

FAU 6801
 ENGINEERING DIVISION
 CITY OF GALESBURG, ILLINOIS
PLANS FOR PROPOSED
SOUTH SEMINARY STREET RESURFACING

FEDERAL PROJECT NUMBER ARA-5025(046)
 SECTION NUMBER: 09-00501-25-RS
 JOB C-94-077-09
 CONTRACT 89519

PROJECT LIMITS: SOUTH SEMINARY STREET FROM THE SOUTH CITY LIMITS TO FIFTH STREET
 TOWNSHIP 11 NORTH, RANGE 1 EAST, NE QUADRANT OF SECTION 22, NW QUADRANT OF SECTION 23

CONTRACT #	SECTION #	TOTAL SHEETS	SHEET NO.
89519	09-00501-25-RS	8	1

CALL J.U.L.I.E.
 BEFORE DIGGING
 800-892-0123

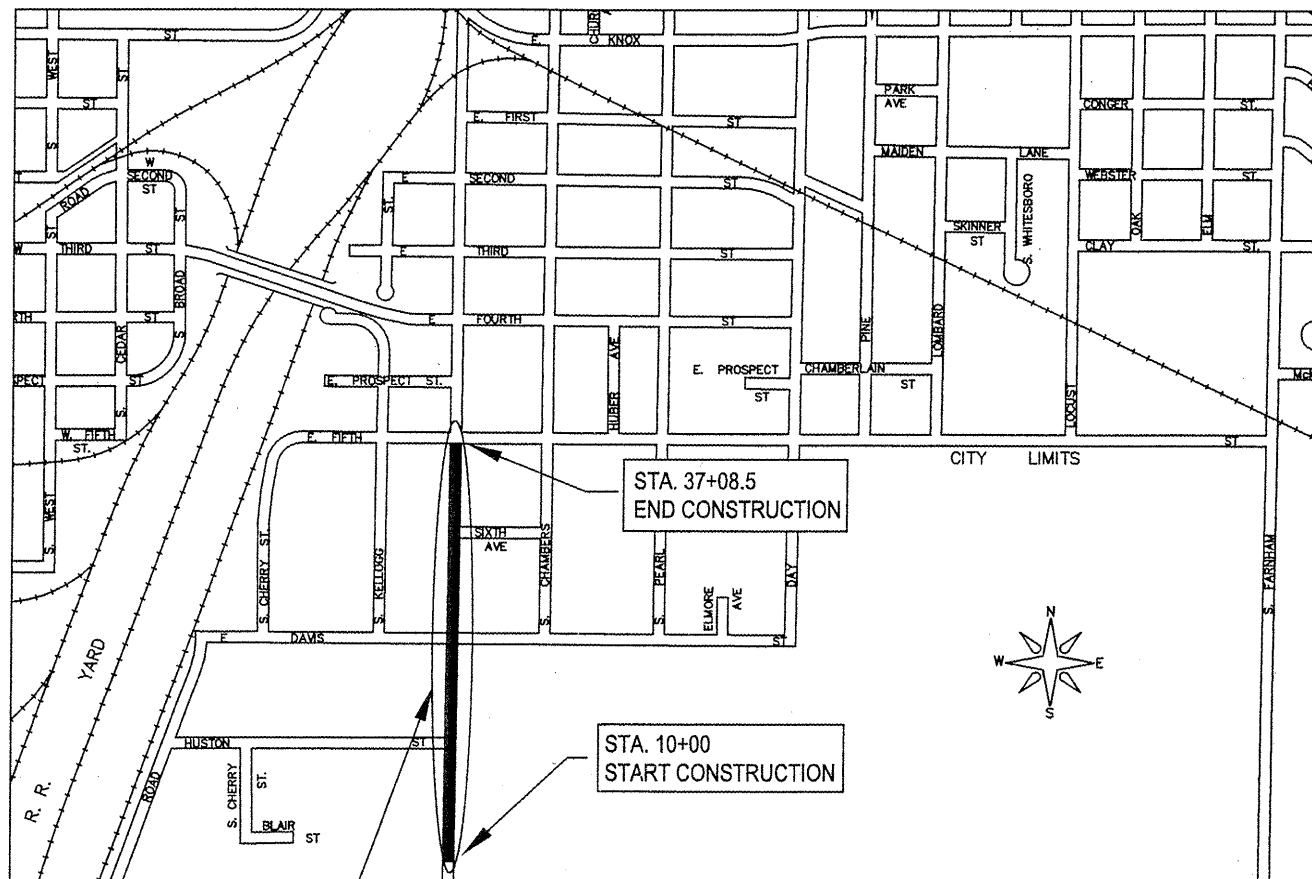
QC/QA BITUMINOUS
 SUPERPAVE PROJECT

INDEX OF SHEETS

SHEET 1	TITLE SHEET
SHEET 2	SCHEDULE OF QUANTITIES, HMA REQUIREMENTS, AND PAVEMENT DESIGN
SHEET 3	TYPICAL SECTIONS AND DETAILS
SHEET 4-6	PLAN SHEETS
SHEET 7-8	STRIPING

SUMMARY OF QUANTITIES

PAY CODE	PAY ITEM	UNITS	TOTAL QUANTITY
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GAL	1,259.0
40600300	AGGREGATE (PRIME COAT)	TDN	34.0
40600990	TEMPORARY RAMP	SQ YD	193.0
40603230	POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50	TDN	1,095.0
40603535	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX 'D', N50	TDN	608.0
42400100	PORTLAND CEMENT SIDEWALK 4 INCH	SQ FT	960.0
42400300	PORTLAND CEMENT SIDEWALK 6 INCH	SQ FT	397.0
42400410	PORTLAND CEMENT SIDEWALK 8 INCH	SQ FT	77.0
42400800	DETECTABLE WARNINGS	SQ FT	24.0
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	8,396.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	SQ FT	45.0
44000600	SIDEWALK REMOVAL	SQ FT	1,411.0
44201325	CLASS C PATCHES, TYPE I, 8 INCH	SQ YD	3.0
44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	6.0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7.0
60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (AEP)	FOOT	45.0
67100100	MOBILIZATION	L. SUM	1.0
70101700	TRAFFIC CONTROL AND PROTECTION	L. SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,302.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	145.0
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	640.0
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	178.0
XX002873	BRICK SIDEWALK REMOVAL	SQ FT	40.0
XX006793	BRICK SIDEWALK	SQ FT	40.0
40600995	TEMPORARY RAMP, SPECIAL	SQ YD	131.0



PROJECT LOCATION
 SOUTH SEMINARY STREET
 FROM SOUTH CITY LIMITS TO FIFTH STREET

GENERAL LOCATION MAP

NOT TO SCALE

LENGTH OF PROJECT = 2,709 FT = 0.513 MILES

THIS PROJECT INCLUDES REMOVAL OF 3.0" OF THE EXISTING HMA SURFACE FOR THE ENTIRE PROJECT LIMITS, AND OVERLAY WITH 2.25" OF PHMA BINDER COURSE IL-19.0 N50 AND 1.25" OF PHMA SURFACE COURSE MIX D N50. OTHER IMPROVEMENTS WILL INCLUDE CURB AND GUTTER REPAIRS, SIDEWALK REPAIRS, THERMOPLASTIC STRIPING, AND OTHER COLLATERAL WORK.

HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

CATALOG # 034234-00

ENGINEERING DIVISION
 CITY OF GALESBURG ILLINOIS

APPROVED 7/11 2009

 LOCAL AGENCY REPRESENTATIVE

PASSED 7-8 2009

Don Chial
 DISTRICT 4 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW 7/7 2009

Joseph E. Browner
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 4 ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TITLE SHEET

S. SEMINARY STREET
 SECTION # 09-00501-25-RS
 CONTRACT # 89519
 JOB # C-94-077-09



SCHEDULE OF QUANTITIES

CONTRACT #	SECTION #	TOTAL SHEETS	SHEET NO.
89519	09-00501-25-RS	8	2

**40600115
P BIT MATLS PR CT**

(RATE: 0.10 GAL/SY INITIAL & 0.05 GAL/SY FDR FOG COAT)

STA. 10+00 - 10+93	38.8 GAL
STA. 10+93 - 37+08.5	1,220.6 GAL
TOTAL	1,259.4 GAL

**40600300
AGG PR CT**

(RATE: 4 LB/SY FDR 2 APPLICATIONS)

STA. 10+00 - 28+79	1.0 TON
STA. 28+79 - 29+02	32.6 TON
TOTAL	34.0 TON

**40600990
TEMPORARY RAMP**

STA. 10+00 CL (APP 1)	31.1 SQ YD
STA. 10+00 CL (APP 2)	15.6 SQ YD
STA. 17+63 LT	36.4 SQ YD
STA. 25+52 LT	13.6 SQ YD
STA. 25+52 RT	11.8 SQ YD
STA. 31+59 RT	37.7 SQ YD
STA. 36+98.5 (APP 1)	31.1 SQ YD
STA. 36+98.5 (APP 2)	15.6 SQ YD
TOTAL	193.0 SQ YD

**40603230
P HMA BC IL-19.0 N50**

STA. 10+00 - 10+93	33.8 TON
STA. 10+93 - 37+08.5	1,060.8 TON
TOTAL	1,094.6 TON

**40603535
P HMA SC 'D' N50**

STA. 10+00 - 10+93	18.7 TON
STA. 10+93 - 37+08.5	589.3 TON
TOTAL	608.0 TON

**42400100
PCC SIDEWALK 4 INCH**

STA. 30+20 RT	78.4 SQ FT
STA. 31+72 RT	28.0 SQ FT
STA. 31+76 RT	43.6 SQ FT
STA. 33+90 RT	16.0 SQ FT
STA. 35+29 RT	14.0 SQ FT
STA. 37+13 RT	44.0 SQ FT
STA. 37+22 RT	95.5 SQ FT
STA. 37+27 RT	20.0 SQ FT
STA. 26+24 LT	16.0 SQ FT
STA. 26+69 LT	16.0 SQ FT
STA. 27+24 LT	16.0 SQ FT
STA. 28+23 LT	63.2 SQ FT
STA. 28+84 LT	16.0 SQ FT
STA. 29+19 LT	32.0 SQ FT
STA. 29+51 LT	94.8 SQ FT
STA. 30+22 LT	46.8 SQ FT
STA. 30+44 LT	25.2 SQ FT
STA. 30+60 LT	76.8 SQ FT
STA. 30+91 LT	52.8 SQ FT
STA. 31+04 LT	38.0 SQ FT
STA. 31+47 LT	47.6 SQ FT
STA. 32+43 LT	47.6 SQ FT
STA. 37+09 LT	32.0 SQ FT
TOTAL	960.0 SQ FT

**42400300
PCC SIDEWALK 6 INCH**

STA. 21+53 RT	16.0 SQ FT
STA. 33+11 RT	48.0 SQ FT
STA. 33+45 RT	73.6 SQ FT
STA. 26+84 LT	32.0 SQ FT
STA. 27+40 LT	16.0 SQ FT
STA. 28+68 LT	63.2 SQ FT
STA. 30+34 LT	42.8 SQ FT
STA. 30+51 LT	38.0 SQ FT
STA. 31+17 LT	52.4 SQ FT
STA. 33+68 LT	15.2 SQ FT
TOTAL	397.0 SQ FT

**42400410
PCC SIDEWALK 8 INCH**

STA. 31+67 RT	36.5 SQ FT
STA. 37+22 RT	20.0 SQ FT
STA. 37+31 RT	20.0 SQ FT
TOTAL	77.0 SQ FT

**42400800
DETECTABLE WARNINGS**

STA. 31+67 RT	8.0 SQ FT
STA. 37+22 RT	8.0 SQ FT
STA. 37+31 RT	8.0 SQ FT
TOTAL	24.0 SQ FT

**44000161
HMA SURF REM 3**

STA. 10+00 - 10+93	258.9 SQ YD
STA. 10+93 - 37+08.5	8,137.1 SQ YD
TOTAL	8,396.0 SQ YD

**44000500
COMB CURB GUTTER REM**

STA. 21+61 RT	4.2 FT
STA. 24+47 RT	9.0 FT
STA. 25+00 RT	5.2 FT
STA. 31+68 RT	7.0 FT
STA. 37+20 RT	7.0 FT
STA. 37+32 RT	7.0 FT
STA. 28+72 LT	3.0 FT
STA. 31+19 LT	3.0 FT
TOTAL	45.0 FT

