

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
TOTAL		48

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"

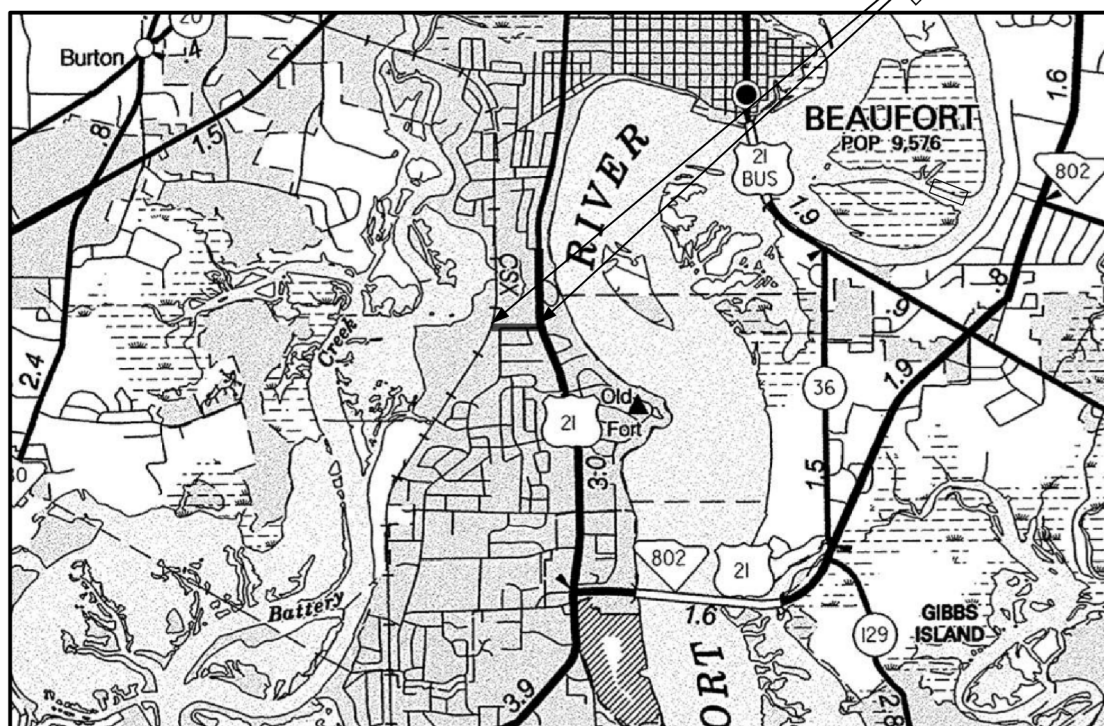
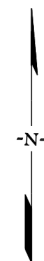
Design Reference for these plans is the:
3R
These Plans Were Designed Using "3R" Principles From the 2017 Roadway Design Manual

ENVIRONMENTAL PERMIT INFORMATION			
USACE PERMIT	___YES	___X_NO	
NEPA DOCUMENT	___YES	___X_NO	
401 CERTIFICATION	___YES	___X_NO	
OCRM CAP	___YES	___X_NO	
NAVIGABLE WATERS	___SC	___USCG	___USACE ___X_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

	SCDOT REVIEW		RIGHT-OF-WAY		CONSTRUCTION	
	INITIAL	DATE	INITIAL	DATE	INITIAL	DATE
PRECONSTRUCTION SUPPORT - ROAD						
PRECONSTRUCTION SUPPORT - STRUCTURES						
RPG - DESIGN MANAGER						
RPG - PROGRAM MANAGER						

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

For Right Of Way Acquisition:

Date
Consultant Engineer of Record

Date
Regional Production Engineer

ENGINEER OF RECORD
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 32916
JAMES HINSON
Infrastructure Consulting & Engineering LLC
Digitally signed by James Hinson
Date: 2023.11.08 15:28:11 -0500
FOR CONSTRUCTION:

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
1052210	LARGE PUBLIC SEWER 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<)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	842	LF

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
6750224	4.0" SCHEDULE 40 PVC CONDUIT	5537	LF
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	25.38	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	LS
8100100	PERMANENT COVER	0.6723	ACRE
8100200	TEMPORARY COVER	0.33615	ACRE
8101105	COMPOST	181	CY
8104005	FERTILIZER (NITROGEN)	67.23	LB
8104010	FERTILIZER (PHOSPHORIC ACID)	67.23	LB
8104015	FERTILIZER (POTASH)	67.23	LB
8105005	AGRICULTURAL GRANULAR LIME	1344.6	LB
8109050	SELECTIVE WATERING	54300	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	2502.87	LF
8153090	REPLACE/REPAIR SILT FENCE	250.287	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 & COMMUNICATIONS SERVICE CONVERSIONS (OVERHEAD TO UNDERGROUND)	18	EA



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2	BLW	01-17-24	2" AND 4" SCHEDULE 40 PVC CONDUIT QUANTITY UPDATED, EACH ITEM WAS CALLING OUT THE OTHER RESPECTIVE QUANTITY.
1	MBC	10-24-23	ADDING COMMUNICATION CONDUIT TO ELECTRICAL /COMMUNICATION SERVICE CONVERSIONS,ADDED SEWER RELOCATION
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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DRAWN BY:		DATE	
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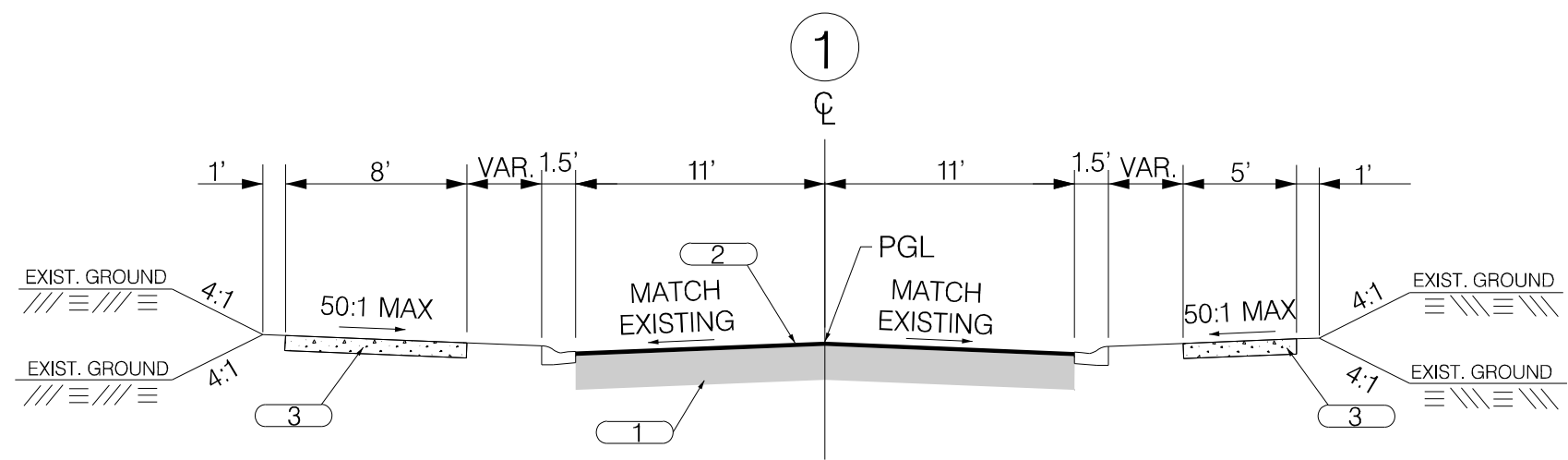
BEAUFORT COUNTY
 CITY OF BEAUFORT

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

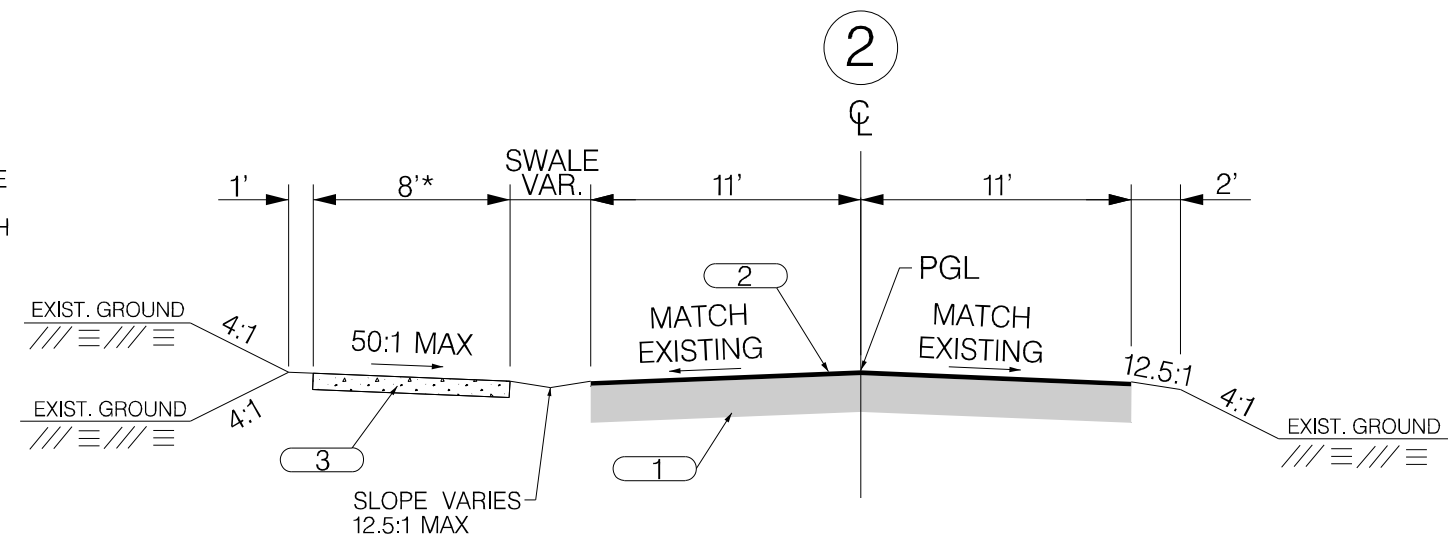
SHEET 2 SCALE: NTS

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

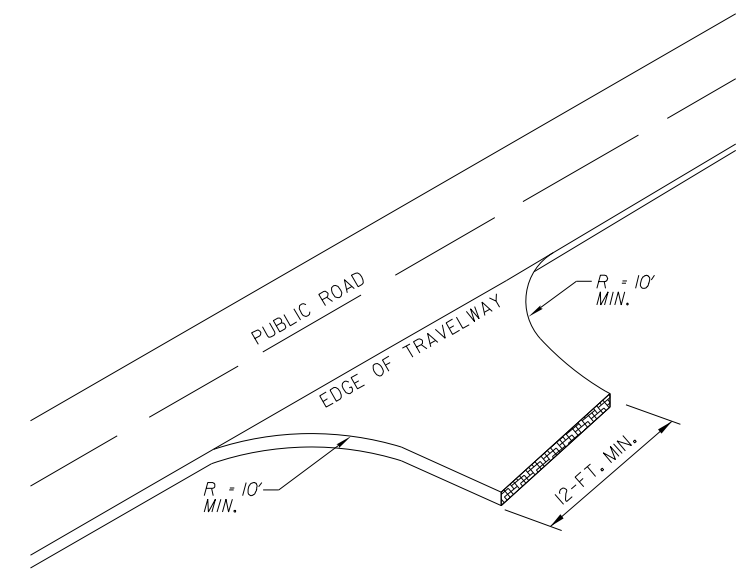
TYPICAL SECTION



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.

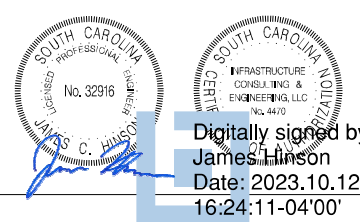
SIDEWALK IS TO BE PLACED 0.5' WITHIN EXISTING RIGHT OF WAY.

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		



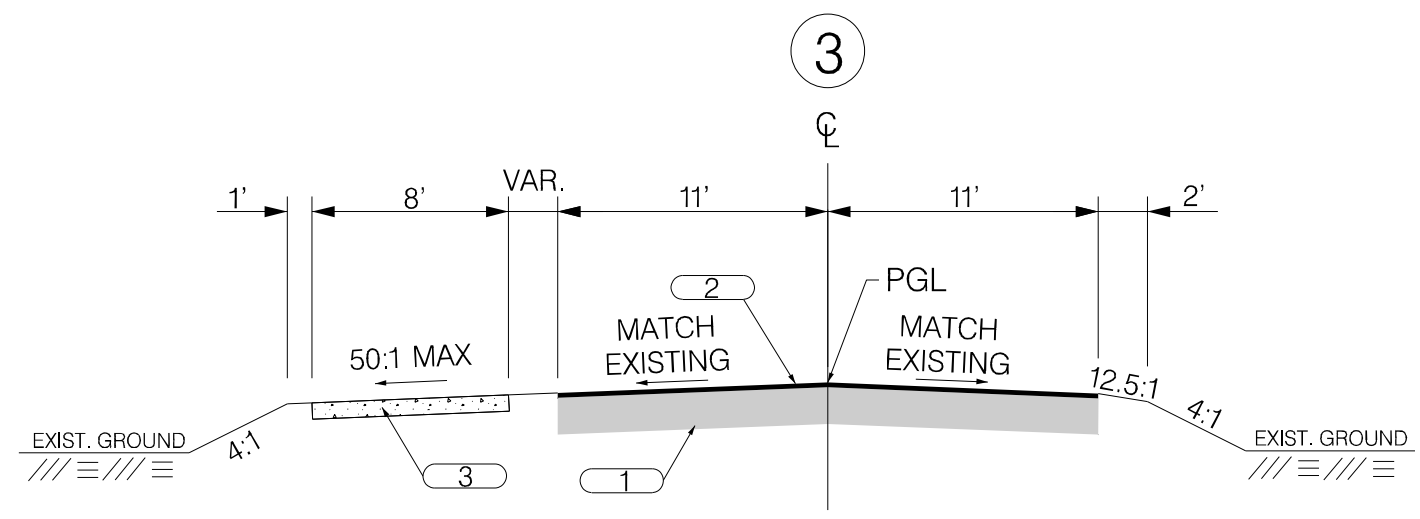
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BEAUFORT COUNTY CITY OF BEAUFORT	
ALLISON ROAD (S-7-159) TYPICAL SECTION SHEET	
SHEET 3	SCALE: NTS

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.

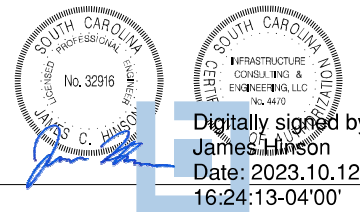
CURB RAMPS AND DETECTABLE WARNING SURFACES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS. SEE PLANS FOR LOCATIONS OF SIDEWALK CURB RAMPS AND DETECTABLE WARNING SURFACES.

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		



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DESIGNED BY:		DATE	
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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

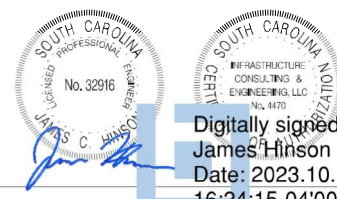
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	4

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^A	REMAINDER RIGHT ACRES ^A	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.

JE INFRASTRUCTURE
CONSULTING & ENGINEERING



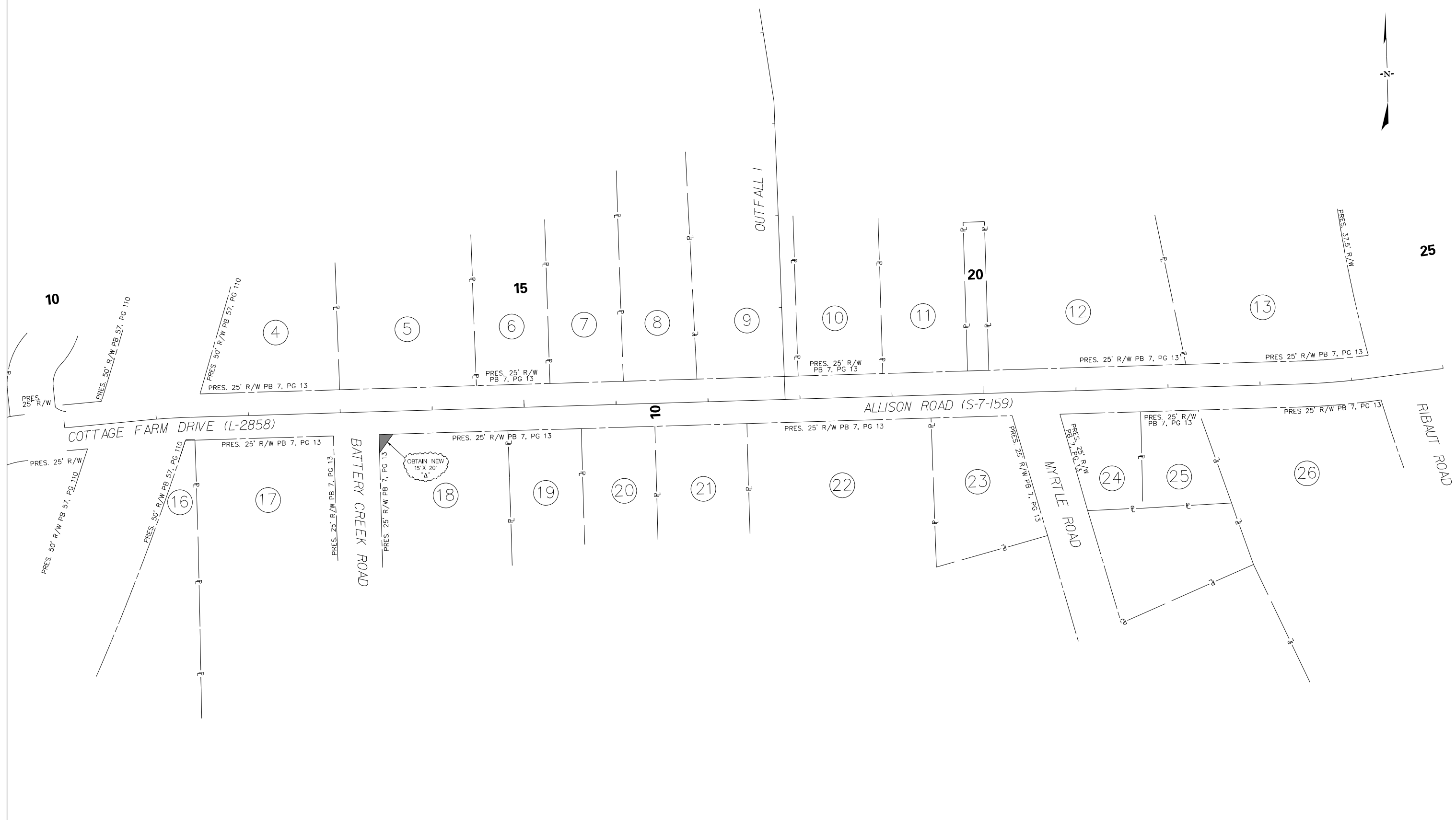
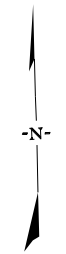
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DESIGNED BY:		DATE		
DRAWN BY:		DATE		
CHECKED BY:		DATE		

BEAUFORT COUNTY
CITY OF BEAUFORT

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

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



IE INFRASTRUCTURE
CONSULTING & ENGINEERING



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James Hinson
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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	5

GENERAL NOTES

GENERAL CONSTRUCTION NOTES:

THE CITY ENGINEER MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF PROJECT OR CHANGES IN ALIGNMENT.

THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS 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 UTILITIES INFORMATION SHOWN ON THE DRAWINGS. IT IS THEREFORE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT THE PROPER COORDINATION WITH THE VARIOUS UTILITY OWNERS HAS BEEN PERFORMED.

THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY OWNERS DURING RELOCATION OPERATIONS. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY WHETHER SHOWN ON THE DRAWINGS OR LOCATED BY THE UTILITY COMPANY. COST OF DAMAGES TO ANY UTILITIES AS A RESULT OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL WORKMANSHIP AND MATERIALS USED ON THIS PROJECT SHALL CONFORM TO THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION), SCDOT 2007 SUPPLEMENTAL SPECIFICATIONS, SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATIONS IN EFFECT AT THE TIME OF LETTING, AND SCDOT 2009 STANDARD DRAWINGS EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.

ALL EXISTING ROAD SIGNS AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED, RELOCATED, OR REMOVED AS DIRECTED BY ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR CLEARING AND GRUBBING.

ALL NEW SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SCDOT STANDARD DRAWINGS, NEW 2P & 3P SIGN SUPPORTS REQUIRED FOR RELOCATED SIGNS WILL BE PAID PER LINEAR FOOT INSTALLED AND ACCEPTED.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY PROVISIONS FOR TRAFFIC CONTROL FOR THE DURATION OF THE PROJECT. THESE PROVISIONS, AS IN EACH CASE IS APPLICABLE, WILL CONFORM TO THE REQUIREMENTS CONTAINED IN THE SCDOT STANDARD SPECIFICATIONS, STANDARD DRAWINGS, SUPPLEMENTAL SPECIFICATIONS, SPECIAL PROVISIONS, THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE TRAFFIC CONTROL PLAN TO THE COUNTY FOR APPROVAL BEFORE BEGINNING CONSTRUCTION.

THE LUMP SUM COST FOR TRAFFIC CONTROL SHALL INCLUDE ALL WORK AS DIRECTED ABOVE. THIS LUMP SUM COST SHALL INCLUDE TEMPORARY CONSTRUCTION SIGNS, BARRICADES, DRUMS, CONES, LIGHTS, AND OTHER ITEMS AS REQUIRED TO COMPLETE THIS WORK.

CONTRACTOR SHALL REFER TO SCDOT STD. DWG. 605-010-02 FOR PLACEMENT OF PERMANENT CONSTRUCTION SIGNS. THIS PROJECT REQUIRES ONE (1) SCHEME C AND THREE (3) SCHEME E (SEE SHEETS PM1-PM3 FOR PLACEMENT LOCATIONS). SIGNS SHALL BE PAID FOR PER SQUARE FOOT INSTALLED AND ACCEPTED UNDER THE BID ITEM FOR PERMANENT CONSTRUCTION SIGNS.

EROSION CONTROL NOTES:

IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.

- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICAL.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.

PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

EROSION CONTROL NOTES (CONTINUED):

ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.

TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.

LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.

INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.

MINIMIZE SOIL COMPACTION AND UNLESS INFEASIBLE, PRESERVE TOPSOIL.

MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.

- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTION MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.

IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM WATER EVENT WHENEVER PRACTICABLE. THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.

A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT AS APPROVED OTHERWISE.

THE CONTRACTOR IS REQUIRED TO IDENTIFY AND MAINTAIN AN ON-SITE CONCRETE WASHDOWN AREA THAT MEETS ALL REQUIREMENTS / BMPS OF SCDHEC. APPROVED WASHOUT AREAS MAY INCLUDE SECTIONS OF SIDEWALK THAT HAVE BEEN FORMED AND THAT ARE LOCATED AHEAD OF THE CURRENT CONCRETE POUR. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF CONCRETE REMNANTS AND PREPARING THE SUBGRADE IN THESE AREAS PRIOR TO PLACEMENT OF THE NEXT DAYS CONCRETE POUR.

SEQUENCE OF CONSTRUCTION

- OBTAIN NPDES COVERAGE FROM DHEC AND FINAL MS4 APPROVAL FROM THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS.
- NOTIFY SC DHEC REGIONAL OFFICE AND THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- INSTALL TREE PROTECTION AND DELINEATE CLEARING LIMITS.
- CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
- INSTALL PERIMETER CONTROLS (E.G. SILT FENCE).
- PROVIDE SITE DRAINAGE WITH DIVERSION DITCHES, SWALES AND DRAINS.
- CLEARING AND GRUBBING OF SITE (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED).
- STRIP TOP SOIL AND STOCKPILE FOR LATER USE ON SHOULDERS AND SLOPES PER SECTION 209 OF THE STANDARD SPECIFICATIONS. ALL DISTURBED AREA [ANY AREA OF LAND THAT WILL BE DISTURBED DURING CONSTRUCTION, THAT INCLUDES CLEARING, GRUBBING, STOCK PILING AND INSTALLATION OF ANY BMPS (SILT FENCE, SWALES, CHECK DAMS, ETC)] MUST BE INCLUDED WITHIN THE LIMITS OF DISTURBANCE.
- ROUGH GRADING.
- INSTALL STORM DRAINAGE.
- ASPHALT PAVING.
- CONSTRUCT SIDEWALK.
- FINISH GRADING AND FINAL GRASSING AND LANDSCAPING.
- MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES FOR THE EXTENT OF THE PROJECT.
- REMOVAL OF SEDIMENT CONTROLS AFTER SITE HAS BEEN STABILIZED.
- CONTACT THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS FOR FINAL PROJECT INSPECTION.
- FILE NOTICE OF TERMINATION.

