

SHEET INDEX

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| 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"

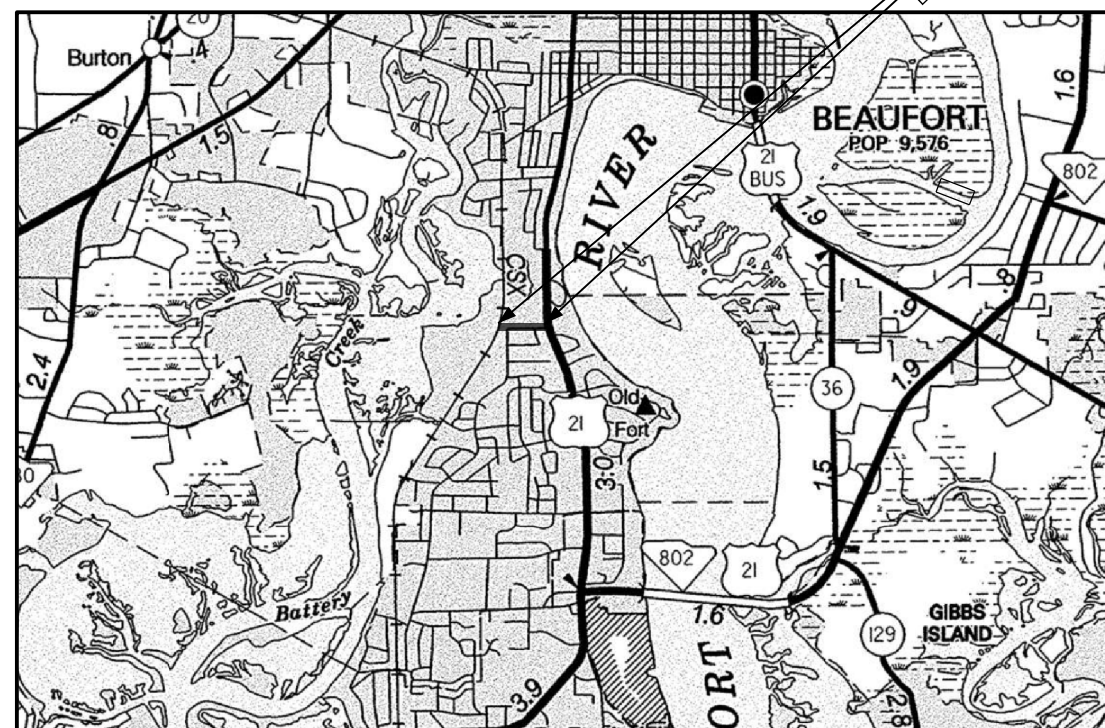
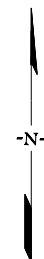
Design Reference for these plans is the:
3R
These Plans Were Designed Using "3R" Principles From the 2017 Roadway Design Manual

| 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:

Consultant Engineer of Record
Date

Regional Production Engineer
Date

ENGINEER OF RECORD

INFRASTRUCTURE CONSULTING & ENGINEERING

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 |
| 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 | 5,537 | LF |

| PAY ITEM | DESCRIPTION | QUANTITY | UNIT |
|----------|---|-------------|------|
| 6750224 | 4.0" SCHEDULE 40 PVC CONDUIT | 842 | 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 |



| 4 | | | |
|--------------|-----|----------|--|
| 3 | | | |
| 2 | | | |
| 1 | MBC | 10-24-23 | ADDING COMMUNICATION CONDUIT TO ELECTRICAL /COMMUNICATION SERVICE CONVERSIONS,ADDED SEWER RELOCATION |
| REV. NO. | BY | DATE | DESCRIPTION OF REVISION |
| DESIGNED BY: | | DATE | |
| DRAWN BY: | | DATE | |
| CHECKED BY: | | DATE | |

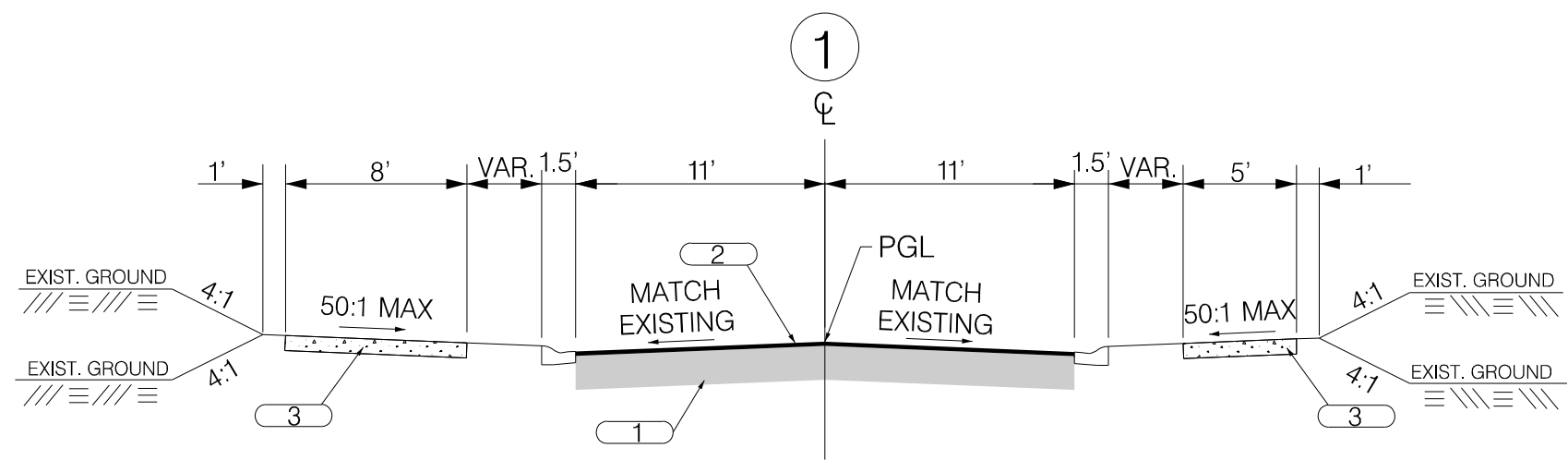
BEAUFORT COUNTY
CITY OF BEAUFORT

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

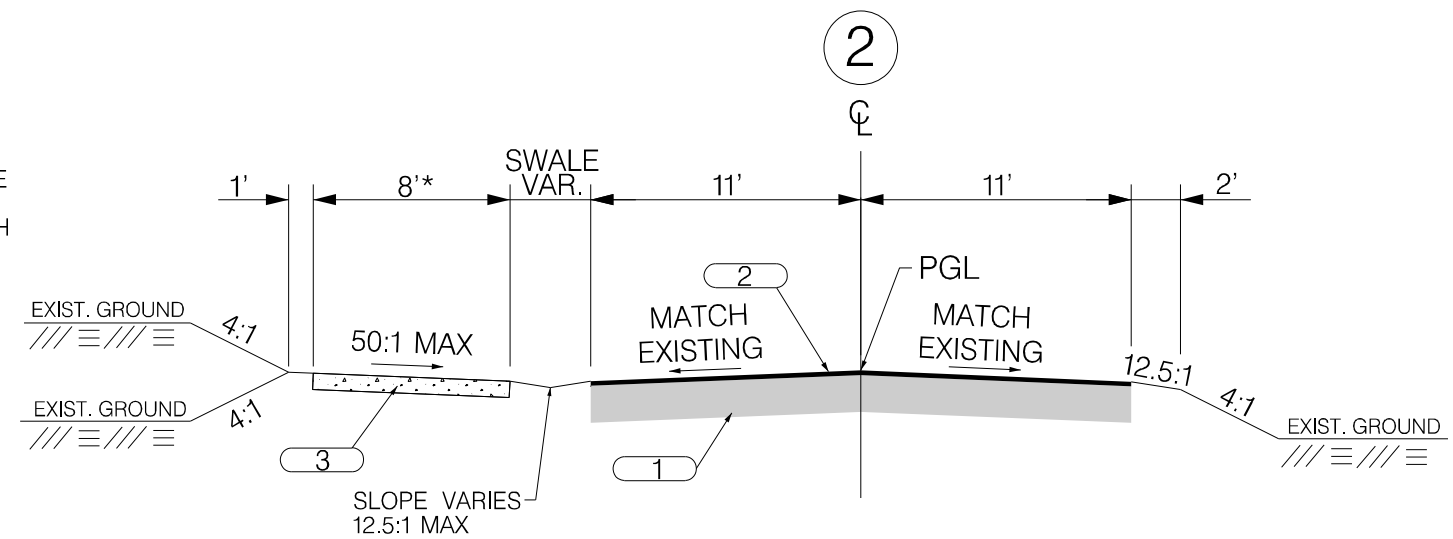
SHEET 2 SCALE: NTS

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

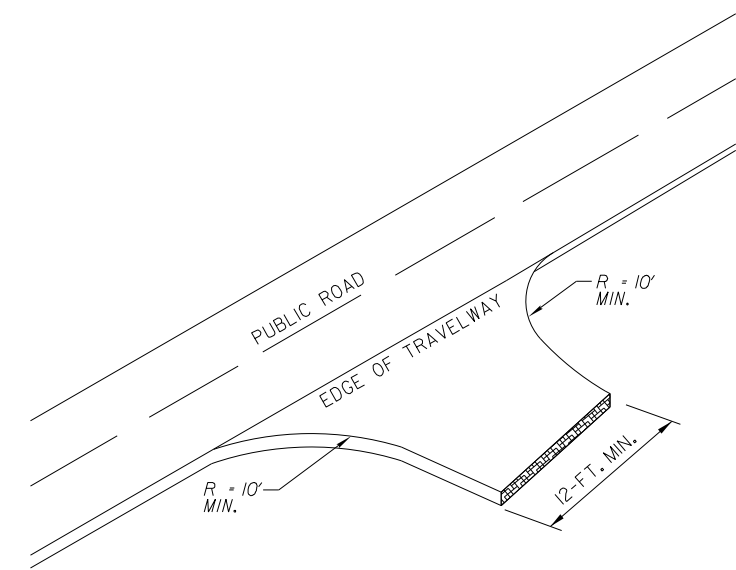
TYPICAL SECTION



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 | | |



South Carolina Professional Engineer
No. 32916
James C. Hinson

Infrastructure Consulting & Engineering, LLC
No. 4410

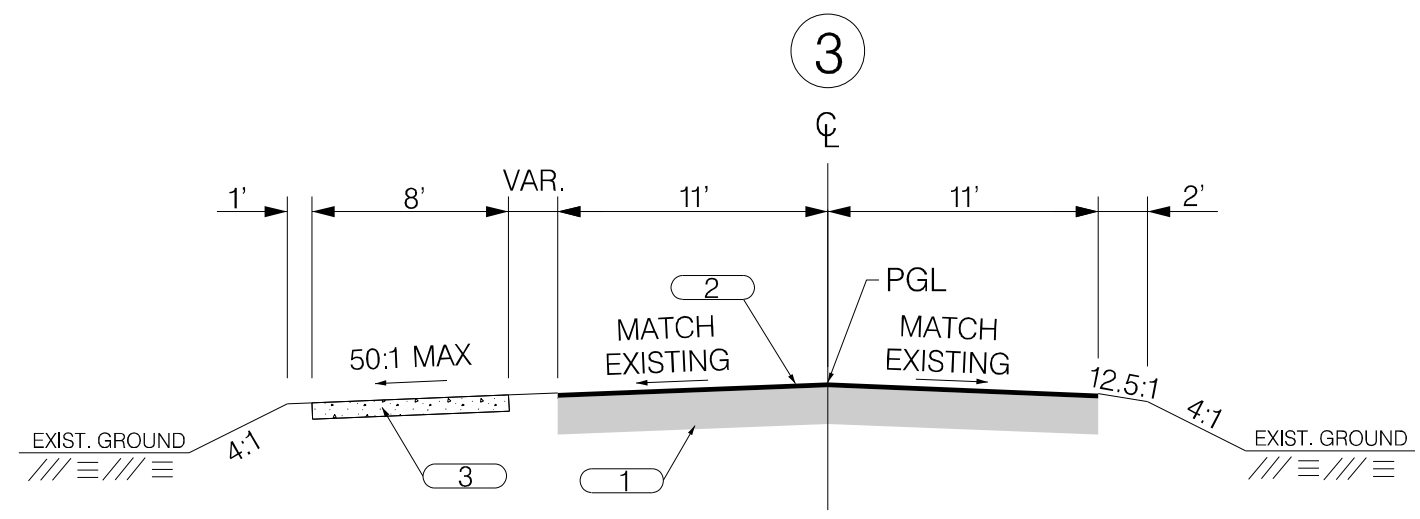
Digitally signed by James Hinson
Date: 2023.10.12 16:24:11-04'00'

| 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.

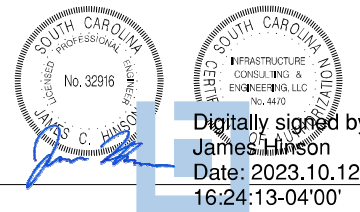
CURB RAMPS AND DETECTABLE WARNING SURFACES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS. SEE PLANS FOR LOCATIONS OF SIDEWALK CURB RAMPS AND DETECTABLE WARNING SURFACES.

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

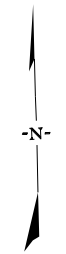
| | | | | | |
|-------|----------|----------|-------------|-----------|-----------|
| STATE | COUNTY | FILE NO. | PROJECT NO. | ROUTE NO. | SHEET NO. |
| SC | BEAUFORT | | | S-7-159 | 4 |

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

|  |  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>4</td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>1</td><td></td><td></td><td></td></tr> <tr> <th>REV. NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION OF REVISION</th> </tr> <tr> <td>DESIGNED BY:</td> <td>_____</td> <td>DATE _____</td> <td></td> </tr> <tr> <td>DRAWN BY:</td> <td>_____</td> <td>DATE _____</td> <td></td> </tr> <tr> <td>CHECKED BY:</td> <td>_____</td> <td>DATE _____</td> <td></td> </tr> </table> | 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 |
|--|---|---|---|-------------------------|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|----------|----|------|-------------------------|--------------|-------|------------|--|-----------|-------|------------|--|-------------|-------|------------|--|--|
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IE INFRASTRUCTURE
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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.

- A) WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICAL.
- B) 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

1. OBTAIN NPDES COVERAGE FROM DHEC AND FINAL MS4 APPROVAL FROM THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS.
2. NOTIFY SC DHEC REGIONAL OFFICE AND THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. INSTALL TREE PROTECTION AND DELINEATE CLEARING LIMITS.
4. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
5. INSTALL PERIMETER CONTROLS (E.G. SILT FENCE).
6. PROVIDE SITE DRAINAGE WITH DIVERSION DITCHES, SWALES AND DRAINS.
7. CLEARING AND GRUBBING OF SITE (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED).
8. 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.)
9. ROUGH GRADING.
10. INSTALL STORM DRAINAGE.
11. ASPHALT PAVING.
12. CONSTRUCT SIDEWALK.
13. FINISH GRADING AND FINAL GRASSING AND LANDSCAPING.
14. MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES FOR THE EXTENT OF THE PROJECT.
15. REMOVAL OF SEDIMENT CONTROLS AFTER SITE HAS BEEN STABILIZED.
16. CONTACT THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS FOR FINAL PROJECT INSPECTION.
17. FILE NOTICE OF TERMINATION.

INCLUSION ITEMS

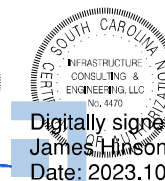
ROADWAY ITEMS

| | | |
|--|-------------|--|
| 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 LS | PER CONTRACT DOCUMENTS |
| CLEARING & GRUBBING WITHIN ROADWAY | 1,000 LS | WHERE 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 DRIVES, 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 | WHERE DIRECTED BY ENGINEER |
| HOT MIX ASPHALT SURFACE COURSE TYPE C | 0,000 TON | FOR DRIVEWAYS AND OVERRUN |
| DETECTABLE WARNING MATERIAL | 25,380 SF | WHERE DIRECTED BY ENGINEER |
| STABILIZED CONSTRUCTION ENTRANCE | 550,000 SY | WHERE 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 |

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| | | | | BEAUFORT COUNTY CITY OF BEAUFORT | |
| | | | | ALLISON ROAD (S-7-159) GENERAL CONSTRUCTION NOTES | |
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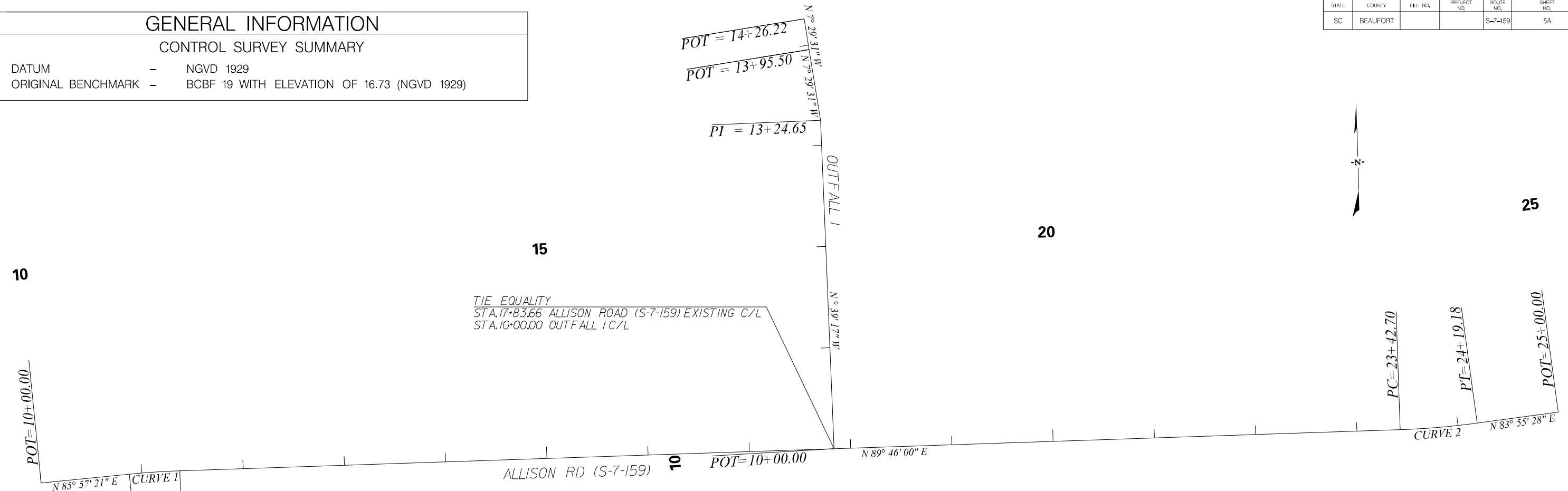
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GENERAL INFORMATION

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

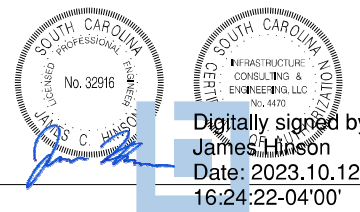
Curve Data

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



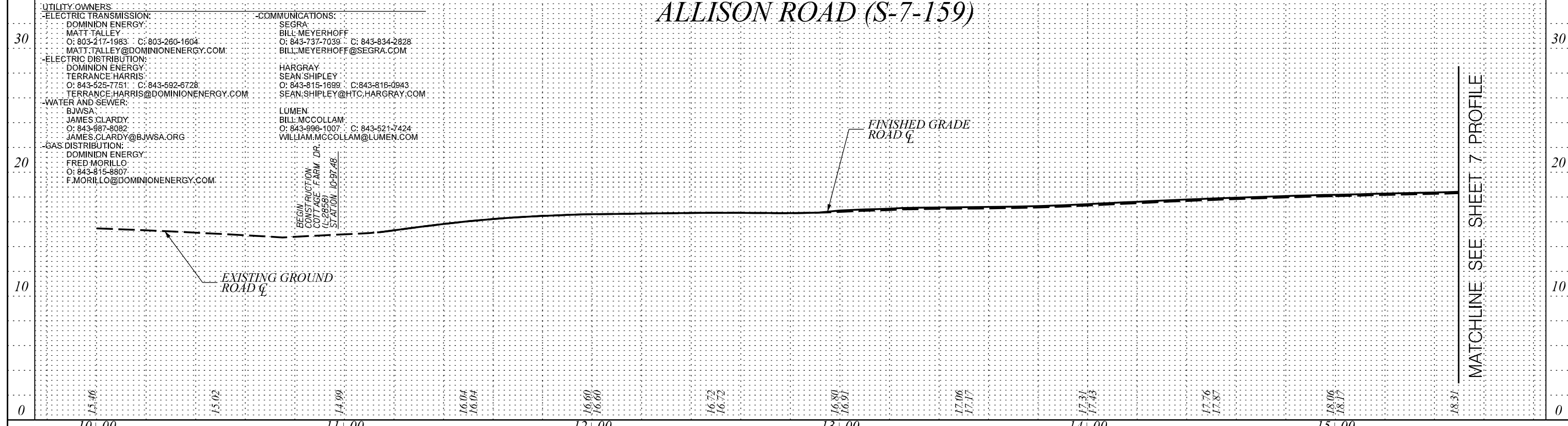
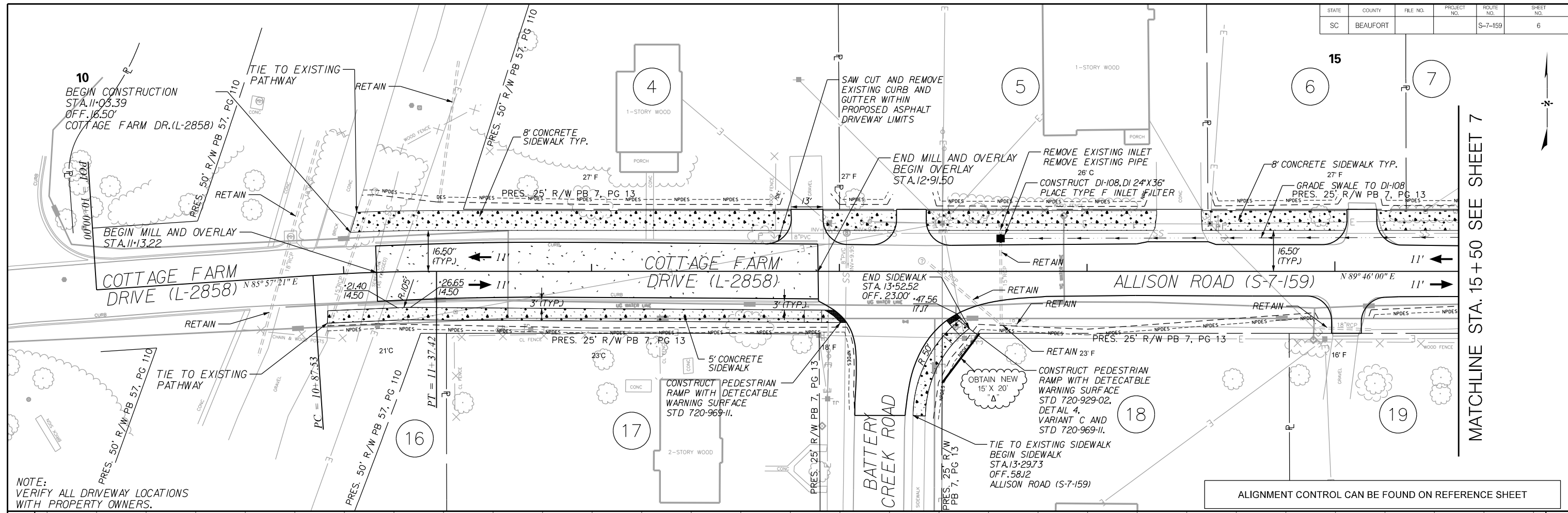
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BEAUFORT COUNTY
 CITY OF BEAUFORT

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

SHEET 5A SCALE: 1" = 50'



UTILITY OWNERS:

-ELECTRIC TRANSMISSION:
 DOMINION ENERGY
 MATT TALLEY
 O: 803-217-1983 C: 803-260-1604
 MATT.TALLEY@DOMINIONENERGY.COM

-ELECTRIC DISTRIBUTION:
 DOMINION ENERGY
 TERRANCE HARRIS
 O: 843-525-7751 C: 843-592-6728
 TERRANCE.HARRIS@DOMINIONENERGY.COM

-WATER AND SEWER:
 BJWSA
 JAMES CLARDY
 O: 843-987-8082
 JAMES.CLARDY@BJWSA.ORG

-GAS DISTRIBUTION:
 DOMINION ENERGY
 FRED MORILLO
 O: 843-815-8807
 F.MORILLO@DOMINIONENERGY.COM

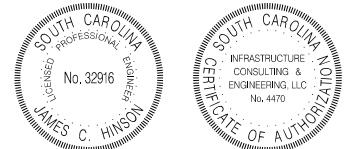
COMMUNICATIONS:

