

CONTACT JULIE AT 811 OR 800-892-0123

With the following:



County MADISON

City / Township CITY OF ALTON

Sec & 1/4 Sec No. SW. 1/4 SEC. 6 T.5N., R.9W.  
NW. 1/4 SEC. 7 T.5N., R.9W.

48 HOURS (2 working days) BEFORE YOU DIG

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

ILLINOIS AMERICAN WATER CO.  
4436 INDUSTRIAL DRIVE  
ALTON, ILLINOIS 62002  
(618) 466-2131

AT&T COMMUNICATIONS  
203 GOETHE  
COLLINSVILLE, IL 62234  
(618) 346-6422

AMEREN IP  
700 OAKWOOD AVENUE  
ALTON, ILLINOIS 62002  
(618) 463-4041 (ELECTRIC)  
(618) 463-4027 (GAS)

ALTON PUBLIC WORKS  
2 EMMA KAUS LANE  
ALTON, ILLINOIS 62002  
(618) 466-3133

CHARTER COMMUNICATIONS  
4767 SIGNATURE INDUSTRIAL DRIVE  
EDWARDSVILLE, IL 62025  
(618) 779-4179

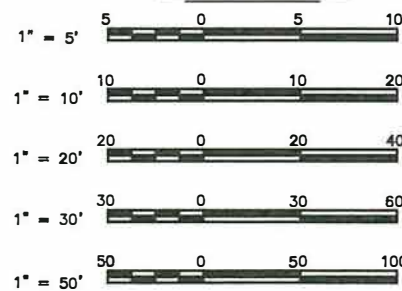
### INDEX TO SHEETS

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

### HIGHWAY STANDARDS

001001-02	701301-04
001006	701502-09
424001-11	701606-10
424016-05	701611-01
424021-05	701801-06
442101-09	701901-08
442201-03	720001-01
604066-02	720006-04
606001-07	728001-01
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.  
2019 ADT = 11,220

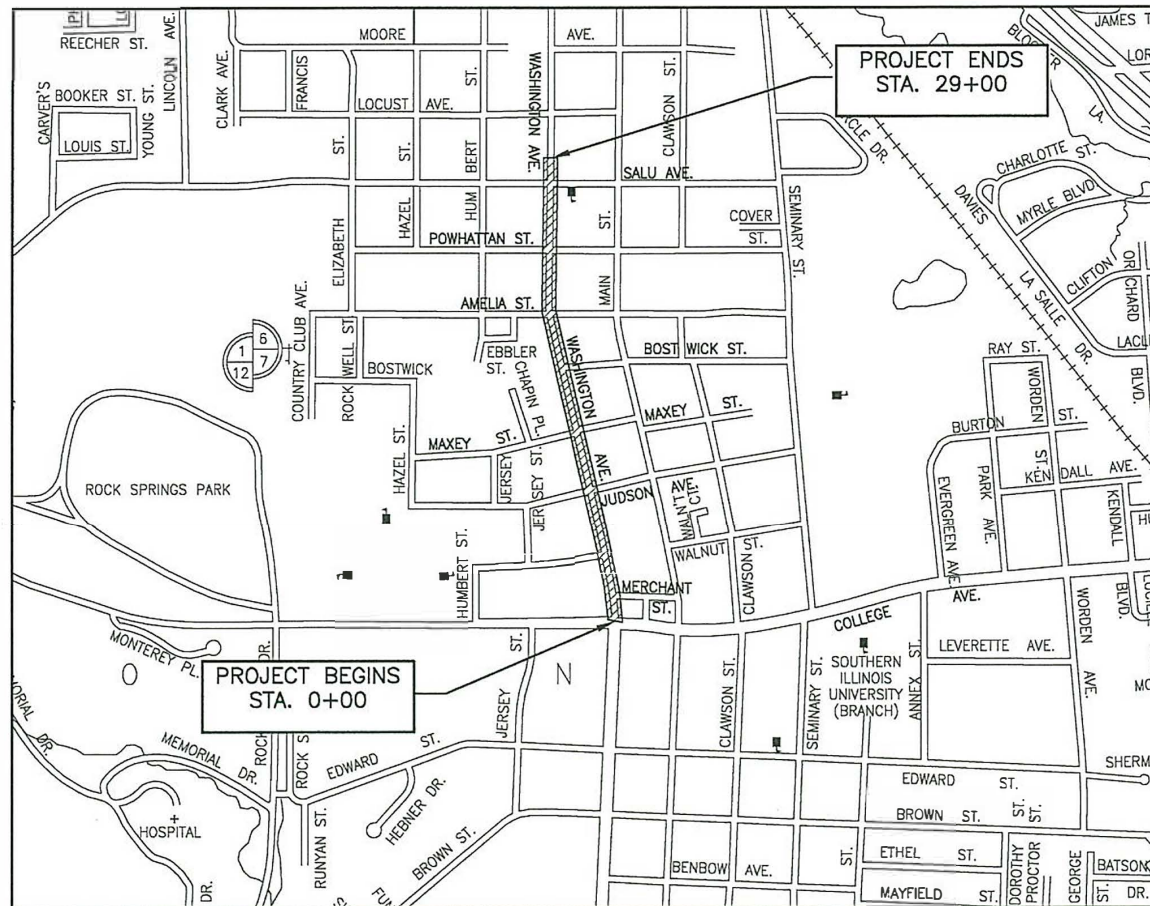
# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

04-26-2019 LETTING ITEM 153

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00237-00-PV	MADISON	23	1
FEDERAL AID PROJECT		CONTRACT NO. 97695	

## STU FUNDS

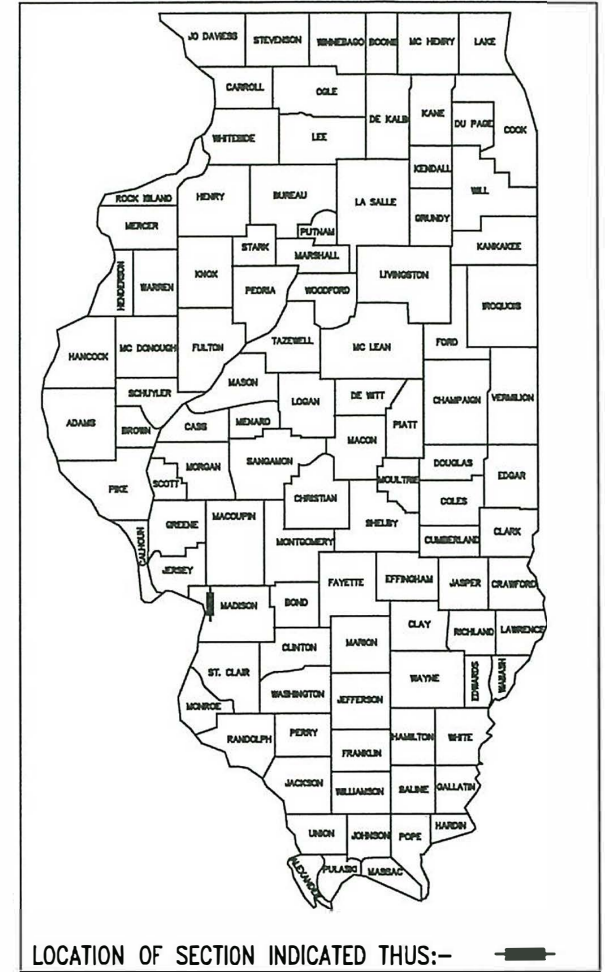
**WASHINGTON AVE.**  
SECTION 15-00237-00-PV  
FAU ROUTE 8996  
PROJECT HAEP(063)  
CITY OF ALTON, ILLINOIS  
MADISON COUNTY  
JOB C-98-023-19



LOCATION MAP



GROSS LENGTH = 2,900 FEET = 0.549 MILES  
NET LENGTH = 2,900 FEET = 0.549 MILES



LOCATION OF SECTION INDICATED THUS:-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: 2-21 2019  
*Brent Walker*  
MAYOR

PASSED: Felmay 27 2019  
*Chm R. Schae*  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED UPON LIMITED  
REVIEW: Felmay 27 2019  
*Keith Robinson*  
REGIONAL ENGINEER

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



DATE SIGNED 2/20/19  
EXPIRATION DATE 11/30/19

DECEMBER, 2018

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

## STANDARD SYMBOL LEGEND

### EXISTING

- EXISTING GUY POLE --○
- EXISTING LIGHT POLE --X
- EXISTING POWER POLE --○
- EXISTING TELEPHONE POLE --○
- EXISTING GUY WIRE --←
- EXISTING TRANSMISSION TOWER --□
- EXISTING ELECTRIC SPLICE BOX --□<sup>E</sup>
- EXISTING TELEPHONE SPLICE BOX --△
- EXISTING CABLE SPLICE BOX --□<sup>TV</sup>
- EXISTING WATER HYDRANT --⊕
- EXISTING GAS METER --⊙
- EXISTING WATER METER --⊙
- EXISTING WATER VALVE --⊕
- EXISTING GAS VALVE --⊙
- EXISTING FIRE HYDRANT --⊕<sup>FH</sup>
- EXISTING SANITARY MANHOLE TOP --⊙
- EXISTING STORM MANHOLE TOP --○
- EXISTING TELEPHONE MANHOLE TOP --⊕
- EXISTING SANITARY CLEAN OUT --⊙
- CONTROL POINT --△<sup>XXX</sup>
- BENCHMARK --<sup>B.M.</sup>
- TEST PIT / NUMBER --⊕<sup>T.P.#</sup> X
- BORING / NUMBER --⊕<sup>B.#</sup> X
- RIGHT-OF-WAY MARKER --⊕<sup>MP</sup>
- AXLE FOUND --○<sup>AXLE</sup>
- BOLT FOUND --○<sup>BOLT</sup>
- CHISELED "X" FOUND --X
- PIN FOUND --○<sup>IP</sup>
- PINCH PIPE FOUND --○<sup>IP</sup>
- PK NAIL FOUND --○<sup>PK</sup>
- RAILROAD SPIKE FOUND --○<sup>RR</sup>
- STONE FOUND --□<sup>STONE</sup>
- BRASS MONUMENT FOUND --○<sup>MON</sup>
- IRON PIPE FOUND --○<sup>IP</sup>
- MONUMENT FOUND --□<sup>MON</sup>
- REBAR FOUND --○<sup>RBR</sup>
- EXISTING MAILBOX --<sup>MP</sup>
- EXISTING FENCE POST --⊕
- EXISTING GATE POST --⊕
- EXISTING FLAG POLE --○
- EXISTING GUARD POST --○<sup>GP</sup>
- EXISTING ADVERTISING SIGN --<sup>AS</sup>
- EXISTING TRAFFIC SIGN --<sup>TS</sup>
- EXISTING PARKING METER --⊕
- EXISTING RAILROAD MILE POST --<sup>MP</sup>
- EXISTING RAILROAD SIGNAL CONTROLLER --⊕
- EXISTING RAILROAD CROSSING GATE --<sup>RCG</sup>
- EXISTING TRAFFIC SIGNAL --○
- EXISTING TRAFFIC SIGNAL CONTROLLER --⊕
- EXISTING HANDHOLE --⊕
- EXISTING DOUBLE HANDHOLE --⊕
- EXISTING MAST ARM BASE --○
- EXISTING DECIDUOUS TREE / SIZE --○<sup>XX"</sup>
- EXISTING EVERGREEN TREE / SIZE --<sup>XX"</sup>
- EXISTING STUMP / SIZE --<sup>XX"</sup>
- EXISTING BUSH --<sup>B</sup>
- EXISTING SHRUB --<sup>S</sup>
- EXISTING TREE TO BE REMOVED --X<sup>XX"</sup>

### PROPOSED

- PROPOSED GUY POLE --○
- PROPOSED LIGHT POLE --X
- PROPOSED POWER POLE --○
- PROPOSED TELEPHONE POLE --○
- PROPOSED GUY WIRE --←
- PROPOSED TRANSMISSION TOWER --□
- PROPOSED ELECTRIC SPLICE BOX --□<sup>E</sup>
- PROPOSED TELEPHONE SPLICE BOX --△
- PROPOSED CABLE SPLICE BOX --□<sup>TV</sup>
- PROPOSED WATER HYDRANT --⊕
- PROPOSED GAS METER --⊙
- PROPOSED WATER METER --⊙
- PROPOSED WATER VALVE --⊕
- PROPOSED GAS VALVE --⊙
- PROPOSED FIRE HYDRANT --⊕<sup>FH</sup>
- PROPOSED SANITARY MANHOLE TOP --⊙
- PROPOSED STORM MANHOLE TOP --○
- PROPOSED TELEPHONE MANHOLE TOP --⊕
- PROPOSED SANITARY CLEAN OUT --⊙
- PROPOSED MAILBOX --<sup>MP</sup>
- PROPOSED GUARD POST --<sup>GP</sup>
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- PROPOSED EVERGREEN TREE / SIZE --<sup>XX"</sup>
- PROPOSED BUSH --<sup>B</sup>
- PROPOSED PLANT --\*
- PROPOSED EDGE OF PAVEMENT ELEVATION -- + 512.00 EP
- PROPOSED PAVEMENT ELEVATION -- + 505.50 P
- PROPOSED CURB ELEVATION -- + 550.25 TC
- PROPOSED SIDEWALK ELEVATION -- + 515.15 SW
- PROPOSED FLOWLINE ELEVATION -- + 501.58 FL

