

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00051-00-RS	MADISON	22	1
CONTRACT NO. 97687			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

03-08-2019 LETTING ITEM 163

STU FUNDS

FRANKLIN AVENUE  
SECTION 15-00051-00-RS  
FAU ROUTE 9011  
PROJECT N8GD(006)  
VILLAGE OF EAST ALTON, ILLINOIS  
MADISON COUNTY  
JOB C-98-033-19



LOCATION OF SECTION INDICATED THUS:-

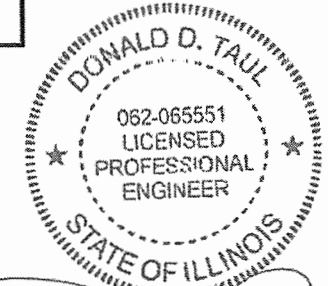
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: 12/5 2018  
*John S. Johnson*  
MAYOR

PASSED: December 28 2018  
*Tom R. Schmitt*  
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED UPON LIMITED  
REVIEW: December 28 2018  
*Jeffrey Keirn*  
JEFFREY KEIRN, P.E.  
REGIONAL ENGINEER

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



*Donald D. Taul*

DATE SIGNED 12-4-18  
EXPIRATION DATE 11/30/19

DECEMBER, 2018

CONTACT JULIE AT 811 OR 800-892-0123  
With the following:  
County MADISON  
City / Township VILLAGE OF EAST ALTON  
Sec & 1/4 Sec No. SEC. 10 & 15, T.5N., R.9W.  
48 HOURS (2 working days) BEFORE YOU DIG

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

AMEREN IP 2600 N. CENTER STREET MARYVILLE, ILLINOIS 62062 (618) 346-1273 (GAS)	AT&T 203 GOETHE COLLINSVILLE, ILLINOIS 62234 (618) 346-6400
AMEREN UE 700 OAKWOOD AVENUE ALTON, ILLINOIS 62002 (618) 463-4051 (ELECTRIC)	VILLAGE OF EAST ALTON STREET DEPT. 119 WEST MAIN EAST ALTON, ILLINOIS 62024 (618) 259-7522
CHARTER COMMUNICATIONS 4767 SIGNATURE INDUSTRIAL DR. EDWARDSVILLE, ILLINOIS 62025 (618) 779-4179	VILLAGE OF EAST ALTON WATER DEPT. 119 WEST MAIN EAST ALTON, ILLINOIS 62024 (618) 259-4646
VILLAGE OF EAST ALTON SEWER DEPT. 119 WEST MAIN EAST ALTON, ILLINOIS 62024 (618) 254-2728	

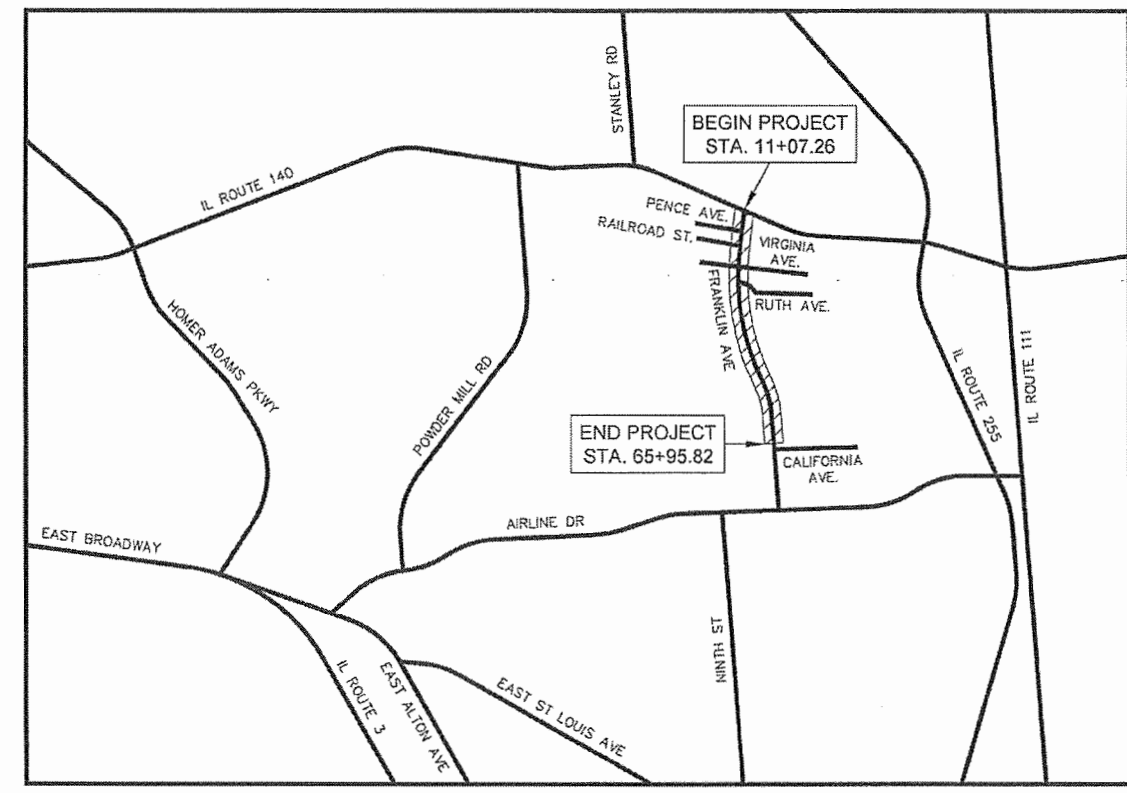
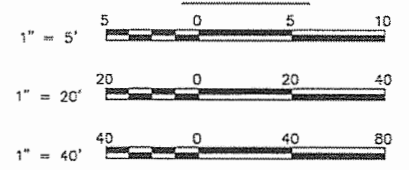
INDEX TO SHEETS

1. COVER SHEET
2. GENERAL NOTES, LEGENDS & CONTROL POINTS
3. SUMMARY OF QUANTITIES
- 4.-5. TYPICAL SECTIONS
- 6.-7. SCHEDULES
- 8.-19. PLAN AND PROFILES
20. TRAFFIC CONTROL PLAN
- 21.-22. PAVEMENT MARKING & DETAIL PLAN

HIGHWAY STANDARDS

- 001001-02
- 001006
- 420701-03
- 442101-09
- 442201-03
- 606101-05
- 701006-05
- 701011-04
- 701301-04
- 701501-06
- 701502-09
- 701901-08
- 780001-05

SCALES



LOCATION MAP  
SCALE IN FEET  
2,000 0 2,000 4,000

GROSS LENGTH = 5,488.56 FEET = 1.040 MILES  
NET PAVING LENGTH = 1,013.74 FEET = 0.192 MILES  
NET PATCHING LENGTH = 4,474.82 FEET = 0.848 MILES

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

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: MAJOR COLLECTOR  
DESIGN SPEED = 35 M.P.H.

Q:\CIVIL\_3D PROJECTS\E. ALTON (429432.1) FRANKLIN AVE\Production Drawings\1 COVER SHEET.dwg, 12/4/2018 3:57:06 PM, jiman, 1-2

**LEGEND**

EXISTING GUY POLE --○--	EXISTING BASELINE	EXISTING GAS
EXISTING LIGHT POLE --X--	EXISTING BRUSH / HEDGE / TREE LINE	EXISTING GUARDRAIL
EXISTING POWER POLE --○--	EXISTING OVERHEAD CABLE TV	EXISTING POND, LAKE, BODY OF WATER, ETC.
EXISTING TELEPHONE POLE --○--	EXISTING UNDERGROUND CABLE TV	EXISTING RAILROAD
EXISTING GUY WIRE --○--	EXISTING CENTERLINE	EXISTING RIGHT-OF-WAY
EXISTING TRANSMISSION TOWER --□--	EXISTING MAJOR CONTOUR	EXISTING SANITARY SEWER
EXISTING ELECTRIC SPLICE BOX --□ <sup>E</sup> --	EXISTING MINOR CONTOUR	EXISTING SECTION LINE
EXISTING TELEPHONE SPLICE BOX --□ <sup>T</sup> --	EXISTING CULVERT	EXISTING SETBACK
EXISTING CABLE SPLICE BOX --□ <sup>TV</sup> --	EXISTING DITCH	EXISTING STORM SEWER
EXISTING WATER HYDRANT --○ <sup>W</sup> --	EXISTING OVERHEAD ELECTRIC	EXISTING OVERHEAD TELEPHONE
EXISTING GAS METER --○ <sup>G</sup> --	EXISTING UNDERGROUND ELECTRIC	EXISTING UNDERGROUND TELEPHONE
EXISTING WATER METER --○ <sup>W</sup> --	EXISTING EASEMENT	EXISTING WATER
EXISTING WATER VALVE --○ <sup>V</sup> --	EXISTING FENCE	EXISTING FORCEMAIN
EXISTING GAS VALVE --○ <sup>G</sup> --	EXISTING FIBER OPTIC	
EXISTING FIRE HYDRANT --○ <sup>FH</sup> --		
EXISTING SANITARY MANHOLE TOP --○ <sup>SM</sup> --		
EXISTING STORM MANHOLE TOP --○ <sup>SM</sup> --		
EXISTING TELEPHONE MANHOLE TOP --○ <sup>TM</sup> --		
EXISTING SANITARY CLEAN OUT --○ <sup>SC</sup> --		
CONTROL POINT --○ <sup>CP</sup> --		
BENCHMARK --B.M.--		
TEST PIT / NUMBER --T.P.# X--		
BORING / NUMBER --B.# X--		
RIGHT-OF-WAY MARKER --○ <sup>MON</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>IP</sup> --		
EXISTING MAILBOX --F--		
EXISTING FENCE POST --○ <sup>F</sup> --		
EXISTING GATE POST --○ <sup>F</sup> --		
EXISTING FLAG POLE --○ <sup>F</sup> --		
EXISTING GUARD POST --○ <sup>GP</sup> --		
EXISTING ADVERTISING SIGN --S--		
EXISTING TRAFFIC SIGN --S--		
EXISTING PARKING METER --P--		
EXISTING RAILROAD MILE POST --MP--		
EXISTING RAILROAD SIGNAL CONTROLLER --S--		
EXISTING RAILROAD CROSSING GATE --S--		
EXISTING TRAFFIC SIGNAL --S--		
EXISTING TRAFFIC SIGNAL CONTROLLER --S--		
EXISTING HANDHOLE --H--		
EXISTING DOUBLE HANDHOLE --H--		
EXISTING MAST ARM BASE --MA--		
EXISTING DECIDUOUS TREE / SIZE --XX"		
EXISTING EVERGREEN TREE / SIZE --XX"		
EXISTING STUMP / SIZE --XX"		
EXISTING BUSH --B--		
EXISTING SHRUB --S--		
EXISTING TREE TO BE REMOVED --X--		

**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
CU YD	CUBIC YARD	RRPM	RAISED REFLECTIVE PAVEMENT MARKER
DE	DRAINAGE EASEMENT	RT	RIGHT
DIP	DUCTILE IRON PIPE	S	SOUTH
E	EAST	SE	SOUTHEAST
ELEV	ELEVATION	SL	SECTION LINE
EP	EDGE OF PAVEMENT	SS1	STORM SEWER TYPE 1
EQN STA	EQUATION STATION	SS2	STORM SEWER TYPE 2
ES	EDGE OF SHOULDER	SS3	STORM SEWER TYPE 3
FE	FIELD ENTRANCE	STA	STATION
FH	FIRE HYDRANT	SW	SOUTHWEST OR SIDEWALK
FL	FLOW LINE	TB	TRENCH BACKFILL
FT	FOOT	TBR	TO BE REMOVED
FWD	FORWARD	TC	TOP OF CURB
GP	GUARD POST	TCE	TEMPORARY CONSTRUCTION EASEMENT
HDPE	HIGH DENSITY POLYETHYLENE	TPM	TEMPORAY PAVEMENT MARKING
HMA	HOT-MIX ASPHALT	TPPM	THERMOPLASTIC PAVEMENT MARKING
IP	IRON PIPE	TUP	TEMPORARY USE PERMIT
LT	LEFT	TY	TYPE
MON	MONUMENT	TYP	TYPICAL
MP	MILE PIPE	VC	VERTICAL CURVE
N	NORTH	VCP	VITRIFIED CLAY PIPE
NE	NORTHEAST	W	WEST
NW	NORTHWEST	WMA	WATER MAIN QUALITY
O&C	OIL AND CHIP		

**GENERAL NOTES**

- PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS WERE CALCULATED BASED ON USING 112 LBS. / SQ. YD. / IN.

**COMMITMENTS**

NONE

HORIZONTAL CONTROL				
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	809626.947	2321786.358	516.530	REBAR w/ CONTROL POINT CAP
1001	810197.095	2321772.565	519.990	REBAR w/ CONTROL POINT CAP
1002	810853.957	2321704.839	512.220	REBAR w/ CONTROL POINT CAP
1003	811451.730	2321393.471	502.885	REBAR w/ CONTROL POINT CAP
1004	812263.651	2321168.011	483.005	REBAR w/ CONTROL POINT CAP
1005	812875.366	2321162.701	464.505	REBAR w/ CONTROL POINT CAP
1006	813529.578	2321186.008	477.655	REBAR w/ CONTROL POINT CAP
1007	813845.836	2321222.596	472.635	REBAR w/ CONTROL POINT CAP
1008	814197.592	2321275.864	467.035	REBAR w/ CONTROL POINT CAP
1009	814661.769	2321291.665	494.050	REBAR w/ CONTROL POINT CAP
1010	815110.417	2321446.079	494.300	REBAR w/ CONTROL POINT CAP
1011	814921.404	2321394.095	496.600	MAG NAIL IN PVMT
1012	815007.707	2321329.056	495.520	MAG NAIL IN PVMT

\* ELEVATIONS SHOULD BE CHECKED FROM A BENCHMARK.

REVISIONS
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ENGINEERS

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

715 Market Street, Alton, IL 62002 618-469-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
SECTION 15-00051-00-RS  
FRANKLIN AVENUE  
GENERAL NOTES, LEGEND & CONTROL POINTS

DWG. NO.	Q:\E ALTON 429432.1
REF. BK.	10094 PG. 10
JOB NO.	429432.1
DSN. BY:	DDT
DWN. BY:	CAD
CHK. BY:	DEG
DATE:	DECEMBER, 2018

**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
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	4
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	35
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	2,060
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3
40600837	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70	TON	385
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL, BUTT JOINT	SQ YD	74
40600990	TEMPORARY RAMP	SQ YD	203
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	425
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	4
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	81
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	4575
44000400	GUTTER REMOVAL	FOOT	187
44200050	WELDED WIRE REINFORCEMENT	SQ YD	22
44200132	PAVEMENT PATCHING, TYPE II, 11 INCH	SQ YD	117
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	459
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	22
44201298	DOWEL BARS 1 1/4"	EACH	1220
44213200	SAW CUTS	FOOT	3273
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1860

**SUMMARY OF QUANTITIES**

CODE NO.	CONSTRUCTION TYPE CODE ITEM	0005	
		UNIT	QUANTITY
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1
60602500	CONCRETE GUTTER, TYPE A	FOOT	93
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	612
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	209
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	32
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	507
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	31
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	32
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,471
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	442
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	43
X4406030	PARTIAL DEPTH REMOVAL, TYPE I, 3"	SQ YD	103
X4406230	PARTIAL DEPTH REMOVAL, TYPE II, 3"	SQ YD	72
X4406430	PARTIAL DEPTH REMOVAL, TYPE III, 3"	SQ YD	61
X4421000	PARTIAL DEPTH PATCHING	TON	40
X4403700	MEDIAN REMOVAL (SPECIAL)	SQ FT	6365
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L. SUM.	1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	173

\* DENOTES SPECIALTY PAY ITEM

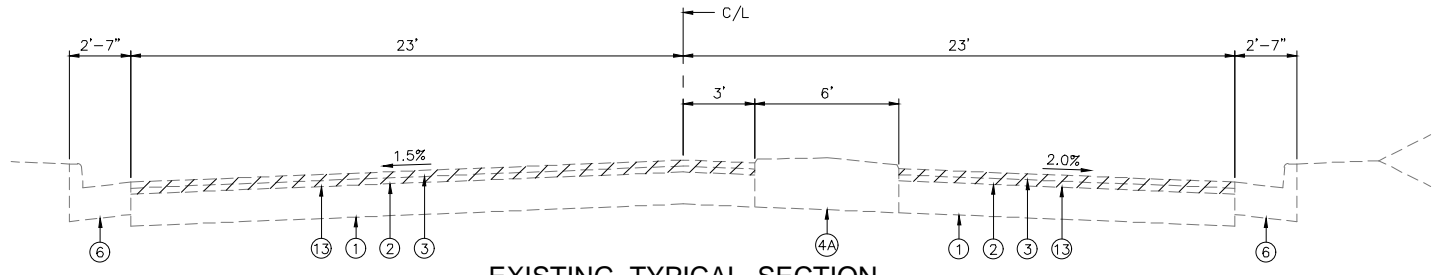
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 DESIGN FIRM # 184-000992

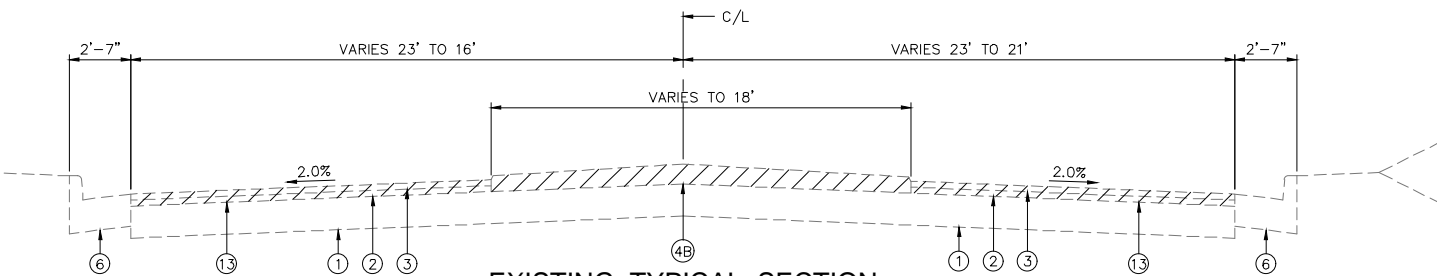
VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 SUMMARY OF QUANTITIES

