

F.A.U. RTE.	COUNTY	TOTAL SHEETS	SHEET NO.
8987	20-00238-01-RS MADISON	23	1
FEDERAL AID PROJECT		CONTRACT NO. 97792	

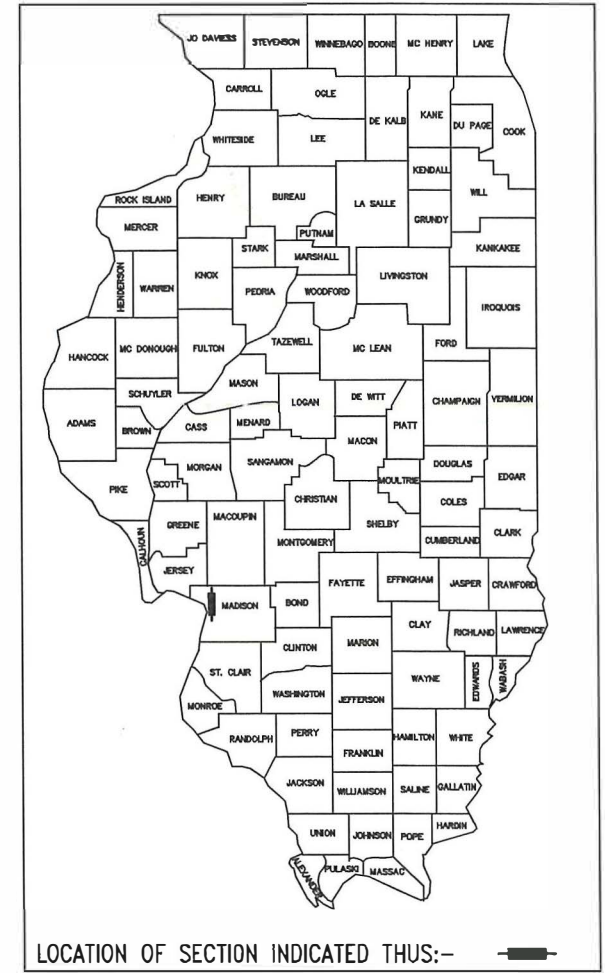
# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**11/18/2022 LETTING ITEM 098**

## STP FUNDS

### STATE STREET - PHASE 2

SECTION 20-00238-01-RS  
FAU ROUTE 8987  
PROJECT 11XC(963)  
CITY OF ALTON, ILLINOIS  
MADISON COUNTY  
JOB C-98-010-24



CONTACT JULIE AT 811 OR 800-892-0123  
With the following:

County MADISON  
City / Township CITY OF ALTON  
NW. 1/4 SEC. 7 T.5N., R.10W.  
SW. 1/4 SEC. 7 T.5N., R.10W.  
48 HOURS (2 working days) BEFORE YOU DIG

AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- |   |   |
|---|---|
| ILLINOIS AMERICAN WATER CO.<br>4436 INDUSTRIAL DRIVE<br>ALTON, ILLINOIS 62002<br>(618) 466-2131               | AT&T COMMUNICATIONS<br>203 GOETHE<br>COLLINSVILLE, IL 62234<br>(618) 346-6422     |
| AMEREN IP<br>700 OAKWOOD AVENUE<br>ALTON, ILLINOIS 62002<br>(618) 463-4041 (ELECTRIC)<br>(618) 463-4027 (GAS) | ALTON PUBLIC WORKS<br>2 EMMA KAUS LANE<br>ALTON, ILLINOIS 62002<br>(618) 466-3133 |
| CHARTER COMMUNICATIONS<br>4767 SIGNATURE INDUSTRIAL DRIVE<br>EDWARDSVILLE, IL 62025<br>(618) 779-4179         |   |

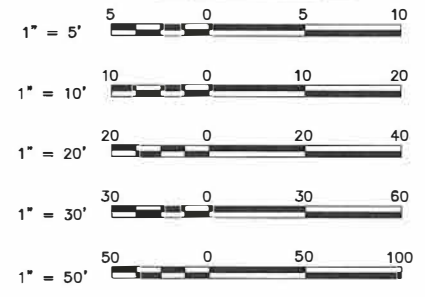
#### INDEX TO SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, LEGENDS, CONTROL POINTS, AND COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULES
- 6-11 PLAN AND PROFILE
- 12 TRAFFIC CONTROL PLAN
- 13-20 CONSTRUCTION DETAILS
- 21-23 PAVEMENT MARKING & SIGNING PLAN

#### HIGHWAY STANDARDS

000001-08	701301-04
001001-02	701311-03
001006	701501-06
424001-11	701801-06
424011-04	701901-08
424016-05	720001-01
442201-03	720006-04
602301-04	728001-01
602306-03	780001-05
604001-05	781001-04
604086-05	
701006-05	
701011-04	

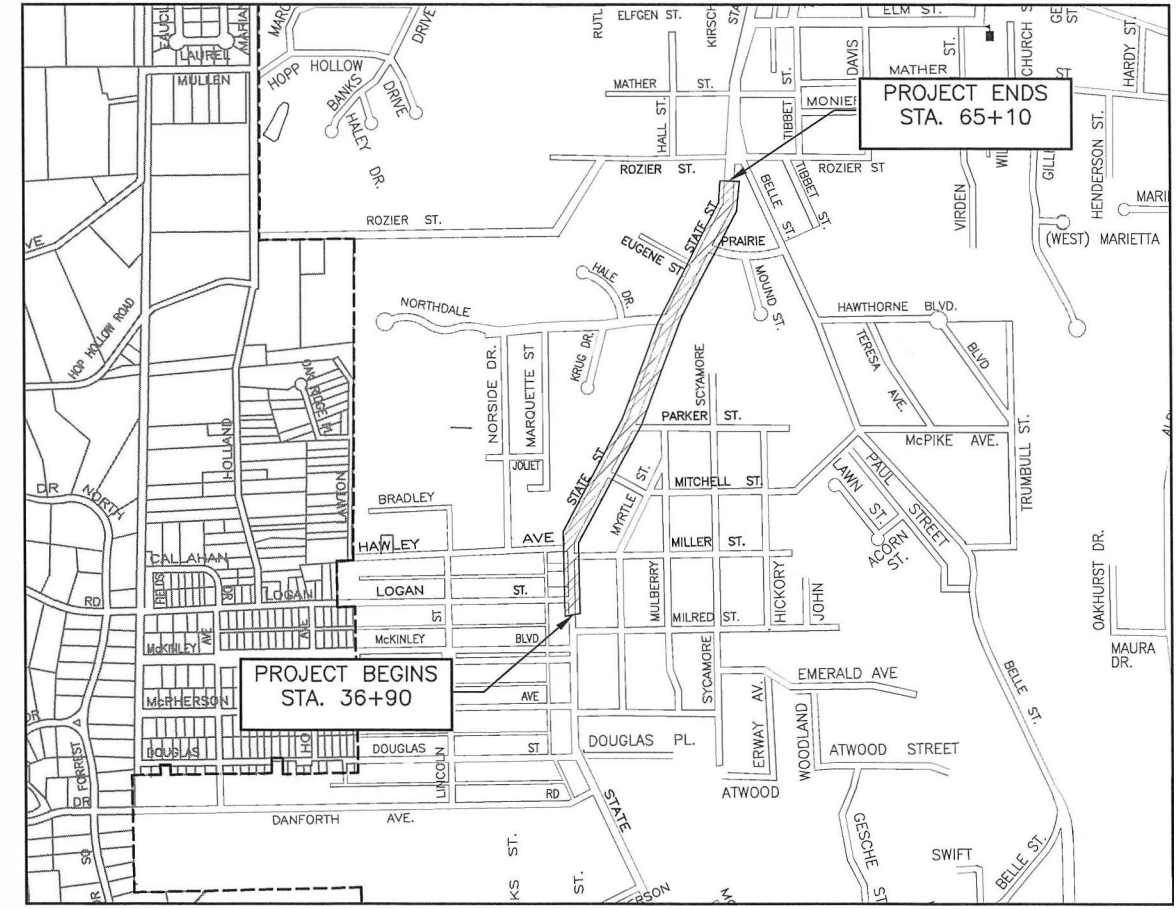
#### SCALES



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL  
DESIGN SPEED = 30 M.P.H.  
ADT: 7,700 (2016), 8,340 (2024)

TOWNSHIP 5N, RANGE 10W



**LOCATION MAP**  
SCALE IN FEET

GROSS LENGTH = 2,820 FEET = 0.534 MILES  
NET LENGTH = 2,820 FEET = 0.534 MILES

**SMS ENGINEERS** Sheppard Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS & LAND SURVEYORS  
215 Market Street  
Alton, Illinois 62002  
618/462-9755

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: AUGUST 4 2022  
David Hillis  
MAYOR

PASSED: 8/23 20 22  
[Signature]  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED UPON LIMITED  
REVIEW: 8/23 20 22  
[Signature]  
REGIONAL ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PROFESSIONAL ENGINEER  
TYLER J. HAZELWONDER  
062-070535

[Signature]

DATE SIGNED 8-5-2022  
EXPIRATION DATE 11-30-2023



**SUMMARY OF QUANTITIES**

CONSTRUCTION TYPE CODE		0004	
CODE NO.	ITEM	UNIT	QUANTITY
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10
20800150	TRENCH BACKFILL	CU YD	4
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	20
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5,751
40600990	TEMPORARY RAMP	SQ YD	414
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1,074
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,074
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	25
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	2,625
42400800	DETECTABLE WARNINGS	SQ FT	257
44000100	PAVEMENT REMOVAL	SQ YD	315
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	12,780
44000300	CURB REMOVAL	FOOT	263
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	96
44000600	SIDEWALK REMOVAL	SQ FT	2,409
44200144	PAVEMENT PATCHING, TYPE II, 12"	SQ YD	27
44200150	PAVEMENT PATCHING, TYPE IV, 12"	SQ YD	92
54248510	CONCRETE COLLAR	CU YD	2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	6
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	6
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	6
55100500	STORM SEWER REMOVAL 12"	FOOT	12
55100700	STORM SEWER REMOVAL 15"	FOOT	6
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	3
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1
60500060	REMOVING INLETS	EACH	3
60600605	CONCRETE CURB, TYPE B	FOOT	267

CONSTRUCTION TYPE CODE		0004	
CODE NO.	ITEM	UNIT	QUANTITY
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	109
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	770
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	257
70300211	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS - PAINT	SQ FT	16
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	9,707
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	509
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	330
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	240
* 72000100	SIGN PANEL - TYPE 1	SQ FT	143
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	303
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTER AND SYMBOLS	SQ FT	16
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,707
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	509
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	330
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	240
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4,300
X0326458	PAVEMENT REPLACEMENT, SPECIAL	SQ YD	305
X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	1
X4400196	HOT- MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	12
X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	8
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X7240300	SIGN REMOVAL	EACH	4
* X7350010	SIGN SUPPORT BRACKET	EACH	1
Z0012450	CONCRETE STEPS	CU YD	1
Z0012455	CONCRETE STEP REMOVAL	EACH	2
Z0019307	HOLES DRILLED	EACH	2

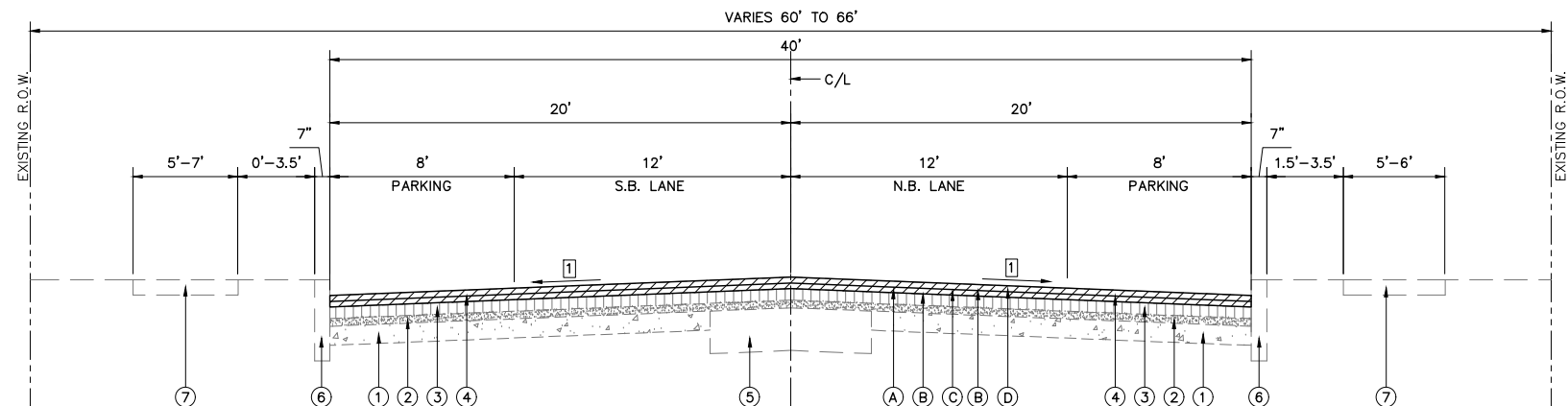
\* DENOTES SPECIALTY ITEM

REVISIONS									
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**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Mineral Street, Alton, IL 62002 618/662-9756 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000982

CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
 SUMMARY OF QUANTITIES

CONTRACT NO.	97792
F.A.U. RTE.	8987
REF. BK.	PG.
JOB NO.	500544
DSN. BY:	DEG
DRAWN BY:	COB
CHK. BY:	DEG
DATE:	MAY, 2022
SCALE:	N/A
SHEET	3 OF 23



**TYPICAL SECTION  
STATE ST.**  
STA. 36+90 TO STA. 65+10

**PAVING LEGEND**

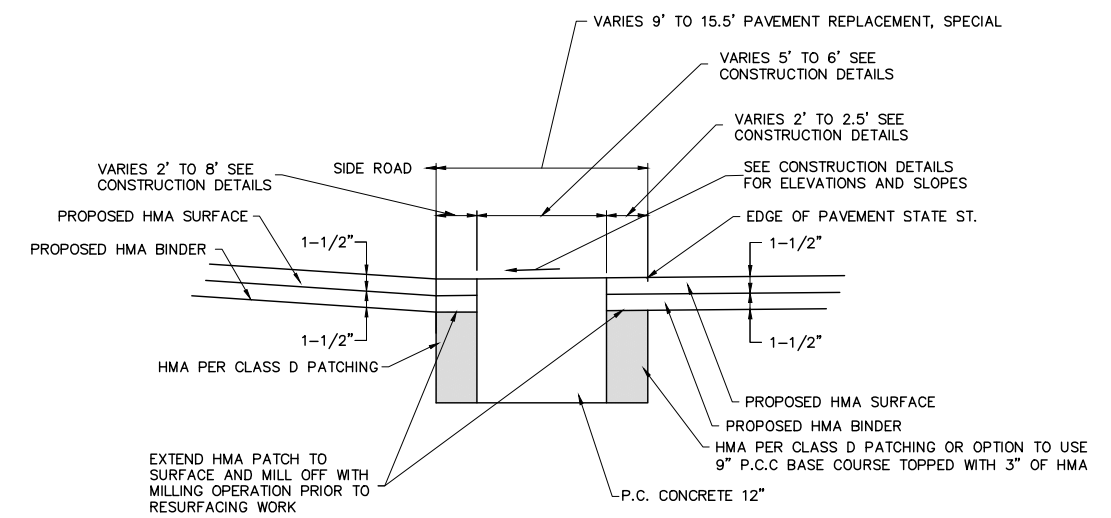
- ① EXISTING GRANULAR MATERIAL BASE, 5"±
- ② EXISTING SAND CUSHION, 2"±
- ③ EXISTING BRICK, 4"
- ④ EXISTING HMA SURFACE COURSE, 3"±
- ⑤ EXISTING ABANDONED STREET R.R. TIES - PARTLY ENCASED IN CONC.
- ⑥ EXISTING CONC CURB TYPE B
- ⑦ EXISTING SIDEWALK
- Ⓐ PROPOSED HMA SURFACE REMOVAL, 3" SHOWN AS
- Ⓑ PROPOSED BITUMINOUS MATERIALS (TACK COAT) (SSI-VH)
- Ⓒ PROPOSED HMA BINDER COURSE, IL-9.5, N70, 1-1/2"
- Ⓓ PROPOSED POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1-1/2"

**TYPICAL SECTION NOTES**

- ① MATCH EXISTING CROSS SLOPE WHICH IS 1.5% TO 2.0%

**MIX DESIGNS**

LOCATION	ENTIRE JOB		
	POLY SURFACE	BINDER	INCIDENTAL
MIXTURE USE	SBS PG 70-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ NDES = 70	4% @ NDES = 70	4% @ NDES = 50 OR 70
MIX COMPOSITION	IL 9.5	IL 9.5	----
FRICTION AGG	MIX D	MIX C	MIX C
MIXTURE WEIGHT	112.0 LB/SQ YD/INCH	112.0 LB/SQ YD/INCH	112.0 LB/SQ YD/INCH
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA
SUBPLOT SIZE	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO	NO



NOTE: THIS WORK SHALL BE DONE PRIOR TO THE MILLING AND RESURFACING WORK.