### SIDEWALK LEGEND

- RAMP -- MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- L 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
- P PASSING SPACE -- MIN. SIZE 5' X 5', MAX CROSS SLOPE = 2.0%

## STANDARD LINE TYPE LEGEND

### EXISTING FEATURES

- EXISTING CENTERLINE -----
- EXISTING BASELINE -----
- EXISTING RIGHT-OF-WAY -----
- EXISTING SECTION LINE -----
- EXISTING PROPERTY LINE ----- P/L
- EXISTING EASEMENT -----
- EXISTING SETBACK -----
- EXISTING MAJOR CONTOUR ----- 500
- EXISTING MINOR CONTOUR ----- 501
- EXISTING DITCH -----
- EXISTING POND, LAKE, BODY OF WATER, ETC. -----
- EXISTING RAILROAD -----
- EXISTING BRUSH / HEDGE / TREE LINE -----
- EXISTING FENCE ----- X
- EXISTING GUARDRAIL -----
- EXISTING CULVERT -----
- EXISTING STORM SEWER -----
- EXISTING SANITARY SEWER -----
- EXISTING FORCEMAIN ----- FM
- EXISTING WATER ----- W
- EXISTING UNDERGROUND ELECTRIC ----- E
- EXISTING GAS ----- G
- EXISTING UNDERGROUND TELEPHONE ----- T
- EXISTING FIBER OPTIC ----- FO
- EXISTING UNDERGROUND CABLE TV ----- TV
- EXISTING OVERHEAD TELEPHONE ----- OT
- EXISTING OVERHEAD ELECTRIC ----- OE
- EXISTING OVERHEAD CABLE TV ----- OTV

### PROPOSED FEATURES

- PROPOSED CENTERLINE -----
- PROPOSED BASELINE -----
- PROPOSED RIGHT-OF-WAY -----
- PROPOSED LOT LINE -----
- PROPOSED EASEMENT -----
- PROPOSED CONSTRUCTION EASEMENT OR TEMPORARY USE PERMIT -----
- PROPOSED CONSTRUCTION LIMITS -----
- PROPOSED SETBACK -----
- PROPOSED MAJOR CONTOUR ----- 500
- PROPOSED MINOR CONTOUR ----- 501
- PROPOSED DITCH -----
- PROPOSED POND, LAKE, BODY OF WATER, ETC. -----
- PROPOSED RAILROAD -----
- PROPOSED FENCE ----- X
- PROPOSED GUARDRAIL -----
- PROPOSED PERIMETER EROSION BARRIER -----
- PROPOSED CULVERT -----
- PROPOSED STORM SEWER -----
- PROPOSED SANITARY SEWER -----
- PROPOSED FORCEMAIN ----- FM
- PROPOSED WATER ----- W
- PROPOSED UNDERGROUND ELECTRIC ----- E
- PROPOSED GAS ----- G
- PROPOSED UNDERGROUND TELEPHONE ----- T
- PROPOSED FIBER OPTIC ----- FO
- PROPOSED UNDERGROUND CABLE TV ----- TV
- PROPOSED OVERHEAD TELEPHONE ----- OT
- PROPOSED OVERHEAD ELECTRIC ----- OE
- PROPOSED OVERHEAD CABLE TV ----- OTV

## ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	OL	OPEN LID
BK	BACK	PC	POINT OF CURVE
BM	BENCH MARK	PE	PRIVATE ENTRANCE
BVCE	BEGIN VERTICAL CURVE ELEVATION	PI	POINT OF INTERSECTION
BVCS	BEGIN VERTICAL CURVE STATION	PK	PK NAIL
C&G	CURB AND GUTTER	PP	POWER POLE
C/L	CENTER LINE	PRCF	PRECAST REINFORCED CONCRETE FLARED
CE	COMMERCIAL ENTRANCE	PT	POINT OF TANGENT
CI	CAST IRON	PVC	POINT OF VERTICAL CURVE
CL	CLOSED LID	R	RADIUS
CM	CONCRETE MONUMENT	RBR	REBAR
CMP	CORRUGATED METAL PIPE	RDMH	RESTRICTED DEPTH MANHOLE
CONC	CONCRETE	ROW	RIGHT OF WAY
CT	CRIMP TOP PIPE	RR	RAIL ROAD
CJ YD	CUBIC YARD	RRPM	RAISED REFLECTIVE PAVEMENT MARKER
DE	DRAINAGE EASEMENT	RT	RIGHT
E	EAST	S	SOUTH
ELEV	ELEVATION	SE	SOUTHEAST
EP	EDGE OF PAVEMENT	SL	SECTION LINE
EQN STA	EQUATION STATION	SS1	STORM SEWER TYPE 1
ES	EDGE OF SHOULDER	SS2	STORM SEWER TYPE 2
FE	FIELD ENTRANCE	SS3	STORM SEWER TYPE 3
FH	FIRE HYDRANT	STA	STATION
FL	FLOW LINE	SW	SOUTHWEST OR SIDEWALK
FT	FOOT	TB	TRENCH BACKFILL
FWD	FORWARD	TBR	TO BE REMOVED
GP	GUARD POST	TC	TOP OF CURB
HDPE	HIGH DENSITY POLYETHYLENE	TCE	TEMPORARY CONSTRUCTION EASEMENT
HMA	HOT-MIX ASPHALT	TPM	TEMPORARY PAVEMENT MARKING
IP	IRON PIPE	TPPM	THERMOPLASTIC PAVEMENT MARKING
LT	LEFT	TUP	TEMPORARY USE PERMIT
MON	MONUMENT	TY	TYPE
MP	MILE PIPE	TYP	TYPICAL
N	NORTH	VC	VERTICAL CURVE
NE	NORTHEAST	VCP	VITRIFIED CLAY PIPE
NW	NORTHWEST	W	WEST
O&C	OIL AND CHIP	WMA	WATER MAIN QUALITY

1. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED ON THIS PROJECT. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 AND 407 OF THE STANDARD SPECIFICATIONS.
2. THE PLANS SHOW THE APPROXIMATE LOCATION OF KNOWN UTILITIES, BUT DO NOT SHOW HOUSE OR SERVICE CONNECTIONS. UTILITY INFORMATION PROVIDED IS BASED ON INFORMATION OBTAINED FROM UTILITY COMPANIES AND SHALL NOT BE CONSIDERED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL USE ALL DUE PRECAUTION NOT TO DAMAGE OR DISTURB ANY UTILITIES AND THE ENTIRE COST OF MAKING REPAIRS TO, OR REPLACEMENT OF, ANY DAMAGED LINE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. PROPOSED ELEVATIONS SHOWN ON THE PLANS AS +/- ARE APPROXIMATE, EXACT ELEVATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. IF APPLICABLE, ELEVATIONS SHALL BE DETERMINED PRIOR TO FABRICATION OF THE DRAINAGE STRUCTURES.
4. SEE TYPICAL SECTION SHEETS FOR TYPICAL SECTION NOTES.
5. PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS WERE CALCULATED BASED ON USING 112 LBS. / SQ. YD. / IN.
6. PLAN QUANTITIES FOR TACK COAT WERE CALCULATED BASED ON USING AN APPLICATION RATE OF 0.05 LBS. / SQ. FT.
7. UNLESS OTHERWISE PROVIDED FOR HEREIN, THE CONTRACTOR SHALL PROTECT AND RESTORE EXISTING TRAFFIC SIGNS IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AT LOCATIONS WHERE NEW SIGNS REPLACE EXISTING SIGNS, THE CONTRACTOR SHALL REMOVE THE EXISTING SIGNS AND DELIVER THEM TO THE CITY OF ALTON STREET DEPARTMENT. THE COST OF THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. ALL CONSTRUCTION ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF THE "PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES" (PROWAG) WITHIN THE PEDESTRIAN ACCESS ROUTE (PAR). THE PAR IS A SPACE WITH A MINIMUM WIDTH OF 4 FEET WITHIN SIDEWALKS, CURB RAMPS, DRIVEWAY PAVEMENTS AND PAVEMENT SURFACE WITHIN CROSSWALKS.
9. TEMPORARY RAMPS SHALL BE 5' LONG ON WASHINGTON AVE. AND SHALL BE 2' LONG ON THE OTHER SIDE STREETS.
10. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING AND PAVING OPERATIONS. TEMPORARY RAMPS SURROUNDING THESE ITEMS SHALL BE INCLUDED WITH THE MILLING PAY ITEM.
11. NEW CONCRETE CURB, TYPE B SHALL INCLUDE TIE BARS AS DESCRIBED IN THE TYPICAL SECTION NOTES. CURB MAY BE POURED MONOLITHIC WITH ADJACENT PAVEMENT PATCH. TIE BARS MAY BE OMITTED IF POURED MONOLITHIC.

## COMMITMENTS

NONE

REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
ENGINEERS  
618 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

CITY OF ALTON  
SECTION 15-00237-00-PV  
WASHINGTON AVENUE  
GENERAL NOTES, LEGENDS & CONTROL POINTS

CONTRACT NO. XXXXX

WASHINGTON GEN NOTES.DWG

REF. BK. PG.  
JOB NO. 409433.1  
DSN. BY: DEG  
DWN. BY: CDP  
CHK. BY: DEG  
DATE: DEC. 2018

SCALE: NONE

SHEET 2 OF 23

SUMMARY OF QUANTITIES			
CODE NO.	CONSTRUCTION TYPE CODE ITEM	0005	
		UNIT	QUANTITY
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	20
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	6,484
40600837	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70	TON	594
40600990	TEMPORARY RAMP	SQ YD	97
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	655
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	11
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	4,122
42400800	DETECTABLE WARNINGS	SQ FT	335
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	14,408
44000300	CURB REMOVAL	FOOT	532
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	18
44000600	SIDEWALK REMOVAL	SQ FT	3,313
44200050	WELDED WIRE REINFORCEMENT	SQ YD	427
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	66
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	142
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	64
44200929	CLASS B PATCHES, TYPE I, 8 INCH	SQ YD	3
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	427
44201298	DOWEL BARS 1 1/4"	EACH	624
44213200	SAW CUTS	FOOT	701
60264100	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 15 FRAME AND LID	EACH	1
60600605	CONCRETE CURB, TYPE B	FOOT	550

SUMMARY OF QUANTITIES			
CODE NO.	CONSTRUCTION TYPE CODE ITEM	0005	
		UNIT	QUANTITY
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4
67100100	MOBILIZATION	LSUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,610
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	888
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	44
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7,395
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	501
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	775
* 72000100	SIGN PANEL - TYPE 1	SQ FT	99
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	209
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	44
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,395
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	501
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	775
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	639
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	105
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	5
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2,515

\* DENOTES SPECIALTY PAY ITEM

REVISIONS									
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**SMS**  
ENGINEERS

Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

CITY OF ALTON  
SECTION 15-00237-00-PV  
WASHINGTON AVENUE  
SUMMARY OF QUANTITIES

CONTRACT NO. XXXXX	
WASHINGTON QUANTITIES.DWG	
REF. BK.	PG.
JOB NO. 409433.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOV. 2018	
SCALE: NONE	
SHEET	3 OF 23