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 FRANKLIN AVE QUANTITIES.DWG  
 REF. BK 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEC  
 DATE: DECEMBER, 2018  
 SCALE: 1" = 20'  
 SHEET 3 OF 22

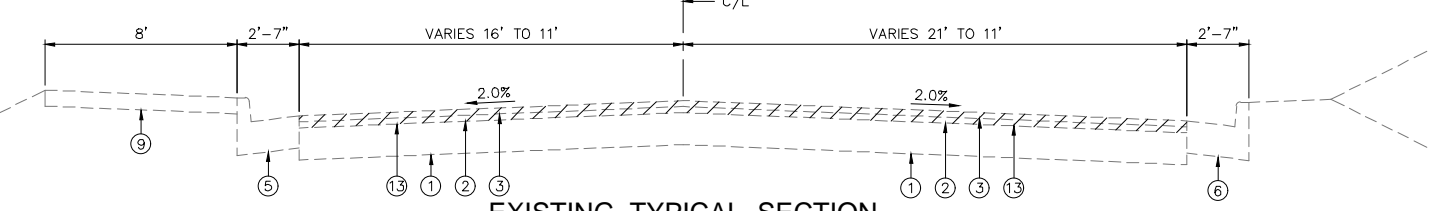
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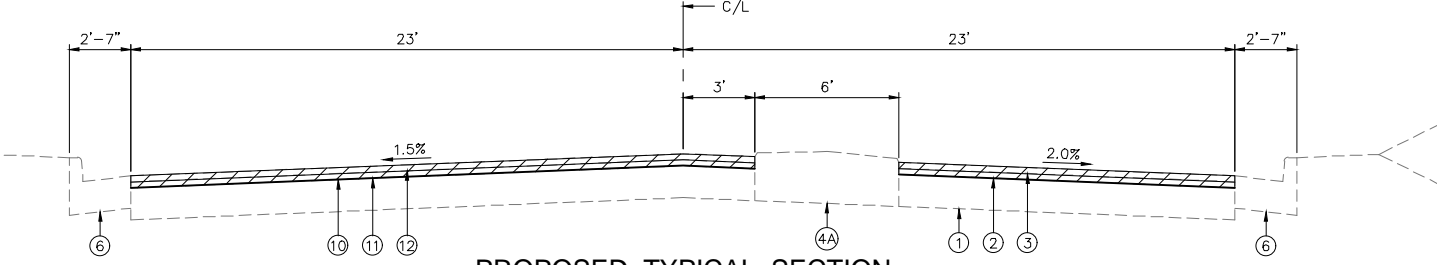
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FRANKLIN AVENUE**  
STA. 11+07.26 TO STA. 11+91



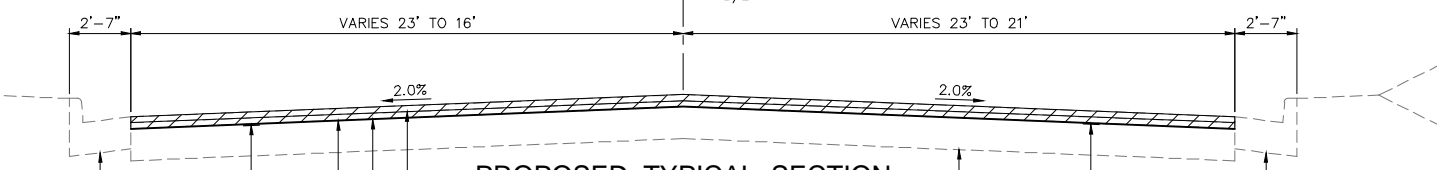
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STA. 11+91 TO STA. 17+36



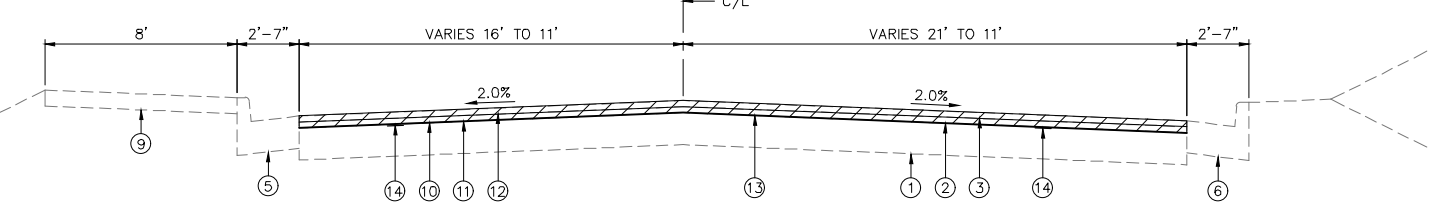
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STA. 17+36 TO STA. 21+21



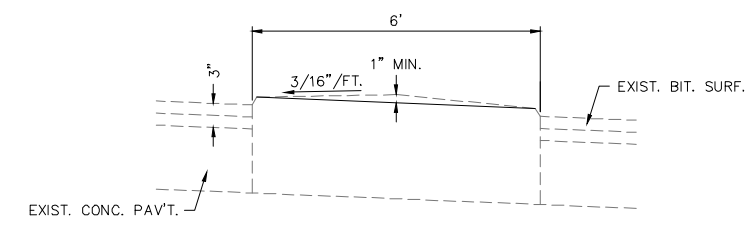
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STA. 11+07.26 TO STA. 11+91



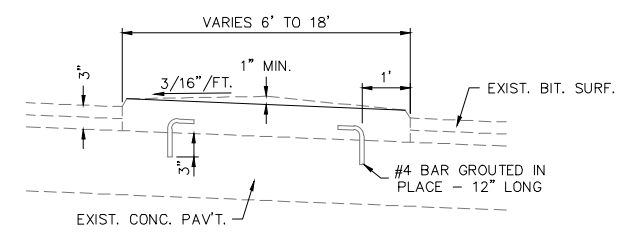
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STA. 11+91 TO STA. 17+36



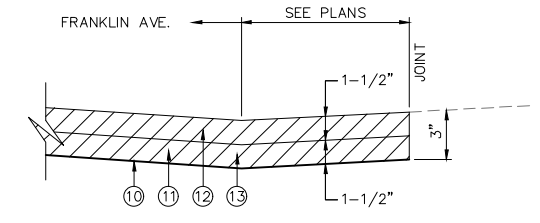
**PROPOSED TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 17+36 TO STA. 21+21



**EXISTING CONCRETE MEDIAN  
TYPE C-4 MODIFIED**  
STA. 11+07.26 TO STA. 11+91  
SCALE: 1" = 2' HORZ.  
1" = 1' VERT.



**EXISTING CONCRETE MEDIAN  
TYPE C-4 SPECIAL**  
STA. 11+91 TO STA. 17+35.9  
SCALE: 1" = 2' HORZ.  
1" = 1' VERT.



**PROPOSED TYPICAL SECTION  
AT SIDE ROAD**  
PENCE AVE. (RIGHT)  
RAILROAD ST. (RIGHT)

**PAVING LEGEND**

- ① EXISTING P.C.C. PAVEMENT (8")
- ② EXISTING BINDER COURSE, 1-1/2" AVG. THICKNESS (TO BE MILLED AND FILLED)
- ③ EXISTING SURFACE COURSE, 1-1/2" AVG. THICKNESS (TO BE MILLED AND FILLED)
- ④A EXISTING CONCRETE MEDIAN (TO REMAIN)
- ④B EXISTING CONCRETE MEDIAN TO BE REMOVED, MEDIAN REMOVAL (SPECIAL), 4-1/2"
- ⑤ EXISTING CONCRETE CURB, TYPE B-9.24
- ⑥ EXISTING CONCRETE CURB, TYPE B-6.24
- ⑦ EXISTING CONCRETE GUTTER, TYPE A
- ⑧ EXISTING AGGREGATE SHOULDER
- ⑨ EXISTING P.C.C. SIDEWALK
- ⑩ PROPOSED POLYMERIZED BITUMINOUS MATERIAL (TACK COAT)
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER, (MACHINE METHOD) N70, 1-1/2"
- ⑫ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑬ PROPOSED HMA SURFACE REMOVAL, 3" SHOWN AS [diagonal hatching]
- ⑭ STRIP REFLECTIVE CRACK CONTROL TREATMENT, 24"

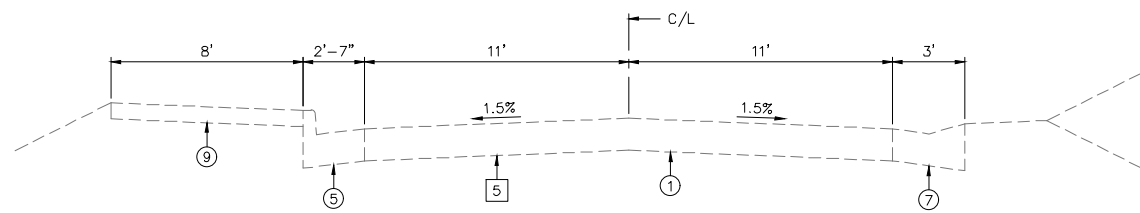
MIX DESIGNS			
MIXTURE USE	POLY SURFACE **	POLY LEVEL BINDER	INCIDENTAL
AC/PG	SBS PG 76-22	SBS PG 76-22	PG 64-22
MAX. RAP %	*	*	*
DESIGN AIR VOIDS	4% @ NDES = 70	4% @ NDES = 70	4% @ NDES = 70
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	IL-9.5	----
FRICTION AGG.	MIX D	MIX C	MIX C
* SEE SPECIAL PROVISIONS			
** MIX DESIGN FOR PARTIAL DEPTH PATCHING			

REVISIONS
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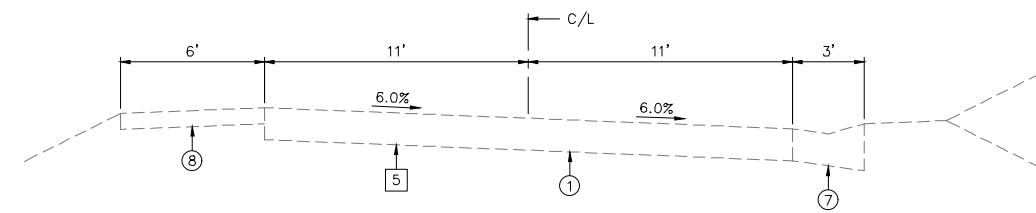
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 DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 TYPICAL SECTIONS

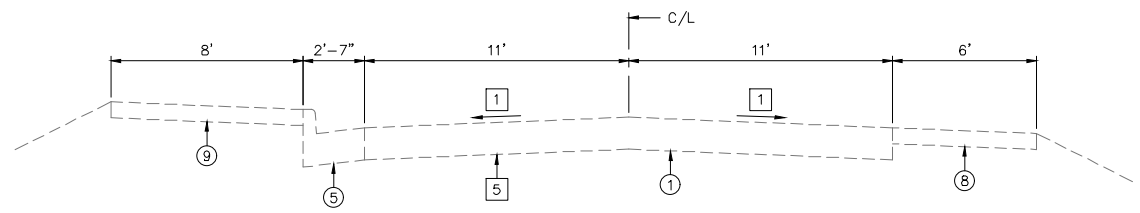
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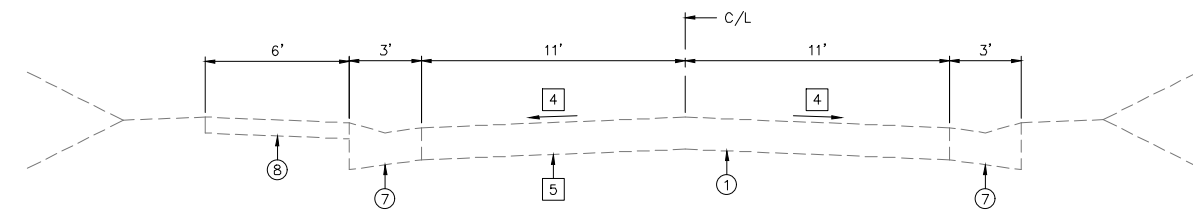
**EXISTING TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 21+21 TO STA. 22+21.70



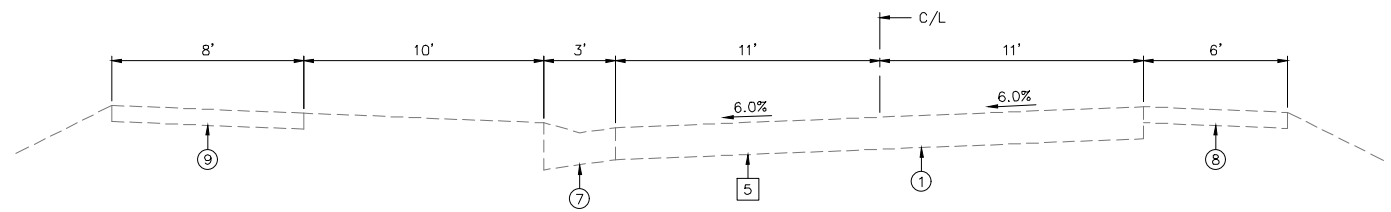
**EXISTING TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 51+56 TO STA. 55+74.72



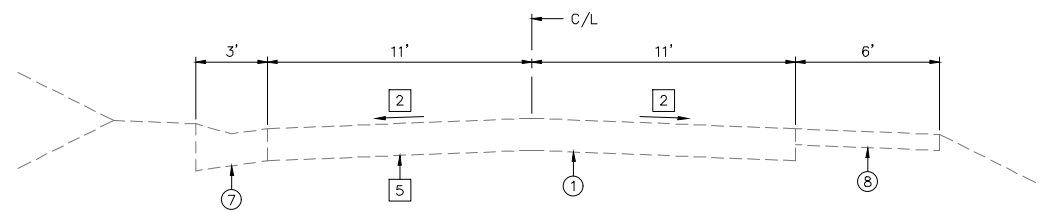
**EXISTING TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 22+21.70 TO STA. 24+66.20



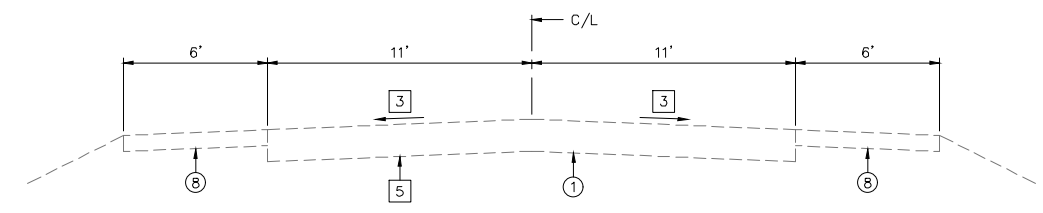
**EXISTING TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 55+74.72 TO STA. 65+95.82



**EXISTING TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 24+66.20 TO STA. 28+80



**EXISTING TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 28+80 TO STA. 50+55.00



**EXISTING TYPICAL SECTION  
FRANKLIN AVENUE**  
STA. 50+55.00 TO STA. 51+56

**PAVING LEGEND**

- ① EXISTING P.C.C. PAVEMENT (8")
- ② EXISTING BINDER COURSE, 1-1/2" AVG. THICKNESS (TO BE MILLED AND FILLED)
- ③ EXISTING SURFACE COURSE, 1-1/2" AVG. THICKNESS (TO BE MILLED AND FILLED)
- ④A EXISTING CONCRETE MEDIAN (TO REMAIN)
- ④B EXISTING CONCRETE MEDIAN TO BE REMOVED, MEDIAN REMOVAL (SPECIAL), 4-1/2"
- ⑤ EXISTING CONCRETE CURB, TYPE B-9.24
- ⑥ EXISTING CONCRETE CURB, TYPE B-6.24
- ⑦ EXISTING CONCRETE GUTTER, TYPE A
- ⑧ EXISTING AGGREGATE SHOULDER
- ⑨ EXISTING P.C.C. SIDEWALK
- ⑩ PROPOSED POLYMERIZED BITUMINOUS MATERIAL (TACK COAT)
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER, (MACHINE METHOD) N70, 1-1/2"
- ⑫ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑬ PROPOSED HMA SURFACE REMOVAL, 3" SHOWN AS
- ⑭ STRIP REFLECTIVE CRACK CONTROL TREATMENT, 24"

**TYPICAL SECTION NOTES**

- ① 2.0% FROM STA. 22+21.70 TO STA. 22+38.09  
6.0% FROM STA. 22+38.09 TO STA. 24+66.20 (SUPER ELEVATION LEFT)
- ② 6.0% FROM STA. 28+00 TO STA. 50+00.41 (SUPER ELEVATION LEFT)  
2.0% FROM STA. 50+00.41 TO STA. 50+55.00
- ③ 1.5% FROM STA. 50+55.00 TO STA. 51+00  
6.0% FROM STA. 51+00 TO STA. 51+56 (SUPER ELEVATION RIGHT)
- ④ 6.0% FROM STA. 55+74.72 TO STA. 60+00 (SUPER ELEVATION RIGHT)  
1.0% FROM STA. 60+00 TO STA. 65+95.82
- ⑤ FROM STA. 21+21.30 TO STA. 65+95.82 P.C.C. PAVEMENT TO BE PATCHED AS DIRECTED BY THE ENGINEER (SEE PATCHING SCHEDULE)

**MIX DESIGNS**

MIXTURE USE	POLY SURFACE **	POLY LEVEL BINDER	INCIDENTAL
AC/PG	SBS PG 76-22	SBS PG 76-22	PG 64-22
MAX. RAP %	*	*	*
DESIGN AIR VOIDS	4% @ NDES = 70	4% @ NDES = 70	4% @ NDES = 70
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	IL-9.5	----
FRICTION AGG.	MIX D	MIX C	MIX C
* SEE SPECIAL PROVISIONS			
** MIX DESIGN FOR PARTIAL DEPTH PATCHING			

REVISIONS

**SMS** Sheppard, Morgan & Schwab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
ENGINEERS  
2715 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
SECTION 15-00051-00-RS  
FRANKLIN AVENUE  
TYPICAL SECTIONS

DWG. NO. Q:\E ALTON 429432.1  
FRANKLIN AVE\TYP SECTS.DWG  
REF. BK. 10094 PG. 10  
JOB NO. 429432.1  
DSN. BY: DDT  
DWN. BY: CAD  
CHK. BY: DEG  
DATE: DECEMBER, 2018

SCALE: 1" = 4' HORZ.  
1" = 2' VERT.

