

03-05-2021 LETTING ITEM 118

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
EAST HILL STREET IMPROVEMENTS
ROADWAY IMPROVEMENTS**
CITY OF GENOA
DEKALB COUNTY

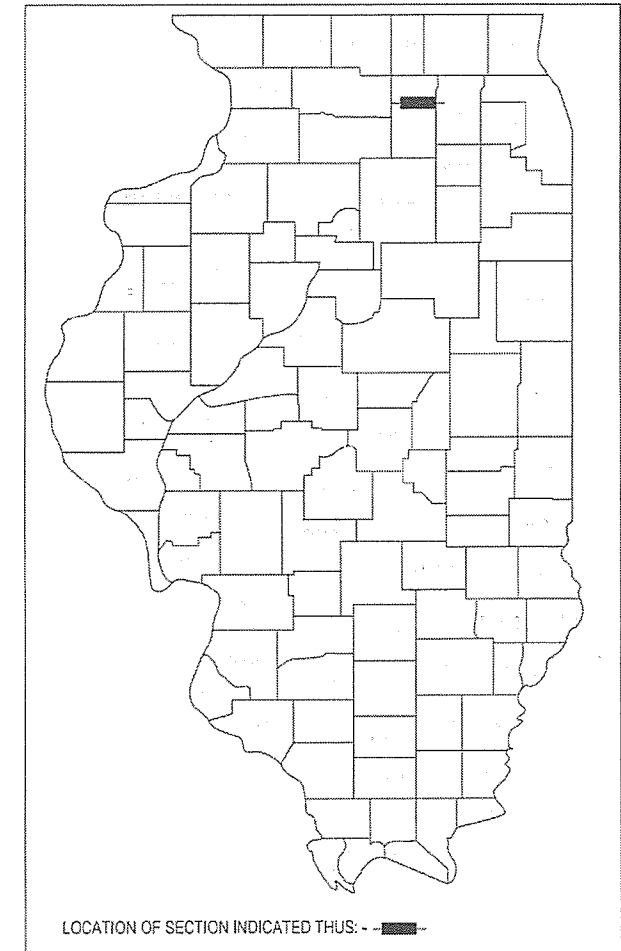
F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5503	20-00041-00-RS	DEKALB	12	1
ILLINOIS		CONTRACT NO.	87765	

EAST HILL STREET IMPROVEMENTS

INDEX OF SHEETS

Sheet #1	Cover
Sheet #2	Quantities and Typical Sections
Sheet #3 - #6	Site Improvement Plans
Sheet #7 - #12	Intersection Detail Plans

SECTION: 20-00041-00-RS
PROJECT NO: 20P8 (582)
ROUTE: FAU 5503 (EAST HILL STREET)
JOB NO. C-93-052-21
CONTRACT NO. 87765

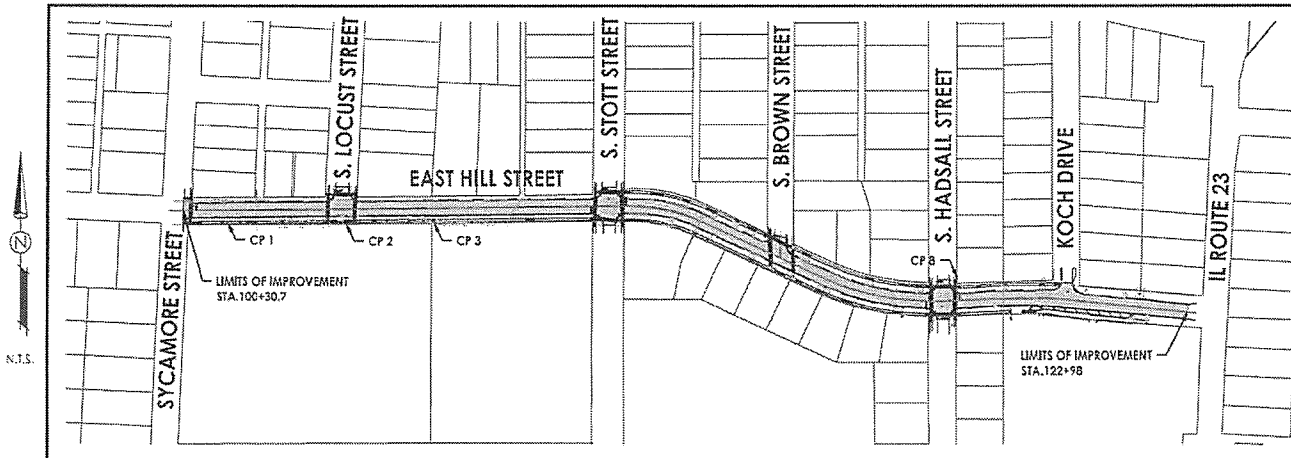


HIGHWAY STANDARDS

- 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 - 604001-07 CONCRETE CURB TYPE BAND COMBINATION CURB AND GUTTER
 - 701801-04 LANE CLOSURE 2L 2W SHORT TIME OPERATIONS
 - 701811-03 LANE CLOSURE 2L 2W MOVING OPERATIONS-DAY ONLY
 - 701801-02 SIDEWALK CORNER OR CROSSWALK CLOSURE
 - 701901-08 TRAFFIC CONTROL DEVICES
- BLR 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITY CONTACTS:

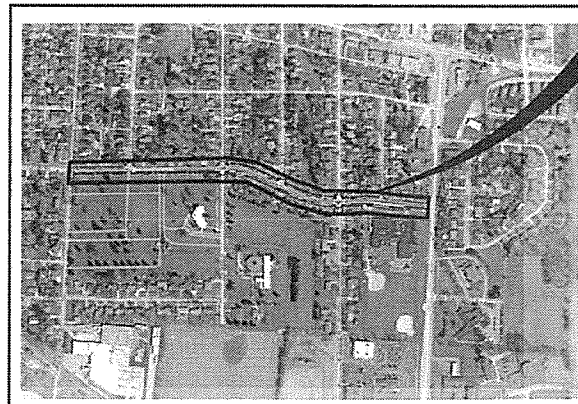
- CITY OF GENOA
PAUL HAUGLE
(815) 784-2271
- DEKALB FIBER OPTIC, LLC
ROGER ENGLE
(630) 463-6331
- FRONTIER COMMUNICATIONS
KALIN HINSHAW
(815) 895-1515
- NICOR GAS
(630) 388-2362
- CHARTER COMMUNICATIONS
ALAN ZARECKI
(608) 373-7540
- COMED
(630) 574-7094
- WINDSTREAM KDL/MCLEOD USA
(800) 289-1901
- METRO FIBERNET, LLC
KORIE NELLIS
(812) 213-1378



CITY OF GENOA, ILLINOIS

PROJECT LENGTH: 2,267' OR 0.43 MILES

SITE LOCATION MAP



CONTROL POINTS / BENCHMARKS				
CP/BM #	HOPPING	EASTING	ELEVATION	DESCRIPTION
1	1976922.4218	868843.3956	849.85	CONTROL POINT - SPIKE
2	1976918.9277	867125.7077	833.39	CONTROL POINT - SPIKE
3	1976918.8042	887322.2850	853.90	CONTROL POINT - SPIKE
4	1976974.4485	888481.7725	847.42	CONTROL POINT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: January 14, 2021
Richard H. ...
DIRECTOR OF PUBLIC WORKS, CITY OF GENOA

PASSED: January 14, 2021
[Signature]
DISTRICT ENGINEER OF LOCAL ROADS

RELEASED FOR BID
BASED ON LIMITED
REVIEW: January 11, 2021
[Signature]
REGION 2 ENGINEER

CONTACT:
J.U.L.I.E.
DIAL: 811
PRIOR TO ANY CONSTRUCTION
CONTRACT NO. 87765

DATE 10/21/20
C.E.S. JOB #5032

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SEAL COVERS SHEETS 1-12

PLANS PREPARED BY:

