

FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN NORTH HALF OF SECTION 12, TOWNSHIP 5 NORTH, RANGE 10 WEST OF THE THIRD PRINCIPAL MERIDIAN AND THE NW QUARTER OF SECTION 7, TOWNSHIP 5 NORTH, RANGE 9 WEST OF THE THIRD PRINCIPAL MERIDIAN.

UTILITY INFORMATION CAN BE OBTAINED BY CALLING J.U.L.I.E. AT (800) 892-0123

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN THE LIMITS OF THIS PROJECT:

ILLINOIS AMERICAN WATER CO. AT&T
 4436 INDUSTRIAL DRIVE 203 GOETHE
 ALTON, ILLINOIS 62002 COLLINGSVILLE, ILLINOIS 62234
 (618) 466-2131 (618) 346-6422

AMEREN IP ALTON PUBLIC WORKS
 700 OAKWOOD AVENUE 2 EMMA KAUS LANE
 ALTON, ILLINOIS 62002 ALTON, ILLINOIS 62002
 (618) 463-4041 (ELECTRIC) (618) 466-3133
 (618) 463-4027 (GAS)

CHARTER COMMUNICATIONS
 508 NIAGARA AVENUE
 EAST ALTON, ILLINOIS 62024
 (618) 779-5021

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 FEDERAL AID HIGHWAY

COLLEGE AVENUE
 SECTION 11-00231-00-RS
 FAU ROUTE 8961
 PROJECT M-5011 (353)
 CITY OF ALTON, ILLINOIS
 MADISON COUNTY
 JOB C-98-374-11

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11-00231-00-RS	MADISON	38	1
FEDERAL AID PROJECT		CONTRACT NO. 97590	

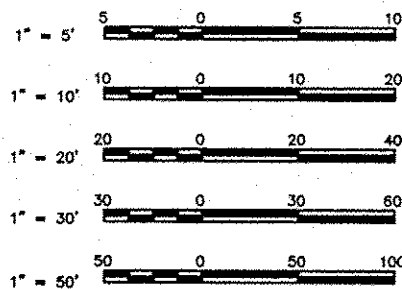
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HIGHWAY STANDARDS

420701-02	701006-05
424001-08	701011-04
424011-02	701301-04
424016-02	701501-06
424021-03	701801-05
424026-01	701901-04
442101-07	720001-01
442201-03	720006-04
604001-04	728001-01
606001-06	780001-05
664001-02	

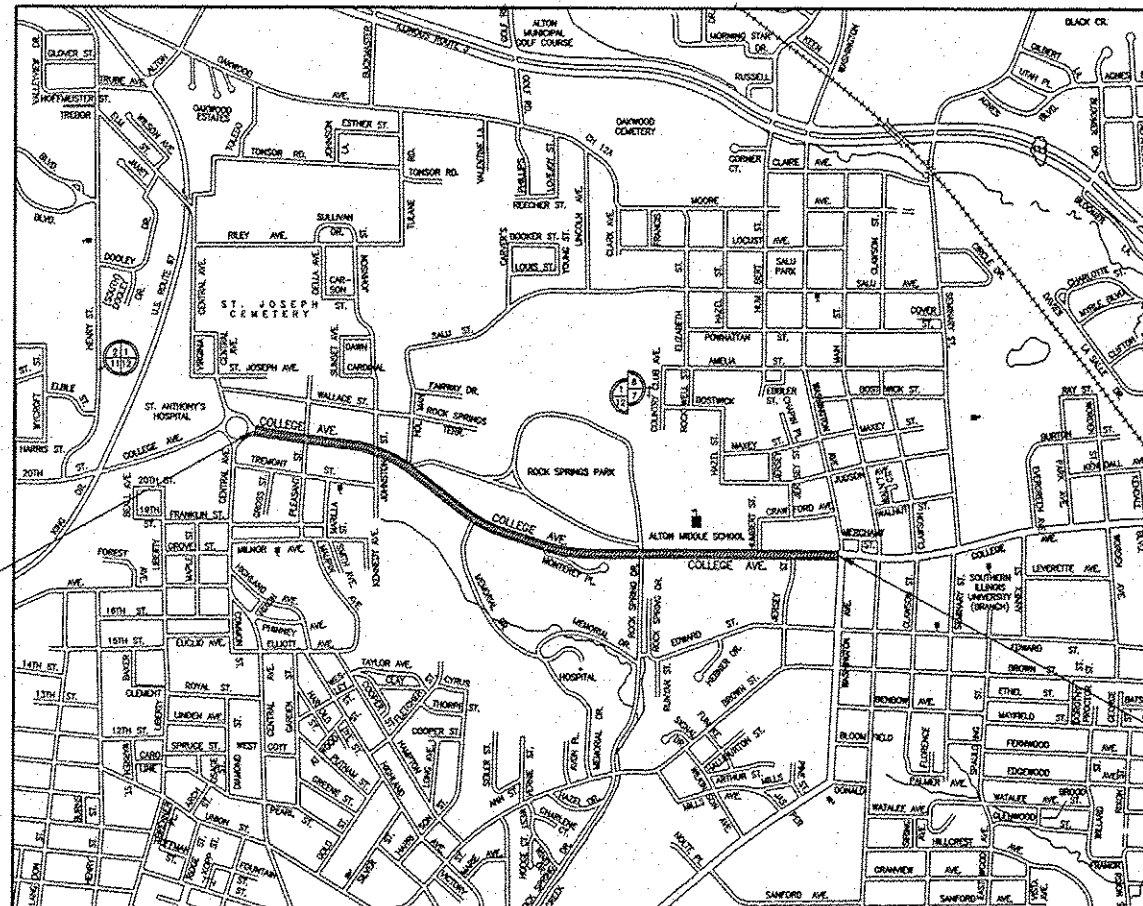
SCALES



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

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
 DESIGN SPEED = 30 M.P.H.

SMS Sheppard Morgan & Schwaab, Inc.
 ENGINEERS CONSULTING ENGINEERS & LAND SURVEYORS
 215 Market Street
 Alton, Illinois 62002
 P.O. Box E
 618/482-9755



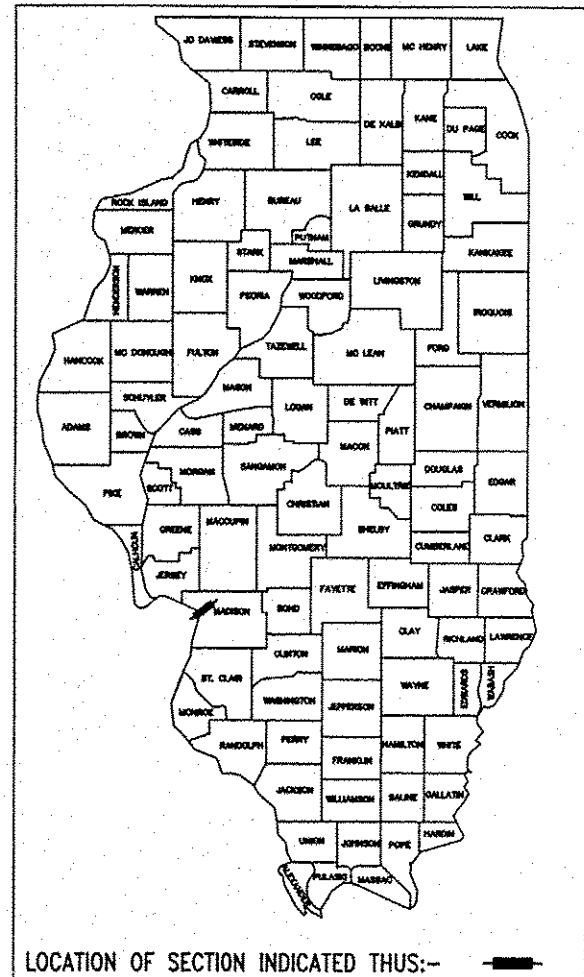
LOCATION MAP



LENGTH OF PROJECT = 6,417.32 FEET = 1.215 MILES

PROJECT BEGINS
 STA. 1+00

PROJECT ENDS
 STA. 65+17.32



LOCATION OF SECTION INDICATED THUS:-

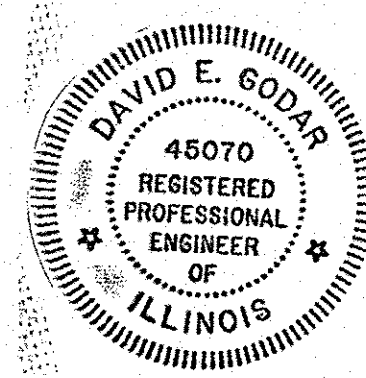
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED MARCH 19 2015
Paul Walker
 MAYOR

PASSED April 7 2015
Jeffrey Keirn
 DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED UPON LIMITED
 REVIEW April 7 2015
Jeffrey Keirn
 JEFFREY KEIRN, P.E.
 DEPUTY DIRECTOR OF HIGHWAYS
 REGION FIVE ENGINEER

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



David E. Godar

DATE SIGNED 3-19-15
 EXPIRATION DATE 11-30-15

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

PROPOSED

- PROPOSED GUY POLE --○
- PROPOSED LIGHT POLE --X
- PROPOSED POWER POLE --○
- PROPOSED TELEPHONE POLE --○
- PROPOSED GUY WIRE --
- PROPOSED TRANSMISSION TOWER --□
- PROPOSED ELECTRIC SPLICE BOX --□^E
- PROPOSED TELEPHONE SPLICE BOX --□^T
- PROPOSED CABLE SPLICE BOX --□^{TV}
- PROPOSED WATER HYDRANT --
- PROPOSED GAS METER --
- PROPOSED WATER METER --
- PROPOSED WATER VALVE --
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- PROPOSED FIRE HYDRANT --FH
- PROPOSED SANITARY MANHOLE TOP --
- PROPOSED STORM MANHOLE TOP --
- PROPOSED TELEPHONE MANHOLE TOP --
- PROPOSED SANITARY CLEAN OUT --
- PROPOSED MAILBOX --
- PROPOSED GUARD POST --GP
- PROPOSED ADVERTISING SIGN --
- PROPOSED TRAFFIC SIGN --
- PROPOSED RAILROAD MILE POST --MP
- PROPOSED RAILROAD SIGNAL CONTROLLER --
- PROPOSED RAILROAD CROSSING GATE --
- PROPOSED TRAFFIC SIGNAL --
- PROPOSED TRAFFIC SIGNAL CONTROLLER --
- PROPOSED HANDHOLE --
- PROPOSED DOUBLE HANDHOLE --
- PROPOSED MAST ARM BASE --
- PROPOSED DECIDUOUS TREE / SIZE --XX
- PROPOSED EVERGREEN TREE / SIZE --XX
- PROPOSED BUSH --
- PROPOSED PLANT --*
- PROPOSED EDGE OF PAVEMENT ELEVATION -- + 512.00 EP
- PROPOSED PAVEMENT ELEVATION -- + 505.50 P
- PROPOSED CURB ELEVATION -- + 550.25 TC
- PROPOSED SIDEWALK ELEVATION -- + 515.15 SW
- PROPOSED FLOWLINE ELEVATION -- + 501.58 FL

SIDEWALK LEGEND

- RAMP -- MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- DETECTABLE WARNING
- L -- LANDING -- MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT -- BLENDED TRANSITION -- MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T -- TRANSITION TO MEET EXISTING SIDEWALK
- P -- PASSING SPACE -- MIN. SIZE 5' X 5'; MAX CROSS SLOPE = 2.0%

STANDARD LINE TYPE LEGEND

EXISTING FEATURES

- EXISTING CENTERLINE
- EXISTING BASELINE
- EXISTING RIGHT-OF-WAY
- EXISTING SECTION LINE
- EXISTING PROPERTY LINE
- 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
- EXISTING GUARDRAIL
- EXISTING CULVERT
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING FORCEMAIN
- EXISTING WATER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING GAS
- EXISTING UNDERGROUND TELEPHONE
- EXISTING FIBER OPTIC
- EXISTING UNDERGROUND CABLE TV
- EXISTING OVERHEAD TELEPHONE
- EXISTING OVERHEAD ELECTRIC
- EXISTING OVERHEAD CABLE TV

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
- PROPOSED GUARDRAIL
- PROPOSED PERIMETER EROSION BARRIER
- PROPOSED CULVERT
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED FORCEMAIN
- PROPOSED WATER
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED GAS
- PROPOSED UNDERGROUND TELEPHONE
- PROPOSED FIBER OPTIC
- PROPOSED UNDERGROUND CABLE TV
- PROPOSED OVERHEAD TELEPHONE
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED OVERHEAD CABLE TV

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
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	TEMPORARY 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

- THIS PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 AND THE SPECIAL PROVISIONS OF THE PROJECT CONTRACT.
- 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.
- SEE TYPICAL SECTION SHEETS FOR TYPICAL SECTION NOTES.
- 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 RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES" (PROWAG) WITHIN THE PEDESTRIAN ACCESS ROUTE (PAR). THE PAR IS A SPACE WITH A MINIMUM WIDTH OF 4 FEET WITHIN SIDEWALKS, CURB RAMPS, DRIVEWAY PAVEMENTS AND PAVEMENT SURFACE WITHIN CROSSWALKS.
- AT LOCATIONS WHERE CONCRETE CURB, TYPE B OR COMBINATION CONCRETE CURB AND GUTTER IS REMOVED AND REPLACED ADJACENT TO AREAS WHERE THE HOT MIX ASPHALT RESURFACING EXTENDS TO THE CURB, DEPRESSED CURBS FOR DRIVEWAYS OR CURB RAMPS SHALL BE PLACE AT THE PROPER HEIGHT REQUIRED TO MEET THE PROPOSED FINAL PAVEMENT SURFACE.

COMMITMENTS

NONE

BENCHMARK INFORMATION

SITE BENCHMARK:
CUT CROSS WEST SIDE OF THE INTERSECTION OF CENTRAL AVE.
AND WALLACE ST.
ELEV. = 585.20

SURVEY CONTROL POINTS

VERTICAL CONTROL (BENCH MARKS)			
CONTROL POINT	LOCATION	ELEVATION	DESCRIPTION
201	STA. 13+93.51, 22.94' LT.	577.73	RR SPIKE IN POWER POLE
120	STA. 23+00.49, 21.49' RT.	571.81	RR SPIKE IN POWER POLE
121	STA. 31+06.36, 18' RT.	558.91	RR SPIKE IN POWER POLE
200	STA. 45+21.43, 23.90' RT.	477.03	CUT BOX ON TOP OF HEADWALL

HORIZONTAL CONTROL

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
102	815715.890	2295325.8790	591.32	CUT CROSS
106	815622.1770	2295762.1630	584.33	CUT CROSS
107	815552.4820	2296240.2400	583.85	CUT CROSS
108	815467.2540	2296777.5420	576.42	CUT CROSS
109	815204.6840	2297208.0870	577.24	TOP OF CONTROL POINT CAP
110	814917.3930	2297610.6100	587.20	TOP OF CONTROL POINT CAP
111	814655.1200	2297913.3300	580.95	TOP OF CONTROL POINT CAP
103	814534.9720	229870.2420	584.08	TOP OF CONTROL POINT CAP

* ELEVATIONS SHOULD BE CHECKED FROM A BENCHMARK.

REVISIONS	

SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618425-9155 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Granite City, IL 62040 618271-9100 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 GENERAL NOTES, LEGENDS & CONTROL POINTS

CONTRACT NO. 97590
DWG. NO. COLLEGE LEGEND SHEET.DWG
REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: MARCH, 2015
SCALE: NONE
SHEET 2 OF 38

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE	0005		
CODE NO.	ITEM	UNIT	QUANTITY
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CY YD	10
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	20
35800100	PREPARATION OF BASE	SQ YD	2,088
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	6
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	5
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	14,430
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	2
40600837	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70	TON	792
40600990	TEMPORARY RAMP	SQ YD	227
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2,293
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	10
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	4,920
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	275
42400800	DETECTABLE WARNINGS	SQ FT	361
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	8
44000300	CURB REMOVAL	FOOT	601
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	140
44000600	SIDEWALK REMOVAL	SQ FT	4,708
44200116	PAVEMENT PATCHING, TYPE I, 10 INCH	SQ YD	4
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	429
44200124	PAVEMENT PATCHING, TYPE III, 10 INCH	SQ YD	173
44200126	PAVEMENT PATCHING, TYPE IV, 10 INCH	SQ YD	173
44200948	CLASS B PATCHES, TYPE I, 9 INCH	SQ YD	4
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	34
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	63
44201299	DOWEL BARS 1 1/2"	EACH	107
44213100	PAVEMENT FABRIC	SQ YD	63
44213200	SAW CUTS	FOOT	210
44213204	TIE BARS 3/4"	EACH	9
50900805	PEDESTRIAN RAILING	FOOT	20
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN UD	EACH	1
60600605	CONCRETE CURB, TYPE D	FOOT	543
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	161
60604900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (VARIABLE WIDTH GUTTER FLAG)	FOOT	28
* 66400105	CHAIN LINK FENCE, 4'	FOOT	24
67100100	MOBILIZATION	L SUM	1

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE	0005		
CODE NO.	ITEM	UNIT	QUANTITY
70200100	SHORT TERM PAVEMENT MARKING	FOOT	3,052
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	210
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	18,352
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	691
70300250	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	537
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	536
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,007
72000100	SIGN PANEL - TYPE 1	SQ FT	96
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	238
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	210
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18,352
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	606
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	523
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	536
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	85
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	14
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	24
81500100	GULFBOX JUNCTION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	284
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	284
* 89502380	REMOVE EXISTING HANDHOLE	EACH	1
20022800	FENCE REMOVAL	FOOT	28
20042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	54
20051398	REMOVE EXISTING SIGN POST	EACH	9
20075496	CONCRETE RETAINING WALL REMOVAL	FOOT	11
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	24,981
X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED UD	EACH	9
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
* X7240311	RELOCATE EXISTING SIGN PANEL (SPECIAL)	EACH	9

* DENOTES SPECIALTY ITEMS

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618.682.9755 Fax: 618.682.9755
 11 Central Industrial Drive, Granite City, IL 62040 618.877-0100 Email: ms@smssheppard.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 SUMMARY OF QUANTITIES

CONTRACT NO.	97590
DWG. NO.	COLLEGE_SUM QUAN.DWG
REF. SK.	PG.
JOB NO.	208263
DESIGN BY:	DEG
CHK. BY:	DEG
DATE:	MARCH, 2015
SCALE:	NONE
SHEET	3 OF 38

PAVEMENT PATCHING SCHEDULE													
STATION TO STATION	LENGTH (FEET)	WIDTH (FEET)	CLASS "B" PATCHES, 9 INCH (SQ. YD.)			DOWEL BARS 1-1/2" (EACH)	PAVEMENT FABRIC (SQ. YD.)	TIE BARS 3/4" (EACH)	SAW CUTS (FOOT)	PAVEMENT PATCHING, 10 INCH (SQ. YD.)			
			TYPE I	TYPE II	TYPE IV					TYPE I	TYPE II	TYPE III	TYPE IV
6+19.00	6+33.00 LT.	VAR.				11		30.0					
6+54.00	6+64.00 LT.	VAR.				6		19.0					
6+59.00	6+69.00 RT.	VAR.				8		24.9					
6+68.00	6+74.00 LT.	6.0	3.6			9		17.8					
11+77.00	11+88.00 LT.	11.0			6.0	8		32.0					
13+52.00	14+18.00 LT.	VAR.											94.6
18+30.00	18+57.00 LT.	27.3											
18+48.00	18+54.00 RT.	6.0							4.0				
25+95.00	26+16.00 RT.	VAR.											
31+15.00	31+27.00 LT.	VAR.											
40+79.00	40+85.00 LT.	6.0											
45+00.00	45+06.00 RT.	6.0										6.3	
45+00.00	45+06.00 LT.	6.0										11.5	
45+59.00	45+65.00 RT.	6.0										12.4	
45+59.00	45+65.00 LT.	6.0										11.6	
46+20.00	46+28.00 LT.	6.0										12.7	
46+20.00	46+28.00 RT.	6.0										12.6	
46+56.00	46+75.00 LT.	19.0										11.5	
47+35.00	47+41.00 LT.	6.0										6.3	
47+35.00	47+41.00 RT.	6.0										12.7	
48+56.00	48+62.00 LT.	6.0										11.6	
48+56.00	48+62.00 RT.	6.0										12.6	
48+90.00	48+96.00 RT.	6.0										11.7	
49+30.00	49+36.00 LT.	VAR.										11.6	
49+38.00	49+44.00 RT.	6.0											16.7
51+00.00	51+06.00 RT.	6.0										12.1	
51+62.00	51+68.00 LT.	6.0										11.8	
51+62.00	52+45.00 RT.	83.0	VAR.									12.7	
54+60.00	54+66.00 LT.	6.0											78.1
54+60.00	54+66.00 RT.	6.0										12.7	
55+15.00	55+21.00 LT.	6.0										11.7	
55+15.00	55+21.00 RT.	6.0										12.7	
55+88.00	55+94.00 LT.	6.0										12.7	
55+88.00	55+94.00 RT.	6.0										11.7	
56+58.00	57+11.00 LT.	VAR.				63.4	65	63.4	9	86.0			
56+87.00	56+93.00 RT.	6.0										11.9	
57+76.00	57+82.00 LT.	6.0										12.6	
57+76.00	57+82.00 RT.	6.0										11.7	
58+34.00	58+40.00 LT.	6.0										12.6	
58+34.00	58+40.00 RT.	6.0										11.9	
60+73.00	60+79.00 LT.	6.0										12.6	
60+73.00	60+79.00 RT.	6.0										12.7	
61+39.00	61+45.00 LT.	6.0										12.5	
61+39.00	61+45.00 RT.	VAR.										11.9	
62+11.00	62+17.00 LT.	VAR.										12.2	
62+11.00	62+17.00 RT.	6.0										12.7	
62+63.00	62+69.00 LT.	6.0										12.7	
62+63.00	62+69.00 RT.	6.0										12.7	
62+84.00	62+92.00 RT.	8.0											16.7
63+28.00	63+34.00 RT.	6.0										12.7	
63+43.00	63+53.00 RT.	VAR.											15.6
63+92.00	63+98.00 LT.	6.0										17.9	
63+92.00	63+98.00 RT.	6.0										15.9	
64+48.00	64+54.00 LT.	6.0										17.5	
64+48.00	64+54.00 RT.	VAR.										21.1	
TOTALS:			3.6	34.0	63.4	107	63.4	9	209.7	4.0	429.3	172.9	172.7

PAVEMENT PATCHING NOTES

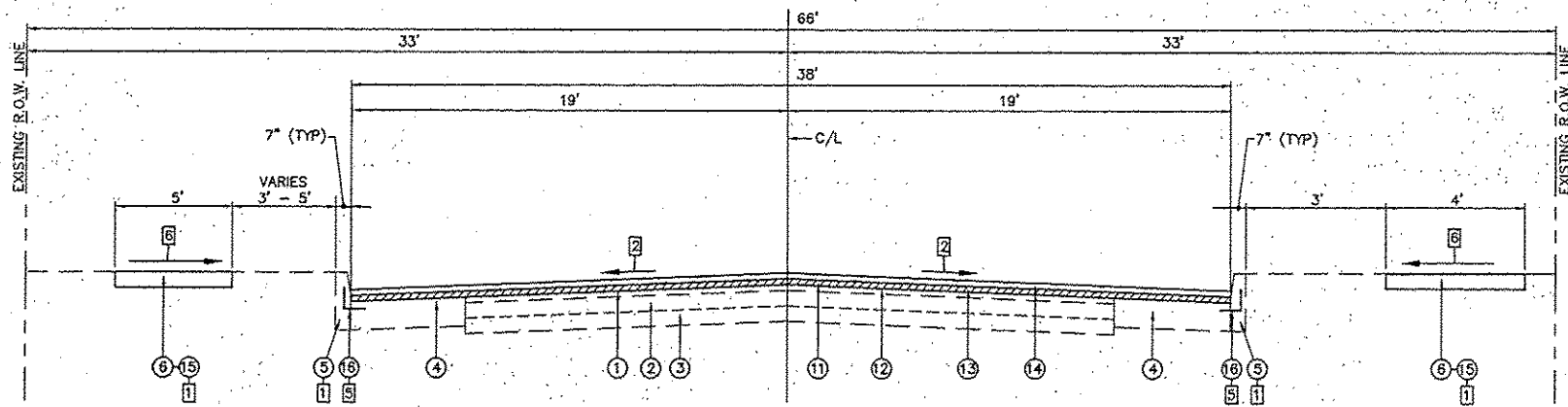
1. LOCATION STATIONS ARE APPROXIMATE ACTUAL LOCATIONS WILL BE MARKED BY THE ENGINEER DURING CONSTRUCTION
2. PATCHES MAY BE POURED MONOLITHIC WITH ADJACENT CURB OR CURB & GUTTER.