**PROPOSED TYPICAL SECTION  
CROSSWALKS AT SIDEROADS**

REVISIONS	
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**SMS** Sheppard, Morgan & Schwab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, Alton, IL 62002 618.462.9755 E-mail: mail@smsengineers.com  
**ENGINEERS** DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
 TYPICAL SECTIONS

CONTRACT NO.  
97792  
F.A.U. RTE. 8987

REF. BK.	PG.
JOB NO.	500544
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	MAY, 2022

SCALE: N/A

**SIGN AND POST SCHEDULE**

STATION	OFFSET	TYPE	DESCRIPTION	DIMENSIONS (IN.)		SIGN PANEL T1 (SQ FT)	TELES STL SIN SUPPORT (FOOT)	REMOVE AND RELOCATE SIGN PANEL (EACH)	SIGN REMOVAL (EACH)	SIGN SUPPORT BRACKET (EACH)	HOLES DRILLED (EACH)	COMMENT
				WIDTH	DEPTH							
<b>STATE STREET</b>												
36+30.00	22.5' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-9P	AHEAD	24	12	2.0						
37+38.50	33.0' LT	R1-1	STOP SIGN	30	30	6.3	16			1	1	
		D3-1	STREET NAME (LOGAN ST)	36	8	2.0						MOUNTED WITH STOP SIGN
		D3-1	STREET NAME (STATE ST)	36	8	2.0						MOUNTED WITH STOP SIGN
37+42.51	31.5' LT								1			EXISTING STOP SIGN
37+43.54	21.9' RT								1			EXISTING PEDESTRIAN SIGN
37+80.00	22.5' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
37+98.00	23.0' LT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
38+76.00	22.5' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-9P	AHEAD	24	12	2.0						
39+43.00	22.5' LT	W11-2	PEDESTRIAN	30	30	6.3	17				1	
		W16-9P	AHEAD	24	12	2.0						
39+59.14	22.0' RT								1			EXISTING PEDESTRIAN SIGN
40+26.00	28.0' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
40+27.00	21.8' LT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
40+36.00	22.5' LT		MCT BUS SIGN	12	18		15	1				RELOCATED FROM 40+25 LT
40+62.15	26.0' LT								1			EXISTING PEDESTRIAN SIGN
41+51.00	23.0' LT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-9P	AHEAD	24	12	2.0						
54+52.00	23.5' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-9P	AHEAD	24	12	2.0						
55+98.00	30.5' LT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
56+02.00	23.0' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
57+70.00	23.5' LT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-9P	AHEAD	24	12	2.0						
60+00.00	23.5' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-9P	AHEAD	24	12	2.0						
61+78.00	23.0' LT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
61+81.00	23.0' RT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
63+20.00	23.5' LT	W11-2	PEDESTRIAN	30	30	6.3	17					
		W16-7P	DOWNWARD DIAGONAL ARROW	24	12	2.0						
<b>TOTAL</b>						<b>143</b>	<b>303</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>2</b>	

- NOTES:
1. ALL SIGNS SHALL BE LOCATED PER HIGHWAY STANDARD 720006 UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
  2. STREET NAME SIGNS SHALL BE GREEN AND TEXT SHALL BE PRINTED ON BOTH SIDES. THE ACTUAL LENGTH REQUIRED SHALL BE AS NEEDED TO ACCOMMODATE THE TEXT AND SHALL BE DETERMINED BY THE SIGN MANUFACTURER
  3. ALL PEDESTRIAN SIGNS SHALL BE FLUORESCENT YELLOW-GREEN (FYG) COLOR AND TYPE "AZ" SHEETING.

**MANHOLES TO BE ADJUSTED SCHEDULE**

STATION	OFFSET	TYPE	MANHOLES TO BE ADJUSTED (SPECIAL) (EA.)	MAN AD NEW T1F OL (EA.)
<b>STATE STREET</b>				
37+64.37	7.93' LT	SANITARY	1	
40+02.99	8.10' LT	SANITARY	1	
40+95.68	12.34' LT	SANITARY	1	
45+62.30	17.72' RT	STORM		1
45+73.78	8.20' LT	SANITARY	1	
48+85.89	8.79' LT	SANITARY	1	
56+36.48	7.40' LT	SANITARY	1	
57+65.03	7.96' LT	SANITARY	1	
61+29.55	9.01' LT	SANITARY	1	
<b>TOTALS</b>			<b>8</b>	<b>1</b>

**PAVEMENT PATCHING SCHEDULE**

STATION TO STATION	LANE	LENGTH (FEET)	WIDTH (FEET)	PAVEMENT PATCHING, 12 INCH (SQ. YD.)		COMMENTS	
				TYPE II	TYPE IV		
<b>STATE STREET</b>							
39+95	40+10	SB	15	6	10.0		
42+00	42+06	SB	6	8	5.3		
42+00	42+15	NB	15	15		25.0	
45+75	45+99	NB	24	25		66.7	
63+90	64+10	NB	20	5	11.1		
<b>TOTALS</b>					<b>27</b>	<b>92</b>	

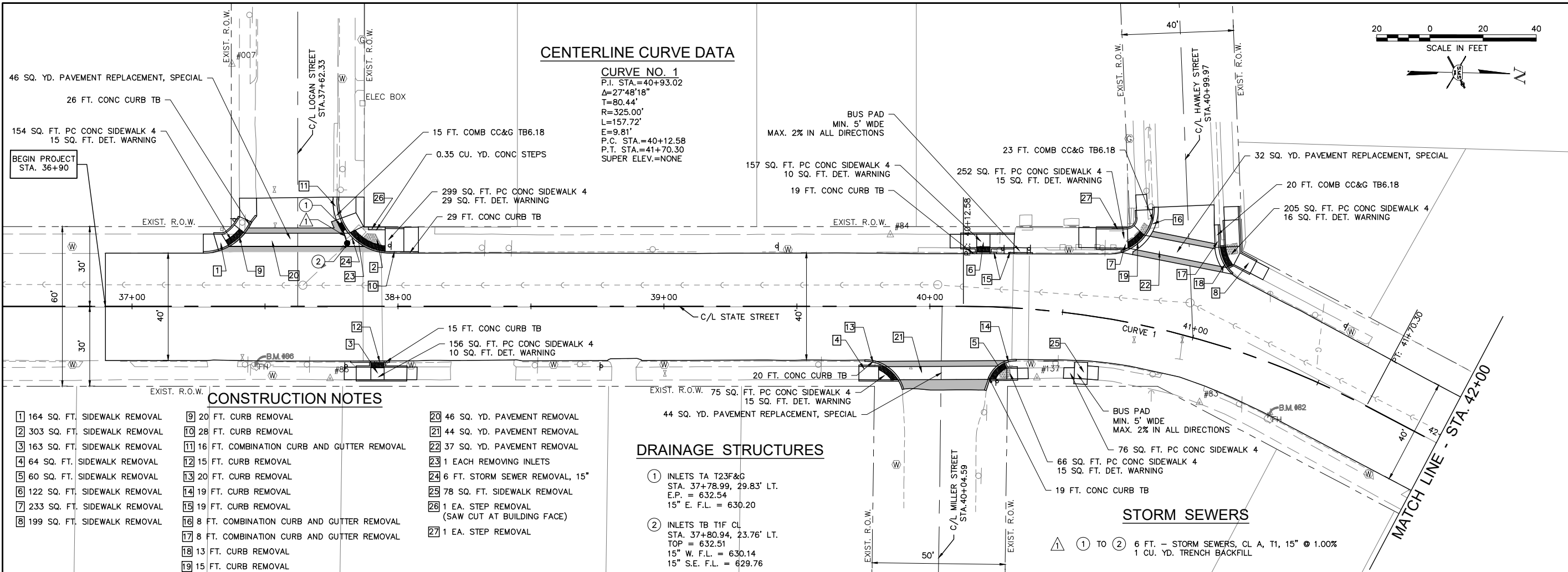
SB Denotes South Bound Lane  
NB Denotes North Bound Lane

REVISIONS											
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**SMS** Sheppard, Morgan & Schwaab, Inc.  
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215 Market Street, Alton, IL 62002 618.462.9755 E-mail: mail@smsengineers.com  
**ENGINEERS** DESIGN FIRM # 184-000992

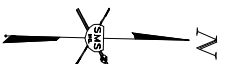
CITY OF ALTON, ILLINOIS  
SECTION 20-00238-01-RS  
STATE STREET  
SCHEDULES

CONTRACT NO. 97792  
F.A.U. RTE. 8987  
REF. BK. PG.  
JOB NO. 500544  
DSN. BY: DEG  
DWN. BY: CDP  
CHK. BY: DEG  
DATE: MAY, 2022



**CENTERLINE CURVE DATA**

**CURVE NO. 1**  
 P.I. STA.=40+93.02  
 $\Delta=27^{\circ}48'18''$   
 $T=80.44'$   
 $R=325.00'$   
 $L=157.72'$   
 $E=9.81'$   
 P.C. STA.=40+12.58  
 P.T. STA.=41+70.30  
 SUPER ELEV.=NONE



**CONSTRUCTION NOTES**

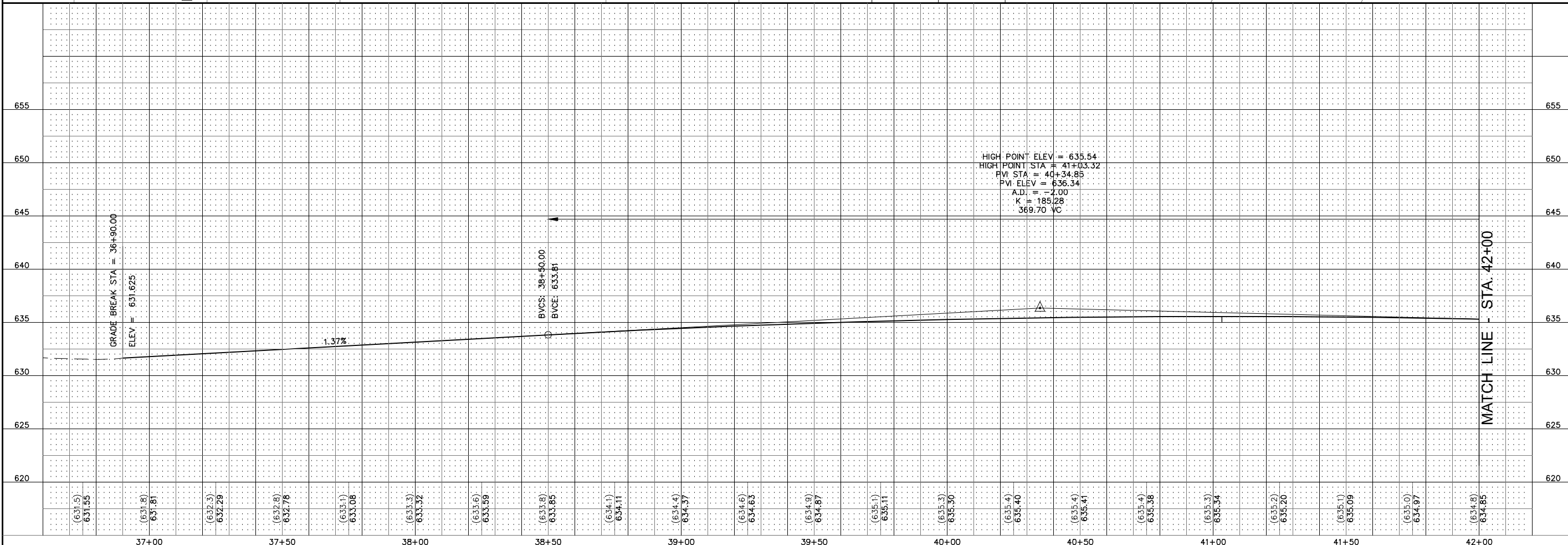
- |                                |   |  |
|--------------------------------|---|--|
| 1 164 SQ. FT. SIDEWALK REMOVAL | 9 20 FT. CURB REMOVAL                         | 20 46 SQ. YD. PAVEMENT REMOVAL                   |
| 2 303 SQ. FT. SIDEWALK REMOVAL | 10 28 FT. CURB REMOVAL                        | 21 44 SQ. YD. PAVEMENT REMOVAL                   |
| 3 163 SQ. FT. SIDEWALK REMOVAL | 11 16 FT. COMBINATION CURB AND GUTTER REMOVAL | 22 37 SQ. YD. PAVEMENT REMOVAL                   |
| 4 64 SQ. FT. SIDEWALK REMOVAL  | 12 15 FT. CURB REMOVAL                        | 23 1 EACH REMOVING INLETS                        |
| 5 60 SQ. FT. SIDEWALK REMOVAL  | 13 20 FT. CURB REMOVAL                        | 24 6 FT. STORM SEWER REMOVAL, 15"                |
| 6 122 SQ. FT. SIDEWALK REMOVAL | 14 19 FT. CURB REMOVAL                        | 25 78 SQ. FT. SIDEWALK REMOVAL                   |
| 7 233 SQ. FT. SIDEWALK REMOVAL | 15 19 FT. CURB REMOVAL                        | 26 1 EA. STEP REMOVAL (SAW CUT AT BUILDING FACE) |
| 8 199 SQ. FT. SIDEWALK REMOVAL | 16 8 FT. COMBINATION CURB AND GUTTER REMOVAL  | 27 1 EA. STEP REMOVAL                            |
|                                | 17 8 FT. COMBINATION CURB AND GUTTER REMOVAL  |  |
|                                | 18 13 FT. CURB REMOVAL                        |  |
|                                | 19 15 FT. CURB REMOVAL                        |  |

**DRAINAGE STRUCTURES**

- 1 INLETS TA T23F&G  
 STA. 37+78.99, 29.83' LT.  
 E.P. = 632.54  
 15" E. F.L. = 630.20
- 2 INLETS TB T1F CL  
 STA. 37+80.94, 23.76' LT.  
 TOP = 632.51  
 15" W. F.L. = 630.14  
 15" S.E. F.L. = 629.76

