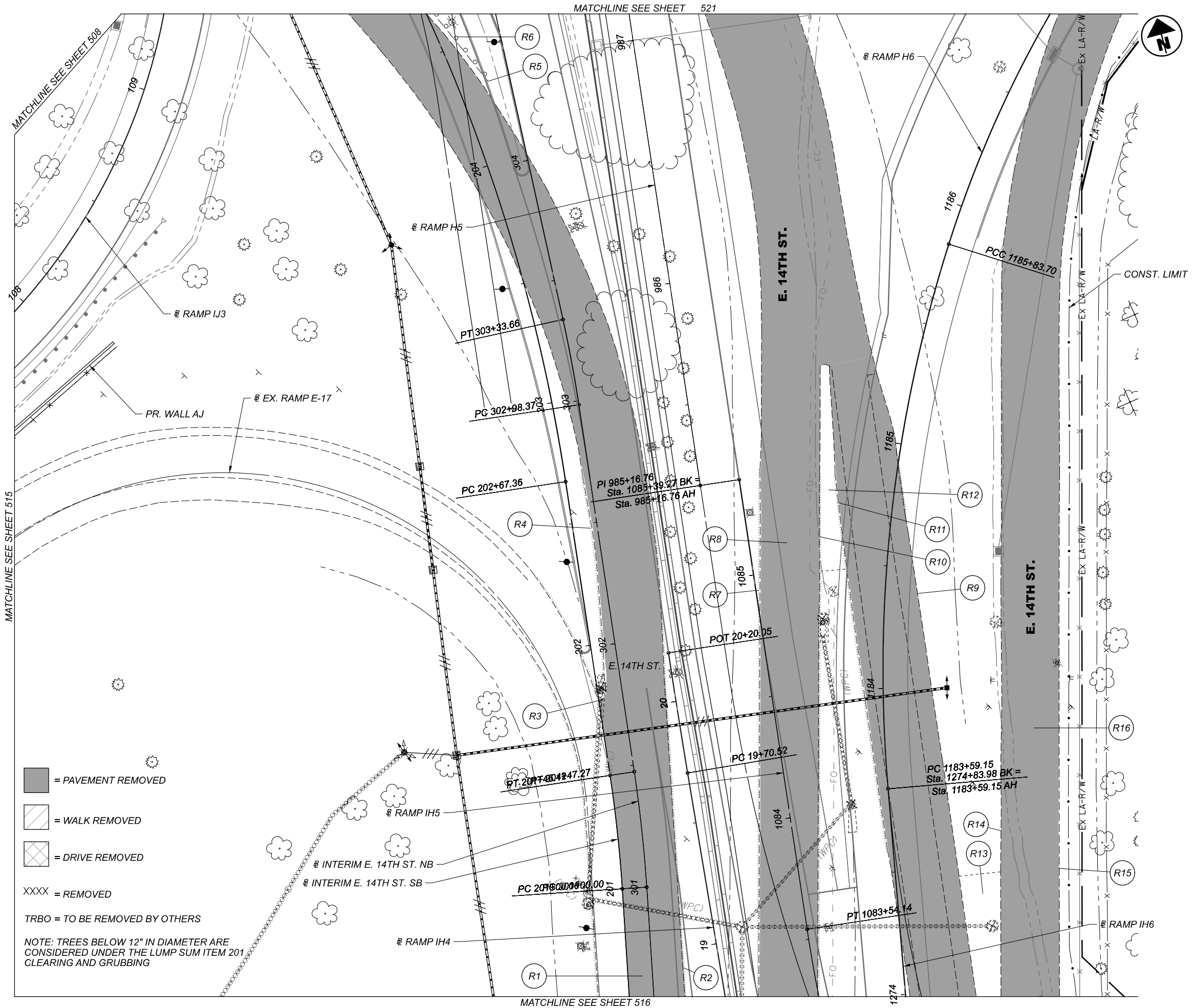
DESIGN AGENCY	
<b>Michael Baker</b> INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID 82382	
SHEET 518	TOTAL 2339





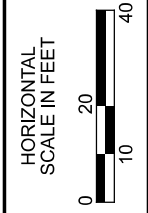
REMOVAL PLAN  
 E. 22ND ST / I.R. 77

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	519 2339



- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED
- XXXX = REMOVED
- TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



REMOVAL PLAN  
E. 14TH ST.

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	520
TOTAL	2339

■ = PAVEMENT REMOVED

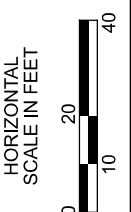
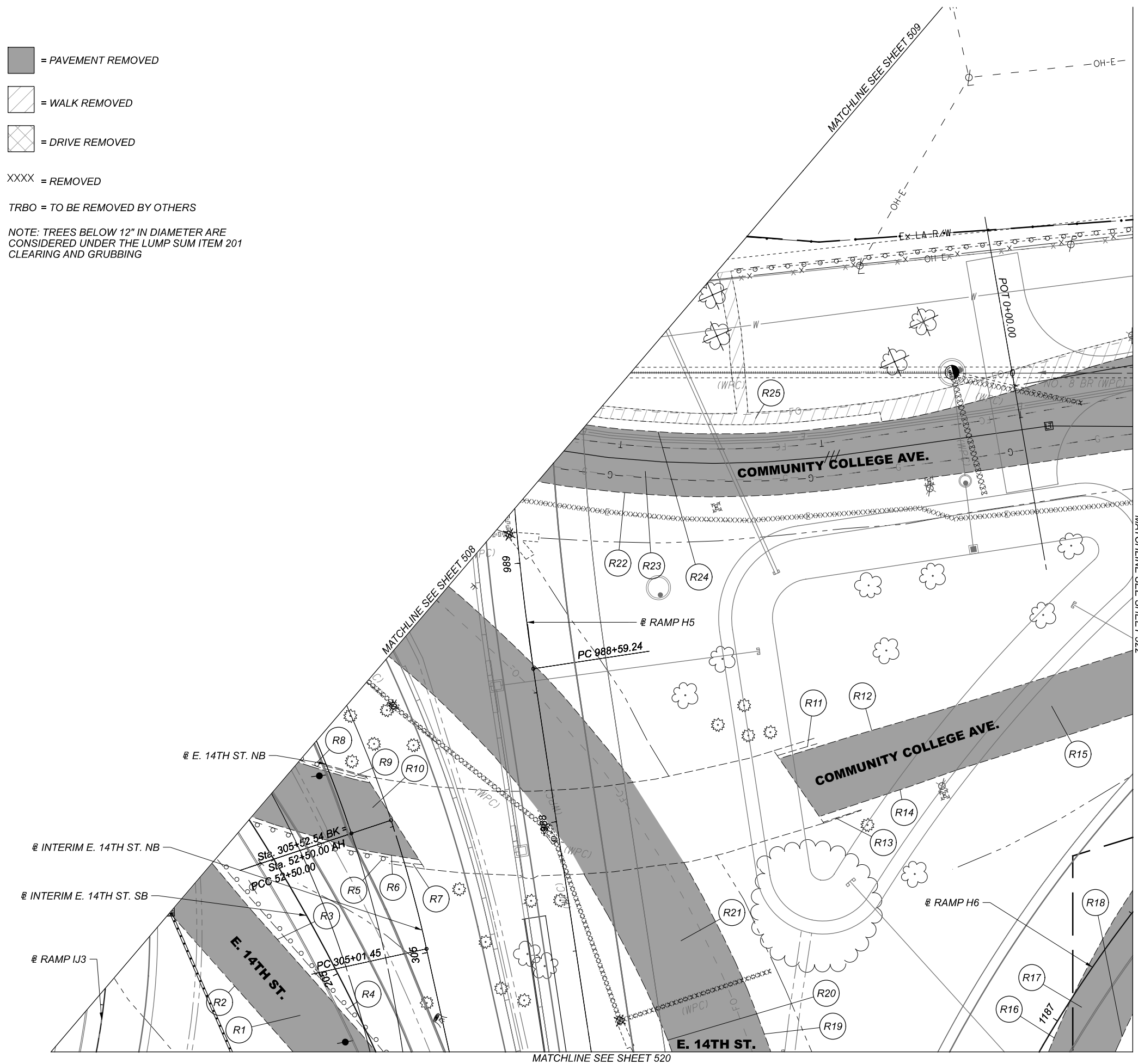
▨ = WALK REMOVED