REVISIONS

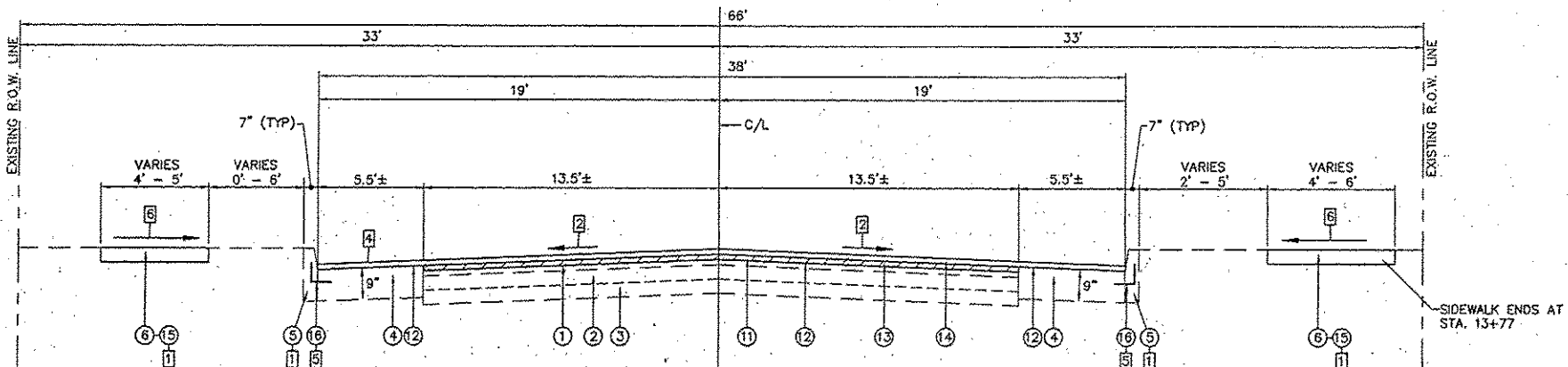
SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsengineers.com
10 Central Industrial Drive, Granite City, IL 62040 618377-4700 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PATCHING SCHEDULE

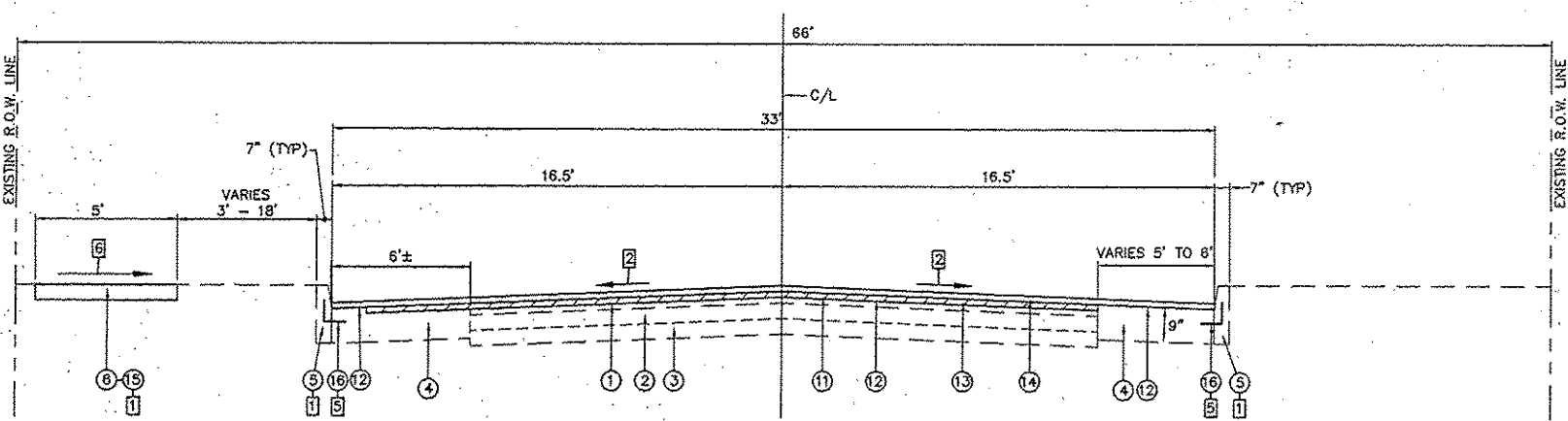
CONTRACT NO. 97590
DWG. NO. COLLEGE PATCH SCHEDULE.DWG
REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: MARCH, 2015
SCALE: NONE
SHEET 4 OF 38



PROPOSED TYPICAL SECTION
COLLEGE AVE.
STA. 1+00 TO STA. 3+06



PROPOSED TYPICAL SECTION
COLLEGE AVE.
STA. 3+06 TO STA. 17+55



PROPOSED TYPICAL SECTION
COLLEGE AVE.
STA. 17+55 TO STA. 28+31

TYPICAL SECTION NOTES

- 1 SEE PLANS FOR LOCATIONS TO BE REMOVED AND REPLACED.
- 2 WHERE EXISTING CROSS SLOPE IS 2.0% OR GREATER, MATCH EXISTING. WHERE EXISTING CROSS SLOPE IS LESS THAN 2.0% INCREASE CROSS SLOPE AS DESCRIBED IN NOTE 3.
- 3 HMA SURFACE REMOVAL, VARIABLE DEPTH - WHERE EXISTING CROSS SLOPE IS 2.0% OR GREATER, HOLD REMOVAL DEPTH AT 1 1/2" AT CENTERLINE AND AT OUTER EDGE OF REMOVAL. WHERE EXISTING CROSS SLOPE IS LESS THAN 2.0%, HOLD 1 1/2" AT OUTER EDGE OF REMOVAL AND REDUCE DEPTH AT CENTERLINE TO INCREASE CROSS SLOPE TO 2.0% OR A MINIMUM DEPTH AT CENTERLINE OF 1/4". THE REMOVAL DEPTH INCREASES TO 3" BETWEEN STA. 1+00 TO STA. 1+95. SEE THE TRANSITION DETAIL.
- 4 THE P.C.C. WIDENING HAS BEEN PREVIOUSLY MILLED AND RESURFACED BETWEEN STA. 13+85 TO STA. 17+55. THE PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH AND LEVELING BINDER SHALL EXTEND TO THE CURB IN THIS AREA.
- 5 TIE BARS THAT ARE PLACED IN CONCRETE SHALL BE 30" LONG AT 30" CENTERS. TIE BARS THAT ARE DRILLED AND GROUTED SHALL BE 24" LONG AT 24" CENTERS. TIE BARS IN CONCRETE CURB, TYPE B SHALL BE "L" BARS ROTATED TO PROVIDE 3" OF CLEARANCE.
- 6 NEW SIDEWALK CROSS SLOPE PERPENDICULAR TO THE DIRECTION OF TRAVEL SHALL BE 1.00% TO 1.50% DESIRED WITH 2.00% ABSOLUTE MAXIMUM. THE ONLY EXCEPTION IS TRANSITION PANELS THAT MEET EXISTING SIDEWALK.

PAVING LEGEND

- 1 EXISTING 3" HMA SURFACE
- 2 EXISTING 3" BRICK W/ 1" SAND CUSHION
- 3 EXISTING 4" CONCRETE BASE
- 4 EXISTING P.C.C. WIDENING
- 5 EXISTING CONCRETE CURB, TYPE B (DOWELED)
- 6 EXISTING P.C.C. OR BRICK SIDEWALK
- 7 EXISTING C.C.&G TYPE B-6.12
- 8 EXISTING C.C.&G TYPE B-6.18
- 9 EXISTING 1 1/2" HMA SURFACE
- 10 EXISTING P.C. CONCRETE PAVEMENT, PAVEMENT WIDENING & P.C. CONCRETE ON BRICK - VARIABLE DEPTHS.
- 11 PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH - SEE NOTE 3 SHOWN AS [diagonal hatching]
- 12 PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- 13 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), N 70 (1-1/2")
- 14 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N 70 (1-1/2")
- 15 PROPOSED P.C.C. SIDEWALK, 4 INCH
- 16 PROPOSED No. 6 TIE BARS SEE NOTE 5

MIX DESIGNS		
MIXTURE USE	POLY SURFACE	POLY LEVEL BINDER
AC/PG	SBS PG 76-22	SBS PG 76-22
MAX. RAP %	*	*
DESIGN AIR VOIDS	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

*SEE SPECIAL PROVISIONS

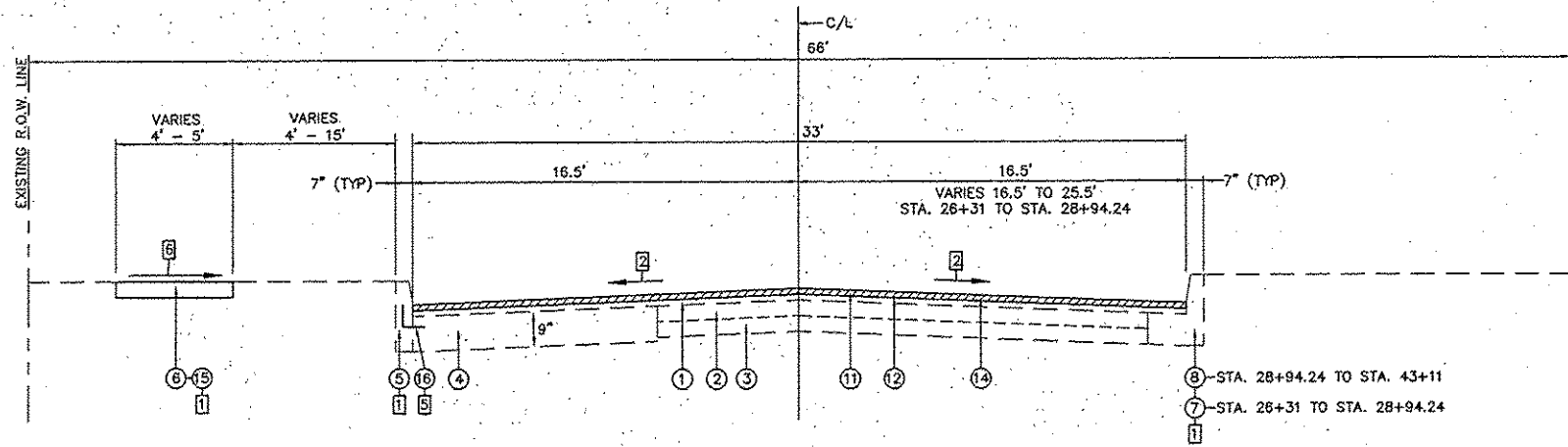
REVISIONS	

Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 West Street, P.O. Box E, Alton, IL 62002 618/292-2955 Fax: 618/292-2955
10 Central Expressway, Grafton, MA 01874 618/877-4700 Fax: 618/877-4700
DESIGN FROM # 181-000992

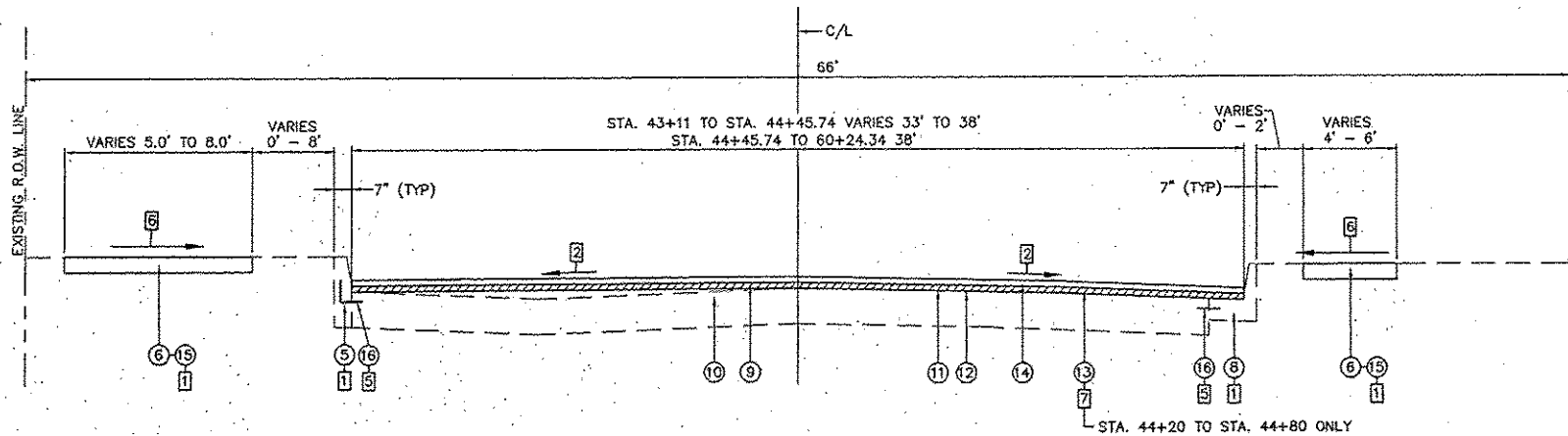
SMS ENGINEERS

CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PROPOSED TYPICAL SECTIONS

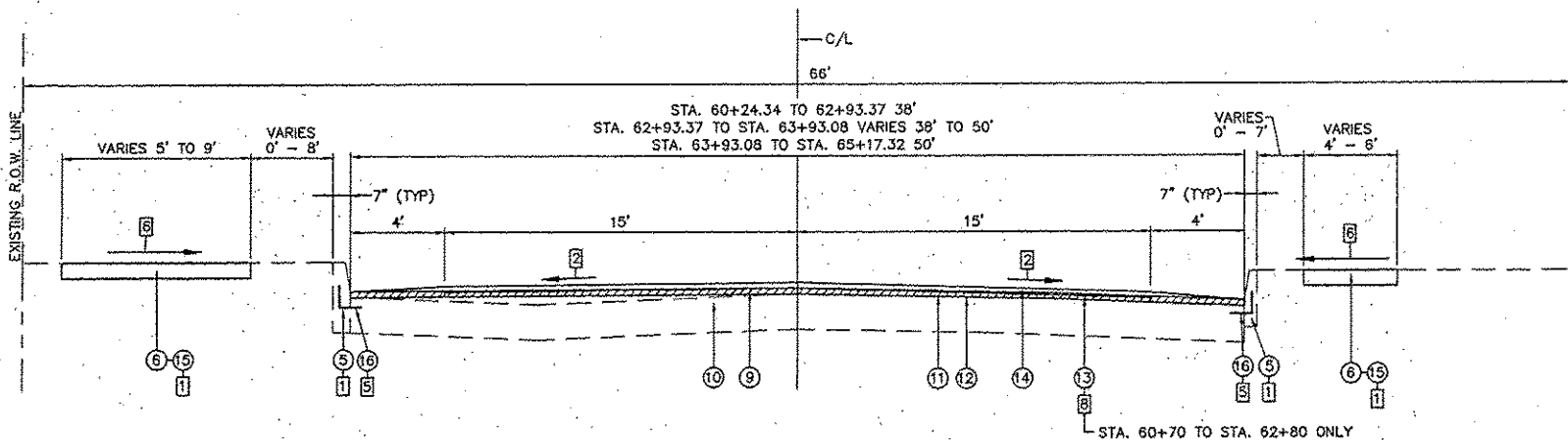
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DWG. NO. COLLEGE PROP TYPICALS.DWG
REF. BK. P.G.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: MARCH, 2015
SCALE: NONE
SHEET 5 OF 38



PROPOSED TYPICAL SECTION
COLLEGE AVE.
 STA. 26+31 TO STA. 43+11



PROPOSED TYPICAL SECTION
COLLEGE AVE.
 STA. 43+11 TO STA. 60+24.34



PROPOSED TYPICAL SECTION
COLLEGE AVE.
 STA. 60+24.34 TO STA. 65+17.32

TYPICAL SECTION NOTES

- 1 SEE PLANS FOR LOCATIONS TO BE REMOVED AND REPLACED.
- 2 WHERE EXISTING CROSS SLOPE IS 2.0% OR GREATER, MATCH EXISTING. WHERE EXISTING CROSS SLOPE IS LESS THAN 2.0%, INCREASE CROSS SLOPE AS DESCRIBED IN NOTE 3.
- 3 HMA SURFACE REMOVAL, VARIABLE DEPTH - WHERE EXISTING CROSS SLOPE IS 2.0% OR GREATER, HOLD REMOVAL DEPTH AT 1 1/2" AT CENTERLINE AND AT OUTER EDGE OF REMOVAL. WHERE EXISTING CROSS SLOPE IS LESS THAN 2.0% HOLD 1 1/2" AT OUTER EDGE OF REMOVAL AND REDUCE DEPTH AT CENTERLINE TO INCREASE CROSS SLOPE TO 2.0% OR A MINIMUM DEPTH AT CENTERLINE OF 1/4". THE REMOVAL DEPTH INCREASES TO 3" BETWEEN STA. 1+00 TO STA. 1+99. SEE THE TRANSITION DETAIL.
- 4 THE P.C.C. WIDENING HAS BEEN PREVIOUSLY MILLED AND RESURFACED BETWEEN STA. 13+85 TO STA. 17+55. THE PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH AND LEVELING BINDER SHALL EXTEND TO THE CURB IN THIS AREA.
- 5 TIE BARS THAT ARE PLACED IN CONCRETE SHALL BE 30" LONG AT 30" CENTERS. TIE BARS THAT ARE DRILLED AND GROUTED SHALL BE 24" LONG AT 24" CENTERS. TIE BARS IN CONCRETE CURB, TYPE B SHALL BE "L" BARS ROTATED TO PROVIDE 3" OF CLEARANCE.
- 6 NEW SIDEWALK CROSS SLOPE PERPENDICULAR TO THE DIRECTION OF TRAVEL SHALL BE 1.00% TO 1.50% DESIRED WITH 2.00% ABSOLUTE MAXIMUM. THE ONLY EXCEPTION IS TRANSITION PANELS THAT MEET EXISTING SIDEWALK.
- 7 1-1/2" OF LEVELING BINDER IS ONLY INCLUDED FROM STA. 44+20 TO STA. 44+80. SEE TYPICAL SECTIONS AT SIDEROADS FOR MORE DETAIL.
- 8 LEVELING BINDER IS ONLY INCLUDED FROM STA. 60+70 TO STA. 62+80. THIS LEVELING BINDER SHALL BE PLACED 1-1/2" THICK AT CENTER LINE AND 1" THICK AT OUTER EDGE AT 15 FEET LEFT AND RIGHT.

PAVING LEGEND

- 1 EXISTING 3" HMA SURFACE
- 2 EXISTING 3" BRICK W/ 1" SAND CUSHION
- 3 EXISTING 4" CONCRETE BASE
- 4 EXISTING P.C.C. WIDENING
- 5 EXISTING CONCRETE CURB, TYPE B (DOWELED)
- 6 EXISTING P.C.C. OR BRICK SIDEWALK
- 7 EXISTING C.C.&G TYPE B-6.12
- 8 EXISTING C.C.&G TYPE B-6.18
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- 10 EXISTING P.C. CONCRETE PAVEMENT, PAVEMENT WIDENING & P.C. CONCRETE ON BRICK - VARIABLE DEPTHS.
- 11 PROPOSED HMA SURFACE REMOVAL, VARIABLE DEPTH - SEE NOTE 3 SHOWN AS
- 12 PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- 13 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), N 70 (1-1/2")
- 14 PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "D", N 70 (1-1/2")
- 15 PROPOSED P.C.C. SIDEWALK, 4 INCH
- 16 PROPOSED No. 6 TIE BARS SEE NOTE 5

MIX DESIGNS

MIXTURE USE	POLY SURFACE	POLY LEVEL BINDER
AC/PG	SBS PG 76-22	SBS PG 76-22
MAX. RAP %	*	*
DESIGN AIR VOIDS	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

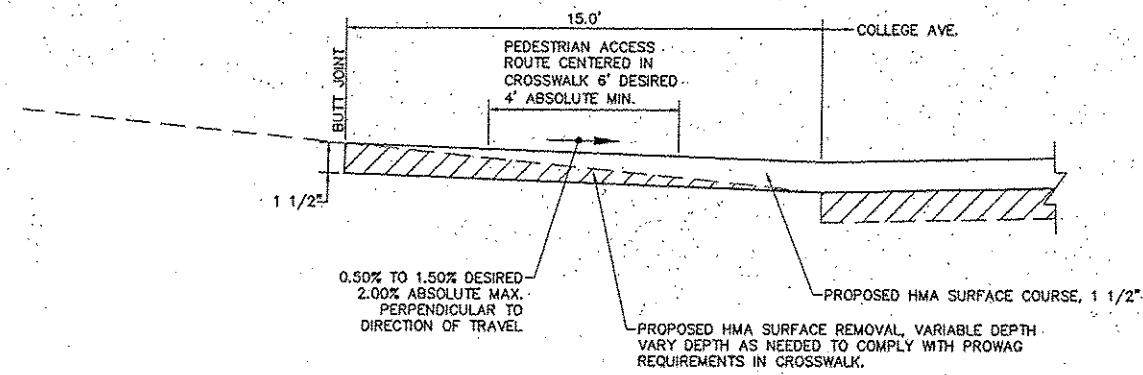
*SEE SPECIAL PROVISIONS

REVISIONS	

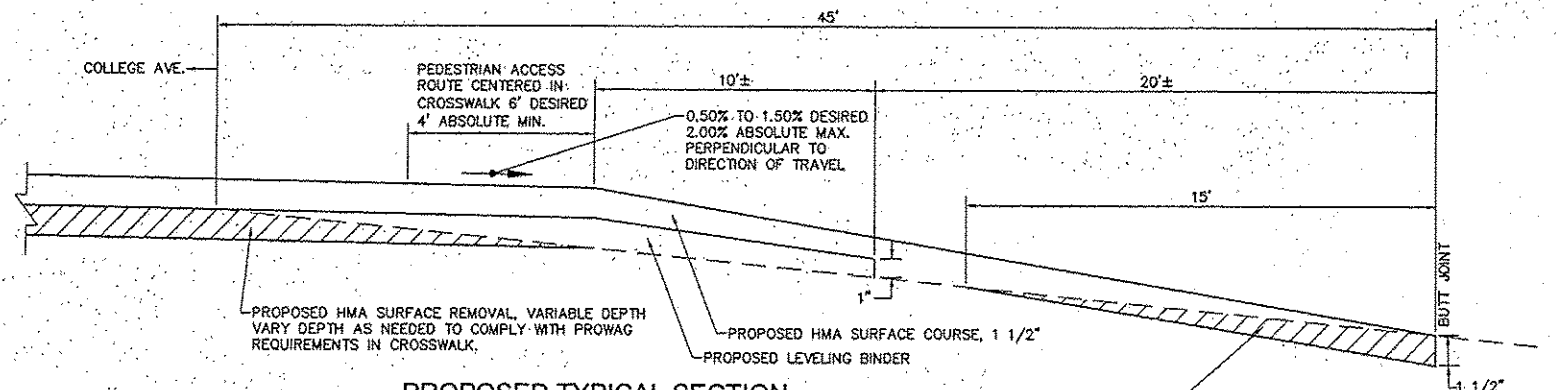
SHEPPARD, MORGAN & SCHWAAB, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9155 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Geneva, IL 60135 618277-9100 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PROPOSED TYPICAL SECTIONS

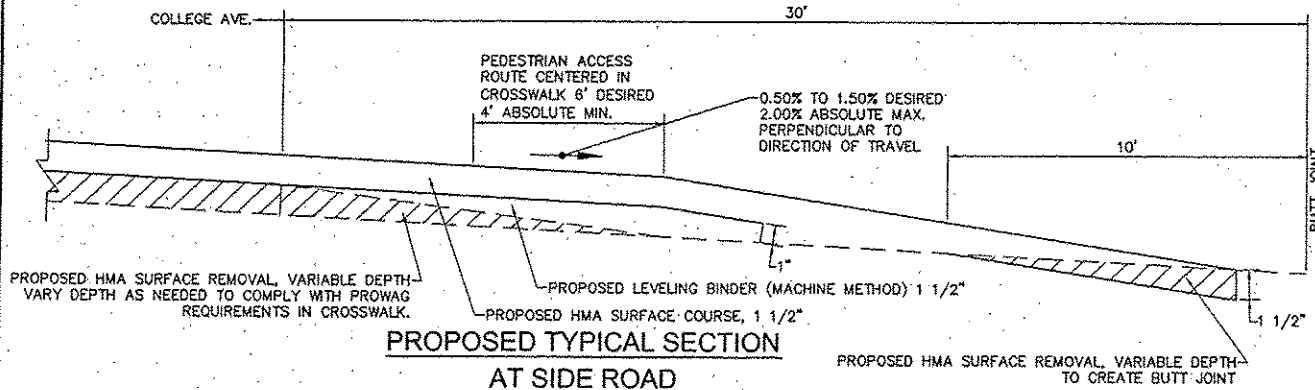
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REF. BK.	PG.
JOB NO.	208263
DSN. BY.	DEG
DWN. BY.	CDP
CHK. BY.	DEG
DATE.	MARCH, 2015
SCALE.	NONE
SHEET	6 OF 38



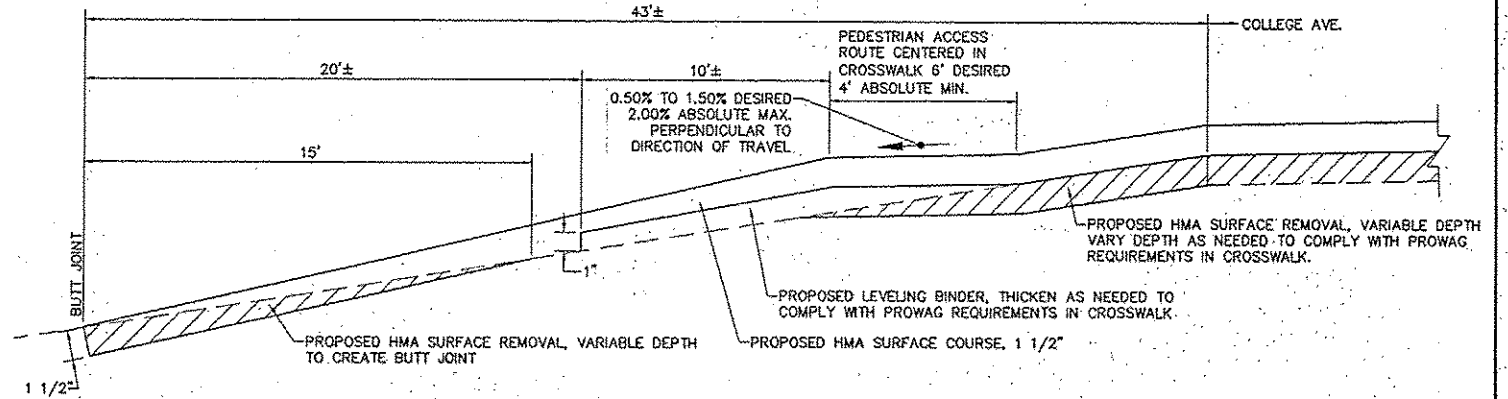
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AT SIDE ROAD
PLEASANT ST. (LEFT)**