**STORM SEWERS**

1 TO 2 6 FT. - STORM SEWERS, CL A, T1, 15" @ 1.00%  
 1 CU. YD. TRENCH BACKFILL



REVISIONS

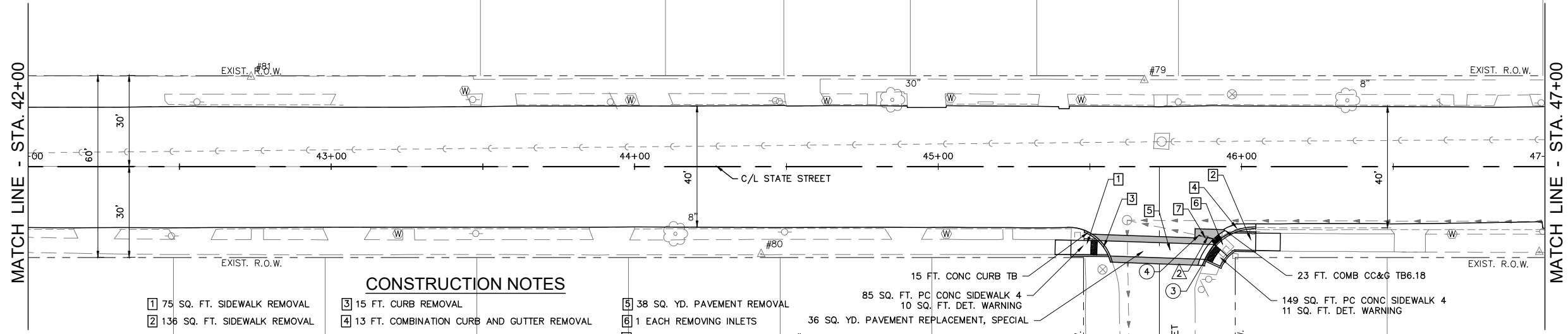
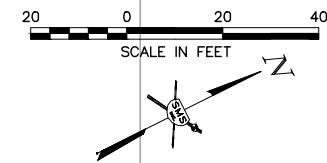

**SMS ENGINEERS**  
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 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
 PLAN AND PROFILE

CONTRACT NO. 97792  
 F.A.U. RTE. 8987

REF. BK.	PG.
JOB NO. 500544	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: MAY, 2022	

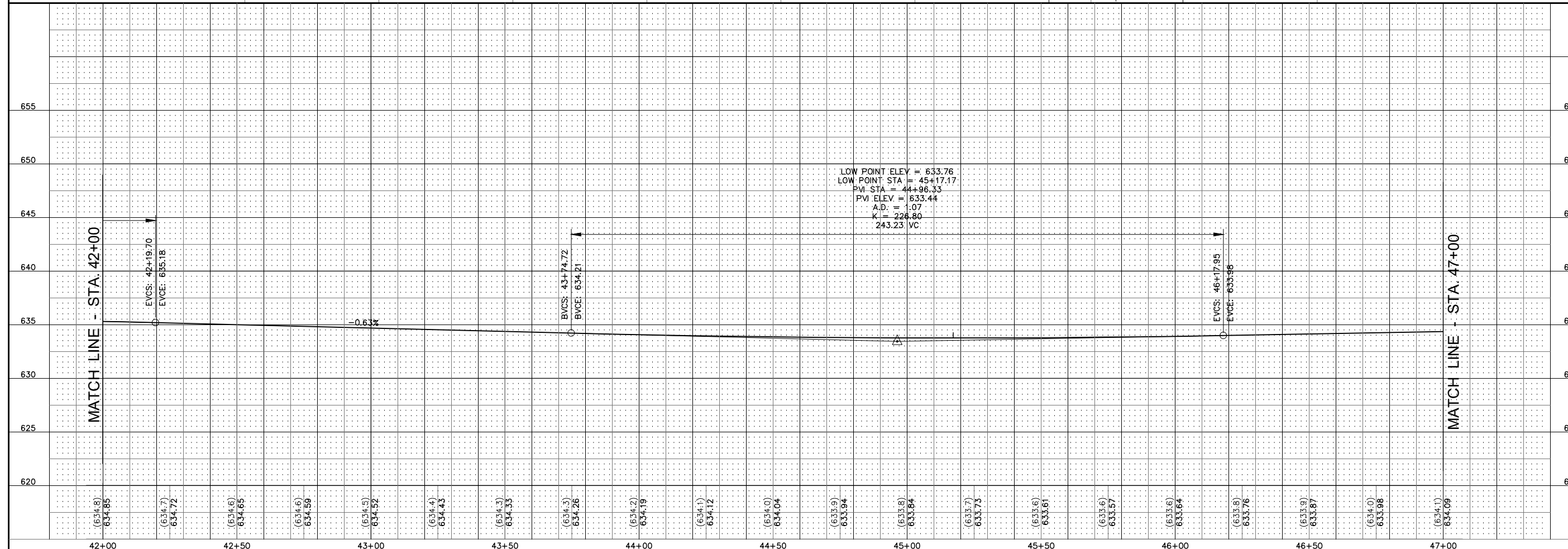
SCALE:  
 SHEET 6 OF 23



- CONSTRUCTION NOTES**
- 1 75 SQ. FT. SIDEWALK REMOVAL
  - 2 136 SQ. FT. SIDEWALK REMOVAL
  - 3 15 FT. CURB REMOVAL
  - 4 13 FT. COMBINATION CURB AND GUTTER REMOVAL
  - 5 38 SQ. YD. PAVEMENT REMOVAL
  - 6 1 EACH REMOVING INLETS
  - 7 6 FT. STORM SEWER REMOVAL, 12"
  - 85 SQ. FT. PC CONC SIDEWALK 4 10 SQ. FT. DET. WARNING
  - 36 SQ. YD. PAVEMENT REPLACEMENT, SPECIAL
  - 15 FT. CONC CURB TB
  - 23 FT. COMB CC&G TB6.18
  - 149 SQ. FT. PC CONC SIDEWALK 4 11 SQ. FT. DET. WARNING

- DRAINAGE STRUCTURES**
- 3 INLETS TA T23F&G STA. 45+91.85, 24.10' RT. E.P. = 633.00 12" S.W. F.L. = 630.32
  - 4 CONN TO EXIST SEWER CONCRETE COLLAR STA. 45+85.91, 22.74' RT. 12" S.W. F.L. = 630.26
- STORM SEWERS**
- 3 TO 4 6 FT. - STORM SEWERS, CL A, T1, 12" @ 1.00% 1 CU. YD. TRENCH BACKFILL

LOW POINT ELEV = 633.76  
 LOW POINT STA = 45+17.17  
 PVI STA = 44+96.33  
 PVI ELEV = 633.44  
 A.D. = .07  
 K = 226.80  
 243.23' VC



REVISIONS


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CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
 PLAN AND PROFILE

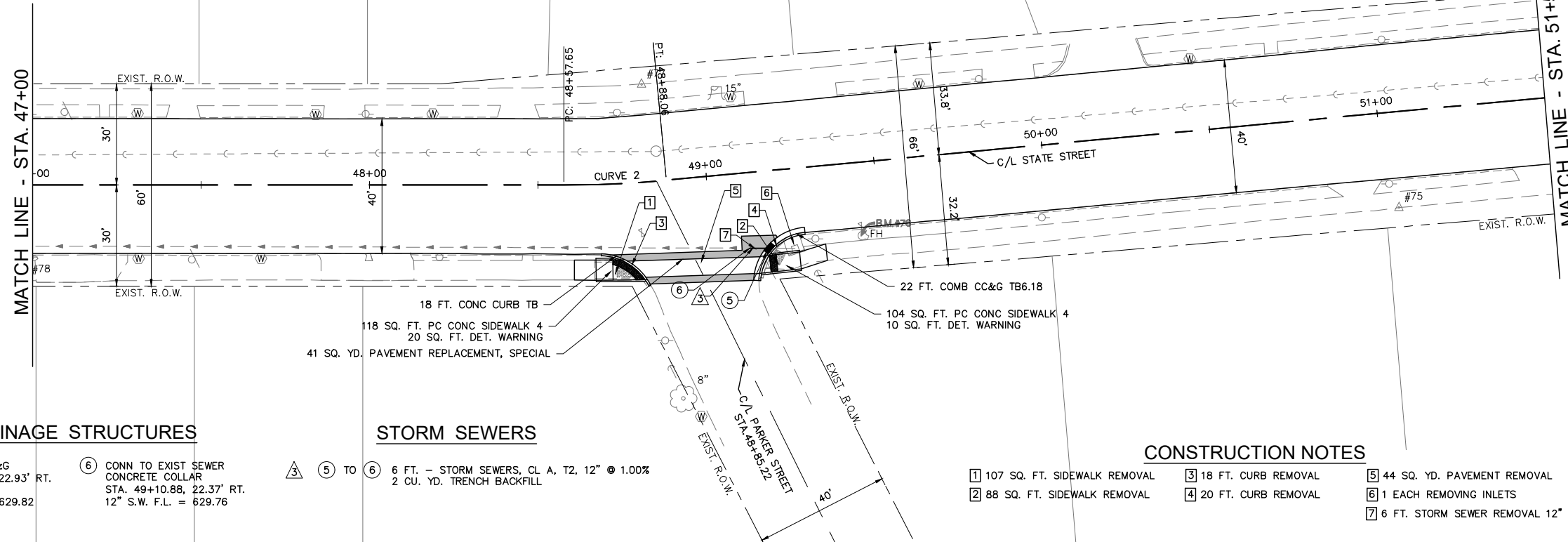
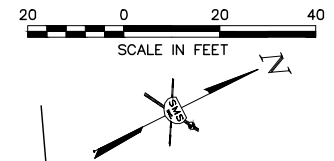
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 F.A.U. RTE. 8987

REF. BK.	PG.
JOB NO. 500544	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: MAY, 2022	

SCALE:  
 SHEET 7 OF 23

**CENTERLINE CURVE DATA**

**CURVE NO. 2**  
 P.I. STA.=48+72.87  
 $\Delta=05^{\circ}21'41''$   
 $T=15.22'$   
 $R=325.00'$   
 $L=30.41'$   
 $E=0.36'$   
 P.C. STA.=48+57.65  
 P.T. STA.=48+88.07  
 SUPER ELEV.=NONE



**DRAINAGE STRUCTURES**

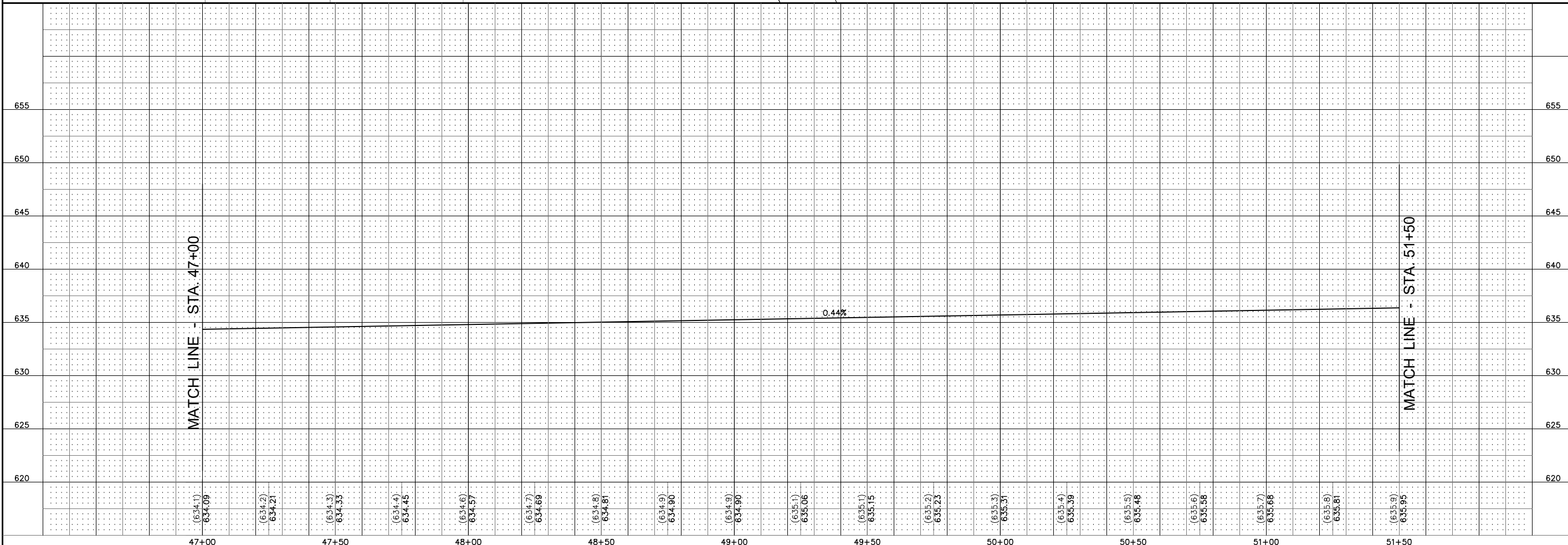
- ⑤ INLETS TA T23F&G  
 STA. 49+16.66, 22.93' RT.  
 E.P. = 634.40  
 12" S.W. F.L. = 629.82
- ⑥ CONN TO EXIST SEWER  
 CONCRETE COLLAR  
 STA. 49+10.88, 22.37' RT.  
 12" S.W. F.L. = 629.76

**STORM SEWERS**

- ⑤ TO ⑥ 6 FT. - STORM SEWERS, CL A, T2, 12" @ 1.00%  
 2 CU. YD. TRENCH BACKFILL

**CONSTRUCTION NOTES**

- ① 107 SQ. FT. SIDEWALK REMOVAL
- ② 88 SQ. FT. SIDEWALK REMOVAL
- ③ 18 FT. CURB REMOVAL
- ④ 20 FT. CURB REMOVAL
- ⑤ 44 SQ. YD. PAVEMENT REMOVAL
- ⑥ 1 EACH REMOVING INLETS
- ⑦ 6 FT. STORM SEWER REMOVAL 12"