INCLUSION ITEMS

ROADWAY ITEMS

MOBILIZATION	1,000 LS	PER CONTRACT DOCUMENTS
BONDS AND INSURANCE	1,000 LS	PER CONTRACT DOCUMENTS
CONSTRUCTION STAKES, LINES & GRADES	1,000 EA	PER CONTRACT DOCUMENTS
TRAFFIC CONTROL	1,000 LS	PER CONTRACT DOCUMENTS
AS-BUILT CONSTRUCTION PLANS	1,000 LG	PER CONTRACT DOCUMENTS
CLEARING & GRUBBING WITHIN ROADWAY	1,000 LG	WHATEVER DIRECTED BY ENGINEER
REMOVAL & DISPOSAL OF EXISTING DROP INLET	1,000 EA	FOR FEM. & DISPOSAL OF EXISTING DROP INLET
REMOVAL & DISPOSAL OF EXISTING PAVEMENT	285,000 SY	FOR FEM. & DISPOSAL OF EXISTING PAVEMENT
REMOVAL & DISPOSAL OF EXISTING CURB	16,459 LF	FOR FEM. & DISPOSAL OF EXISTING CURB
REMOVAL & DISPOSAL OF EXISTING CONCRETE	5,000 CY	FOR FEM. & DISPOSAL OF EXISTING CONCRETE
UNCLASSIFIED EXCAVATION	5,000 CY	FOR CRIVES, STRIPPING, AND OUTFALL DITCHES
BORROW EXCAVATION	241,000 CY	BACKFILL FOR PIPE REMOVAL AND WHERE DIRECTED BY THE ENGINEER
MAINTENANCE STONE	97,000 TON	FOR DRIVEWAYS
LIQUID ASPHALT BINDER PG64-22	23,000 TON	FOR HOT MIX ASPHALT
MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	1287,000 SY	WHEFE DIRECTED BY ENGINEER
HOT MIX ASPHALT SURFACE COURSE TYPE C	0,000 TON	FOR DRIVEWAYS AND OVERRUN
DETECTABLE WARNING MATERIAL	25,380 SF	WHEFE DIRECTED BY ENGINEER
STABILIZED CONSTRUCTION ENTRANCE	550,000 SY	WHEFE DIRECTED BY ENGINEER

EROSION CONTROL ITEMS

PERMANENT COVER	0.672 ACRE	FOR ALL DISTURBED AREAS
TEMPORARY COVER	0.336 ACRE	FOR ALL DISTURBED AREAS
COMPOST	181,000 CY	FOR ALL DISTURBED AREAS
FERTILIZER (NITROGEN)	67,230 LB	FOR ALL DISTURBED AREAS
FERTILIZER (PHOSPHORIC ACID)	67,230 LB	FOR ALL DISTURBED AREAS
FERTILIZER (POTASH)	67,230 LB	FOR ALL DISTURBED AREAS
AGRICULTURAL GRANULAR LIME	1344,600 LB	FOR ALL DISTURBED AREAS
SELECTIVE WATERING	54300,000 GAL	FOR ALL DISTURBED AREAS
MOWING	2,017 ACRE	FOR ALL DISTURBED AREAS
INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	208,000 LF	FOR INLET STRUCTURES
INLET STRUCTURE FILTER - TYPE F (NON-WEIGHTED)	208,000 LF	FOR INLET STRUCTURES
SILT FENCE	2592,870 LF	FOR TEMPORARY EROSION CONTROL
REPLACE/REPAIR SILT FENCE	250,287 LF	FOR TEMPORARY EROSION CONTROL
REMOVAL OF SILT RETAINED BY SILT FENCE	625,718 LF	FOR REMOVAL OF SILT

				BEAUFORT COUNTY CITY OF BEAUFORT	
				ALLISON ROAD (S-7-159) GENERAL CONSTRUCTION NOTES	
				SHEET 5	SCALE: NTS



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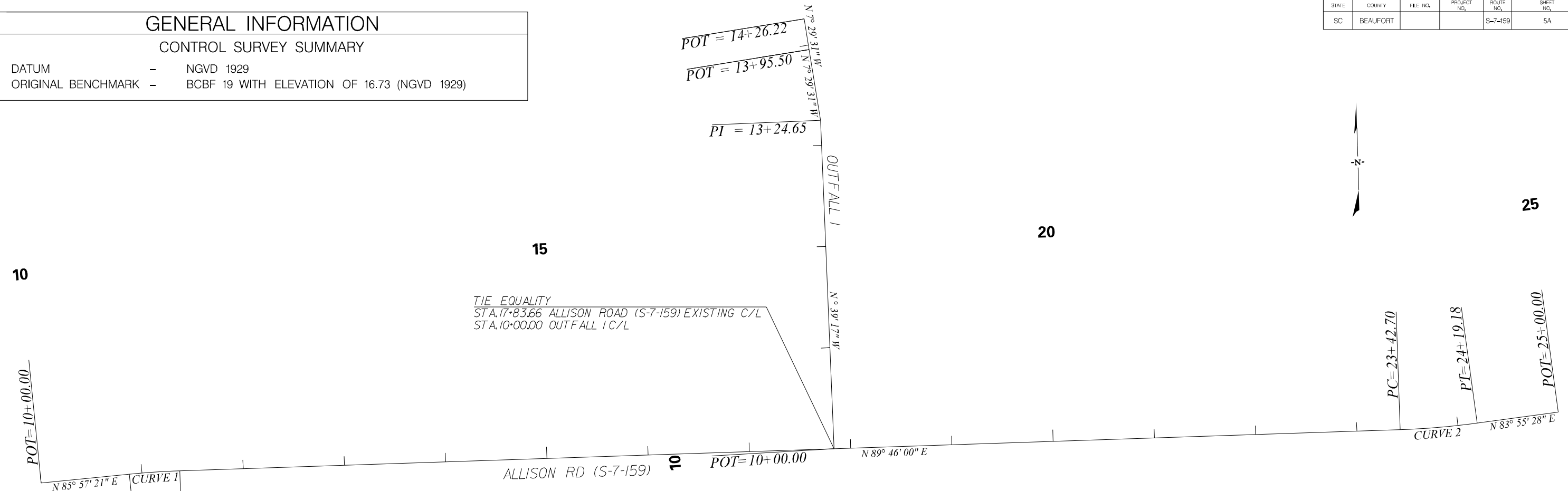
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STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	5A

GENERAL INFORMATION

CONTROL SURVEY SUMMARY

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



TIE EQUALITY
 STA. 17+83.66 ALLISON ROAD (S-7-159) EXISTING C/L
 STA. 10+00.00 OUTFALL 1 C/L

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

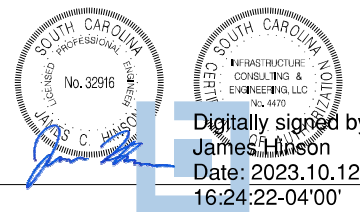
Curve Data

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



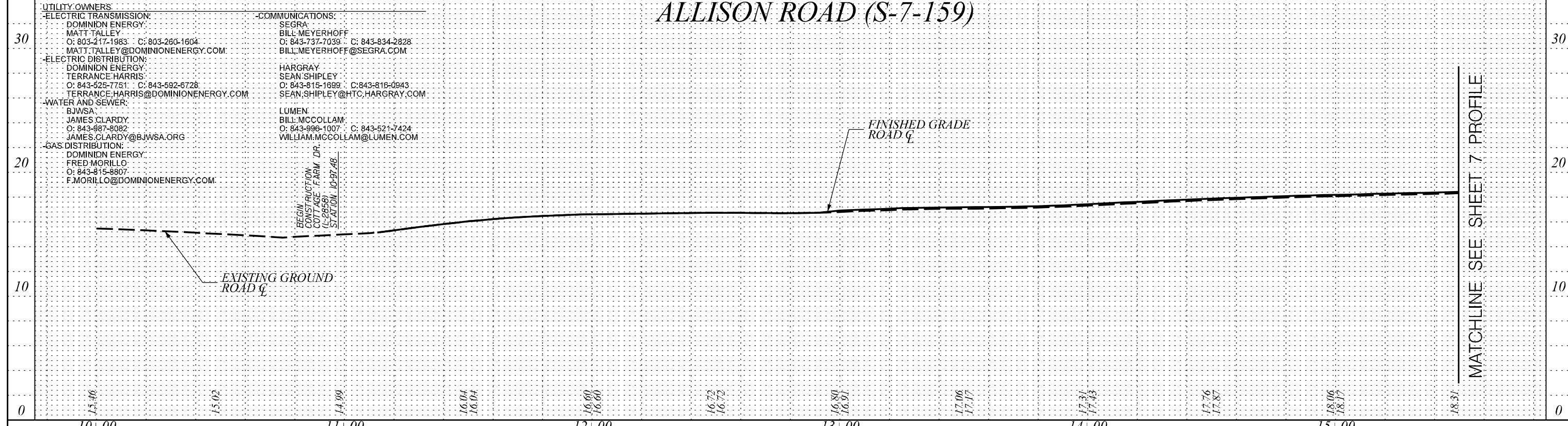
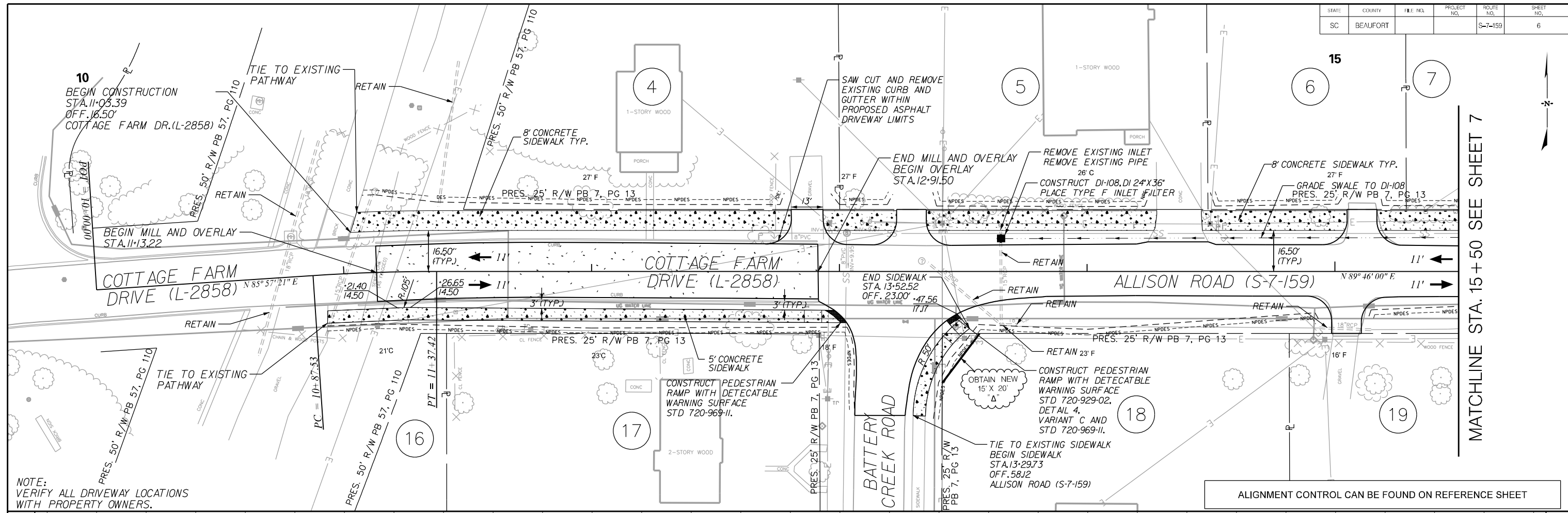
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BEAUFORT COUNTY
 CITY OF BEAUFORT

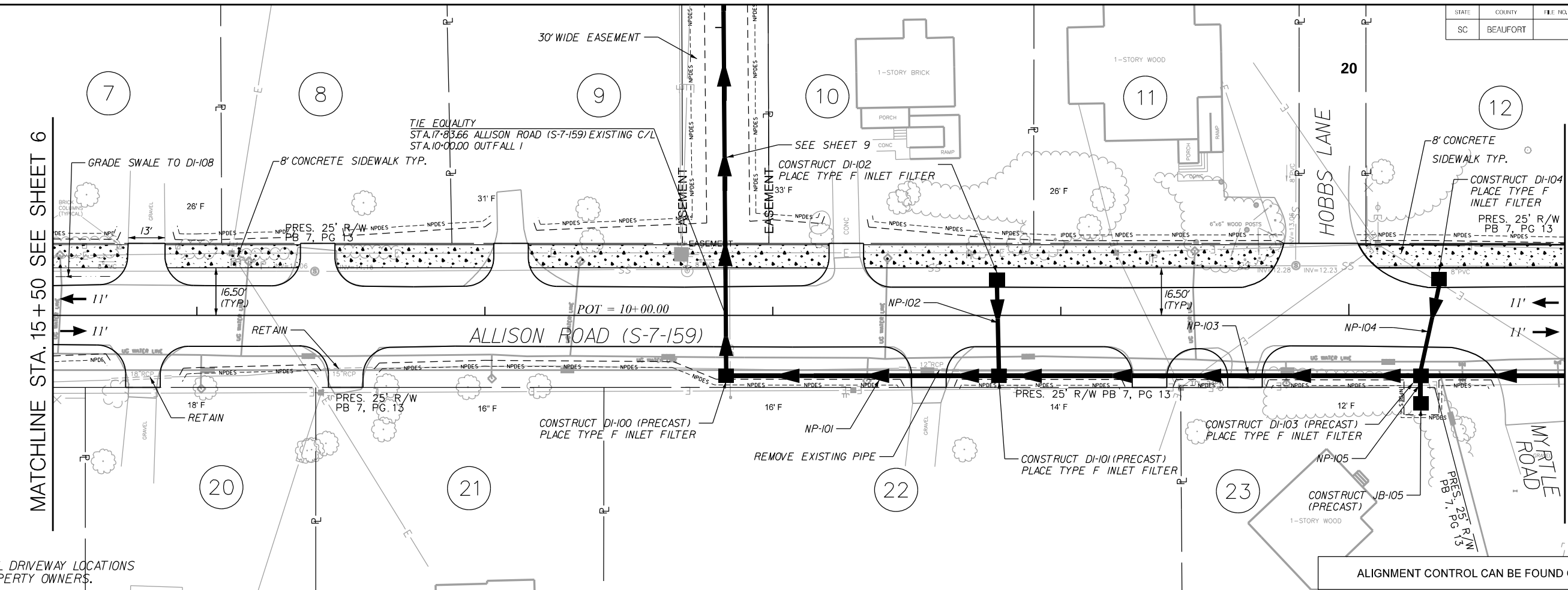
ALLISON ROAD (S-7-159)
 REFERENCE DATA SHEET

SHEET 5A SCALE: 1" = 50'



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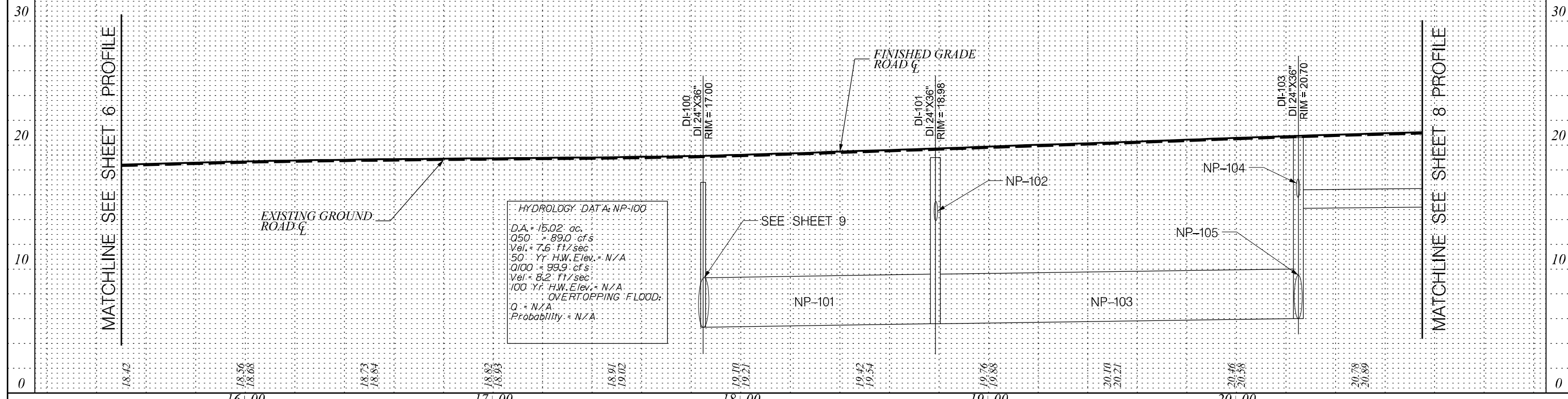
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SC	BEAUFORT			S-7-159	7



NOTE:
VERIFY ALL DRIVEWAY LOCATIONS
WITH PROPERTY OWNERS.

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

ALLISON ROAD (S-7-159)



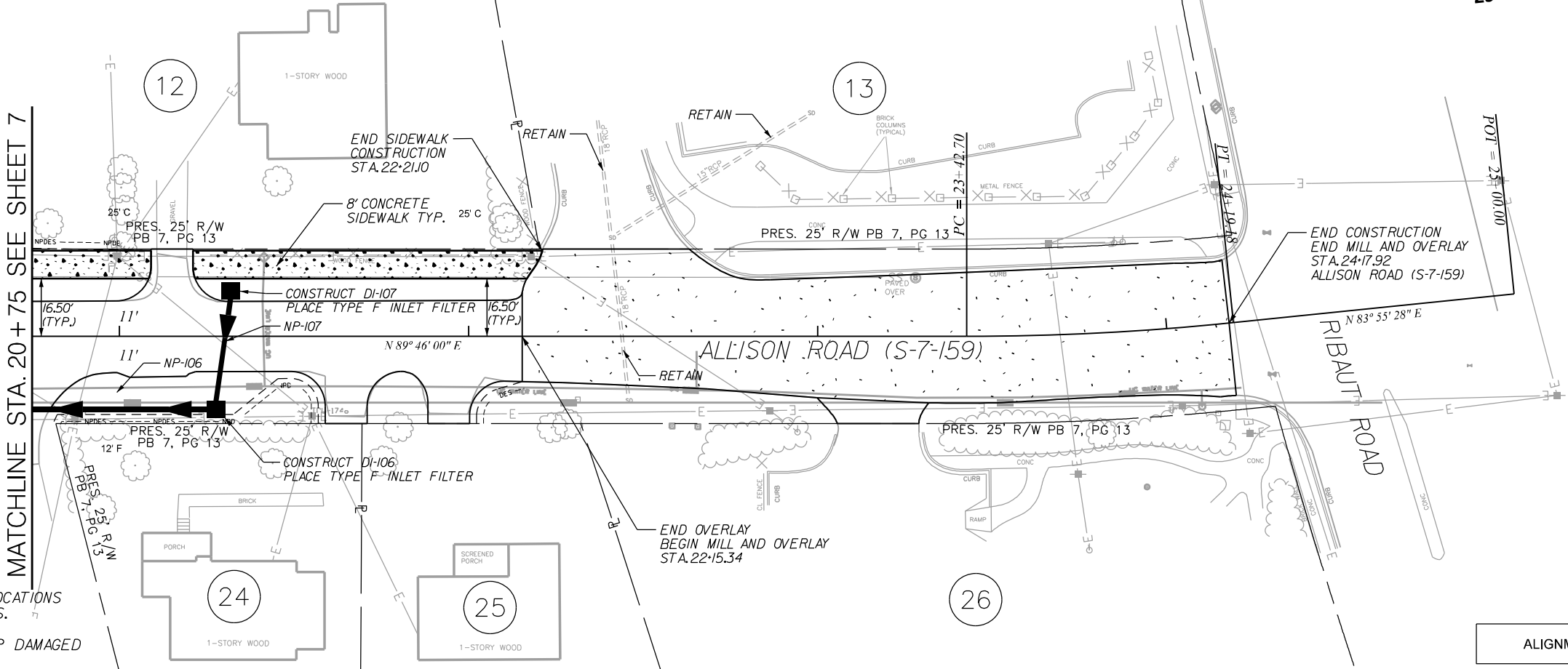
JE INFRASTRUCTURE
CONSULTING & ENGINEERING

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 32916
James Hinson
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 4470
Infrastructure Consulting & Engineering, LLC
Date: 2023.11.08
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BEAUFORT COUNTY
CITY OF BEAUFORT
ALLISON ROAD (S-7-159)
PLAN AND PROFILE SHEET
SHEET 7
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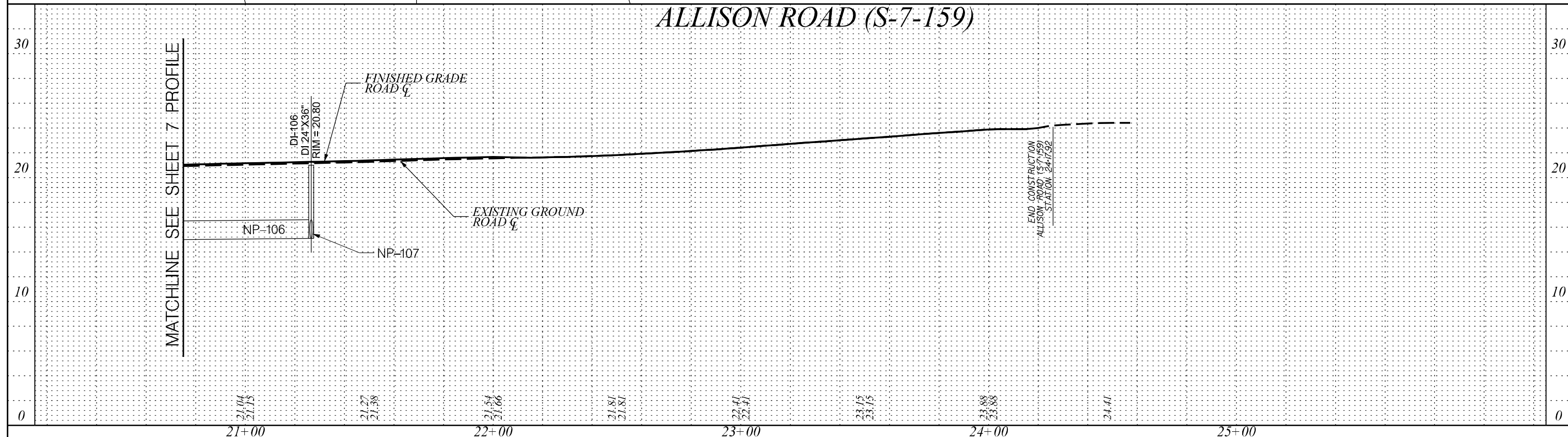
MATCHLINE STA. 20 + 75 SEE SHEET 7



- 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)



