

CONTACT JULIE AT 811 OR 800-892-0123

With the following:



County MADISON

City / Township CITY OF ALTON

N. 1/2 SEC. 12 T.5N., R.10W.  
NW. 1/4 SEC. 7 T.5N., R.9W.

48 HOURS (2 working days) BEFORE YOU DIG

04-29-2022 LETTING ITEM 190 **STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**TAP FUNDS**

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00231-02-SW	MADISON	33	1
FEDERAL AID PROJECT		CONTRACT NO. 97774	

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 (WATER)  
(618) 239-3258 (SEWER)

AT&T COMMUNICATIONS  
203 GOETHE  
COLLINSVILLE, IL 62234  
(618) 346-6400  
(618) 346-6426

AMEREN ILLINOIS  
700 OAKWOOD AVENUE  
ALTON, ILLINOIS 62002  
(618) 463-4030 (ELECTRIC)  
(618) 463-4027 (GAS)

ALTON PUBLIC WORKS  
2 EMMA KAUS LANE  
ALTON, ILLINOIS 62002  
(618) 466-3530

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

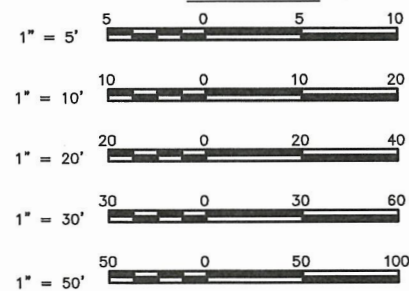
**INDEX TO SHEETS**

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**HIGHWAY STANDARDS**

000001-08	701301-04
001001-02	701501-06
001006	701801-06
280001-07	701901-08
424001-11	720006-04
424011-04	720011-01
442101-09	729001-01
606001-08	
701006-05	
701011-04	

**SCALES**



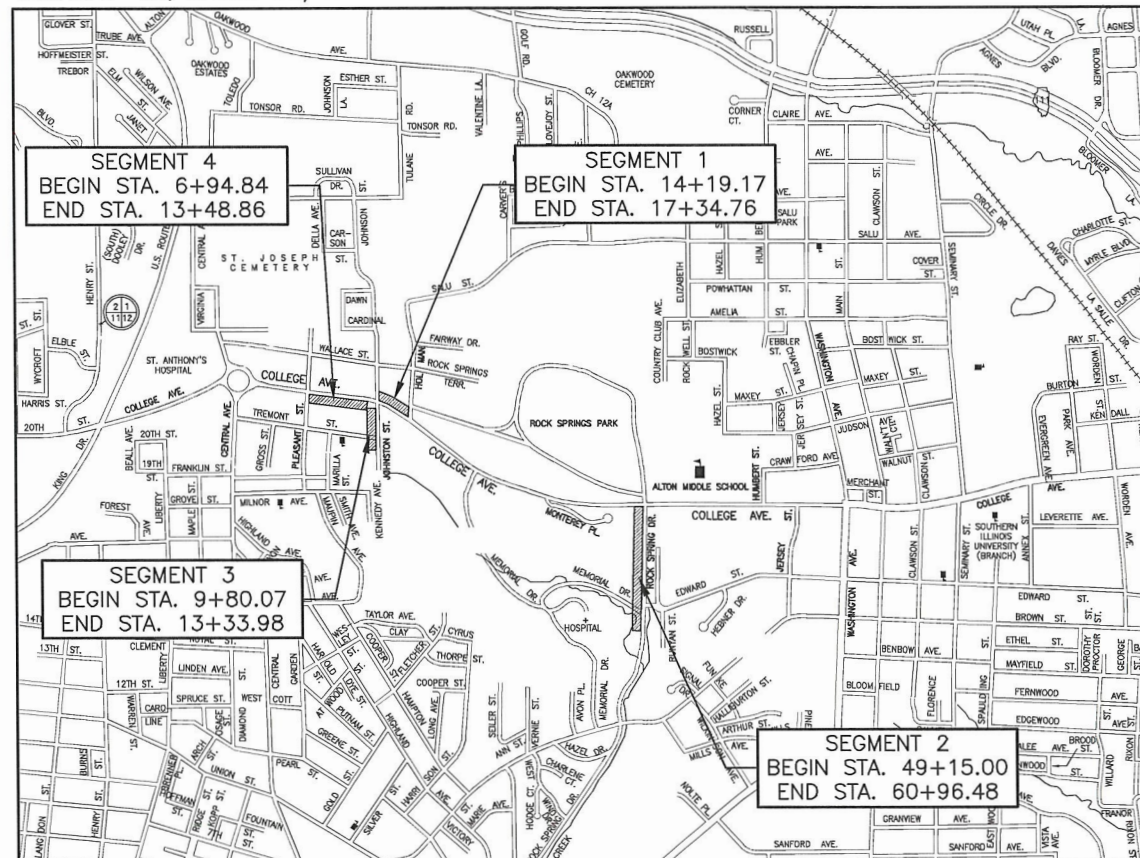
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

**SAFE ROUTES TO SCHOOL - PHASE 2**

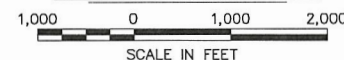
SECTION 17-00231-02-SW

PROJECT CBHK(804)  
CITY OF ALTON, ILLINOIS  
MADISON COUNTY  
JOB C-98-002-19

TOWNSHIP 5N, RANGE 9W/10W



**LOCATION MAP**



GROSS LENGTH = 2,505.00 FEET = 0.474 MILES  
NET LENGTH = 2,354.00 FEET = 0.446 MILES  
SEGMENT 1 = 315.59 FEET = 0.060 MILES  
SEGMENT 2 = 1,181.48 FEET = 0.224 MILES  
SEGMENT 3 = 353.91 FEET = 0.067 MILES (151 FEET OMISSION)  
SEGMENT 4 = 654.02 FEET = 0.124 MILES



Sheppard Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS & LAND SURVEYORS  
215 Market Street  
Alton, Illinois 62002  
P.O. Box 5  
618/462-9755



LOCATION OF SECTION INDICATED THUS:—

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: FEB 15 2022  
David New  
MAYOR

PASSED: 2/17 2022  
Steph  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED UPON LIMITED  
REVIEW: 2/17 2022  
Stephen Fomin  
REGIONAL ENGINEER

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



Tyler J. Hazelwonder

DATE SIGNED 2-15-2022  
EXPIRATION DATE 11-30-2023



**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 - □<sup>T</sup>
- EXISTING CABLE SPLICE BOX - □<sup>TV</sup>
- EXISTING WATER HYDRANT - -FH
- EXISTING GAS METER - -G
- EXISTING WATER METER - -W
- EXISTING WATER VALVE - -V
- EXISTING GAS VALVE - -G
- EXISTING FIRE HYDRANT - -FH
- EXISTING SANITARY MANHOLE TOP - -⊙
- EXISTING STORM MANHOLE TOP - -○
- EXISTING TELEPHONE MANHOLE TOP - -⊙
- EXISTING SANITARY CLEAN OUT - -⊙
- CONTROL POINT - -△<sup>XXX</sup>
- BENCHMARK - -B.M.
- TEST PIT / NUMBER - -T.P.# X
- BORING / NUMBER - -B.# X
- RIGHT-OF-WAY MARKER - -M
- 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 - -F
- EXISTING FENCE POST - -⊕
- EXISTING GATE POST - -⊕
- EXISTING FLAG POLE - -○
- EXISTING GUARD POST - -○<sup>GP</sup>
- EXISTING ADVERTISING SIGN - -T
- EXISTING TRAFFIC SIGN - -T
- EXISTING PARKING METER - -⊕
- EXISTING RAILROAD MILE POST - -MP
- EXISTING RAILROAD SIGNAL CONTROLLER - -⊕
- EXISTING RAILROAD CROSSING GATE - -X
- 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 - -F<sup>XX"</sup>
- EXISTING BUSH - -B
- EXISTING SHRUB - -S
- 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 - □<sup>T</sup>
- PROPOSED CABLE SPLICE BOX - □<sup>TV</sup>
- PROPOSED WATER HYDRANT - -FH
- PROPOSED GAS METER - -G
- PROPOSED WATER METER - -W
- PROPOSED WATER VALVE - -V
- PROPOSED GAS VALVE - -G
- PROPOSED FIRE HYDRANT - -FH
- PROPOSED SANITARY MANHOLE TOP - -⊙
- PROPOSED STORM MANHOLE TOP - -○
- PROPOSED TELEPHONE MANHOLE TOP - -⊙
- PROPOSED SANITARY CLEAN OUT - -⊙
- PROPOSED MAILBOX - -F
- PROPOSED GUARD POST - -GP
- PROPOSED ADVERTISING SIGN - -T
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- PROPOSED MAST ARM BASE - -○
- PROPOSED DECIDUOUS TREE / SIZE - -○<sup>XX"</sup>
- PROPOSED EVERGREEN TREE / SIZE - -○<sup>XX"</sup>
- PROPOSED BUSH - -B
- PROPOSED PLANT - -P
- 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 - - X - - 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 - - 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 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
BAK	BACK	PC	POINT OF CURVE
BM	BENCH MARK	PE	PRIVATE ENTRANCE
BV/CE	BEGIN VERTICAL CURVE ELEVATION	PI	POINT OF INTERSECTION
BV/CS	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	RAILROAD
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
FL	FLOWLINE	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	TEMPORARY PAVEMENT MARKING
HMA	HOT-MIX ASPHALT	TPPM	THERMOPLASTIC PAVEMENT MARKING
IP	IRON PIPE	TUP	TEMPORARY USE PERMIT
LT	LEFT	TY	TYPE
MON	MONUMENT	TY	TYPICAL
MP	MILE PIPE	VC	VERTICAL CURVE
N	NORTH	VCP	VITRIFIED CLAY PIPE
NE	NORTHEAST	W	WEST
NW	NORTHWEST	WMQ	WATER MAIN QUALITY
O&C	OIL AND CHIP		

**GENERAL NOTES**

- 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.
- 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.
- PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS WERE CALCULATED BASED ON USING 112 LBS. / SQ. YD. / IN.
- 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 LOCAL STREET DEPARTMENT LOCATED AT 2 EMMIE KAUS LANE, ALTON, ILLINOIS. 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.
- ALL CONSTRUCTION ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF THE "PUBLIC RIGHT-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.
- DRIVEWAYS SHALL BE POURED WITHIN 2 DAYS OF REMOVAL TO MINIMIZE INCONVENIENCE TO PROPERTY OWNERS.
- THE CITY OF ALTON IS PLANNING TO HAVE A SEPARATE CONSTRUCTION CONTRACT TO MAKE ROADWAY AND DRAINAGE IMPROVEMENTS TO ROCK SPRINGS DRIVE. SOME OF THIS ROAD WORK IS SHOWN ON THE PLANS AS WORK BY OTHERS. IN THE CROSS SECTIONS, ALL WORK SHOWN IN BLACK SHALL BE COMPLETED IN THIS CONTRACT AND ALL WORK SHOWN IN BLUE SHALL BE COMPLETED BY OTHERS. THE ROAD PROJECT IS INTENDED TO BE UNDER CONSTRUCTION PRIOR TO THIS SIDEWALK CONTRACT. THE ROAD PROJECT WILL REMOVE THE TREES AND CONSTRUCT THE PROPOSED STORM SEWERS, WIDENING, CURBS AND HOT-MIX ASPHALT RESURFACING ON ROCK SPRINGS DRIVE. THE GRADING FOR THE ROAD PROJECT IS ANTICIPATED TO BE COMPLETED FIRST AND IS ACCOUNTED FOR IN THE EARTH WORK QUANTITIES FOR THIS SIDEWALK CONTRACT. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS ACCORDING TO ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS SUCH THAT BOTH PROJECTS CAN PROCEED IN A TIMELY MANNER.

**COMMITMENTS**

TREES SHALL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30 OF ANY GIVEN YEAR

**BENCHMARK INFORMATION**

SURVEY CONTROL POINTS			
VERTICAL CONTROL (BENCH MARKS)			
BENCH MARK	LOCATION	ELEVATION	DESCRIPTION
13091	49+38.81, 7.49' LT.	459.59	CUT "X" ON TOP OF HEADWALL

HORIZONTAL CONTROL				
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #107	815552.4820	2296240.2400	583.85	CUT "X" STA. 9+75.44, 26.17' RT. COLLEGE AVE
CP #103	815467.2540	2296777.5420	576.42	CUT "X" STA. 15+18.75, 30.82' LT. COLLEGE AVE
CP #300	815514.5320	2296667.3630	577.07	CUT "X" STA. 13+98.99, 25.19' LT. COLLEGE AVE
CP #301	815063.1030	2296612.5610	578.86	STA. 9+31.81, 33.80' LT. JOHNSON ST.
CP #13090	813258.3500	2299422.9450	458.31	STA. 49+65.35, 19.50' RT. ROCK SPRINGS DR.
CP #13472	813581.9530	2299430.6690	461.97	STA. 52+88.19, 13.65' RT. ROCK SPRINGS DR.
CP #13087	813944.4110	2299437.5070	462.89	STA. 56+50.70, 16.00' RT. ROCK SPRINGS DR.
CP #13085	814380.1610	2299386.8950	475.21	STA. 60+86.50, 33.34' LT. ROCK SPRINGS DR.

\* ELEVATIONS SHOULD BE CHECKED FROM A BENCHMARK.

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

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
GENERAL NOTES, LEGENDS, CONTROL POINTS AND COMMITMENTS

CONTRACT NO. 97774

REF. BK. PG.  
JOB NO. 500068  
DSN. BY: DEG  
DWN. BY: CDP  
CHK. BY: DEG  
DATE: JAN, 2022

SCALE:  
SHEET 2 OF 33

**SUMMARY OF QUANTITIES**

CONSTRUCTION TYPE CODE			0028	
CODE NO.	ITEM	UNIT	QUANTITY	
20200100	EARTH EXCAVATION	CU YD	82	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	26	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	26	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	26	
25100115	MULCH, METHOD 2	ACRE	0.50	
25100630	EROSION CONTROL BLANKET	SQ YD	836	
28000305	TEMPORARY DITCH CHECKS	FOOT	56	
28000400	PERIMETER EROSION BARRIER	FOOT	108	
28000500	INLET AND PIPE PROTECTION	EACH	7	
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	20	
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	146	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	14	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	59	
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	66	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	16	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	267	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	9,832	
42400800	DETECTABLE WARNINGS	SQ FT	76	
44000100	PAVEMENT REMOVAL	SQ YD	168	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	222	
44000300	CURB REMOVAL	FOOT	117	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	182	

CONSTRUCTION TYPE CODE			0028	
CODE NO.	ITEM	UNIT	QUANTITY	
44000600	SIDEWALK REMOVAL	SQ FT	8,215	
50800105	REINFORCEMENT BARS	POUND	2,273	
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	26	
60255500	MANHOLES TO BE ADJUSTED	EACH	1	
60600605	CONCRETE CURB, TYPE B	FOOT	190	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	141	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	185	
△ 66400105	CHAIN LINK FENCE, 4'	FOOT	103	
△ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	324	
△ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	
△ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	
△ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	
△ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	
67100100	MOBILIZATION	L SUM	1	
△ 72900100	METAL POST - TYPE A	FOOT	57	
△ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	236	
△ 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	35	
* X0327583	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	69	
* X2501010	SEEDING, CLASS 2 (MODIFIED)	ACRE	0.50	
△ * X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	5	
* X3400004	RETAINING WALL REMOVAL	FOOT	131	
* X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SQ FT	397	
* X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	726	
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	

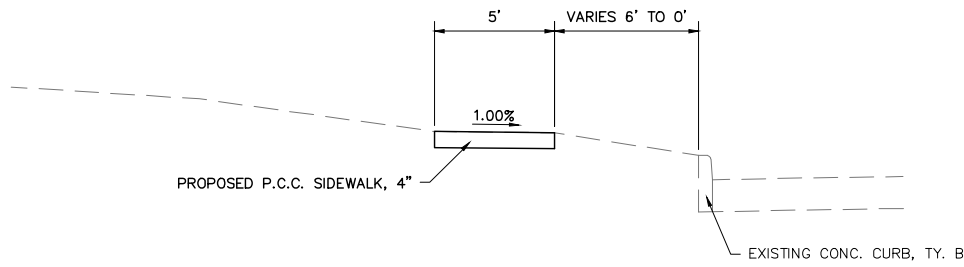
\* DENOTES SPECIAL PROVISION      △ SPECIALTY ITEMS

REVISIONS									
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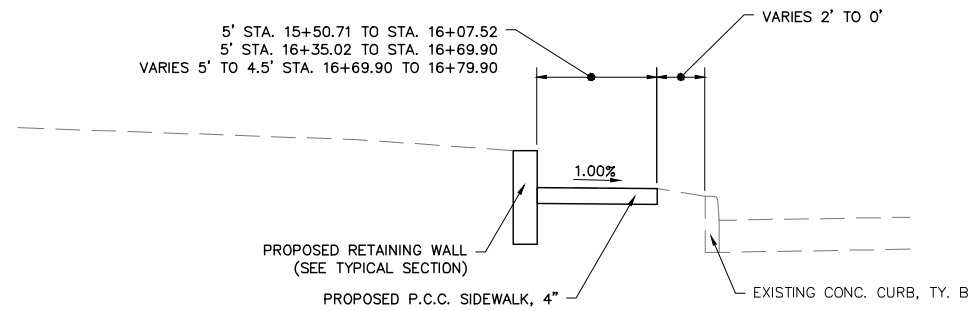

**SMS** Sheppard, Morgan & Schwaab, Inc.  
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 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS  
 SECTION 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 SUMMARY OF QUANTITIES

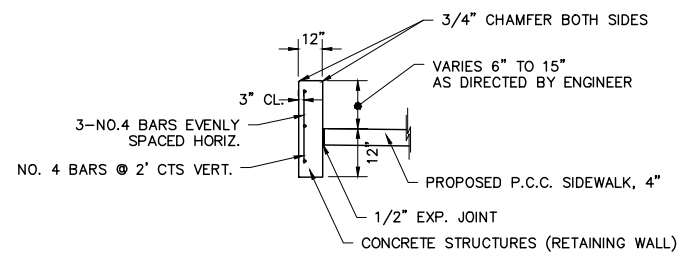
CONTRACT NO.	97774
REF. BK.	PG.
JOB NO.	500068
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	JAN, 2022
SCALE:	
SHEET	3 OF 33



**PROPOSED TYPICAL SECTION  
SEGMENT 1 (COLLEGE AVENUE)**  
STA. 14+19.17 TO STA. 15+50.71  
STA. 16+07.52 TO STA. 16+35.02

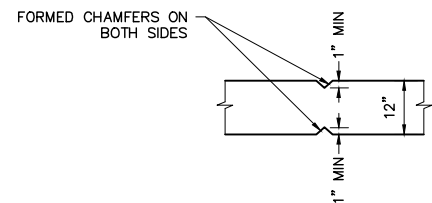


**PROPOSED TYPICAL SECTION  
SEGMENT 1 (COLLEGE AVENUE)**  
STA. 15+50.71 TO STA. 16+07.52  
STA. 16+35.02 TO STA. 16+79.90



NOTE: SEE DETAIL "A" FOR FORMED CONTRACTION JOINT

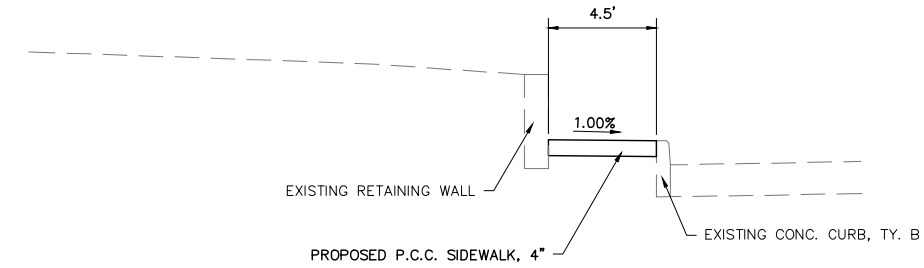
**PROPOSED TYPICAL SECTION  
SHORT RETAINING WALL**  
SEGMENT 1 - STA. 15+50.71 TO STA. 16+07.52  
SEGMENT 1 - STA. 16+35.02 TO STA. 16+79.90