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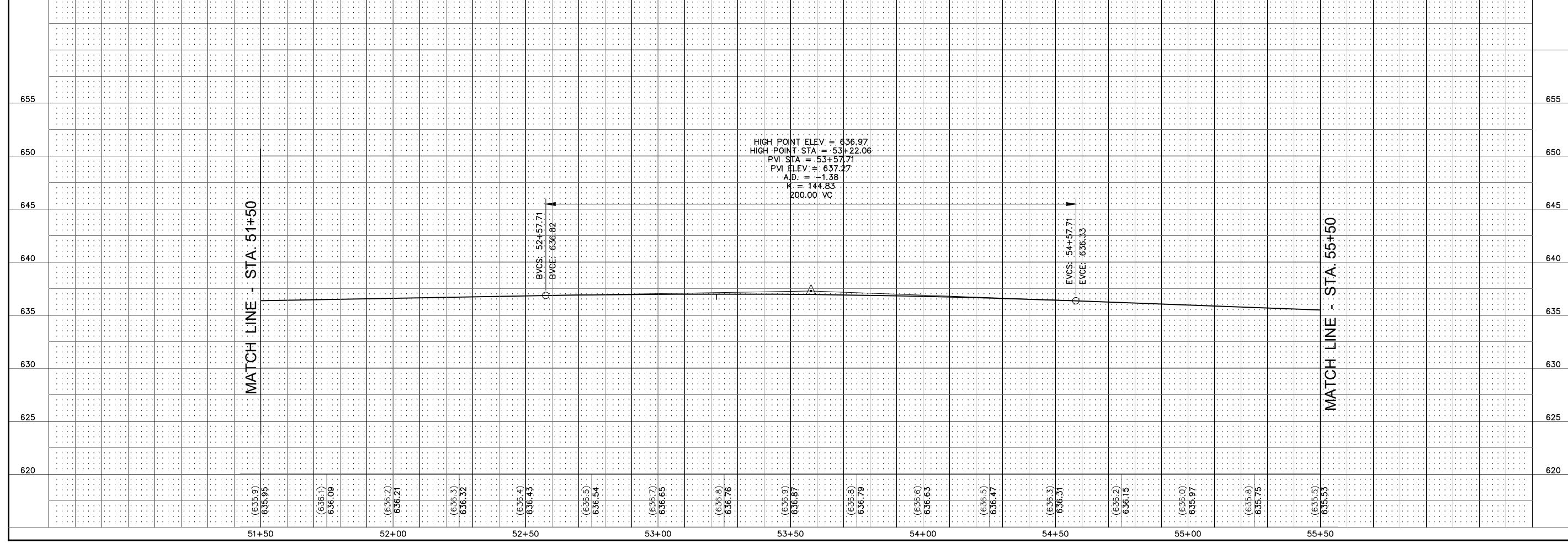
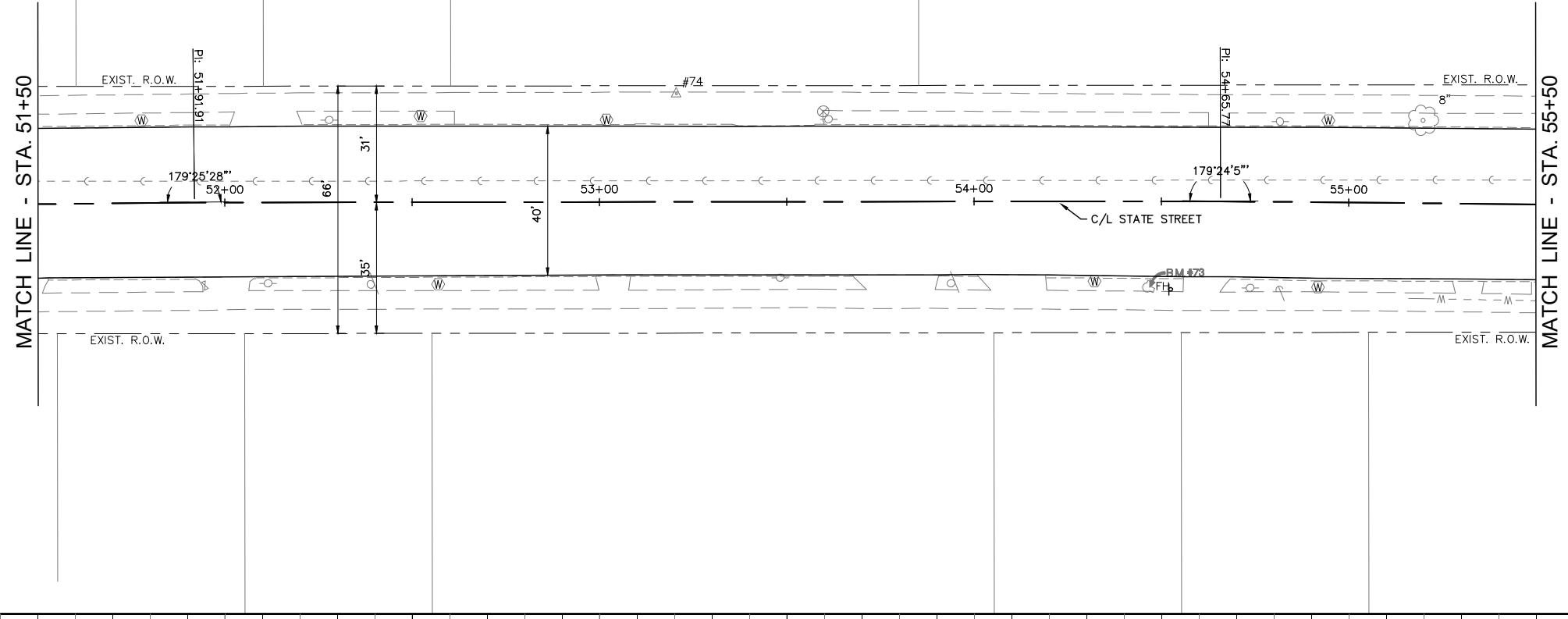
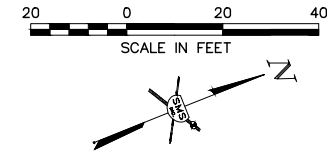
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JOB NO. 500544	
DSN. BY: DEG	
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CHK. BY: DEG	
DATE: MAY, 2022	

SCALE:

SHEET 8 OF 23



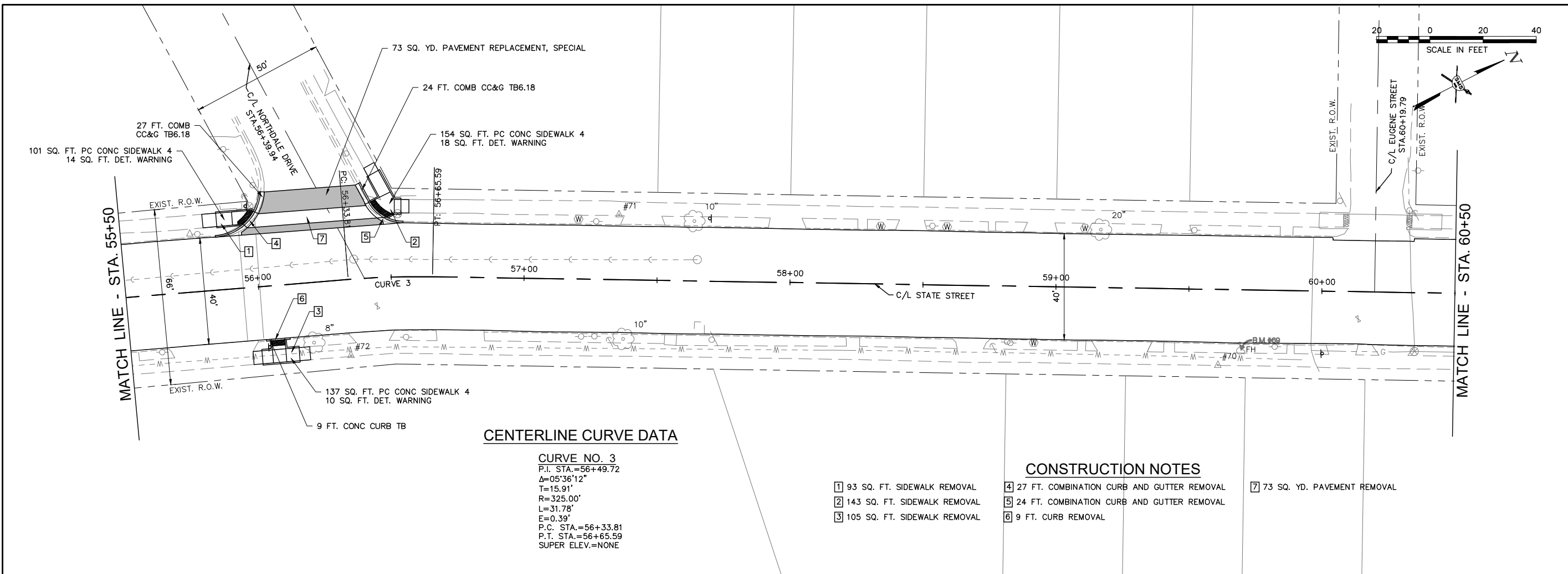


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DSN. BY: DEG
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CHK. BY: DEG
DATE: MAY, 2022
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SHEET 9 OF 23

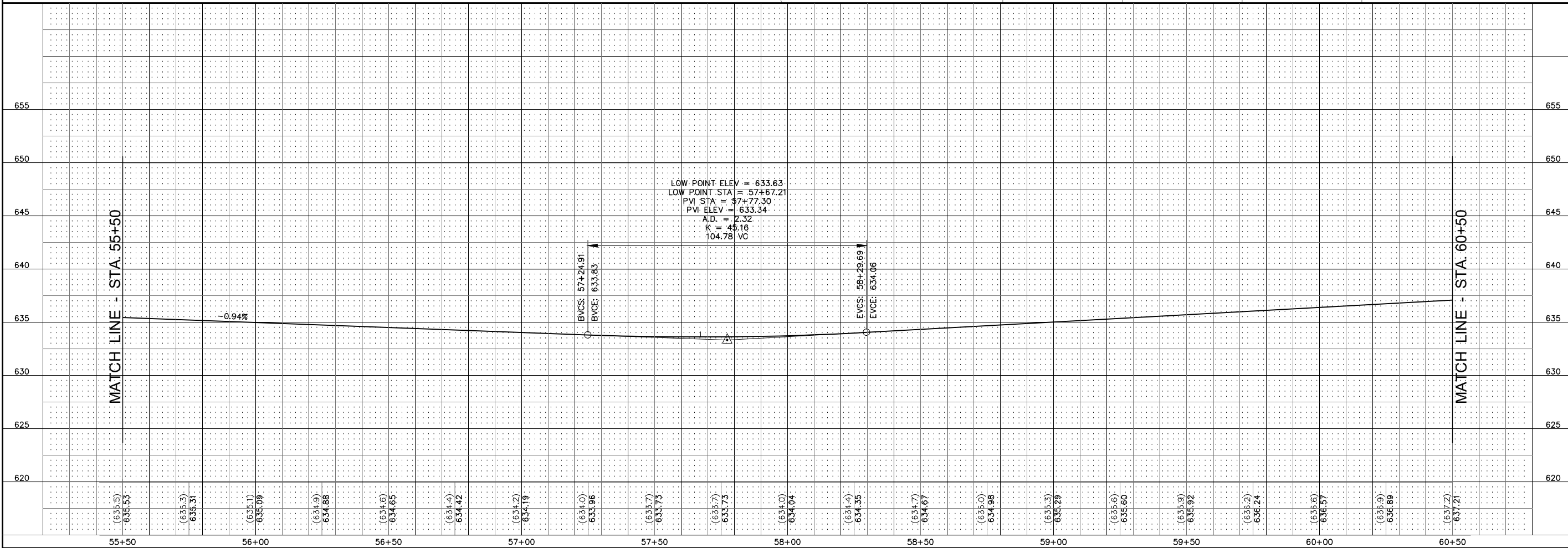


**CENTERLINE CURVE DATA**

CURVE NO. 3  
 P.I. STA. = 56+49.72  
 $\Delta = 05^{\circ}36'12''$   
 $T = 15.91'$   
 $R = 325.00'$   
 $L = 31.78'$   
 $E = 0.39'$   
 P.C. STA. = 56+33.81  
 P.T. STA. = 56+65.59  
 SUPER ELEV. = NONE

**CONSTRUCTION NOTES**

- 1 93 SQ. FT. SIDEWALK REMOVAL
- 2 143 SQ. FT. SIDEWALK REMOVAL
- 3 105 SQ. FT. SIDEWALK REMOVAL
- 4 27 FT. COMBINATION CURB AND GUTTER REMOVAL
- 5 24 FT. COMBINATION CURB AND GUTTER REMOVAL
- 6 9 FT. CURB REMOVAL
- 7 73 SQ. YD. PAVEMENT REMOVAL



NO.	REVISIONS

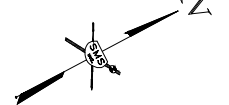
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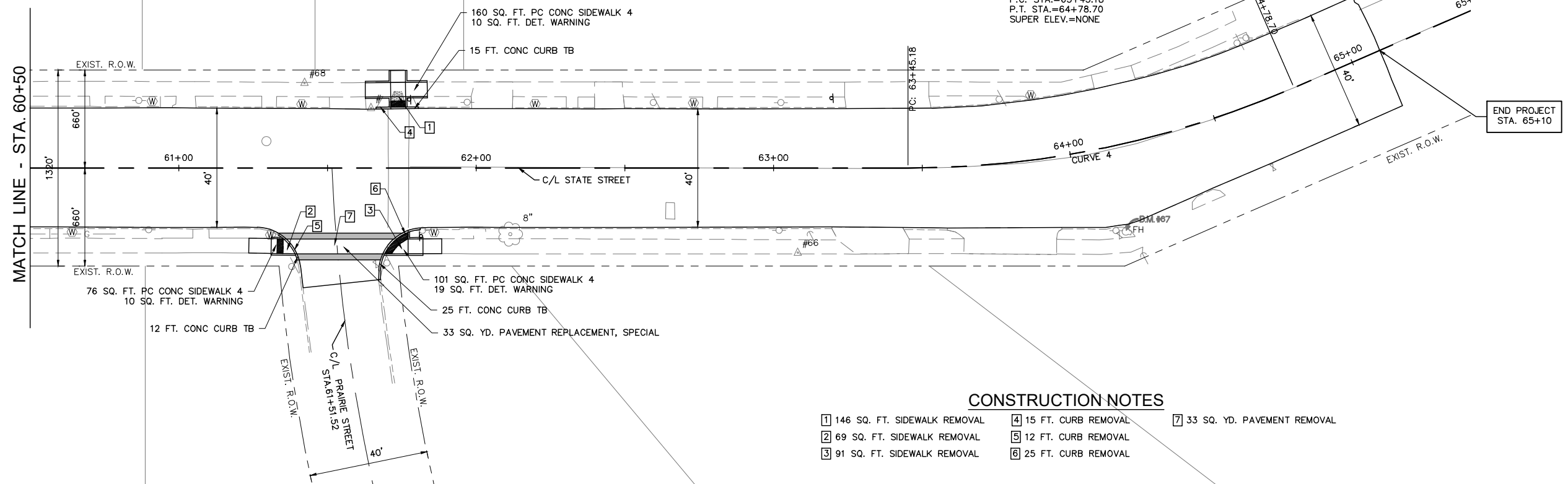
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F.A.U. RTE.	8987
REF. BK.	PG.
JOB NO.	500544
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	MAY, 2022
SCALE:	

**CENTERLINE CURVE DATA**

**CURVE NO. 4**  
 P.I. STA.=64+12.90  
 $\Delta=23^{\circ}32'17''$   
 T=67.71'  
 R=325.00'  
 L=133.52'  
 E=6.98'  
 P.C. STA.=63+45.18  
 P.T. STA.=64+78.70  
 SUPER ELEV.=NONE



MATCH LINE - STA. 60+50

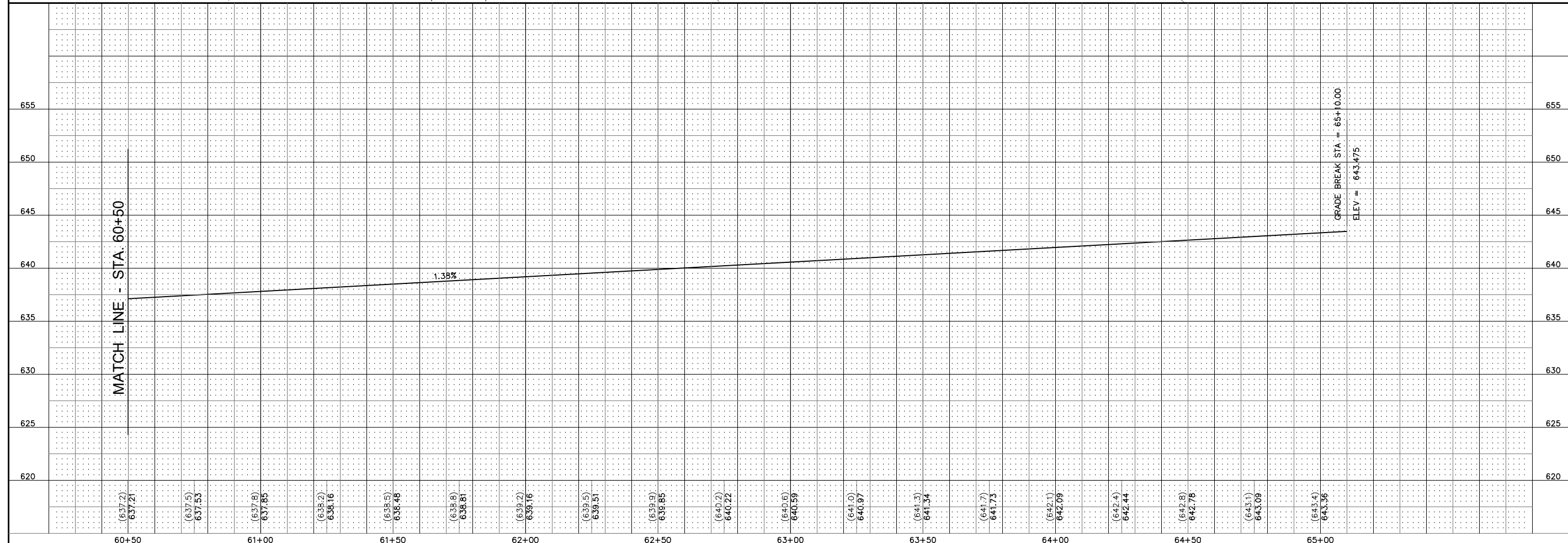


**CONSTRUCTION NOTES**

- 1 146 SQ. FT. SIDEWALK REMOVAL
- 2 69 SQ. FT. SIDEWALK REMOVAL
- 3 91 SQ. FT. SIDEWALK REMOVAL
- 4 15 FT. CURB REMOVAL
- 5 12 FT. CURB REMOVAL
- 6 25 FT. CURB REMOVAL
- 7 33 SQ. YD. PAVEMENT REMOVAL

