

CONSTRUCTION DRAWINGS FOR: LOGAN STREET SIDEWALK EXTENSION

REQUEST FOR BIDS NO.: TOR-2024-06

PROJECT LOCATION: N.T.S.



LOCATION MAP: N.T.S.



MAYOR
JOSEPH N. MALPHRUS, JR
MAYOR PRO TEMPORE
TOMMY RHODES
COUNCIL MEMBERS
JOSEPHINE BOYLES
BILL FISHBURNE
LIBBY MALPHRUS
TOWN ADMINISTRATOR
DENNIS E. AVERKIN

RFP 2024-01

PREPARED BY:



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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL R. KLINK, PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE: NOVEMBER 2024
ISSUE: BID

GENERAL NOTES:

1. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM SURVEY PERFORMED BY ATLAS SURVEYING, INC. JOB NUMBER BFT-23133. HORIZONTAL DATUM BASED ON NAD 83 AND VERTICAL DATUM BASED ON NAVD 88 DATUM.
2. THE CONTRACTOR SHALL PROTECT ALL BENCHMARKS AND MONUMENTS FROM DAMAGE AND SHALL ESTABLISH OFFSET POINTS AS REQUIRED FOR THIS WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL SCHEDULED IMPROVEMENTS AS SHOWN ON THE CONTRACT DRAWINGS.
3. ALL CONSTRUCTION THAT PERTAINS TO WATER AND SEWER SHALL CONFORM TO THE TOWN OF RIDGELAND STANDARD SPECIFICATIONS FOR WATER AND SEWER SYSTEMS, LATEST EDITION. ALL CONSTRUCTION THAT PERTAINS TO ROADWAY AND DRAINAGE THAT IS NOT SPECIFICALLY NOTED OR DETAILED IN THE CONSTRUCTION DRAWINGS SHALL CONFORM TO THE SCDOT SPECIFICATIONS, LATEST EDITION. THE CONTRACTOR SHALL REFER TO THE MOST CURRENT EDITION OF THE SCDOT STANDARD DRAWINGS.
4. AVAILABLE INFORMATION AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN COLLECTED FROM VARIOUS SOURCES. THE RESULT OF SUCH INVESTIGATIONS, AS MAY BE SHOWN ON THE CONTRACT DRAWING, ARE NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY MARK-OUT SERVICE PROVIDER AND VERIFY AREA OF ALL UTILITIES (AS NECESSARY) PRIOR TO COMMENCING WORK.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY EXISTING ABOVEGROUND AND UNDERGROUND UTILITIES, CONDUITS, STRUCTURES, EQUIPMENT, FOUNDATIONS, PIPE, ETC. AS NECESSARY TO COMPLETE THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE OWNER'S OF THE UTILITY 72 HOURS PRIOR TO STARTING WORK AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME. VARIOUS UTILITIES MAY NEED TO BE RESET BY THE AFFECTED UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE UTILITY COMPANY TO AVOID DELAYS. NO EXTENSION OF TIME WILL BE PROVIDED DUE TO THE LACK OF COORDINATION BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM TEST PITS WHERE EXISTING UTILITIES ARE TO BE CROSSED. TEST PIT INFORMATION SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS MAY BE REQUIRED TO AVOID CONFLICTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS WITHIN SCDOT AND TOWN R.O.W.'S AND EASEMENTS. ALL SURVEY LAYOUT VERIFYING THE EXACT LOCATION OF THE R.O.W.'S SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL COSTS FOR SAME SHALL BE INCLUDED WITHIN THE VARIOUS BID ITEMS.
7. THE CONTRACTOR SHALL TAKE CARE IN MAINTAINING ALL LANDSCAPING AND YARD STRUCTURES WITHIN THE CONSTRUCTION LIMITS AS NECESSARY PER PROJECT. WHEN RELOCATION IS NECESSARY OR WHERE ANY DAMAGE IS DONE TO SAID ITEMS THEY SHALL BE RESTORED BY THE CONTRACTOR, AT HIS EXPENSE, TO THE SATISFACTION OF THE TOWN ENGINEER.
8. ANY CONCRETE DRIVEWAY, WALKWAY, OR CURB WHICH IS NOT SHOWN, DIRECTED, OR MARKED OUT BY THE ENGINEER TO BE REPLACED, BUT IS REMOVED, MISALIGNED OR DAMAGED AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR PER DETAILS IN THE CONSTRUCTION DRAWINGS OR (IF NOT INDICATED IN THE CONSTRUCTION DRAWINGS) SCDOT STANDARDS AT NO ADDITIONAL COSTS TO THE OWNER.
9. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE AWAY FROM RESIDENCES AND ALONG ROAD GUTTERS IS MAINTAINED AT ALL LOCATIONS DISTURBED WITH IN THE PROJECT LIMITS.
10. IF IT SHALL BECOME ABSOLUTELY NECESSARY TO PERFORM WORK AT NIGHT, THE TOWN SHALL BE INFORMED IN ADVANCE. GOOD LIGHTING AND ALL OTHER NECESSARY FACILITIES FOR PROPERLY CARRYING OUT AND INSPECTING THE WORK SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL STATE AND LOCAL REGULATIONS GOVERNING HOURS DURING WHICH CONSTRUCTION EQUIPMENT MAY BE OPERATED. NIGHT WORK MAINTENANCE OF TRAFFIC INCLUDING PEDESTRIAN MUST BE SET UP AND MAINTAINED DURING NIGHT WORK AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. OPEN TRENCHES SHALL BE KEPT TO A MINIMUM. NO EXCAVATION AREAS ARE TO REMAIN OPEN OVERNIGHT. BITUMINOUS STABILIZED BASE COURSE SHALL BE PLACED IN ALL TRENCH AREAS WITHIN THE ROADWAY AT THE END OF EACH DAYS WORK.
12. IN THE EVENT A SITUATION ARISES IN WHICH MATERIALS NOT SPECIFIED ON THE PLANS ARE TO BE USED FOR EXTRA WORK, THEN THE MATERIALS SHALL CONFORM TO THE TOWN OF RIDGELAND STANDARD SPECIFICATIONS FOR WATER AND SEWER SYSTEMS AND SCDOT SPECIFICATIONS FOR ROADWAY AND DRAINAGE SYSTEMS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL MATERIALS EXCAVATED OF WHATEVER NATURE AT HIS OWN EXPENSE. THE OWNER IS NOT OBLIGATED TO SUPPLY A DISPOSAL SITE. THE CONTRACTOR CANNOT DEPOSIT ANY OF THE EXCESS MATERIALS WITHIN TOWN LIMITS WITHOUT THE EXPRESS PERMISSION OF THE TOWN. MATERIALS MUST BE DISPOSED OF IN ACCORDANCE WITH ALL STATE REGULATIONS REGARDING SAME.
14. ALL STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND DETAILS.
15. PROTECTION OF EXISTING TREES WITHIN THE LIMITS OF DISTURBANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE TOWN ENGINEER SHALL DETERMINE IN THE FIELD OR ON THE CONSTRUCTION PLANS WHICH TREES REQUIRE TREE PROTECTION PER PROJECT AS NECESSARY. NO CONSTRUCTION EQUIPMENT OR SUPPLIES SHALL BE STOCKPILED OR STORED WITHIN THE DRIP LINE OF ANY EXISTING TREE TO REMAIN.
16. ALL PROPERTY CORNERS OR MONUMENTS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY A SOUTH CAROLINA LICENSED LAND SURVEYOR, AT NO ADDITIONAL COST TO THE OWNER.
17. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO MAINTAIN DUST CONTROL AS REQUIRED OR DIRECTED BY THE TOWN ENGINEER. ALL VEHICLES SHALL BE CLEAN AND ALL ROADWAYS SHALL BE MAINTAINED AS DIRECTED BY THE TOWN ENGINEER.
18. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE SCDOT STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING PAVEMENT MARKINGS. CONTRACTOR SHALL NOTIFY TOWN ENGINEER AND SCDOT (AS NECESSARY) WHEN TRAFFIC STRIPES AND PAVEMENT MARKINGS HAVE BEEN LAID OUT PRIOR TO PAINTING. THE TOWN ENGINEER AND/OR SCDOT (AS NECESSARY) WILL INSPECT AND APPROVE LAYOUT PRIOR TO CONTRACTOR PAINTING TRAFFIC STRIPES AND PAVEMENT MARKINGS.
19. THE CONTRACTOR SHALL PERFORM ONLY THE AMOUNT OF WORK WHICH CAN BE COMPLETED THE SAME DAY. THE ENTIRE ROADWAY SHALL BE OPENED TO TRAFFIC AFTER WORK HOURS UNLESS APPROVED BY TOWN AND SCDOT (IF SCDOT ROW). SCDOT TEMPORARY PAVEMENT OR APPROVED SURFACE SHALL BE PLACED IN CONSTRUCTION AREAS TO PROVIDE A SMOOTH, SAFE SURFACE FOR VEHICULAR TRAFFIC. THE COST FOR TEMPORARY PAVEMENT SHALL BE INCLUDED IN UNIT PRICE BID FOR VARIOUS CONSTRUCTION ITEMS.
20. IN ADDITION TO ALL GRADING ACTIVITIES, THE CLEARING SITE ITEM SHALL INCLUDE THE REMOVAL OF EXISTING TREES, SHRUBS, CURBING, SIDEWALKS, FENCES, DRIVEWAYS, WALLS, PIPES, INLETS, RESIDENTIAL WALKWAYS, ASPHALT, RIP-RAP, AND OTHER FEATURES WHICH NEED TO BE REMOVED AND/OR RESET IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS. LAWN SPRINKLER SYSTEMS IF APPLICABLE TO PROJECT SHALL BE REMOVED AND REPLACED WHERE NECESSARY BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND SHALL BE PAID UNDER THE CLEARING SITE ITEM.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION STAKEOUT. OFFSET LINES WITH STAKES SHALL BE SET AT APPROPRIATE INTERVALS TO FACILITATE CONSTRUCTION.
22. CUT SHEETS SHALL BE SUBMITTED FOR APPROVAL TO THE TOWN ENGINEER AND REQUIRE APPROVAL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ALLOW AT LEAST 7 BUSINESS DAYS FOR ENGINEER CUT SHEET REVIEW FOR EACH SUBMITTAL.
23. ALL EXISTING STRUCTURES AND ALL UNDERGROUND STRUCTURES ARE TO BE REMOVED IN ACCORDANCE WITH STATE REGULATIONS.
24. THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER FROM THOSE SHOWN HEREIN.
25. THESE GENERAL NOTES SHALL APPLY FOR THE ENTIRE PROJECT.

NOTES FOR MAINTENANCE AND PROTECTION OF TRAFFIC:

1. ALL DEVICES AND PROCEDURES FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH SCDOT. THE CONTRACTOR SHALL PLAN AND CARRY OUT HIS WORK TO PROVIDE FOR THE CONVENIENT AND SAFE PASSAGE OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC ON ADJACENT STREETS.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING MAINTENANCE AND PROTECTION OF TRAFFIC THROUGH THE DURATION OF CONSTRUCTION. NO SEPARATE PAYMENTS WILL BE MADE FOR RELOCATING THE DEVICES AS REQUIRED, OR AS DIRECTED BY THE TOWN ENGINEER, DURING THE COURSE OF CONSTRUCTION.
3. DURING CONSTRUCTION, ALL ROADS SHALL BE PROPERLY MAINTAINED TO ACCOMMODATE EMERGENCY VEHICLES AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE LOCAL AND STATE POLICE DEPARTMENTS FOR TRAFFIC OPERATIONS AND PARKING PROHIBITIONS DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY DETOURS NECESSARY WITH THE POLICE, TOWN ENGINEER AND/OR FIRE DEPARTMENTS PRIOR TO CONSTRUCTION. ALL EMERGENCY VEHICLES MUST HAVE ACCESS TO STREETS AT ALL TIMES, ALL RESIDENTS MUST HAVE ACCESS TO THEIR HOMES AT ALL TIMES, AND ALL BUSINESSES MUST HAVE ACCESS TO ALLOW CUSTOMERS TO BUSINESSES AT ALL TIMES THE BUSINESSES IS IN OPERATION OR REQUIRES ACCESS. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE ROADWAY TO A SAFE CONDITION AT THE END OF EACH DAY'S WORK PER SCDOT STANDARDS.
6. ALL TRAFFIC CONTROL SIGNS AND STRIPING SHALL BE INSTALLED IN ACCORDANCE WITH SCDOT. EXACT LOCATION OF STREET SIGNS AND PAVEMENT MARKINGS SHALL BE DETERMINED BY SCDOT SPECIFICATIONS.
7. CONTRACTOR TO COORDINATE AND RECEIVE APPROVAL WITH BUSINESSES REGARDING IMPACT TO ACCESS DURING CONSTRUCTION ACTIVITIES
8. SPEED LIMIT OF TRAFFIC PROJECT:
 LOGAN STREET - 35 MPH
 E ADAMS STREET - 25 MPH
 E MAIN STREET - 35 MPH



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REV/NO	DATE	DRWN/CHKD BY	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			

LOGAN STREET SIDEWALK EXTENSION

GENERAL NOTES

TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

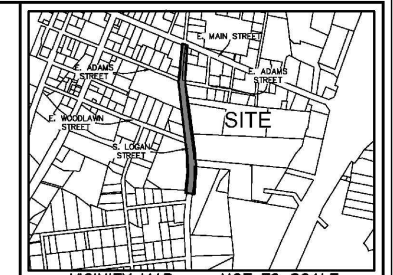
DESIGN MRK	17-1007-039	NOVEMBER 2024	BID
JOB #			
ISSUE DATE			
ISSUE			



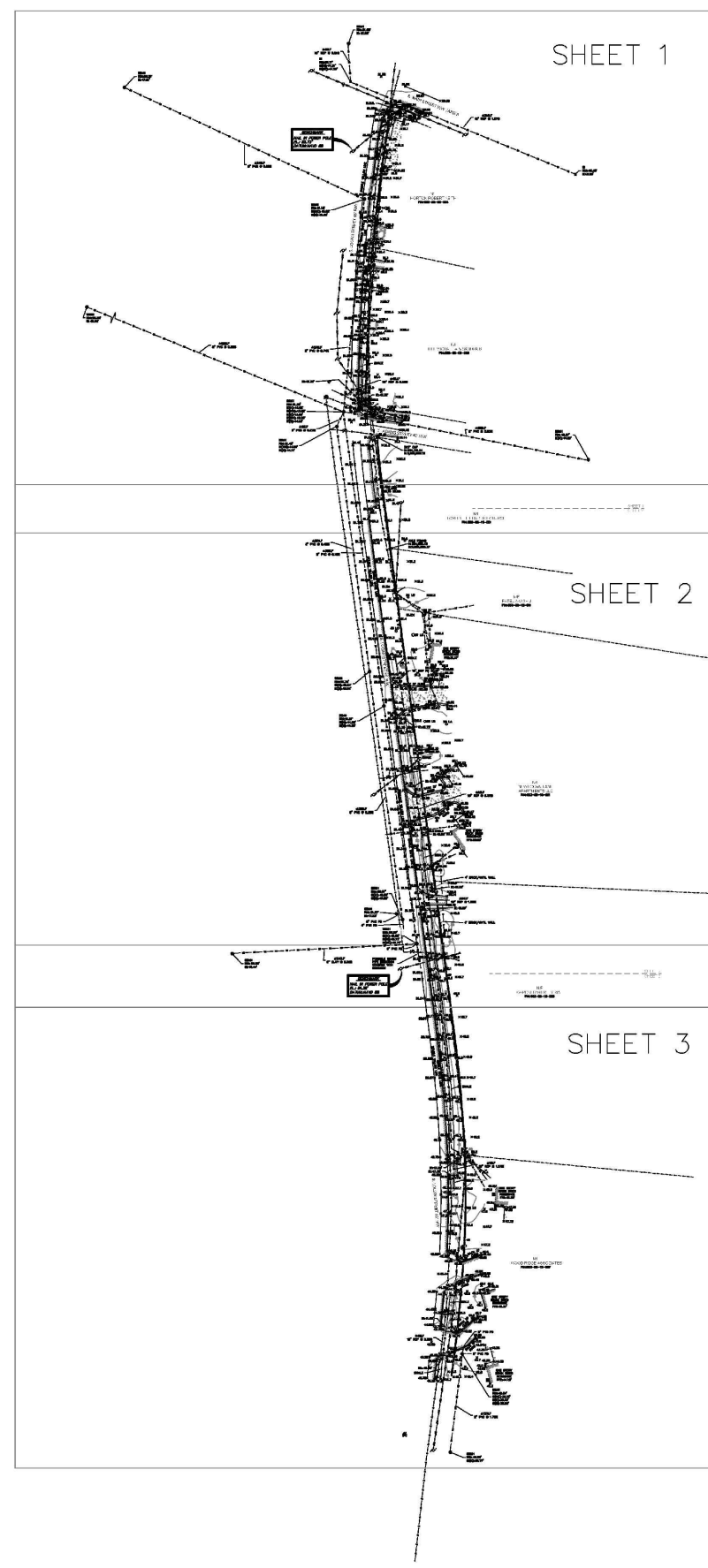
FOUR WATERS ENGINEERING
 324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
 844-414-2400 S.C. COA # 51661 WWW.4WENG.COM