**44000600
SIDEWALK REMOVAL**

STA. 21+53 RT	16.0 SQ FT
STA. 30+20 RT	78.4 SQ FT
STA. 31+69 RT	32.9 SQ FT
STA. 31+72 RT	28.0 SQ FT
STA. 31+76 RT	43.6 SQ FT
STA. 33+11 RT	48.0 SQ FT
STA. 33+45 RT	73.6 SQ FT
STA. 33+90 RT	16.0 SQ FT
STA. 35+29 RT	14.0 SQ FT
STA. 37+13 RT	55.2 SQ FT
STA. 37+22 RT	44.0 SQ FT
STA. 37+27 RT	40.4 SQ FT
STA. 26+24 LT	16.0 SQ FT
STA. 26+69 LT	16.0 SQ FT
STA. 26+84 LT	32.0 SQ FT
STA. 27+24 LT	16.0 SQ FT
STA. 27+40 LT	16.0 SQ FT
STA. 28+23 LT	63.2 SQ FT
STA. 28+68 LT	79.2 SQ FT
STA. 29+19 LT	32.0 SQ FT
STA. 29+51 LT	94.8 SQ FT
STA. 30+22 LT	46.8 SQ FT
STA. 30+44 LT	229.6 SQ FT
STA. 30+91 LT	143.2 SQ FT
STA. 31+47 LT	47.6 SQ FT
STA. 32+43 LT	47.6 SQ FT
STA. 33+68 LT	15.2 SQ FT
STA. 37+09 LT	32.0 SQ FT
TOTAL	1,411.0 SQ FT

**44201325
CL C PATCH T1 8**

STA. 21+61 RT	2.5 SQ YD
TOTAL	3.0 SQ YD

**44201329
CL C PATCH T2 8**

STA. 31+17 LT	5.5 SQ YD
TOTAL	6.0 SQ YD

**60300305
FRAMES AND LIDS TO BE ADJUSTED**

STA. 10+95 CL	1.0 EA
STA. 14+41 CL	1.0 EA
STA. 17+68 CL	1.0 EA
STA. 21+40 CL	1.0 EA
STA. 24+61 CL	1.0 EA
STA. 24+83 CL	1.0 EA
STA. 31+51 CL	1.0 EA
TOTAL	7.0 EA

**60603900
COMB CC&G TB6.12 (AEP)**

STA. 21+61 RT	4.2 FT
STA. 24+47 RT	9.0 FT
STA. 25+00 RT	5.2 FT
STA. 31+68 RT	7.0 FT
STA. 37+20 RT	7.0 FT
STA. 37+32 RT	7.0 FT
STA. 28+72 LT	3.0 FT
STA. 31+19 LT	3.0 FT
TOTAL	45.0 FT

**67100100
MOBILIZATION**

ENTIRE PROJECT	1.0 L.SUM
TOTAL	1.0 L.SUM

**70101700
TRAFFIC CONTROL & PROTECTION**

ENTIRE PROJECT	1.0 L.SUM
TOTAL	1.0 L.SUM

**70300100
SHORT-TERM PAVT MKING**

YELLOW SKIP DASH, 4' EVERY 40'

STA. 10+00 - 17+29	76.0 FT
STA. 17+95 - 24+29	64.0 FT
STA. 24+94 - 31+19	64.0 FT
STA. 31+87 - 37+08.5	52.0 FT
TOTAL	256.0 FT

WHITE EDGE LINE

STA. 10+00 - 10+89 LT	89.0 FT
STA. 10+00 - 10+89 RT	89.0 FT
TOTAL	178.0 FT

X 3 APPLICATIONS

TOTAL 1,302.0 FT

**70301000
WORK ZONE PAVT MK REM**

ENTIRE PROJECT	144.7 SQ FT
1 APP. SHT TRM PVT MK REM	16.0 SQ FT
TOTAL	145.0 SQ FT

**78000200
THPL PVT MK LINE 4**

YELLOW SKIP DASH, 10' EVERY 40'

STA. 10+00 - 17+29	190.0 FT
STA. 17+95 - 24+29	160.0 FT
STA. 24+94 - 31+19	160.0 FT
STA. 31+87 - 37+08.5	130.0 FT
TOTAL	640.0 FT

**78000500
THPL PVT MK LINE 8**

WHITE EDGE LINE

STA. 10+00 - 10+89 LT	89.0 FT
STA. 10+00 - 10+89 RT	89.0 FT
TOTAL	178.0 FT

**XX002873
BRICK SIDEWALK REMOVAL**

STA. 31+72 RT	40.0 SQ FT
TOTAL	40.0 SQ FT

**XX006793
BRICK SIDEWALK**

STA. 31+72 RT	40.0 SQ FT
TOTAL	40.0 SQ FT

**40600995
TEMPORARY RAMP, SPECIAL**

STA. 11+13 LT	2.5 SQ YD
STA. 12+06 LT	3.1 SQ YD
STA. 13+43 LT	2.3 SQ YD
STA. 14+30 LT	2.0 SQ YD
STA. 15+12 LT	2.5 SQ YD
STA. 16+11 LT	3.8 SQ YD
STA. 16+57 LT	2.4 SQ YD
STA. 19+40 LT	3.3 SQ YD
STA. 20+63 LT	2.4 SQ YD
STA. 21+37 LT	2.4 SQ YD
STA. 21+60 RT	2.5 SQ YD
STA. 22+02 RT	2.7 SQ YD
STA. 22+06 LT	2.5 SQ YD
STA. 22+77 LT	2.5 SQ YD
STA. 23+42 LT	3.5 SQ YD
STA. 23+76 RT	2.0 SQ YD
STA. 24+61 LT	7.2 SQ YD
STA. 24+61 RT	7.7 SQ YD
STA. 26+02 RT	2.8 SQ YD
STA. 26+19 LT	2.5 SQ YD
STA. 26+51 RT	2.8 SQ YD
STA. 26+86 LT	2.9 SQ YD
STA. 27+02 RT	2.7 SQ YD
STA. 27+44 LT	2.7 SQ YD
STA. 27+89 RT	2.8 SQ YD
STA. 28+17 LT	2.9 SQ YD
STA. 28+45 RT	2.8 SQ YD
STA. 28+75 LT	2.5 SQ YD
STA. 29+44 LT	3.3 SQ YD
STA. 29+78 RT	2.1 SQ YD
STA. 30+11 RT	2.4 SQ YD
STA. 30+39 LT	1.6 SQ YD
STA. 30+57 LT	2.4 SQ YD
STA. 31+10 LT	2.9 SQ YD
STA. 31+67 LT	3.1 SQ YD
STA. 32+67 LT	1.9 SQ YD
STA. 33+16 RT	2.5 SQ YD
STA. 33+53 RT	3.1 SQ YD
STA. 34+63 LT	2.8 SQ YD
STA. 34+74 RT	2.9 SQ YD
STA. 35+28 LT	2.1 SQ YD
STA. 35+60 RT	2.4 SQ YD
STA. 36+40 LT	5.5 SQ YD
STA. 36+45 RT	2.3 SQ YD
TOTAL	131.0 SQ YD