REVISIONS

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DATE:	MAY, 2022
SCALE:	

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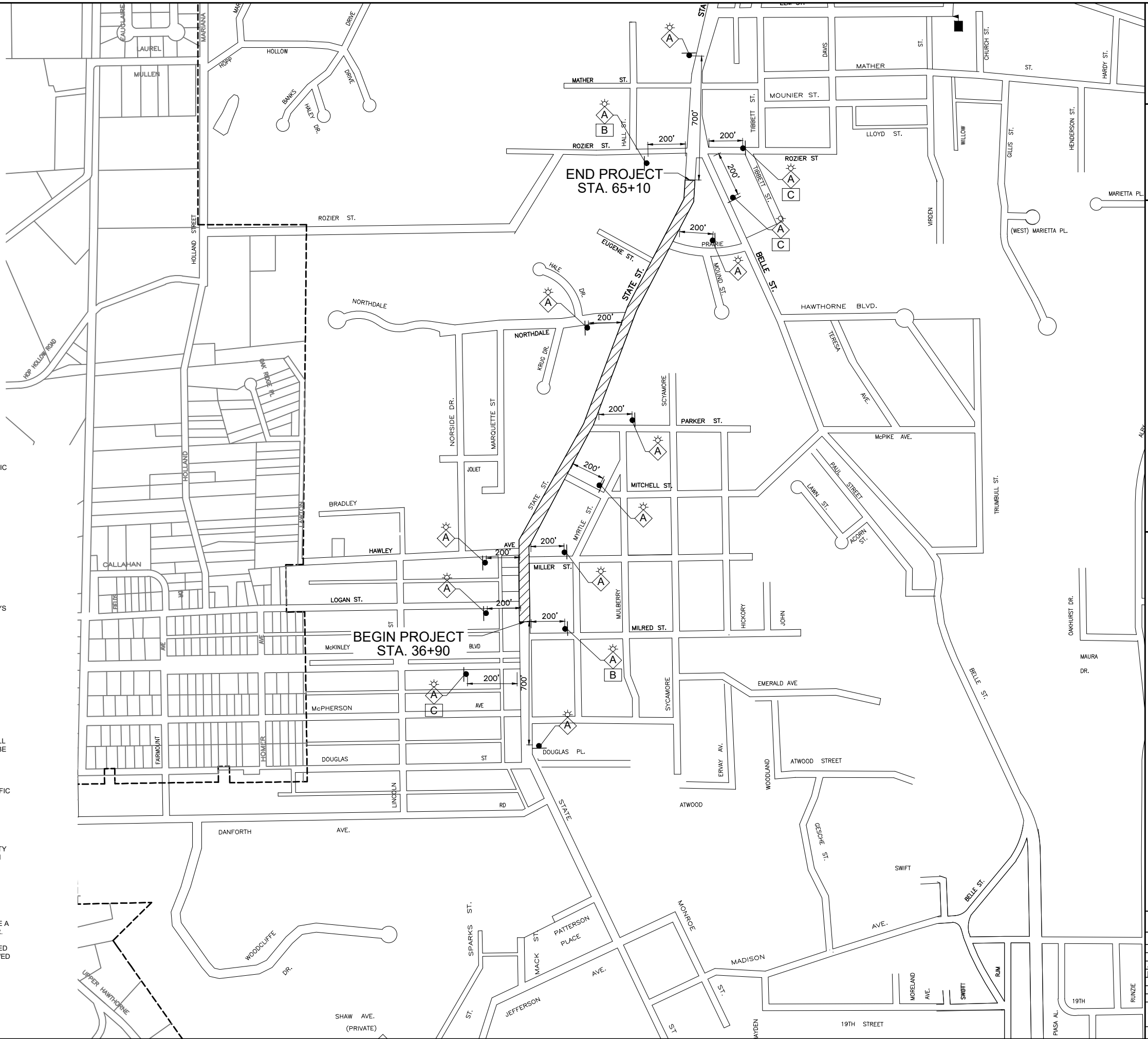


### TRAFFIC CONTROL LEGEND

- WORK AREA
- TYPE III BARRICADE WITH REFLECTORIZED STRIPING ON BOTH SIDES WITH FLASHING LIGHTS
- CONE, DRUM OR BARRICADE
- SIGN "ROAD CONSTRUCTION AHEAD" W20-1(0) - 48" x 48" WITH MONODIRECTIONAL FLASHING LIGHT
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"

### TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL PROVIDE THE TRAFFIC CONTROL SHOWN ON THE GENERAL TRAFFIC CONTROL PLAN AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT. ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED BELOW AND IN ACCORDANCE WITH THE SPECIFIED HIGHWAY STANDARDS.
2. AT TIMES WHEN ALL TRAFFIC LANES ARE OPEN, PROVIDE TRAFFIC CONTROL AS NEEDED PER HIGHWAY STANDARD 701006 AND 701011.
3. STATE ST. SHALL REMAIN OPEN TO THRU TRAFFIC AT ALL TIMES. ONE TRAFFIC LANE WILL BE ALLOWED TO BE CLOSED AS NEEDED AND AS DESCRIBED BELOW.
  - A. FOR SPOT LOCATIONS THAT ARE LESS THAN 1 BLOCK LONG AND FOR 1 HOUR OR LESS, PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701301.
  - B. WHEN A TRAFFIC LANE IS CLOSED PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701501.
  - C. PARKING LANES WILL BE ALLOWED TO BE CLOSED. IN THIS EVENT, THE CITY OF ALTON STREET DEPT. WILL POST TEMPORARY "NO PARKING" SIGNS AS NEEDED TO PREVENT PARKING IN WORK AREAS. THE CONTRACTOR SHALL NOTIFY THE STREET DEPT. AND THE ENGINEER AT LEAST 2 DAYS IN ADVANCE OF THE NEED FOR "NO PARKING" SIGNS.
  - D. DURING PAVEMENT PATCHING OPERATIONS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONES, DRUMS, OR BARRICADES TO PROTECT EACH PATCH AS DIRECTED BY THE ENGINEER.
4. SIDE STREETS MAY EITHER REMAIN OPEN TO TWO WAY TRAFFIC OR MAY BE CLOSED PROVIDING PROPER SIGNS AND BARRICADES PER HIGHWAY STANDARD 701501 WITH THE FOLLOWING ADDITIONAL REQUIREMENTS.
  - A. TYPE III BARRICADES SHALL BE USED ON BOTH SIDES OF PAVEMENT PATCHES. THE MINIMUM NUMBER OF TYPE III BARRICADES USED ON EACH SIDE SHALL BE ONE PER TRAFFIC LANE.
  - B. A TYPE II BARRICADE WITH A "ROAD CLOSED AHEAD" SIGN SHALL BE PROVIDED AT THE END OF EACH SIDE STREET AS DIRECTED BY THE ENGINEER.
5. FOR SIDEWALK REMOVAL AND REPLACEMENT, TRAFFIC CONTROL FOR SIDEWALK CLOSURES SHALL BE PROVIDED PER HIGHWAY STANDARD 701801. SIDEWALK REMOVAL AND REPLACEMENT SHALL BE SEQUENCED AS MUCH AS POSSIBLE TO ALWAYS ALLOW AN ACCESSIBLE ROUTE TO PRIVATE PROPERTY AND BUSINESSES.
6. WHERE A HIGHWAY STANDARD REQUIRES A "ROAD CONSTRUCTION AHEAD" SIGN, THIS REQUIREMENT WILL BE CONSIDERED FULFILLED BY THE SIGNS REQUIRED ON THE GENERAL TRAFFIC CONTROL PLAN.
7. ALL HAZARDS WITHIN WORK ZONES OPEN TO TRAFFIC SHALL BE PROTECTED WITH TYPE I BARRICADES OR DRUMS WITH FLASHING LIGHTS IF LESS THAN 100' IN LENGTH. IF GREATER THAN 100' IN LENGTH, LIGHTS SHALL BE STEADY BURN.
8. CONTRACTOR SHALL NOTIFY THE CITY OF ALTON PUBLIC WORKS (618-463-3530), ALTON COMMUNITY UNIT SCHOOL DISTRICT 11 (618-474-2600), U.S. POST OFFICE - ALTON (618-275-8777), CITY OF ALTON FIRE (618-463-3565) AND POLICE DEPARTMENT (618-463-3505) AND MADISON COUNTY TRANSIT (618-797-4636) AT LEAST ONE WEEK PRIOR TO ANY STREET CLOSURE. THE CONTRACTOR SHALL ALSO NOTIFY THESE AGENCIES THE DAY THE STREET IS RE-OPENED.
9. ALL CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
10. IF THE CONTRACTOR WISHES TO DEVIATE FROM THIS TRAFFIC CONTROL PLAN, HE SHALL PROVIDE A REVISED TRAFFIC CONTROL PLAN IN WRITING FOR THE REVIEW AND APPROVAL OF THE ENGINEER.
11. DURING CONSTRUCTION, ALL OPEN EXCAVATIONS DUE TO PATCHING OPERATIONS SHALL BE FILLED WITH HOT-MIX ASPHALT BY THE END OF EACH WORK DAY. OPEN EXCAVATION WILL NOT BE ALLOWED TO REMAIN OVERNIGHT.



NO.	DESCRIPTION

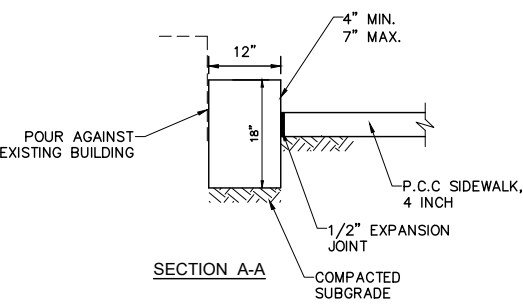
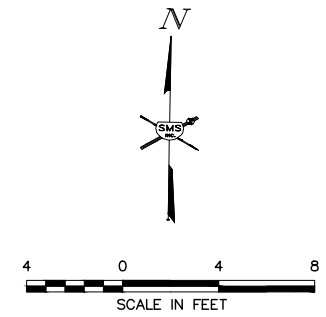
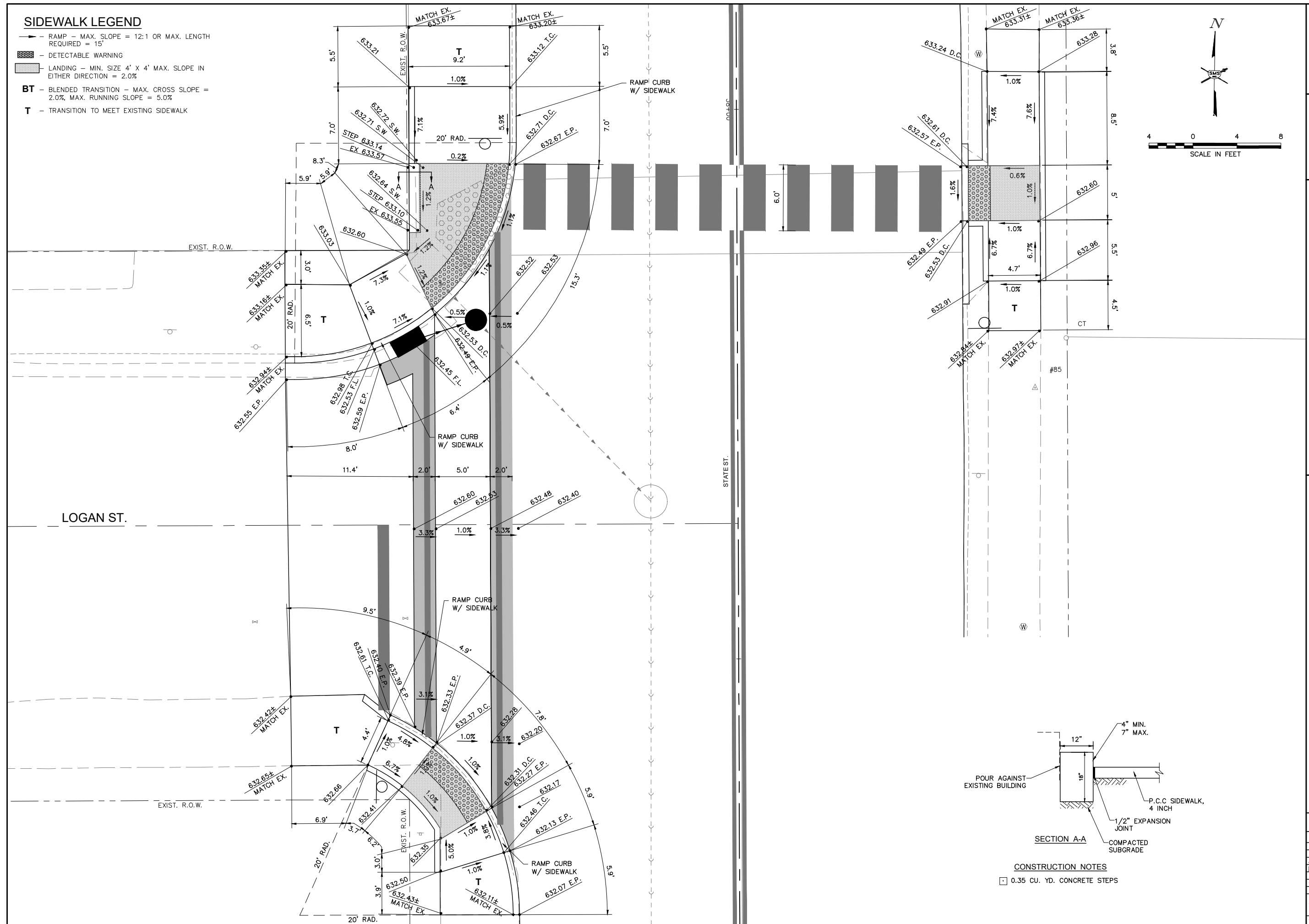
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CITY OF ALTON, ILLINOIS  
SECTION 20-00238-01-RS  
STATE STREET  
TRAFFIC CONTROL PLAN

CONTRACT NO. 97792	
F.A.U. RTE. 8987	
REF. BK.	PG.
JOB NO. 500544	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: MAY, 2022	
SCALE: 1" = 300'	
SHEET 12 OF 23	

**SIDEWALK LEGEND**

- RAMP — MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- ▭ LANDING — MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT** — BLENDED TRANSITION — MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T** — TRANSITION TO MEET EXISTING SIDEWALK



