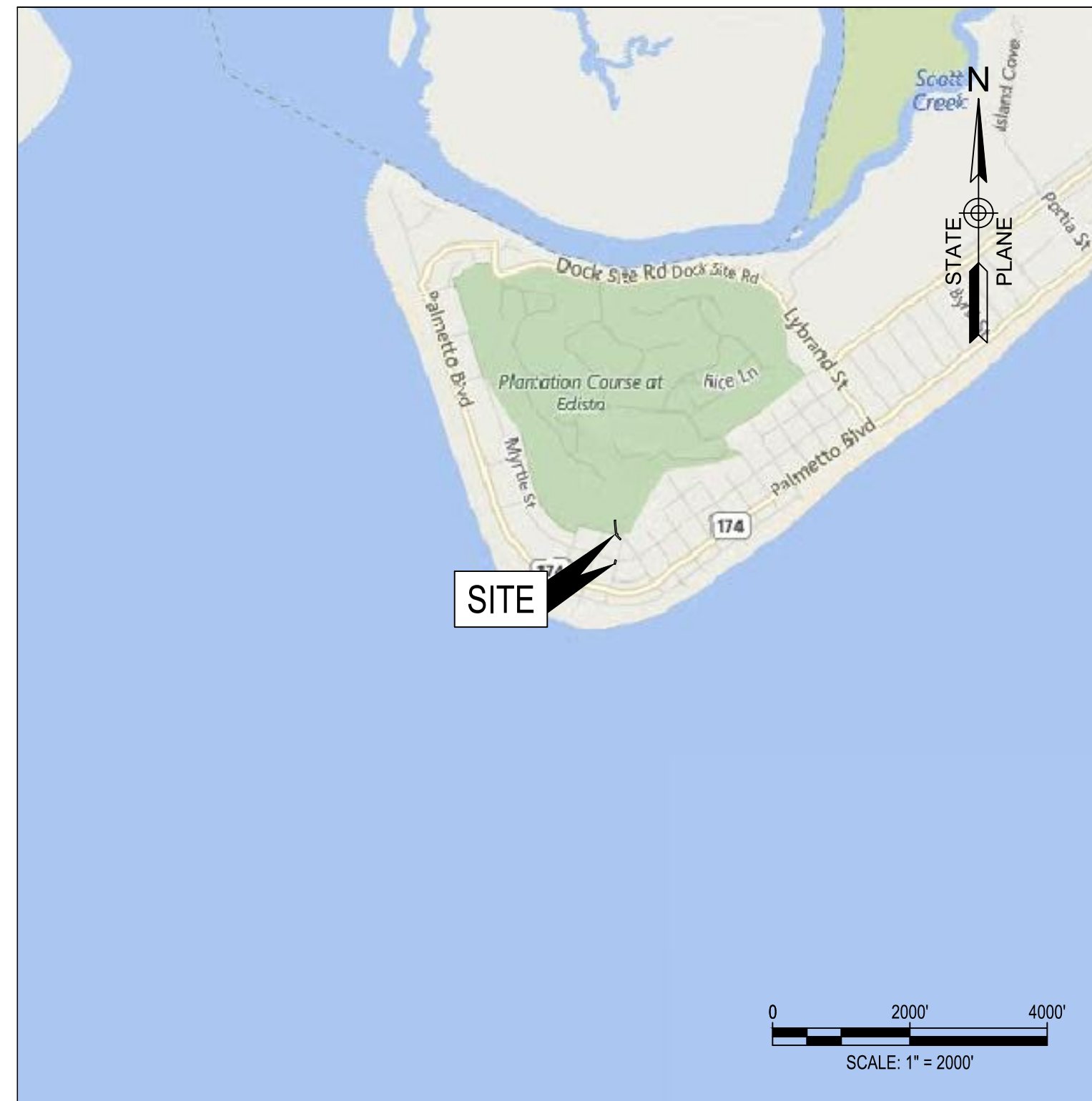


# ARC/BILLOW STREET DRAINAGE IMPROVEMENTS

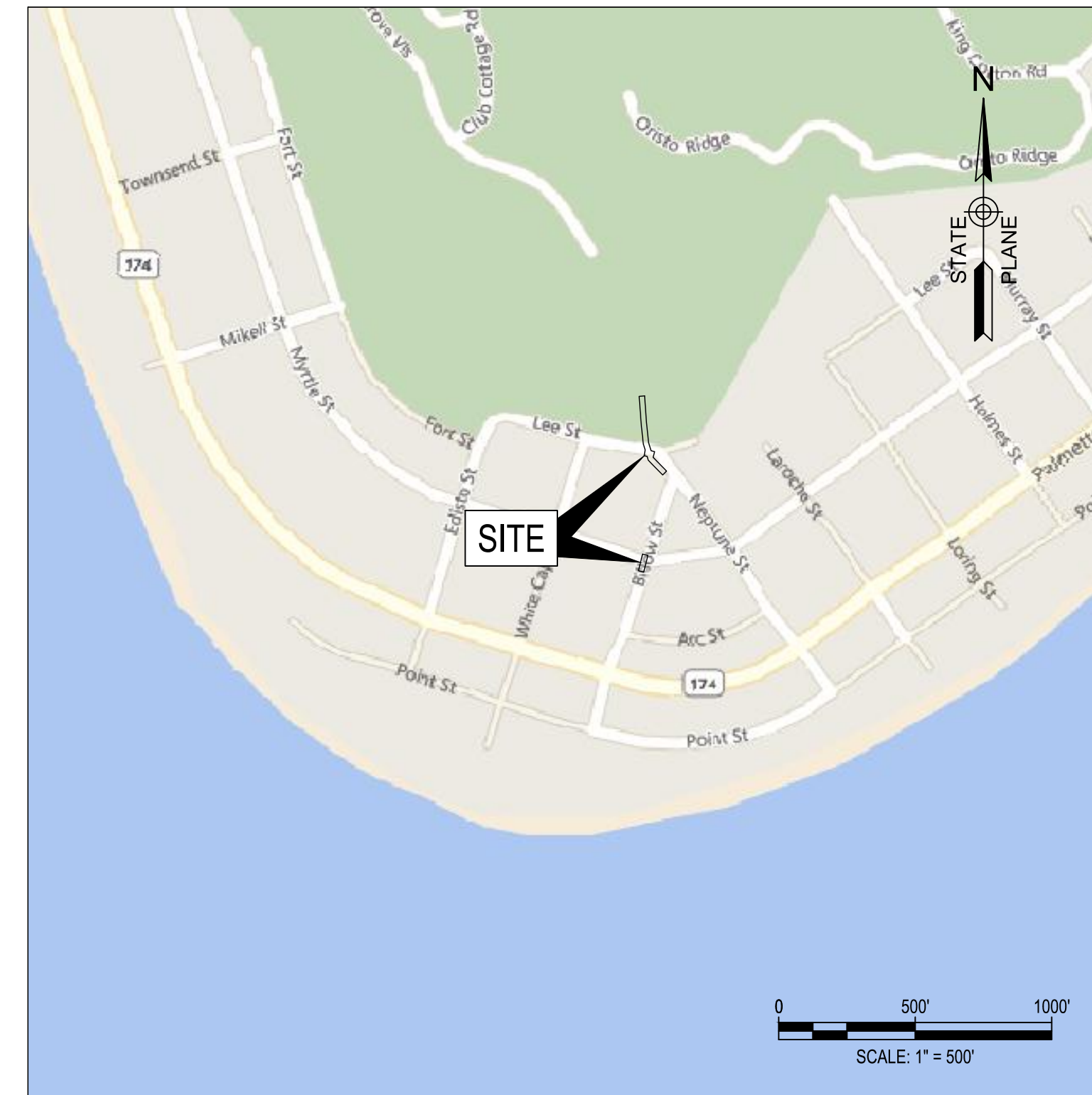
TOWN OF EDISTO BEACH  
EDISTO ISLAND, SC

## PROJECT SUMMARY

**CITY PROJECT NAME:** ARC/BILLOW STREET DRAINAGE IMPROVEMENTS  
**PROJECT ADDRESS:** EDISTO ISLAND, SC  
**PROJECT DESCRIPTION:** THE TOWN OF EDISTO BEACH PLANS TO REPLACE THE EXISTING STORM DRAINAGE SYSTEM CROSSING MYRTLE STREET AND LEE STREET WITH A LARGER CAPACITY SYSTEM. THIS WILL BE DONE IN AN EFFORT TO IMPROVE DRAINAGE CONDITIONS IN THE AREA AND MITIGATE FLOODING THAT IS CURRENTLY BEING EXPERIENCED.  
**TAX MAP PARCEL INFORMATION:**  
 TMS# 354-12-00-210, 354-12-00-209, 354-12-00-129  
**SITE ACREAGE:**  
 TOTAL ACRES: 0.2 AC.  
 LIMITS OF CONSTRUCTION: 0.2 AC.  
 SCDOT: 0.1 AC.  
**PERMIT SUMMARY:** PERMIT #/FILE #:  
 CITY PROJECT ID: XXX  
 NPDES: PN# NPDES SCR10, FILE#  
 CZC: XXX  
 SCDOT ENCROACHMENT - ROAD: XXX  
 SCDOT ENCROACHMENT - UTILITY: XXX



LOCATION MAP



VICINITY MAP

## SHEET INDEX

PAGE NUMBER	SHEET NUMBER	SHEET TITLE
<b>GENERAL SHEETS</b>		
1	C000	COVER
2	C001	GENERAL NOTES
<b>EXISTING CONDITIONS</b>		
3	C010	EXISTING CONDITIONS
4	C011	EXISTING CONDITIONS
<b>DEMOLITION PLANS</b>		
5	C100	DEMOLITION PLAN
6	C101	DEMOLITION PLAN
<b>GRADING AND DRAINAGE PLANS</b>		
7	C310	DRAINAGE PLAN & PROFILE
8	C311	DRAINAGE PLAN & PROFILE
<b>EROSION CONTROL PLANS</b>		
9	C510	EROSION CONTROL PLAN
10	C511	EROSION CONTROL PLAN
<b>DETAILS</b>		
11	C820	DETAILS

## PROJECT CONTACTS

OWNER	ENGINEER	SURVEYOR
TOWN OF EDISTO BEACH	DAVIS & FLOYD, INC.	DAVIS & FLOYD, INC.
IRIS HILL	RYNE PHILLIPS, PE	KEVIN THEWES
2414 MURRAY ST EDISTO BEACH, SC 29438 843-869-2505	3229 WEST MONTAGUE AVE NORTH CHARLESTON, SC 29414 843-554-8602	3229 WEST MONTAGUE AVE NORTH CHARLESTON, SC 29414 843-554-8602

## EXISTING UTILITY NOTE

EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDIVIDUALLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES

## ADA NOTES

- ALL PUBLIC RIGHT-OF-WAYS AND ALL AMENITIES WILL BE ADA COMPLIANT.
- PUBLIC RIGHT-OF-WAYS MUST REMAIN ADA COMPLIANT THROUGHOUT CONSTRUCTION OR AN ALTERNATIVE ROUTE MUST BE PROVIDED.