DRAWING NUMBER
G-1

NORTH
 SC GRID (NAD 83)
 (2011)



VICINITY MAP NOT TO SCALE



LEGEND

CMF ■	CONC. MONUMENT FOUND
CMFD ■	CONC. MONUMENT FOUND DISTURBED
OTF ●	OPEN TOP PIPE
RBF ●	IRON REBAR FOUND
AV	AIR RELEASE VALVE
CJB	CABLE JUNCTION BOX
FOB	FIBER OPTIC BOX
FH	FIRE HYDRANT
GW	GUY WIRE
LP	LIGHT POLE
PP	POWER POLE
SDM	STORM DRAIN MANHOLE
SE	SPOT ELEVATION
S	SIGN
SSM	SANITARY SEWER MANHOLE
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PVC	POLYVINYL CHLORIDE PIPE
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LO	LIVE OAK
PA	PALMETTO
BB	BOTTOM OF BANK
B	CONTOUR LINE
F	FENCE LINE
OP	OVERHEAD POWER LINE
TB	TOP OF BANK
UTV	UNDERGROUND TV LINE
UD	UNDERGROUND DRAINAGE LINE
UE	UNDERGROUND ELECTRIC LINE
UFO	UNDERGROUND FIBER OPTICS LINE
US	UNDERGROUND SEWER LINE
UT	UNDERGROUND TELEPHONE
UW	UNDERGROUND WATER LINE
C	CONCRETE
EP	EDGE OF PAVEMENT
B	BRICK

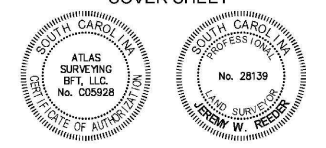
EXISTING CONDITIONS

- NOTES
1. THIS CORRIDOR APPEARS TO LIE IN FLOOD ZONE X, COMMUNITY 45014, MAP NUMBER 4505300300.
 2. CONTOURS ARE IN ONE FOOT INTERVALS. TREE SIZES SHOWN ARE IN INCHES OF DIAMETER.
 3. VERTICAL DATUM IS NAVD 88.
 4. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE GRID (NAD 83).
 5. THE EXISTENCE AND LOCATION OF THE SURFACE AND SUB-SURFACE UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE RECORDS AND SURFACE VISIBLE FEATURES ALONG WITH ELECTRONIC AND ACoustICAL EVIDENCE AS OF 07-12-2023. THE EXTENT AND LIABILITY OF THIS INFORMATION IS LIMITED TO THE STANDARDS OF CARE FOR A SPECIFIC UTILITY INVESTIGATION AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) PUBLICATION 38-02. THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES CANNOT BE DETERMINED WITHOUT EXPOSING THEM IN SOME WAY. PRIOR TO CONSTRUCTION OR EXCAVATION, IT IS REQUIRED BY LAW TO CONTACT THE STATE 811 UTILITY PROTECTION CENTER.
 6. BOUNDARY SURVEY NOT PERFORMED AT THE TIME OF FIELDWORK.

PREPARED FOR:
 FOUR WATERS ENGINEERING, INC.
 AN AS-BUILT/TREE AND TOPOGRAPHIC SURVEY OF
 A PORTION OF
 LOGAN STREET
 RIDGELAND
 JASPER COUNTY, SOUTH CAROLINA

FIELD WORK: LWR
 FIELD CHECK: JWR
 DRAWN BY: DTJ
 FIELD DATE: 07-12-2023
 PLAT DATE: 07-27-2023
 SCALE: 1"=100'
 PROJECT No.: BFT-20333
 FILE: BFT-20333-ATT-000

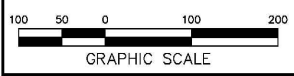
COVER SHEET



I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS AS SPECIFIED THEREIN.

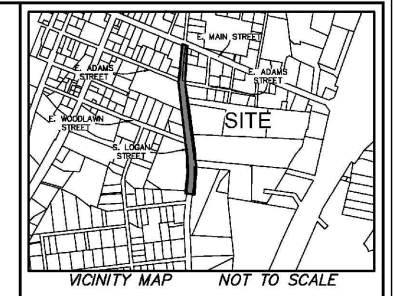
ATLAS SURVEYING BFT, LLC
 No. 28139
 JEREMY W. REEDER
 S.C.P.E. No. 28139
 NOT VALID UNLESS CRIMPED WITH SEAL

G-2



ATLAS
 SURVEYING, INC.
 168 BOARDWALK DRIVE, SUITE A.
 RIDGELAND, SC 29936.
 PHONE: (843) 645-9277
 WEBSITE: WWW.ATLASSURVEYING.COM

NORTH
SC GRID (NAD 83)
(2011)



LEGEND

CMF	CONC. MONUMENT FOUND
CMFD	CONC. MONUMENT FOUND DISTURBED
OTP	OPEN TOP PIPE
RBF	IRON REBAR FOUND
AV	AIR RELEASE VALVE
CJB	CABLE JUNCTION BOX
FIB	FIBER OPTIC BOX
FH	FIRE HYDRANT
GW	GUY WIRE
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PP	POWER POLE
SDM	STORM DRAIN MANHOLE
SE	SPOT ELEVATION
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-F-	UNDERGROUND FIBER OPTICS LINE
-S-	UNDERGROUND SEWER LINE
-T-	UNDERGROUND TELEPHONE
-W-	UNDERGROUND WATER LINE
-C-	CONCRETE
-B-	BRICK

EXISTING CONDITIONS

- NOTES**
1. THIS CORRIDOR APPEARS TO LIE IN FLOOD ZONE X, COMMUNITY 45014, MAP NUMBER 450303030.
 2. CONTOURS ARE IN ONE FOOT INTERVALS. TREE SIZES SHOWN ARE IN INCHES OF DIAMETER.
 3. VERTICAL DATUM IS NAVD 88.
 4. HORIZONTAL DATUM IS SOUTH CAROLINA STATE PLANE GRID (NAD 83).
 5. THE EXISTENCE AND LOCATION OF THE SURFACE AND SUB-SURFACE UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE RECORDS AND SURFACE VISIBLE FEATURES ALONG WITH ELECTRONIC AND ACQUISITION SURVEY AS OF 07-12-2023. THE EXTENT AND LIABILITY OF THIS INFORMATION IS LIMITED TO THE STANDARDS OF CARE FOR A SPECIFIC UTILITY INVESTIGATION AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASSE) PUBLICATION 38-02. THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES CANNOT BE DETERMINED WITHOUT EXPOSING THEM IN SOME WAY. PRIOR TO CONSTRUCTION OR EXCAVATION, IT IS REQUIRED BY LAW TO CONTACT THE STATE 811 UTILITY PROTECTION CENTER.
 6. BOUNDARY SURVEY NOT PERFORMED AT THE TIME OF FIELDWORK.

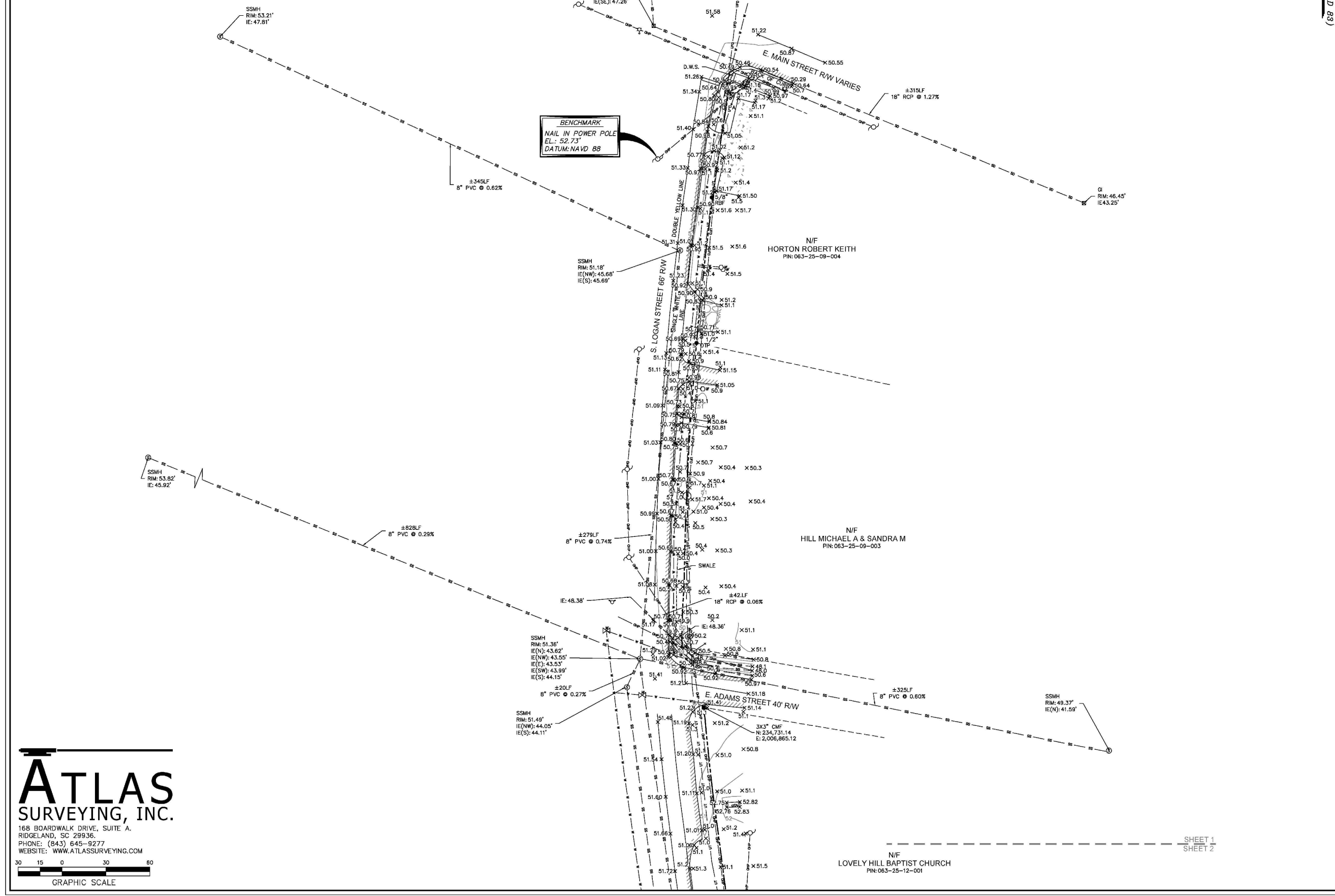
PREPARED FOR:
FOUR WATERS ENGINEERING, INC.
AN AS-BUILT/TREE AND TOPOGRAPHIC SURVEY OF
A PORTION OF
LOGAN STREET
RIDGELAND

JASPER COUNTY, SOUTH CAROLINA
FIELD WORK: LWR
FIELD CHECK: JWR
DRAWN BY: DTJ
FIELD DATE: 07-12-2023
PLAT DATE: 08-08-2024
SCALE: 1"=30'
PROJECT No.: FT-23133
FILE: FT-23133-ATL.DWG
SHEET 1 OF 3



I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS AS SPECIFIED THEREIN.

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JEREMY W. REEDER
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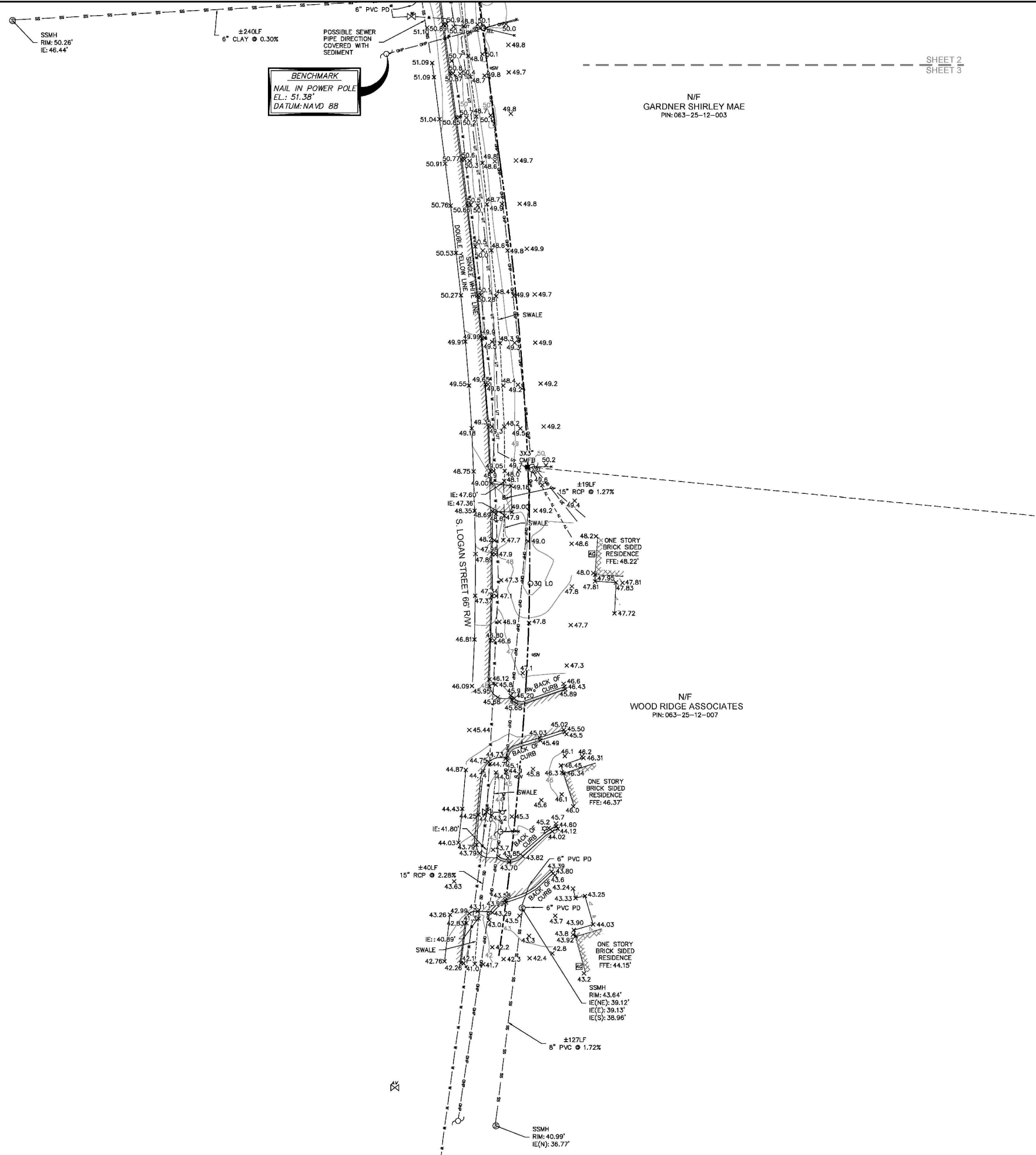


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168 BOARDWALK DRIVE, SUITE A.
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GRAPHIC SCALE
0 15 30 60

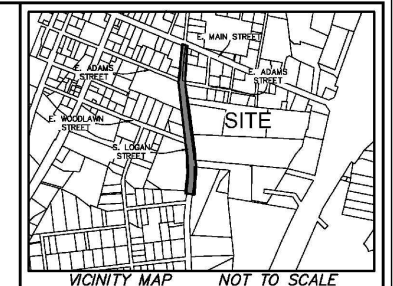
SHEET 1
SHEET 2

G-3



SHEET 2
SHEET 3

NORTH
SC GRID (NAD 83)
(2011)



LEGEND

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JASPER COUNTY, SOUTH CAROLINA

FIELD WORK:	LMR
FIELD CHECK:	WJR
DRAWN BY:	DTJ
FIELD DATE:	07-12-2023
PLAT DATE:	06-08-2024
SCALE:	1"=20'
PROJECT No.:	BT-23133
FILE:	BT-23133-ATT006

SHEET 3 OF 3

I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREIN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS AS SPECIFIED THEREIN.

