

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	1

## SHEET INDEX

SHEET NO.	DESCRIPTION	SHEET TOTALS
1	TITLE SHEET	1
2	SUMMARY OF QUANTITIES	1
3-3A	TYPICAL SECTION	2
4	RIGHT OF WAY DATA SHEET	1
4A	PROPERTY STRIP MAP	1
5	GENERAL NOTES	1
5A	REFERENCE DATA SHEET	1
6-9	PLAN AND PROFILE SHEETS	4
10	DRAINAGE PIPE TABLE	1
TC1	TRAFFIC CONTROL SHEET	1
LL1-LL9	LIGHTING PLAN SHEET	9
LA1-LA4	LANDSCAPING PLANS	4
PM1-PM3	PAVEMENT MARKING SHEETS	3
EC1	EROSION CONTROL DATA SHEET	1
DBA-DBB	DUCT BANK DETAILS	2
DB1-DB3	DUCT BANK PLANS	3
DB-SCH-1	DUCT BANK SCHEMATIC PLANS	3
REL1-REL3	RELOCATION PLANS	3
X1-X4	CROSS SECTIONS	4
XP1-XP2	CROSS PIPE CROSS SECTIONS	2
<b>TOTAL</b>		<b>48</b>

# CITY OF BEAUFORT



## PLAN AND PROFILE OF ALLISON ROAD (S-7-159)

FROM: SPANISH MOSS TRAIL  
TO: RIBAUT ROAD

ALLISON ROAD (S-7-159)  
BEGIN CONSTRUCTION  
STA.11+03.39 COTTAGE FARM DR (L-2858)  
END CONSTRUCTION  
STA.24+17.92 ALLISON RD (S-7-159)

NPDES PERMIT INFORMATION	
Disturbed Area =	0.8 Acre(s)
Project Area =	2.8 Acre(s)
Approximate Location of Roadway is	
Begin	
Latitude	32°24'52"N
Longitude	80°41'34"W
End	
Latitude	32°24'52"N
Longitude	80°41'18"W
Hydraulic and NPDES Design provided by:	
I.C.E.	
Designs may be obtained from the SCDOT Regional Production Group	

THE INITIALS ABOVE DO NOT RELIEVE THE ENGINEER OF RECORD OF THE RESPONSIBILITY TO DESIGN THIS PROJECT IN ACCORDANCE WITH ALL APPLICABLE CRITERIA.

Hydraulic Design Reference for these plans is the:

2009

Edition of SCDOT's "Requirements for Hydraulic Design Studies"

Design Reference for these plans is the:

3R

These Plans Were Designed Using "3R" Principles From the 2017 Roadway Design Manual

### ENVIRONMENTAL PERMIT INFORMATION

USACE PERMIT	___YES	<u>X</u> _NO
NEPA DOCUMENT	___YES	<u>X</u> _NO
401 CERTIFICATION	___YES	<u>X</u> _NO
OCRM CAP	___YES	<u>X</u> _NO
NAVIGABLE WATERS	___SC ___USCG	___USACE <u>X</u> _N/A

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

CALL 811

SOUTH CAROLINA 811 (SC811)  
WWW.SC811.COM  
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

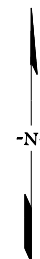
RAILROAD INVOLVEMENT?  
YES (NO)

### TRAFFIC DATA

2021 ADT 1971

2041 ADT 2427

TRUCKS EST. 1%



LAYOUT  
N.T.S.

BEAUFORT COUNTY

	ALLISON ROAD	TOTAL (MILES)
NET LENGTH OF ROADWAY	0.25	0.25
NET LENGTH OF BRIDGES	-	-
NET LENGTH OF PROJECT	0.25	0.25
LENGTH OF EXCEPTIONS	-	-
GROSS LENGTH OF PROJECT	0.25	0.25

EQUALITIES IN STATIONING:  
NONE

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL TO CONFORM WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

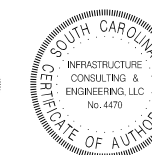
**INFRASTRUCTURE**  
CONSULTING & ENGINEERING

### For Right Of Way Acquisition:

\_\_\_\_\_  
Date  
Consultant Engineer of Record

\_\_\_\_\_  
Date  
Regional Production Engineer

### ENGINEER OF RECORD



FOR CONSTRUCTION : \_\_\_\_\_  
DATE

# SUMMARY OF ESTIMATED QUANTITIES

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
1031000	MOBILIZATION	1	LS
1032010	BONDS AND INSURANCE	1	LS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1	EA
1052110	LARGE PUBLIC WATER RELOCATION NO. (001)	1	EA
1071000	TRAFFIC CONTROL	1	LS
1090200	AS-BUILT CONSTRUCTION PLANS	1	LS
2011000	CLEARING & GRUBBING WITHIN RIGHT OF WAY	1	LS
2021010	REMOVAL & DISPOSAL OF EXISTING DROP INLET	1	EA
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	285	SY
2024100	REMOVAL & DISPOSAL OF EXISTING CURB	16	LF
2027000	REMOVAL & DISPOSAL OF EXISTING CONCRETE	5	CY
2031000	UNCLASSIFIED EXCAVATION	5	CY
2033000	BORROW EXCAVATION	241	CY
2081001	FINE GRADING	989	SY
2103000	FLOWABLE FILL	120	CY
3069900	MAINTENANCE STONE	97	TON
4011004	LIQUID ASPHALT BINDER PG64-22	23	TON
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	1,267	SY
4030340	HOT MIX ASPHALT SURFACE COURSE TYPE C	361	TON
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	418	SF
6021125	PERMANENT CONSTRUCTION SIGNS (BARRICADE MOUNTED)	70	SF
6021130	DETOUR SIGNS	299	SF
6041200	BARRICADE - TYPE 3	84	LF
608100B	TYPE B - FLASHING LIGHT	16	EA
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)-FAST DRY PAINT	49	LF
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES)-FAST DRY PAINT	36	LF
6250015	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	294	LF
6250025	24" WHITE SOLID LINES (STOP/DIAGONAL LINES)-FAST DRY PAINT	128	LF
6250030	WHITE SINGLE ARROW (LEFT, STRAIGHT, RIGHT)-FAST DRY PAINT	1	EA
6250040	WHITE COMBINATION ARROW(STR.& RT.OR STR.& LT.)FAST DRY PAINT	1	EA
6250110	4"YELLOW SOLID LINE(PVT.EDGE&NO PASSING ZONE)-FAST DRY PAINT	2,059	LF
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	49	LF
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	36	LF
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	294	LF
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES)-THERMO.-125 MIL.	128	LF
6271030	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO.-125 MIL.	1	EA
6271040	WHITE COMBINATION ARROWS(STR&RT.OR STR&LT)THERMO-125MIL	1	EA
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	2,059	LF
6301100	PERMANENT YELLOWPAVEMENT MARKERS BI-DIR. -4"x4"	13	EA
6510105	FLAT SHEET,TYPE III,FIXED SIZE	43	SF
6531210	U-SECTION POST FOR SIGN SUPPORTS - 3P	84	LF
6650900	FURNISH & INSTALL ELECTRICAL SERVICE CONNECTIONS	1	EA
6651091	SINGLE DECORATIVE LIGHT POLE WITH SINGLE LIGHT	14	EA
6750213	2.0" SCHEDULE 40 PVC CONDUIT	5,537	LF
6750224	4.0" SCHEDULE 40 PVC CONDUIT	842	LF

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
675027Y	FURNISH & INSTALL 4.0" SCHD 80 PVC CONDUIT(DIRECTION BORED)	100	LF
6760020	2" SCHEDULE 80 HDPE CONDUIT	1435	LF
6770319	NO. 8 COPPER WIRE, 1 CONDUCTOR, 600V, TYPE RHH,RHW,USE	6005	LF
6770413	FURNISH & INSTL NO. 14 COPPER WIRE,1-CONDUCTOR FOR LOOP WIRE	204	LF
6780495	SAWCUT FOR LOOP DETECTOR	204	LF
6800530	17"x30"x28"D.ELEC.FLUSH UNDGRD.ENCLOSURE-(STR.POLY.CONC.)HD	2	EA
6885993	TEMPORARY ADJUSTMENT OF TRAFFIC SIGNAL EQUIPMENT	1	EA
6888110	INSTALL STREET LIGHT LUMINAIRE	14	EA
7143618	18" SMOOTH WALL PIPE	176	LF
7143642	42" SMOOTH WALL PIPE	12	LF
7143648	48" SMOOTH WALL PIPE	576	LF
7192021	DROP INLET (24" X 36") WITH STANDARD 4' X 4' BOX	8	EA
7192108	MANHOLE WITH STANDARD 5' X 5' BOX	1	EA
7196000	EXTRA DEPTH OF BOX	41	LF
7204100	CONCRETE SIDEWALK (4" UNIFORM)	984.6362778	SY
7204900	DETECTABLE WARNING MATERIAL	25	SF
7209000	PEDESTRIAN RAMP CONSTRUCTION	15.06353333	SY
8041020	RIP-RAP (CLASS B)	63	TON
8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	84	SY
8091010	RIGHT OF WAY MARKER (REBAR AND CAP)	2	EA
8091050	RIGHT OF WAY PLAT	1.000	LS
8100100	PERMANENT COVER	0.672	ACRE
8100200	TEMPORARY COVER	0.33615	ACRE
8101105	COMPOST	181	CY
8104005	FERTILIZER (NITROGEN)	67	LB
8104010	FERTILIZER (PHOSPHORIC ACID)	67	LB
8104015	FERTILIZER (POTASH)	67	LB
8105005	AGRICULTURAL GRANULAR LIME	1344.6	LB
8109050	SELECTIVE WATERING	54300.000	GAL
8109901	MOWING	2.0169	ACRE
8110001	LANDSCAPING	1	LS
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	208	LF
8152006	INLET STRUCTURE FILTER- TYPE F (NON-WEIGHTED)	208	LF
8153000	SILT FENCE	2503	LF
8153090	REPLACE/REPAIR SILT FENCE	250	LF
8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	625.7175	LF
8156200	CLEANING INLET STRUCTURE FILTERS	16	EA
8156490	STABILIZED CONSTRUCTION ENTRANCE	550	SY
	ELECTRICAL SERVICE CONVERSIONS (OVERHEAD TO UNDERGROUND)	18	EA



Digitally signed by James Hinson  
Date: 2023.10.12 16:24:09-04'00'

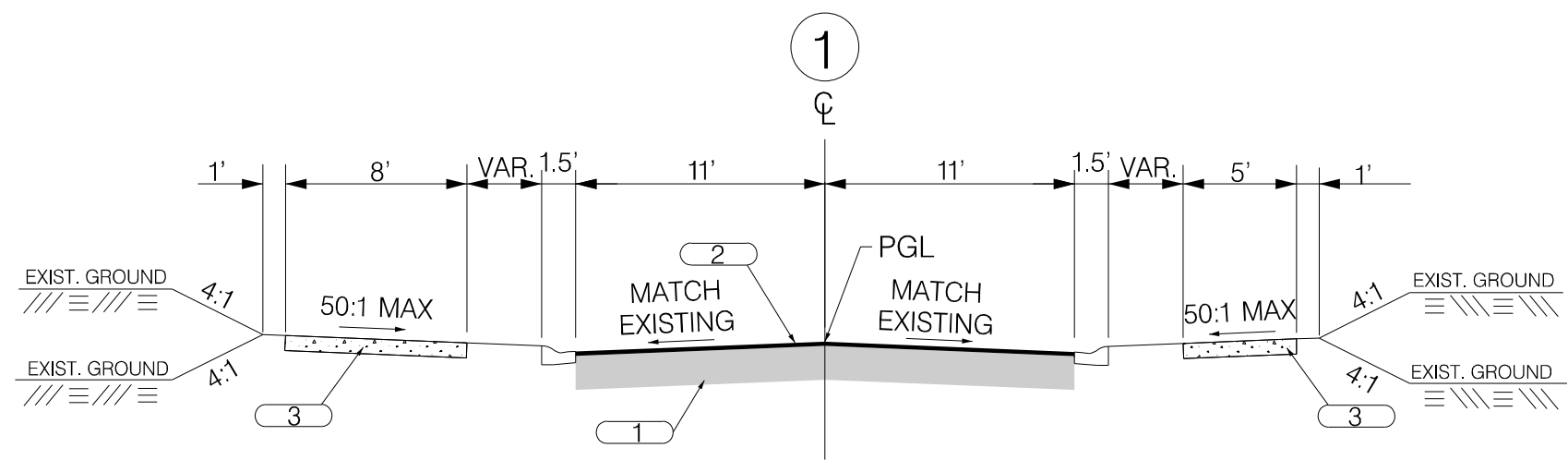
4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY  
CITY OF BEAUFORT

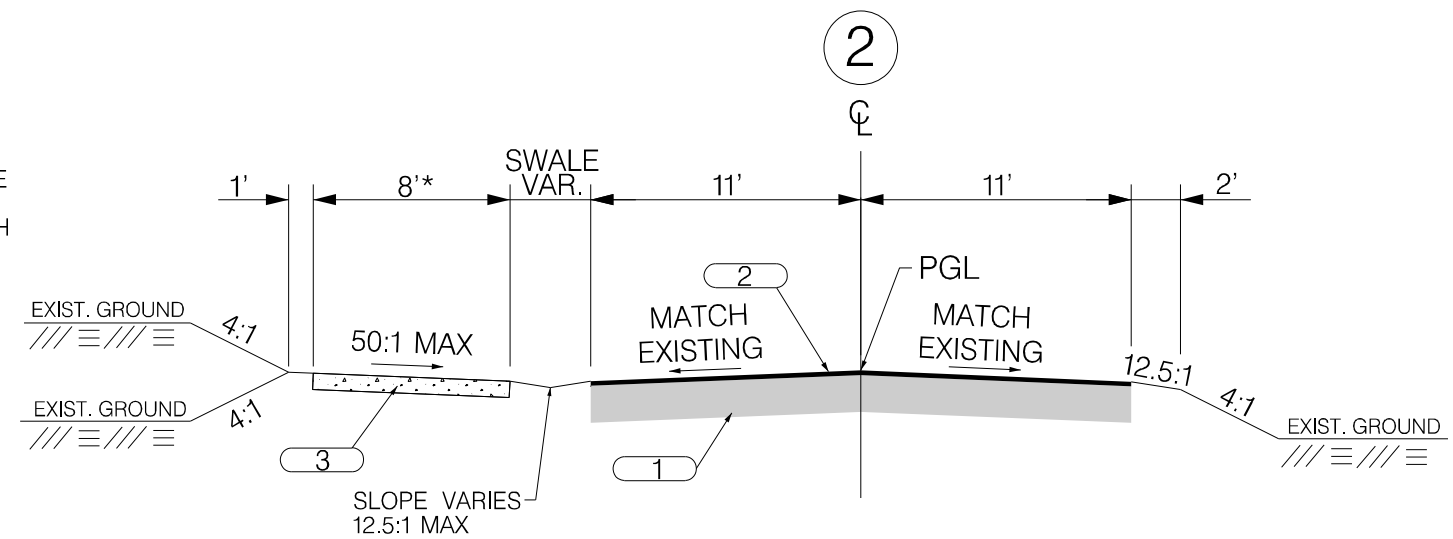
ALLISON ROAD (S-7-159)  
SUMMARY OF ESTIMATED QUANTITIES

SHEET 2 SCALE: NTS

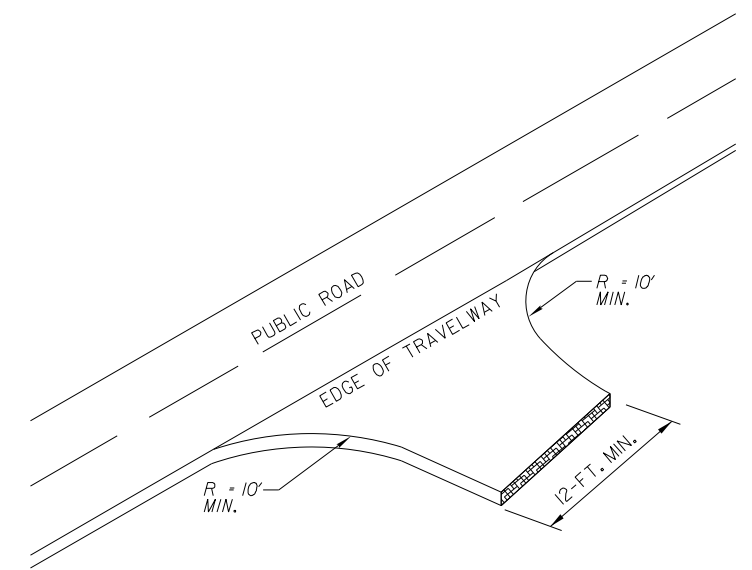
# TYPICAL SECTION



USE THIS SECTION ON  
COTTAGE FARM DRIVE (L-2858)  
STA. 11+03.39 TO STA. 12+86.00



USE THIS SECTION ON  
ALLISON ROAD (S-7-159)  
STA. 12+86.00 TO STA. 15+82.00  
STA. 18+26.00 TO STA. 22+21.10



ALL DRIVEWAY RADII WILL BE 10' MINIMUM AND ALL DRIVEWAY WIDTHS WILL BE 12' MINIMUM UNLESS OTHERWISE NOTED ON PLANS.  
FOR DRIVEWAYS, USE 400 PSY OF SURFACE COURSE TYPE C ON TOP OF 25 TONS OF MAINTENANCE STONE PER 100 SY.

## DRIVEWAY DETAIL

SCALE: N.T.S.

### NOTES:

MILL AND OVERLAY REMAINDER OF ROADWAY IN CURB & GUTTER SECTIONS. SEE PLAN SHEETS FOR FURTHER DETAIL.

CURB RAMPS AND DETECTABLE WARNING SURFACES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS. SEE PLANS FOR LOCATIONS OF SIDEWALK CURB RAMPS AND DETECTABLE WARNING SURFACES.

SIDEWALK IS TO BE PLACED 0.5' WITHIN EXISTING RIGHT OF WAY.

LOCATIONS WHERE THE CROSSLINE PIPES HAVE BEEN PLACED AND PAVEMENT STRUCTURE HAS BEEN REMOVED WILL NEED TO BE REPAIRED DUE TO THE EXCAVATION OF TRENCH AS PER SCDOT STANDARD DRAWING 714-105-00 AND PERFORM 6" FULL DEPTH PAVEMENT PATCHING ALONG WITH 150 PSY OF SURFACE TYPE C OVERLAY. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

\*CONSTRUCT 5' SIDEWALK FROM STA. 20+05.21 TO STA. 22+19.93.

1	EXISTING PAVEMENT - RETAIN
2	HOT MIX ASPHALT CONCRETE SURFACE COURSE TYPE C (150 PSY)
3	CONCRETE SIDEWALK (4" UNIFORM)

RTE. S-7-159 DESIGN SPEED		
MPH	FROM STA.	TO STA.
30	10+97.48	24+17.92
EXCEPTIONS TO DESIGN SPEED		
FUNCTIONAL CLASSIFICATION		
URBAN COLLECTOR		



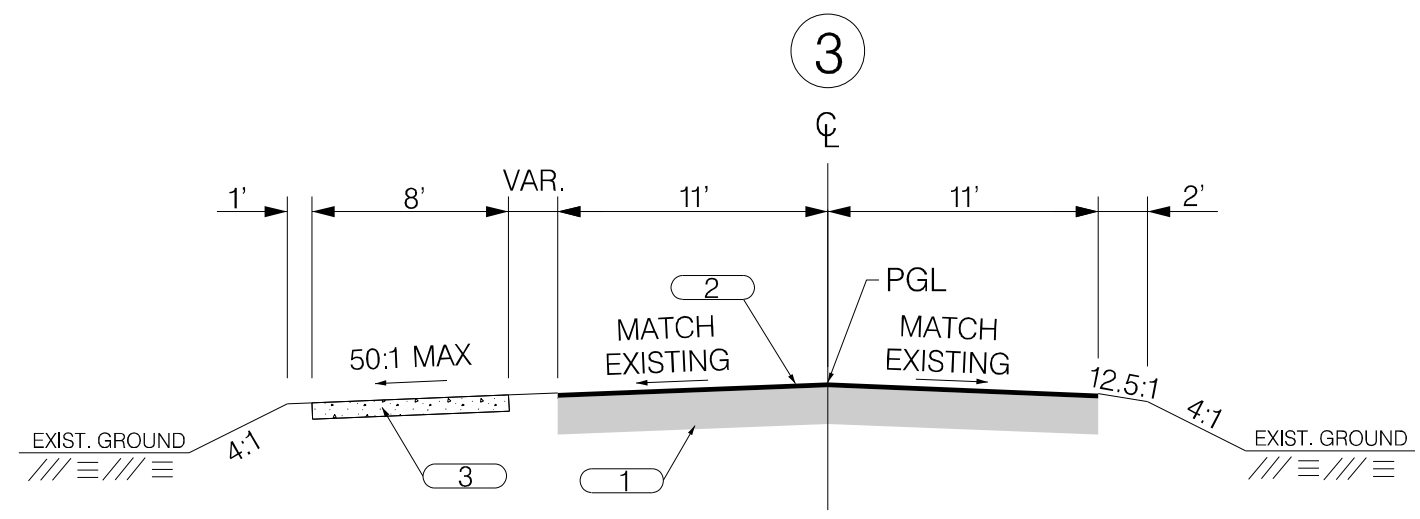
South Carolina Professional Engineer  
No. 32916  
James C. Hinson  
Infrastructure Consulting & Engineering, LLC  
No. 4410  
Digitally signed by James Hinson  
Date: 2023.10.12 16:24:11-04'00'

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY CITY OF BEAUFORT	
ALLISON ROAD (S-7-159) TYPICAL SECTION SHEET	
SHEET 3	SCALE: NTS

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	3A

# TYPICAL SECTION



USE THIS SECTION ON  
 ALLISON ROAD (S-7-159)  
 STA. 15+82.00 TO STA. 18+26.00

**NOTES:**

MILL AND OVERLAY REMAINDER OF ROADWAY IN CURB & GUTTER SECTIONS. SEE PLAN SHEETS FOR FURTHER DETAIL.

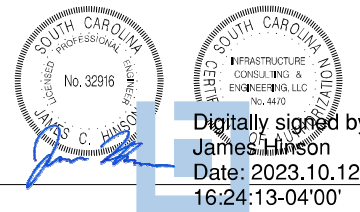
CURB RAMPS AND DETECTABLE WARNING SURFACES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS. SEE PLANS FOR LOCATIONS OF SIDEWALK CURB RAMPS AND DETECTABLE WARNING SURFACES.

SIDEWALK IS TO BE PLACED 0.5' WITHIN EXISTING RIGHT OF WAY.

LOCATIONS WHERE THE CROSSLINE PIPES HAVE BEEN PLACED AND PAVEMENT STRUCTURE HAS BEEN REMOVED WILL NEED TO BE REPAIRED DUE TO THE EXCAVATION OF TRENCH AS PER SCDOT STANDARD DRAWING 714-105-00 AND PERFORM 6" FULL DEPTH PAVEMENT PATCHING ALONG WITH 150 PSY OF SURFACE TYPE C OVERLAY. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

1		EXISTING PAVEMENT - RETAIN
2		HOT MIX ASPHALT CONCRETE SURFACE COURSE TYPE C (150 PSY)
3		CONCRETE SIDEWALK (4" UNIFORM)

RTE. S-7-159 DESIGN SPEED		
MPH	FROM STA.	TO STA.
30	10+97.48	24+17.92
EXCEPTIONS TO DESIGN SPEED		
FUNCTIONAL CLASSIFICATION		
URBAN COLLECTOR		



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY CITY OF BEAUFORT	
ALLISON ROAD (S-7-159) TYPICAL SECTION SHEET	
SHEET 3A	SCALE: NTS

# RIGHT OF WAY DATA SHEET

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	4

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES <sup>A</sup>	REMAINDER RIGHT ACRES <sup>A</sup>	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
4	LITTLE CAPERS PROPERTIES LLC	R120-005-000-0186	0.6										YES		YES	YES	
5	MARY ELIZABETH DOBYNS COATES	R120-005-000-0184											YES		YES	YES	
6	TANGER R. CRASE	R120-005-000-0183	0.49										YES		YES	YES	
7	PETER R. SMITH	R120 005 000 0182	0.57										YES		YES	YES	
8	OLIVER S. SPENCER	R120-005-000-180A	0.58										YES		YES	YES	
9	GANELLE R. POLK HECK	R120-005-000-0180	0.93									YES	YES		YES	YES	11,548 SF / 0.265 AC DRAINAGE EASEMENT
10	DAVID STILWELL & BRITTANY STILWELL	R120 005 000 178B											YES		YES	YES	
11	TIMOTHY E. & KAREN L. KEANE	R120-005-000-178A	0.35										YES		YES	YES	
12	ENID STEEDLY BATES TRUSTEE (ENID STEEDLY BATES REVOCABLE TRUST)	R120-005-000-0177											YES		YES	YES	
13	BEAUFORT COUNTY MEMORIAL HOSPT	R120-005-000-0175	4.76										YES			YES	
16	CESSNA HOLDINGS LLC	R120-005-000-0376															
17	DONALD J & CHERYL RICHARDSON	R120-005-000-0279															
18	PATRICIA MATHERS	R120-005-000-269A	0.47			75 SF (0.002 AC)	75 SF (0.002 AC)		0.468				YES		YES		TRACT ACERAGE MEASURED IN CAD
19	DAVID E. & MERRILY C. SUMERA	R120-005-000-0269														YES	
20	CHUCK A. MCLEOD	R120-005-000-269B														YES	
21	SWL PROPERTIES LLC	R120-005-000-0268														YES	
22	GERALD D. & CATHY L. BROWN	R120-005-000-0266														YES	
23	1026 RIBAUT RD LLC	R120-005-000-0236	7.76										YES	YES	YES	YES	
24	SUE MONTA SAILORS	R120-005-000-0234														YES	
25	H. FRED KUHN SR. & EMMA JEAN KUHN	R120-005-000-0233														YES	
26	BEAUFORT MEMORIAL HOSPITAL	R120-005-000-0232	1.42													YES	

**NOTES:**  
 TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES. OBTAINS WILL BE SHOWN IN SQUARE FEET AND ACRES. ACRES WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEET. IN RURAL AREAS OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.  
  
 SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

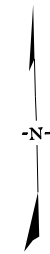


Digitally signed by James Hinson  
 Date: 2023.10.12 16:24:15-04'00'

4									
3									
2									
1									
REV. NO.	BY	DATE	DESCRIPTION OF REVISION						
DESIGNED BY:		DATE							
DRAWN BY:		DATE							
CHECKED BY:		DATE							

BEAUFORT COUNTY  
 CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
 RIGHT OF WAY DATA SHEET



**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



Digitally signed by  
James Hinson  
Date: 2023.10.12  
16:24:18-04'00'

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
PROPERTY STRIP MAP

SHEET 4A SCALE: 1" = 50'

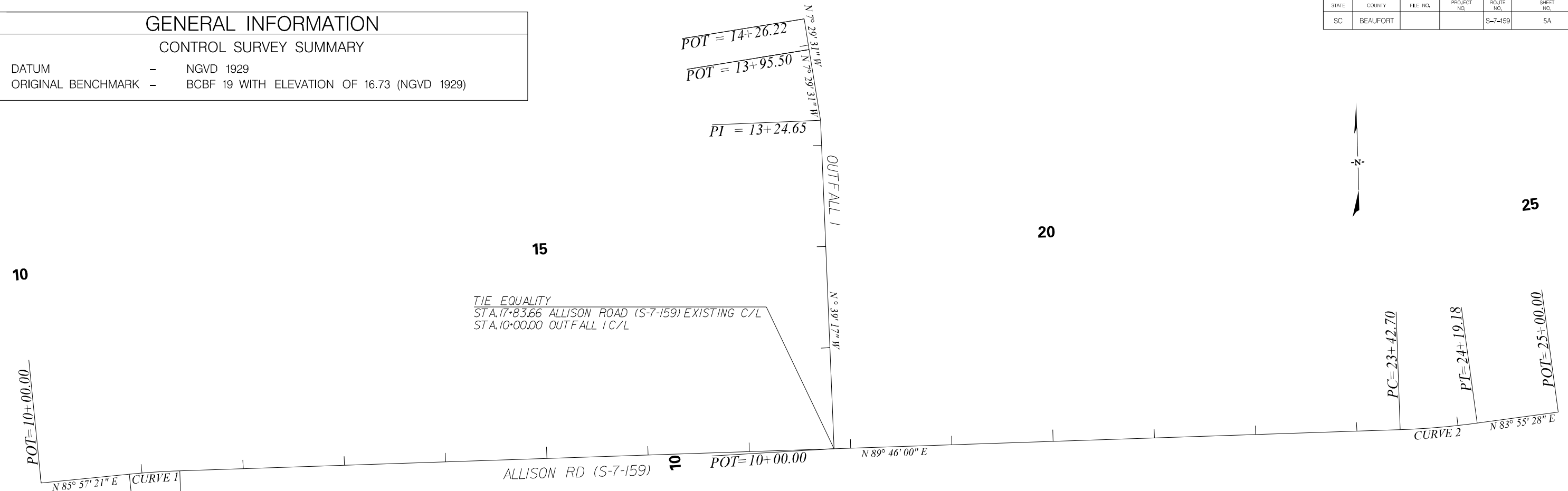


STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	5A

# GENERAL INFORMATION

## CONTROL SURVEY SUMMARY

DATUM - NGVD 1929  
 ORIGINAL BENCHMARK - BCBF 19 WITH ELEVATION OF 16.73 (NGVD 1929)



1 DESCRIBE CHAIN ALLISONRD EX1  
 Chain ALLISONRD EX1 contains:  
 1002 CUR ALLISONRD EX1-1 CUR ALLISONRD EX1-2 1003  
 Beginning chain ALLISONRD EX1 description

Point 1002 N 211,612.1020 E 2,094,704.0366 Sta 10+00.00  
 Course from 1002 to PC ALLISONRD EX1-1 N 85° 57' 21.32" E Dist 87.5328

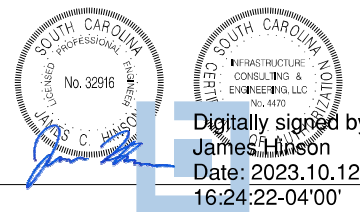
**Curve Data**  
 \*-----\*  
 Curve ALLISONRD EX1-1  
 P.I. Station 11+12.48 N 211,620.0348 E 2,094,816.2398  
 Delta = 3° 48' 38.65" (RT)  
 Degree = 7° 38' 21.97"  
 Tangent = 24.9504  
 Length = 49.8824  
 Radius = 750.0000  
 Design Speed = Match Existing  
 eMAX = Match Existing  
 P.C. - LG% = Match Existing  
 P.T. - LG% = Match Existing  
 External = 0.4149  
 Long Chord = 49.8732  
 Mid. Ord. = 0.4147  
 P.C. Station 10+87.53 N 211,618.2752 E 2,094,791.3515  
 P.T. Station 11+37.42 N 211,620.1364 E 2,094,841.1900

C.C. = N 210,870.1426 E 2,094,844.2444  
 Back = N 85° 57' 21.32" E  
 Ahead = N 89° 45' 59.97" E  
 Chord Bear = N 87° 51' 40.65" E  
 Course from PT ALLISONRD\_EX1-1 to PC ALLISONRD\_EX1-2 N 89° 45' 59.97" E Dist 1,205.2896

**Curve Data**  
 \*-----\*  
 Curve ALLISONRD EX1-2  
 P.I. Station 23+80.98 N 211,625.2009 E 2,096,084.7399  
 Delta = 5° 50' 32.15" (LT)  
 Degree = 7° 38' 21.97"  
 Tangent = 38.2707  
 Length = 76.4750  
 Radius = 750.0000  
 Design Speed = Match Existing  
 eMAX = Match Existing  
 P.C. - LG% = Match Existing  
 P.T. - LG% = Match Existing  
 External = 0.9758  
 Long Chord = 76.4419  
 Mid. Ord. = 0.9745  
 P.C. Station 23+42.70 N 211,625.0450 E 2,096,046.4695  
 P.T. Station 24+19.18 N 211,629.2514 E 2,096,122.7956  
 C.C. = N 212,375.0388 E 2,096,043.4151  
 Back = N 89° 45' 59.97" E  
 Ahead = N 83° 55' 27.82" E  
 Chord Bear = N 86° 50' 43.90" E

Course from PT ALLISONRD\_EX1-2 to 1003 N 83° 55' 27.82" E Dist 80.8200  
 Point 1003 N 211,637.8055 E 2,096,203.1617 Sta 25+00.00  
 Ending chain ALLISONRD\_EX1 description