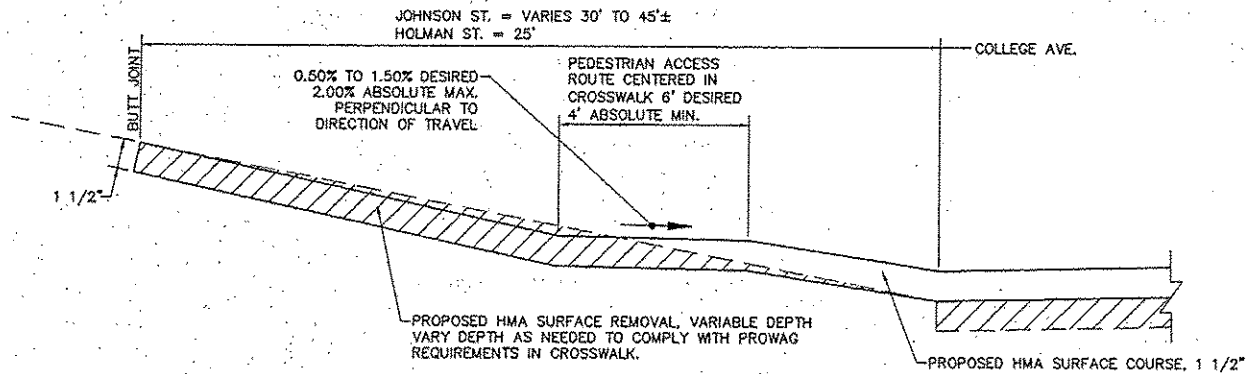
**PROPOSED TYPICAL SECTION
AT SIDE ROAD
ROCK SPRINGS DRIVE (RIGHT)**



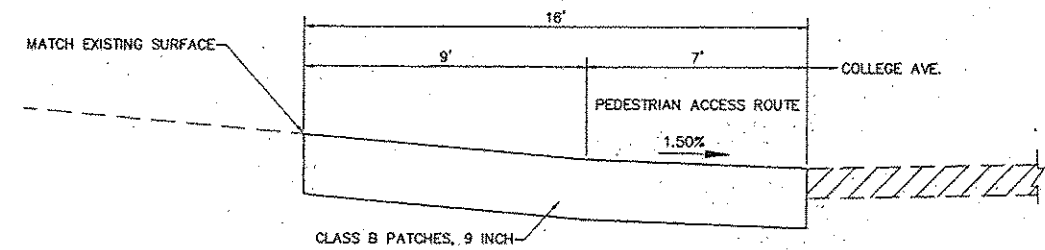
**PROPOSED TYPICAL SECTION
AT SIDE ROAD
PLEASANT ST. (RIGHT)**



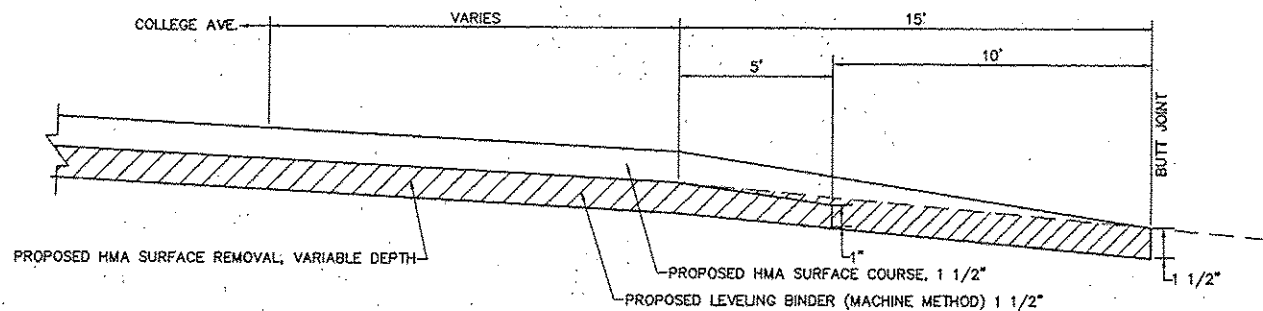
**PROPOSED TYPICAL SECTION
AT SIDE ROAD
ROCK SPRINGS DRIVE (LEFT)**



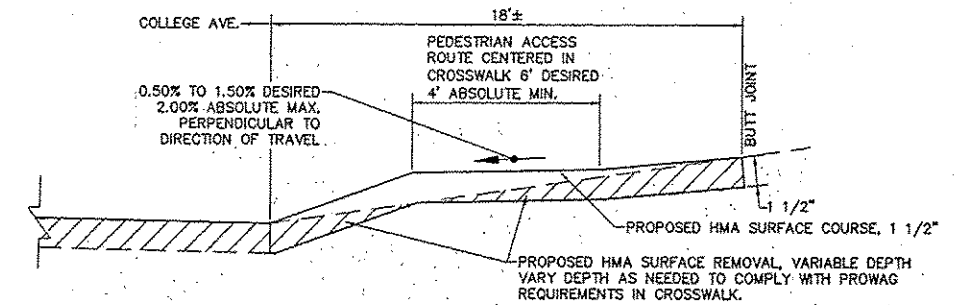
**PROPOSED TYPICAL SECTION
AT SIDE ROAD
JOHNSON ST. (LEFT) HOLMAN ST. (LEFT)**



**PROPOSED TYPICAL SECTION
AT SIDE ROAD
HUMBERT ST. (LEFT)**



**PROPOSED TYPICAL SECTION
AT SIDE ROAD
JOHNSON ST. (RIGHT)**



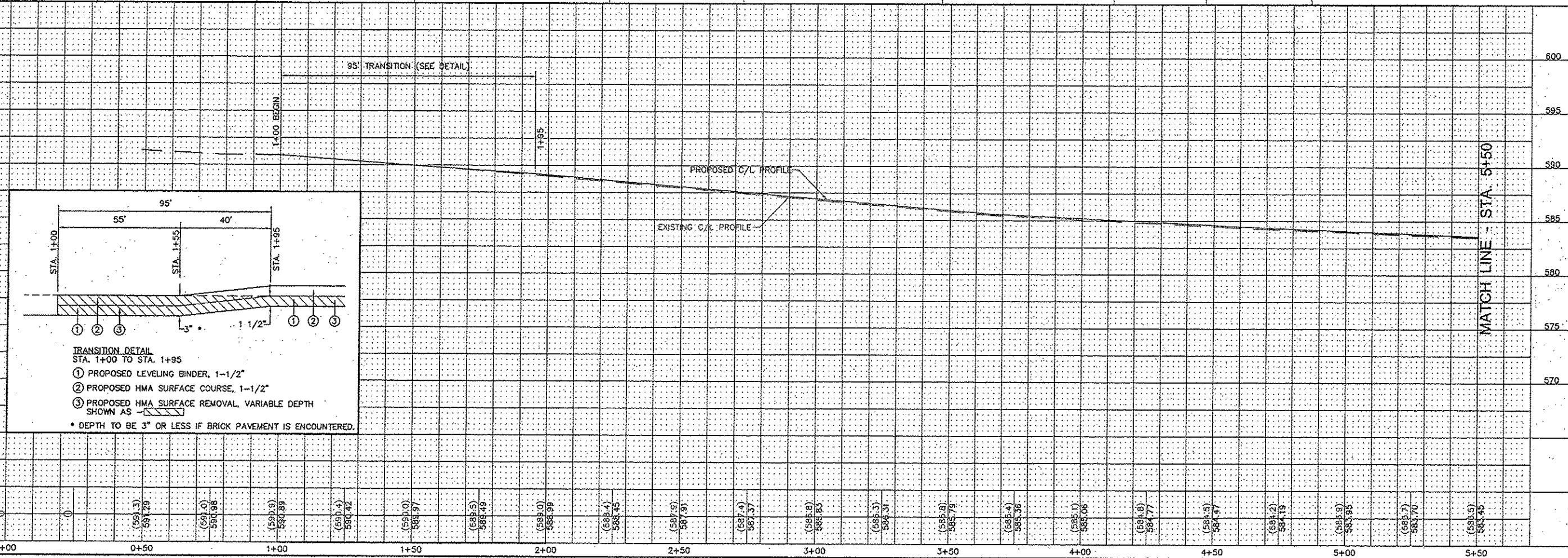
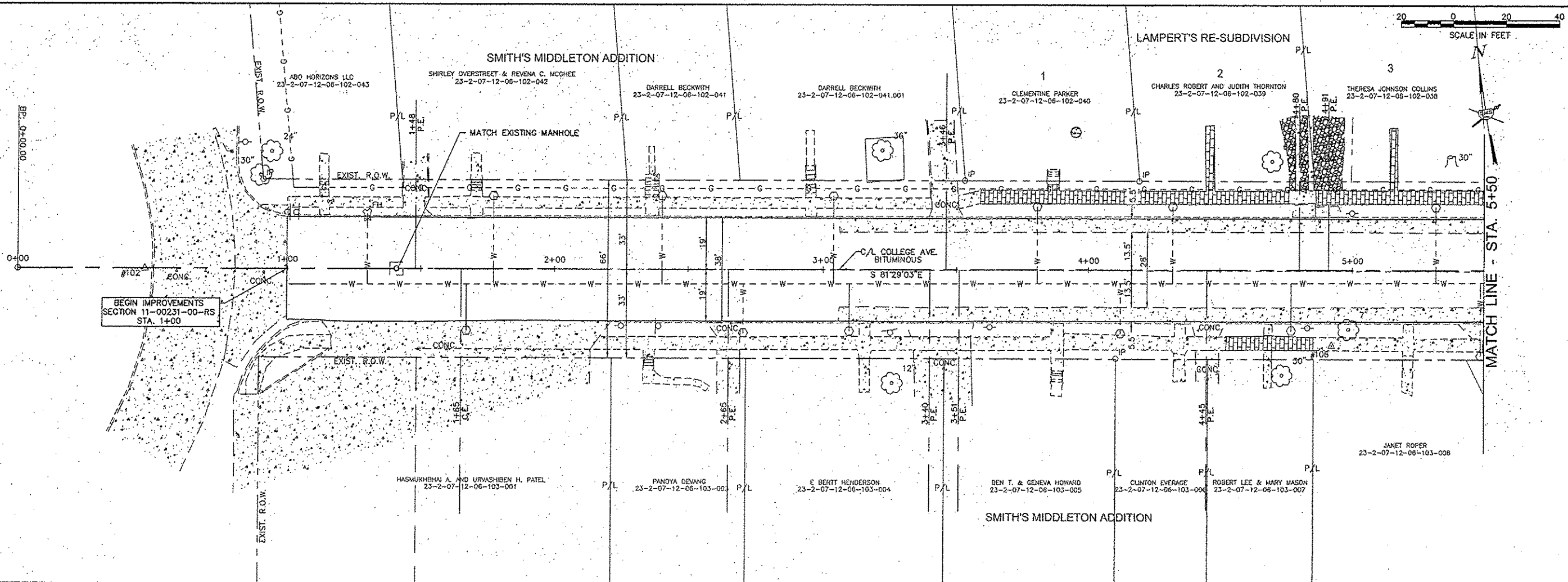
**PROPOSED TYPICAL SECTION
AT SIDE ROAD
JERSEY ST. (RIGHT)**

NO.	REVISIONS

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 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 60002 618/293-9755 Fax: 618/293-9755
 10 Central Industrial Drive, Granite City, IL 62040 618/277-8100 E-mail: mail@smsengr.com
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CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PROPOSED TYPICAL SECTIONS AT SIDEROADS

CONTRACT NO.	97590
DWG. NO.	COLLEGE DETAILS 2.DWG
REF. BK.	PG.
JOB NO.	208263
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	MARCH, 2015
SCALE:	NONE
SHEET	7 OF 38



REVISIONS

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CONSULTING ENGINEERS AND LAND SURVEYORS

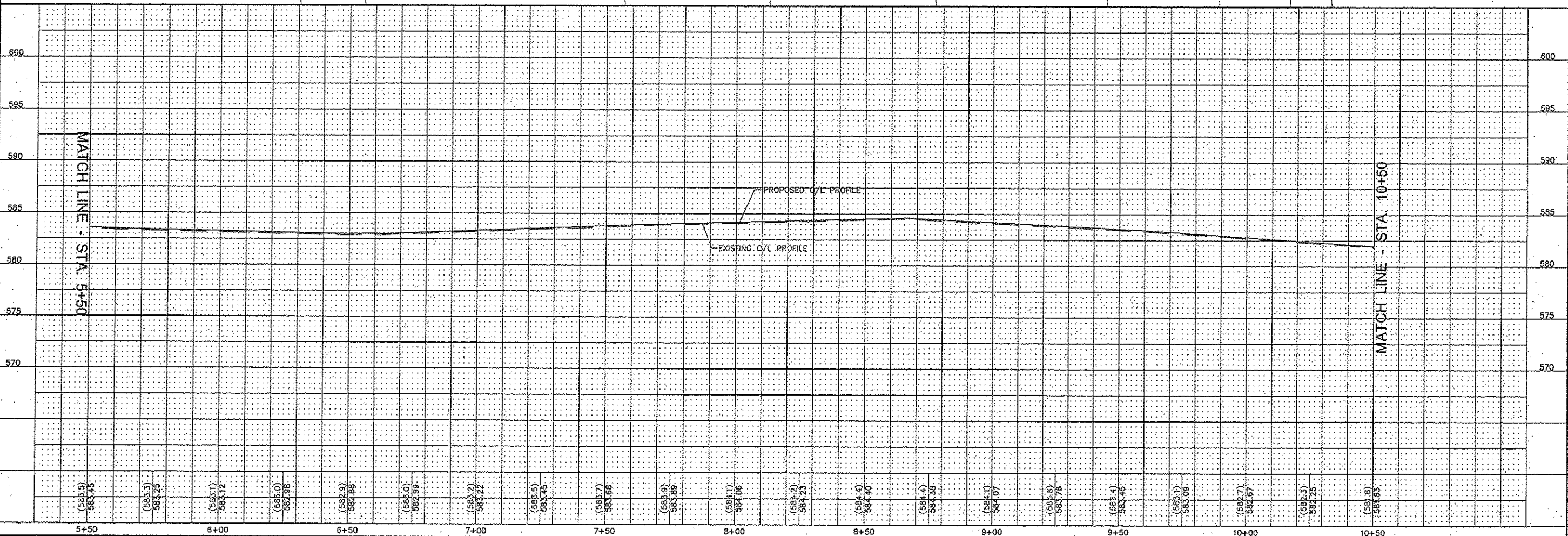
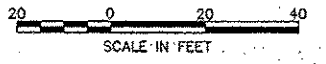
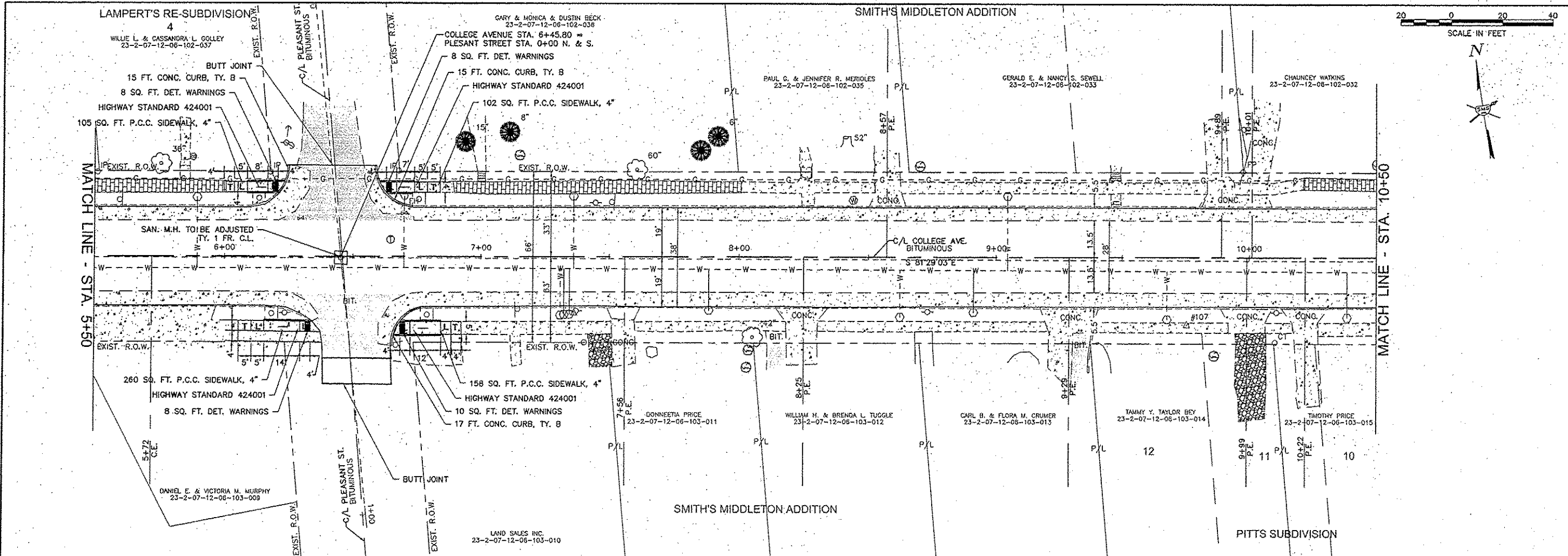
215 Market Street, P.O. Box E, Alton, IL 62002 618/282-9755 E-mail: mail@smsengineers.com
10 General Industrial Drive, Suite 3, Grant, IL 62040 618/377-8100 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PLAN AND PROFILE

CONTRACT NO. 97590

DWG. NO. COLLEGE PP SHEETS.DWG
REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: COP
CHK. BY: DEG
DATE: MARCH, 2015
SCALE: HORZ: 1"=20'
VERT: 1"=5'

SHEET 8 OF 38



REVISIONS

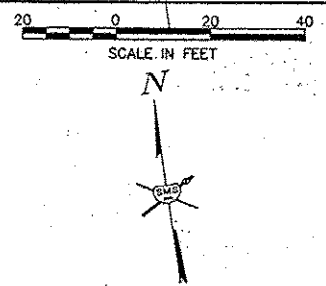
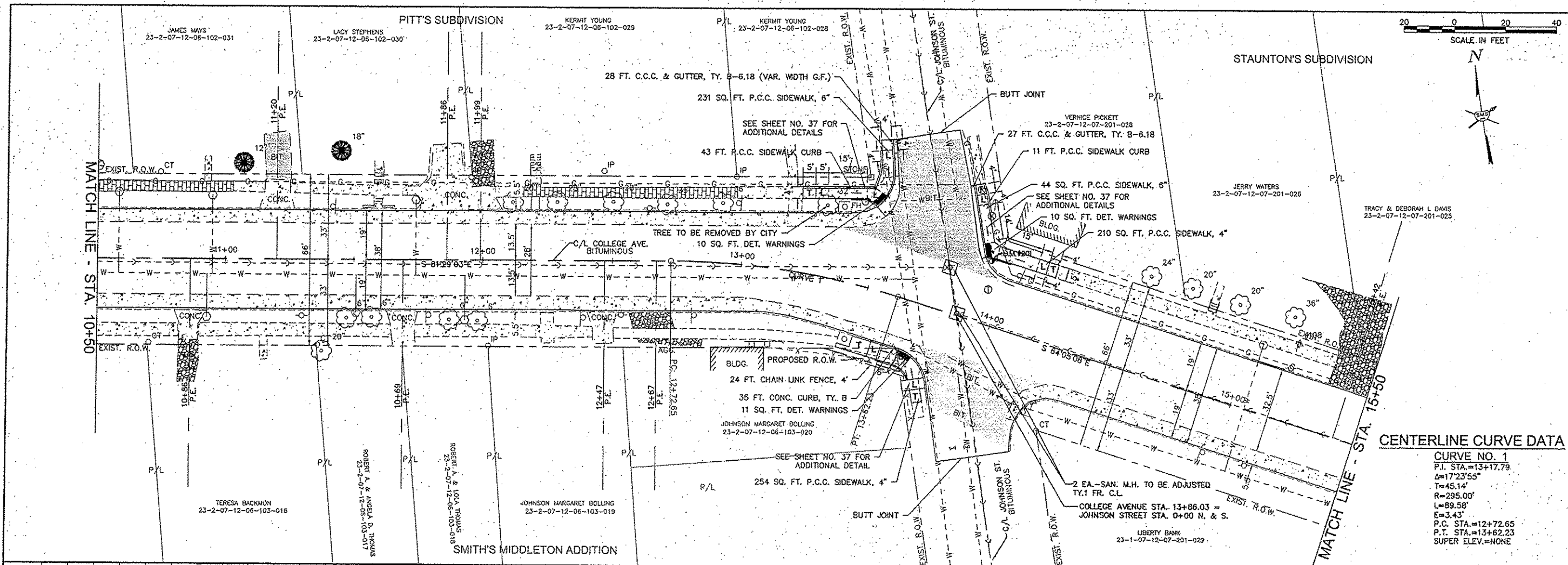
SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002, 618/462-9755, E-mail: mail@smsengineers.com
 20 Central Industrial Drive, Suite 3, Granite City, IL 62040, 618/271-8700, E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PLAN AND PROFILE

CONTRACT NO. 97590

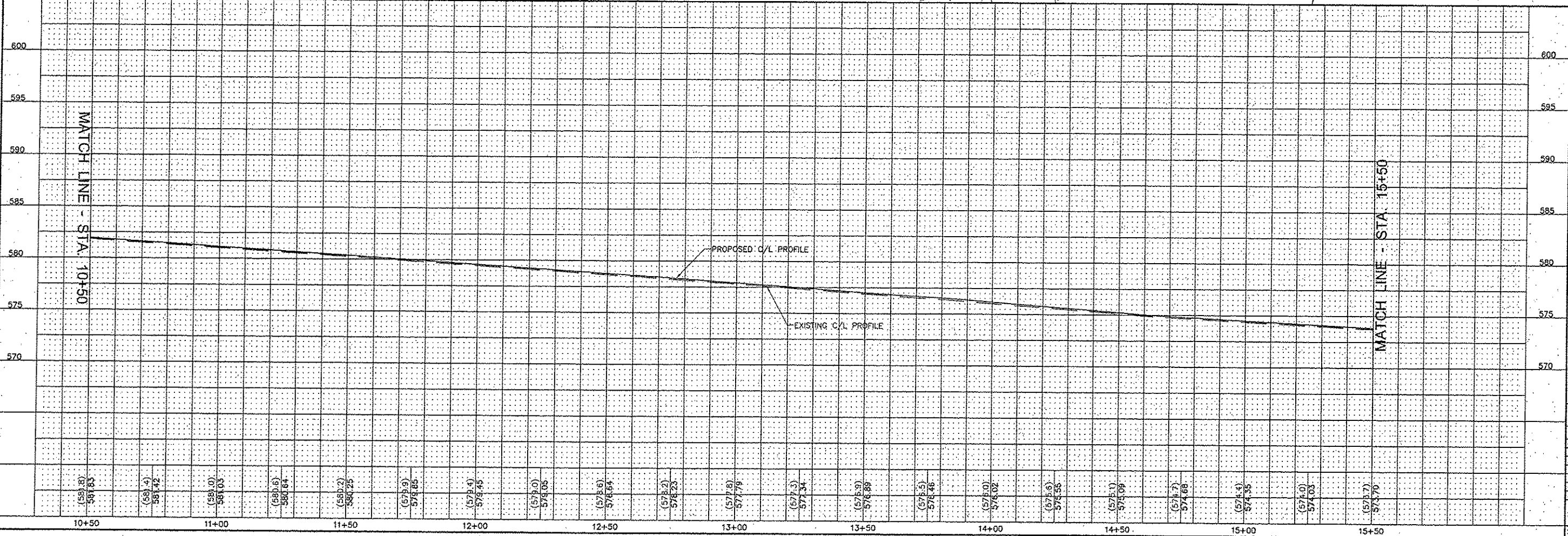
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REF. BK.	PG.
JOB NO.	208263
DSN. BY:	DEG
OWN. BY:	COP
CHK. BY:	DEG
DATE:	MARCH, 2015
SCALE:	HORIZ: 1"=20' VERT: 1"=5'

SHEET 9 OF 38



CENTERLINE CURVE DATA

CURVE NO. 1
 P.I. STA.=13+17.78
 $\Delta=17^{\circ}23'55''$
 T=45.14'
 R=295.00'
 L=89.58'
 E=3.43'
 P.C. STA.=12+72.65
 P.T. STA.=13+62.23
 SUPER ELEV.=NONE



REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Maple Street, P.O. Box E, Alton, IL 62007 618/262-9116 Fax: 618/262-9117
 10 General Highway, Suite 303, Granite City, IL 62040 618/277-7400 E-mail: mail@smseng.com
 DESIGN FIRM # 184-000992

ENGINEERS

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PLAN AND PROFILE

CONTRACT NO. 97590

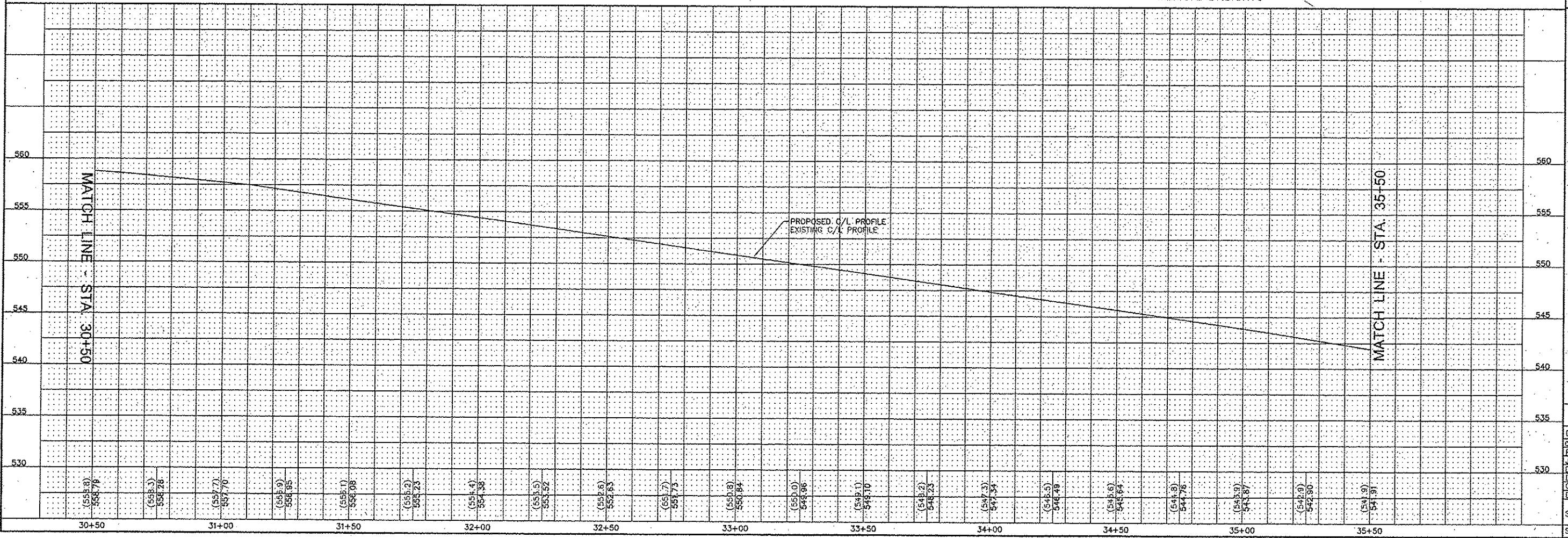
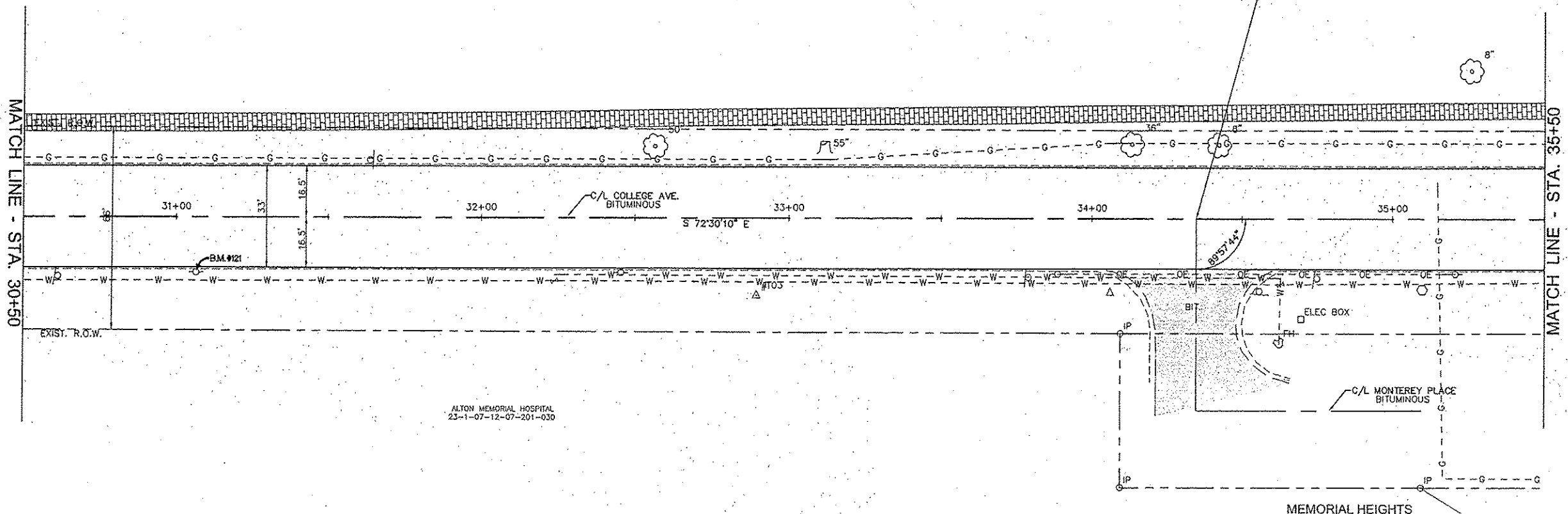
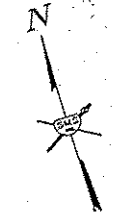
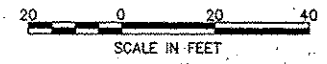
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 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: MARCH, 2015