SHEET 5 OF 22

Q:\CIVIL\_3D PROJECTS\E. ALTON (429432.1) FRANKLIN AVE\Production Drawings\6-7 SCHEDULES.dwg, 12/4/2018 2:35:21 PM, jiman, 1:2

PAVEMENT MARKING SCHEDULE		
ITEM	QUANTITY	UNIT
THERMOPLASTIC PAVEMENT MARKING – LINE 4" (WHITE)	167	FOOT
THERMOPLASTIC PAVEMENT MARKING – LINE 4" (YELLOW)	3,304	FOOT
TOTAL 4"	3,471	FOOT
THERMOPLASTIC PAVEMENT MARKING – LINE 12" (WHITE)	31	FOOT
THERMOPLASTIC PAVEMENT MARKING – LINE 12" (YELLOW)	411	FOOT
TOTAL 12"	442	FOOT
THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE)	31.2	SQ. FT.
TOTAL LETTERS AND SYMBOLS	31.2	SQ. FT.

PAVEMENT PATCHING SCHEDULE														
STATION TO STATION		LANE	LENGTH (FEET)	WIDTH (FEET)	PAVEMENT PATCHING, 11 INCH (SQ. YD.)	CLASS B PATCHES, 8 INCH (SQ. YD.)		DOWEL BARS 1 1/4" (EACH)	WELDED WIRE REINFORCEMENT (SQ. YD.)	SAW CUTS (FEET)	PARTIAL DEPTH REMOVAL, 3" (SQ. YD.)			PARTIAL DEPTH PATCHING (TON)
						TYPE II	TYPE III				TYPE I	TYPE II	TYPE III	
11+90 Lt.	11+94 Rt.	NB	4	23	10.2									
11+90 Rt.	11+94 Lt.	SB	4	23	10.2									
13+35 Lt.	13+39 Lt.	NB	4	23	10.2									
13+35 Rt.	13+39 Rt.	SB	4	23	10.2									
15+25 Lt.	15+29 Lt.	NB	4	22	9.8									
15+25 Rt.	15+29 Rt.	SB	4	23	10.2									
16+05 Rt.	16+09 Rt.	SB	4	23	10.2									
17+20 Rt.	17+24 Rt.	SB	4	22	9.8									
18+00 Lt.	18+04 Lt.	NB	4	14	6.2									
18+00 Rt.	18+04 Rt.	SB	4	20	8.9									
20+18 Lt.	20+22 Lt.	NB	4	11	4.9									
20+18 Rt.	20+22 Rt.	SB	4	14	6.2									
20+85 Lt.	20+89 Lt.	NB	4	11	4.9									
20+85 Rt.	20+89 Rt.	SB	4	12	5.3									
21+81 Lt.	21+95 Lt.	NB	14	11								17.1		2.9
21+95 Rt.	21+98 Rt.	SB	3	2							0.7			0.1
22+17 Lt.	22+23 Lt.	NB	6	11			7.3			51				
22+17 Rt.	22+23 Rt.	SB	6	11			7.3			51				
22+96 Lt.	23+11 Lt.	NB	15	11								18.3		3.1
23+00 Rt.	23+17 Rt.	SB	17	2							3.8			0.6
23+17 Lt.	23+23 Lt.	NB	6	11			7.3			51				
23+17 Rt.	23+23 Rt.	SB	6	11			7.3			51				
23+41 Lt.	23+46 Lt.	NB	5	3							1.7			0.3
23+60 Lt.	24+10 Lt.	NB	50	11									61.1	10.3
23+65 Rt.	23+95 Rt.	SB	30	11								36.7		6.2
24+20 Lt.	24+20 Lt.	NB	6	11			7.3			51				
24+20 Rt.	24+20 Rt.	SB	6	11			7.3			51				
24+51 Rt.	24+59 Rt.	SB	8	3							2.7			0.4
24+70 Rt.	24+75 Rt.	SB	5	2							1.1			0.2
24+72 Rt.	24+75 Rt.	SB	3	3							1.0			0.2
24+92 Lt.	24+97 Lt.	NB	5	3							1.7			0.3
25+17 Lt.	25+23 Lt.	NB	6	11			7.3			51				
25+27 Lt.	25+33 Lt.	NB	6	2							1.3			0.2
25+77 Rt.	25+83 Rt.	SB	6	4							2.7			0.4
25+85 Lt.	25+95 Lt.	NB	10	11			12.2			63				
25+92 Rt.	25+98 Rt.	SB	6	11			7.3			51				
26+17 Lt.	26+23 Lt.	NB	6	11			7.3			51				
26+25 Lt.	26+31 Lt.	NB	6	3							2.0			0.3
27+09 Rt.	27+12 Rt.	SB	3	3							1.0			0.2
27+17 Lt.	27+23 Lt.	NB	6	11			7.3			51				
27+17 Rt.	27+23 Rt.	SB	6	11			7.3			51				
27+90 Lt.	27+94 Lt.	NB	4	4							1.8			0.3
28+17 Lt.	28+23 Lt.	NB	6	11			7.3			51				
28+17 Rt.	28+23 Rt.	SB	6	11			7.3			51				
29+17 Lt.	29+23 Lt.	NB	6	11			7.3			51				
29+17 Rt.	29+23 Rt.	SB	6	11			7.3			51				
29+68 Rt.	29+72 Rt.	SB	4	2							0.9			0.1
30+17 Lt.	30+23 Lt.	NB	6	11			7.3			51				
30+17 Rt.	30+23 Rt.	SB	6	11			7.3			51				
30+30 Lt.	30+34 Lt.	NB	4	4							1.8			0.3
30+32 Rt.	30+37 Rt.	SB	4	6							2.7			0.4
30+37 Rt.	30+52 Rt.	SB	15	4							6.7			1.1
31+18 Lt.	31+20 Lt.	NB	2	6							1.3			0.2
32+22 Lt.	32+28 Lt.	NB	6	11			7.3			51				
32+22 Rt.	32+28 Rt.	SB	6	11			7.3			51				
33+54 Rt.	33+56 Rt.	SB	2	2							0.4			0.1
33+73 Rt.	33+77 Rt.	SB	4	2							0.9			0.1
34+27 Lt.	34+33 Lt.	NB	6	11			7.3			51				
34+27 Rt.	34+33 Rt.	SB	6	11			7.3			51				
34+62 Lt.	34+68 Lt.	NB	6	11			7.3			51				
34+62 Rt.	34+68 Rt.	SB	6	11			7.3			51				
34+79 Rt.	34+81 Rt.	SB	2	2							0.4			0.1
34+80 Rt.	34+82 Rt.	SB	2	2							0.4			0.1
34+93 Rt.	34+96 Rt.	SB	3	2							0.7			0.1
35+22 Lt.	35+28 Lt.	NB	6	11			7.3			51				
35+22 Rt.	35+28 Rt.	SB	6	11			7.3			51				
35+53 Rt.	35+56 Rt.	SB	3	2							0.7			0.1
35+68 Rt.	35+70 Rt.	SB	2	2							0.4			0.1
35+82 Rt.	35+85 Rt.	SB	3	3							1.0			0.2
35+85 Lt.	35+91 Lt.	NB	6	2							1.3			0.2
35+97 Rt.	36+04 Rt.	SB	7	2							3.8			0.6
36+08 Rt.	36+12 Rt.	SB	4	3							3.4			0.6
36+13 Rt.	36+15 Rt.	SB	2	2							0.4			0.1
36+22 Rt.	36+25 Rt.	SB	3	2							0.7			0.1
Subtotals					117	196	0	520	0	1338	49	72	61	31

REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 SCHEDULES

DWG. NO. 429432.1  
 Q:\E ALTON 429432.1  
 FRANKLIN AVE\SCHEDULES.DWG  
 REF. BK. 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

SCALE: NOT TO SCALE

PAVEMENT PATCHING SCHEDULE															
STATION TO STATION	LANE	LENGTH (FEET)	WIDTH (FEET)	PAVEMENT PATCHING, 11 INCH (SQ. YD.)			DOWEL BARS 1 1/4" (EACH)	WELDED WIRE REINFORCEMENT (SQ. YD.)	SAW CUTS (FEET)	PARTIAL DEPTH REMOVAL, 3" (SQ. YD.)			PARTIAL DEPTH PATCHING (TON)		
				TYPE II	TYPE II	TYPE III				TYPE I	TYPE II	TYPE III			
36+23 Lt.	36+40 Lt.	NB	17	2						3.8			0.6		
36+40 Lt.	36+46 Lt.	NB	7	11		8.6	20	54							
36+40 Rt.	36+46 Rt.	SB	7	11		8.6	20	54							
36+95 Lt.	37+25 Lt.	NB	30	2						6.7			1.1		
37+22 Lt.	37+28 Lt.	NB	6	11		7.3		51							
37+22 Rt.	37+28 Rt.	SB	6	11		7.3		51							
37+41 Lt.	37+49 Lt.	NB	8	3						2.7			0.4		
37+56 Rt.	37+61 Rt.	SB	5	3						1.7			0.3		
37+60 Rt.	37+65 Rt.	SB	5	2						1.1			0.2		
37+95 Rt.	37+97 Rt.	SB	3	2						0.7			0.1		
38+10 Lt.	38+28 Lt.	NB	18	11		22.0	20	87							
38+22 Rt.	38+28 Rt.	SB	6	11		7.3	20	51							
38+82 Rt.	38+88 Rt.	SB	6	11		7.3	20	51							
38+86 Lt.	38+88 Lt.	NB	2	2						0.4			0.1		
38+96 Rt.	39+04 Rt.	SB	8	3						2.7			0.4		
38+98 Lt.	39+02 Lt.	NB	4	2						0.9			0.1		
39+10 Lt.	39+14 Lt.	NB	4	4						1.8			0.3		
39+22 Lt.	39+28 Lt.	NB	6	11		7.3	20	51							
39+22 Rt.	39+28 Rt.	SB	6	11		7.3	20	51							
40+22 Lt.	40+28 Lt.	NB	6	11		7.3	20	51							
40+22 Rt.	40+28 Rt.	SB	6	11		7.3	20	51							
40+62 Lt.	40+70 Lt.	NB	8	11		9.8	20	57							
40+62 Rt.	40+68 Rt.	SB	6	11		7.3	20	51							
41+22 Lt.	41+28 Lt.	NB	6	11		7.3	20	51							
41+54 Lt.	41+57 Lt.	NB	3	2						0.7			0.1		
41+82 Lt.	41+84 Lt.	NB	2	2						0.4			0.1		
42+23 Lt.	42+27 Lt.	NB	4	2						0.9			0.1		
44+14 Rt.	44+16 Rt.	SB	2	2						0.4			0.1		
44+22 Lt.	44+28 Lt.	NB	6	11		7.3	20	51							
44+22 Rt.	44+28 Rt.	SB	6	11		7.3	20	51							
44+55 Lt.	44+57 Lt.	NB	2	2						0.4			0.1		
44+82 Lt.	44+88 Lt.	NB	6	11		7.3	20	51							
44+82 Rt.	44+88 Rt.	SB	6	11		7.3	20	51							
45+22 Rt.	45+28 Rt.	SB	6	11		7.3	20	51							
45+30 Lt.	45+36 Lt.	NB	6	2						1.3			0.2		
45+37 Rt.	45+47 Rt.	SB	3	10						3.3			0.6		
45+55 Rt.	45+60 Rt.	SB	5	3						1.7			0.3		
46+22 Lt.	46+28 Lt.	NB	6	11		1.7	20	51							
46+22 Rt.	46+28 Rt.	SB	6	11		7.3	20	51							
46+98 Lt.	47+02 Lt.	NB	4	2						0.9			0.1		
46+98 Rt.	47+00 Rt.	SB	2	2						0.4			0.1		
47+22 Lt.	47+28 Lt.	NB	6	11		7.3	20	51							
47+22 Rt.	47+28 Rt.	SB	6	11		7.3	20	51							
48+12 Lt.	48+17 Lt.	NB	5	11						6.1			1.0		
48+22 Lt.	48+28 Lt.	NB	6	11		7.3	20	51							
48+22 Rt.	48+28 Rt.	SB	6	11		7.3	20	51							
48+38 Rt.	48+42 Rt.	SB	4	4						1.8			0.3		
48+48 Rt.	48+51 Rt.	SB	3	3						1.0			0.2		
49+22 Lt.	49+28 Lt.	NB	6	11		7.3	20	51							
49+22 Rt.	49+28 Rt.	SB	6	11		7.3	20	51							
49+40 Lt.	49+51 Lt.	NB	3	4						1.3			0.2		
49+40 Rt.	49+51 Rt.	SB	3	2						0.7			0.1		
50+22 Lt.	50+28 Lt.	NB	6	11		7.3	20	51							
50+62 Lt.	50+68 Lt.	NB	6	11		7.3	20	51							
50+62 Rt.	50+68 Rt.	SB	6	11		7.3	20	51							
50+80 Rt.	50+84 Rt.	SB	4	2						0.9			0.1		
51+70 Lt.	51+72 Lt.	NB	2	3						0.7			0.1		
53+60 Lt.	53+70 Lt.	NB	10	2						2.2			0.4		
53+75 Rt.	53+77 Rt.	SB	2	2						0.4			0.1		
55+20 Rt.	55+22 Rt.	SB	2	2						0.4			0.1		
56+06 Lt.	56+08 Lt.	NB	2	8						1.8			0.3		
56+20 Lt.	56+22 Lt.	NB	2	2						0.4			0.1		
56+22 Rt.	56+28 Rt.	SB	6	2						1.3			0.2		
56+92 Rt.	56+95 Rt.	SB	3	2						0.7			0.1		
59+34 Lt.	59+40 Lt.	NB	6	11		7.3	20	51							
59+34 Rt.	59+40 Rt.	SB	6	11		7.3	20	51							
61+55 Rt.	61+57 Rt.	SB	2	2						0.4			0.1		
62+37 Lt.	62+43 Lt.	NB	6	11		7.3	20	51							
62+37 Rt.	62+43 Rt.	SB	6	11		7.3	20	51							
64+37 Lt.	64+43 Lt.	NB	6	11		7.3	20	51							
64+37 Rt.	64+43 Rt.	SB	6	11		7.3	20	51							
64+36 Lt.	64+39 Lt.	NB	3	3						1.0			0.2		
65+37 Lt.	65+43 Lt.	NB	6	11		7.3	20	51							
TOTALS						117	459	22	1220	22	3273	103	72	61	40