## UTILITY AND PERMITTING/OTHER CONTACTS

	AGENCY/UTILITY	CONTACT	PHONE
WATER UTILITY	TOWN OF EDISTO BEACH	PATRICK ZEMP	843-869-2505
SEWER UTILITY	TOWN OF EDISTO BEACH	PATRICK ZEMP	843-869-2505
ELECTRIC UTILITY			
TELECOMMUNICATIONS	AT&T		

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**DAVIS & FLOYD**  
SINCE 1954

WWW.DAVISANDFLOYD.COM  
3229 WEST MONTAGUE AVENUE  
NORTH CHARLESTON, SC 29418  
(843) 554-8602

TOWN OF EDISTO BEACH  
EDISTO ISLAND, SC

ARC/BILLOW STREET DRAINAGE IMPROVEMENTS

COVER

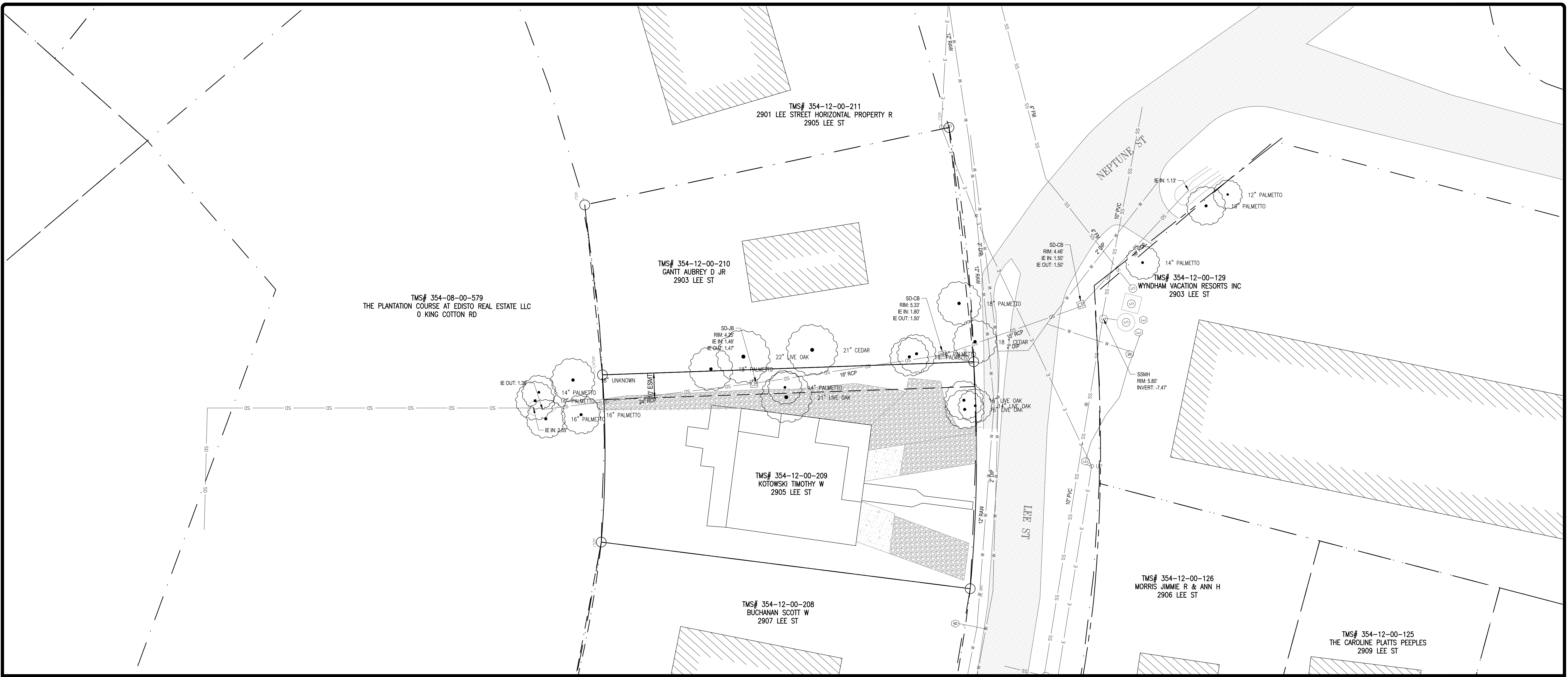
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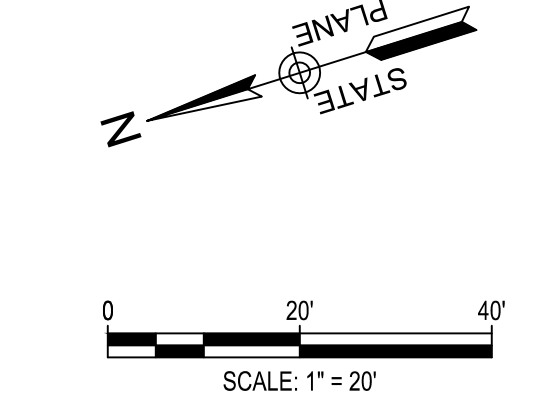
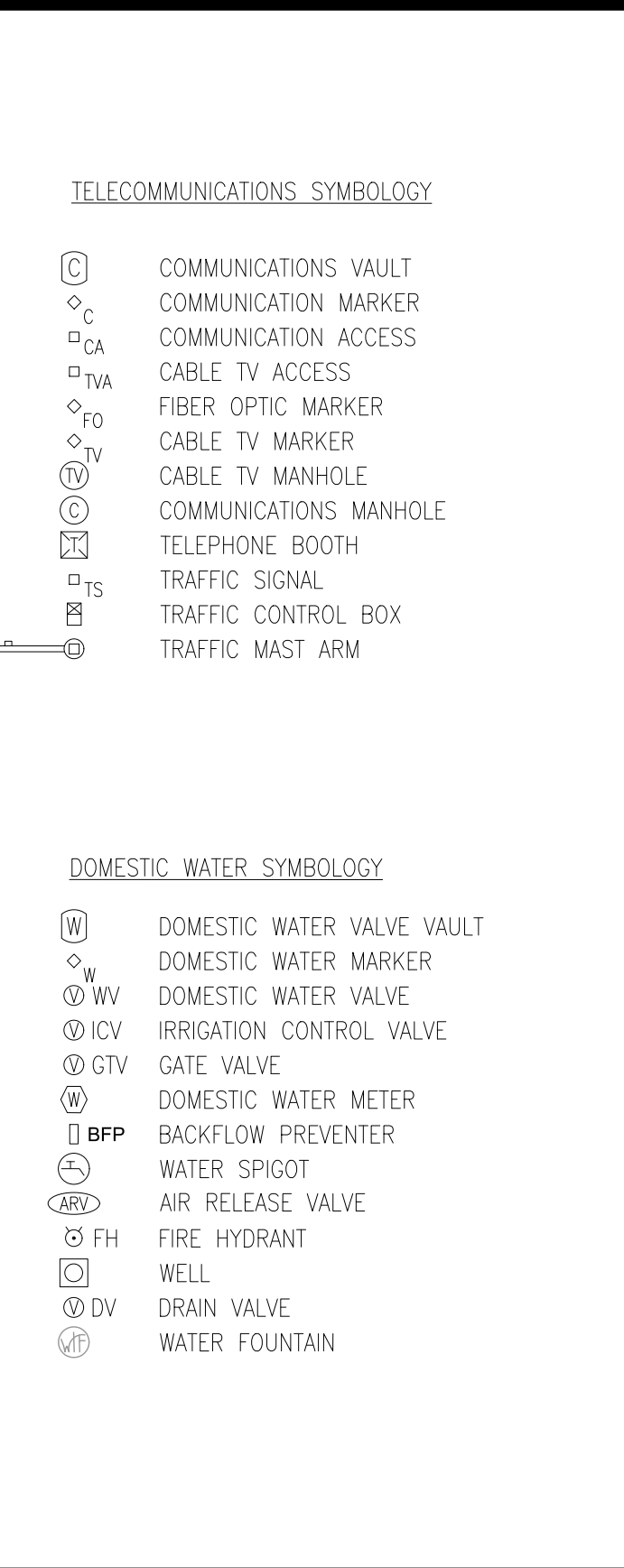
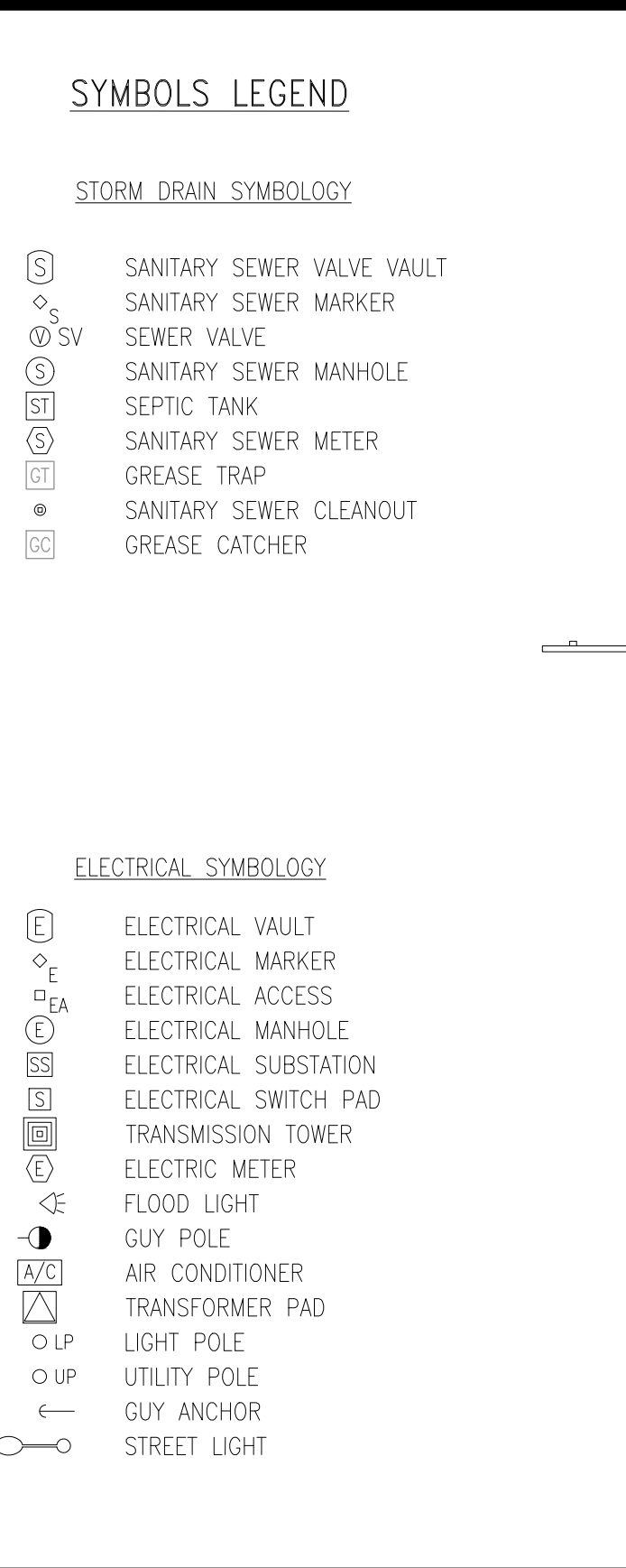
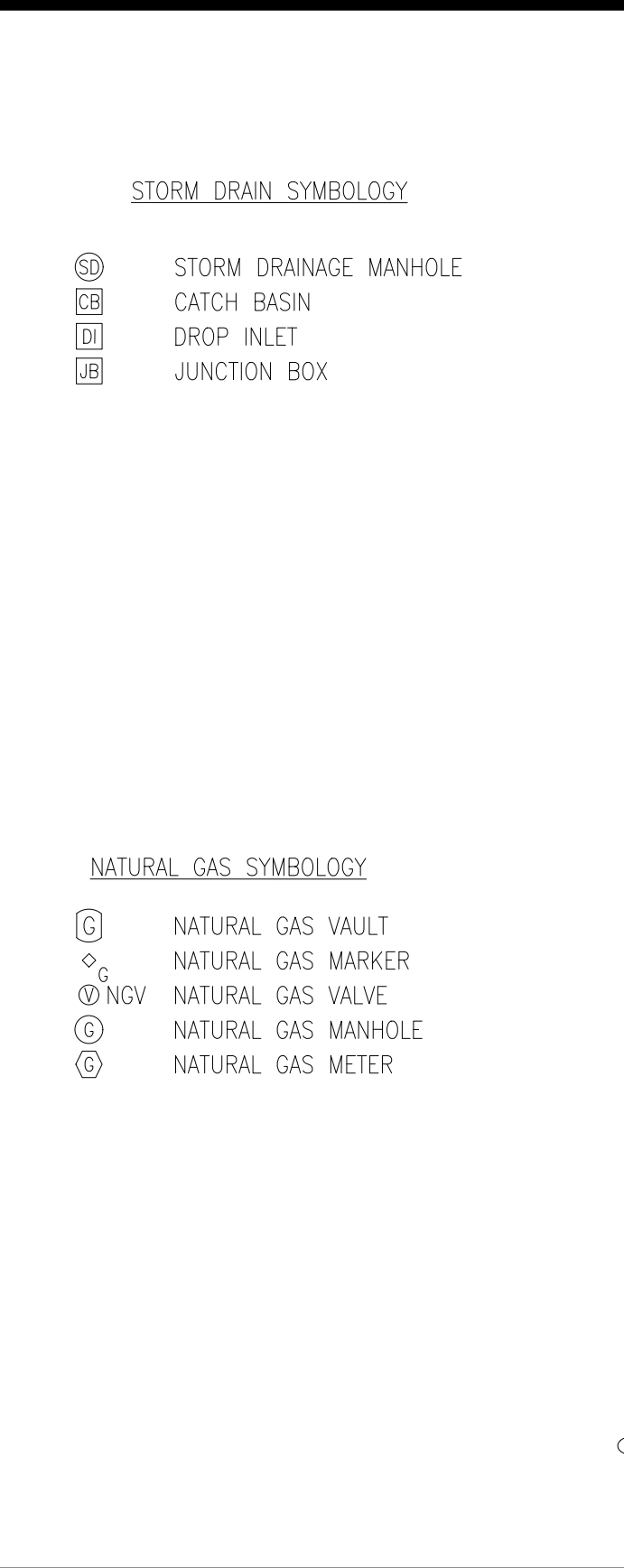
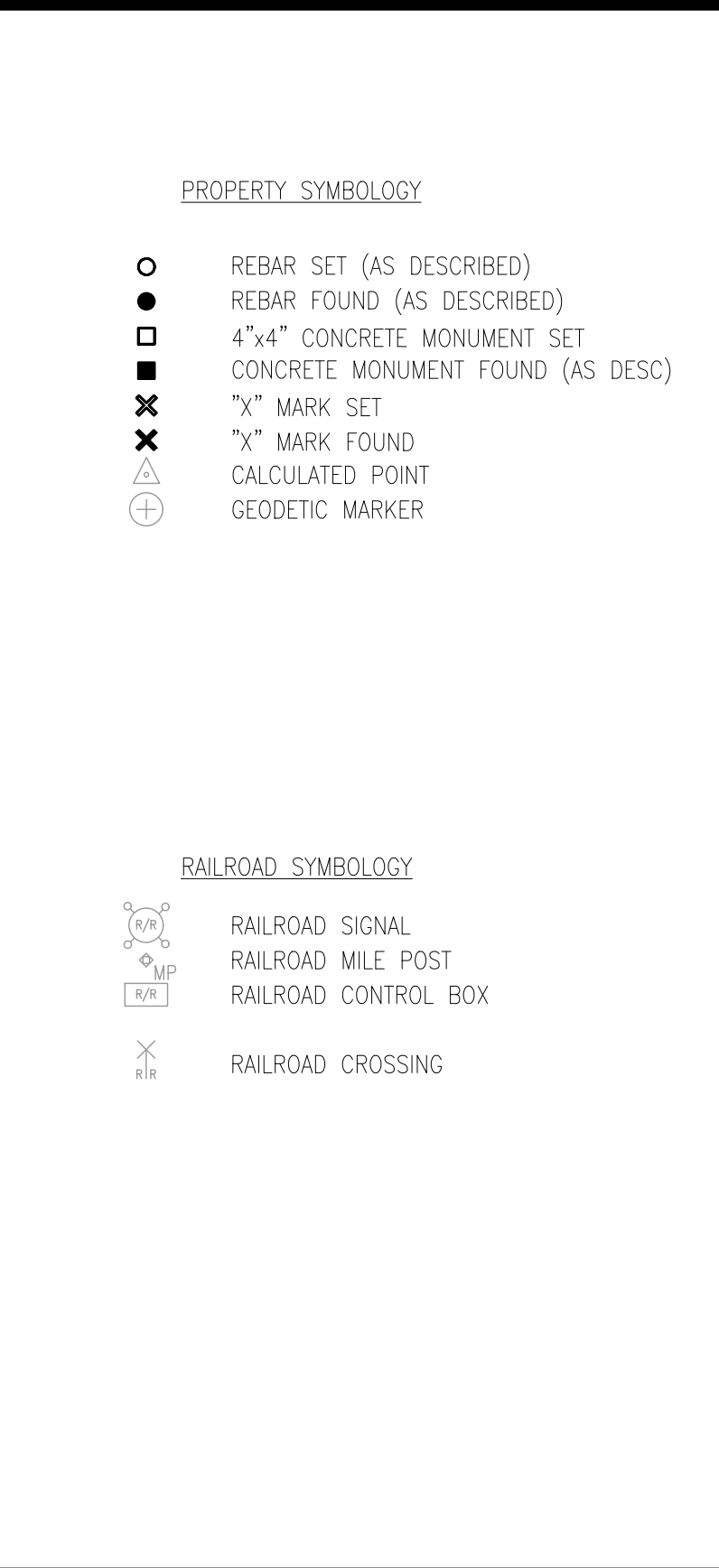
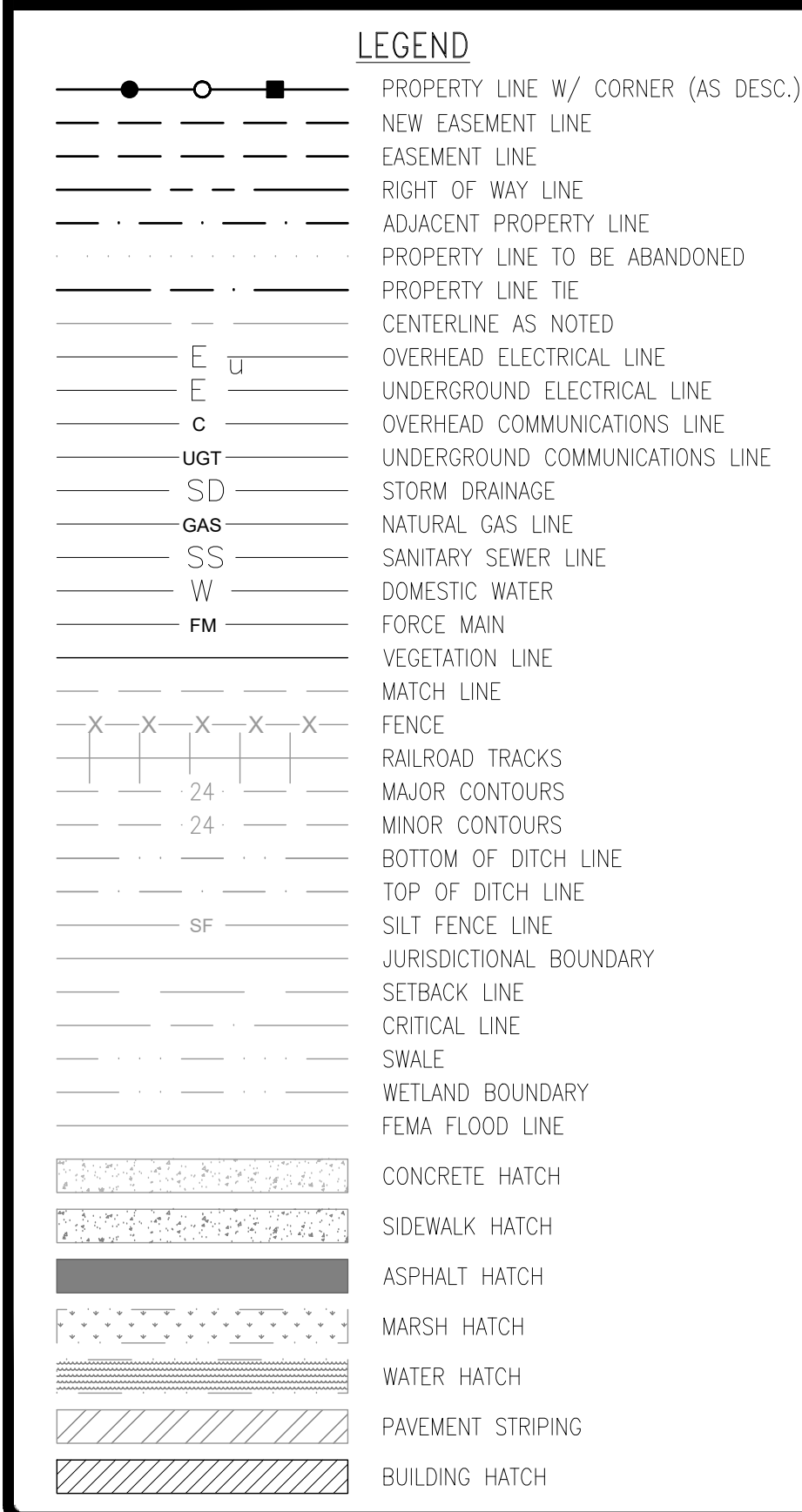
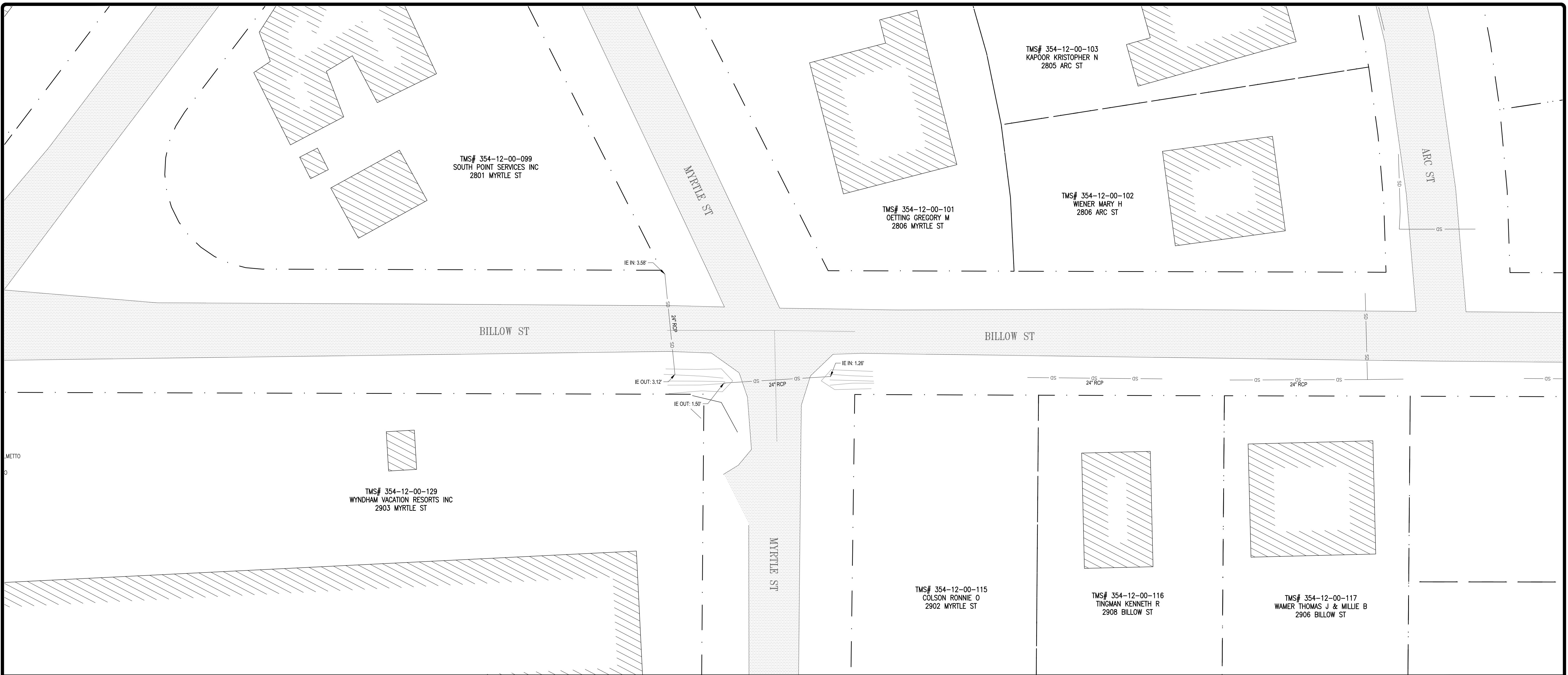
<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>—●—○—■— PROPERTY LINE W/ CORNER (AS DESC.)</li> <li>- - - - - NEW EASEMENT LINE</li> <li>- - - - - EASEMENT LINE</li> <li>- - - - - RIGHT OF WAY LINE</li> <li>- - - - - ADJACENT PROPERTY LINE</li> <li>- - - - - PROPERTY LINE TO BE ABANDONED</li> <li>- - - - - PROPERTY LINE TIE</li> <li>- - - - - CENTERLINE AS NOTED</li> <li>- - - - - OVERHEAD ELECTRICAL LINE</li> <li>- - - - - UNDERGROUND ELECTRICAL LINE</li> <li>- - - - - OVERHEAD COMMUNICATIONS LINE</li> <li>- - - - - UNDERGROUND COMMUNICATIONS LINE</li> <li>- - - - - STORM DRAINAGE</li> <li>- - - - - NATURAL GAS LINE</li> <li>- - - - - SANITARY SEWER LINE</li> <li>- - - - - DOMESTIC WATER</li> <li>- - - - - FORCE MAIN</li> <li>- - - - - VEGETATION LINE</li> <li>- - - - - MATCH LINE</li> <li>- X - X - X - FENCE</li> <li>- - - - - RAILROAD TRACKS</li> <li>- - - - - MAJOR CONTOURS</li> <li>- - - - - MINOR CONTOURS</li> <li>- - - - - BOTTOM OF DITCH LINE</li> <li>- - - - - TOP OF DITCH LINE</li> <li>- - - - - JURISDICTIONAL BOUNDARY</li> <li>- - - - - SETBACK LINE</li> <li>- - - - - CRITICAL LINE</li> <li>- - - - - SWALE</li> <li>- - - - - WETLAND BOUNDARY</li> <li>- - - - - FEMA FLOOD