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

SHEET 10 OF 38

CITY OF ALTON
23-1-07-12-12-201-001

ROCK SPRINGS PARK



REVISIONS

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618-662-9755 E-mail: sms@smsengineers.com
19 Cahoon Industrial Drive, Suite 3, Granite City, IL 62040 618-977-4700 E-mail: mls@smsengineers.com
DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PLAN AND PROFILE

CONTRACT NO. 97590

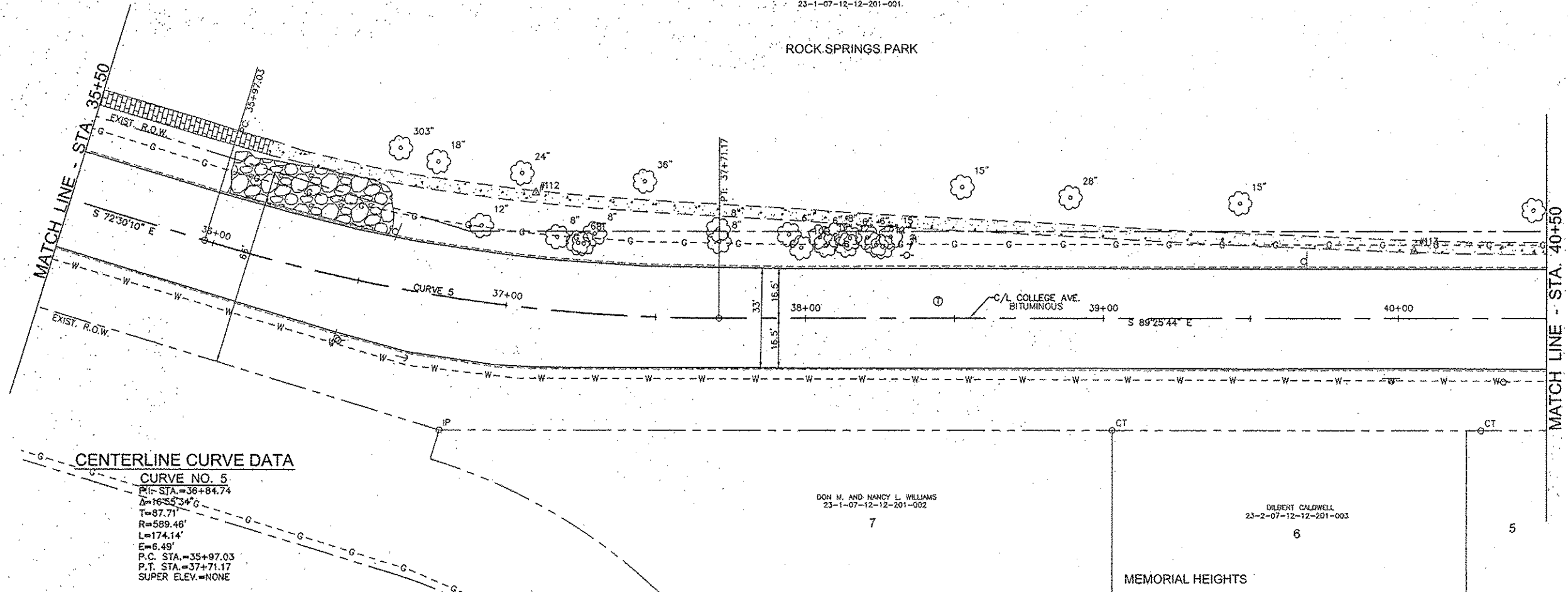
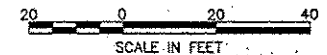
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REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: COP
CHK. BY: DEG
DATE: MARCH, 2015

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

SHEET 14 OF 38

CITY OF ALTON
23-1-07-12-12-201-001

ROCK SPRINGS PARK



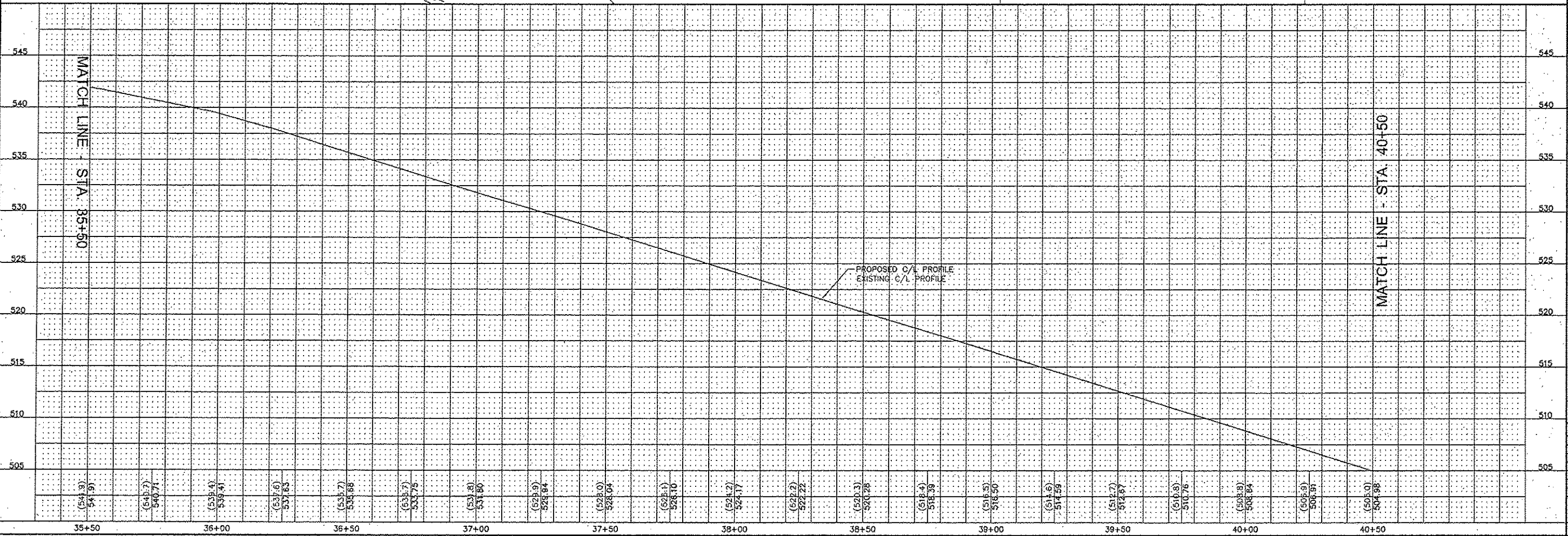
CENTERLINE CURVE DATA

CURVE NO. 5
 P.I. STA. = 36+84.74
 $\Delta = 16^{\circ}55'34''$
 T = 87.71'
 R = 589.46'
 L = 174.14'
 E = 6.49'
 P.C. STA. = 35+97.03
 P.T. STA. = 37+71.17
 SUPER ELEV. = NONE

DON M. AND NANCY L. WILLIAMS
23-1-07-12-12-201-002
7

DILBERT CALDWELL
23-2-07-12-12-201-003
6

MEMORIAL HEIGHTS



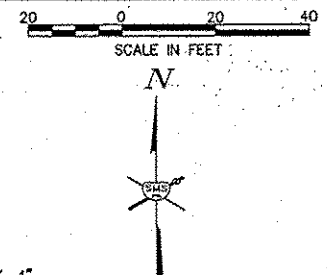
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SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618465-9755 E-mail: mail@smseng.com
 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618977-6100 E-mail: mail@smseng.com
 DESIGN FIRM # 184-000992



CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PLAN AND PROFILE

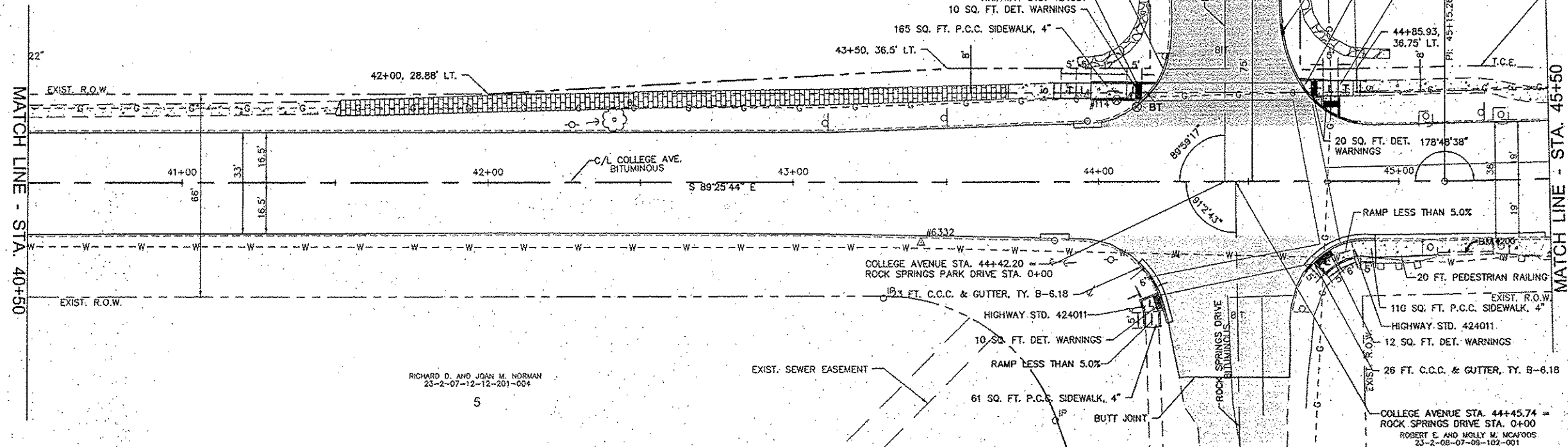
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JOB NO. 208253
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OWN. BY: COP
CHK. BY: DEG
DATE: MARCH, 2015
SCALE: HORZ: 1"=20' VERT: 1"=5'
SHEET 15 OF 38



CITY OF ALTON
23-1-07-12-12-201-001

ROCK SPRINGS PARK

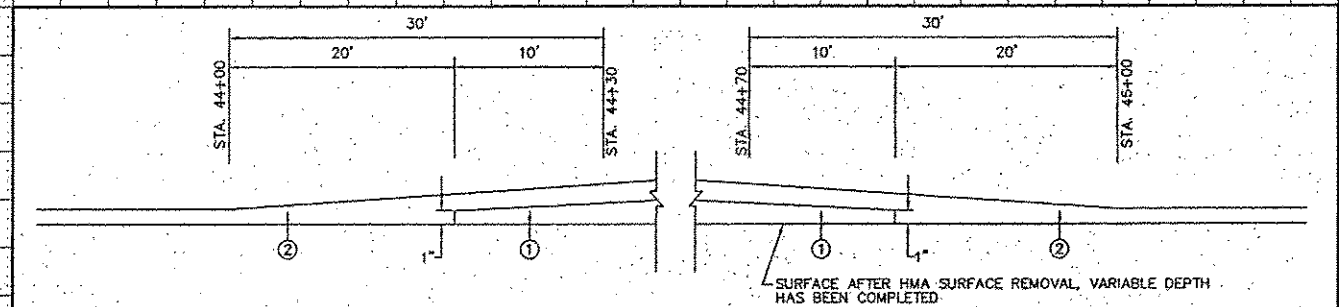
ALTON CUSD #11
23-2-08-07-09-101-009



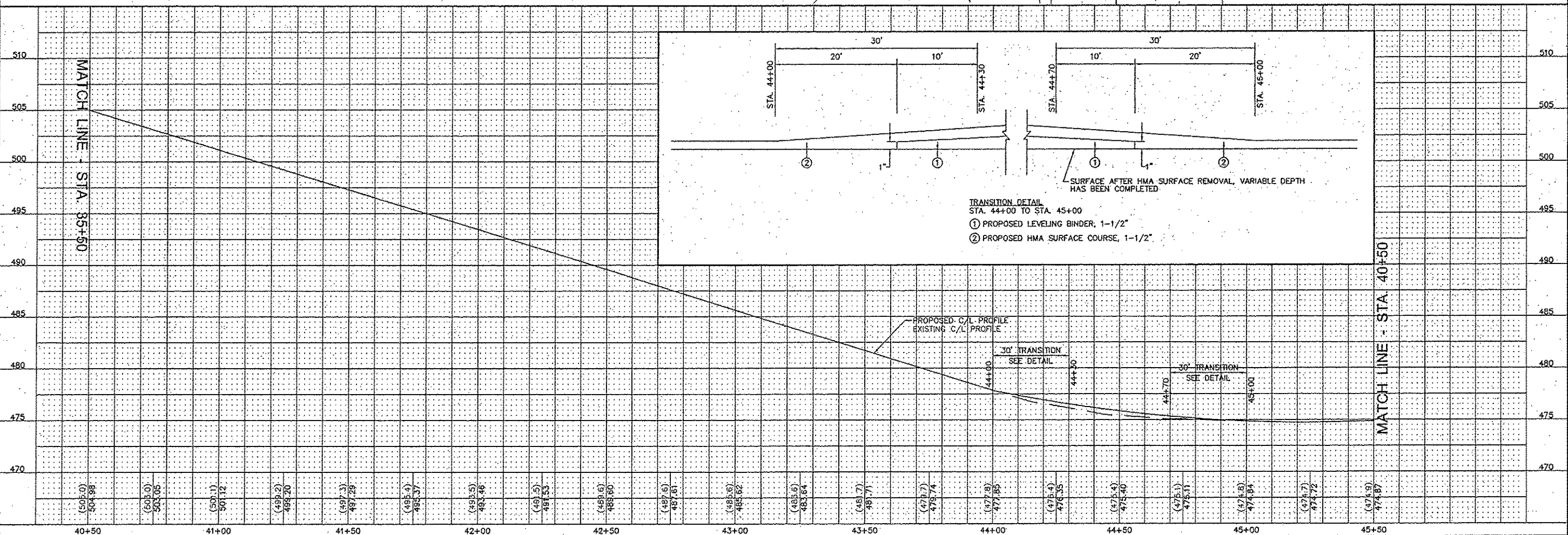
RICHARD D. AND JOAN M. NORMAN
23-2-07-12-12-201-004
5

EXIST. SEWER EASEMENT

COLLEGE AVENUE STA. 44+45.74 =
ROCK SPRINGS DRIVE STA. 0+00
ROBERT E. AND MOLLY M. MCAFEE
23-2-08-07-09-102-001



TRANSITION DETAIL
STA. 44+00 TO STA. 45+00
① PROPOSED LEVELING BINDER, 1-1/2"
② PROPOSED HMA SURFACE COURSE, 1-1/2"

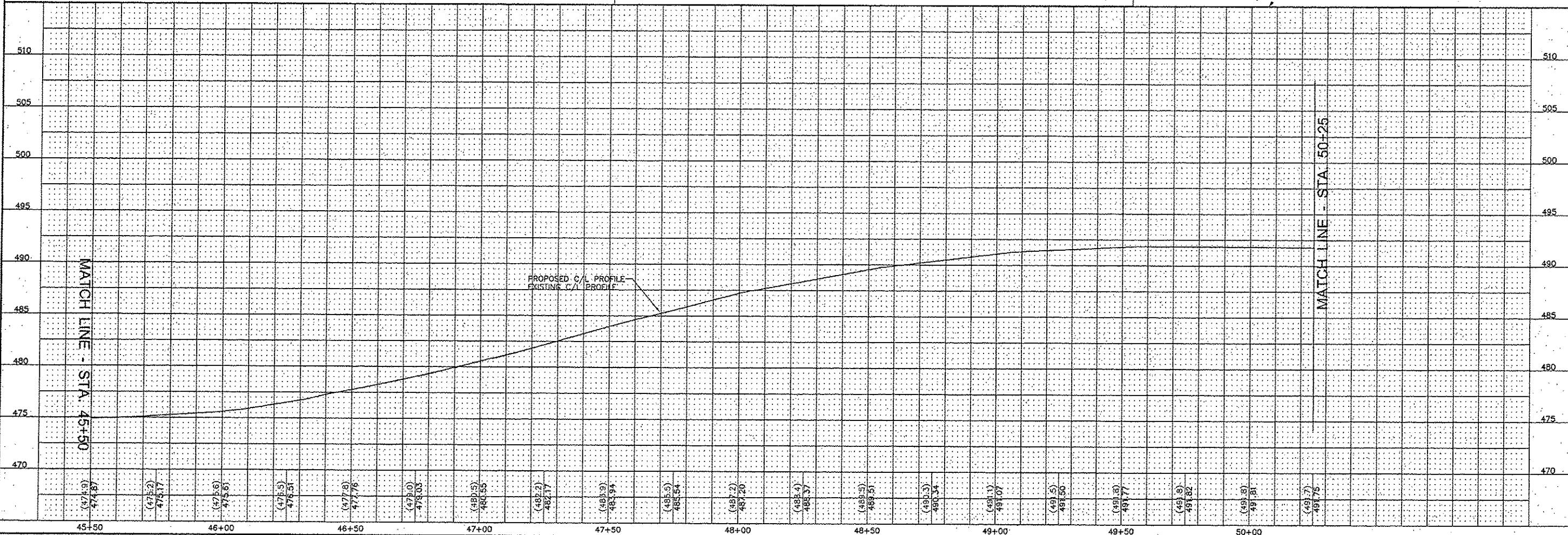
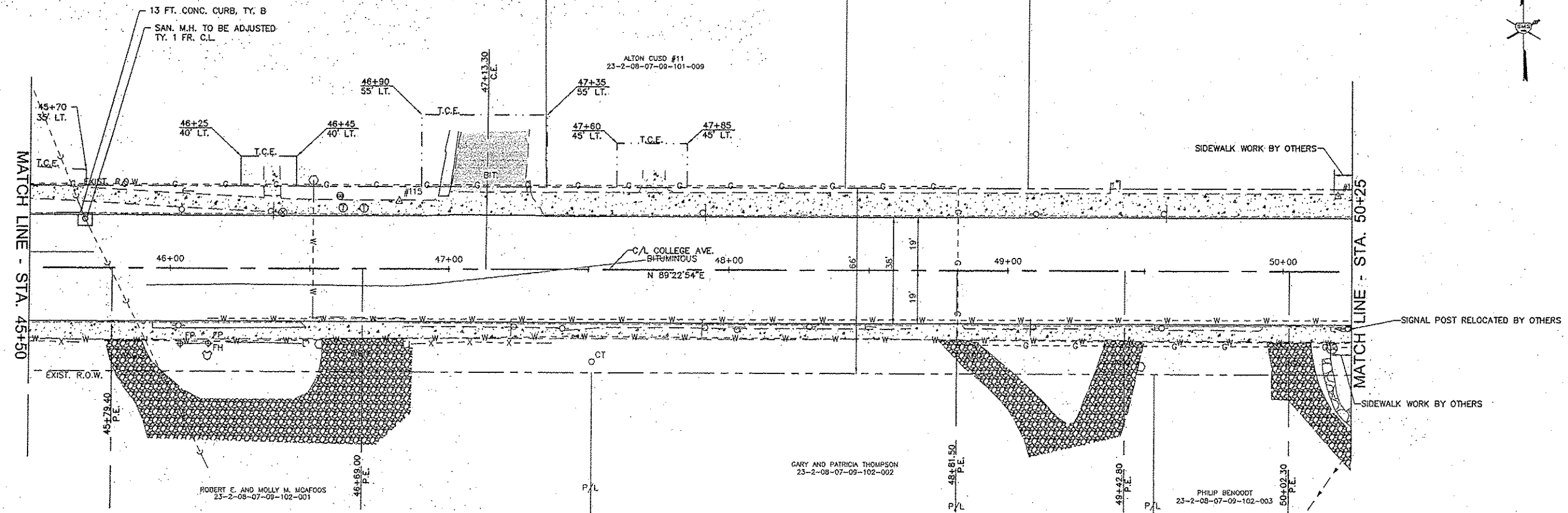
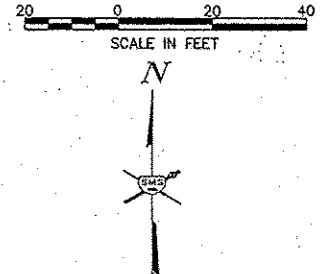


NO.	DESCRIPTION

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618/432-9755 F-mail: mail@smsengineers.com
19 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/977-5700 E-mail: mail@msengr.com
DESIGN PERM # 184-0003992

CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PLAN AND PROFILE

CONTRACT NO. 97590
DWG. NO. COLLEGE PP SHEETS.DWG
REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: MARCH, 2015
SCALE: HORZ: 1"=20' VERT: 1"=5'
SHEET 16 OF 38



NO.	DESCRIPTION

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Maple Street, P.O. Box E, Alton, IL 62002 618-222-9155 Email: mail@smseng.com
 90 Central Industrial Drive, Suite 3, Granite City, IL 62040 618-775-8100 Email: mail@msgschwaab.com
 DESIGN FIRM # 184-000992

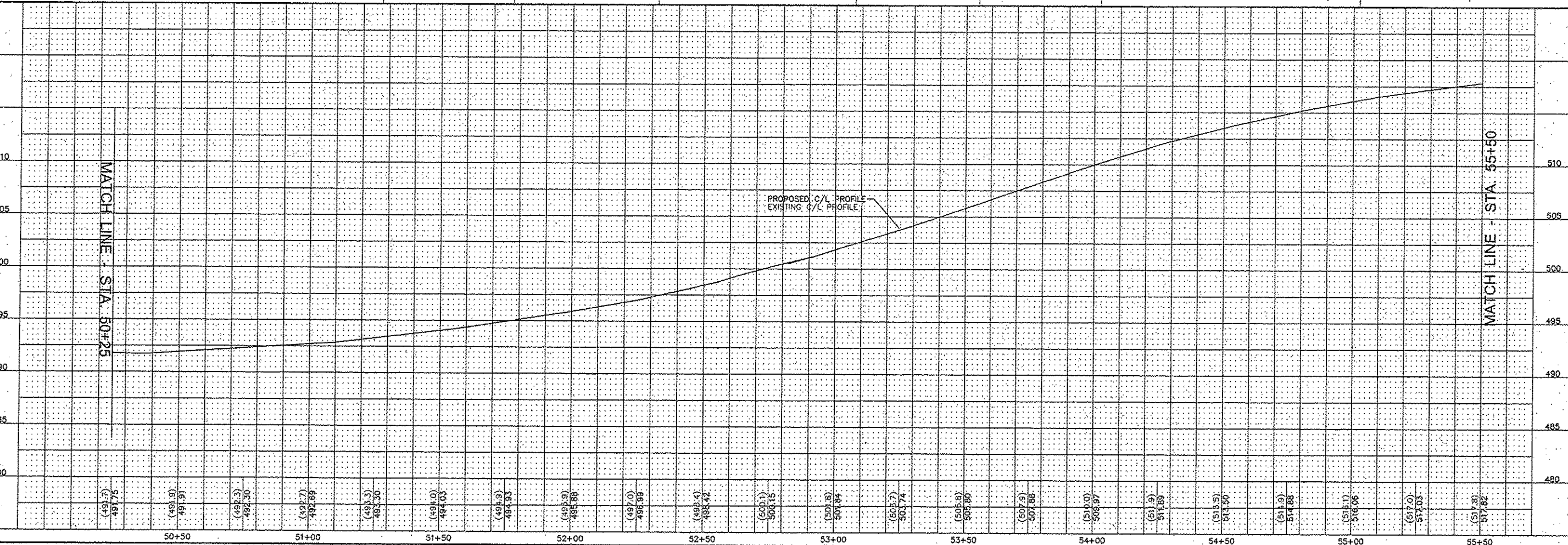
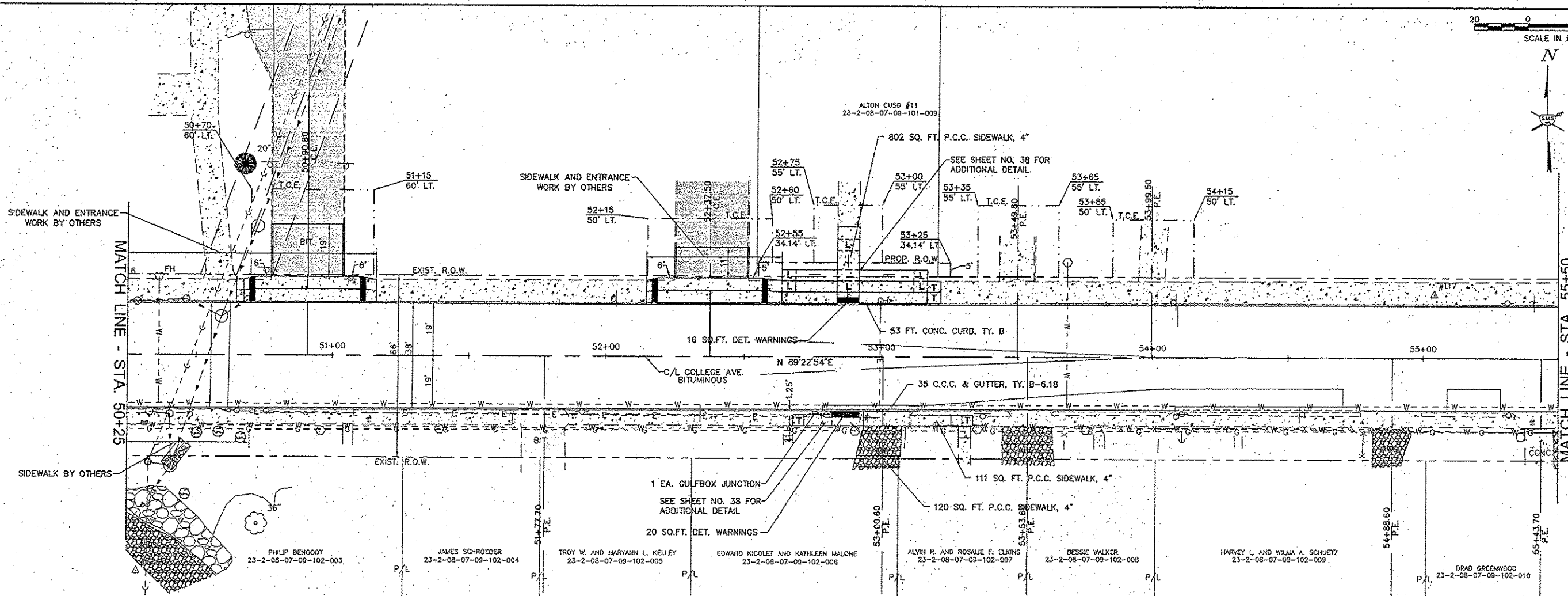
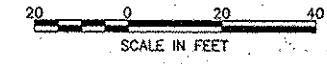
CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PLAN AND PROFILE