SIGNING SCHEDULE						
LOCATION STATION	LEGEND OR TYPE	MUTCD SIGN DESIGNATION	SIZE W X H (INCHES)	SIGN PANEL TYPE 1 (SQ. FT.)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	NOTES
0+65 RT.	PEDESTRIAN					SIGN PANEL TO BE REMOVED (POST AND "NO PARKING" TO REMAIN)
2+31 RT.	BUS STOP					SIGN AND POST TO BE RELOCATED BY OTHERS
2+33 RT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	"AHEAD"	W16-9P (FYG)	24" X 12"	2		
3+86 RT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	18.5	PROVIDE AN EXTRA 18" OF POST LENGTH FOR BUS STOP SIGN TO BE RELOCATED BY OTHERS
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
3+95 RT.	30 MPH SPEED LIMIT					TO BE RELOCATED (LOCATION TO BE DETERMINED)
3+98 LT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
7+97 RT.	PEDESTRIAN					SIGN PANEL TO BE REMOVED ("NEIGHBORHOOD WATCH" TO REMAIN)
8+66 LT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	18.5	PROVIDE AN EXTRA 18" OF POST LENGTH FOR BUS STOP SIGN TO BE RELOCATED BY OTHERS
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
8+67 RT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
8+90 LT.	PEDESTRIAN					TO BE REMOVED
11+90 RT.	PEDESTRIAN					TO BE REMOVED
12+47 RT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
12+47 LT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	18.5	PROVIDE AN EXTRA 18" OF POST LENGTH FOR BUS STOP SIGN TO BE RELOCATED BY OTHERS
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
12+50 LT.	BUS STOP					TO BE RELOCATED BY OTHERS
15+89 RT.	PEDESTRIAN					TO BE REMOVED
16+47 RT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
16+53 LT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
23+80 RT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
23+88 LT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	DOWNWARD DIAGONAL ARROW	W16-7P (FYG)	24" X 12"	2		
24+09 LT.	PEDESTRIAN					TO BE REMOVED
25+30 LT.	PEDESTRIAN	W11-2 (FYG)	30" X 30"	6.25	17	
	"AHEAD"	W16-9P (FYG)	24" X 12"	2		
TOTAL				99	209	

**SIGN SCHEDULE NOTES**

- ALL SIGNS SHALL BE LOCATED PER HIGHWAY STANDARD 720006 UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- FYG denotes Fluorescent Yellow Green

PAVEMENT MARKING SCHEDULE		
ITEM	QUANTITY	UNIT
THERMOPLASTIC PAVEMENT MARKING – LINE 4" (WHITE)	2,685	FOOT
THERMOPLASTIC PAVEMENT MARKING – LINE 4" (YELLOW)	4,710	FOOT
TOTAL 4"	7,395	FOOT
THERMOPLASTIC PAVEMENT MARKING – LINE 6" (WHITE)	501	FOOT
THERMOPLASTIC PAVEMENT MARKING – LINE 12" (WHITE)	775	FOOT
THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE)	43.6	SQ. FT.
PAINT PAVEMENT MARKING – LINE 6" (WHITE)	639	FOOT
PAINT PAVEMENT MARKING – LINE 12" (WHITE)	105	FOOT

PAVEMENT PATCHING SCHEDULE												
STATION TO STATION	LANE	LENGTH (FEET)	WIDTH (FEET)	CLASS B PATCHES, 8 INCH (SQ. YD.)		DOWEL BARS 1 1/4" (EACH)	WELDED WIRE REINFORCEMENT (SQ. YD.)	PAVEMENT PATCHING, 12 INCH (SQ. YD.)			SAW CUTS (FEET)	
				TYPE I	TYPE IV			TYPE I	TYPE II	TYPE IV		
0+98	1+02	NBIL	4	13								
5+11	5+15	NBOL	4	11				5		6		
5+13	5+22	NBOL	9	8						8		
6+97	7+01	NBOL	4	11				5				
6+97	7+01	NBIL	4	12						5		
7+35	7+39	NBOL	4	11				5				
7+67	7+71	NBIL	4	12						5		
8+03	8+07	NBIL	4	12						5		
9+10	9+14	NBOL	4	11				5				
9+10	9+14	NBIL	4	12						5		
10+53	10+57	SBL	4	13						6		
11+25	11+29	NBOL	4	11				5				
11+25	11+29	SBL	4	13						6		
11+60	11+64	SBL	4	13						6		
11+91	11+95	SBL	4	13						6		
13+15	13+19	NBOL	4	11				5				
13+74	13+78	NBOL	4	11				5				
13+74	13+78	NBIL	4	12						5		
14+43	14+47	NBOL	4	11				5				
14+43	14+47	NBIL	4	12						5		
14+53	14+57	SBL	4	13						6		
15+12	15+16	NBOL	4	11				5				
15+12	15+16	NBIL	4	12						5		
15+80	15+84	NBOL	4	11				5				
16+10	16+47	SBL	6	13						9		
16+10	16+45	SB PKG LN	4	8				4				
16+42	16+46	SBL	4	8				4				
16+85	16+89	SBL	4	13						6		
17+53	17+57	SBL	4	13						6		
17+86	17+93	NBOL	7	11						9		
18+52	18+56	NBOL	4	11				5				
18+52	18+56	SBL	4	13						6		
19+27	19+52	NBIL	25	12							33	
21+68	21+72	NBIL	4	12						5		
25+55	25+59	NBOL	4	11				5				
25+55	25+59	NBIL	4	12						5		
26+22	26+26	NBIL	4	12						5		
26+22	26+26	SBL	4	13						6		
26+56	26+60	SBL	4	13						6		
27+67	27+95	SBL	28	10							31	
28+96	29+00	SBL	4	13						6		
CRAWFORD ST.	W. APRON					56	75	56			85	
JUDSON AVE.	W. APRON					68	75	68			85	
	E. APRON					37	108	37			118	
MAXEY ST.	W. APRON					61	86	61			96	
	E. APRON					56	50	56			60	
BOSTWICK ST.	E. APRON				3		10				17	
POWHATTEN ST.	W. APRON					61	80	61			90	
	E. APRON					63	92	63			92	
SALU ST.	W. APRON					25	48	25			58	
TOTALS			215	465	3	427	624	427	66	142	64	701

NBIL Denotes North Bound Inside Lane  
 NBOL Denotes North Bound Outside Lane  
 SBL Denotes South Bound Lane  
 SB Pkg Ln Denotes South Bound Parking Lane

NOTE:  
 SIDE ROADS MAY BE CLOSED FOR PATCHING, THEREFORE  
 PATCHES ARE SHOWN AS ONE LARGE PATCH.

REVISIONS											
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**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 715 Market Street, Alton, IL 62002 618-465-9755 E-mail: mail@smsengineers.com  
**ENGINEERS** DESIGN FIRM # 184-000992

CITY OF ALTON  
 SECTION 15-00237-00-PV  
 WASHINGTON AVENUE  
 SCHEDULES

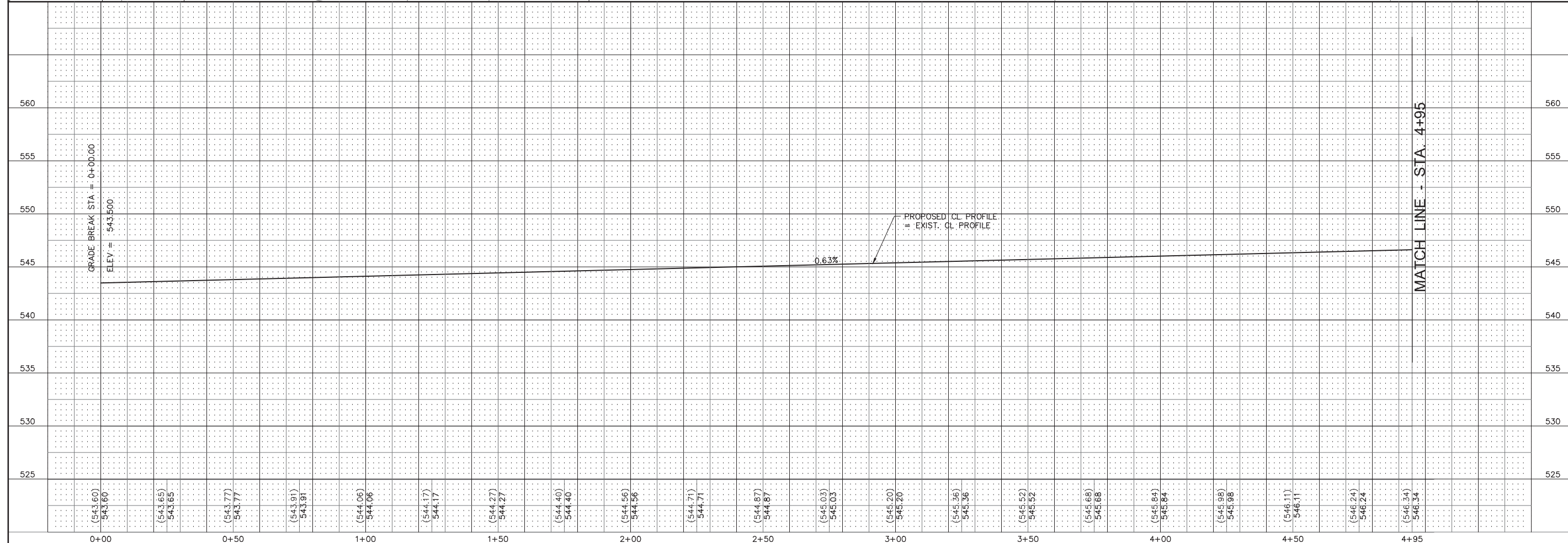
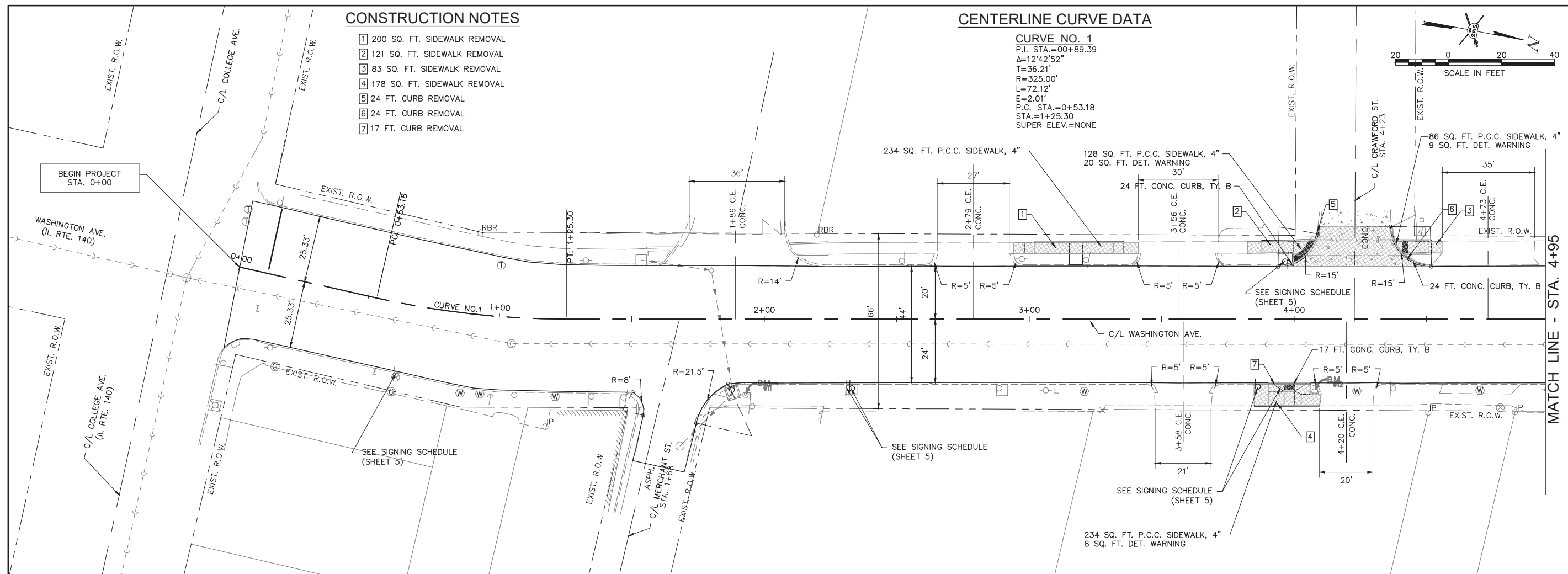
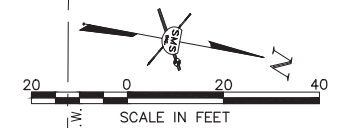
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WASHINGTON SCHED.DWG	
REF. BK.	PG.
JOB NO.	409433.1
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	NOV. 2018
SCALE:	NONE
SHEET	5 OF 23

**CONSTRUCTION NOTES**

- 1 200 SQ. FT. SIDEWALK REMOVAL
- 2 121 SQ. FT. SIDEWALK REMOVAL
- 3 83 SQ. FT. SIDEWALK REMOVAL
- 4 178 SQ. FT. SIDEWALK REMOVAL
- 5 24 FT. CURB REMOVAL
- 6 24 FT. CURB REMOVAL
- 7 17 FT. CURB REMOVAL

**CENTERLINE CURVE DATA**

**CURVE NO. 1**  
 P.I. STA.=00+89.39  
 $\Delta=12^{\circ}42'52''$   
 T=36.21'  
 R=325.00'  
 L=72.12'  
 E=2.01'  
 P.C. STA.=0+53.18  
 STA.=1+25.30  
 SUPER ELEV.=NONE