**Beginning chain OUTFALL 1 description**  
 Point 3000 N 211,622.7682 E 2,095,487.4296 Sta 10+00.00  
 Course from 3000 to 3001 N 0° 39' 17.05" W Dist 324.6503  
 Point 3001 N 211,947.3973 E 2,095,483.7198 Sta 13+24.65  
 Course from 3001 to 3002 N 7° 29' 31.01" W Dist 70.8520  
 Point 3002 N 212,017.6445 E 2,095,474.4816 Sta 13+95.50  
 Course from 3002 to 3003 N 7° 29' 31.01" W Dist 30.7214  
 Point 3003 N 212,048.1037 E 2,095,470.4759 Sta 14+26.22  
 Ending chain OUTFALL 1 description

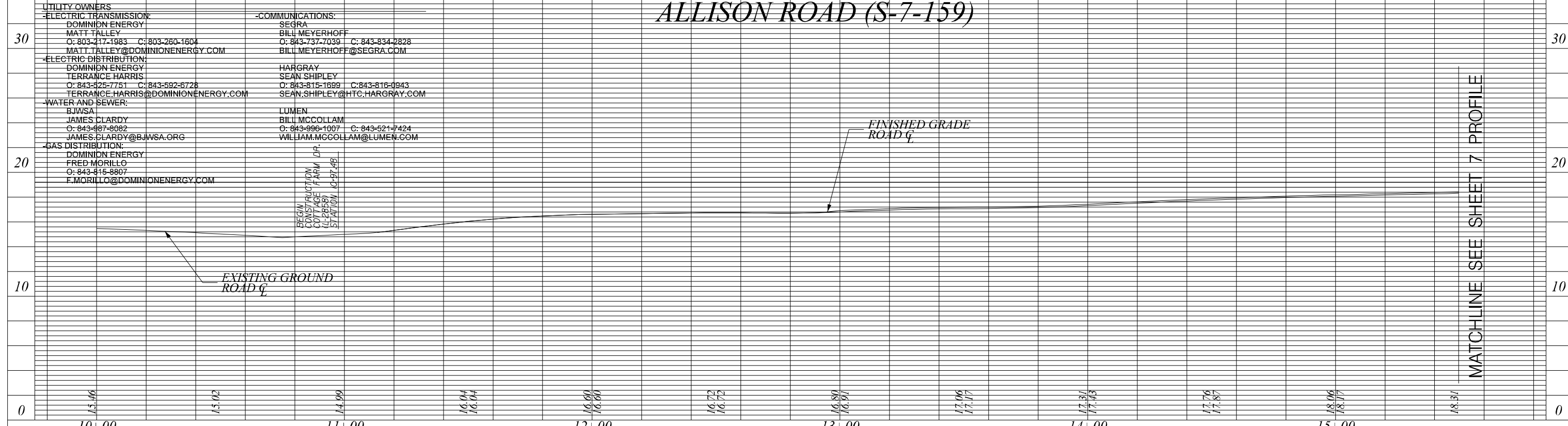
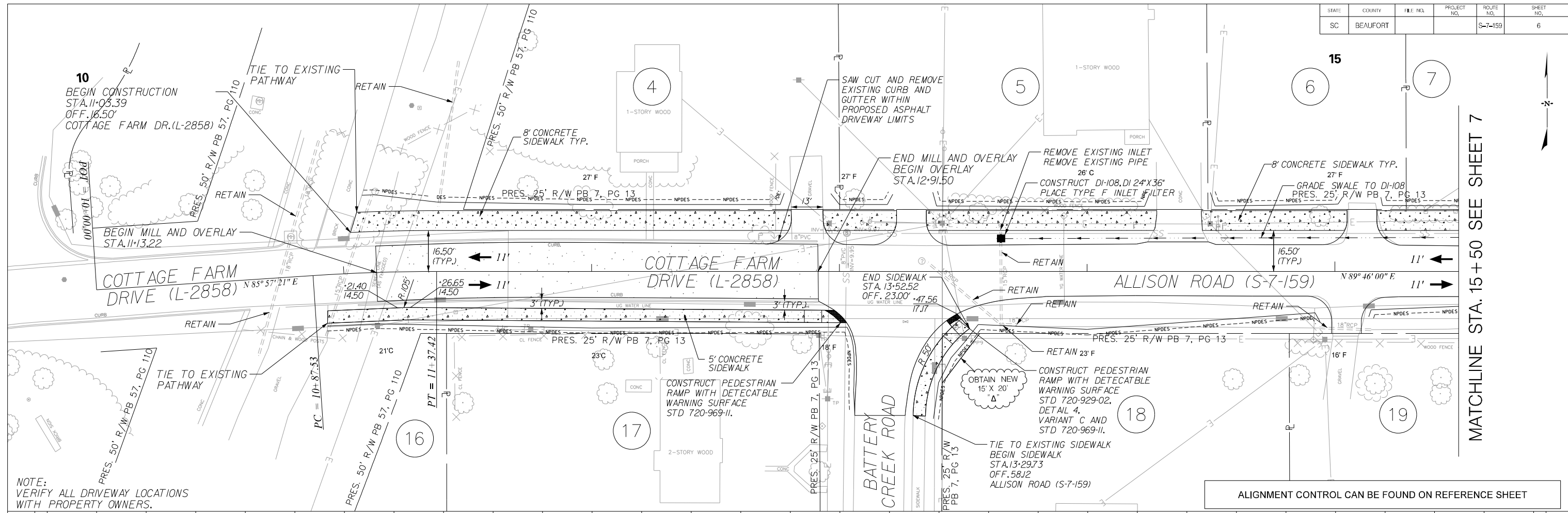


Digitally signed by James Hinson  
 Date: 2023.10.12 16:24:22-04'00'

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
 CITY OF BEAUFORT  
 ALLISON ROAD (S-7-159)  
 REFERENCE DATA SHEET  
 SHEET 5A SCALE: 1" = 50'





UTILITY OWNERS	COMMUNICATIONS:
<b>ELECTRIC TRANSMISSION:</b> DOMINION ENERGY MATT TALLEY O: 803-217-1983 C: 803-260-1604 MATT.TALLEY@DOMINIONENERGY.COM	SEGRA BILL MEYERHOFF O: 843-737-7039 C: 843-834-2828 BILL.MEYERHOFF@SEGRA.COM
<b>ELECTRIC DISTRIBUTION:</b> DOMINION ENERGY TERRANCE HARRIS O: 843-525-7751 C: 843-592-6728 TERRANCE.HARRIS@DOMINIONENERGY.COM	HARGRAY SEAN SHIPLEY O: 843-815-1699 C: 843-816-0943 SEAN.SHIPLEY@HTC.HARGRAY.COM
<b>WATER AND SEWER:</b> BJWSA JAMES CLARDY O: 843-987-8082 JAMES.CLARDY@BJWSA.ORG	LUMEN BILL MCCOLLAM O: 843-990-1007 C: 843-521-7424 WILLIAM.MCCOLLAM@LUMEN.COM
<b>GAS DISTRIBUTION:</b> DOMINION ENERGY FRED MORILLO O: 843-815-8807 F.MORILLO@DOMINIONENERGY.COM	

STATION	ELEVATION
10+00	13.46
10+50	15.12
11+00	14.99
11+50	16.04
12+00	16.60
12+50	16.73
13+00	16.81
13+50	17.06
14+00	17.51
14+50	17.76
15+00	18.06
15+50	18.31

**JE INFRASTRUCTURE CONSULTING & ENGINEERING**



Digitally signed by James Hinson  
Date: 2023.10.12 16:24:24-04'00'

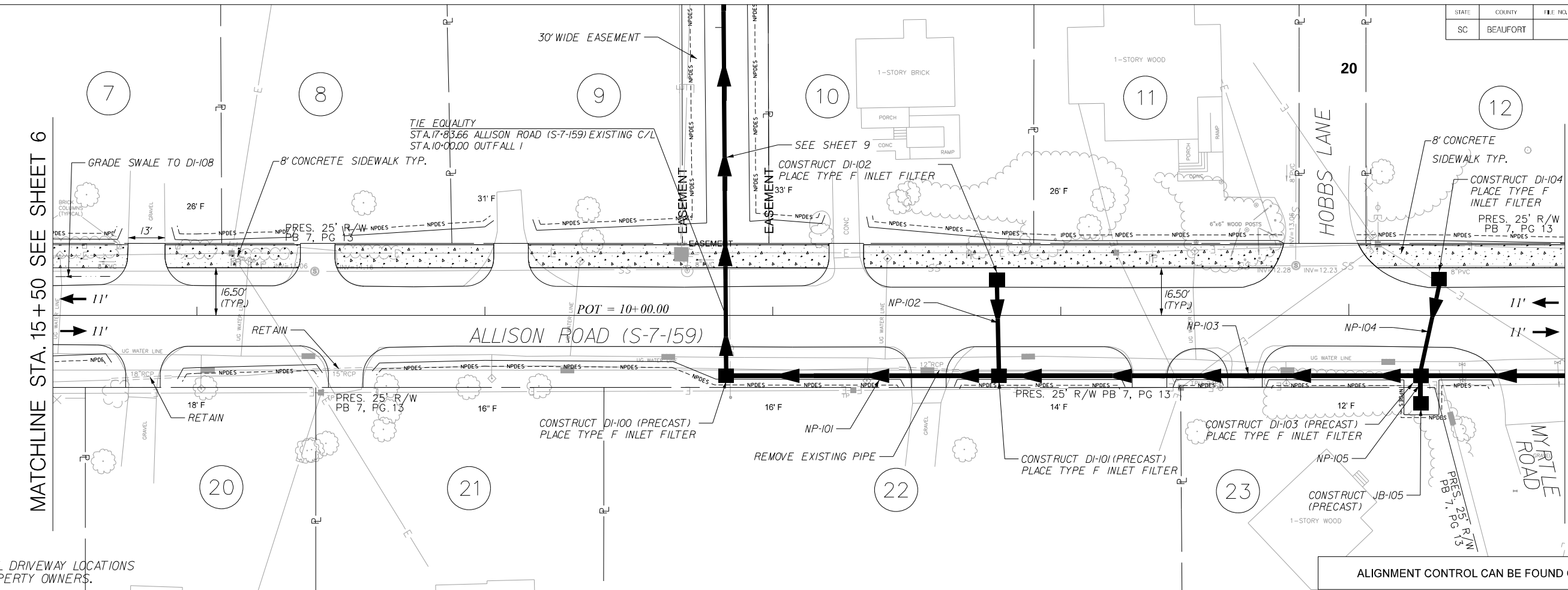
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DESIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
PLAN AND PROFILE SHEET

SHEET 6 SCALE: 1" = 20'



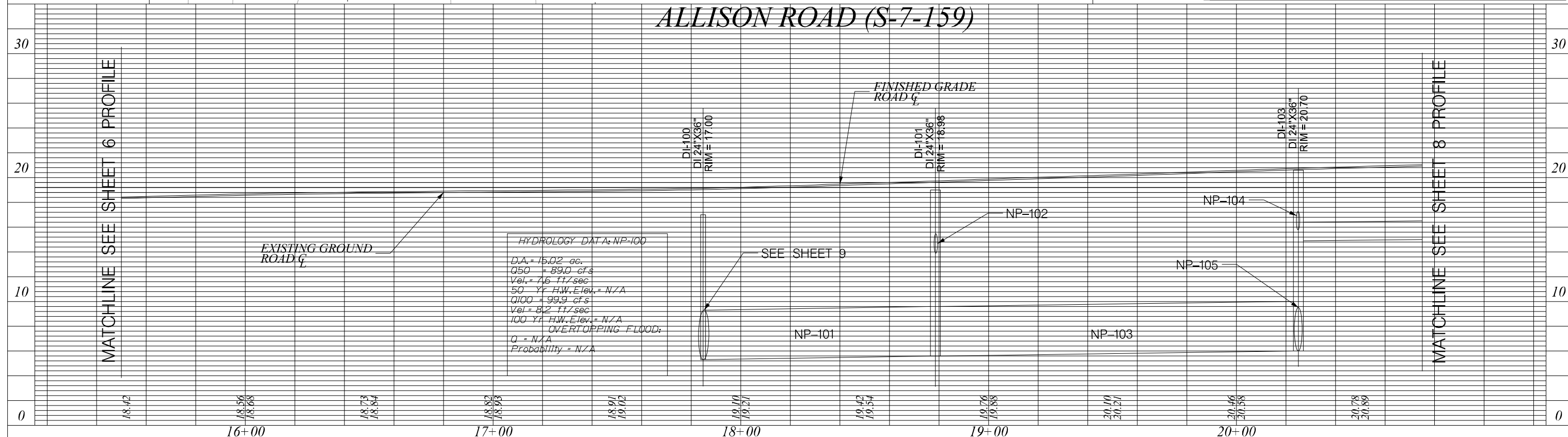
MATCHLINE STA. 15+50 SEE SHEET 6

MATCHLINE STA. 20+75 SEE SHEET 8

NOTE: VERIFY ALL DRIVEWAY LOCATIONS WITH PROPERTY OWNERS.

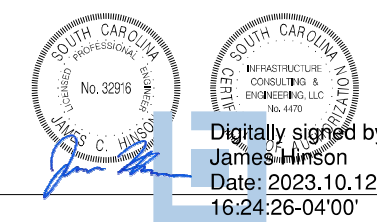
ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

### ALLISON ROAD (S-7-159)



MATCHLINE SEE SHEET 6 PROFILE

MATCHLINE SEE SHEET 8 PROFILE



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

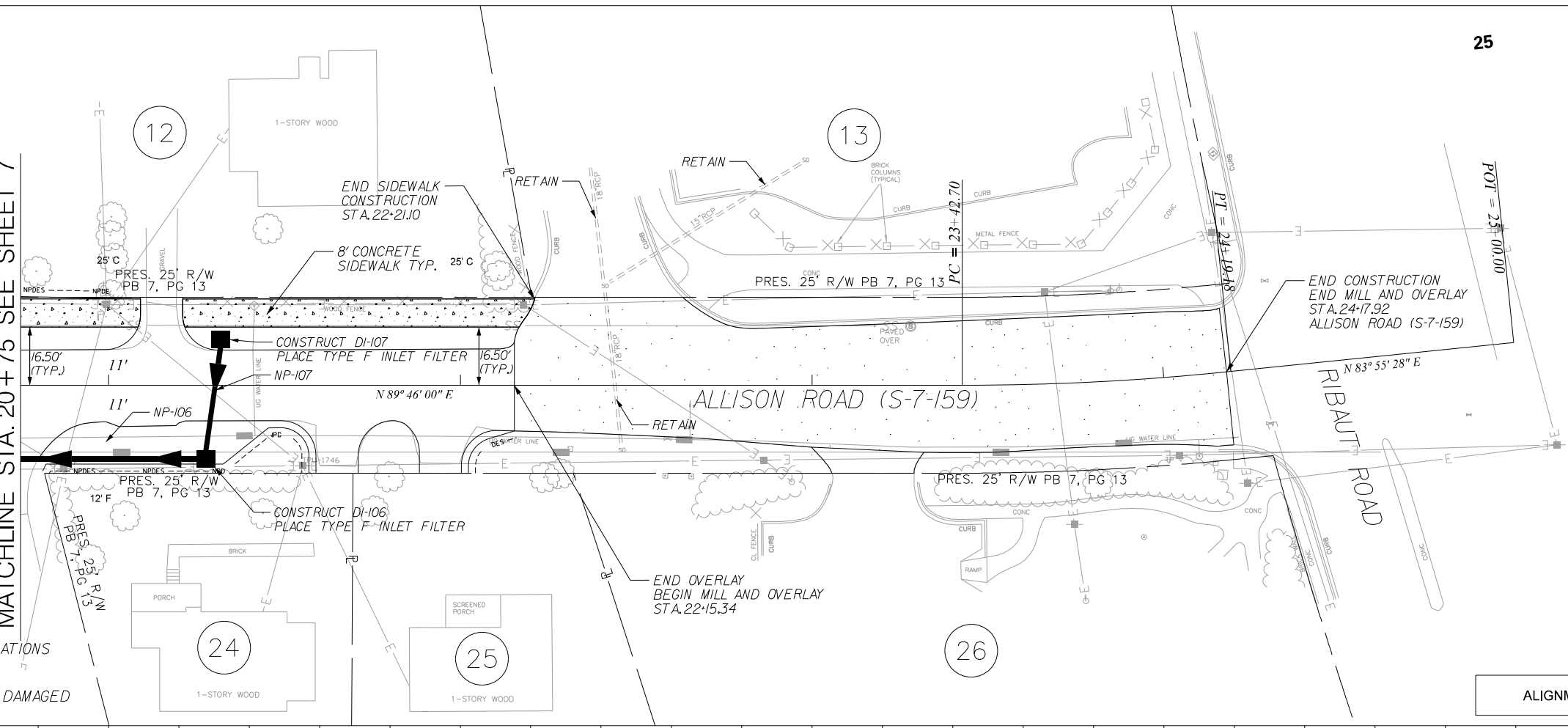
ALLISON ROAD (S-7-159)  
PLAN AND PROFILE SHEET

SHEET 7

SCALE: 1" = 20'

Digitally signed by James C. Hinson  
Date: 2023.10.12 16:24:26-04'00'

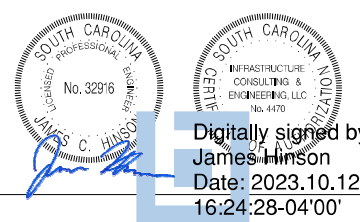
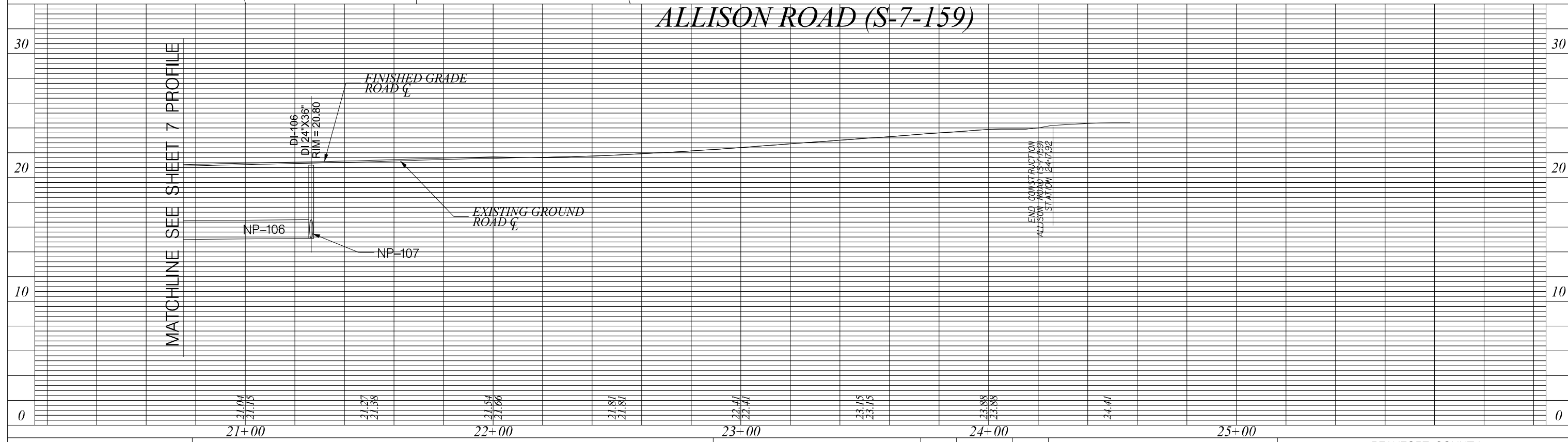
MATCHLINE STA. 20 + 75 SEE SHEET 7



- NOTE:
1. VERIFY ALL DRIVEWAY LOCATIONS WITH PROPERTY OWNERS.
  2. REPLACE EXISTING LOOP DAMAGED DURING MILLING.

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

### ALLISON ROAD (S-7-159)

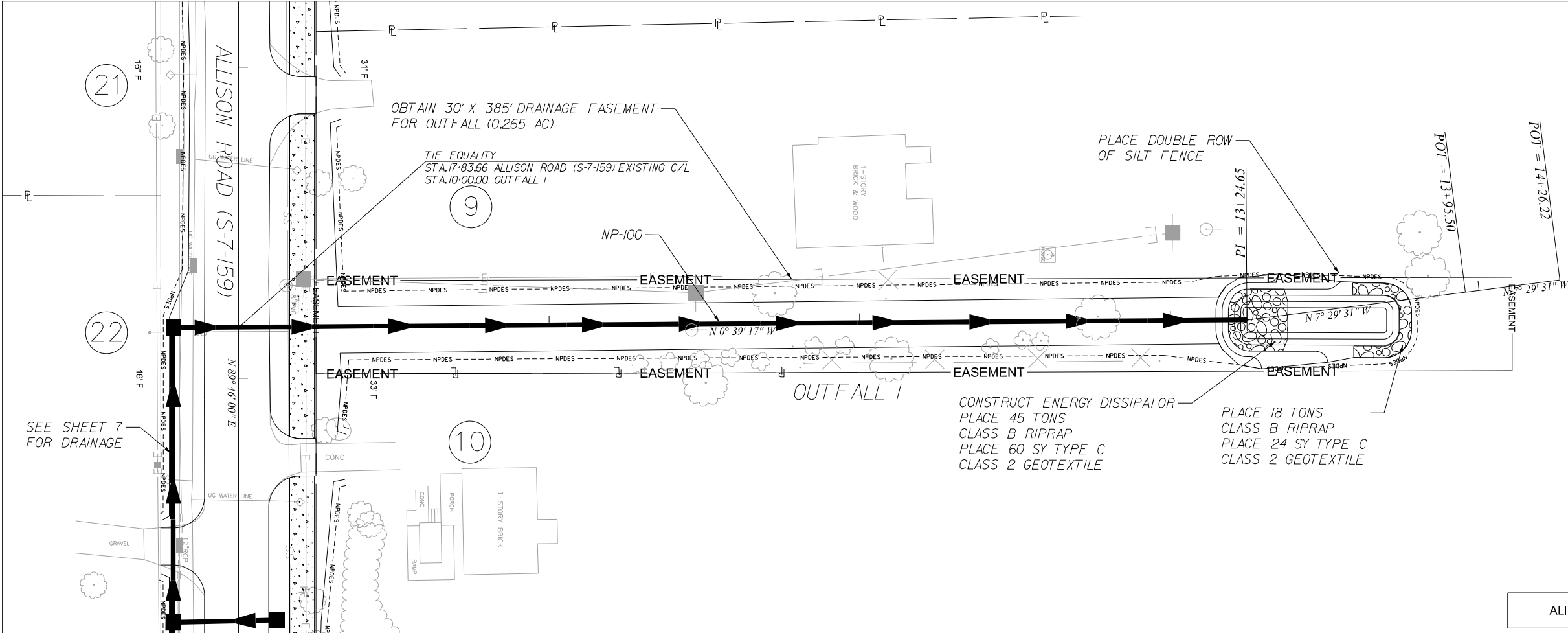


4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

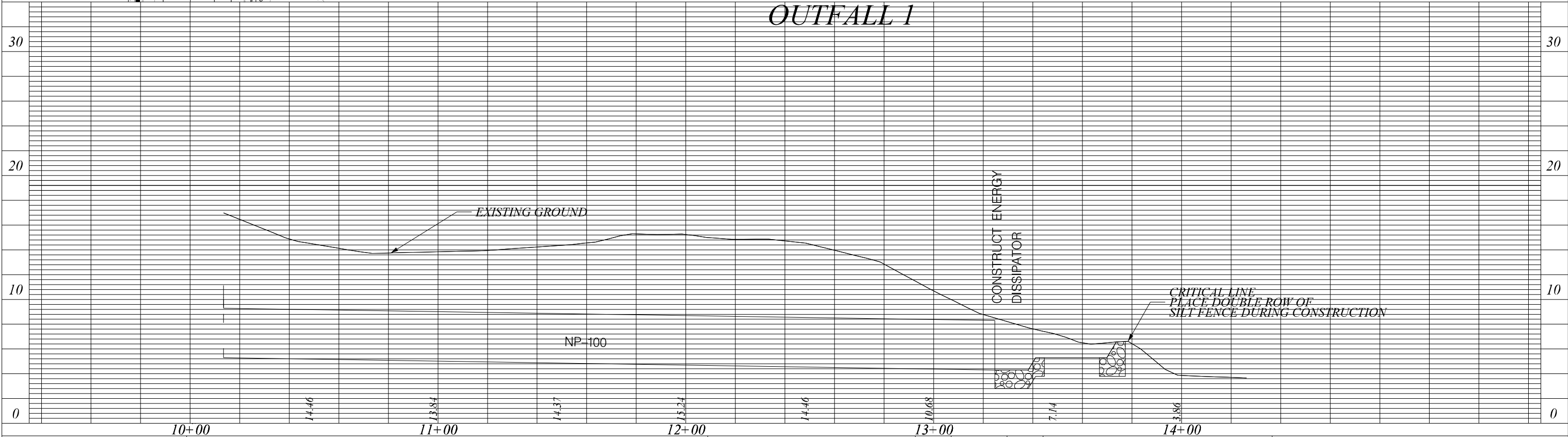
ALLISON ROAD (S-7-159)  
PLAN AND PROFILE SHEET

SHEET 8      SCALE: 1" = 20'



SEE SHEET 7 FOR DRAINAGE

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



Digitally signed by  
James C. Hinson  
Date: 2023.10.12  
16:24:31-04'00'

4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

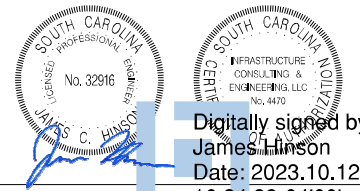
BEAUFORT COUNTY  
CITY OF BEAUFORT

OUTFALL 1  
PLAN AND PROFILE SHEET

SHEET 9 SCALE: 1" = 20'

# DRAINAGE PIPE TABLE

System ID	Link - ID	Geometry				Upstream				Downstream				Fill Height		Joint		
		Diameter	No. of	Pipe	Slope	Node	Node	Node	Link Invert	Node	Node	Node	Link Invert	Upstream	Downstream	Pressure	RCP	Built
		(in)	Barrels	Length	(%)		Description	Station	(ft)		Description	Station	(ft)	(ft)	(ft)	(psi)	Class	v
A	NP-100	48	1	340	0.3	DI-100	D.I. 24"X36" W/5'X5' BOX	17+83.78	5.30	O-1	OPEN PIPE	17+81.27	4.30	13.7	0.0	13	III	
A	NP-101	48	1	91	0.3	DI-101	D.I. 24"X36" W/5'X5' BOX	18+78.51	5.58	DI-100	D.I. 24"X36" W/5'X5' BOX	17+83.78	5.30	13.4	13.7	13	III	
A	NP-102	18	1	26	1.9	DI-102	D.I. 24"X36"	18+77.85	14.50	DI-101	D.I. 24"X36" W/5'X5' BOX	18+78.51	14.00	4.6	5.0	13	III	
A	NP-103	48	1	142	0.3	DI-103	D.I. 24"X36" W/5'X5' BOX	20+25.00	6.01	DI-101	D.I. 24"X36" W/5'X5' BOX	18+78.51	5.58	14.7	13.4	13	III	
A	NP-104	18	1	26	2.7	DI-104	D.I. 24"X36"	20+31.43	16.20	DI-103	D.I. 24"X36" W/5'X5' BOX	20+25.00	15.50	4.5	5.2	13	III	
A	NP-105	42	1	10	0.5	JB-105	JUNCT BOX W/MH (5'x5')	20+25.00	6.06	DI-103	D.I. 24"X36" W/5'X5' BOX	20+25.00	6.01	14.9	14.7	13	III	
A	NP-106	18	1	99	0.3	DI-106	D.I. 24"X36"	21+27.60	15.20	DI-103	D.I. 24"X36" W/5'X5' BOX	20+25.00	14.90	5.6	5.8	13	III	
A	NP-107	18	1	25	0.5	DI-107	D.I. 24"X36"	21+31.83	15.33	DI-106	D.I. 24"X36"	21+27.60	15.20	5.5	5.6	13	III	



Digitally signed by James Hinson  
Date: 2023.10.12 16:24:33-04'00'

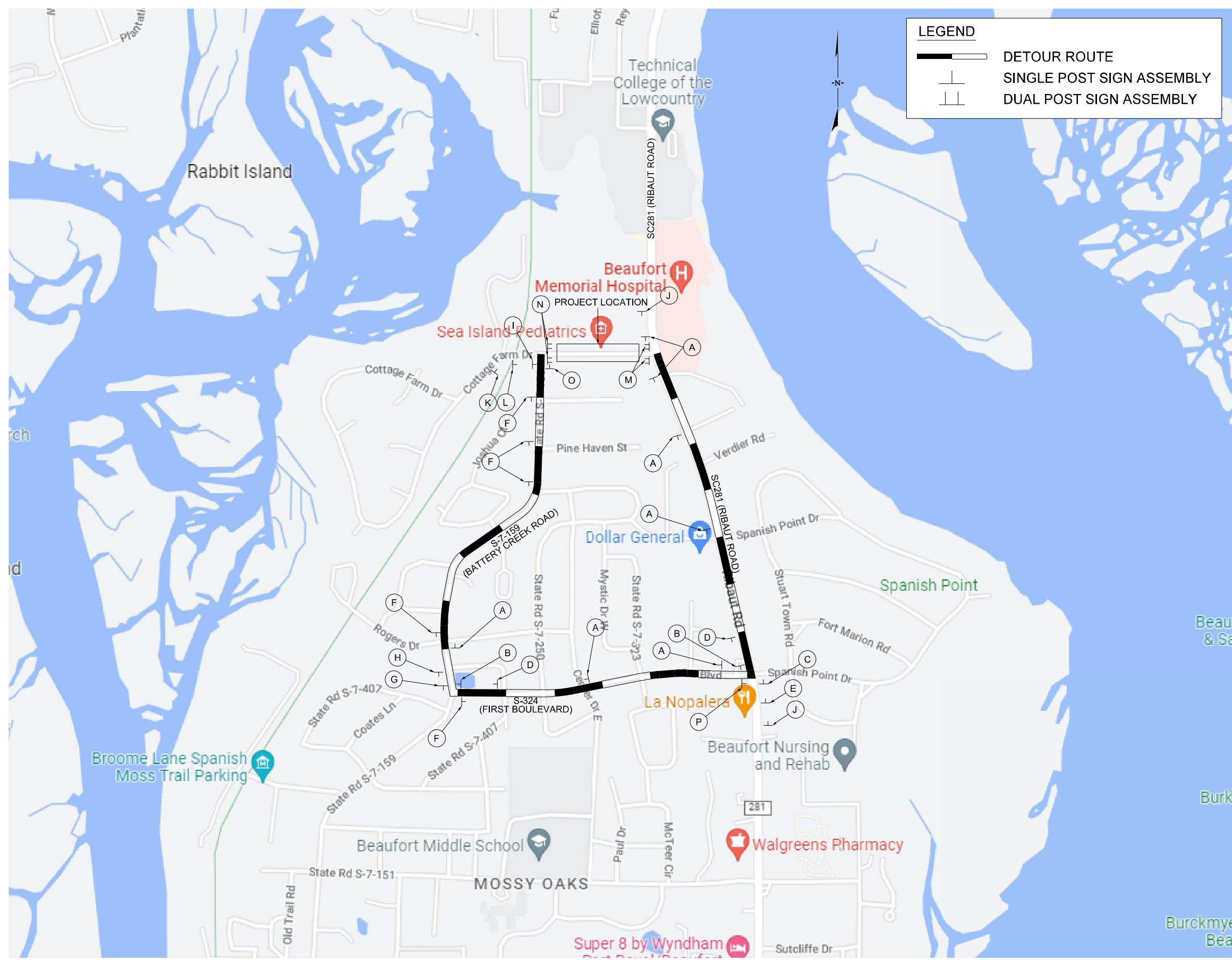
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

**LEGEND**

DETOUR ROUTE

SINGLE POST SIGN ASSEMBLY

DUAL POST SIGN ASSEMBLY



<b>A</b>  M4-9-30	<b>B</b>  M4-9R-30	<b>C</b>  M4-9L-30	<b>D</b>  M4-9.1R-30	<b>E</b>  M4-9.1L-30
<b>F</b>  M4-9-30 M4-5-24 M1-5-30-281	<b>G</b>  M4-9L-30 M4-5-24 M1-5-30-281	<b>H</b>  M4-9.1L-30 M4-5-24 M1-5-30-281	<b>I</b>  M4-9R-30 M4-5-24 M1-5-30-281	
<b>J</b>  W20-2-48-A	<b>K</b>  W20-2-48-A	<b>L</b>  W20-3-48-A		
<b>M</b>  R11-4-60 M4-10L-48	<b>N</b>  R11-4-60 M4-10R-48	<b>O</b>  M4-8a-24	<b>P</b>  M4-8a-24 M4-5-24 M1-5-30-281	

SIGN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
QUANTITY	7	2	1	2	1	5	2	1	1	1	2	1	2	2	1	1

- NOTES:
- 1) CLOSE ALLISON RD IN ACCORDANCE WITH THESE PLANS AND STANDARD DRAWING 610-510-00
  - 2) DETOUR ALLISON RD IN ACCORDANCE WITH THESE PLANS AND STANDARD DRAWING 610-610-00
  - 3) DETOUR TO BE IN PLACE FOR A MAXIMUM OF 21 DAYS. THE PENALTY FOR VIOLATING THE MAXIMUM DETOUR DURATION WILL BE \$2000/DAY.