MIX DESIGN SPECIFICATIONS

THE FOLLOWING MIXTURE REQUIREMENT ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	POLYMER SURFACE COURSE	POLYMER BINDER COURSE
AC/PG:	SBS/SBR PG 70-22	SBS/SBR PG 70-22
RAP % (MAX)**	10%	10%
DESIGN AIR VOIDS:	4% @ N(ces) = 50	4% @ N(ces) = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 (ONLY)	IL 19.0
FRICTION AGGREGATE:	MIXTURE D (COLLOMITE ONLY)	N/A

PAVEMENT DESIGN SOUTH SEMINARY STREET

ACTUAL 2007 ADT = 2,450	STREET CLASSIFICATION: CLASS II															
DESIGN PERIOD = 20 YEARS	TRAFFIC FACTOR: 0.52															
PROJECTED 2019 ADT = 2,761 (WITH 1%/YEAR GROWTH RATE)	ILLINOIS BEARING RATIO: 3.0															
	STRUCTURAL NUMBER: 2.75															
<table border="1"> <thead> <tr> <th>TYPE</th> <th>%</th> <th>NO.</th> </tr> </thead> <tbody> <tr> <td>P.V.</td> <td>93.0</td> <td>2,568</td> </tr> <tr> <td>S.U.</td> <td>4.60</td> <td>127</td> </tr> <tr> <td>M.U.</td> <td>2.40</td> <td>66</td> </tr> <tr> <td>TOTAL</td> <td>100.0</td> <td>2,761</td> </tr> </tbody> </table>		TYPE	%	NO.	P.V.	93.0	2,568	S.U.	4.60	127	M.U.	2.40	66	TOTAL	100.0	2,761
TYPE	%	NO.														
P.V.	93.0	2,568														
S.U.	4.60	127														
M.U.	2.40	66														
TOTAL	100.0	2,761														
	REQUIRED OVERLAY = 3.0 INCHES OF HMA															
	PROPOSED OVERLAY = 3.50 INCHES OF HMA															