CONTRACT NO. 97590

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REF. BK.	PG.
JOB NO.	208263
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	MARCH, 2015

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

SHEET 17 OF 38



NO.	DESCRIPTION

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 115 Market Street, P.O. Box E, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618-977-3700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PLAN AND PROFILE

CONTRACT NO. 97590

DWG. NO. COLLEGE PP SHEETS.DWG
 REF. PK. PG.
 JOB NO. 208263
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: MARCH, 2015

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

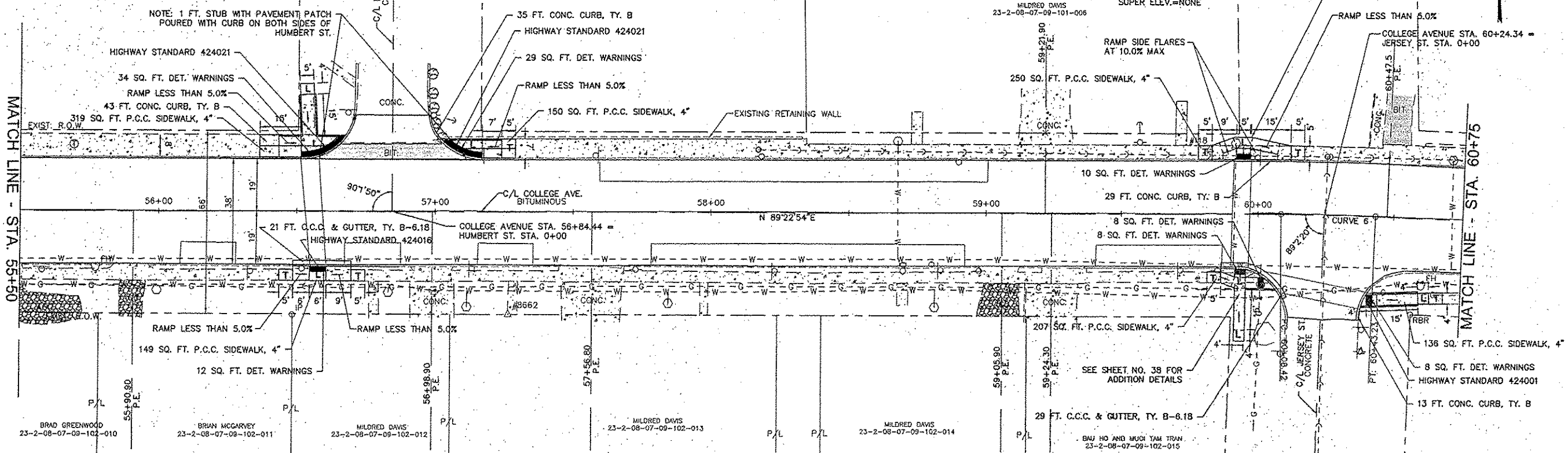
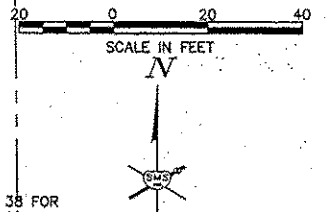
SHEET 18 OF 38

ALTON CUSD #11
23-2-08-07-09-101-009

MILDRED DAVIS
23-2-08-07-09-101-008

CENTERLINE CURVE DATA

CURVE NO. 6
P.I. STA.=60+25.82
Δ=02°14'58"
T=17.40'
R=886.49'
L=34.80'
E=0.17'
P.C. STA.=60+08.42
P.T. STA.=60+43.23
SUPER. ELEV.=NONE

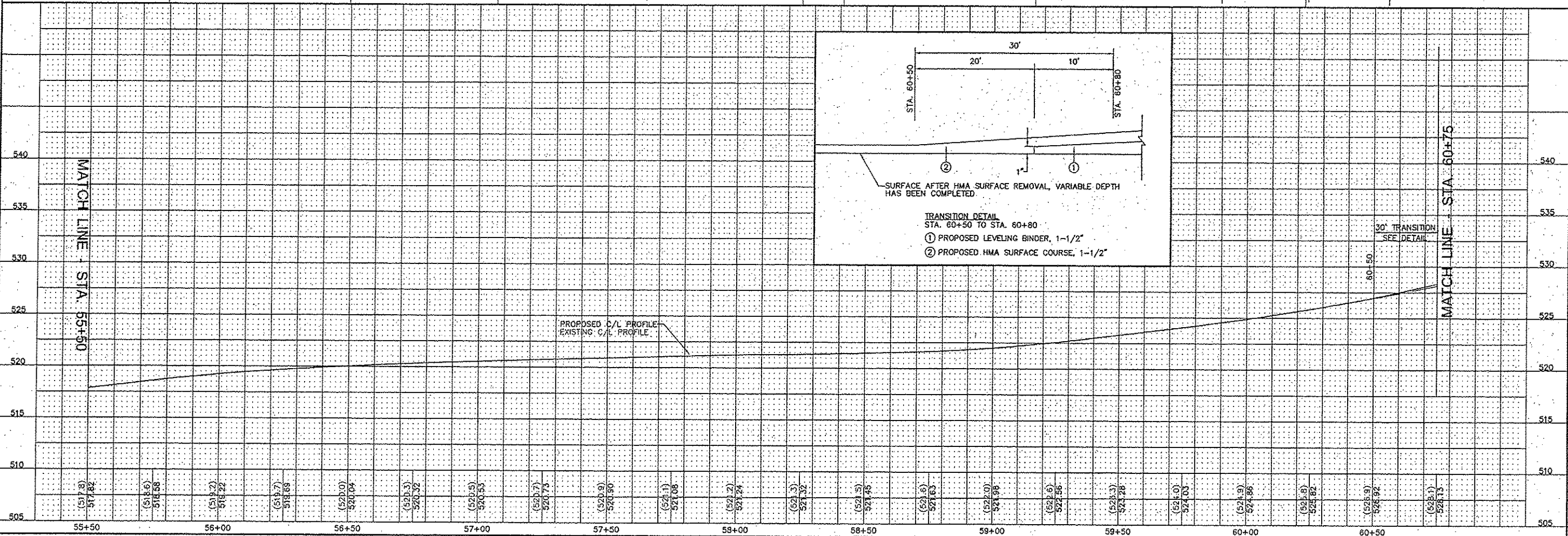


MATCH LINE - STA. 55+50

MATCH LINE - STA. 60+75

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
ENGINEERS
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002, 618-462-9755, E-mail: sms@smsmorganschwab.com
10 Central National Drive, Suite 3, Geneva City, IL 62030, 618-371-8700, E-mail: mad@smsmorganschwab.com
DESIGN FIRM # 184-000992



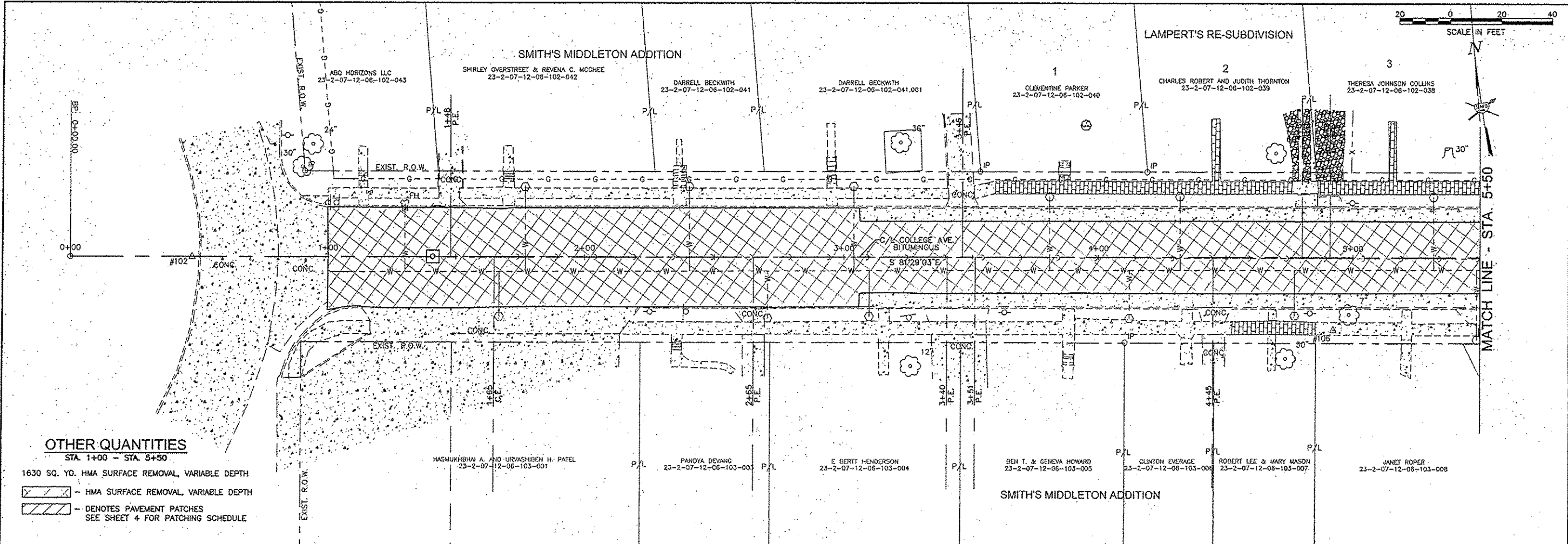
CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PLAN AND PROFILE

CONTRACT NO. 97590

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REF. BK.	PG.
JOB NO.	208283
DSN. BY:	DEG
DWN. BY:	COP
CHK. BY:	DEG
DATE:	MARCH, 2015

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

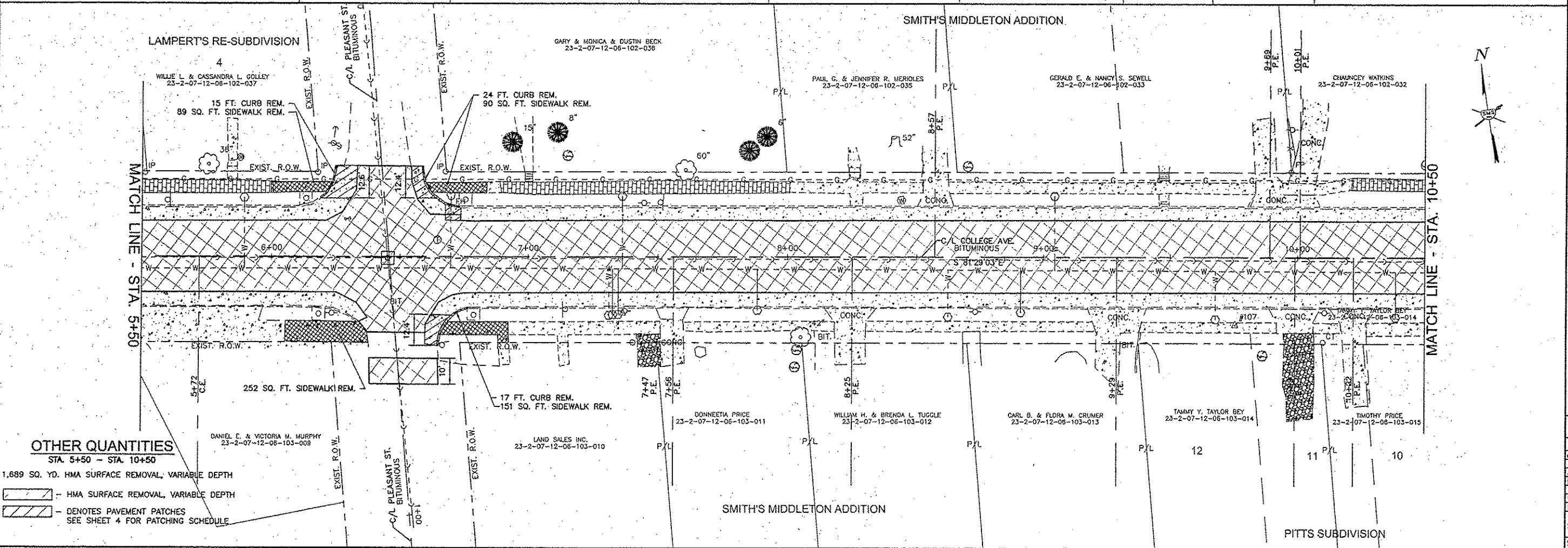
SHEET 19 OF 38



OTHER QUANTITIES

STA. 1+00 - STA. 5+50

- 1630 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- DENOTES PAVEMENT PATCHES SEE SHEET 4 FOR PATCHING SCHEDULE



OTHER QUANTITIES

STA. 5+50 - STA. 10+50

- 1,689 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- DENOTES PAVEMENT PATCHES SEE SHEET 4 FOR PATCHING SCHEDULE

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
ENGINEERS
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 6184629755 E-mail: mail@smssurveyors.com
10 Central Hobbsville Drive, Suite 3, Granite City, IL 62040 6188774700 E-mail: info@smssurveyors.com
DESIGN FIRM # 184-000992

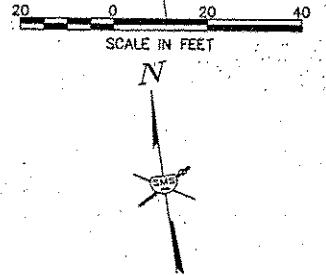
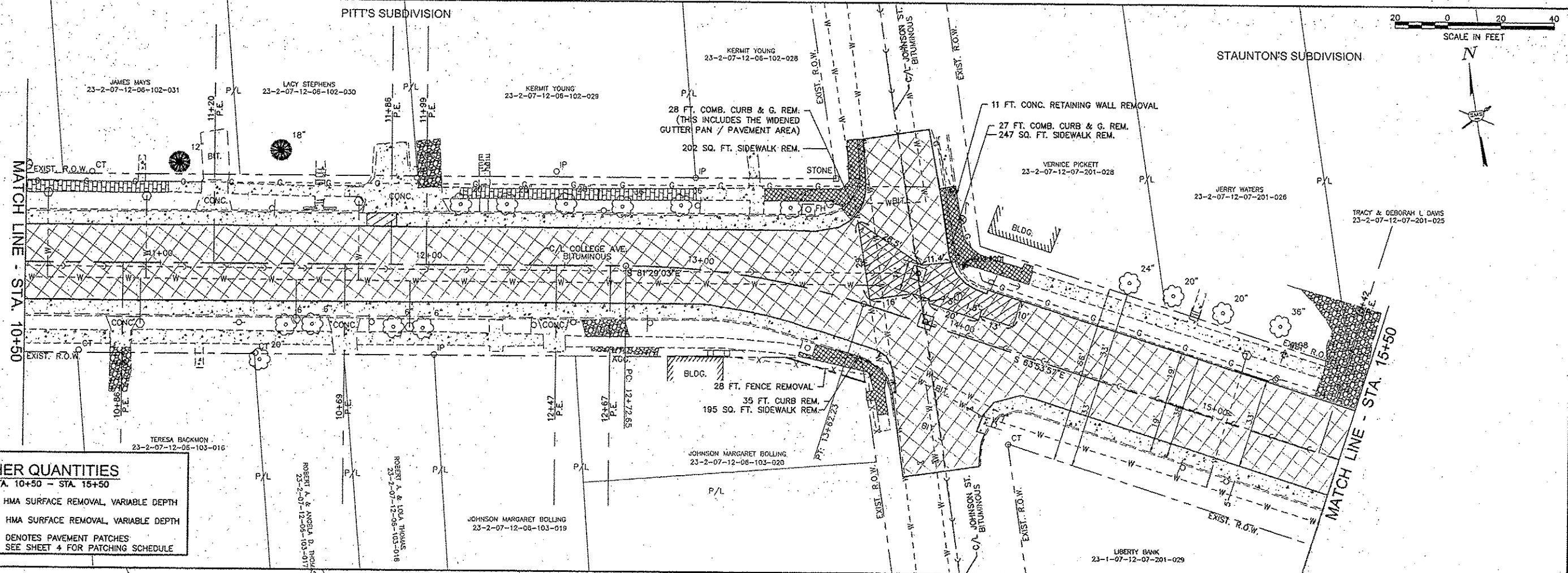
CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PATCHING AND REMOVAL ITEMS

CONTRACT NO. 97590

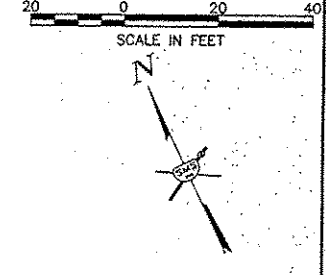
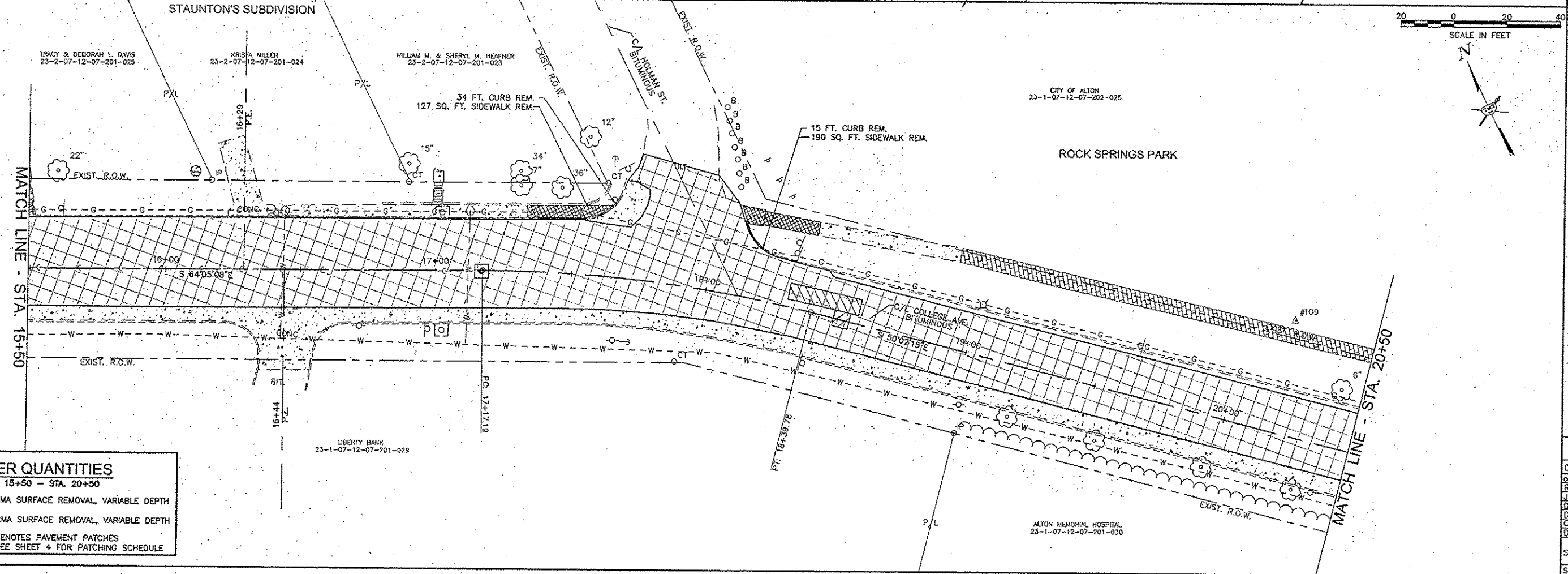
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REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: MARCH, 2015

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

SHEET 21 OF 38



OTHER QUANTITIES
 STA. 10+50 - STA. 15+50
 1,991 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
 [Hatched pattern] - HMA SURFACE REMOVAL, VARIABLE DEPTH
 [Diagonal lines] - DENOTES PAVEMENT PATCHES
 SEE SHEET 4 FOR PATCHING SCHEDULE



OTHER QUANTITIES
 STA. 15+50 - STA. 20+50
 1,732 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
 [Hatched pattern] - HMA SURFACE REMOVAL, VARIABLE DEPTH
 [Diagonal lines] - DENOTES PAVEMENT PATCHES
 SEE SHEET 4 FOR PATCHING SCHEDULE

NO.	DATE	DESCRIPTION

SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618482-9715 E-mail: sms@smsengineers.com
 10 Central Industrial Drive, Suite 1, Granite City, IL 62040 61871-8700 E-mail: mads@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PATCHING AND REMOVAL ITEMS

CONTRACT NO.	97590
DWG. NO.	COLLEGE PP REMOVAL SHEETS.DWG
REF. BK.	PG.
JOB NO.	208263
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	MARCH, 2015
SCALE:	HORIZ: 1"=20' VERT: 1"=5'
SHEET	22 OF 38

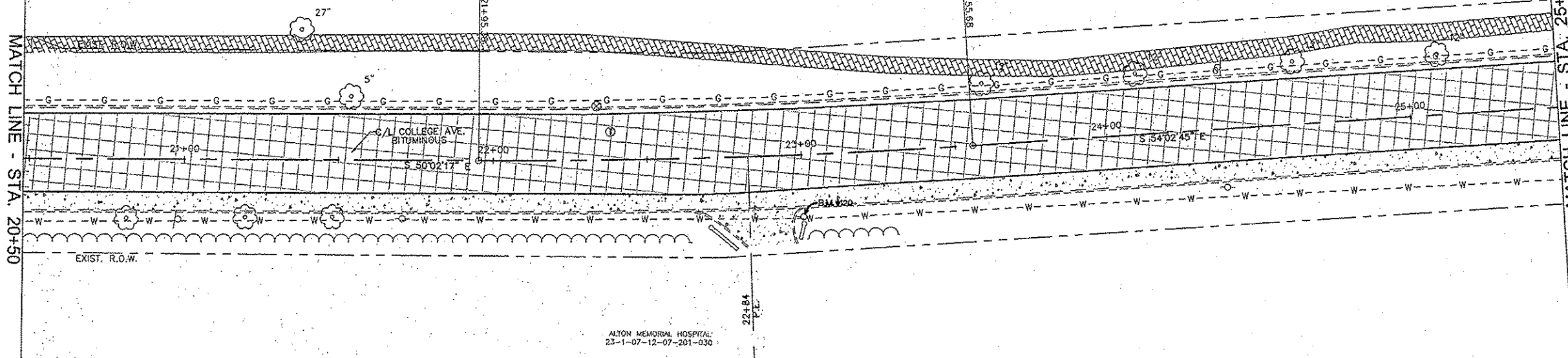
CITY OF ALTON
23-1-07-12-07-202-025

#110

ROCK SPRINGS PARK

MATCH LINE - STA. 20+50

MATCH LINE - STA. 25+50



ALTON MEMORIAL HOSPITAL
23-1-07-12-07-201-030

OTHER QUANTITIES

STA. 20+50 - STA. 25+50

- 1,424 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- [Hatched pattern] - HMA SURFACE REMOVAL, VARIABLE DEPTH
- [Diagonal lines] - DENOTES PAVEMENT PATCHES
SEE SHEET 4 FOR PATCHING SCHEDULE