D3-1-4:  
1.50" Radius, 0.38" Border, 0.38" Indent, Black on Orange;  
"ALLISON", Highway D 2K; "RD.", Highway D 2K;  
Table of distances between letter and object lefts  
A L L L L S O N R D  
1.81 3.38 2.47 2.45 0.66 2.71 2.84 5.73 2.71 2.71 0.72 1.81

**JE INFRASTRUCTURE CONSULTING & ENGINEERING**

Professionally sealed and stamped by  
**James C. Hinson**  
 No. 32916  
 Date: 2023.10.12  
 16:24:35-04'00"

4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE:		
DRAWN BY:		DATE:		
CHECKED BY:		DATE:		

BEAUFORT COUNTY  
 CITY OF BEAUFORT

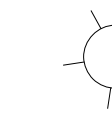
ALLISON ROAD (S-7-159)  
 TRAFFIC CONTROL SHEET  
 DETOUR ROUTE

SHEET TC1 SCALE: NTS

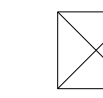
**NOTES:**

- ALL WORK AND MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE 2007 SOUTH CAROLINA DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SCDOT SUPPLEMENTAL SPECIFICATIONS – ROADWAY LIGHTING, NATIONAL ELECTRICAL CODE AND NATIONAL ELECTRIC SAFETY CODE.
- CONTACT TERRANCE HARRIS WITH DOMINION ENERGY FOR SERVICE POINT COORDINATION: TERRANCE.HARRIS@DOMINIONENERGY.COM: (843) 592-6728.
- CONTRACTOR SHALL BE AWARE OF OVERHEAD POWER LINES DURING CONSTRUCTION.
- CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, ELBOWS, LB'S, FLEXIBLE CONDUIT, ETC SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
- LUMINAIRE MANUFACTURER SHALL PROVIDE A TEN YEAR WRITTEN WARRANTY FOR PARTS AND DEFECTIVE WORKMANSHIP ON LUMINAIRES.
- ALL PITS USED FOR INSTALLED PUSHED (JACKED) CASINGS UNDER EXISTING ROADWAYS SHALL HAVE A MINIMUM OF FIVE FEET BETWEEN EDGE OF SHOULDER. LOCATIONS AS SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET CLEARANCE REQUIREMENTS. CONTRACTOR SHALL FOLLOW MUTCD, SCDOT STANDARD DRAWINGS, AND SCDOT REQUIREMENTS FOR ALL TRAFFIC CONTROL RELATED WORK.
- ALL ELECTRICAL CONNECTIONS SHALL BE MADE ABOVE GRADE INSIDE POLE BASES OR JUNCTION BOXES. NO UNDERGROUND SPLICING ALLOWED.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO INSTALLATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL PROVIDE THE SERVICE POLE UNLESS OTHERWISE NOTED. THE SERVICE RISER AND LATERAL, WEATHERHEAD, WATERPROOF ENCLOSURES, CIRCUIT BREAKERS, LIGHTNING ARRESTER, AND THE NECESSARY WIRING FOR CONNECTING TO THE POWER SOURCE, SHALL BE INCLUDED UNDER THE "ELECTRICAL SERVICE CONNECTIONS" PAY ITEM.

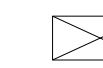
**LEGEND:**



PROPOSED DECORATIVE POLE, 14' POLE, 16' MOUNTING HEIGHT, WITH LED LUMINAIRE.  
LUMINAIRES SHALL BE (OR APPROVED EQUAL)  
- HOLOPHANE MDLE2 P40 40K AS 3 BK RBK CH FBK PR202427 (7280 LUMENS, 77 W, 4000K)  
POLE SHALL BE (OR APPROVED EQUAL)  
- HOLOPHANE CHA14F4J16P07ABGBK CHA16 BRKWAY KIT FGIUS BK



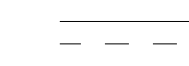
EXISTING PAD MOUNTED TRANSFORMER (DOMINION ENERGY)



PROPOSED SERVICE CABINET. SEE CONSTRUCTION DETAILS ON SHEET LL5.



PROPOSED PULL BOX. SEE CONSTRUCTION DETAILS ON SHEET LL9.



DIRECTIONAL BORE, SIZE AND TYPE AS SHOWN.

**POLE DATA TABLE**

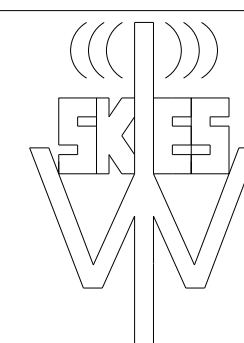
Pole	Sta. No.	Offset	Center / Base Line	Sheet No.	Fixture Mounting Height	No. of Lum's	Arm Length	Circuit	Installation Notes
P1	11+13.94	23.99' LT	COTTAGE FARM DRIVE	LL2	16'	1	N/A		
P2	12+06.46	24.00' LT	COTTAGE FARM DRIVE	LL2	16'	1	N/A		
P3	13+06.46	24.00' LT	ALLISON ROAD	LL2	16'	1	N/A		
P4	14+06.46	24.00' LT	ALLISON ROAD	LL2	16'	1	N/A		
P5	14+98.72	24.00' LT	ALLISON ROAD	LL2	16'	1	N/A		
P6	16+06.47	24.00' LT	ALLISON ROAD	LL3	16'	1	N/A		
P7	16+96.35	24.00' LT	ALLISON ROAD	LL3	16'	1	N/A		
P8	18+06.47	24.00' LT	ALLISON ROAD	LL3	16'	1	N/A		
P9	19+06.47	24.00' LT	ALLISON ROAD	LL3	16'	1	N/A		
P10	20+12.02	24.00' LT	ALLISON ROAD	LL3	16'	1	N/A		
P11	21+01.47	24.00' LT	ALLISON ROAD	LL4	16'	1	N/A		
P12	22+06.47	24.00' LT	ALLISON ROAD	LL4	16'	1	N/A		
P13	23+02.90	24.00' LT	ALLISON ROAD	LL4	16'	1	N/A		
P14	24+03.36	24.00' LT	ALLISON ROAD	LL4	16'	1	N/A		

**CONDUIT AND CABLE SCHEDULE**

- (A) CABLE AND CONDUIT PROVIDED AND INSTALLED BY DOMINION ENERGY.
- (B) 2" SCH 80 PVC CONDUIT WITH 3 #8 AND 1 #8 GND, INSTALLED IN TRENCH.
- (C) 2" SCH 80 PVC CONDUIT WITH 3 #8 AND 1 #8 GND, PULLED IN 4" CASING (STEEL OR HDPE), DIRECTIONALLY BORED.

**ELECTRICAL ITEMS**

Item No.	Description	Quantity	Unit
6650900	ELECTRIC SERVICE CONNECTIONS	1	EA
6651091	SINGLE DECORATIVE LIGHT POLE	14	EA
6888110	INSTALL STREET LIGHT LUMINAIRE	14	EA
675027Y	4.0" SCHED80 PVC COND-DIR.BORED	100	LF
6760020	2.0" SCHEDULE 80 PVC CONDUIT	1435	LF
6770319	#8Cu, 1, 600V, RHH, RHW, USE	6005	LF
6800530	17X30X28D.ELEC.UNGRD.ENCLOS/HD	2	EA



Wi-Skies, LLC

**INFRASTRUCTURE**  
CONSULTING & ENGINEERING

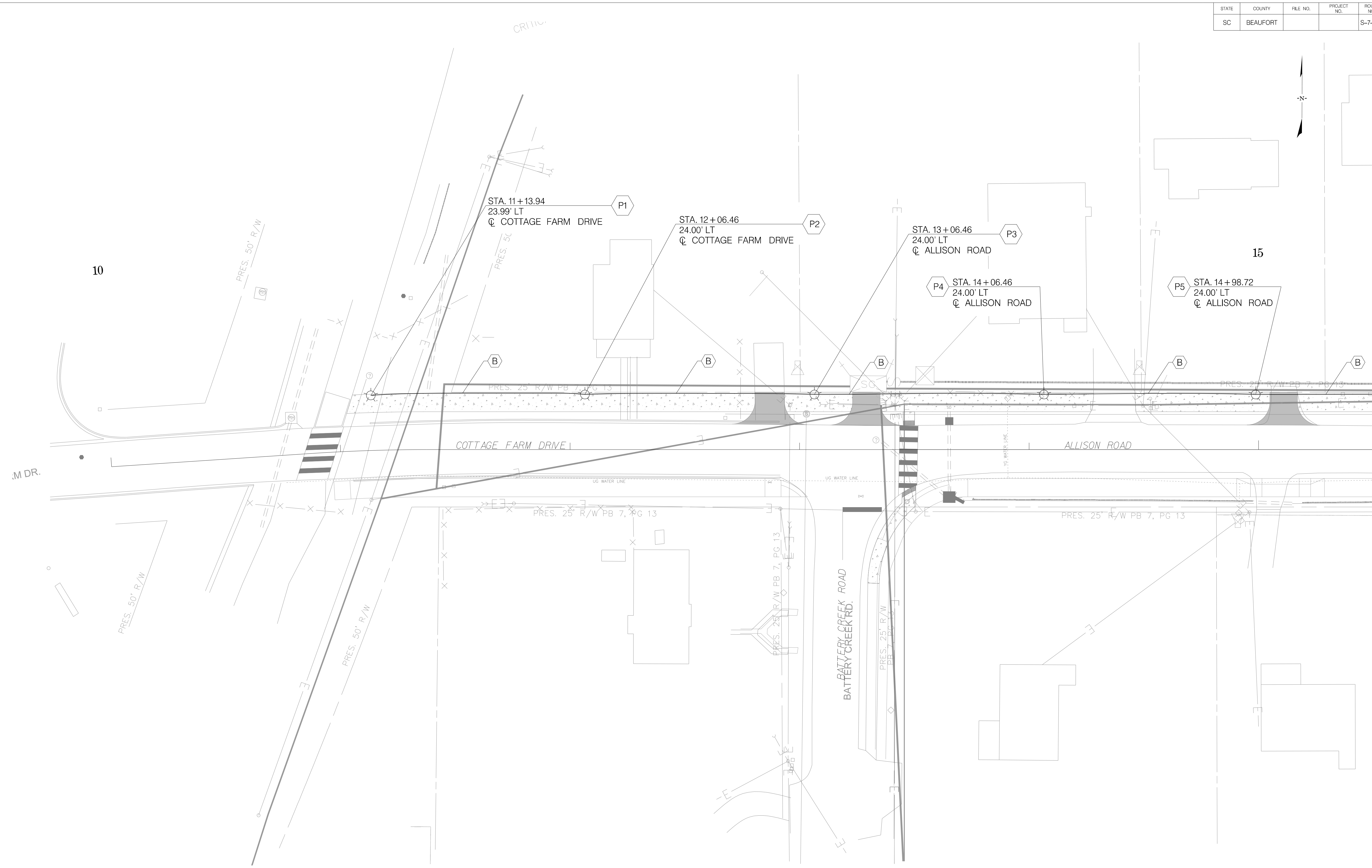


4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

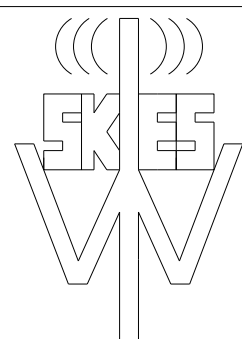
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL2

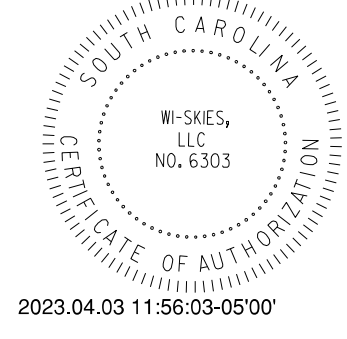


MATCHLINE STA. 15 + 50 SEE SHEET LL3



Wi-Skies, LLC

**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET

SHEET LL2

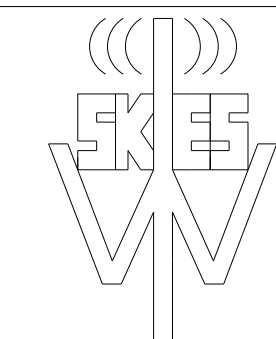
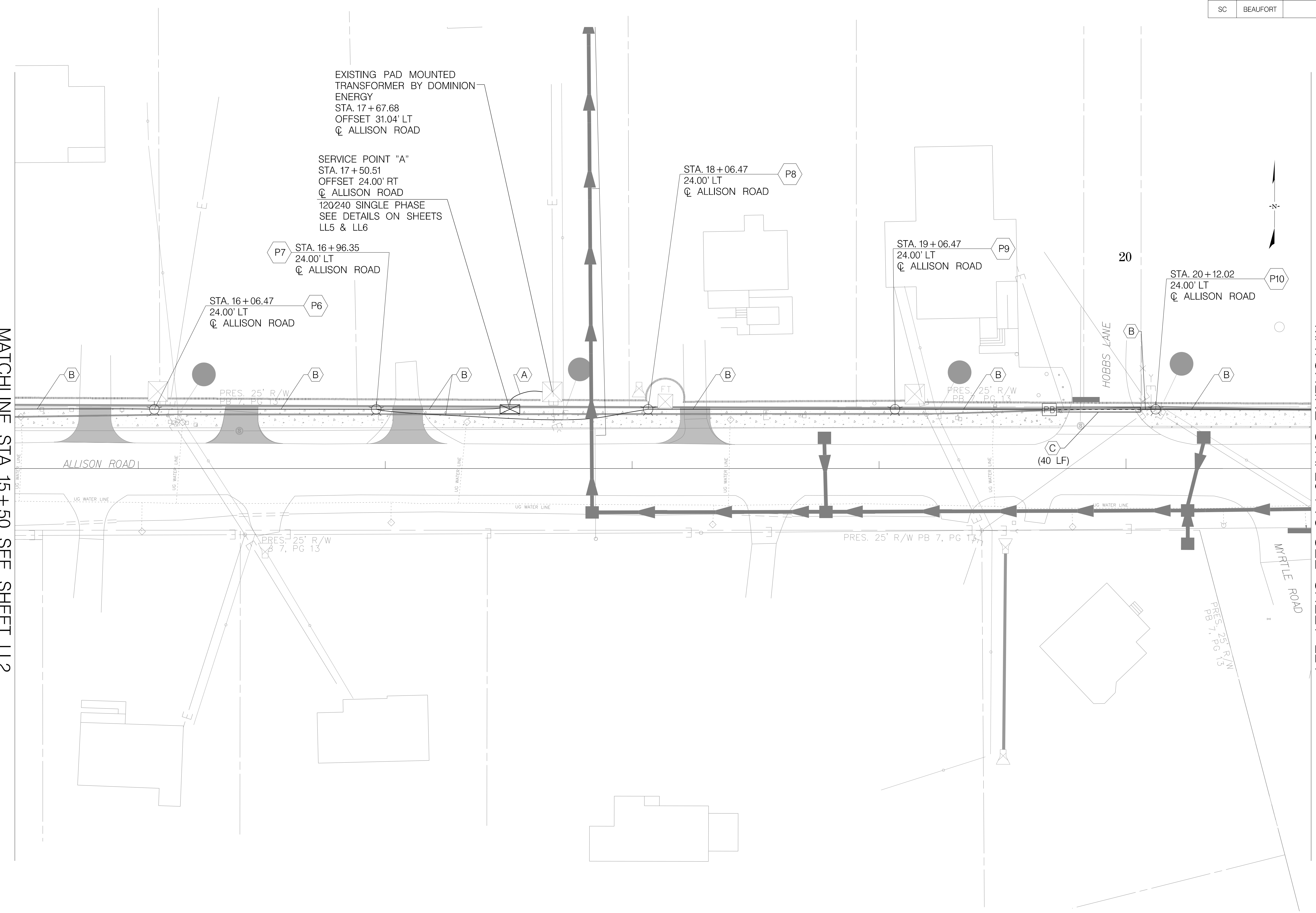
SCALE: 1" = 20'



STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL3

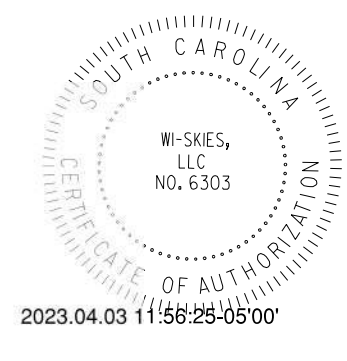
MATCHLINE STA. 15+50 SEE SHEET LL2

MATCHLINE STA. 20+75 SEE SHEET LL4



Wi-Skies, LLC

**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

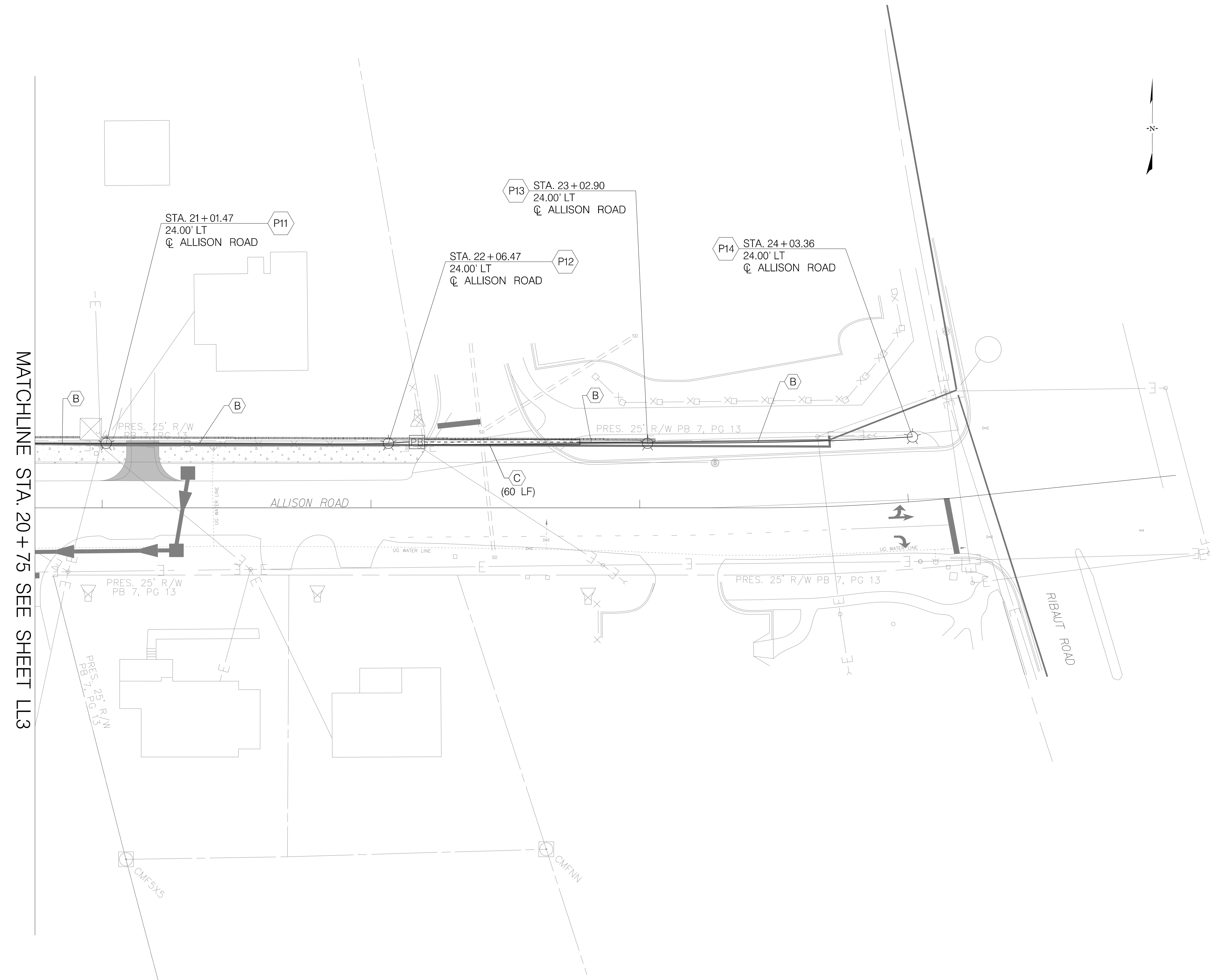
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET

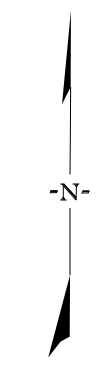
SHEET LL3

SCALE: 1" = 20'

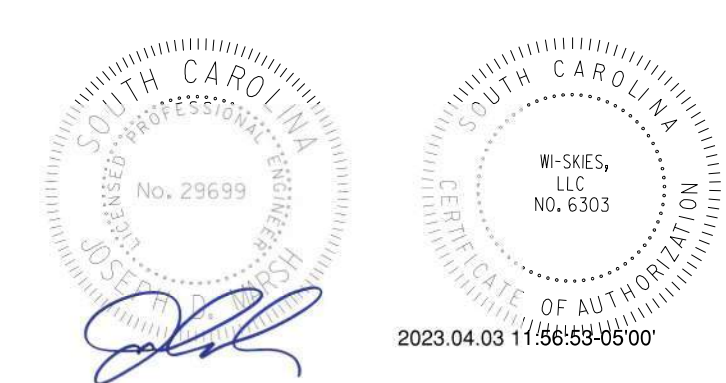
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL4



MATCHLINE STA. 20 + 75 SEE SHEET LL3



**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET

SHEET LL4

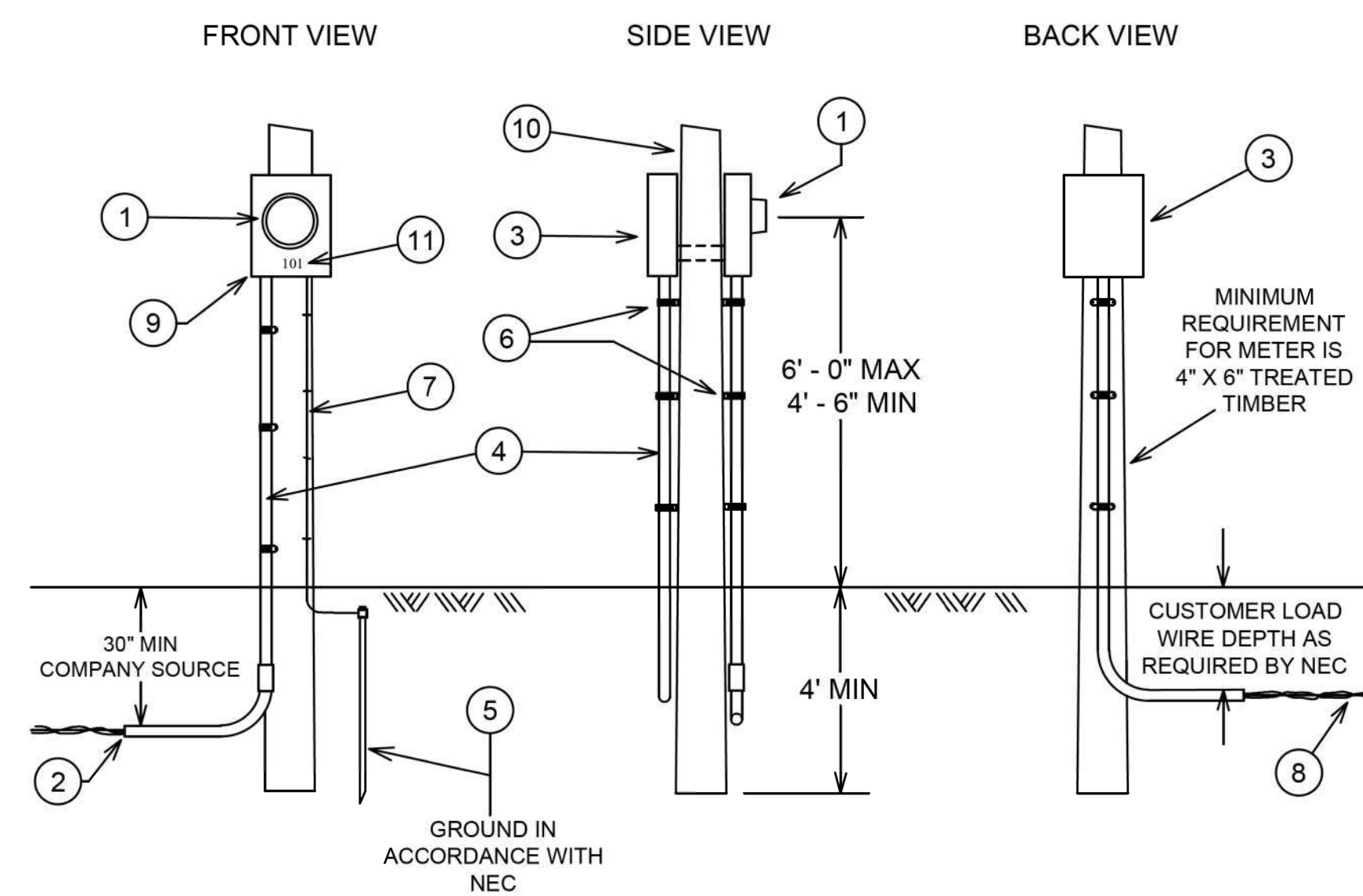
SCALE: 1" = 20'

**TO BE FURNISHED, INSTALLED AND MAINTAINED BY DOMINION ENERGY:**

ITEM #	DESCRIPTION
1	METER
2	SERVICE (SOURCE) CONDUCTORS

**TO BE FURNISHED, INSTALLED AND MAINTAINED BY CUSTOMER:**

ITEM #	DESCRIPTION
3	CABINET AND CIRCUIT BREAKER(S)
4	CONDUIT (GALVANIZED IRON OR PVC) 2 INCH MIN DIAMETER
5	GROUND ROD (5/8" X 8' GALVANIZED OR COPPER CLAD)
6	PIPE STRAPS (SECURELY ATTACHING CONDUIT)
7	COPPER GROUND WIRE #6 MIN. (ALUMINUM NOT ACCEPTABLE)
8	SERVICE CONDUCTORS
9	METER SOCKET (RINGLESS AND UL APPROVED)
10	TREATED TIMBER / POLE
11	ADDRESS OR LOT NUMBER (PERMANENTLY MARKED ON METER SOCKET COVER)



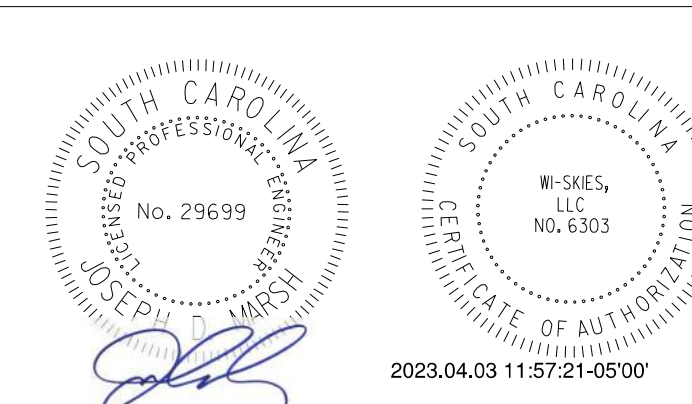
SERVICE POINT ELEVATION

**NOTES:**

- SOURCE SIDE CONNECTIONS IN METER SOCKET TO BE MADE BY DOMINION ENERGY. LOAD SIDE CONNECTIONS IN METER SOCKET TO BE MADE BY CUSTOMER.
- METER POLE MUST BE SPOTTED BY COMPANY REPRESENTATIVE AND CANNOT BE INSTALLED FURTHER THAN 125 FEET FROM COMPANY POLE/TRANSFORMER.
- GROUNDING CONDUCTOR (ITEM 7) TO BE SECURELY ATTACHED TO STRUCTURE.
- ENTIRE ASSEMBLY TO MEET COMPANY, NEC AND LOCAL CODE REQUIREMENTS.
- CALL PALMETTO UTILITIES PROTECTION SERVICE (PUPS) AT 811 BEFORE YOU DIG.