LINE</li> <li>CONCRETE HATCH</li> <li>SIDEWALK HATCH</li> <li>ASPHALT HATCH</li> <li>MARSH HATCH</li> <li>WATER HATCH</li> <li>PAVEMENT STRIPING</li> <li>BUILDING HATCH</li> </ul>	<p><b>PROPERTY SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>○ REBAR SET (AS DESCRIBED)</li> <li>● REBAR FOUND (AS DESCRIBED)</li> <li>■ 4"x4" CONCRETE MONUMENT SET</li> <li>□ CONCRETE MONUMENT FOUND (AS DESC)</li> <li>✕ "X" MARK SET</li> <li>✕ "X" MARK FOUND</li> <li>△ CALCULATED POINT</li> <li>⊕ GEODETIC MARKER</li> </ul> <p><b>RAILROAD SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊠ RAILROAD SIGNAL</li> <li>⊠ RAILROAD MILE POST</li> <li>⊠ RAILROAD CONTROL BOX</li> <li>⊠ RAILROAD CROSSING</li> </ul>	<p><b>STORM DRAIN SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊙ STORM DRAINAGE MANHOLE</li> <li>⊙ CATCH BASIN</li> <li>⊙ DROP INLET</li> <li>⊙ JUNCTION BOX</li> </ul> <p><b>NATURAL GAS SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊙ NATURAL GAS VAULT</li> <li>⊙ NATURAL GAS MARKER</li> <li>⊙ NGV NATURAL GAS VALVE</li> <li>⊙ NATURAL GAS MANHOLE</li> <li>⊙ NATURAL GAS METER</li> </ul>	<p><b>SYMBOLS LEGEND</b></p> <p><b>STORM DRAIN SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊙ SANITARY SEWER VALVE VAULT</li> <li>⊙ SANITARY SEWER MARKER</li> <li>⊙ SV SEWER VALVE</li> <li>⊙ SANITARY SEWER MANHOLE</li> <li>⊙ ST SEPTIC TANK</li> <li>⊙ SANITARY SEWER METER</li> <li>⊙ GT GREASE TRAP</li> <li>⊙ SANITARY SEWER CLEANOUT</li> <li>⊙ GC GREASE CATCHER</li> </ul> <p><b>ELECTRICAL SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊙ ELECTRICAL VAULT</li> <li>⊙ ELECTRICAL MARKER</li> <li>⊙ EA ELECTRICAL ACCESS</li> <li>⊙ EM ELECTRICAL MANHOLE</li> <li>⊙ ES ELECTRICAL SUBSTATION</li> <li>⊙ ESIP ELECTRICAL SWITCH PAD</li> <li>⊙ TT TRANSMISSION TOWER</li> <li>⊙ EMETER ELECTRIC METER</li> <li>⊙ FL FLOOD LIGHT</li> <li>⊙ GP GUY POLE</li> <li>⊙ AC AIR CONDITIONER</li> <li>⊙ TP TRANSFORMER PAD</li> <li>⊙ LP LIGHT POLE</li> <li>⊙ UP UTILITY POLE</li> <li>⊙ GA GUY ANCHOR</li> <li>⊙ SL STREET LIGHT</li> </ul>	<p><b>TELECOMMUNICATIONS SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊙ COMMUNICATIONS VAULT</li> <li>⊙ CM COMMUNICATION MARKER</li> <li>⊙ CA COMMUNICATION ACCESS</li> <li>⊙ TWA CABLE TV ACCESS</li> <li>⊙ FM FIBER OPTIC MARKER</li> <li>⊙ CVM CABLE TV MARKER</li> <li>⊙ CVMH CABLE TV MANHOLE</li> <li>⊙ CMH COMMUNICATIONS MANHOLE</li> <li>⊙ TB TELEPHONE BOOTH</li> <li>⊙ TS TRAFFIC SIGNAL</li> <li>⊙ TCB TRAFFIC CONTROL BOX</li> <li>⊙ TMA TRAFFIC MAST ARM</li> </ul> <p><b>DOMESTIC WATER SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊙ DWV DOMESTIC WATER VALVE VAULT</li> <li>⊙ DWM DOMESTIC WATER MARKER</li> <li>⊙ DWV DOMESTIC WATER VALVE</li> <li>⊙ ICV IRRIGATION CONTROL VALVE</li> <li>⊙ GTV GATE VALVE</li> <li>⊙ DWM DOMESTIC WATER METER</li> <li>⊙ BFP BACKFLOW PREVENTER</li> <li>⊙ WSP WATER SPIGOT</li> <li>⊙ ARV AIR RELEASE VALVE</li> <li>⊙ FH FIRE HYDRANT</li> <li>⊙ W WELL</li> <li>⊙ DV DRAIN VALVE</li> <li>⊙ WF WATER FOUNTAIN</li> </ul>	<p><b>SITE AND MISCELLANEOUS SYMBOLLOGY</b></p> <ul style="list-style-type: none"> <li>⊙ GAS GAS PUMP ISLAND</li> <li>⊙ UMH UNKNOWN MANHOLE</li> <li>⊙ T (AS DESCRIBED) TREE (AS DESCRIBED)</li> <li>⊙ T (AS DESCRIBED) SHRUB (AS DESCRIBED)</li> <li>⊙ TANK HORIZONTAL, ABOVE GROUND TANK</li> <li>⊙ TANK HORIZONTAL, UNDERGROUND TANK</li> <li>⊙ TANK VERTICAL, ABOVE GROUND TANK</li> <li>⊙ BILLBOARD</li> <li>⊙ TP TRAVERSE POINT</li> <li>⊙ TP CORRECTED ELEVATION TRAVERSE POINT W/ CORRECTED ELEVATION</li> <li>⊙ TBM TEMPORARY BENCHMARK</li> <li>⊙ GP GUARD POST (BOLLARD)</li> <li>⊙ SBL SOIL BORING LOCATION</li> <li>⊙ WF WATER FOUNTAIN</li> <li>⊙ MB MAILBOX</li> <li>⊙ G GRAVE</li> <li>⊙ SD SATELLITE DISH</li> <li>⊙ MW MONITORING WELL</li> <li>⊙ CAM CAMERA</li> <li>⊙ FP FLAG POLE</li> <li>⊙ S SIGN</li> <li>⊙ C COLUMN</li> <li>⊙ FA FLOW ARROW</li> <li>⊙ SP SPRINKLER</li> <li>⊙ CL CENTERLINE</li> <li>⊙ HAP HAND AUGER POINT</li> <li>⊙ PM PARKING METER</li> <li>⊙ SM STEAM MANHOLE</li> </ul>
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**811**  
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**PROJECT DATUM INFORMATION:**  
 HORIZONTAL DATUM: SC83IF  
 VERTICAL DATUM: NAVD88