KEVIN C. BUNGE, PE
EXPIRES 11/30/2021

700 W. LOCUST ST.
BELVIDERE, IL 61008
PHONE: (815) 547-8455
FAX: (815) 544-0421
E-MAIL: DESIGN@CESINC.COM

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE 0005

PAY ITEM	DESCRIPTION	QTY	UNIT
20101400	NITROGEN FERTILIZER NUTRIENT	31	LB
20101500	PHOSPHORUS FERTILIZER NUTRIENT	31	LB
20101600	POTASSIUM FERTILIZER NUTRIENT	31	LB
21101615	TOPSOIL FURNISH AND PLACE, 4"	1689	SY
25000100	SEEDING, CLASS 1	0.04	AC
25100630	EROSION CONTROL BLANKET	1689	SY
28000500	INLET AND PIPE PROTECTION	10	EA
35102000	AGGREGATE BASE COURSE, TYPE B, 8"	13	SY
35102200	AGGREGATE BASE COURSE, TYPE B, 10"	12	SY
35800100	PREPARATION OF BASE	9155	SY
40600275	BITUMINOUS MATERIALS (PRIME COAT)	20598	LB
40600290	BITUMINOUS MATERIALS (TACK COAT)	2060	LB
40603080	HMA BINDER COURSE, IL 19.0, N50	1053	TON
40604060	HMA SURFACE COURSE, IL 9.5, MIX "A", N50	1056	TON
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	5247	SF
42400300	PORTLAND CEMENT CONCRETE SIDEWALK, 6"	417	SF
42400800	DETECTABLE WARNINGS	262	SF
44000100	PAVEMENT REMOVAL	25	SY
44000169	HMA SURFACE REMOVAL, 5"	9155	SY
44000500	COMBINATION CURB AND GUTTER REMOVAL	1822	FT
44000600	SIDEWALK REMOVAL	5664	SF
60255500	MANHOLES TO BE ADJUSTED	8	EA
60260100	INLETS TO BE ADJUSTED	4	EA
60266600	VALVE VAULTS TO BE ADJUSTED	6	EA
60603800	COMBINATION CURB AND GUTTER, TYB6.12	2207	FT
67100100	MOBILIZATION	1	LSUM
78000200	THERMOPLASTIC PAVEMENT MARKINGS - LINE, 4"	900	FT
78000400	THERMOPLASTIC PAVEMENT MARKINGS - LINE, 6"	1037	FT
78000600	THERMOPLASTIC PAVEMENT MARKINGS - LINE, 12"	888	FT
78000650	THERMOPLASTIC PAVEMENT MARKINGS - LINE, 24"	145	FT
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	1	LSUM
Z0033700	LONGITUDINAL JOINT SEALANT	2269	FT
Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	603	FT

Δ SPECIALTY ITEMS

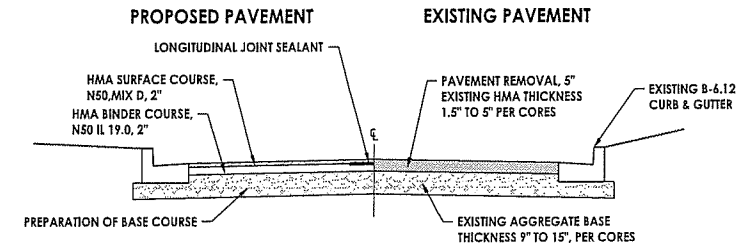
* SPECIAL PROVISIONS

PAVEMENT CORE DATA

APPROXIMATE STATION	HMA DEPTH	AGGREGATE DEPTH
102+10	5"	9"
103+90	3.5"	11"
105+75	3.5"	11.5"
109+15	4"	11"
112+60	2"	15"
114+20	2.5"	12.5"
115+60	3.5"	11.5"
117+50	2.5"	12.5"
118+90	3.5"	11.5"
120+50	1.5"	13.5"

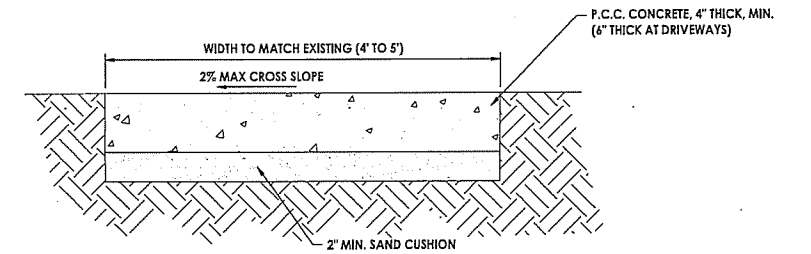
HMA MIXTURE REQUIREMENTS TABLE

HMA MIXTURE REQUIREMENT TABLE		
LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE	HMA BINDER
BINDER GRADE (PG):	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIXTURE D	NA
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA
SUBLOT SIZE:	NA	NA
DENSITY TEST METHOD:	LR 1030	LR 1030



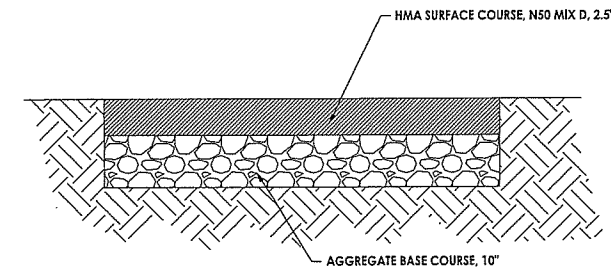
TYPICAL ROADWAY SECTION

N.T.S.
STA. 100+30 TO STA. 122+98



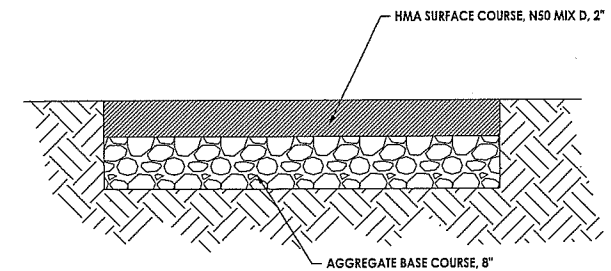
TYPICAL SIDEWALK SECTION

N.T.S.



TYPICAL ALLEY SECTION

N.T.S.



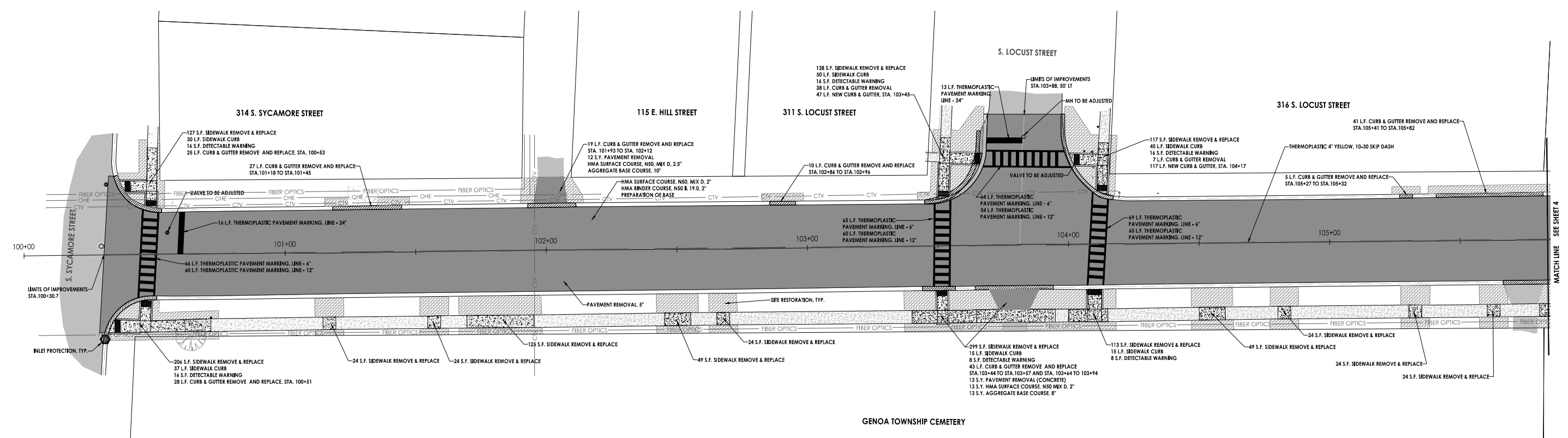
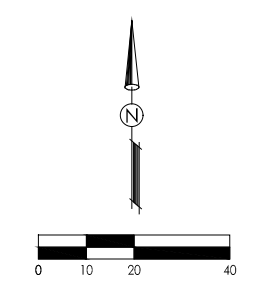
TYPICAL DRIVEWAY SECTION

N.T.S.