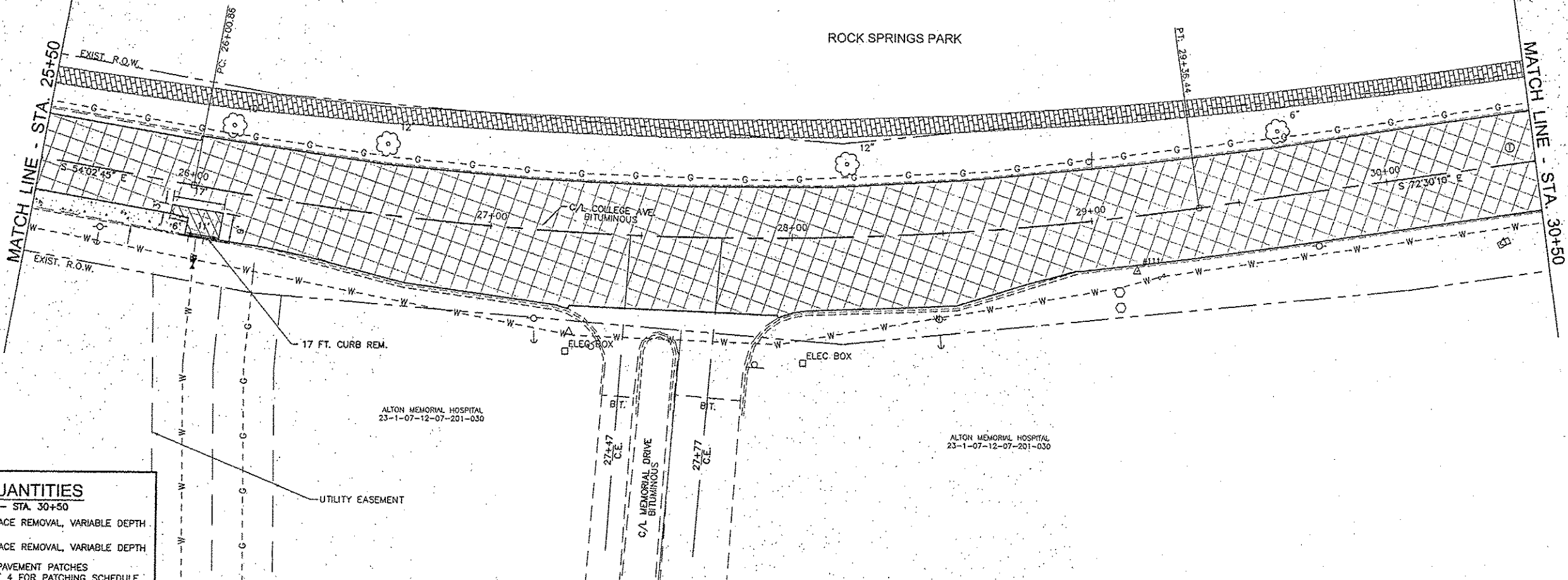
CITY OF ALTON
23-1-07-12-07-202-025

ROCK SPRINGS PARK

SCALE IN FEET
0 20 40

MATCH LINE - STA. 25+50

MATCH LINE - STA. 30+50



ALTON MEMORIAL HOSPITAL
23-1-07-12-07-201-030

ALTON MEMORIAL HOSPITAL
23-1-07-12-07-201-030

OTHER QUANTITIES

STA. 25+50 - STA. 30+50

- 1,979 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- [Hatched pattern] - HMA SURFACE REMOVAL, VARIABLE DEPTH
- [Diagonal lines] - DENOTES PAVEMENT PATCHES
SEE SHEET 4 FOR PATCHING SCHEDULE

REVISIONS

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Alton Memorial Street, P.O. Box E, Alton, IL 62002 618/462-3755 E-mail: ms@smsengineers.com
DESIGN FIRM # 184-000992

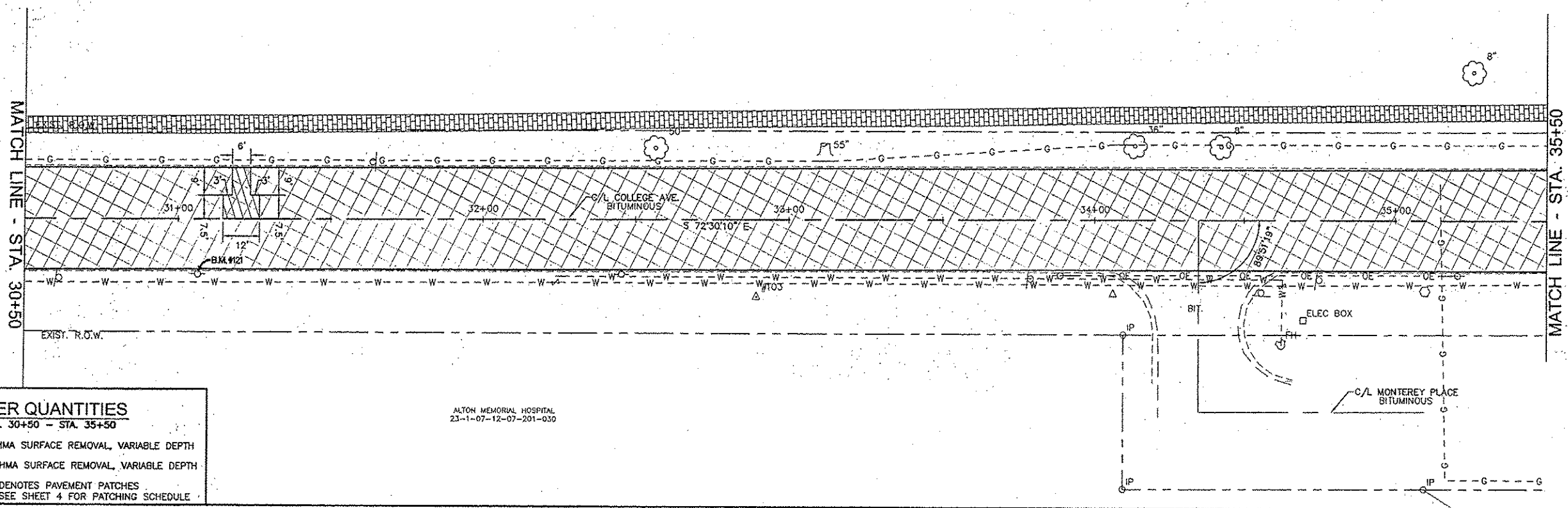
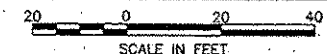
CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PATCHING AND REMOVAL ITEMS

CONTRACT NO. 97590

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REF. BY	
FIG.	
JOB NO.	208263
DSN. BY	DEC
DWN. BY	CDP
CHK. BY	DEC
DATE	MARCH, 2015
SCALE: HORIZ:	1"=20'
VERT:	1"=5'
SHEET	23 OF 38

CITY OF ALTON
23-1-07-12-12-201-001

ROCK SPRINGS PARK



OTHER QUANTITIES
STA. 30+50 - STA. 35+50

- 1,833 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- DENOTES PAVEMENT PATCHES
SEE SHEET 4 FOR PATCHING SCHEDULE

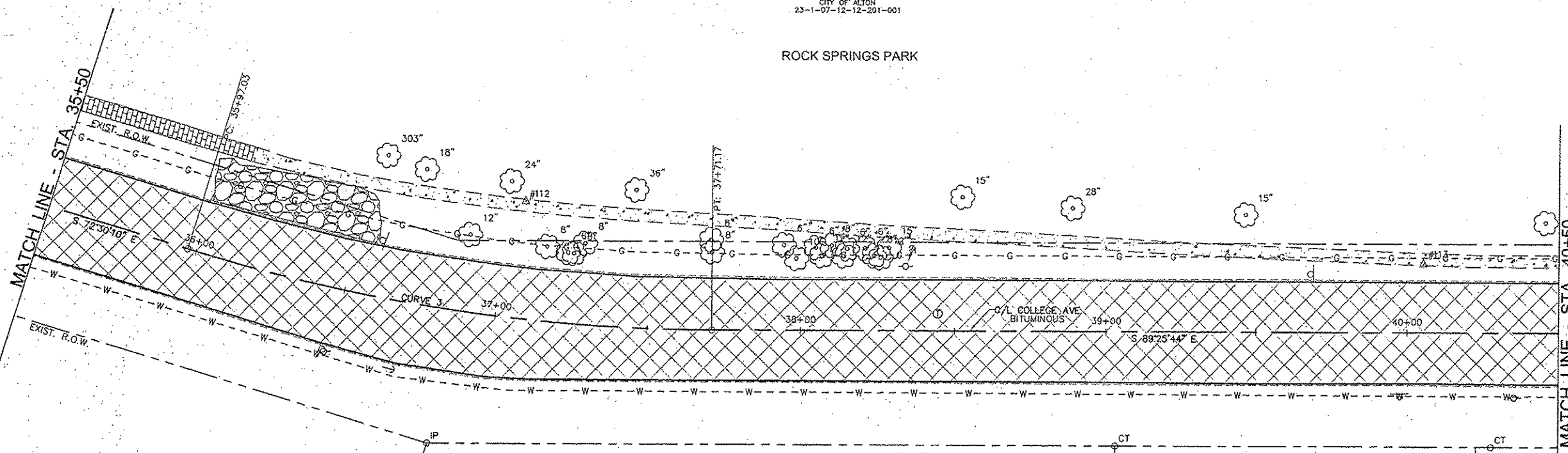
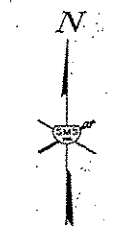
ALTON MEMORIAL HOSPITAL
23-1-07-12-07-201-030

REVISIONS

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Maple Street, P.O. Box E, Alton, IL 62002 618/242-3955 E-mail: ms@smsengineers.com
DESIGN FIRM # 184-000992

CITY OF ALTON
23-1-07-12-12-201-001

ROCK SPRINGS PARK



CENTERLINE CURVE DATA

CURVE NO. 3
P.I. STA.=36+82.42
Δ=17°02'41"
T=88.33'
R=589.46'
L=175.36'
E=6.58'
P.C. STA.=35+94.09
P.T. STA.=37+69.44
SUPER ELEV.=NONE

DOH M. AND NANCY L. WILLIAMS
23-1-07-12-12-201-002

DILBERT CALDWELL
23-2-07-12-12-201-003

OTHER QUANTITIES
STA. 35+50 - STA. 40+50

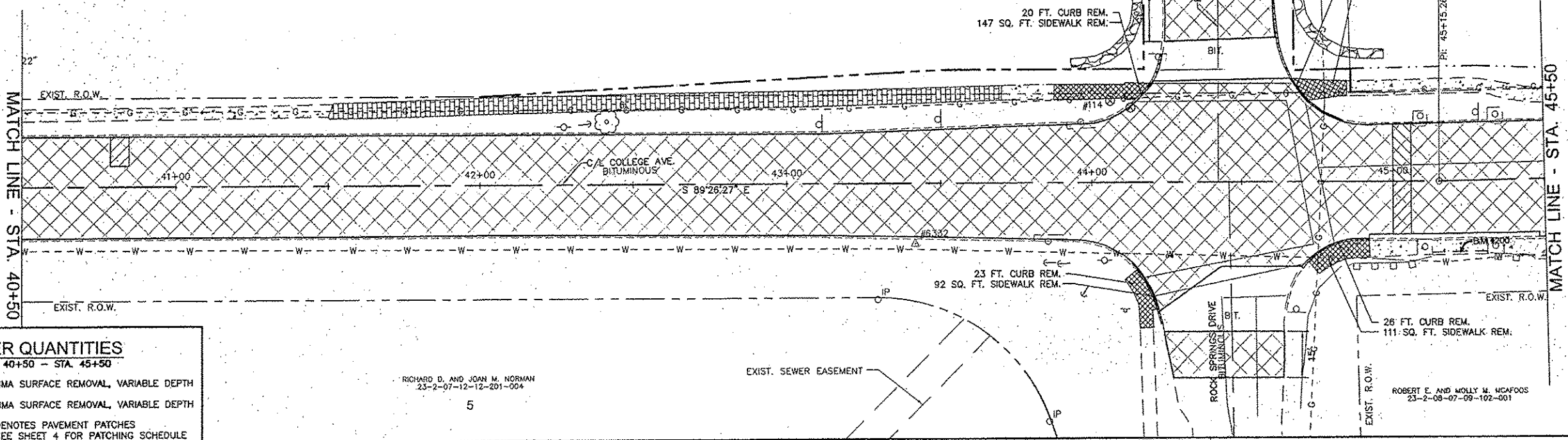
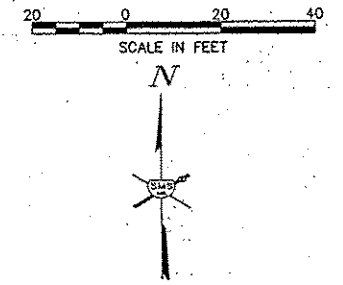
- 1,873 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- DENOTES PAVEMENT PATCHES
SEE SHEET 4 FOR PATCHING SCHEDULE

CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PATCHING AND REMOVAL ITEMS

CONTRACT NO. 97590

DWG. NO.	
COLLEGE PP REMOVAL SHEETS.DWG	
REF. BK.	PG.
JOB NO. 208263	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: MARCH, 2015	
SCALE: HORZ: 1"=20'	
VERT: 1"=5'	
SHEET 24 OF 38	

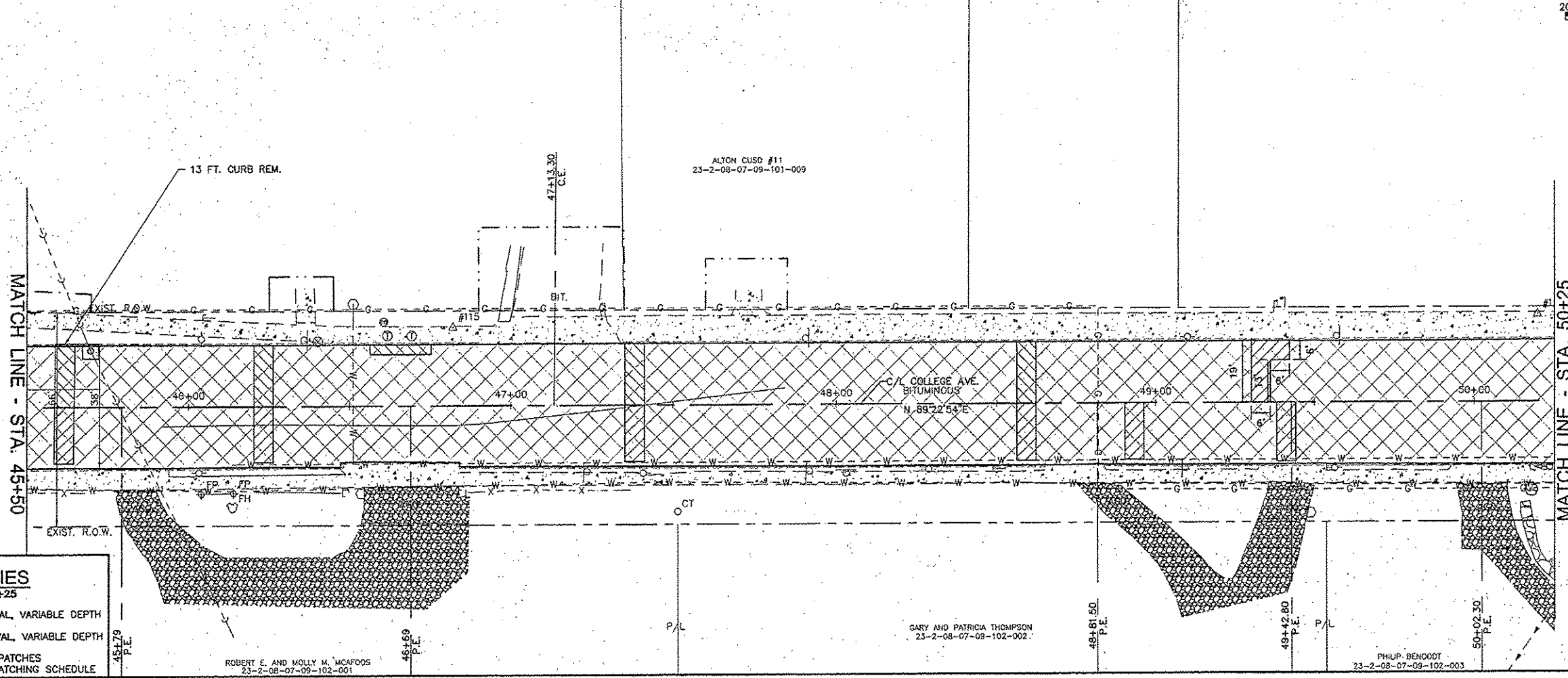
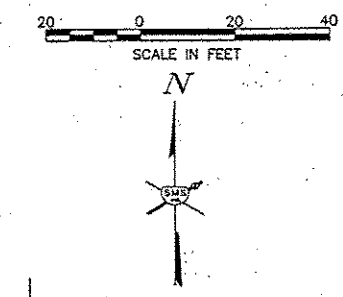
CITY OF ALTON
23-1-07-12-12-201-001
ROCK SPRINGS PARK



OTHER QUANTITIES
STA. 40+50 - STA. 45+50

- 2,229 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- DENOTES PAVEMENT PATCHES SEE SHEET 4 FOR PATCHING SCHEDULE

RICHARD D. AND JOAN M. NORMAN
23-2-07-12-12-201-004
5



OTHER QUANTITIES
STA. 45+50 - STA. 50+25

- 1,994 SQ. YD. HMA SURFACE REMOVAL, VARIABLE DEPTH
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- DENOTES PAVEMENT PATCHES SEE SHEET 4 FOR PATCHING SCHEDULE

ROBERT E. AND MOLLY M. MCAFOOS
23-2-08-07-09-102-001

GARY AND PATRICIA THOMPSON
23-2-08-07-09-102-002

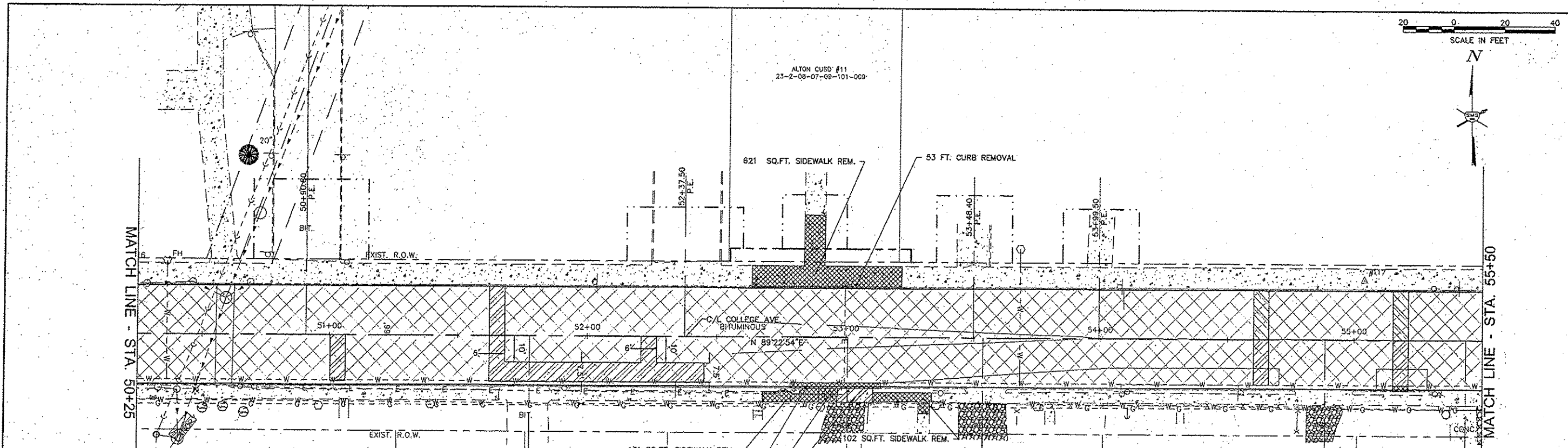
PHILIP BENDOOT
23-2-08-07-09-102-003

NO.	DESCRIPTION	DATE

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Mark Street, P.O. Box E, Alton, IL 62002 618/462-9155 Email: rmc@smseng.com
DESIGN FIRM # 184-000992

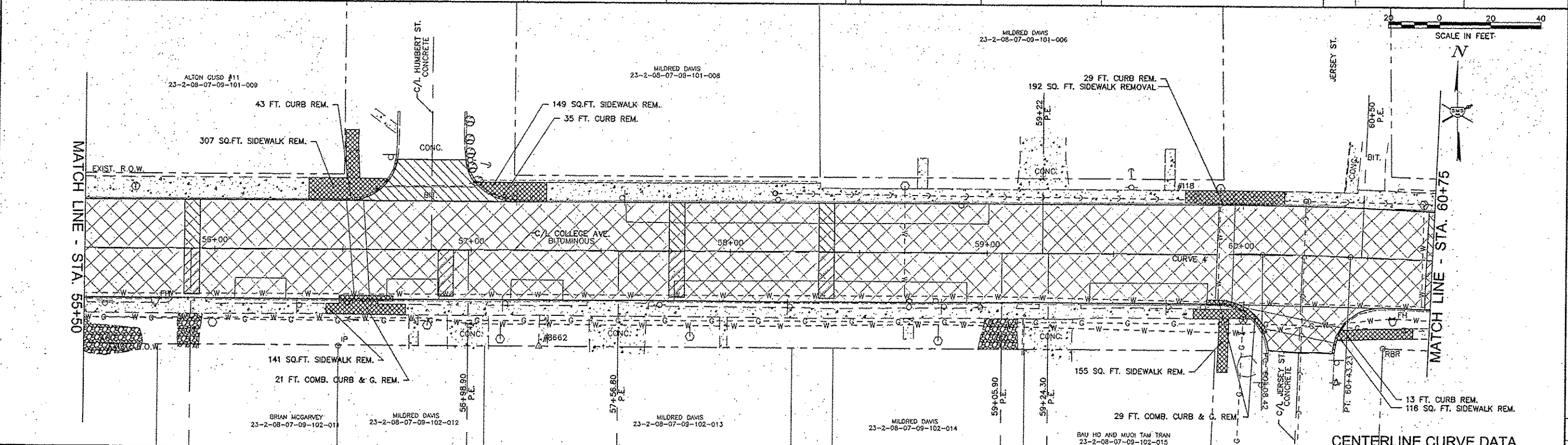
CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
PATCHING AND REMOVAL ITEMS

CONTRACT NO. 97590
DWG. NO. COLLEGE PP REMOVAL SHEETS.DWG
REF. BK. PG. JOB NO. 208263
DSN. BY: DEG DWN. BY: CDP
CHK. BY: DEG DATE: MARCH, 2015
SCALE: HORZ: 1"=20' VERT: 1"=5'
SHEET 25 OF 38



OTHER QUANTITIES
 STA. 50+25 - STA. 55+50
 2,208 SQ. YD. HMA SURFACE REMOVAL, 1 1/2"

- HMA SURFACE REMOVAL, 1 1/2"
 - DENOTES PAVEMENT PATCHES
 SEE SHEET 4 FOR PATCHING SCHEDULE



OTHER QUANTITIES
 STA. 55+50 - STA. 60+75
 2,292 SQ. YD. HMA SURFACE REMOVAL, 1 1/2"

- HMA SURFACE REMOVAL, 1 1/2"
 - DENOTES PAVEMENT PATCHES
 SEE SHEET 4 FOR PATCHING SCHEDULE

CENTERLINE CURVE DATA
 CURVE NO. 4
 P.I. STA.=59+83.67
 Δ=021°21'
 T=17.58'
 R=888.49'
 L=35.16'
 E=0.17'
 P.C. STA.=59+66.09
 P.T. STA.=60+01.25
 SUPER ELEV.=NONE

REVISIONS

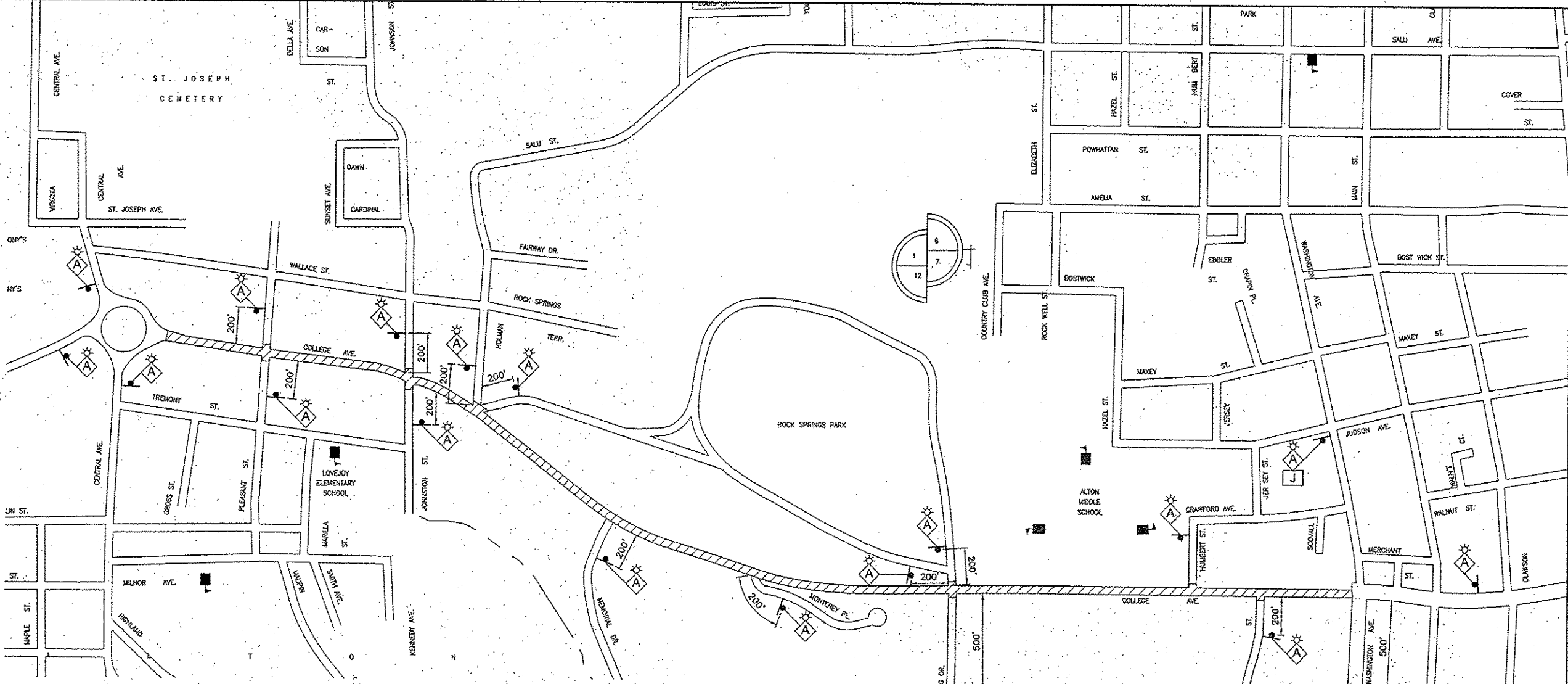
SMS ENGINEERS
 SHEPPARD, MORGAN & SCHWAAB, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Walnut Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: sms@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PATCHING AND REMOVAL ITEMS