**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

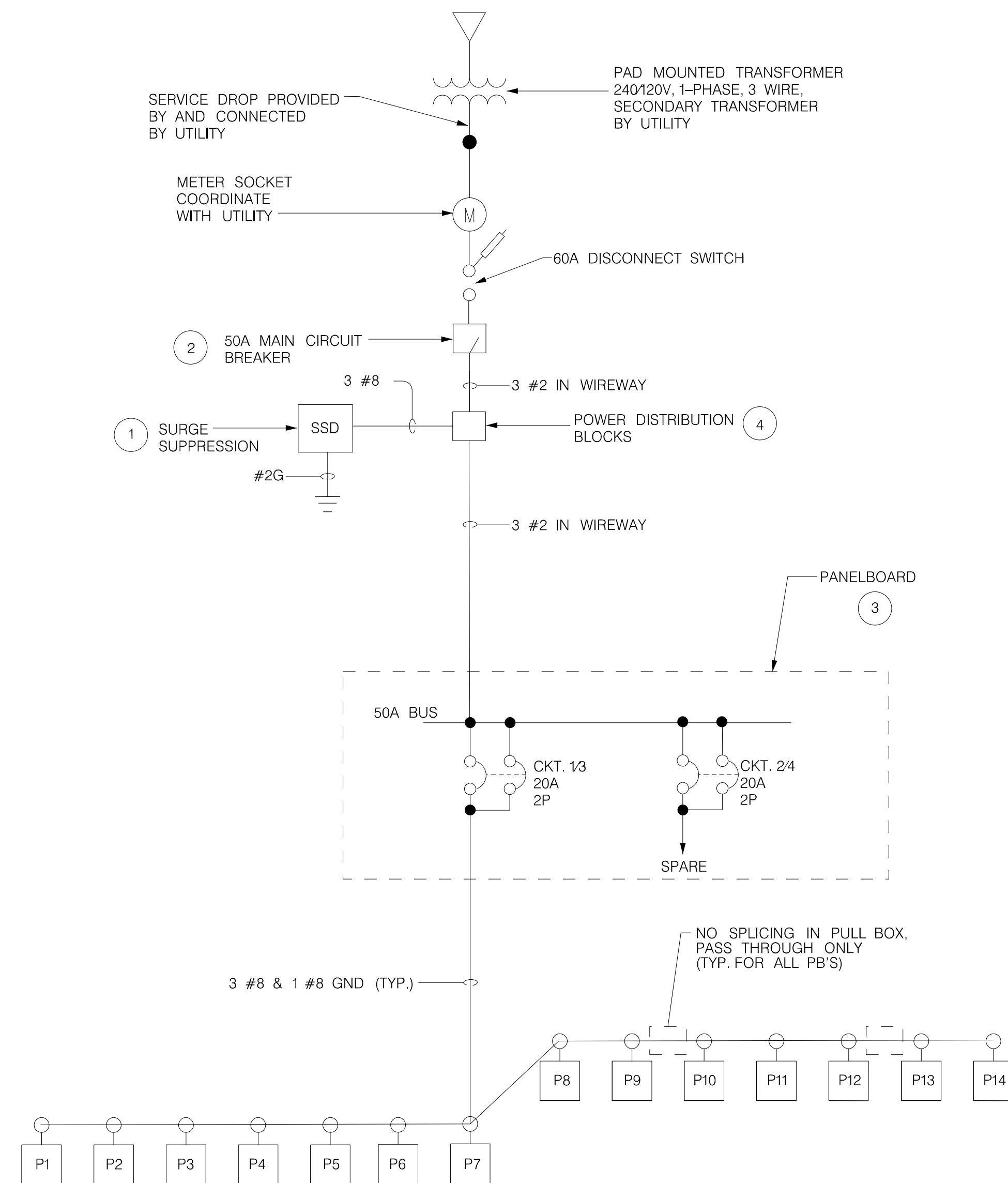
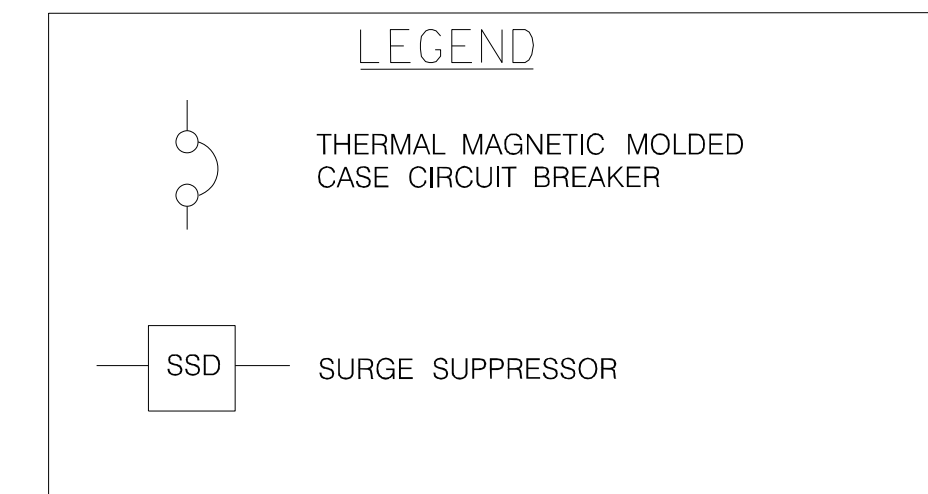
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET  
SERVICE PEDESTAL WITH METER DETAIL

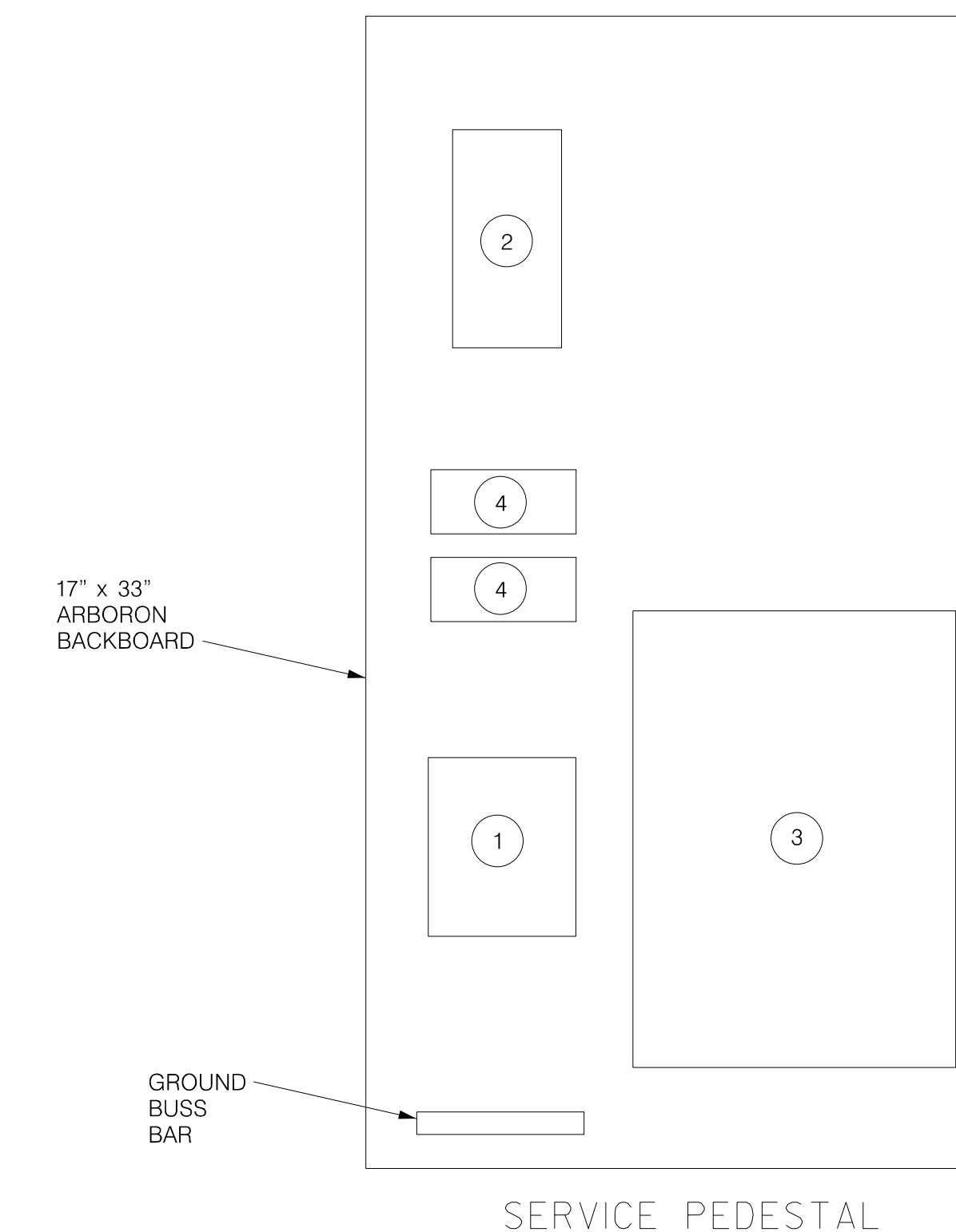
SHEET LL5 NOT TO SCALE

NOTES

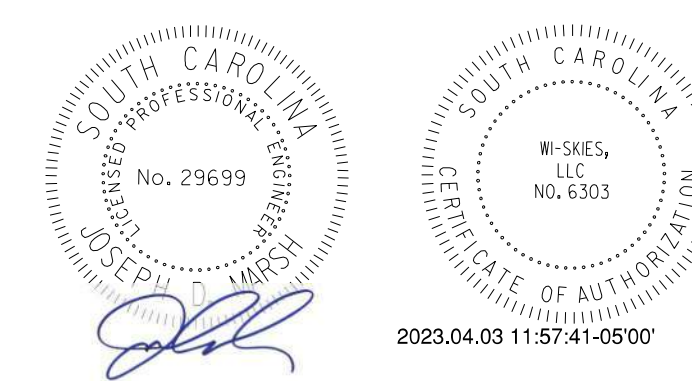
- 1 SURGE SUPPRESSOR SHALL BE SUITABLE FOR CONNECTION TO 120/240V, 1 PHASE SERVICE. THE SURGE SUPPRESSOR SHALL HAVE MINIMUM SURGE CURRENT RATING OF 130,000A PER PHASE AND SHALL PROVIDE L-L, L-N & N-G PROTECTION. THE SURGE SUPPRESSOR SHALL HAVE RED STATUS LED AND SHALL BE U.L. 1449 AND 1283 LISTED. SURGE SUPPRESSOR SHALL BE PROVIDED BY SQUARE D, EATON OR APPROVED EQUAL AND SHALL BE NIPPLE CONNECTED TO THE MAIN BREAKER.
- 2 MAIN CIRCUIT BREAKER SHALL BE MOLDED CASE, THERMAL MAGNETIC TYPE AND SHALL INCLUDE INSULATED, GROUNDABLE NEUTRAL ASSEMBLY. BREAKER SHALL HAVE 60 AMP FRAME AND 50 AMP OVERCURRENT RATING. BREAKER SHALL HAVE 65KVA AT 240V INTERRUPTING RATING. THE BREAKER SHALL BE UL LISTED AS SUITABLE FOR SERVICE EQUIPMENT AND SHALL BE SUPPLIED BY SQUARE D, EATON OR APPROVED EQUAL.
- 3 PANELBOARD SHALL BE 240/120V, 1 PHASE, 3 WIRE WITH COPPER BUSBARS. RATINGS SHALL BE AS INDICATED ON DRAWINGS. A GROUND BUS SHALL BE PROVIDED IN THE PANEL. THE PANEL SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000A R.M.S. SYMMETRICAL. THE PANEL SHALL HAVE HINGED DOOR AND DEADFRONT CONSTRUCTION AND MANUFACTURED BY SQUARE D, EATON OR APPROVED EQUAL.
- 4 POWER DISTRIBUTION BLOCKS USED TO DISTRIBUTE WIRES FROM INPUT BETWEEN THE MAIN CIRCUIT BREAKER, SURGE SUPPRESSOR AND THE LIGHTING CONTACTOR. THE BLOCKS NEED TO ACCEPT CABLES RANGING FROM #10 TO #8 AWG.



SYSTEM SINGLE LINE DIAGRAM - SERVICE POINT "A"



**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

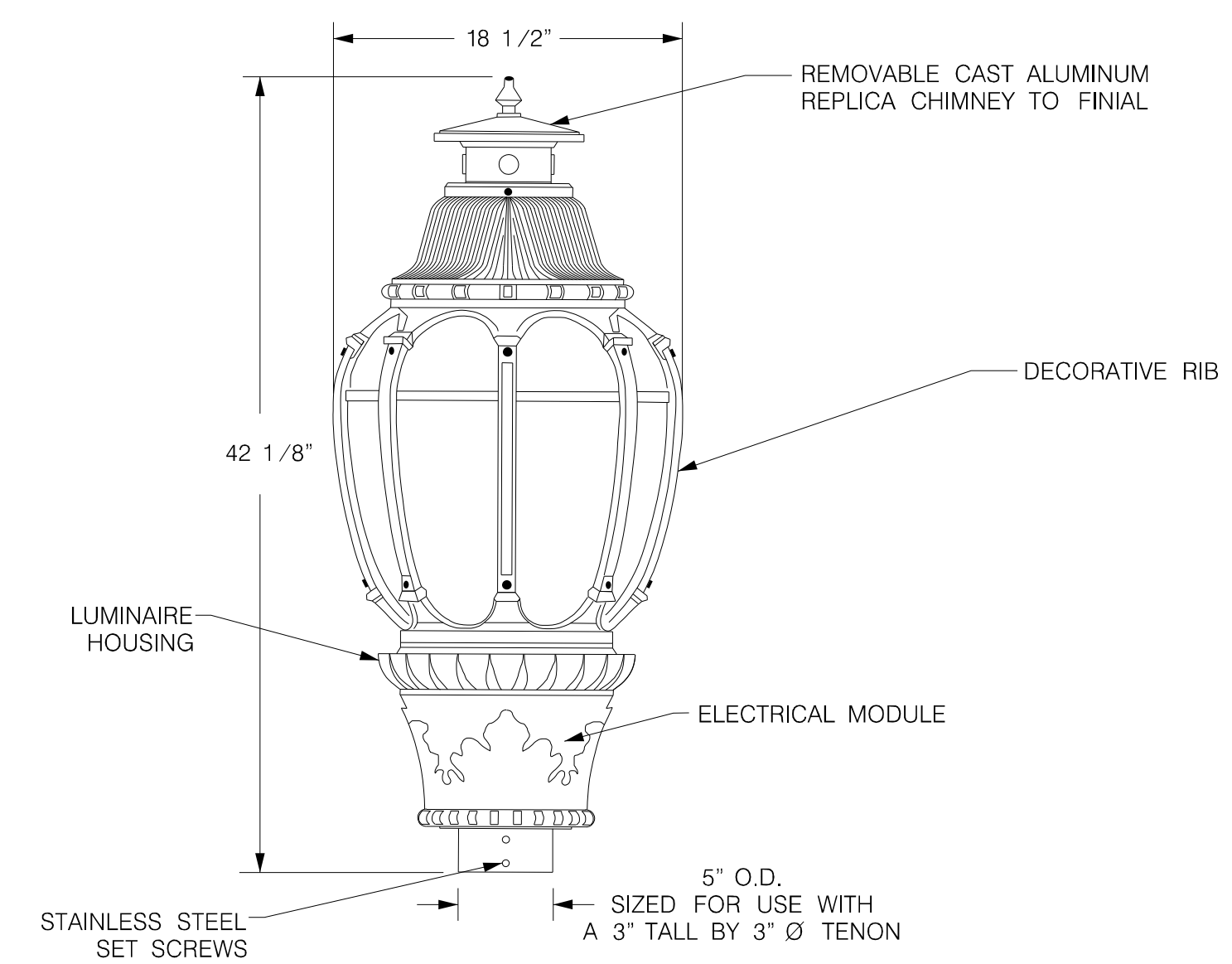


4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

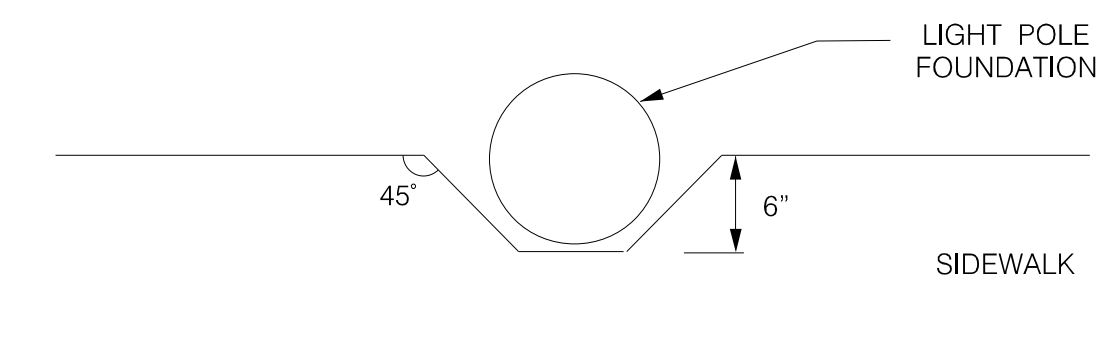
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET  
SERVICE POINT "A" DETAILS

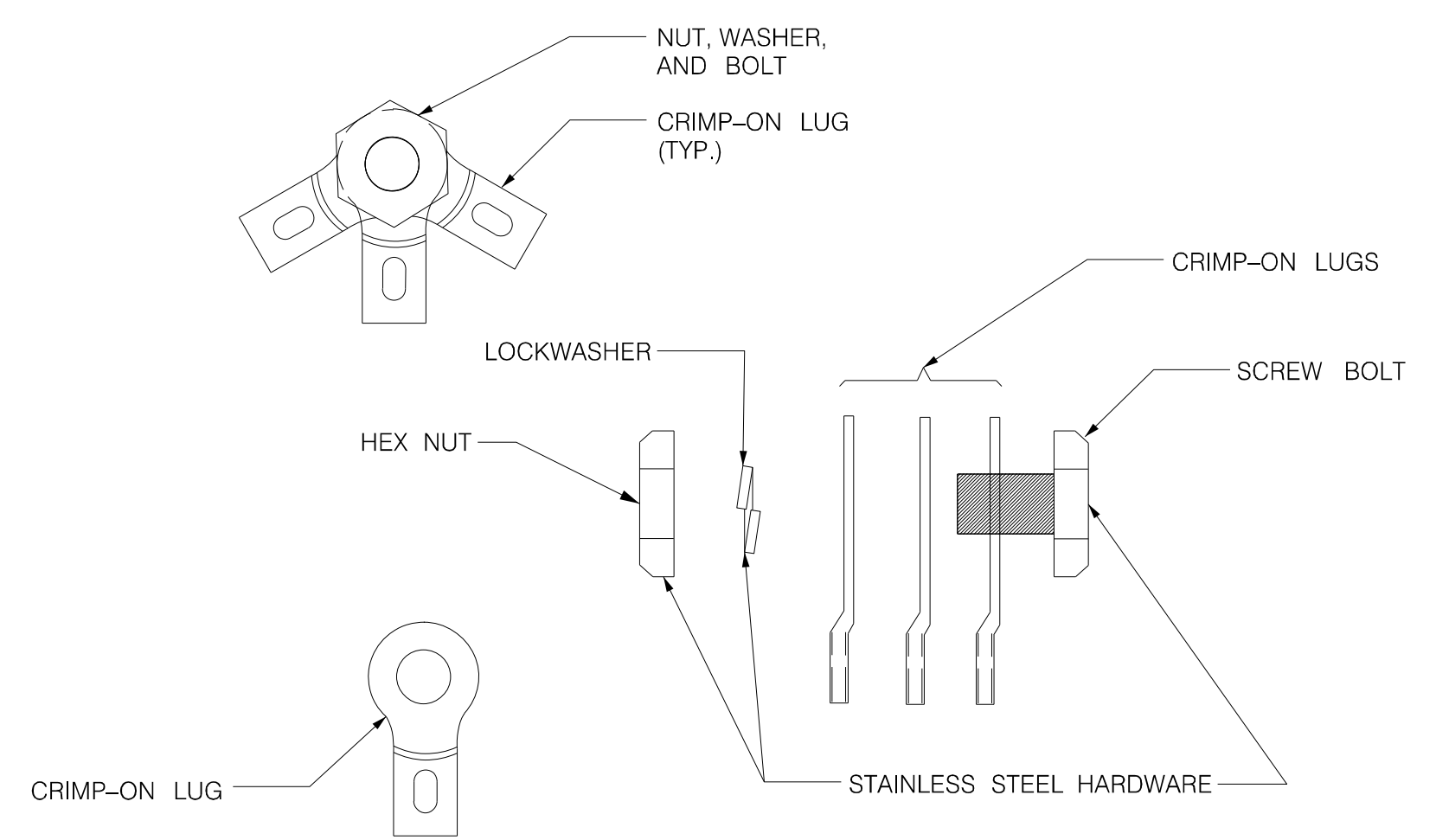
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL7



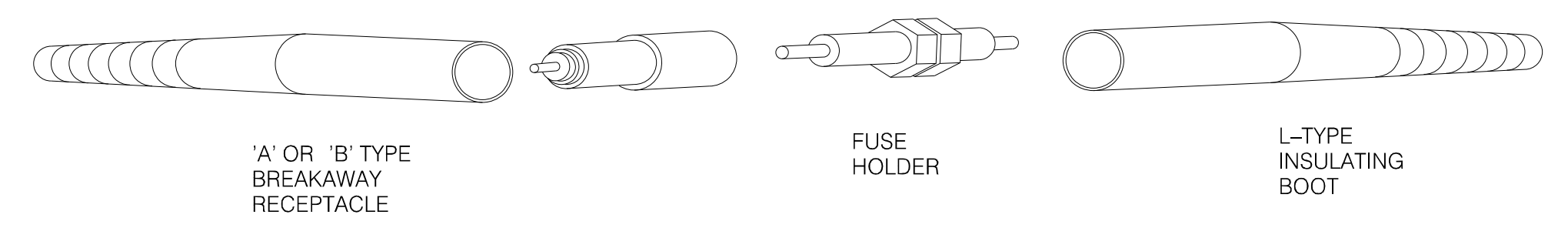
LUMINAIRE DETAIL



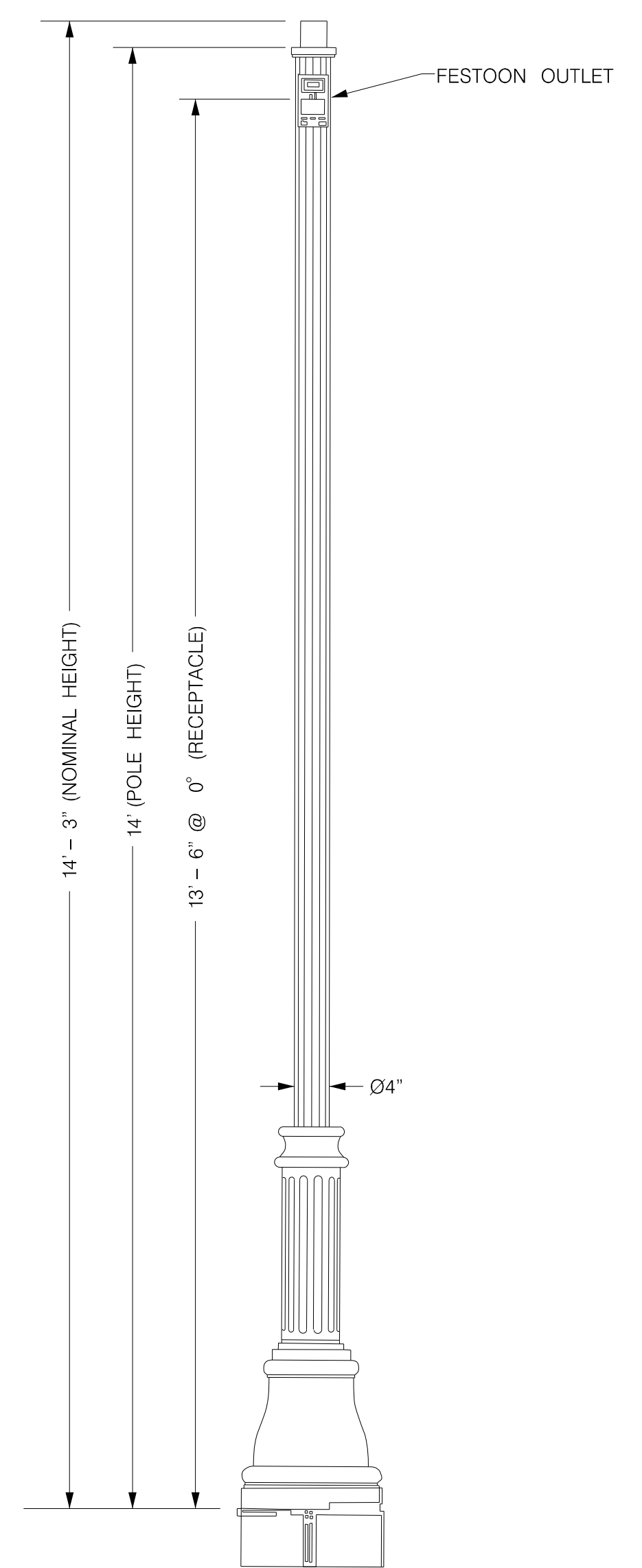
NOTCH DETAIL FOR LIGHT POLE INSTALLATION  
(TYP. FOR P1 THRU P12)



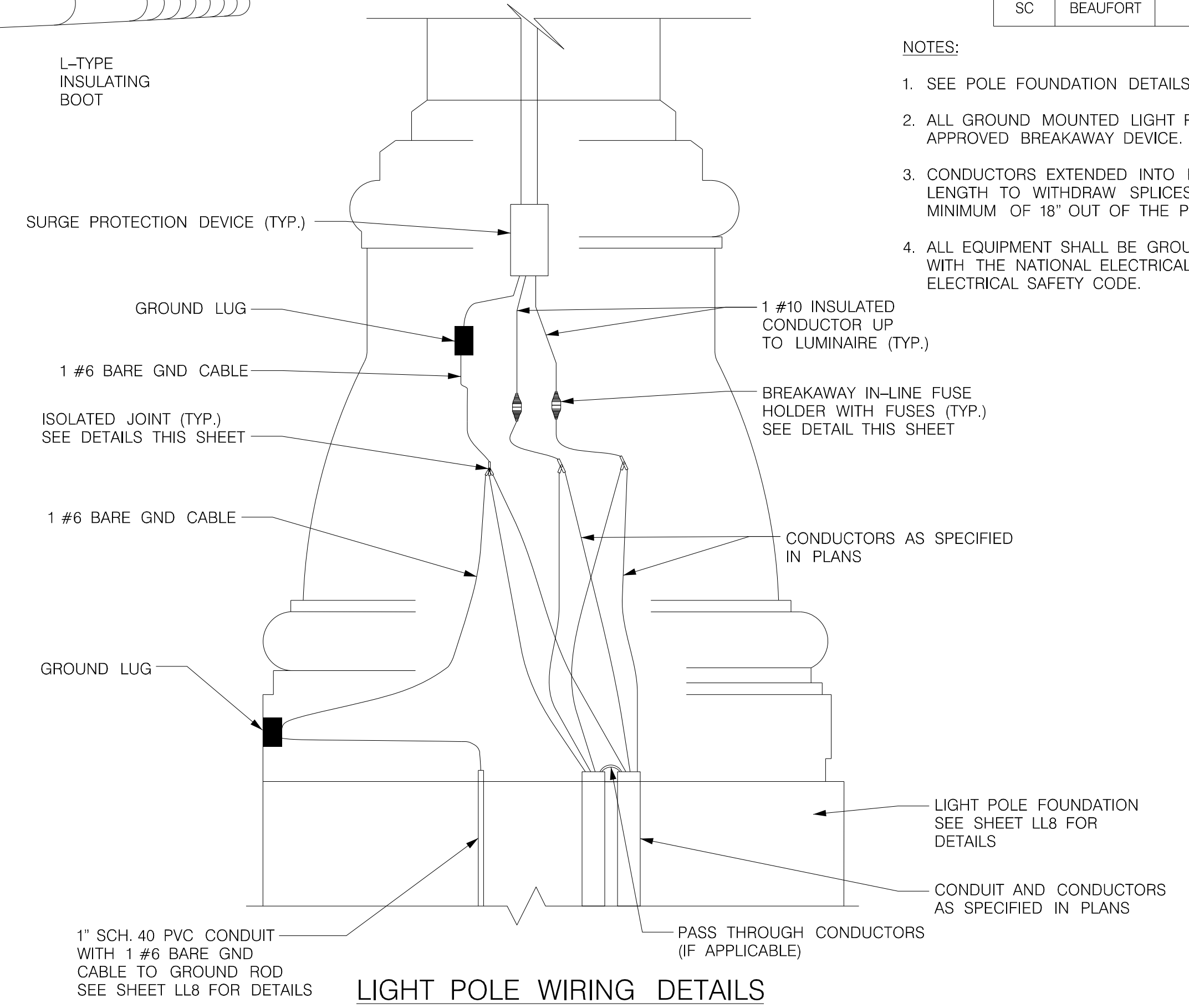
ISOLATED JOINT DETAIL



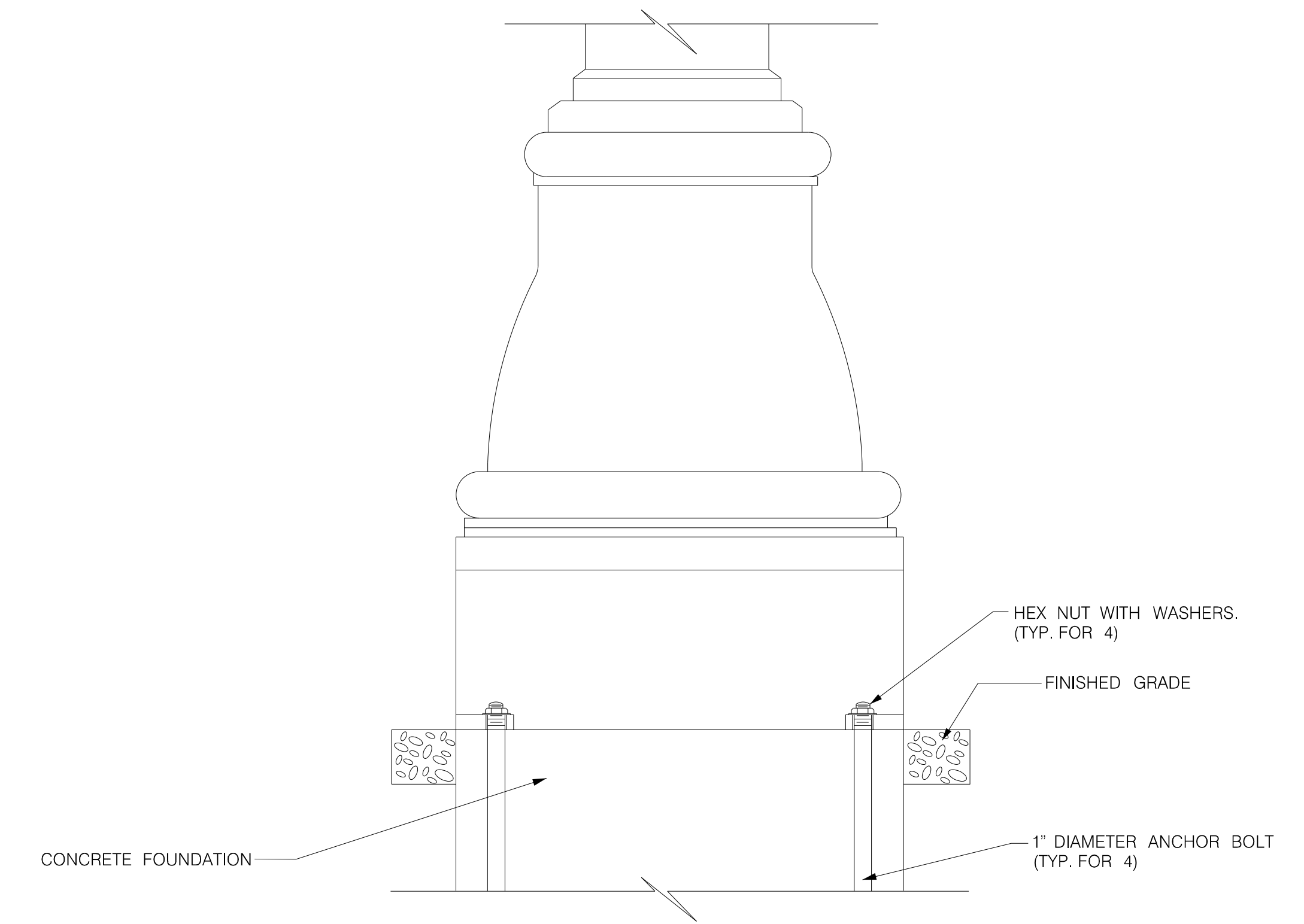
IN-LINE FUSE HOLDER WITH BREAKAWAY FEATURE DETAIL



POLE DETAIL



LIGHT POLE WIRING DETAILS



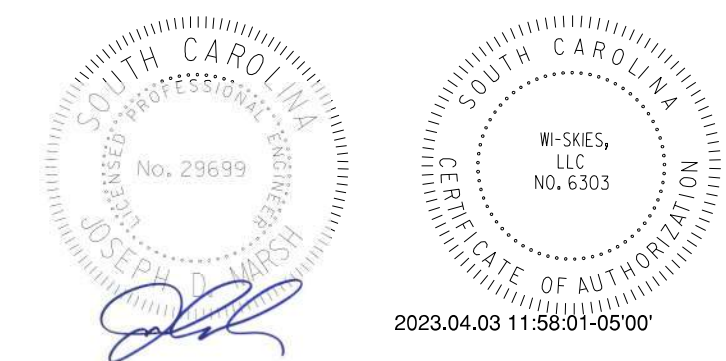
LIGHT POLE MOUNTING DETAIL

NOTES:

- SEE POLE FOUNDATION DETAILS ON SHEET LL8.
- ALL GROUND MOUNTED LIGHT POLES ARE TO BE MOUNTED ON FHWA APPROVED BREAKAWAY DEVICE.
- CONDUCTORS EXTENDED INTO POLE BASE SHALL BE OF SUFFICIENT LENGTH TO WITHDRAW SPLICES AND/OR ISOLATED JOINTS A MINIMUM OF 18" OUT OF THE POLE HANDHOLE.
- ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.