SEGRA:
 BILL MEYERHOFF
 O: 843-737-7039 C: 843-834-2828
 BILL.MEYERHOFF@SEGRA.COM

HARGRAY:
 SEAN SHIPLEY
 O: 843-815-1699 C: 843-816-0943
 SEAN.SHIPLEY@HTC.HARGRAY.COM

LUMEN:
 BILL MCCOLLAM
 O: 843-990-1007 C: 843-521-7424
 WILLIAM.MCCOLLAM@LUMEN.COM

JE INFRASTRUCTURE CONSULTING & ENGINEERING



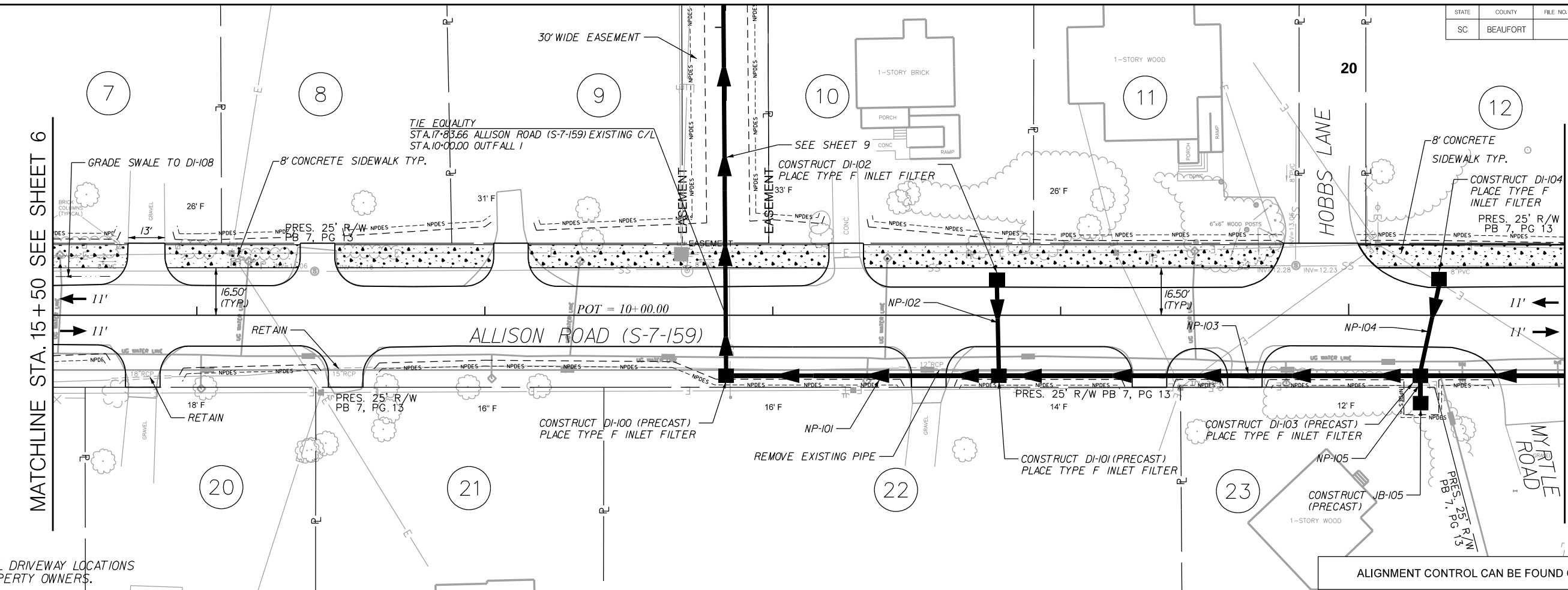
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BEAUFORT COUNTY
 CITY OF BEAUFORT

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

SHEET 6 SCALE: 1" = 20'

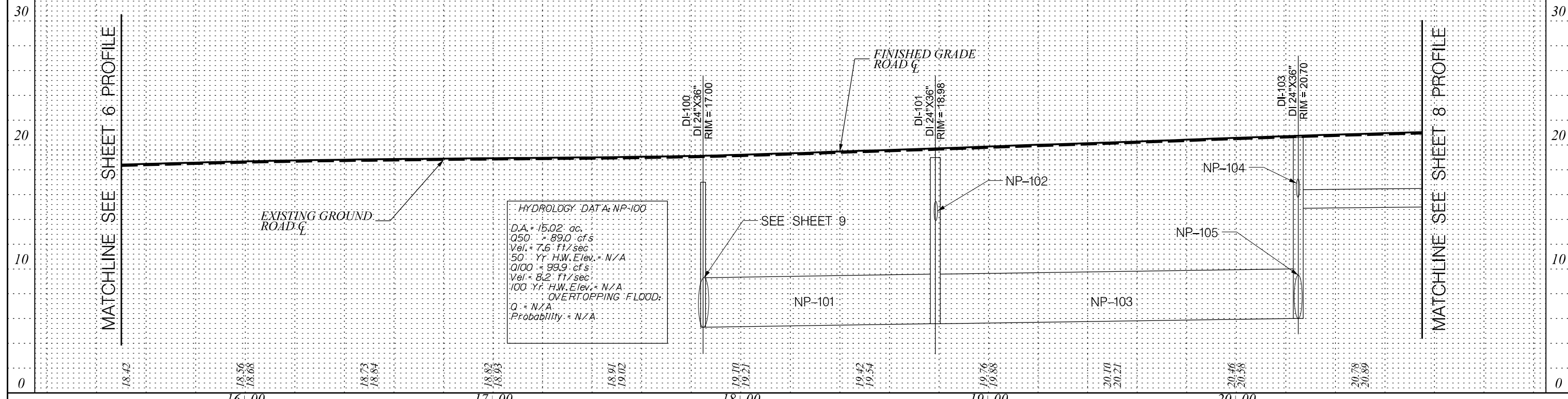
| STATE | COUNTY | FILE NO. | PROJECT NO. | ROUTE NO. | SHEET NO. |
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| SC | BEAUFORT | | | S-7-159 | 7 |



NOTE:
VERIFY ALL DRIVEWAY LOCATIONS
WITH PROPERTY OWNERS.

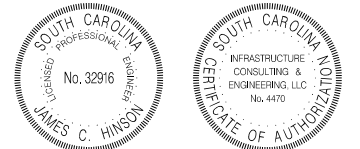
ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

ALLISON ROAD (S-7-159)



HYDROLOGY DATA: NP-100
 D.A. = 15.02' ac.
 Q50 = 89.0 cfs
 Vel. = 7.6 Ft/sec
 50 Yr. H.W. Elev. = N/A
 Q100 = 99.9 cfs
 Vel. = 8.2 Ft/sec
 100 Yr. H.W. Elev. = N/A
OVERTOPPING FLOOD:
 Q = N/A
 Probability = N/A

JE INFRASTRUCTURE
CONSULTING & ENGINEERING



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BEAUFORT COUNTY
CITY OF BEAUFORT

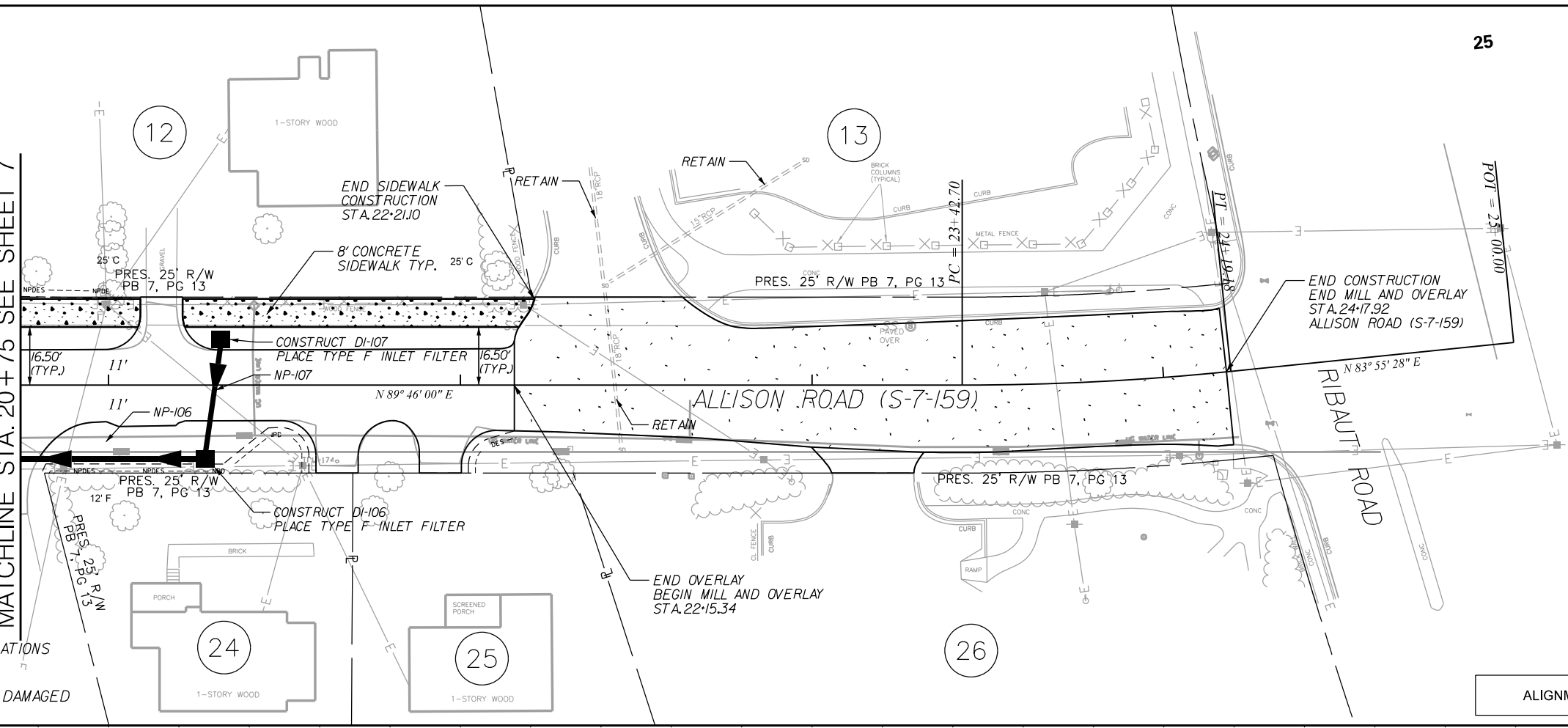
ALLISON ROAD (S-7-159)
PLAN AND PROFILE SHEET

SHEET 7 SCALE: 1" = 20'

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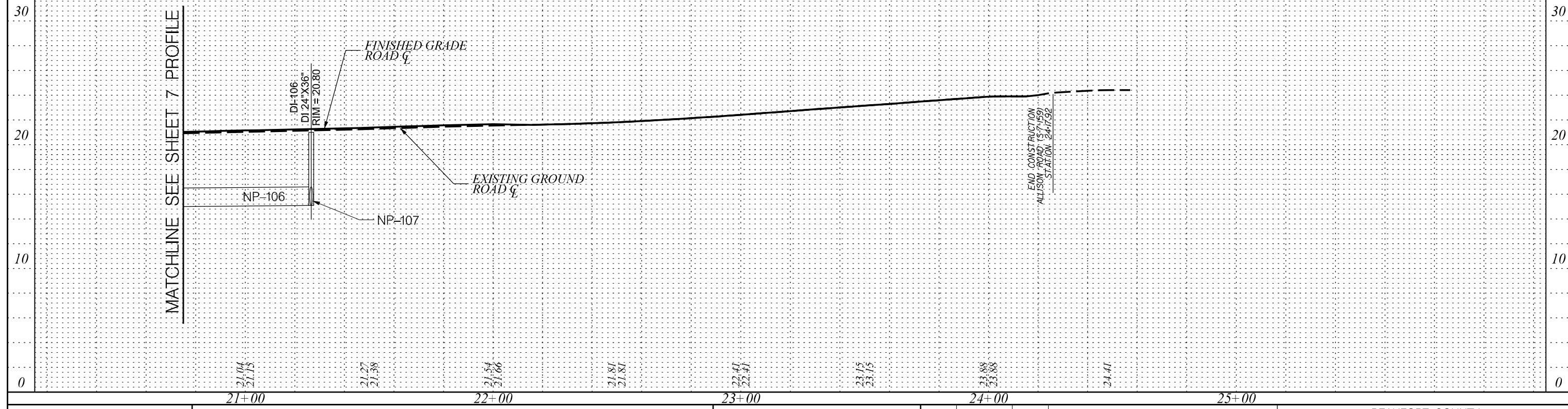
MATCHLINE STA. 20 + 75 SEE SHEET 7



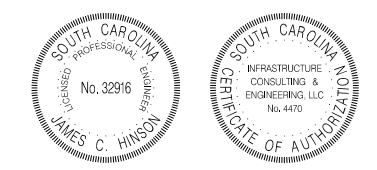
- NOTE:
1. VERIFY ALL DRIVEWAY LOCATIONS WITH PROPERTY OWNERS.
 2. REPLACE EXISTING LOOP DAMAGED DURING MILLING.

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

ALLISON ROAD (S-7-159)



JE INFRASTRUCTURE
CONSULTING & ENGINEERING

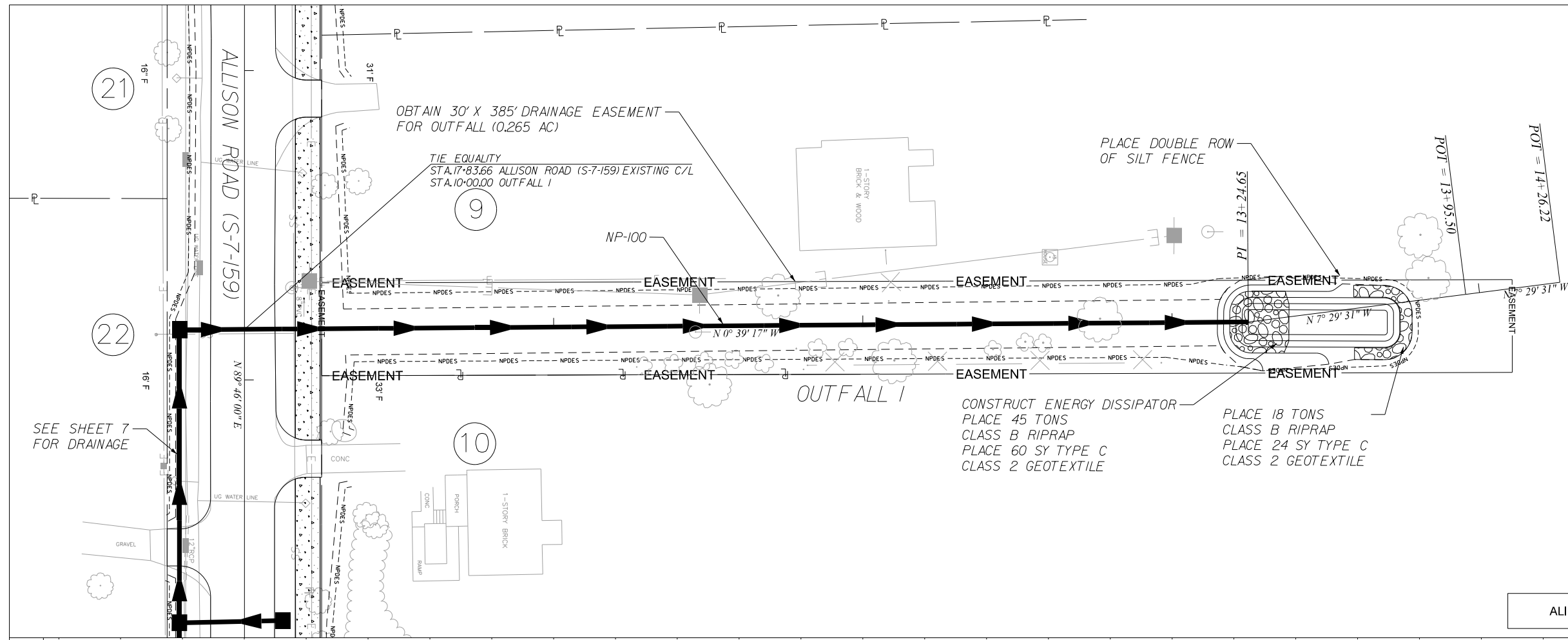


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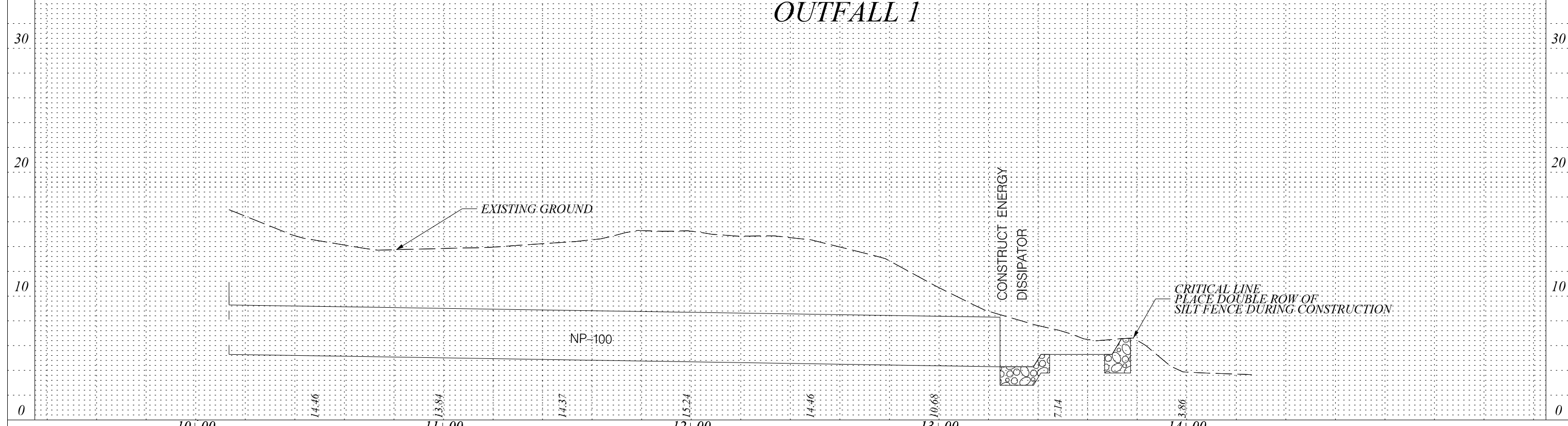
BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET 8 SCALE: 1" = 20'



ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



JE INFRASTRUCTURE
CONSULTING & ENGINEERING



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BEAUFORT COUNTY
CITY OF BEAUFORT

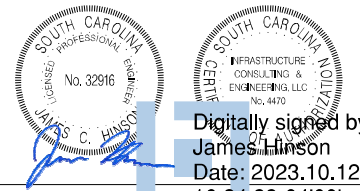
OUTFALL 1
PLAN AND PROFILE SHEET

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

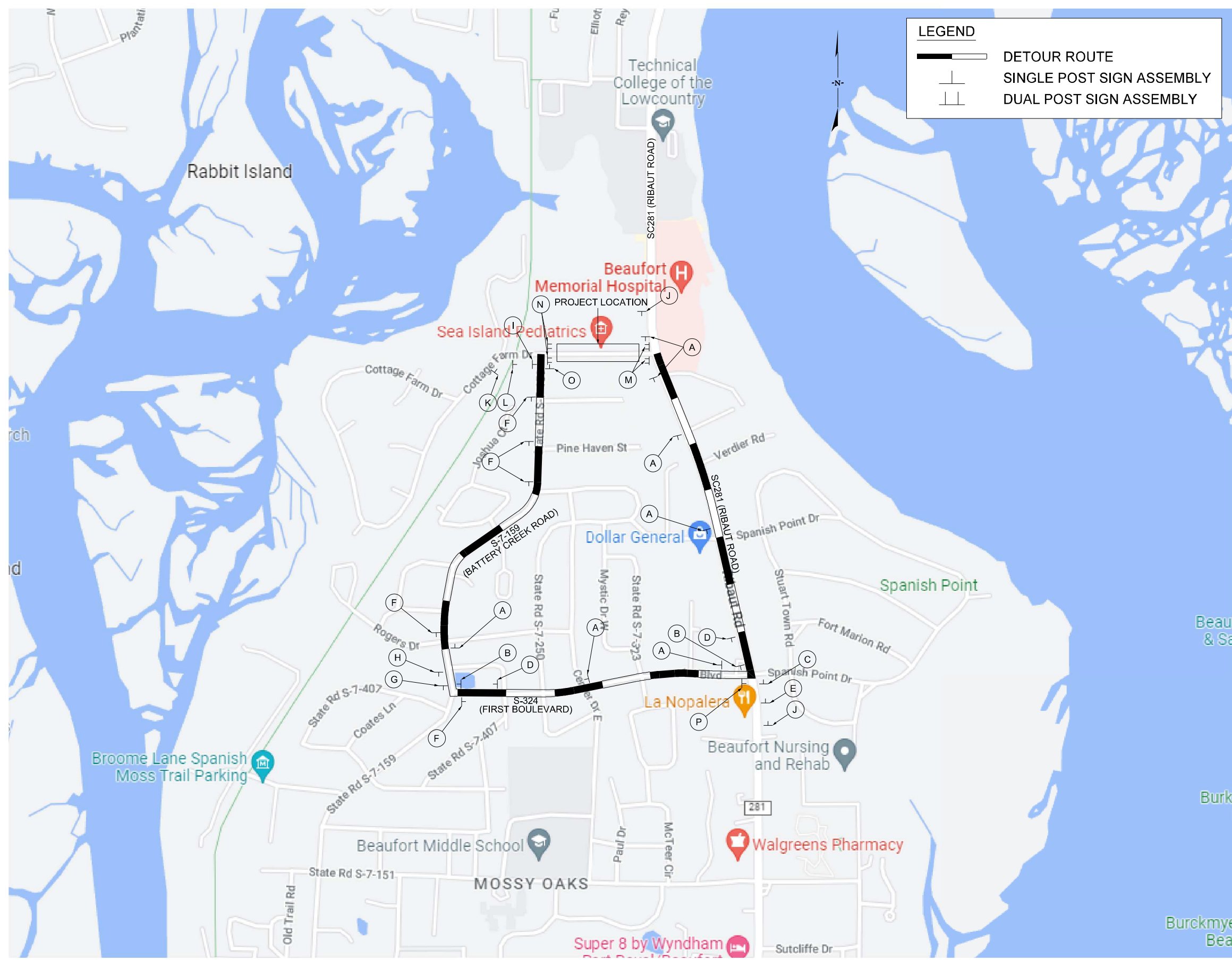
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LEGEND

DETOUR ROUTE

SINGLE POST SIGN ASSEMBLY

DUAL POST SIGN ASSEMBLY



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

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| A | 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 | 0.72 | 1.81 |

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 letters

JE INFRASTRUCTURE CONSULTING & ENGINEERING

Professionally sealed and stamped by James C. Hinson, No. 32916, South Carolina Professional Engineer. 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

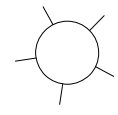



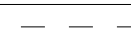
SHEET TC1 SCALE: NTS

| STATE | COUNTY | FILE NO. | PROJECT NO. | ROUTE NO. | SHEET NO. |
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| 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.