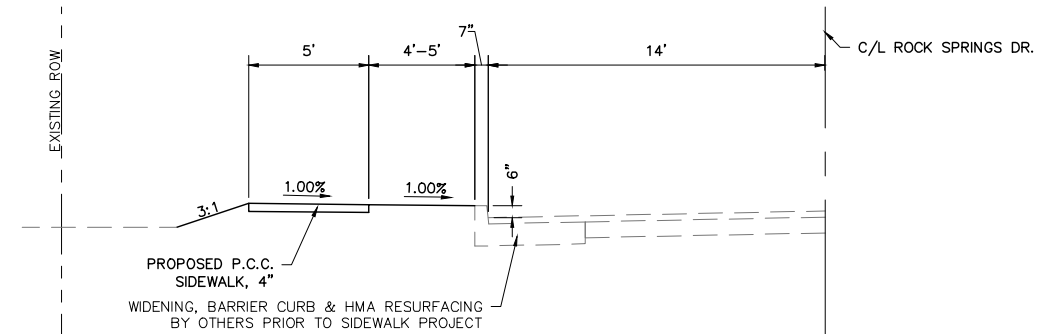
**DETAIL "A"**

FORMED CONTRACTION JOINT FOR  
SHORT RETAINING WALL

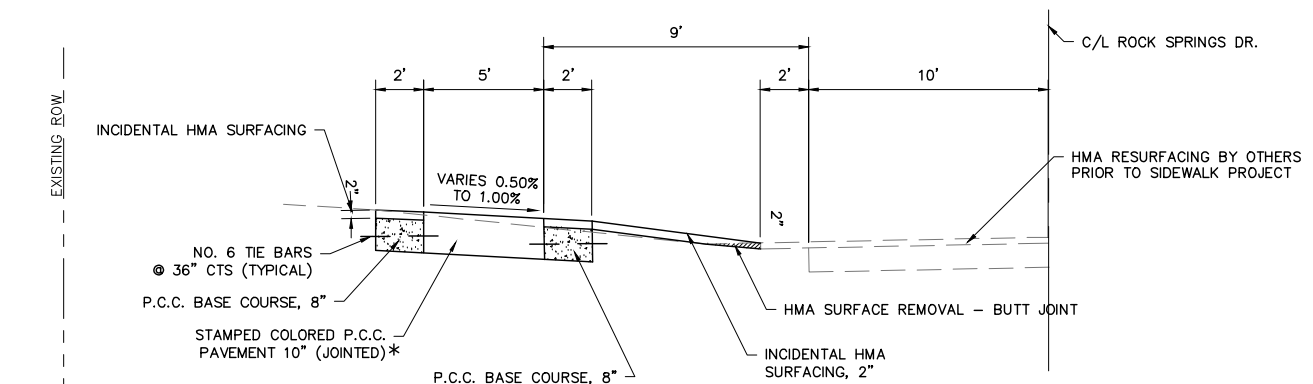
SPACING NOT TO EXCEED 10'



**PROPOSED TYPICAL SECTION  
SEGMENT 1 (COLLEGE AVENUE)**  
STA. 16+79.90 TO STA. 17+34.76



**PROPOSED TYPICAL SECTION  
SEGMENT 2 (ROCK SPRINGS DRIVE)**  
STA. 49+15 TO STA. 49+59.54



**PROPOSED TYPICAL SECTION  
SEGMENT 2 (ROCK SPRINGS DRIVE)**  
STA. 49+59.54 TO STA. 50+61.91

\* PROVIDE SAWED CONTRACTION JOINTS NOT TO  
EXCEED 15' CTS W/ NO. 6 TIE BARS @ 36" CTS

REVISIONS

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CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
TYPICAL SECTIONS

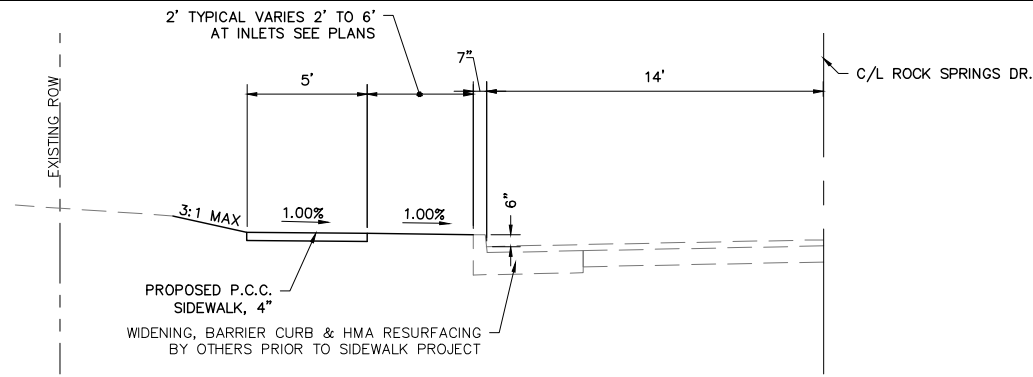
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97774

REF. BK. PG.  
JOB NO. 500068  
DSN. BY: DEG  
DWN. BY: CDP  
CHK. BY: DEG  
DATE: JAN, 2022

SCALE: N/A

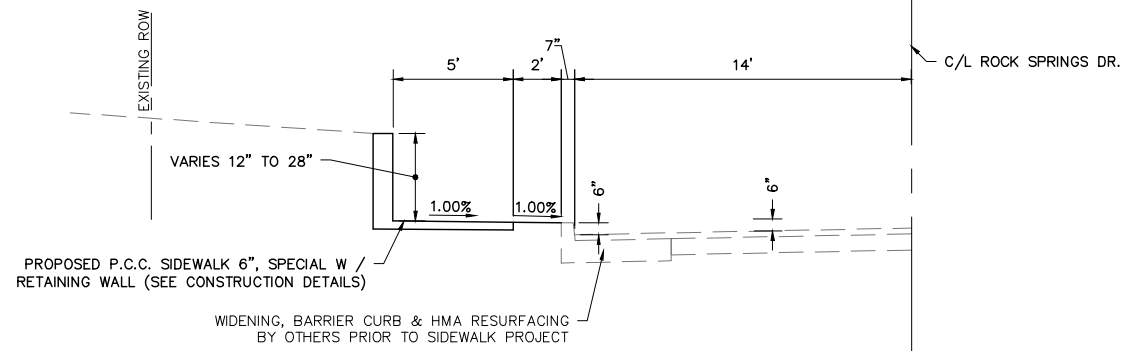
SHEET 4 OF 33





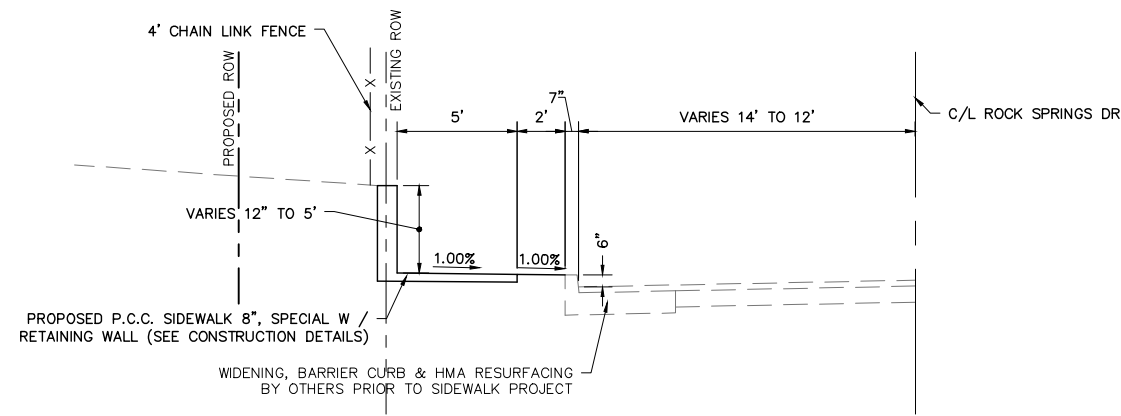
**PROPOSED TYPICAL SECTION  
SEGMENT 2 (ROCK SPRINGS DRIVE)**

STA. 50+61.91 TO STA. 51+10  
STA. 51+80 TO STA. 55+15  
STA. 56+43 TO STA. 57+00



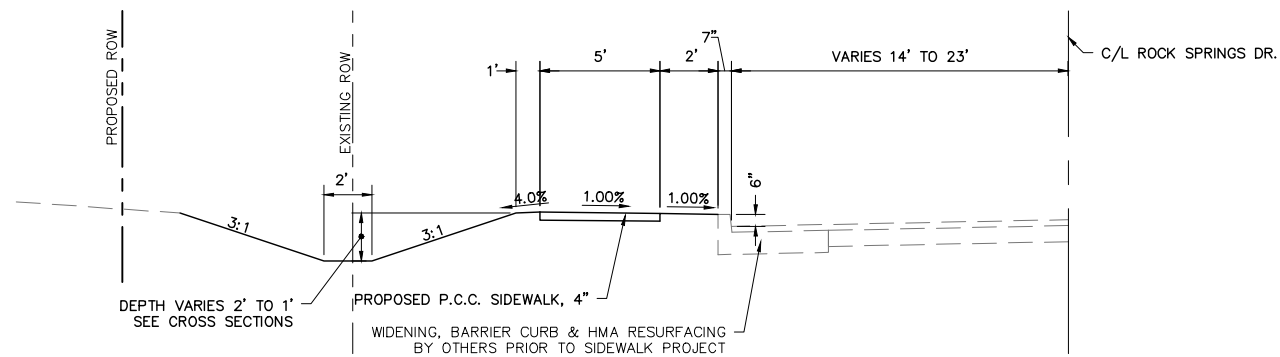
**PROPOSED TYPICAL SECTION  
SEGMENT 2 (ROCK SPRINGS DRIVE)**

STA. 51+10 TO STA. 51+80



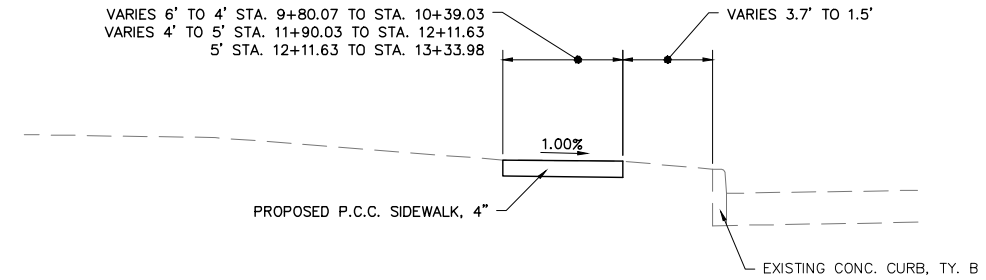
**PROPOSED TYPICAL SECTION  
SEGMENT 2 (ROCK SPRINGS DRIVE)**

STA. 55+15 TO STA. 56+43



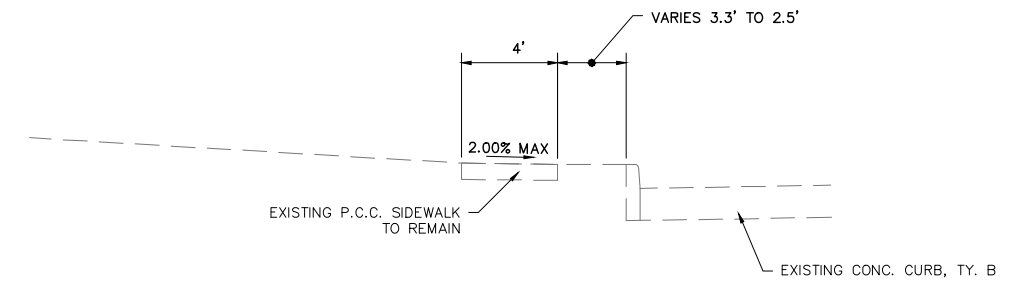
**PROPOSED TYPICAL SECTION  
SEGMENT 2 (ROCK SPRINGS DRIVE)**

STA. 57+00 TO STA. 60+96.48



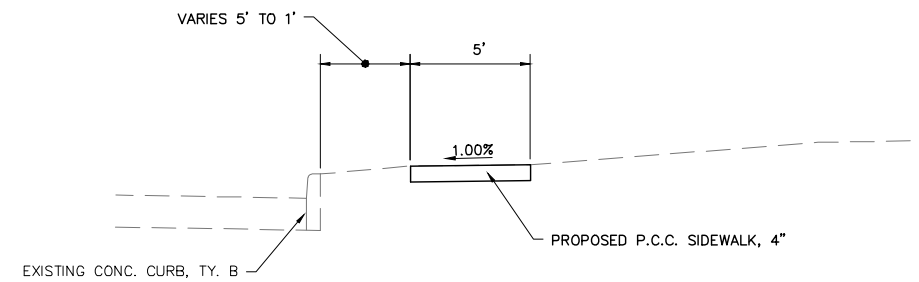
**PROPOSED TYPICAL SECTION  
SEGMENT 3 (JOHNSON STREET)**

STA. 9+80.07 TO STA. 10+39.03  
STA. 11+90.03 TO STA. 13+33.98



**PROPOSED TYPICAL SECTION  
SEGMENT 3 (JOHNSON STREET)**

STA. 10+39.03 TO STA. 11+90.03



**PROPOSED TYPICAL SECTION  
SEGMENT 4 (COLLEGE AVENUE)**

STA. 6+94.84 TO STA. 13+48.86

NO.	DESCRIPTION

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CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
TYPICAL SECTIONS

CONTRACT NO.  
97774

REF. BK.	PG.
JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	

**SIGN AND POST SCHEDULE**

STATION	OFFSET	TYPE	DESCRIPTION	DIMENSIONS (IN.)		SIGN PANEL T1 (SQ FT)	METAL POST TY A (FOOT)	REM & REL SIGN PANEL (EACH)	COMMENT
				WIDTH	DEPTH				
<b>SEGMENT 1</b>									
15+22.00	LT	W3-1	STOP AHEAD SYMBOL	30	30		14	1	NEW POST. UTILIZE EX SIGNS.
			STOP AHEAD	18	12				
<b>SEGMENT 2</b>									
49+93.00	LT	R1-1	STOP	30	30		11	1	NEW POST. UTILIZE EX SIGN.
52+53.00	LT	SPECIAL	HOSPITAL SIGN	12	6		10	1	NEW POST. UTILIZE EX SIGNS.
		SPECIAL	ARROW	12	8				
<b>SEGMENT 3</b>									
9+77.00	LT	W14-1	DEAD END	30	30		11	1	NEW POST. UTILIZE EX SIGN.
9+91.94	LT	R1-1	STOP	30	30		11	1	NEW POST. UTILIZE EX SIGN. TO BE LOCATED AT THE BACK OF SIDEWALK
<b>TOTAL</b>							<b>57</b>	<b>5</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.

**EARTHWORK SCHEDULE**

STATION	STATION	NON-SPECIAL WASTE DISPOSAL (CU YD)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)
<b>SEGMENT 2</b>						
49+15	49+60				4	-4
50+62	54+50	70			10	-10
54+50	56+00		50	38	22	16
56+00	60+00	254			11	-11
60+00	60+92.26		32	24		24
<b>TOTAL</b>		<b>324</b>	<b>82</b>	<b>62</b>	<b>47</b>	<b>15</b>

- EARTHWORK NOTES:  
 1. ESTIMATED SHRINKAGE FACTOR = 25%.

REVISIONS									
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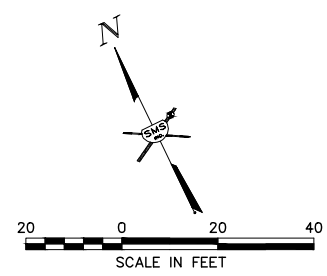
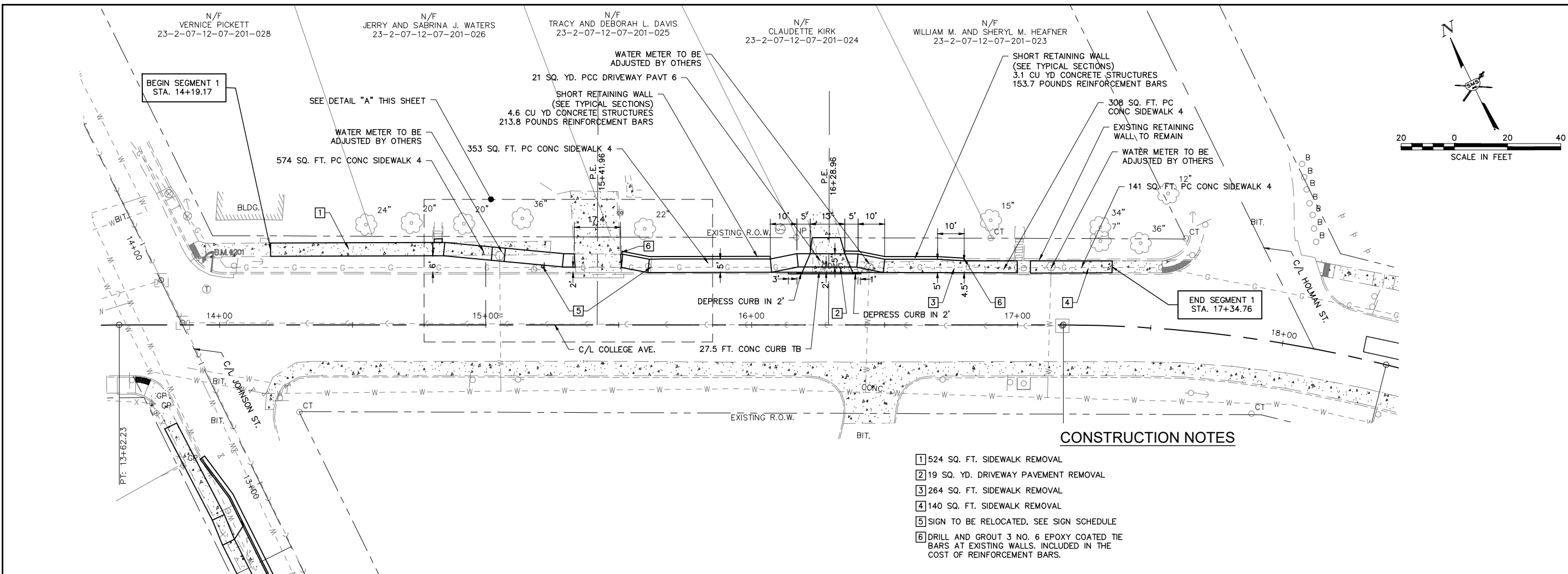
**SMS** Sheppard, Morgan & Schwaab, Inc.  
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CITY OF ALTON, ILLINOIS  
 SECTION 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 SCHEDULES

CONTRACT NO.  
97774

REF. BK. PG.  
 JOB NO. 500068  
 DSN. BY: DEG  
 DWN. BY: CDP  
 CHK. BY: DEG  
 DATE: JAN, 2022

SCALE:  
 SHEET 6 OF 33

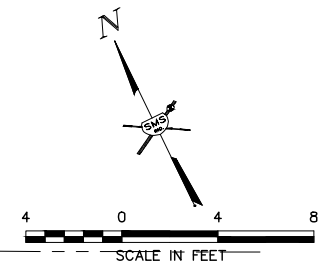
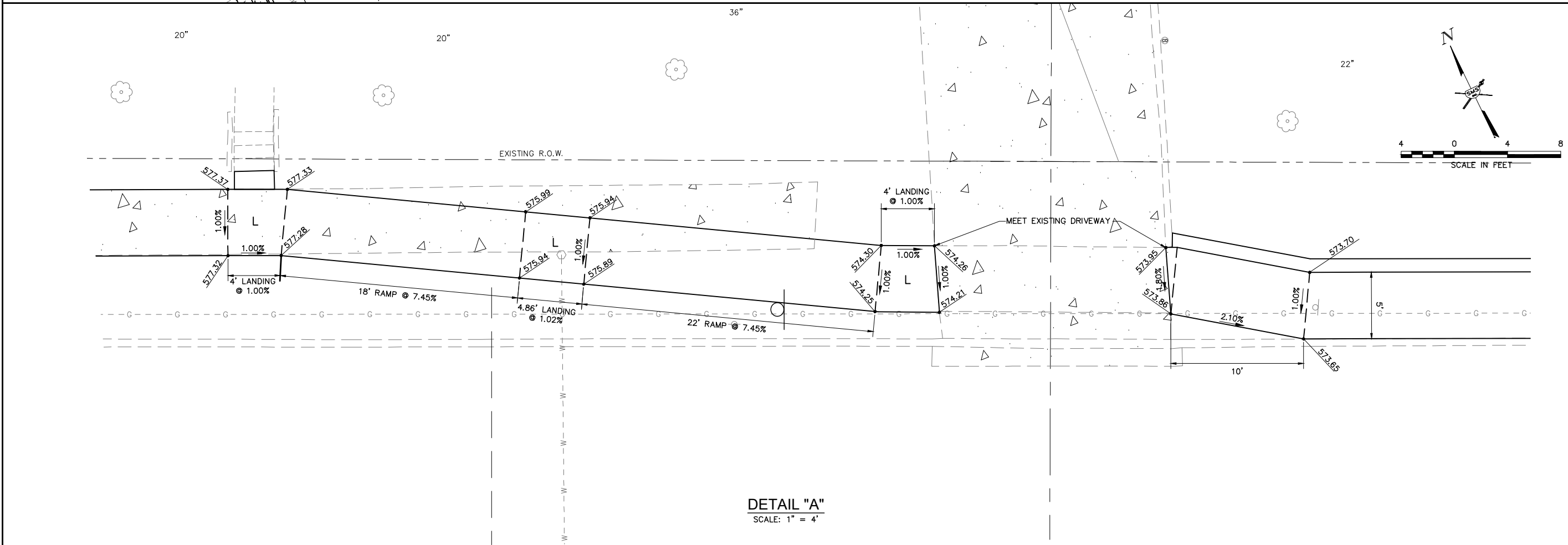


**CONSTRUCTION NOTES**

- 1 524 SQ. FT. SIDEWALK REMOVAL
- 2 19 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
- 3 264 SQ. FT. SIDEWALK REMOVAL
- 4 140 SQ. FT. SIDEWALK REMOVAL
- 5 SIGN TO BE RELOCATED, SEE SIGN SCHEDULE
- 6 DRILL AND GROUT 3 NO. 6 EPOXY COATED TIE BARS AT EXISTING WALLS. INCLUDED IN THE COST OF REINFORCEMENT BARS.