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<p><b>DAVIS &amp; FLOYD</b>              SINCE 1954              www.davisfloyd.com              3223 WEST MONTAGUE AVENUE              NORTH CHARLESTON, SC 29418              (843) 554-6802</p>	<p><b>TOWN OF EDISTO BEACH</b>              EDISTO ISLAND, SC              PROJECT TITLE  <b>ARC/BILLOW STREET DRAINAGE IMPROVEMENTS</b></p>
EXISTING CONDITIONS	
<p>DATE: 03/18/2021              TIME: 11:40:56 AM              DRAWN BY: CMW              CHECKED BY: CMW              APPROVED BY: [Signature]</p>	<p><b>C010</b>              PAGE 3 OF 11</p>

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OWNER  
**TOWN OF EDISTO BEACH**  
 EDISTO ISLAND, SC  
 PROJECT TITLE  
**ARC/BILLOW STREET DRAINAGE IMPROVEMENTS**

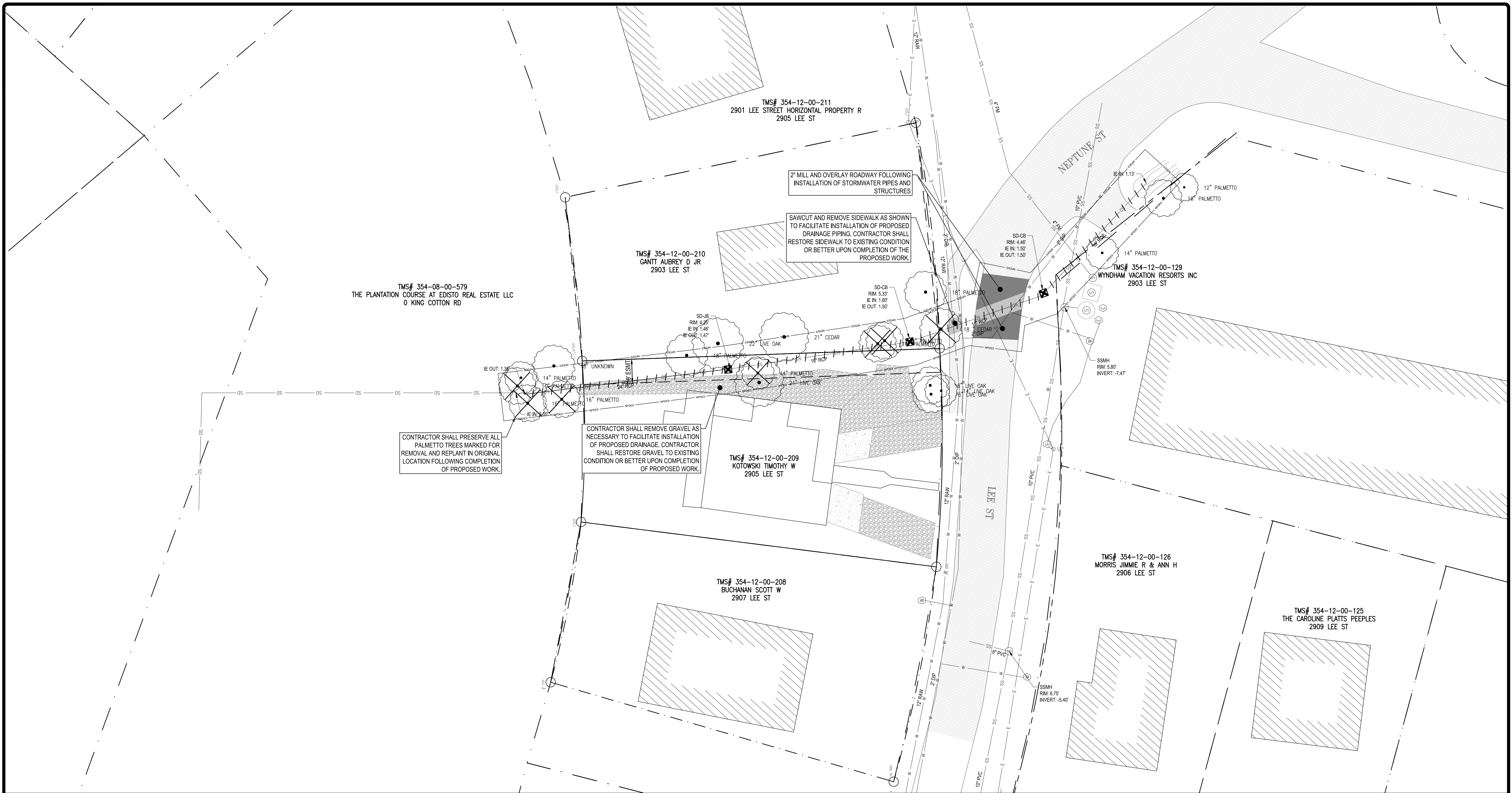
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NO.	DATE	DESCRIPTION	BY	CHECKED	APPROVED

DATE: 03/18/2021  
 DATE: JUNE 2021  
 DRAWN BY: CMM  
 CHECKED BY: CMM  
 APPROVED BY: CMM

PAGE 4 OF 11

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CONTRACTOR SHALL PRESERVE ALL PALMETTO TREES MARKED FOR REMOVAL AND REPLANT IN ORIGINAL LOCATION FOLLOWING COMPLETION OF PROPOSED WORK.

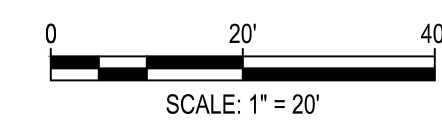
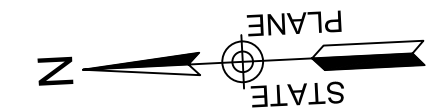
CONTRACTOR SHALL REMOVE GRAVEL AS NECESSARY TO FACILITATE INSTALLATION OF PROPOSED DRAINAGE. CONTRACTOR SHALL RESTORE GRAVEL TO EXISTING CONDITION OR BETTER UPON COMPLETION OF PROPOSED WORK.

2' MILL AND OVERLAY ROADWAY FOLLOWING INSTALLATION OF STORMWATER PIPES AND STRUCTURES

SAWCUT AND REMOVE SIDEWALK AS SHOWN TO FACILITATE INSTALLATION OF PROPOSED DRAINAGE PIPING. CONTRACTOR SHALL RESTORE SIDEWALK TO EXISTING CONDITION OR BETTER UPON COMPLETION OF THE PROPOSED WORK

**DEMOLITION LEGEND**

- LIMITS OF DISTURBANCE: - - - - -
- UNDERGROUND UTILITIES/MISC. TO BE REMOVED: / / / / /
- ASPHALT REMOVAL AND REPLACEMENT: [diagonal hatching]
- ASPHALT MILL AND OVERLAY: [cross-hatching]
- STORM STRUCTURE TO BE REMOVED: [X symbol]
- TREE/SHRUB TO BE REMOVED: [circled X symbol]