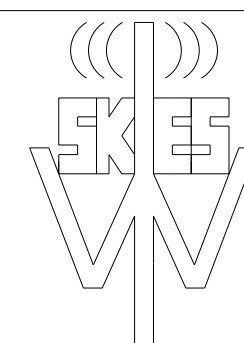
POLE DATA TABLE

| 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 |



Wi-Skies, LLC

INFRASTRUCTURE
CONSULTING & ENGINEERING



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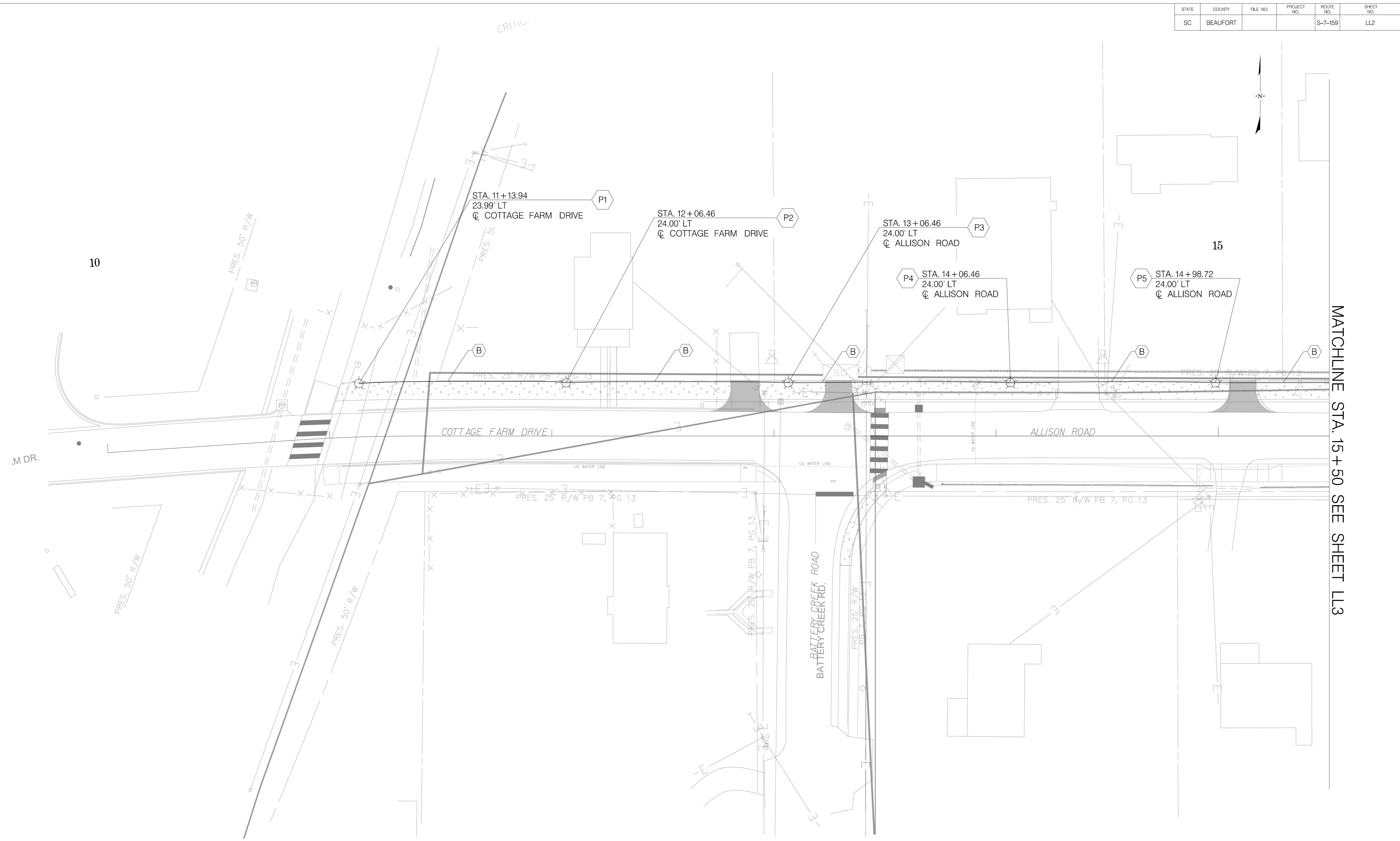
BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET LL1

NOT TO SCALE

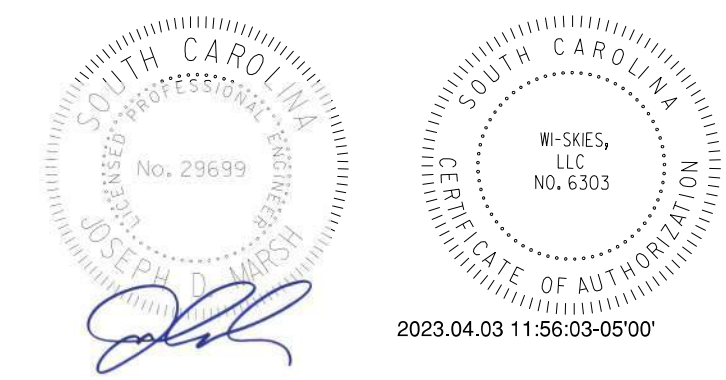
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MATCHLINE STA. 15 + 50 SEE SHEET LL3



JE INFRASTRUCTURE
CONSULTING & ENGINEERING



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BEAUFORT COUNTY
CITY OF BEAUFORT

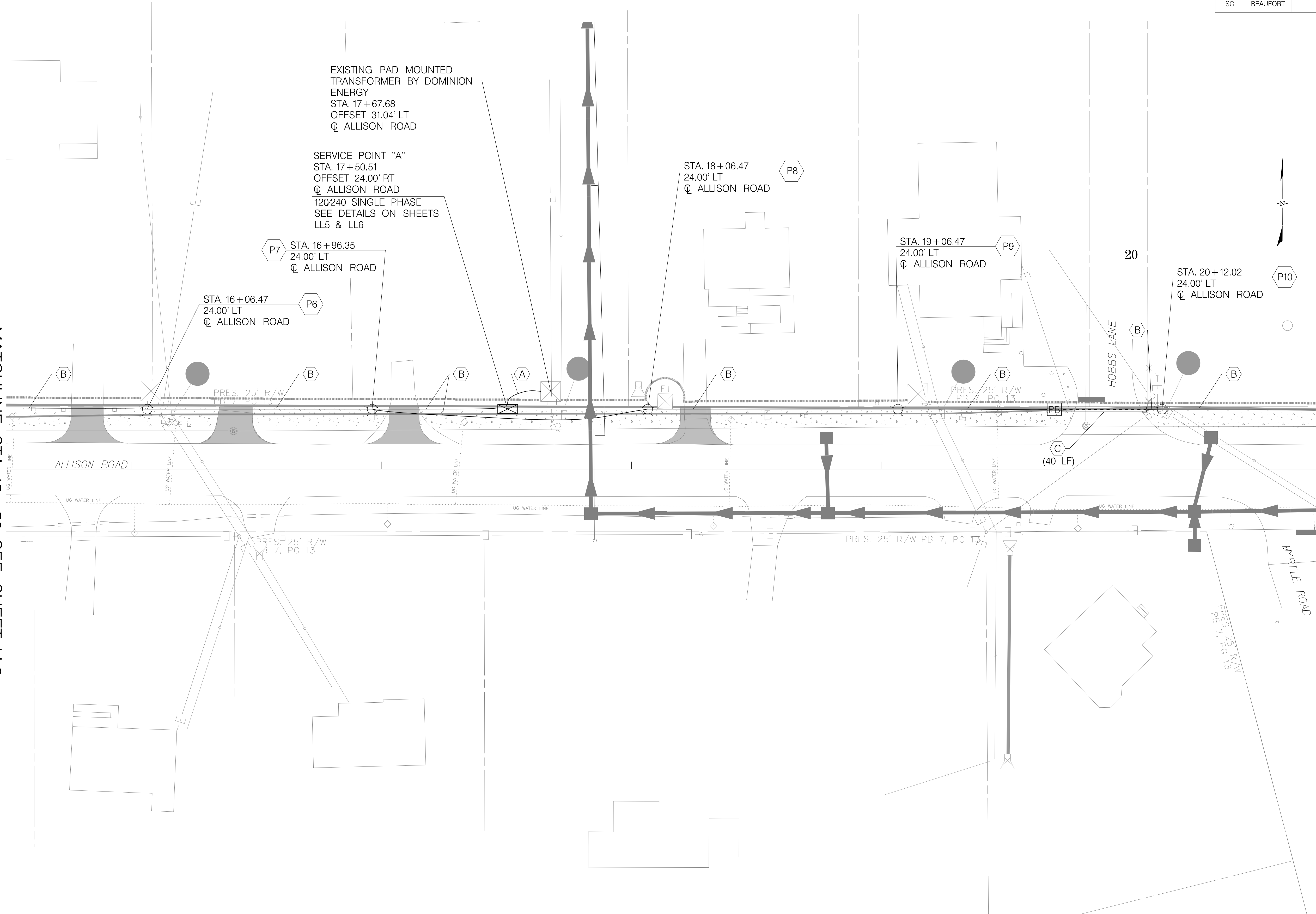
ALLISON ROAD (S-7-159)
LIGHTING PLAN SHEET

SHEET LL2

SCALE: 1" = 20'

| STATE | COUNTY | FILE NO. | PROJECT NO. | ROUTE NO. | SHEET NO. |
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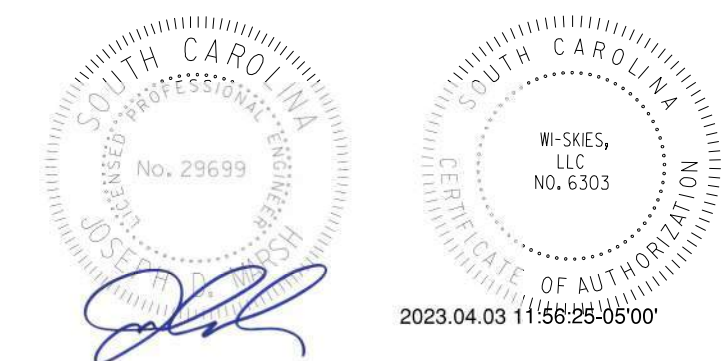
MATCHLINE STA. 15+50 SEE SHEET LL2



MATCHLINE STA. 20+75 SEE SHEET LL4



IE INFRASTRUCTURE
CONSULTING & ENGINEERING

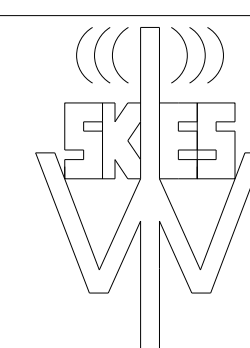
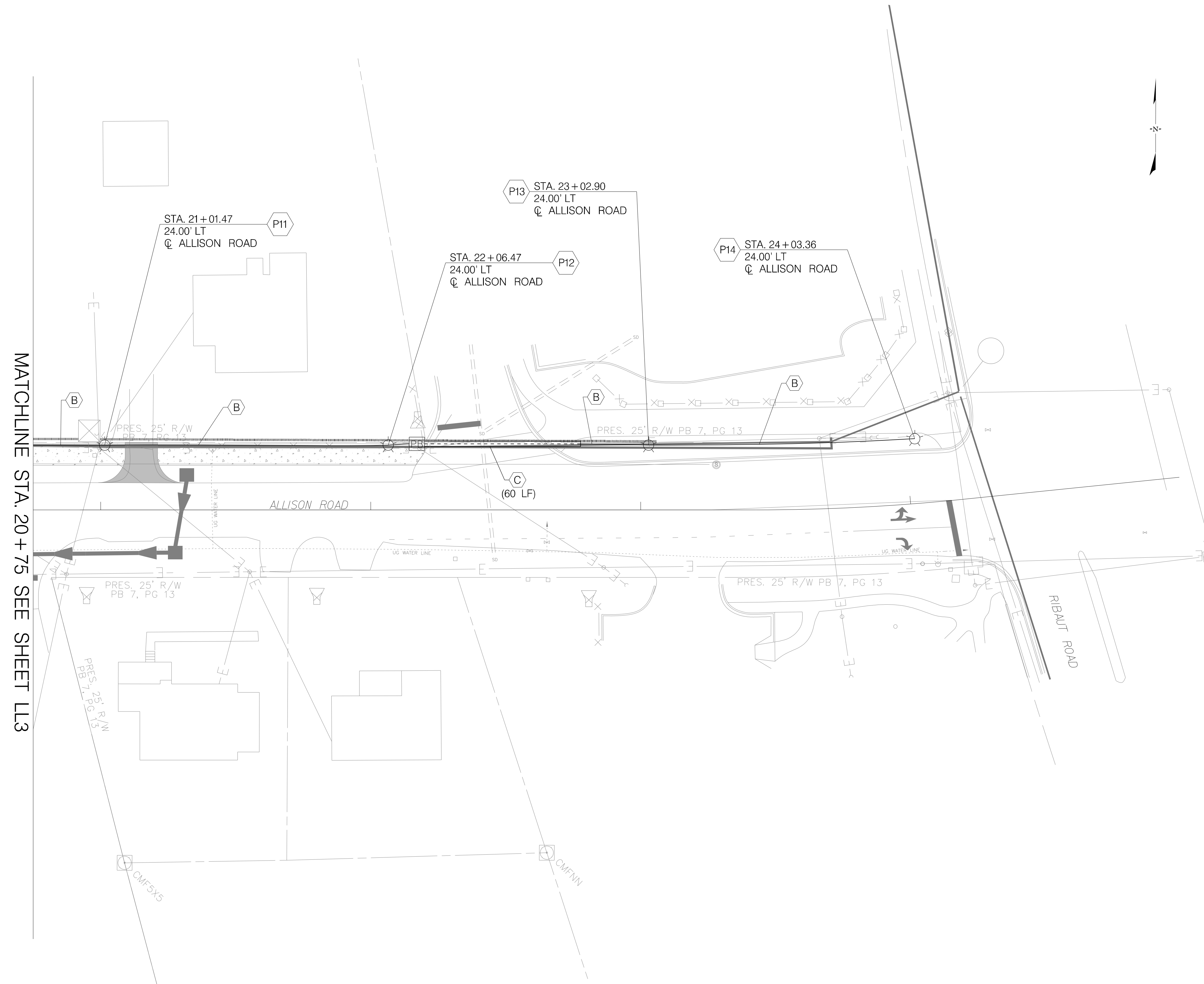


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BEAUFORT COUNTY
CITY OF BEAUFORT

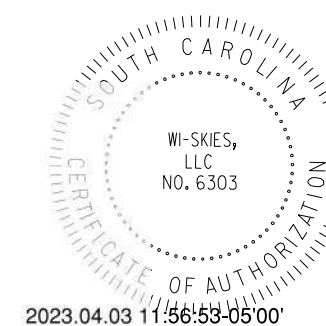
ALLISON ROAD (S-7-159)
LIGHTING PLAN SHEET

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



Wi-Skies, LLC

IE INFRASTRUCTURE
CONSULTING & ENGINEERING



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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET LL4

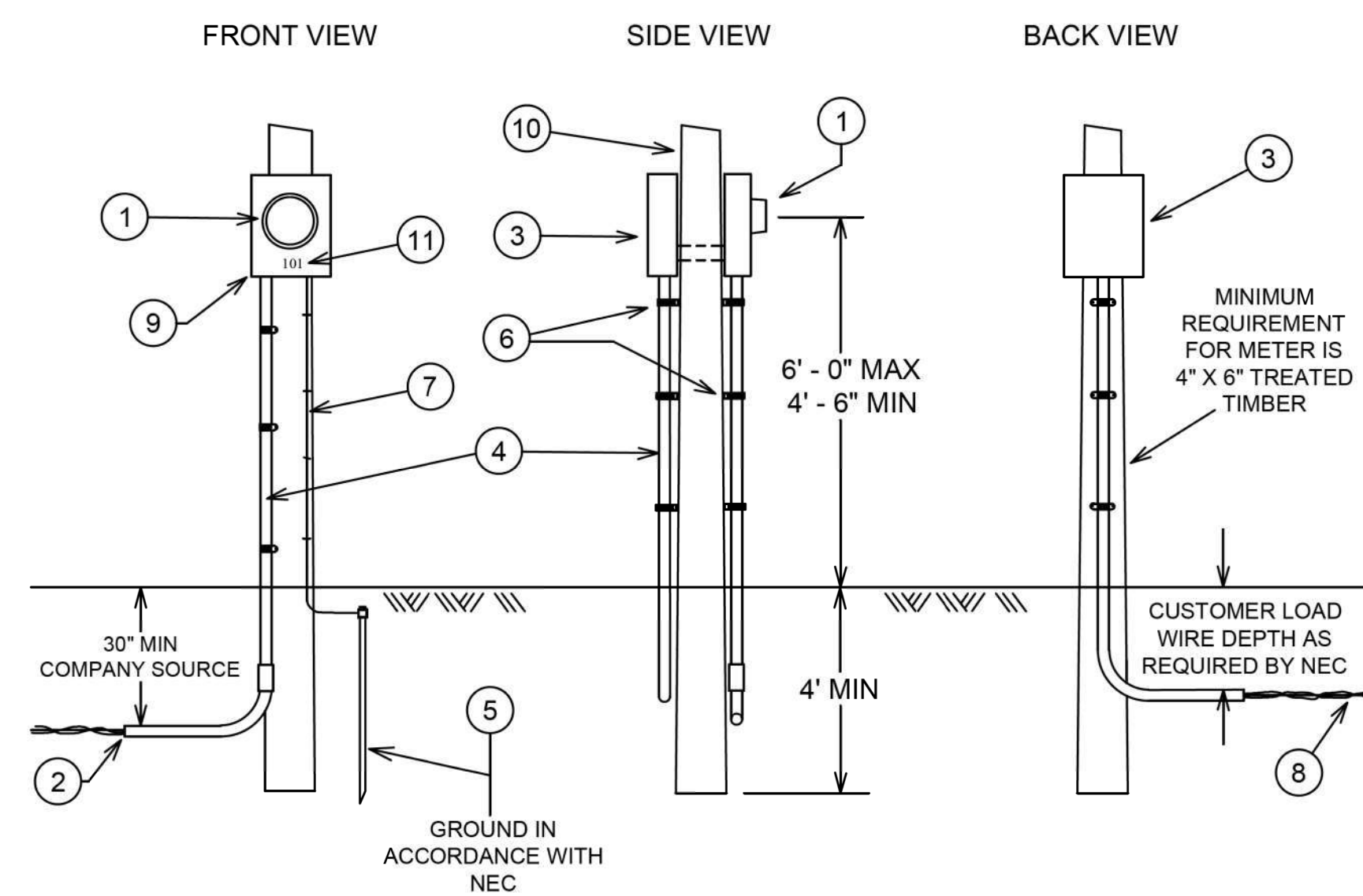
SCALE: 1" = 20'

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:

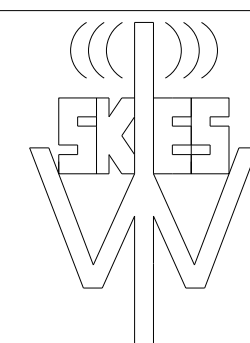
| ITEM # | DESCRIPTION |
|--------|--|
| 3 | CABINET AND CIRCUIT BREAKER(S) |
| 4 | CONDUIT (GALVANIZED IRON OR PVC) 2 INCH MIN DIAMETER |
| 5 | GROUND ROD (5/8" X 8' GALVANIZED OR COPPER CLAD) |
| 6 | PIPE STRAPS (SECURELY ATTACHING CONDUIT) |
| 7 | COPPER GROUND WIRE #6 MIN. (ALUMINUM NOT ACCEPTABLE) |
| 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

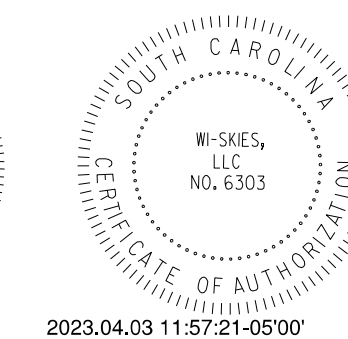
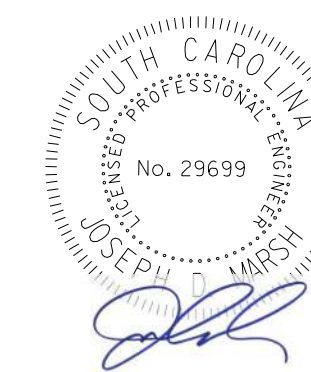
NOTES:

- 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.



Wi-Skies, LLC

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BEAUFORT COUNTY
CITY OF BEAUFORT

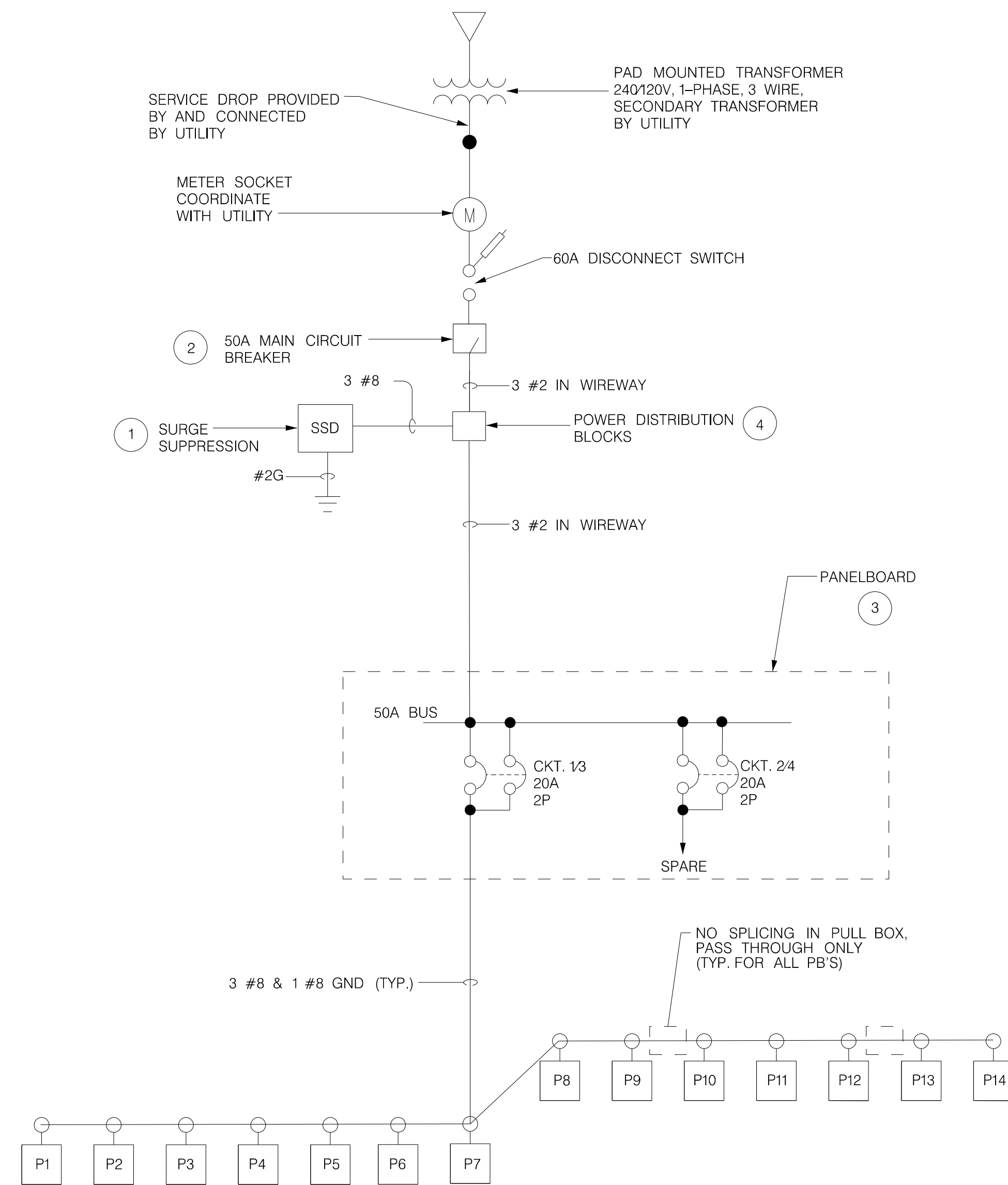
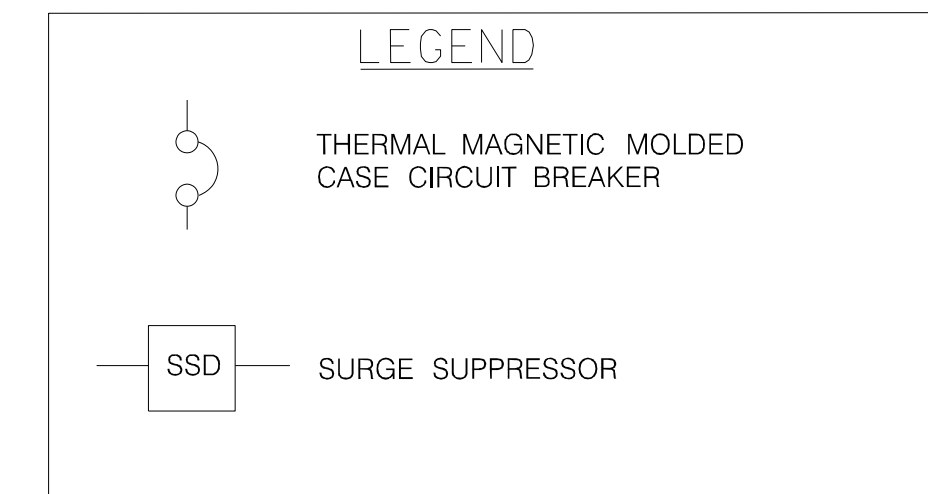
ALLISON ROAD (S-7-159)
LIGHTING PLAN SHEET
SERVICE PEDESTAL WITH METER DETAIL