NO.	REVISIONS

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**DETAIL "A"**  
 SCALE: 1" = 4'

CITY OF ALTON, ILLINOIS  
 SECTION 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 SEGMENT 1 - PLAN

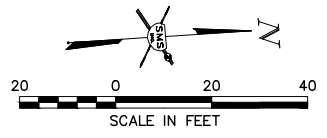
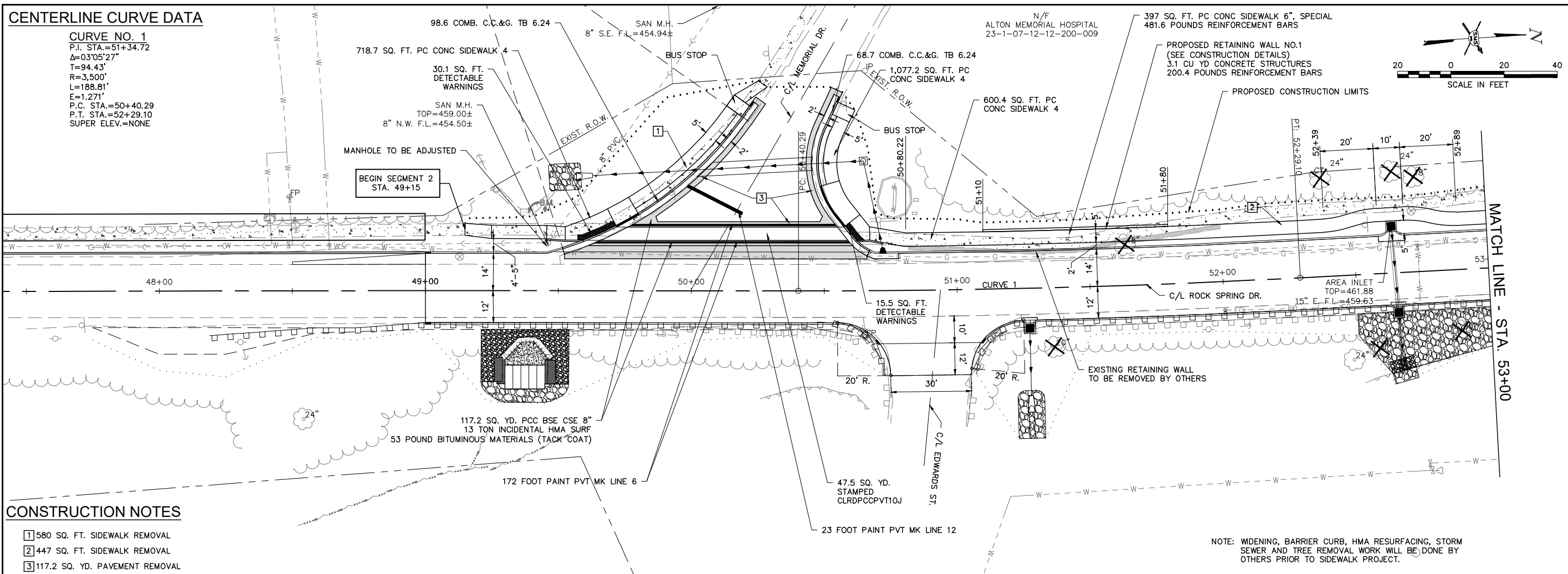
CONTRACT NO.  
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REF. BK.	PG.
JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	
SCALE: 1" = 20'	
1" = 4'	
SHEET 7 OF 33	



**CENTERLINE CURVE DATA**

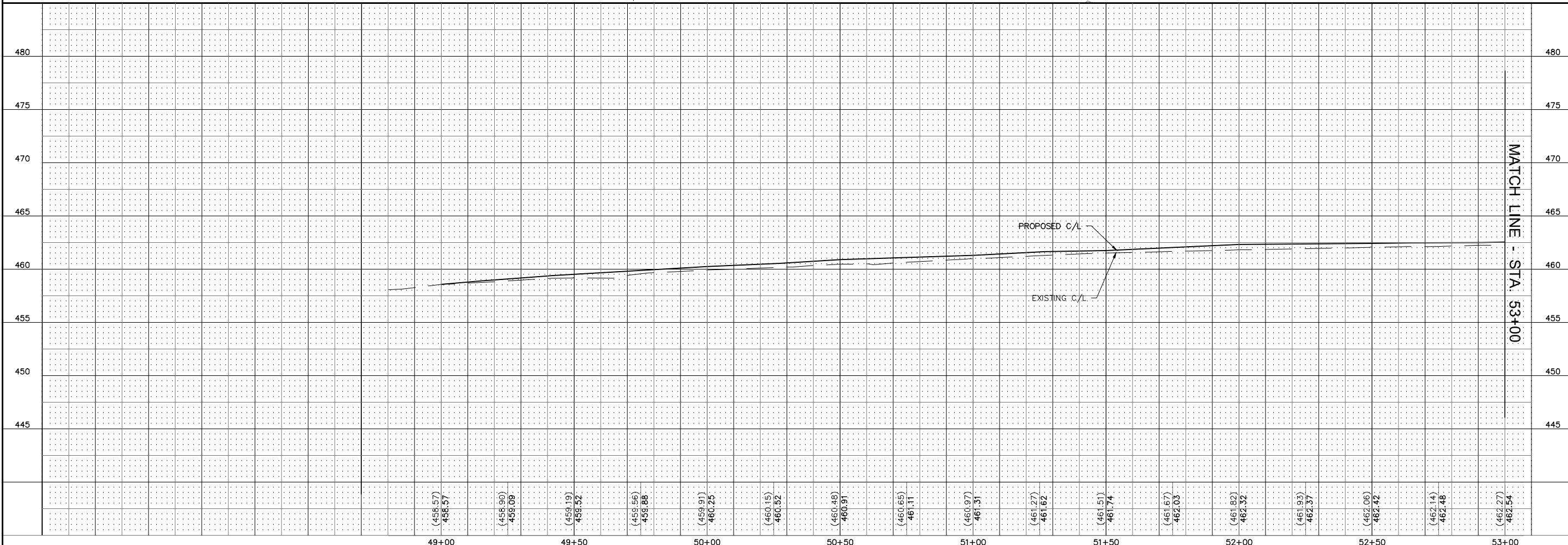
**CURVE NO. 1**  
 P.I. STA.=51+34.72  
 $\Delta=03^{\circ}05'27''$   
 T=94.43'  
 R=3,500'  
 L=188.81'  
 E=1.271'  
 P.C. STA.=50+40.29  
 P.T. STA.=52+29.10  
 SUPER ELEV.=NONE



**CONSTRUCTION NOTES**

- 1 580 SQ. FT. SIDEWALK REMOVAL
- 2 447 SQ. FT. SIDEWALK REMOVAL
- 3 117.2 SQ. YD. PAVEMENT REMOVAL

NOTE: WIDENING, BARRIER CURB, HMA RESURFACING, STORM SEWER AND TREE REMOVAL WORK WILL BE DONE BY OTHERS PRIOR TO SIDEWALK PROJECT.



49+00	(458.57)	458.57	(458.90)	458.09	(459.19)	458.52	(459.56)	458.88	(459.91)	460.25	(460.15)	460.52	(460.48)	460.91	(460.65)	461.11	(460.97)	461.31	(461.27)	461.62	(461.51)	461.74	(461.67)	462.03	(461.82)	462.32	(461.93)	462.37	(462.06)	462.42	(462.14)	462.48	(462.27)	462.54
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REVISIONS

**SMS ENGINEERS**  
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 CONSULTING ENGINEERS AND LAND SURVEYORS  
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CITY OF ALTON, ILLINOIS  
 SECTION 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 SEGMENT 2 - PLAN AND PROFILE

CONTRACT NO.  
 97774

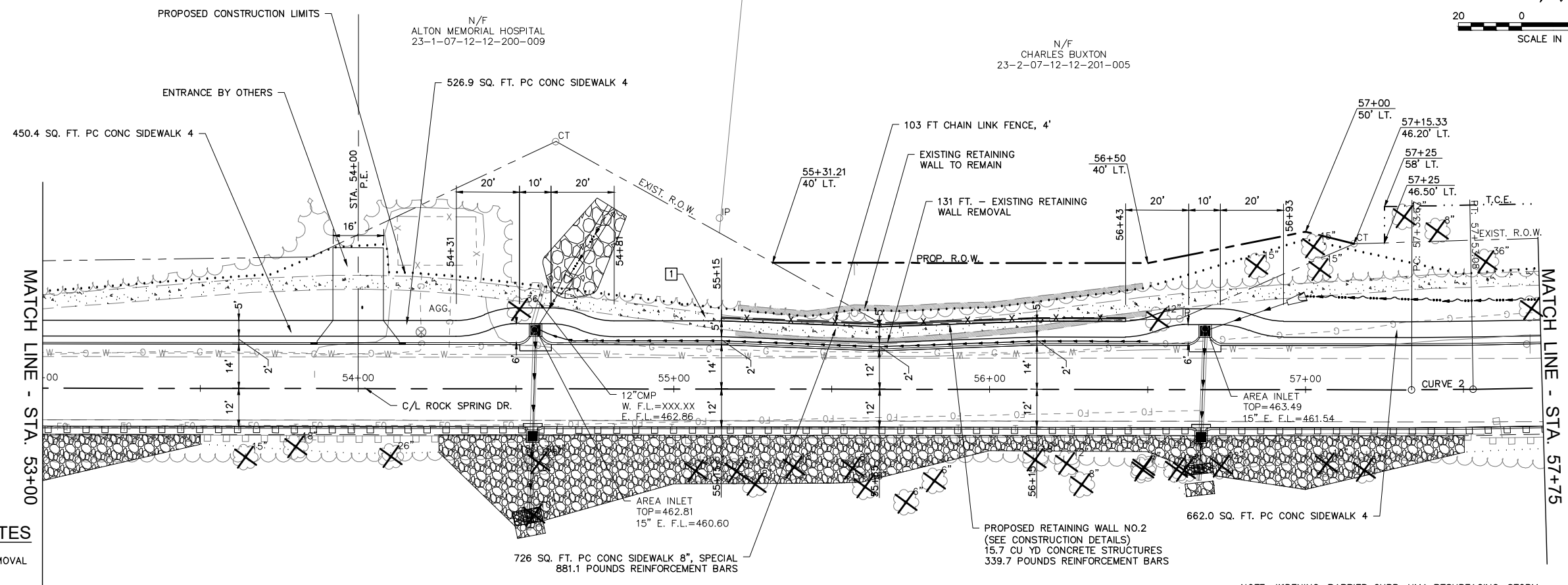
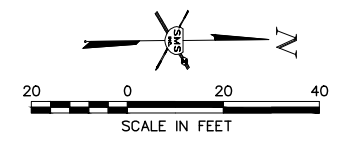
REF. BK. PG.  
 JOB NO. 500068  
 DSN. BY: DEG  
 DWN. BY: CDP  
 CHK. BY: DEG  
 DATE: JAN, 2022

SCALE: 1" = 20'

SHEET 8 OF 33

**CENTERLINE CURVE DATA**

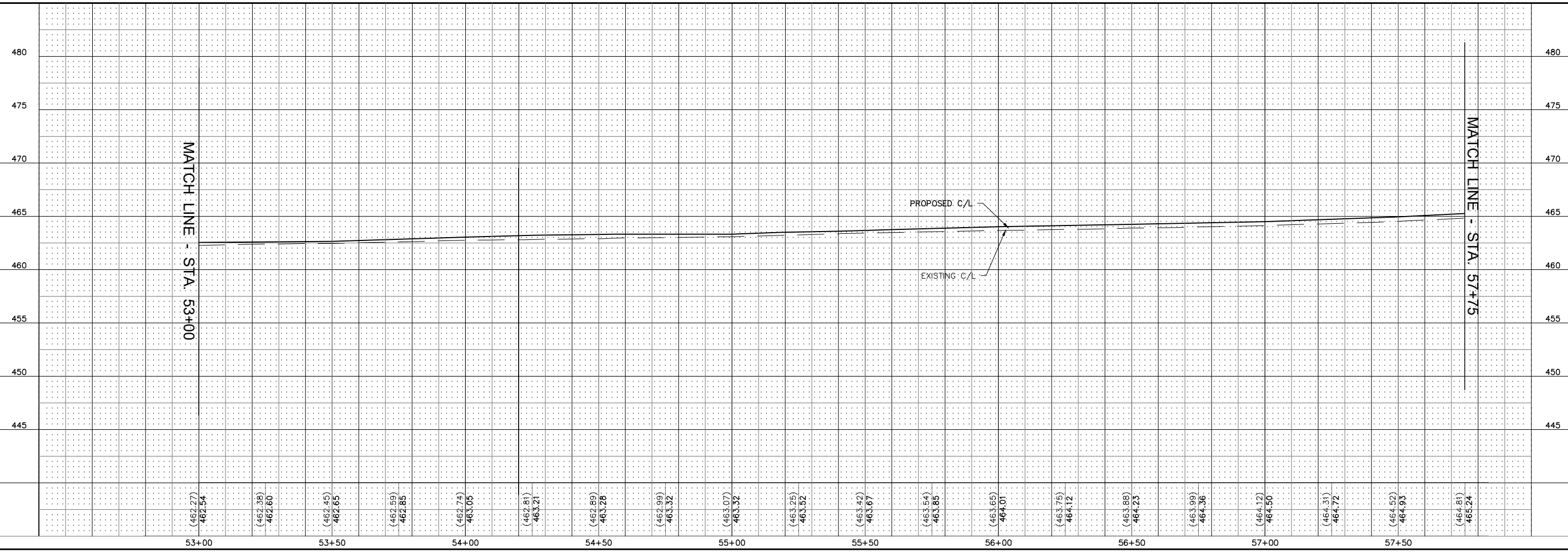
CURVE NO. 2  
 P.I. STA.=57+43.38  
 $\Delta=01'06''45$   
 $T=9.71'$   
 $R=1,000'$   
 $L=19.42'$   
 $E=0.05'$   
 P.C. STA.=57+33.67  
 P.T. STA.=57+53.08  
 SUPER ELEV.=NONE



**CONSTRUCTION NOTES**

1] 1,689 SQ. FT. SIDEWALK REMOVAL

NOTE: WIDENING, BARRIER CURB, HMA RESURFACING, STORM SEWER AND TREE REMOVAL WORK WILL BE DONE BY OTHERS PRIOR TO SIDEWALK PROJECT.



REVISIONS

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CITY OF ALTON, ILLINOIS  
 SECTION 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 SEGMENT 2 - PLAN AND PROFILE

CONTRACT NO.  
 97774

REF. BK.	PG.
JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	

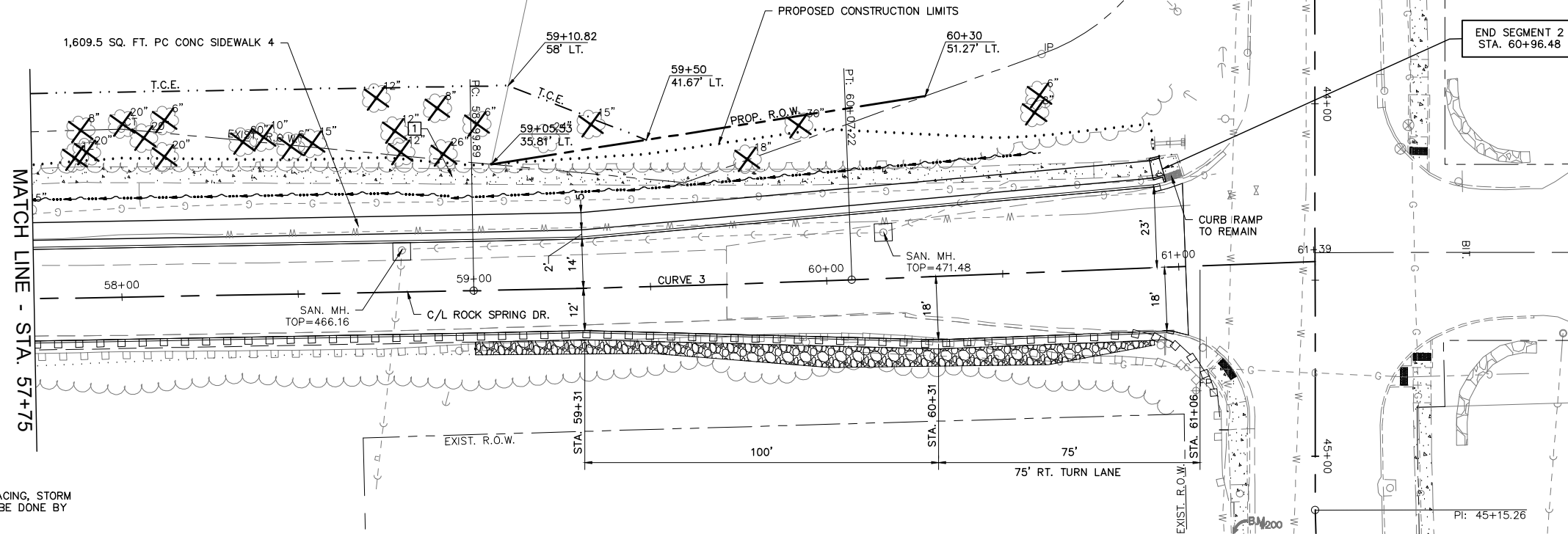
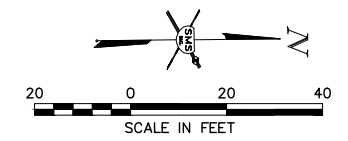
SCALE: 1" = 20'

**CENTERLINE CURVE DATA**

**CURVE NO. 3**  
 P.I. STA.=51+34.72  
 $\Delta=01^{\circ}13'48''$   
 $T=53.67'$   
 $R=5,000'$   
 $L=107.33'$   
 $E=0.29'$   
 P.C. STA.=58+99.89  
 P.T. STA.=60+07.22  
 SUPER ELEV.=NONE

N/F  
 CHARLES BUXTON  
 23-2-07-12-201-005

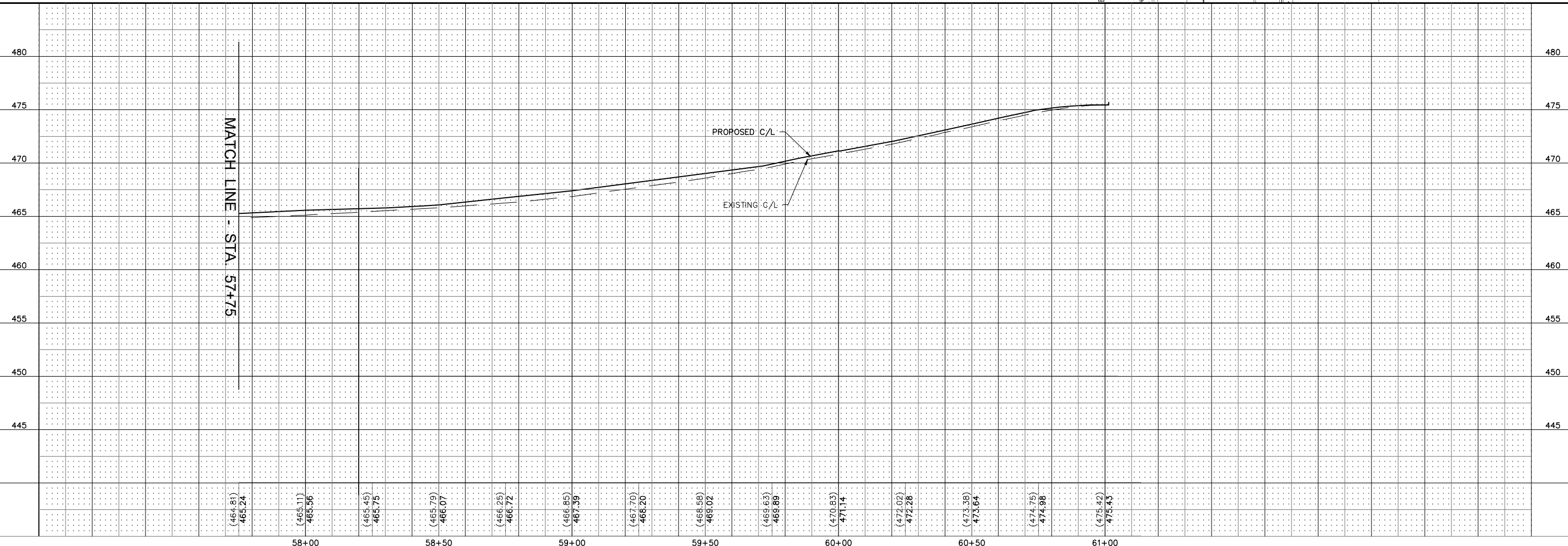
N/F  
 RICHARD D. AND JOAN M. NORMAN  
 23-2-07-12-201-004



**CONSTRUCTION NOTES**

1 1,440 SQ. FT. SIDEWALK REMOVAL

NOTE: WIDENING, BARRIER CURB, HMA RESURFACING, STORM SEWER AND TREE REMOVAL WORK WILL BE DONE BY OTHERS PRIOR TO SIDEWALK PROJECT.