**INFRASTRUCTURE**  
CONSULTING & ENGINEERING

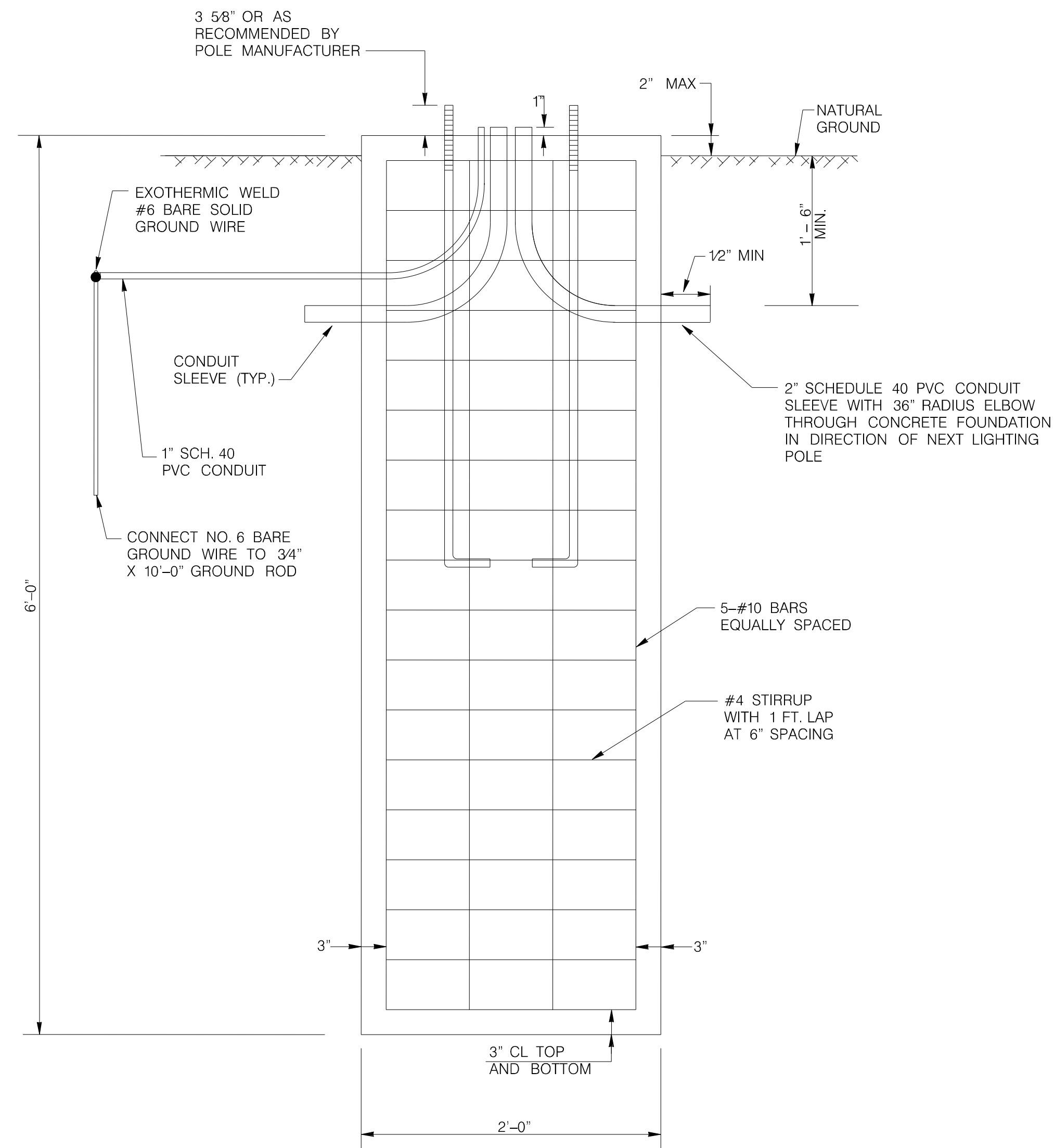


4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

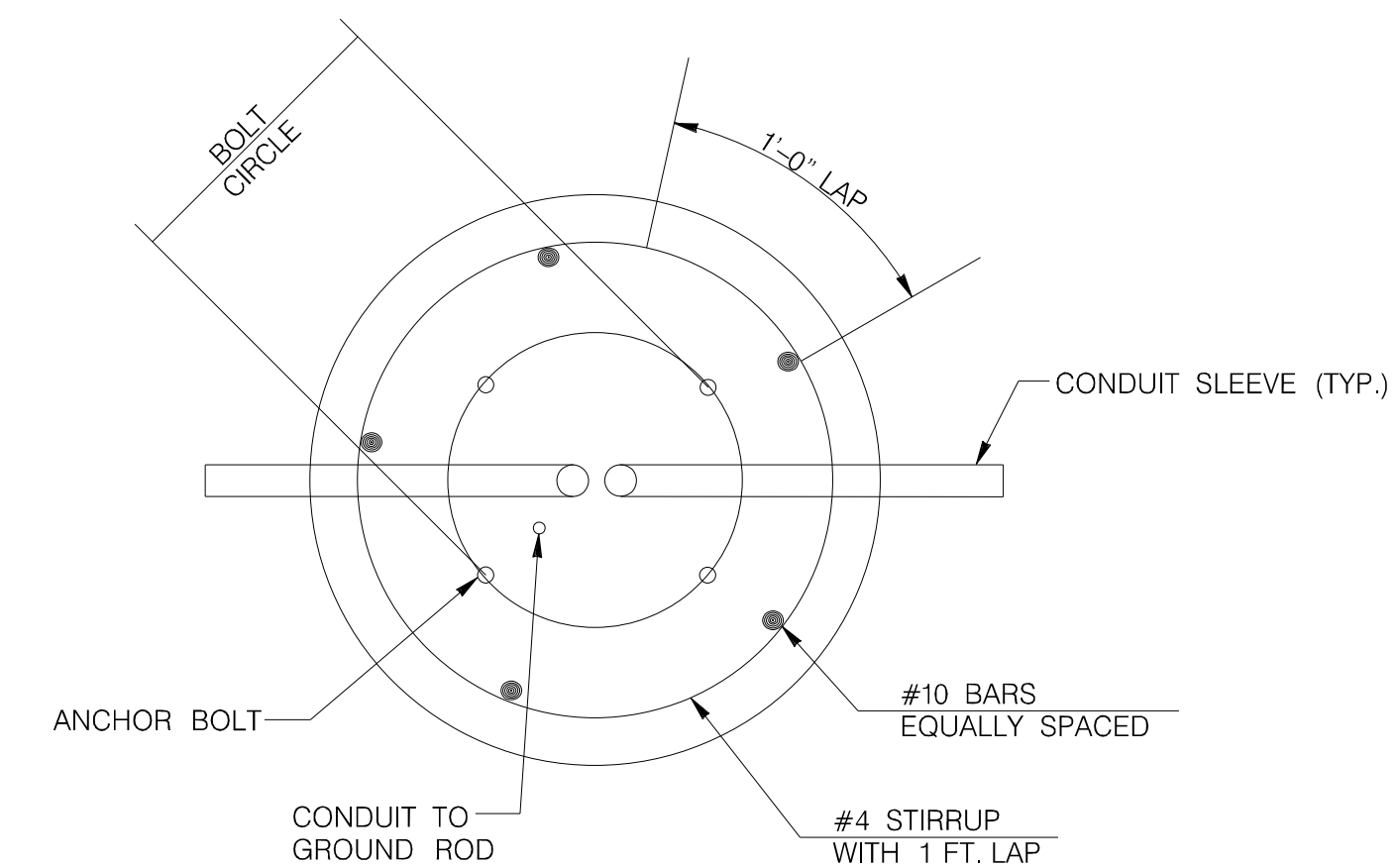
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET  
LIGHTING POLE DETAILS

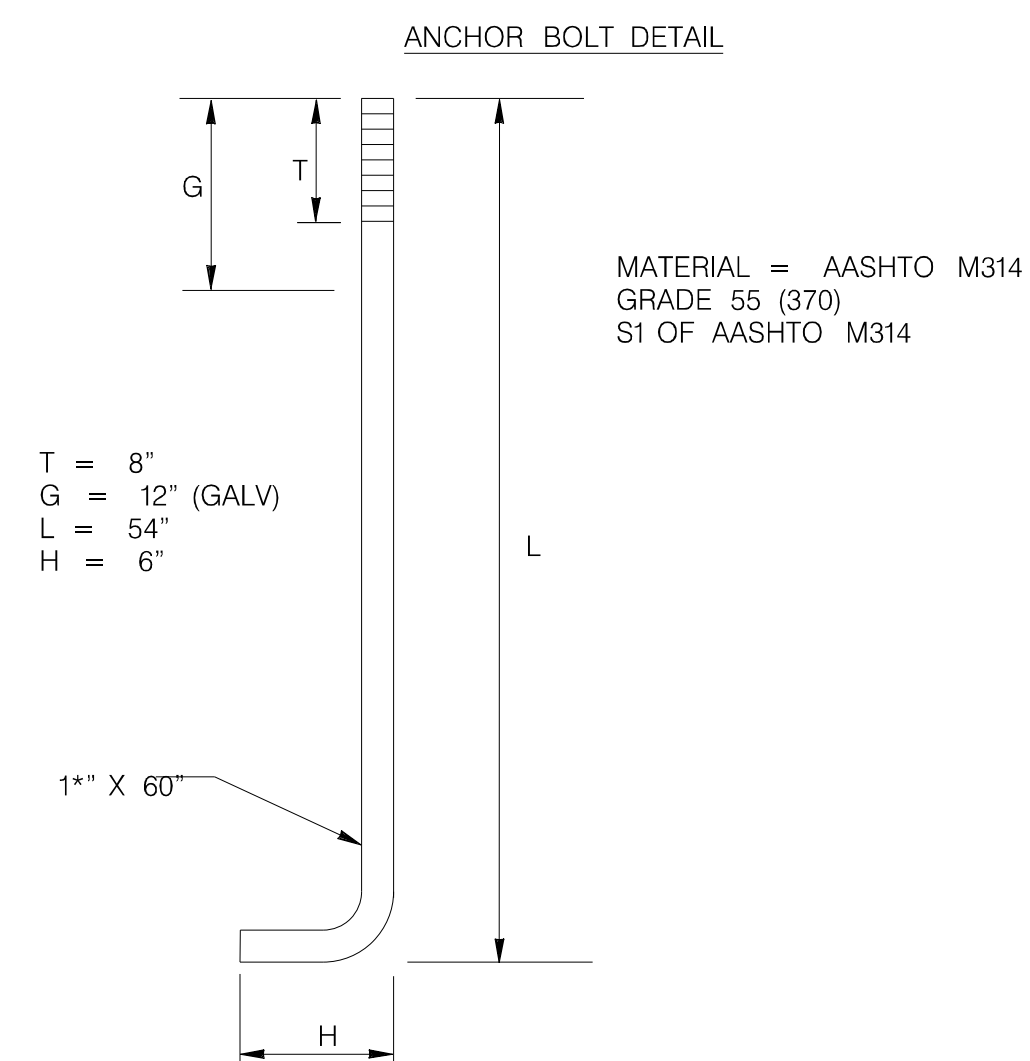
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL8



ELEVATION



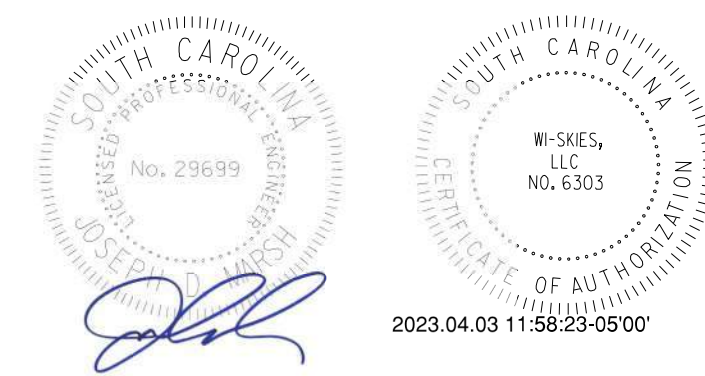
PLAN



NOTE:  
EACH 2' X 6' FOUNDATION REQUIRES:  
0.70 CU. YDS. CLASS A CONCRETE AND  
114 LBS OF BAR REINFORCING STEEL.  
THESE ARE CONSIDERED INCIDENTAL TO  
COST OF FOUNDATION.



**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

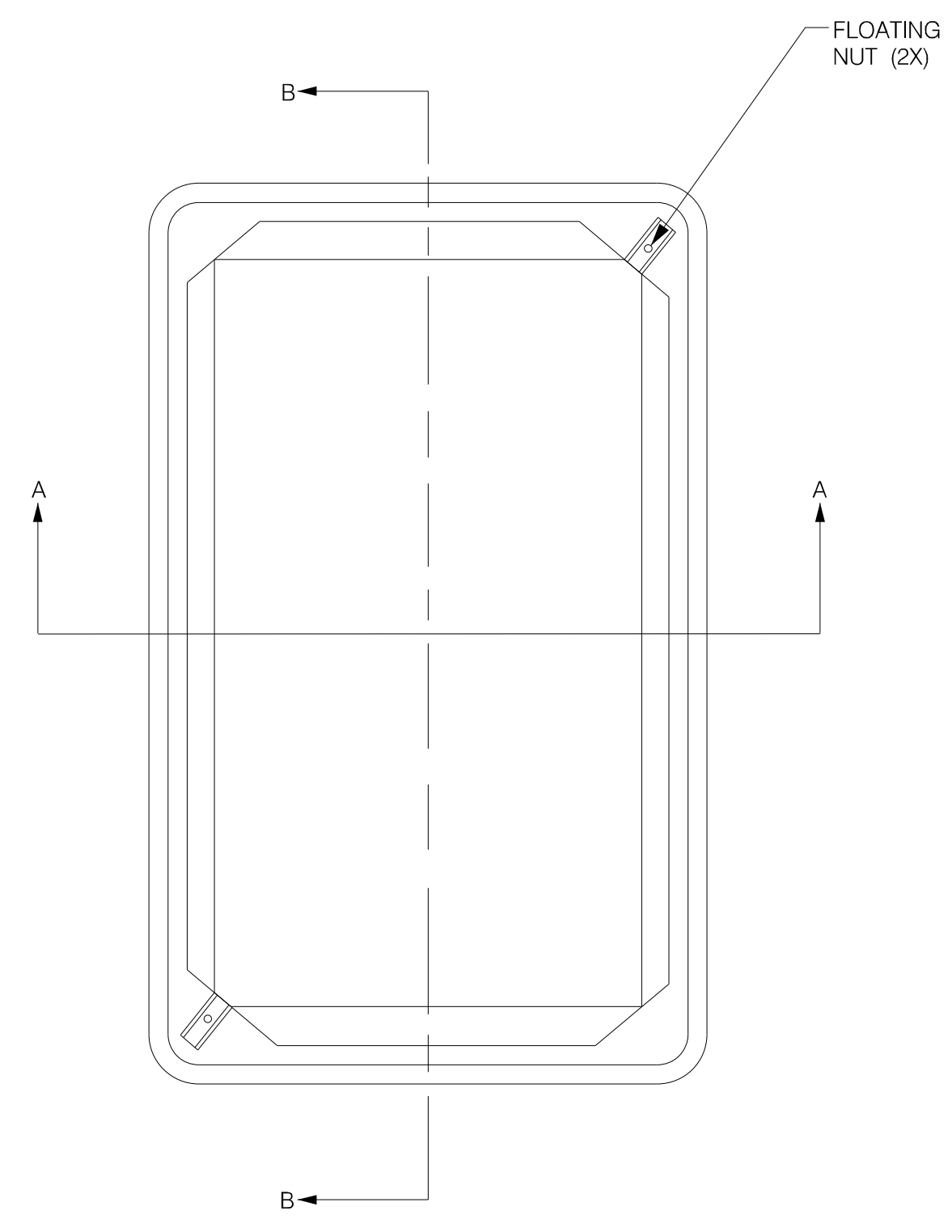


4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

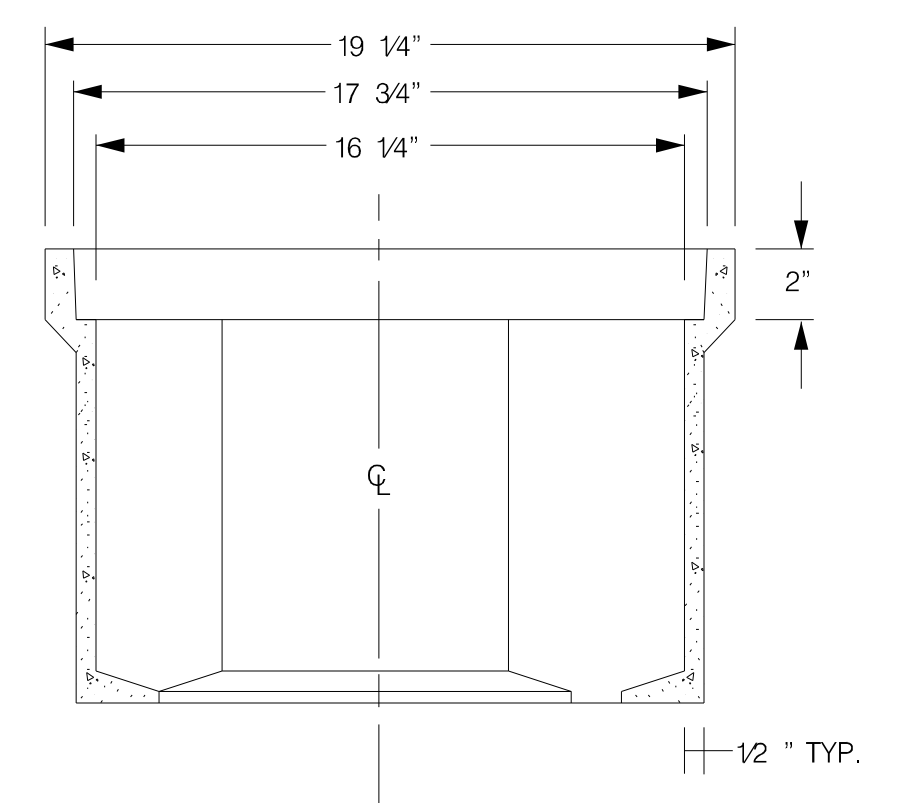
BEAUFORT COUNTY  
CITY OF BEAUFORT  
  
ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET  
POLE FOUNDATION DETAILS

SHEET LL8

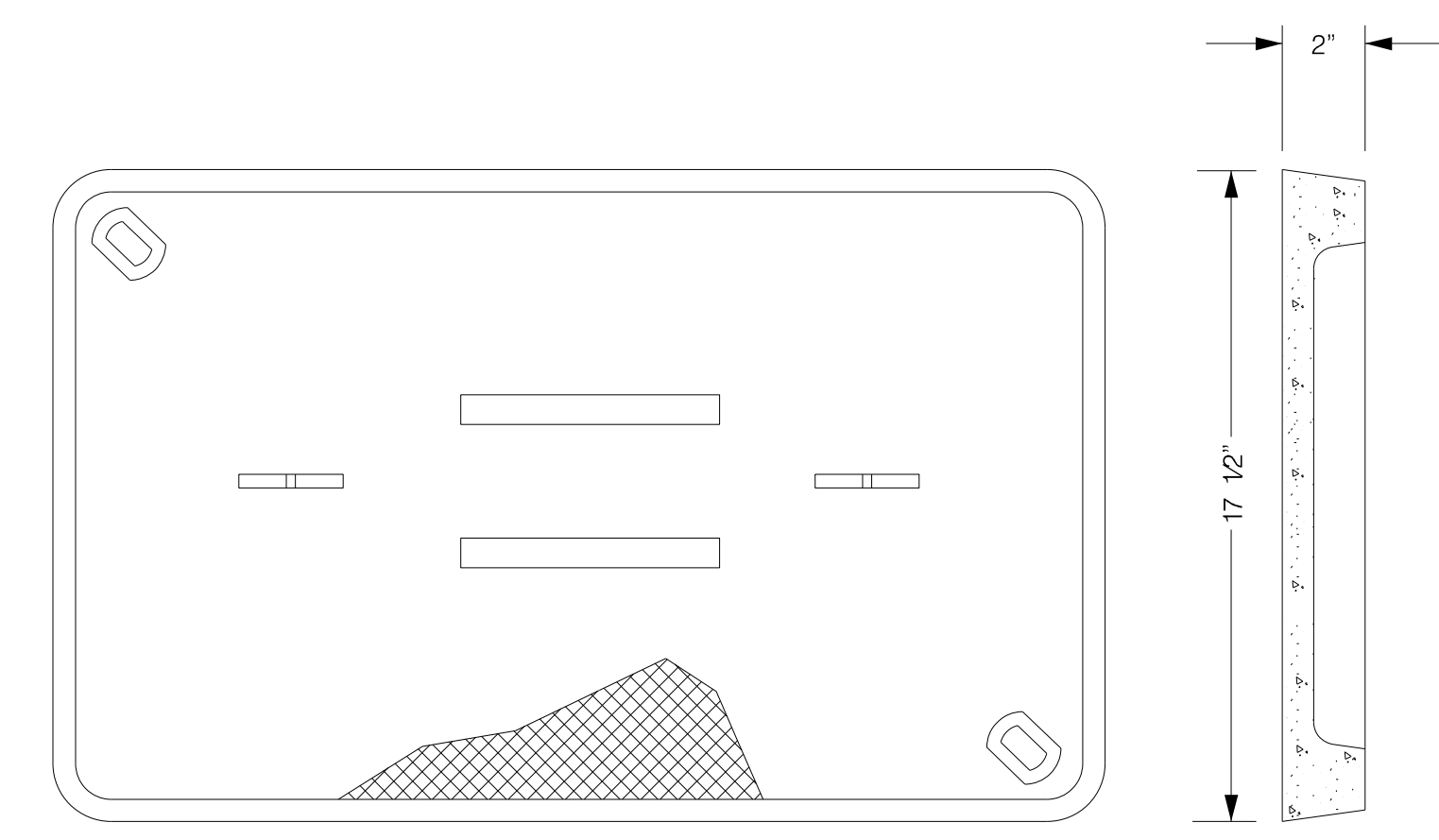
NOT TO SCALE



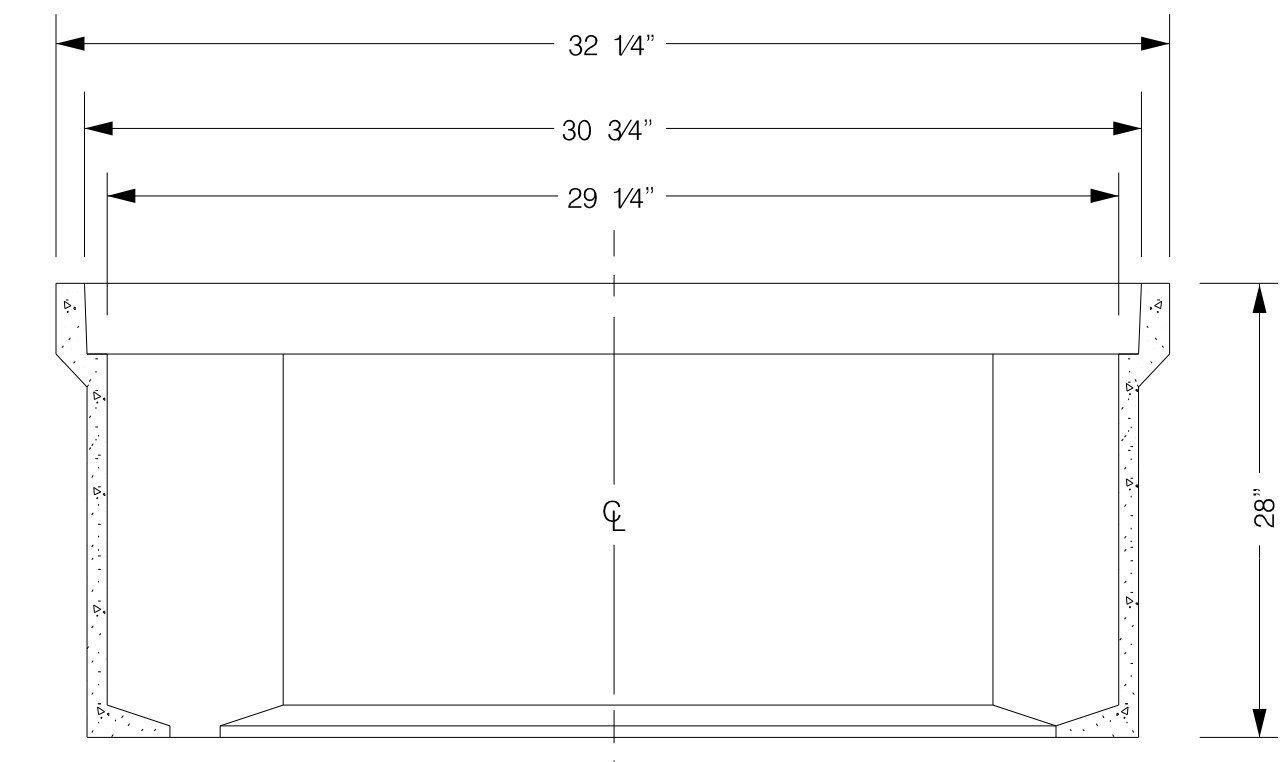
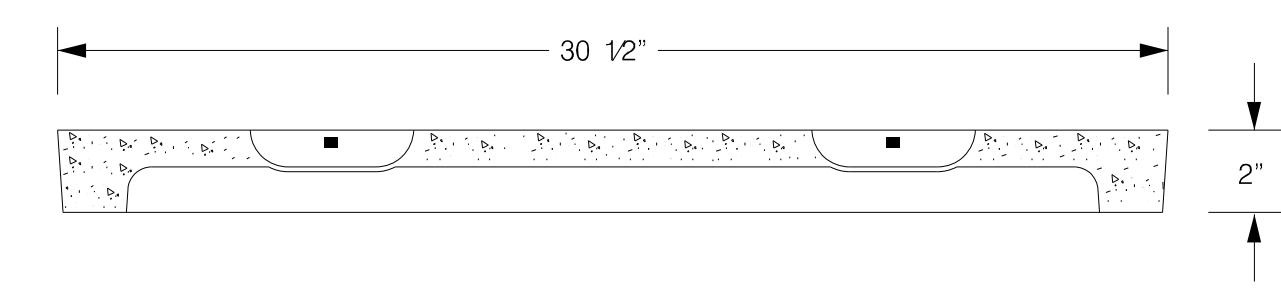
PLAN VIEW



SECTION A-A



POLYMER CONCRETE COVER

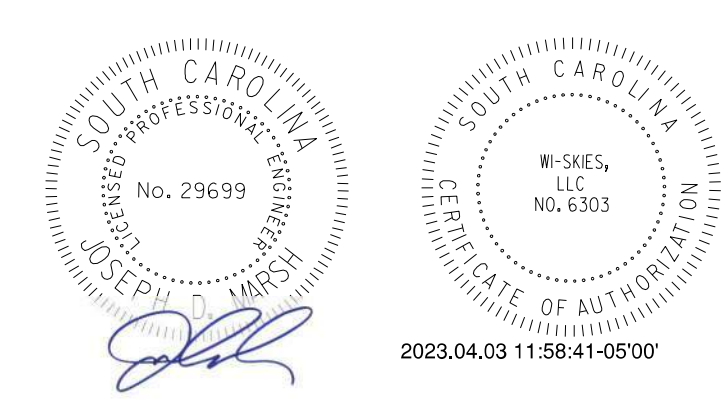


SECTION B-B

- NOTES:
- 1) POLYMER BOX TOP AND FRAME MAY HAVE A DIFFERENT CROSS SECTION THAN WHAT IS SHOWN.
  - 2) THERE SHALL BE NO CABLE SPLICING WITHIN PULL BOX. PULL BOX SHALL BE USED ONLY AS A CABLE PASS THROUGH.
  - 3) ALL PULL BOXES SHALL HAVE SCDOT ELECTRIC LOGO CAST ON THE LID.



**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



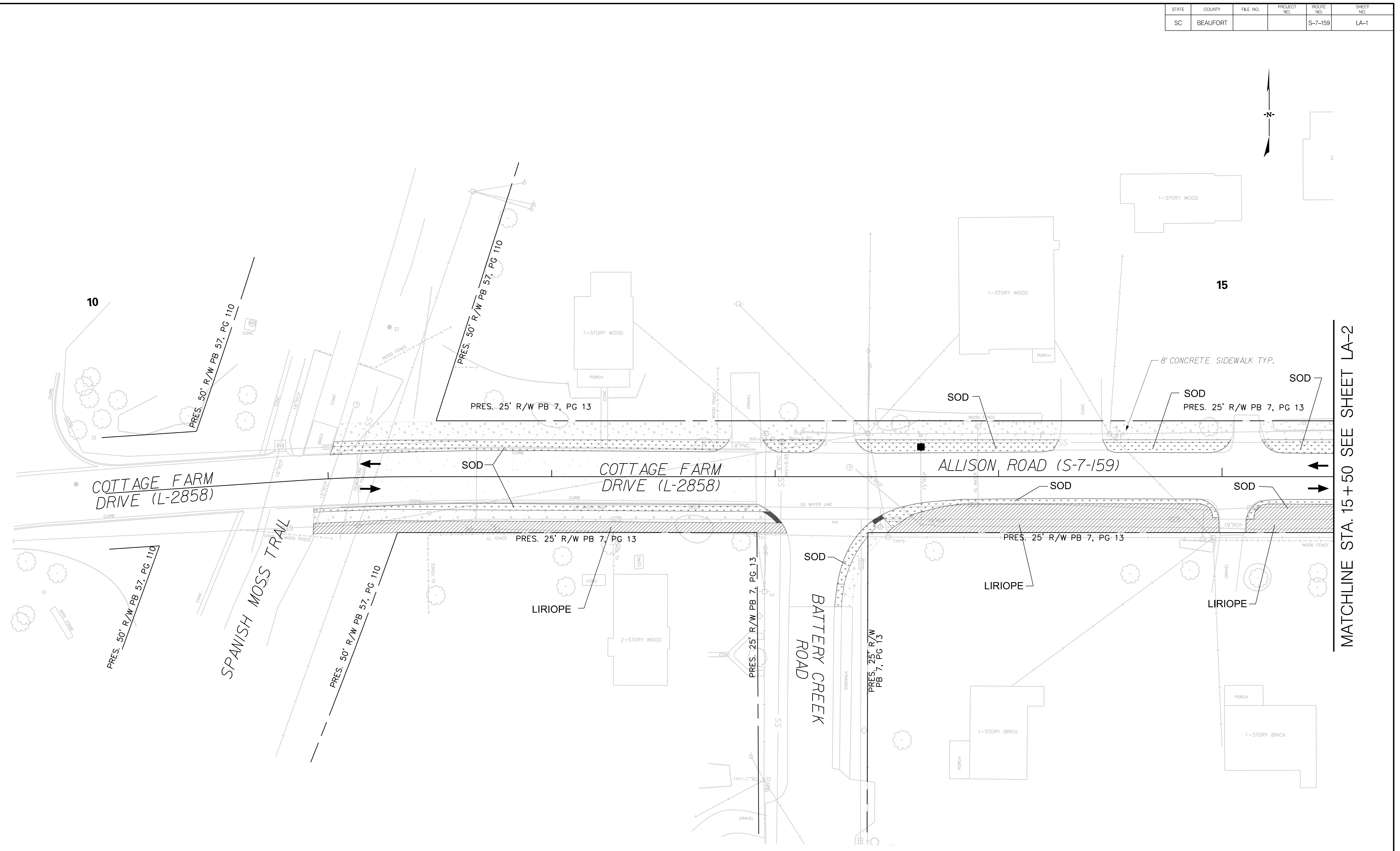
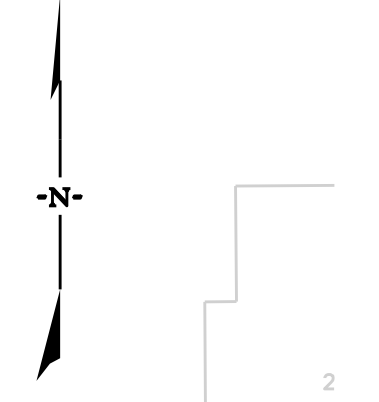
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LIGHTING PLAN SHEET  
JUNCTION BOX /PULL BOX DETAILS

SHEET LL9 NOT TO SCALE

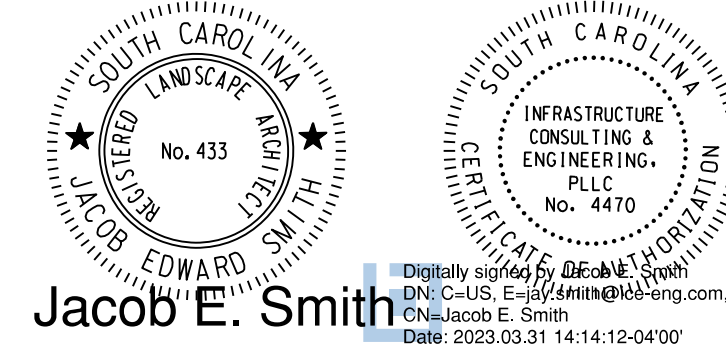
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LA-1



MATCHLINE STA. 15+50 SEE SHEET LA-2

G:\PROJECTS\17-05-City of Beaufort\IDC\17-05.19-Allison Rd\1-D-DESIGN\Roadway\Dgn\Plan\_Sheets\Landscape Plans\SHT\_LA1.dgn 3/31/2023