REVISIONS


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 DESIGN FIRM # 184-000952

CITY OF ALTON  
 SECTION 15-00237-00-PV  
 WASHINGTON AVENUE  
 PLAN AND PROFILE

CONTRACT NO. 97695  
 WASHINGTON PP.DWG

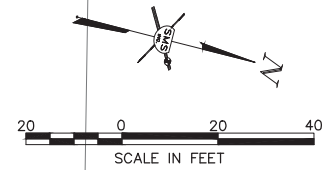
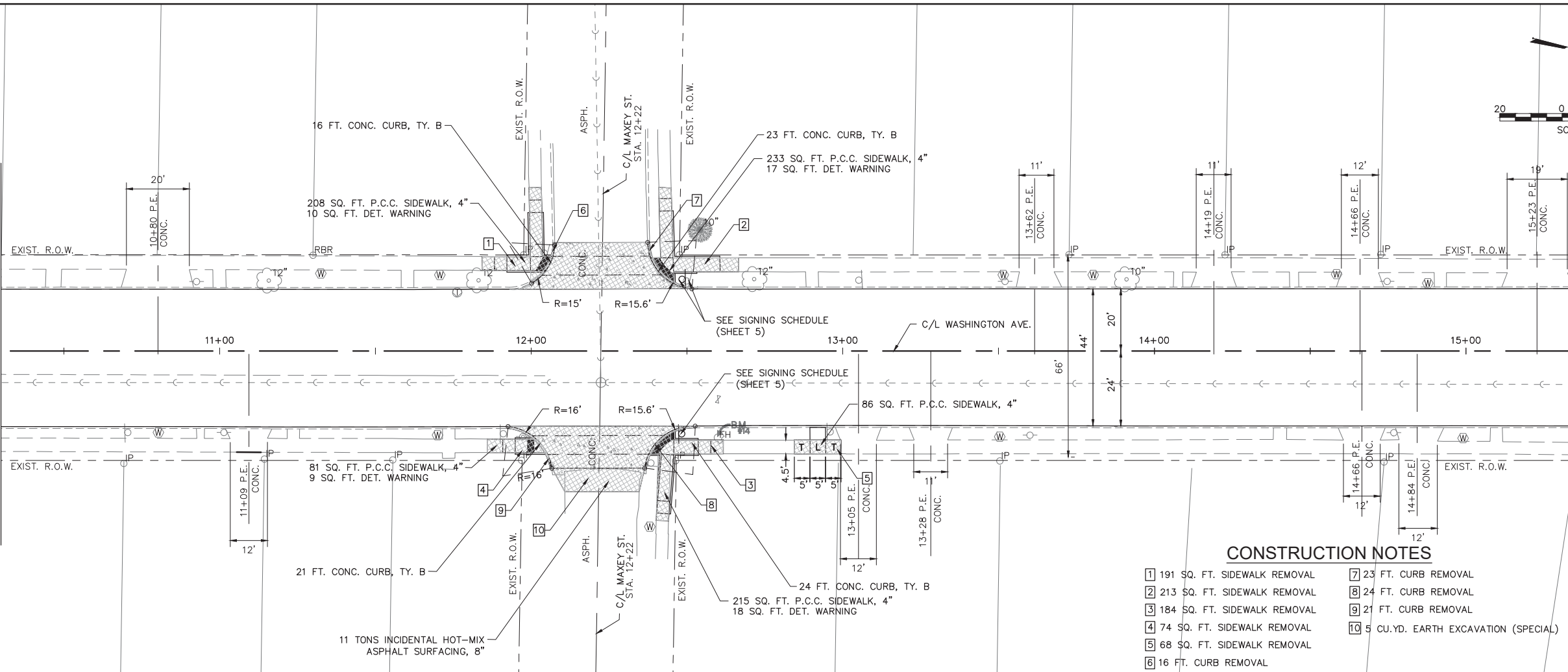
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JOB NO. 409433.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: DEC. 2018	

HORZ: 1" = 20'  
 SCALE: VERT: 1" = 5'

SHEET 6 OF 23



MATCH LINE - STA. 10+30



MATCH LINE - STA. 15+35

**CONSTRUCTION NOTES**

- 1 191 SQ. FT. SIDEWALK REMOVAL
- 2 213 SQ. FT. SIDEWALK REMOVAL
- 3 184 SQ. FT. SIDEWALK REMOVAL
- 4 74 SQ. FT. SIDEWALK REMOVAL
- 5 68 SQ. FT. SIDEWALK REMOVAL
- 6 16 FT. CURB REMOVAL
- 7 23 FT. CURB REMOVAL
- 8 24 FT. CURB REMOVAL
- 9 21 FT. CURB REMOVAL
- 10 5 CU.YD. EARTH EXCAVATION (SPECIAL)

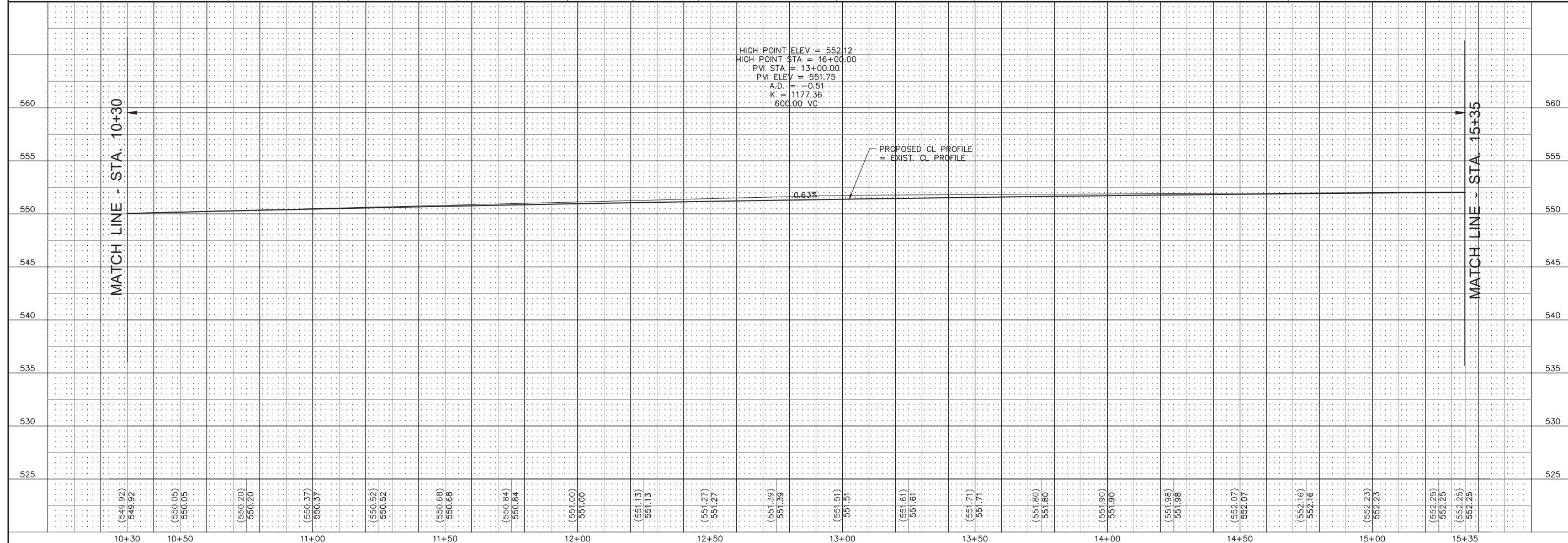
HIGH POINT ELEV = 552.12  
 HIGH POINT STA = 16+00.00  
 PVI STA = 13+00.00  
 PVI ELEV = 551.75  
 A.D. = -0.51  
 K = 1177.36  
 600.00 VC

PROPOSED CL PROFILE  
 = EXIST. CL PROFILE

0.63%

MATCH LINE - STA. 10+30

MATCH LINE - STA. 15+35



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CONTRACT NO. 97695  
 WASHINGTON PP.DWG

REF. BK.	PG.
JOB NO. 409433.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: DEC. 2018	

HORIZ: 1" = 20'  
 SCALE: VERT: 1" = 5'

SHEET 8 OF 23

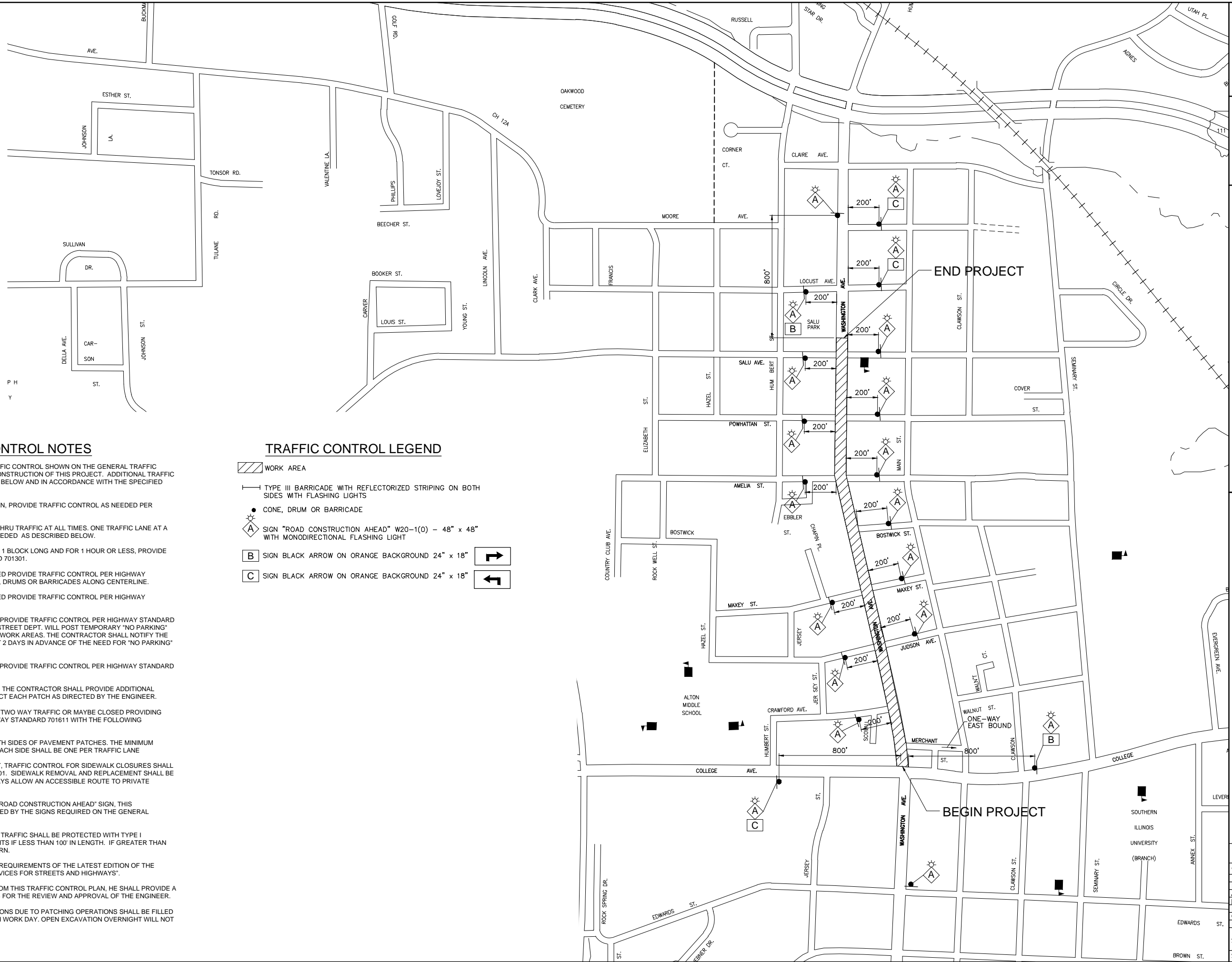








300 0 300 600  
SCALE IN FEET



**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. WASHINGTON AVE. SHALL REMAIN OPEN TO THRU TRAFFIC AT ALL TIMES. ONE TRAFFIC LANE AT A TIME WILL BE ALLOWED TO BE CLOSED AS NEEDED 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. IF THE NORTH BOUND OUTER LANE IS CLOSED PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701606 WITH ADDITIONAL CONES, DRUMS OR BARRICADES ALONG CENTERLINE.
  - C. IF THE INNER NORTH BOUND LANE IS CLOSED PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701502.
  - D. IF BOTH NORTH BOUND LANES ARE CLOSED PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701611. 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.
  - E. WHEN THE SOUTHBOUND LANE IS CLOSED - PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701611.
  - F. 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 MAYBE CLOSED PROVIDING PROPER SIGNS AND BARRICADES PER HIGHWAY STANDARD 701611 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
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. ALL CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
9. 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.
10. 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 OVERNIGHT WILL NOT BE ALLOWED.