**CONSTRUCTION NOTES**  
 □ 0.35 CU. YD. CONCRETE STEPS

NO.	DESCRIPTION

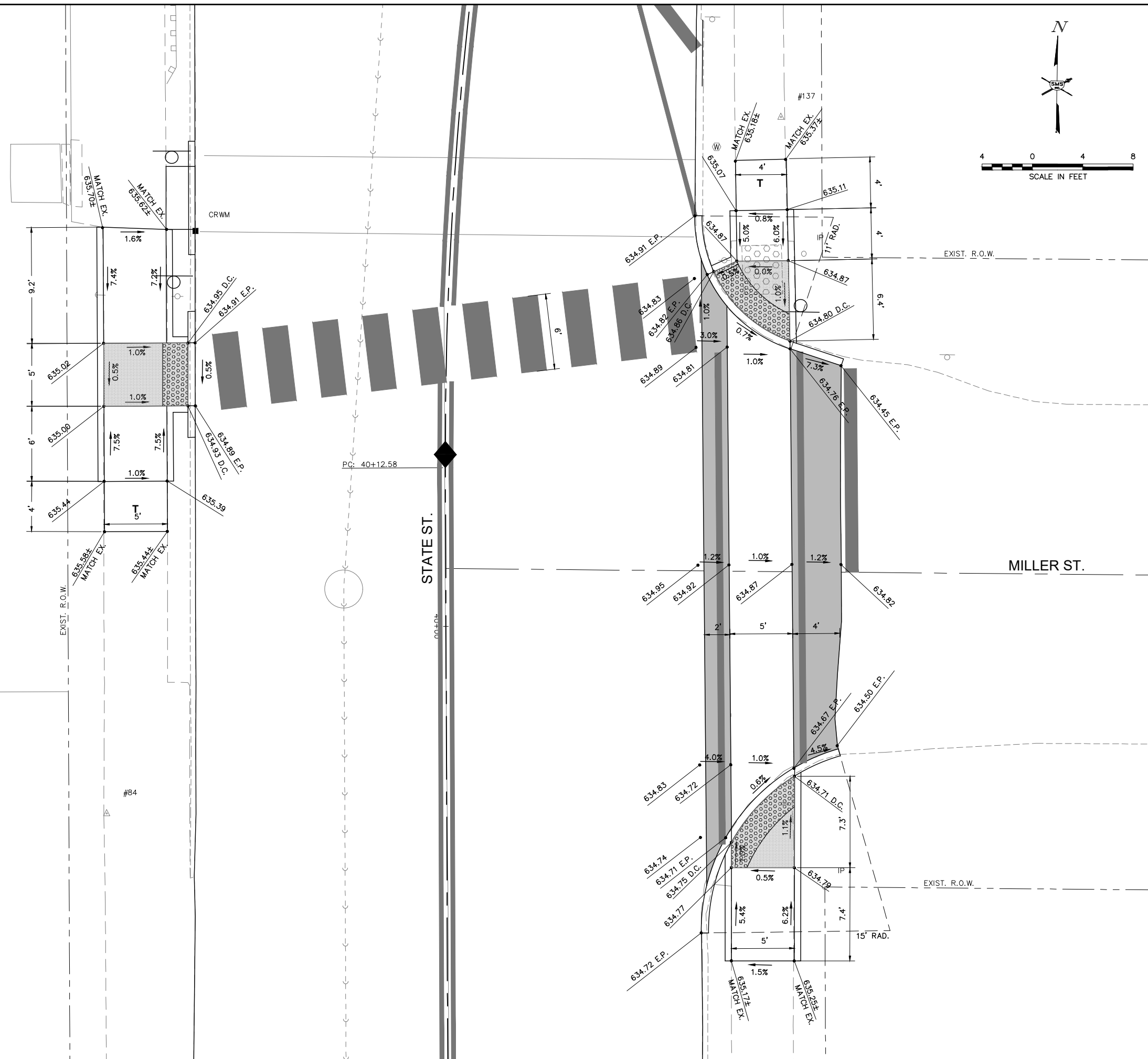
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CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
 CONSTRUCTION DETAILS

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DSN. BY: DEG	
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DATE: MAY, 2022	
SCALE: 1" = 4'	
SHEET 13 OF 23	

**SIDEWALK LEGEND**

- RAMP — MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- ▩ LANDING — MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT** — BLENDED TRANSITION — MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T** — TRANSITION TO MEET EXISTING SIDEWALK



NO.	DESCRIPTION

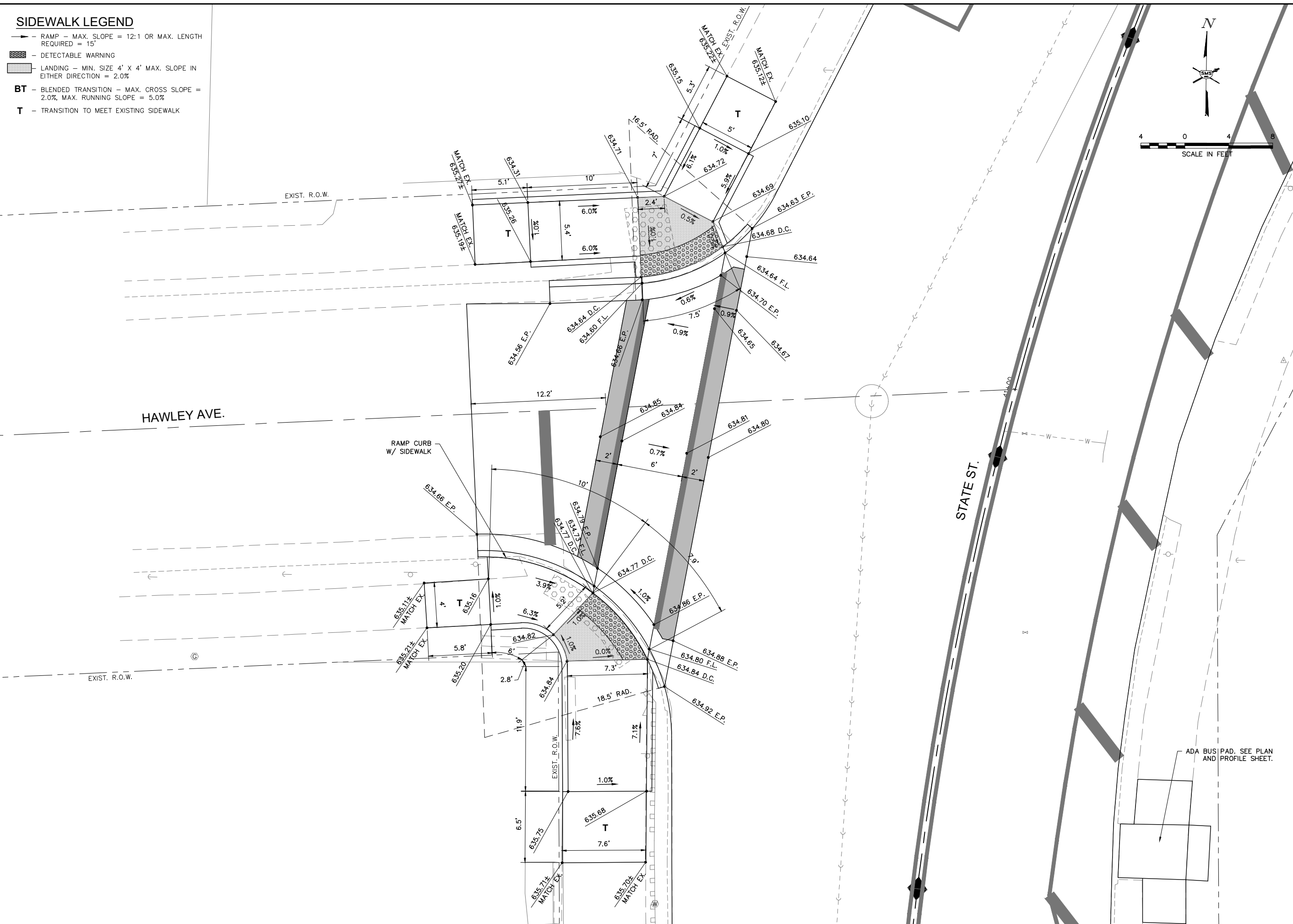
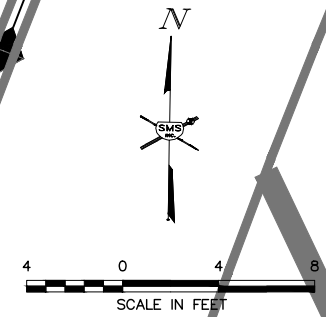
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SHEET 14 OF 23	

**SIDEWALK LEGEND**

- RAMP — MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- ▭ LANDING — MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT** — BLENDED TRANSITION — MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T** — TRANSITION TO MEET EXISTING SIDEWALK



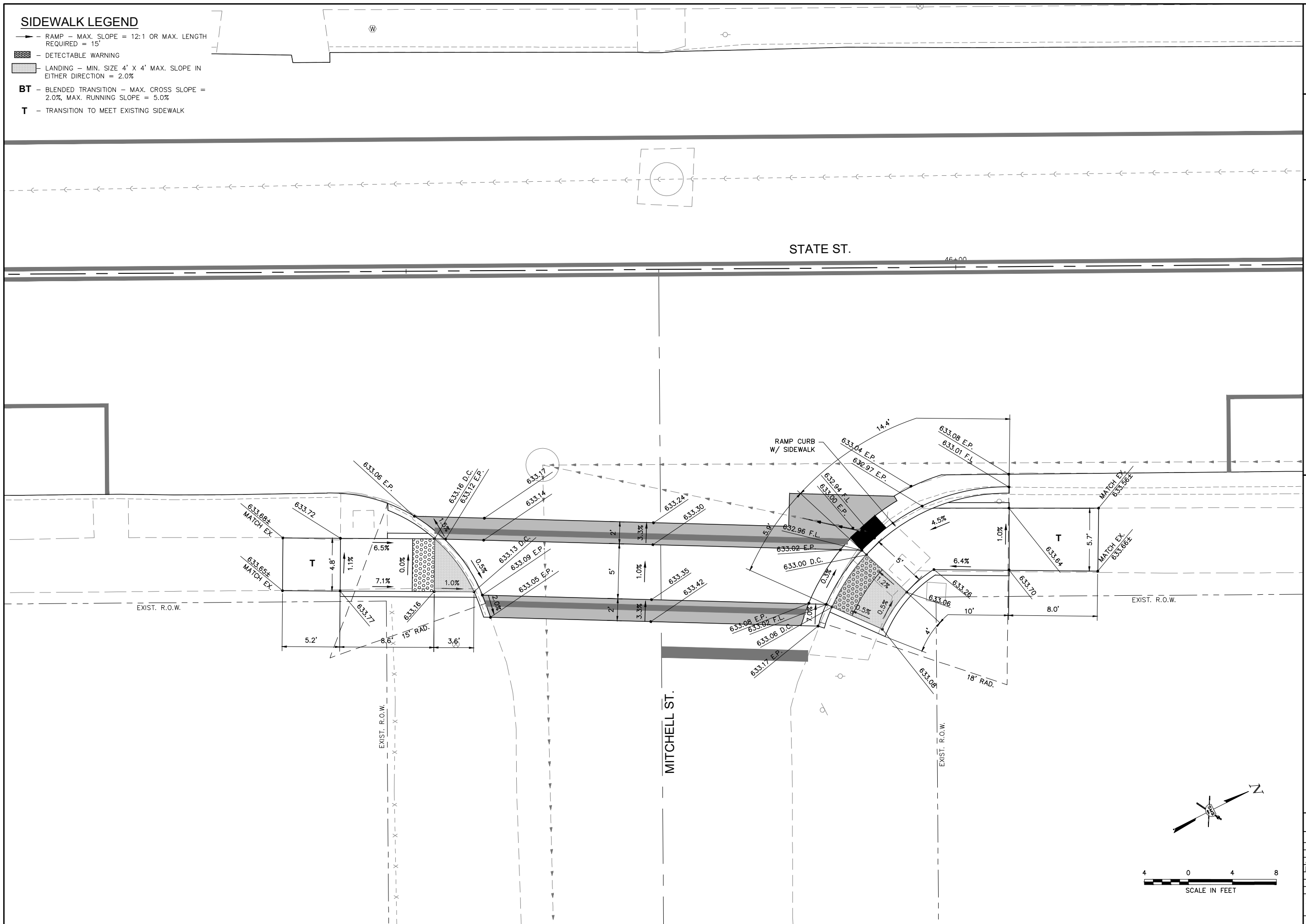
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SCALE: 1" = 4'	
SHEET 15 OF 23	

**SIDEWALK LEGEND**

- RAMP — MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- ▭ LANDING — MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT** — BLENDED TRANSITION — MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T** — TRANSITION TO MEET EXISTING SIDEWALK



REVISIONS

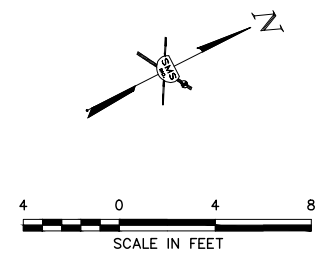

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DSN. BY: DEG	
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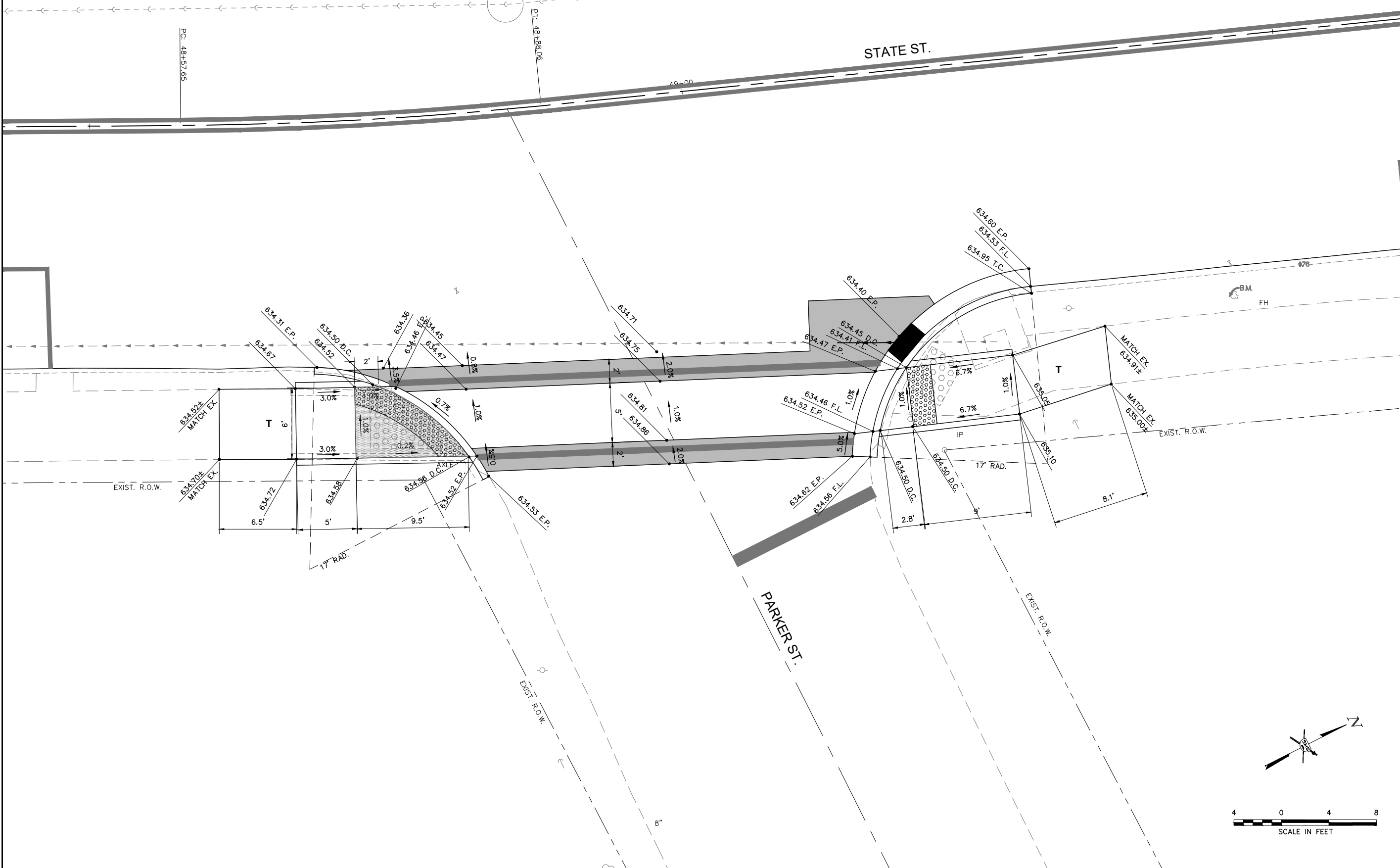
SCALE: 1" = 4'  
 SHEET 16 OF 23