ATLAS SURVEYING
BFT, LLC
No. CD55228

SOUTH CAROLINA
PROFESSIONAL
No. 28139

STATE OF SOUTH CAROLINA
JEREMY W. REEDER
No. 28139

JEREMY W. REEDER
S.C.P.L.S. No. 28139
NOT VALID UNLESS CRIMPED WITH SEAL

ATLAS
SURVEYING, INC.

168 BOARDWALK DRIVE, SUITE A.
RIDGELAND, SC 29936.
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

30 15 0 30 60
GRAPHIC SCALE

- NOTES:
1. CONTRACTOR TO REFER TO CURRENT SCDOT STANDARDS FOR ALL CONSTRUCTION WITHIN SCDOT RIGHT-OF-WAY.
 2. REMOVE AND REPLACE EXISTING SIDEWALK RAMPS THAT DO NOT MEET ADA STANDARDS WITH ADA COMPLIANT SIDEWALK RAMPS.
 3. CONTRACTOR TO VERIFY PROPERTY CORNERS TO ENSURE SIDEWALK IS LOCATED WITHIN ROW

PAVING LEGEND

- DENOTES LIMITS OF MILL AND RESURFACE 2" THICKNESS. (406 SY TOTAL)
- DENOTES PAVEMENT REPAIR. (22 SY TOTAL)
- DENOTES NEW 6" CONCRETE DRIVEWAY (364 SY TOTAL)
- DENOTES 6" CONCRETE DRIVEWAY REPAIR (86 SY TOTAL)
- DENOTES NEW 4" CONCRETE SIDEWALK (792 SY TOTAL)
- DENOTES NEW CURB (743 LF TOTAL)
- SILT FENCE (1089 LF TOTAL)
- DRAINAGE FLOW DIRECTION
- INLET PROTECTION

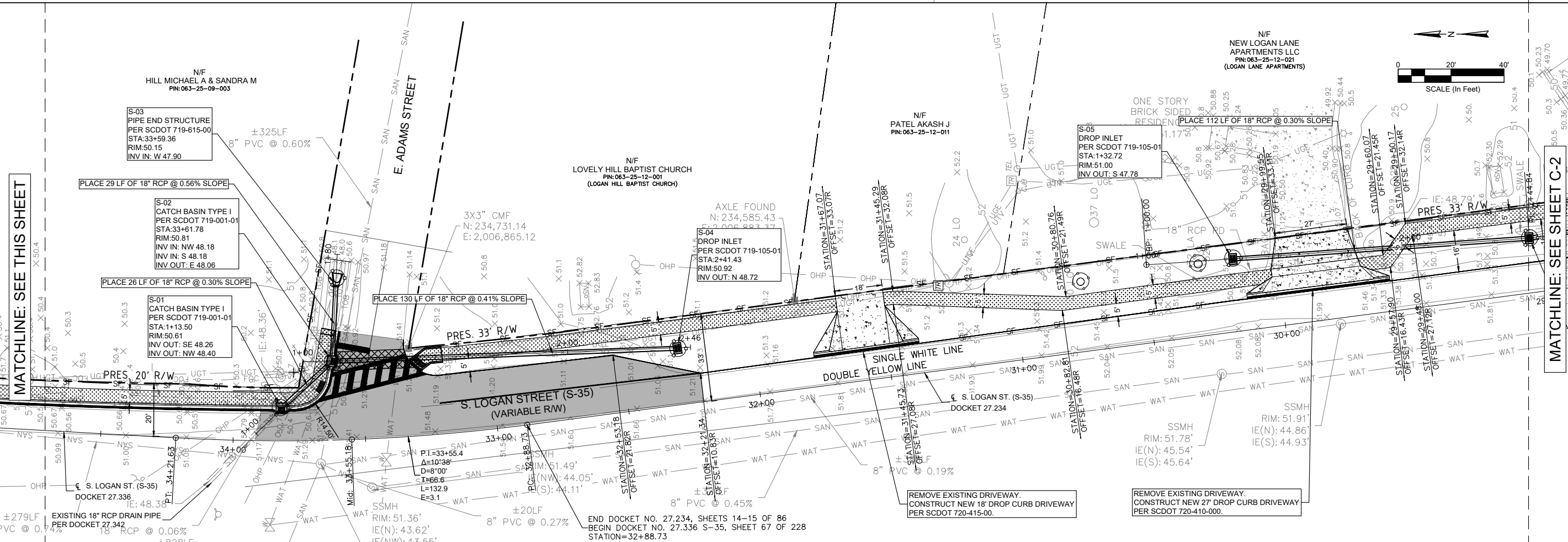
REMOVE EXISTING CONCRETE SIDEWALK ADA RAMP. REMOVE EXISTING CONCRETE GUTTER AND ADA CURB. CONSTRUCT 2' CURB AND GUTTER WITH ADA RAMP. CONSTRUCT 5' SIDEWALK.

SAWCUT EXISTING SIDEWALK AND REMOVE WITHIN CONSTRUCTION LIMITS. REPLACE SIDEWALK FOR TRANSITION FROM EXISTING TO NEW 5' SIDEWALK.

REMOVE EXISTING DRIVEWAY. CONSTRUCT NEW 13.3' DROP CURB DRIVEWAY PER SCDOT 720-405-00.

REMOVE EXISTING DRIVEWAY. CONSTRUCT NEW 20.9' DROP CURB DRIVEWAY PER SCDOT 720-405-00.

CONSTRUCT NEW DROP CURB DRIVEWAY. MATCH EXISTING WIDTH PER SCDOT 720-405-00.



MATCHLINE: SEE THIS SHEET

MATCHLINE: SEE THIS SHEET

MATCHLINE: SEE SHEET C-2



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REV. NO.	DATE	DRWN/CHK BY	DESCRIPTION
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PROPOSED - PAVING AND DRAINAGE

DESIGN MRK	BRH	DATE	ISSUE
17-1007-039		NOVEMBER 2024	

FOUR WATERS ENGINEERING

324 6th AVENUE, JACKSONVILLE BEACH, FLORIDA 32250
844-414-2400 S.C. COA # 51661 WWW.FWENG.COM

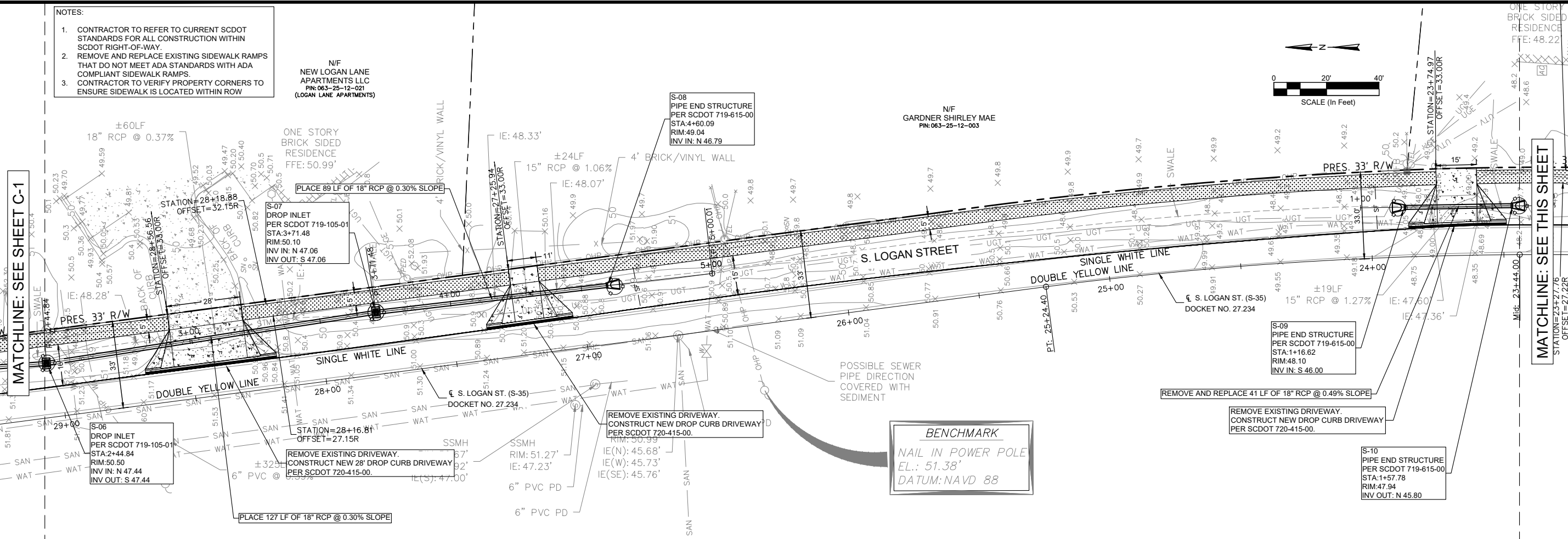
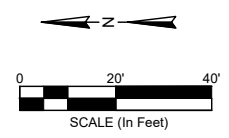
DRAWING NUMBER
C-1

- NOTES:
1. CONTRACTOR TO REFER TO CURRENT SCDOT STANDARDS FOR ALL CONSTRUCTION WITHIN SCDOT RIGHT-OF-WAY.
 2. REMOVE AND REPLACE EXISTING SIDEWALK RAMPS THAT DO NOT MEET ADA STANDARDS WITH ADA COMPLIANT SIDEWALK RAMPS.
 3. CONTRACTOR TO VERIFY PROPERTY CORNERS TO ENSURE SIDEWALK IS LOCATED WITHIN ROW

N/F
NEW LOGAN LANE
APARTMENTS LLC
PIN: 063-25-12-091
(LOGAN LANE APARTMENTS)



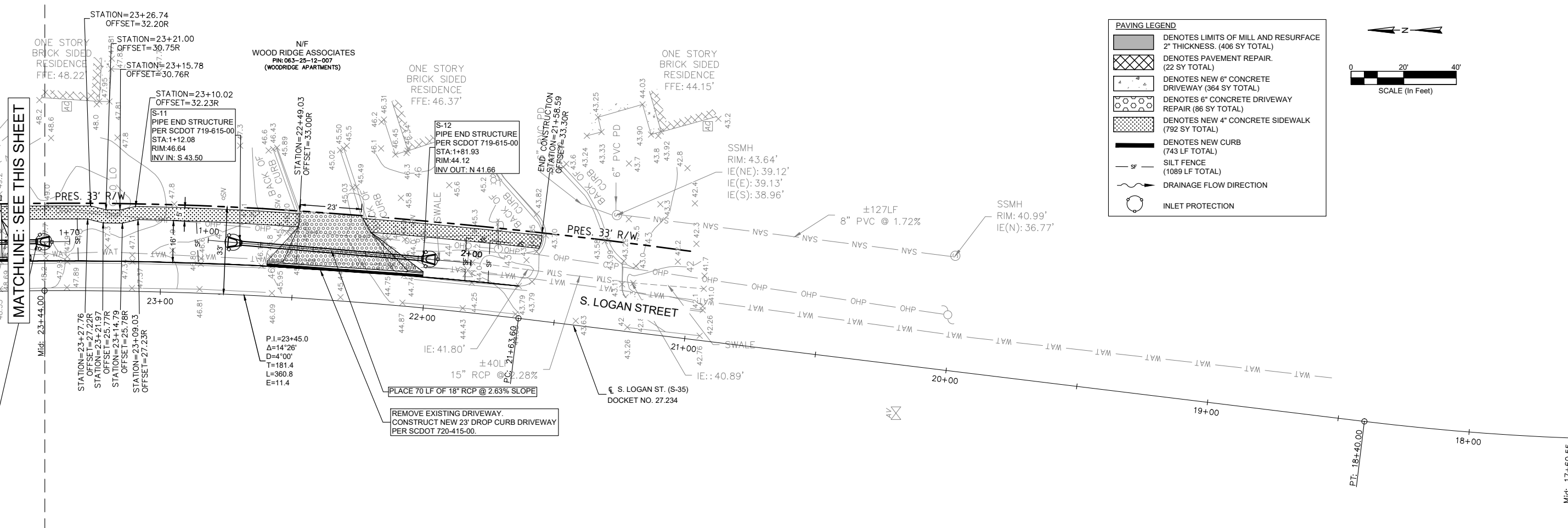
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MATCHLINE: SEE SHEET C-1

MATCHLINE: SEE THIS SHEET

REV	NO	DATE	DRWN/CHKD BY	DESCRIPTION
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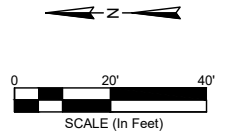


MATCHLINE: SEE THIS SHEET

MATCHLINE: SEE THIS SHEET

PAVING LEGEND

- DENOTES LIMITS OF MILL AND RESURFACE 2" THICKNESS. (406 SY TOTAL)
- DENOTES PAVEMENT REPAIR. (22 SY TOTAL)
- DENOTES NEW 6" CONCRETE DRIVEWAY (364 SY TOTAL)
- DENOTES 6" CONCRETE DRIVEWAY REPAIR (86 SY TOTAL)
- DENOTES NEW 4" CONCRETE SIDEWALK (792 SY TOTAL)
- DENOTES NEW CURB (743 LF TOTAL)
- SILT FENCE (1089 LF TOTAL)
- DRAINAGE FLOW DIRECTION
- INLET PROTECTION



PROPOSED - PAVING AND DRAINAGE

DESIGN MRK	BRH	DATE	ISSUE
17-1007-039		NOVEMBER 2024	

FOUR WATERS ENGINEERING
 324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
 844-414-2400 S.C. COA # 51661 WWW.FWENG.COM

DRAWING NUMBER
C-2

- NOTES:
1. CONTRACTOR TO REFER TO CURRENT SCDOT STANDARDS FOR ALL CONSTRUCTION WITHIN SCDOT RIGHT-OF-WAY.
 2. REMOVE AND REPLACE EXISTING SIDEWALK RAMPS THAT DO NOT MEET ADA STANDARDS WITH ADA COMPLIANT SIDEWALK RAMPS.
 3. CONTRACTOR TO VERIFY PROPERTY CORNERS TO ENSURE SIDEWALK IS LOCATED WITHIN ROW

PAVING LEGEND

	DENOTES LIMITS OF MILL AND RESURFACE 2" THICKNESS. (406 SY TOTAL)
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	DENOTES NEW 4" CONCRETE SIDEWALK (792 SY TOTAL)
	DENOTES NEW CURB (743 LF TOTAL)
	SILT FENCE (1089 LF TOTAL)
	DRAINAGE FLOW DIRECTION
	INLET PROTECTION

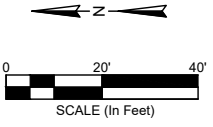
REMOVE AND REPLACE 30" STOP SIGN PER SCDOT DRAWING 651-115-01, NUMBER R1-1-30. STOP SIGN LOCATION SHALL BE PLACED IN ACCORDANCE WITH SCDOT TRAFFIC ENGINEERING GUIDELINE TG-31. (TYP)