**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

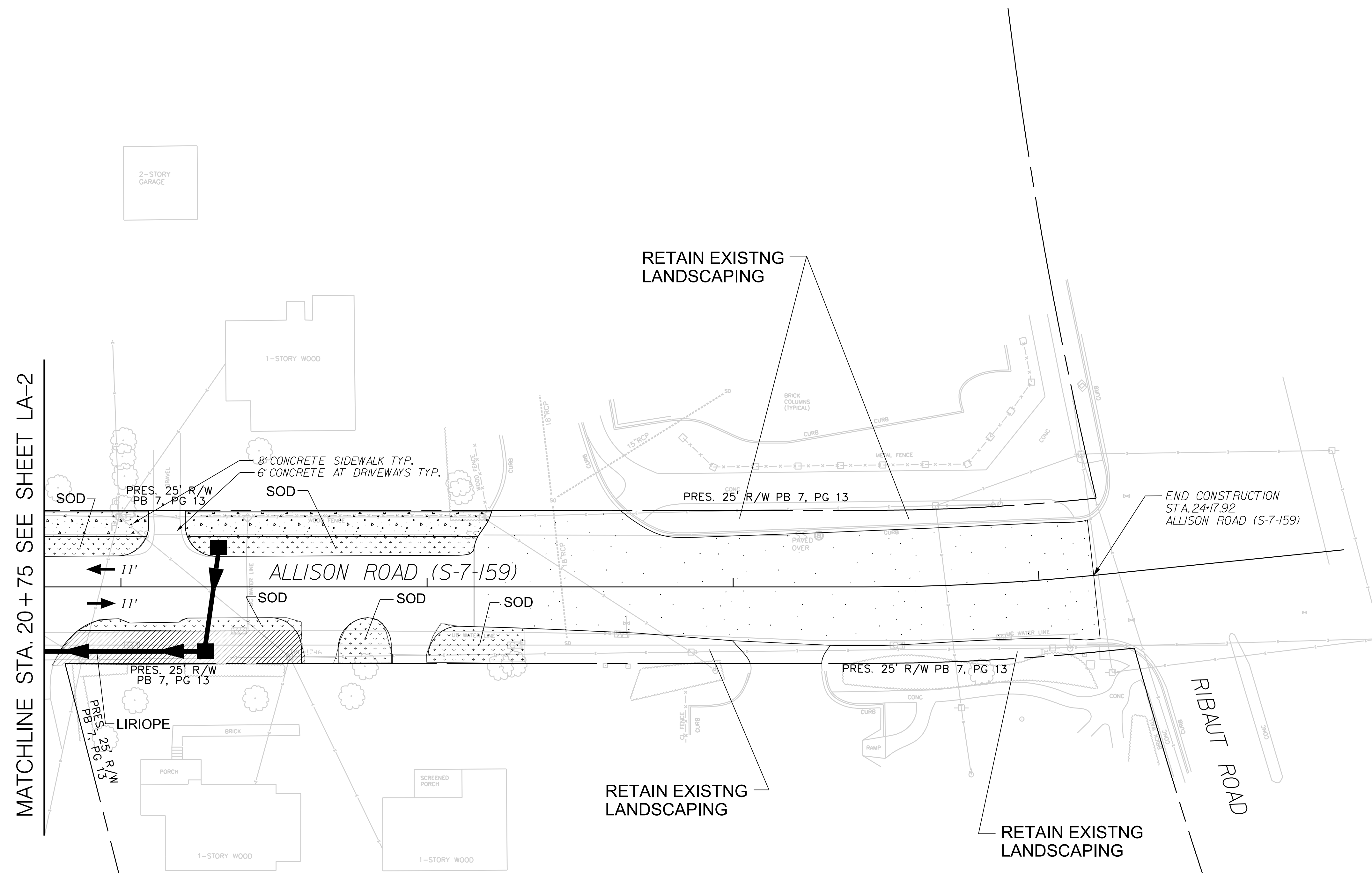
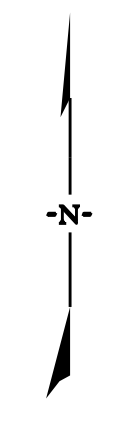
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LANDSCAPE PLAN





STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LA-3



MATCHLINE STA. 20+75 SEE SHEET LA-2

G:\PROJECTS\17-05-City of Beaufort\17-05.19-Allison Rd\DESIGN\Roadway\Dgn\Plan\_Sheets\Landscape Plans\LA3.dgn 3/31/2023

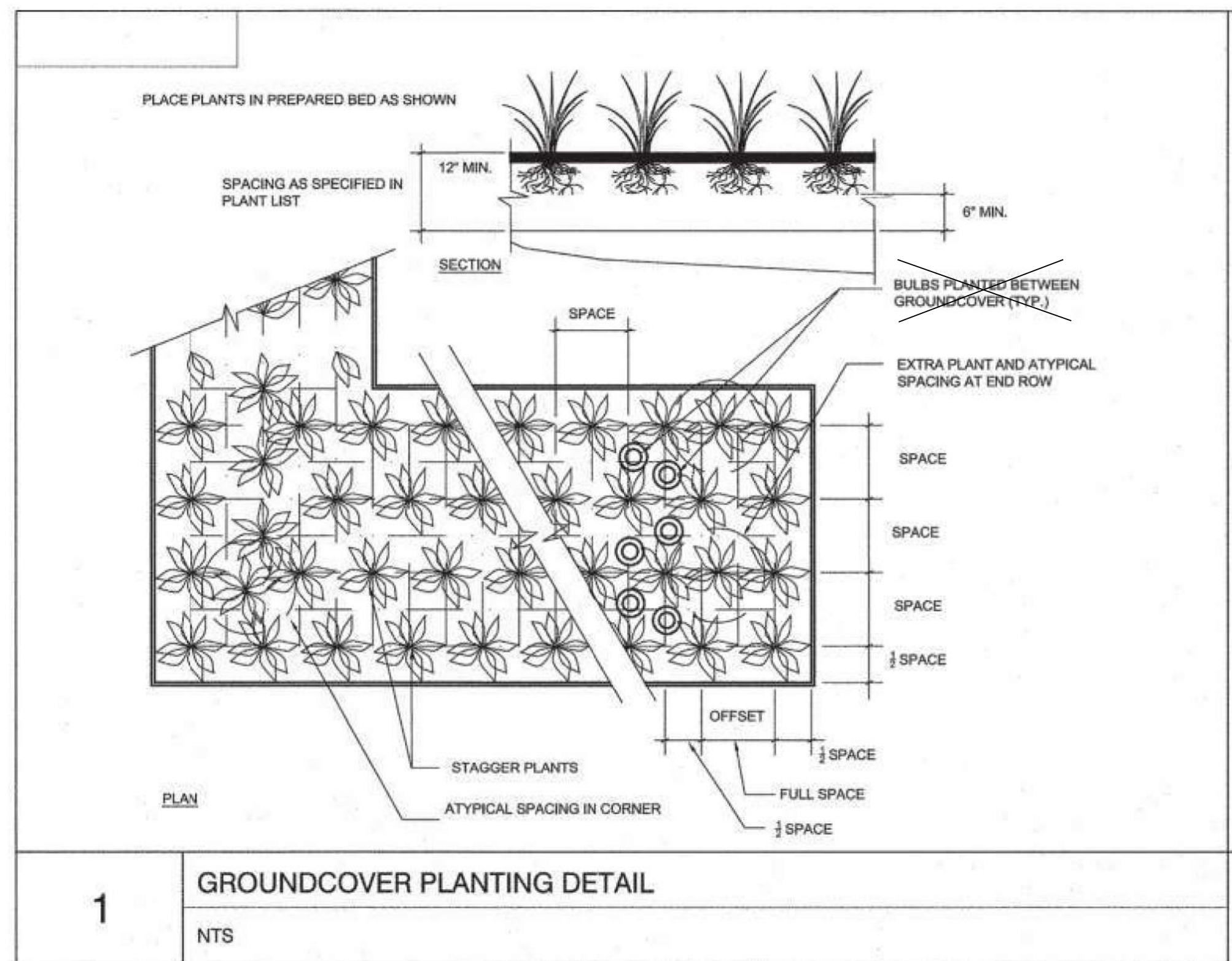
**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

Jacob E. Smith

4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
LANDSCAPE PLAN



**1** GROUNDCOVER PLANTING DETAIL  
NTS

NOTES: 1) COST OF MULCH TO BE INCLUDED IN UNIT PRICE FOR TREES, SHRUBS, AND GROUNDCOVER.

GENERAL NOTES

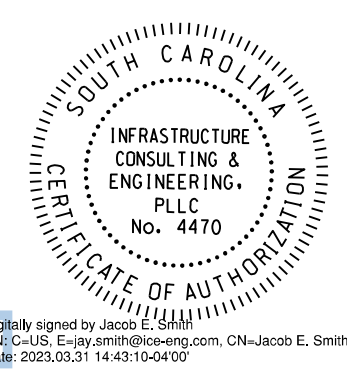
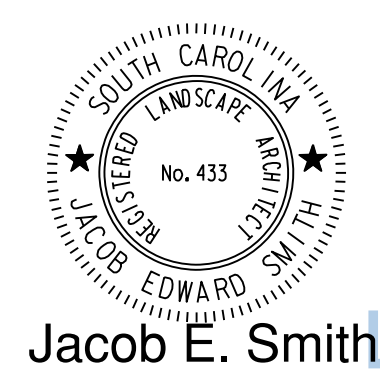
1. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOWS OR EXCEEDS A CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARDS FOR NURSERYSTOCK (ASNS).
2. ALL PLANTS SHALL HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
3. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PERCENT OF THIS YEARS VERTICAL GROWTH (TOPCANDLE).
4. THE LANDSCAPE CONTRACTOR IS HEREBY NOTIFIED OF THE EXISTENCE OF UNDERGROUND UTILITIES WITHIN THE LIMITS OF THE PROJECT AREA. THE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCEMENT OF DIGGING OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING, AND REPAIRING ALL DAMAGE TO BUILDINGS, UTILITIES, PAVEMENT, AND CURB GUTTER. ANY REPAIRS SHALL BE DONE PROMPTLY AT CONTRACTORS EXPENSE.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO OPENING ANY PLANTING PITS.
6. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL FILL THE BOTTOM OF HOLES WITH SIX (6) INCHES OF WATER. THIS WATER SHOULD PERCOLATE WITHIN A TWENTY FOUR (24) HOUR PERIOD.
7. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARDPANS, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS. OTHERWISE, THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE FOR PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
8. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE SITE AT THE COMPLETION OF THE PROJECT AND SHALL MAINTAIN THE SITE IN A REASONABLY NEAT AND CLEAN STATE THROUGHOUT THE INSTALLATION PROCESS. STREETS AND PAVED AREAS SHALL BE CLEANED REGULARLY TO REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS RESULTING FROM WORK OF THE PROJECT.
9. PLANTS SHALL BE GUARANTEED FOR A MINIMUM OF ONE (1) FULL YEAR AFTER THE FORMAL ACCEPTANCE OF THE PLANTING BY THE OWNER AND SHALL BE ALIVE AND IN SATISFACTORY GROWTH AT THE END OF THE GUARANTEE PERIOD. ANY PLANT NOT IN A HEALTHY AND VIGOROUS STATE AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO COST TO THE OWNER. PLANTS SEVERELY DAMAGED BY VANDALS ARE NOT SUBJECT TO REPLACEMENT BY THE CONTRACTOR.
10. REPLACEMENTS OF DEAD OR UNSATISFACTORY MATERIAL SHALL BE MADE AS SPECIFIED IN THE PLANT LIST. THE OWNER OR LANDSCAPE ARCHITECT SHALL INSPECT REPLACED PLANTS WHEN ALL REPLACEMENTS HAVE BEEN MADE. REPLACEMENTS ARE TO BE ALIVE AND IN A HEALTHY CONDITION WHEN THE REPLACEMENTS ARE COMPLETE. REPLACEMENTS ARE NOT SUBJECT TO AN ADDITIONAL GUARANTEE, BUT THE LANDSCAPE CONTRACTOR SHALL CONSULT WITH THE LANDSCAPE ARCHITECT ON REASON FOR PLANT DECLINE / DEATH AND HOW TO AVOID FUTURE INSTANCES.
11. SHOULD THE CONTRACTOR NOT MAKE REPLACEMENTS IN A SATISFACTORY AND TIMELY FASHION IN ACCORDANCE WITH THE PLANTING NOTES, THE OWNER, AFTER PROPER NOTIFICATION TO THE CONTRACTOR MAY UTILIZE THE FUNDS OF THE RETAINAGE TO HAVE THE REPLACEMENTS MADE BY ANOTHER CONTRACTOR, IN ACCORDANCE WITH THE SPECIFICATIONS
12. NO EXCAVATED PLANTING PITS SHALL BE LEFT UNATTENDED OVERNIGHT.
13. PLANT MATERIAL QUANTITIES PROVIDED ARE FOR REFERENCE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL MATERIAL TAKE OFFS. DISCREPANCIES BETWEEN QUANTITIES SHOWN ON THE PLANTING PLAN AND THOSE IN THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. IF CLARIFICATION OF DISCREPANCIES FROM THE LANDSCAPE ARCHITECT IS NOT POSSIBLE, THE QUANTITIES SHOWN ON THE PLANTING PLAN SHALL TAKE PRECEDENCE.

PLANT LIST - ALL SHEETS

KEY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	BALL/CONT.	QUANTITY EACH
		LIRIOPE MUSCARI	LIRIOPE	3' O. C.	CONT. 8" x 12"	830
SOD		CENTIPEDE SOD	CENTIPEDE SOD	SY		1000 (SY)

14. REMOVE BURLAP / STRAPPING AND WIRE BASKET FROM TOP OF ROOT BALL ON TREES.
15. REMOVE PAPER, PLASTIC, OR METAL AROUND ROOTBALLS OF SHRUBS.
16. DO NOT WRAP TREES.
17. WATER ALL PLANT MATERIAL IMMEDIATELY AFTER PLANTING. FOR TREES, WATER IN ONCE AFTER BACKFILLING OF THE PLANTING HOLE. THEN WATER IN AGAIN UPON BRINGING BACKFILL TO FINAL GRADE.
18. TREE GUYING MATERIAL SHALL BE 'ARBOR TIE' OR EQUIVALENT. IF TREE GUYING IS NECESSARY, ALL SHALL BE REMOVED AFTER ONE YEAR.
19. ALL PLANT BEDS TO BE MULCHED WITH 3" OF DOUBLE SHREDDED HARDWOOD MULCH. TWO (2) APPLICATIONS OF MULCH, ONE IMMEDIATELY FOLLOWING PLANT INSTALLATION AND THE OTHER AT END OF THE ONE (1) YEAR ESTABLISHMENT PERIOD. ALL PLANT BEDS SHALL RECEIVE 5.0 OZ OF WEED FABRIC. COST OF MULCH AND WEED FABRIC TO BE INCLUSIVE IN UNIT PRICE OF ALL PLANTINGS.
20. ALL AREAS OF PLANTING, INCLUDING AREAS OF GRASS SEEDING AND SOD, SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AND SHALL BE PROVIDED APPROPRIATE SOILS OR THE PROPOSED PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL ADJUST PH AND / OR SOIL FERTILITY BY UNIFORMLY INCORPORATING REQUIRED SOILS CONDITIONING MATERIALS AT THE RATE AND DEPTH DETERMINED BY THE ANALYSIS OF THE SOIL TEST (AS REQUIRED IN 3.02 AND 3.12 OF THE LANDSCAPING SPECIFICATIONS). EACH SOILS TEST SHALL BE SPECIFIC TO THE PROPOSED PLANT MATERIAL TO BE INSTALLED IN A GIVEN AREA.
21. ALL EXISTING VEGETATION WITHIN AREAS TO BE PLANTED / SODDED / SEEDDED SHALL BE REMOVED PRIOR TO PLANTING / SODDING / SEEDING. ALL AREAS INDICATED TO BE GRASS SEED SHALL BE HYDRO - SEEDDED PER THE GRASSING SPECIFICATIONS FOR PERMANENT STABILIZATION.
22. CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY WATERING FOR ALL PLANT MATERIAL DURING ESTABLISHMENT PERIOD. THERE WILL BE NO SEPARATE PAY APP. NUMBER PROVIDED.
23. CONTRACTOR SHALL INCLUDE ONE (1) YEAR MAINTENANCE/ WATERING OF PLANT MATERIAL IN THE COST OF THE PROJECT.
24. ALL PROPOSED PLANTINGS SHALL BE A MINIMUM OF A 1.5' OFFSET FROM THE EDGE OF THE ADJACENT BACK OF CURB, SIDEWALK, OR PROPOSED HARDSCAPE SURFACE TO NEAREST OUTSIDE EDGE OF THE PROPOSED PLANTINGS.

G:\PROJECTS\17-05-19-Allison Rd\17-05-19-Allison Rd\17-05-19-DESIGN\Roadway\Dgn\Plan\_Sheets\Landscape Plans\SHT\_LA4 details.dgn 3/31/2023



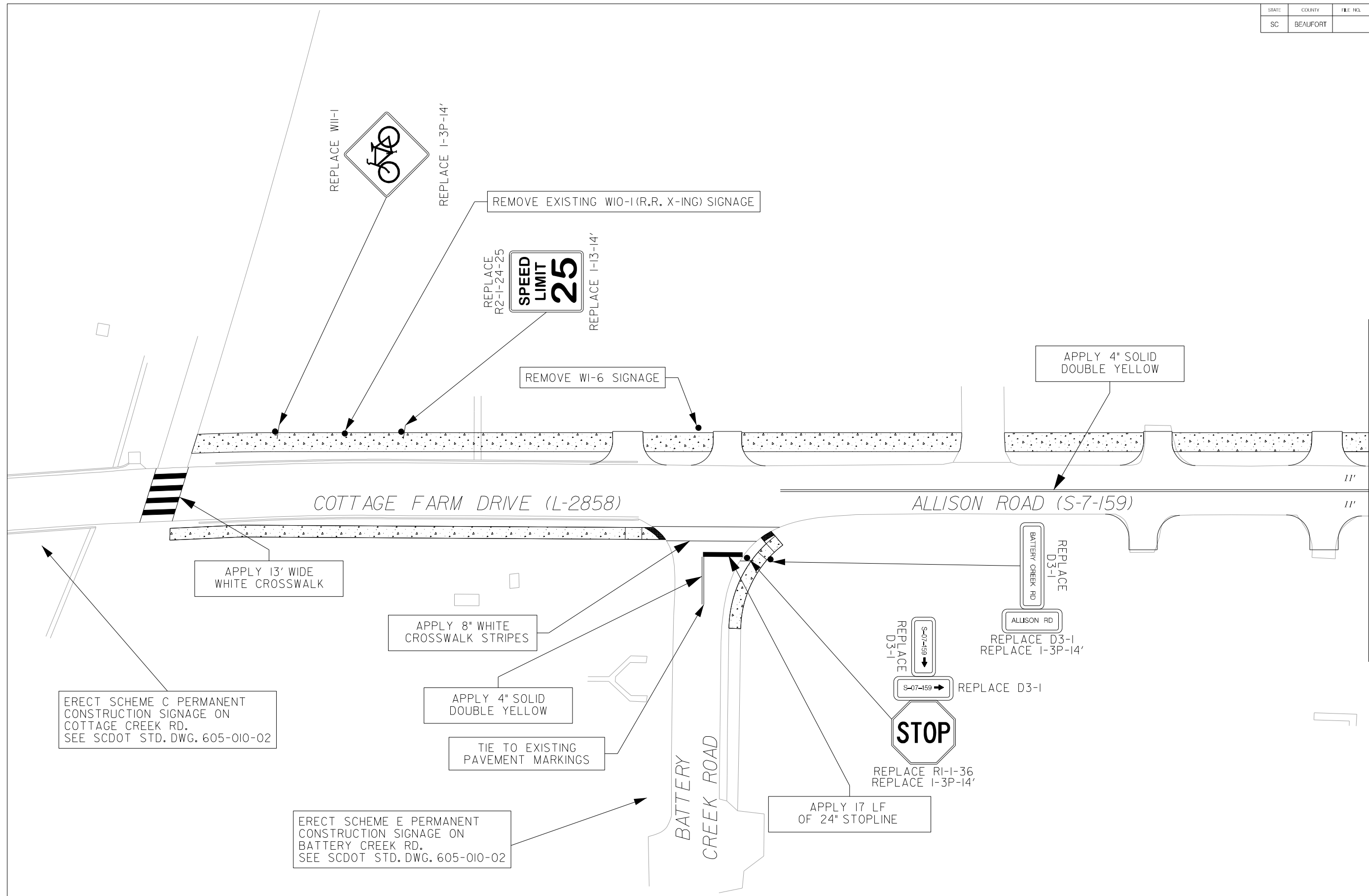
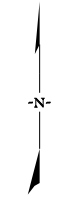
4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
NOTES AND DETAILS SHEET

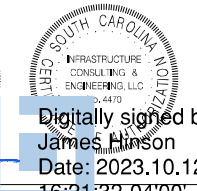
SHEET LA-4      SCALE: NTS

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	PM1



MATCHLINE STA. 16+00 SEE SHEET PM2

**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



Digitally signed by James Hinson  
Date: 2023.10.12 16:21:32-04'00'

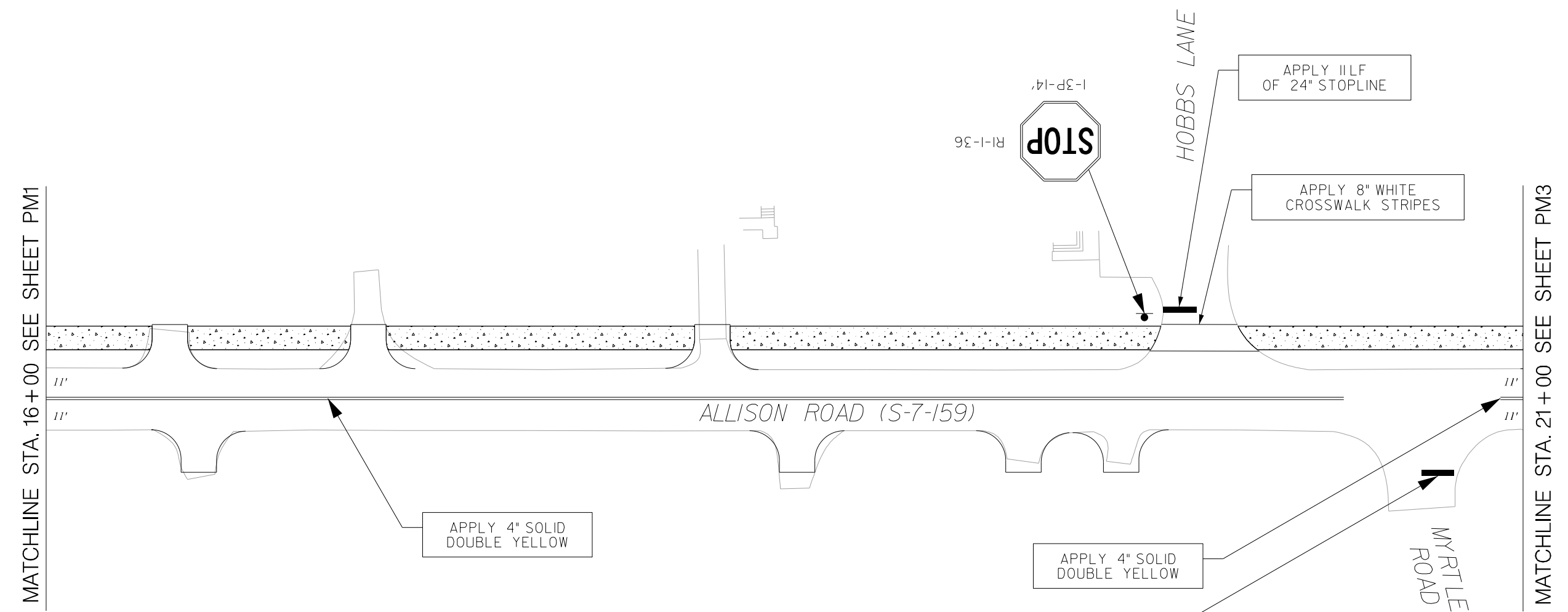
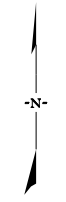
4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
PAVEMENT MARKING &  
SIGNAGE SHEET

SHEET PM1 SCALE: 1" = 20'

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	PM2



MATCHLINE STA. 16+00 SEE SHEET PM1

MATCHLINE STA. 21+00 SEE SHEET PM3

**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



Digitally signed by James Hinson  
Date: 2023.10.12 16:21:35-04'00'

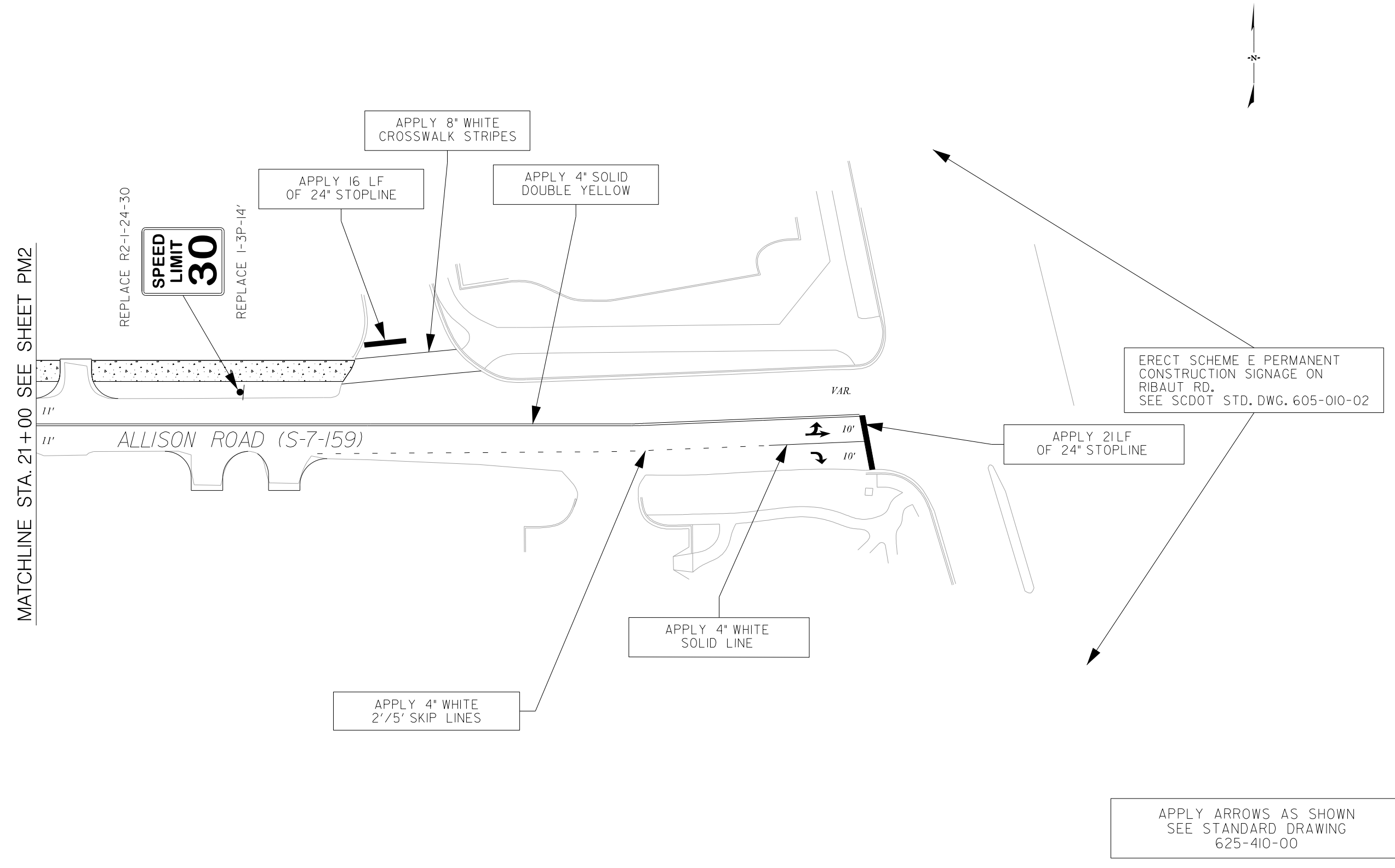
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
PAVEMENT MARKING &  
SIGNAGE SHEET

SHEET PM2      SCALE: 1" = 20'

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	PM3



MATCHLINE STA. 21+00 SEE SHEET PM2

ALLISON ROAD (S-7-159)

VAR.

ERECT SCHEME E PERMANENT CONSTRUCTION SIGNAGE ON RIBAUT RD. SEE SCDOT STD. DWG. 605-010-02

APPLY 21LF OF 24" STOPLINE

APPLY 4" WHITE SOLID LINE

APPLY 4" WHITE 2'/5' SKIP LINES

APPLY ARROWS AS SHOWN SEE STANDARD DRAWING 625-410-00

**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



Digitally signed by James Hinson  
Date: 2023.10.12 16:21:37-04'00'

4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
PAVEMENT MARKING &  
SIGNAGE SHEET

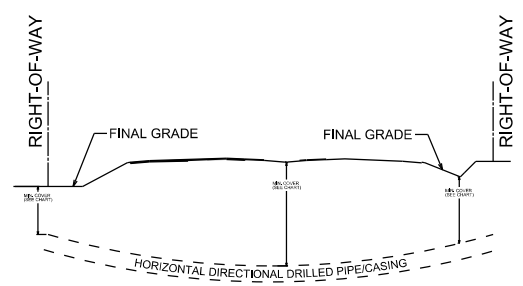
SHEET PM3 SCALE: 1" = 20'



STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	DB-A

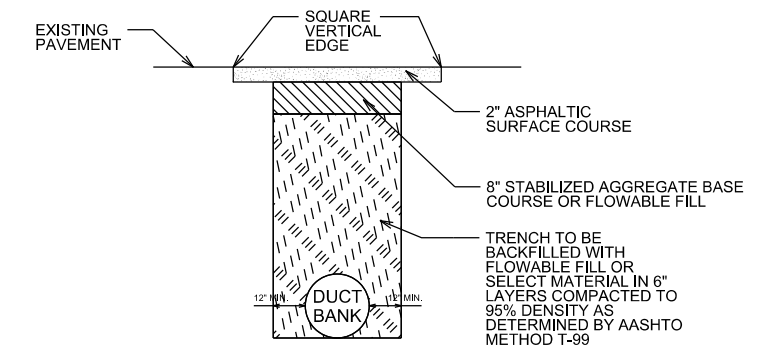
\* NOTES:

1. DUCT BANK CROSS SECTIONS ARE TYPICAL AND MAY BE ALTERED BY THE CONTRACTOR FOR PURPOSE OF MORE LOGICAL, EFFICIENT ROUTING, OR TO AVOID CONFLICT WITH OTHER UTILITIES. ALL CHANGES AND FINAL ROUTINGS SHALL BE DOCUMENTED IN RECORD DRAWINGS.
2. CONTRACTOR MAY USE HORIZONTAL DIRECTIONAL DRILL METHOD TO INSTALL ALL OR PARTS OF CONDUIT RUNS. SEE DETAIL FOR COVER REQUIREMENTS. MUST MEET ALL OTHER SCDOT UAM REQUIREMENTS.
3. PROVIDE QUANTITY AND RACEWAY DESIGNATIONS AS NOTED ON TYPICALS FOR EACH SECTION OF DUCT BANK. CONDUIT UNIT COST IS ALL INCLUSIVE OF SWEEPS, BENDS, TURN-UPS, TERMINALS, PROOFING, AND ALL OTHER NECESSARY ITEMS TO PROVIDE READY MADE CONDUIT SYSTEM FOR THE COMMUNICATION COMPANY TO PULL CABLE.
4. THE LOCATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE UTILITY INFORMATION SHOWN. IT IS THEREFORE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE PROPER COORDINATION WITH THE VARIOUS UTILITY OWNERS HAS BEEN PERFORMED.
5. EXISTING UTILITIES SHOWN ARE FOR INFORMATION ONLY. CONTRACTOR TO CONFIRM DEPTHS AND ADJUST ACCORDINGLY. CONTRACTOR SHALL MEET ALL MINIMUM BENDING RADII.
6. BEFORE DIGGING, CONTACT SC811 UNDERGROUND UTILITY LOCATE SERVICE.
7. BEFORE DIGGING IN THE VICINITY OF GAS LINES, NOTIFY UTILITY AND COMPLY WITH INSTRUCTIONS AND PRECAUTIONS FOR EXCAVATION AND PROTECTION OF SUCH LINES.
8. BEFORE DIGGING IN THE VICINITY OF COMMUNICATIONS LINES, INCLUDING FIBER OPTIC, THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE SCHEDULE FOR AND EXTENT PLANNED EXCAVATIONS. COMPLY WITH OWNER'S DIRECTIONS REGARDING REQUIREMENTS FOR IDENTIFYING AND CONSTRUCTING AROUND SUCH LINES.
9. PROVIDE PULL ROPE IN ALL EMPTY RACEWAYS.
10. ALL TURNS SHALL BE MINIMUM 48" RADIUS SWEEP BEND TYPE.
11. ALL CONDUITS MIN. 42" BELOW FINISHED GRADE.
12. MAINTAIN 18" MIN. VERTICAL CLEARANCE FROM ALL EXISTING & PROPOSED UTILITIES AND STORM DRAINAGE.
13. HARGRAY AND BRIGHTSPEED TO PROVIDE HANDHOLES. CONTRACTOR TO CONTACT HARGRAY AND BRIGHTSPEED UPON NOTICE TO PROCEED TO COORDINATE AND SCHEDULE DELIVERY OF HANDHOLES.
14. CAP ALL EMPTY CONDUITS IN THE HANDHOLES AND LABEL BOTH ENDS WITH BRASS MARKER TAG.
15. THE JOINT UTILITY DUCT BANK CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES PRIOR TO INSTALLATION OF ANY DUCT BANK, HANDHOLES, OR ASSOCIATED WORK TO AVOID CONFLICTS.
16. CONTRACTOR SHALL HOLD FIELD MEETING TO REVIEW EXACT LOCATIONS OF ALL TURN-UPS AND TERMINAL LOCATIONS PRIOR TO BEGINNING CONDUIT PLACEMENT.
17. COORDINATE WITH UTILITY COMPANIES FOR TRANSITION POLE LOCATIONS AS REQUIRED FOR UNDERGROUND TO ABOVEGROUND TRANSITIONS.
18. CONTRACTOR SHALL PROVIDE JOINT DUCT BANK UTILITY COMPANIES A 15 BUSINESS DAY NOTICE THAT A PORTION OF THE UTILITY WORK WILL BE IN PLACE AND READY FOR CUT OVERS TO ALLOW UTILITY COMPANIES TO SCHEDULE STAFF TO PULL WIRE AND TO PERFORM SPlicing AND CUT OVERS.
19. BRIGHTSPEED AND HARGRAY TURNOUTS TO BE PLACED BACKSIDE OF PATH INSIDE OF RIGHT OF WAY.
20. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND SERVICES NECESSARY TO CONVERT THE ELECTRICAL SERVICES FROM OVERHEAD TO UNDERGROUND FROM THE DOMINION ENERGY SERVICE POINT TO THE RESIDENTIAL STRUCTURES.