**SIDEWALK LEGEND**

-  RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
-  DETECTABLE WARNING
-  LANDING - MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT** - BLENDED TRANSITION - MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T** - TRANSITION TO MEET EXISTING SIDEWALK

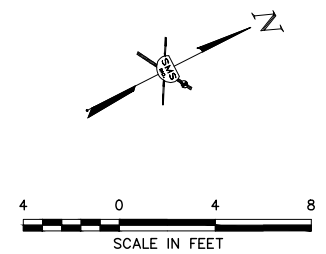


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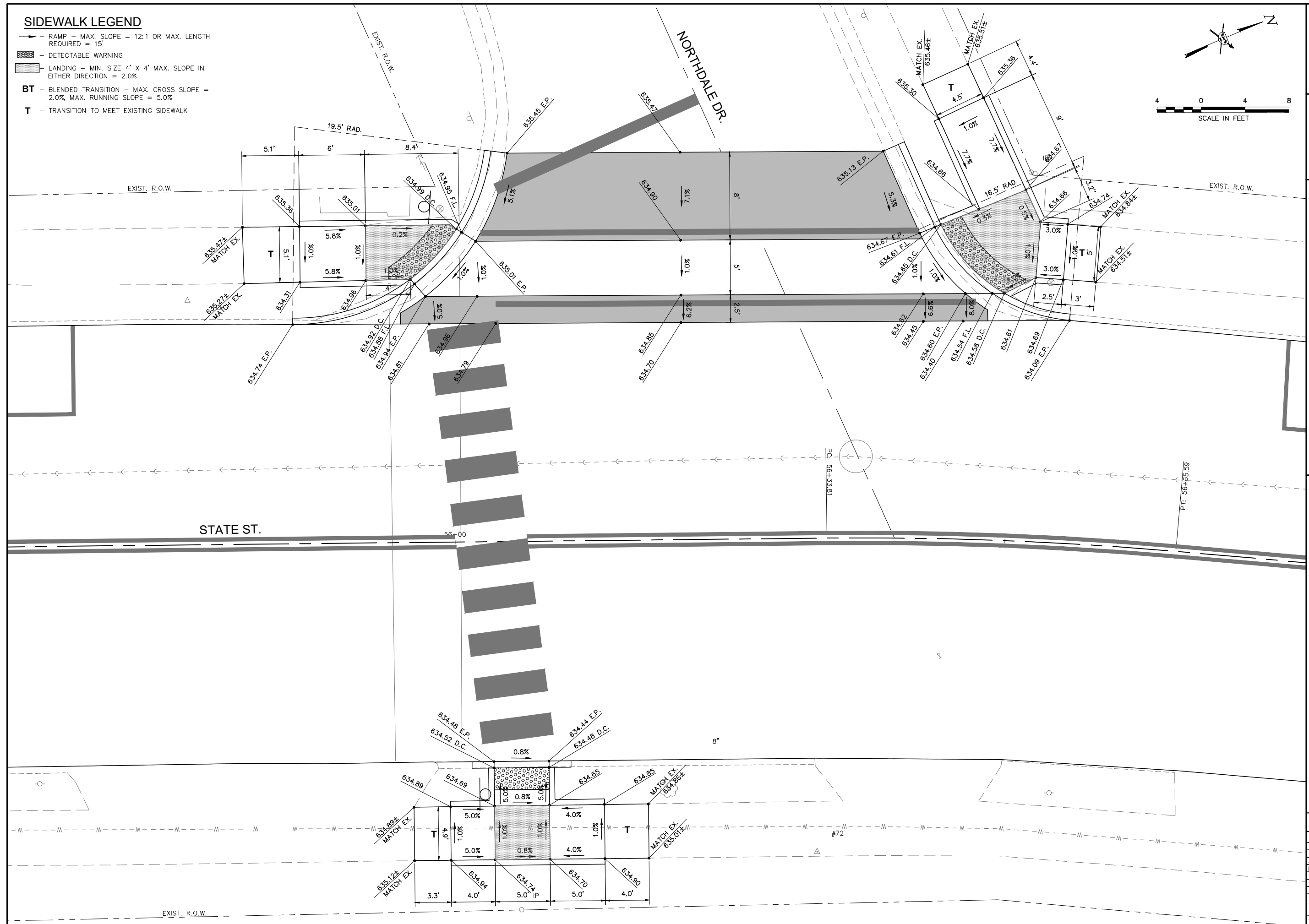
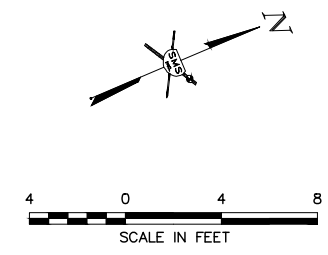
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SCALE: 1" = 4'	
SHEET 17 OF 23	



**SIDEWALK LEGEND**

- RAMP — MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- ▭ LANDING — MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT — BLENDED TRANSITION — MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T — TRANSITION TO MEET EXISTING SIDEWALK



REVISIONS

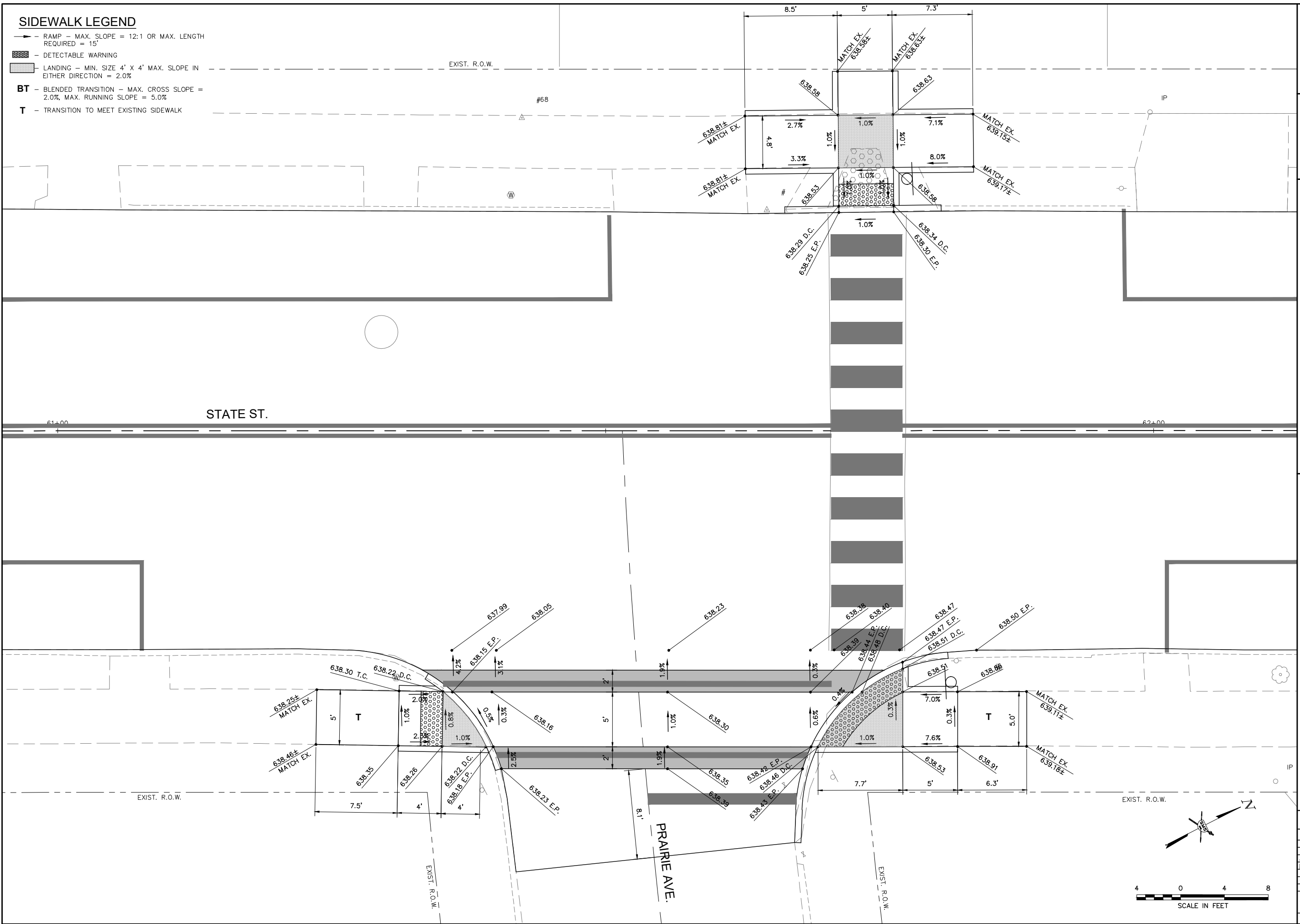

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 STATE STREET  
 CONSTRUCTION DETAILS

CONTRACT NO. 97792	
F.A.U. RTE. 8987	
REF. BK.	PG.
JOB NO. 500544	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: MAY, 2022	
SCALE: 1" = 4'	
SHEET 18 OF 23	

# SIDEWALK LEGEND

- RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▒ DETECTABLE WARNING
- LANDING - MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT - BLENDED TRANSITION - MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T - TRANSITION TO MEET EXISTING SIDEWALK

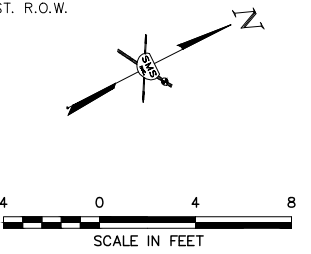


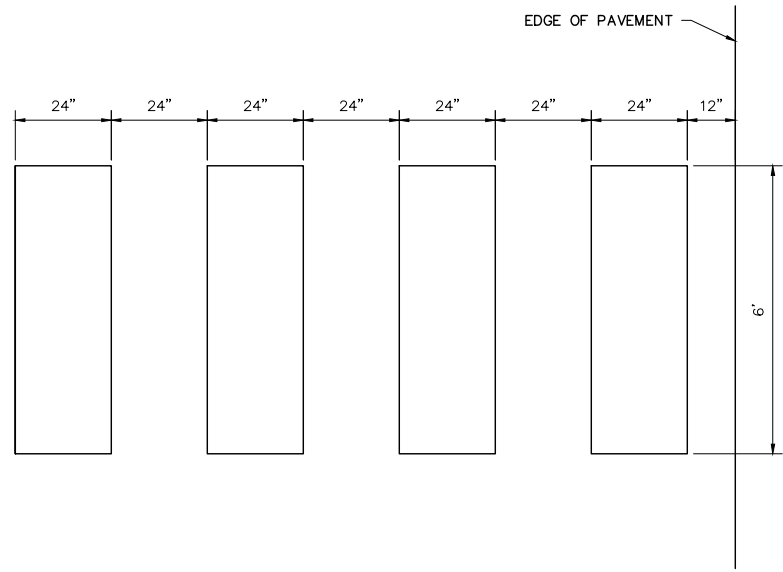
REVISIONS		

**SMS ENGINEERS**  
**Sheppard, Morgan & Schwaab, Inc.**  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, Alton, IL 62002 618.462.9755 Email: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

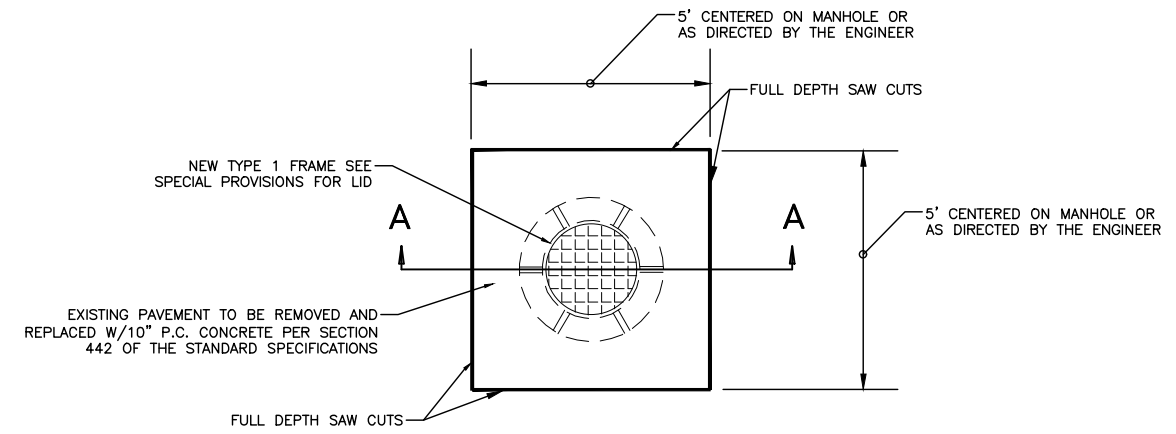
CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
 CONSTRUCTION DETAILS

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SCALE: 1" = 4'	
SHEET 19 OF 23	

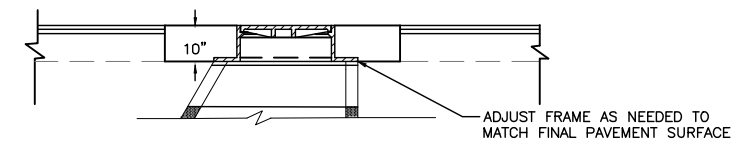




**TYPICAL CROSSWALK BARS DETAIL**  
NO SCALE



**MANHOLES TO BE ADJUSTED (SPECIAL) / MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID**  
DETAIL  
NOT TO SCALE



NOTE: MANHOLES SHALL BE ADJUSTED AFTER THE FINAL HMA SURFACE WORK IS COMPLETED.