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CONSULTING & ENGINEERING

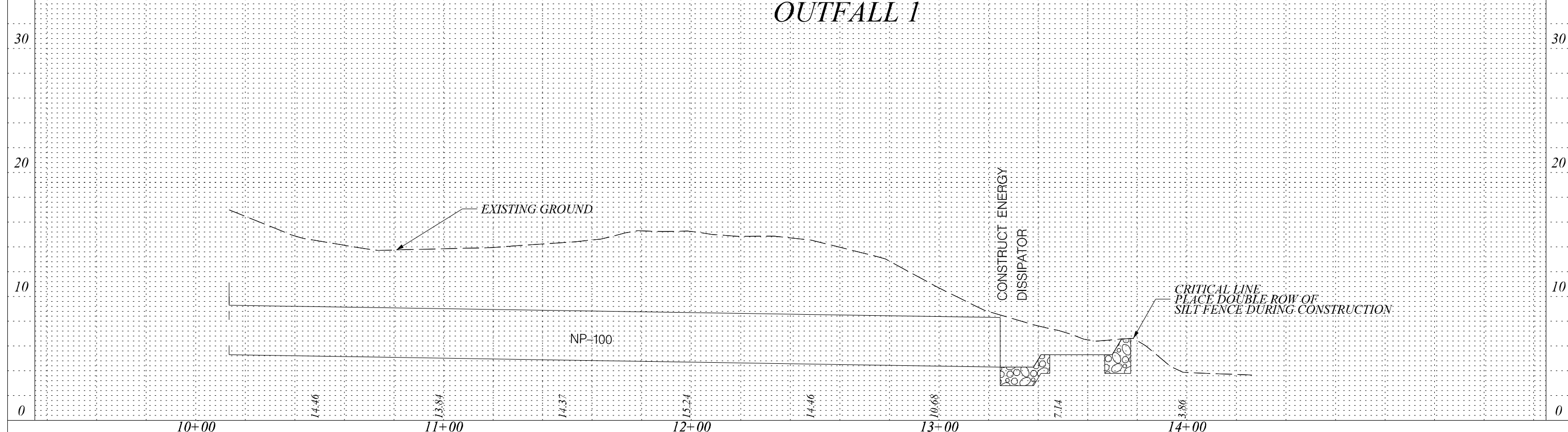
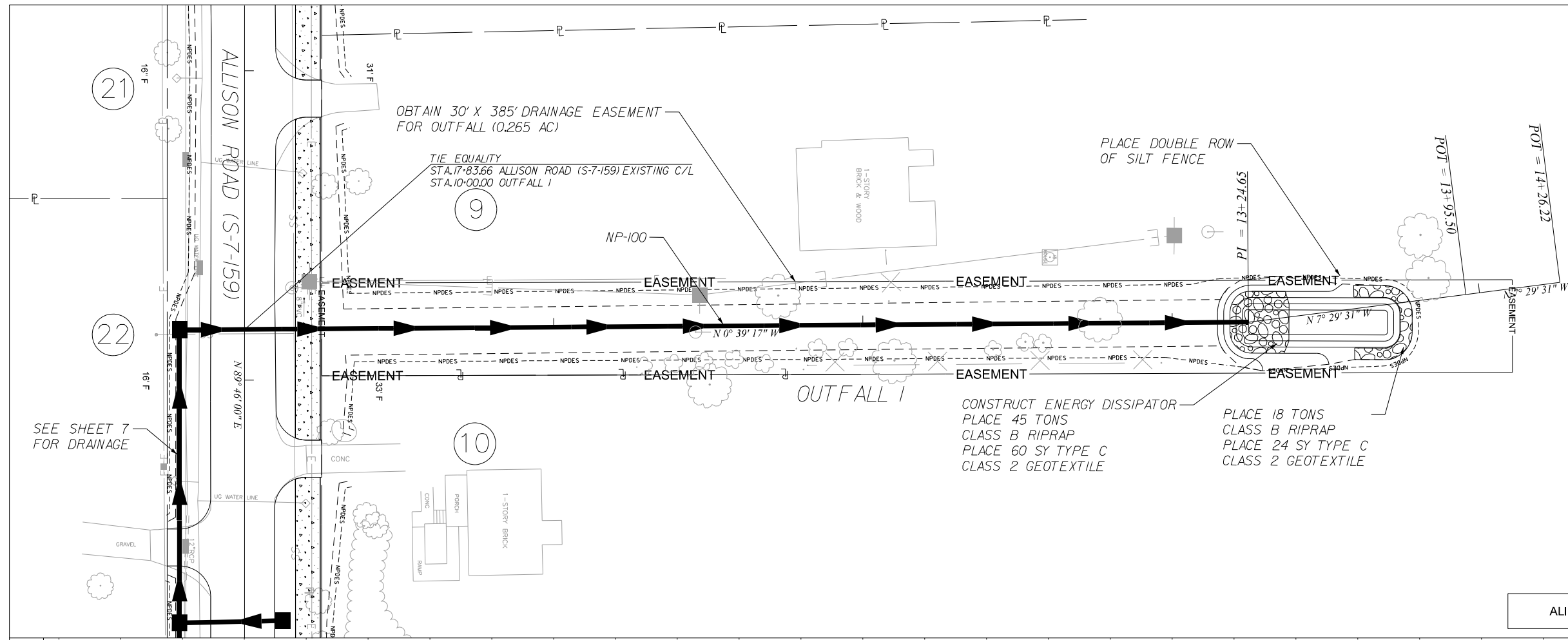
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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET 8 SCALE: 1" = 20'



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 CONSULTING & ENGINEERING



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BEAUFORT COUNTY
 CITY OF BEAUFORT

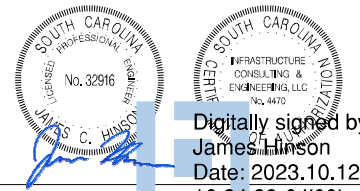
OUTFALL 1
 PLAN AND PROFILE SHEET

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'

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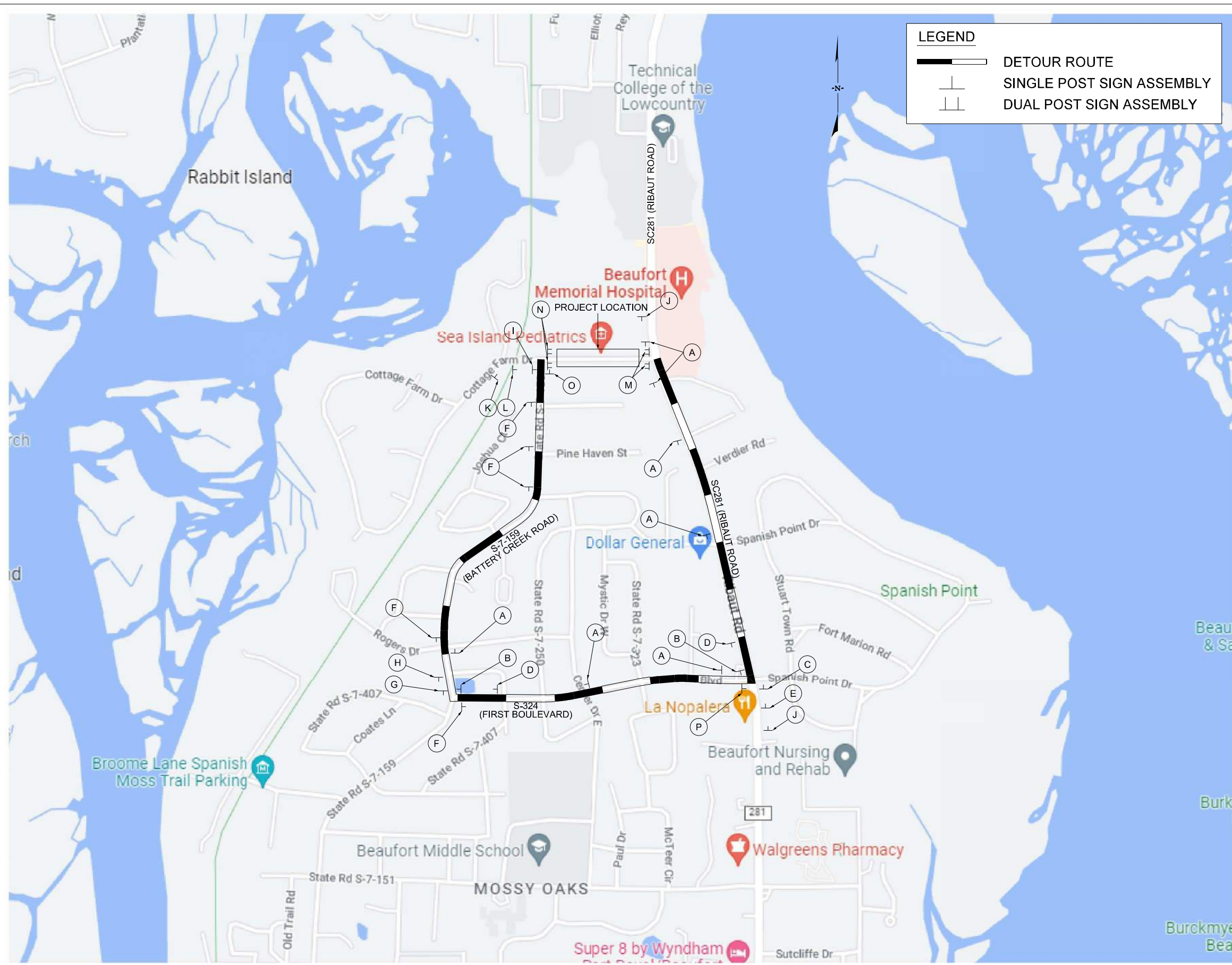
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	TC1

LEGEND

DETOUR ROUTE

SINGLE POST SIGN ASSEMBLY

DUAL POST SIGN ASSEMBLY



Sign Legend:

A-E: Detour signs for Allison Rd. (M4-9-30, M4-9R-30, M4-9L-30, M4-9.1R-30, M4-9.1L-30)

F-I: Detour signs with route numbers (M4-9-30, M4-5-24, M1-5-30-281, etc.)

J-L: Detour Ahead and Road Closed Ahead signs (W20-2-48-A, W20-3-48-A)

M-P: Road Closed to Thru Traffic and End Detour signs (R11-4-60, M4-10L-48, M4-10R-48, M4-8a-24, 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	I	S	O	N	R	D		
1.81	3.38	2.47	2.45	0.66	2.71	2.84	5.73	2.71	0.72	1.81

JE INFRASTRUCTURE CONSULTING & ENGINEERING

South Carolina Professional Engineer
No. 32916
James C. Hinson
Digitally signed by James C. Hinson
Date: 2023.10.12 16:24:35-04'00'

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BEAUFORT COUNTY
CITY OF BEAUFORT

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

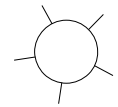



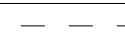
SHEET TC1 SCALE: NTS

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL1

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.

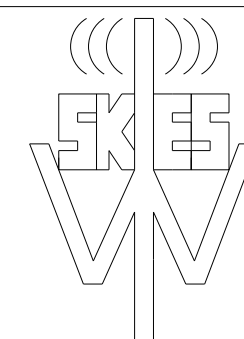
POLE DATA TABLE

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			
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



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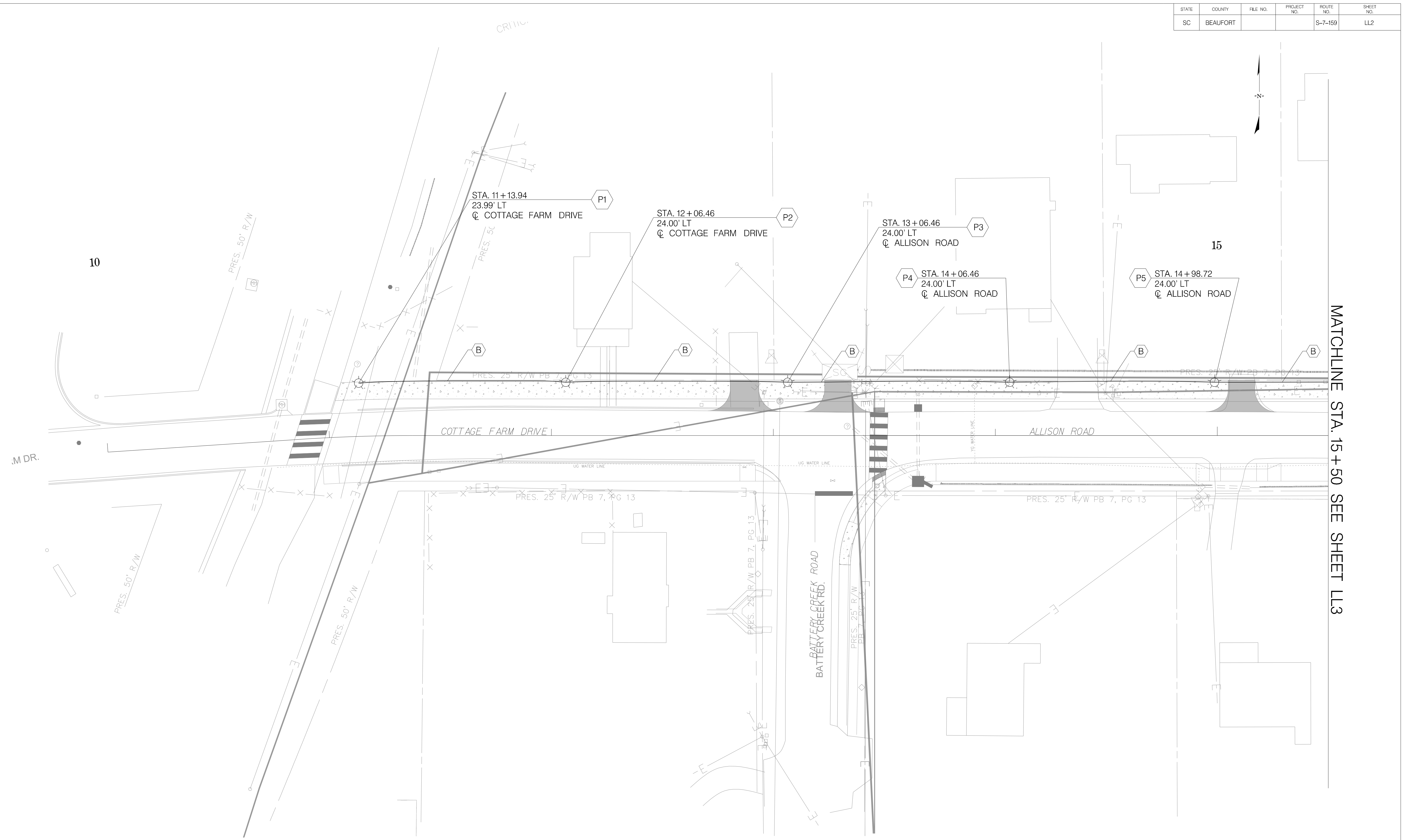
BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET LL1

NOT TO SCALE

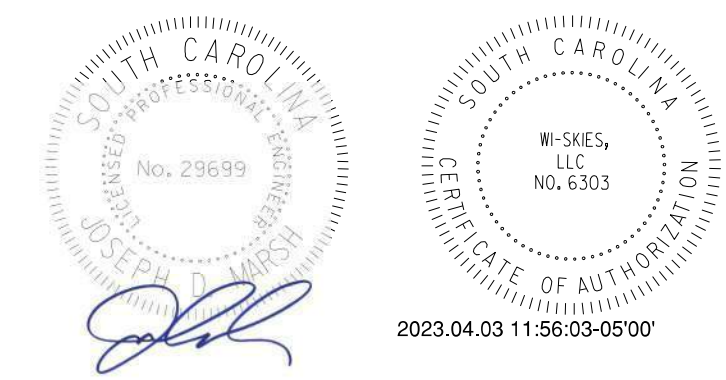
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL2



MATCHLINE STA. 15 + 50 SEE SHEET LL3



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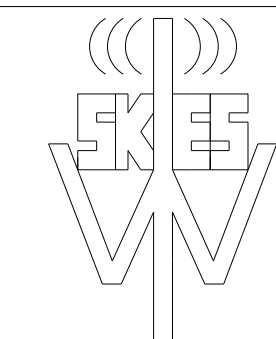
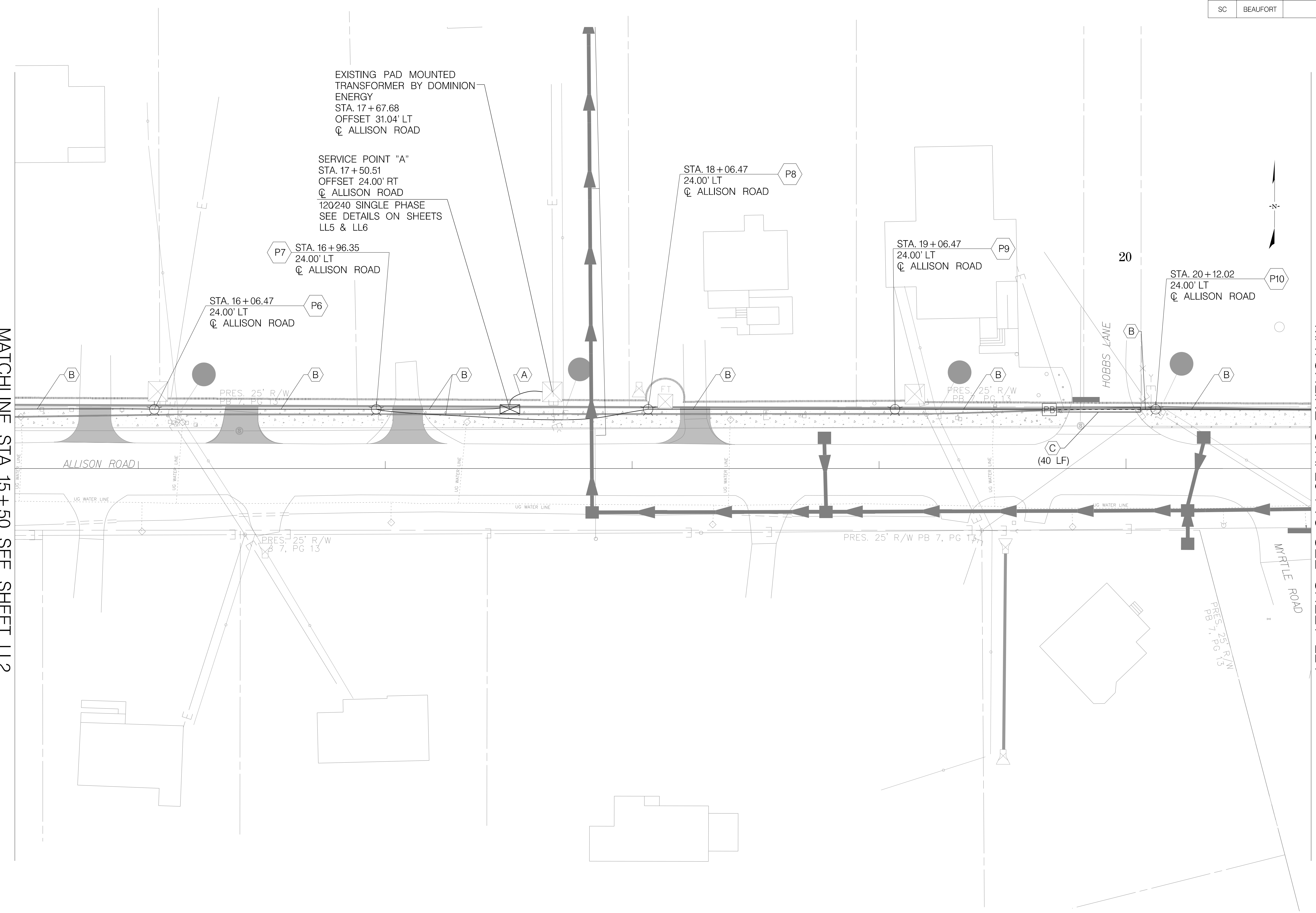
BEAUFORT COUNTY
CITY OF BEAUFORT

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

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

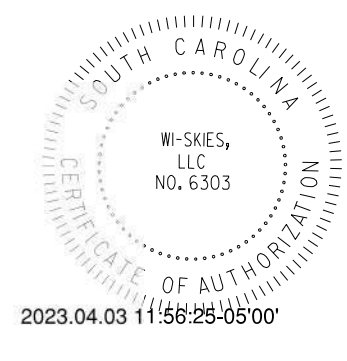
MATCHLINE STA. 15+50 SEE SHEET LL2

MATCHLINE STA. 20+75 SEE SHEET LL4



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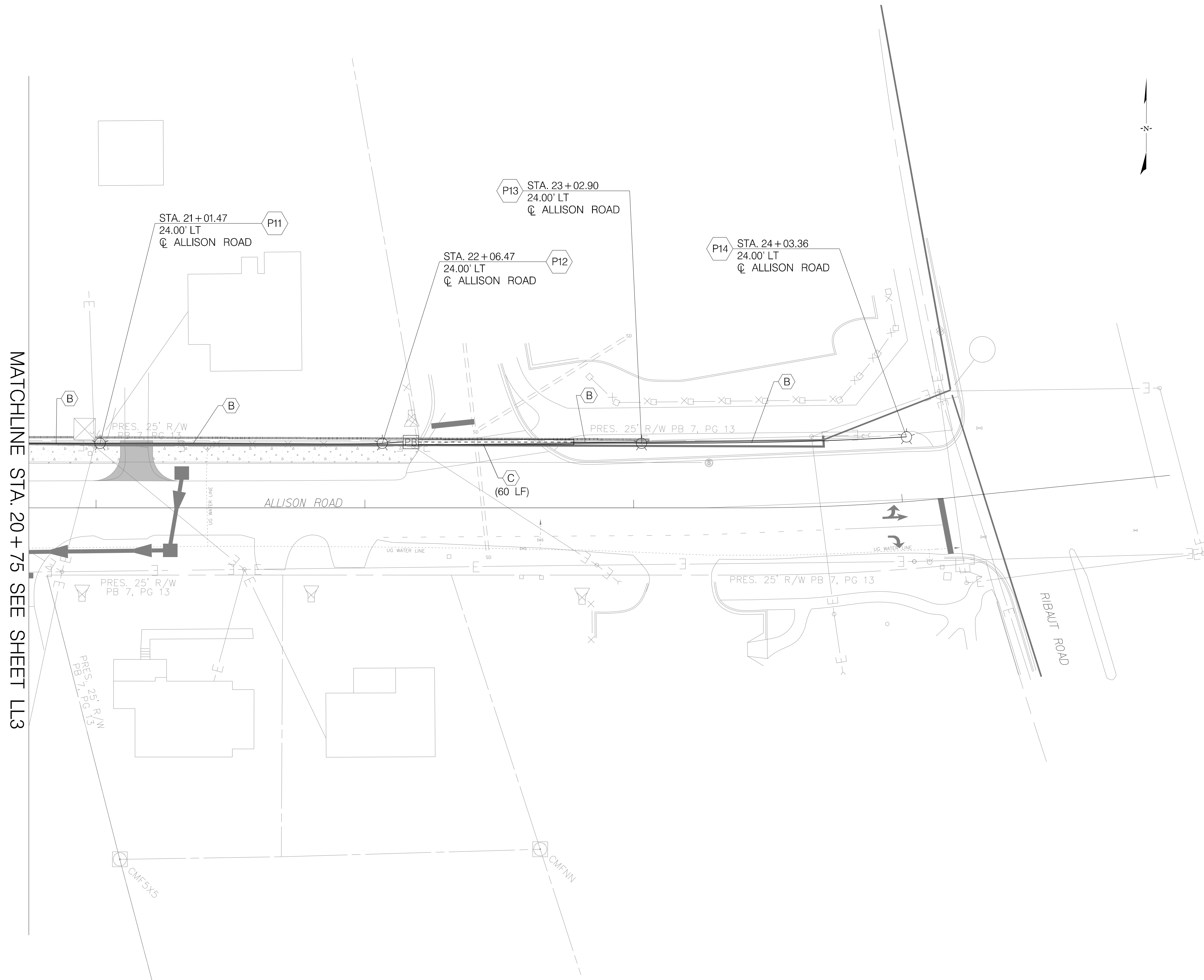
BEAUFORT COUNTY
CITY OF BEAUFORT

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

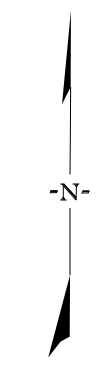
SHEET LL3

SCALE: 1" = 20'

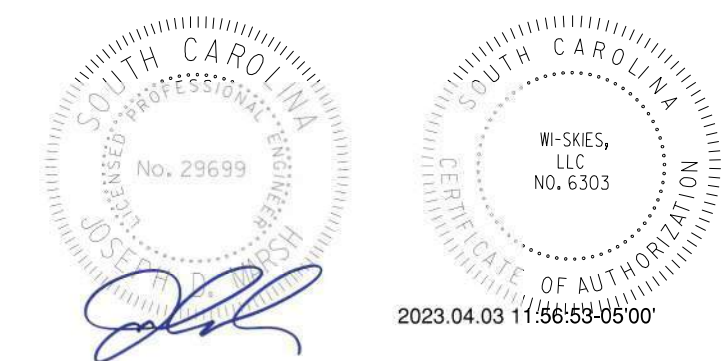
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL4



MATCHLINE STA. 20 + 75 SEE SHEET LL3



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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET LL4