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ILLINOIS DESIGN FIRM NO. 184-001260

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Date	Revision	By
12/21/20	PER I.D.O.T. REVIEW	SRK
1/21/21	PER I.D.O.T. REVIEW	SRK
QUANTITIES AND TYPICAL SECTIONS EAST HILL STREET IMPROVEMENTS CONTRACT NO.: 87765 SECTION 20-00041-00-RS		
CHECKED BY: SRK	DATE: 11/12/20	DRAWN BY: JS
DATE: 11/12/20	DATE: 11/12/20	
		Sheet
		2 of 12



GENOA TOWNSHIP CEMETERY

NOTES:

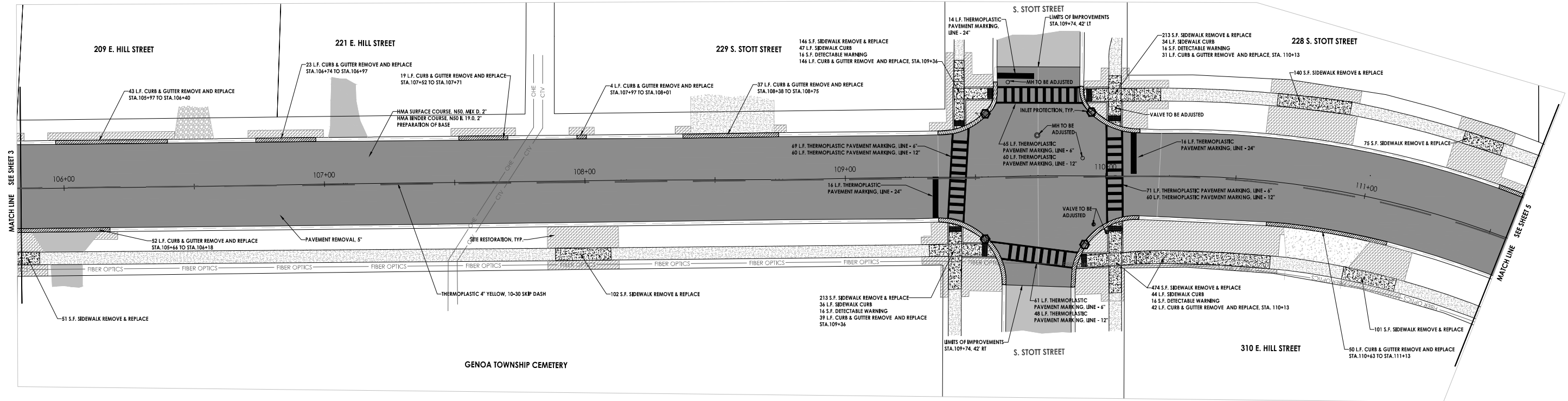
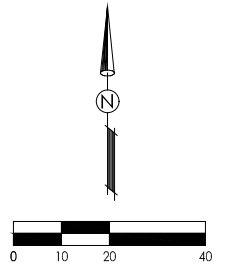
1. CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
2. ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.
3. SITE RESTORATION SHALL INCLUDE TOPSOIL FURNISH AND PLACE (4"), SEEDING (CLASS 1) AND EROSION CONTROL BLANKET. SITE RESTORATION SHOWN ON THIS SHEET IS 369 S.Y.

LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING GRAVEL/SHOULDER
	EXISTING CONCRETE SIDEWALK
	PROPOSED HMA PAVEMENT
	PROPOSED SIDEWALK
	EXISTING CURB REMOVAL



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CHECKED BY: SRK	DATE: 11/12/20	DRAWN BY: JJS
DATE: 12/21/20	PER I.D.O.T. REVIEW	DATE: 11/12/20
SHEET NO. 20-00041-00-RS SHEET CURRENT PROJECT: 2002 BASE.dwg		Sheet 3 of 12

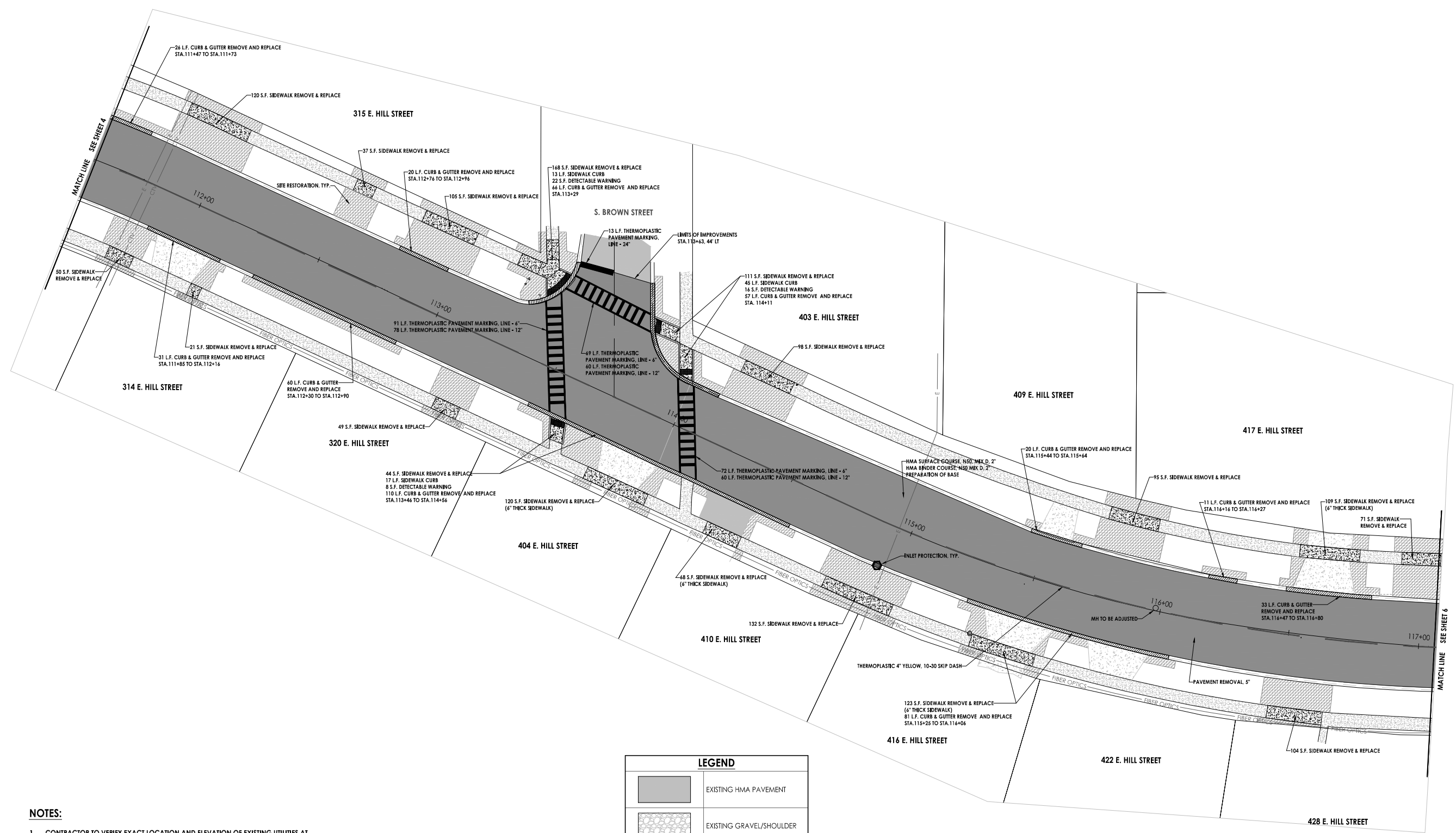
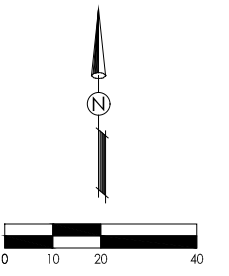