BEGIN CONSTRUCTION STATION=37+77.14 OFFSET=37.02R

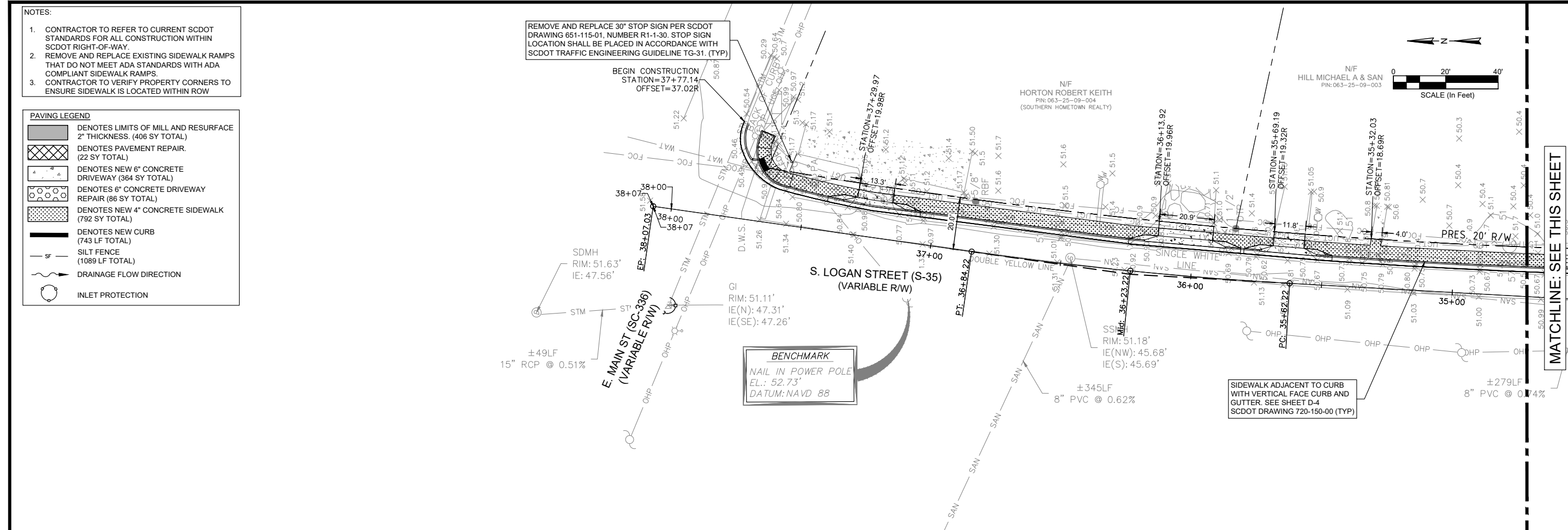
STATION=37+29.97 OFFSET=19.98R

N/F HORTON ROBERT KEITH
PIN: 063-25-09-004
(SOUTHERN HOMETOWN REALTY)

N/F HILL MICHAEL A & SAN
PIN: 063-25-09-003



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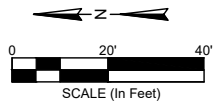
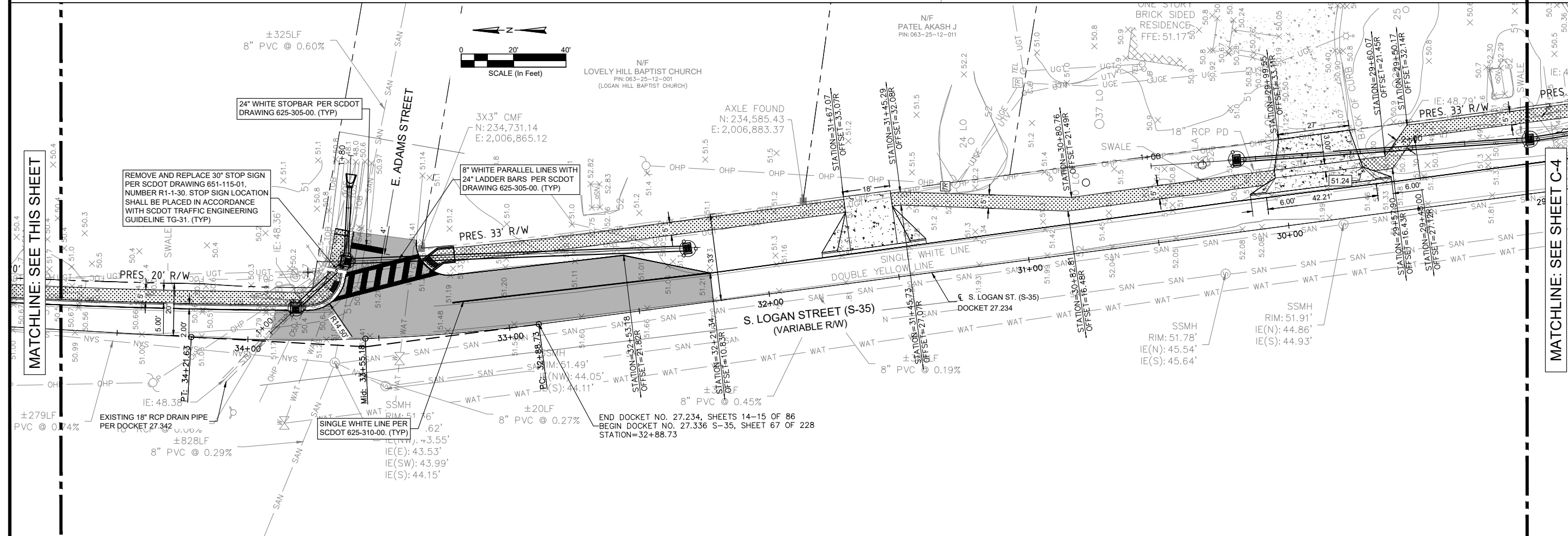


BENCHMARK
NAIL IN POWER POLE
EL.: 52.73'
DATUM: NAVD 88

SIDEWALK ADJACENT TO CURB WITH VERTICAL FACE CURB AND GUTTER. SEE SHEET D-4 SCDOT DRAWING 720-150-00 (TYP)

MATCHLINE: SEE THIS SHEET

REV	NO	DATE	DRWN	CHKD	BY	DESCRIPTION
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					



N/F LOVELY HILL BAPTIST CHURCH
PIN: 063-25-12-001
(LOGAN HILL BAPTIST CHURCH)

AXLE FOUND
N: 234,585.43
E: 2,006,883.37

REMOVE AND REPLACE 30" STOP SIGN PER SCDOT DRAWING 651-115-01, NUMBER R1-1-30. STOP SIGN LOCATION SHALL BE PLACED IN ACCORDANCE WITH SCDOT TRAFFIC ENGINEERING GUIDELINE TG-31. (TYP)

8" WHITE PARALLEL LINES WITH 24" LADDER BARS PER SCDOT DRAWING 625-305-00. (TYP)

24" WHITE STOPBAR PER SCDOT DRAWING 625-305-00. (TYP)

MATCHLINE: SEE SHEET C-4

LOGAN STREET SIDEWALK EXTENSION
PROPOSED - PAVEMENT MARKINGS & SIGNAGE
TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

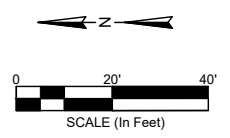
DESIGN	MRK	BRH	JOB#	ISSUE	DATE	ISSUE	BID
			17-1007-039	NOVEMBER	2024		

FOUR WATERS ENGINEERING
324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
844-414-2400 S.C. COA # 51661 WWW.4WENG.COM

DRAWING NUMBER
C-3

- NOTES:
1. CONTRACTOR TO REFER TO CURRENT SCDOT STANDARDS FOR ALL CONSTRUCTION WITHIN SCDOT RIGHT-OF-WAY.
 2. REMOVE AND REPLACE EXISTING SIDEWALK RAMPS THAT DO NOT MEET ADA STANDARDS WITH ADA COMPLIANT SIDEWALK RAMPS.
 3. CONTRACTOR TO VERIFY PROPERTY CORNERS TO ENSURE SIDEWALK IS LOCATED WITHIN ROW

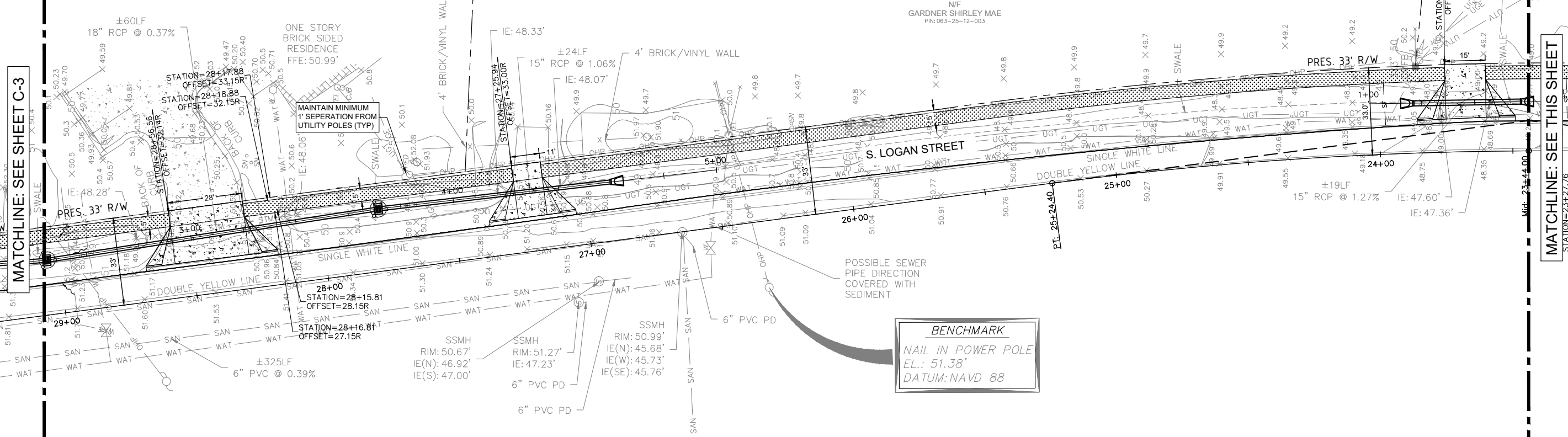
N/F
NEW LOGAN LANE
APARTMENTS LLC
PIN: 063-25-12-021
(LOGAN LANE APARTMENTS)



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MATCHLINE: SEE SHEET C-3

MATCHLINE: SEE THIS SHEET

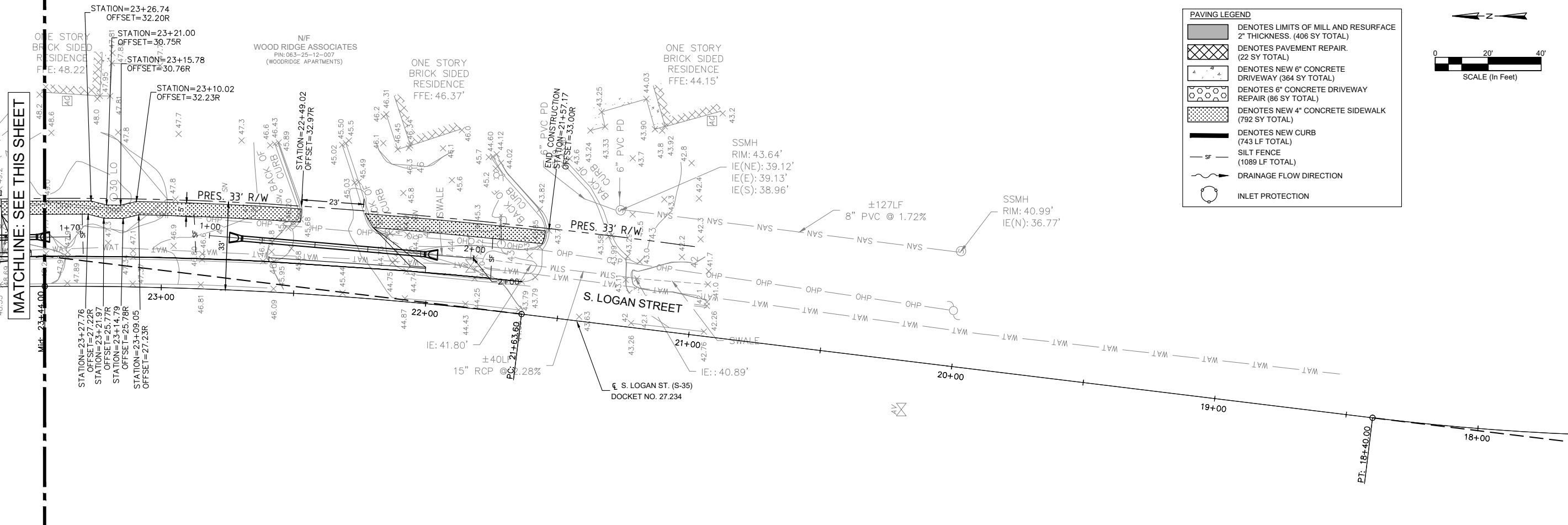


BENCHMARK
NAIL IN POWER POLE
EL.: 51.38'
DATUM: NAVD 88

REV/NO	DATE	DRWN/CHK BY	DESCRIPTION
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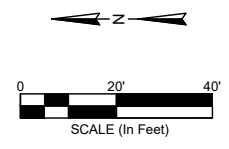
MATCHLINE: SEE THIS SHEET

LOGAN STREET SIDEWALK EXTENSION
PROPOSED - PAVEMENT MARKINGS & SIGNAGE
TOWN OF RIDGELAND, SOUTH CAROLINA



PAVING LEGEND

- DENOTES LIMITS OF MILL AND RESURFACE 2" THICKNESS. (406 SY TOTAL)
- DENOTES PAVEMENT REPAIR. (22 SY TOTAL)
- DENOTES NEW 6" CONCRETE DRIVEWAY (364 SY TOTAL)
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- DENOTES NEW CURB (743 LF TOTAL)
- SILT FENCE (1089 LF TOTAL)
- DRAINAGE FLOW DIRECTION
- INLET PROTECTION