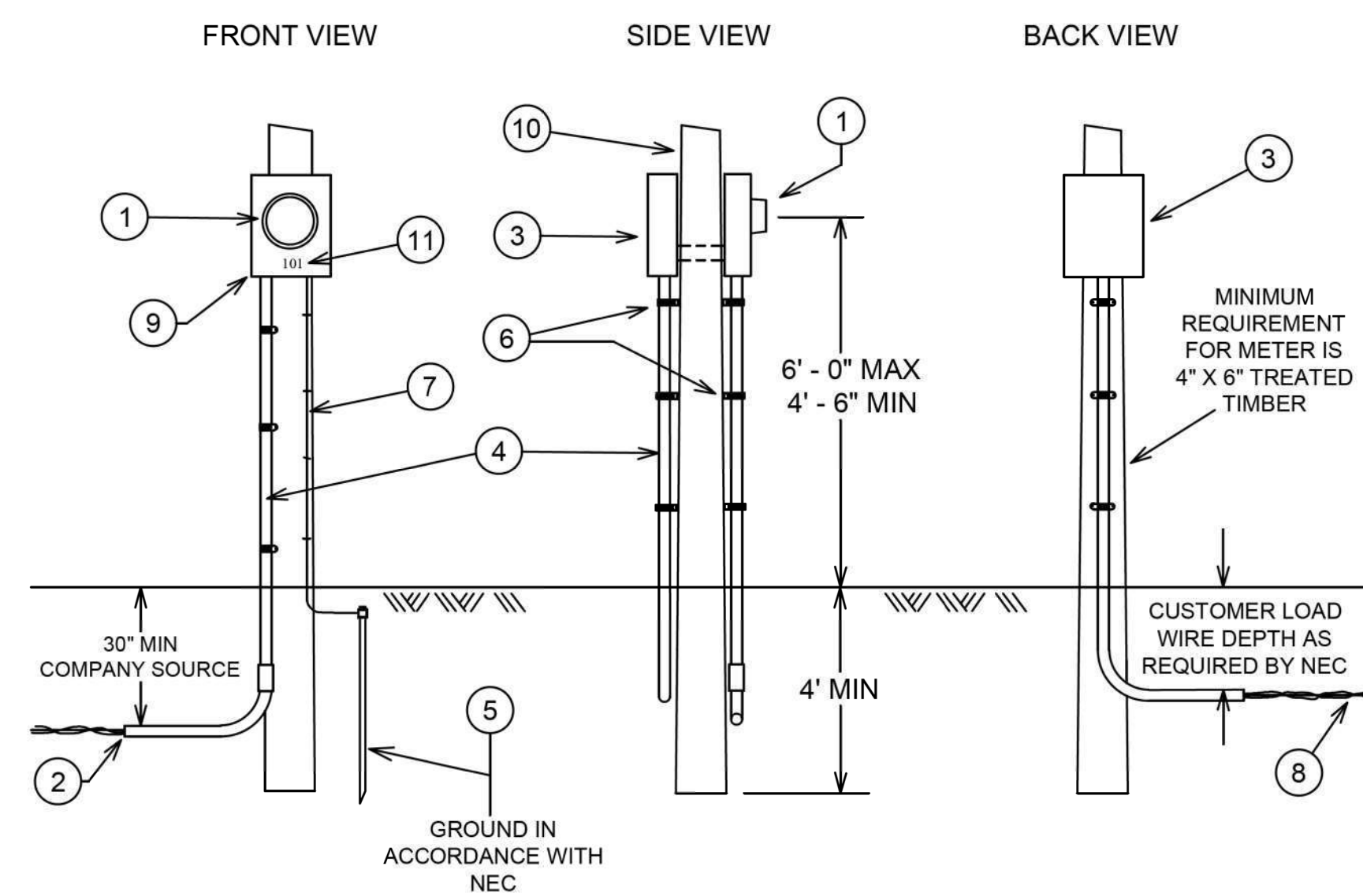
SCALE: 1" = 20'

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:

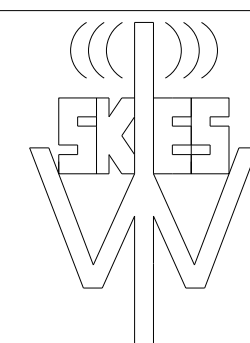
ITEM #	DESCRIPTION
3	CABINET AND CIRCUIT BREAKER(S)
4	CONDUIT (GALVANIZED IRON OR PVC) 2 INCH MIN DIAMETER
5	GROUND ROD (5/8" X 8' GALVANIZED OR COPPER CLAD)
6	PIPE STRAPS (SECURELY ATTACHING CONDUIT)
7	COPPER GROUND WIRE #6 MIN. (ALUMINUM NOT ACCEPTABLE)
8	SERVICE CONDUCTORS
9	METER SOCKET (RINGLESS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



SERVICE POINT ELEVATION

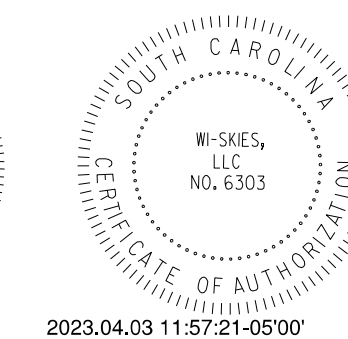
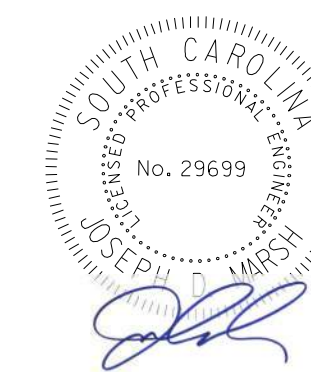
NOTES:

- 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.



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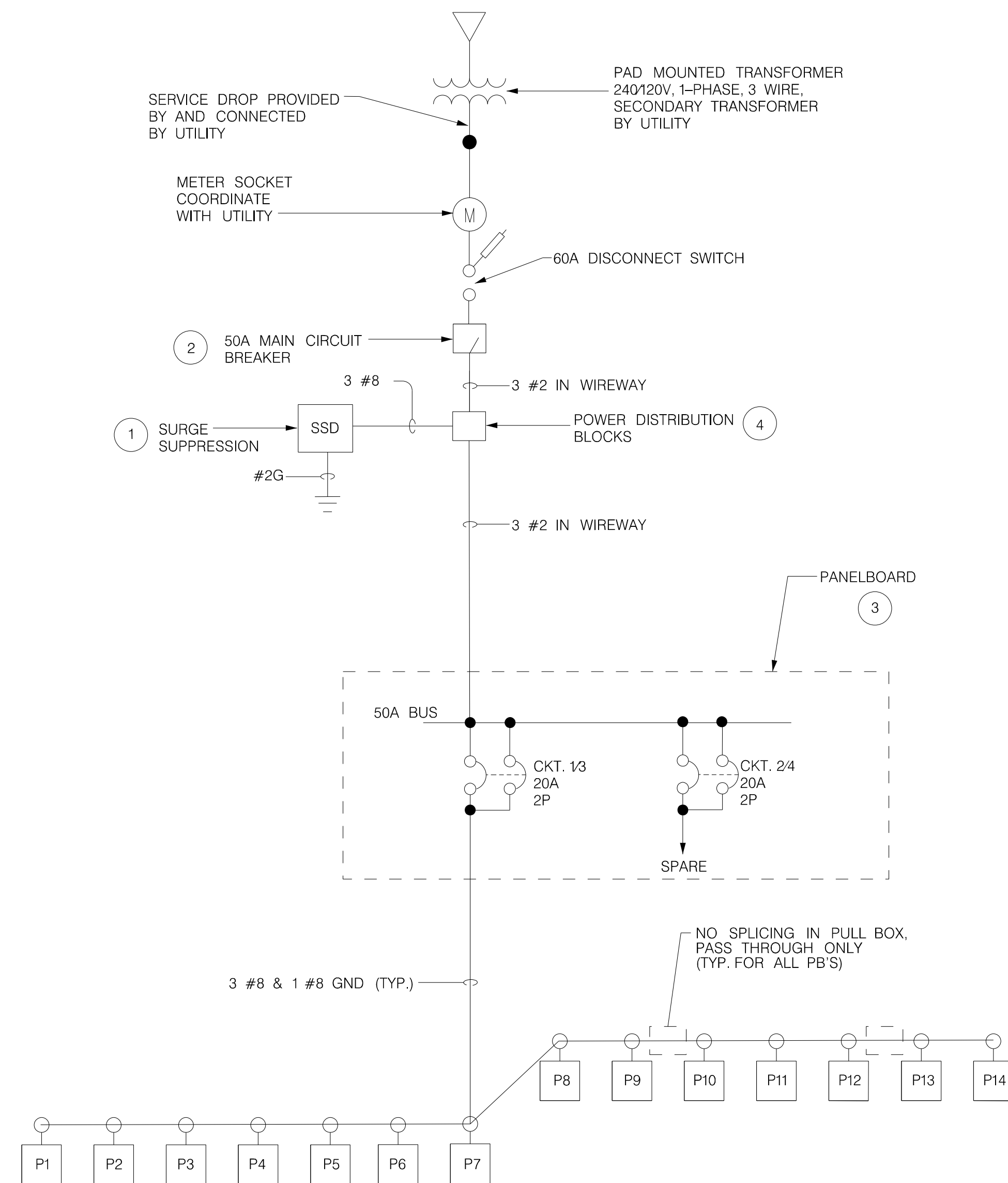
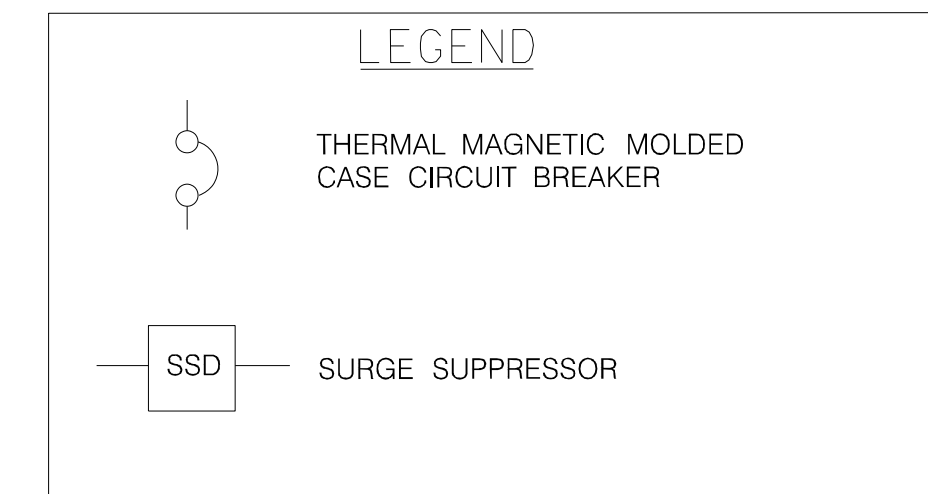
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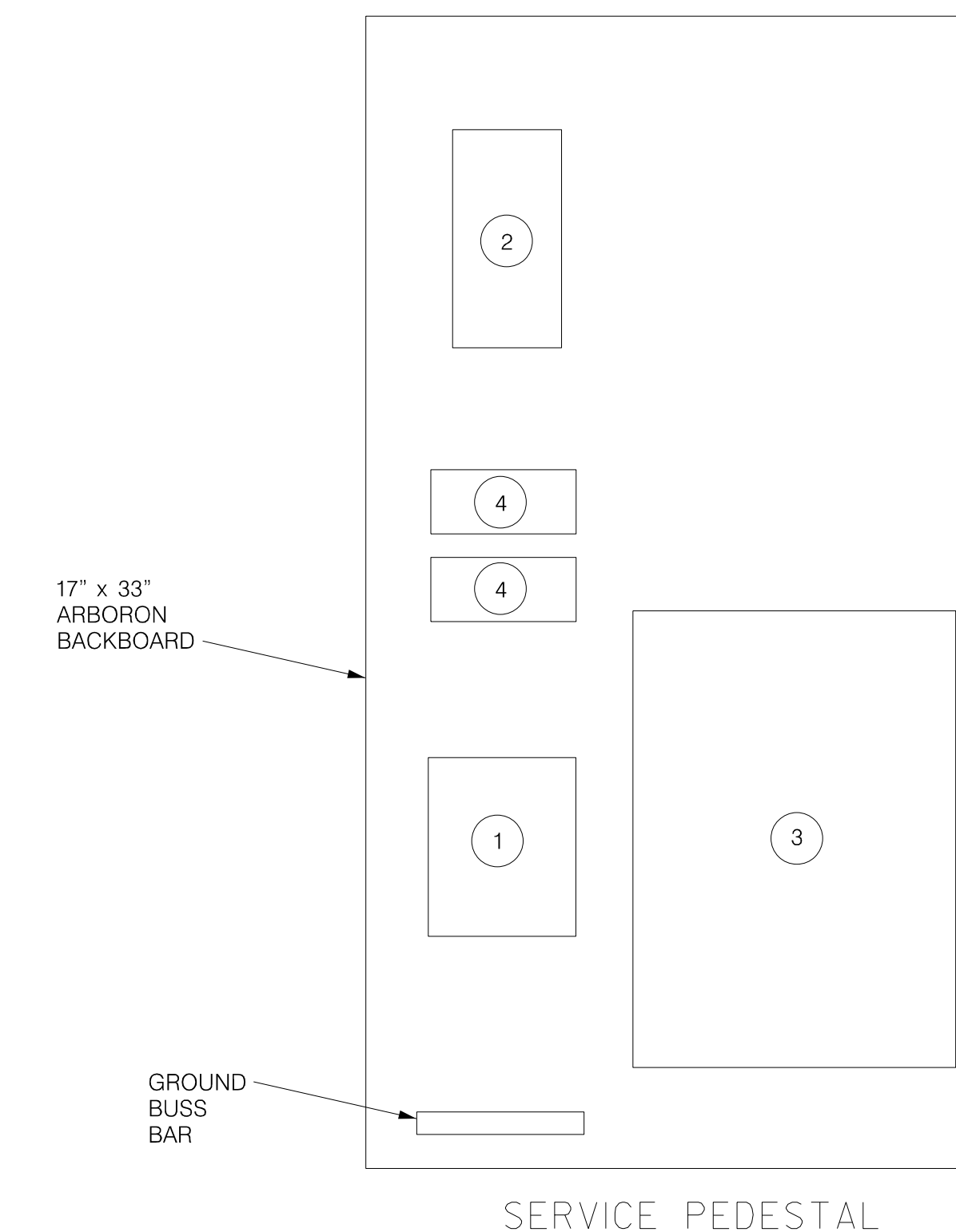
BEAUFORT COUNTY CITY OF BEAUFORT	
ALLISON ROAD (S-7-159) LIGHTING PLAN SHEET SERVICE PEDESTAL WITH METER DETAIL	
SHEET LL5	NOT TO SCALE

NOTES

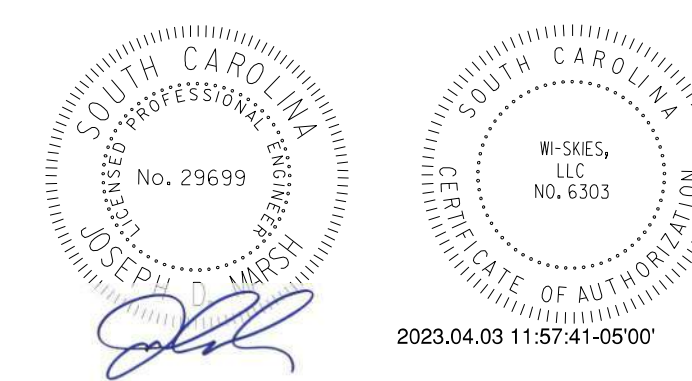
- 1 SURGE SUPPRESSOR SHALL BE SUITABLE FOR CONNECTION TO 120/240V, 1 PHASE SERVICE. THE SURGE SUPPRESSOR SHALL HAVE MINIMUM SURGE CURRENT RATING OF 130,000A PER PHASE AND SHALL PROVIDE L-L, L-N & N-G PROTECTION. THE SURGE SUPPRESSOR SHALL HAVE RED STATUS LED AND SHALL BE U.L. 1449 AND 1283 LISTED. SURGE 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"



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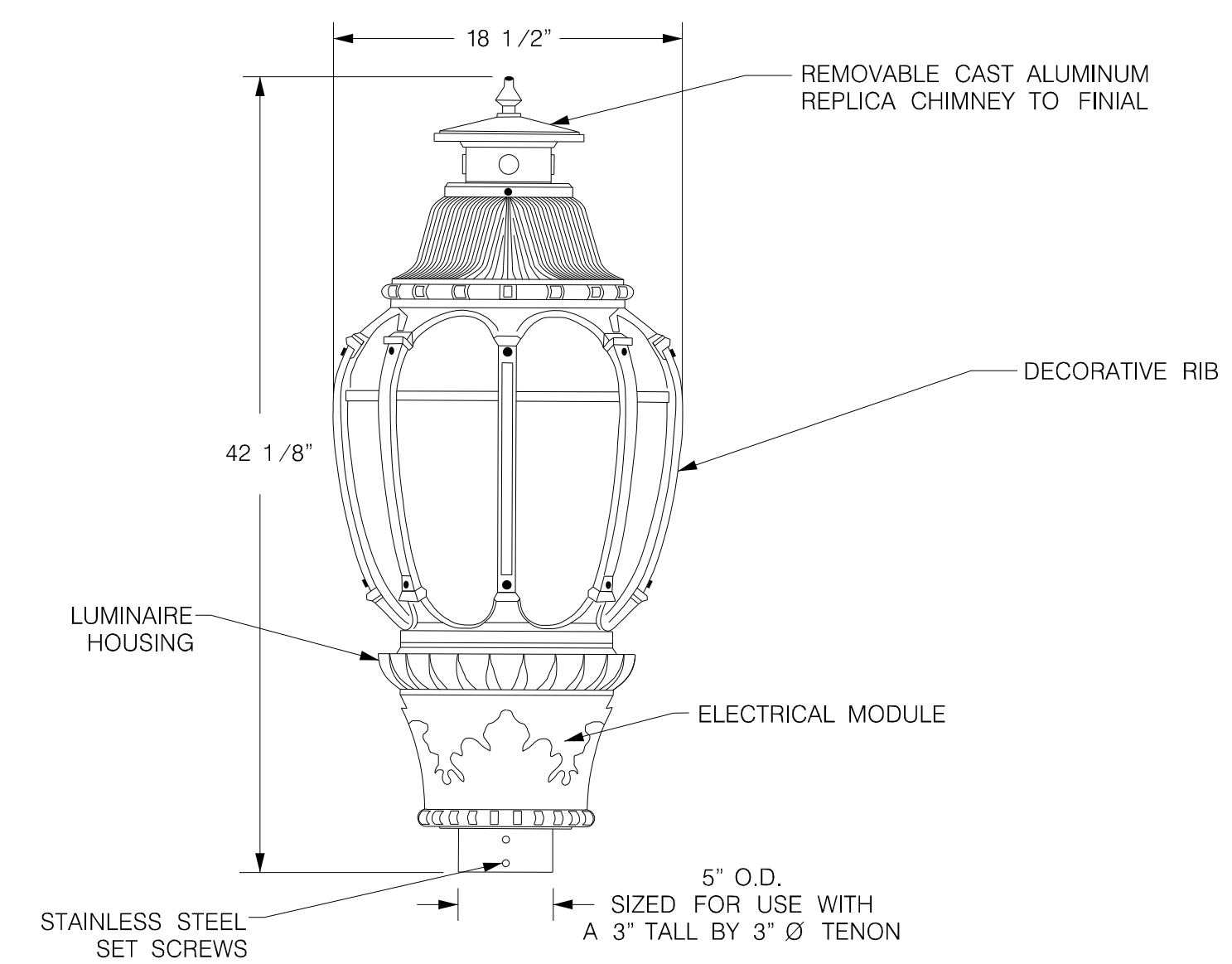
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BEAUFORT COUNTY
CITY OF BEAUFORT

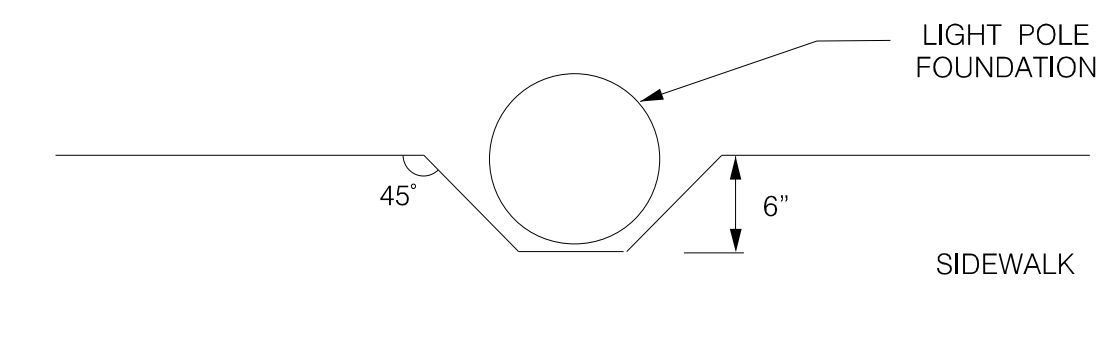
ALLISON ROAD (S-7-159)
LIGHTING PLAN SHEET
SERVICE POINT "A" DETAILS

SHEET LL6 NOT TO SCALE

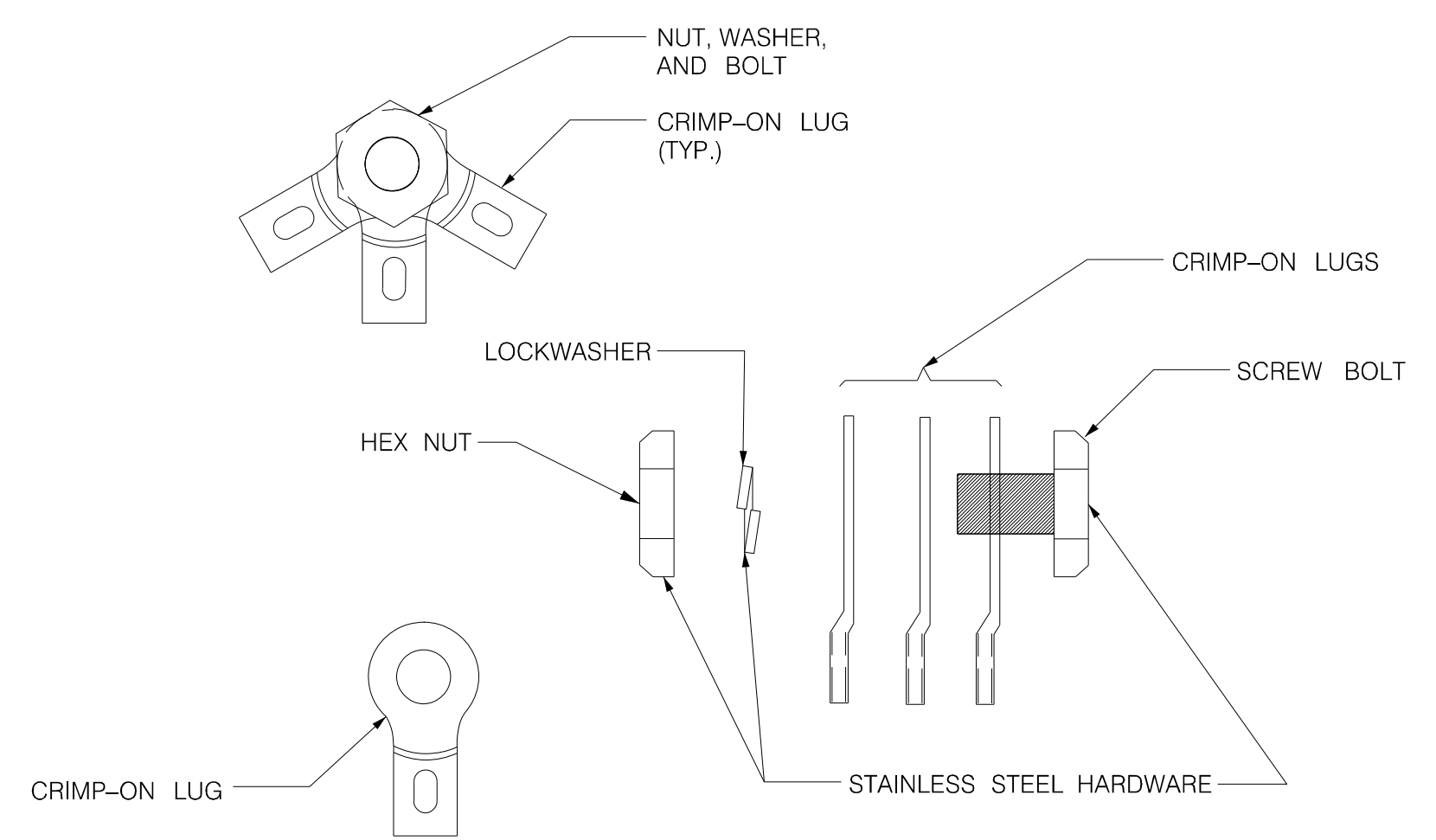
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			S-7-159	LL7