REVISIONS


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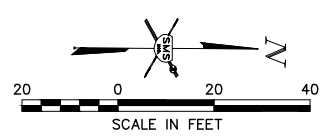
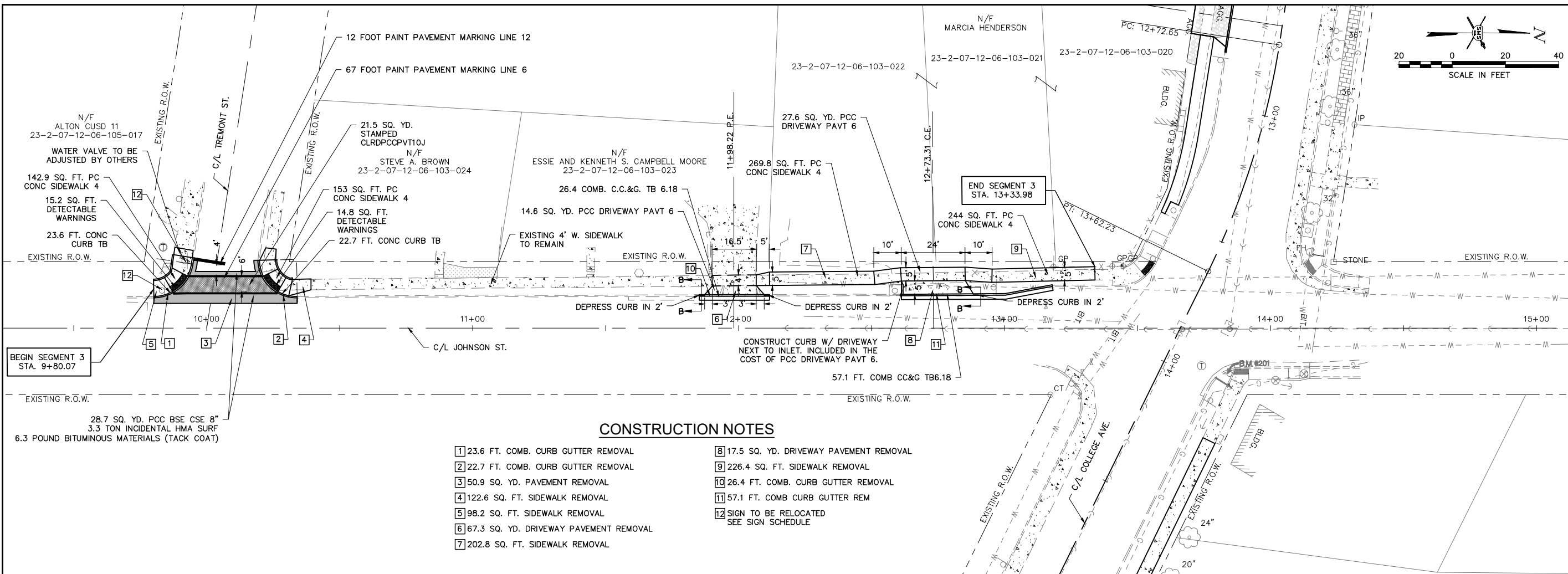
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REF. BK. PG.  
 JOB NO. 500068  
 DSN. BY: DEG  
 DWN. BY: CDP  
 CHK. BY: DEG  
 DATE: JAN, 2022

SCALE: 1" = 20'

SHEET 10 OF 33

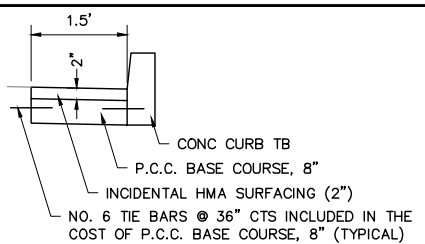




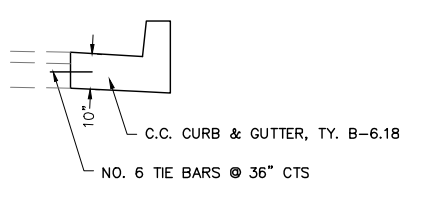
**CONSTRUCTION NOTES**

- |  |   |
|--|---|
| 1 23.6 FT. COMB. CURB GUTTER REMOVAL     | 8 17.5 SQ. YD. DRIVEWAY PAVEMENT REMOVAL  |
| 2 22.7 FT. COMB. CURB GUTTER REMOVAL     | 9 226.4 SQ. FT. SIDEWALK REMOVAL          |
| 3 50.9 SQ. YD. PAVEMENT REMOVAL          | 10 26.4 FT. COMB. CURB GUTTER REMOVAL     |
| 4 122.6 SQ. FT. SIDEWALK REMOVAL         | 11 57.1 FT. COMB CURB GUTTER REM          |
| 5 98.2 SQ. FT. SIDEWALK REMOVAL          | 12 SIGN TO BE RELOCATED SEE SIGN SCHEDULE |
| 6 67.3 SQ. YD. DRIVEWAY PAVEMENT REMOVAL |   |
| 7 202.8 SQ. FT. SIDEWALK REMOVAL         |   |

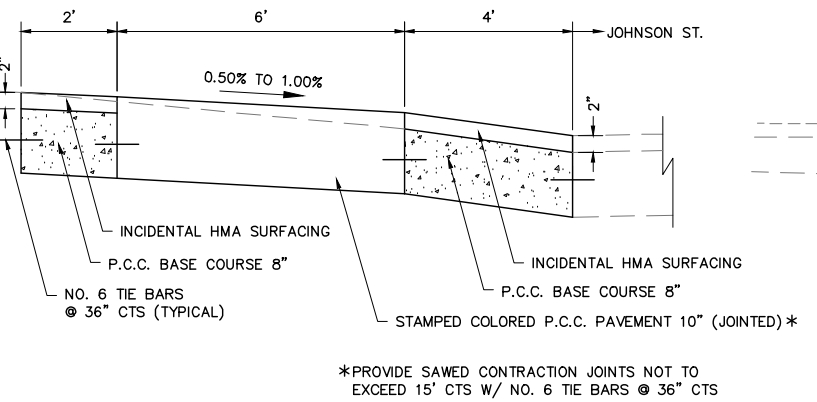
**SECTION A-A**



**SECTION B-B**



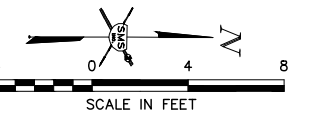
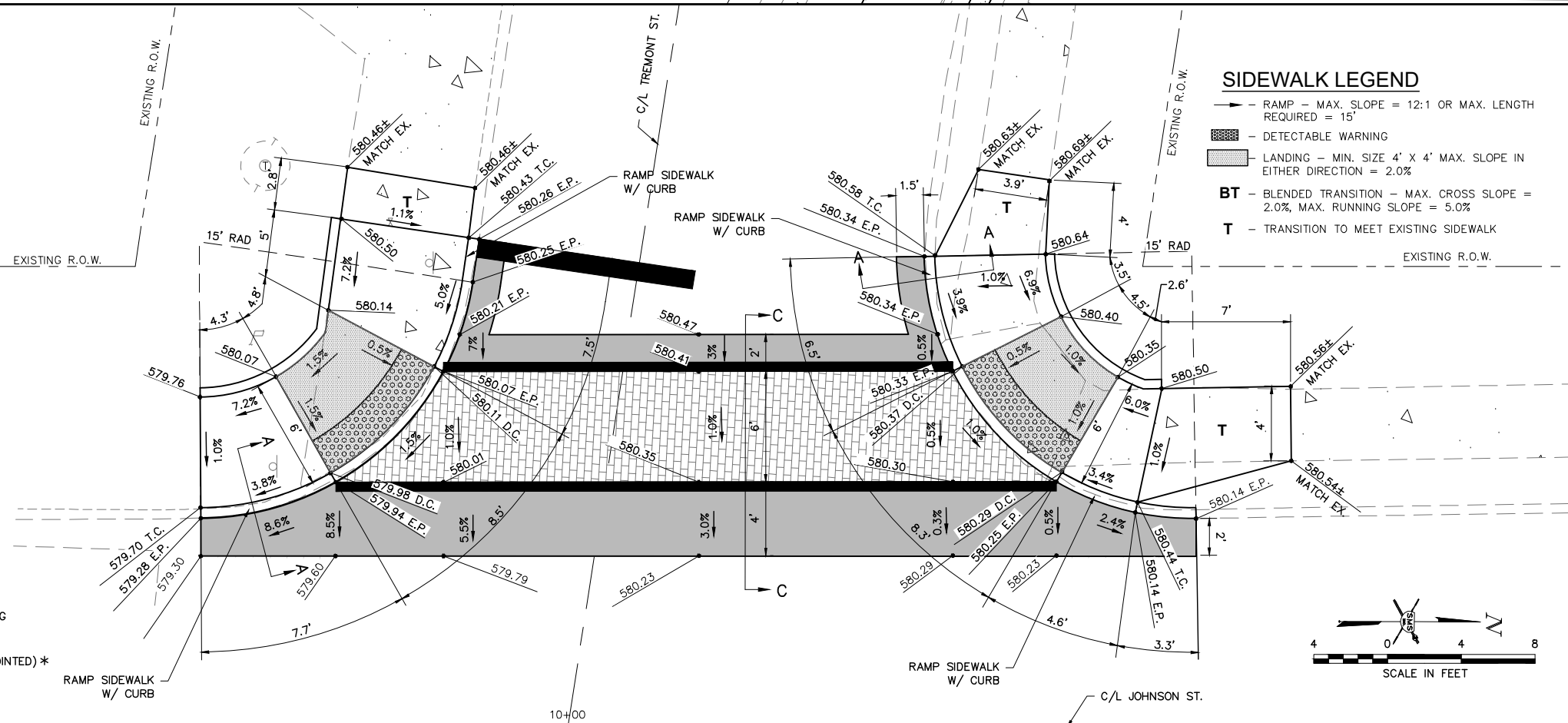
**SECTION C-C**



\*PROVIDE SAWED CONTRACTION JOINTS NOT TO EXCEED 15' CTS W/ NO. 6 TIE BARS @ 36" CTS

**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

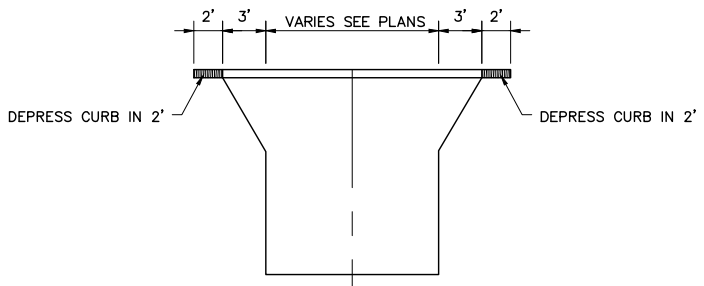
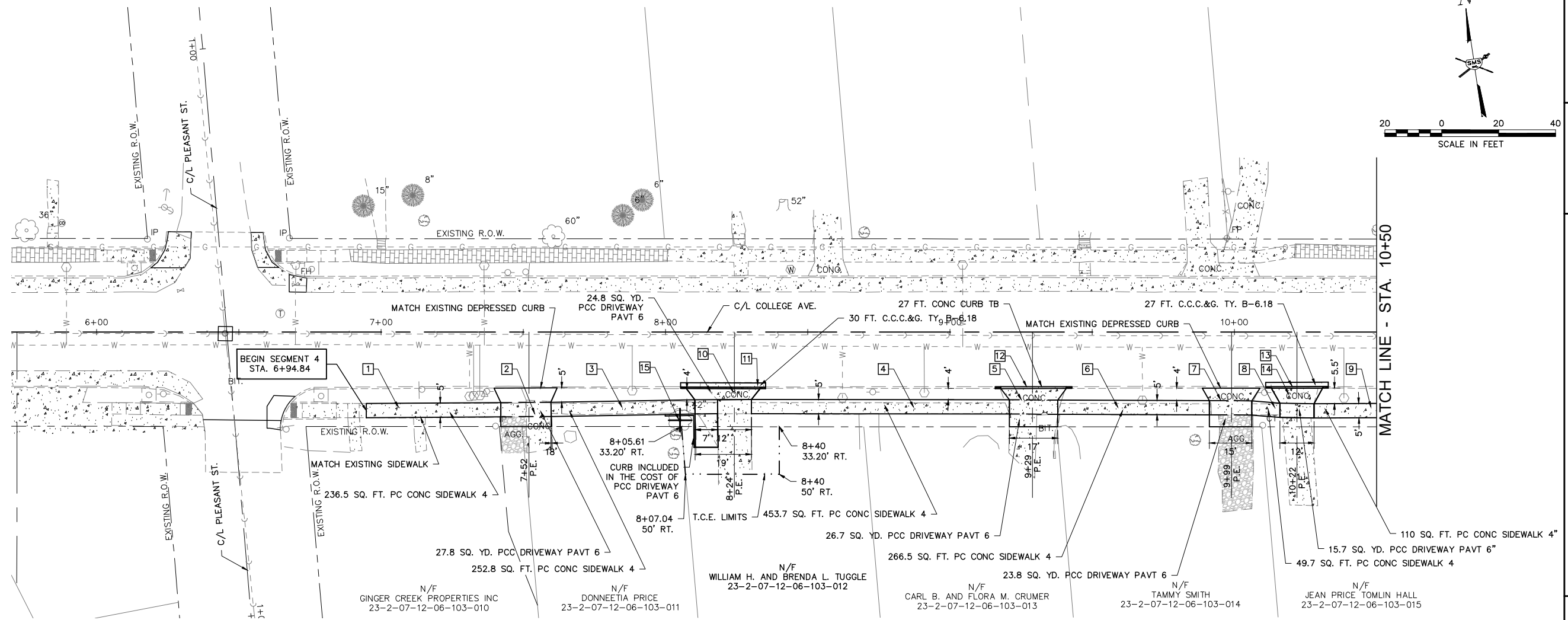
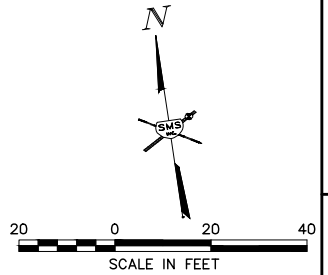


REVISIONS
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CITY OF ALTON, ILLINOIS  
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SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 3 - PLAN

CONTRACT NO.	97774
REF. BK.	PG.
JOB NO.	500068
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	JAN, 2022
SCALE:	1" = 20' 1" = 4'
SHEET	11 OF 33



TYPICAL DRIVEWAY DETAIL

CONSTRUCTION NOTES

- 1 282 SQ. FT. SIDEWALK REMOVAL
- 2 14.1 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
- 3 222 SQ. FT. SIDEWALK REMOVAL
- 4 352 SQ. FT. SIDEWALK REMOVAL
- 5 28.2 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
- 6 209 SQ. FT. SIDEWALK REMOVAL
- 7 16.7 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
- 8 41 SQ. FT. SIDEWALK REMOVAL
- 9 116 SQ. FT. SIDEWALK REMOVAL
- 10 6.6 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
- 11 30 FT. COMB CURB GUTTER REM
- 12 27 FT. CURB REMOVAL
- 13 22 FT. COMB CURB GUTTER REM
- 14 15.2 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
- 15 TREE REMOVAL BY OTHERS

NO.	DESCRIPTION

**SMS ENGINEERS** Sheppard, Morgan & Schwab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Market Street, Alton, IL 62002 618.465.9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