**SECTION A - A**  
NOT TO SCALE

REVISIONS

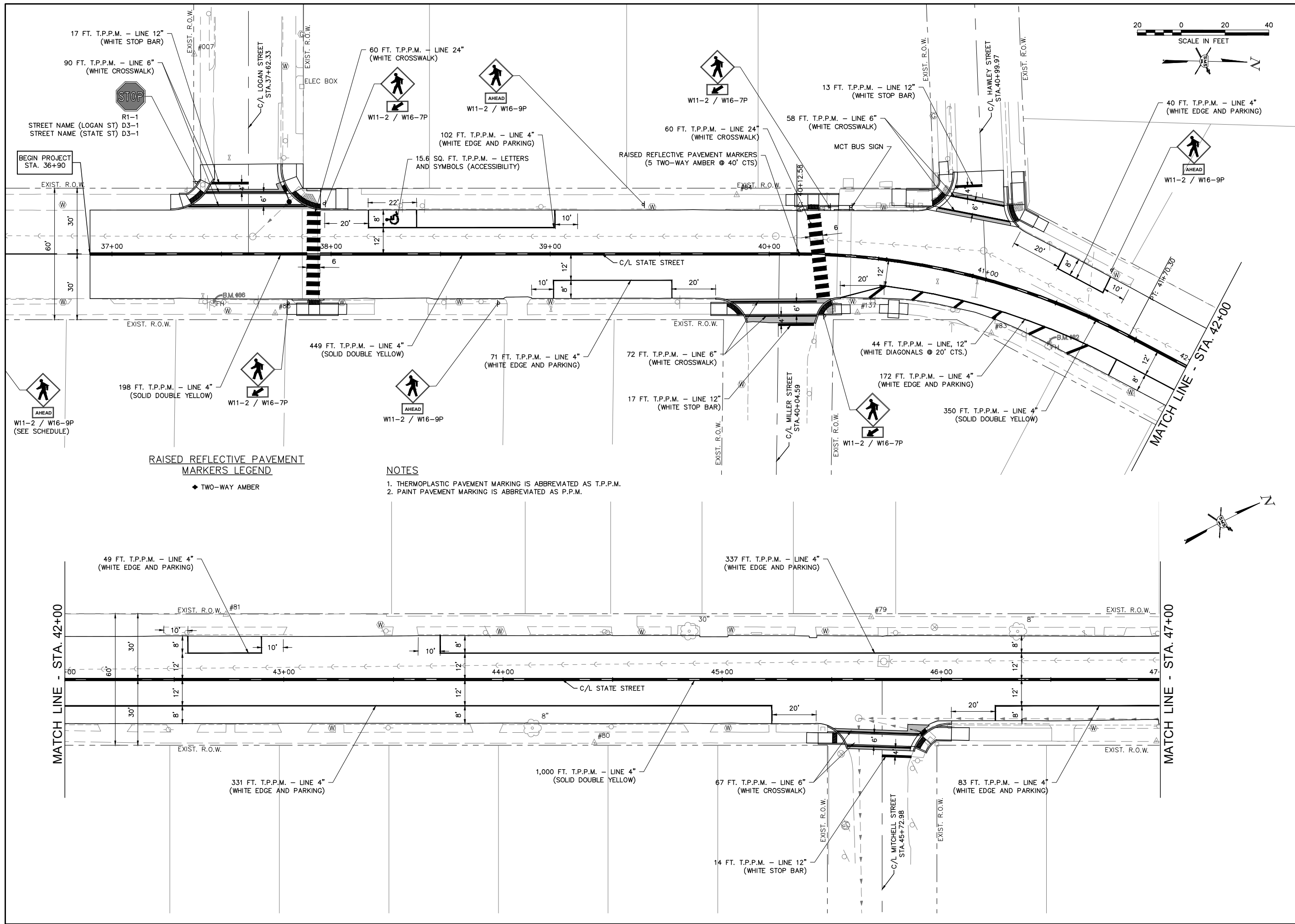
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CHK. BY: DEG	
DATE: MAY, 2022	

SCALE: N/A



**RAISED REFLECTIVE PAVEMENT MARKERS LEGEND**  
 ◆ TWO-WAY AMBER

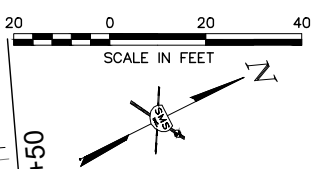
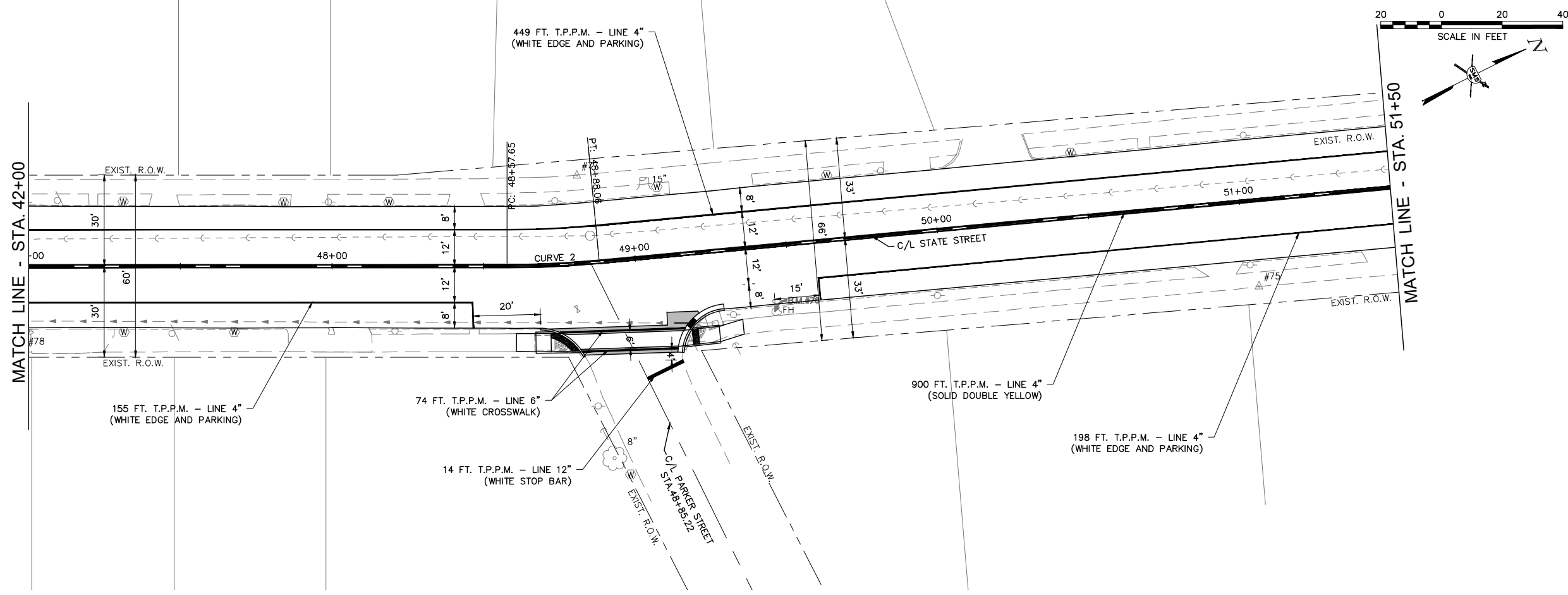
- NOTES**
1. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS T.P.P.M.
  2. PAINT PAVEMENT MARKING IS ABBREVIATED AS P.P.M.

NO.	DESCRIPTION

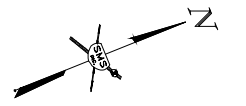
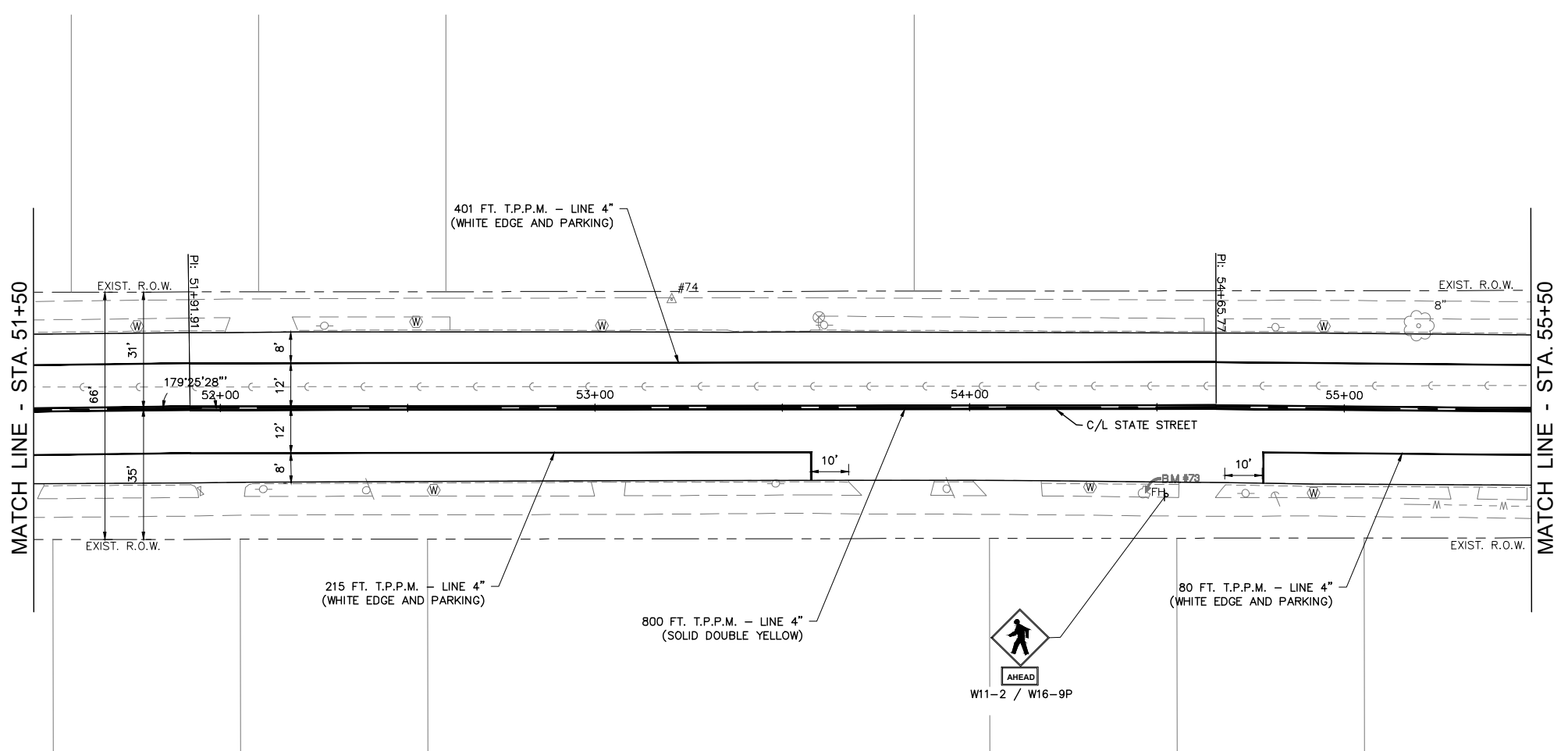
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CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
 PAVEMENT MARKING & SIGNING PLAN

CONTRACT NO.	97792
F.A.U. RTE.	8987
REF. BK.	PG.
JOB NO.	500544
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	MAY, 2022
SCALE:	1"=20'
SHEET	21 OF 23



- NOTES**
1. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS T.P.P.M.
  2. PAINT PAVEMENT MARKING IS ABBREVIATED AS P.P.M.

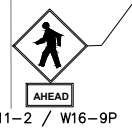


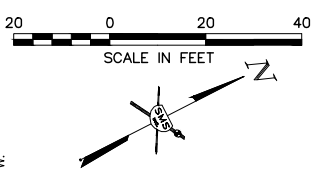
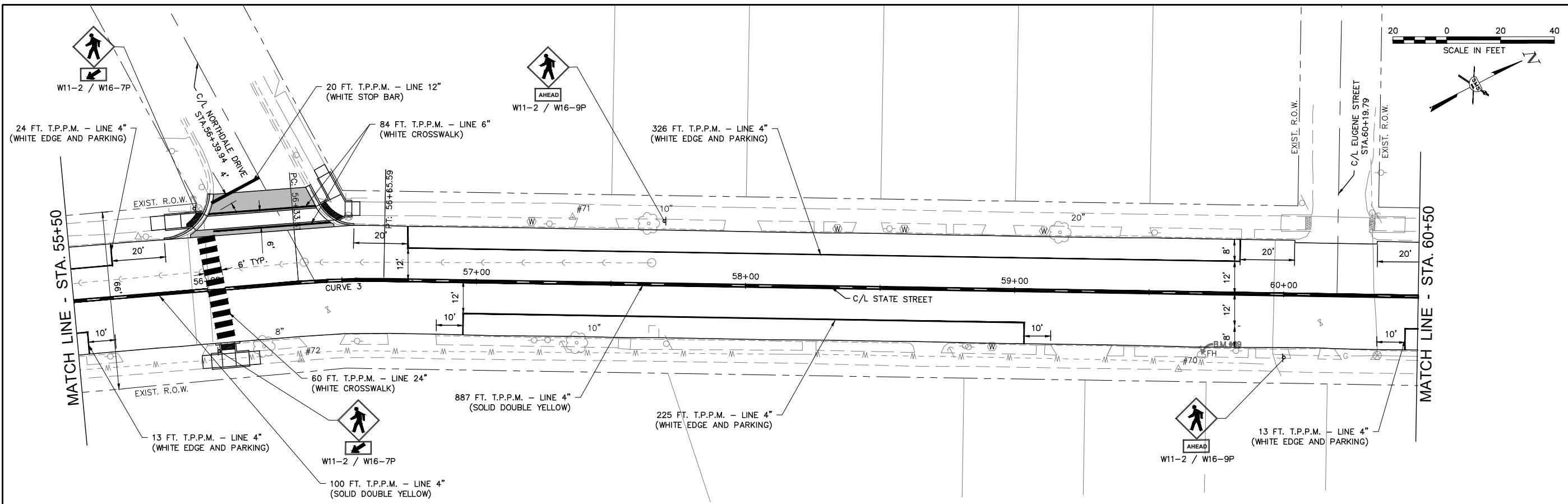
NO.	DESCRIPTION

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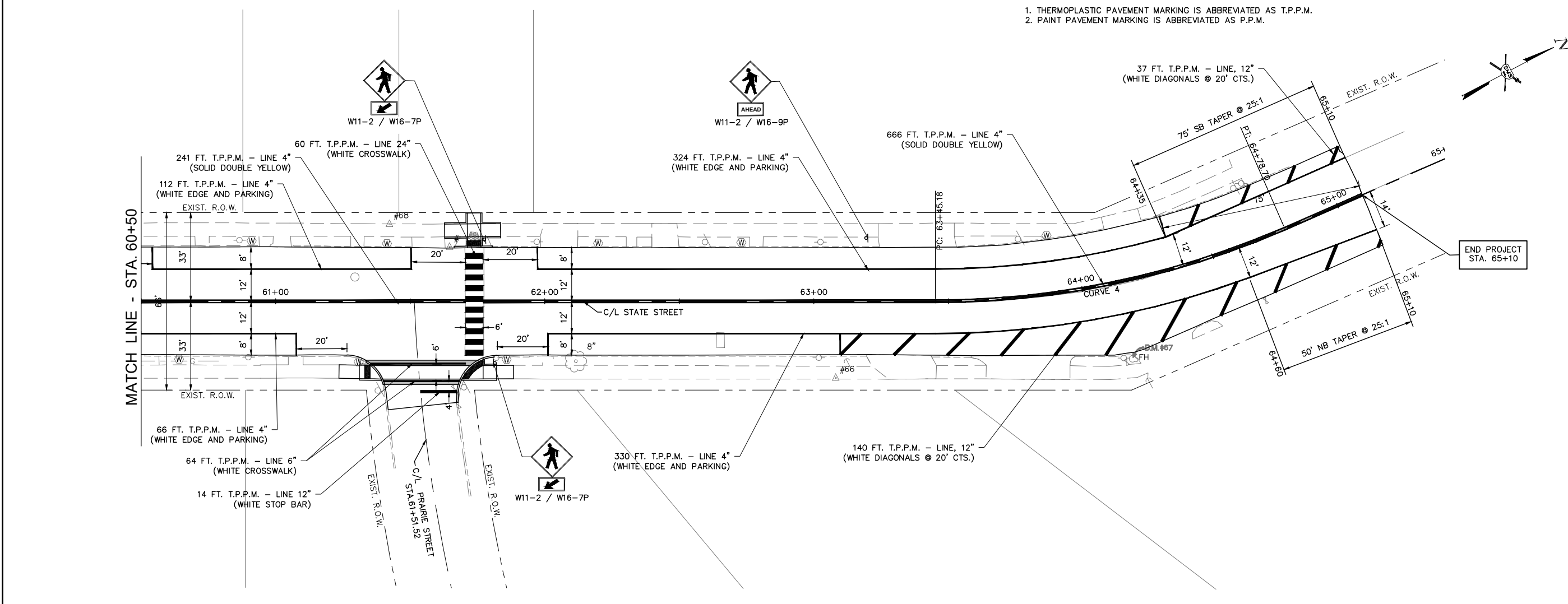
CITY OF ALTON, ILLINOIS  
 SECTION 20-00238-01-RS  
 STATE STREET  
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CONTRACT NO.	97792
F.A.U. RTE.	8987
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JOB NO.	500544
DSN. BY:	DEG
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SHEET	22 OF 23





- NOTES**
1. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS T.P.P.M.
  2. PAINT PAVEMENT MARKING IS ABBREVIATED AS P.P.M.



REVISIONS


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REF. BK.	PG.
JOB NO. 500544	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: MAY, 2022	

SCALE: 1"=20'  
 SHEET 23 OF 23