▩ = DRIVE REMOVED

XXXX = REMOVED

TRBO = TO BE REMOVED BY OTHERS

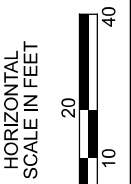
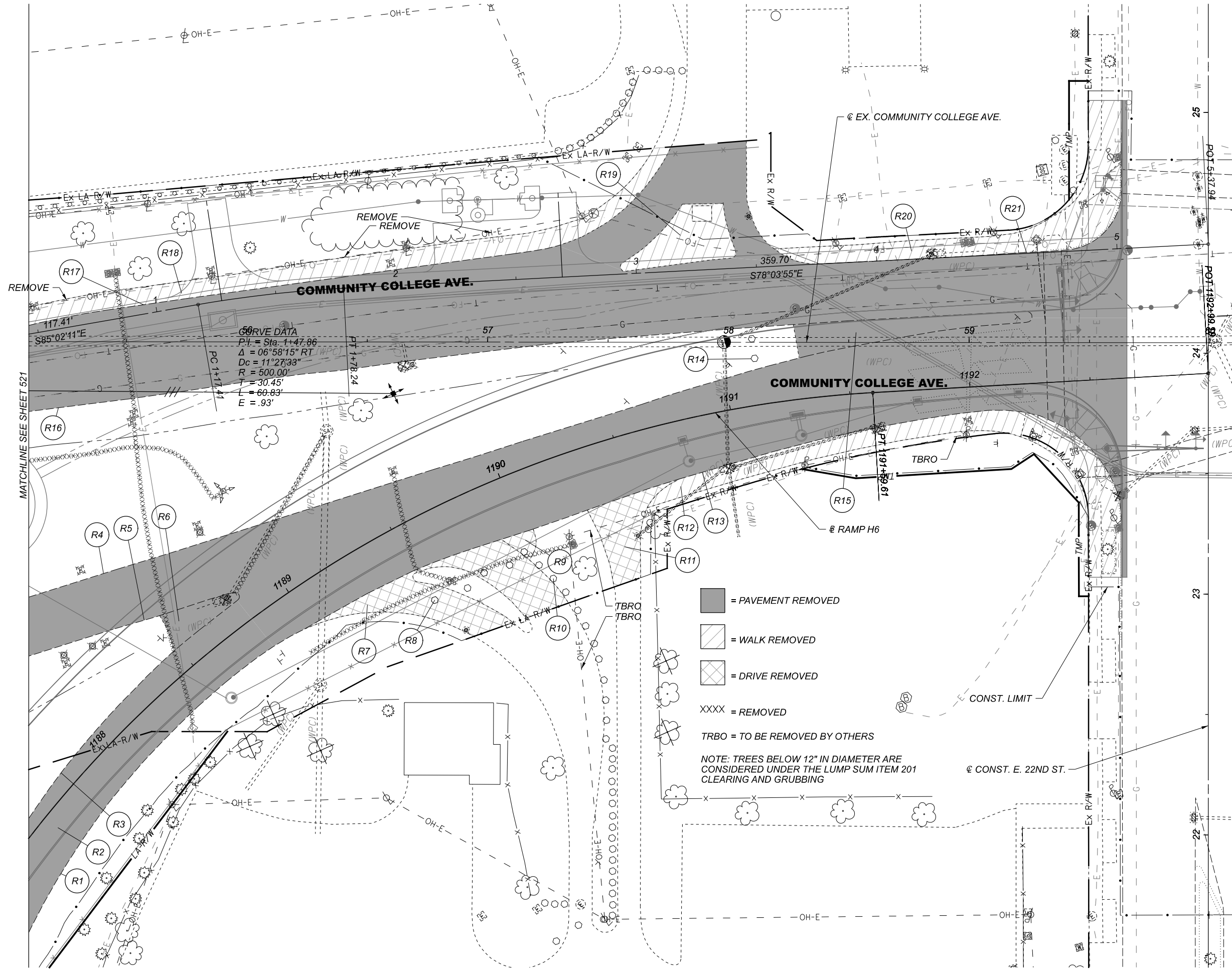
NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



**REMOVAL PLAN**  
**COMMUNITY COLLEGE AVE / E. 14TH ST**

CUY-90-16.28 (CCG3A)  
 MODEL: 82382.GP907 PAPER SIZE: 11x17 (in.) DATE: 6/22/2022 TIME: 10:28:56 PM USER: Kevin.McNutt  
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DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	
PROJECT ID	82382
SHEET	521
TOTAL	2339



REMOVAL PLAN  
 COMMUNITY COLLEGE AVE / E. 22ND ST

DESIGN AGENCY

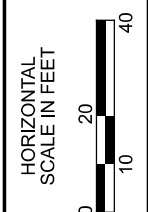
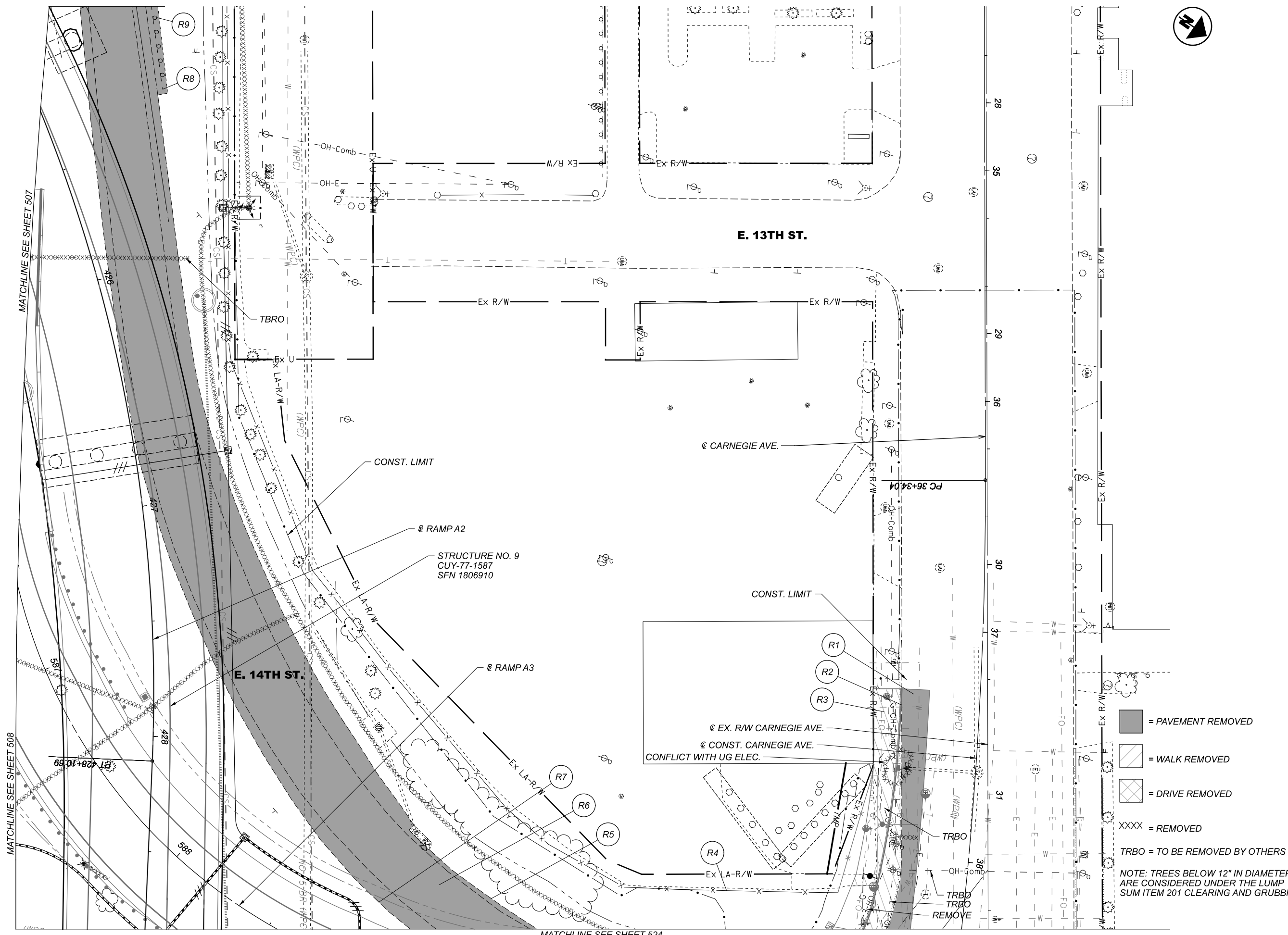
**Michael Baker**  
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
522	2339