DESIGN MRK	DRWN BRH	DATE	ISSUE
		NOVEMBER 2024	

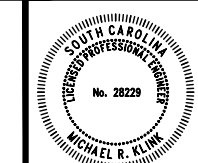
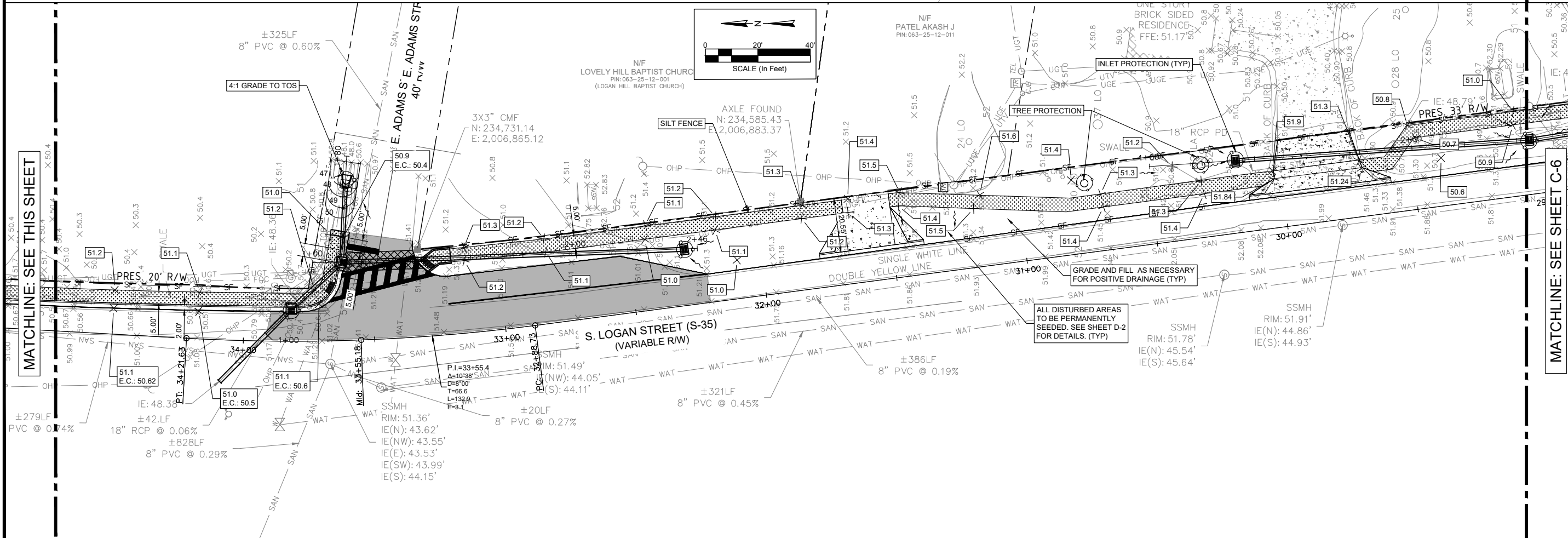
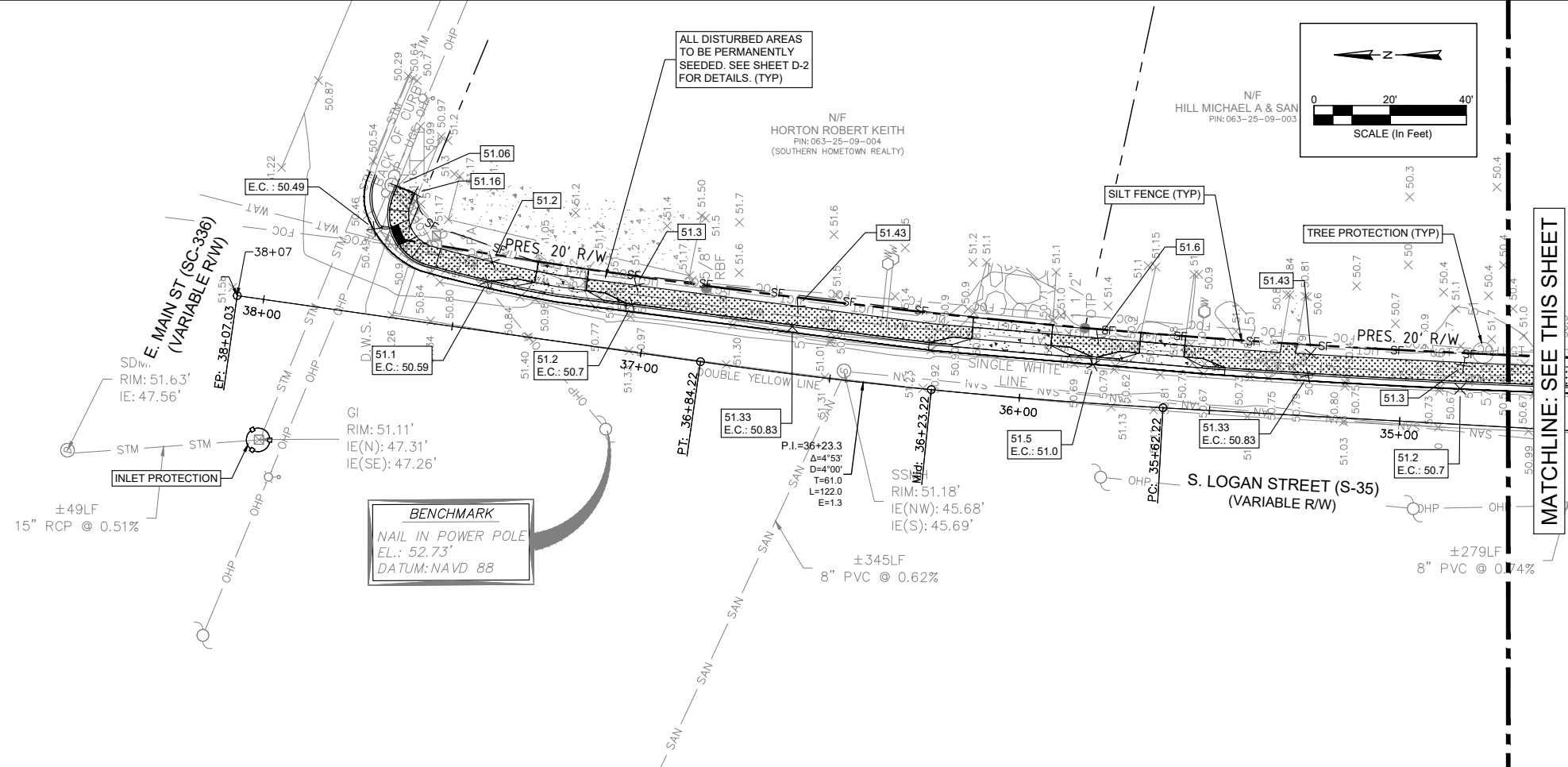
FOUR WATERS ENGINEERING
324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
844-414-2400 S.C. COA # 51661 WWW.4WENG.COM

DRAWING NUMBER
C-4

- NOTES:
- CONTRACTOR TO REFER TO CURRENT SCDOT STANDARDS FOR ALL CONSTRUCTION WITHIN SCDOT RIGHT-OF-WAY.
 - REMOVE AND REPLACE EXISTING SIDEWALK RAMPS THAT DO NOT MEET ADA STANDARDS WITH ADA COMPLIANT SIDEWALK RAMPS.
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- SILT FENCE (1089 LF TOTAL)
- DRAINAGE FLOW DIRECTION
- INLET PROTECTION



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REV/NO	DATE	DRWN/CHKD BY	DESCRIPTION
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LOGAN STREET SIDEWALK EXTENSION
PROPOSED -GRADING
 TOWN OF RIDGELAND,
 RIDGELAND, SOUTH CAROLINA

DESIGN DRAWN: BRH
 MRK: BRH
 JOB # 17-1007-039
 ISSUE DATE: NOVEMBER 2024
 ISSUE BID

FOUR WATERS ENGINEERING
 324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
 844-414-2400 S.C. COA # 51661 WWW.4WENG.COM

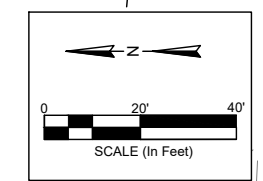
DRAWING NUMBER
C-5

- NOTES:
1. CONTRACTOR TO REFER TO CURRENT SCDOT STANDARDS FOR ALL CONSTRUCTION WITHIN SCDOT RIGHT-OF-WAY.
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 3. CONTRACTOR TO VERIFY PROPERTY CORNERS TO ENSURE SIDEWALK IS LOCATED WITHIN ROW

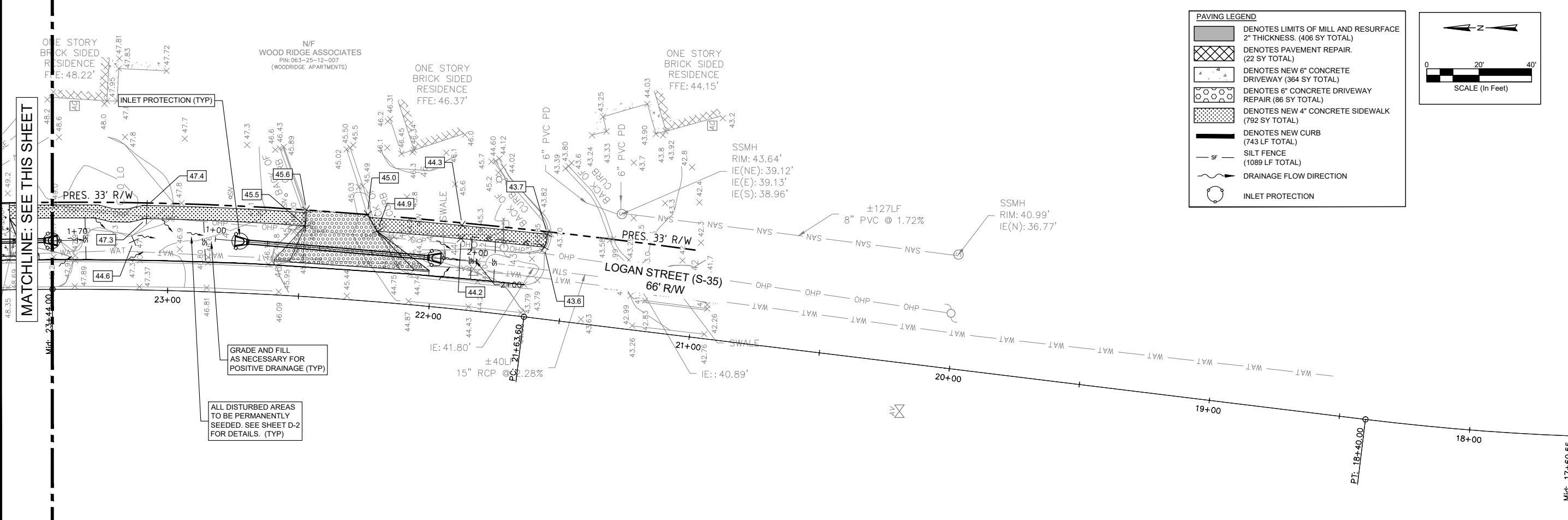
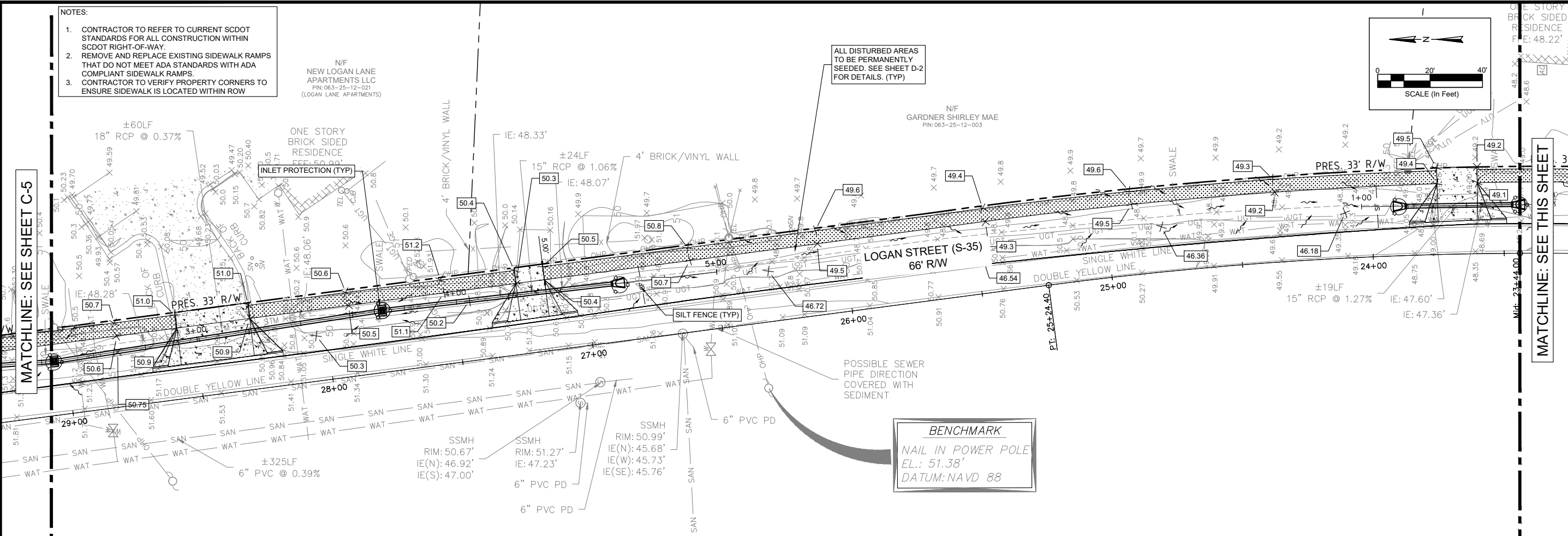
N/F
NEW LOGAN LANE
APARTMENTS LLC
PIN: 063-25-12-021
(LOGAN LANE APARTMENTS)

ALL DISTURBED AREAS
TO BE PERMANENTLY
SEEDED. SEE SHEET D-2
FOR DETAILS. (TYP)

BENCHMARK
NAIL IN POWER POLE
EL.: 51.38'
DATUM: NAVD 88

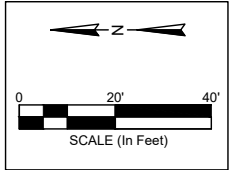


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PAVING LEGEND

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	DENOTES PAVEMENT REPAIR. (22 SY TOTAL)
	DENOTES NEW 6" CONCRETE DRIVEWAY (364 SY TOTAL)
	DENOTES 6" CONCRETE DRIVEWAY REPAIR (86 SY TOTAL)
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	DENOTES NEW CURB (743 LF TOTAL)
	SILT FENCE (1089 LF TOTAL)
	DRAINAGE FLOW DIRECTION
	INLET PROTECTION



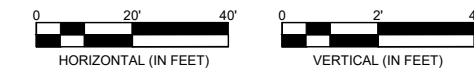
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LOGAN STREET SIDEWALK EXTENSION
PROPOSED - GRADING
TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

DESIGN	MRK	BRH	JOB #	ISSUE	DATE	ISSUE	BID
			17-1007-039 <td>NOVEMBER <td>2024 <td></td> <td></td> </td></td>	NOVEMBER <td>2024 <td></td> <td></td> </td>	2024 <td></td> <td></td>		

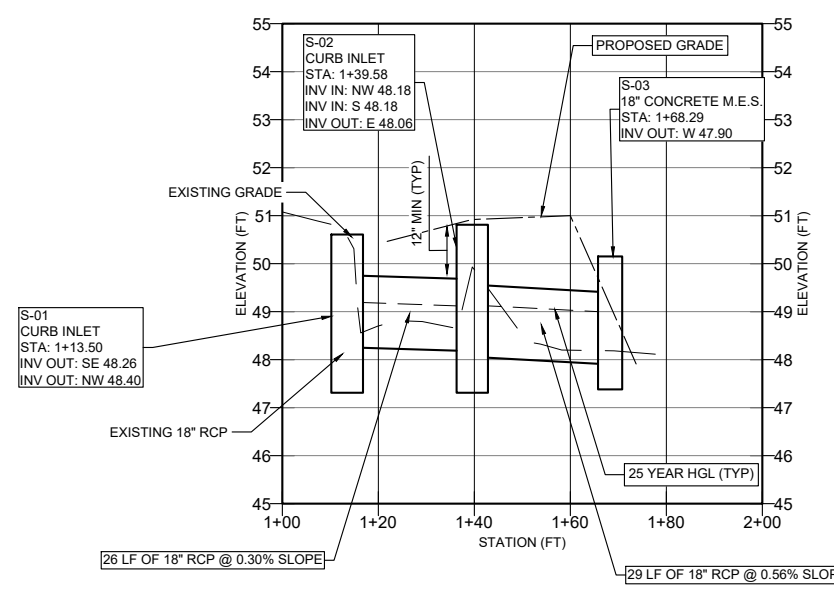
FOUR WATERS ENGINEERING
324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
844-414-2400 S.C. COA # 51661 WWW.FWENG.COM

DRAWING NUMBER
C-6

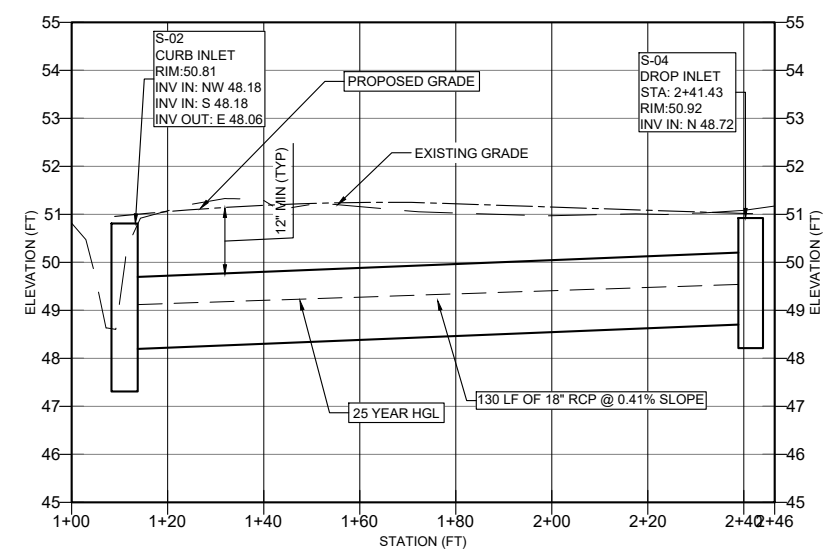


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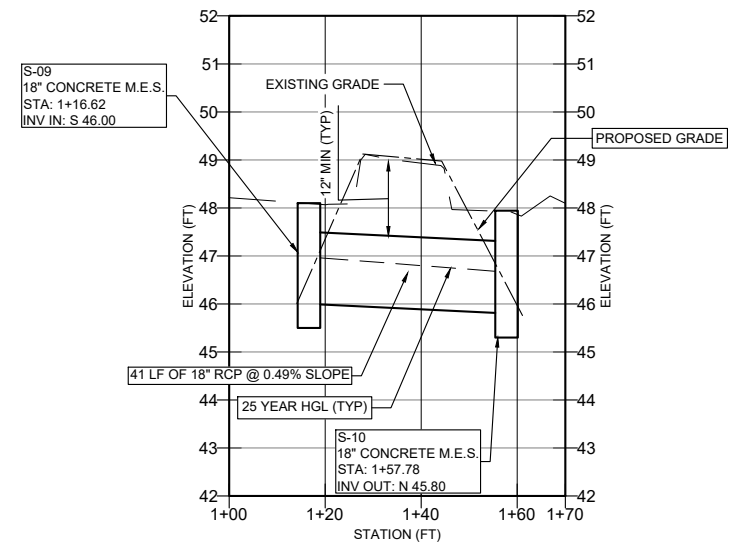
LOGAN STREET & E. ADAMS STREET NE PROFILE
FROM STA:1+00.00 TO STA: 2+00.00