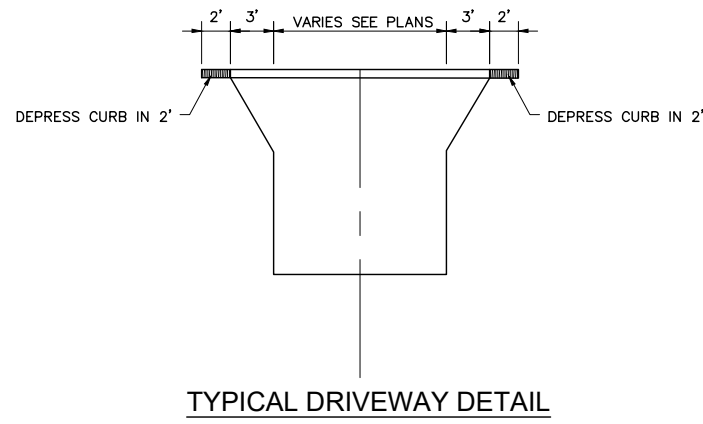
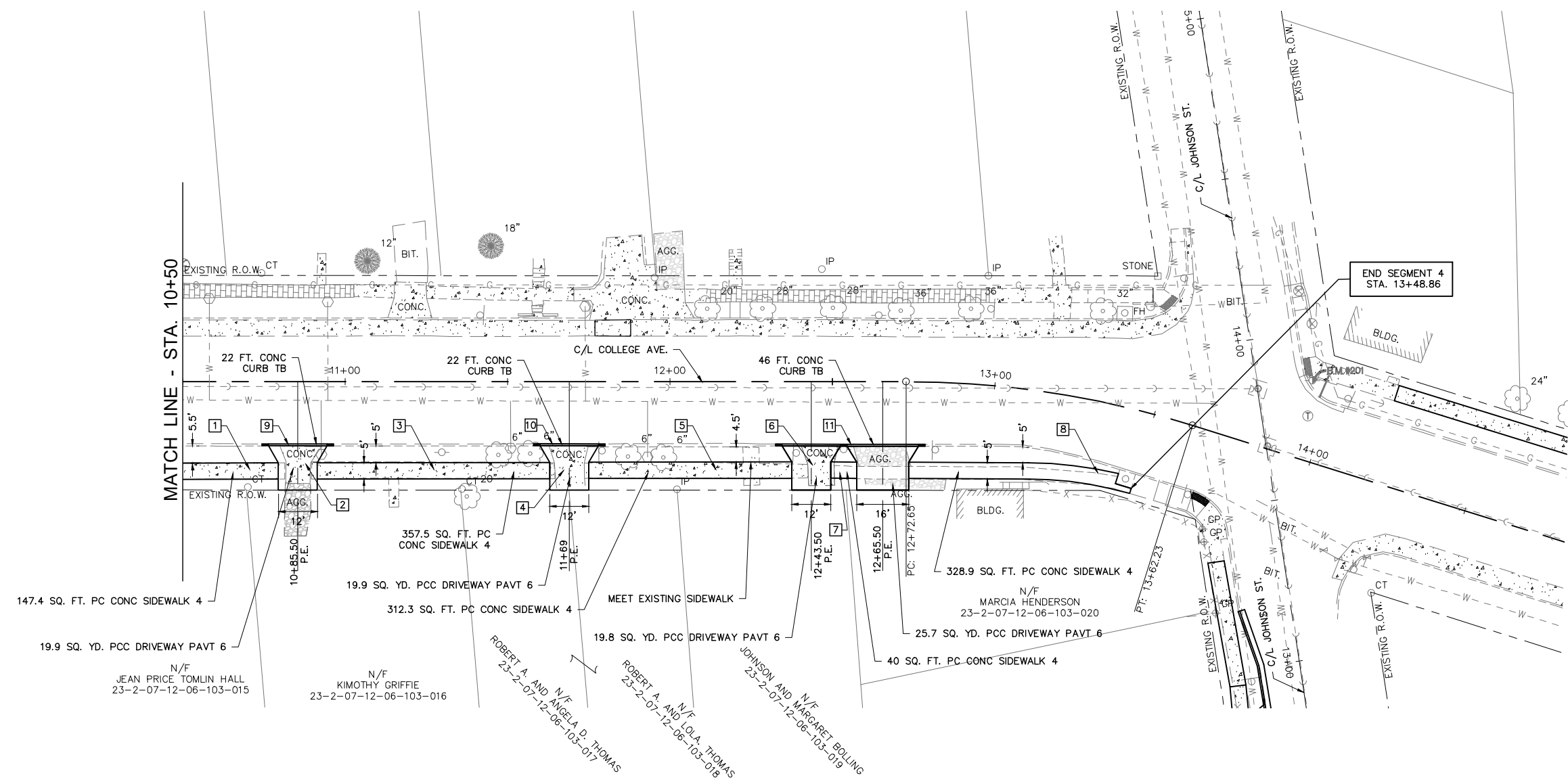
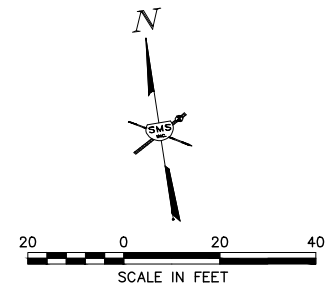
CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 4 - PLAN

CONTRACT NO. 97774

REF. BK.	PG.
JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	

SCALE: 1" = 20'

SHEET 12 OF 33



- CONSTRUCTION NOTES**
- 1 164 SQ. FT. SIDEWALK REMOVAL
  - 2 111.0 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
  - 3 379 SQ. FT. SIDEWALK REMOVAL
  - 4 14.6 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
  - 5 338 SQ. FT. SIDEWALK REMOVAL
  - 6 11.9 SQ. YD. DRIVEWAY PAVEMENT REMOVAL
  - 7 36 SQ. FT. SIDEWALK REMOVAL
  - 8 341 SQ. FT. SIDEWALK REMOVAL
  - 9 22 FT. CURB REMOVAL
  - 10 22 FT. CURB REMOVAL
  - 11 46 FT. CURB REMOVAL

NO.	DESCRIPTION

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

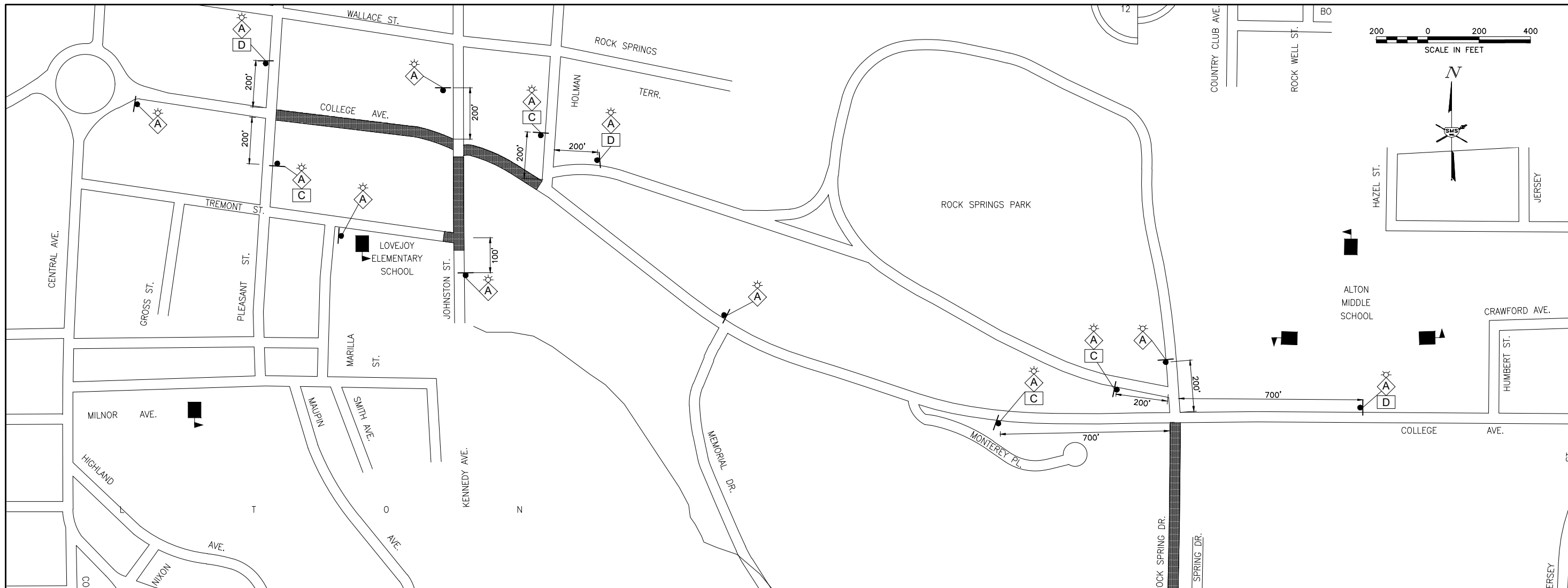
CITY OF ALTON, ILLINOIS  
 SECTION 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 SEGMENT 4 - PLAN

CONTRACT NO.  
 97774

REF. BK.	PG.
JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	

SCALE: 1" = 20'  
 SHEET 13 OF 33



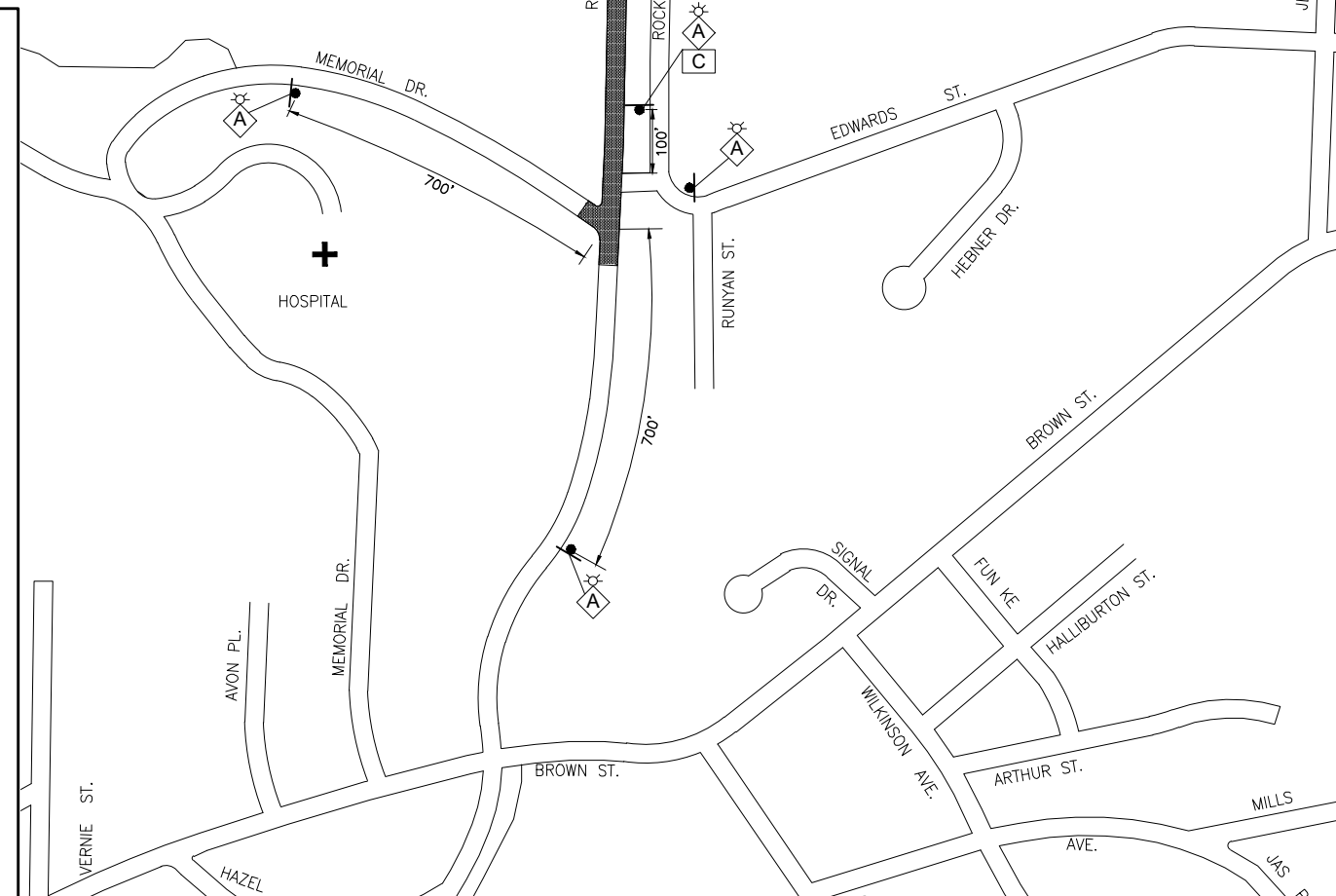


**TRAFFIC CONTROL LEGEND**

- 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 "ROCK SPRINGS DR. CLOSED AHEAD" W20 36" x 36"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN "ROAD CLOSED" R11-2 48" X 30"
- SIGN "ROAD CLOSED AHEAD" W20-3(0)-36
- SIGN "ROCK SPRINGS DR." BLACK LETTERS ON ORANGE BACKGROUND 24" x 24"
- SIGN BLACK LETTERS ON ORANGE BACKGROUND 30" x 24"
- SIGN M4-9R 30" x 24"
- SIGN M4-9L 30" x 24"
- HOSPITAL SIGN D9-2 WHITE LETTER ON BLUE BACKGROUND 24" x 24"

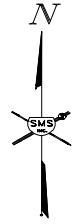
**TRAFFIC CONTROL NOTES**

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. EXCEPT AS OTHERWISE PROVIDED FOR COLLEGE AVE., JOHNSON ST., TREMONT ST., ROCK SPRINGS DR., AND MEMORIAL DR. SHALL REMAIN OPEN TO THRU TRAFFIC AT ALL TIMES. ONE TRAFFIC LANE 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. WHEN A 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.
4. MEMORIAL DR. MAY BE CLOSED TO TRAFFIC FOR CROSSWALK CONSTRUCTION. WHEN THIS STREET IS CLOSED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE TRAFFIC DETOUR PLAN. ADDITIONAL TYPE III BARRICADES, MINIMUM ONE PER TRAFFIC LANE, SHALL BE PROVIDED ON BOTH SIDES OF CROSSWALK.
5. TREMONT ST. MAY BE CLOSED TO TRAFFIC FOR CROSSWALK CONSTRUCTION ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED INCLUDING TYPE III BARRICADES, MINIMUM ONE PER TRAFFIC LANE, ON BOTH SIDES OF THE CROSSWALK WITH "ROAD CLOSED" SIGNS ON BOTH SIDES AND A "ROAD CLOSED AHEAD" SIGN PROVIDED ONE BLOCK TO THE WEST.
6. FOR SIDEWALK REMOVAL AND REPLACEMENT, TRAFFIC CONTROL FOR SIDEWALK CLOSURES SHALL BE PROVIDED PER HIGHWAY STANDARD 701801.
7. 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.
8. 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.
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.



<p>REVISIONS</p>	<p><b>SMS</b> Sheppard, Morgan &amp; Schwab, Inc. CONSULTING ENGINEERS AND LAND SURVEYORS 215 Market Street P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsengineers.com</p> <p><b>ENGINEERS</b></p> <p>DESIGN FIRM # 184-000992</p>												
<p>CITY OF ALTON, ILLINOIS SECTION 17-00231-02-SW SAFE ROUTES TO SCHOOL - PHASE 2 GENERAL TRAFFIC CONTROL PLAN</p>													
<p>CONTRACT NO. 97774</p>													
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REF. BK.	PG.												
JOB NO. 500068													
DSN. BY: DEG													
DWN. BY: CDP													
CHK. BY: DEG													
DATE: JAN, 2022													
<p>SCALE: 1" = 200'</p>													
<p>SHEET 14 OF 33</p>													

300 0 300 600  
SCALE IN FEET



**TRAFFIC CONTROL LEGEND**

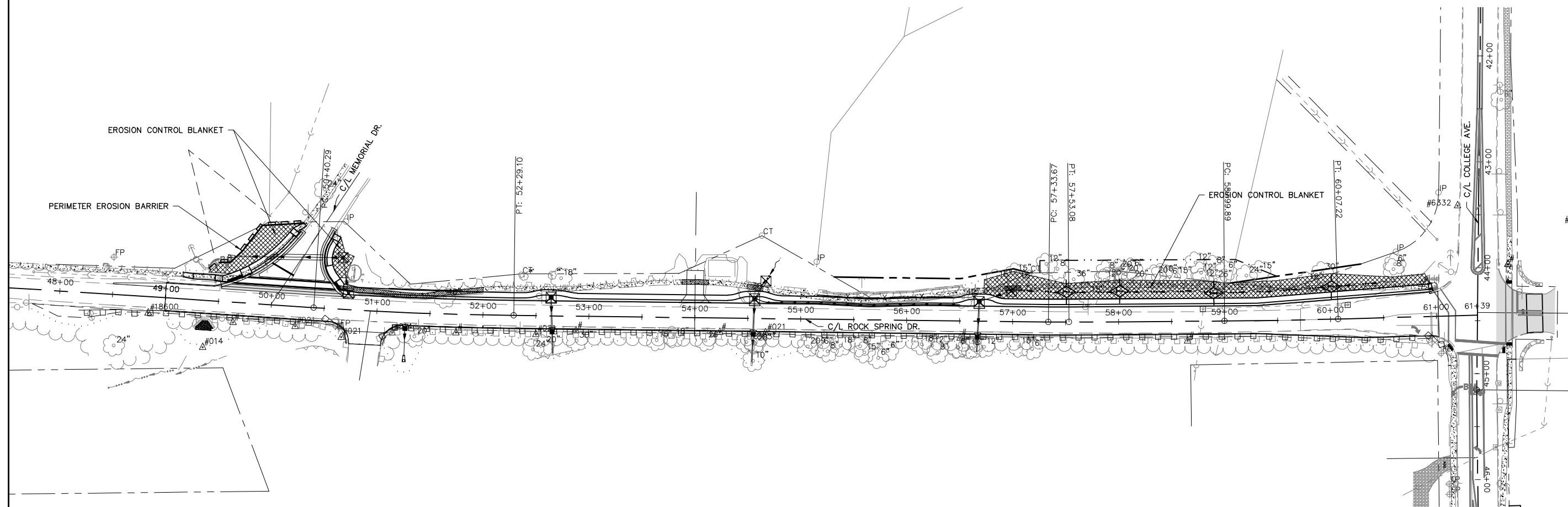
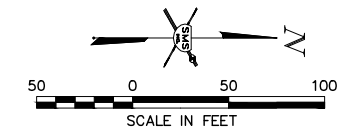
- WORK AREA
- TYPE III BARRICADE WITH REFLECTORIZED STRIPING ON BOTH SIDES WITH FLASHING LIGHTS
- CONE, DRUM OR BARRICADE
- SIGN "ROAD CONSTRUCTION AHEAD" W20-1(0) - 48" x 48" WITH MONODIRECTIONAL FLASHING LIGHT
- SIGN "ROCK SPRINGS DR. CLOSED AHEAD" W20 36" x 36"
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- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN "ROAD CLOSED" R11-2 48" X 30"
- SIGN "ROAD CLOSED AHEAD" W20-3(0)-36
- SIGN "ROCK SPRINGS DR." BLACK LETTERS ON ORANGE BACKGROUND 24" x 24"
- SIGN BLACK LETTERS ON ORANGE BACKGROUND 30" X 24" DETOUR
- SIGN M4-9R 30" x 24" DETOUR
- SIGN M4-9L 30" x 24" DETOUR
- HOSPITAL SIGN D9-2 WHITE LETTER ON BLUE BACKGROUND 24" x 24"

NO.	DATE	DESCRIPTION

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

**CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
TRAFFIC DETOUR PLAN**

CONTRACT NO. 97774
REF. BK. PG.
JOB NO. 500068
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: JAN, 2022
SCALE: 1" = 300'
SHEET 15 OF 33







**EROSION CONTROL NOTES**

1. EROSION CONTROL ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 280 OF THE I.D.O.T. STANDARD SPECIFICATIONS.
2. THIS PLAN SHOWS GENERAL LAYOUT OF EROSION CONTROL ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL AND THEREFORE SHALL MONITOR THE SITE AND REPAIR, MAINTAIN OR MODIFY THE EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED TO COMPLY WITH REGULATIONS.
3. CONSTRUCTION AND DRIVEWAY ENTRANCES SHALL BE STABILIZED WITH CRUSHED STONE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADWAYS. THIS WORK SHALL BE PAID FOR PER TON FOR AGGREGATE FOR TEMPORARY ACCESS.
4. CONTRACTOR SHALL INSTALL TEMPORARY DITCH CHECKS IN THE FLOW PATHS OF CONCENTRATED STORM WATERS WHERE THERE IS A POTENTIAL FOR EROSION DUE TO CONSTRUCTION SITE ACTIVITIES. DITCH CHECKS PROVIDED SHALL BE PER ARTICLE 280.04 OR OTHER DITCH CHECK MATERIALS ACCEPTABLE TO THE ENGINEER. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY DITCH CHECKS. SPACING OF DITCH CHECKS SHALL DEPEND ON THE HEIGHT OF THE DITCH CHECK AND THE SLOPE OF THE DITCH, ACCORDING TO THE FOLLOWING FORMULA:  

$$\text{DITCH CHECK SPACING (FT.)} = \frac{\text{HEIGHT (FT.)}}{\text{SLOPE (FT./FT.)}}$$

THIS SPACING WILL RESULT IN THE TOP ELEVATION OF THE DITCH CHECK BEING EQUAL TO THE DITCH FLOW LINE ELEVATION AT THE NEXT UPSTREAM DITCH CHECK.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY INLET AND PIPE PROTECTION AT ALL STORM SEWER PIPE AND INLET STRUCTURES AS REQUIRED TO INTERCEPT WATER BORNE SILT AND SEDIMENT AND PREVENT IT FROM ENTERING STORM SEWER SYSTEMS. THIS ITEM MAY CONSIST OF EMBEDDED HAY OR STRAW BALES, SILT FILTER FENCE, SAND BAGS OR OTHER APPROVED METHODS.