REMOVAL PLAN  
 CARNEGIE AVE / E. 14TH ST

- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED
- XXXX = REMOVED
- TRBO = TO BE REMOVED BY OTHERS

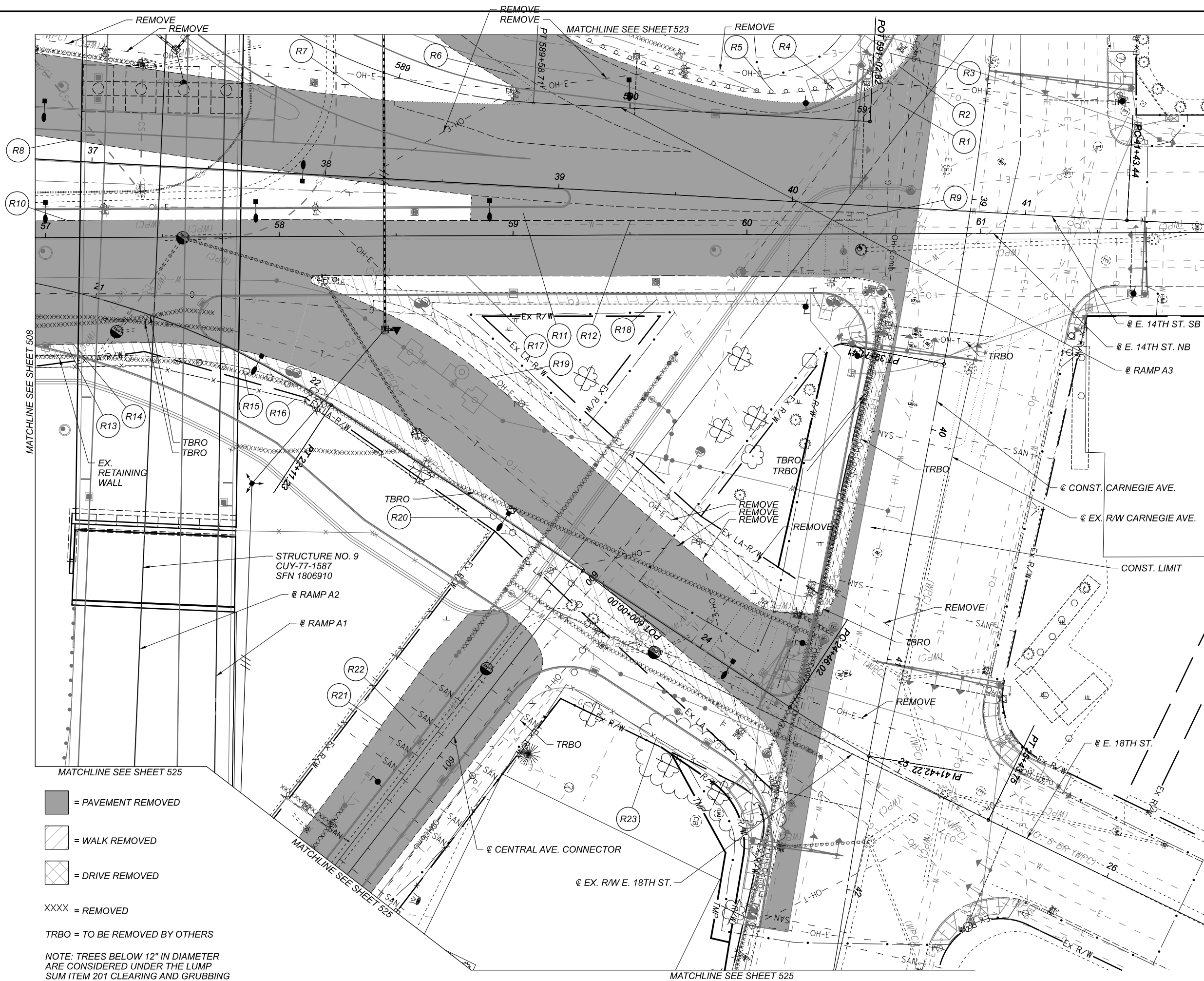
NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	523
TOTAL	2339

MATCHLINE SEE SHEET 507

MATCHLINE SEE SHEET 508

MATCHLINE SEE SHEET 524

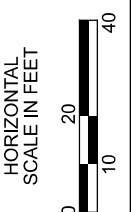


MATCHLINE SEE SHEET 525

- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED

XXXX = REMOVED  
 TBRO = TO BE REMOVED BY OTHERS

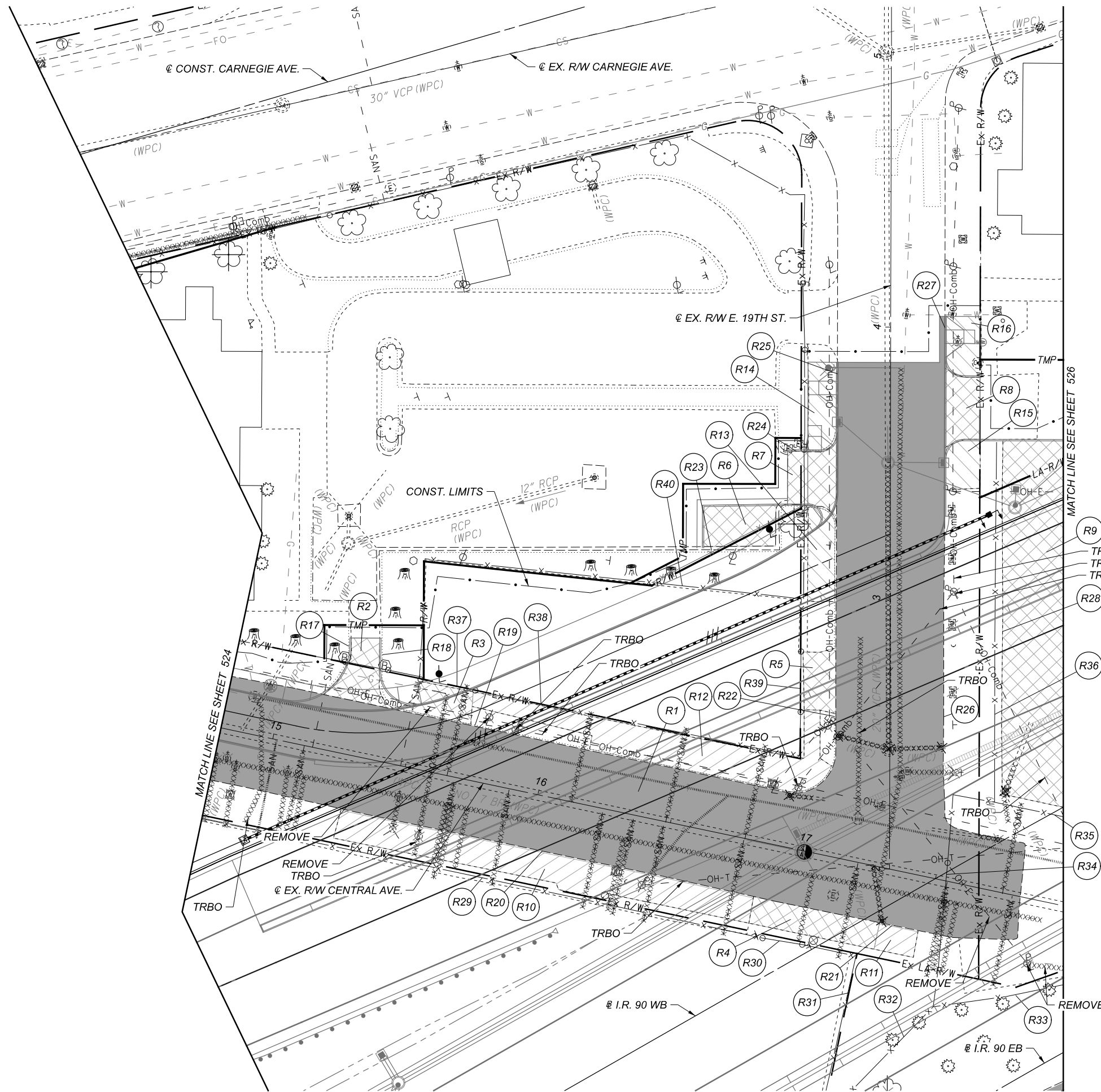
NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



**REMOVAL PLAN**  
**CARNEGIE AVE. / E. 14TH ST / E. 18TH ST**

DESIGN AGENCY	
<b>Michael Baker INTERNATIONAL</b>	
DESIGNER	
REVIEWER	
PROJECT ID 82382	
SHEET 524	TOTAL 2339





- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED
- xxxx = UTILITY REMOVED
- TRBO = TO BE REMOVED BY OTHERS