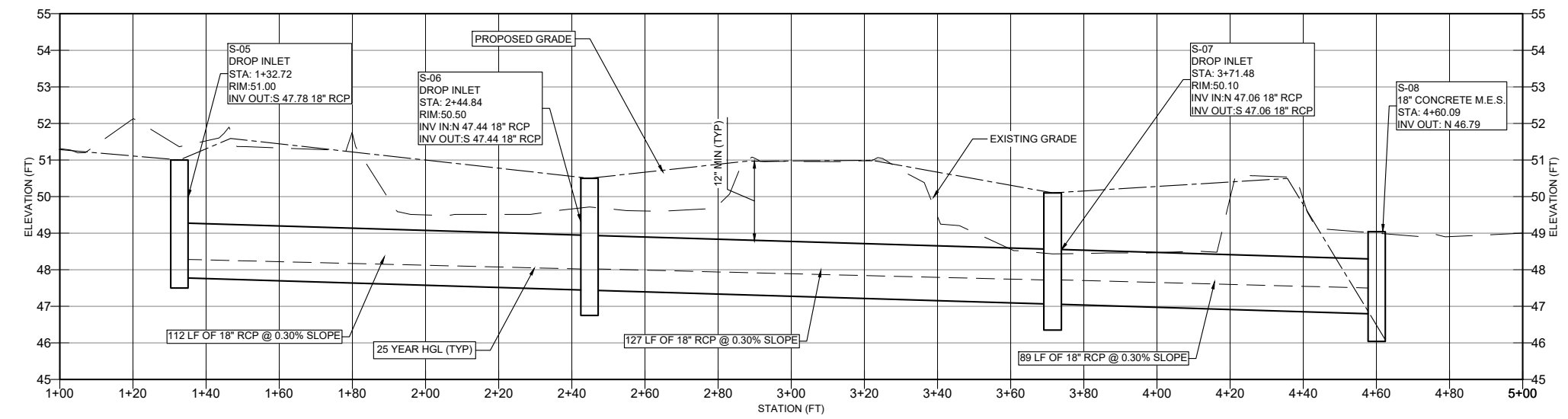
LOGAN STREET & E. ADAMS STREET SE PROFILE
FROM STA:1+00.00 TO STA: 2+46.41



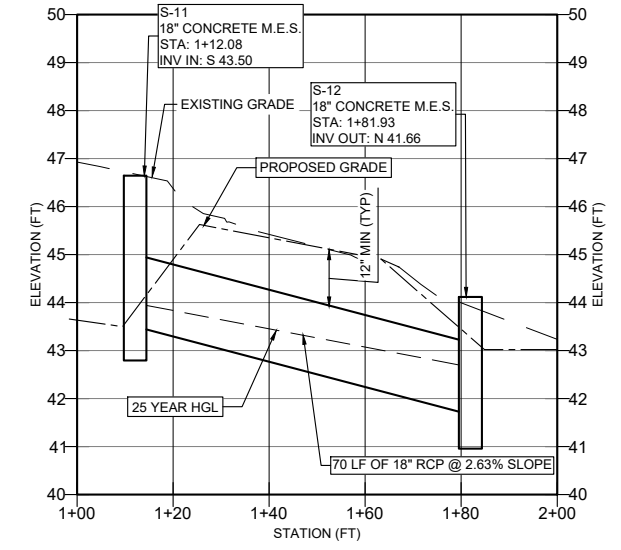
WOODRIDGE APARTMENTS NORTH PROFILE
FROM STA:1+00.00 TO STA: 1+70.03



LOGAN LANE APARTMENTS PROFILE
FROM STA:1+00.00 TO STA: 5+00.01



WOODRIDGE APARTMENTS SOUTH PROFILE
FROM STA:1+00.00 TO STA: 2+00.00



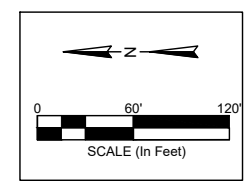
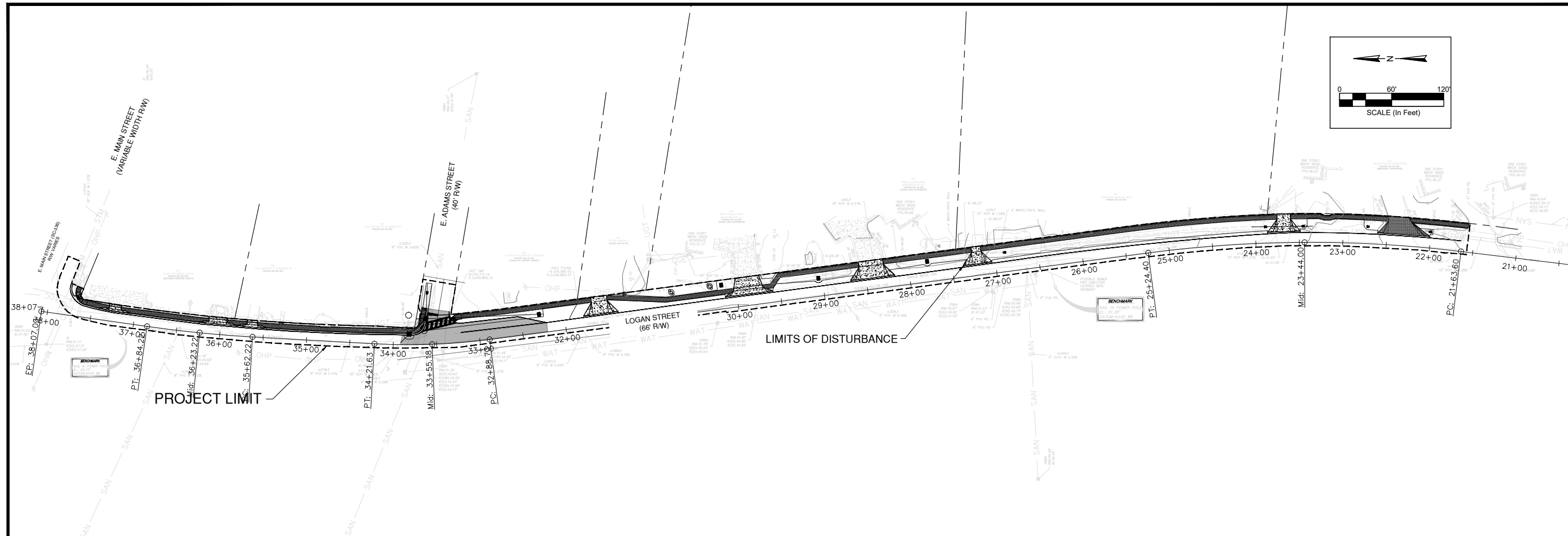
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LOGAN STREET SIDEWALK EXTENSION
PROPOSED - STORM PIPE PROFILES
 TOWN OF RIDGELAND,
 RIDGELAND, SOUTH CAROLINA

DESIGN	DRWN	BRH	BRH
MRK	17-007-039	NOVEMBER	2024
JOB #	ISSUE	DATE	ISSUE

FOUR WATERS ENGINEERING
 JACKSONVILLE BEACH, FLORIDA 32250
 S.C. COA # 51661 WWW.FWENG.COM

DRAWING NUMBER
C-7



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REV/NO	DATE	DESCRIPTION
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LOGAN STREET SIDEWALK EXTENSION

PROJECT LIMITS AND LIMITS OF DISTURBANCE

TOWN OF RIDGELAND, RIDGELAND, SOUTH CAROLINA

PROJECT LIMIT AND LAND DISTURBANCE LIMITS

SCDHEC SEDIMENT AND EROSION CONTROL STANDARD NOTES

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - 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, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED 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 SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- 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 SCR10000.
- 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 CAN'T 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, INSPECTIONS 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;
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
- 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, INSPECTIONS 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 EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, 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 HAS APPROVED OTHERWISE.

PLANNED SEQUENCE OF OPERATIONS:

- CLEARING AND GRUBBING OF AREAS NECESSARY FOR INSTALLATION OF SILT FENCE AND INLET PROTECTION PER CONSTRUCTION PLANS.
- INSTALLATION OF SEWER MAIN AND SEWER LATERALS PER CONSTRUCTION PLANS
- REPAVEMENT OF PROPOSED IMPROVEMENTS PER CONSTRUCTION PLANS
- INSTALLATION OF HYDROSEEDING AND/OR SOD FOR PERMANENT STABILIZATION OF DISTURBED AREAS.
- MAINTAIN GRASS SURFACE.
- REMOVE TEMPORARY SEDIMENT CONTROL FEATURES ONCE FINAL STABILIZATION IS OBTAINED.

PROJECT LIMITS NOTES:

PROJECT LIMITS DETERMINED BY RIGHT-OF-WAY DIMENSIONS AS SPECIFIED AND SHOWN ON DRAWINGS.

PROJECT LIMIT AREAS:
APPROX 1.32 ACRES

LAND DISTURBANCE LIMITS BASED ON PROJECT IMPROVEMENTS AND CONSTRUCTION RELATED ITEMS (DOES NOT INCLUDE MAINTENANCE OF ROADWAYS).

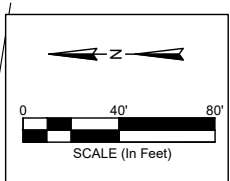
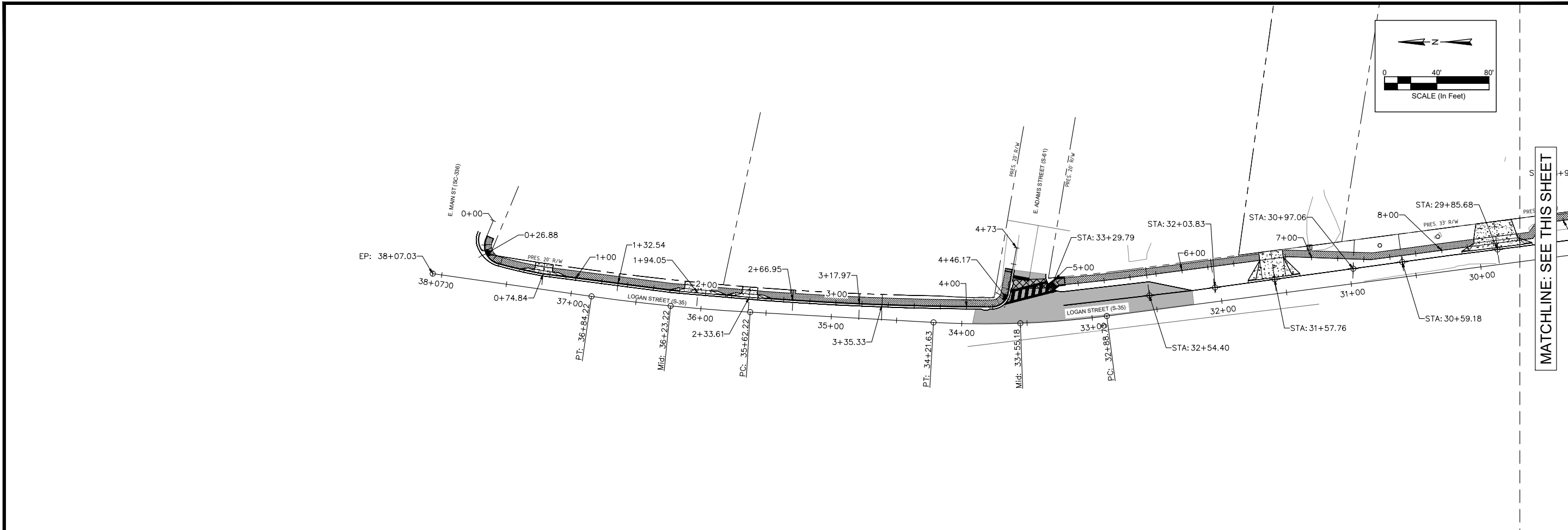
LAND DISTURBANCE AREAS:
APPROX 0.49 ACRES

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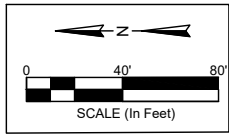
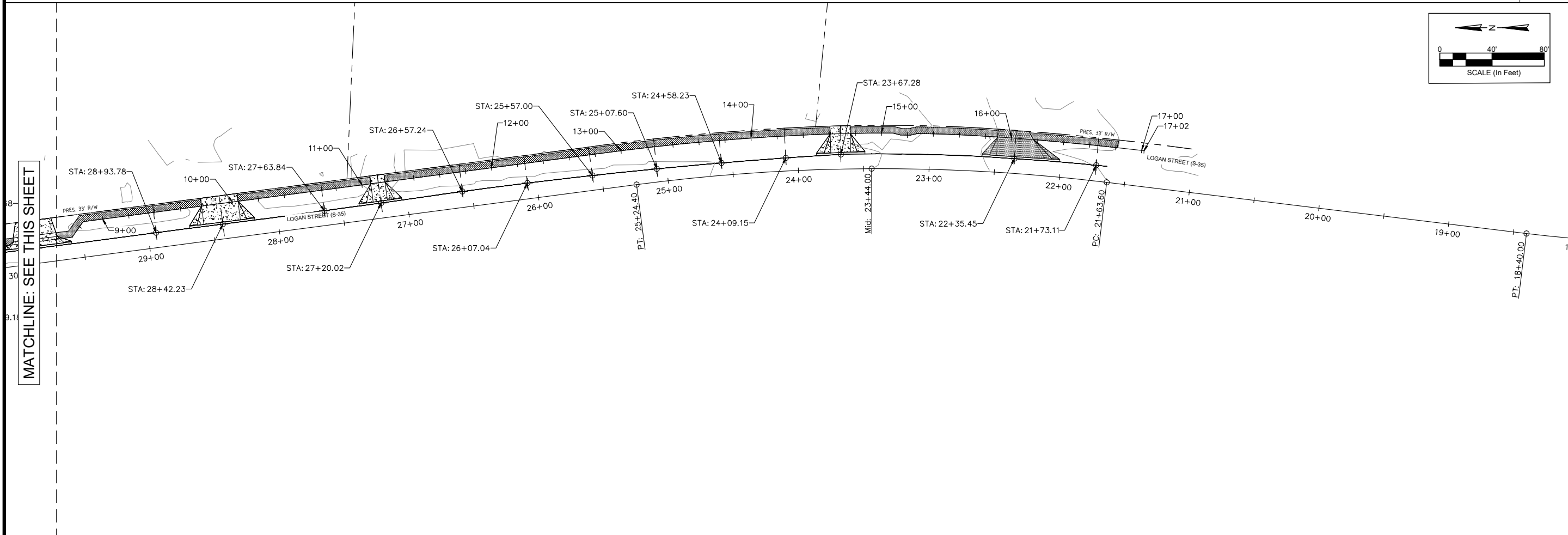
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MATCHLINE: SEE THIS SHEET

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LOGAN STREET SIDEWALK EXTENSION
TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