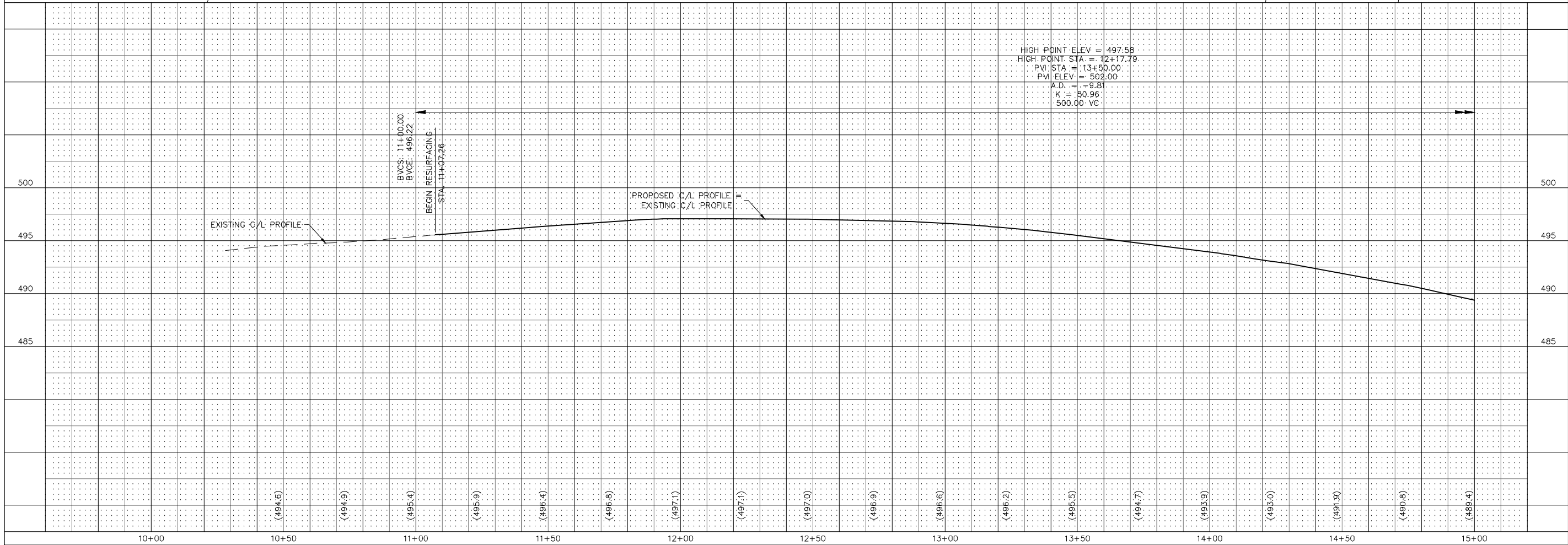
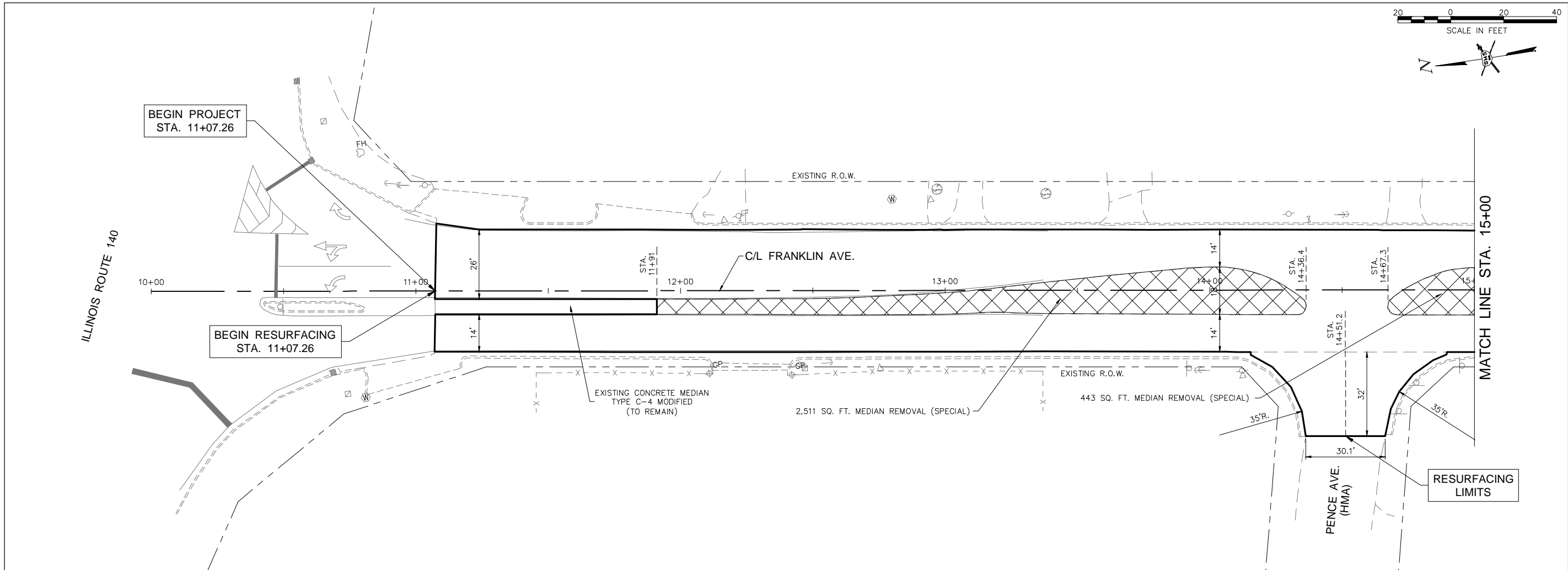
REVISIONS

**SMS** Sheppard, Morgan & Schwaab, Inc.  
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 2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 SCHEDULES

DWG. NO.  
 Q:\E ALTON 429432.1  
 FRANKLIN AVE\SCHEDULES.DWG  
 REF. BK. 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

SCALE: NOT TO SCALE



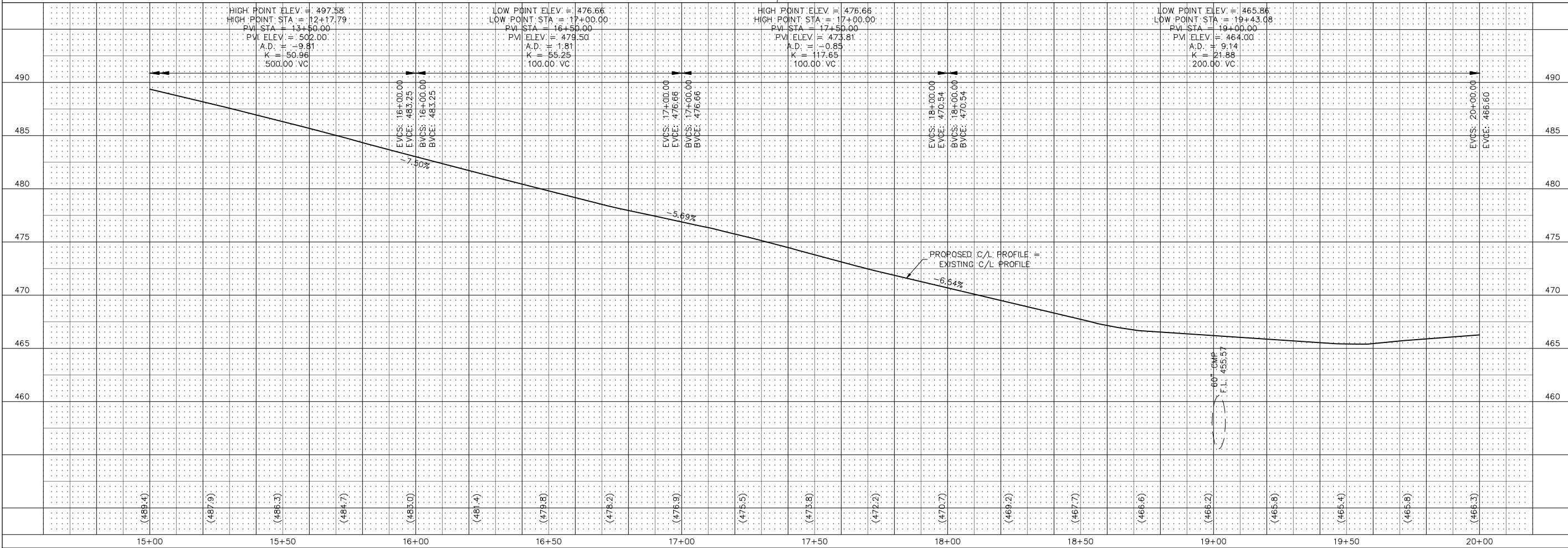
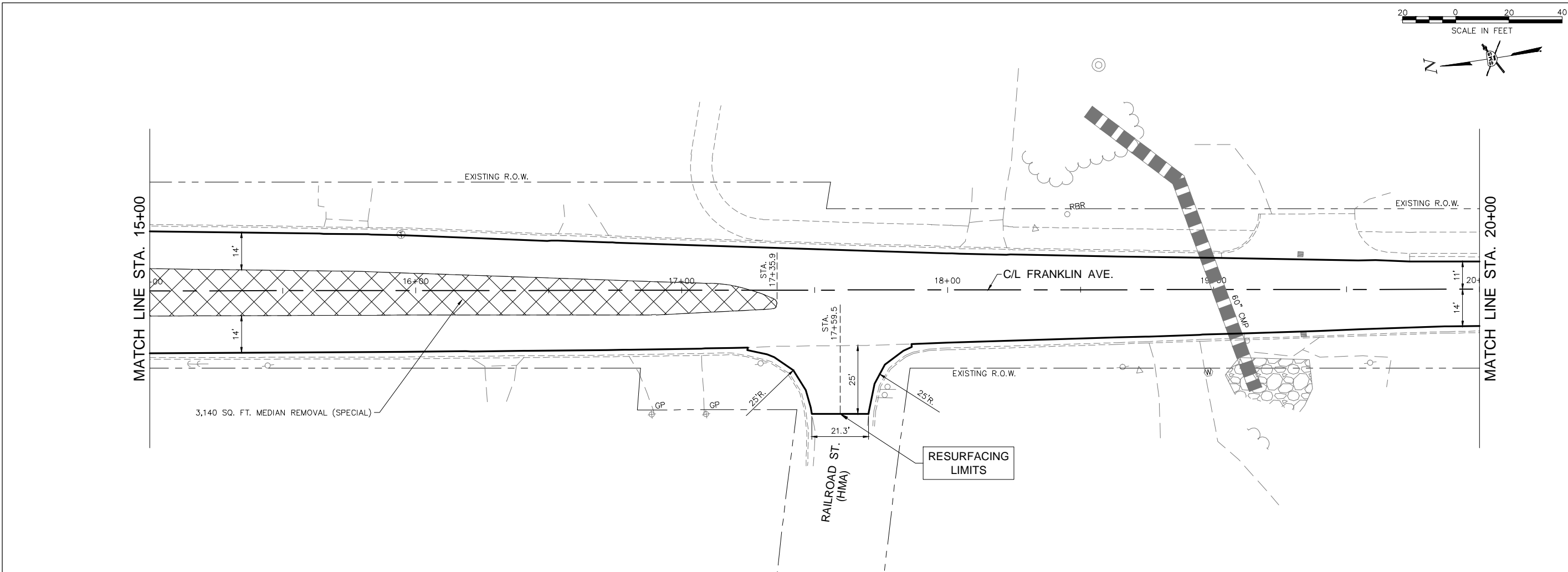
NO.	REVISIONS

**SMS** Sheppard, Morgan & Schwab, Inc.  
ENGINEERS  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

**VILLAGE OF EAST ALTON**  
**SECTION 15-00051-00-RS**  
**FRANKLIN AVENUE**  
**PLAN AND PROFILE**

DWG. NO.  
Q:\E ALTON 429432.1  
FRANKLIN AVE\20 P-P.DWG  
REF. BK. 10094 PG. 10  
JOB NO. 429432.1  
DSN. BY: DDT  
DWN. BY: CAD  
CHK. BY: DEG  
DATE: DECEMBER, 2018  
SHEET 8 OF 22





REVISIONS

**SMS ENGINEERS** Sheppard, Morgan & Schwab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
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DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
SECTION 15-00051-00-RS  
FRANKLIN AVENUE  
PLAN AND PROFILE

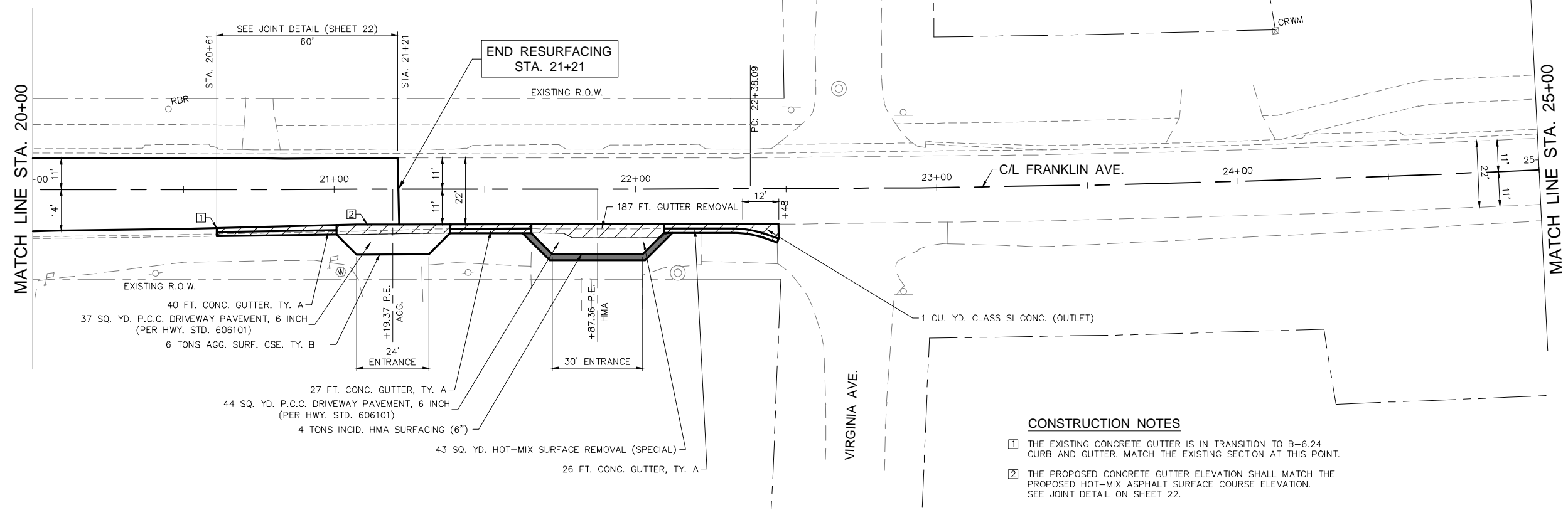
DWG. NO. Q:\E ALTON 429432.1  
FRANKLIN AVE\20 P-P.DWG  
REF. BK. 10094 PG. 10  
JOB NO. 429432.1  
DSN. BY: DDT  
DWN. BY: CAD  
CHK. BY: DEG  
DATE: DECEMBER, 2018

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

SHEET 9 OF 22

**CENTERLINE CURVE DATA**

P.I. STA. = 28+03.22  
 $\Delta$  = 11°15'58"  
 T = 565.13'  
 R = 5,729.65'  
 L = 1,126.61'  
 P.C. STA. = 22+38.09  
 P.C.C. STA. = 33+64.70

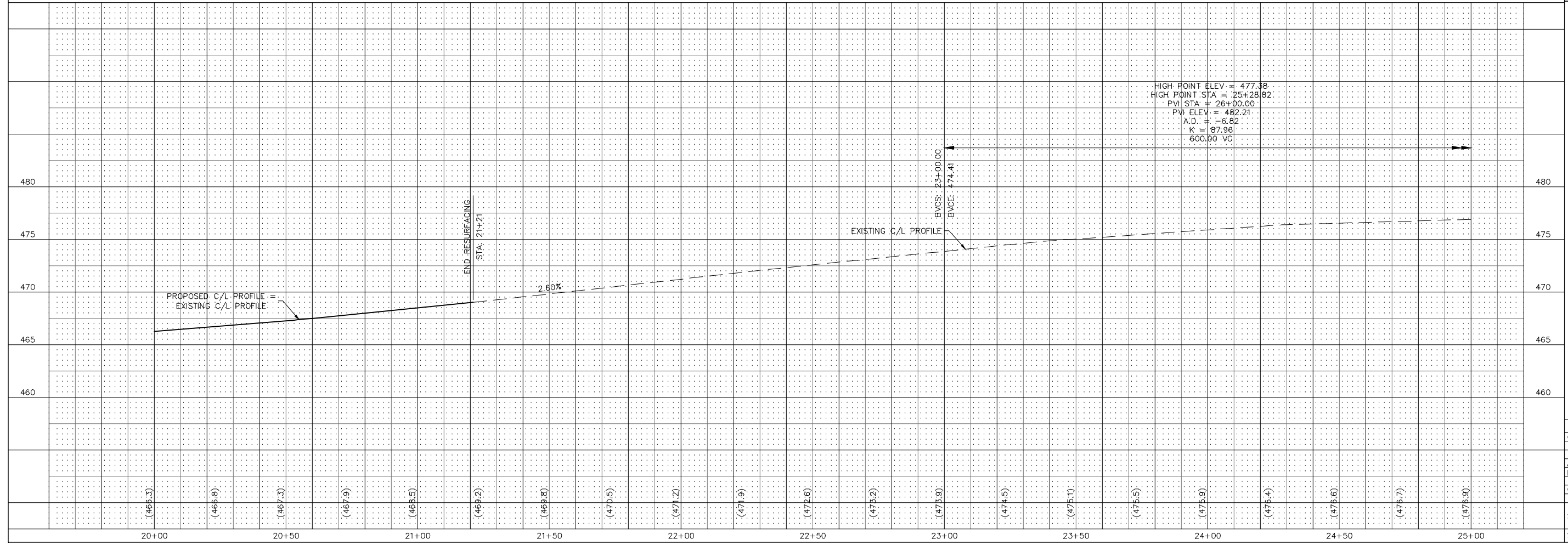


**CONSTRUCTION NOTES**

- 1 THE EXISTING CONCRETE GUTTER IS IN TRANSITION TO B-6.24 CURB AND GUTTER. MATCH THE EXISTING SECTION AT THIS POINT.
- 2 THE PROPOSED CONCRETE GUTTER ELEVATION SHALL MATCH THE PROPOSED HOT-MIX ASPHALT SURFACE COURSE ELEVATION. SEE JOINT DETAIL ON SHEET 22.