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VERTICAL DATUM: NAVD88

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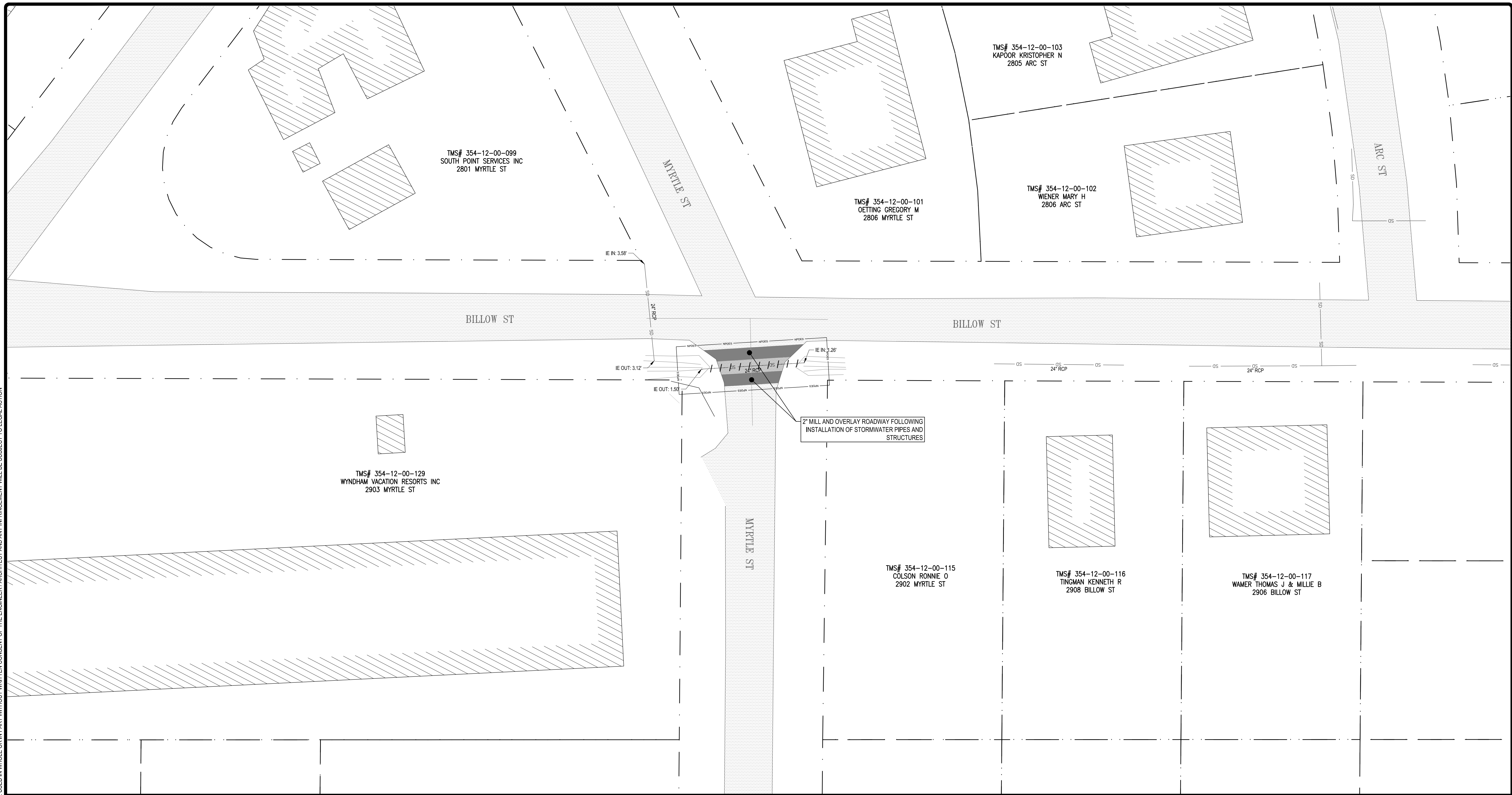
TOWN OF EDISTO BEACH  
EDISTO ISLAND, SC  
PROJECT TITLE  
ARC/BILLOW STREET DRAINAGE IMPROVEMENTS

DEMOLITION PLAN

NO.	DATE	DESCRIPTION	BY	CHECKED	DATE
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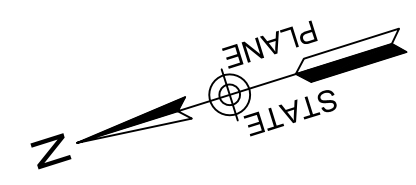
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DATE: JUNE 2021  
DRAWN BY: CMM  
CHECKED BY: CMM  
APPROVED BY: CMM  
PAGE 5 OF 11  
**C100**

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**DEMOLITION LEGEND**

- LIMITS OF DISTURBANCE ———
- UNDERGROUND UTILITIES/MISC. TO BE REMOVED - - - - -
- ASPHALT REMOVAL AND REPLACEMENT ASPHALT MILL AND OVERLAY
- STORM STRUCTURE TO BE REMOVED



PROJECT DATUM INFORMATION:  
 HORIZONTAL DATUM: SC83IF  
 VERTICAL DATUM: NAVD88

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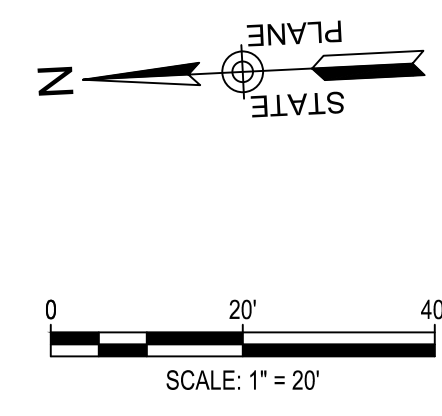
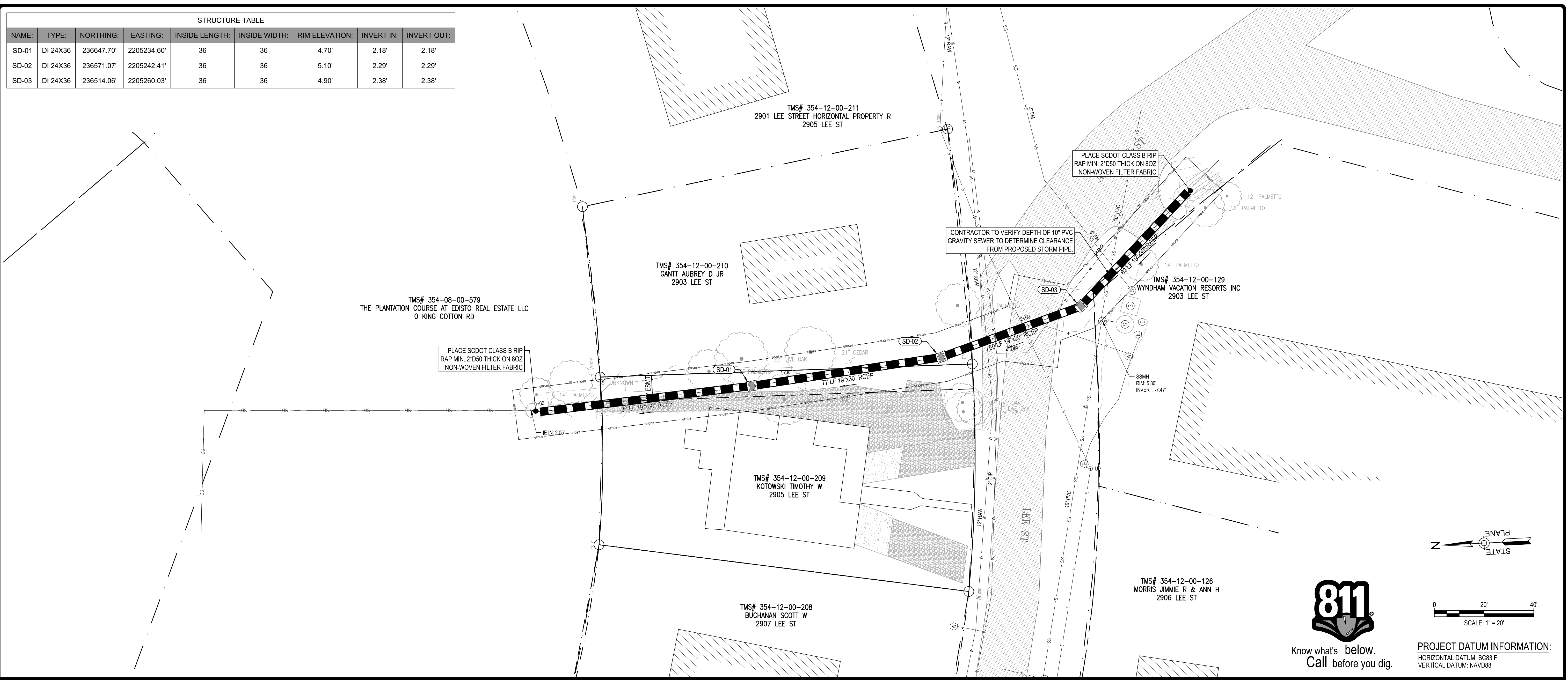
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**TOWN OF EDISTO BEACH**  
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 PROJECT TITLE  
**ARC/BILLOW STREET DRAINAGE IMPROVEMENTS**

DRAWING TITLE  
**DEMOLITION PLAN**

NO.	RELEASED	DATE	BY

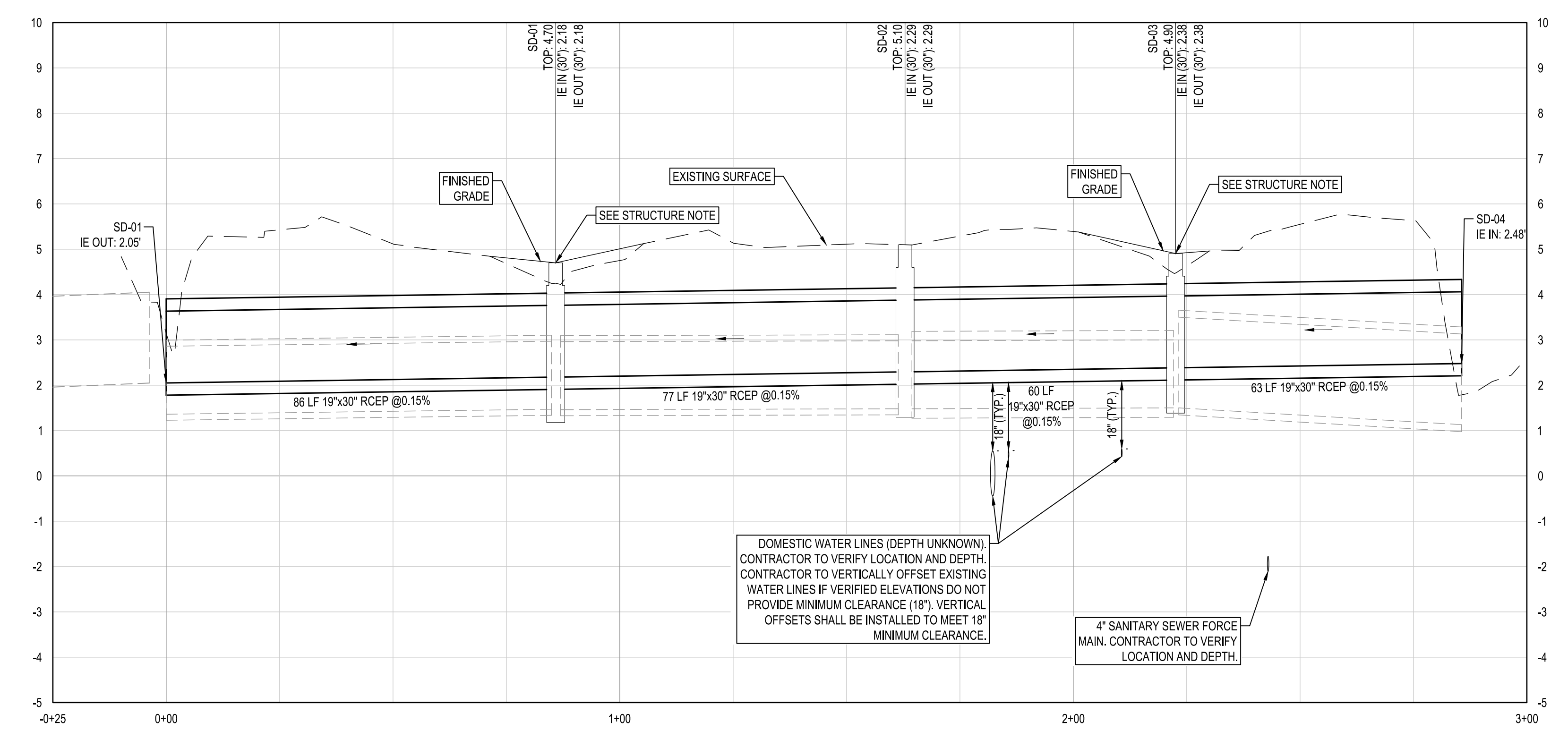
STRUCTURE TABLE								
NAME:	TYPE:	NORTHING:	EASTING:	INSIDE LENGTH:	INSIDE WIDTH:	RIM ELEVATION:	INVERT IN:	INVERT OUT:
SD-01	DJ 24X36	236647.70'	2205234.60'	36	36	4.70'	2.18'	2.18'
SD-02	DJ 24X36	236571.07'	2205242.41'	36	36	5.10'	2.29'	2.29'
SD-03	DJ 24X36	236514.06'	2205260.03'	36	36	4.90'	2.38'	2.38'