SIDEWALK CROSS SECTION- KEY MAP

MATCHLINE: SEE THIS SHEET

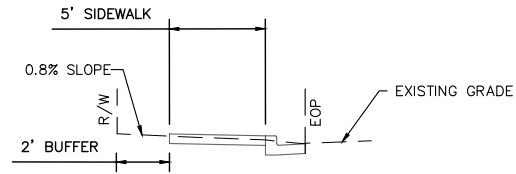
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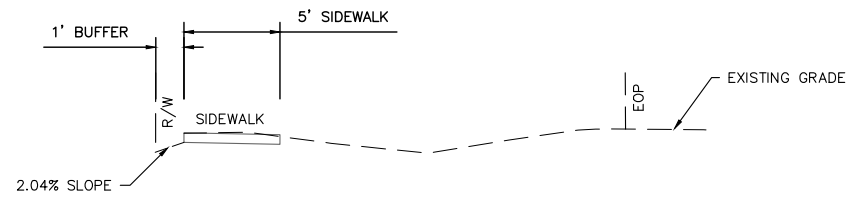
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TYPICAL SIDEWALK SECTION

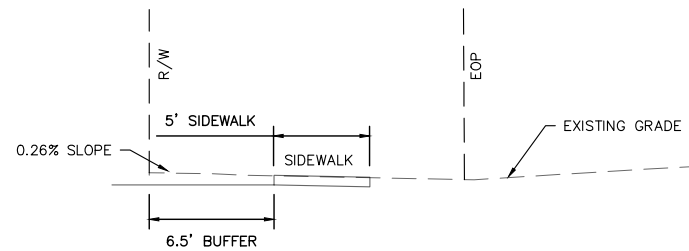
LOGAN ST (S-35)
STA LIMITS: 37+77.14 TO 33+58.57



LOGAN ST (S-35)
STA LIMITS: 33+33.15 TO 30+82.81
STA LIMITS: 29+57.90 TO 21+58.59



LOGAN ST (S-35)
STA: 30+82.81 TO 29+57.90



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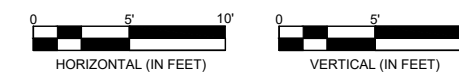
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LOGAN STREET SIDEWALK EXTENSION
TYPICAL SIDEWALK SECTION
TOWN OF RIDGELAND, SOUTH CAROLINA

DESIGN MRK	DRAWN BRH	JOB #	ISSUE DATE	ISSUE	BID
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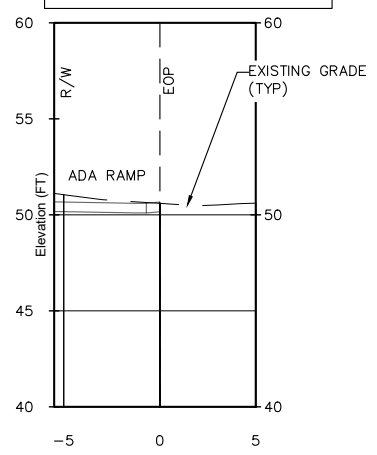
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C-11

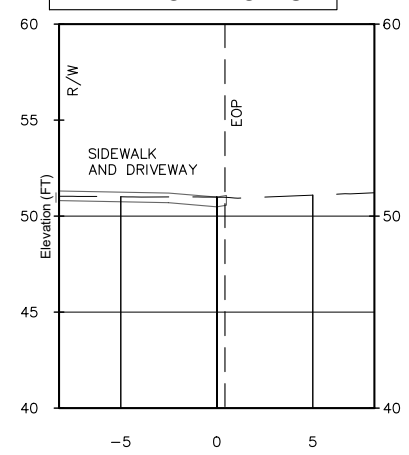


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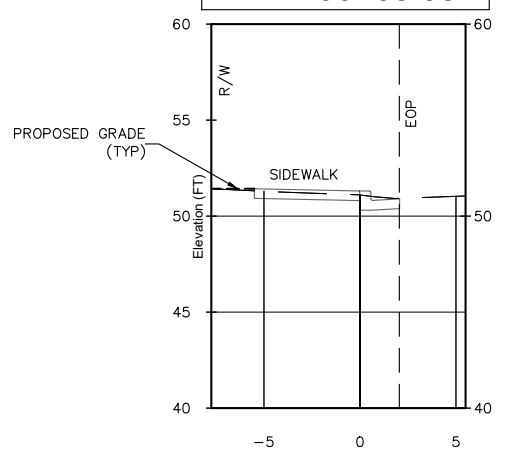
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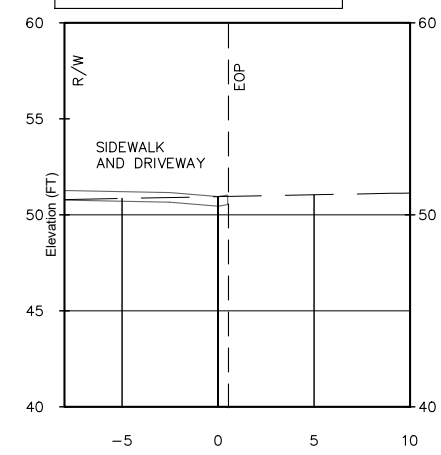
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STA: 37+23.18



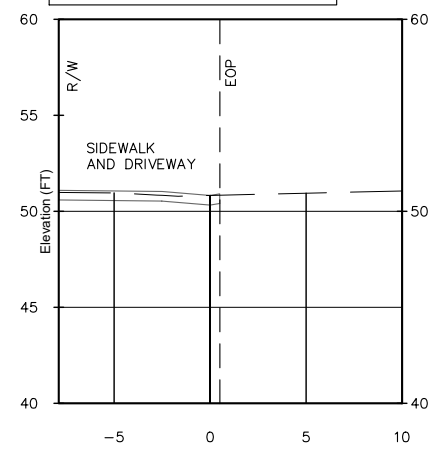
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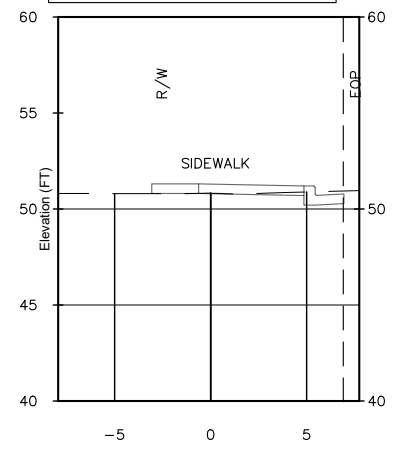
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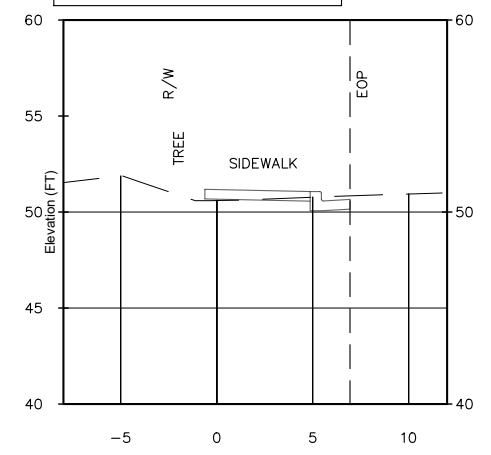
LOGAN ST (S-35)
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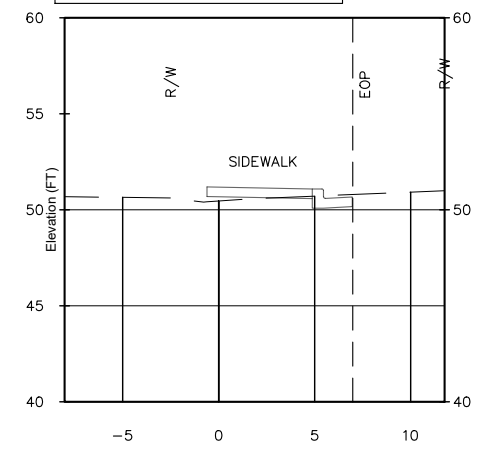
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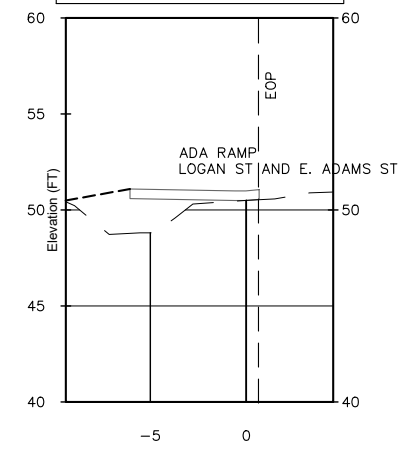
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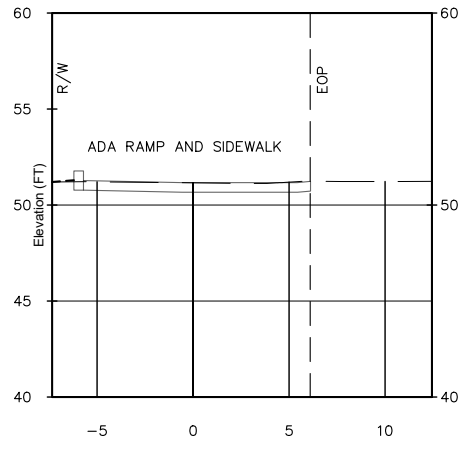
LOGAN ST (S-35)
STA: 34+61.69



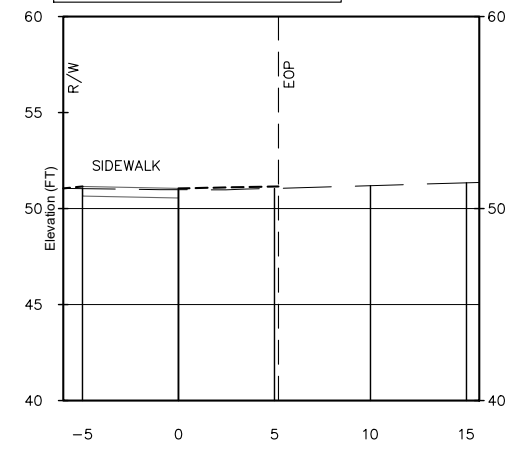
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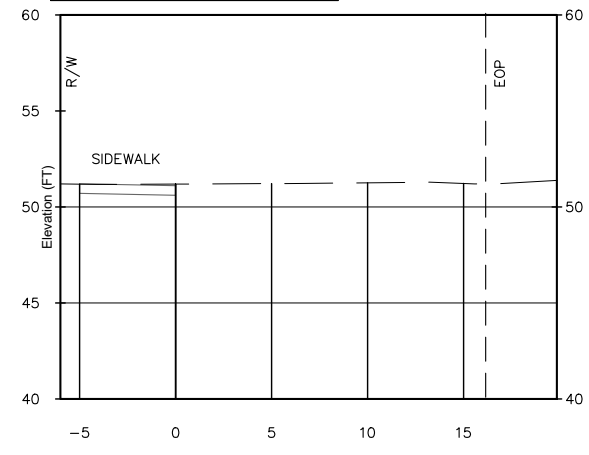
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STA: 33+29.79



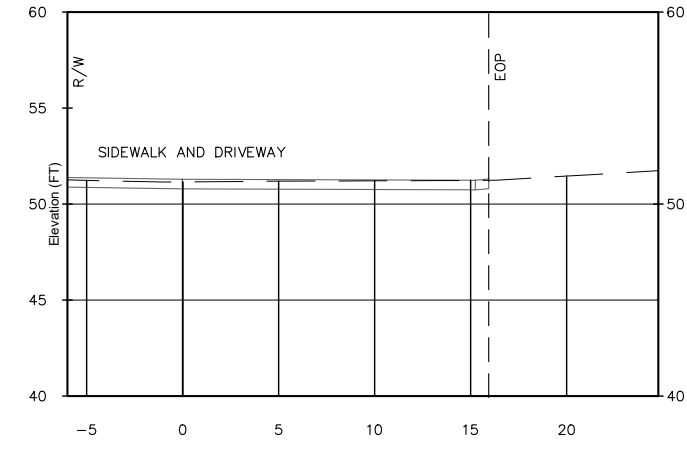
LOGAN ST (S-35)
STA: 32+54.40



LOGAN ST (S-35)
STA: 32+03.83



LOGAN ST (S-35)
STA: 31+57.76



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LOGAN STREET SIDEWALK EXTENSION
SIDEWALK CROSS SECTION
TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

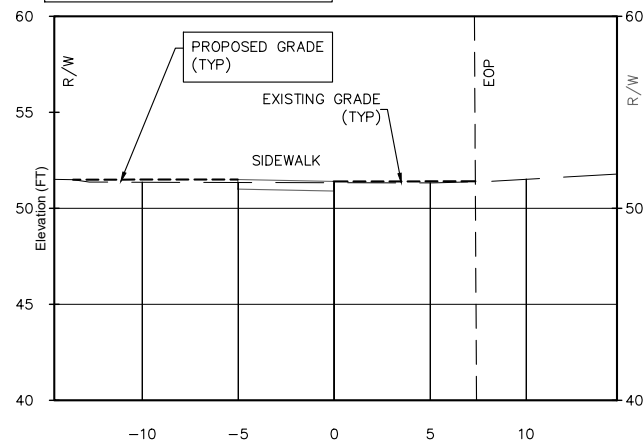
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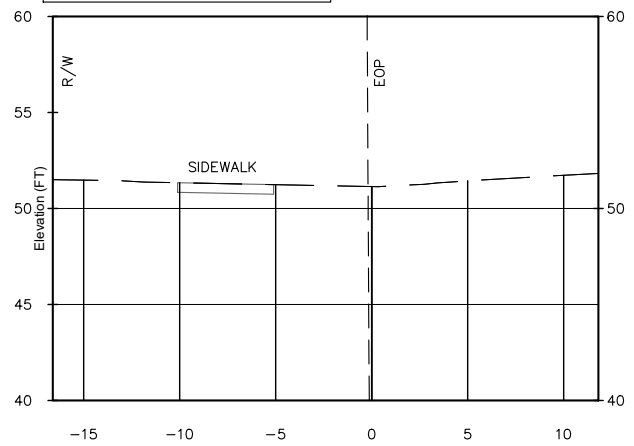
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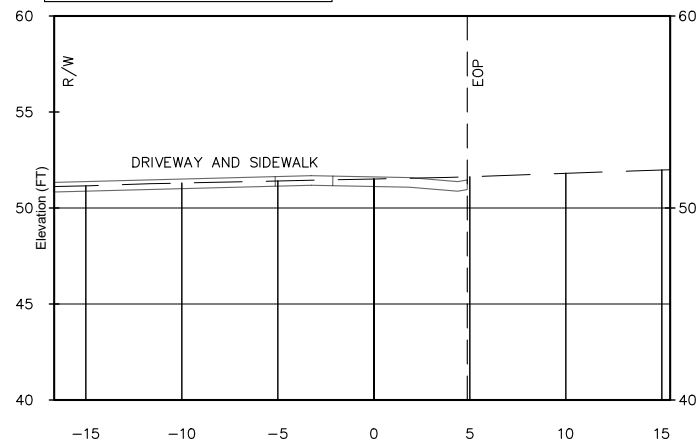
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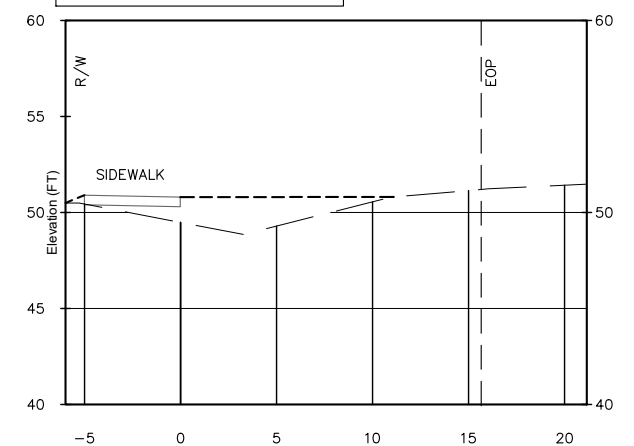
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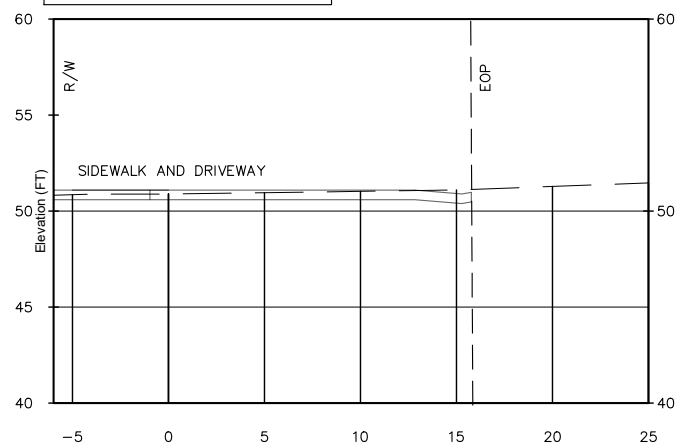
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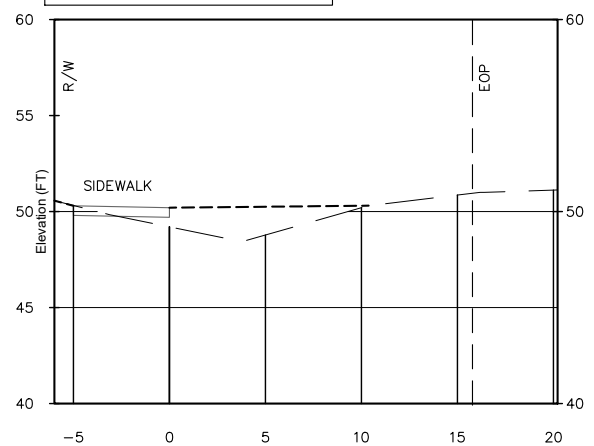
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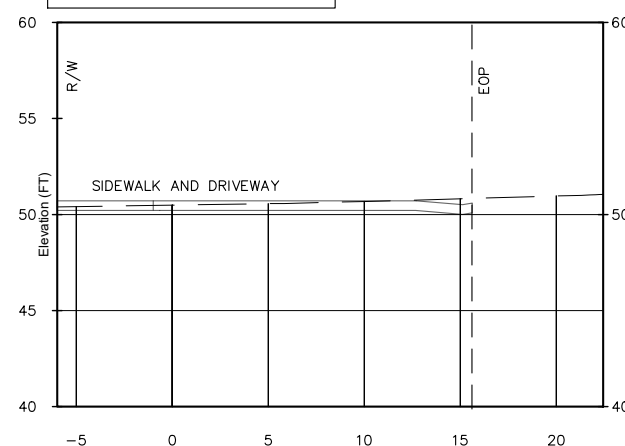
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STA: 28+42.23