REVISIONS

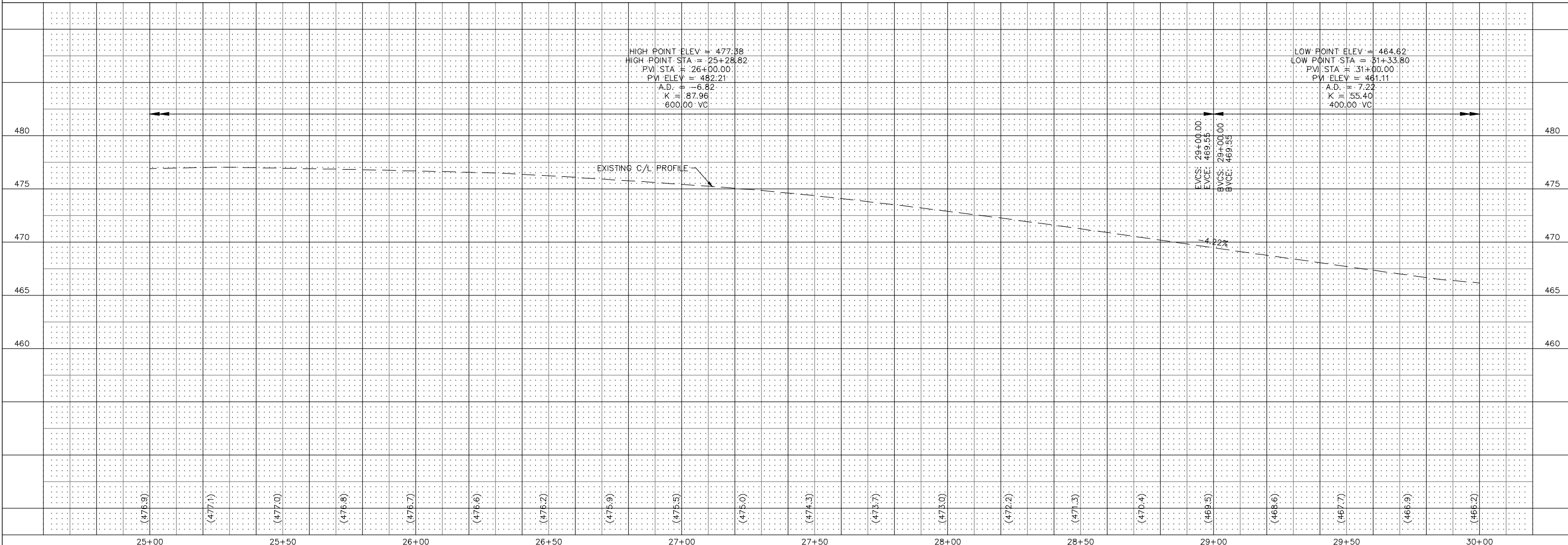
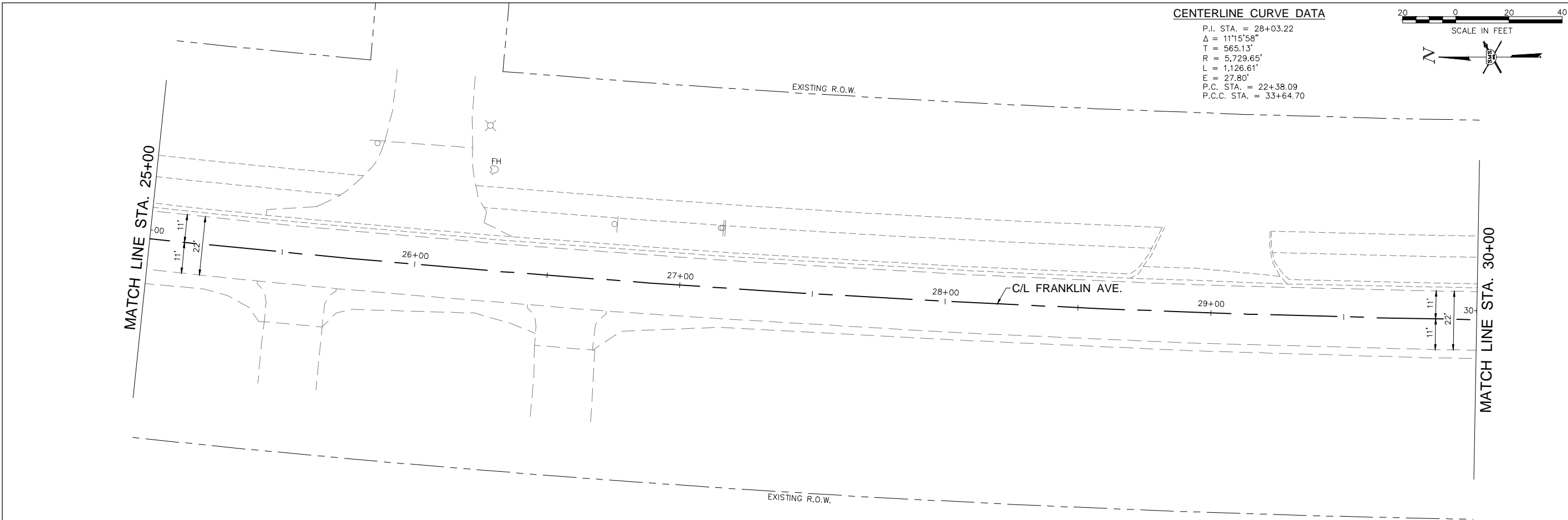
**SMS ENGINEERS**  
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 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992



**VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PLAN AND PROFILE**

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 FRANKLIN AVE\20 P-P.DWG  
 REF. BK. 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

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REVISIONS

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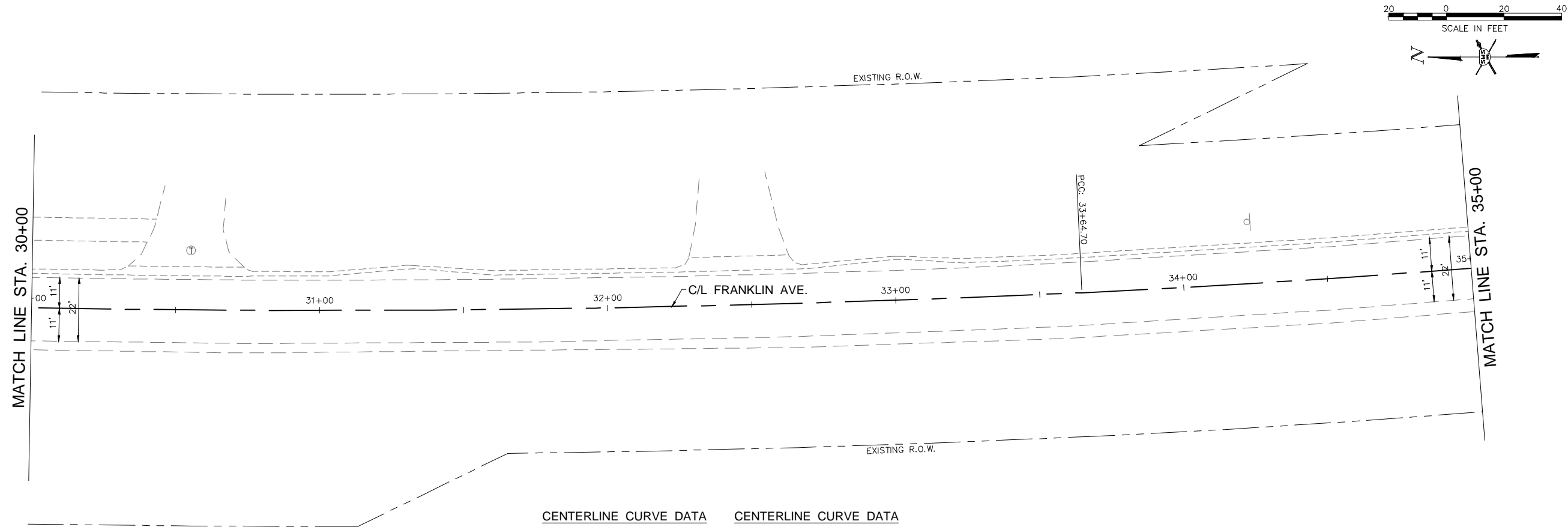
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 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PLAN AND PROFILE

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 FRANKLIN AVE\20 P-P.DWG  
 REF. BK. 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

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

SHEET 11 OF 22

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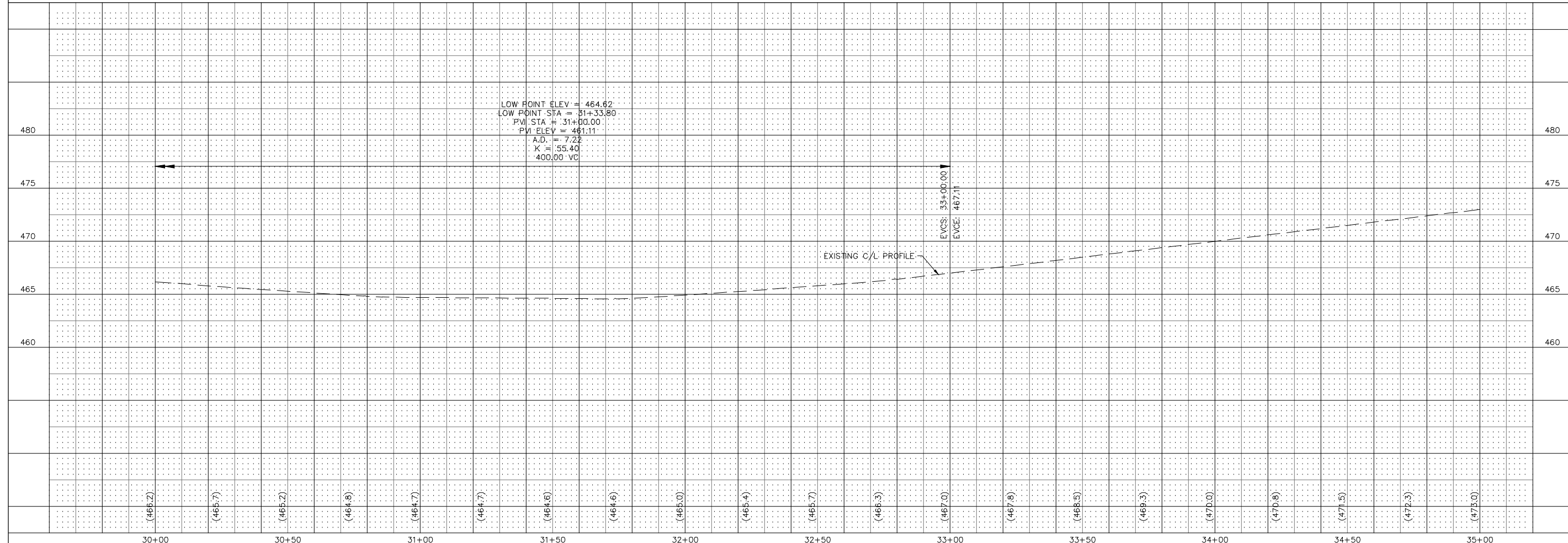


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 $R = 5,729.65'$   
 $L = 1,126.61'$   
 $E = 27.80'$   
P.C. STA. = 22+38.09  
P.C.C. STA. = 33+64.70

**CENTERLINE CURVE DATA**

P.I. STA. = 41+93.62  
 $\Delta = 22^{\circ}53'59''$   
 $T = 828.92'$   
 $R = 4,092.61'$   
 $L = 1,635.71'$   
 $E = 83.10'$   
P.C.C. STA. = 33+64.70  
P.T. STA. = 50+00.41



REVISIONS

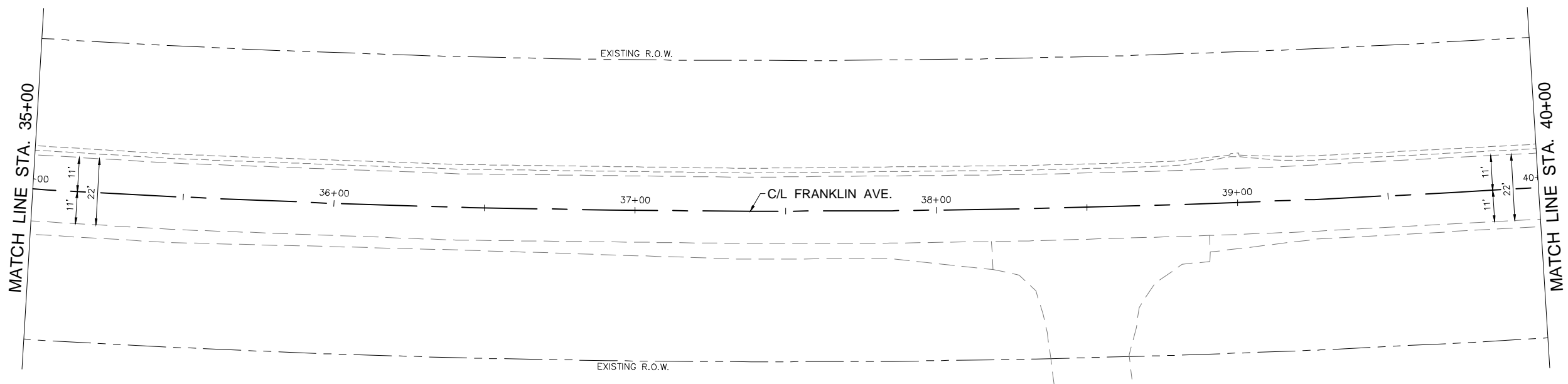
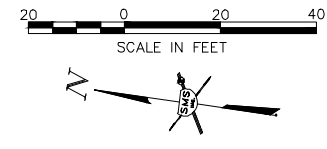

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VILLAGE OF EAST ALTON  
SECTION 15-00051-00-RS  
FRANKLIN AVENUE  
PLAN AND PROFILE

DWG. NO. 429432.1  
Q:\E ALTON 429432.1  
FRANKLIN AVE\20 P-P.DWG  
REF. BK. 10094 PG. 10  
JOB NO. 429432.1  
DSN. BY: DDT  
DWN. BY: CAD  
CHK. BY: DEG  
DATE: DECEMBER, 2018

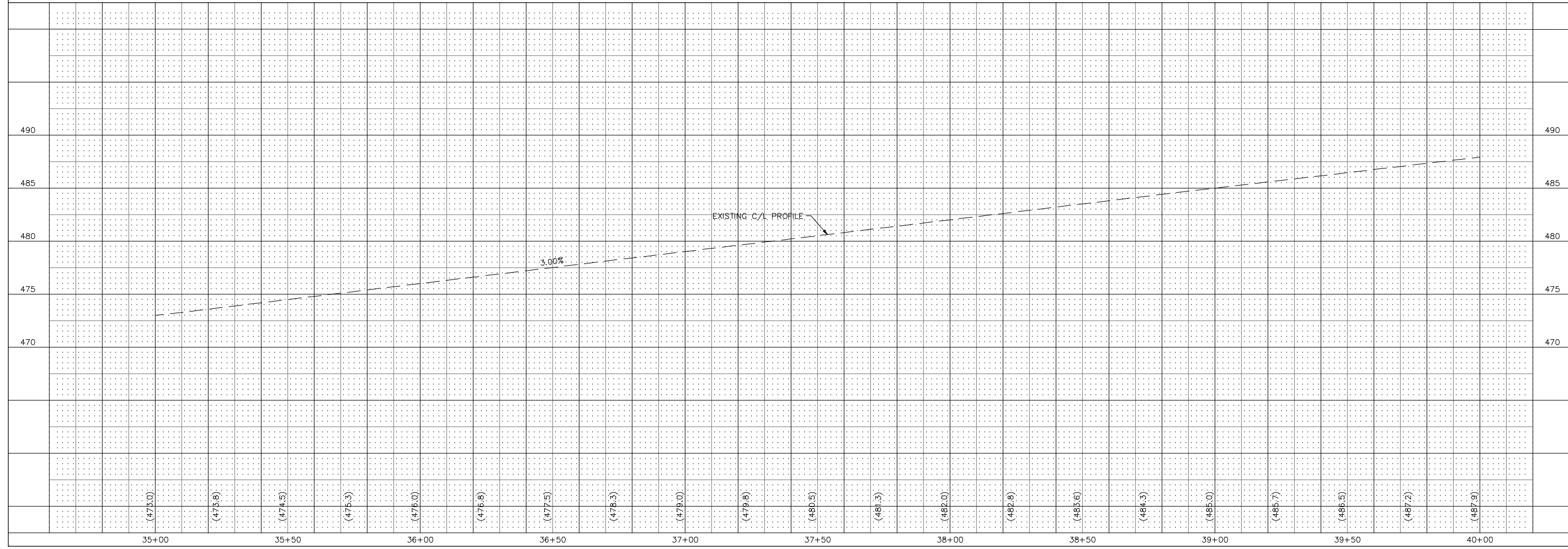
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1" = 5' VERT.