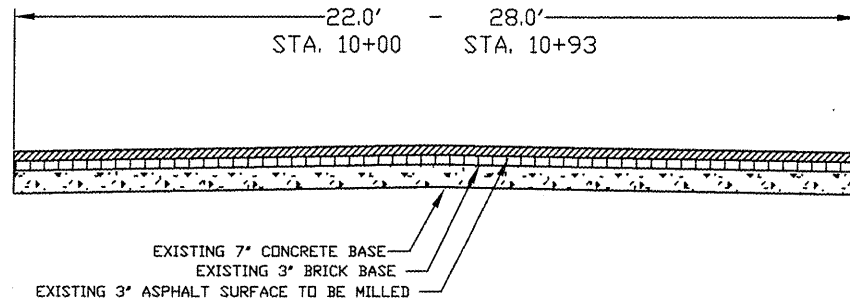
SCHEDULE OF QUANTITIES, HMA REQUIREMENTS, & PAVEMENT DESIGN

S. SEMINARY ST. RESURFACING
SECTION # 09-00501-25-RS

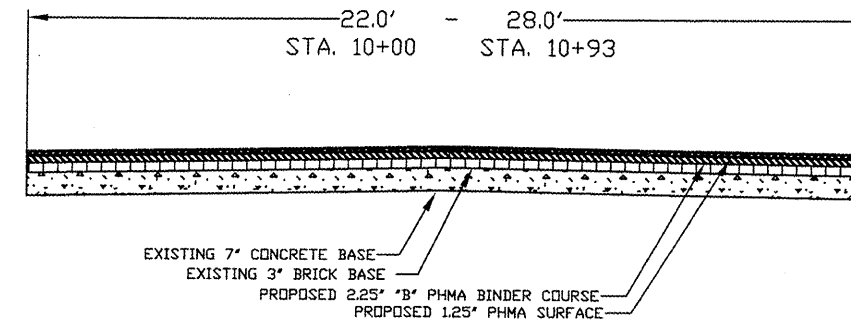


CONTRACT #	SECTION #	TOTAL SHEETS	SHEET NO.
89519	09-00501-25-RS	8	3

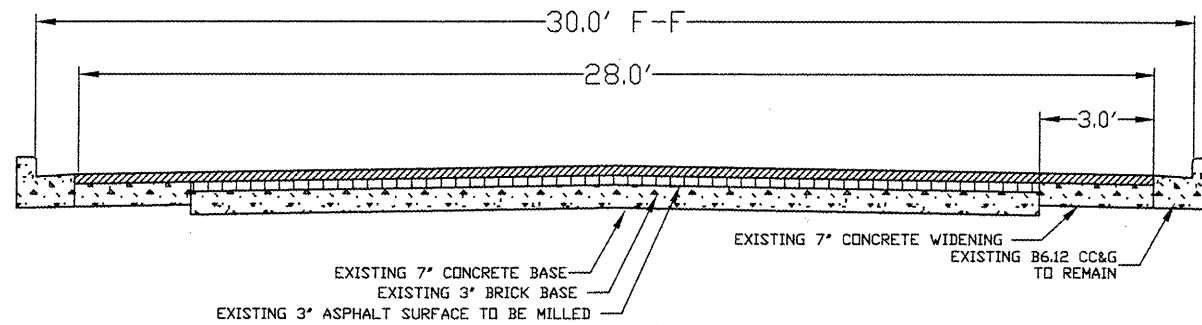
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STA. 10+00 - 10+93
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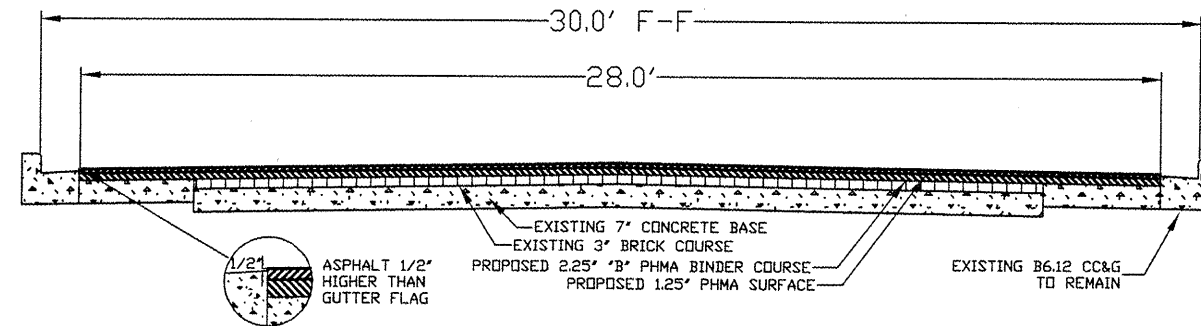
PROPOSED TYPICAL SECTION
STA. 10+00 - 10+93
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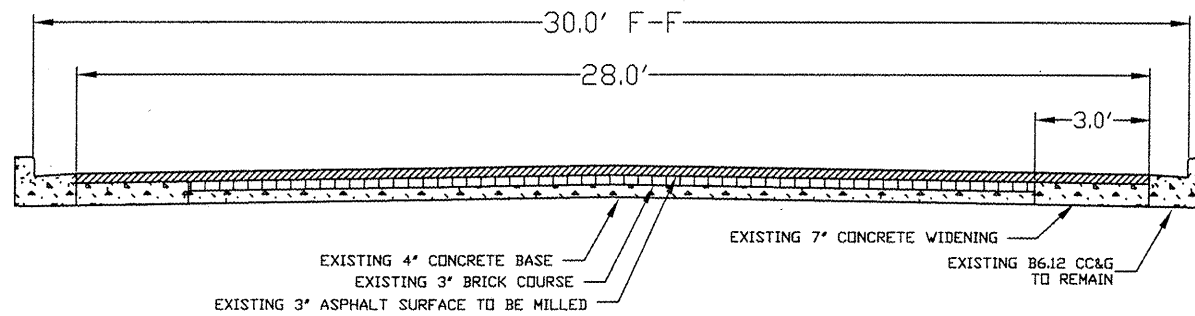
EXISTING TYPICAL SECTION
STA. 10+93 - 23+10
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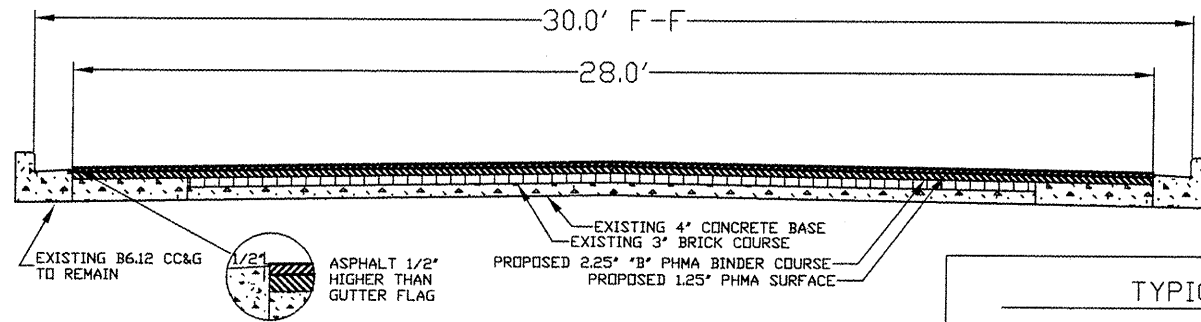
PROPOSED TYPICAL SECTION
STA. 10+93 - 23+10
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EXISTING TYPICAL SECTION
STA. 23+10 - 37+08.5
 NOT TO SCALE