SHEET LL5

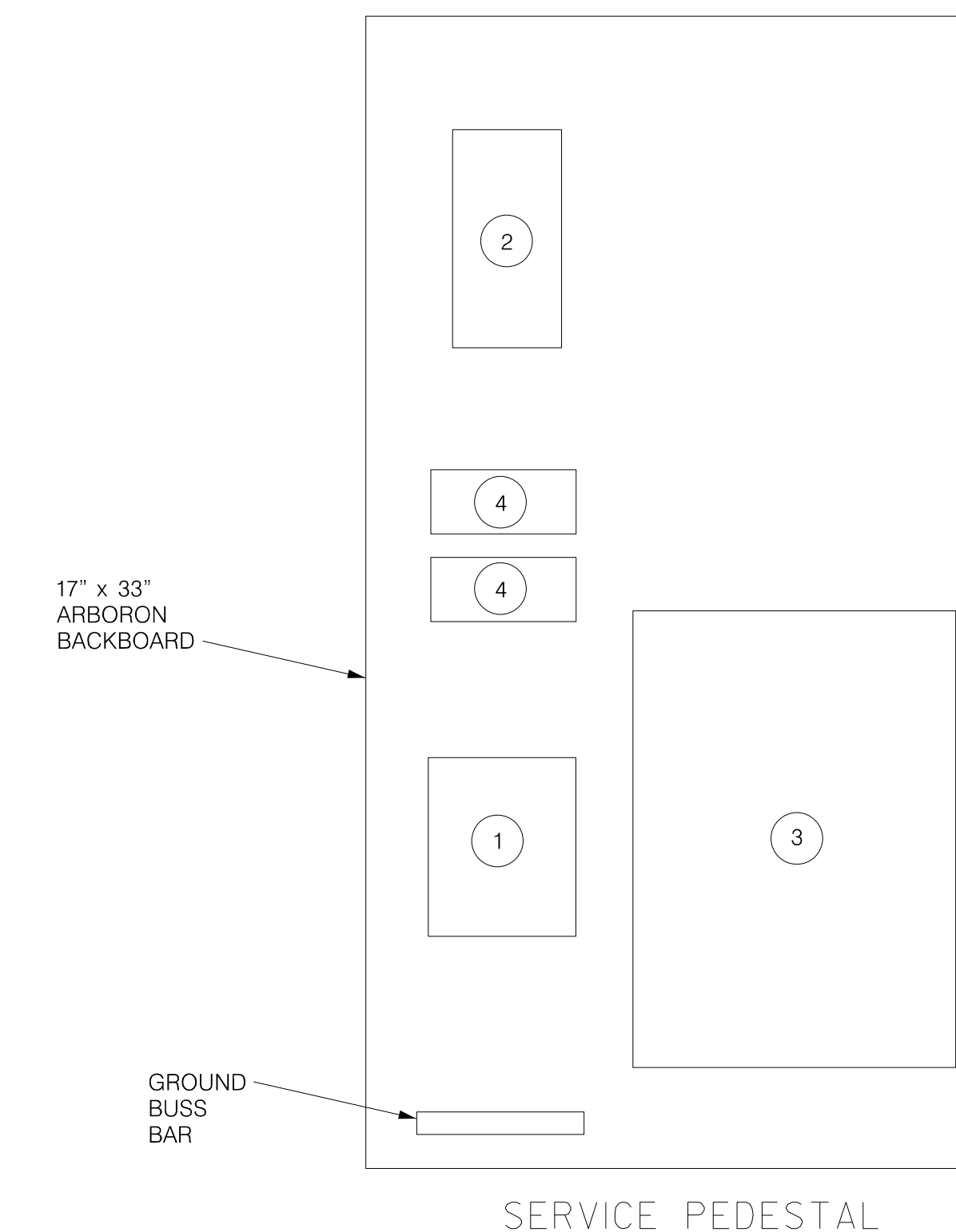
NOT TO SCALE

NOTES

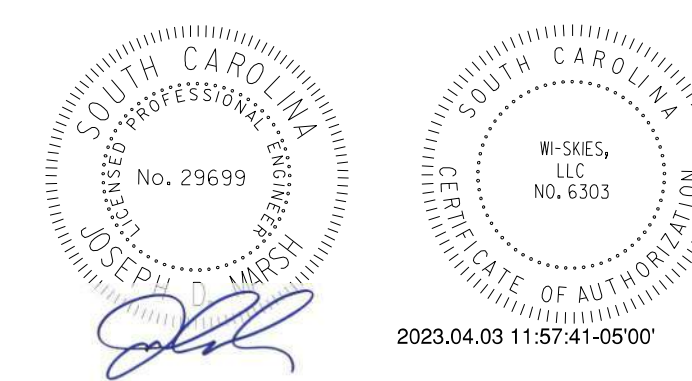
- 1 SURGE SUPPRESSOR SHALL BE SUITABLE FOR CONNECTION TO 120/240V, 1 PHASE SERVICE. THE SURGE SUPPRESSOR SHALL HAVE MINIMUM SURGE CURRENT RATING OF 130,000A PER PHASE AND SHALL PROVIDE L-L, L-N & N-G PROTECTION. THE SURGE SUPPRESSOR SHALL HAVE RED STATUS LED AND SHALL BE U.L. 1449 AND 1283 LISTED. SURGE 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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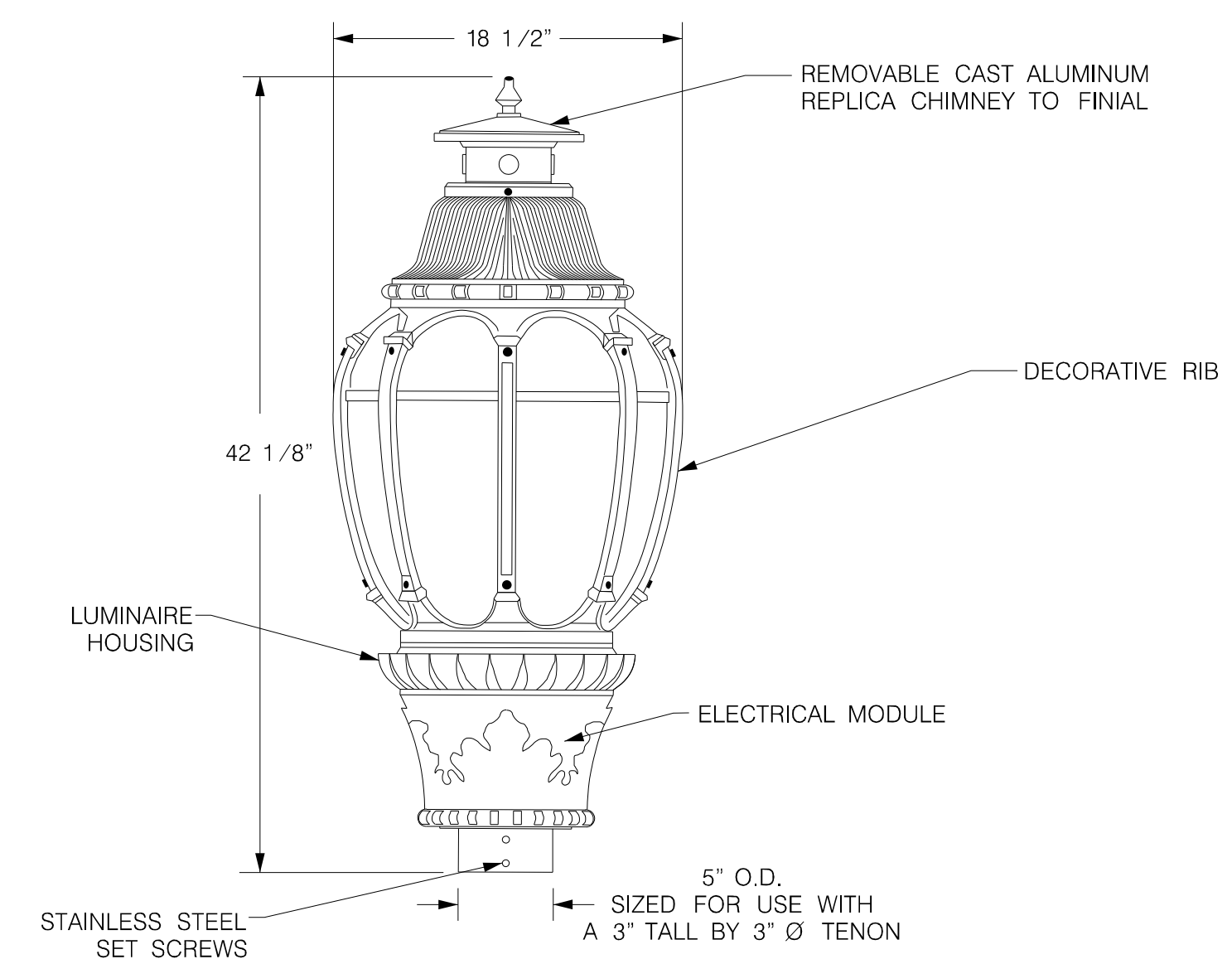
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BEAUFORT COUNTY
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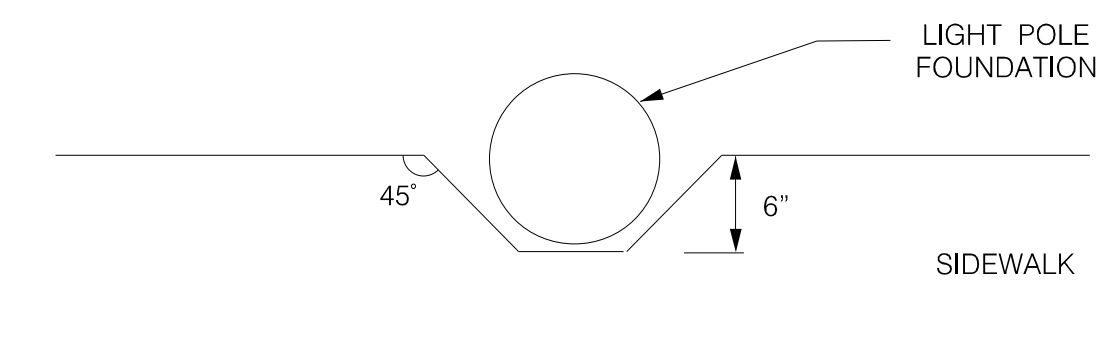
ALLISON ROAD (S-7-159)
LIGHTING PLAN SHEET
SERVICE POINT "A" DETAILS

SHEET LL6 NOT TO SCALE

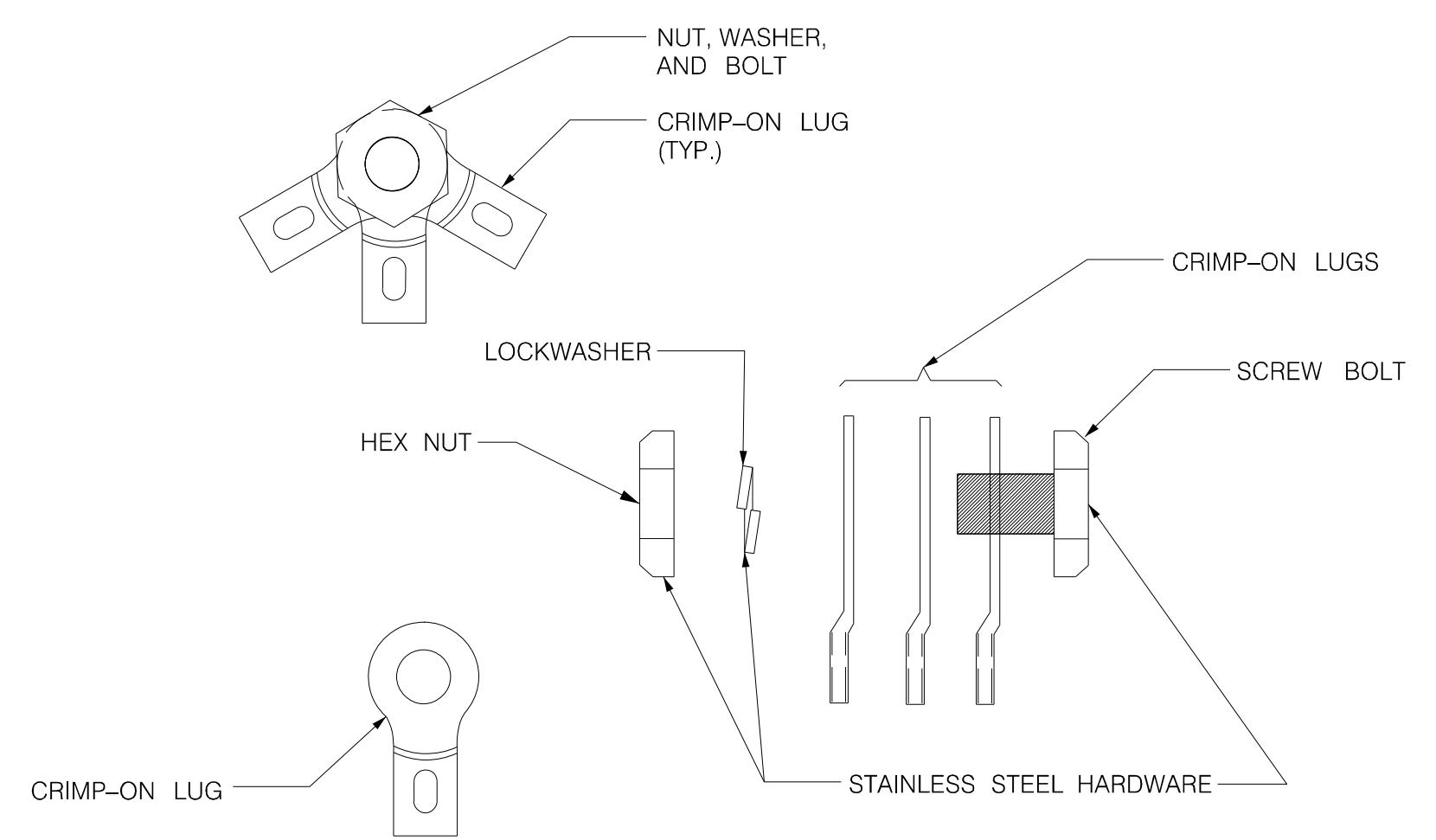
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| SC | BEAUFORT | | | S-7-159 | LL7 |



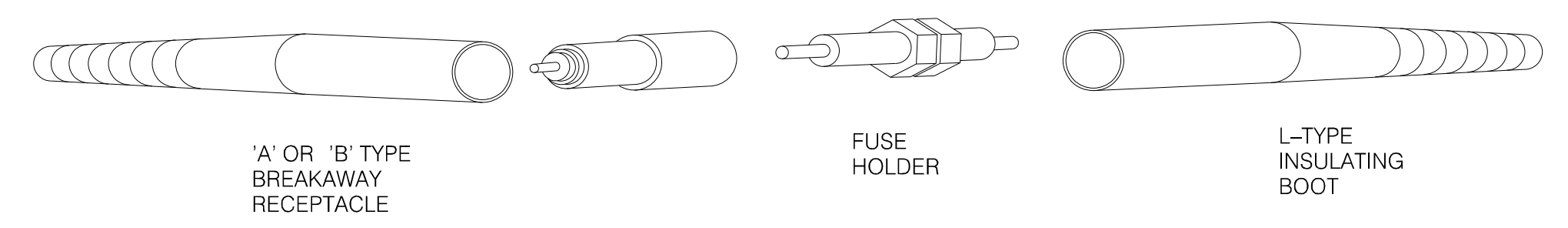
LUMINAIRE DETAIL



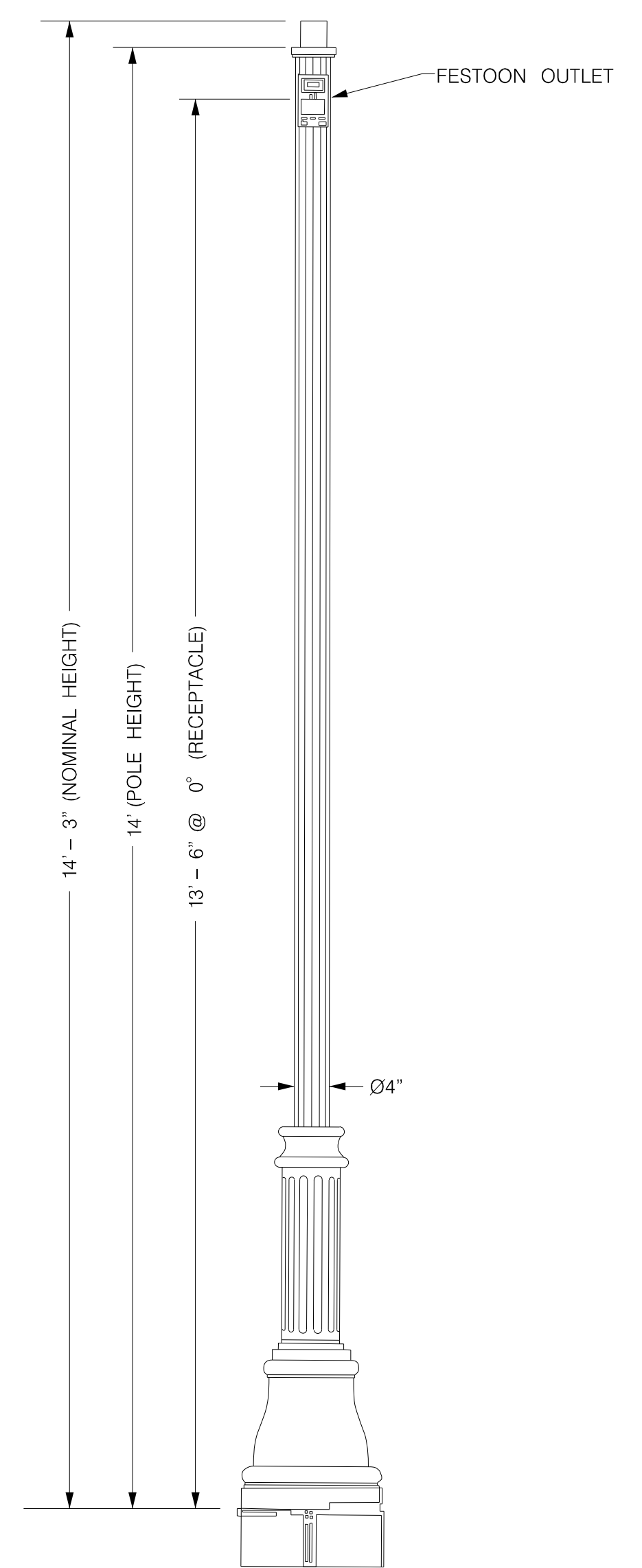
NOTCH DETAIL FOR LIGHT POLE INSTALLATION
(TYP. FOR P1 THRU P12)



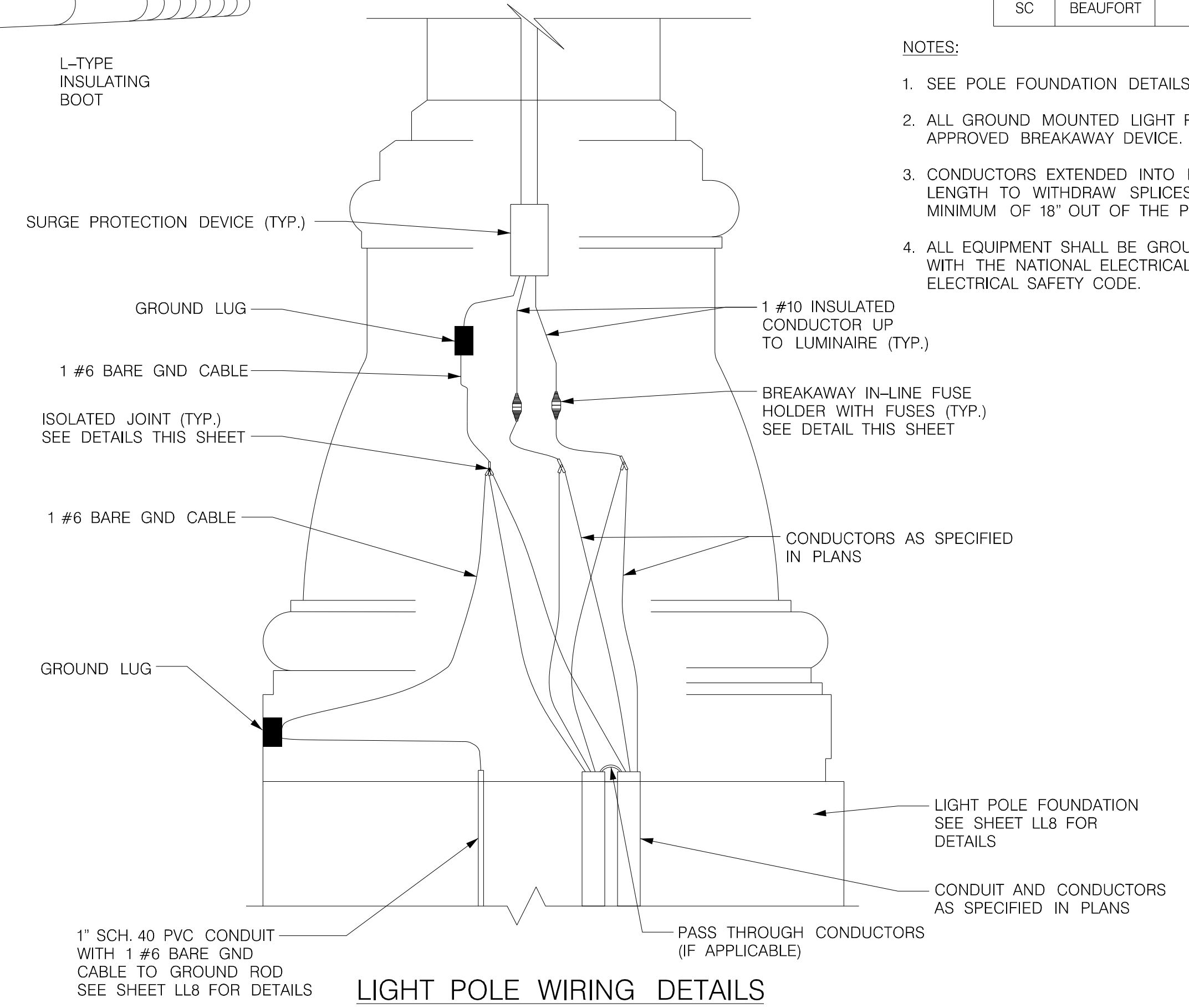
ISOLATED JOINT DETAIL



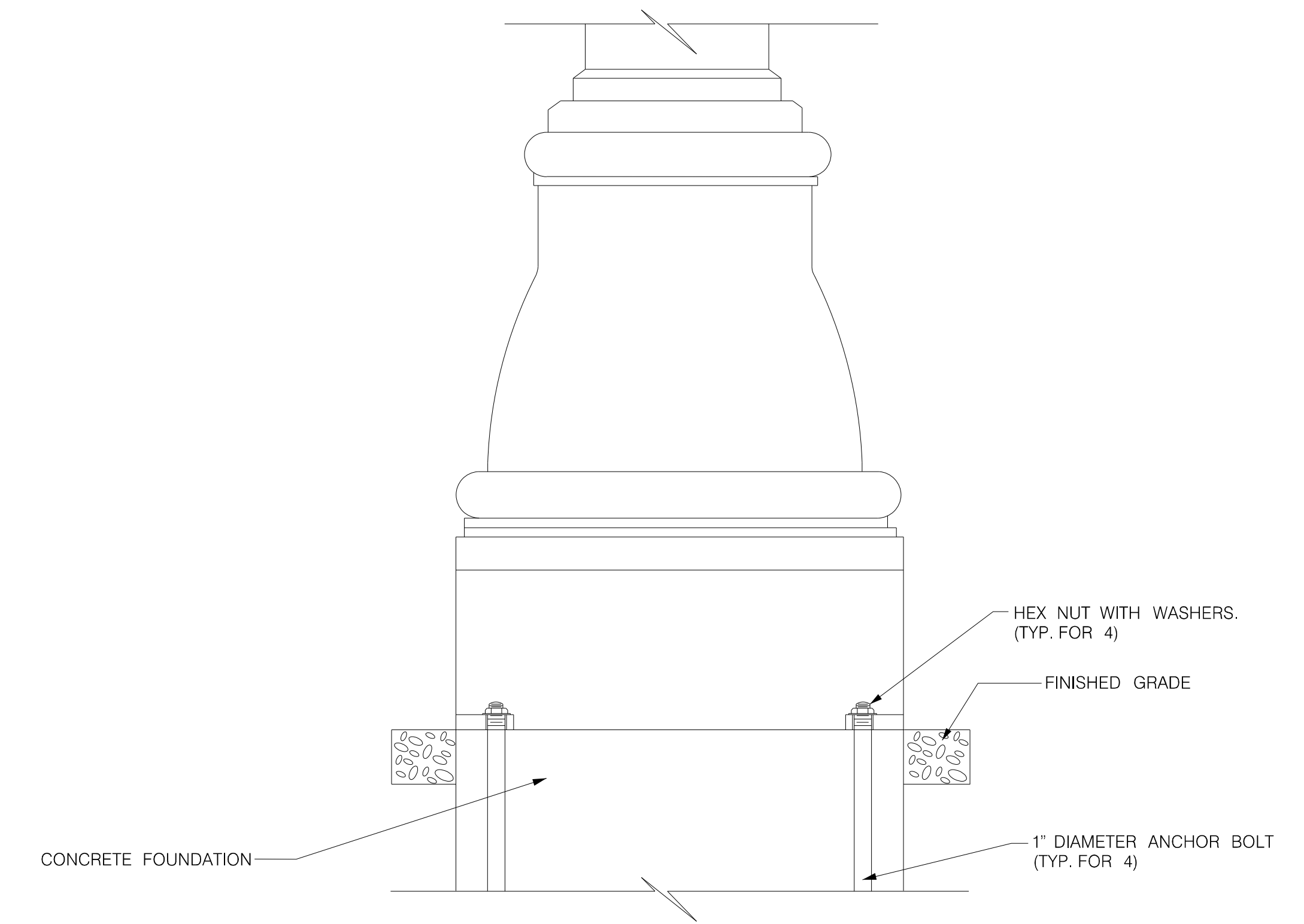
IN-LINE FUSE HOLDER WITH BREAKAWAY FEATURE DETAIL



POLE DETAIL



LIGHT POLE WIRING DETAILS



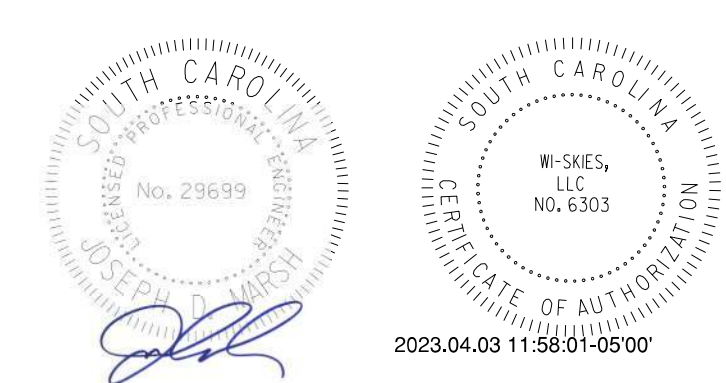
LIGHT POLE MOUNTING DETAIL

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.