SHEET 12 OF 22



**CENTERLINE CURVE DATA**

P.I. STA. = 41+93.62  
 $\Delta$  = 22°53'59"  
 T = 828.92'  
 R = 4,092.61'  
 L = 1,635.71'  
 E = 83.10'  
 P.C.C. STA. = 33+64.70  
 P.T. STA. = 50+00.41



REVISIONS

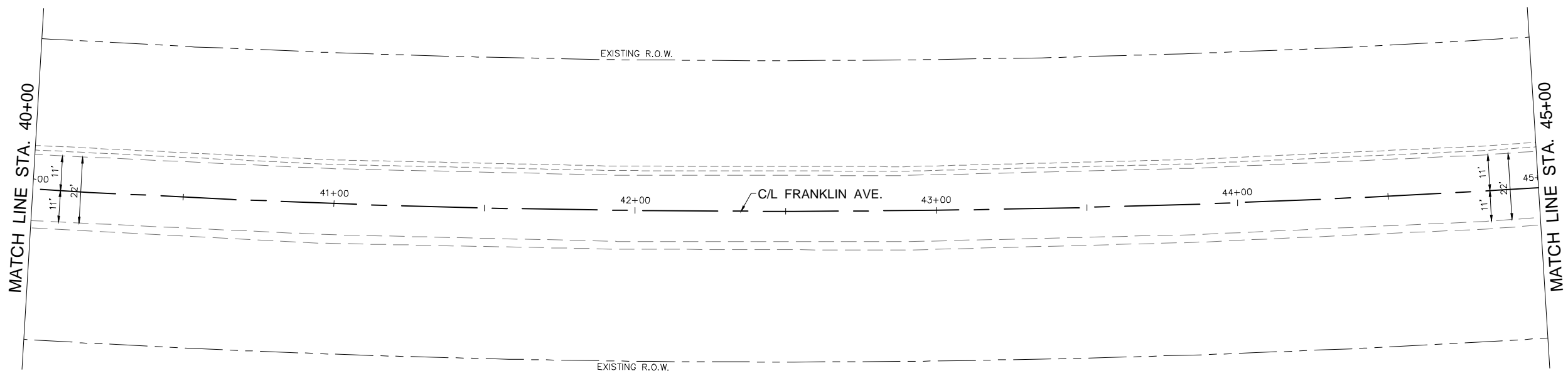
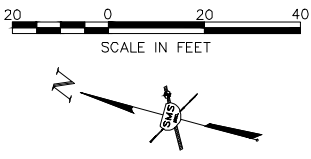

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VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PLAN AND PROFILE

DWG. NO. 429432.1  
 Q:\E. ALTON 429432.1  
 FRANKLIN AVE\20 P-P.DWG  
 REF. BK. 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

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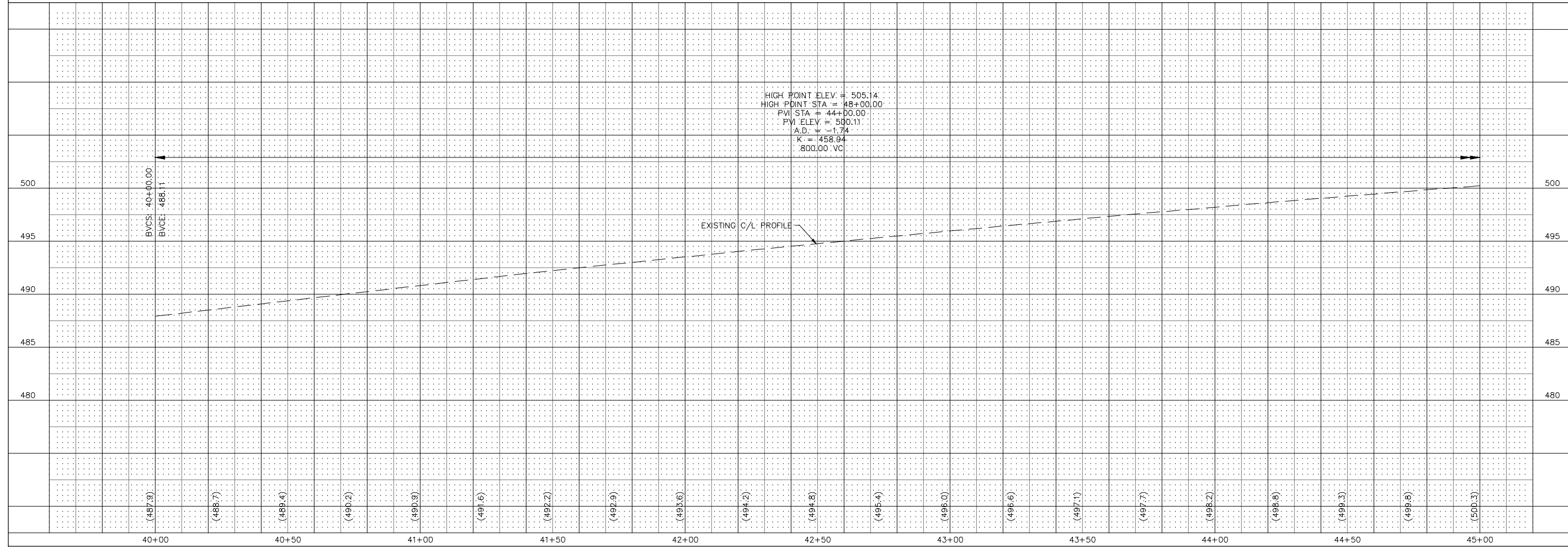
SHEET 13 OF 22



**CENTERLINE CURVE DATA**

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 L = 1,635.71'  
 E = 83.10'  
 P.C.C. STA. = 33+64.70  
 P.T. STA. = 50+00.41

HIGH POINT ELEV. = 505.14  
 HIGH POINT STA. = 48+00.00  
 PVI STA. = 44+00.00  
 PVI ELEV. = 500.11  
 A.D. = -1.74  
 K = 458.94  
 .800,00 VC



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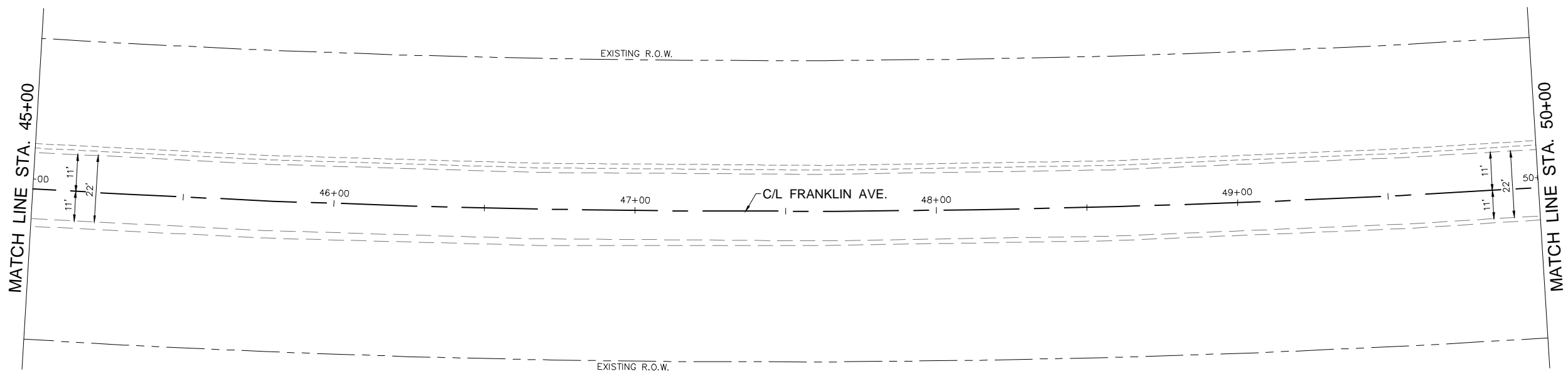
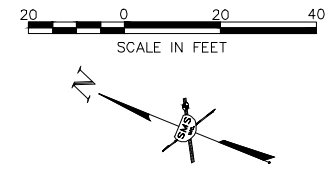
VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PLAN AND PROFILE

DWG. NO. 429432.1  
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 FRANKLIN AVE\20 P-P.DWG  
 REF. BK. 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

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

SHEET 14 OF 22

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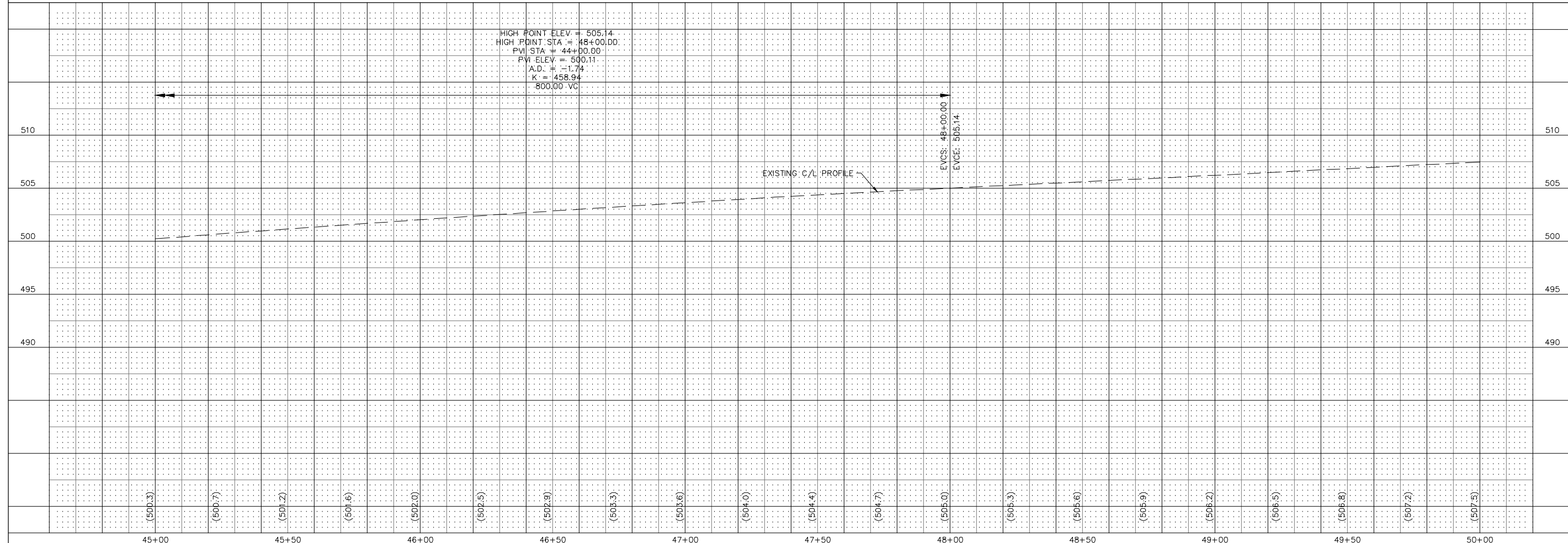
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Δ = 22°53'59"  
T = 828.92'  
R = 4,092.61'  
L = 1,635.71'  
E = 83.10'  
P.C.C. STA. = 33+64.70  
P.T. STA. = 50+00.41

HIGH POINT ELEV. = 505.14  
HIGH POINT STA. = 48+00.00  
PVI STA. = 44+00.00  
PVI ELEV. = 500.11  
A.D. = -1.74  
K = 458.94  
800.00' VC

EVCS: 48+00.00  
EVCE: 505.14

EXISTING C/L PROFILE



REVISIONS

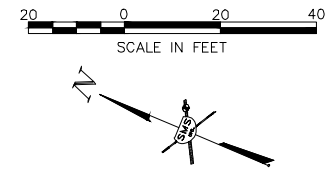
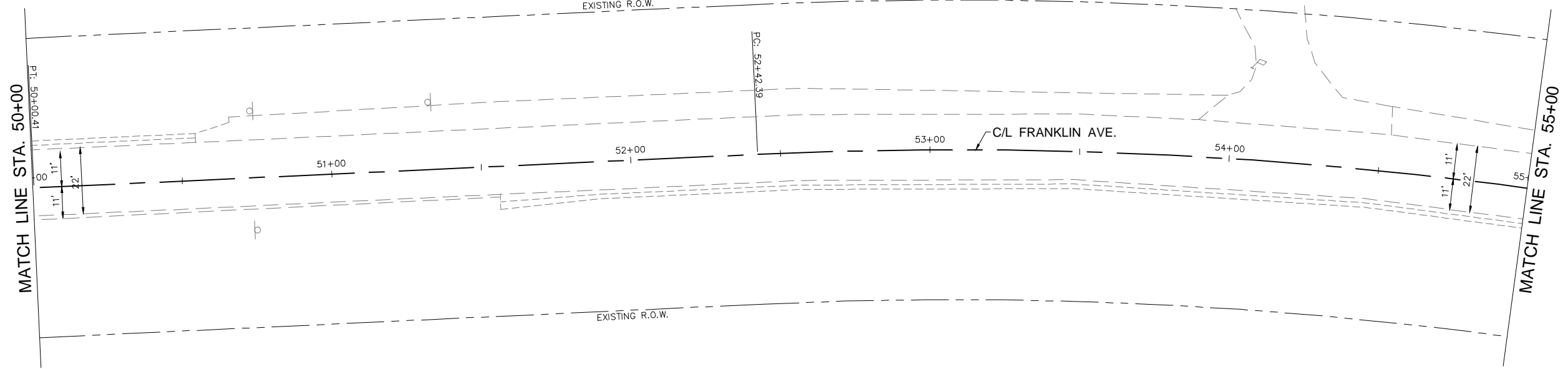

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DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
SECTION 15-00051-00-RS  
FRANKLIN AVENUE  
PLAN AND PROFILE

DWG. NO.  
Q:\E ALTON 429432.1  
FRANKLIN AVE\20 P-P.DWG  
REF. BK. 10094 PG. 10  
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DSN. BY: DDT  
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CHK. BY: DEG  
DATE: DECEMBER, 2018

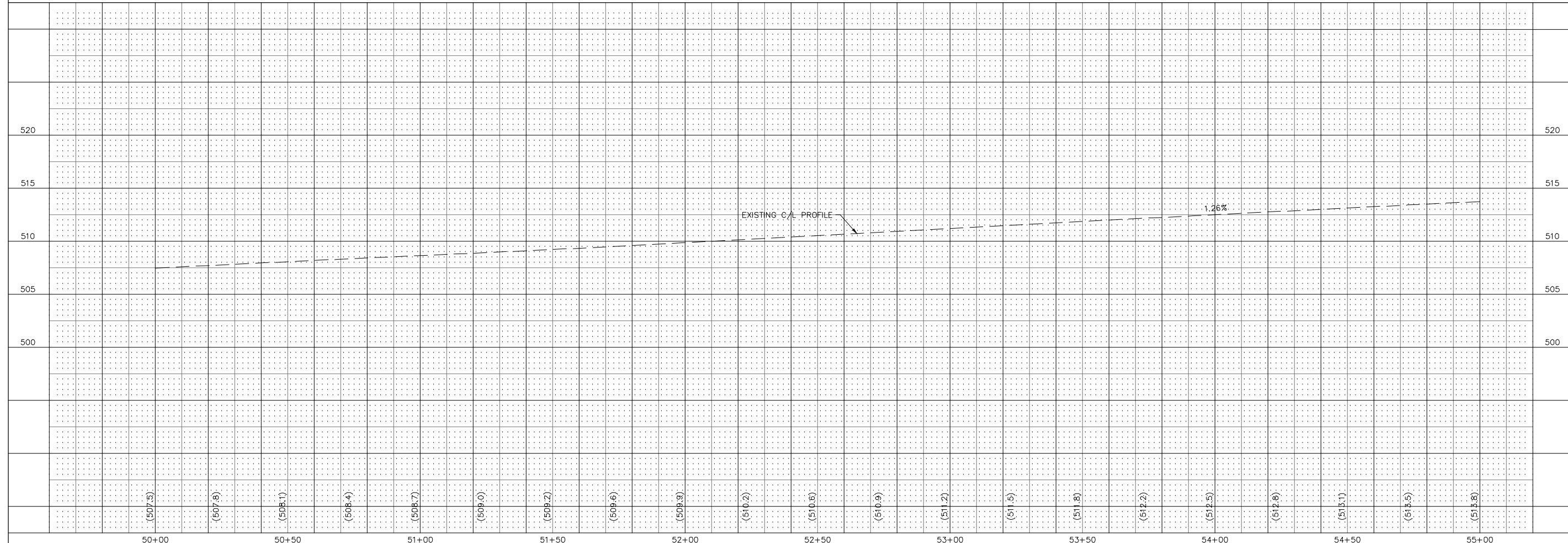
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1" = 5' VERT.

SHEET 15 OF 22



**CENTERLINE CURVE DATA**  
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 $\Delta$  = 22°53'59"  
 T = 828.92'  
 R = 4,092.61'  
 L = 1,635.71'  
 E = 83.10'  
 P.C.C. STA. = 33+64.70  
 P.T. STA. = 50+00.41

**CENTERLINE CURVE DATA**  
 P.I. STA. = 55+50.34  
 $\Delta$  = 24°16'00"  
 T = 307.95'  
 R = 1,432.41'  
 L = 606.67'  
 E = 32.73'  
 P.C. STA. = 52+42.39  
 P.T. STA. = 58+49.06



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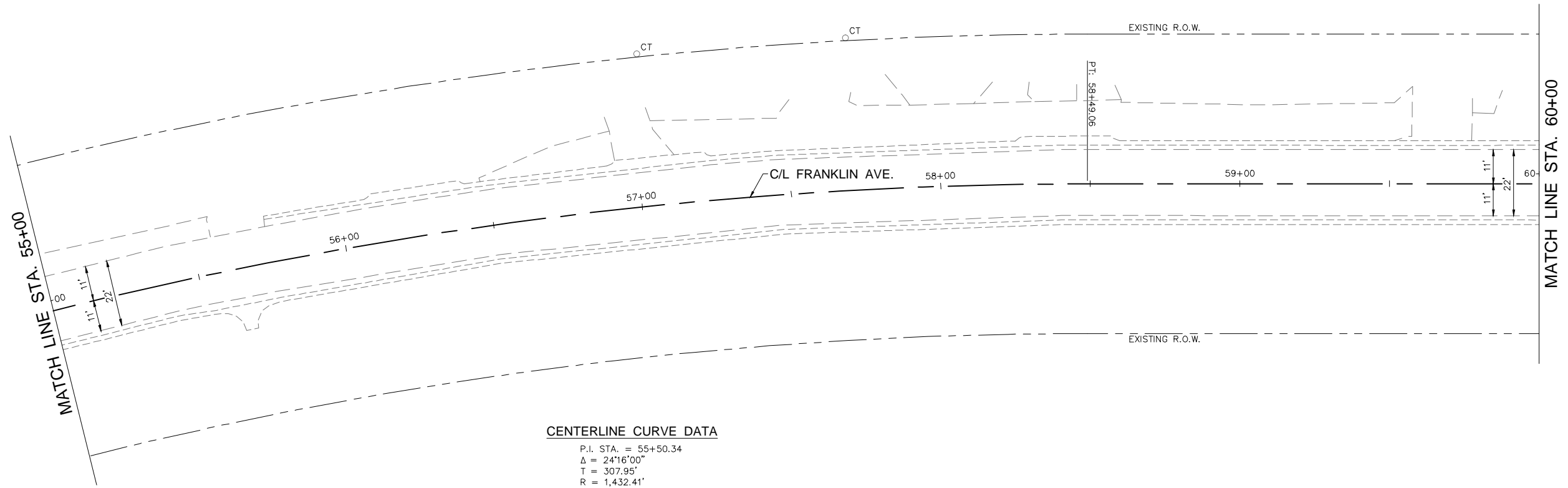
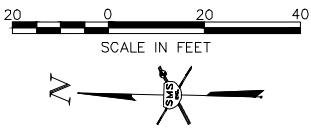
**VILLAGE OF EAST ALTON**  
**SECTION 15-00051-00-RS**  
**FRANKLIN AVENUE**  
**PLAN AND PROFILE**