PROPOSED TYPICAL SECTION
STA. 23+10 - 37+08.5
 NOT TO SCALE

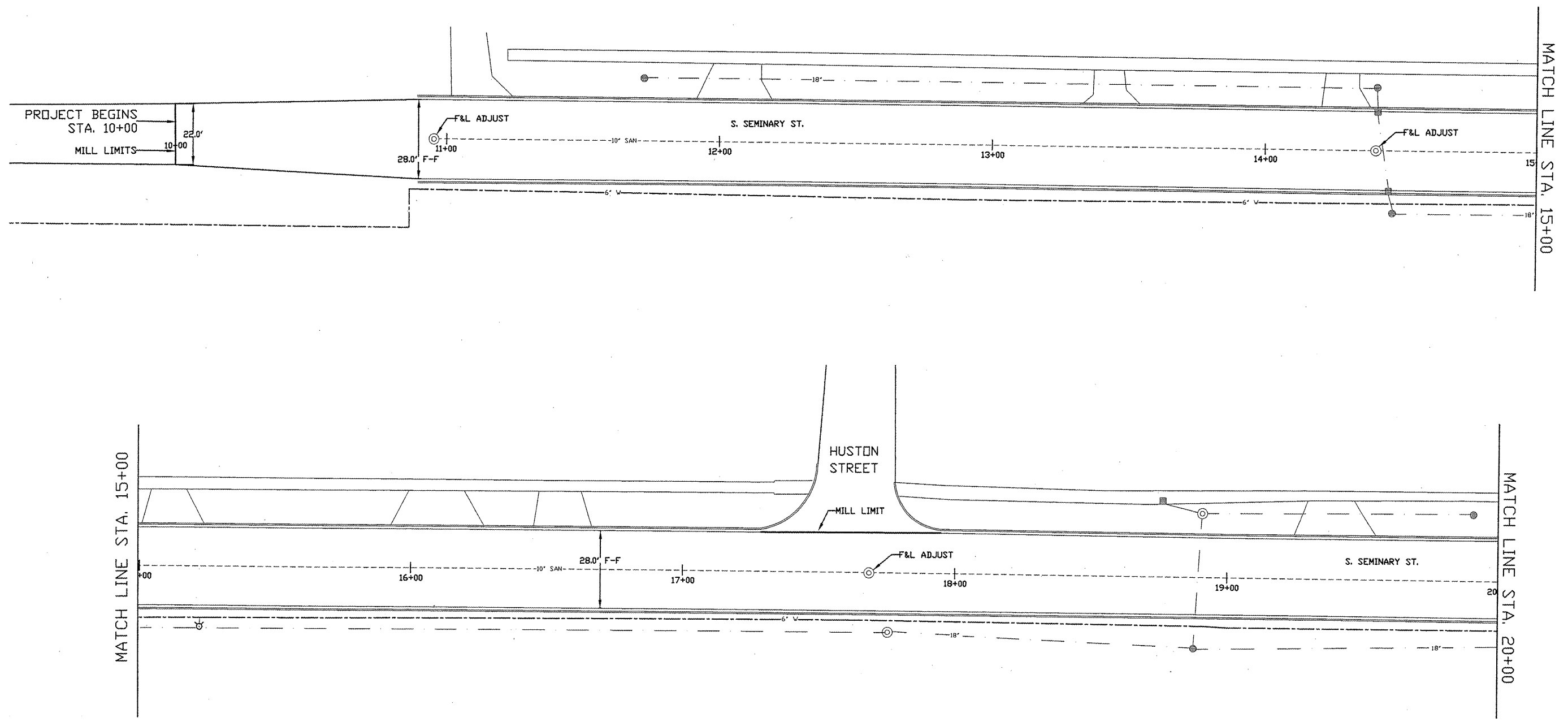


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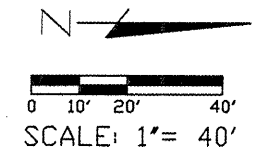
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ALESBURG, ILLINOIS
Proud Past • Strong Future

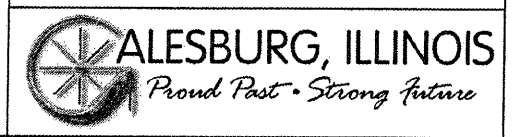
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89519	09-00501-25-RS	8	4



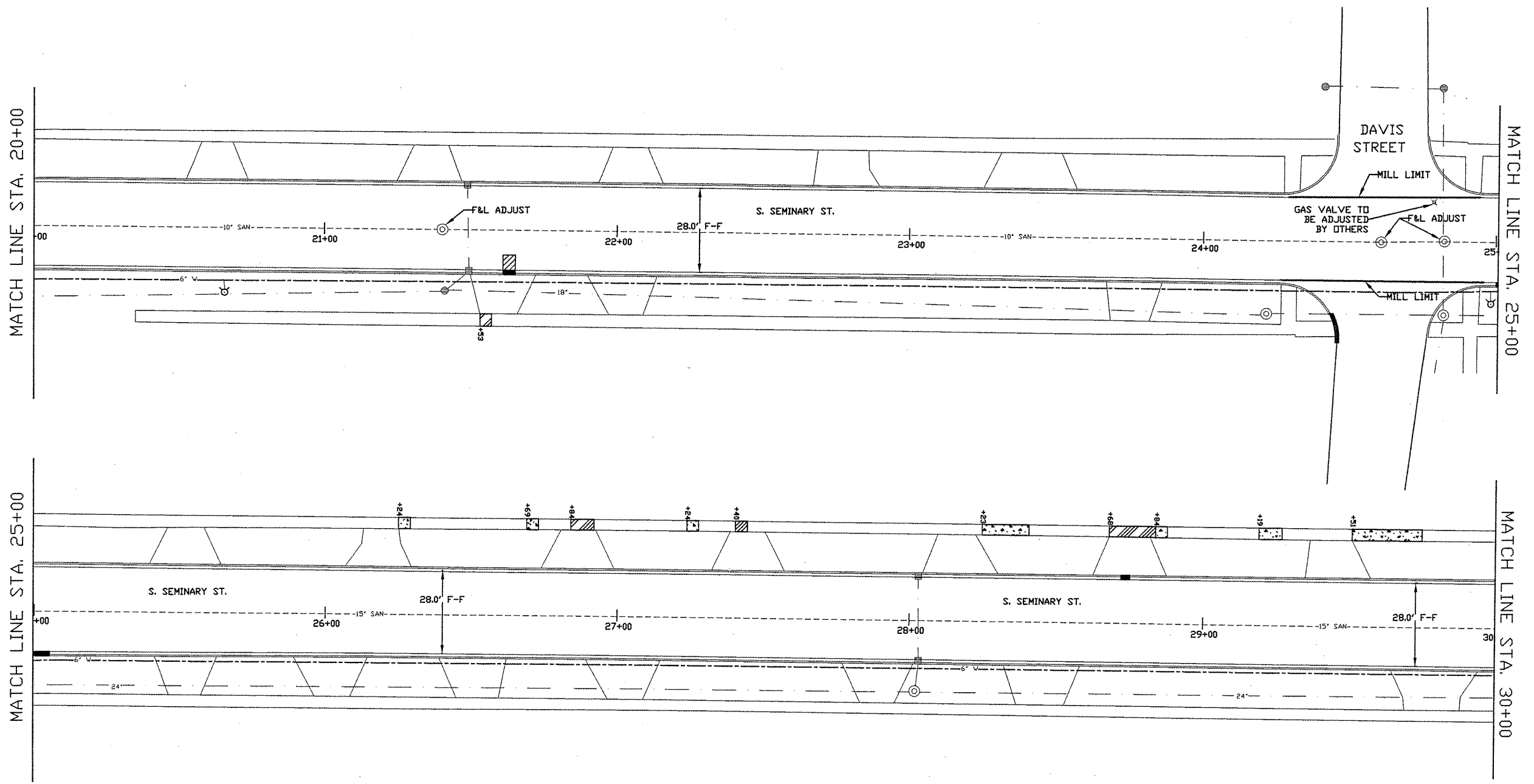
LEGEND					
	4' PCC SIDEWALK		8' PCC SIDEWALK		PAVEMENT PATCHING
	6' PCC SIDEWALK		BRICK SIDEWALK		WATER MAIN
			COMB CURB GUTTER REM & COMB CC&G TB6.12 (AEP)		SANITARY SEWER
					STORM SEWER



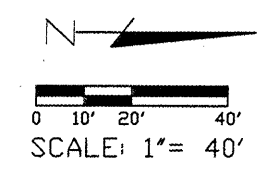
PLAN SHEET 1/3
 S. SEMINARY ST. RESURFACING
 SECTION # 09-00501-25-RS