**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"

REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
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2715 Market Street P.O. Box E, Alton, IL 62002 61846249155 E-mail: sma@smsengineers.com  
DESIGN FIRM # 184-000992

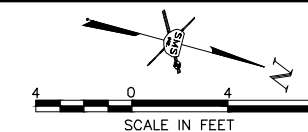
CITY OF ALTON  
SECTION 15-00237-00-PV  
WASHINGTON AVENUE  
GENERAL TRAFFIC CONTROL PLAN

CONTRACT NO.	XXXXX
WASHINGTON DETOUR.DWG	
REF. BK.	PG.
JOB NO.	409433.1
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	NOV. 2017
SCALE:	1" = 300'
SHEET	12 OF 23

**GENERAL NOTES**

1. PROPOSED SIDEWALK PLANS SHOW THE DESIGN CONCEPT, HOWEVER THE SPOT ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE AS THE FINAL PAVEMENT AND CURB AND GUTTER MAY HAVE SOME VARIATION. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK BY BEGINNING AT THE CURB AND WORKING UP THE RAMP IN ORDER TO ALLOW FOR ADJUSTMENTS IN ELEVATION AND LENGTHS IF NEEDED.

**CONSTRUCTION NOTES**



REVISIONS

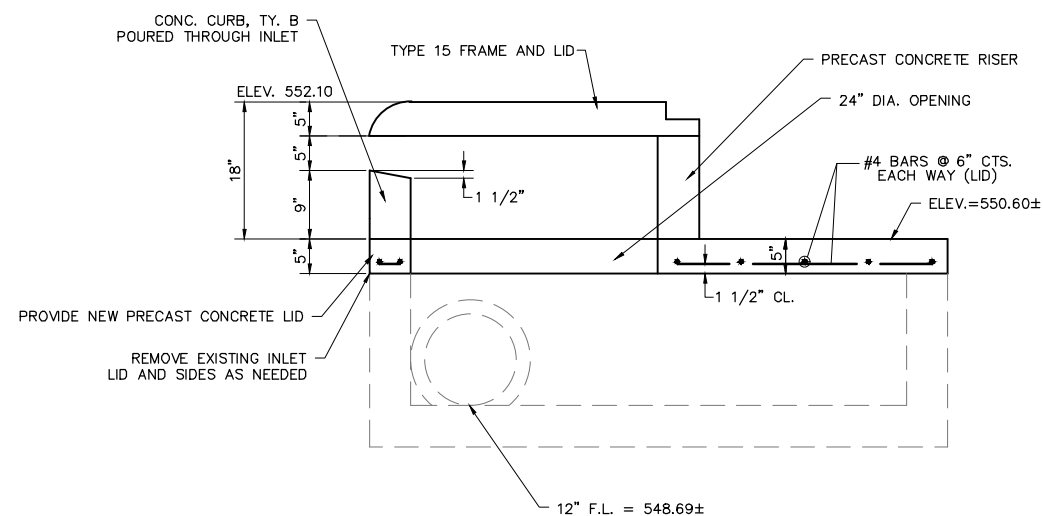

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CITY OF ALTON  
 SECTION 15-00237-00-PV  
 WASHINGTON AVENUE  
 CONSTRUCTION DETAILS

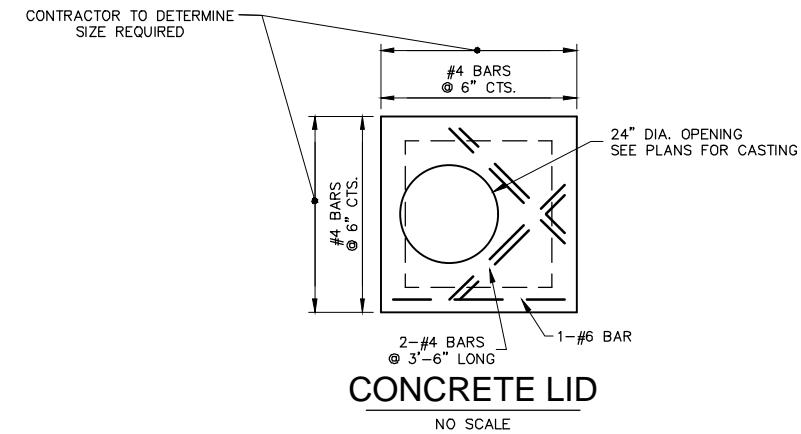
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REF. BK.	PG.
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DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	DEC. 2018

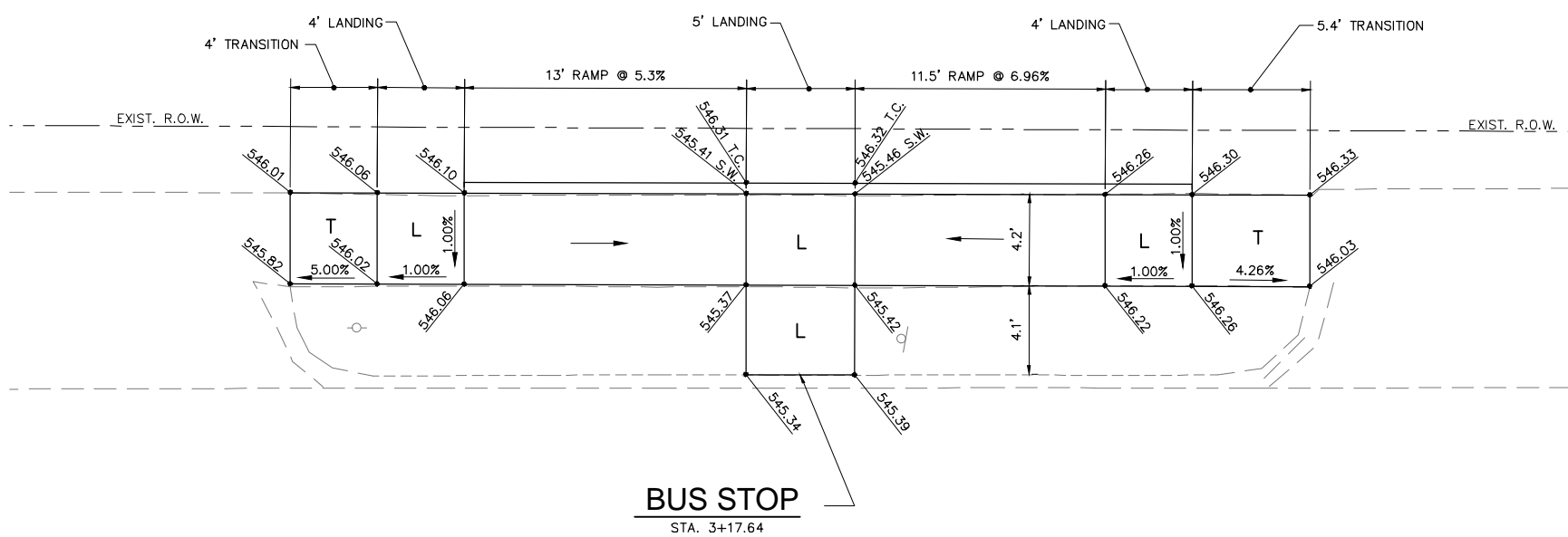
SCALE: AS SHOWN  
 SHEET 13 OF 23



**SECTION**  
 INLETS TO BE RECONSTRUCTED WITH NEW TYPE 15 FRAME AND LID



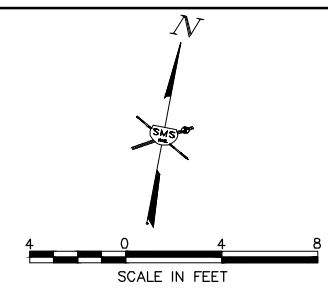
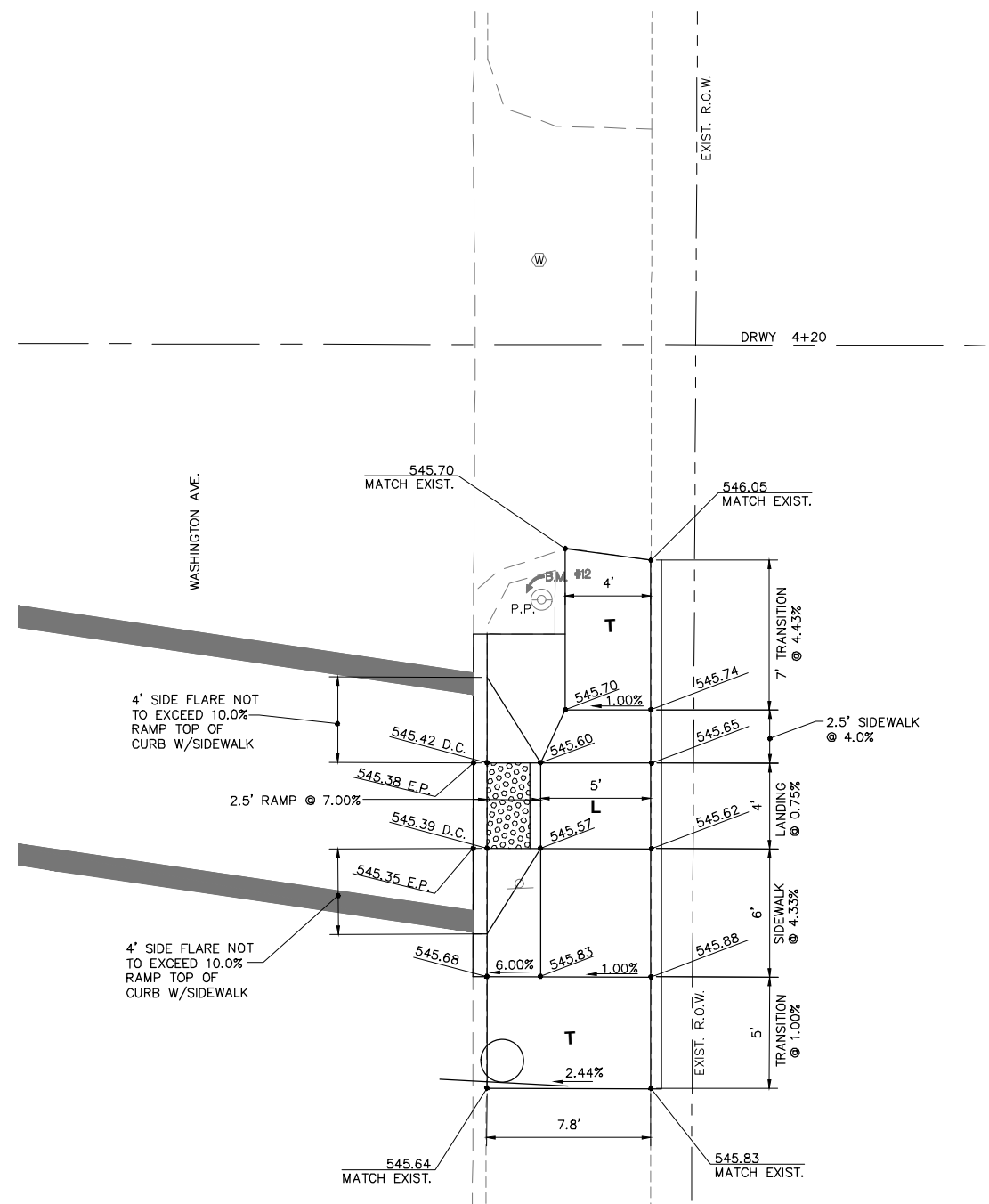
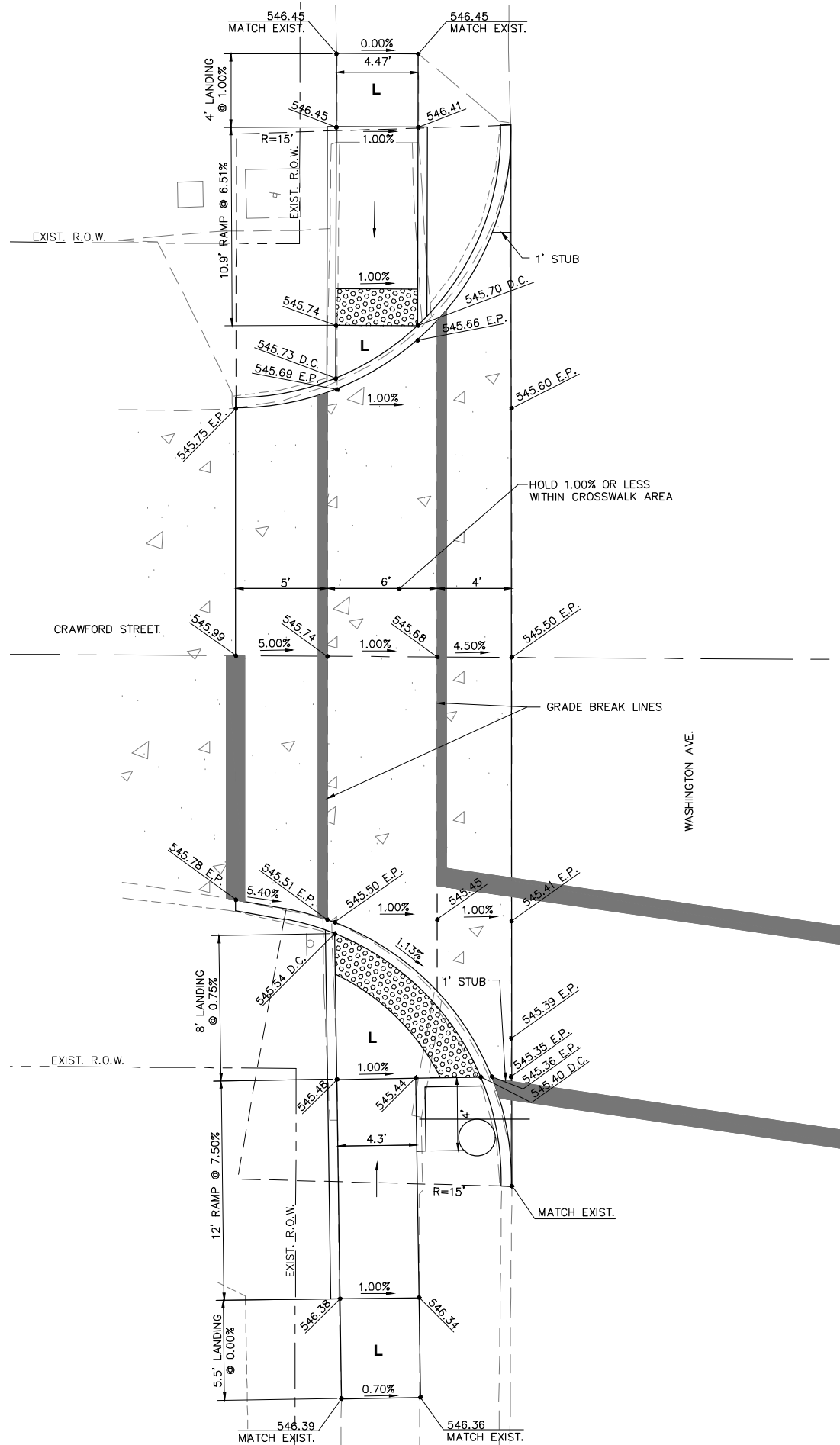
**CONCRETE LID**  
 NO SCALE