CONTRACT NO. 97590

DWG. NO.	
COLLATERAL PP. REMOVAL SHEETS.DWG	
REV. BY:	
PG.	
JOB NO.	208263
DSN. BY:	DEC
DWN. BY:	CDP
CHK. BY:	DEC
DATE:	MARCH, 2015
SCALE:	HORIZ: 1"=20'
	VERT: 1"=5'
SHEET	26 OF 38

300 0 300 600
SCALE IN FEET

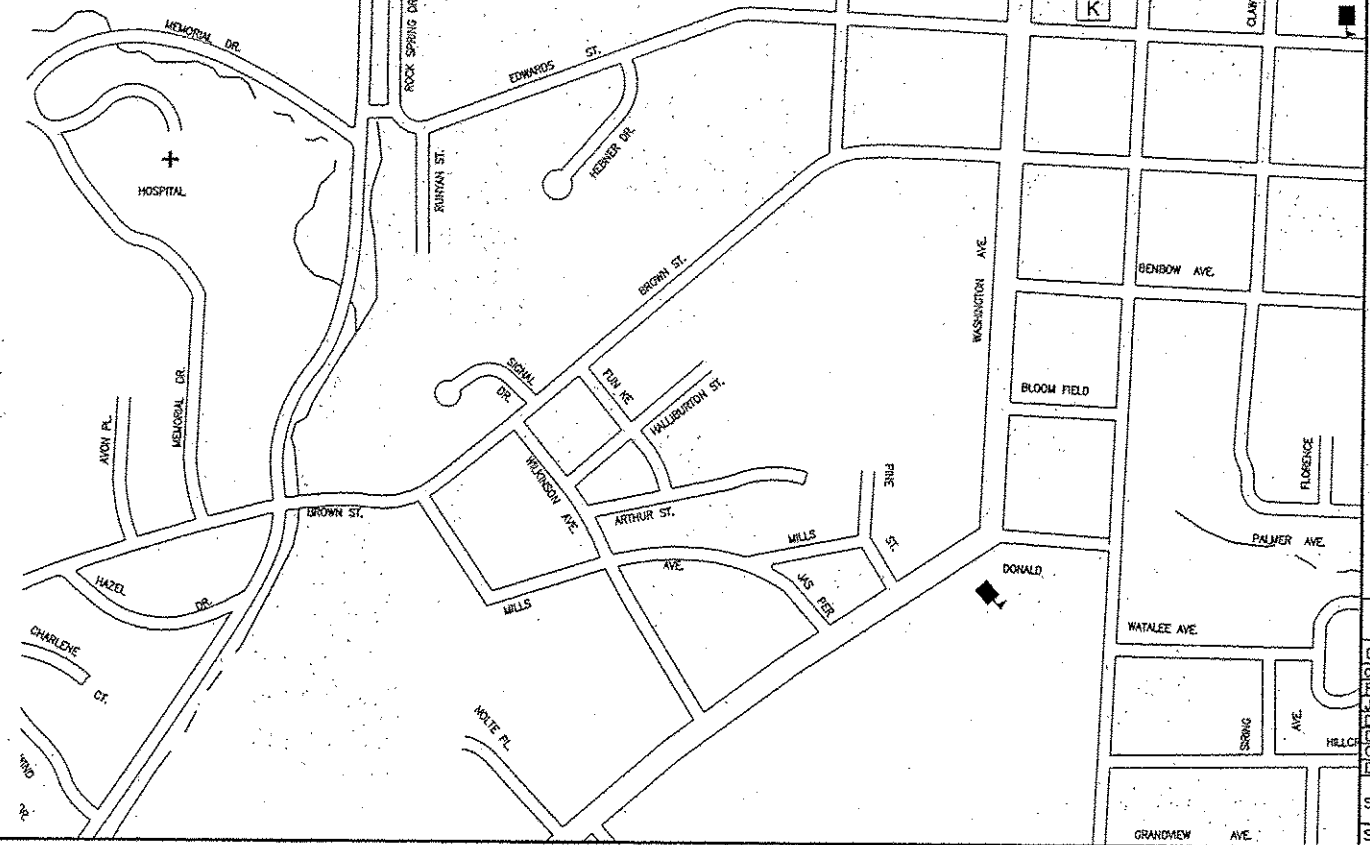


TRAFFIC CONTROL LEGEND

- 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 "ROAD CLOSED AHEAD" W20-3 48" x 48"
- SIGN "ROAD CLOSED" R11-2 48" x 30"
- SIGN "DETOUR AHEAD"
- SIGN "COLLEGE AVE. CLOSED" BLACK LETTERS ON ORANGE BACKGROUND 48" x 48"
- SIGN "RIGHT TURN LANE CLOSED AHEAD" BLACK LETTERS ON ORANGE BACKGROUND 48" x 48"
- SIGN M4-9R 30" x 24"
- SIGN M4-9L 30" x 24"
- SIGN BLACK LETTERS ON ORANGE BACKGROUND 30" x 24"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN "COLLEGE AVE." BLACK LETTERS ON ORANGE BACKGROUND 24" x 24"
- SIGN (NO RIGHT TURN) R3-1 24" x 24"
- SIGN "ONE WAY" R6-1 36" x 12"
- SIGN "ONE WAY" R6-1 36" x 12"

TRAFFIC CONTROL NOTES

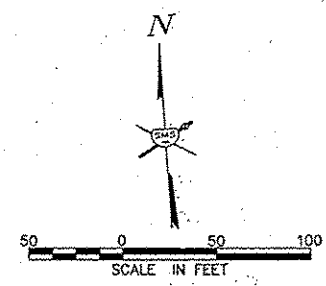
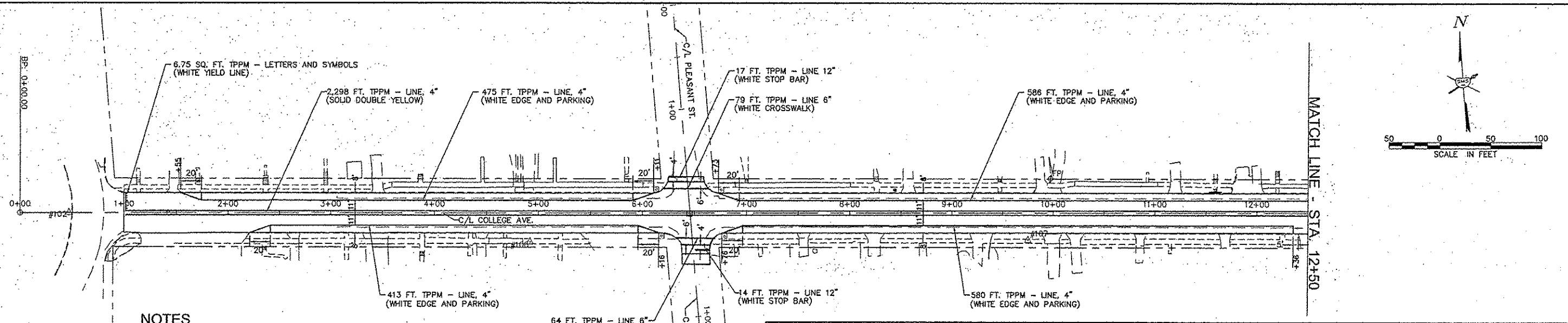
1. THE CONTRACTOR SHALL PROVIDE THE TRAFFIC CONTROL SHOWN ON THE GENERAL TRAFFIC CONTROL PLAN AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT. ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED BELOW AND IN ACCORDANCE WITH THE SPECIFIED HIGHWAY STANDARDS.
2. AT TIMES WHEN ALL TRAFFIC LANES ARE OPEN, PROVIDE TRAFFIC CONTROL AS NEEDED PER HIGHWAY STANDARD 701006 OR 701011.
3. ONE TRAFFIC LANE ON COLLEGE AVENUE WILL BE ALLOWED TO BE CLOSED AS NEEDED DURING DAY TIME HOURS AS DESCRIBED BELOW:
 - A. FOR SPOT LOCATIONS THAT ARE FOR 1 HOUR OR LESS, PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701301.
 - B. FOR SPOT LOCATIONS THAT ARE FOR MORE THAN 1 HOUR, PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701501 OR USE ONE OF THE TRAFFIC DETOUR PLANS.
 - C. THE ALTON STREET DEPT. WILL POST TEMPORARY "NO PARKING" SIGNS AS NEEDED TO PREVENT PARKING IN WORK AREAS. THE CONTRACTOR SHALL NOTIFY THE STREET DEPT. 2 DAYS IN ADVANCE OF THE NEED FOR "NO PARKING" SIGNS.
 - D. DURING PAVEMENT PATCHING OPERATIONS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONES, DRUMS OR BARRICADES TO PROTECT EACH PATCH.
4. SIDE STREETS 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. FOR SIDEWALK REMOVAL AND REPLACEMENT, TRAFFIC CONTROL FOR SIDEWALK CLOSURES SHALL BE PROVIDED PER HIGHWAY STANDARD 701801. SIDEWALK REMOVAL AND REPLACEMENT SHALL BE SEQUENCED AS NEEDED TO ALWAYS ALLOW A CONTINUOUS ACCESSIBLE ROUTE TO THE ALTON MIDDLE SCHOOL, THE CROSSWALK AT COLLEGE & JOHNSON AND ADJACENT BUSINESSES. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
6. WHERE A HIGHWAY STANDARD REQUIRES A "ROAD CONSTRUCTION AHEAD" SIGN, THIS REQUIREMENT WILL BE CONSIDERED FULFILLED BY THE SIGNS REQUIRED ON THE GENERAL TRAFFIC CONTROL PLAN.
7. ALL HAZARDS WITHIN WORK ZONES OPEN TO TRAFFIC SHALL BE PROTECTED WITH TYPE I BARRICADES OR DRUMS WITH FLASHING LIGHTS IF LESS 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.



REVISIONS
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ENGINEERS
 DESIGN FIRM # 184-000982

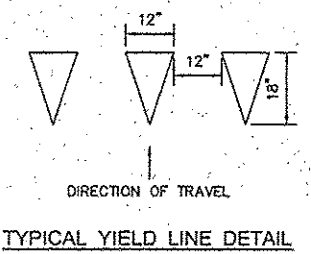
CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 GENERAL TRAFFIC CONTROL PLAN

CONTRACT NO. 97590
 DWG. NO. COLLEGE DETOUR.DWG
 REF. BK. PG.
 JOB NO. 208263
 DSN. BY: DEG
 DWN. BY: DEG
 CHK. BY: DEG
 DATE: MARCH, 2015
 SCALE: 1" = 300'
 SHEET 28 OF 38



NOTES

1. ALL LETTERS AND SYMBOLS SHALL BE LARGE SIZE (8 FT. LONG)
2. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS TPPM
3. POLYUREA PAVEMENT MARKING IS ABBREVIATED AS PPM



PAVEMENT MARKING SCHEDULE

ITEM	QUANTITY	UNIT
THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)	4,861	FOOT
THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)	13,491	FOOT
TOTAL 4"	18,352	FOOT
THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)	606	FOOT
THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)	410	FOOT
THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)	113	FOOT
TOTAL 12"	523	FOOT
THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)	536	FOOT
THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	209.6	SQ. FT.
POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE)	85	FOOT
POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE)	14	FOOT

SIGN SCHEDULE

LOCATION STATION	LEGEND OR TYPE	MUTCD SIGN DESIGNATION	SIZE	REMOVE EXISTING SIGN POST (EACH)	RELOCATE EXISTING SIGN PANEL (SPECIAL) (EACH)	SIGN PANEL - TYPE 1 (SQ. FT.)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	REMARKS
12+81 RT	SCHOOL AHEAD	S1-1 W16-9P	30" X 30" 24" X 12"	1		6.25 2.00	16.2	NEW SIGN (REPLACEMENT) NEW SIGN
13+51 RT	EXISTING STOP ALL WAY	R1-3P	18" X 6"		1	0.75	15.7	REUSE STOP SIGN REPLACE 4 WAY WITH ALL WAY
39+98 RT	SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT	S4-3P R2-1 S4-2P	24" X 8" 24" X 30" 24" X 10"	1		3.00 5.00 1.67	16.2	REPLACE SCHOOL SPEED LIMIT ASSEMBLY
42+94 RT	EXISTING			1	1			REUSE NO PARKING REMOVE SCHOOL CROSSING SIGNS
44+71 RT	SCHOOL DIAGONAL ARROW	S1-1 W16-7P	30" X 30" 24" X 12"			6.25 2.00	16.2	NEW SIGN NEW SIGN
47+24 RT	EXISTING			1	1		16.7	REUSE ADOPT A HIGHWAY SIGN REUSE NO PARKING SIGN
47+91 RT	SCHOOL AHEAD	S1-1 W16-9P	30" X 30" 24" X 12"	1		6.25 2.00	16.2	NEW SIGN (REPLACEMENT) NEW SIGN
50+24 RT	SCHOOL DIAGONAL ARROW	S1-1 W16-7P	30" X 30" 24" X 12"			6.25 2.00		NEW SIGN (REPLACEMENT) MOUNT TO SIGNAL POST NEW SIGN, MOUNT TO SIGNAL POST
52+81 RT	ACCESSIBLE ROUTE	SEE NOTE 5	9" X 12"			0.75	11.7	NEW SIGN
61+23 RT	PEDESTRIAN AHEAD	W11-2 W16-9P	30" X 30" 24" X 12"			6.25 2.00	17.2	NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR) NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR)
63+23 RT	PEDESTRIAN DIAGONAL ARROW	W11-2 W16-7P	30" X 30" 24" X 12"			6.25 2.00	17.2	NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR) NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR)
52+82 S LT	ACCESSIBLE ROUTE	SEE NOTE 6	9" X 12"			0.75	11.7	NEW SIGN
53+00 LT	SCHOOL DIAGONAL ARROW	S1-1 W16-7P	30" X 30" 24" X 12"			6.25 2.00		NEW SIGN, MOUNT TO SIGNAL POST NEW SIGN, MOUNT TO SIGNAL POST
56+65 LT*	EXISTING SCHOOL EXISTING DIAGONAL ARROW			1	1		16.2	RELOCATED FROM STA. 57+17 LT RELOCATED FROM STA. 57+17 LT
60+00 LT*	EXISTING			1	1		16.2	REUSE EXISTING SCHOOL REUSE EXISTING DIAGONAL ARROW REMOVE SCHOOL ZONE CELL USE PROHIBITED
62+00 LT*	SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT	S4-3P R2-1 S4-2P	24" X 8" 24" X 30" 24" X 10"			3.00 5.00 1.67	16.2	NEW SIGN NEW SIGN NEW SIGN
63+30 LT*	PEDESTRIAN DIAGONAL ARROW	W11-2 W16-7P	30" X 30" 24" X 12"			6.25 2.00	17.2	NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR) NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR)
64+62 LT*	PEDESTRIAN AHEAD EXISTING WEIGHT LIMIT	W11-2 W16-9P	30" X 30" 24" X 12"	1	1	6.25 2.00	17.2	NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR) NEW SIGN (FLUORESCENT YELLOW-GREEN COLOR) REUSE WEIGHT LIMIT, REMOVE OTHER SIGNS
TOTAL				9	9	95.84	238.0	

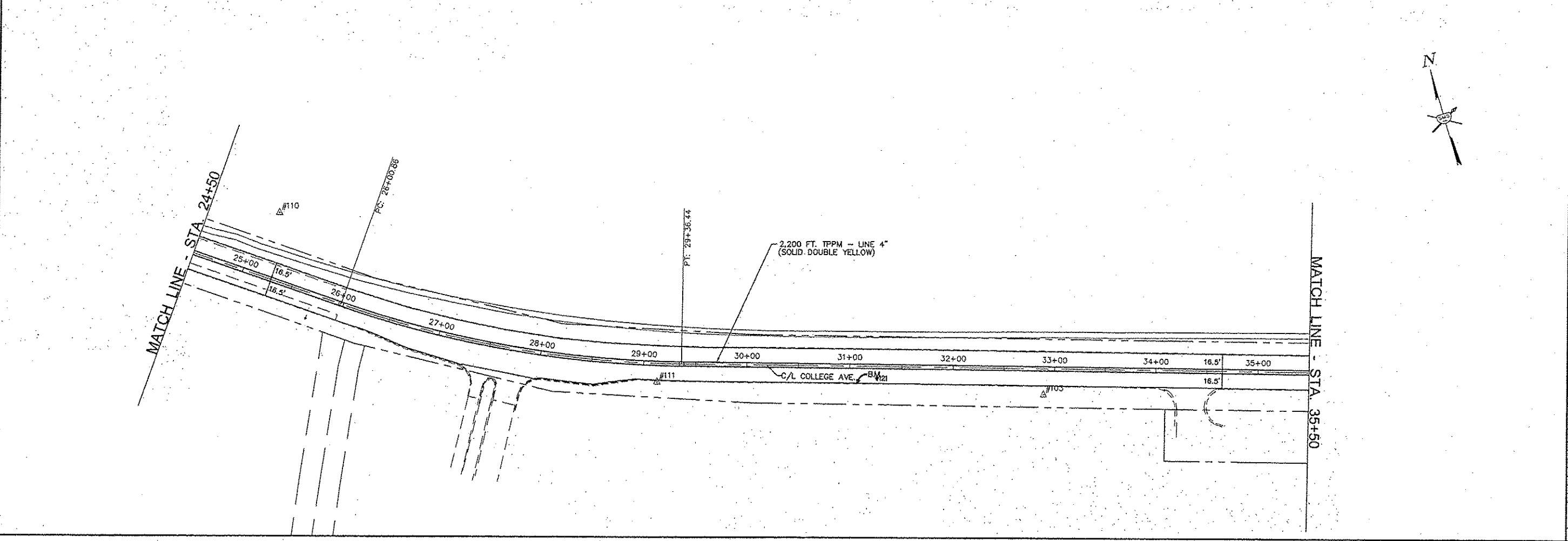
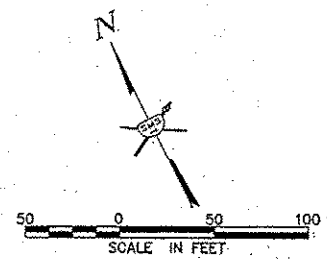
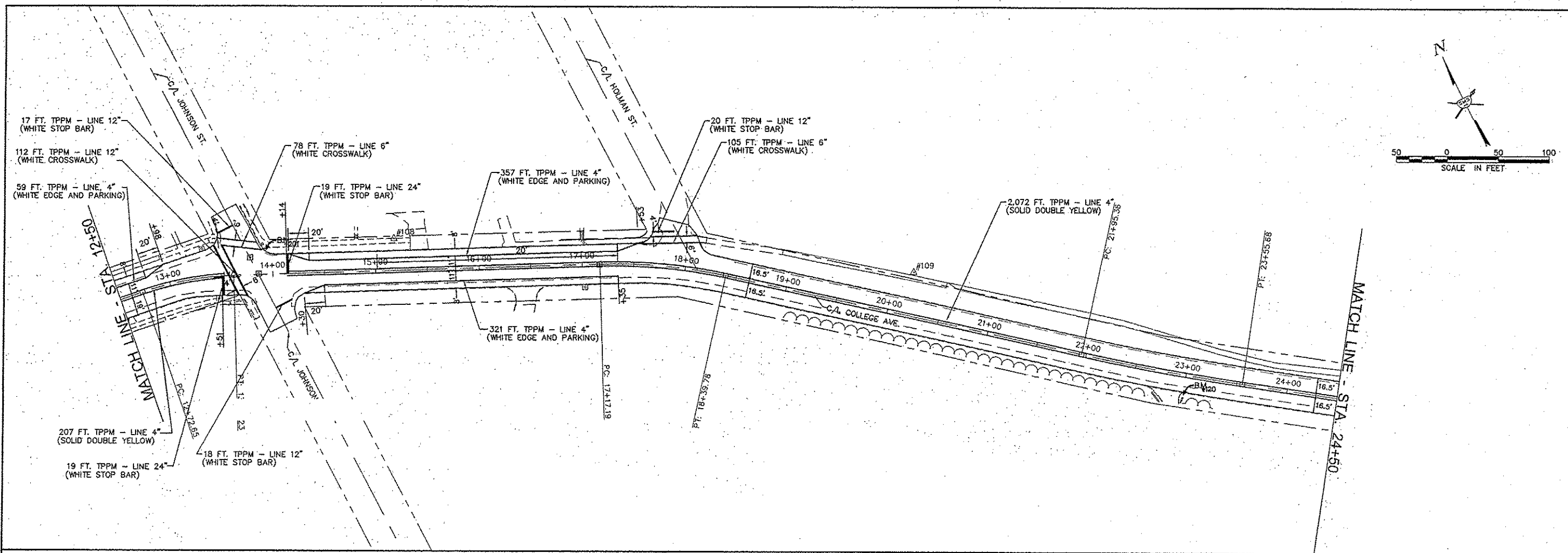
- SIGN NOTES:**
- * 1. AT LOCATIONS MARKED WITH AN *, PLACE THE SIGN POST AT THE BACK OF THE SIDEWALK.
 2. IF SIGNS ARE LOCATED IN A SIDEWALK SURFACE, 4.0 FOOT MINIMUM HORIZONTAL CLEARANCE IS REQUIRED FOR THE PEDESTRIAN ACCESS ROUTE.
 3. A PVC PIPE SLEEVE, 4 INCH MINIMUM SIZE, SHALL BE PROVIDED IN THE SIDEWALK AT WHERE SIGNS ARE LOCATED IN NEW SIDEWALK AREAS.
 4. 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.
 5. ACCESSIBLE ROUTE SIGN - BLUE BACKGROUND WITH WHITE LEGEND AND BORDER, ACCESSIBLE SYMBOL AT TOP WITH "ACCESSIBLE ROUTE" TEXT AND WHITE ARROW POINTING LEFT. MOUNT SIGN FACING SOUTH. HEIGHT TO BE 60" FROM SIDEWALK TO BOTTOM OF SIGN.
 6. ACCESSIBLE ROUTE SIGN - SAME AS ABOVE EXCEPT ARROW POINTING RIGHT. MOUNT SIGN FACING NORTH.

REVISIONS	
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 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PAVEMENT MARKING & SIGNING PLAN

CONTRACT NO. 97590
 DWG. NO. COLLEGE PAVE MARK SHEETS.DWG.
 REF. BKG. PG. _____
 JOB NO. 208283
 DESIGNED BY: DEG
 DRAWN BY: CDP
 CHECKED BY: DEG
 DATE: MARCH, 2015
 SCALE: 1" = 50'
 SHEET 31 OF 38

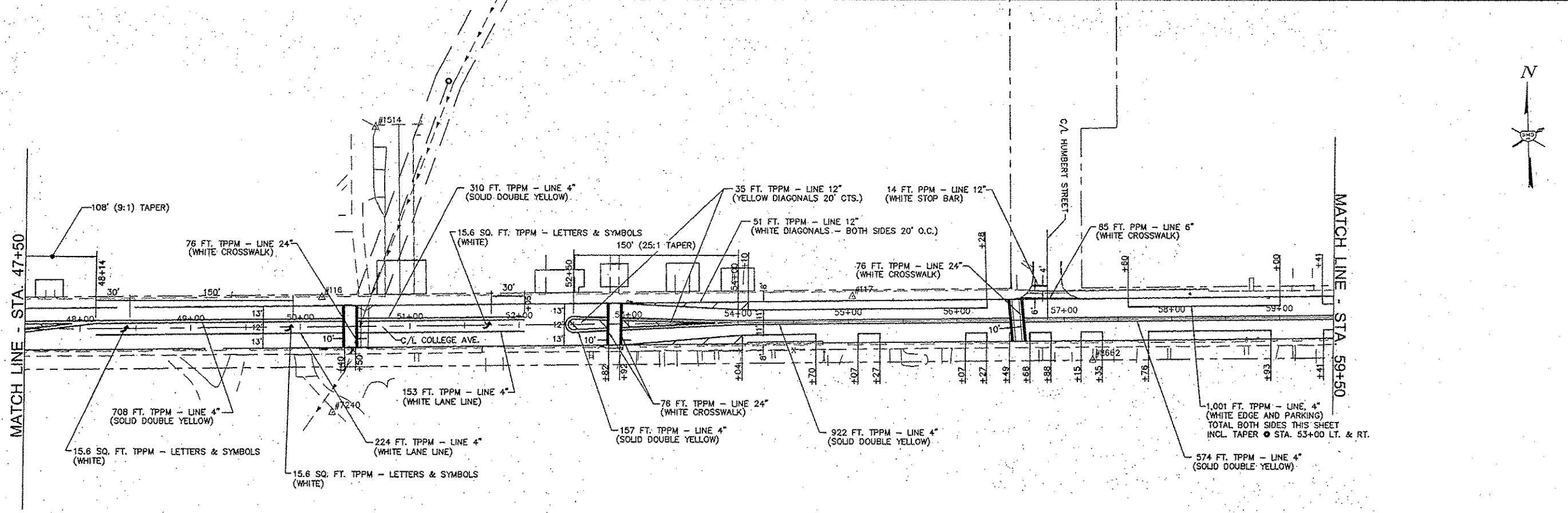
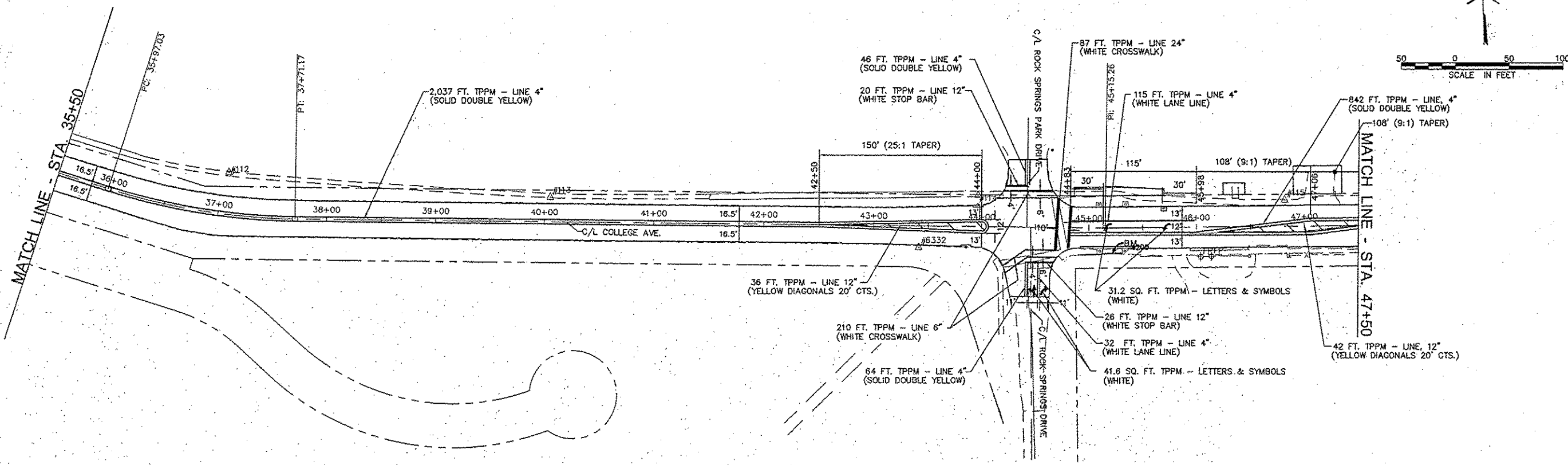