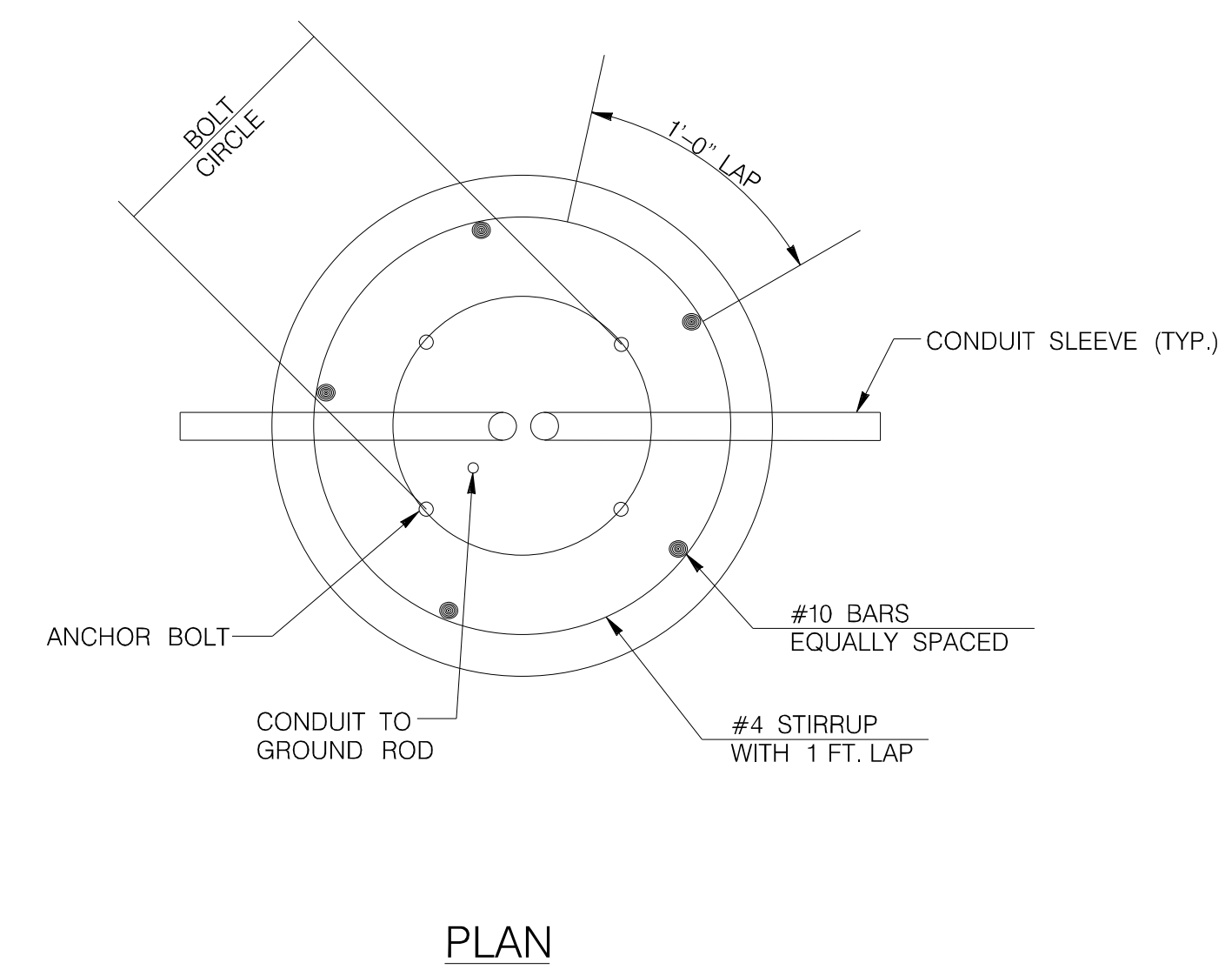
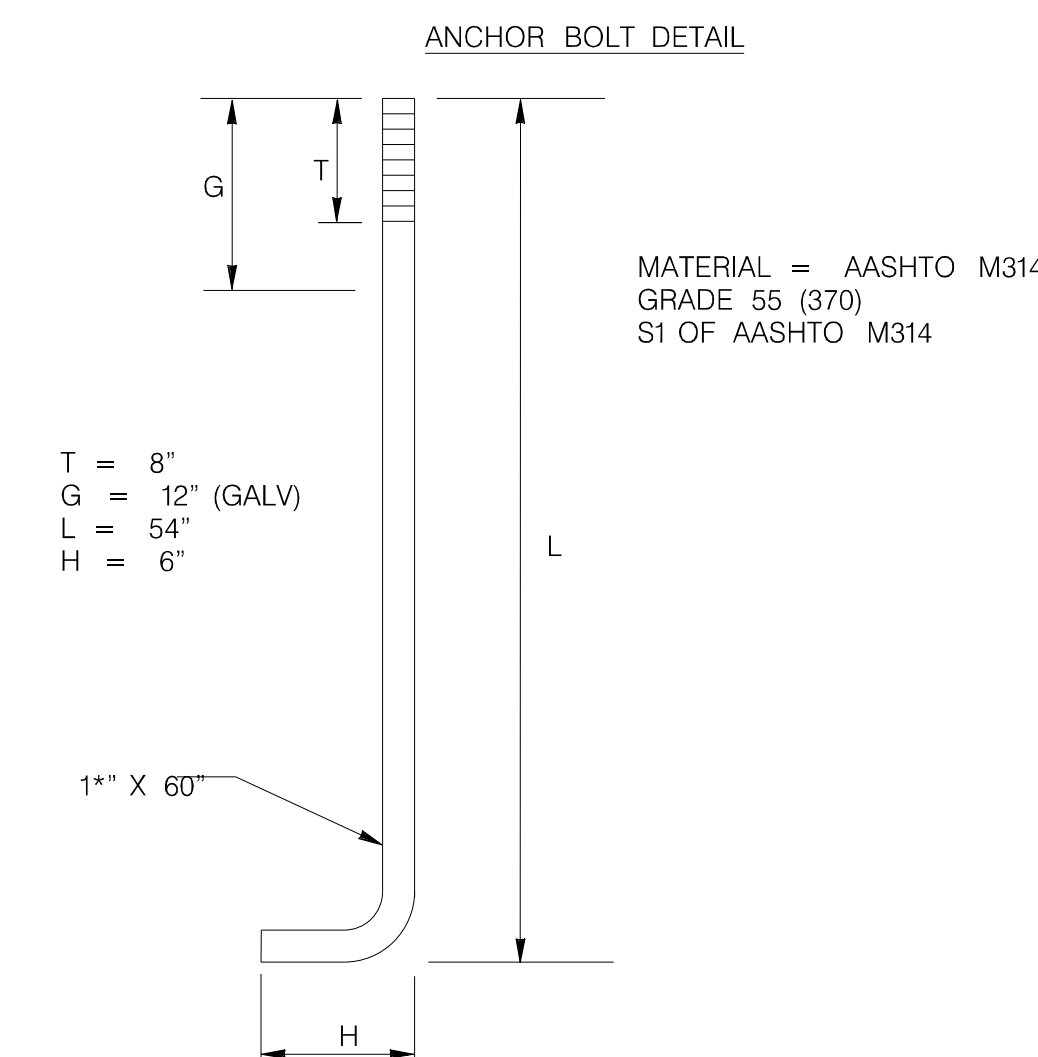
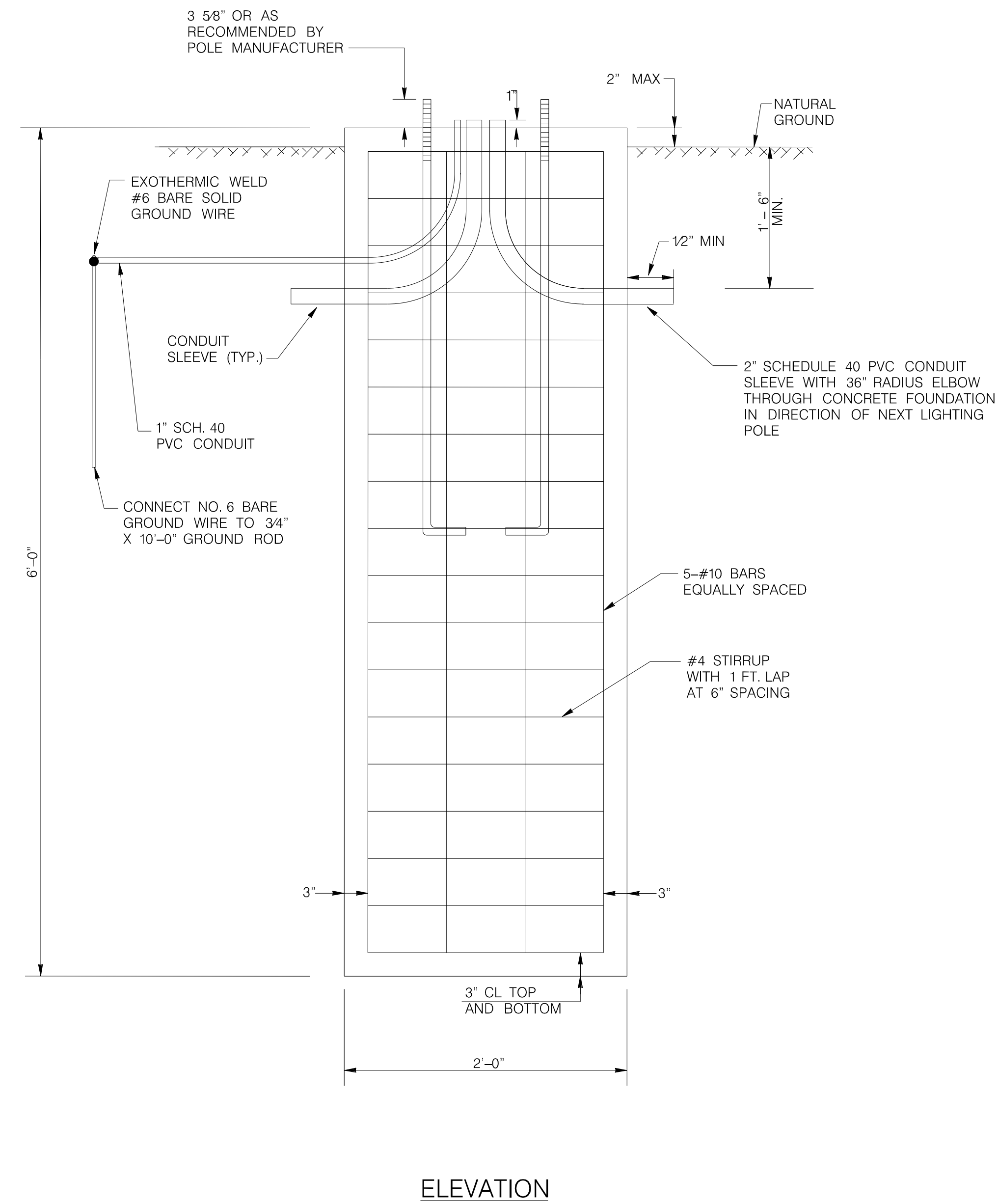
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CITY OF BEAUFORT

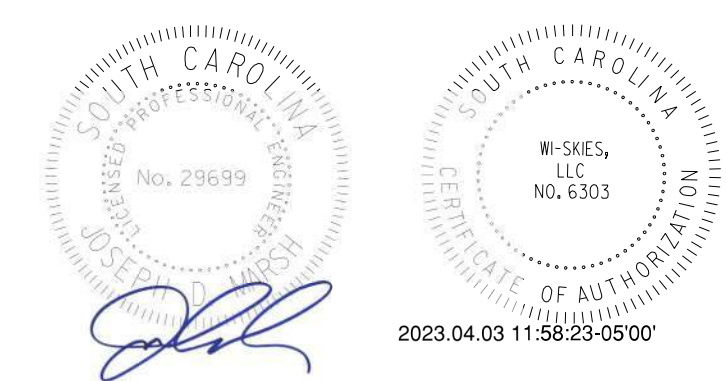
ALLISON ROAD (S-7-159)
LIGHTING PLAN SHEET
LIGHTING POLE DETAILS



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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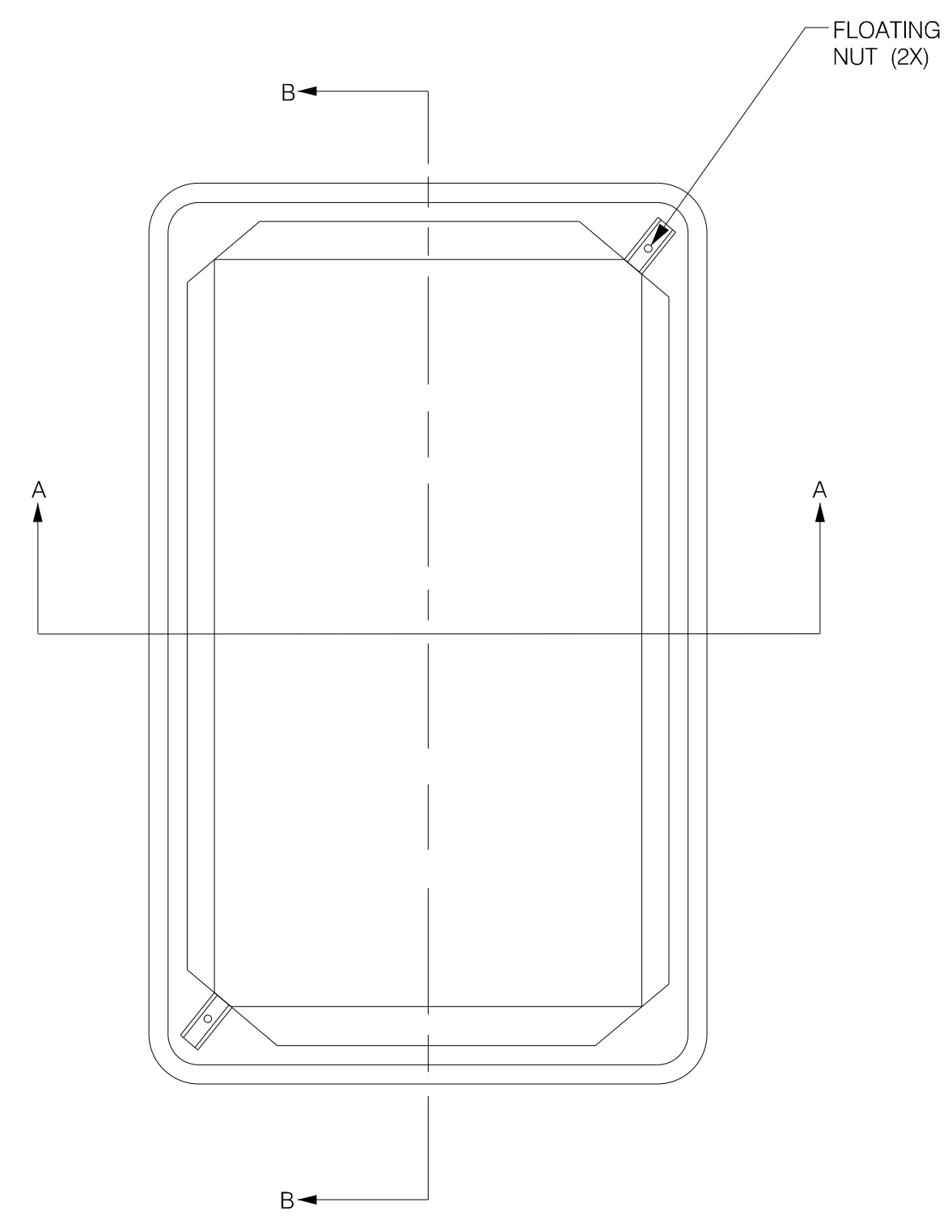


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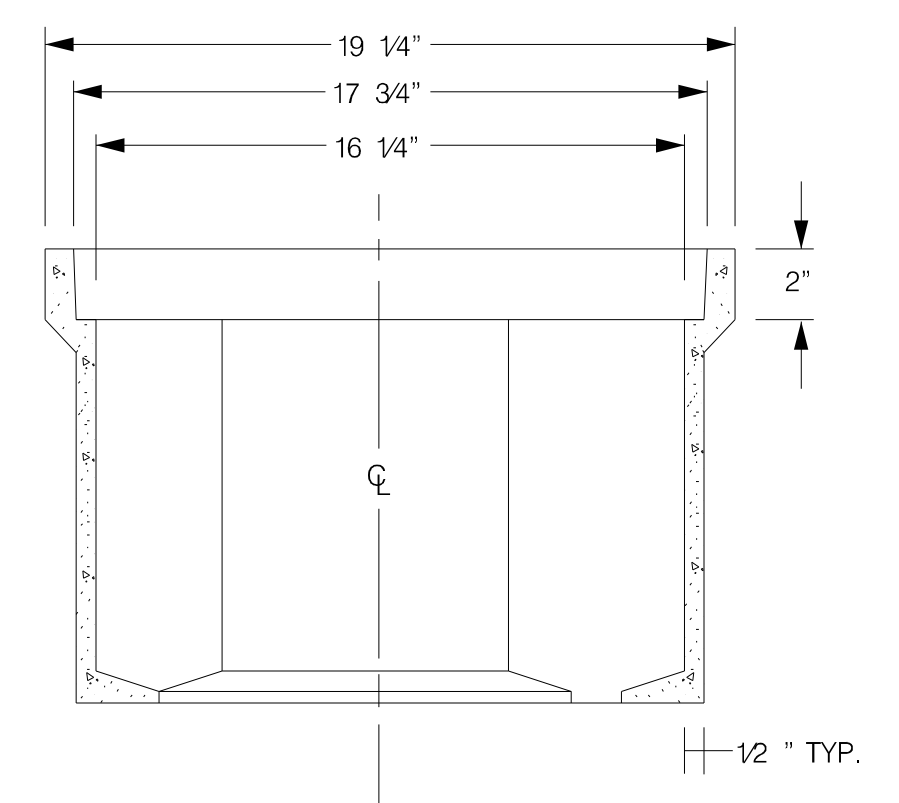
BEAUFORT COUNTY
CITY OF BEAUFORT