**EROSION CONTROL LEGEND**

-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY ENGINEER
-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET
-  TEMPORARY DITCH CHECK

REVISIONS

**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 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 EROSION CONTROL PLAN

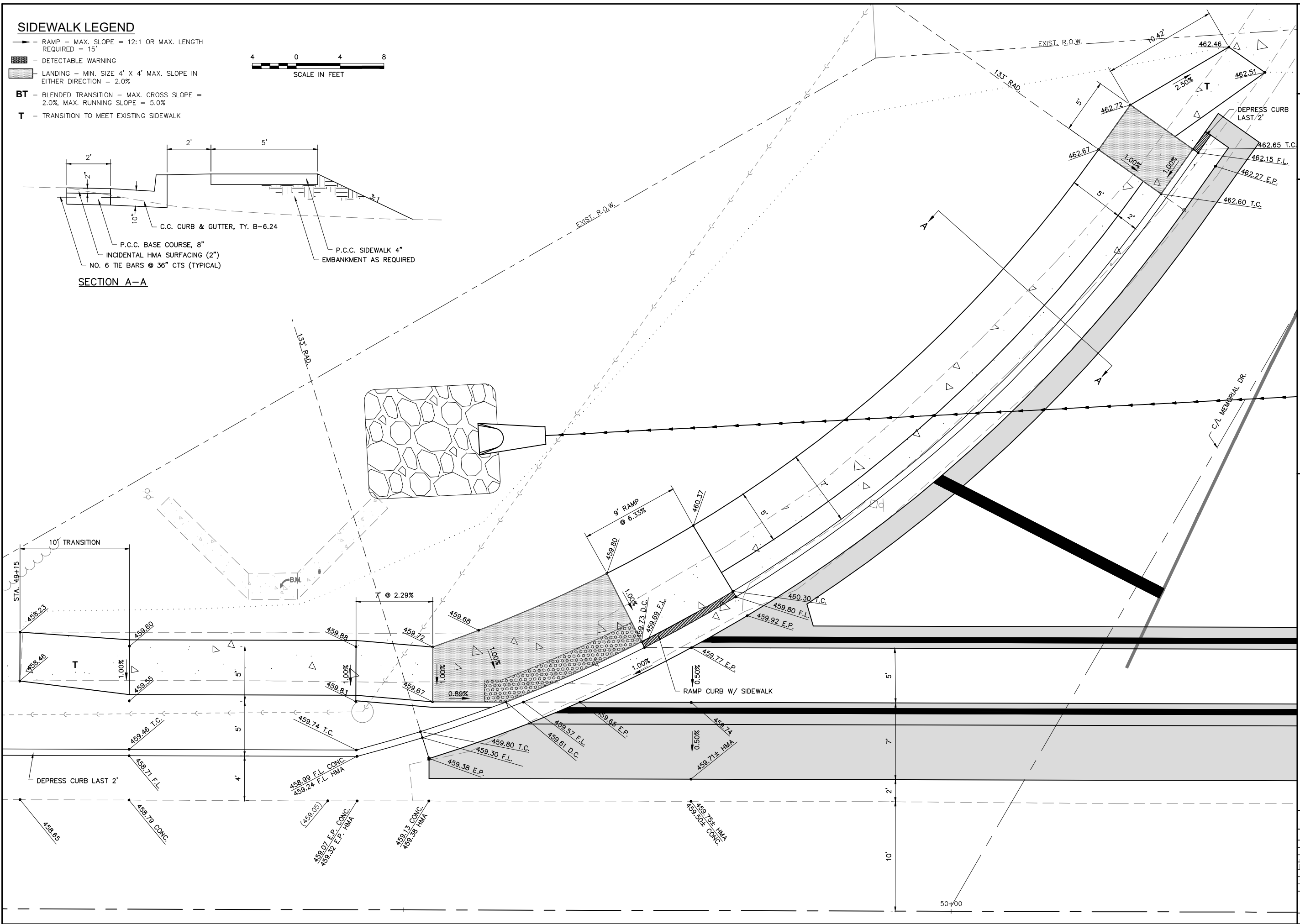
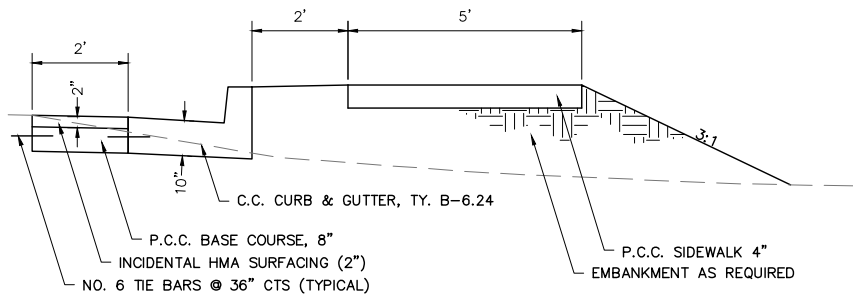
CONTRACT NO.  
 97774

REF. BK.	PG.
JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	

SCALE: 1" = 50'

**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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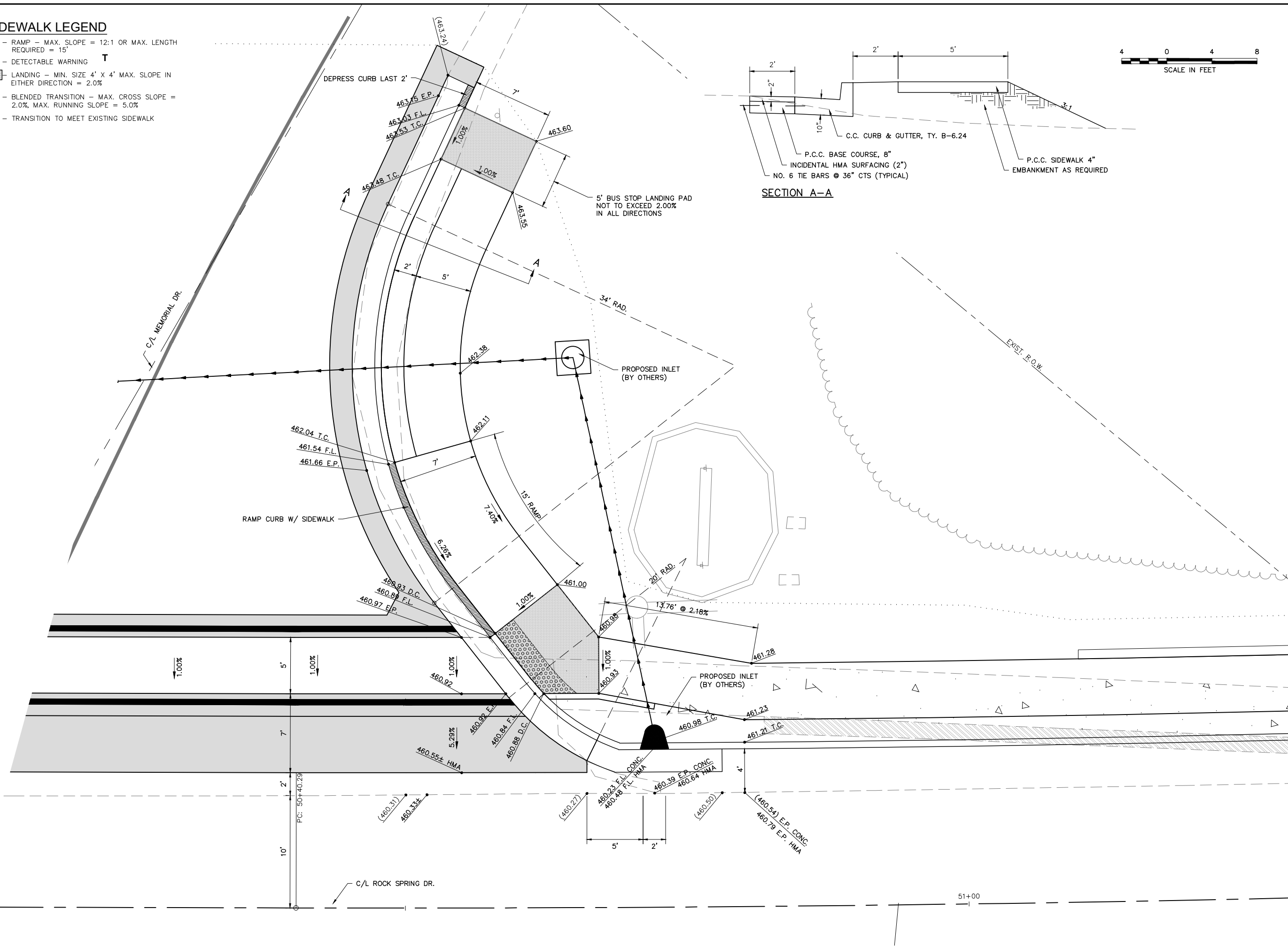
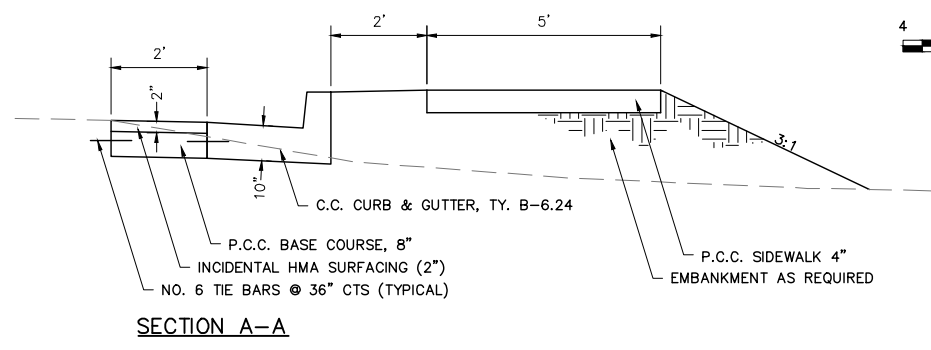
CITY OF ALTON, ILLINOIS  
 SECTION 17-00231-02-SW  
 SAFE ROUTES TO SCHOOL - PHASE 2  
 CONSTRUCTION DETAILS

CONTRACT NO. 97774

REF. BK.	PG.
JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	
SCALE: 1" = 4'	
SHEET 17 OF 33	

**SIDEWALK LEGEND**

- RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING **T**
- ▨ 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

**SMS ENGINEERS**

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CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
CONSTRUCTION DETAILS

CONTRACT NO. 97774	
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JOB NO. 500068	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: JAN, 2022	
SCALE: 1" = 4'	
SHEET 18 OF 33	

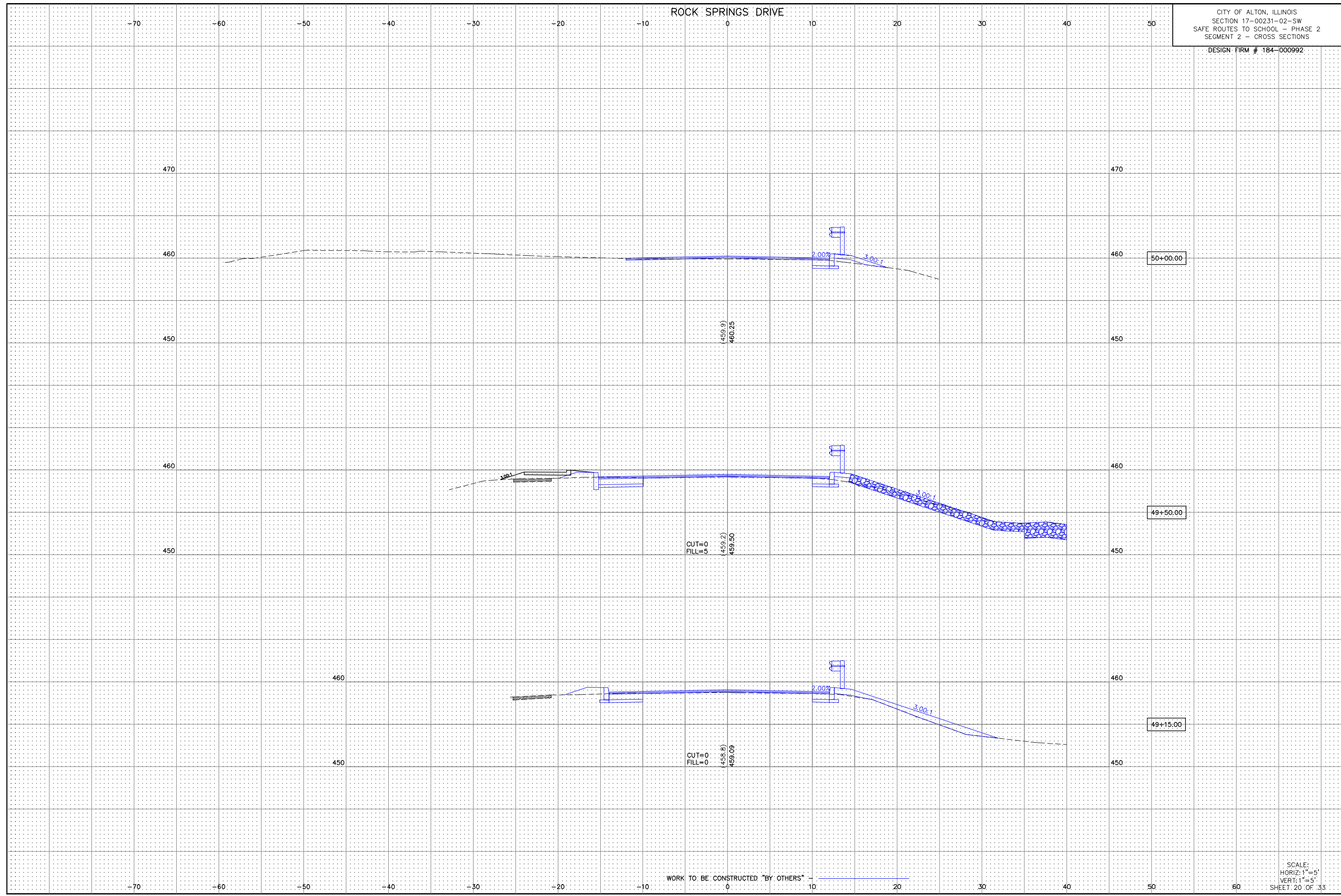




ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



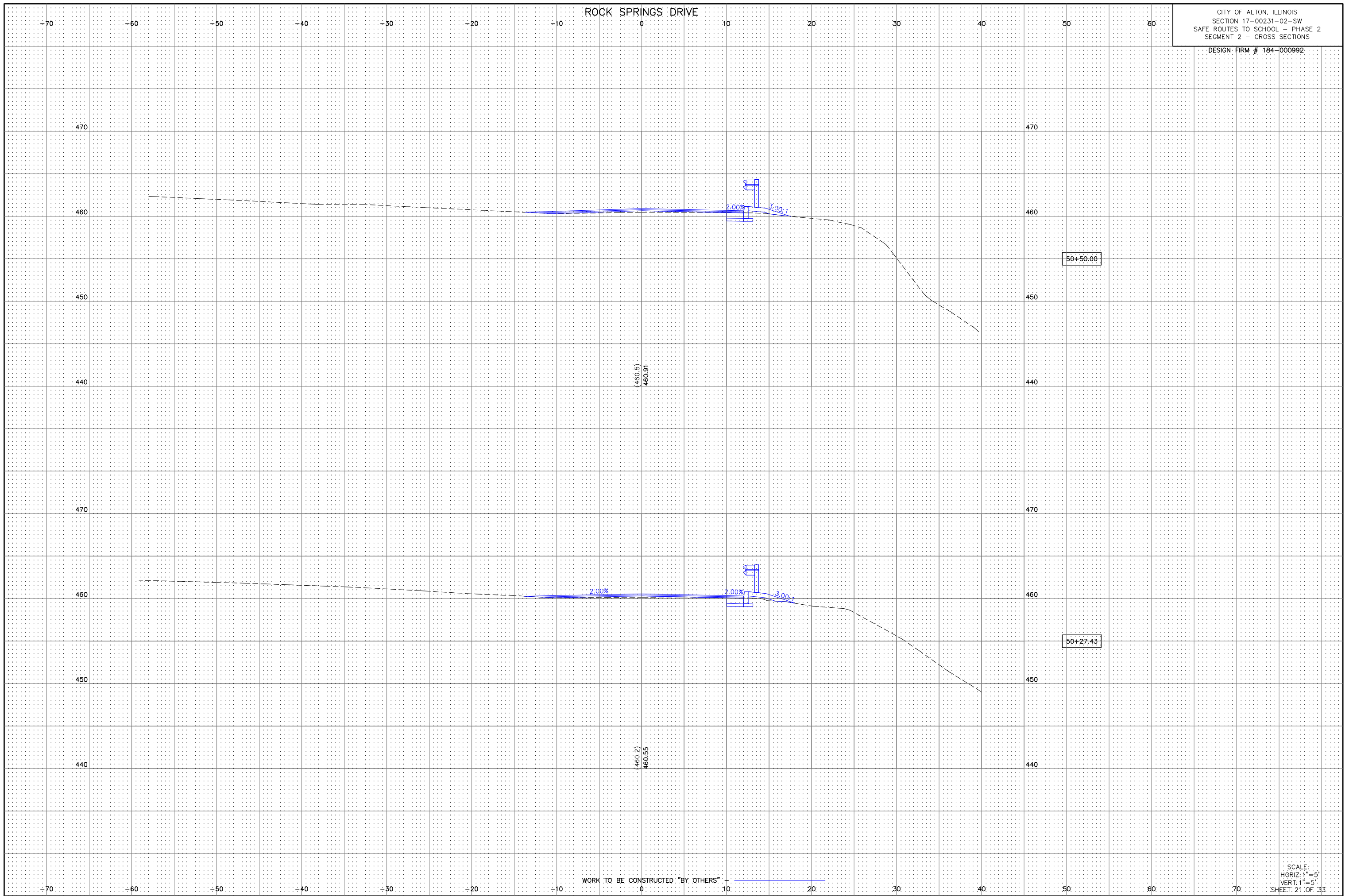
WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET: 20 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992

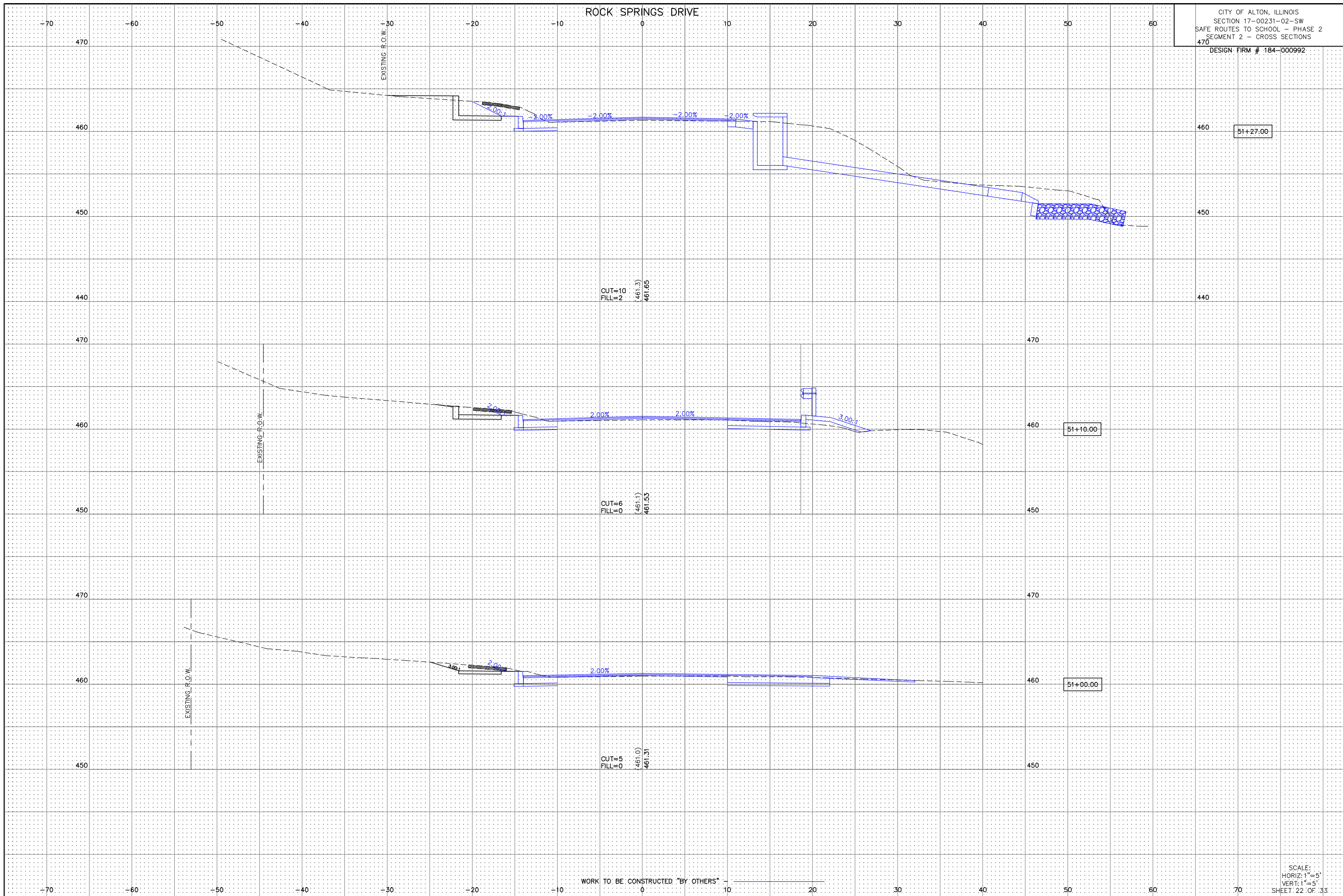


WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET 21 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS  
DESIGN FIRM # 184-000992