- NOTES:**
1. CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 2. ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.
 3. SITE RESTORATION SHALL INCLUDE TOPSOIL FURNISH AND PLACE (4"), SEEDING (CLASS 1) AND EROSION CONTROL BLANKET. SITE RESTORATION SHOWN ON THIS SHEET IS 425 S.Y.

LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING GRAVEL/SHOULDER
	EXISTING CONCRETE SIDEWALK
	PROPOSED HMA PAVEMENT
	PROPOSED SIDEWALK
	EXISTING CURB REMOVAL



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CHECKED BY: SRK	DRAWN BY: JJS	Sheet 4 of 12
DATE: 11/12/20	DATE: 11/12/20	



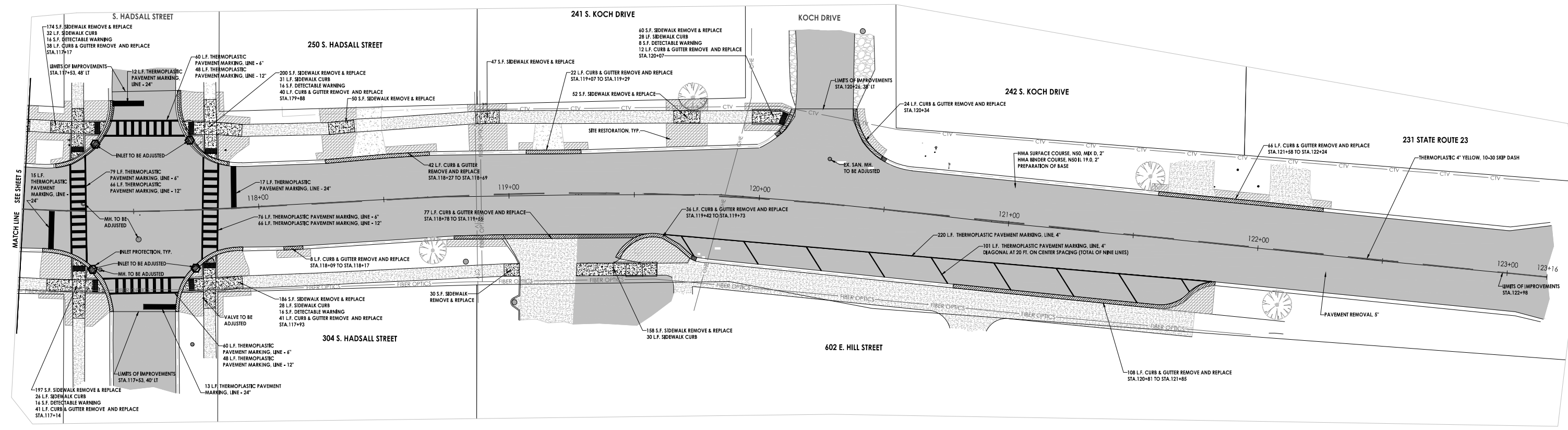
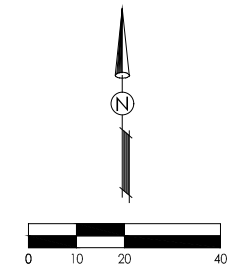
NOTES:

- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
- ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.
- SITE RESTORATION SHALL INCLUDE TOPSOIL FURNISH AND PLACE (4"). SEEDING (CLASS 1) AND EROSION CONTROL BLANKET. SITE RESTORATION SHOWN ON THIS SHEET IS 604 S.Y.

LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING GRAVEL/SHOULDER
	EXISTING CONCRETE SIDEWALK
	PROPOSED HMA PAVEMENT
	PROPOSED SIDEWALK
	EXISTING CURB REMOVAL



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DATE: 11/12/20	DATE: 11/12/20	5 of 12



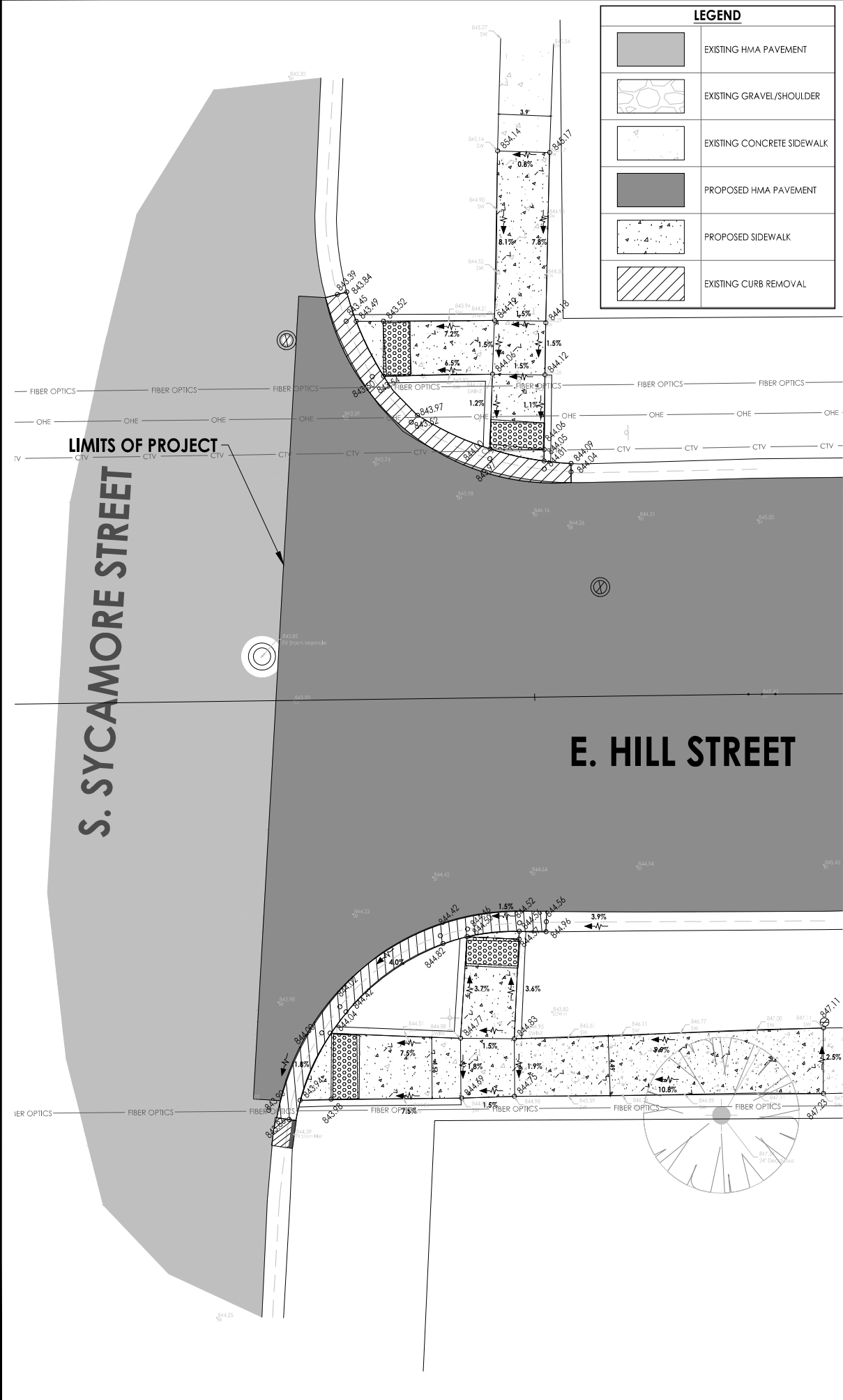
- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.
 - SITE RESTORATION SHALL INCLUDE TOPSOIL FURNISH AND PLACE (4"), SEEDING (CLASS 1) AND EROSION CONTROL BLANKET. SITE RESTORATION SHOWN ON THIS SHEET IS 291 S.Y.

LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING GRAVEL/SHOULDER
	EXISTING CONCRETE SIDEWALK
	PROPOSED HMA PAVEMENT
	PROPOSED SIDEWALK
	EXISTING CURB REMOVAL

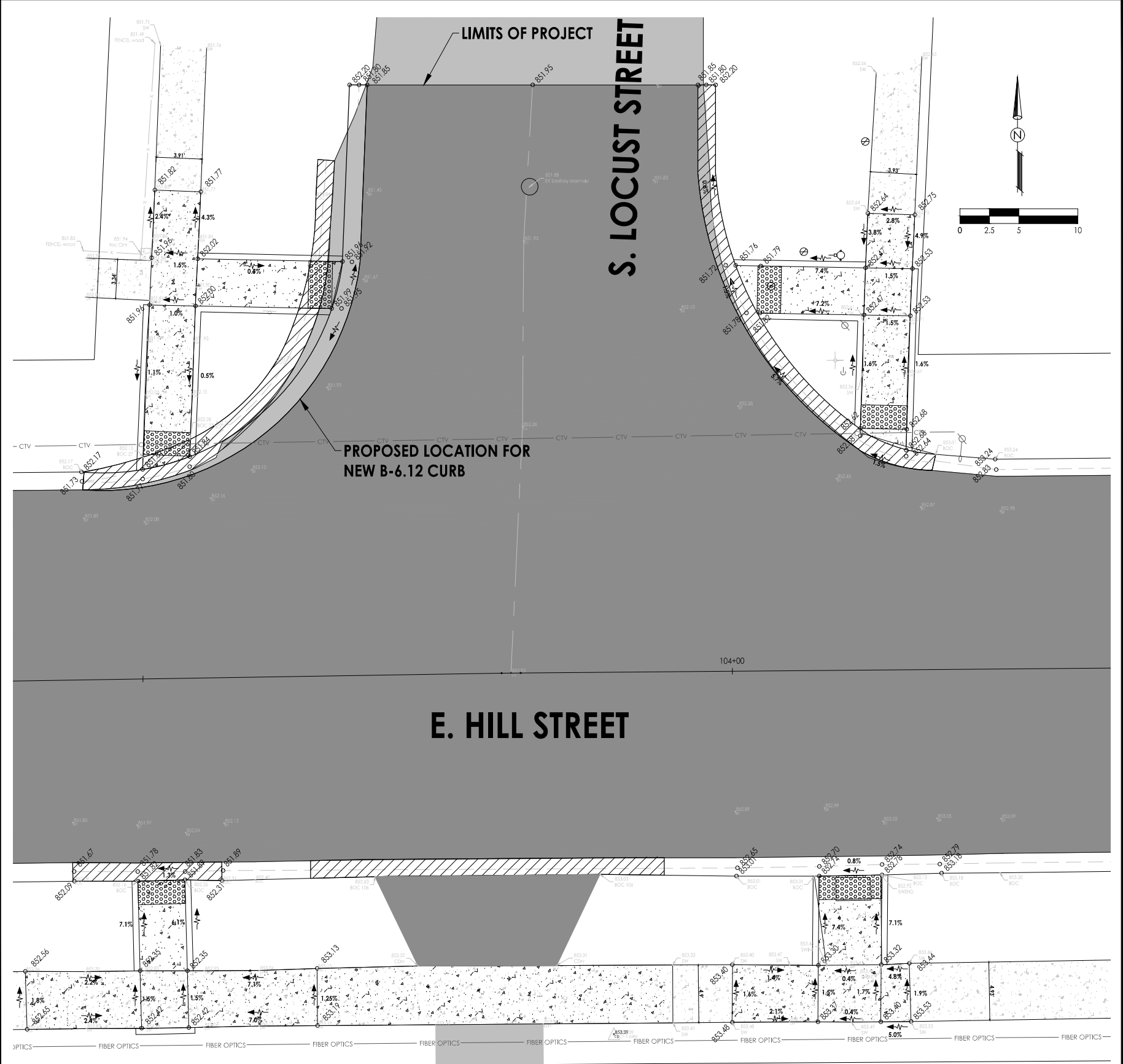


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CHECKED BY: SRK	DRAWN BY: JJS	Sheet 6 of 12
DATE: 11/12/20	DATE: 11/12/20	



LEGEND	
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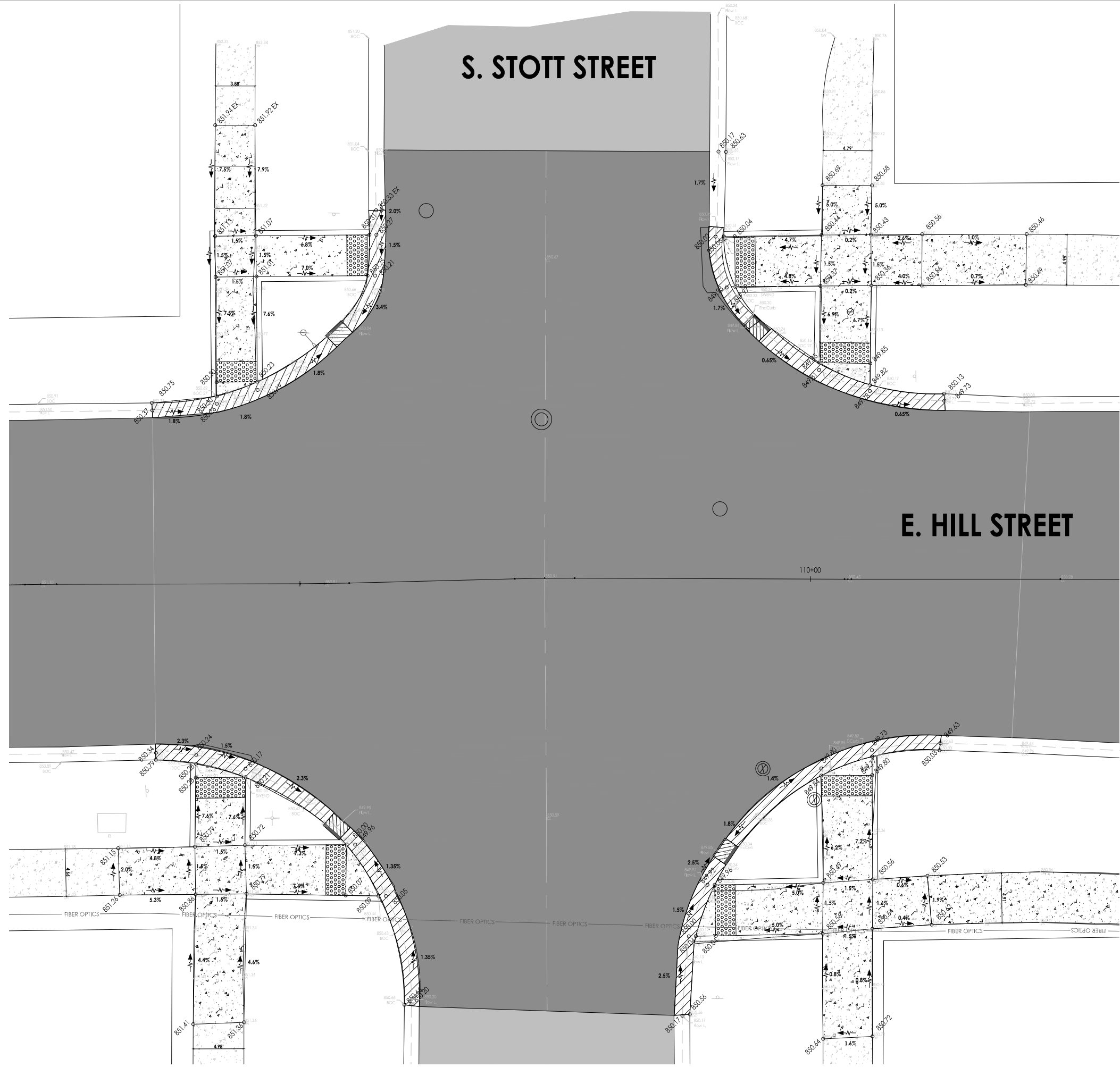
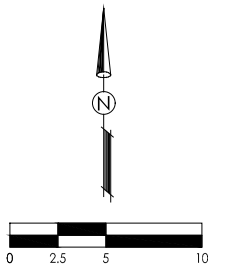