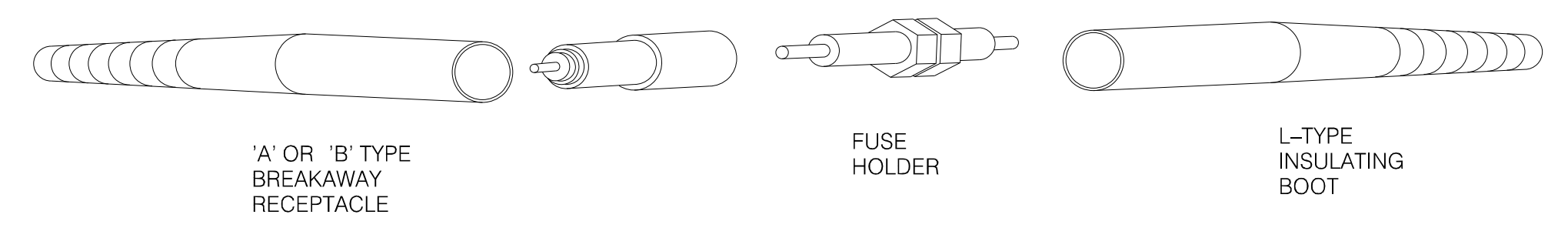
LUMINAIRE DETAIL



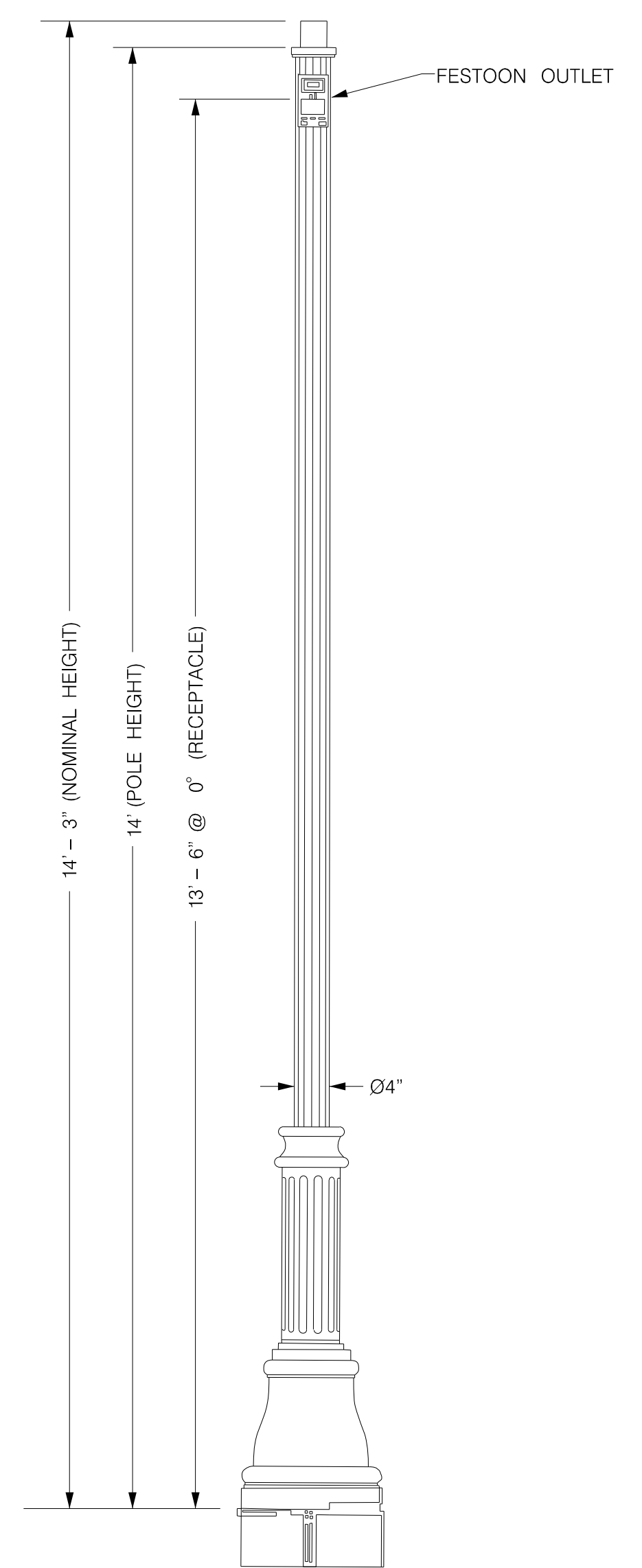
NOTCH DETAIL FOR LIGHT POLE INSTALLATION
(TYP. FOR P1 THRU P12)



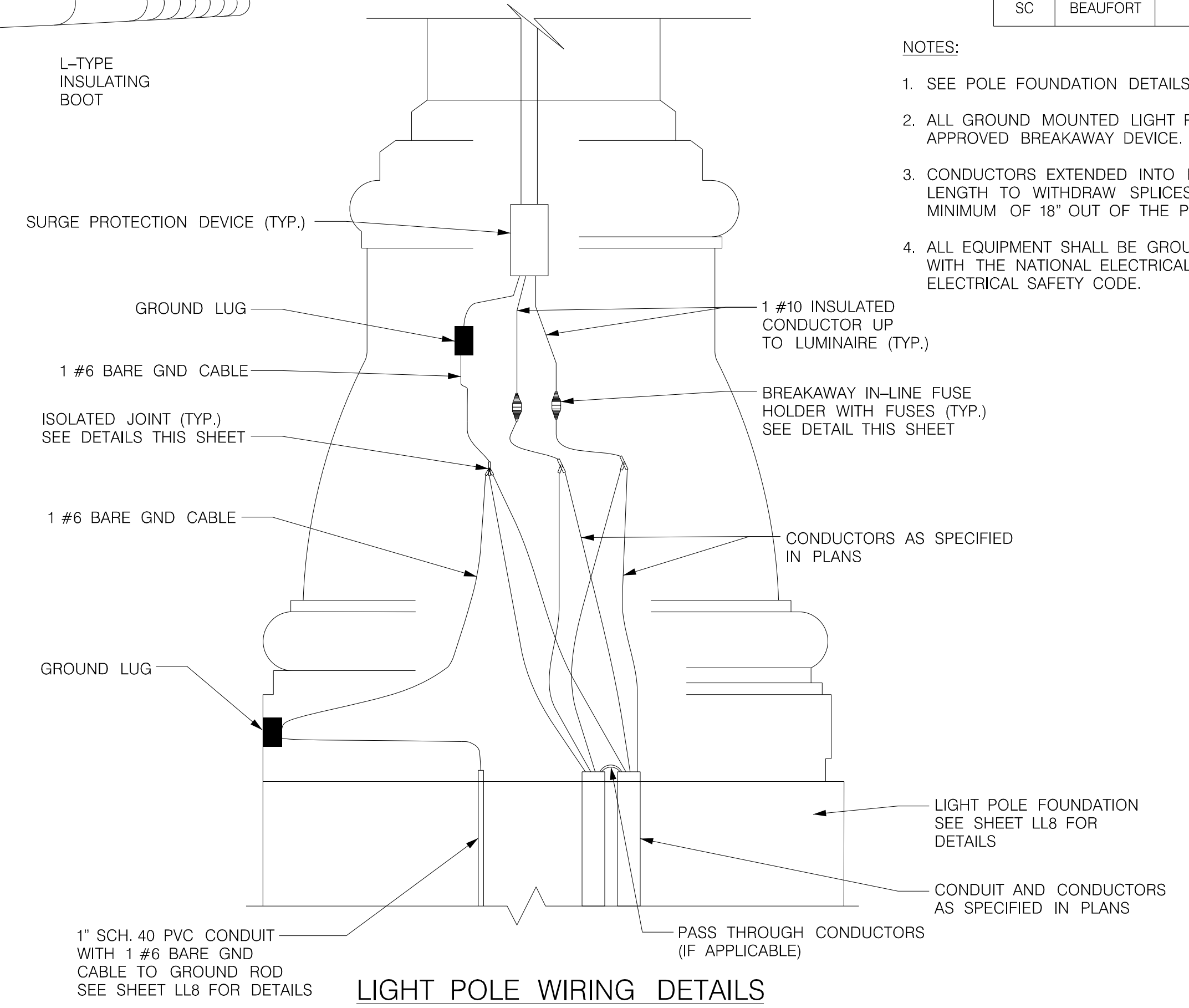
ISOLATED JOINT DETAIL



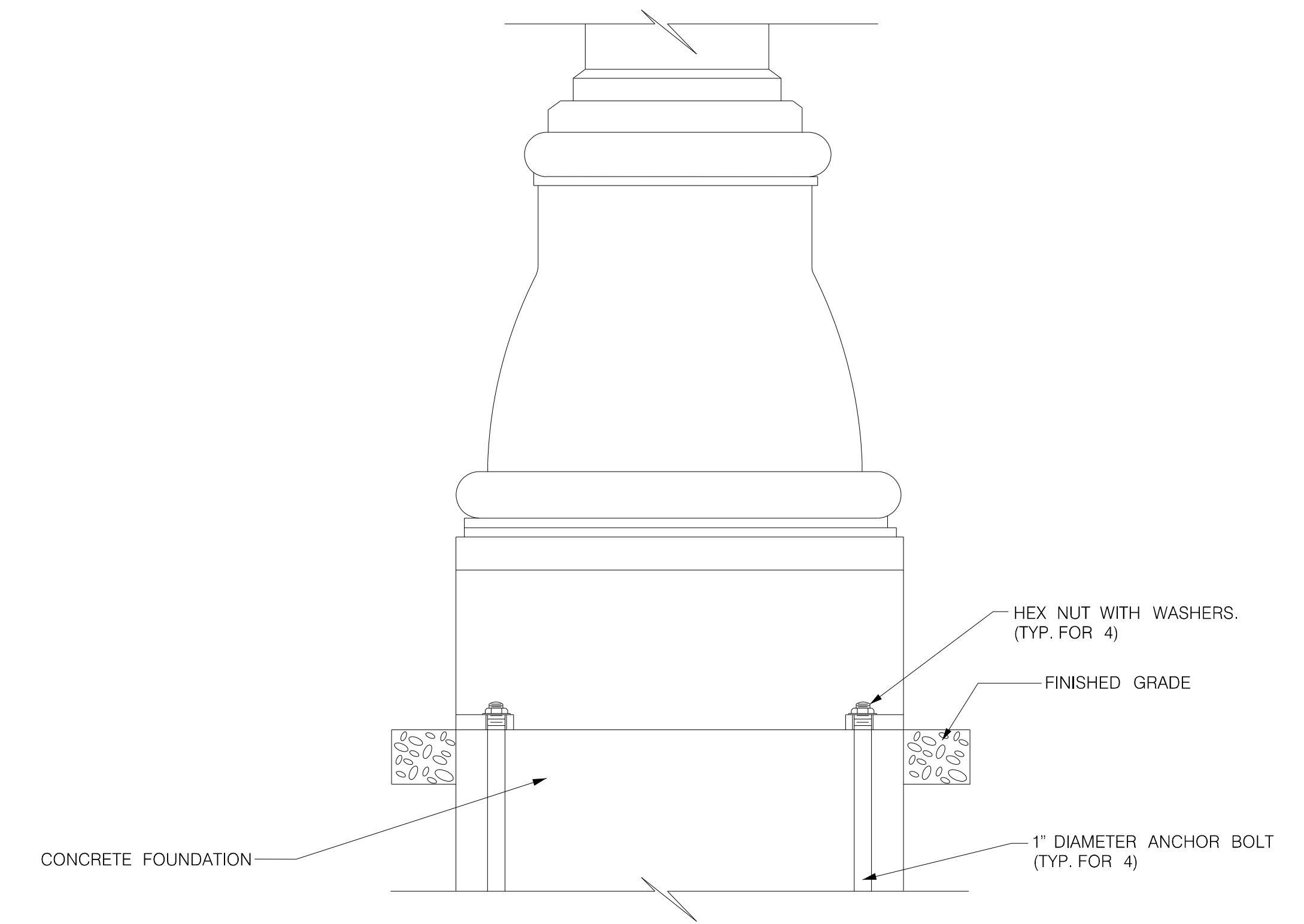
IN-LINE FUSE HOLDER WITH BREAKAWAY FEATURE DETAIL



POLE DETAIL



LIGHT POLE WIRING DETAILS



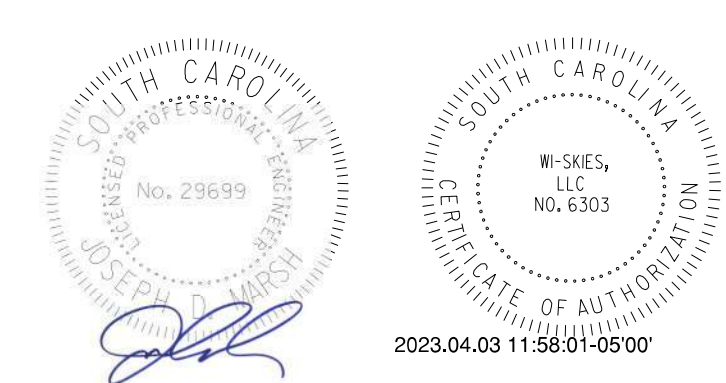
LIGHT POLE MOUNTING DETAIL

NOTES:

1. SEE POLE FOUNDATION DETAILS ON SHEET LL8.
2. ALL GROUND MOUNTED LIGHT POLES ARE TO BE MOUNTED ON FHWA APPROVED BREAKAWAY DEVICE.
3. 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.
4. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.



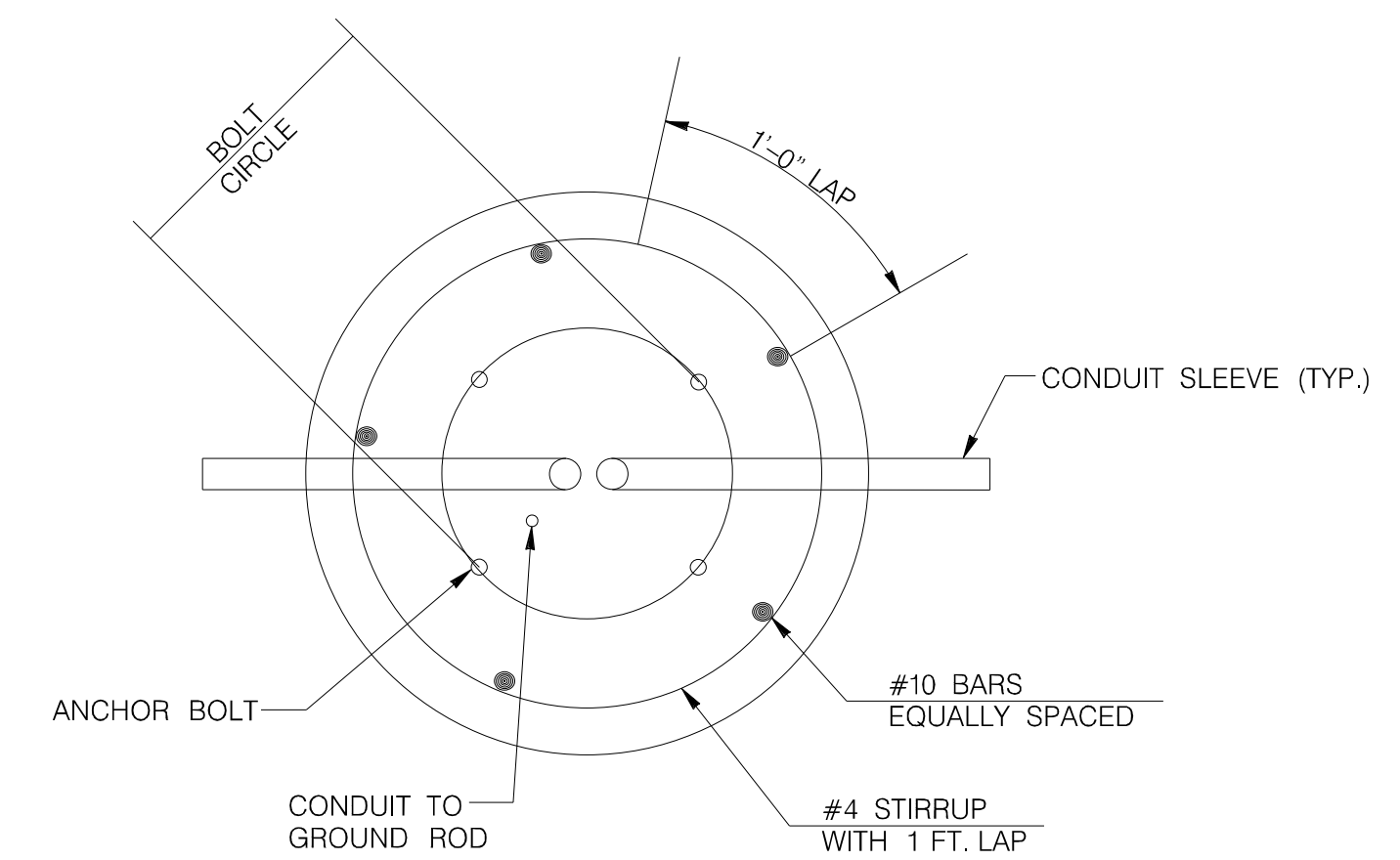
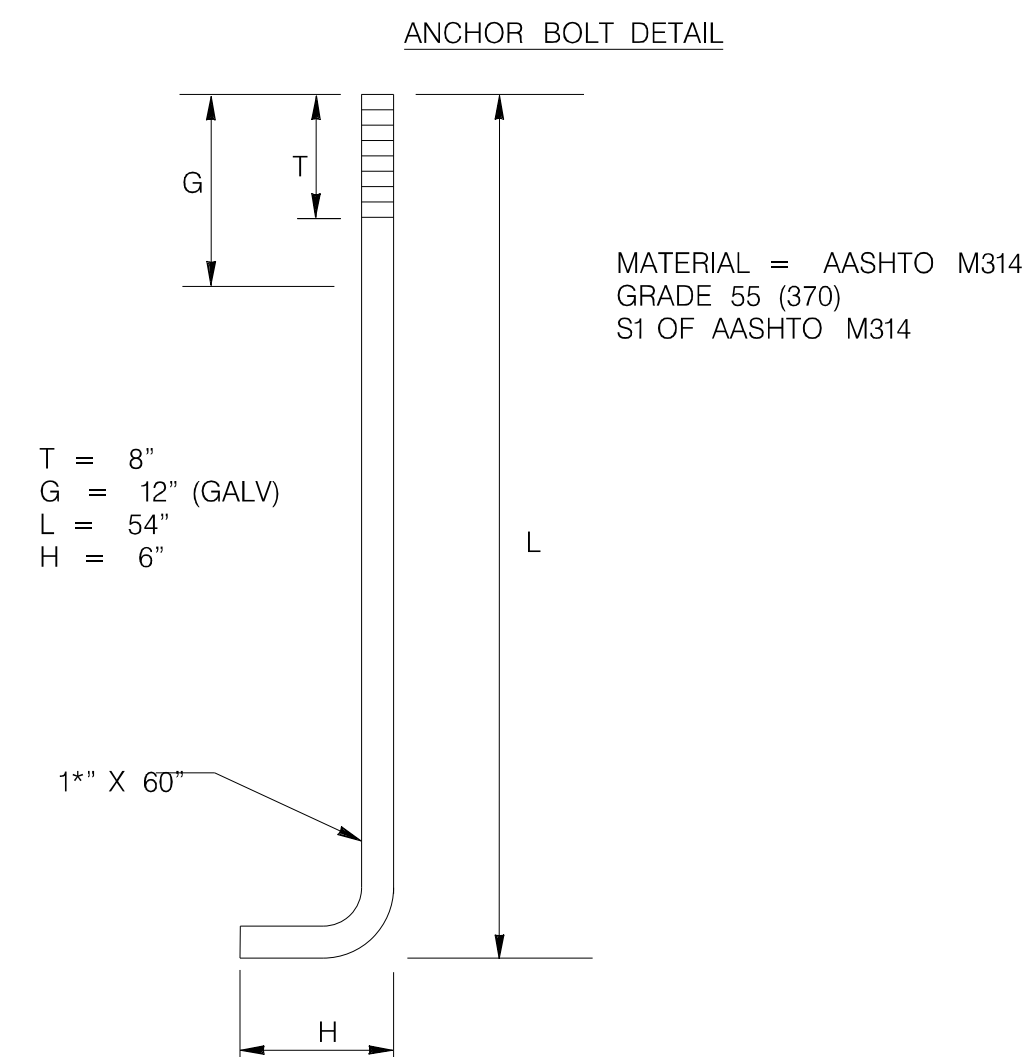
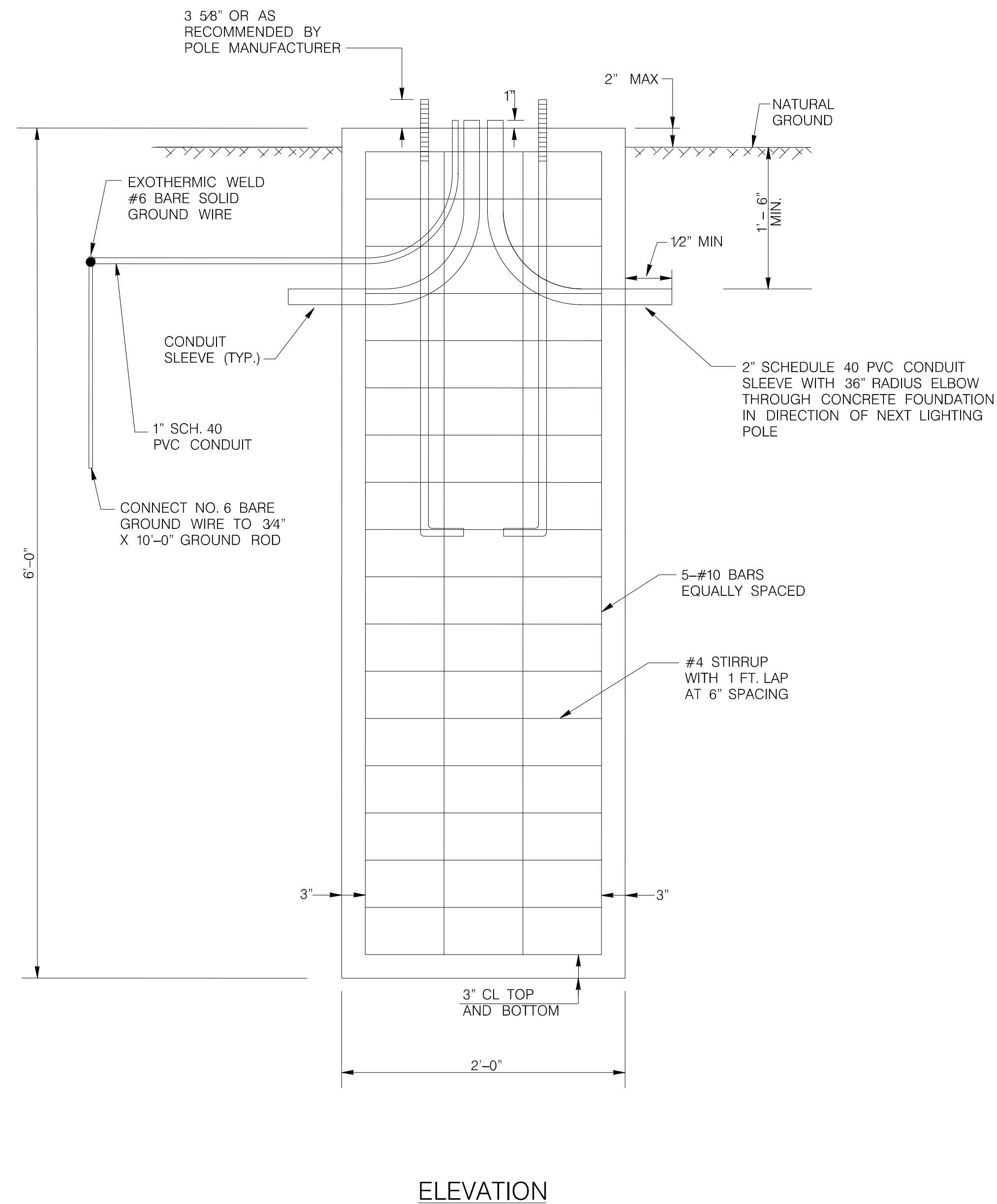
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BEAUFORT COUNTY
CITY OF BEAUFORT

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



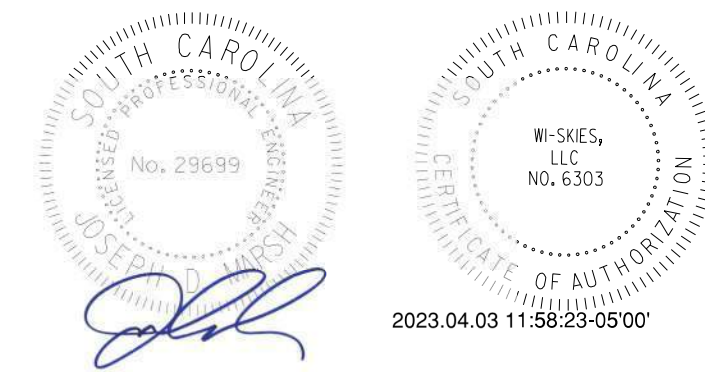
PLAN

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.