CONTRACT #	SECTION #	TOTAL SHEETS	SHEET NO.
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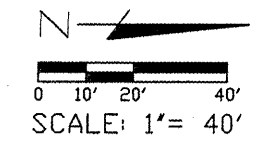
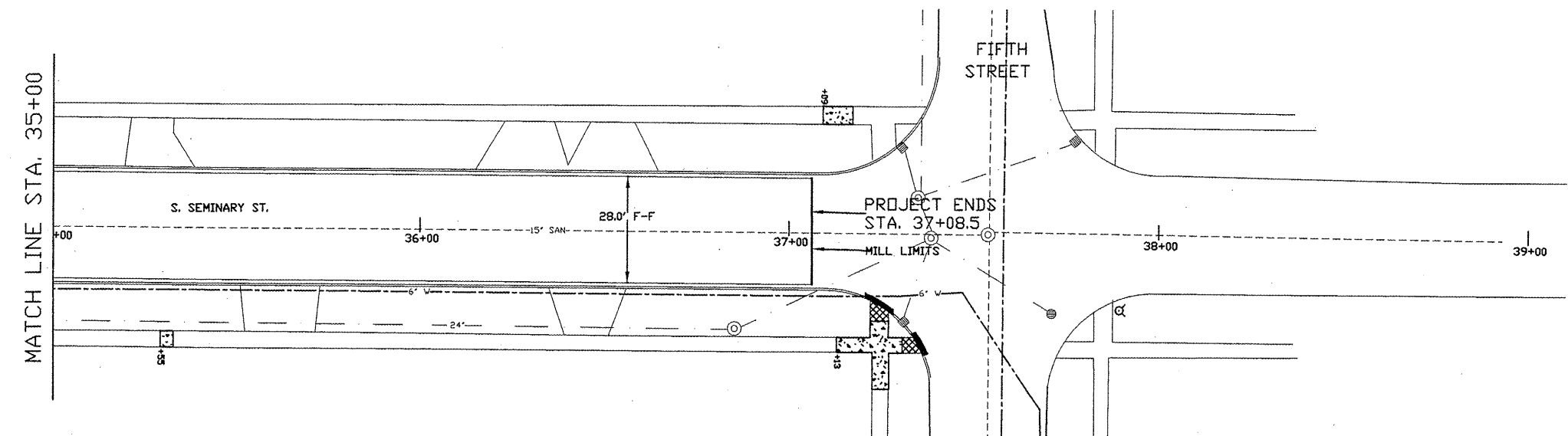
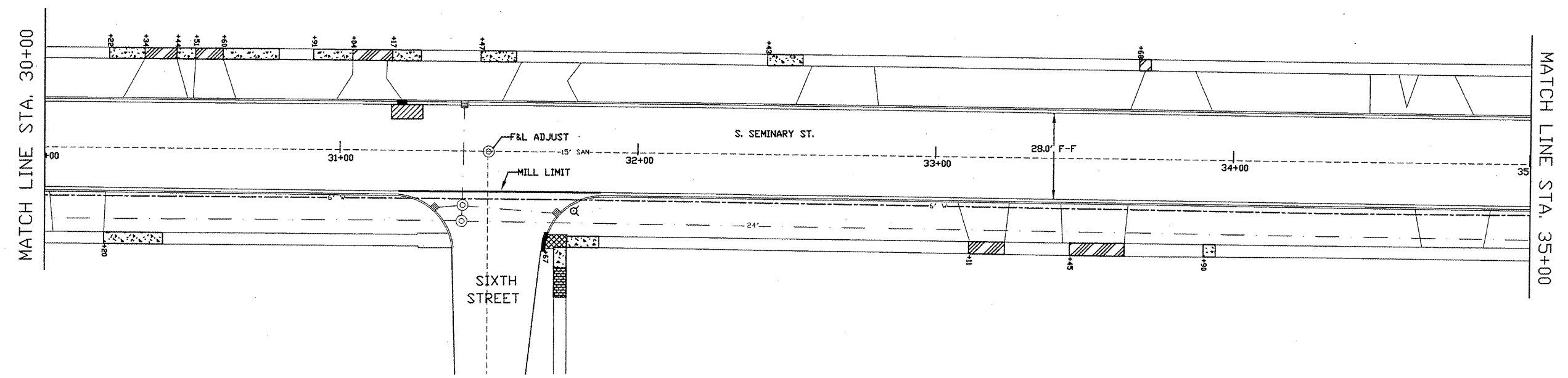
LEGEND					
	4' PCC SIDEWALK		8' PCC SIDEWALK		PAVEMENT PATCHING
	6' PCC SIDEWALK		BRICK SIDEWALK		COMB CURB GUTTER REM & COMB CC&G TB6.12 (AEP)
	WATER MAIN		SANITARY SEWER		STORM SEWER