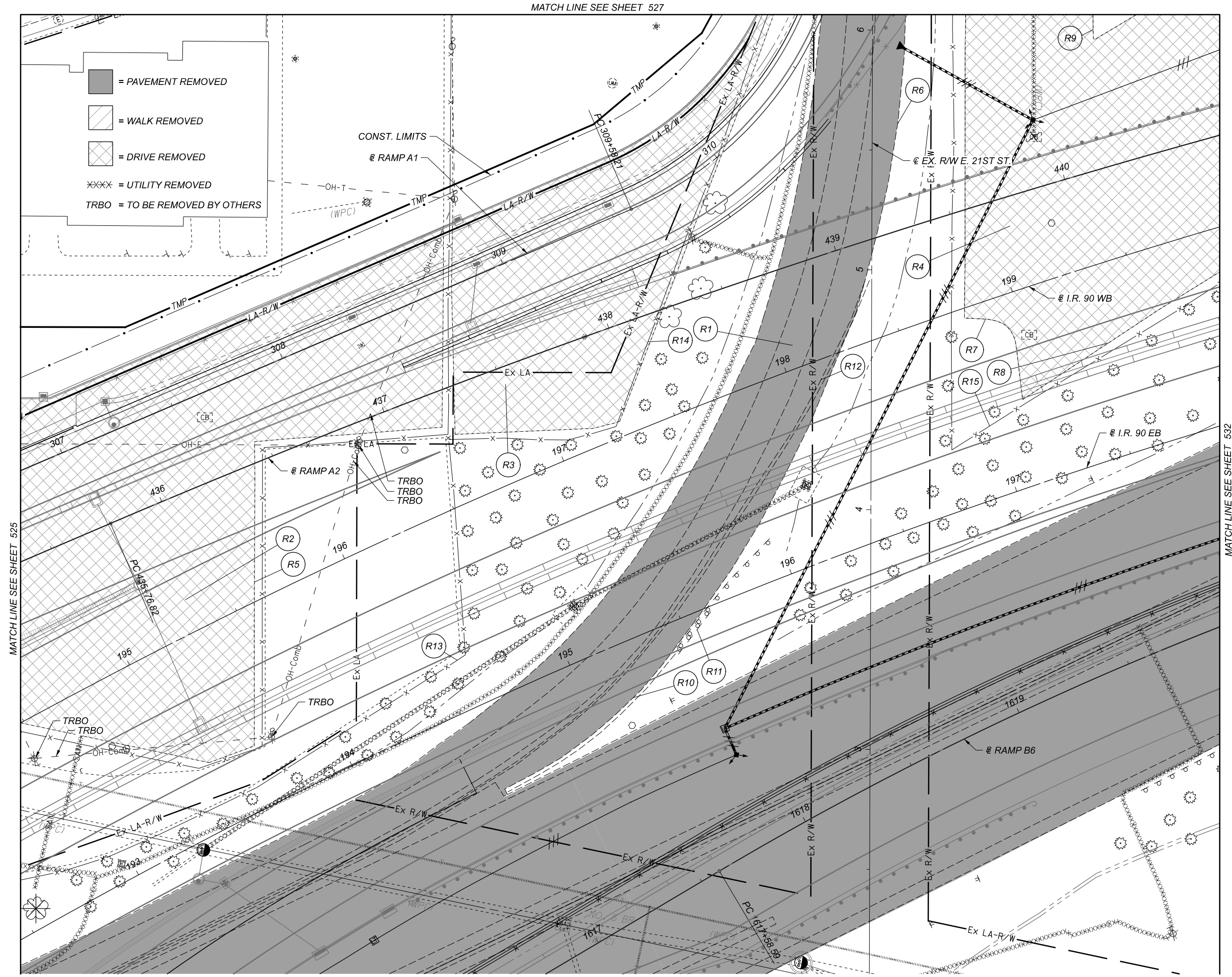


**REMOVAL PLAN**  
**E. 19TH ST. / CENTRAL AVE.**

DESIGN AGENCY



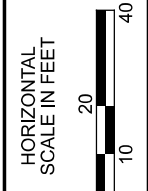
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382
SHEET	TOTAL
525	2339



MATCH LINE SEE SHEET 525

MATCH LINE SEE SHEET 527

MATCH LINE SEE SHEET 532



REMOVAL PLAN  
 RAMP A1 / RAMP A2 / I.R. 90

DESIGN AGENCY






DESIGNER  
 XXX

REVIEWER  
 XXX MM-DD-YY

PROJECT ID  
 82382

SHEET	TOTAL
526	2339

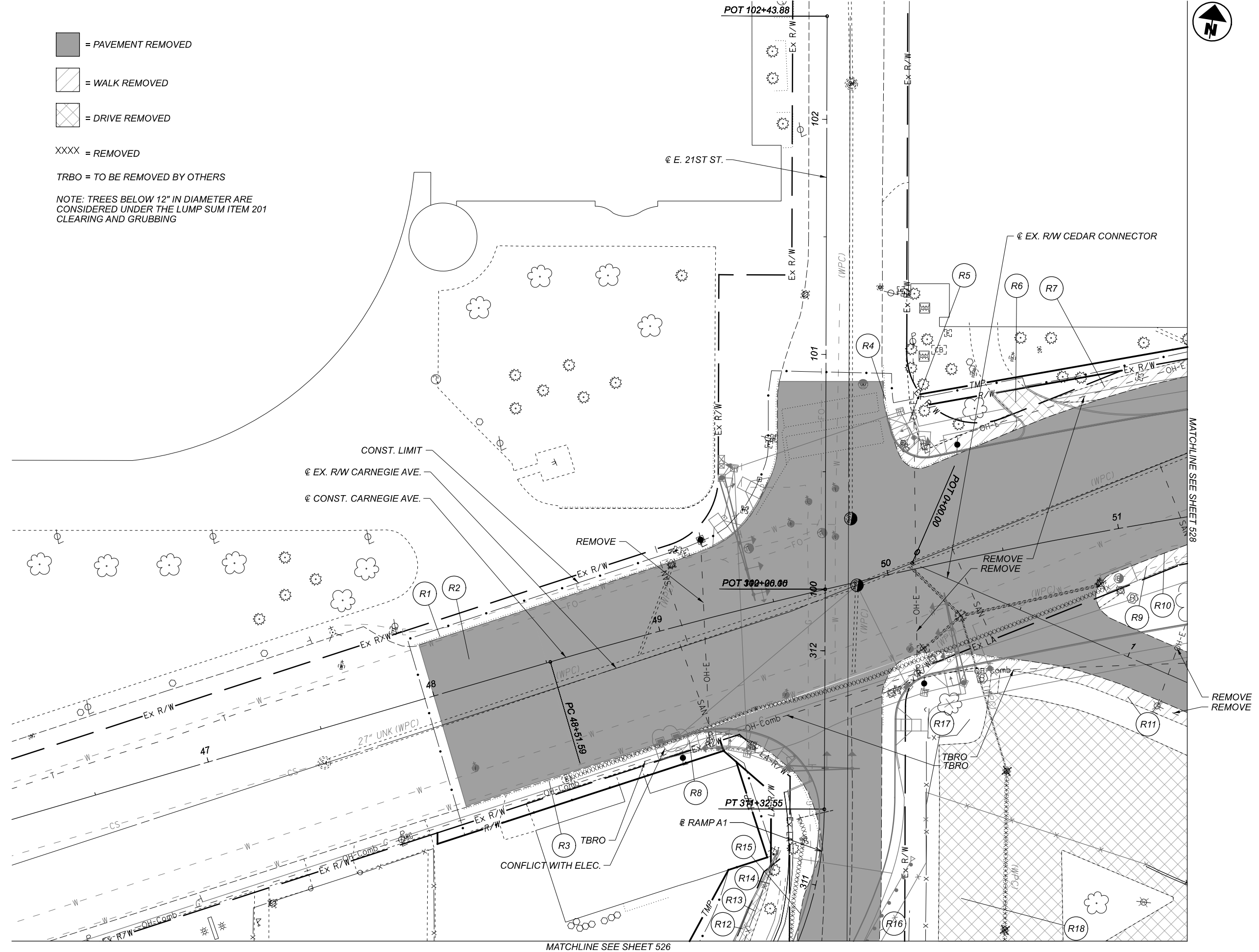


-  = PAVEMENT REMOVED
-  = WALK REMOVED
-  = DRIVE REMOVED

XXXX = REMOVED




TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



REMOVAL PLAN  
 CARNEGIE AVE. / E. 21ST ST / CEDAR AVE.