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CHECKED BY: SRK	DRAWN BY: JJS	Sheet 7 of 12
DATE: 11/12/20	DATE: 11/12/20	

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S. STOTT STREET

E. HILL STREET



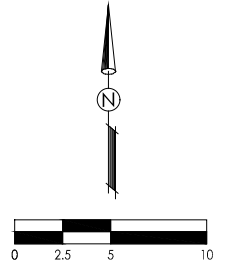
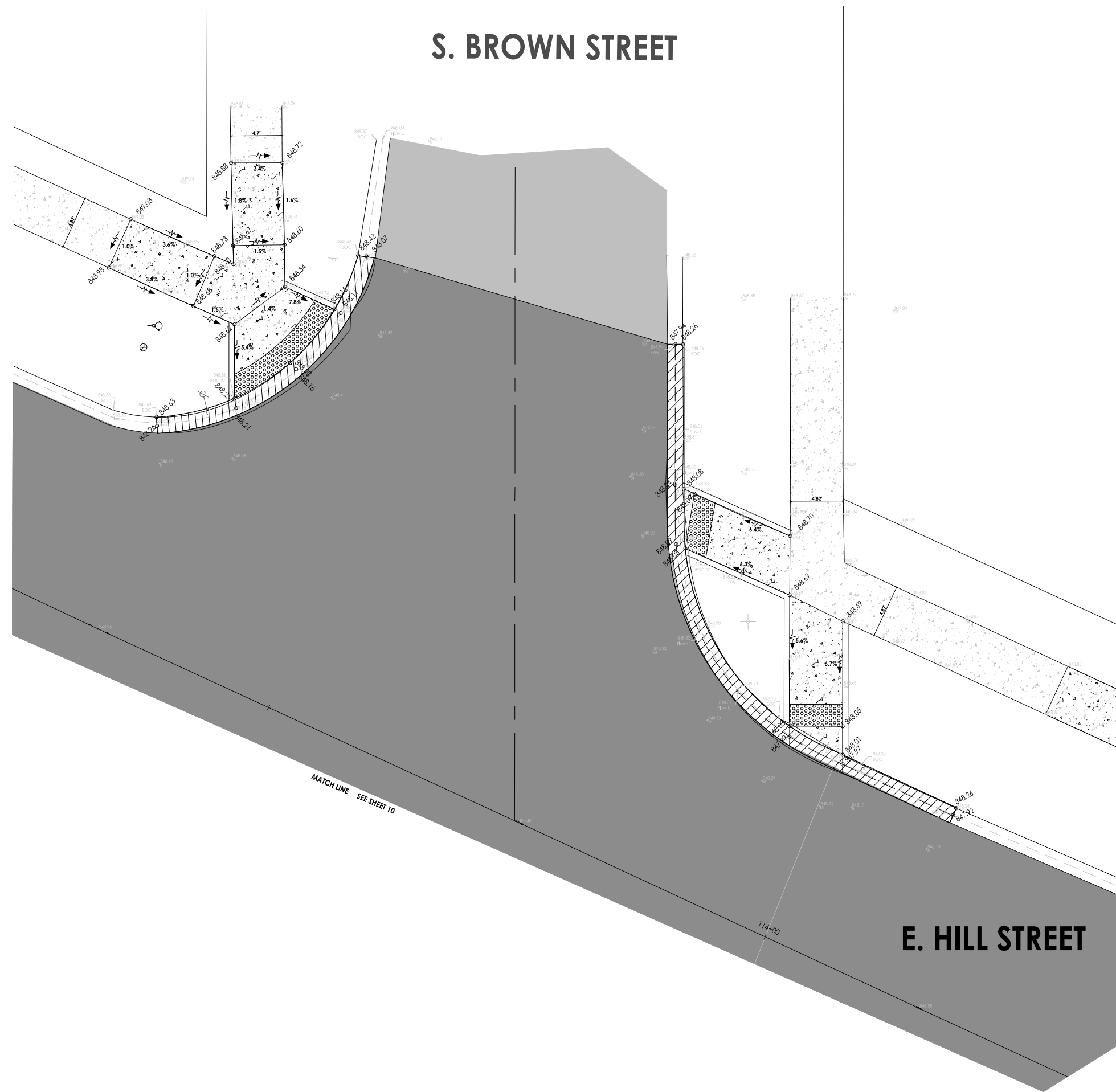
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	EXISTING CONCRETE SIDEWALK
	PROPOSED HMA PAVEMENT
	PROPOSED SIDEWALK
	EXISTING CURB REMOVAL



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CHECKED BY: SRK	DRAWN BY: JJS	Sheet 8 of 12
DATE: 11/12/20	DATE: 11/12/20	