PLAN SHEET 2/3
 S. SEMINARY ST. RESURFACING
 SECTION # 09-00501-25-RS

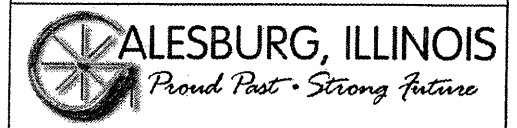


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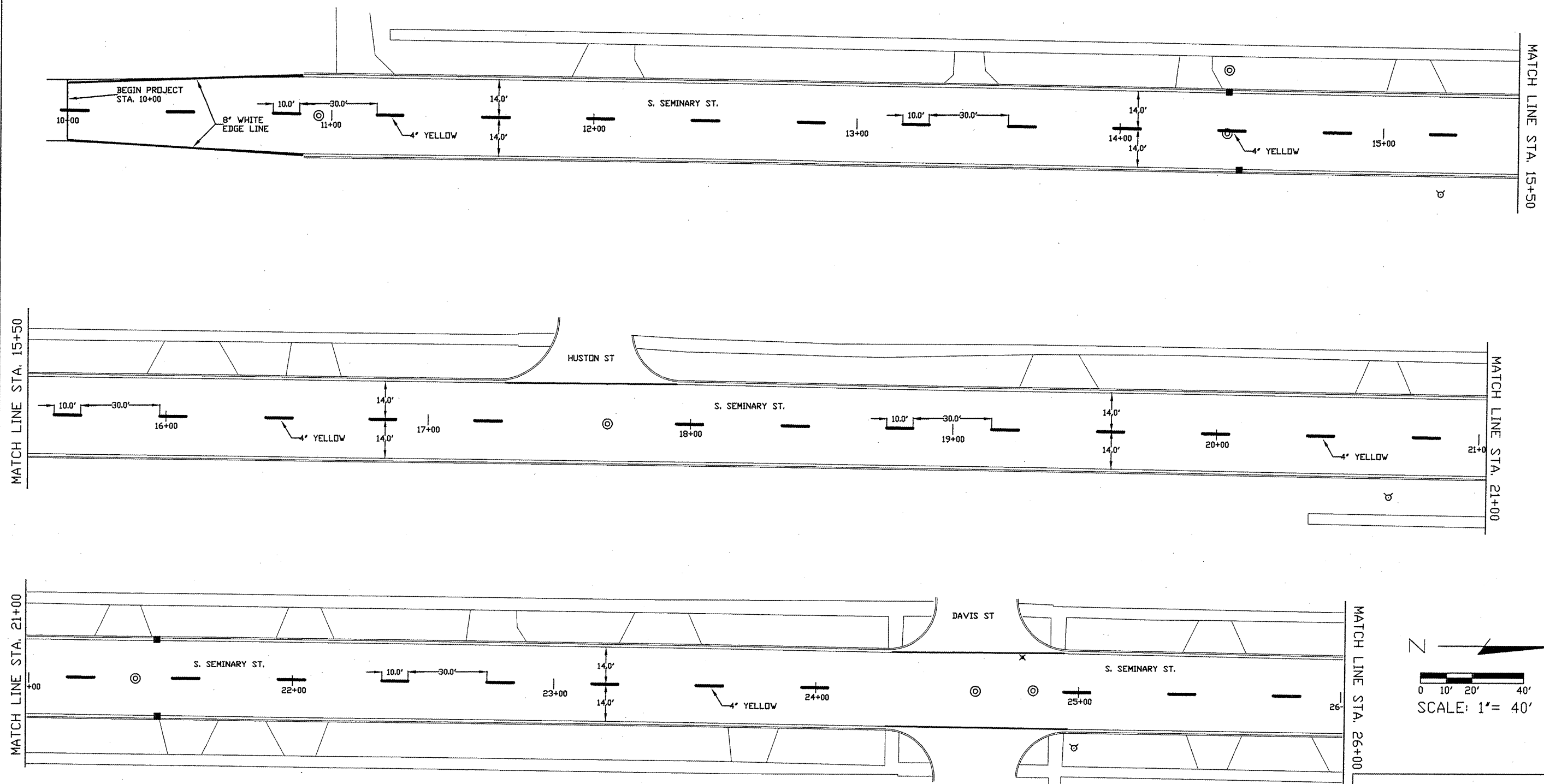


LEGEND					
	4" PCC SIDEWALK		8" PCC SIDEWALK		PAVEMENT PATCHING
	6" PCC SIDEWALK		BRICK SIDEWALK		WATER MAIN
	COMB CURB GUTTER REM & COMB CC&G TB6.12 (AEP)		SANITARY SEWER		STORM SEWER

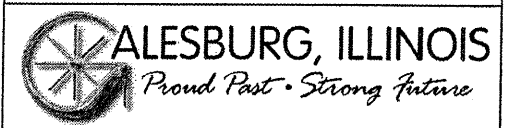
PLAN SHEET 3/3
 S. SEMINARY ST. RESURFACING
 SECTION # 09-00501-25-RS



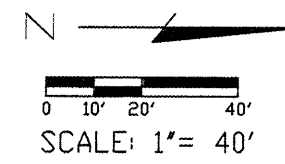
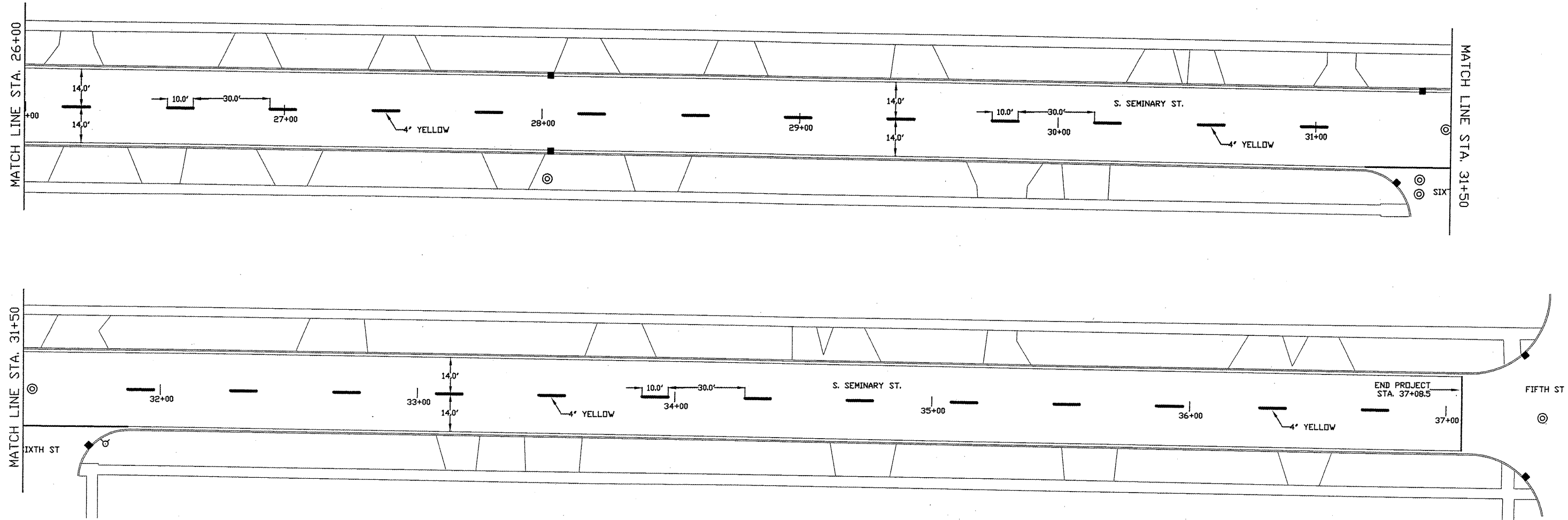
CONTRACT #	SECTION #	TOTAL SHEETS	SHEET NO.
89519	09-00501-25-RS	8	7



STRIPING DETAILS 1/2
 S. SEMINARY ST. RESURFACING
 SECTION # 09-00501-25-RS



CONTRACT #	SECTION #	TOTAL SHEETS	SHEET NO.
89519	09-00501-25-RS	8	8



STRIPING DETAILS 2/2
S. SEMINARY ST. RESURFACING
SECTION # 09-00501-25-RS