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VERTICAL DATUM: NAVD88

NOTES:  
1. CONTRACTOR TO VERIFY THAT PROPOSED STRUCTURE CAN MAINTAIN POSITIVE DRAINAGE UPON INSTALLATION. IF NOT, CONTRACTOR SHALL SEEK APPROVED ALTERNATIVE TOP SLAB DESIGN THICKNESS.



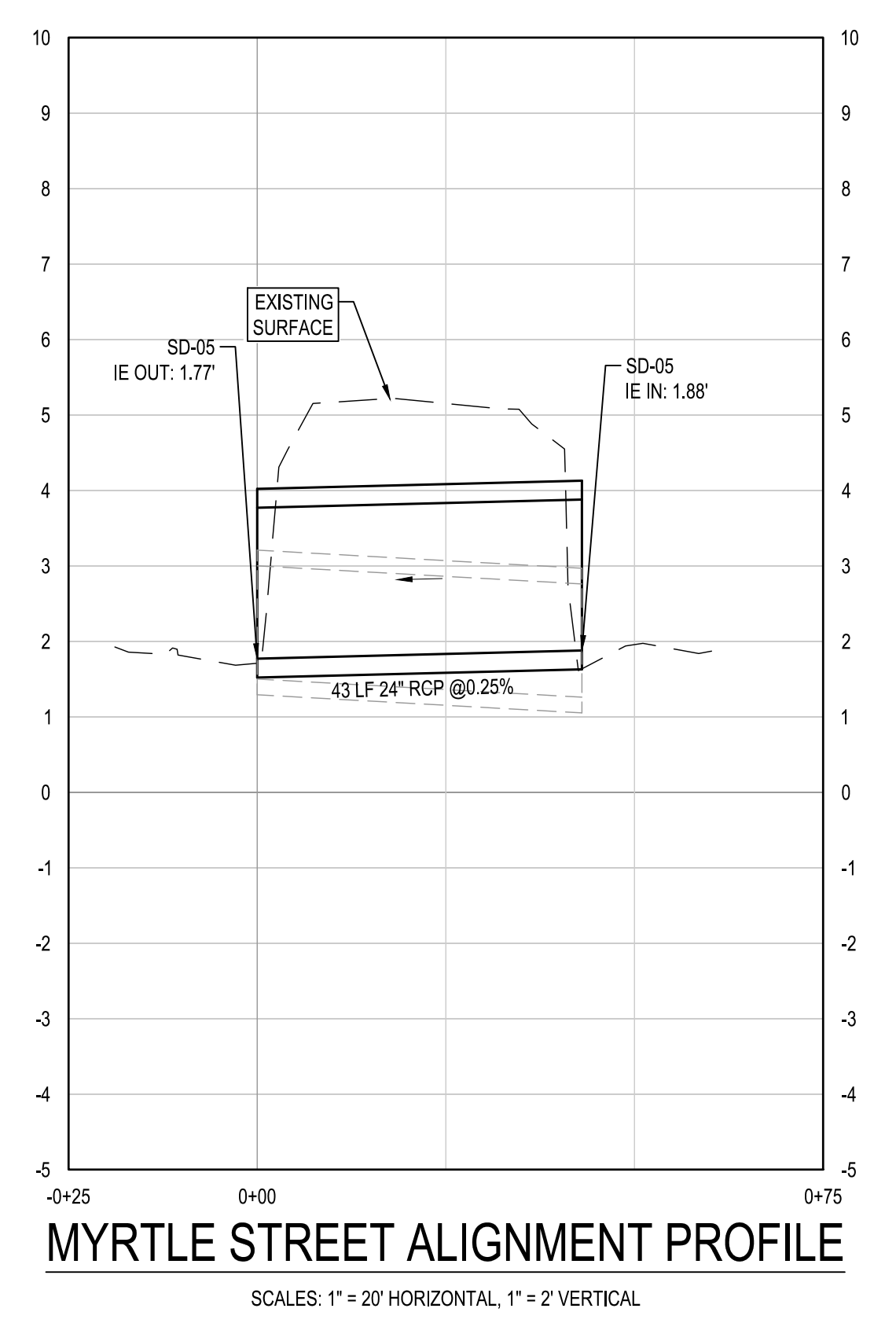
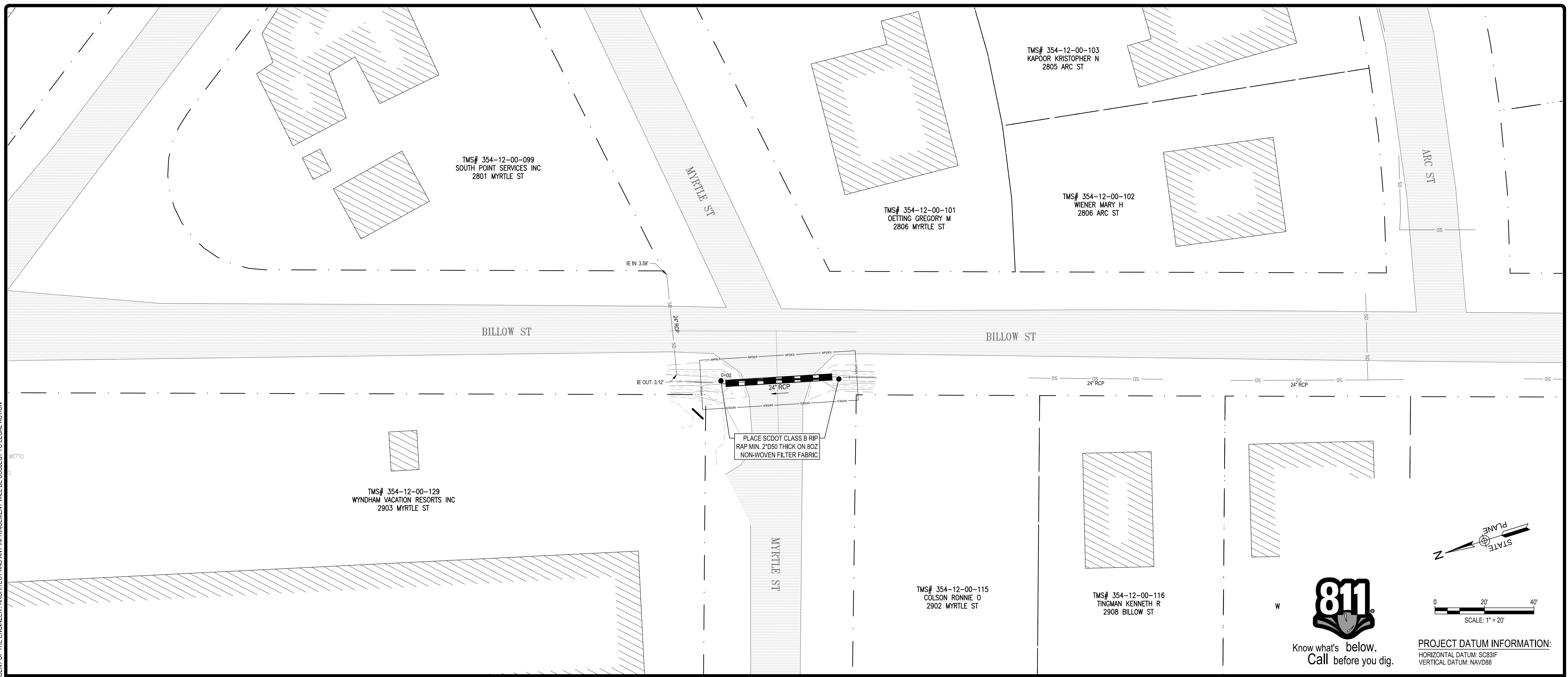
**LEE STREET ALIGNMENT PROFILE**

SCALES: 1" = 20' HORIZONTAL, 1" = 2' VERTICAL

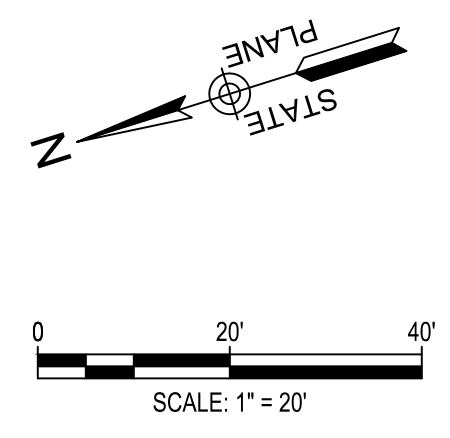
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OWNER <b>TOWN OF EDISTO BEACH</b> EDISTO ISLAND, SC PROJECT TITLE <b>ARC/BILLOW STREET DRAINAGE IMPROVEMENTS</b>
DRAWING TITLE <b>DRAINAGE PLAN &amp; PROFILE</b>
DATE 06/01/2021 DRAWN CMW CHECKED CMW APPROVED _____ NO.
PROJECT NO. <b>C310</b>
PAGE 7 OF 11