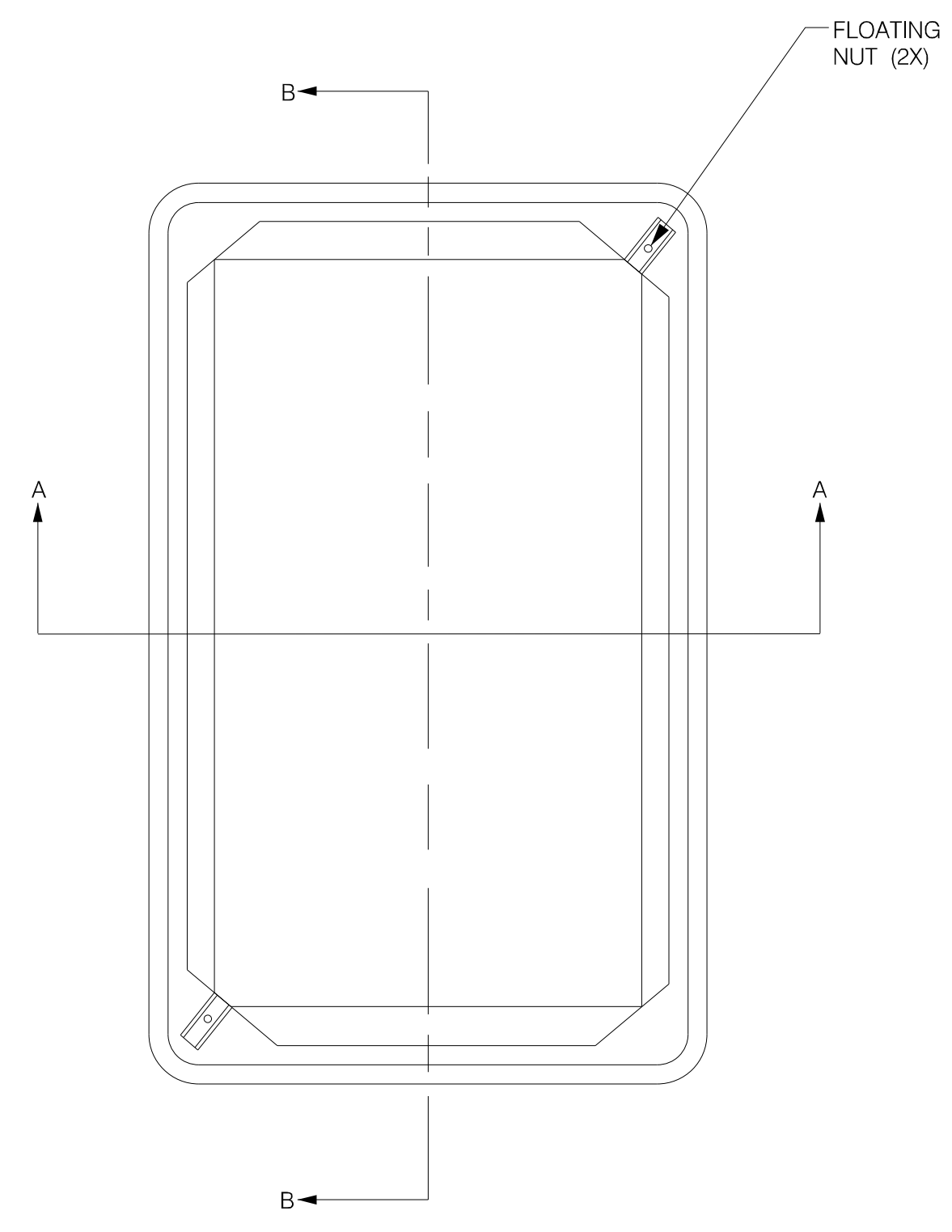
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CONSULTING & ENGINEERING



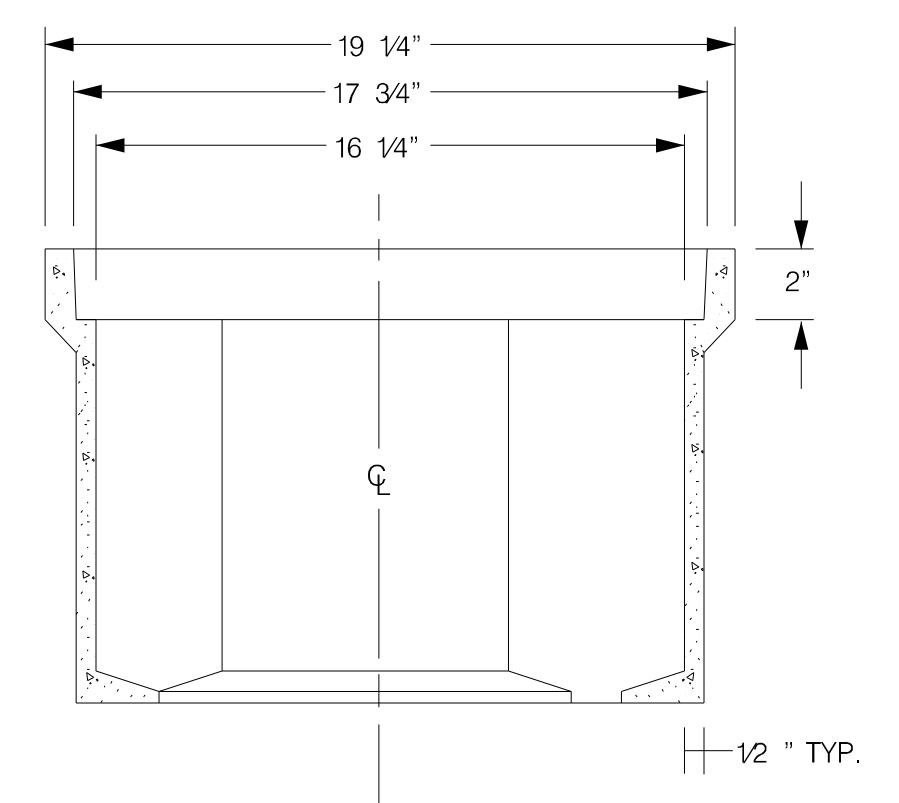
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BEAUFORT COUNTY
CITY OF BEAUFORT

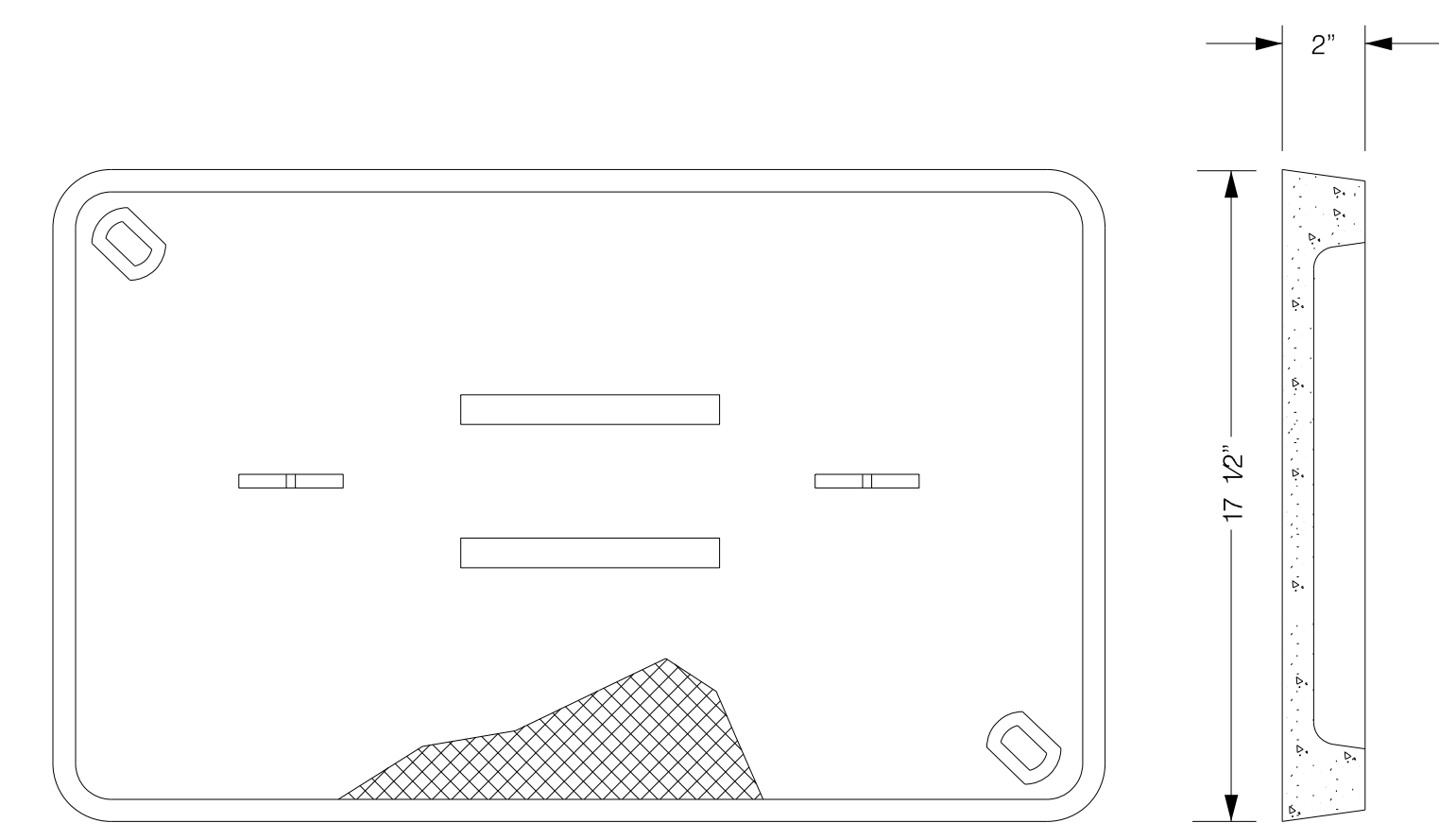
ALLISON ROAD (S-7-159)
LIGHTING PLAN SHEET
POLE FOUNDATION DETAILS



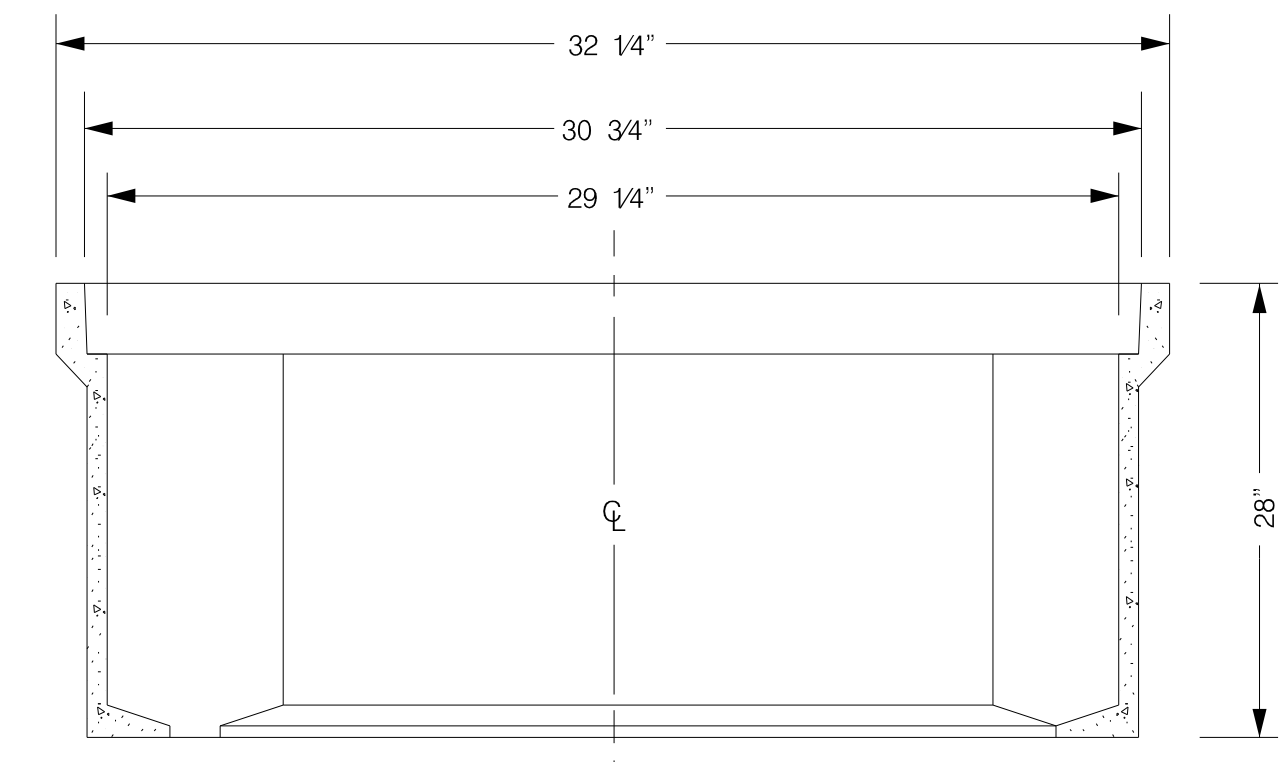
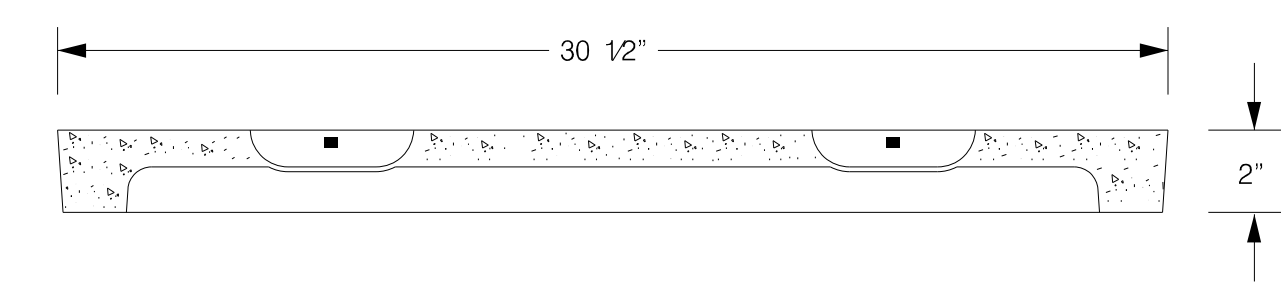
PLAN VIEW



SECTION A-A



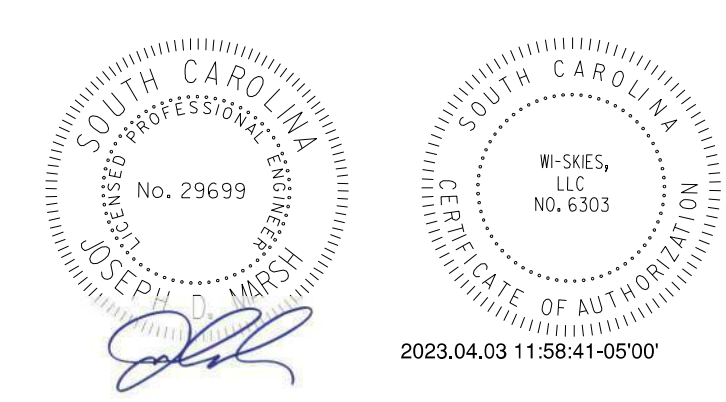
POLYMER CONCRETE COVER



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.

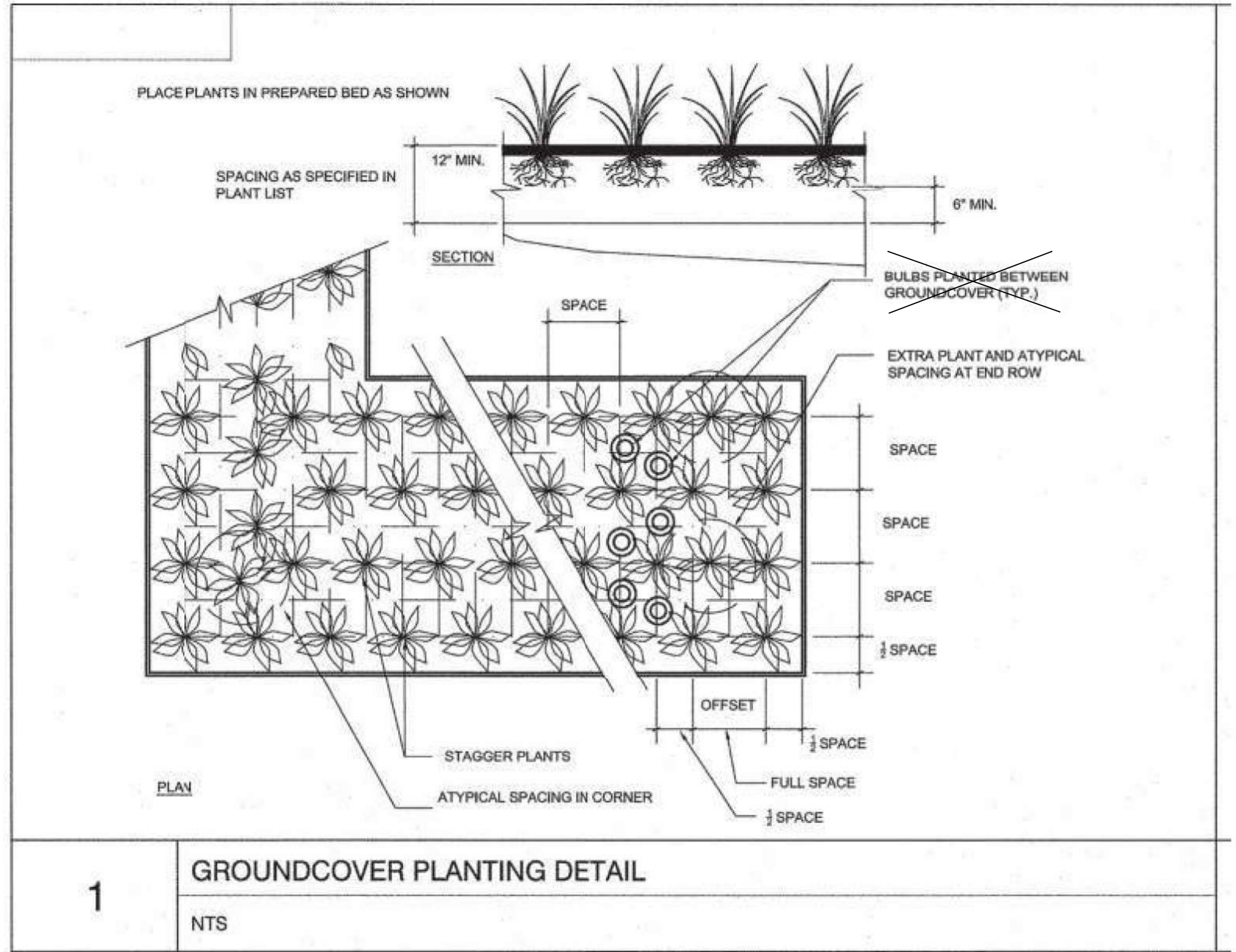


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BEAUFORT COUNTY
CITY OF BEAUFORT

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

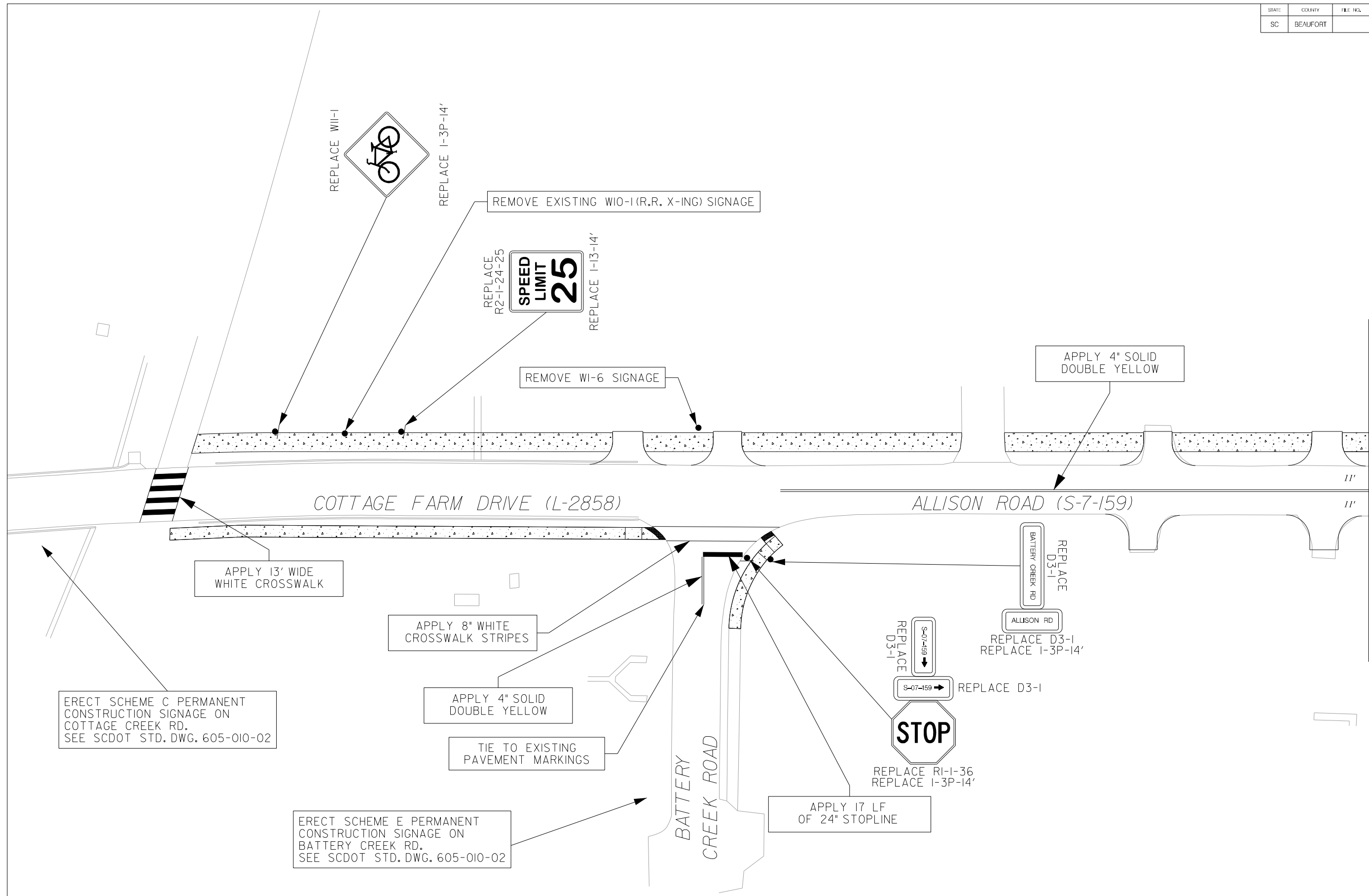
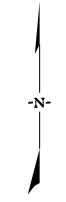
SHEET LL9 NOT TO SCALE



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 NURSERY STOCK (ASNS).