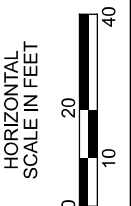
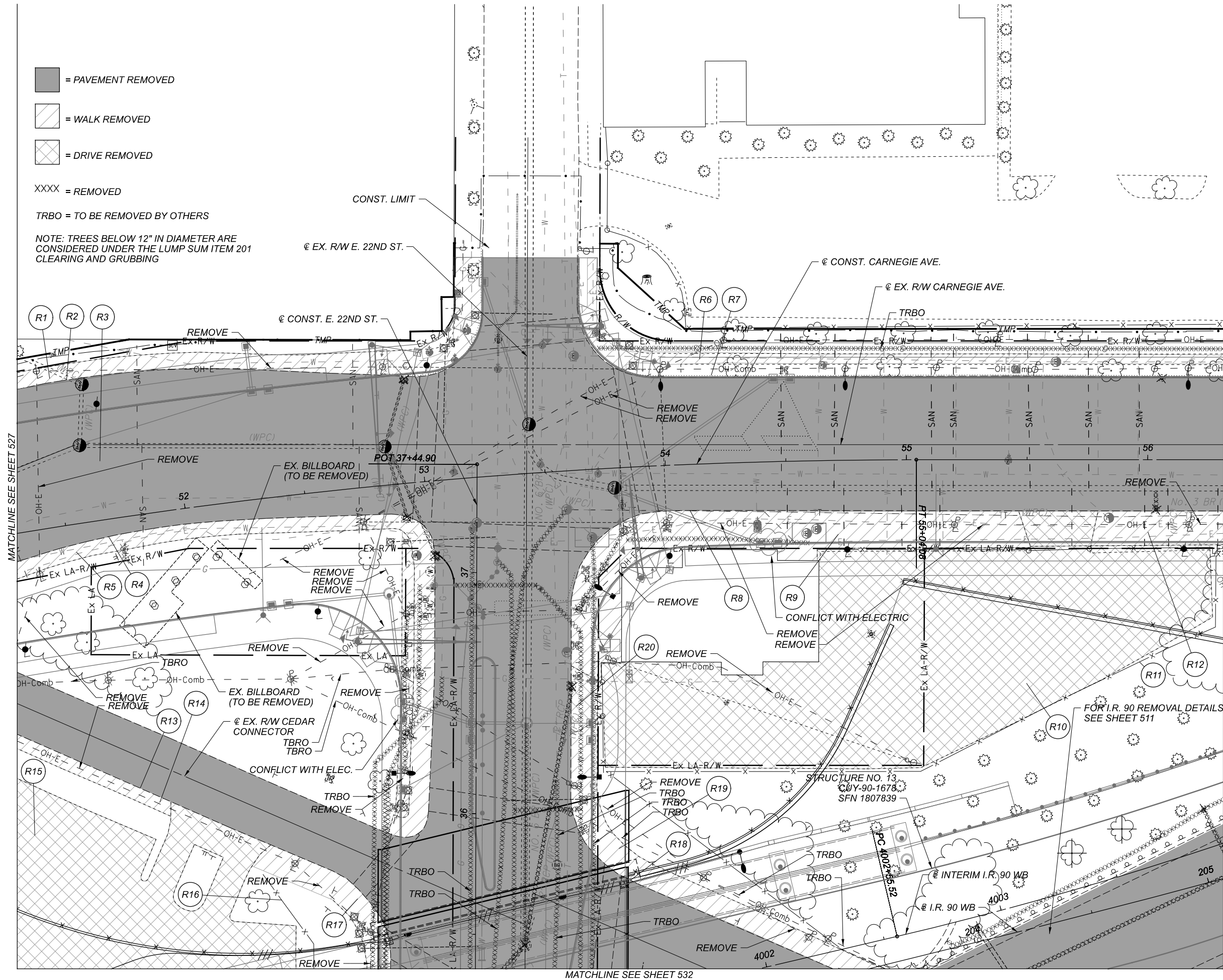
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	527
TOTAL	2339

-  = PAVEMENT REMOVED
-  = WALK REMOVED
-  = DRIVE REMOVED

XXXX = REMOVED

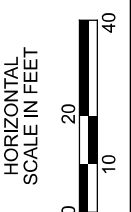
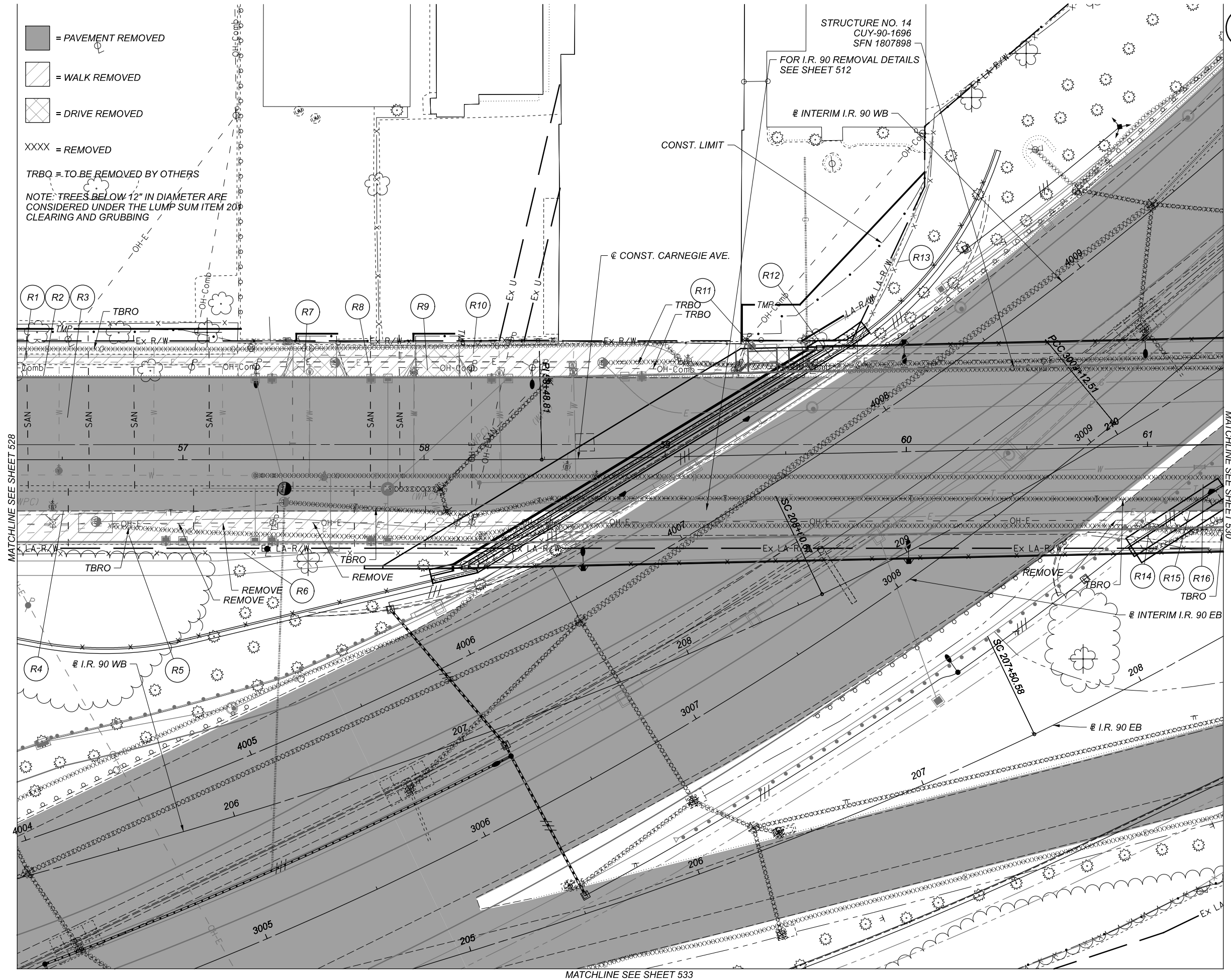
TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



REMOVAL PLAN  
CARNEGIE AVE. / E. 22ND ST / CEDAR AVE.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	528
TOTAL	2339