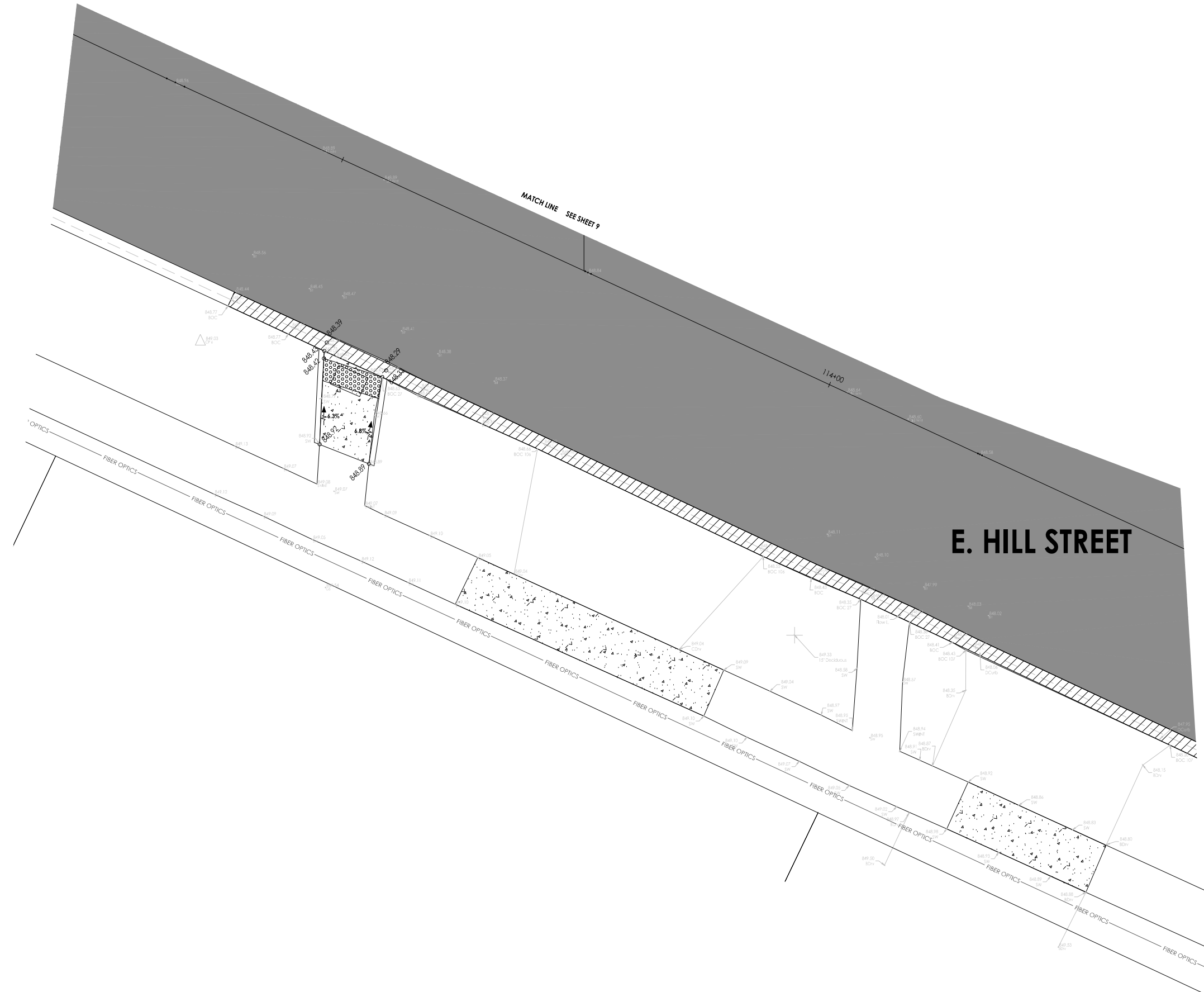
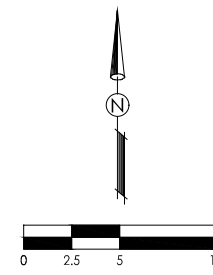
S. BROWN STREET



LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING GRAVEL/SHOULDER
	EXISTING CONCRETE SIDEWALK
	PROPOSED HMA PAVEMENT
	PROPOSED SIDEWALK
	EXISTING CURB REMOVAL

C.E.S. INC.
 CIVIL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
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INTERSECTION DETAIL PLAN EAST HILL STREET IMPROVEMENTS CONTRACT NO.: 87765 SECTION 20-00041-00-RS		
CHECKED BY: SRK	DRAWN BY: JJS	Sheet 9 of 12
DATE: 11/12/20	DATE: 11/12/20	



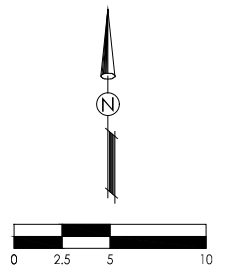
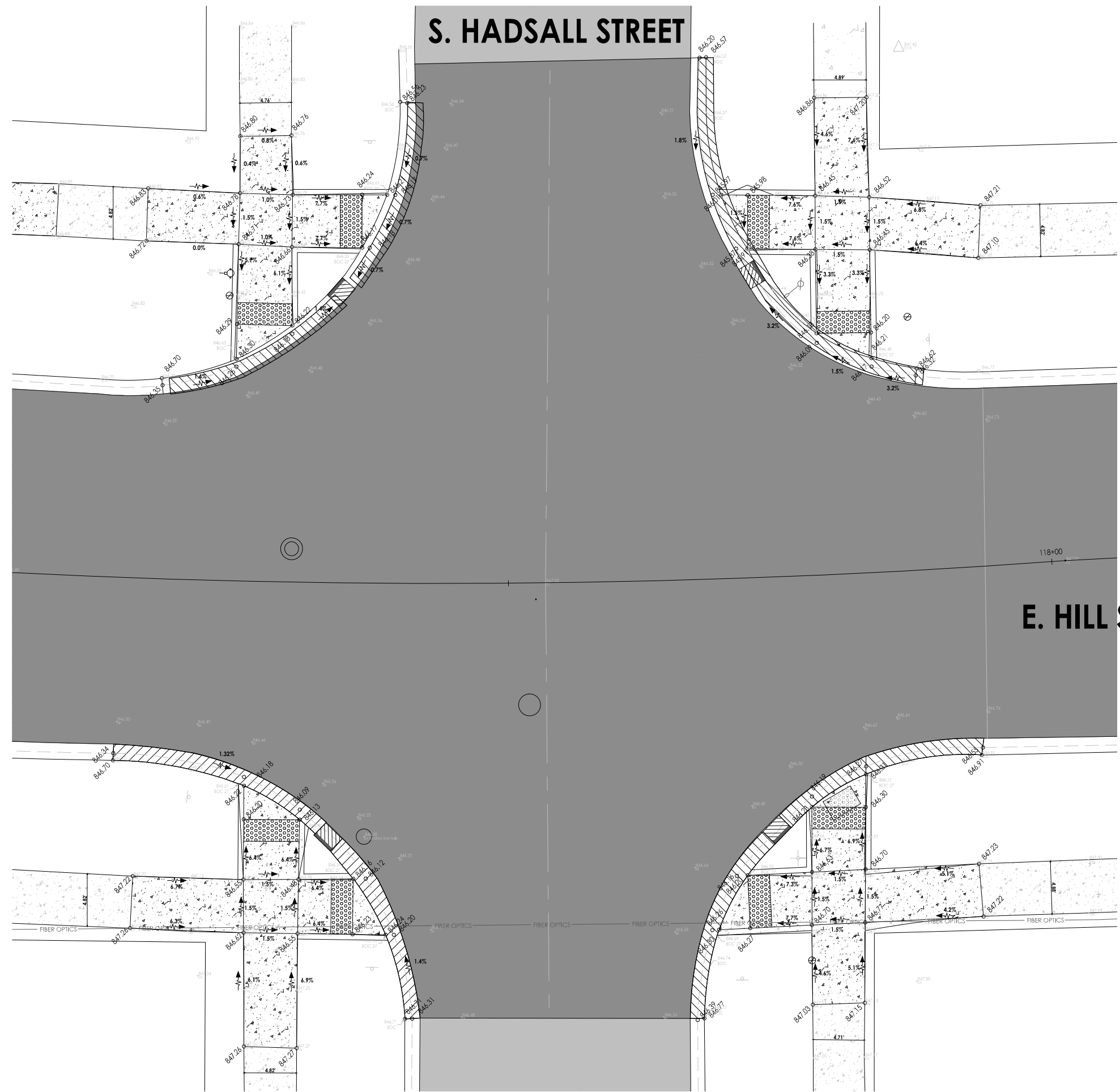
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INTERSECTION DETAIL PLAN EAST HILL STREET IMPROVEMENTS CONTRACT NO.: 87765 SECTION 20-00041-00-RS	
CHECKED BY: SRK DATE: 11/12/20	DRAWN BY: JJS DATE: 11/12/20
Sheet 10 of 12	