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

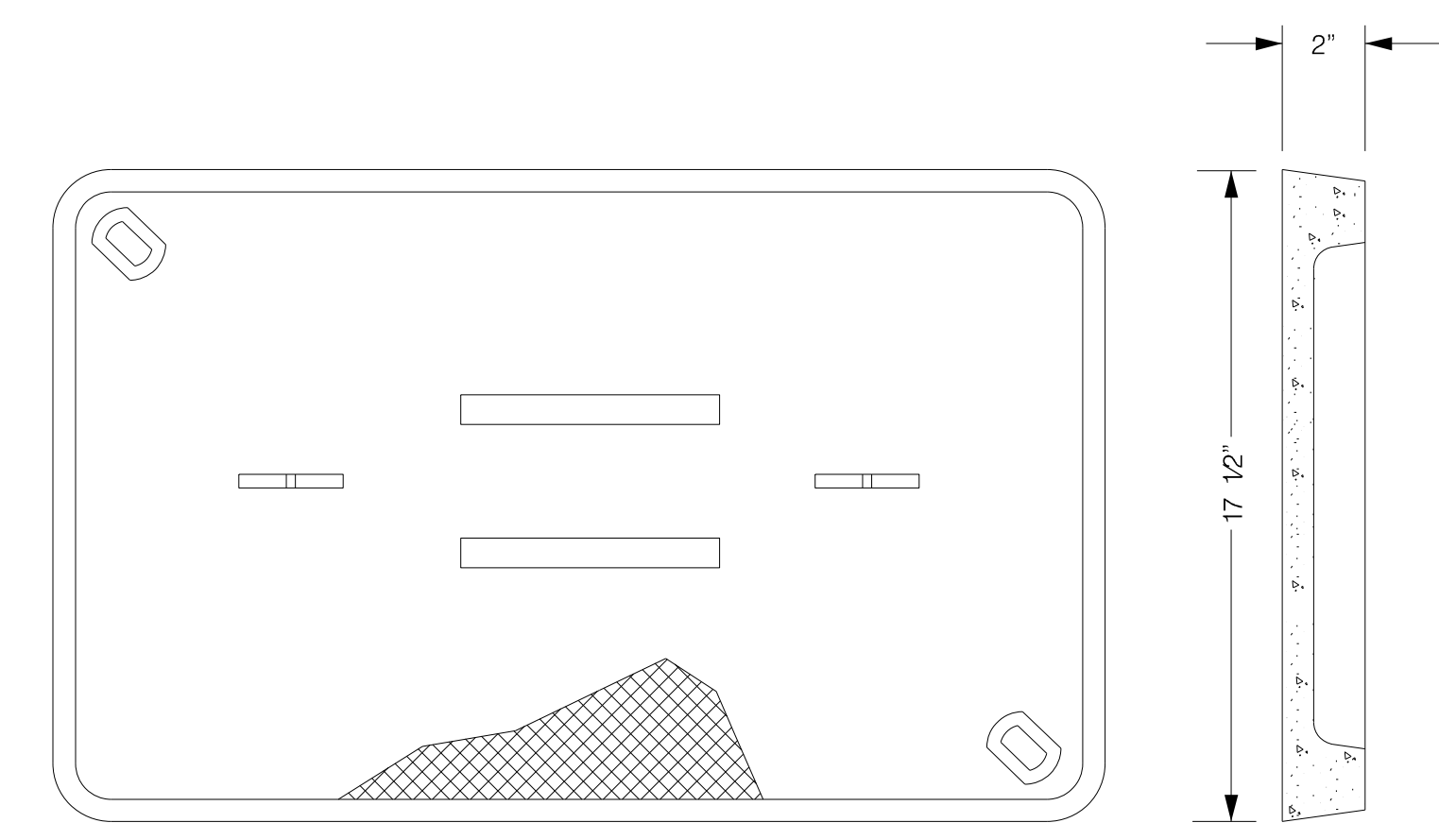
SHEET LL8 NOT TO SCALE



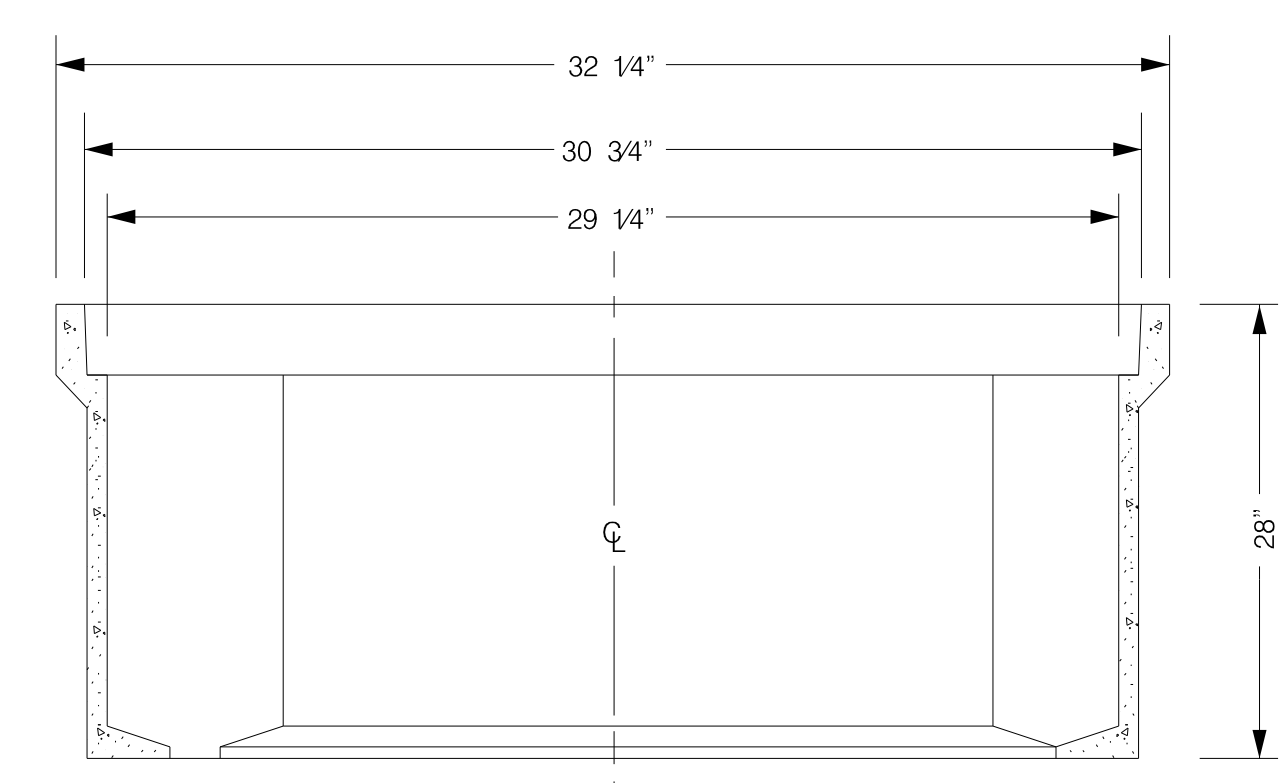
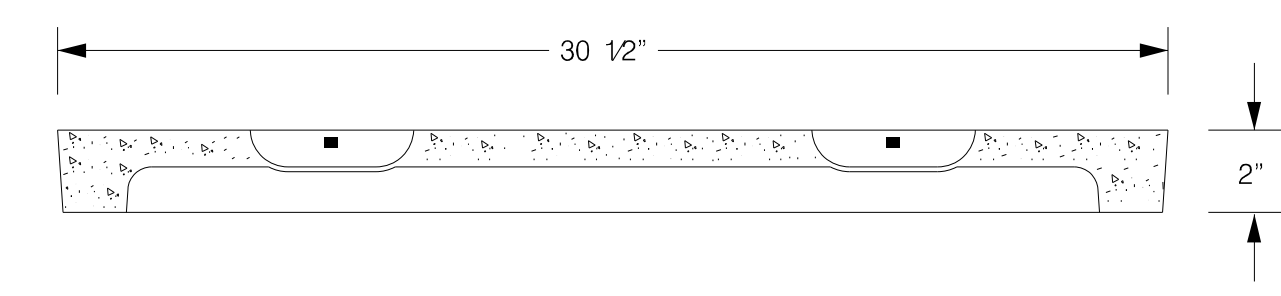
PLAN VIEW



SECTION A-A



POLYMER CONCRETE COVER

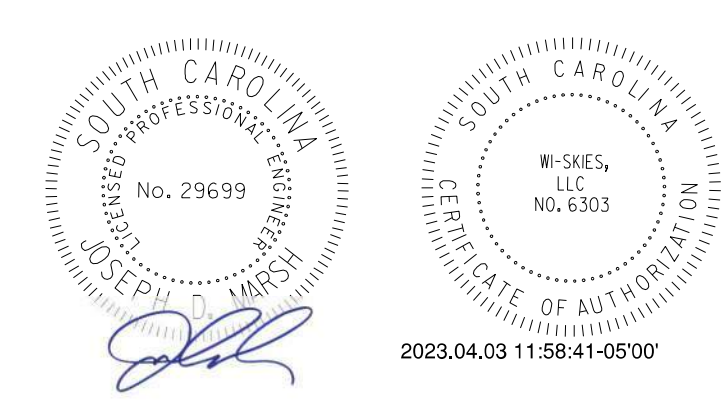


SECTION B-B

- 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.



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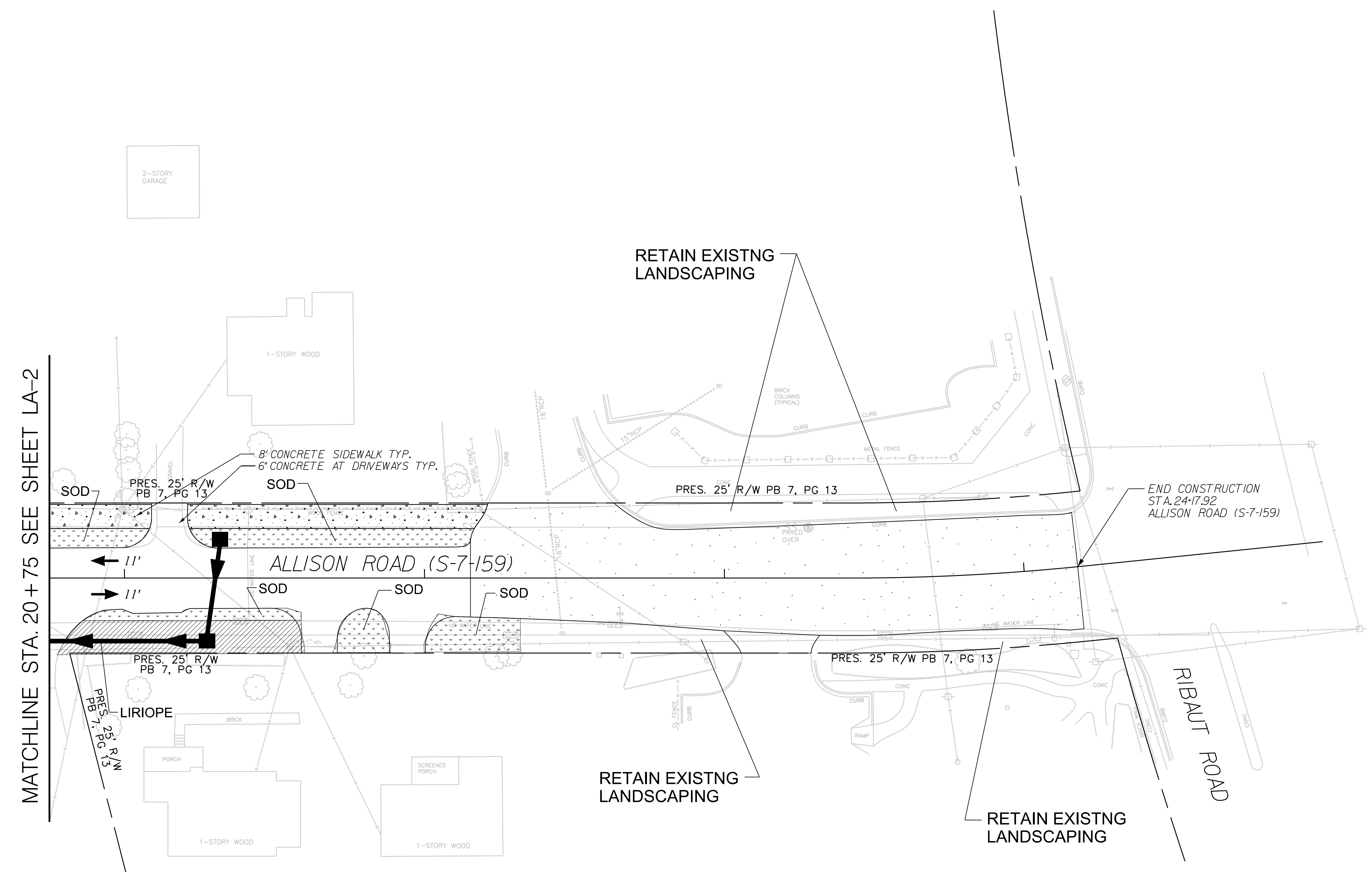
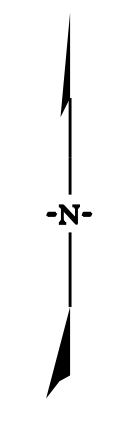
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CITY OF BEAUFORT

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

SHEET LL9 NOT TO SCALE

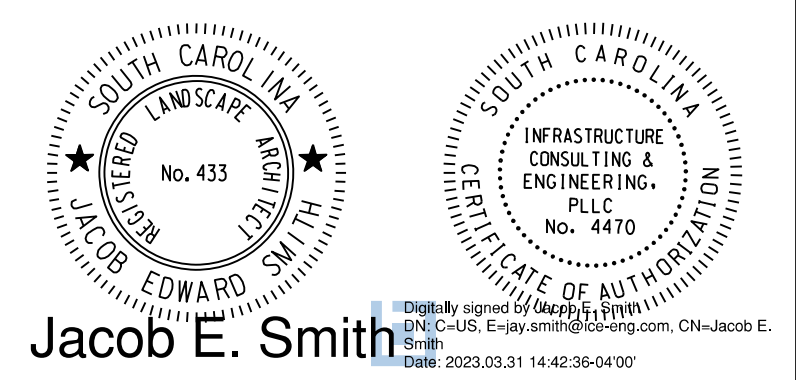
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MATCHLINE STA. 20+75 SEE SHEET LA-2

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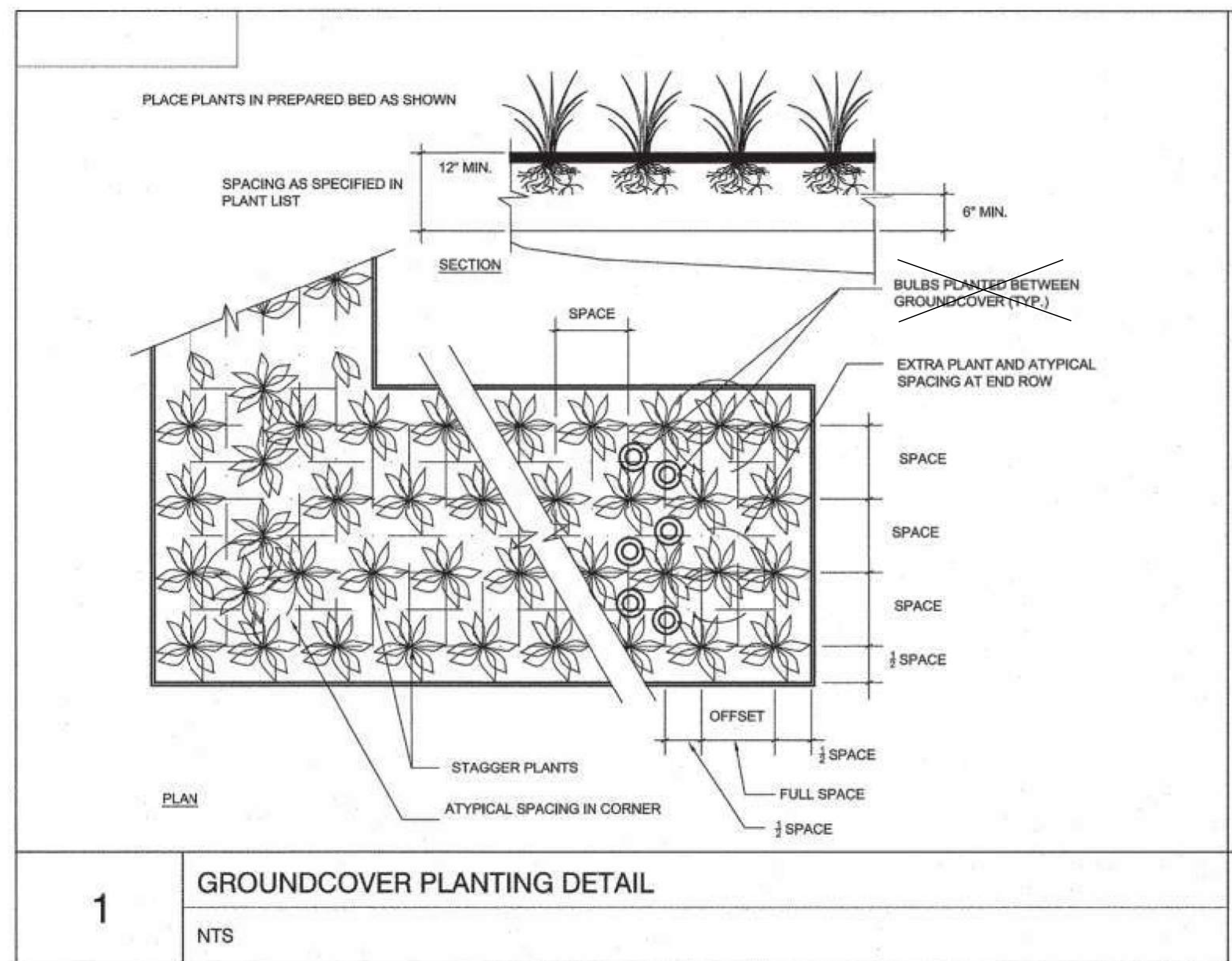
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BEAUFORT COUNTY
CITY OF BEAUFORT

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

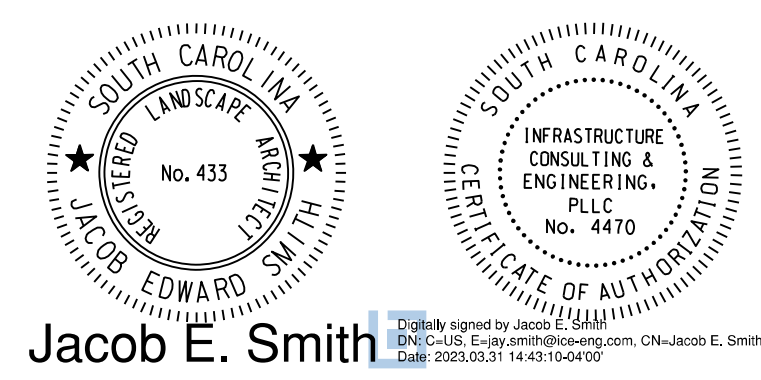
- REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOWS OR EXCEEDS A CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARDS FOR NURSERYSTOCK (ASNS).
- ALL PLANTS SHALL 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.
- MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PERCENT OF THIS YEARS VERTICAL GROWTH (TOPCANDLE).
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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
- NO EXCAVATED PLANTING PITS SHALL BE LEFT UNATTENDED OVERNIGHT.
- 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) |

- REMOVE BURLAP / STRAPPING AND WIRE BASKET FROM TOP OF ROOT BALL ON TREES.
- REMOVE PAPER, PLASTIC, OR METAL AROUND ROOTBALLS OF SHRUBS.
- DO NOT WRAP TREES.
- 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.
- TREE GUYING MATERIAL SHALL BE 'ARBOR TIE' OR EQUIVALENT. IF TREE GUYING IS NECESSARY, ALL SHALL BE REMOVED AFTER ONE YEAR.
- 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.
- 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.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY WATERING FOR ALL PLANT MATERIAL DURING ESTABLISHMENT PERIOD. THERE WILL BE NO SEPARATE PAY APP. NUMBER PROVIDED.
- CONTRACTOR SHALL INCLUDE ONE (1) YEAR MAINTENANCE/ WATERING OF PLANT MATERIAL IN THE COST OF THE PROJECT.
- 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.

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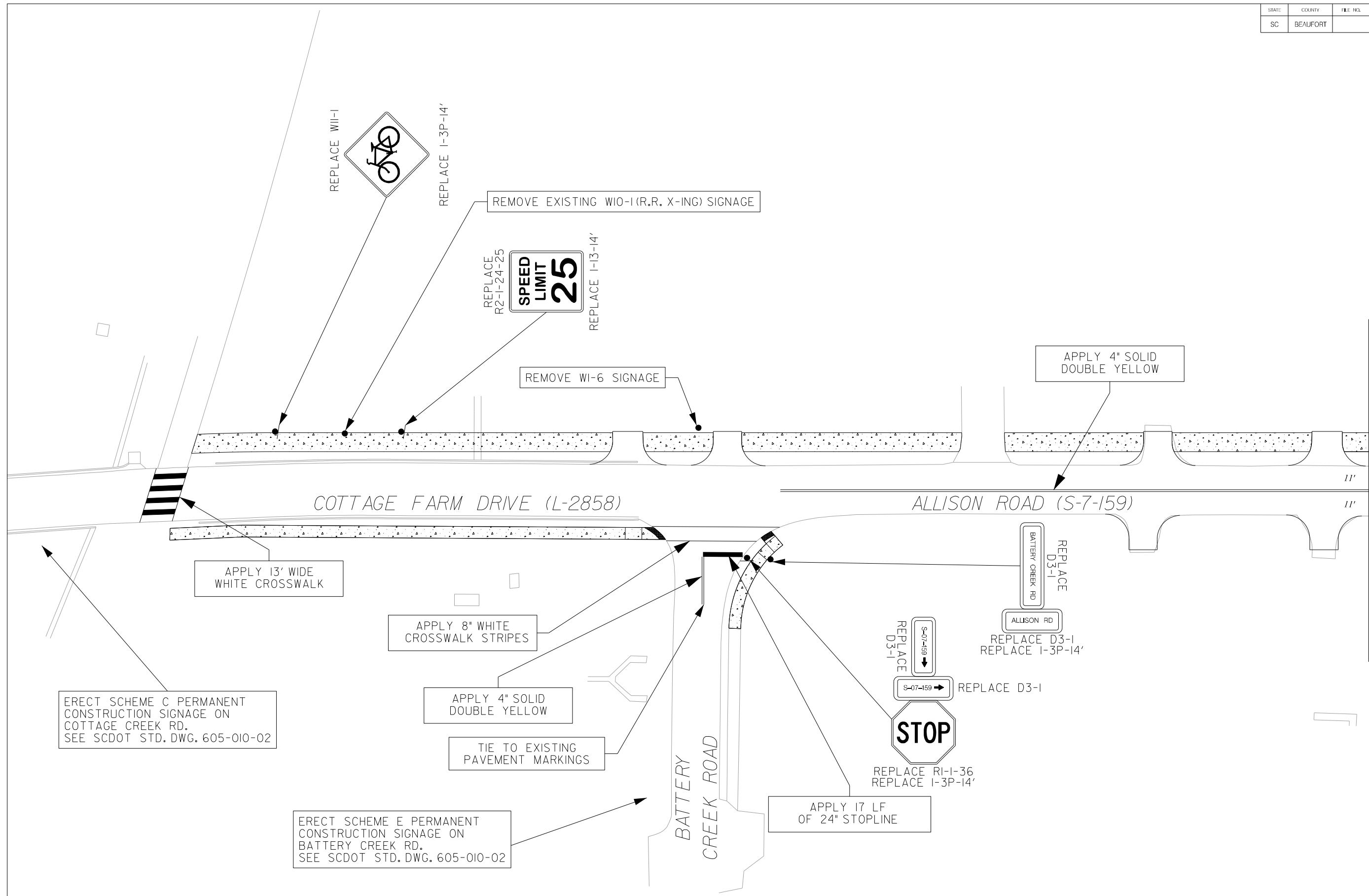
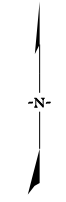
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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET LA-4 SCALE: NTS

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| 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



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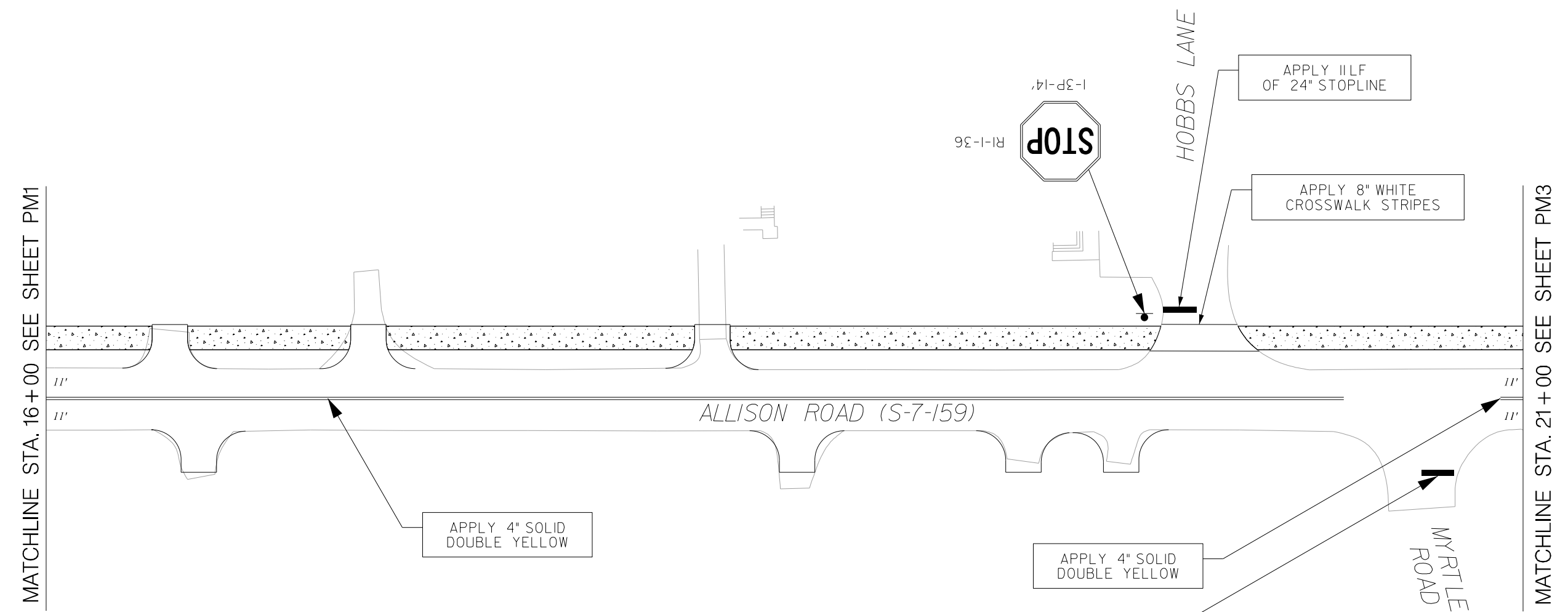
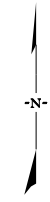
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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET PM1 SCALE: 1" = 20'

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| 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



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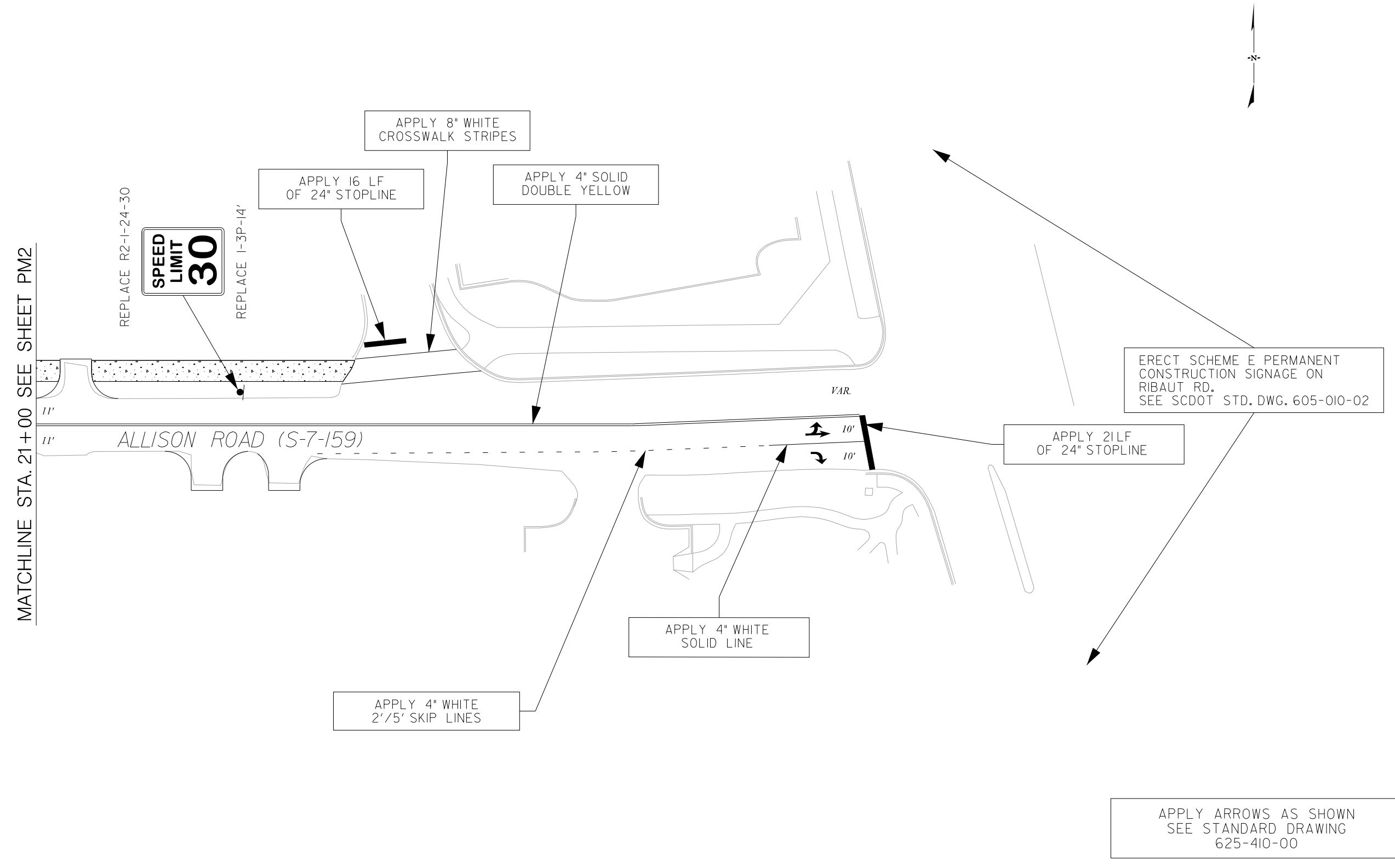
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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET PM2 SCALE: 1" = 20'

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| 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

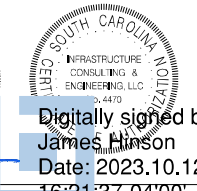
APPLY 21LF OF 24" STOPLINE

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



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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET PM3 SCALE: 1" = 20'

* 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.