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



MATCHLINE STA. 16+00 SEE SHEET PM2

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CONSULTING & ENGINEERING



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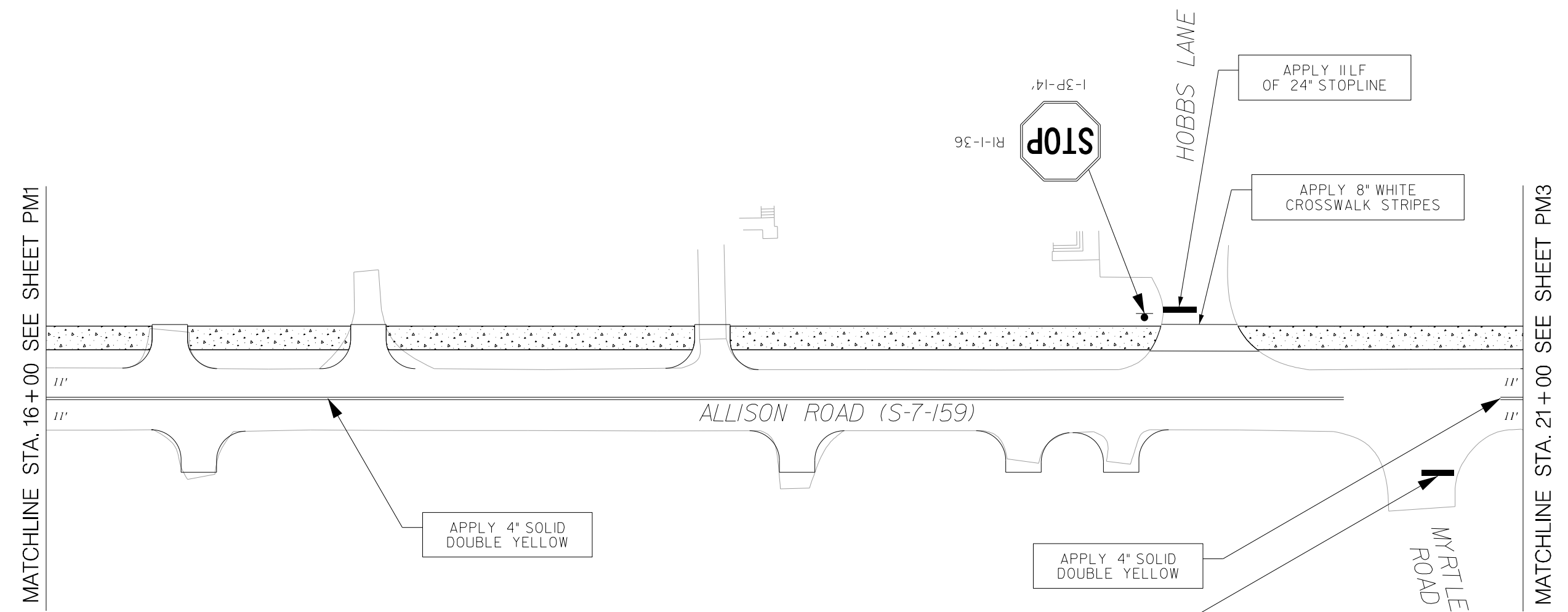
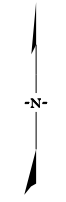
BEAUFORT COUNTY
CITY OF BEAUFORT

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

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CONSULTING & ENGINEERING



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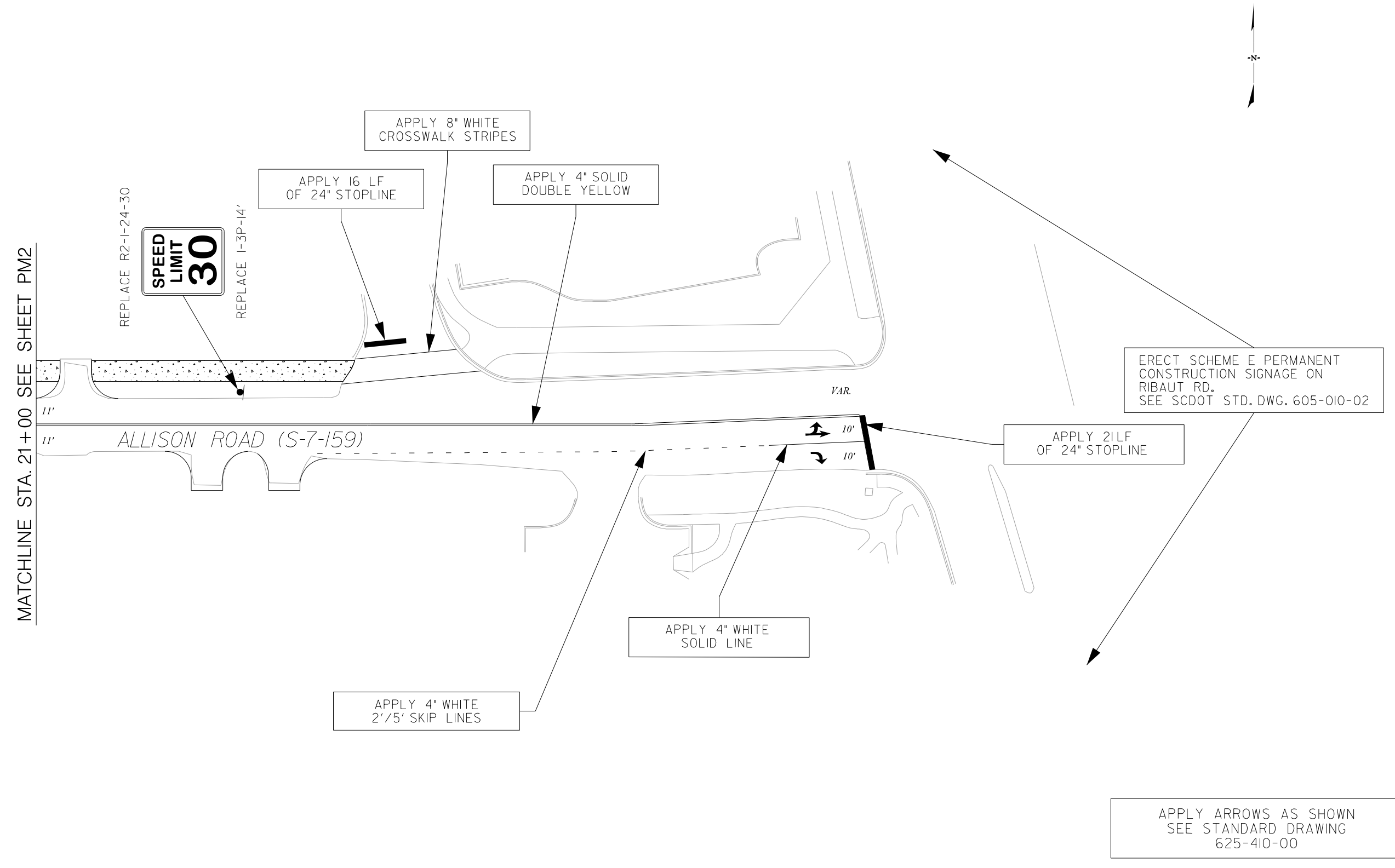
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BEAUFORT COUNTY
CITY OF BEAUFORT

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 RIBAULT 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



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BEAUFORT COUNTY
CITY OF BEAUFORT

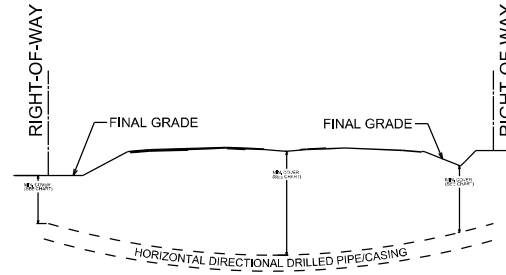
ALLISON ROAD (S-7-159)
PAVEMENT MARKING &
SIGNAGE SHEET

SHEET PM3 SCALE: 1" = 20'

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

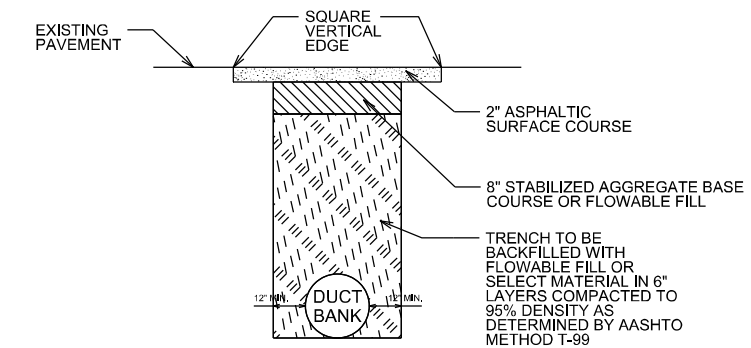
* NOTES:

- 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.
- 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.
- 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.
- 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.
- EXISTING UTILITIES SHOWN ARE FOR INFORMATION ONLY. CONTRACTOR TO CONFIRM DEPTHS AND ADJUST ACCORDINGLY. CONTRACTOR SHALL MEET ALL MINIMUM BENDING RADII.
- BEFORE DIGGING, CONTACT SC811 UNDERGROUND UTILITY LOCATE SERVICE.
- BEFORE DIGGING IN THE VICINITY OF GAS LINES, NOTIFY UTILITY AND COMPLY WITH INSTRUCTIONS AND PRECAUTIONS FOR EXCAVATION AND PROTECTION OF SUCH LINES.
- 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.
- PROVIDE PULL ROPE IN ALL EMPTY RACEWAYS.
- ALL TURNS SHALL BE MINIMUM 48" RADIUS SWEEP BEND TYPE.
- ALL CONDUITS MIN. 42" BELOW FINISHED GRADE.
- MAINTAIN 18" MIN. VERTICAL CLEARANCE FROM ALL EXISTING & PROPOSED UTILITIES AND STORM DRAINAGE.
- HARGRAY AND BRIGHTSPEED TO PROVIDE HANDHOLES. CONTRACTOR TO CONTACT HARGRAY AND BRIGHTSPEED UPON NOTICE TO PROCEED TO COORDINATE AND SCHEDULE DELIVERY OF HANDHOLES.
- CAP ALL EMPTY CONDUITS IN THE HANDHOLES AND LABEL BOTH ENDS WITH BRASS MARKER TAG.
- 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.
- CONTRACTOR SHALL HOLD FIELD MEETING TO REVIEW EXACT LOCATIONS OF ALL TURN-UPS AND TERMINAL LOCATIONS PRIOR TO BEGINNING CONDUIT PLACEMENT.
- COORDINATE WITH UTILITY COMPANIES FOR TRANSITION POLE LOCATIONS AS REQUIRED FOR UNDERGROUND TO ABOVEGROUND TRANSITIONS.
- 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.
- BRIGHTSPEED AND HARGRAY TURNOUTS TO BE PLACED BACKSIDE OF PATH INSIDE OF RIGHT OF WAY.
- CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND SERVICES NECESSARY TO CONVERT THE ELECTRICAL AND COMMUNICATION SERVICES FROM OVERHEAD TO UNDERGROUND FROM THE DOMINION ENERGY, HARGRAY, AND BRIGHTSPEED SERVICE POINTS TO THE RESIDENTIAL STRUCTURES. PROVIDE 1-2" CONDUIT EACH FOR HARGRAY AND BRIGHTSPEED AND AS REQUIRED PER CODE FOR DOMINION POWER.

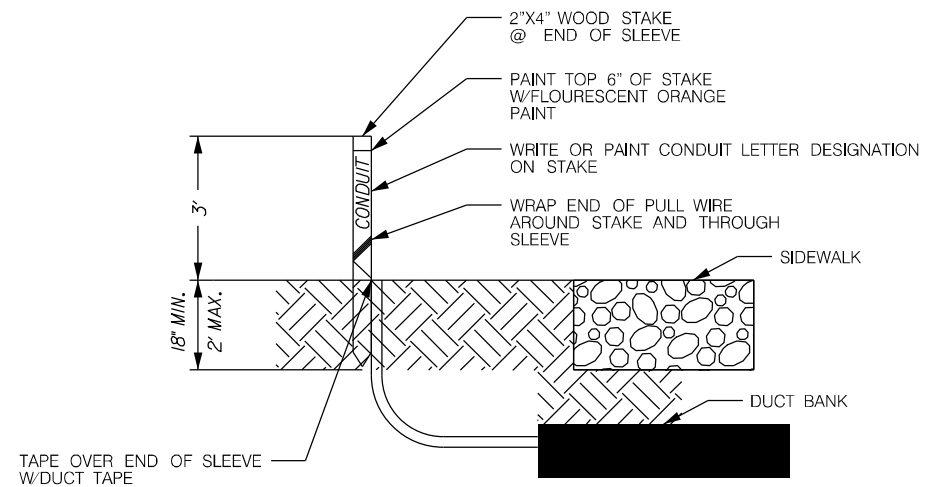


CASING/CARRIER PIPE DIAMETER	MINIMUM COVER
GREATER THAN 2 INCHES UP TO 6 INCHES	4 FEET
GREATER THAN 6 INCHES UP TO 14 INCHES	10 FEET
GREATER THAN 14 INCHES UP TO 24 INCHES	15 FEET
GREATER THAN 24 INCHES UP TO 48 INCHES	25 FEET

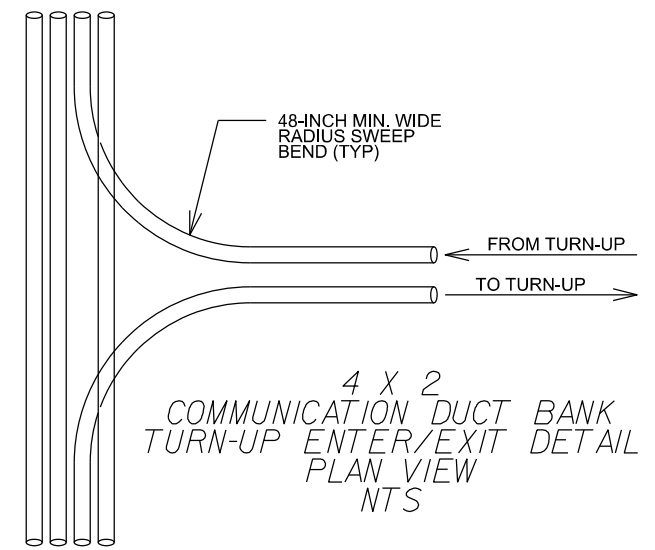
SCDOT UAM
HORIZONTAL DIRECTIONAL DRILL MINIMUM
COVER REQUIREMENTS DETAIL
NTS



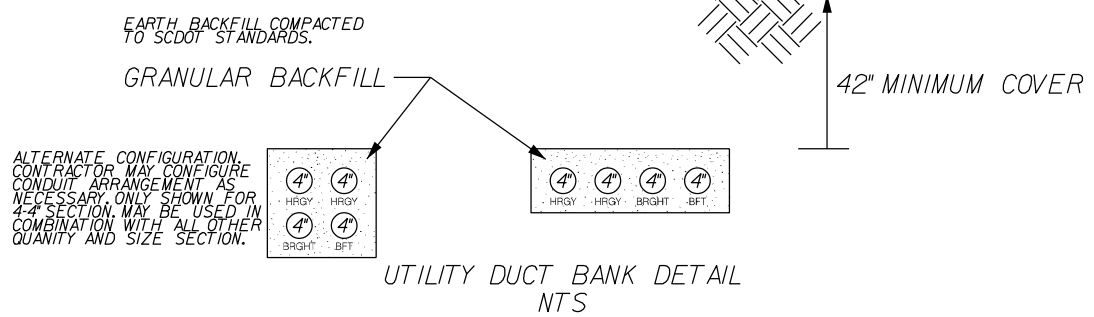
SCDOT UAM
OPEN CUT REPAIR FOR LOW VOLUME
ASPHALT PAVEMENT & DRIVEWAYS
DETAIL
NTS



CONDUIT TERMINAL
NTS



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



UTILITY DUCT BANK DETAIL
NTS

20. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND SERVICES NECESSARY TO CONVERT THE ELECTRICAL AND COMMUNICATION SERVICES FROM OVERHEAD TO UNDERGROUND FROM THE DOMINION ENERGY, HARGRAY, AND BRIGHTSPEED SERVICE POINTS TO THE RESIDENTIAL STRUCTURES. PROVIDE 1-2" CONDUIT EACH FOR HARGRAY AND BRIGHTSPEED AND AS REQUIRED PER CODE FOR DOMINION POWER.

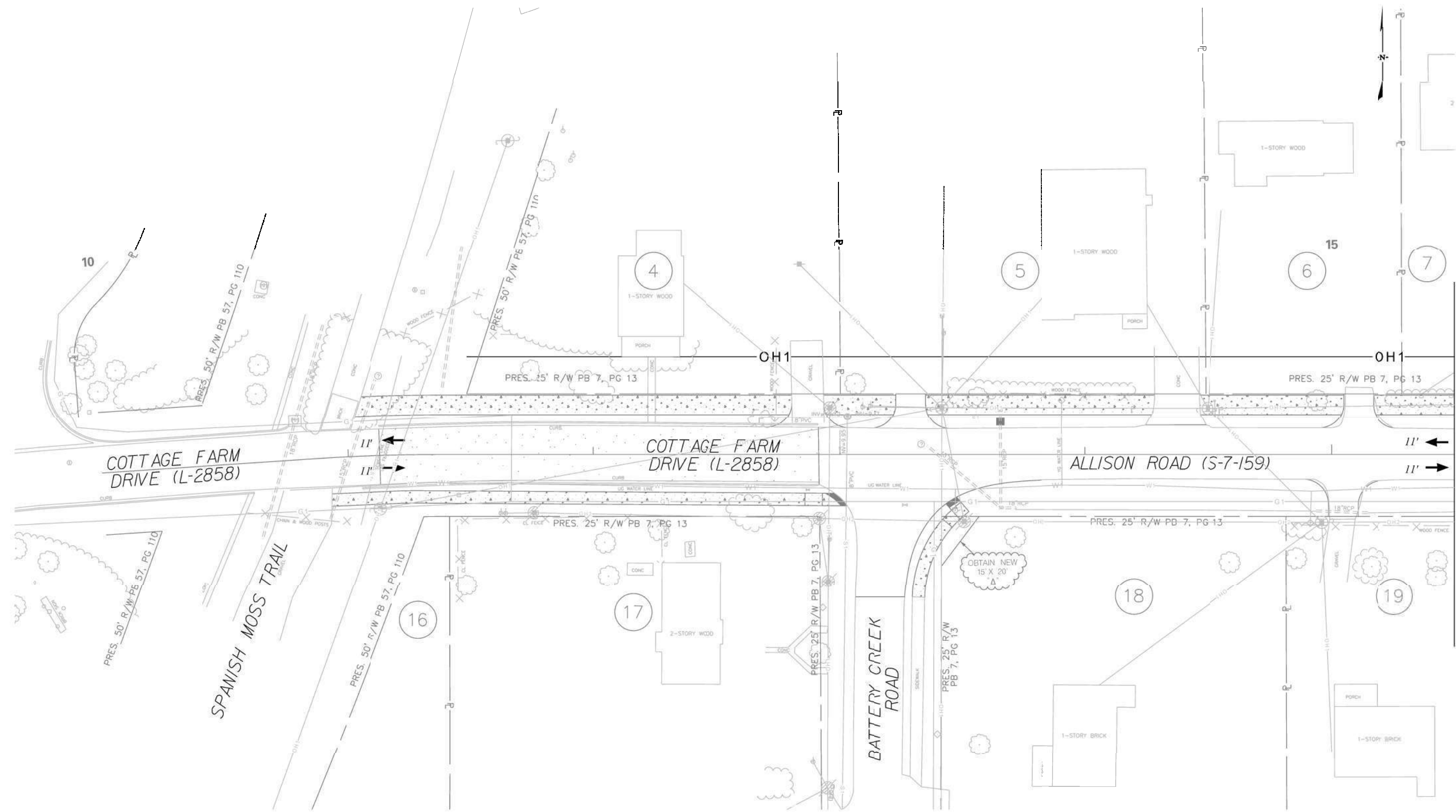
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SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 32916
Digitally signed by James Hinson
Date: 2020.11.08 15:30:13-05'00'

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1	MBC	10-24-23	ADDING COMMUNICATION CONDUIT TO ELECTRICAL / COMMUNICATION SERVICE CONVERSIONS.	
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BEAUFORT COUNTY CITY OF BEAUFORT	
ALLISON ROAD (S-7-159) DUCT BANK DETAILS	
SHEET DB-A	SCALE: NTS

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



MATCH-LINE STA. 15 + 50 SEE SHEET REL-2

NOTE:
EXISTING WATER AND SEWER
TO REMAIN ON THIS SHEET

G:\PROJECTS\17.05.City of Beaufort IDI
5/5/2023

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CONSULTING & ENGINEERING



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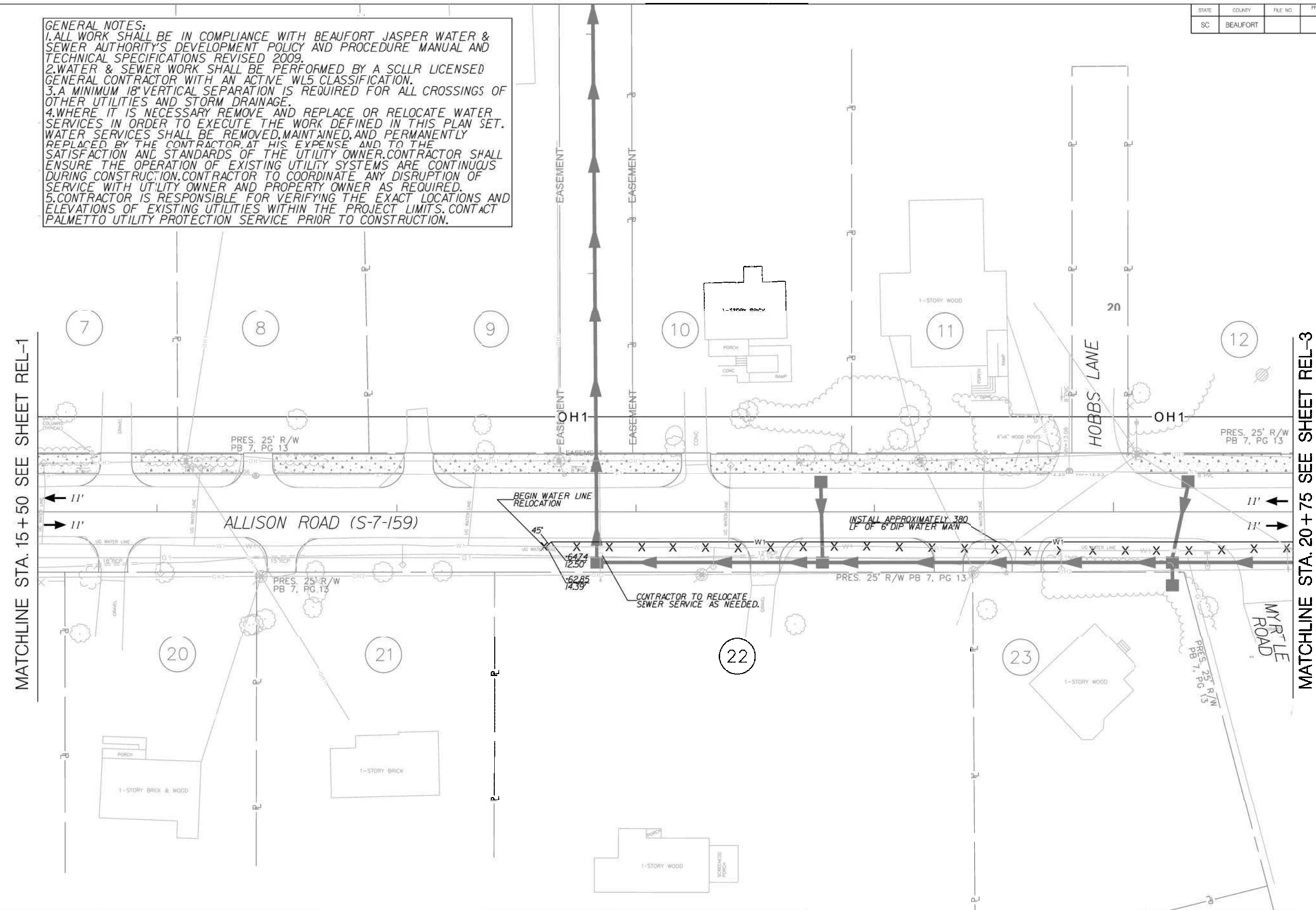
BEAUFORT COUNTY
CITY OF BEAUFORT