**BUS STOP**  
 STA. 3+17.64

**SIDEWALK LEGEND**

- RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- L 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
- P PASSING SPACE - MIN. SIZE 5' X 5', MAX CROSS SLOPE = 2.0%



**GENERAL NOTES**

1. PROPOSED SIDEWALK PLANS SHOW THE DESIGN CONCEPT, HOWEVER THE SPOT ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE AS THE FINAL PAVEMENT AND CURB AND GUTTER MAY HAVE SOME VARIATION. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK BY BEGINNING AT THE CURB AND WORKING UP THE RAMP IN ORDER TO ALLOW FOR ADJUSTMENTS IN ELEVATION AND LENGTHS IF NEEDED.

**CONSTRUCTION NOTES**

**SIDEWALK LEGEND**

- RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ - DETECTABLE WARNING
- L - 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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 CONSTRUCTION DETAILS

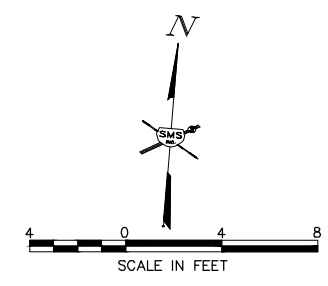
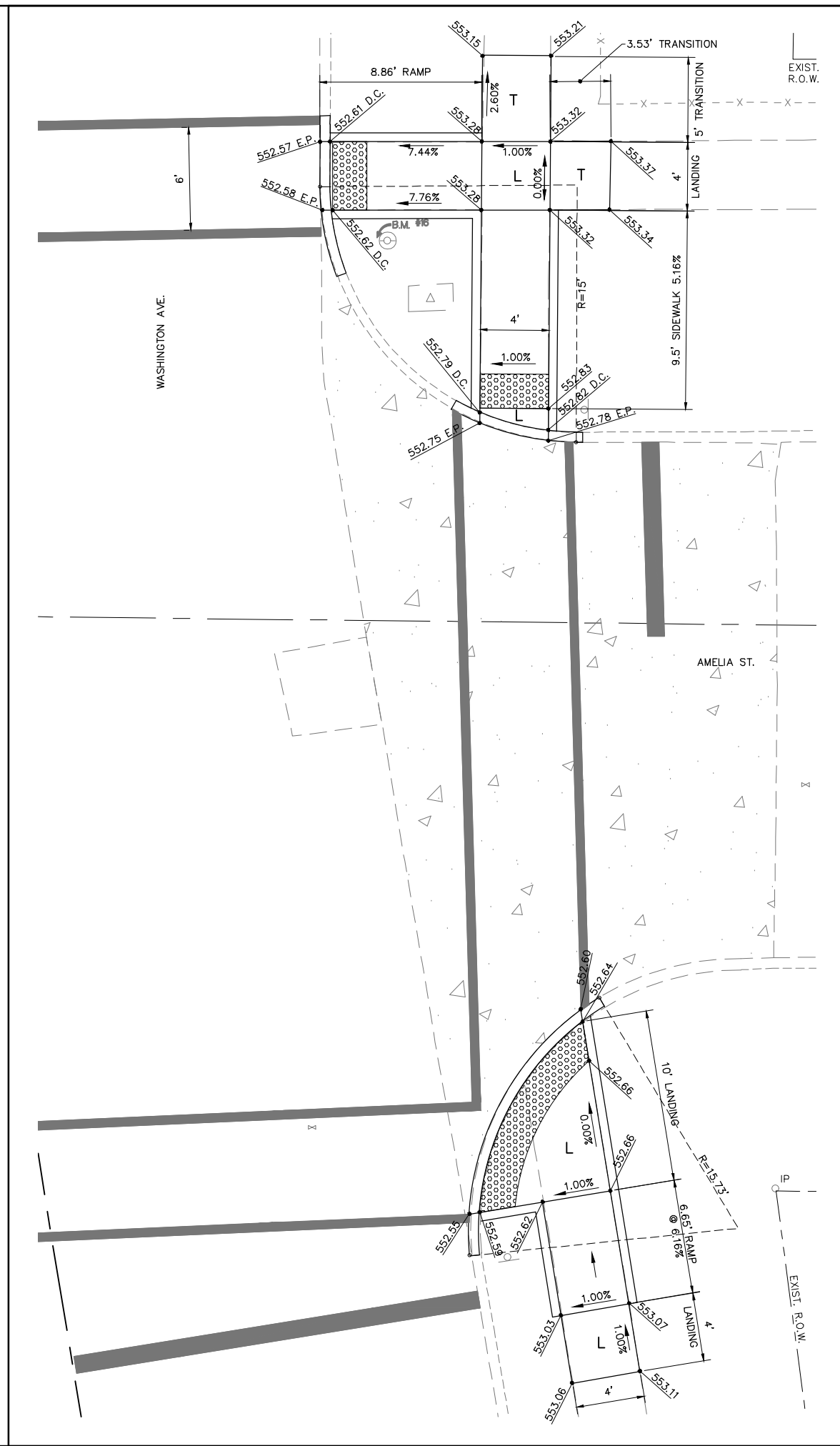
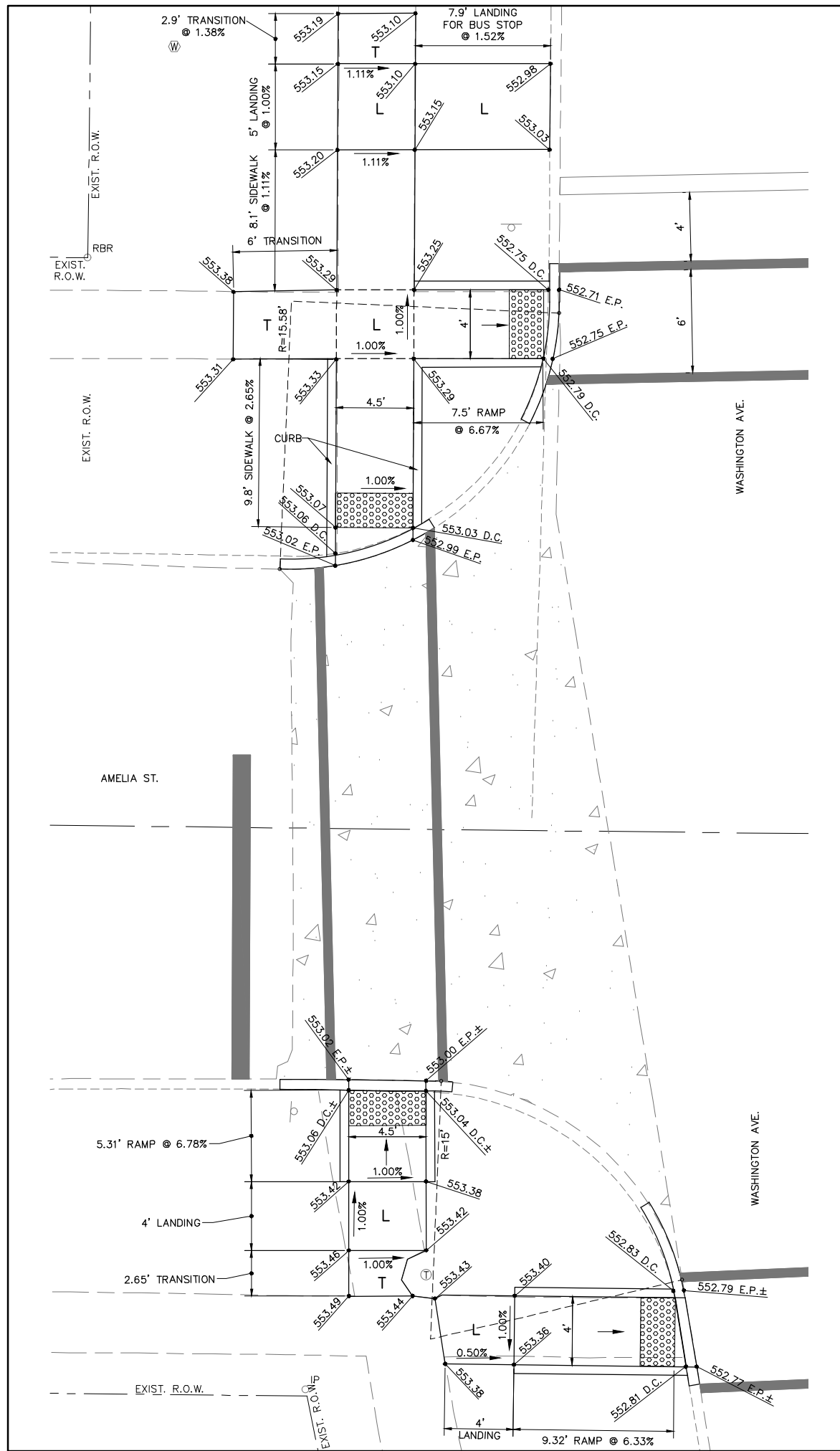
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WASHINGTON PP.DWG	
REF. BK.	PG.
JOB NO.	409433.1
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	DEC. 2018
SCALE:	1" = 4'
SHEET	14 OF 23











**GENERAL NOTES**

1. PROPOSED SIDEWALK PLANS SHOW THE DESIGN CONCEPT, HOWEVER THE SPOT ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE AS THE FINAL PAVEMENT AND CURB AND GUTTER MAY HAVE SOME VARIATION. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK BY BEGINNING AT THE CURB AND WORKING UP THE RAMP IN ORDER TO ALLOW FOR ADJUSTMENTS IN ELEVATION AND LENGTHS IF NEEDED.