REMOVAL PLAN  
 CARNEGIE AVE. / I.R. 90

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

DESIGNER

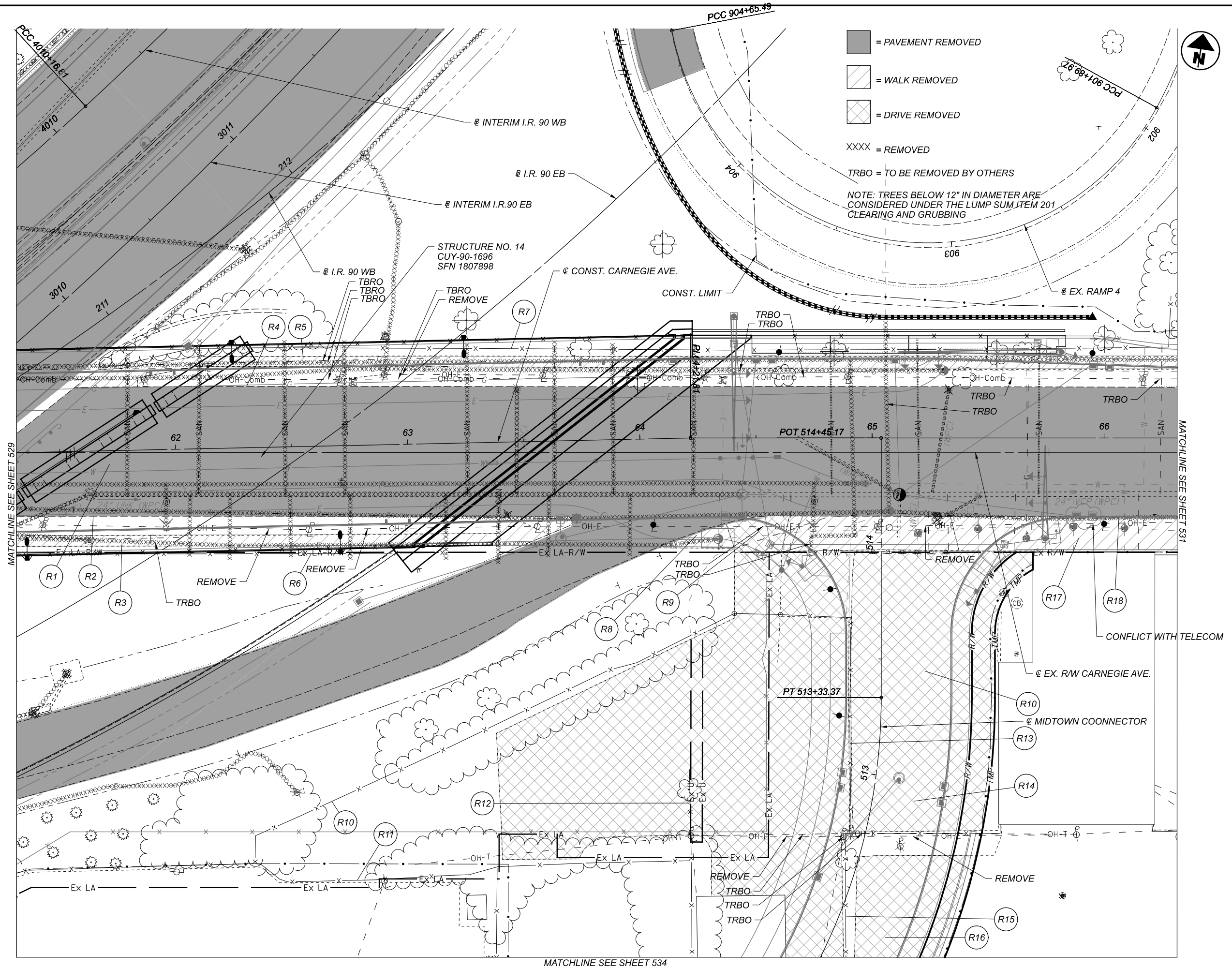
REVIEWER

PROJECT ID

82382

SHEET TOTAL

529 2339



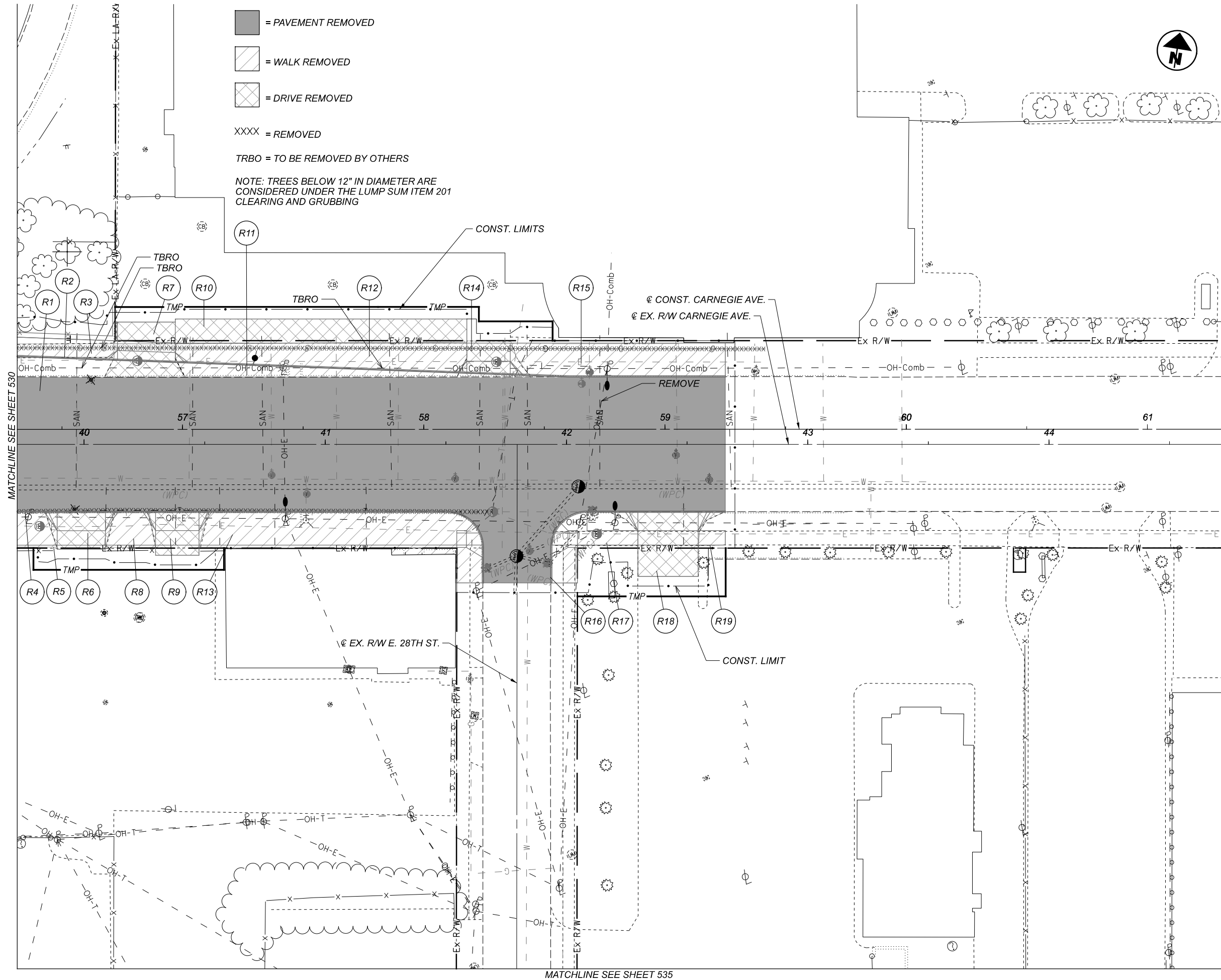
- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED
- XXXX = REMOVED
- TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



REMOVAL PLAN  
 CARNEGIE AVE. / MIDTOWN CONNECTOR

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	530 2339



- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED

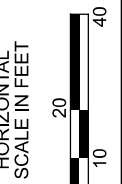
XXXX = REMOVED

TBRO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING

MATCHLINE SEE SHEET 530

MATCHLINE SEE SHEET 535



**REMOVAL PLAN**  
**CARNEGIE AVE / E 28TH ST**

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

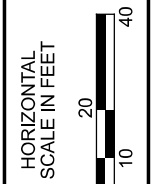
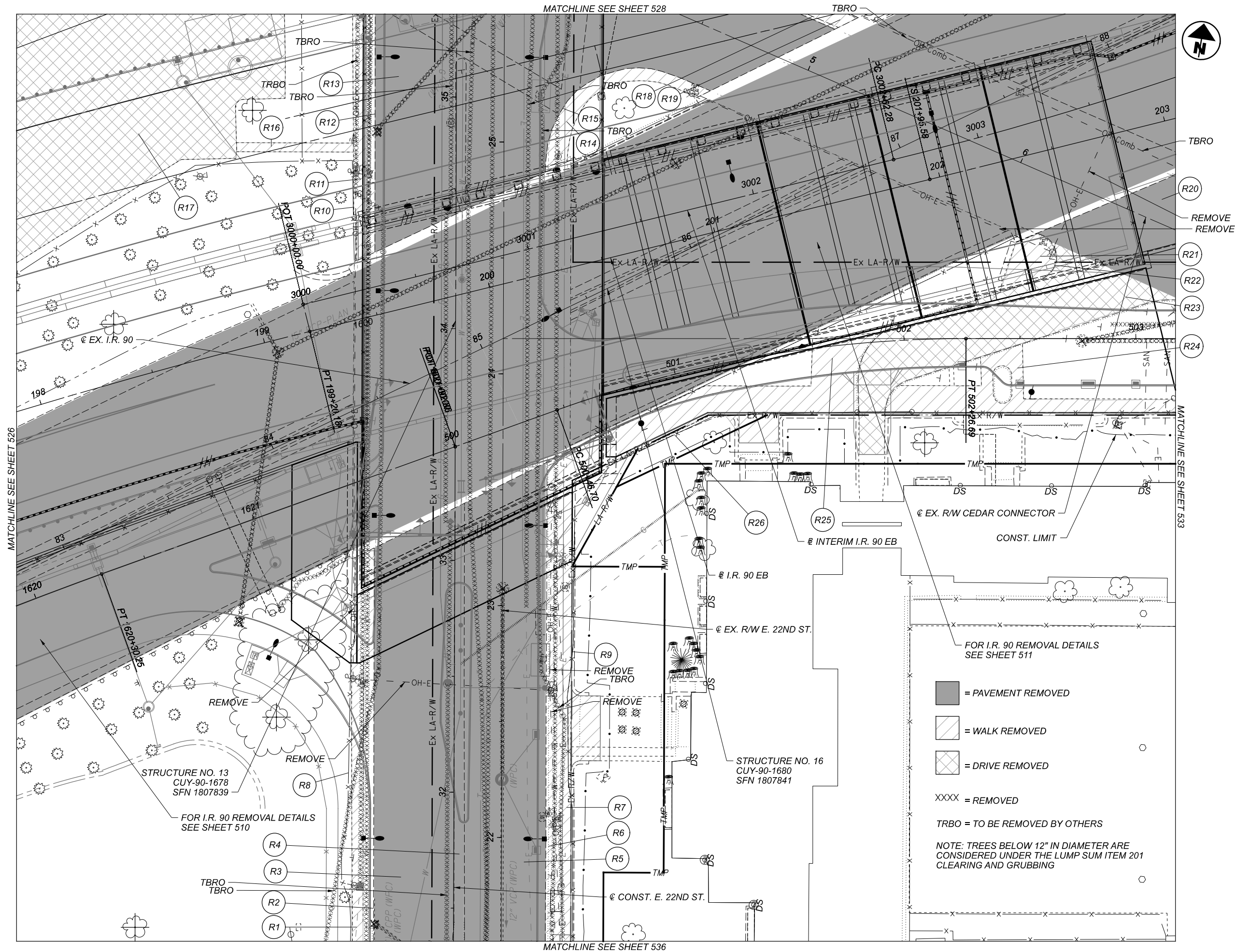
DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
531	2339