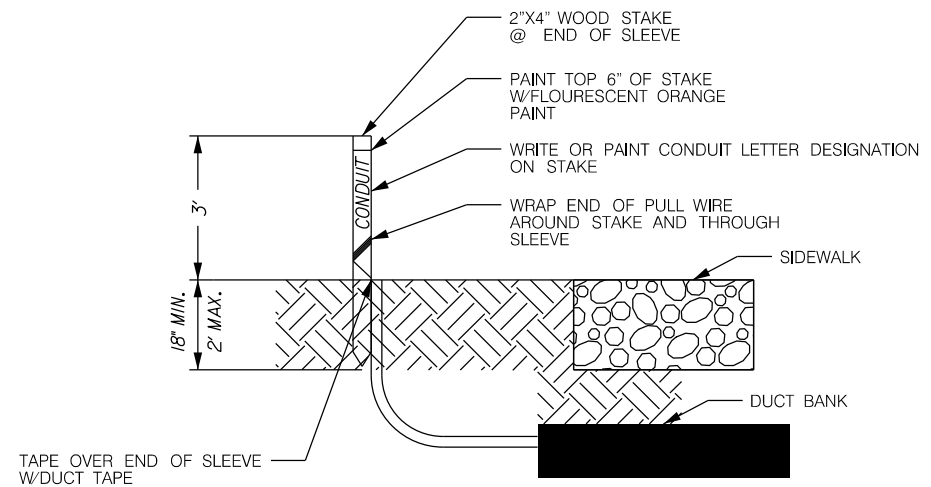


CASING/CARRIER PIPE DIAMETER	MINIMUM COVER
GREATER THAN 2 INCHES UP TO 6 INCHES	4 FEET
GREATER THAN 6 INCHES UP TO 14 INCHES	10 FEET
GREATER THAN 14 INCHES UP TO 24 INCHES	15 FEET
GREATER THAN 24 INCHES UP TO 48 INCHES	25 FEET

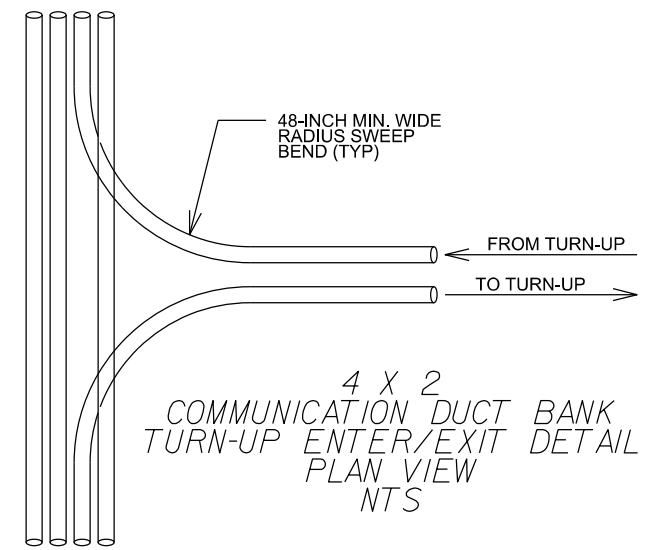
SCDOT UAM HORIZONTAL DIRECTIONAL DRILL MINIMUM COVER REQUIREMENTS DETAIL NTS



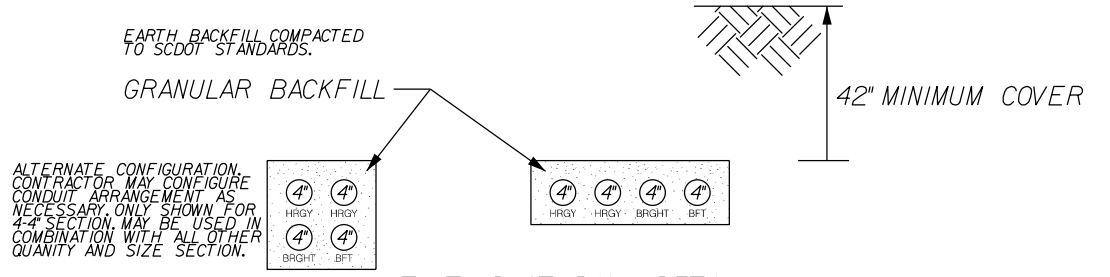
SCDOT UAM OPEN CUT REPAIR FOR LOW VOLUME ASPHALT PAVEMENT & DRIVEWAYS DETAIL NTS



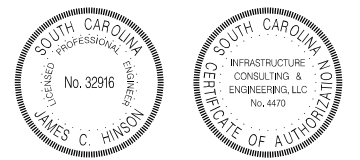
CONDUIT TERMINAL NTS



4 X 2 COMMUNICATION DUCT BANK TURN-UP ENTER/EXIT DETAIL PLAN VIEW NTS



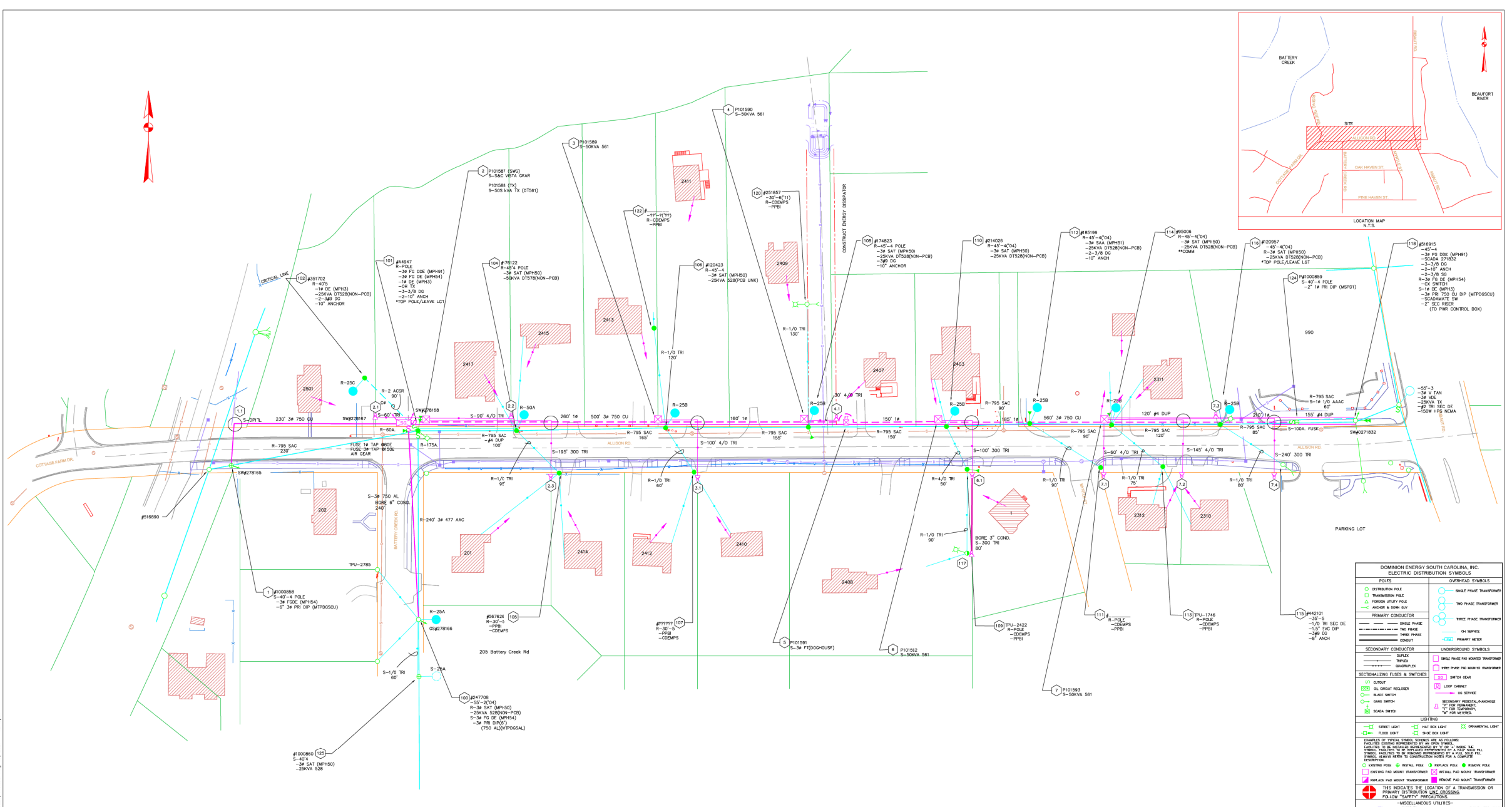
UTILITY DUCT BANK DETAIL NTS



4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY CITY OF BEAUFORT	
ALLISON ROAD (S-7-159) DUCT BANK DETAILS	
SHEET DB-A	SCALE: NTS





\*\*\*PRIME ROADWAY CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND SERVICES NECESSARY TO CONVERT THE ELECTRICAL SERVICES FROM OVERHEAD TO UNDERGROUND FROM THE DOMINION ENERGY SERVICE POINT TO THE RESIDENTIAL STRUCTURES. ALL OTHER WORK TO BE PERFORMED BY OTHERS.\*\*\*

DOMINION ENERGY SOUTH CAROLINA, INC. ELECTRIC DISTRIBUTION SYMBOLS	
<b>POLES</b>	<b>OVERHEAD SYMBOLS</b>
□ DISTRIBUTION POLE	○ SINGLE PHASE TRANSFORMER
□ TRANSMISSION POLE	○ TWO PHASE TRANSFORMER
□ FOREMAN UTILITY POLE	○ THREE PHASE TRANSFORMER
□ ANCHOR & DOWN BOY	○ PRIMARY WEAR
<b>PRIMARY CONDUCTOR</b>	
— PRIMARY PHASE	— SECONDARY PHASE
— ANCHOR & DOWN BOY	— SECONDARY PHASE
<b>SECONDARY CONDUCTOR</b>	<b>UNDERGROUND SYMBOLS</b>
— UNDERGROUND PHASE	□ SINGLE PHASE PAD MOUNTED TRANSFORMER
— UNDERGROUND ANCHOR & DOWN BOY	□ THREE PHASE PAD MOUNTED TRANSFORMER
<b>SECTIONALIZING DEVICES &amp; SWITCHES</b>	□ SWITCH
□ OIL CIRCUIT BREAKER	□ LOOP CIRCUIT
□ BREAK SWITCH	□ FUSE
□ MAIN SWITCH	□ SECONDARY WEAR/SERVICE
□ SCADA SWITCH	□ FUSE SWITCH
<b>LIGHTING</b>	□ STREET LIGHT
□ STREET LIGHT	□ SIDE WALK LIGHT
□ FLOOD LIGHT	□ SIDE WALK LIGHT
<b>NOTES:</b>	
<p>1. THIS DRAWING IS FOR INFORMATION ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY THE DESIGN ENGINEER.</p> <p>2. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED.</p> <p>3. REFER TO THE PROJECT MANUAL FOR ALL REQUIREMENTS.</p> <p>4. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</p> <p>5. THE DESIGNER IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION PROVIDED BY OTHERS.</p>	

REFERENCE DRAWING ONLY, NOT TO SCALE

W.O.#	OWIP#SEC.23080WR# E118946
STARTED BY	
COMPLETED BY	
CLOSED OUT BY	
COORDINATOR	
ELECTRIC ENG. TECH.	TERRANCE HARRIS
GAS ENG. TECH.	

RIGHT OF WAY INFORMATION	
FILE NUMBER	
EASEMENT NO.	
STANDARD DOMINION ENERGY SOUTH CAROLINA, INC. DISTRIBUTION RIGHT OF WAY OVERHEAD ELECTRIC IS 15' EACH SIDE OF THE POLE. UNDERGROUND ELECTRIC IS 5' EACH SIDE OF THE CABLE. PAD MOUNTED EQUIPMENT IS 12' AROUND THE PERIMETER OF THE EQUIPMENT.	

PRELIMINARY	
REV. NO.	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

3 DAYS BEFORE BEGINNING IN SOUTH CAROLINA	
CALL 811 ITS THE LAW PALMETTO UTILITY PROTECTION SERVICE	
ALL DOMINION ENERGY SOUTH CAROLINA, INC. FACILITY LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. FINAL LOCATIONS ARE DETERMINED AT THE TIME OF INSTALLATION BY A DOMINION ENERGY SOUTH CAROLINA, INC. REPRESENTATIVE.	
DEVELOPER'S SIGNATURE BLOCK	
APPROVED BY:	(SIGNATURE)
FILE:	(PRINT NAME)
DATE:	
DOMINION ENERGY SOUTH CAROLINA, INC.	
TITLE	ALLISON ROAD STREETSCAPE - BEAUFORT, SC
DETAIL	NEW UNDERGROUND SERVICE
SUB.	BEAUFORT CENTRAL SUBSTATION (#00014)
DATE	08/13/21
SCALE	1" = 40'
APP.	08/3841-01.DWG
DRAWN	08/3841-01
CHECKED	08/13/21
DATE	08/13/21



FOR INFORMATION ONLY

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
DESC SCHEMATIC

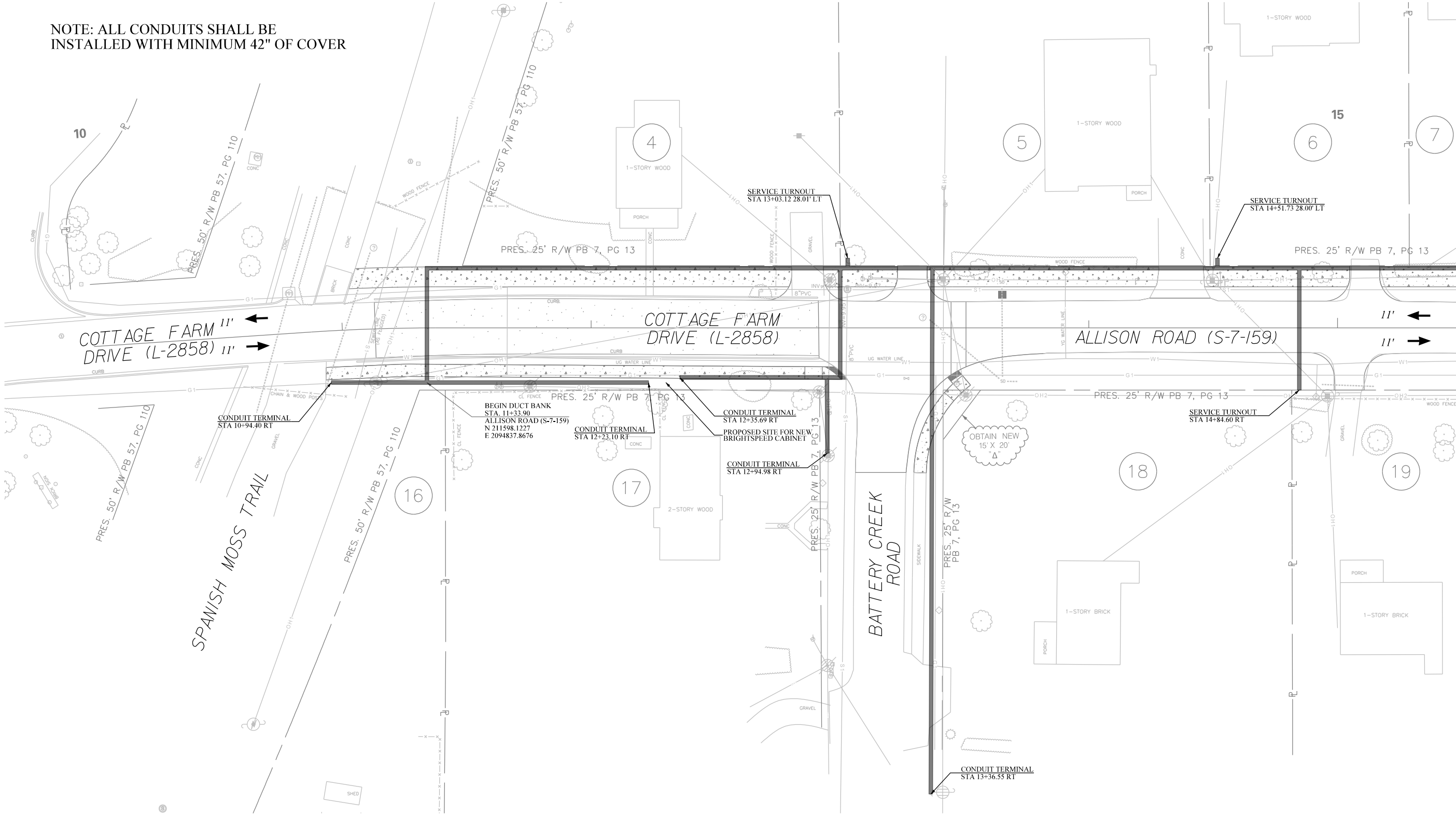
SHEET DB-B SCALE: NTS

PLAN "SAFETY" INTO EVERY JOB

ELECTRONIC DRAWING-DO NOT REVISE MANUALLY

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	DB-1

NOTE: ALL CONDUITS SHALL BE INSTALLED WITH MINIMUM 42" OF COVER



MATCHLINE STA. 15+50 SEE SHEET DB-2

NOTE: ALL SERVICE TURNOUTS TO INCLUDE BRIGHTSPPEED AND HARGRAY

G:\PROJECTS\17\_05\_City of Beaufort\17-05-19\_Allison Rd\17-05-19\_Allison Rd\17-05-19\_Allison Rd\DESIGN\Roadway\Dgn\Plan\_Sheets\Duct Bank Plans\SHT\_DB\_01.dgn 10/12/2023

# JE INFRASTRUCTURE CONSULTING & ENGINEERING

4					
3					
2					
1					
REV. NO.	BY	DATE	DESCRIPTION OF REVISION		
DESIGNED BY:		DATE			
DRAWN BY:		DATE			
CHECKED BY:		DATE			

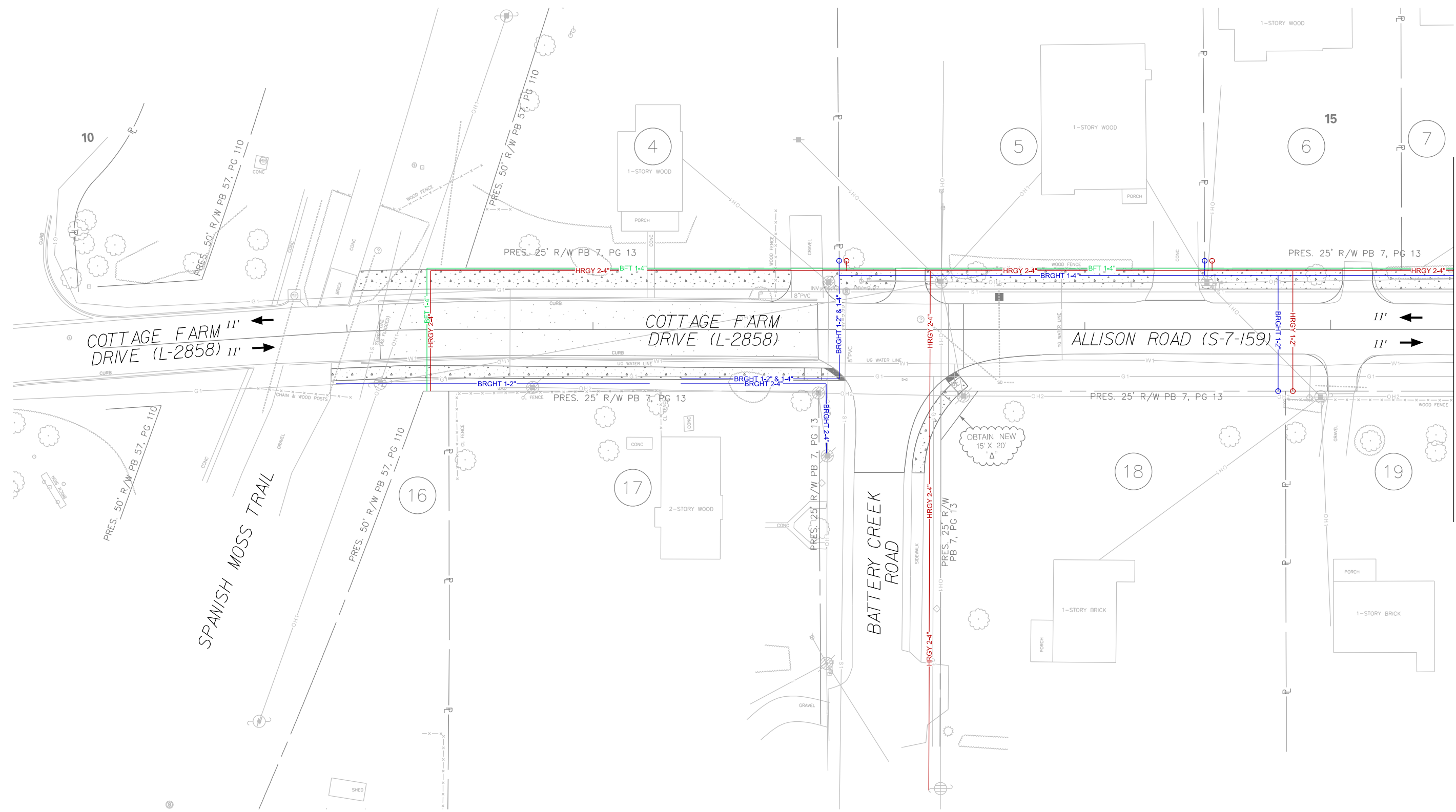
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
DUCT BANK PLAN





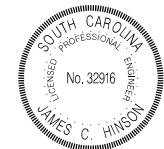
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	DB-SCH-1



MATCHLINE STA. 15 + 50 SEE SHEET DB-SCH-2

NOTE:  
ALL SERVICE TURNOUTS TO  
INCLUDE BRIGHTSPPED AND  
HARGRAY

G:\PROJECTS\17\_05\_City of Beaufort IDC\17-05\_19\_Allison Rd\D-DESIGN\Roadway\Dgn\Plan\_Sheets\Duct Bank Plans\SH\_T\_DB\_01 - SCHEMATIC.dgn  
10/12/2023



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
DUCT BANK SCHEMATIC PLAN

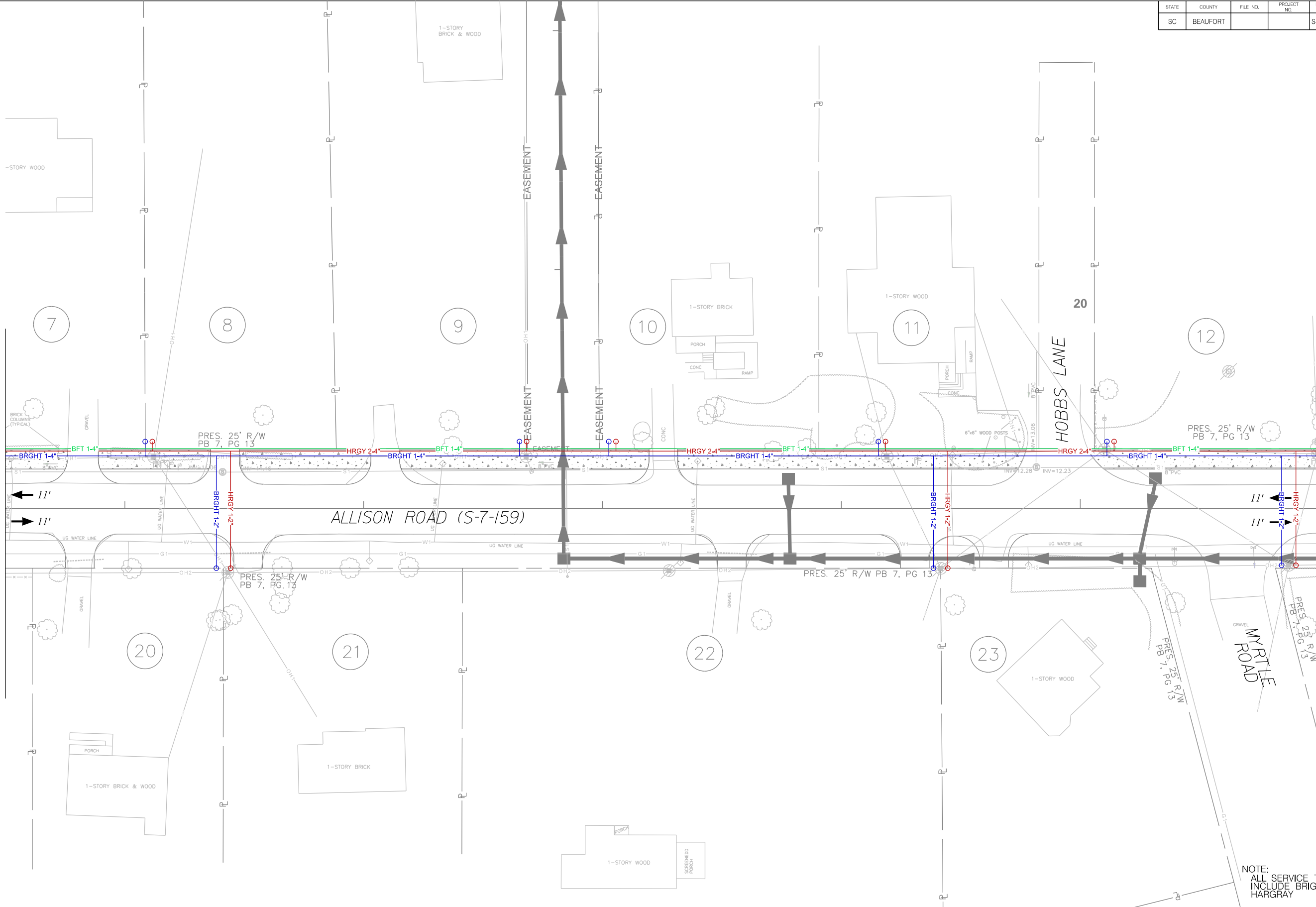
SHEET DB-SCH-1

SCALE: 1" = 20'

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	DB-SCH-2

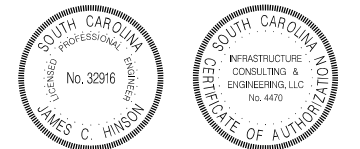
MATCHLINE STA. 15 + 50 SEE SHEET DB-SCH-1

MATCHLINE STA. 21 + 00 SEE SHEET DB-SCH-3



NOTE:  
ALL SERVICE TURNOUTS TO  
INCLUDE BRIGHTSPEED AND  
HARGRAY

G:\PROJECTS\17\_05\_City of Beaufort\17-05\_19\_Allison Rd\DESIGN\Roadway\Dgn\Plan\_Sheets\Duct Bank Plans\SH\_T\_DB\_02 - SCHEMATIC.dgn  
10/12/2023



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

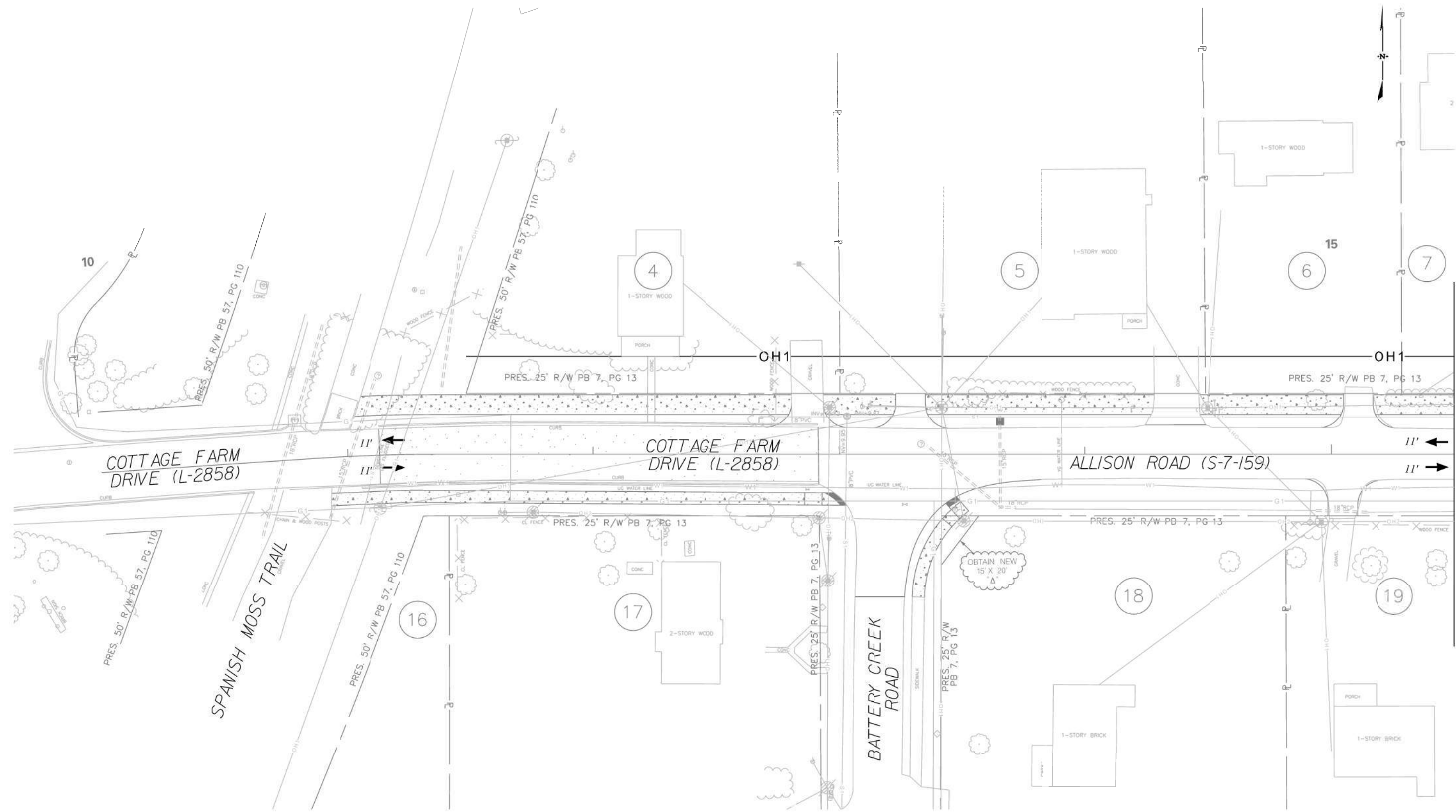
BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
DUCT BANK SCHEMATIC PLAN