**CONSTRUCTION NOTES**

**SIDEWALK LEGEND**

- RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ - DETECTABLE WARNING
- L - 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

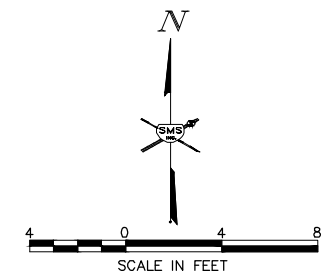
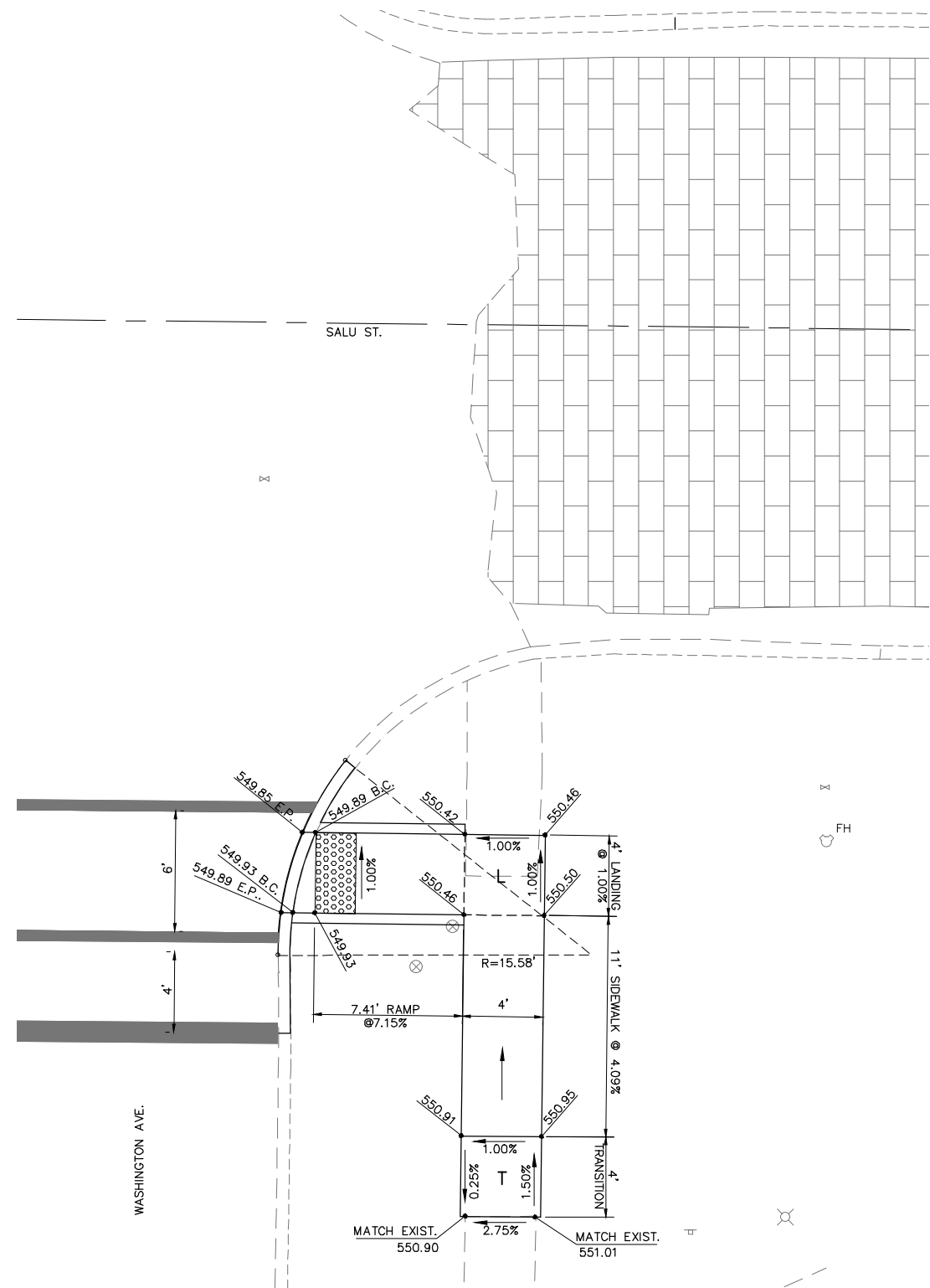
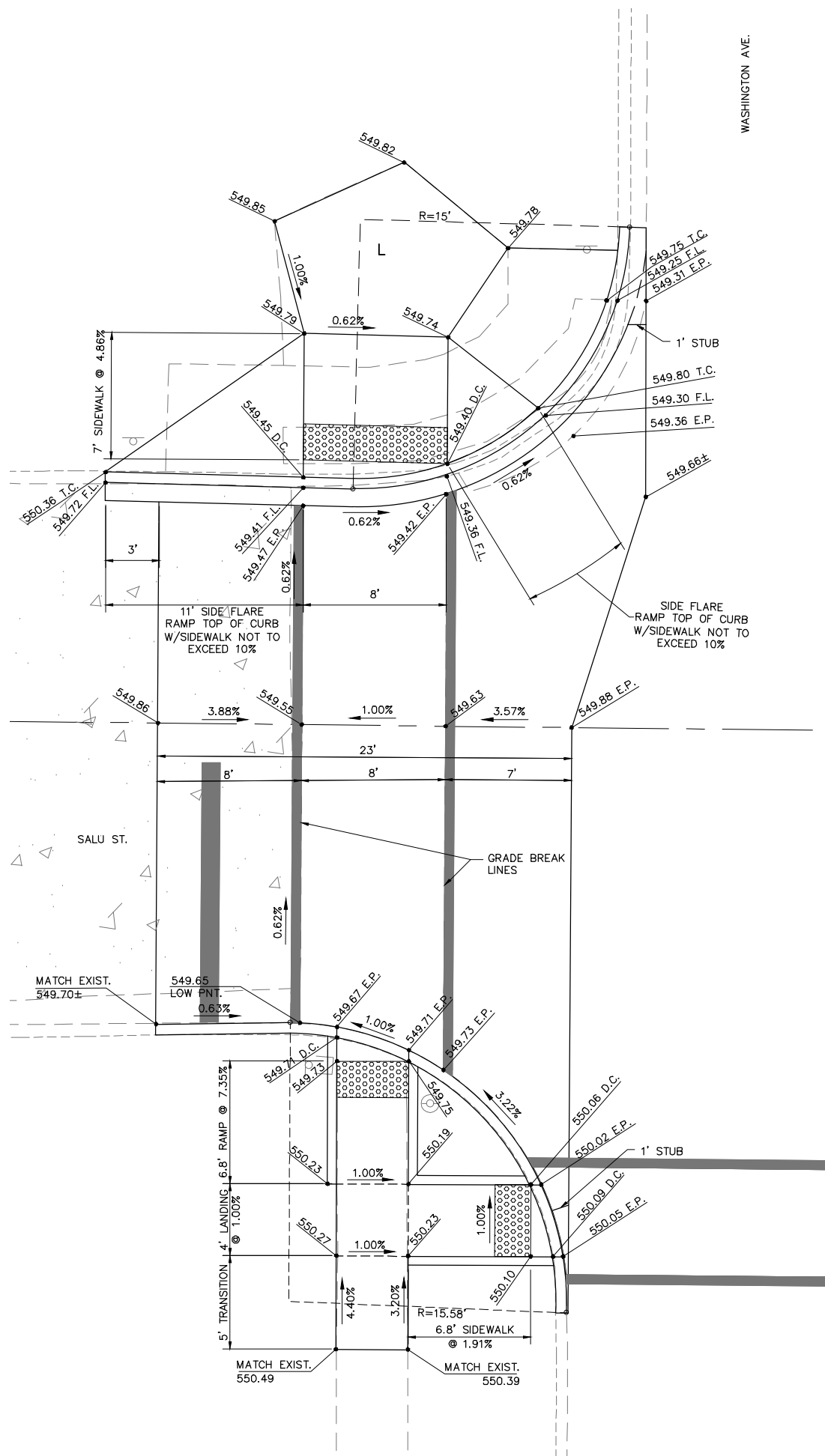
NO.	REVISIONS

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 DESIGN FIRM # 184-000992

CITY OF ALTON  
 SECTION 15-00237-00-PV  
 WASHINGTON AVENUE  
 CONSTRUCTION DETAILS

CONTRACT NO. 97695	
WASHINGTON PP.DWG	
REF. BK.	PG.
JOB NO. 409433.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: DEC. 2018	
SCALE: 1" = 4'	
SHEET 18 OF 23	





**GENERAL NOTES**

1. PROPOSED SIDEWALK PLANS SHOW THE DESIGN CONCEPT, HOWEVER THE SPOT ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE AS THE FINAL PAVEMENT AND CURB AND GUTTER MAY HAVE SOME VARIATION. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK BY BEGINNING AT THE CURB AND WORKING UP THE RAMP IN ORDER TO ALLOW FOR ADJUSTMENTS IN ELEVATION AND LENGTHS IF NEEDED.

**CONSTRUCTION NOTES**

**SIDEWALK LEGEND**

- RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- L 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

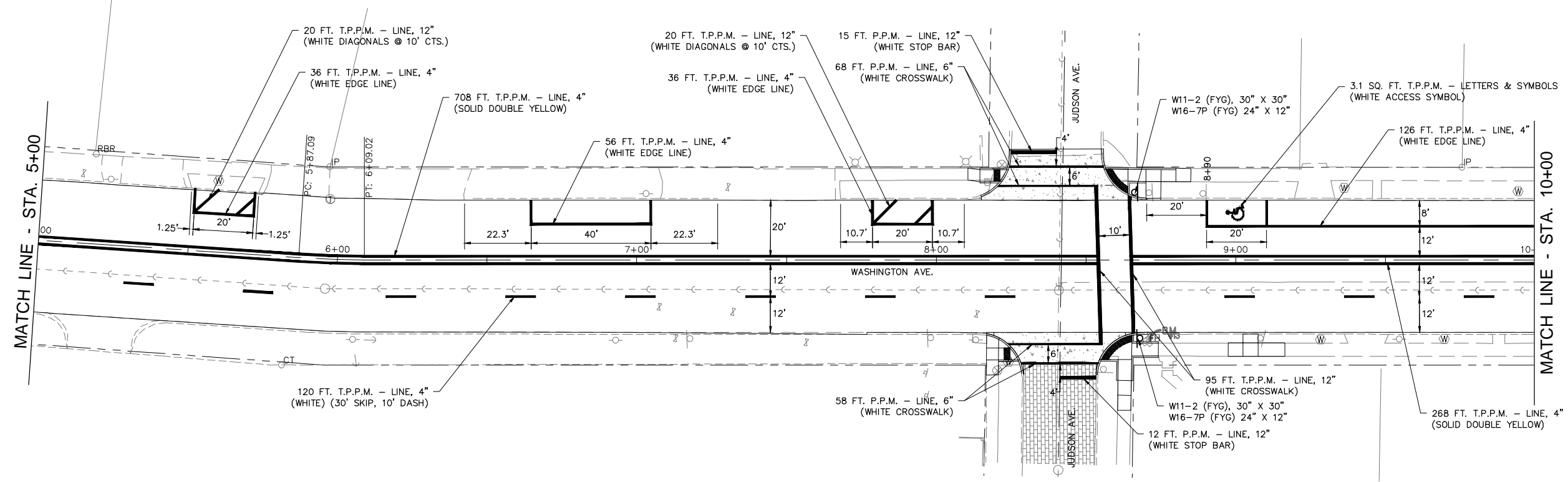
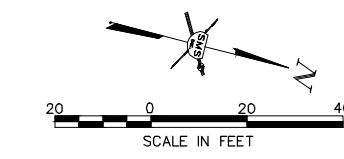
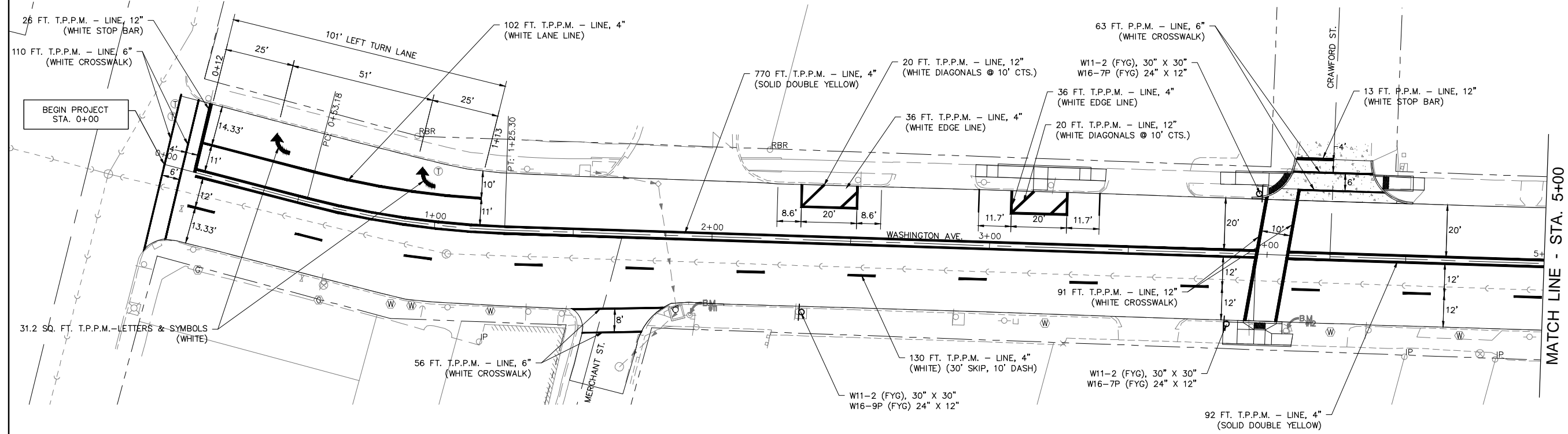
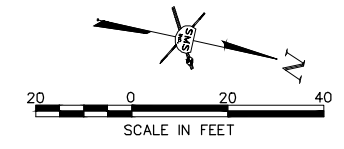
**SMS**  
ENGINEERS