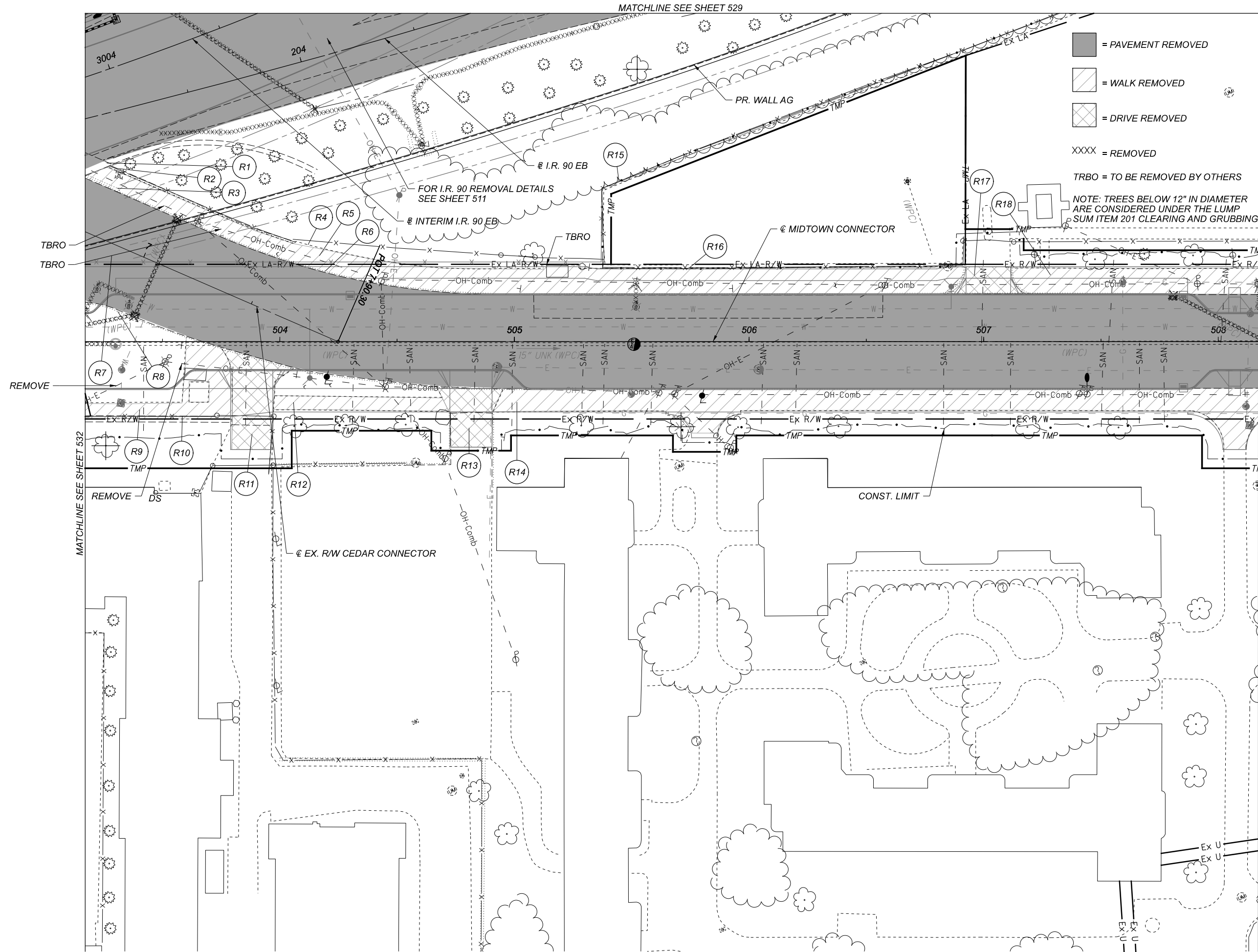


REMOVAL PLAN  
 E. 22ND ST / CEDAR CONNECTOR

DESIGN AGENCY	Michael Baker International
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	532 / 2339

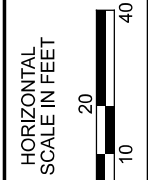
CUY-90-16.28 (CCG3A)

MODEL: 82382.GPJ015 PAPER/SCALE: 17x11 (in.) DATE: 6/22/2022 TIME: 10:33:08 PM USER: Kevin.McNutt  
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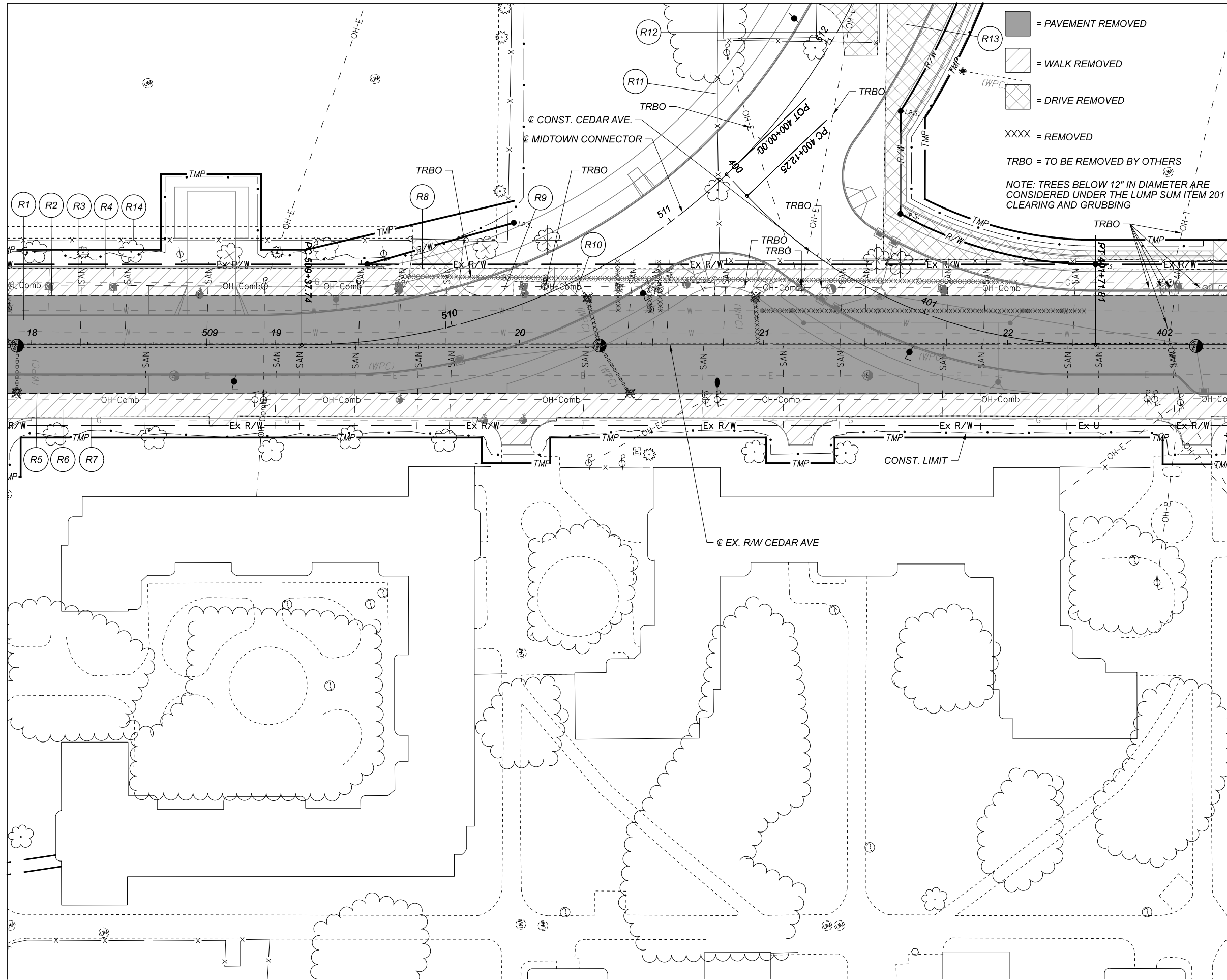
[Grey Box] = PAVEMENT REMOVED  
 [Diagonal Lines Box] = WALK REMOVED  
 [Cross-hatch Box] = DRIVE REMOVED  
 XXXX = REMOVED  
 TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



REMOVAL PLAN  
 CEDAR CONNECTOR / CEDAR AVE.