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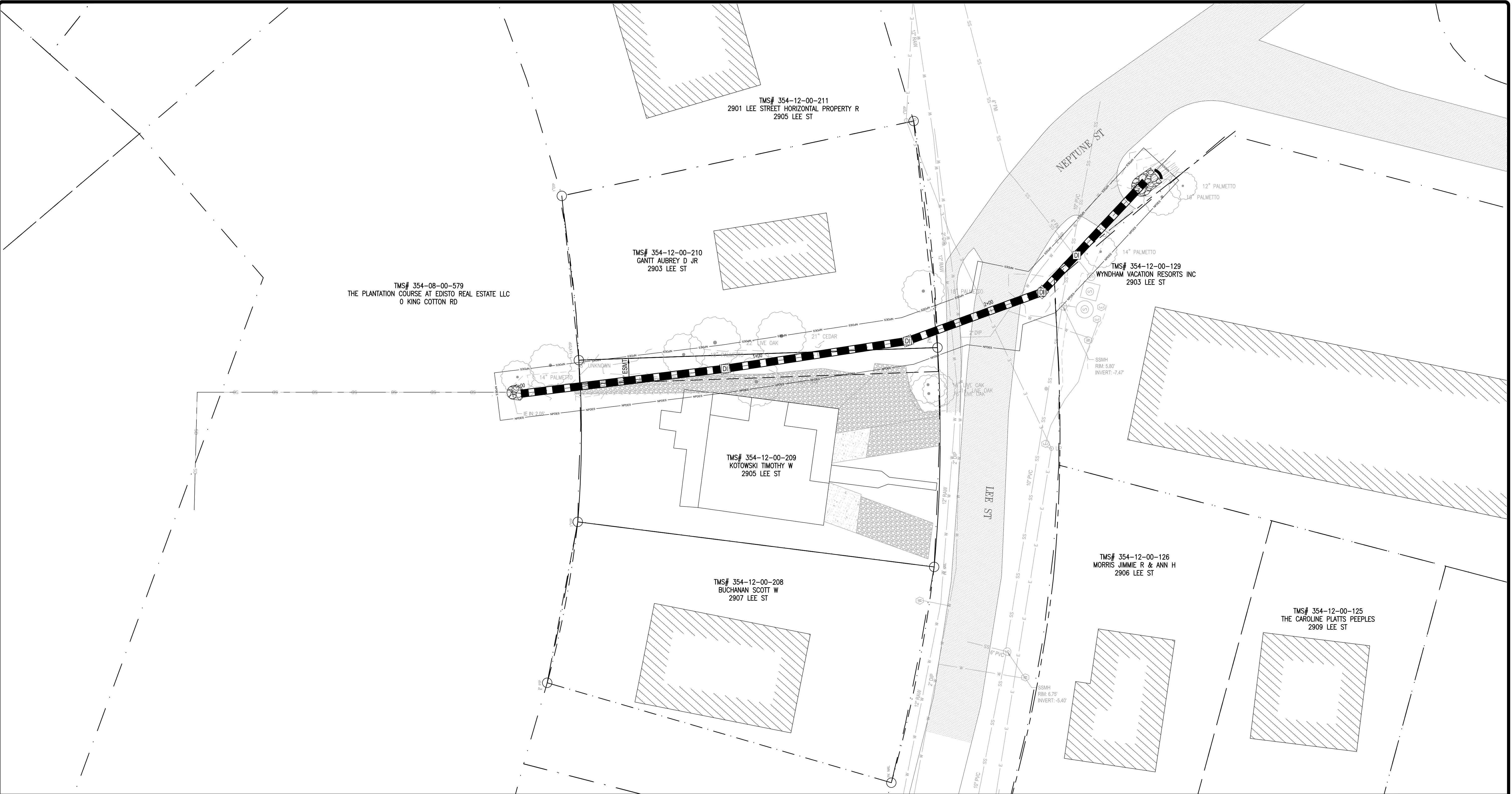
**PROJECT DATUM INFORMATION:**  
 HORIZONTAL DATUM: SC83IF  
 VERTICAL DATUM: NAVD88



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<p><b>DRAINAGE PLAN &amp; PROFILE</b></p>					
<p>NO.</p>	<p>RELEASED</p>	<p>DATE</p>	<p>CHECKED</p>	<p>DATE</p>	<p>APPROVED</p>
<p>031893.01</p>	<p>031893.01</p>	<p>JUNE 2021</p>	<p>CMW</p>	<p>CMW</p>	<p>CMW</p>
<p><b>C311</b></p>					
<p>PAGE 8 OF 11</p>					

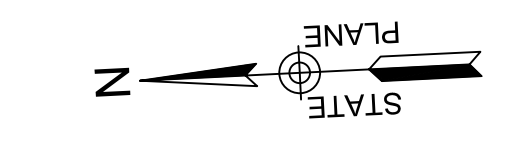


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**EROSION CONTROL LEGEND**

- LIMIT OF DISTURBANCE
- INLET PROTECTION - DROP-IN
- RIP RAP
- SEDIMENT TUBE



PROJECT DATUM INFORMATION:  
 HORIZONTAL DATUM: SC83IF  
 VERTICAL DATUM: NAVD88



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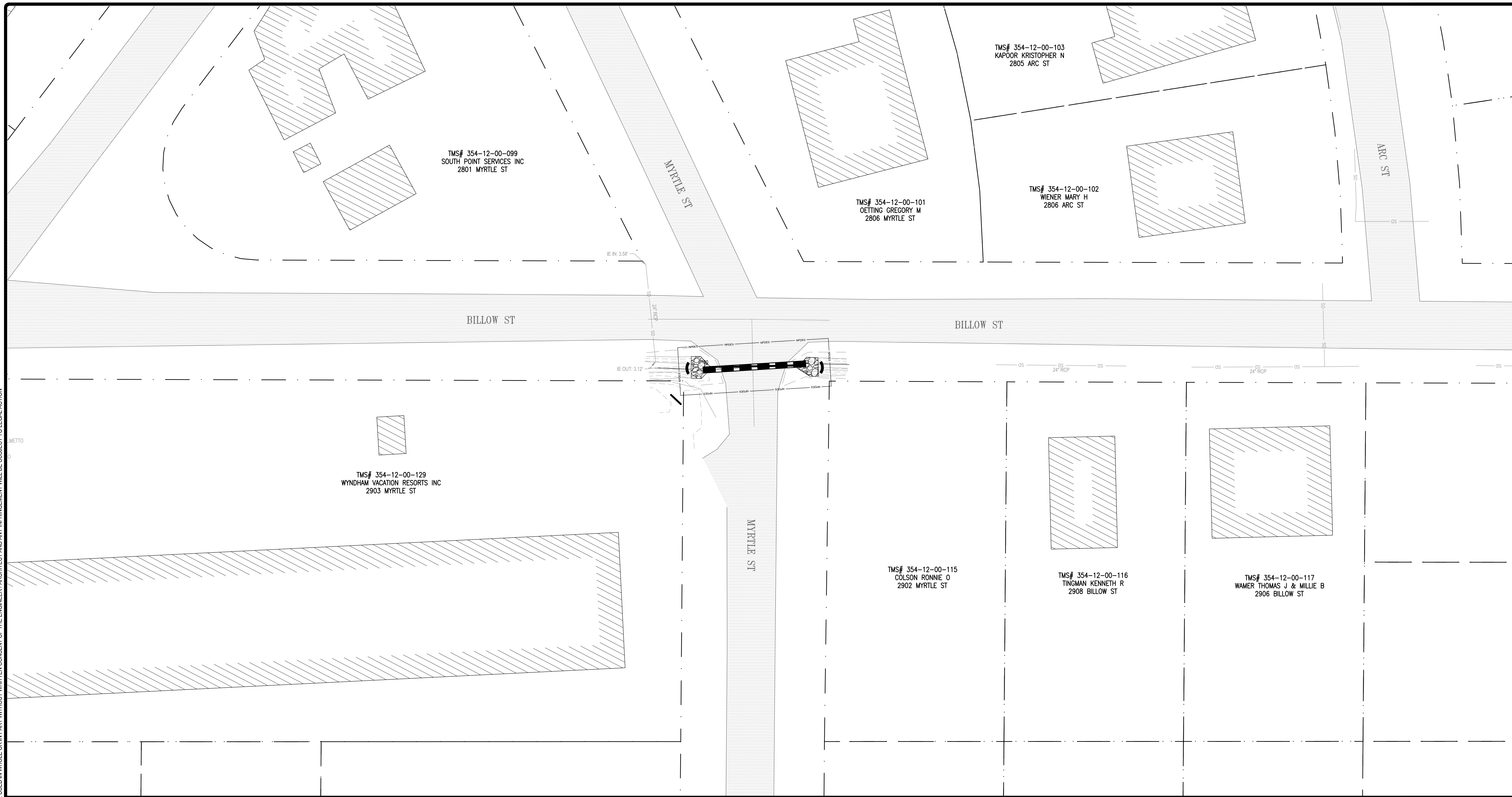
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NO.	RELEASED	CHECKED	DATE
031893-01			JUNE 2021

C510

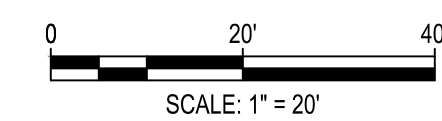
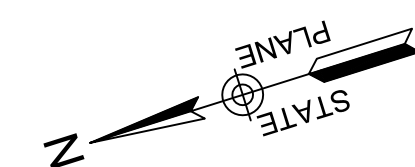
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**EROSION CONTROL LEGEND**

- LIMIT OF DISTURBANCE: 10'0" 20'0" 30'0" 40'0"  
 INLET PROTECTION - DROP-IN:   
 RIP RAP:



**PROJECT DATUM INFORMATION:**  
 HORIZONTAL DATUM: SC83IF  
 VERTICAL DATUM: NAVD88

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 PROJECT TITLE  
**ARC/BILLOW STREET DRAINAGE IMPROVEMENTS**

DRAWING TITLE  
**EROSION CONTROL PLAN**

NO.	DATE	RELEASED	CHECKED	DATE	BY

PROJECT NO: 031893.01  
 DATE: JUNE 2021  
 DRAWN BY: CMM  
 CHECKED BY: CMM  
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**C511**  
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