**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

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South Carolina Professional Engineer
 No. 32910
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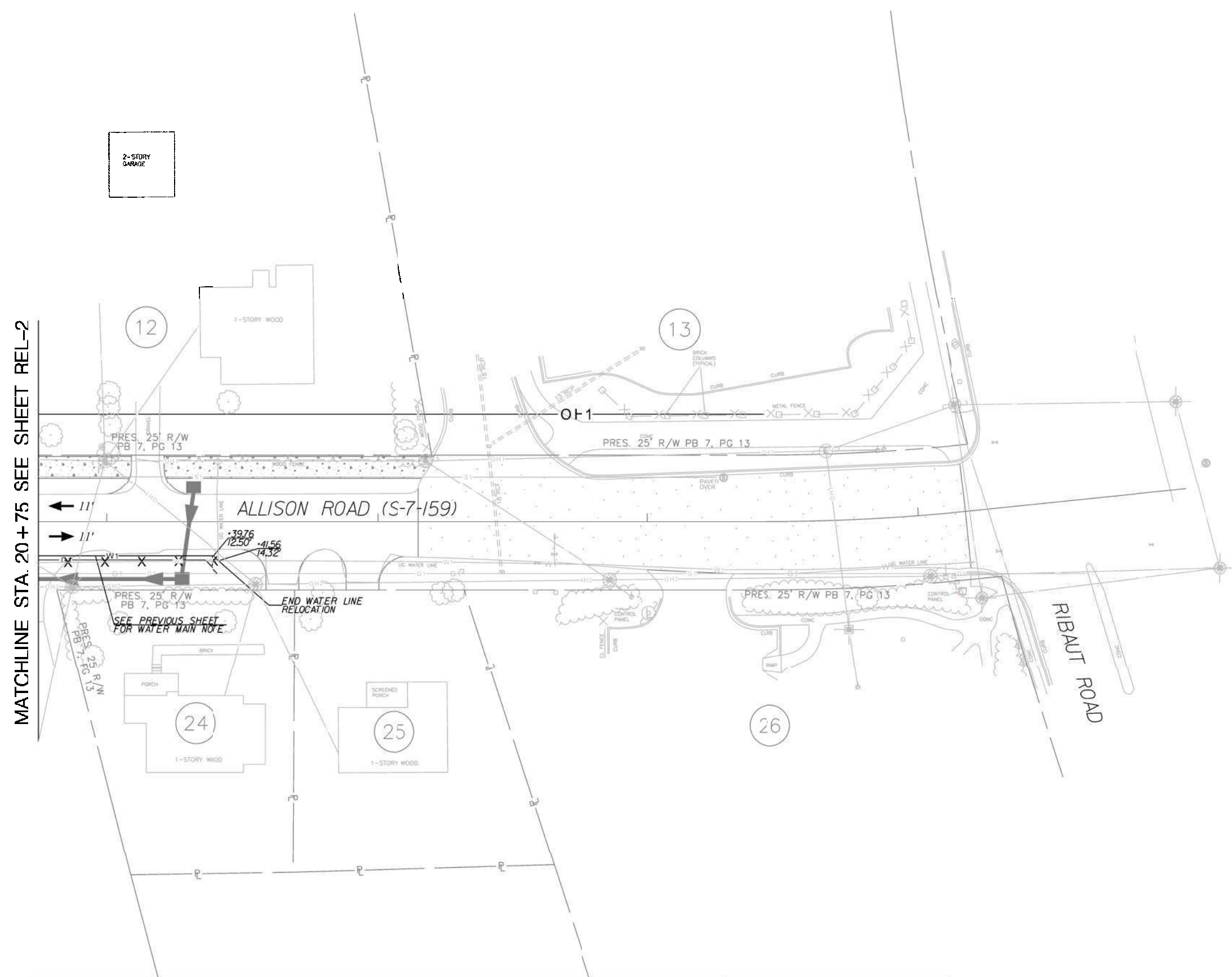
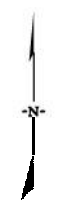
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BEAUFORT COUNTY
 CITY OF BEAUFORT

ALLISON ROAD (S-7-159)
 RELOCATION PLAN



SHEET REL-2 SCALE: 1" = 20'

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



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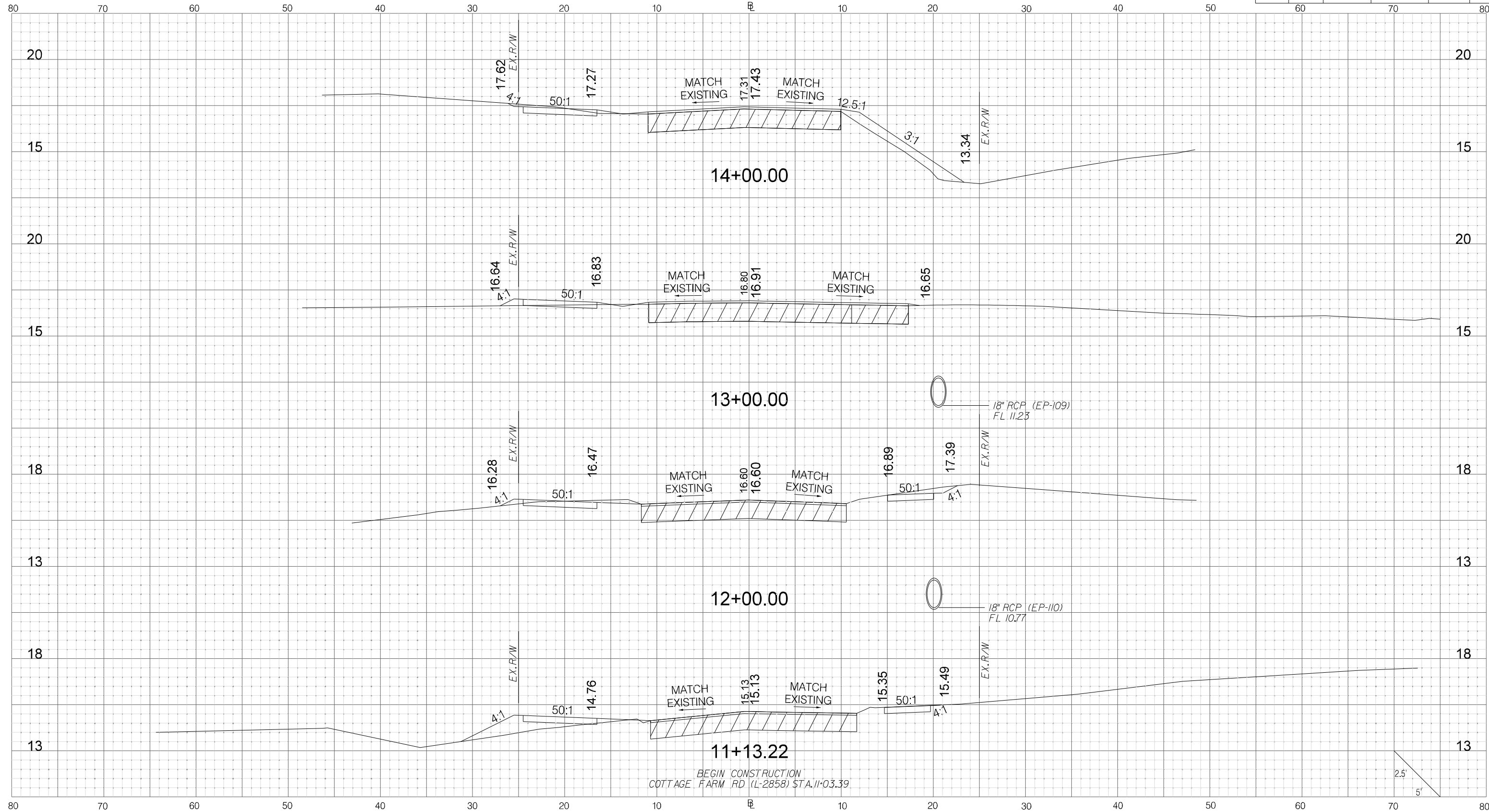
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BEAUFORT COUNTY
 CITY OF BEAUFORT

 ALLISON ROAD (S-7-159)
 RELOCATION PLAN

 SHEET REL-3 SCALE: 1" = 20'

FED. REL. DWG. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
	SC	BEAUFORT		S-7-159	X1



BEGIN CONSTRUCTION
COTTAGE FARM RD (L-2858) STA. 11+03.39

2.5'
5'

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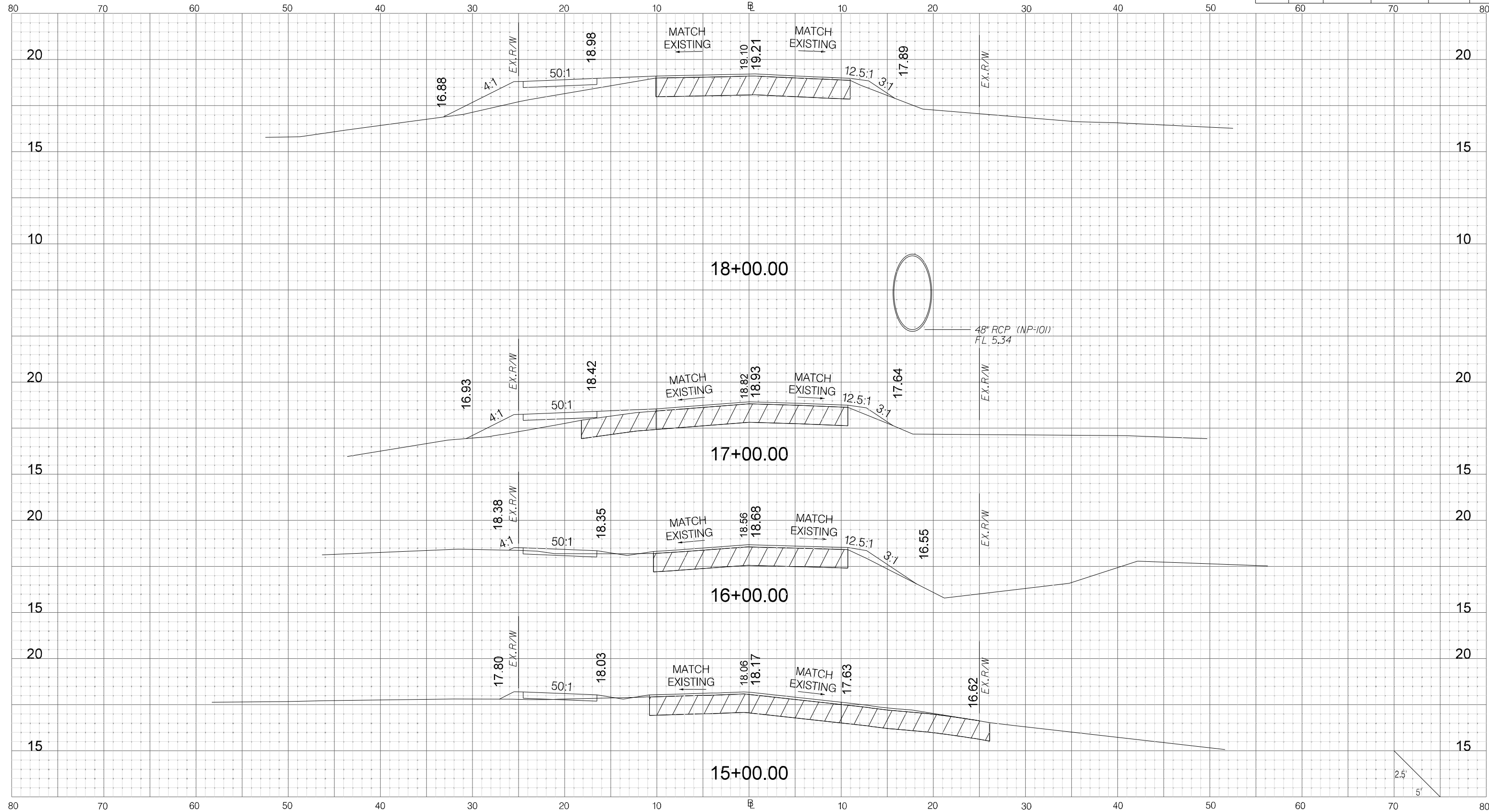



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CITY OF BEAUFORT
ALLISON ROAD (S-7-159)
CROSS SECTION SHEET

FED. REL. DWG. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
	SC	BEAUFORT		S-7-159	X2



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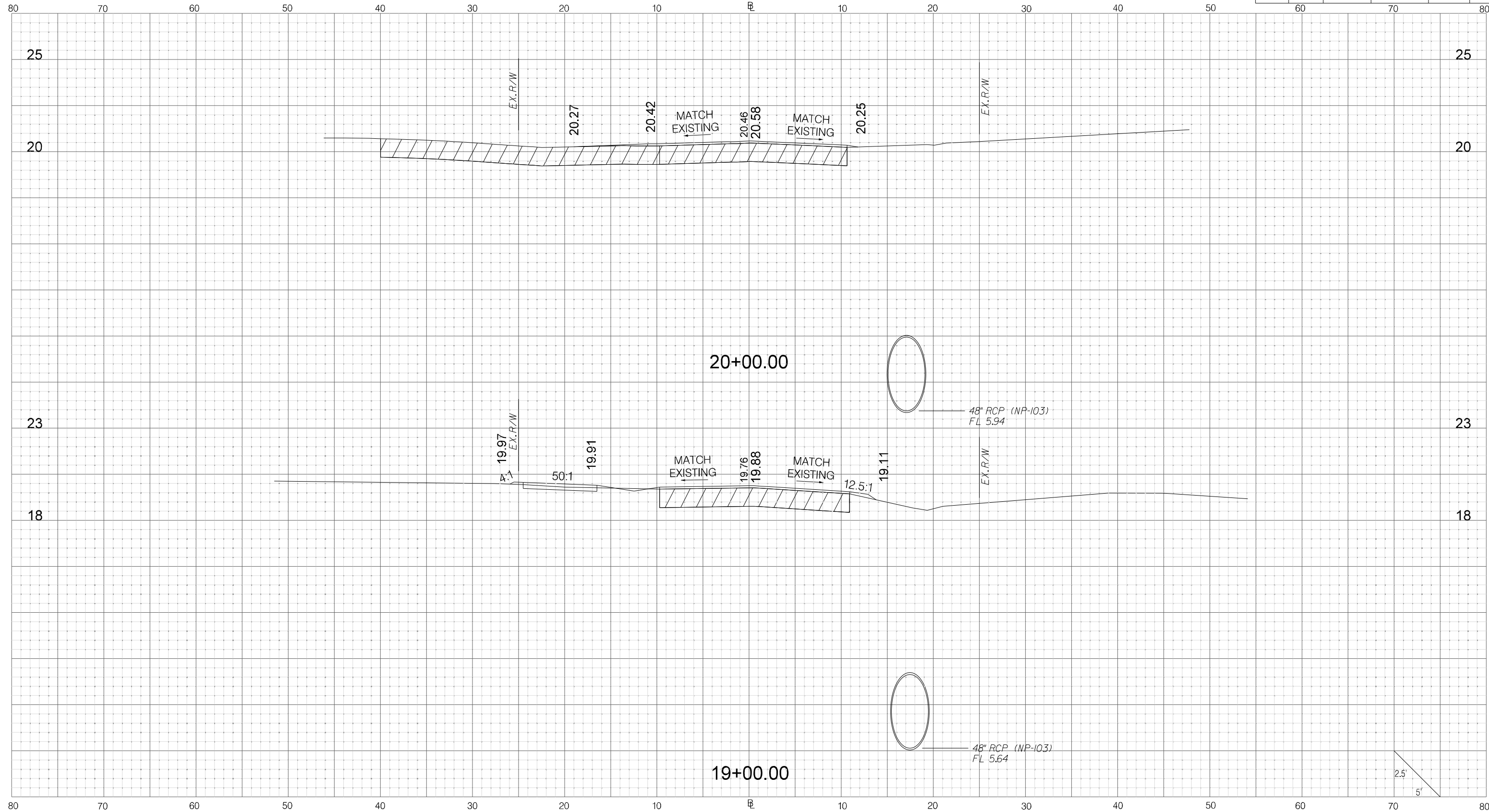



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CITY OF BEAUFORT
 ALLISON ROAD (S-7-159)
 CROSS SECTION SHEET

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	SC	BEAUFORT		S-7-159	X3



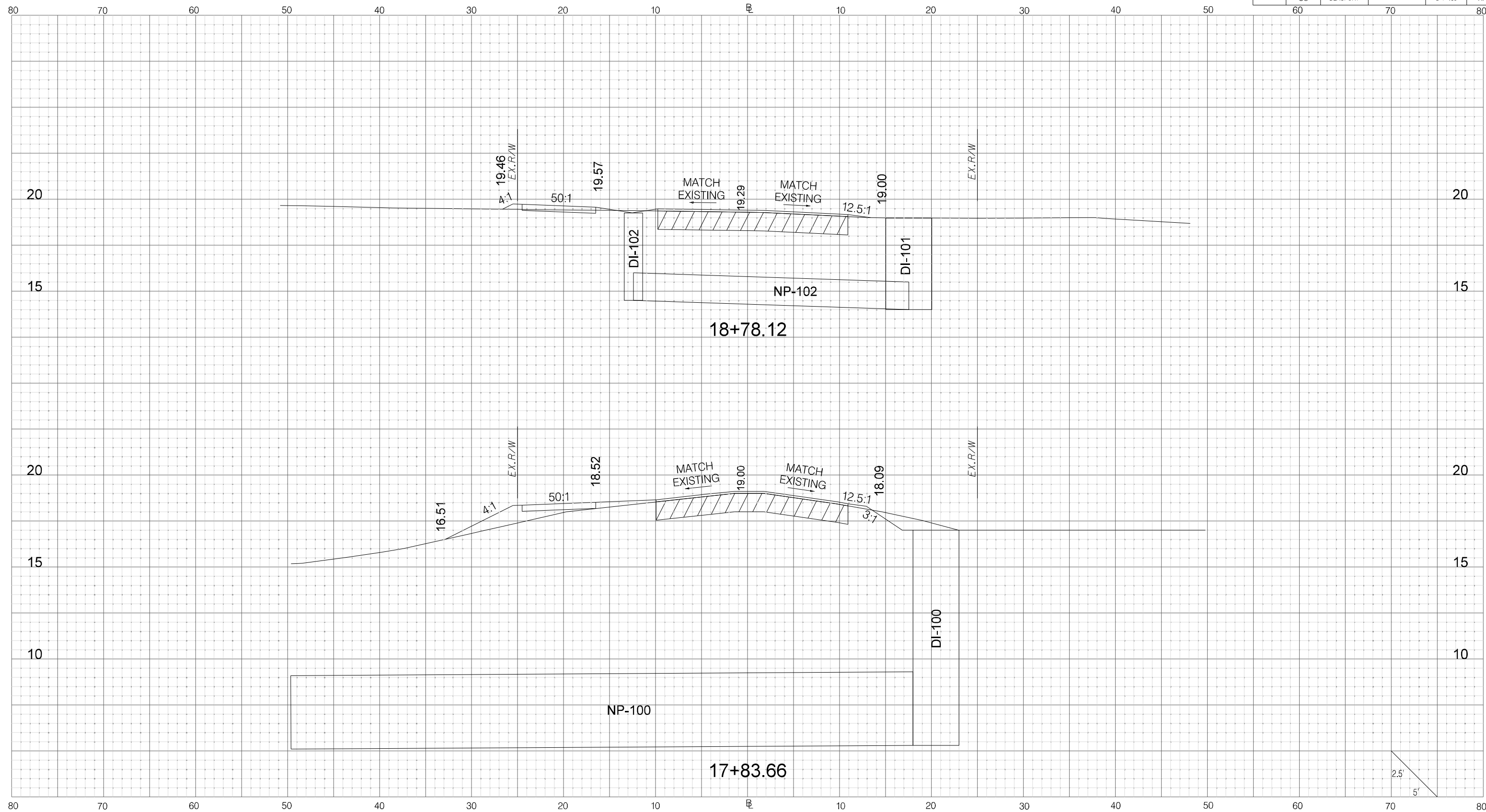
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CITY OF BEAUFORT
 ALLISON ROAD (S-7-159)
 CROSS SECTION SHEET

FED. REL. DWG. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
	SC	BEAUFORT		S-7-159	XP1



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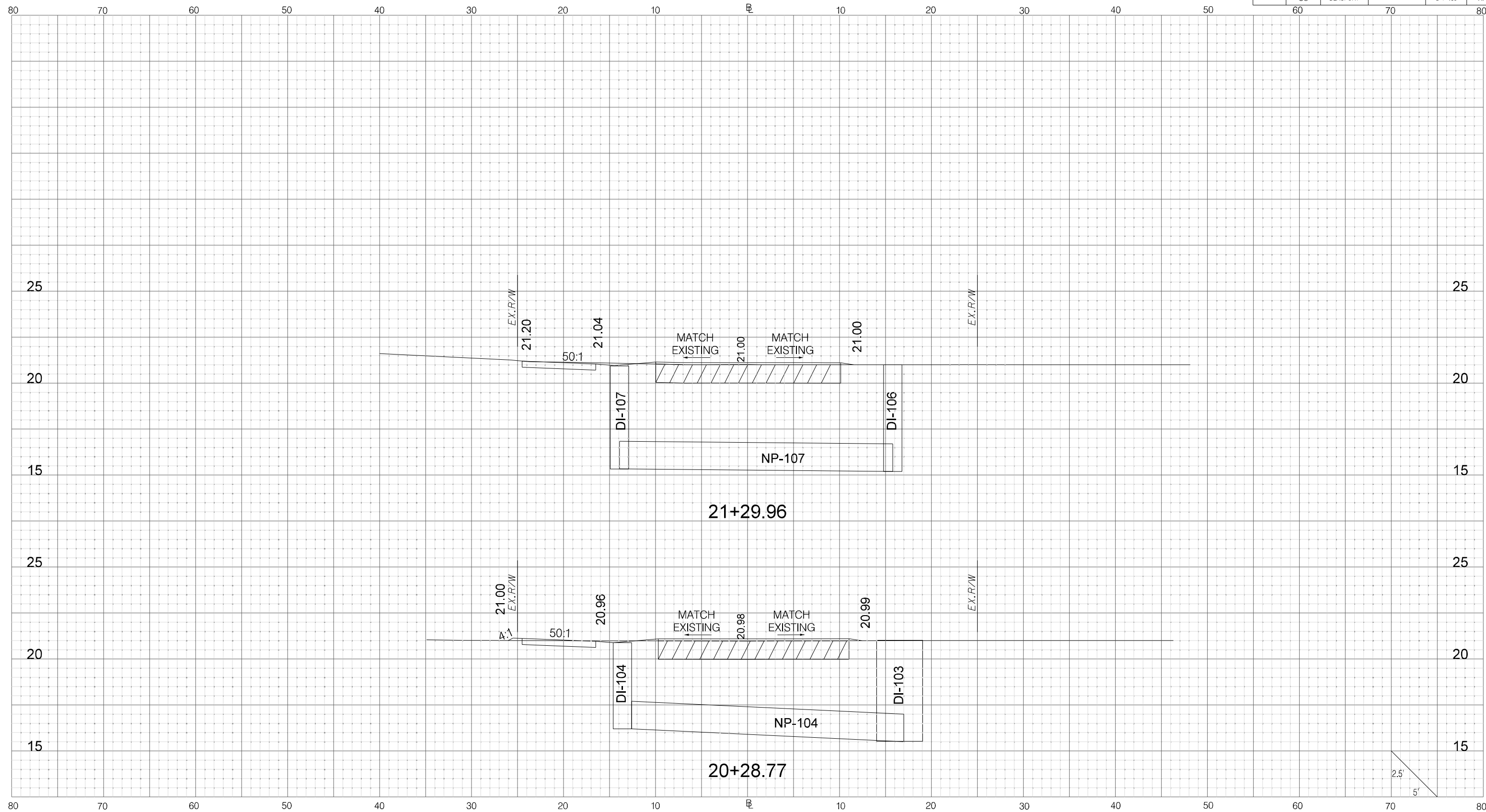


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CITY OF BEAUFORT
 ALLISON ROAD (S-7-159)
 CROSS SECTION SHEET

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	SC	BEAUFORT		S-7-159	XP2



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CITY OF BEAUFORT
 ALLISON ROAD (S-7-159)
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