SHEET DB-SCH-2      SCALE: 1" = 20'



STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	REL-1



MATCHLINE STA. 15 + 50 SEE SHEET REL-2

NOTE:  
EXISTING WATER AND SEWER  
TO REMAIN ON THIS SHEET

G:\PROJECTS\17\_05\_City of Beaufort IDC  
5/5/2023

**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

**SOUTH CAROLINA**  
PROFESSIONAL ENGINEER  
No. 32916  
**James C. Linson**  
Digitally signed  
by James Linson  
Date: 2023.09.07  
11:34:09-04'00'

4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY  
CITY OF BEAUFORT

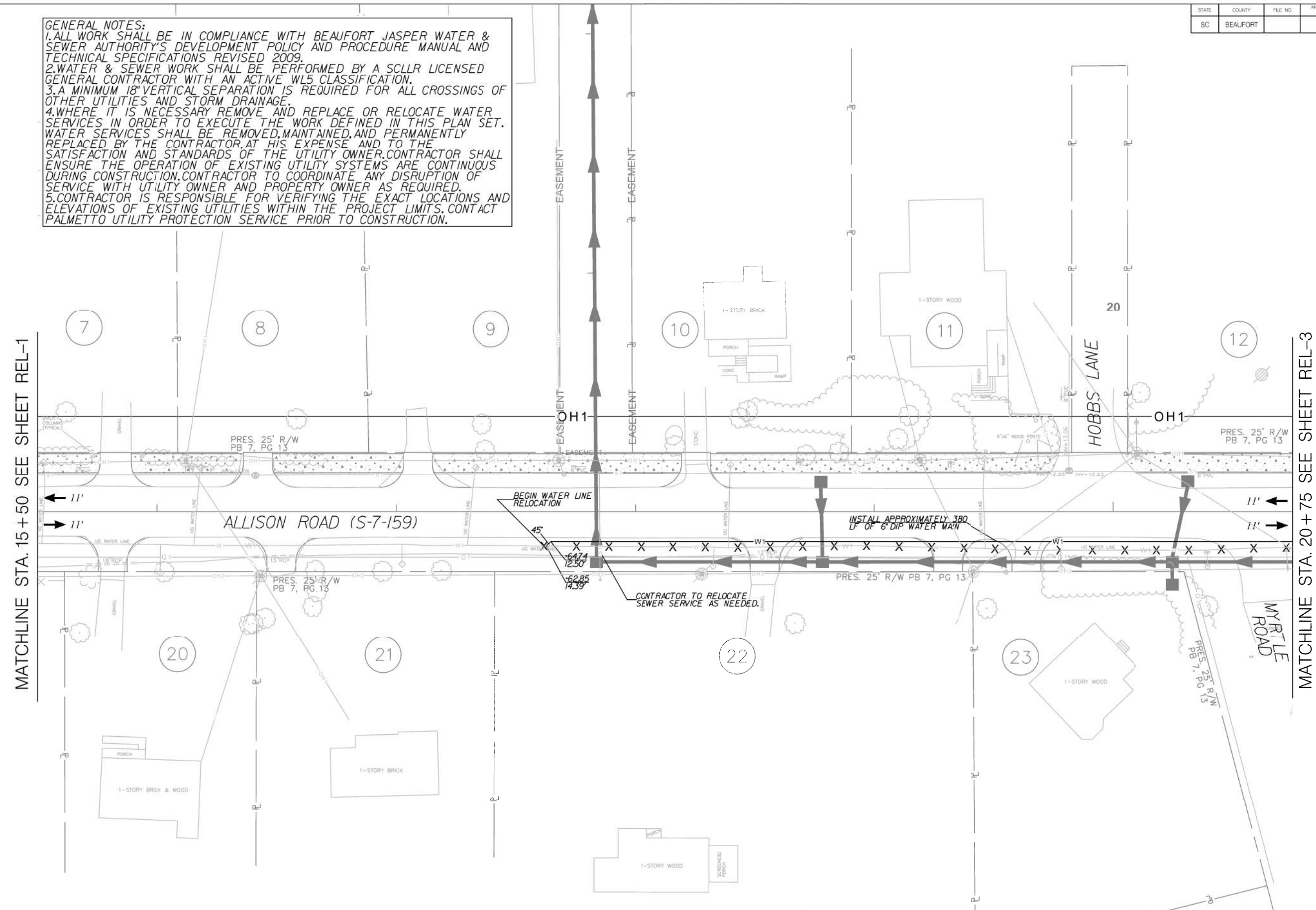
ALLISON ROAD (S-7-159)  
RELOCATION PLAN

SHEET REL-1      SCALE: 1" = 20'



STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	REL-2

**GENERAL NOTES:**  
 1. ALL WORK SHALL BE IN COMPLIANCE WITH BEAUFORT JASPER WATER & SEWER AUTHORITY'S DEVELOPMENT POLICY AND PROCEDURE MANUAL AND TECHNICAL SPECIFICATIONS REVISED 2009.  
 2. WATER & SEWER WORK SHALL BE PERFORMED BY A SCLR LICENSED GENERAL CONTRACTOR WITH AN ACTIVE WL5 CLASSIFICATION.  
 3. A MINIMUM 18" VERTICAL SEPARATION IS REQUIRED FOR ALL CROSSINGS OF OTHER UTILITIES AND STORM DRAINAGE.  
 4. WHERE IT IS NECESSARY REMOVE AND REPLACE OR RELOCATE WATER SERVICES IN ORDER TO EXECUTE THE WORK DEFINED IN THIS PLAN SET. WATER SERVICES SHALL BE REMOVED, MAINTAINED, AND PERMANENTLY REPLACED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION AND STANDARDS OF THE UTILITY OWNER. CONTRACTOR SHALL ENSURE THE OPERATION OF EXISTING UTILITY SYSTEMS ARE CONTINUOUS DURING CONSTRUCTION. CONTRACTOR TO COORDINATE ANY DISRUPTION OF SERVICE WITH UTILITY OWNER AND PROPERTY OWNER AS REQUIRED.  
 5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES WITHIN THE PROJECT LIMITS. CONTACT PALMETTO UTILITY PROTECTION SERVICE PRIOR TO CONSTRUCTION.



MATCHLINE STA. 15+50 SEE SHEET REL-1

MATCHLINE STA. 20+75 SEE SHEET REL-3



South Carolina Professional Engineer  
 No. 32916  
 Digitally signed by James Linson  
 Date: 2023.09.07 11:34:12-04'00'

4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

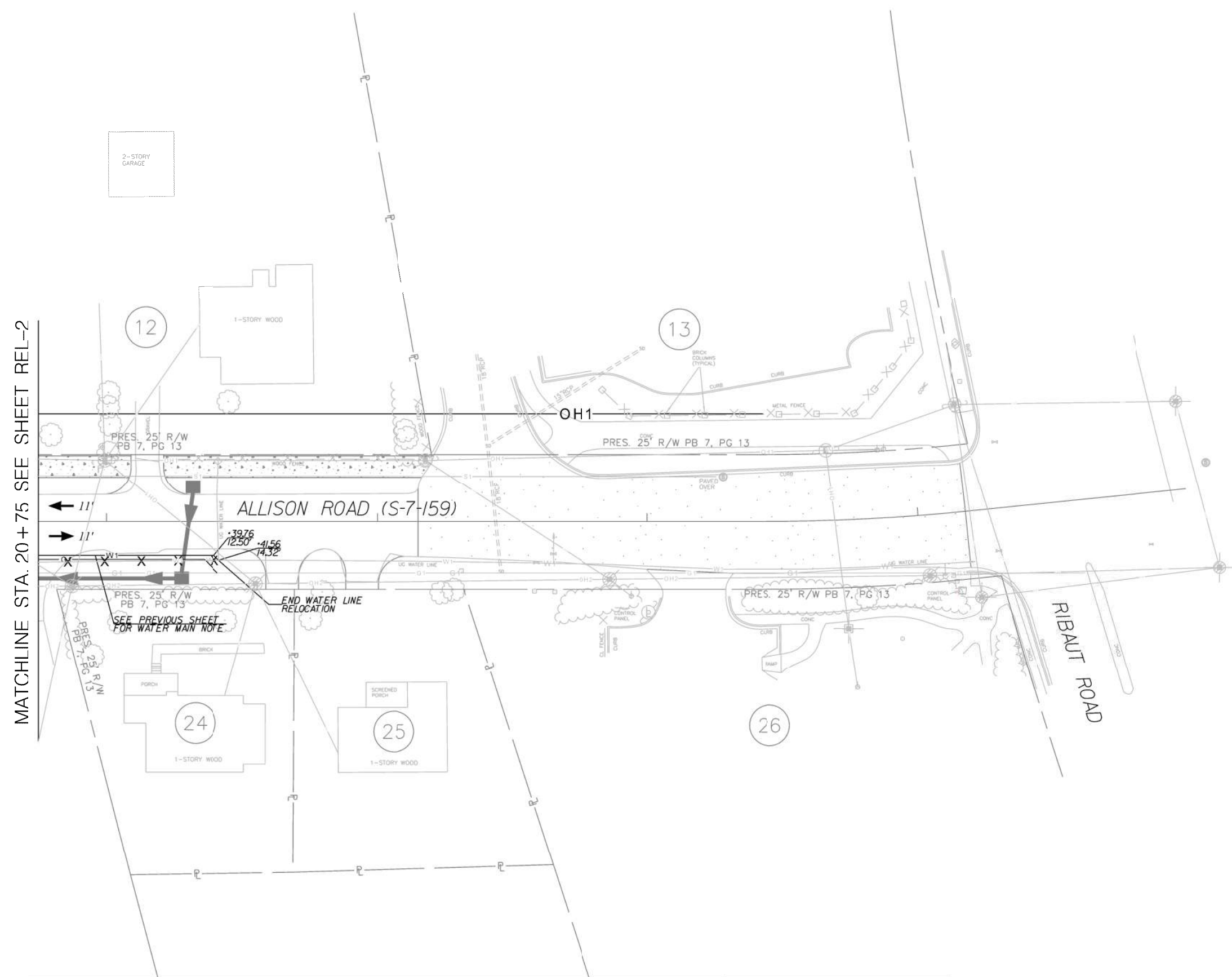
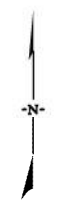
BEAUFORT COUNTY  
 CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
 RELOCATION PLAN

SHEET REL-2      SCALE: 1" = 20'

G:\PROJECTS\17\_05\_City of Beaufort IDC  
 9/6/2023

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	REL-3



G:\PROJECTS\17\_05\_City of Beaufort IDC  
9/6/2023

**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

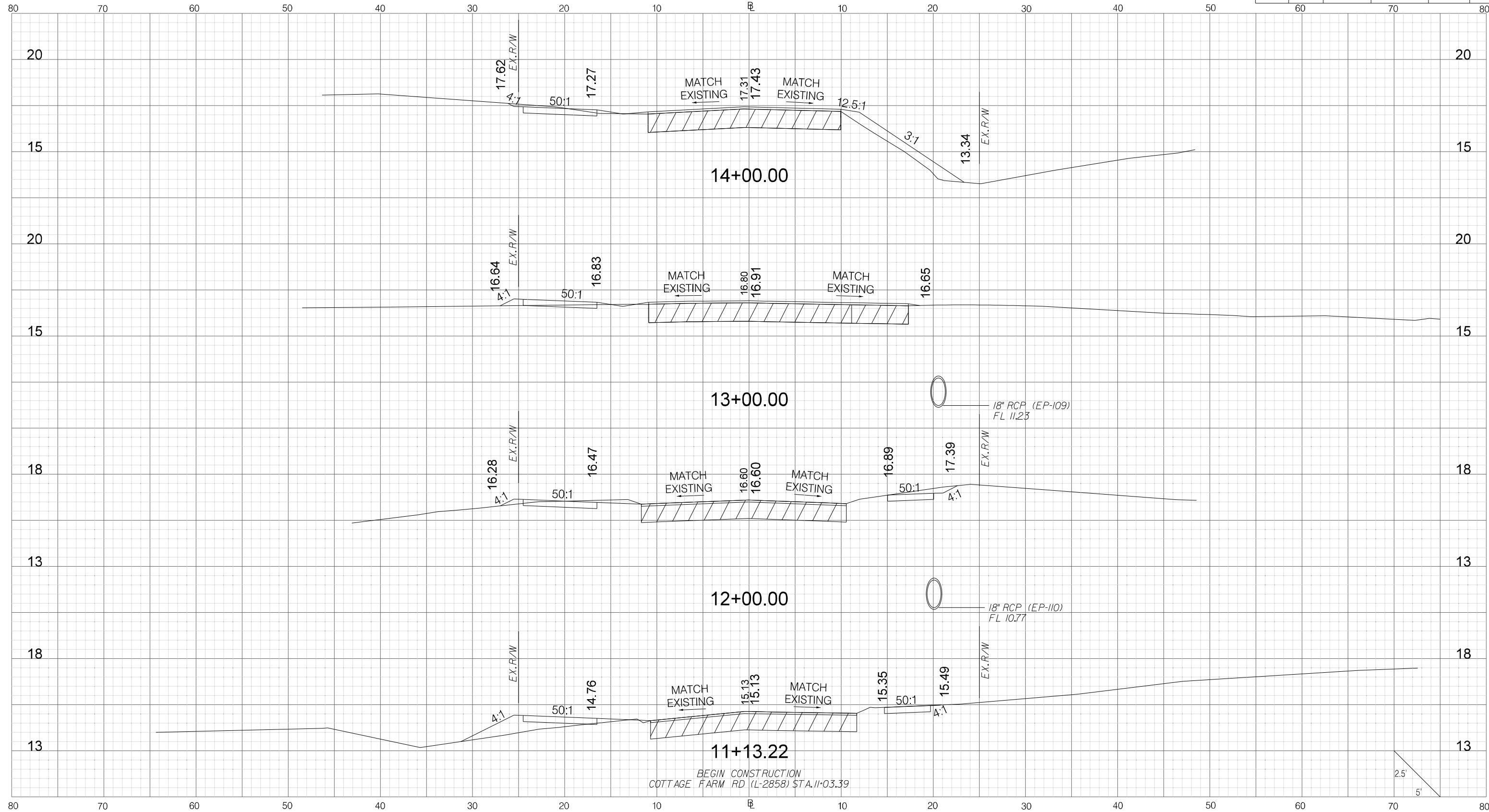
**SOUTH CAROLINA**  
PROFESSIONAL ENGINEERING  
No. 32916  
**SOUTH CAROLINA**  
INFRASTRUCTURE CONSULTING & ENGINEERING, LLC  
No. 4470  
Digitally signed by James Linson  
Date: 2023.09.07 11:34:15-04'00'

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:		DATE	
DRAWN BY:		DATE	
CHECKED BY:		DATE	

BEAUFORT COUNTY  
CITY OF BEAUFORT

ALLISON ROAD (S-7-159)  
RELOCATION PLAN

SHEET REL-3 SCALE: 1" = 20'

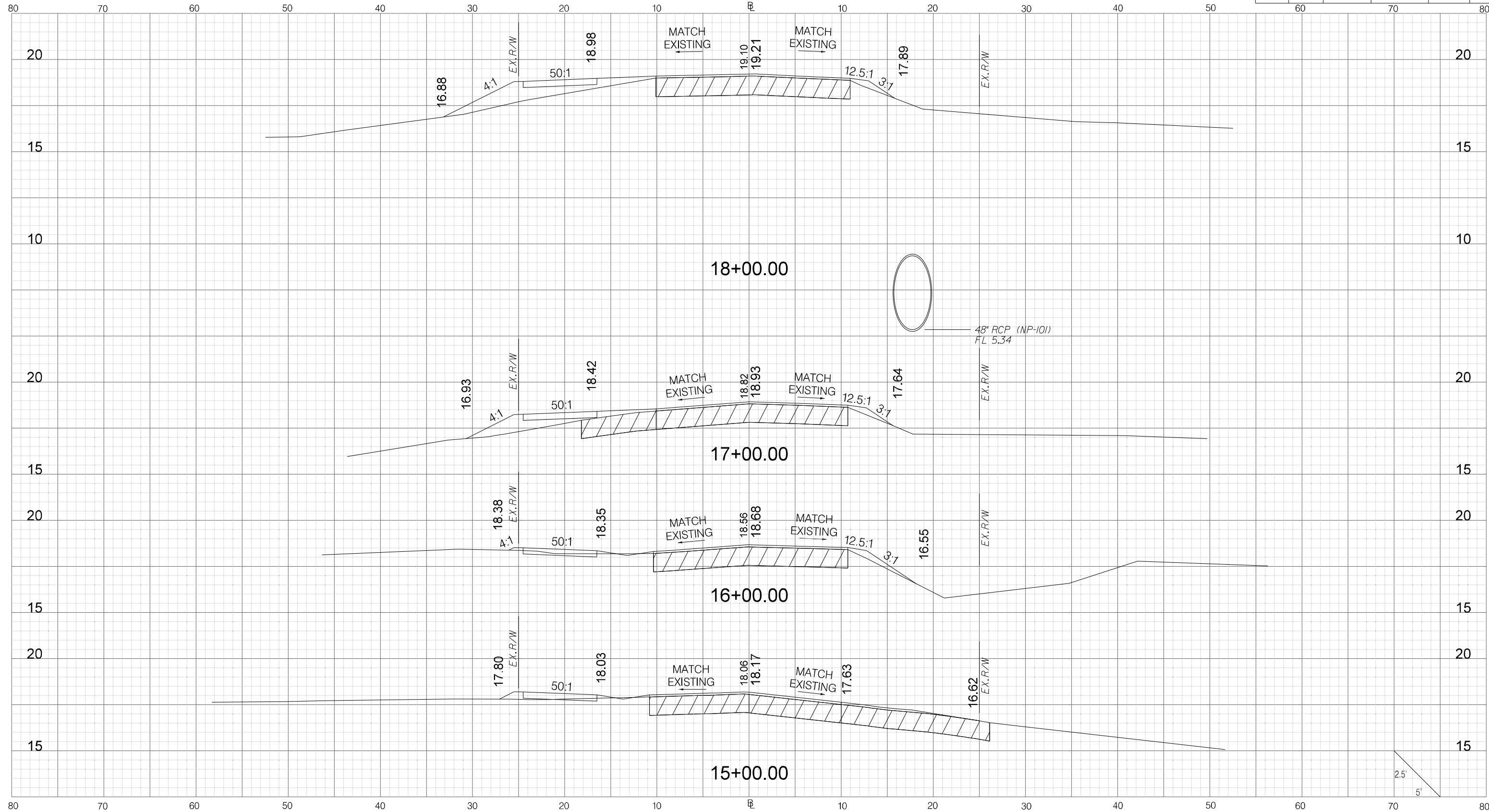


G:\PROJECTS\17\_05\_19\_Allison Rd\0-D-DESIGN\Roadway\Plan\_Sheets\XS\_Sheets\Allison2\_XS.dgn 10/12/2023

Digitally signed by James Hinson
   
 Date: 2023.10.12 16:14:03-04'00'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			
0			

CITY OF BEAUFORT  
 ALLISON ROAD (S-7-159)  
 CROSS SECTION SHEET



G:\PROJECTS\17\_05\_19\_Allison Rd\0-D-DESIGN\Roadway\Plan\_Sheets\XS\_Sheets\Allison2\_XS.dgn 10/12/2023

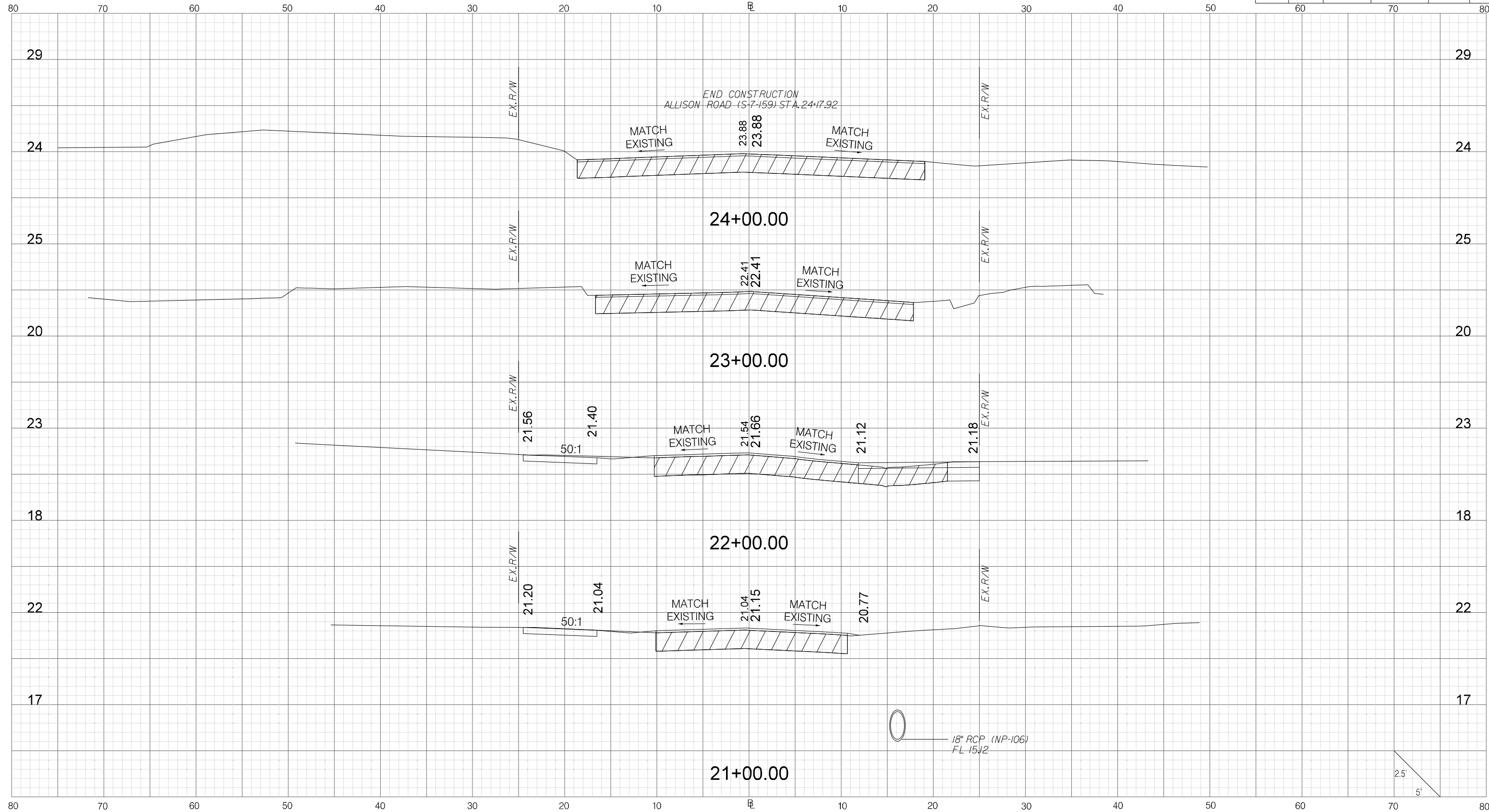
Digitally signed by James Hinson
   
 Date: 2023.10.12 16:14:05-04'00'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			
0			

CITY OF BEAUFORT  
 ALLISON ROAD (S-7-159)  
 CROSS SECTION SHEET

2.5'  
5'





G:\PROJECTS\17\_05\_City of Beaufort\17-05-19\_Allison Rd\0-D-DESIGN\Roadway\Plan\_Sheets\17-05-19\_Allison2\_XS.dgn 10/12/2023

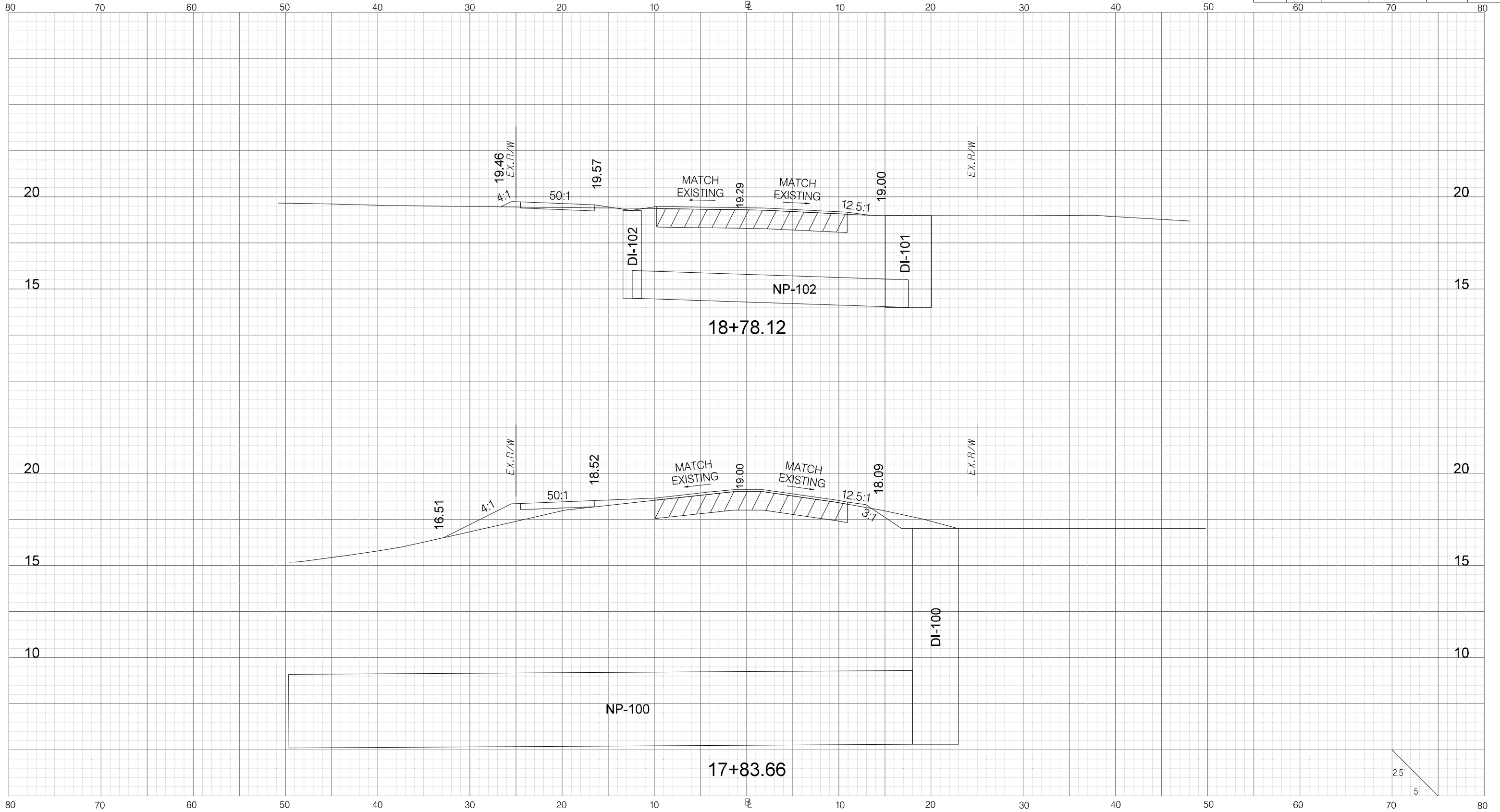
Digitally signed by James Hinson  
 Date: 2023.10.12 16:14:08-04'00'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			
0			

CITY OF BEAUFORT

ALLISON ROAD (S-7-159)

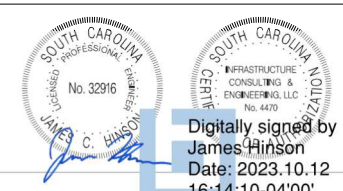
CROSS SECTION SHEET



G:\PROJECTS\17\_05\_City of Beaufort\17-05-19\_Allison Rd\0-D-DESIGN\Roadway\Dgn\Plan\_Sheets\XS\_Sheets\Allison2\_XP.dgn 10/12/2023

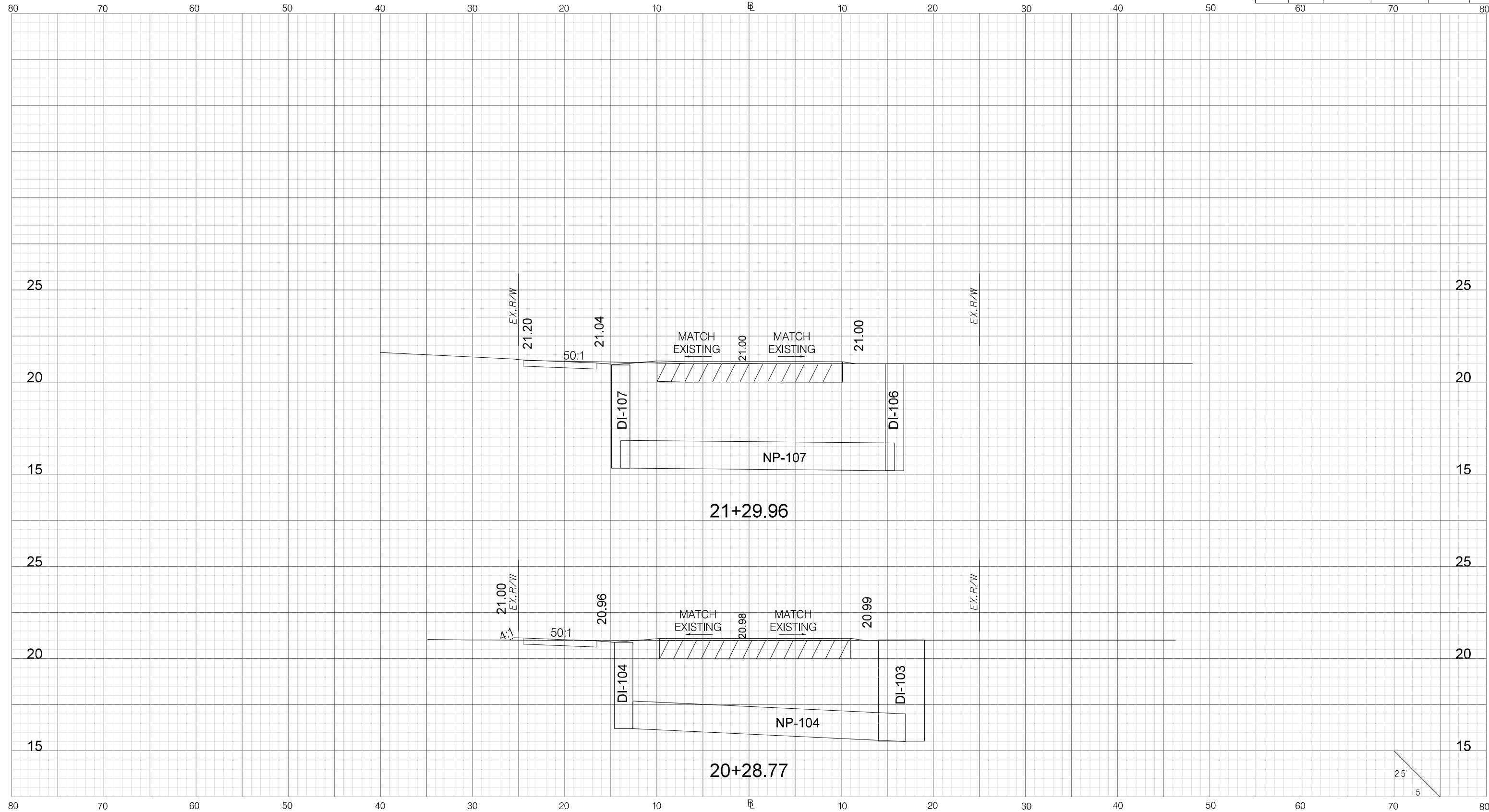
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			
0			

CITY OF BEAUFORT  
 ALLISON ROAD (S-7-159)  
 CROSS SECTION SHEET




Digitally signed by James Hinson  
 Date: 2023.10.12 16:14:10-04'00'

FED. RD. DIST. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
	SC	BEAUFORT		S-7-159	XP2



G:\PROJECTS\17\_05\_City of Beaufort\17-05-19\_Allison Rd\0-D-DESIGN\Roadway\Plan\_Sheets\Allison2\_XP.dgn 10/12/2023



  
 Digitally signed by James Hinson  
 Date: 2023.10.12 16:14:11-04'00'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			
0			

CITY OF BEAUFORT  
 ALLISON ROAD (S-7-159)  
 CROSS SECTION SHEET