DESIGN AGENCY	
<b>Michael Baker INTERNATIONAL</b>	
DESIGNER	
REVIEWER	
PROJECT ID	
82382	
SHEET	TOTAL
533	2339



= PAVEMENT REMOVED  
 = WALK REMOVED  
 = DRIVE REMOVED  
 XXXX = REMOVED  
 TRBO = TO BE REMOVED BY OTHERS  
 NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING



REMOVAL PLAN  
 MIDTOWN CONNECTOR / CEDAR AVE.

DESIGN AGENCY

**Michael Baker**  
 INTERNATIONAL

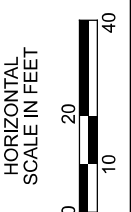
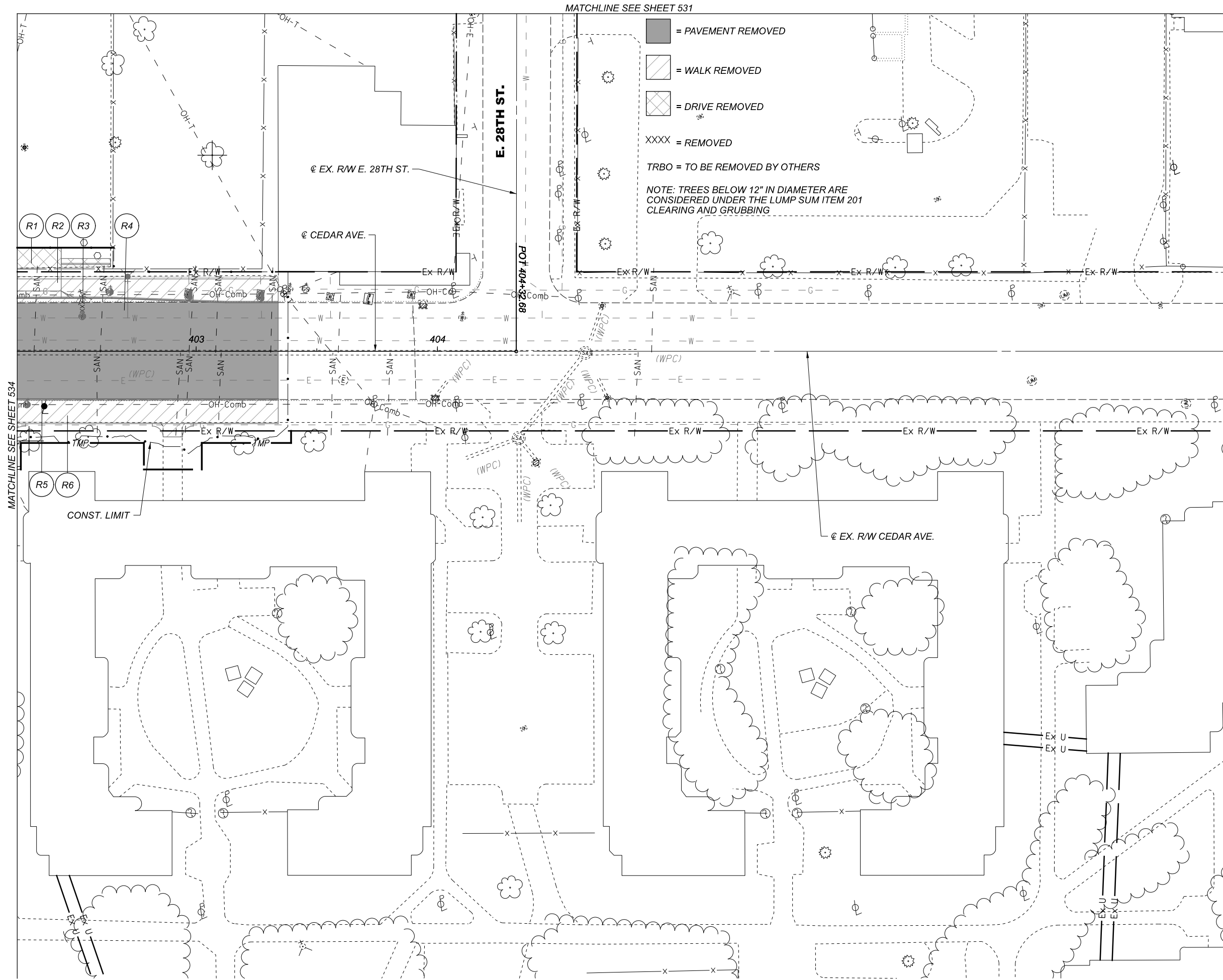
DESIGNER

REVIEWER

PROJECT ID  
 82382

SHEET	TOTAL
534	2339





REMOVAL PLAN  
CEDAR AVE.

DESIGN AGENCY

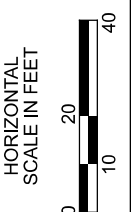
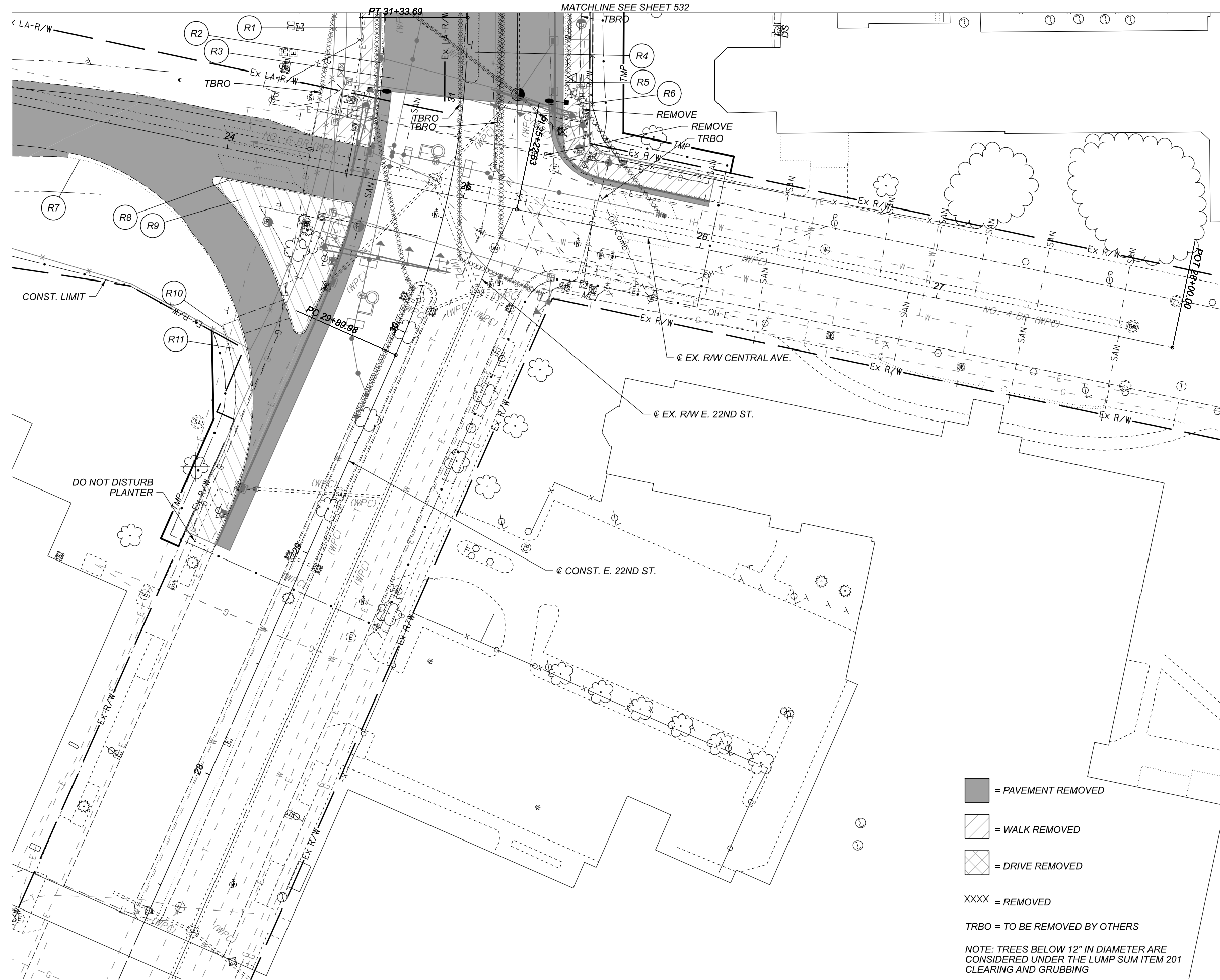
**Michael Baker**  
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID  
82382

SHEET	TOTAL
535	2339



REMOVAL PLAN  
 E. 22ND ST / CENTRAL AVE.

- = PAVEMENT REMOVED
- = WALK REMOVED
- = DRIVE REMOVED
- XXXX = REMOVED
- TRBO = TO BE REMOVED BY OTHERS

NOTE: TREES BELOW 12" IN DIAMETER ARE CONSIDERED UNDER THE LUMP SUM ITEM 201 CLEARING AND GRUBBING

DESIGN AGENCY	
<b>Michael Baker INTERNATIONAL</b>	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	536
TOTAL	2339