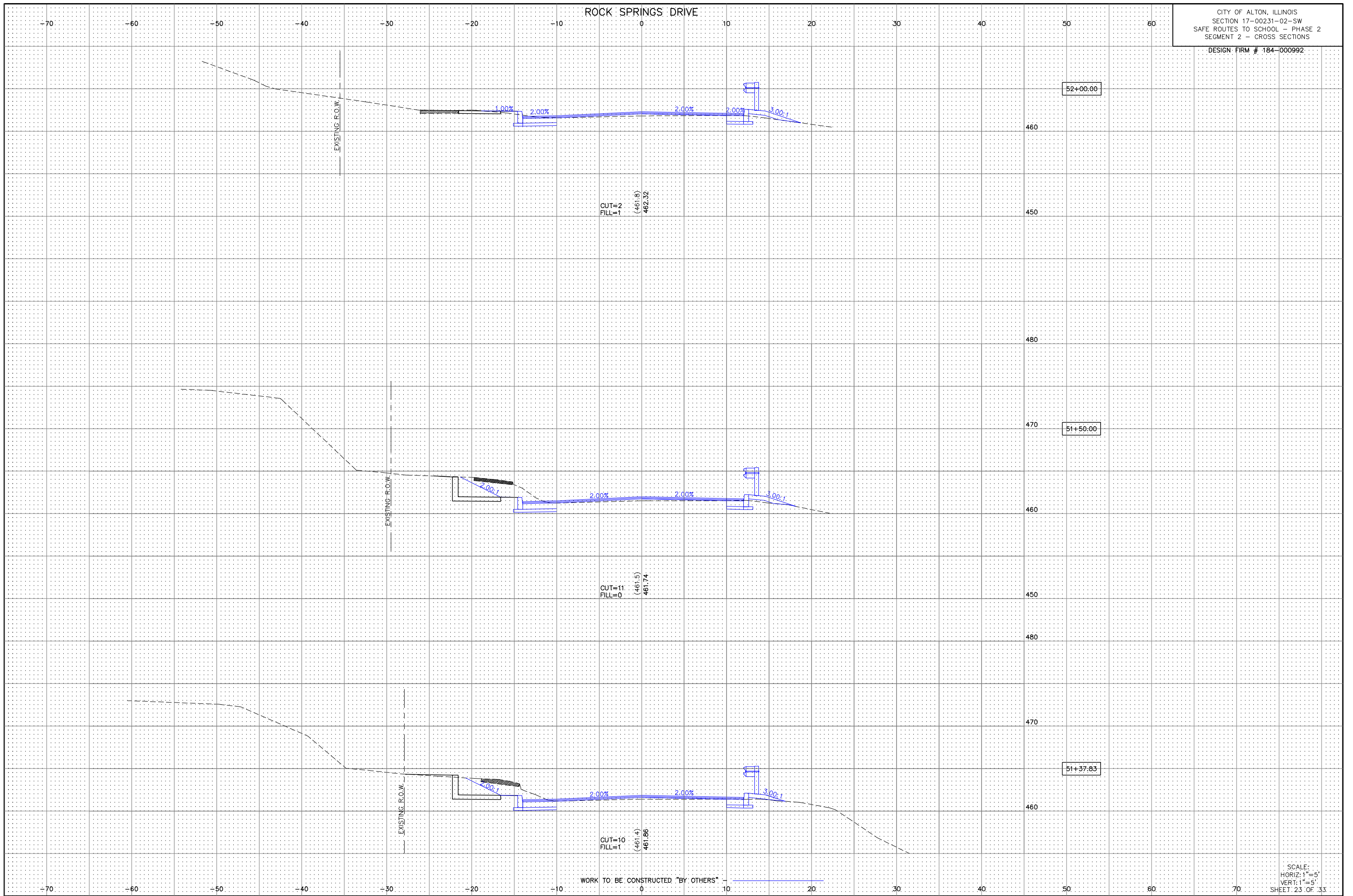
WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET: 22 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



WORK TO BE CONSTRUCTED "BY OTHERS"

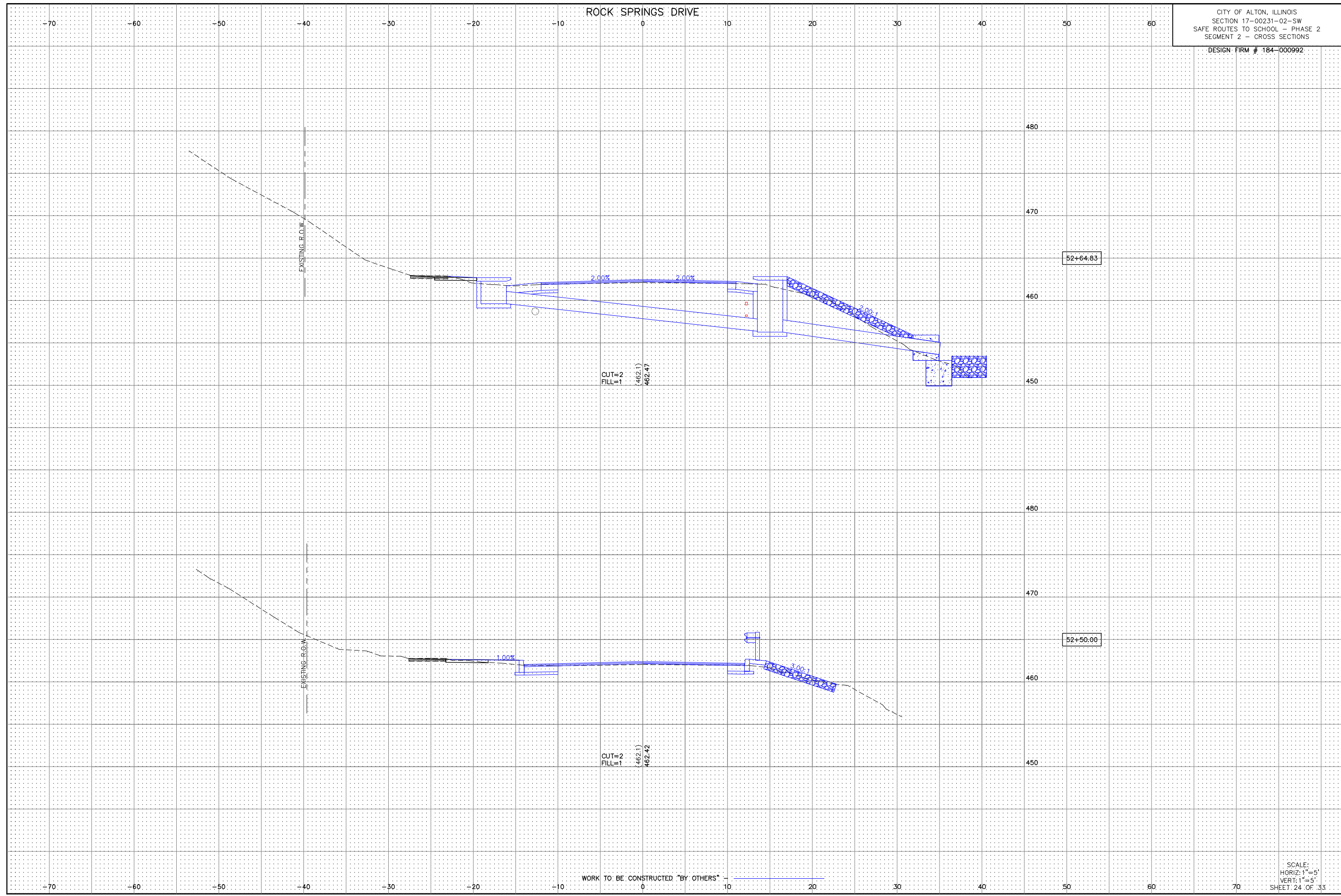
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SHEET: 23 OF 33



ROCK SPRINGS DRIVE

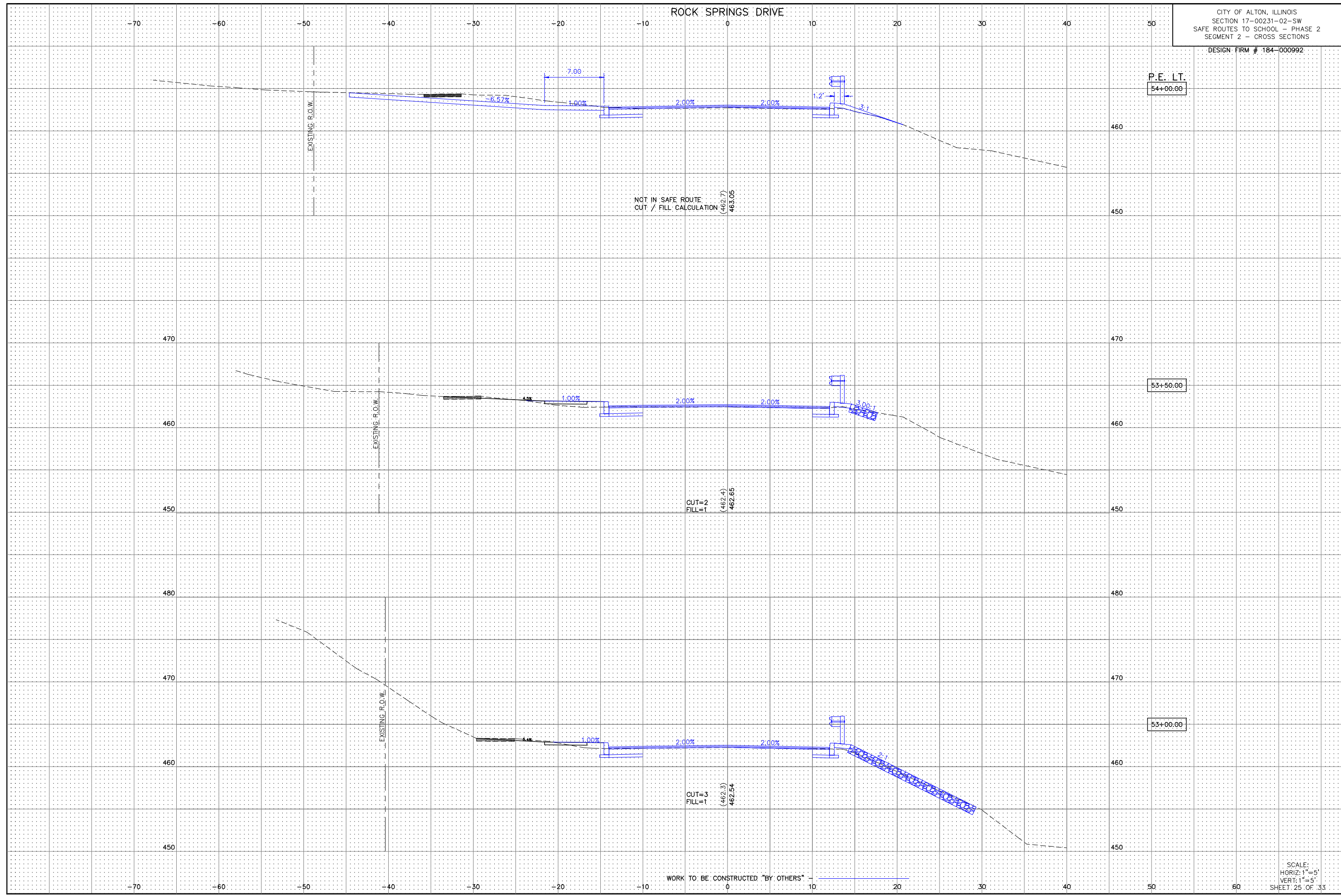
CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET: 24 OF 33



P.E. LT.  
 54+00.00

53+50.00

53+00.00

NOT IN SAFE ROUTE  
 CUT / FILL CALCULATION  
 (+62.7)  
 463.05

CUT=2  
 FILL=1  
 (462.4)  
 462.65

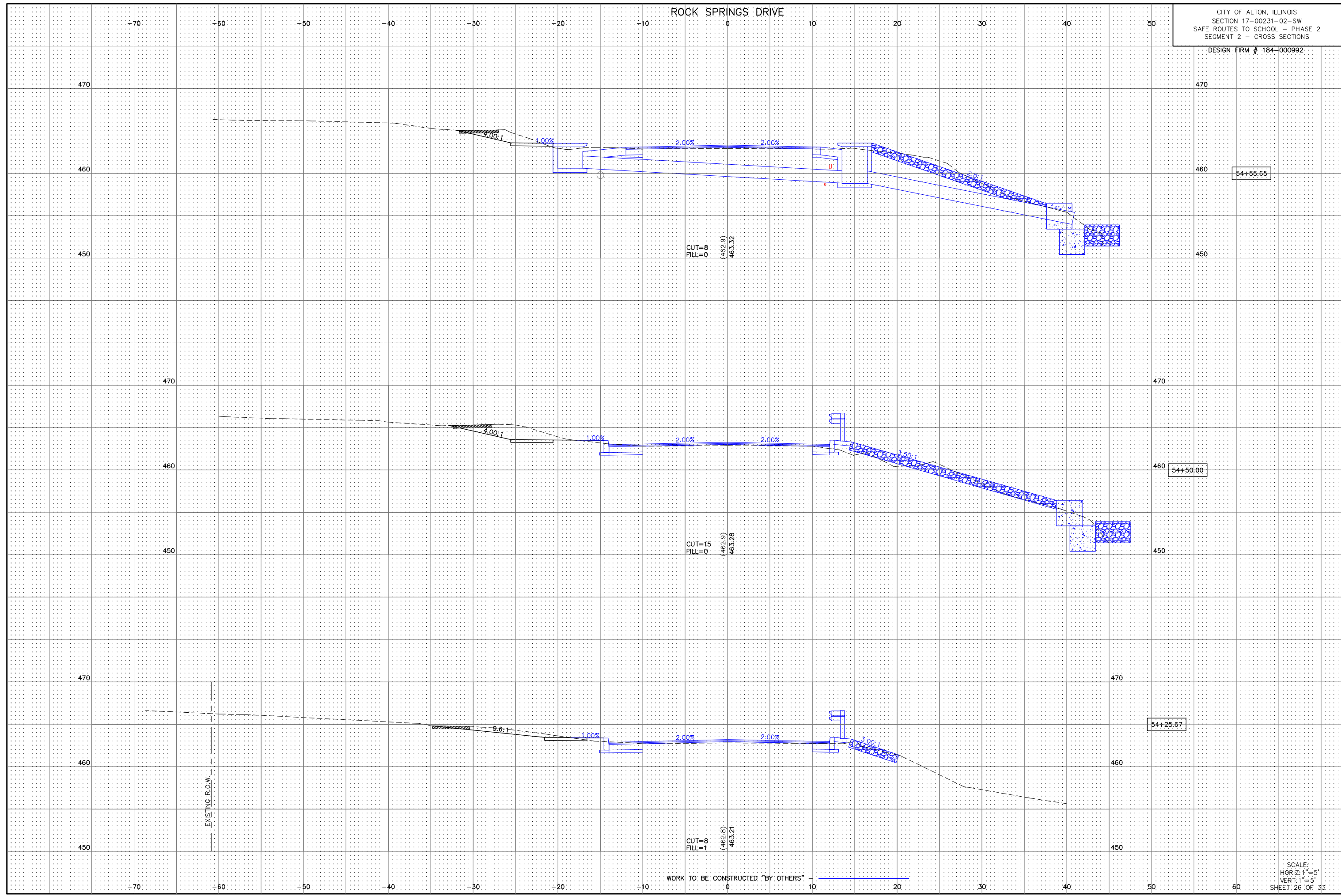
CUT=3  
 FILL=1  
 (462.3)  
 462.54

WORK TO BE CONSTRUCTED "BY OTHERS"

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



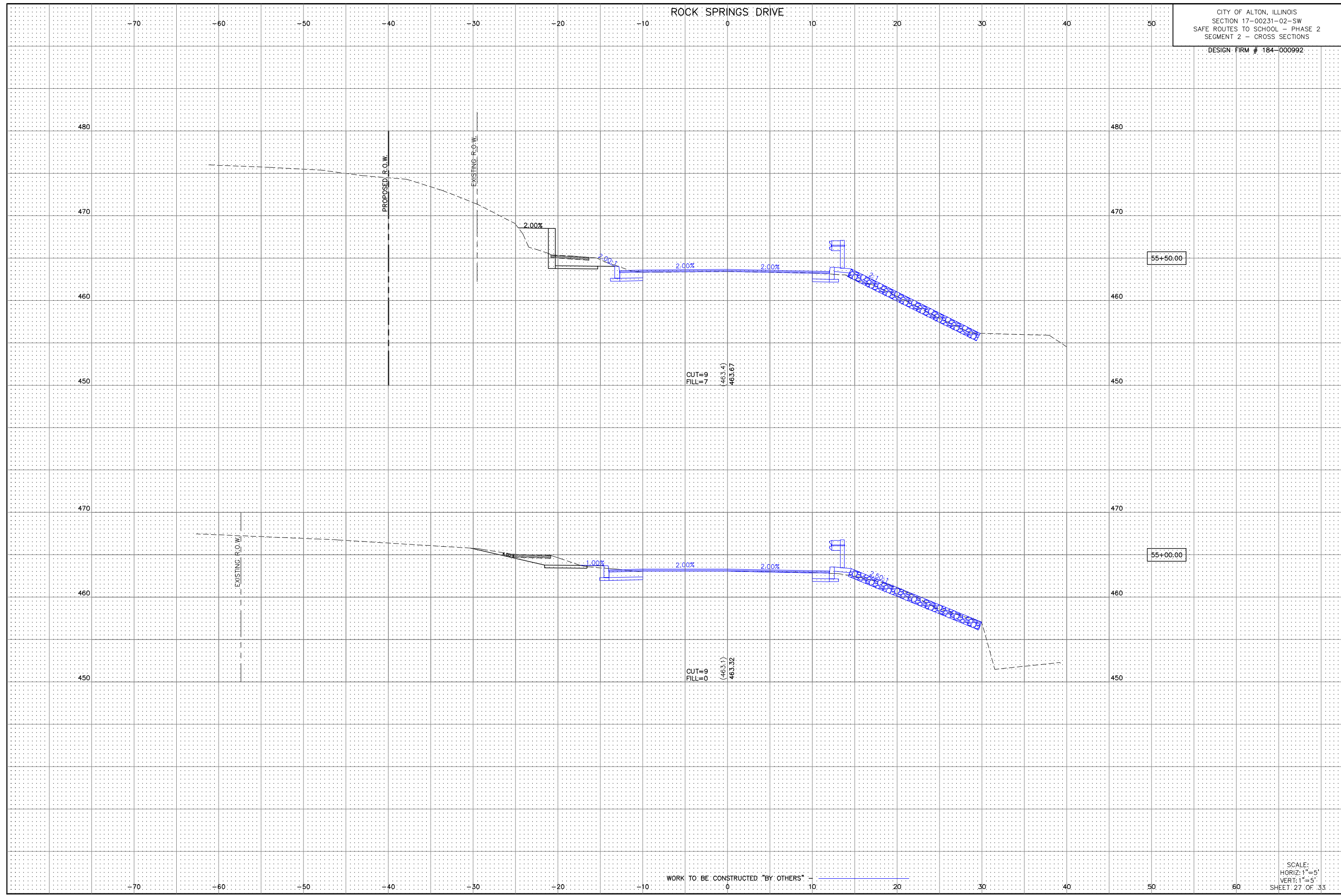
WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET: 26 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