**Sheppard, Morgan & Schwab, Inc.**  
CONSULTING ENGINEERS AND LAND SURVEYORS

715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

CITY OF ALTON  
SECTION 15-00237-00-PV  
WASHINGTON AVENUE  
CONSTRUCTION DETAILS

CONTRACT NO.	97695
WASHINGTON PP.DWG	
REF. BK.	PG.
JOB NO.	409433.1
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	DEC. 2018
SCALE:	1" = 4'
SHEET	20 OF 23



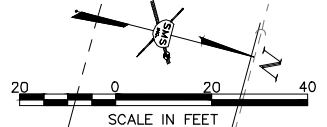
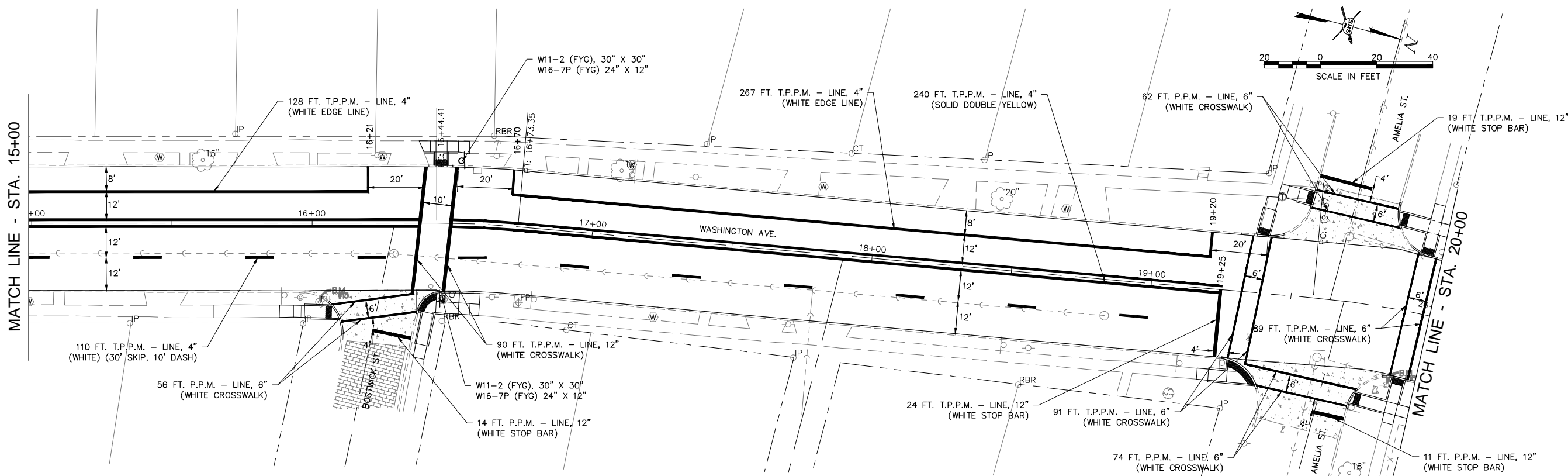
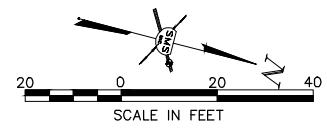
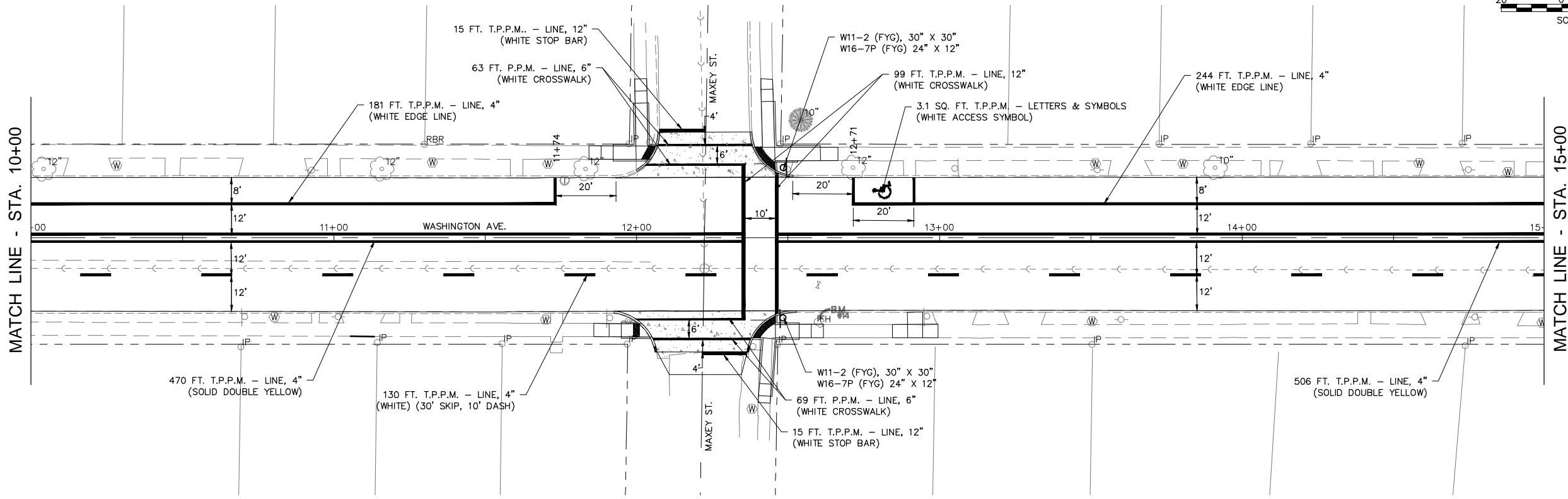
- NOTES**
1. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS T.P.P.M.
  2. PAINT PAVEMENT MARKING IS ABBREVIATED AS P.P.M.

NO.	DESCRIPTION

**SMS** Sheppard, Morgan & Schwab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

CITY OF ALTON  
 SECTION 15-00237-00-PV  
 WASHINGTON AVENUE  
 PAVEMENT MARKING

CONTRACT NO. 97695	
WASHINGTON PVMNT MARK.DWG	
REF. BK.	PG.
JOB NO. 409433.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: DEC. 2018	
SCALE: HORZ: 1" = 20'	
SHEET 21 OF 23	



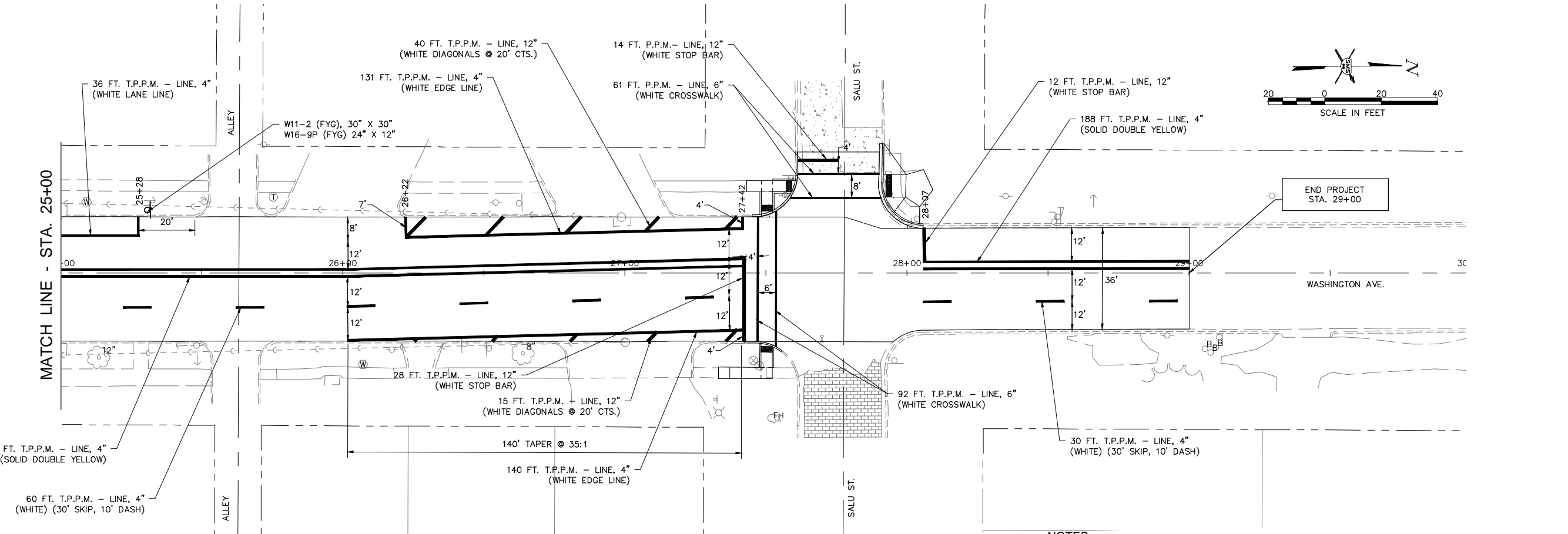
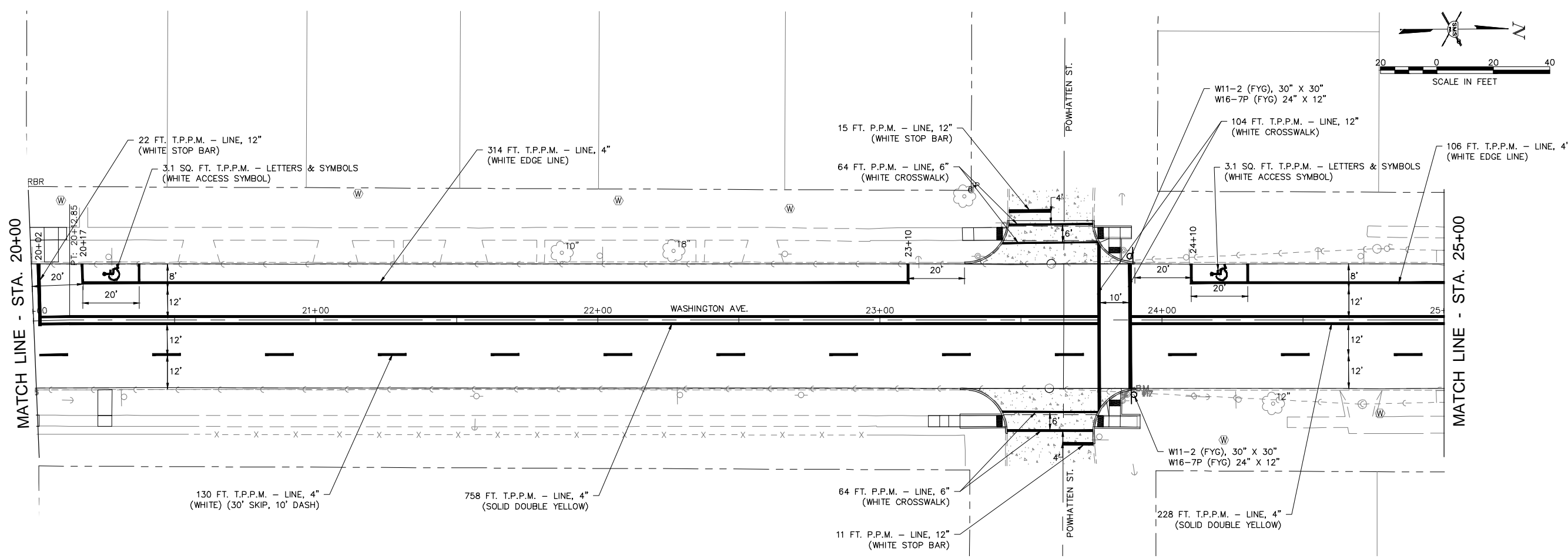
**NOTES**  
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NO.	DESCRIPTION

**SMS ENGINEERS**  
 Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
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CITY OF ALTON  
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DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: DEC. 2018	
SCALE: HORZ: 1" = 20'	
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.

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CITY OF ALTON  
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DATE: DEC. 2018	
SCALE: HORZ: 1" = 20'	
SHEET 23 OF 23	