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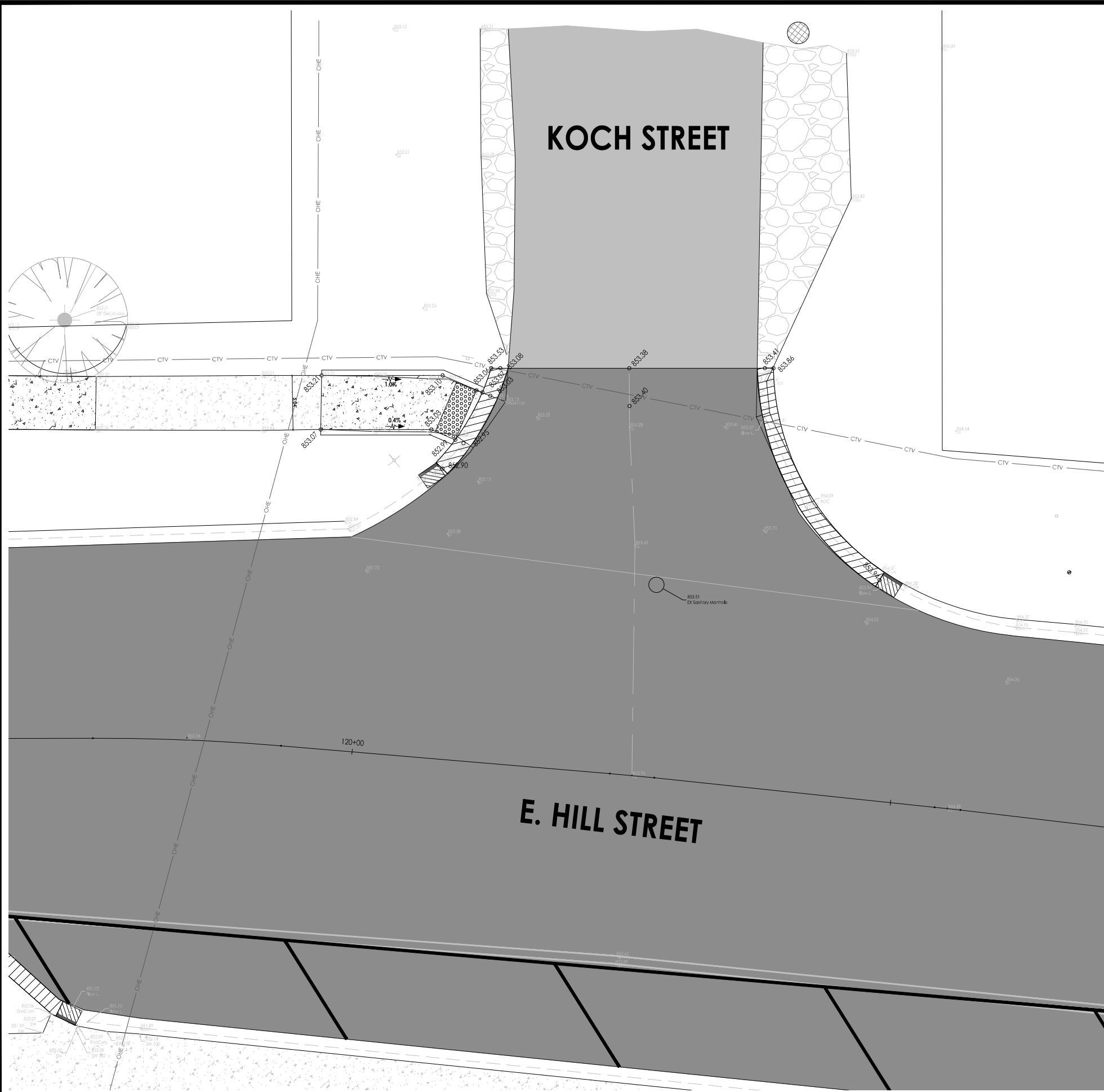
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	PROPOSED HMA PAVEMENT
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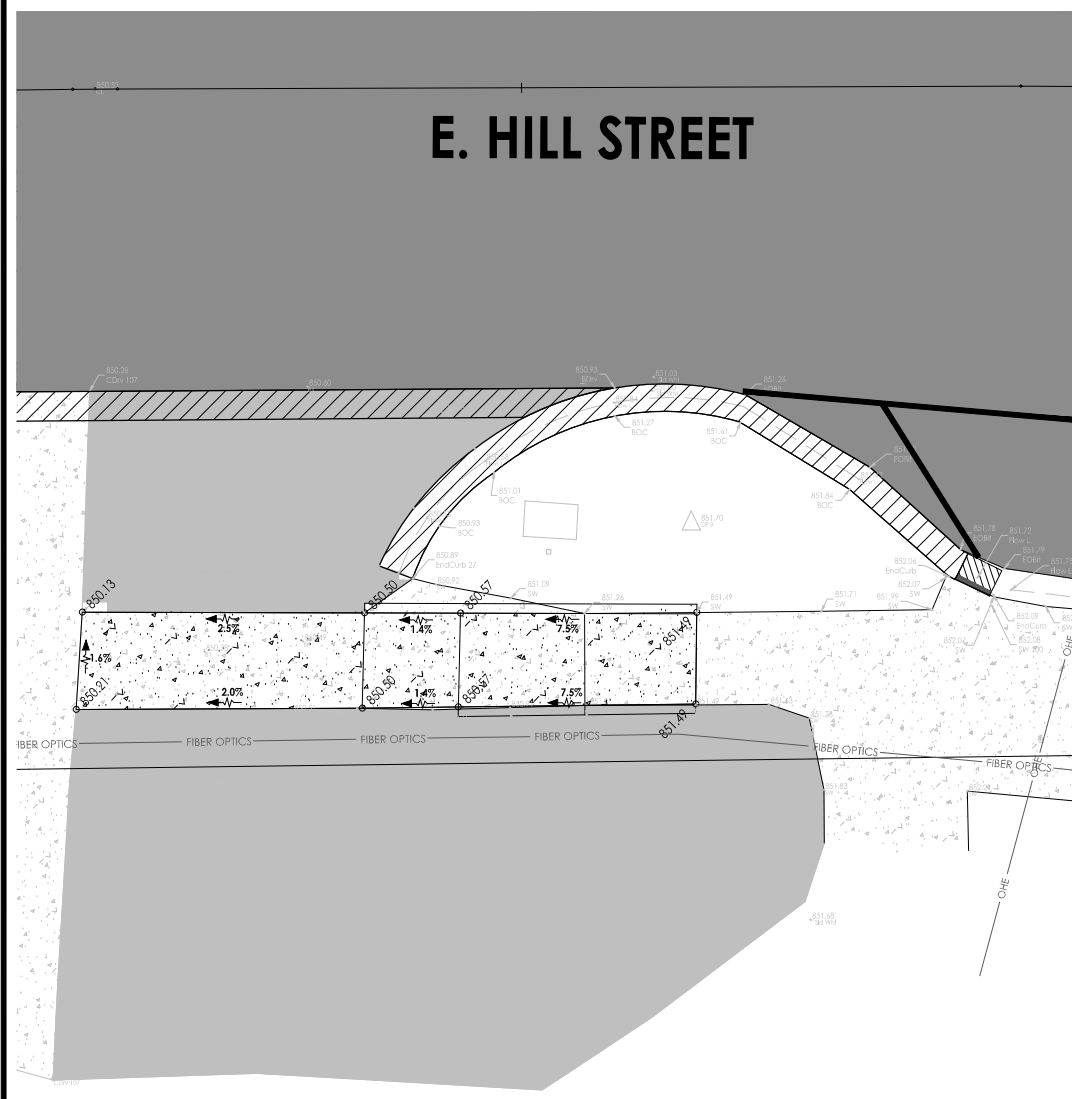
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CHECKED BY: SRK DATE: 11/12/20	DRAWN BY: JJS DATE: 11/12/20
Sheet 11 of 12	

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LEGEND	
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INTERSECTION DETAIL PLAN		
EAST HILL STREET IMPROVEMENTS		
CONTRACT NO.: 87765		
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CHECKED BY: SRK	DRAWN BY: JJS	Sheet 12 of 12
DATE: 11/12/20	DATE: 11/12/20	