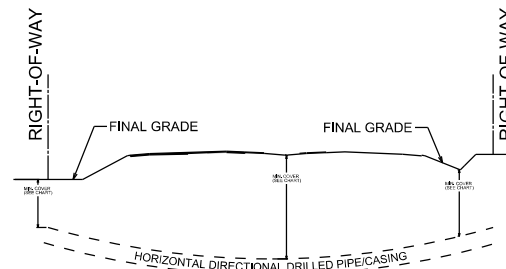
16. CONTRACTOR SHALL HOLD FIELD MEETING TO REVIEW EXACT LOCATIONS OF ALL TURN-UPS AND TERMINAL LOCATIONS PRIOR TO BEGINNING CONDUIT PLACEMENT.

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.

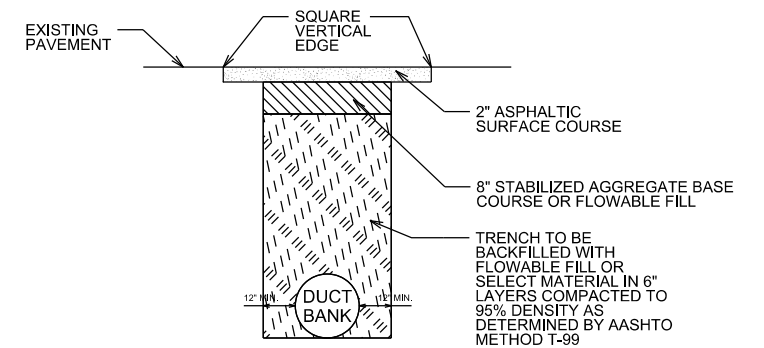
19. BRIGHTSPEED AND HARGRAY TURNOUTS TO BE PLACED BACKSIDE OF PATH INSIDE OF RIGHT OF WAY.

20. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND SERVICES NECESSARY TO CONVERT THE ELECTRICAL 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.

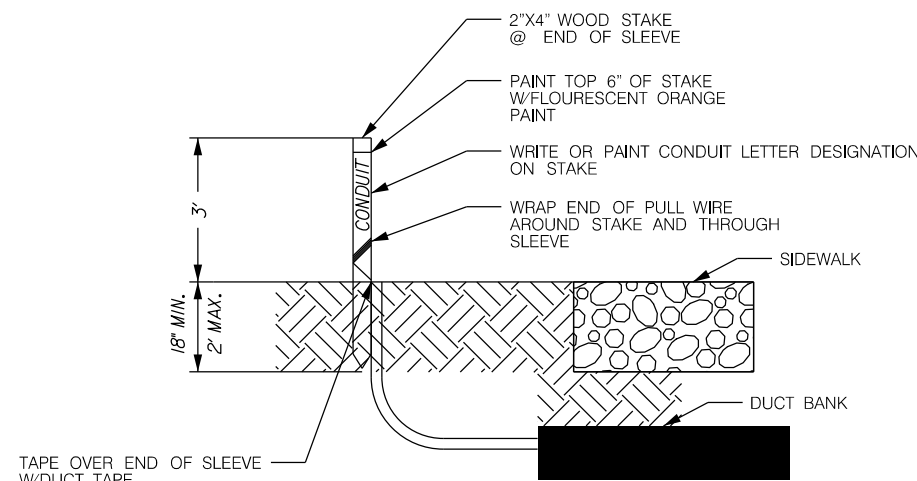


| CASING/CARRIER PIPE DIAMETER | MINIMUM COVER |
|--|---------------|
| GREATER THAN 2 INCHES UP TO 6 INCHES | 4 FEET |
| GREATER THAN 6 INCHES UP TO 14 INCHES | 10 FEET |
| GREATER THAN 14 INCHES UP TO 24 INCHES | 15 FEET |
| GREATER THAN 24 INCHES UP TO 48 INCHES | 25 FEET |

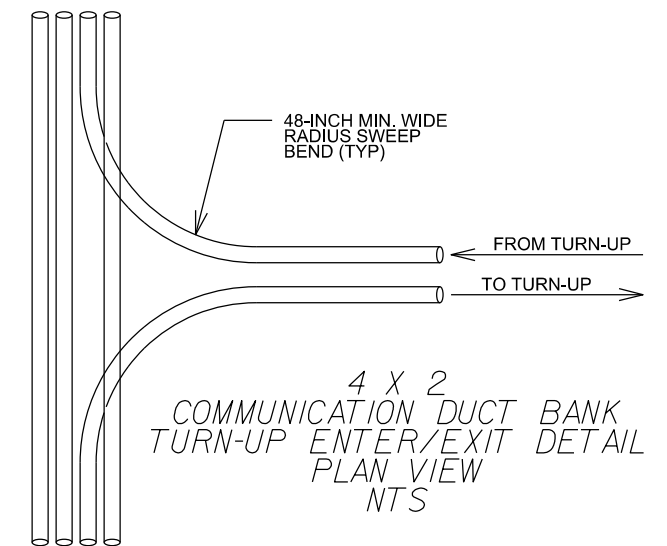
SCDOT UAM HORIZONTAL DIRECTIONAL DRILL MINIMUM COVER REQUIREMENTS DETAIL NTS



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

EARTH BACKFILL COMPACTED TO SCDOT STANDARDS.

GRANULAR BACKFILL

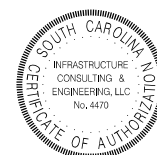
42" MINIMUM COVER

ALTERNATE CONFIGURATION. CONTRACTOR MAY CONFIGURE CONDUIT ARRANGEMENT AS NECESSARY, ONLY SHOWN FOR 4-4 SECTION. MAY BE USED IN COMBINATION WITH ALL OTHER QUANTITY AND SIZE SECTION.



UTILITY DUCT BANK DETAIL NTS

IE INFRASTRUCTURE CONSULTING & ENGINEERING



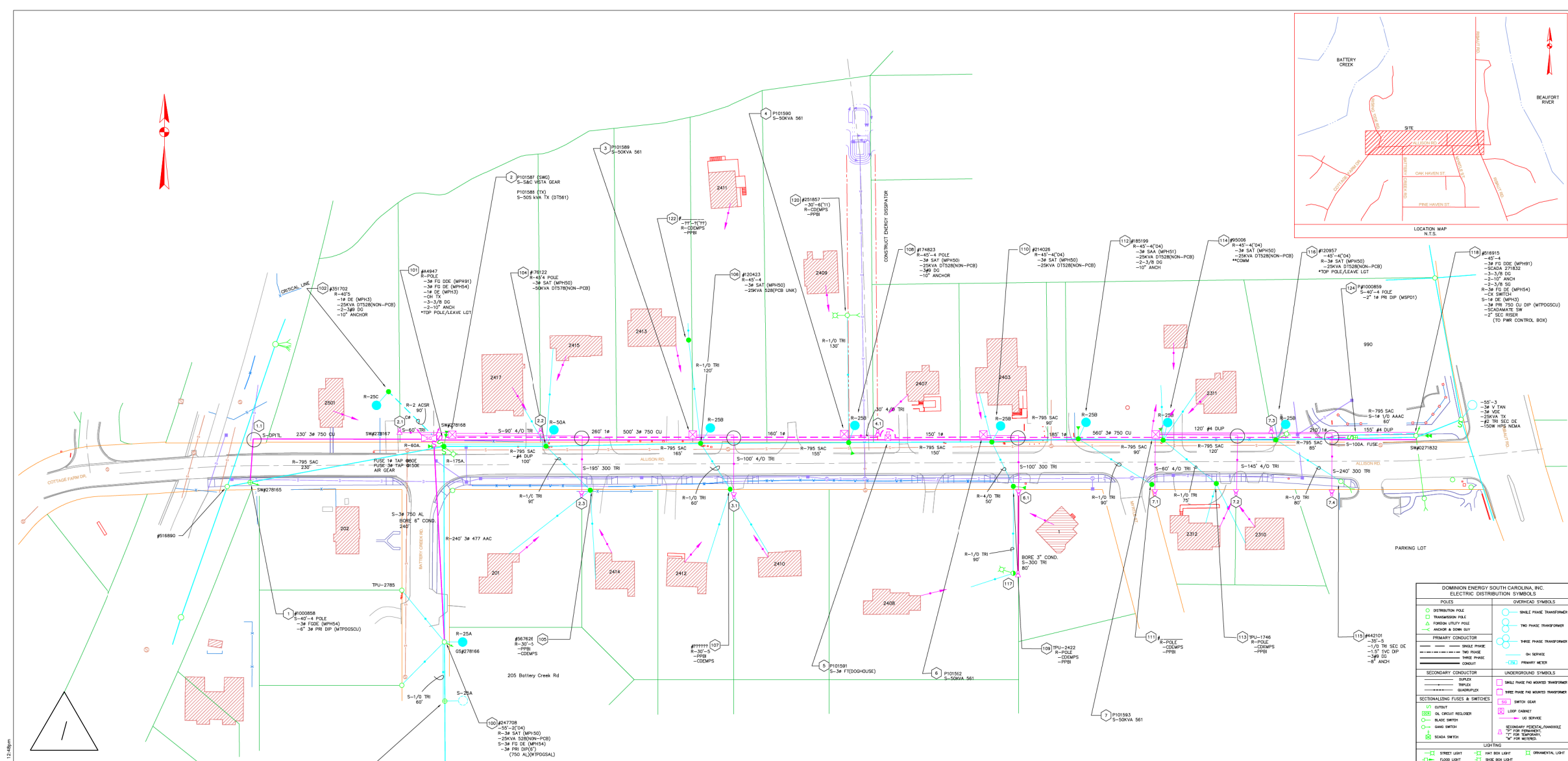
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| 1 | MBC | 10-24-23 | ADDING COMMUNICATION CONDUIT TO ELECTRICAL / COMMUNICATION SERVICE CONVERSIONS. |
| REV. NO. | BY | DATE | DESCRIPTION OF REVISION |
| DESIGNED BY: | | DATE | |
| DRAWN BY: | | DATE | |
| CHECKED BY: | | DATE | |

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 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, AS REQUIRED PER CODE FOR DOMINION POWER. ALL OTHER WORK TO BE PERFORMED BY OTHERS.

REFERENCE DRAWING ONLY, NOT TO SCALE

| DOMINION ENERGY SOUTH CAROLINA, INC. ELECTRIC DISTRIBUTION SYMBOLS | |
|---|--|
| POLES | OVERHEAD SYMBOLS |
| ○ DISTRIBUTION POLE | ○ SINGLE PHASE TRANSFORMER |
| ○ TRANSMISSION POLE | ○ TWO PHASE TRANSFORMER |
| ○ FOREIGN UTILITY POLE | ○ THREE PHASE TRANSFORMER |
| ○ ANCHOR & DOWN GUY | ○ PRIMARY WEAVER |
| PRIMARY CONDUCTOR | UNDERGROUND SYMBOLS |
| — PRIMARY PHASE | ○ SINGLE PHASE PAD MOUNTED TRANSFORMER |
| — SECONDARY PHASE | ○ THREE PHASE PAD MOUNTED TRANSFORMER |
| — TAP | ○ SWITCH GEAR |
| — TAP ANCHOR | ○ LOOP CABLE |
| SECONDARY CONDUCTOR | ○ UNDERGROUND CABLE |
| — SUPPLY | ○ UNDERGROUND CABLE |
| — SERVICE | ○ UNDERGROUND CABLE |
| — SERVICE | ○ UNDERGROUND CABLE |
| SECTIONALIZING DEVICES & SWITCHES | ○ UNDERGROUND CABLE |
| ○ SWITCH | ○ UNDERGROUND CABLE |
| ○ ON/OFF RELEASER | ○ UNDERGROUND CABLE |
| ○ BREAK SWITCH | ○ UNDERGROUND CABLE |
| ○ BANK SWITCH | ○ UNDERGROUND CABLE |
| ○ SCADA SWITCH | ○ UNDERGROUND CABLE |
| LIGHTING | ○ UNDERGROUND CABLE |
| ○ STREET LIGHT | ○ UNDERGROUND CABLE |
| ○ FLOOD LIGHT | ○ UNDERGROUND CABLE |
| ○ LIGHTING | ○ UNDERGROUND CABLE |
| ○ LIGHTING | ○ UNDERGROUND CABLE |

| RIGHT OF WAY INFORMATION | |
|-------------------------------------|---------------|
| STARTED BY: | FILE NUMBER: |
| COMPLETED BY: | EASEMENT NO.: |
| CLOSED OUT BY: | COORDINATOR: |
| ELECTRIC ENG.-TECH. TERRANCE HARRIS | |
| GAS ENG.-TECH. _____ | |

3 DAYS BEFORE BEGINNING IN SOUTH CAROLINA
CALL 811
IT'S 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

DEVELOPER HEREBY APPROVES THIS LAYOUT FOR CONSTRUCTION AND CERTIFIES THAT HE/SHE HAS THE AUTHORITY TO DO SO. ANY CHANGE AFFECTING THIS LAYOUT MUST BE REPORTED IMMEDIATELY TO DOMINION ENERGY SOUTH CAROLINA, INC. ALL COSTS ASSOCIATED WITH ANY REQUIRED CHANGE OF INSTRUMENT POLICY, STATE AND LOCAL LAW, AS WELL AS REGULATORY RESTRICTIONS AT THE TIME OF CONSTRUCTION WILL BE BORNE BY THE DEVELOPER. DEVELOPER CERTIFIES THAT HE/SHE HAS REVIEWED THE DOMINION ENERGY SOUTH CAROLINA, INC. DEVELOPER'S HANDBOOK AND ALL REQUIREMENTS LISTED IN THE HANDBOOK UNDER DEVELOPER RESPONSIBILITY MUST BE MET BEFORE CONSTRUCTION CAN BE SCHEDULED.

APPROVED BY: _____ (SIGNATURE)
TITLE: _____ (PRINT NAME)
COMPANY: _____ (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'
D-83841
SHEET 1 OF 1 SHEETS

PLAN "SAFETY" INTO EVERY JOB

ELECTRONIC DRAWING - DO NOT REVISE MANUALLY



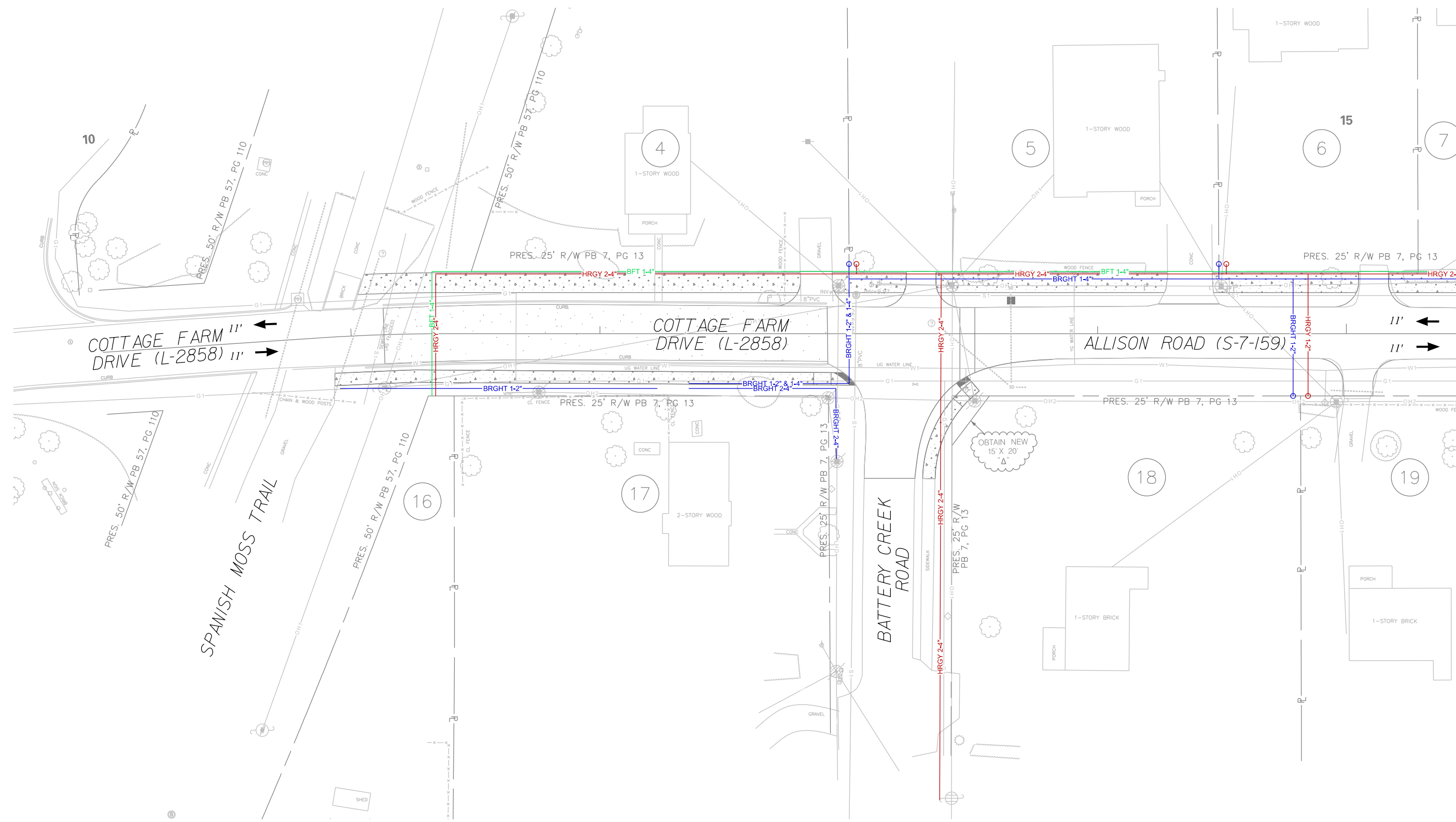
FOR INFORMATION ONLY

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| 1 | MBC | 10-24-23 | ADDING COMMUNICATION CONDUIT TO ELECTRICAL / COMMUNICATION SERVICE CONVERSIONS. |

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

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| BEAUFORT COUNTY CITY OF BEAUFORT |
| ALLISON ROAD (S-7-159) DESC SCHEMATIC |
| SHEET DB-B |
| SCALE: NTS |

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

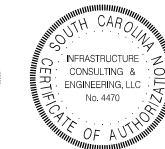


MATCHLINE STA. 15 + 50 SEE SHEET DB-SCH-2

NOTE:
ALL SERVICE TURNOUTS TO
INCLUDE BRIGHTSPED AND
HARGRAY

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10/12/2023

JE INFRASTRUCTURE
CONSULTING & ENGINEERING



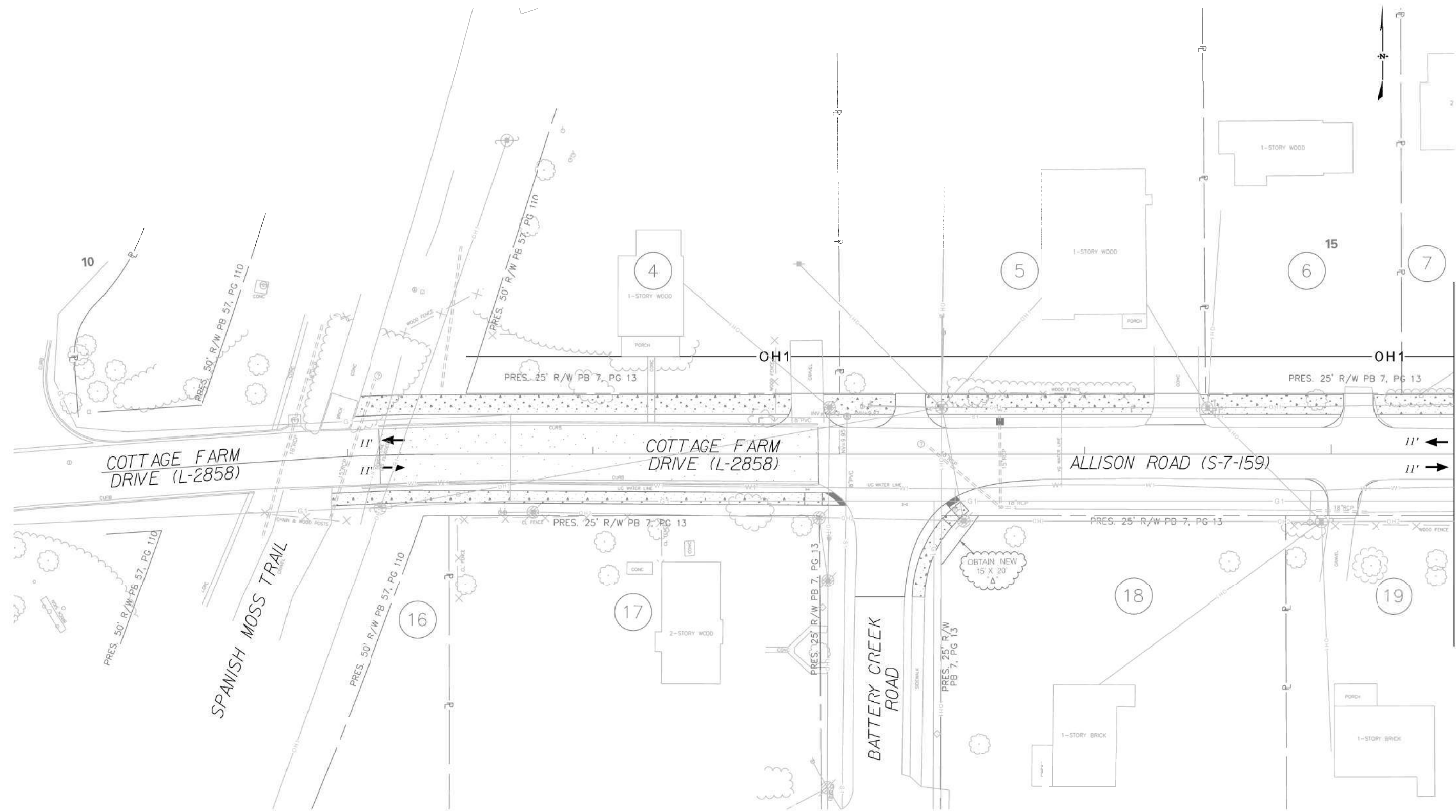
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BEAUFORT COUNTY
CITY OF BEAUFORT