DWG. NO. \_\_\_\_\_  
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 FRANKLIN AVE\20 P-P.DWG  
 REF. BK. 10094 PG. 10  
 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

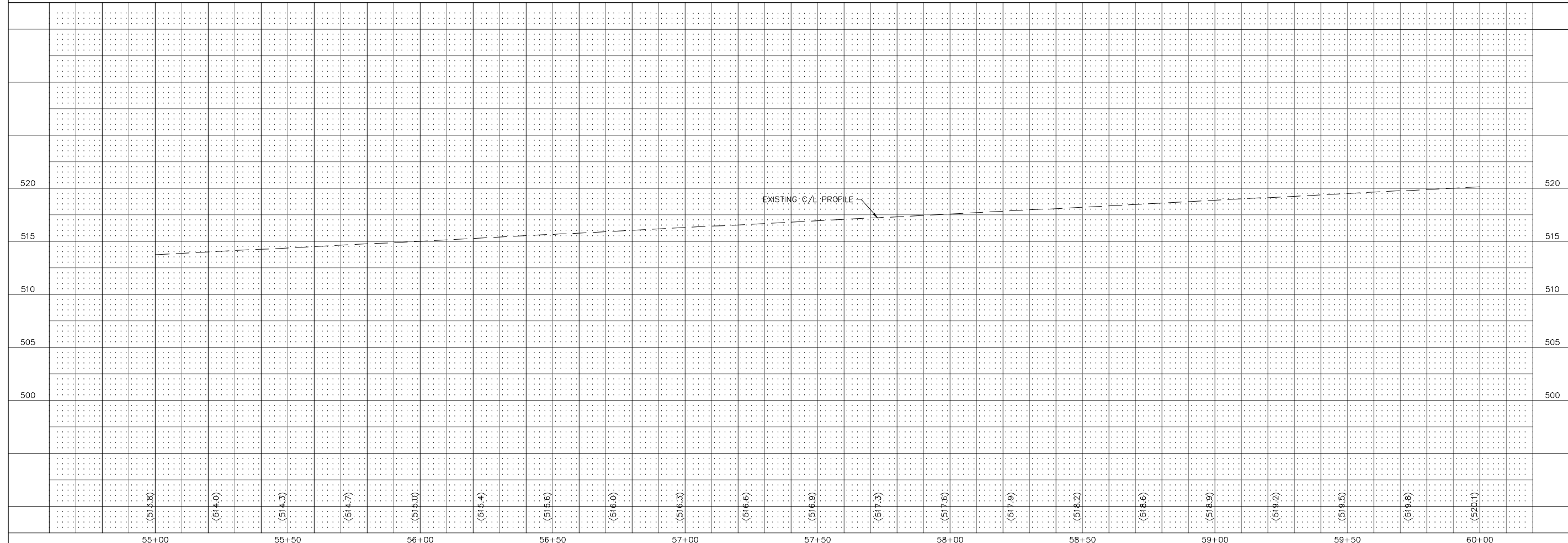
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 1" = 5' VERT.

SHEET 16 OF 22





**CENTERLINE CURVE DATA**  
 P.I. STA. = 55+50.34  
 $\Delta = 241^{\circ}00'$   
 $T = 307.95'$   
 $R = 1,432.41'$   
 $L = 606.67'$   
 $E = 32.73'$   
 P.C. STA. = 52+42.39  
 P.T. STA. = 58+49.06

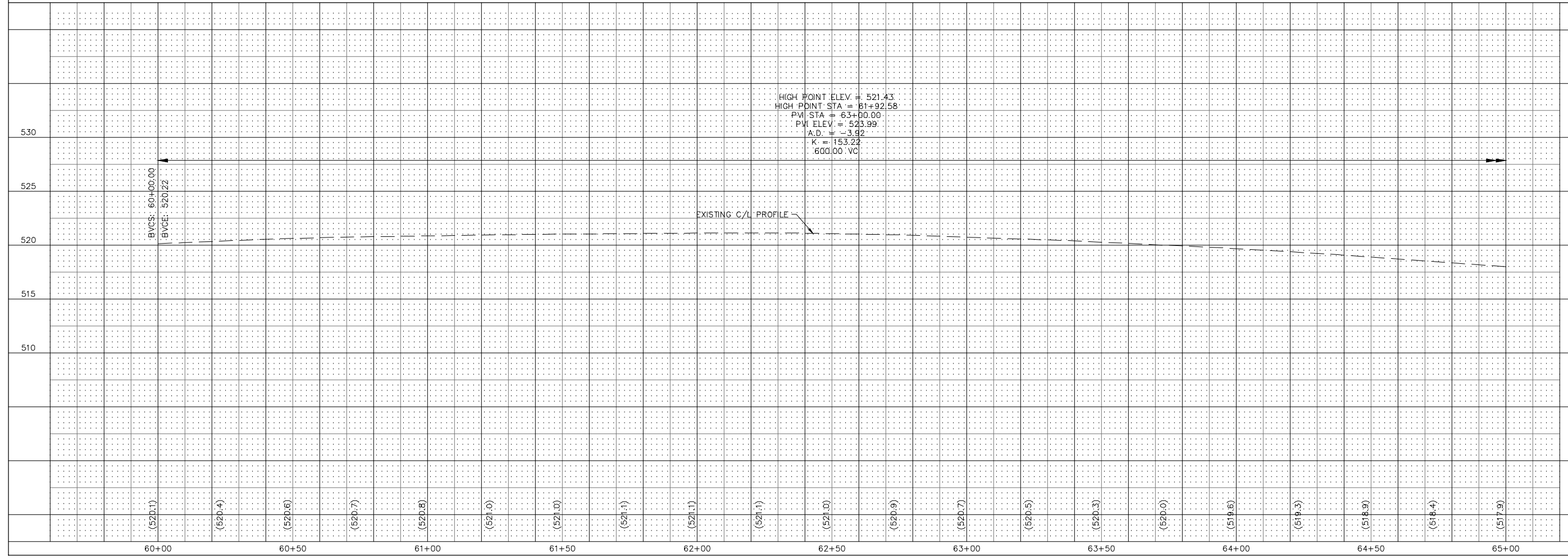
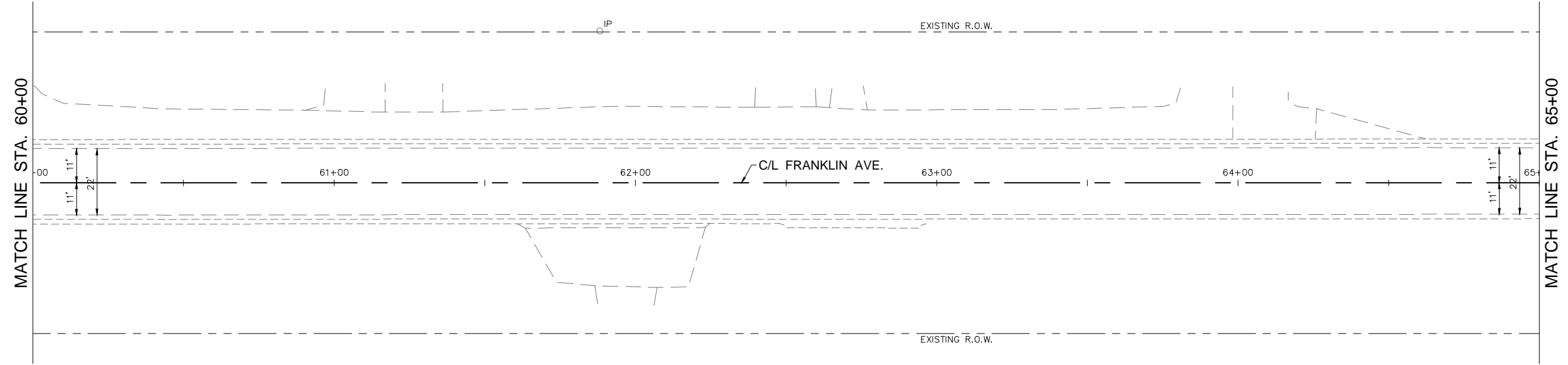
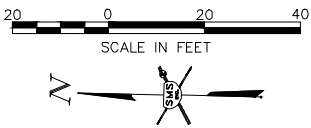


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 DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PLAN AND PROFILE

DWG. NO. \_\_\_\_\_  
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 JOB NO. 429432.1  
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 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018  
 SCALE: 1" = 20' HORZ.  
 1" = 5' VERT.  
 SHEET 17 OF 22



HIGH POINT ELEV. = 521.43  
 HIGH POINT STA = 61+92.58  
 PVI STA = 63+00.00  
 PVI ELEV. = 523.99  
 A.D. = -3.92  
 K = 153.22  
 600.00 VC

EXISTING C/L PROFILE

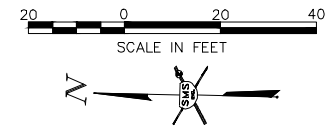
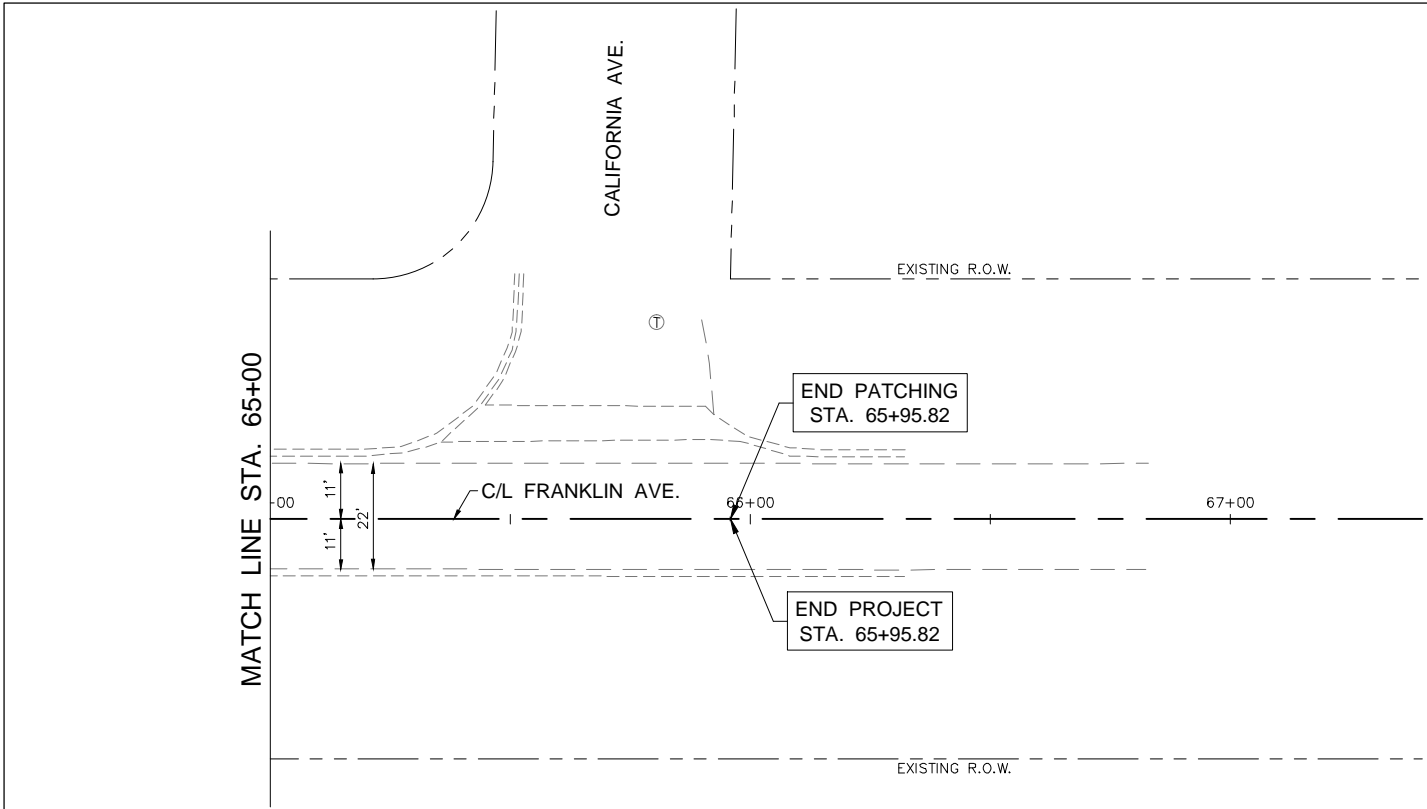
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VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PLAN AND PROFILE

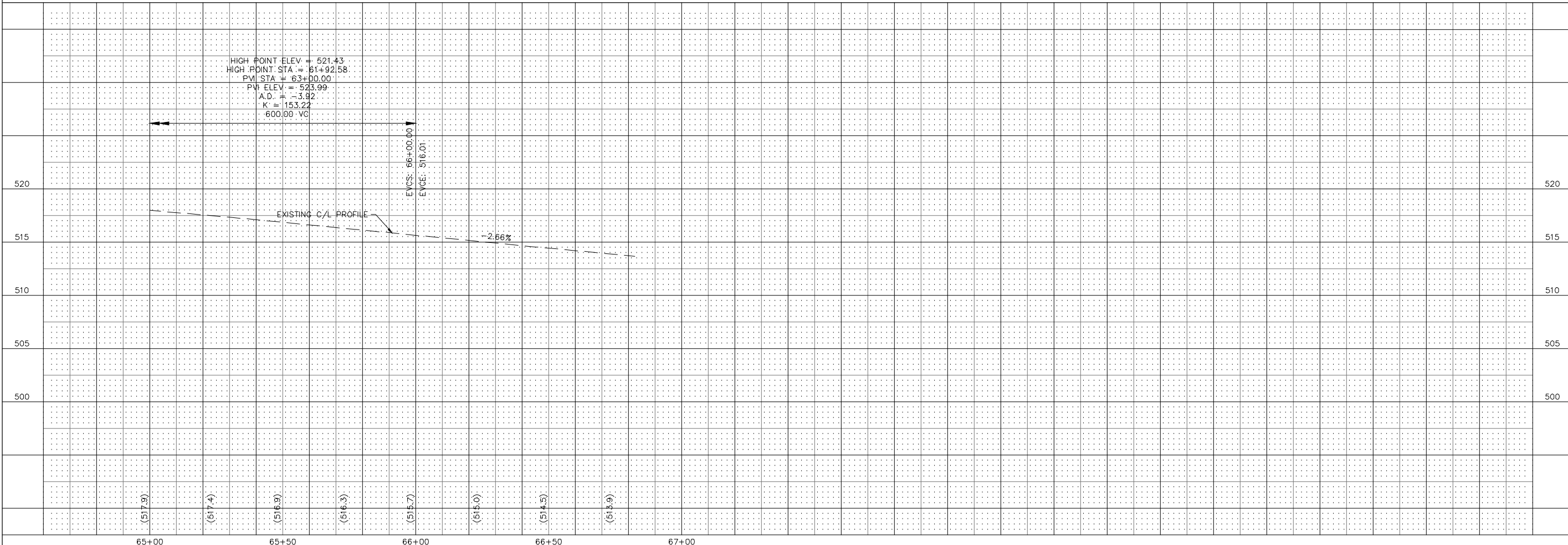
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 DATE: DECEMBER, 2018