NO.	DATE	DESCRIPTION

SMS ENGINEERS
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 DESIGN FIRM # 184-000892

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PAVEMENT MARKING & SIGNING PLAN

CONTRACT NO.	97590
DWG. NO.	COLLEGE PAVE MARK SHEETS.DWG
REF. BK.	PG.
JOB NO.	208263
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	MARCH, 2015
SCALE:	1" = 50'
SHEET	32 OF 38

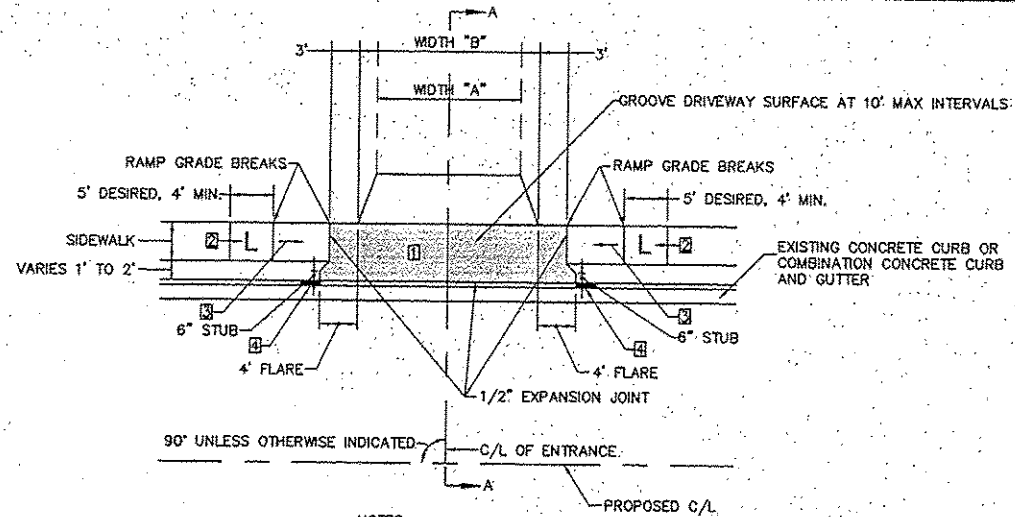


NO.	DESCRIPTION

SMS Sheppard, Morgan & Schwaab, Inc.
 ENGINEERS
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618-422-9155 E-mail: mail@smsshaab.com
 DESIGN FIRM # 184-000992

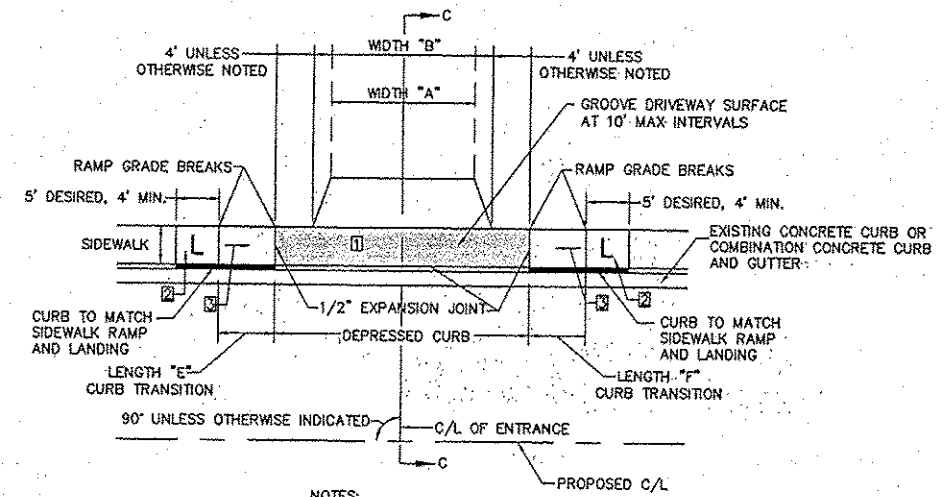
CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 PAVEMENT MARKING & SIGNING PLAN

CONTRACT NO. 97590
 DWG. NO. COLLEGE PAVE MARK SHEETS.DWG
 REF. BK. PG. JOB NO. 208263
 DSN. BY: DEG DWN. BY: CDP
 CHK. BY: DEG DATE: MARCH, 2015
 SCALE: 1" = 50'
 SHEET 33 OF 38



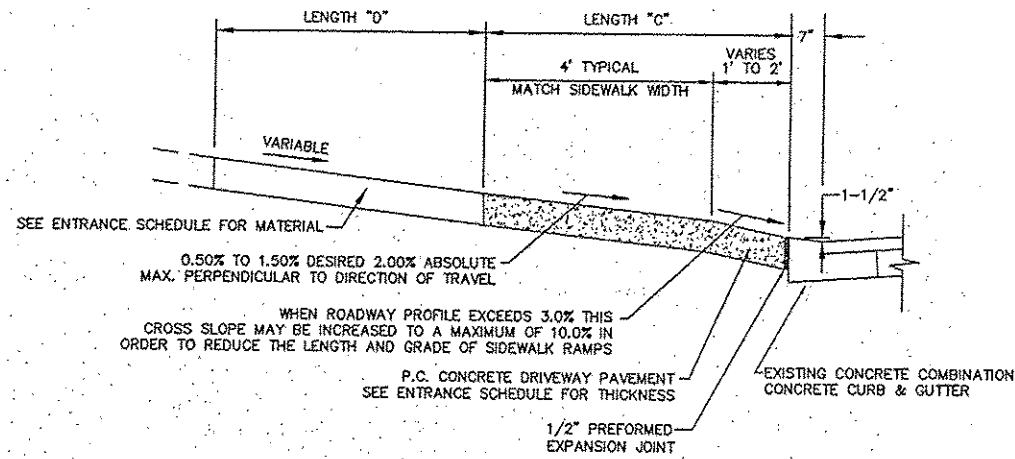
PLAN
TYPICAL ENTRANCE DETAIL-A
SIDEWALK W/ BUFFER SCALE: 1"=10'

- NOTES:
- ① LIMITS OF P.C.C. DRIVEWAY PAVEMENT SHOWN AS [shaded box]
 - ② UPPER LANDING ONLY REQUIRED IF RAMP EXCEEDS 5.00%
 - ③ RAMP 1:12 MAX. OR 15' MAX. LENGTH
 - ④ MEET EXISTING DEPRESSED CURB OR IF CURB AND GUTTER IS REMOVED AND REPLACED, THEN DEPRESS CURB IN 2"

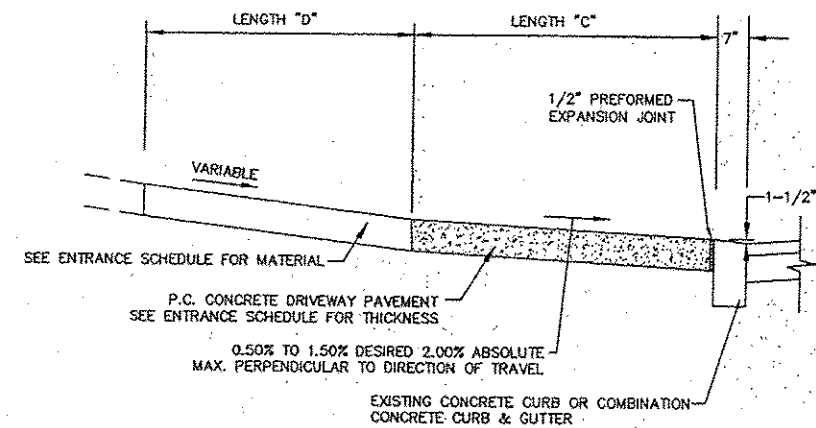


PLAN
TYPICAL ENTRANCE DETAIL-C
SIDEWALK AT BACK OF CURB SCALE: 1"=10'

- NOTES:
- ① LIMITS OF P.C.C. DRIVEWAY PAVEMENT SHOWN AS [shaded box]
 - ② UPPER LANDING ONLY REQUIRED IF RAMP EXCEEDS 5.00%
 - ③ RAMP 1:12 MAX. OR 15' MAX. LENGTH



SECTION A-A
NO SCALE



SECTION C-C
NO SCALE

ENTRANCE SCHEDULE

STATION	TYPE OF ENTRANCE	TYPICAL DETAIL	WIDTH "A"	WIDTH "B"	LENGTH "C"	LENGTH "D"	LENGTH "E"	LENGTH "F"	P.C.C. DRIVEWAY PVMT., 6" (SQ. YDS.)	P.C.C. DRIVEWAY PVMT., 8" (SQ. YDS.)	INCIDENTAL HMA SURFACING (TONS)	AGGREGATE SURFACE CSE, TYPE B (TONS)
53+00.60 RT.	P.E.	A&C	16.3'	14'	5.25'	11'	-	-	10.0	-	-	5.8
TOTALS									10.0	-	-	5.8

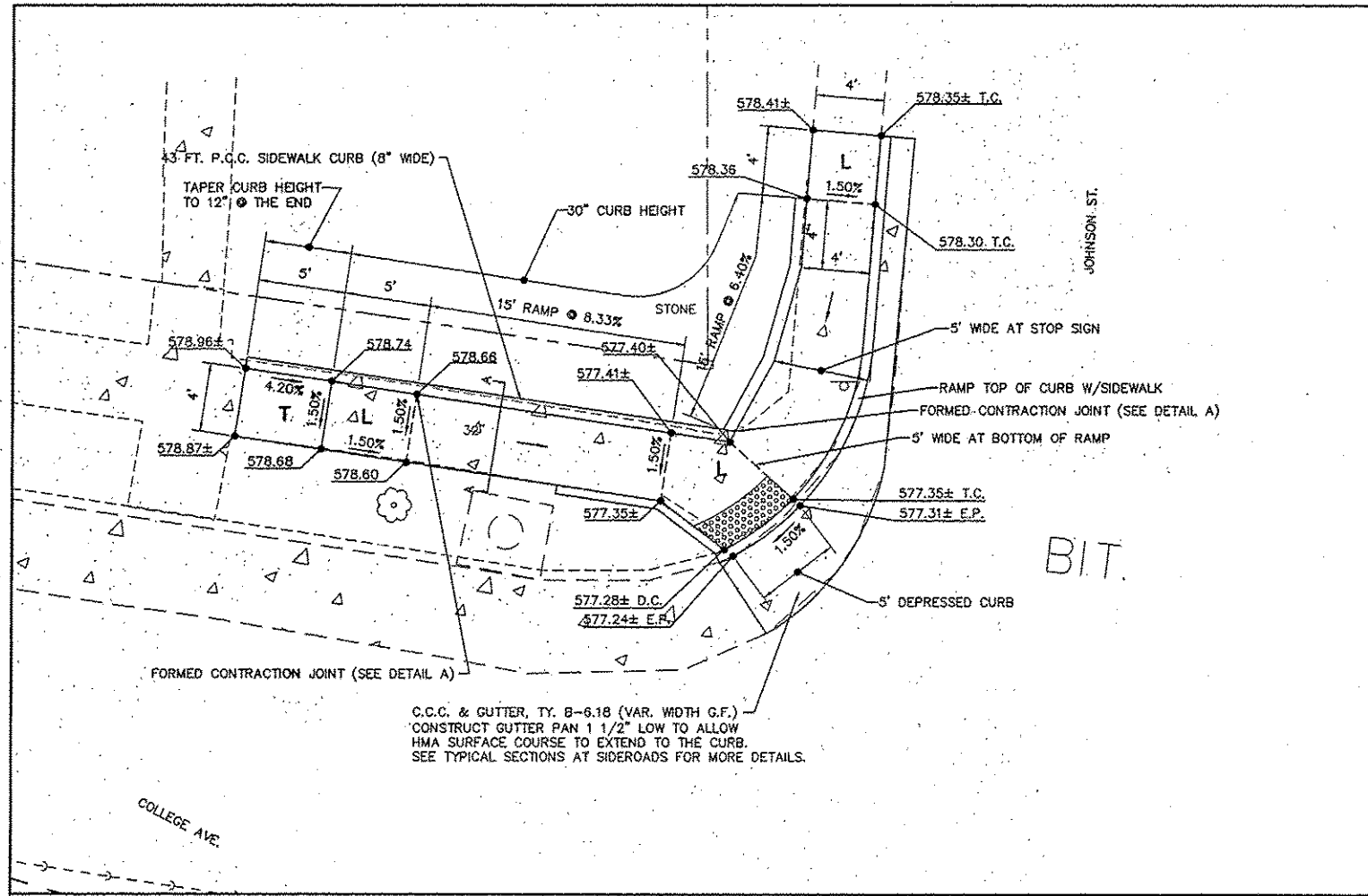
NOTE: REMOVAL ITEMS ARE SHOWN ON THE "REMOVAL ITEMS" PLANS.

REVISIONS	

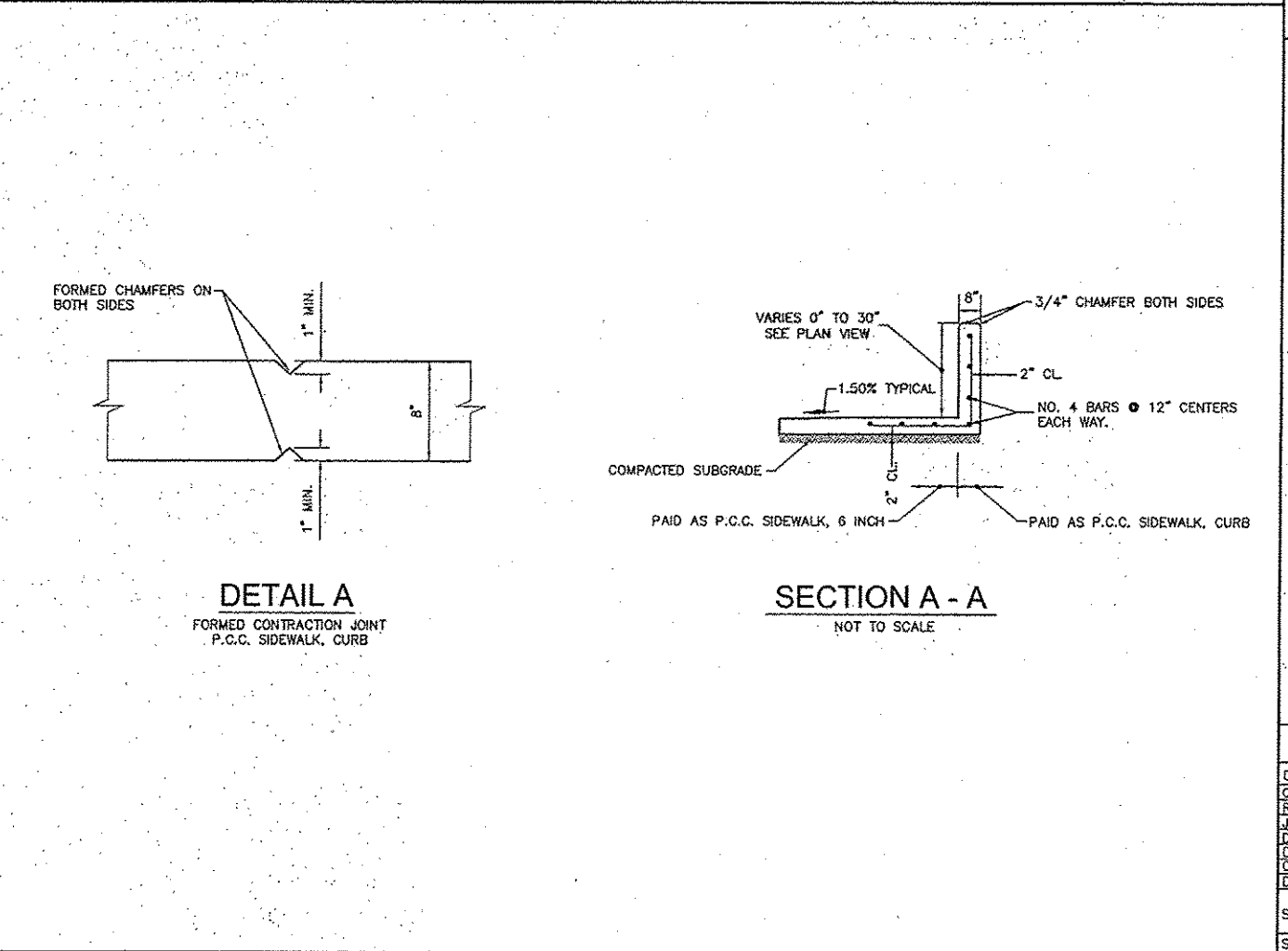
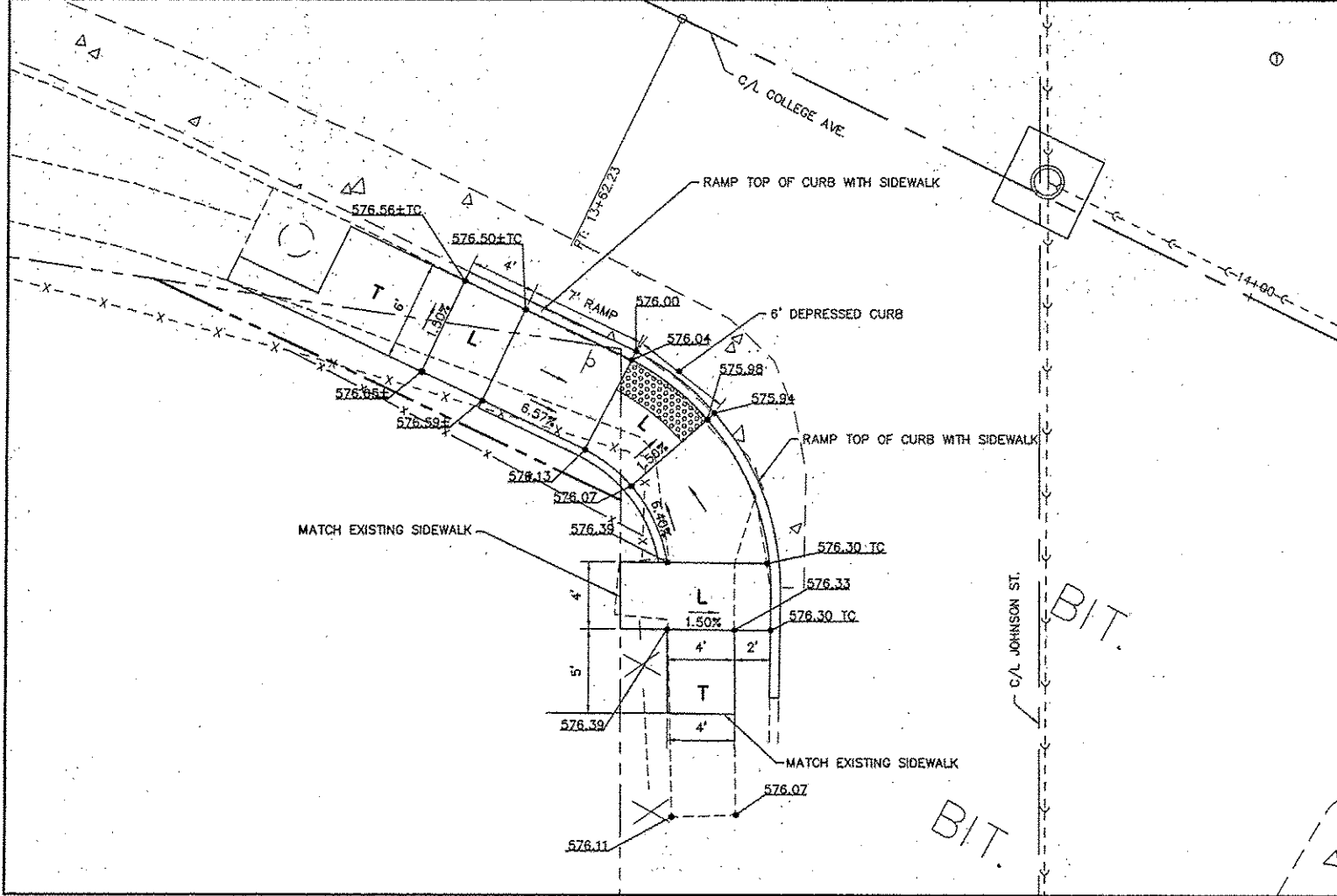
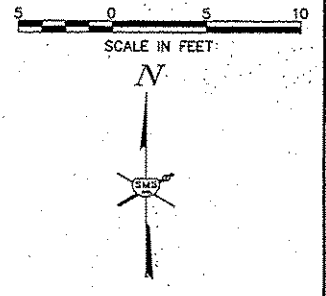
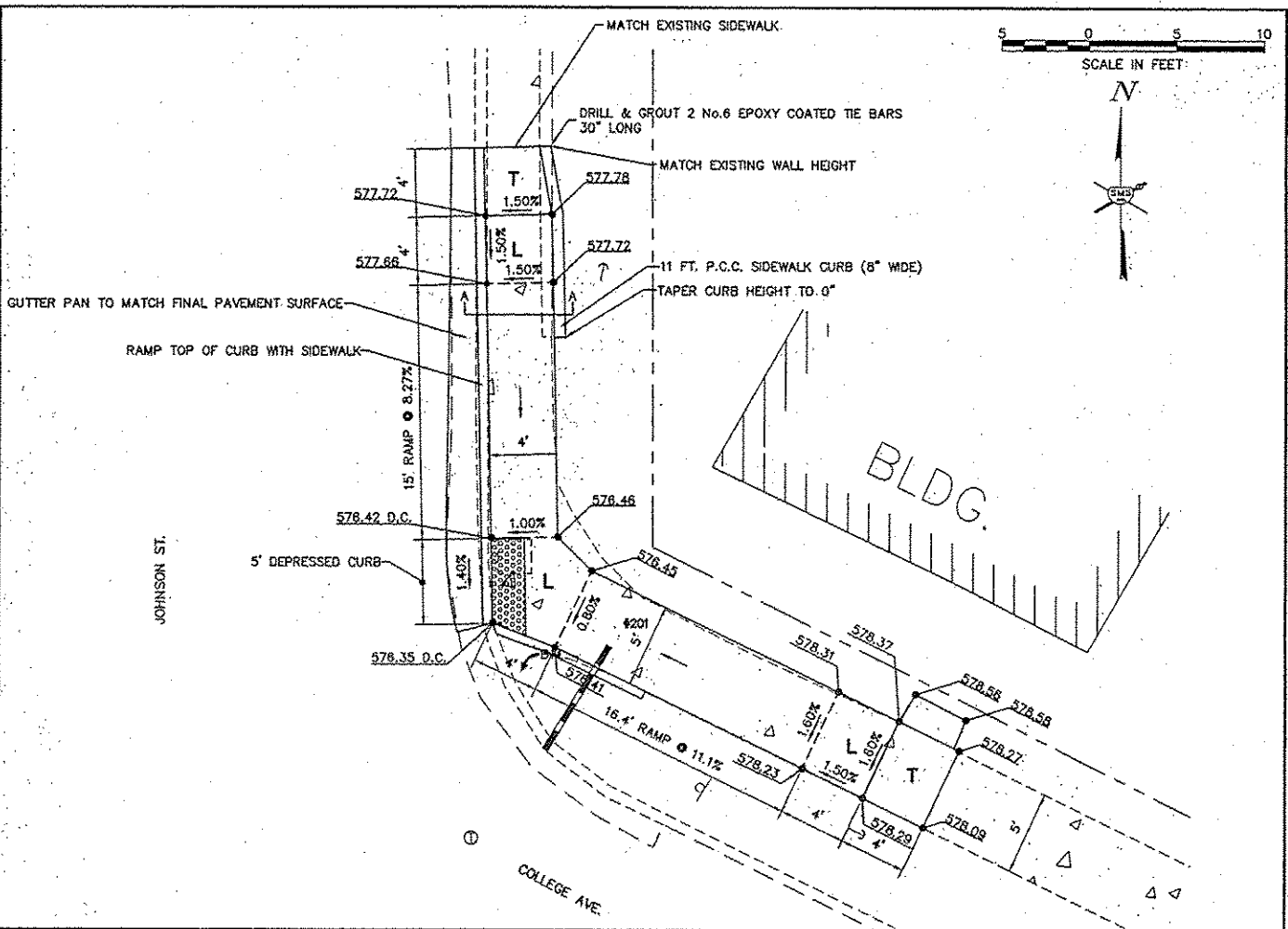
SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
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DESIGN FIRM # 184-000892

CITY OF ALTON, ILLINOIS
SECTION 11-00231-00-RS
COLLEGE AVENUE
ENTRANCE SCHEDULE AND DETAILS

CONTRACT NO.
97590
DWG. NO.
COLLEGE DETAIL 3.DWG
REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: MARCH, 2015
SCALE: NONE
SHEET 35 OF 38



C.C.C. & GUTTER, TY. B-6.18 (VAR. WIDTH G.F.)
 CONSTRUCT GUTTER PAN 1 1/2" LOW TO ALLOW
 HMA SURFACE COURSE TO EXTEND TO THE CURB.
 SEE TYPICAL SECTIONS AT SIDEROADS FOR MORE DETAILS.



NO.	DESCRIPTION

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

CITY OF ALTON, ILLINOIS
 SECTION 11-00231-00-RS
 COLLEGE AVENUE
 CONSTRUCTION DETAILS

CONTRACT NO. 97590
 DWG. NO. COLLEGE DRWY DETAIL DWG
 REF. BK. PG.
 JOB NO. 208263
 DSN. BY: DEG
 OWN. BY: CDP
 CHK. BY: DEG
 DATE: MARCH, 2015
 SCALE: 1" = 5'
 SHEET 37 OF 38