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

SHEET DB-SCH-1 SCALE: 1" = 20'

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| 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

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5/5/2023

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CONSULTING & ENGINEERING



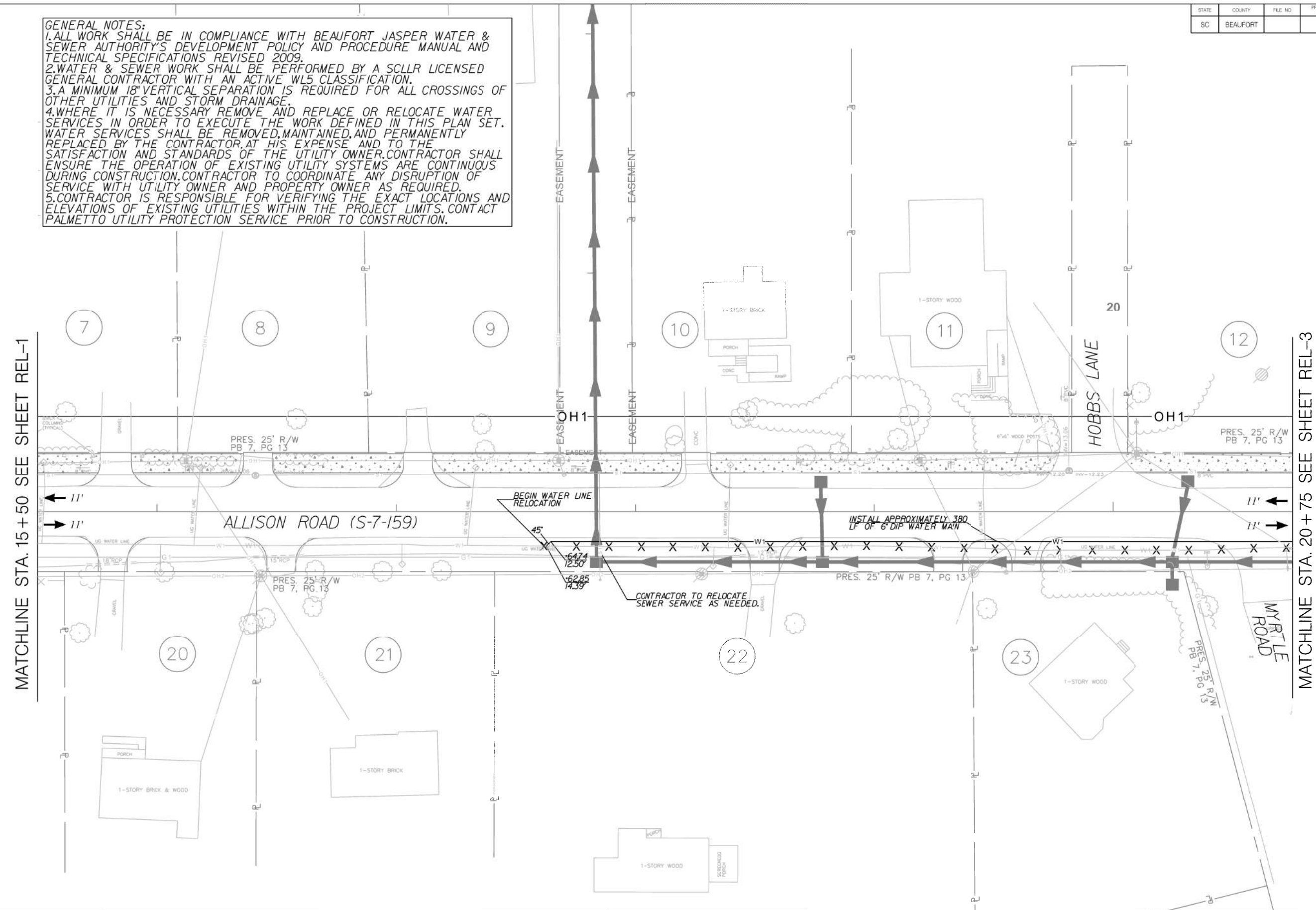
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| BEAUFORT COUNTY CITY OF BEAUFORT | |
| ALLISON ROAD (S-7-159) RELOCATION PLAN | |
| SHEET REL-1 | SCALE: 1" = 20' |

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| 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



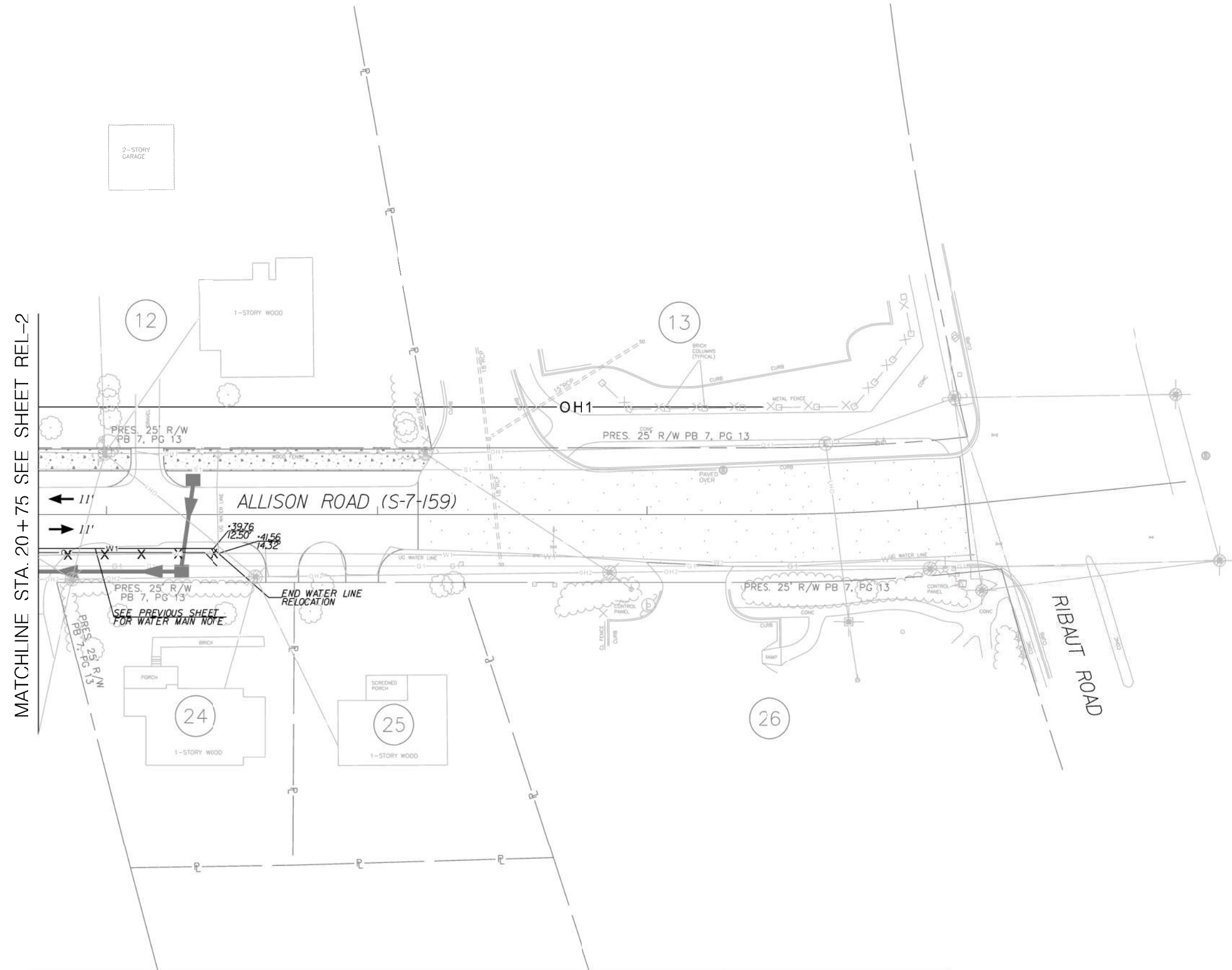
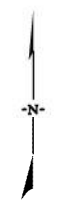
South Carolina Professional Engineer
 No. 32916
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BEAUFORT COUNTY
 CITY OF BEAUFORT
 ALLISON ROAD (S-7-159)
 RELOCATION PLAN
 SHEET REL-2
 SCALE: 1" = 20'

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 9/6/2023

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



MATCHLINE STA. 20+75 SEE SHEET REL-2

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9/6/2023

JE INFRASTRUCTURE
CONSULTING & ENGINEERING

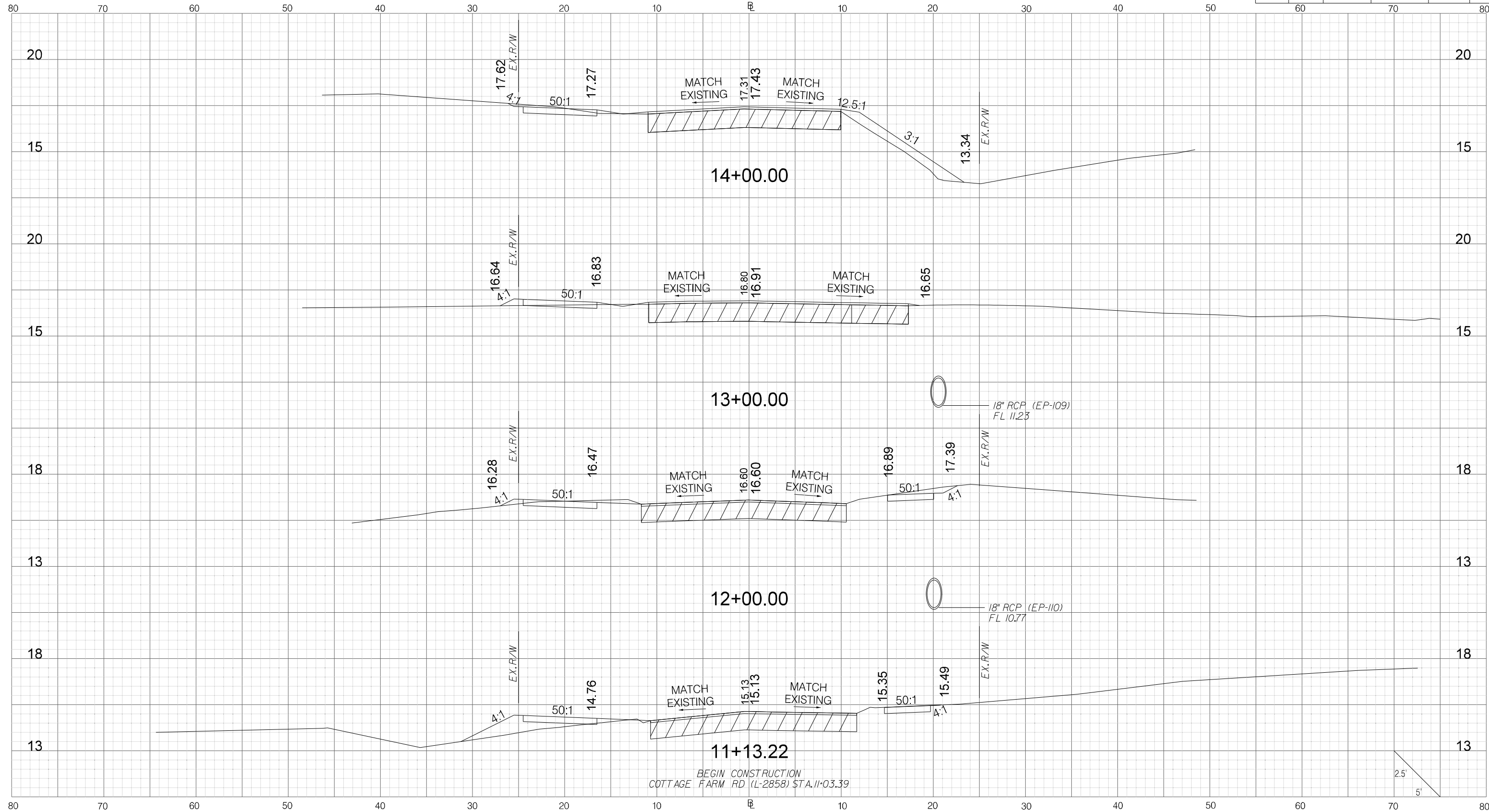
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BEAUFORT COUNTY
CITY OF BEAUFORT

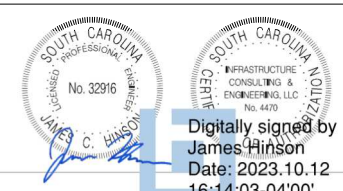
ALLISON ROAD (S-7-159)
RELOCATION PLAN

SHEET REL-3 SCALE: 1" = 20'



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

25'
5'

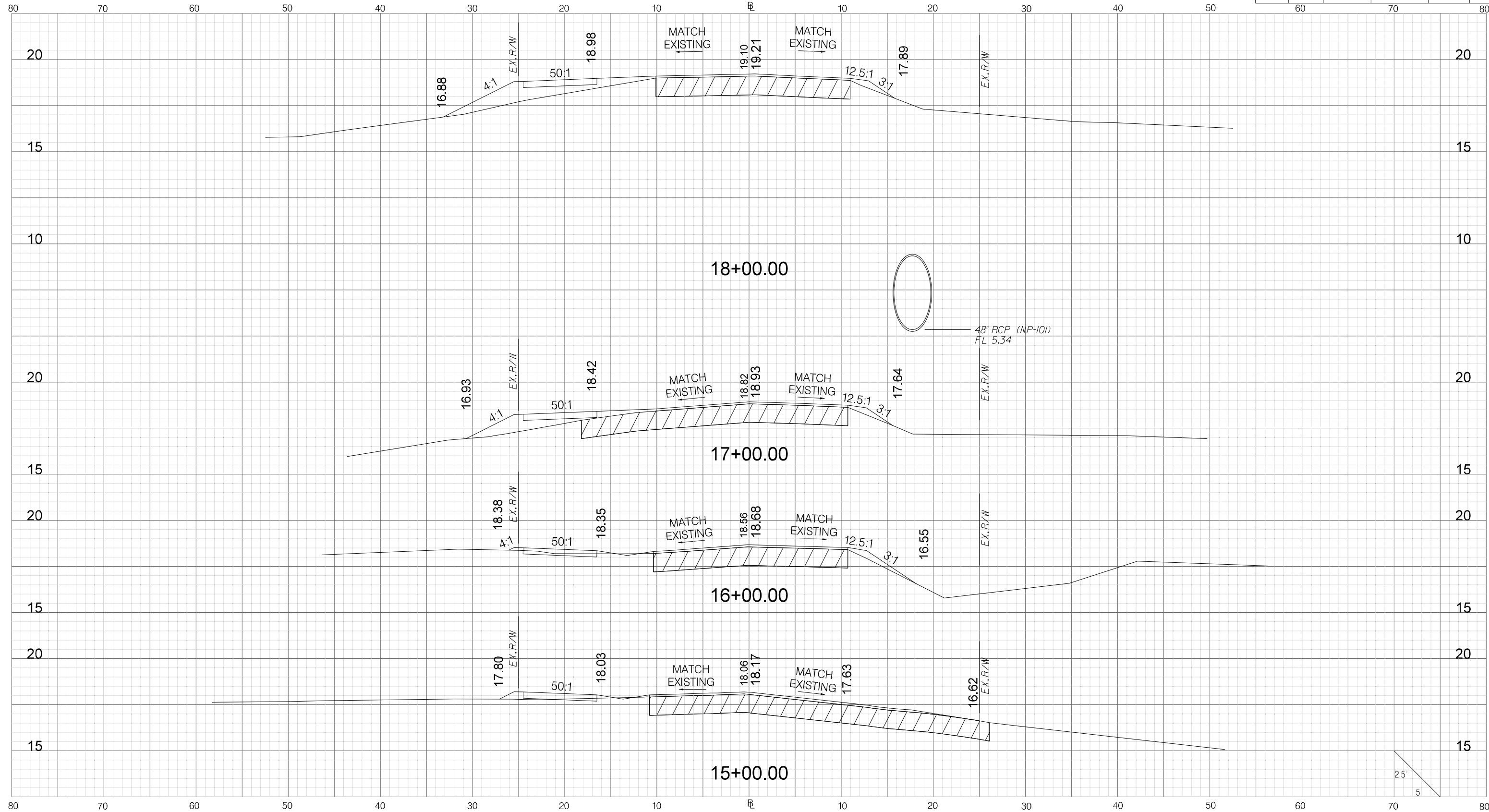


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James Hinson
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CITY OF BEAUFORT
ALLISON ROAD (S-7-159)
CROSS SECTION SHEET

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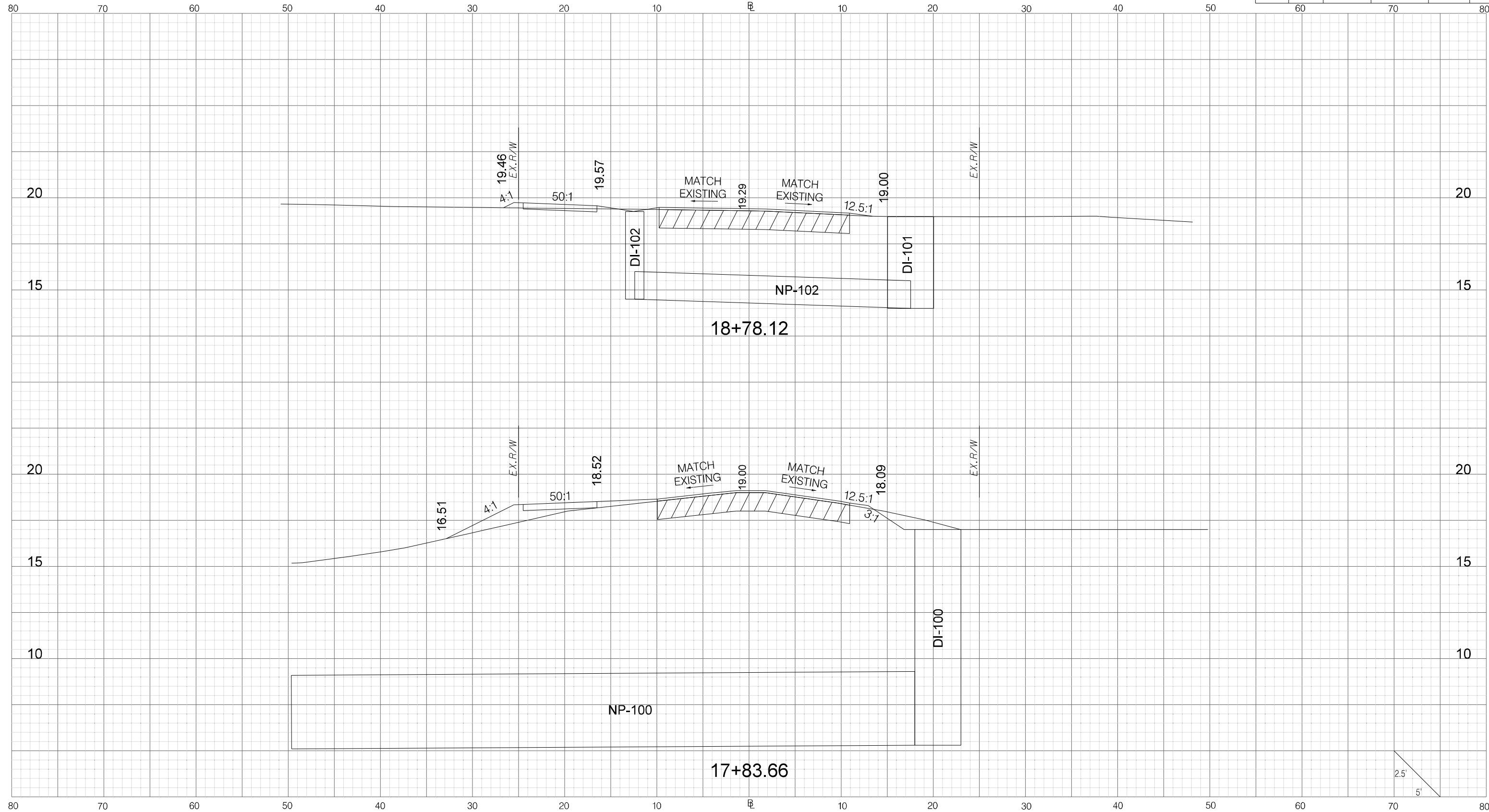
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CITY OF BEAUFORT
 ALLISON ROAD (S-7-159)
 CROSS SECTION SHEET



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| FED. RD. DIST. NO. | STATE | COUNTY | PROJECT ID | ROAD / ROUTE NO. | SHEET NO. |
| | SC | BEAUFORT | | S-7-159 | XP1 |



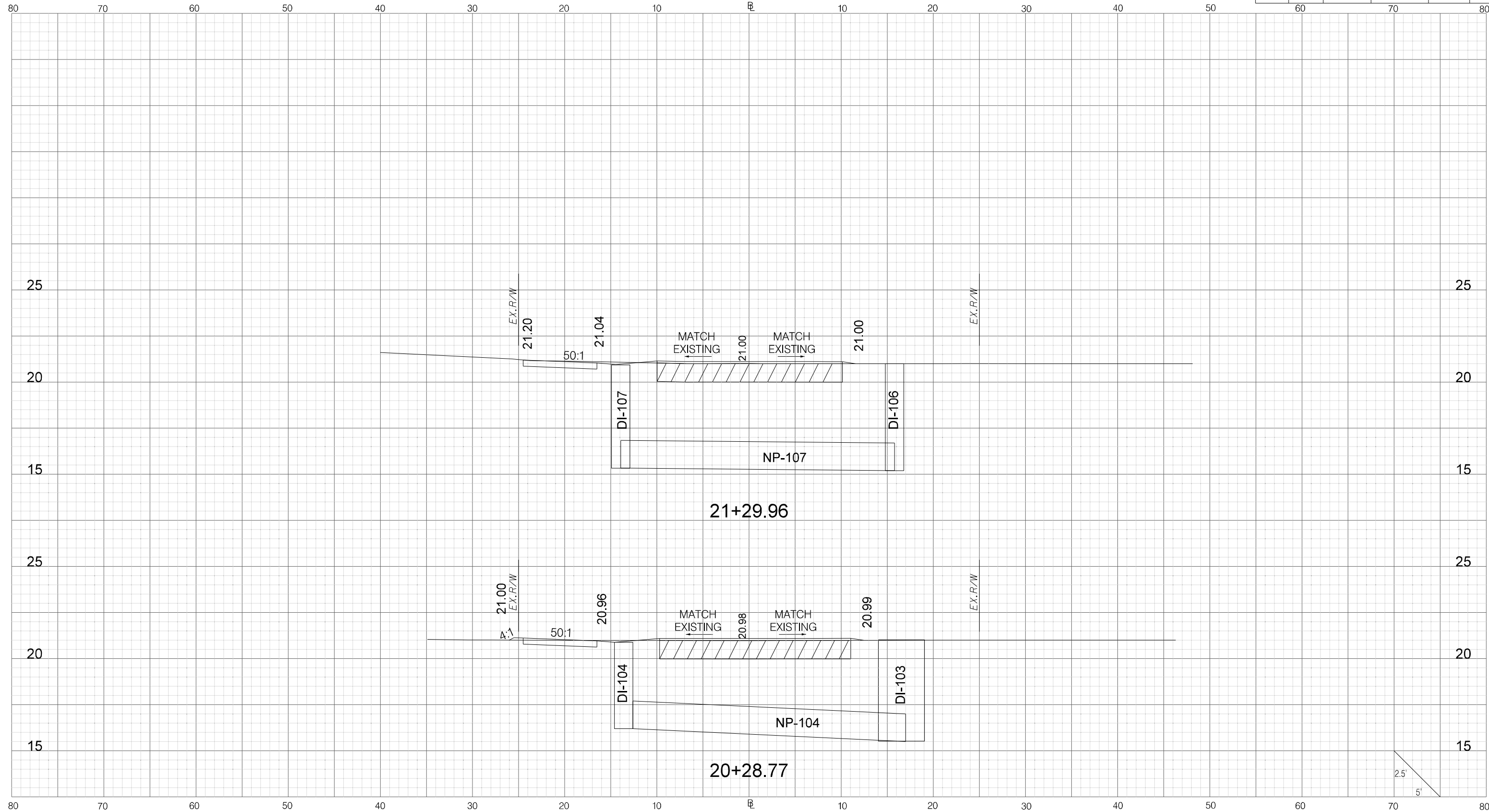
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CITY OF BEAUFORT
 ALLISON ROAD (S-7-159)
 CROSS SECTION SHEET



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



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