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



NO.	REVISIONS

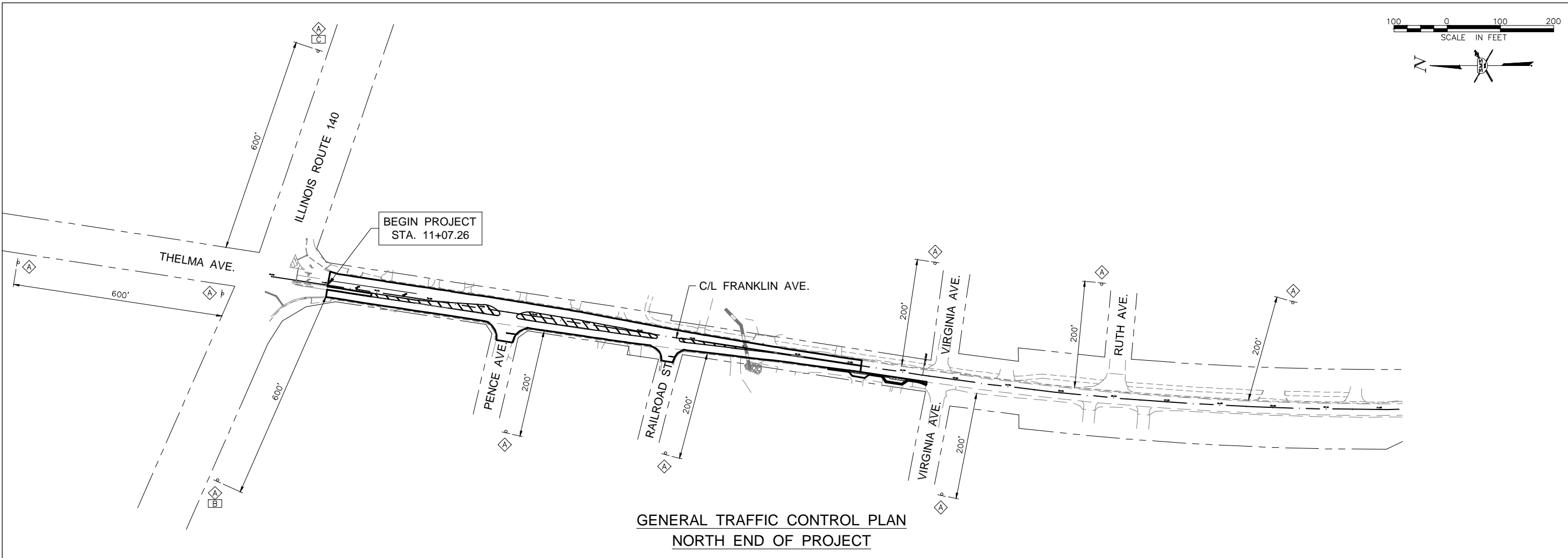
**SMS ENGINEERS**  
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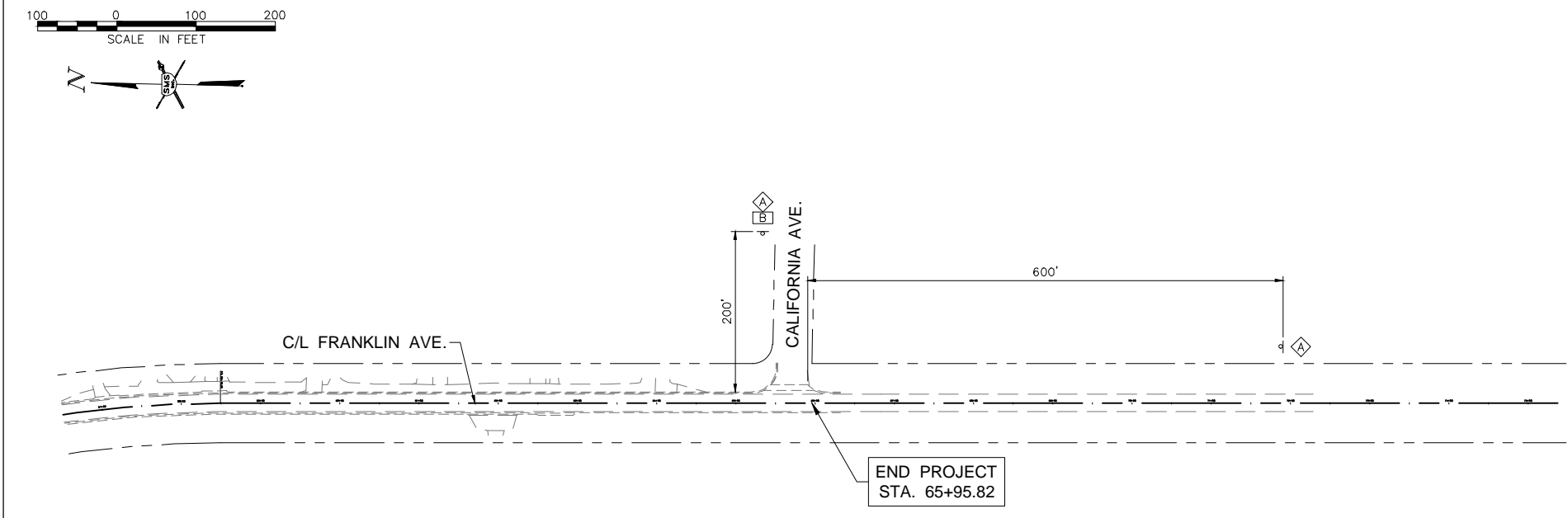
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 FRANKLIN AVENUE  
 PLAN AND PROFILE

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DATE: DECEMBER, 2018	
SCALE: 1" = 20' HORZ.	
1" = 5' VERT.	
SHEET 19 OF 22	

Q:\CIVIL\_3D PROJECTS\E. ALTON (429432.1) FRANKLIN AVE\Production Drawings\20 TRAFFIC CONTROL.dwg, 12/4/2018 2:59:16 PM, jman, 1:200



**GENERAL TRAFFIC CONTROL PLAN  
NORTH END OF PROJECT**



**GENERAL TRAFFIC CONTROL PLAN  
SOUTH END OF PROJECT**

**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 IN ACCORDANCE WITH THE SPECIFIED HIGHWAY STANDARDS AND THE SPECIAL PROVISIONS OF THE CONTRACT.
2. AT TIMES WHEN TRAFFIC LANES ARE OPEN, PROVIDE TRAFFIC CONTROL AS NEEDED PER HIGHWAY STANDARD 701006, 701011 OR 701301.
3. FRANKLIN AVE. SHALL REMAIN OPEN TO THROUGH TRAFFIC. LANES MAY BE CLOSED DURING DAY TIME HOURS PROVIDED AT LEAST ONE THROUGH LANE REMAINS OPEN AND TRAFFIC CONTROL IS PROVIDED FOR PER HIGHWAY STANDARD 701501 OR 701502.
4. SIDE STREETS THAT HAVE ALTERNATE ACCESS MAY EITHER REMAIN OPEN TO TWO WAY TRAFFIC AND A FLAGGER PROVIDED AS NEEDED PER HIGHWAY STANDARD 701501 OR MAY BE CLOSED PROVIDING PROPER SIGNS AND BARRICADES PER HIGHWAY STANDARD 701501.
5. WHEN CONSTRUCTION OPERATIONS RESULT IN A DIFFERENTIAL IN ELEVATION EXCEEDING 3" AT THE EDGE OF PAVEMENT, TYPE I OR TYPE II BARRICADES, OR VERTICAL PANELS OR DRUMS SHALL BE PLACED AT 25 FT. CENTERS. STEADY BURNING WARNING LIGHTS SHALL BE USED AT NIGHT.
6. WHEN 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.

**TRAFFIC CONTROL LEGEND**

- SIGN "ROAD CONSTRUCTION AHEAD" W20-1(0) - 48" x 48"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"

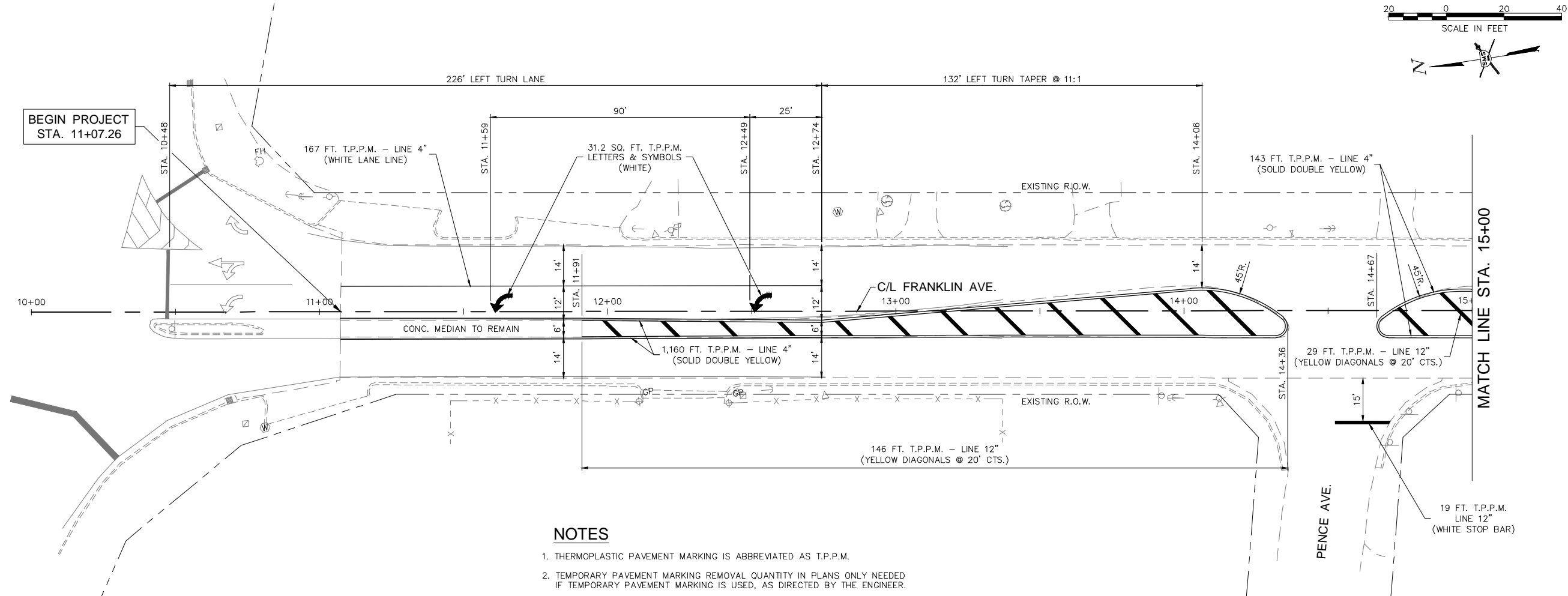
REVISIONS


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 DESIGN FIRM # 184-000992

**VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 TRAFFIC CONTROL PLAN**

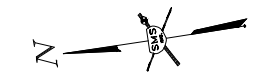
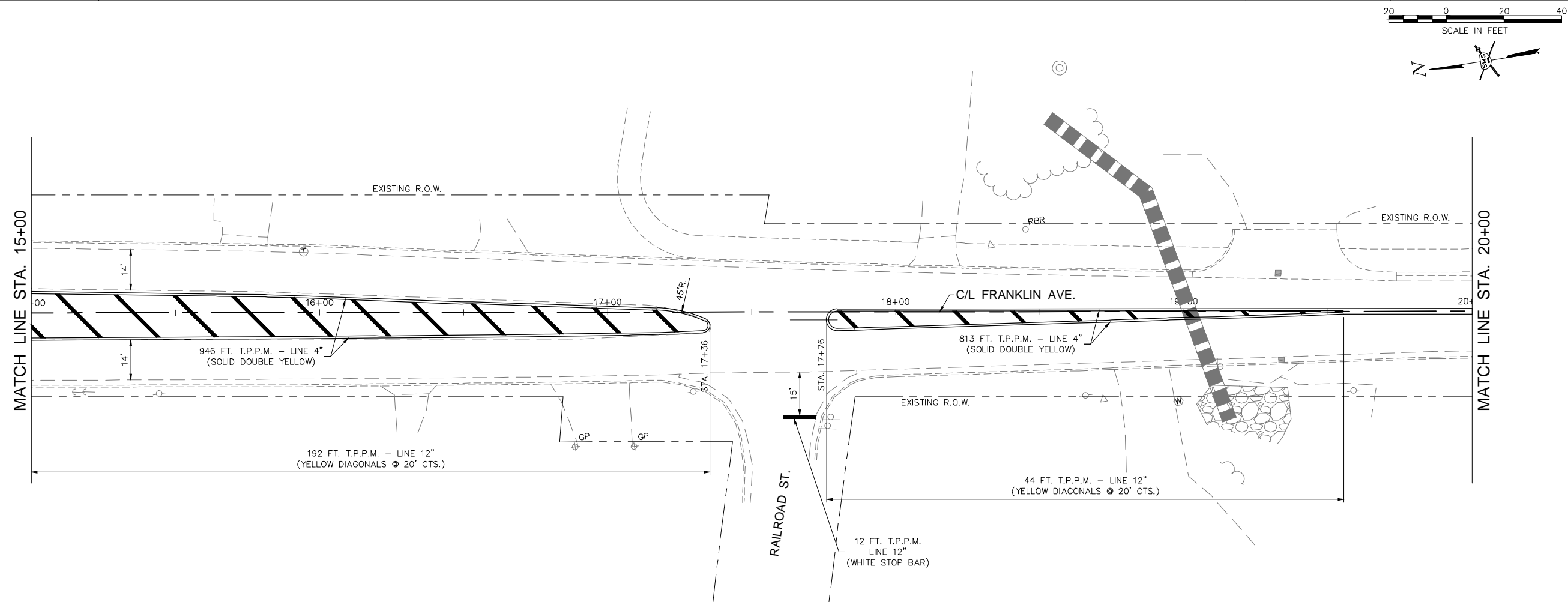
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 JOB NO. 429432.1  
 DSN. BY: DDT  
 DWN. BY: CAD  
 CHK. BY: DEG  
 DATE: DECEMBER, 2018

ILLINOIS ROUTE 140



**NOTES**

1. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS T.P.P.M.
2. TEMPORARY PAVEMENT MARKING REMOVAL QUANTITY IN PLANS ONLY NEEDED IF TEMPORARY PAVEMENT MARKING IS USED, AS DIRECTED BY THE ENGINEER.

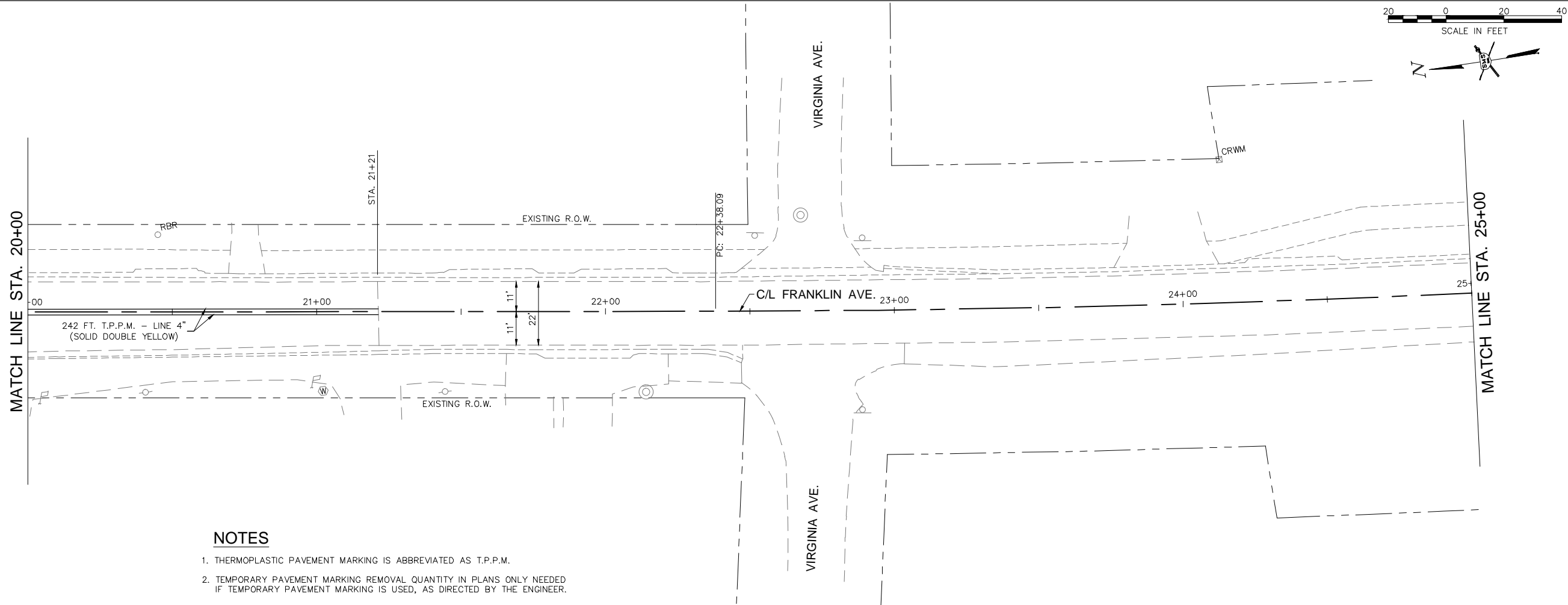


NO.	REVISIONS

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 2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
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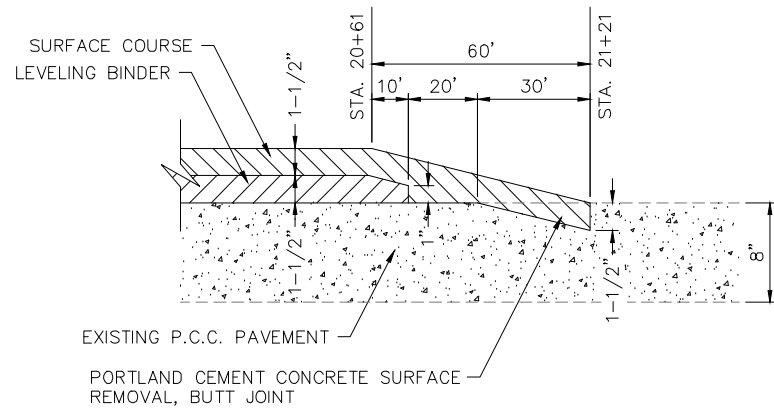
VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PAVEMENT MARKING & DETAIL PLAN

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Q:\E ALTON 429432.1	FRANKLIN AVE PVMT MARKING.DWG
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JOB NO.	429432.1
DSN. BY:	DDT
DWN. BY:	CAD
CHK. BY:	DEG
DATE:	DECEMBER, 2018



**NOTES**

1. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS T.P.P.M.
2. TEMPORARY PAVEMENT MARKING REMOVAL QUANTITY IN PLANS ONLY NEEDED IF TEMPORARY PAVEMENT MARKING IS USED, AS DIRECTED BY THE ENGINEER.



**JOINT DETAIL**  
NOT TO SCALE

REVISIONS

**SMS ENGINEERS**  
**Sheppard, Morgan & Schwab, Inc.**  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

VILLAGE OF EAST ALTON  
 SECTION 15-00051-00-RS  
 FRANKLIN AVENUE  
 PAVEMENT MARKING & DETAIL PLAN

DWG. NO.
Q:\E ALTON 429432.1
FRANKLIN AVE PVMT MARKING.DWG
REF. BK. 10094 PG. 10
JOB NO. 429432.1
DSN. BY: DDT
DWN. BY: CAD
CHK. BY: DEG
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