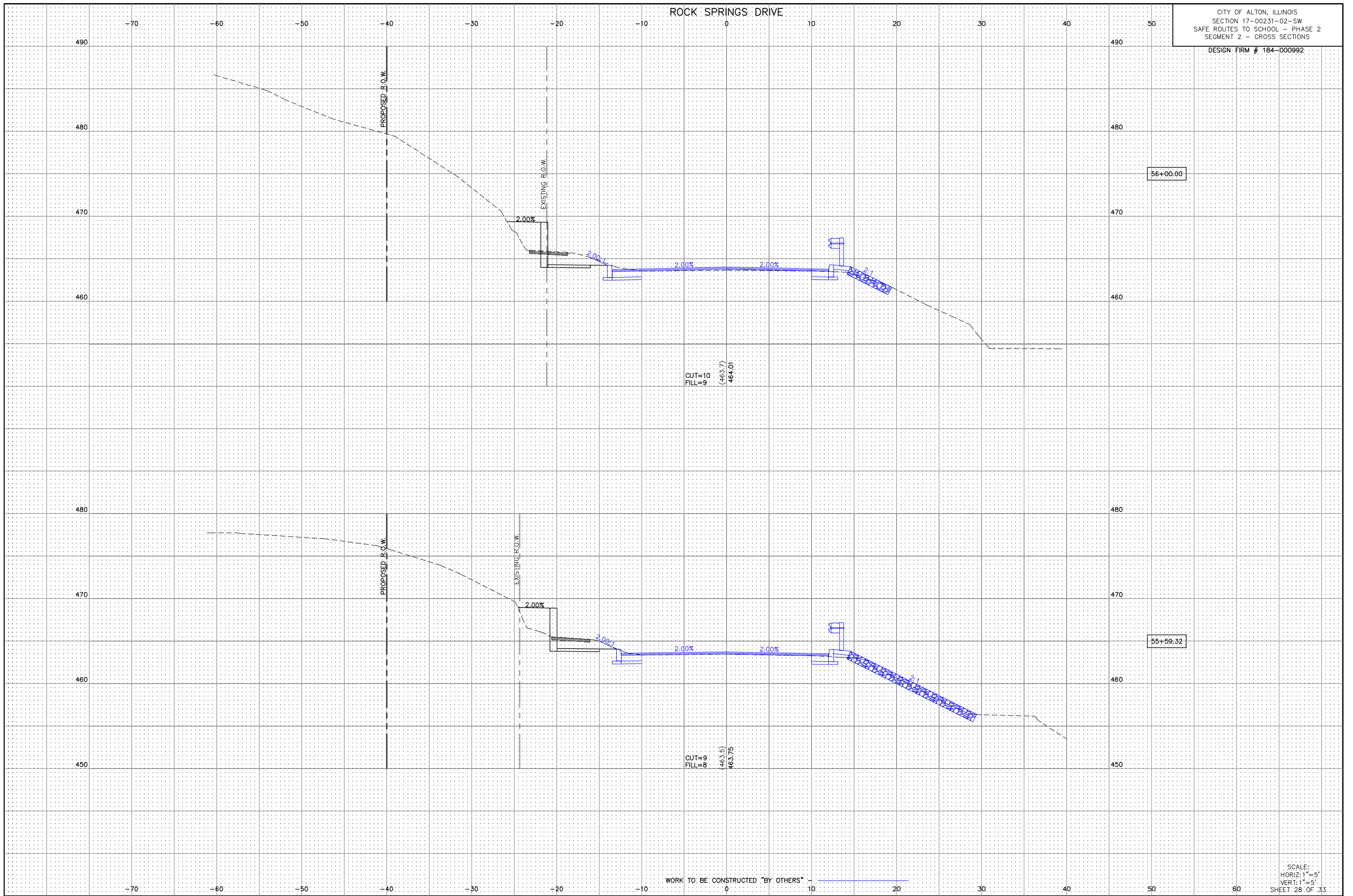
WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET: 27 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



WORK TO BE CONSTRUCTED "BY OTHERS"

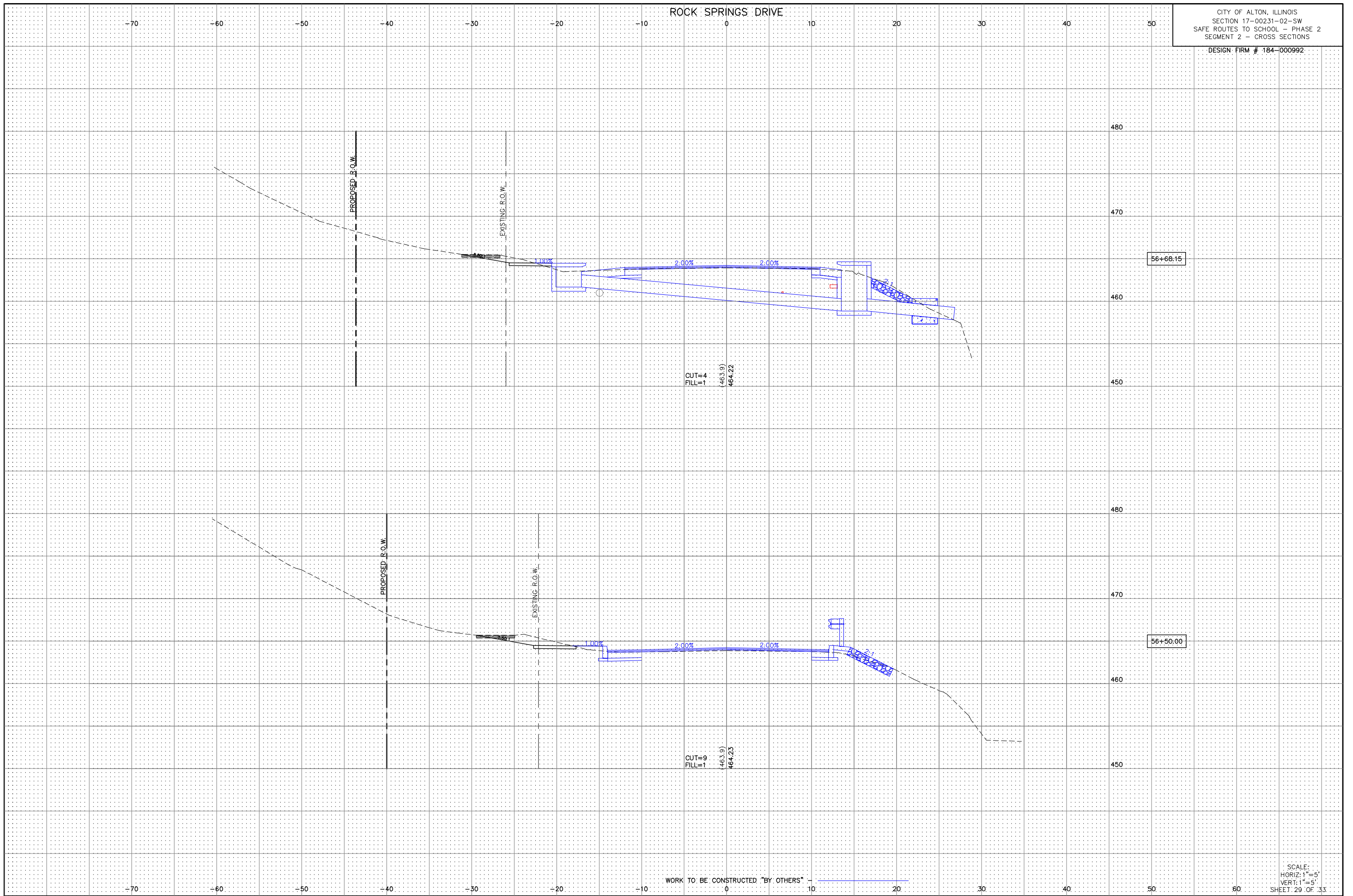
SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET: 28 OF 33



ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



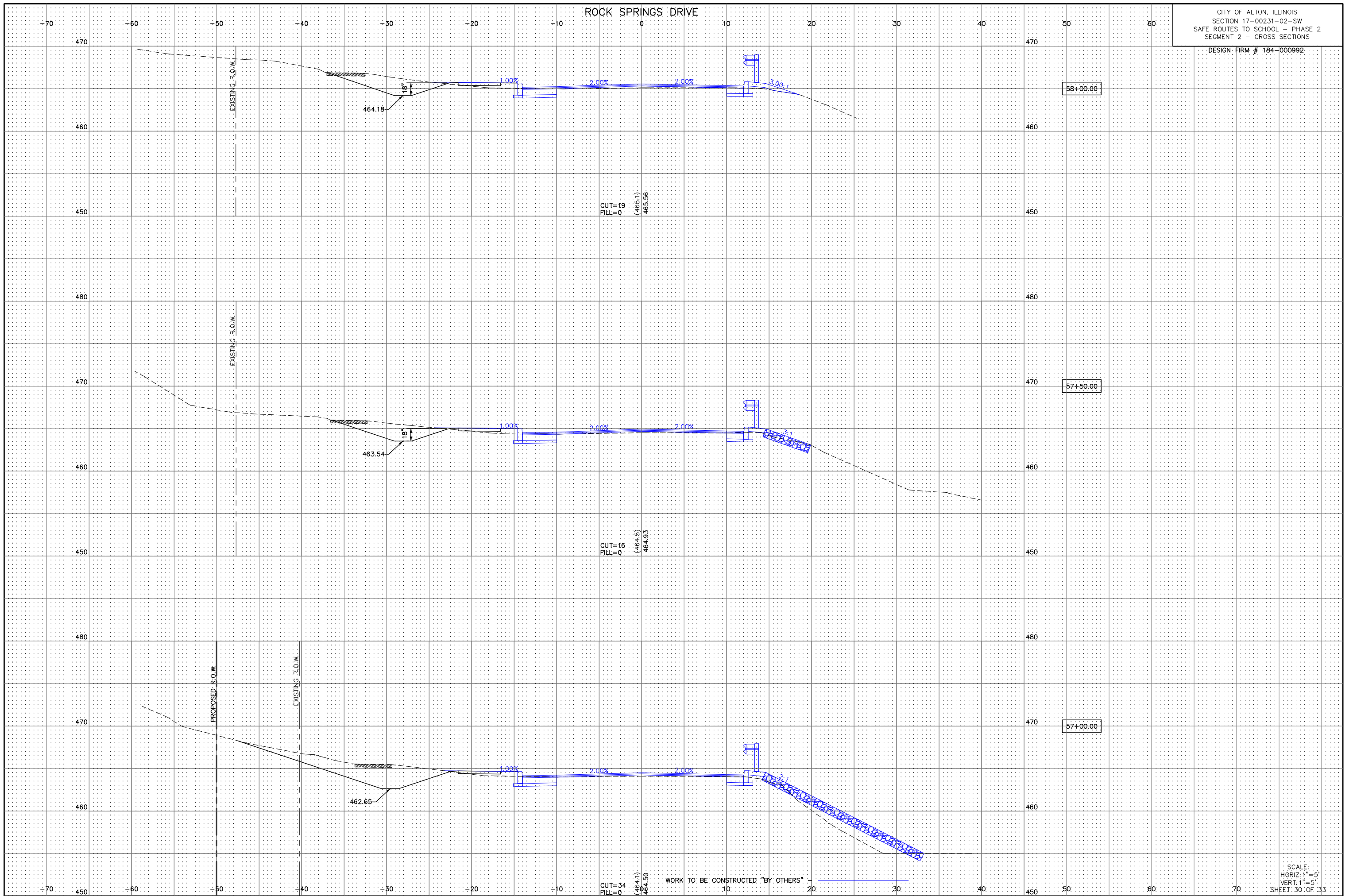
WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET: 29 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992

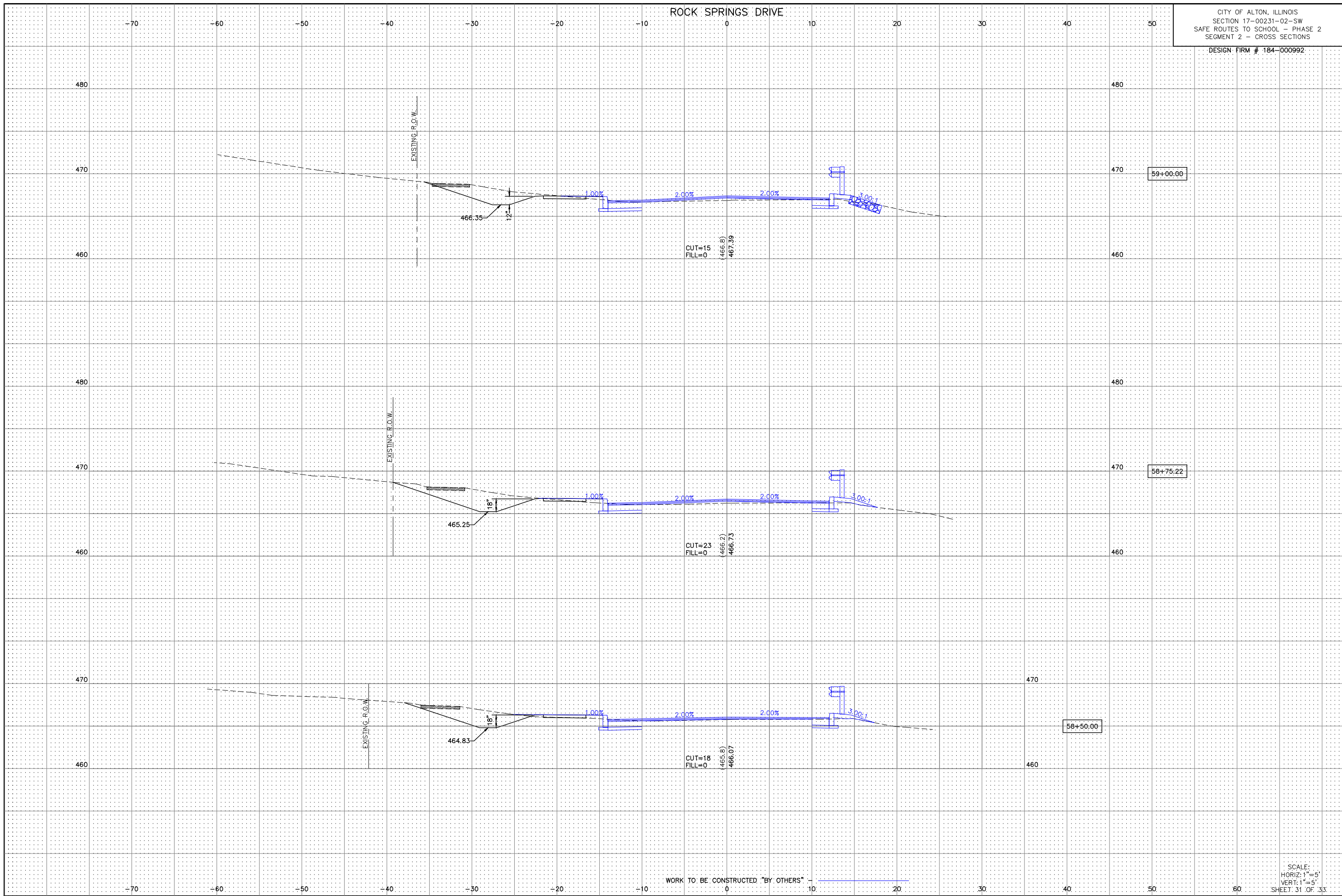


SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET 30 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992

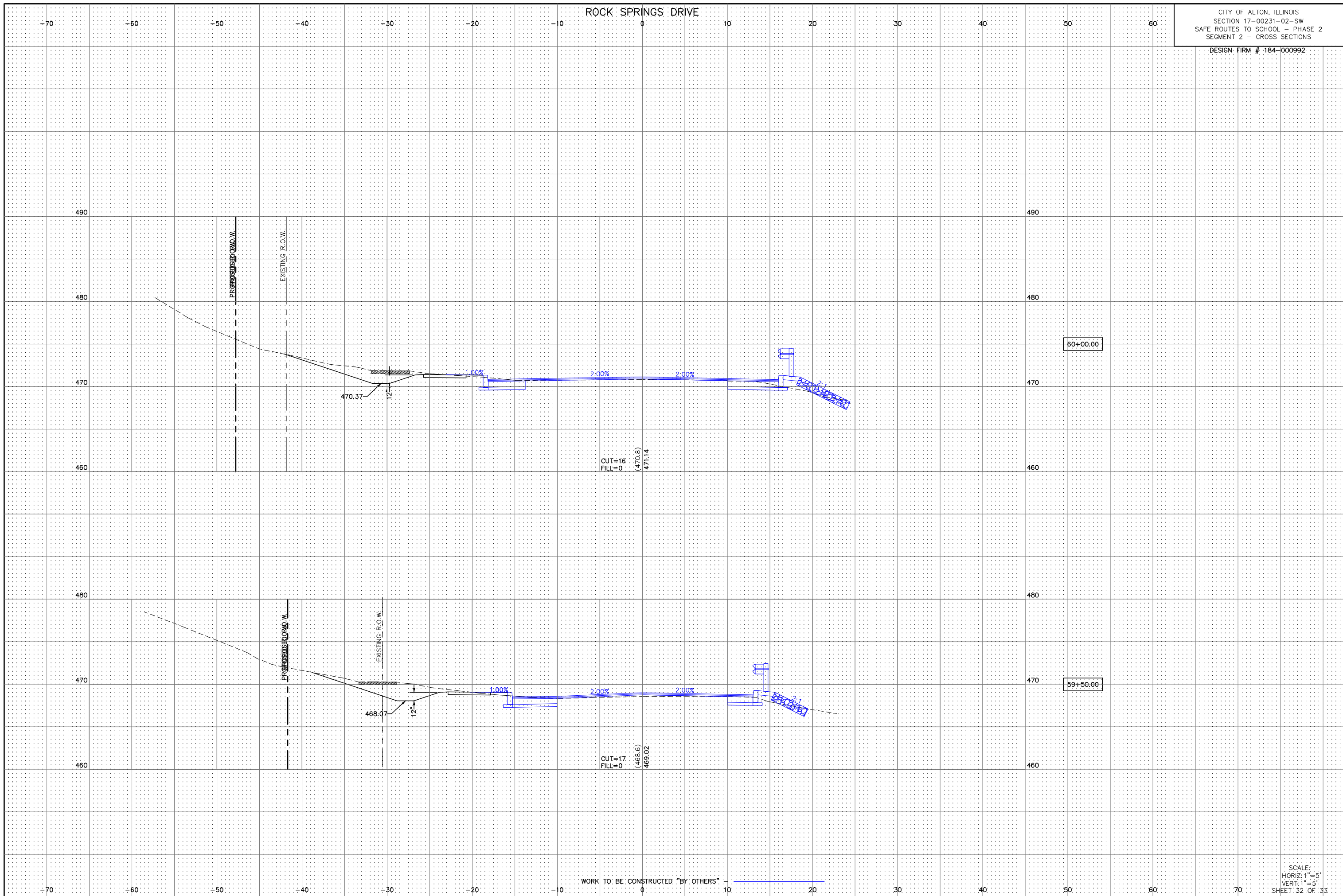


SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET 31 OF 33

ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992



ROCK SPRINGS DRIVE

CITY OF ALTON, ILLINOIS  
SECTION 17-00231-02-SW  
SAFE ROUTES TO SCHOOL - PHASE 2  
SEGMENT 2 - CROSS SECTIONS

DESIGN FIRM # 184-000992

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50

480 480

470 470

460 460

480 480

470 470

460 460

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50

50+92.26

50+62.00

CUT=0  
FILL=0  
(475.3)  
475.42

CUT=8  
FILL=0  
(474.1)  
474.46

EXISTING R.O.W.

473.54 12'

5:1

WORK TO BE CONSTRUCTED "BY OTHERS"

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=5'  
SHEET 33 OF 33