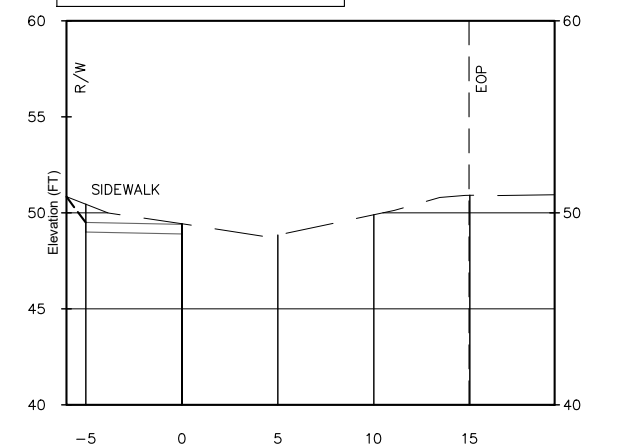
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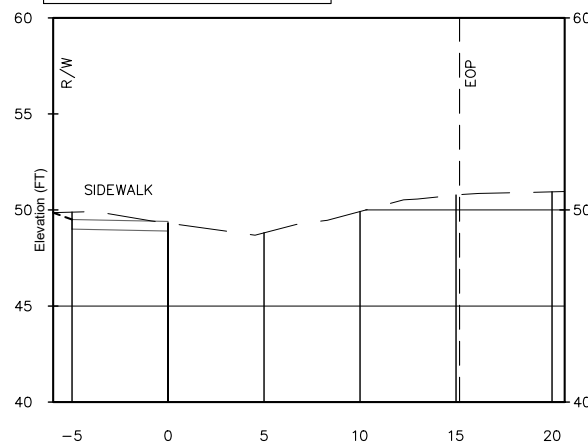
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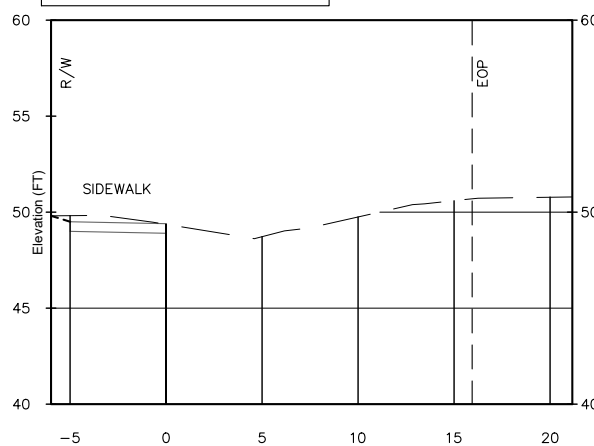
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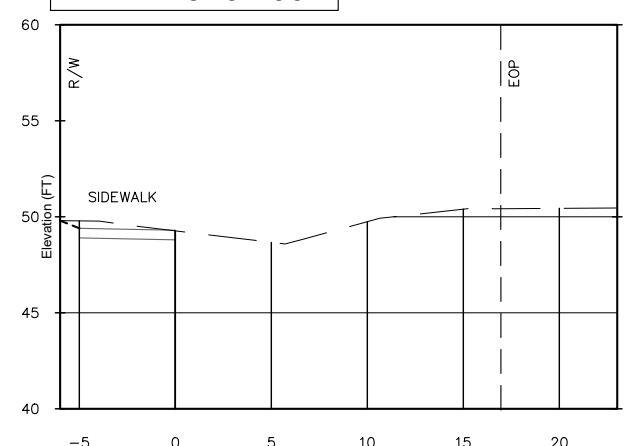
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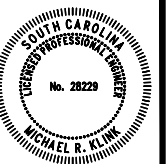
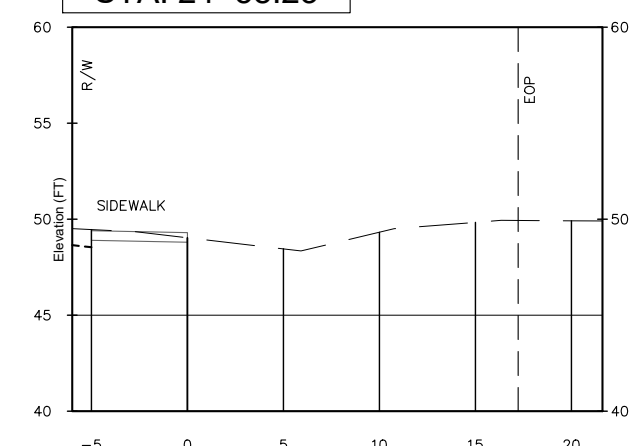
LOGAN ST (S-35)
STA: 25+70.37



LOGAN ST (S-35)
STA: 25+07.60



LOGAN ST (S-35)
STA: 24+58.23



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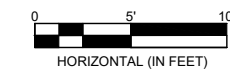
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LOGAN STREET SIDEWALK EXTENSION
SIDEWALK CROSS SECTION
TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

DESIGN MRK	DRAWN BRH	JOB #	ISSUE DATE	ISSUE	BD
		17-1007-039	NOVEMBER 2024		

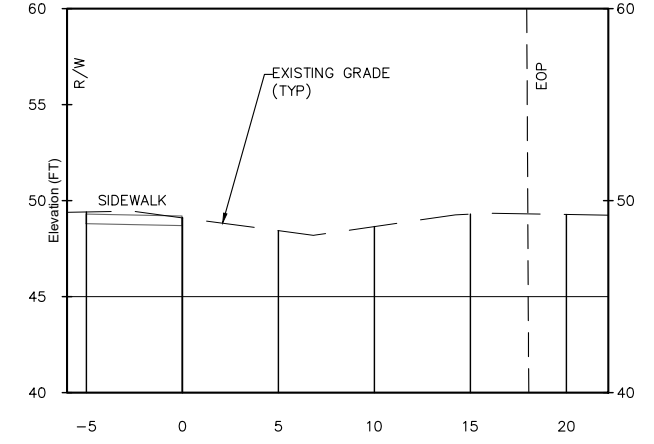
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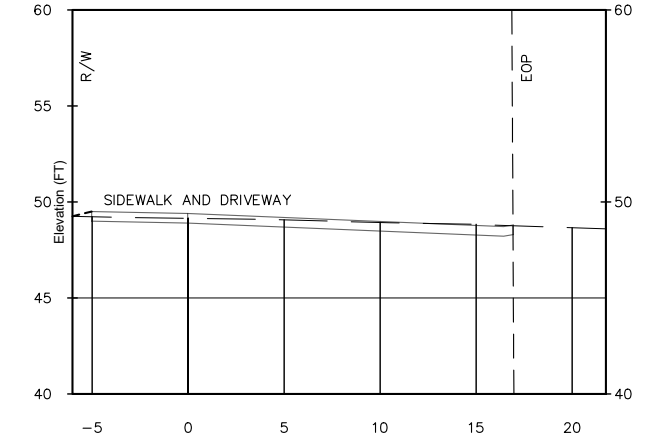


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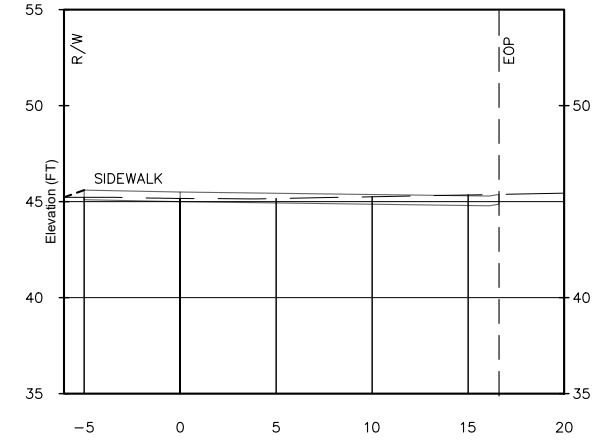
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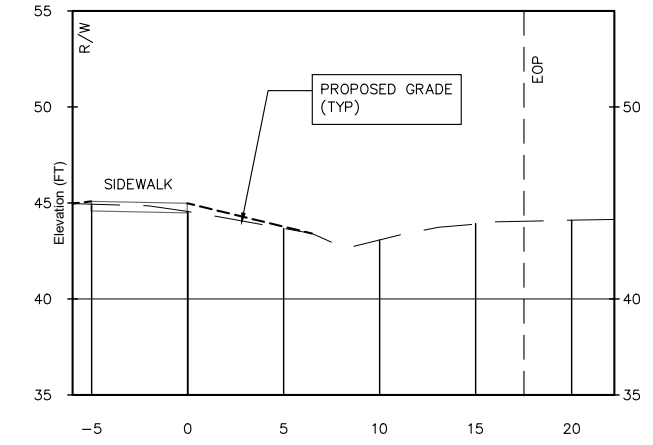
LOGAN ST (S-35)
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LOGAN ST (S-35)
STA: 22+35.45



LOGAN ST (S-35)
STA: 21+73.11



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LOGAN STREET SIDEWALK EXTENSION
SIDEWALK CROSS SECTION
TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

DESIGN MRK	DRAWN BRH	JOB #	ISSUE DATE	ISSUE	BD
		17-1007-039 <td>NOVEMBER 2024 <td></td> <td></td> </td>	NOVEMBER 2024 <td></td> <td></td>		

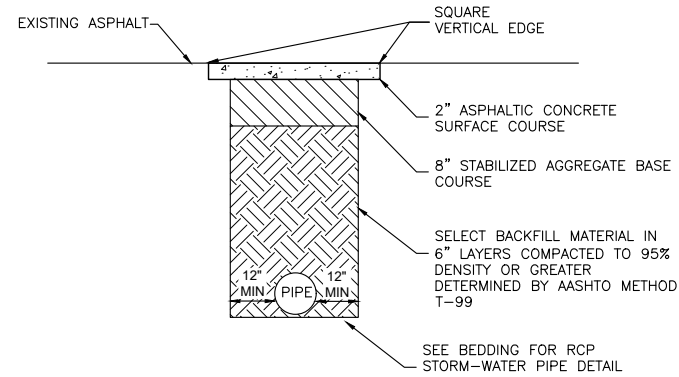
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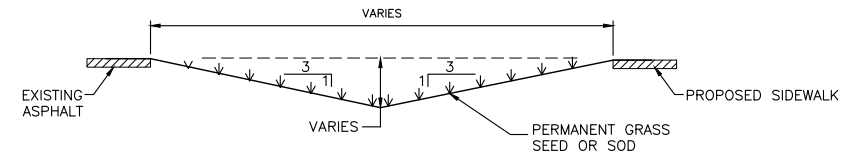
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OPEN CUT REPAIR FOR LOW VOLUME ASPHALT



- NOTES:
1. COMPACTION TESTS TO BE CONDUCTED BY A GEOTECHNICAL PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA AND SUBMITTED TO THE TOWN AND SCDOT FOR REVIEW AND APPROVAL PRIOR TO PAVING.
 2. COMPACTION TESTS SHALL BE CONDUCTED ON EACH STREET AT LOGAN STREET AND E ADAMS ST ABOVE THE PIPE INSTALLATION.

SCDOT PAVEMENT REPAIR
NOT TO SCALE



TYPICAL SWALE DETAIL
NOT TO SCALE

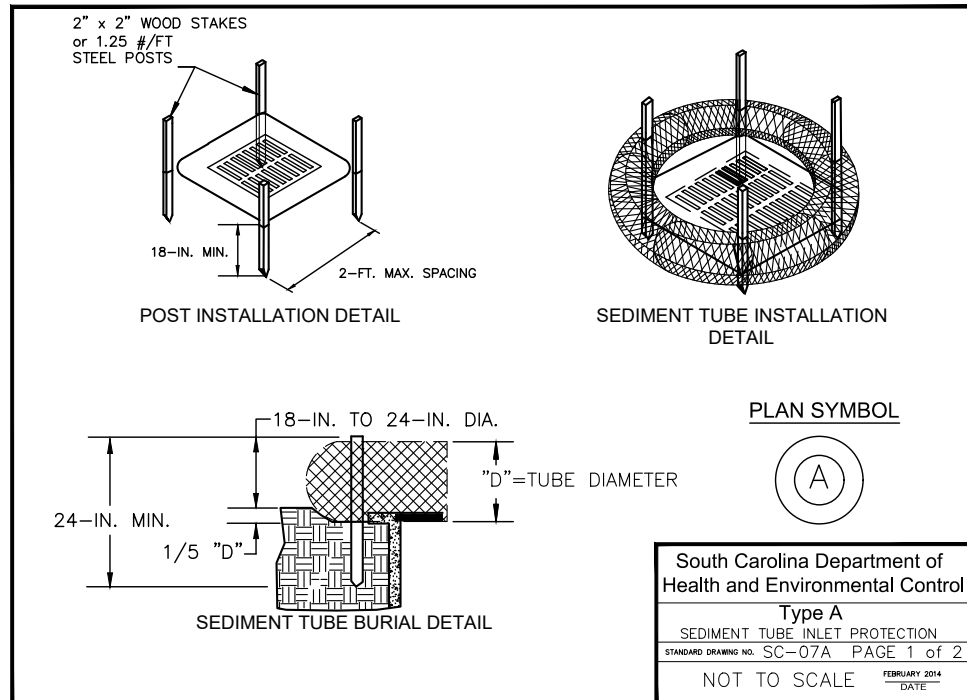
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LOGAN STREET SIDEWALK EXTENSION
DETAILS
TOWN OF RIDGELAND,
RIDGELAND, SOUTH CAROLINA

DESIGN MRK	BRH	17-1007-039
JOB #	ISSUE DATE	NOVEMBER 2024
	ISSUE	BID

FOUR WATERS ENGINEERING
324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250
844-414-2400 S.C. COA # 51661 WWW.FWENG.COM

DRAWING NUMBER
D-1



TYPE A – FILTER FABRIC REQUIREMENTS

- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
 - Free of any treatment or coating which might adversely alter its physical properties after installation;
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
 - Have a minimum width of 36-inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- Filter fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
- Filter fabric shall be installed at a minimum of 24-inches above the ground.

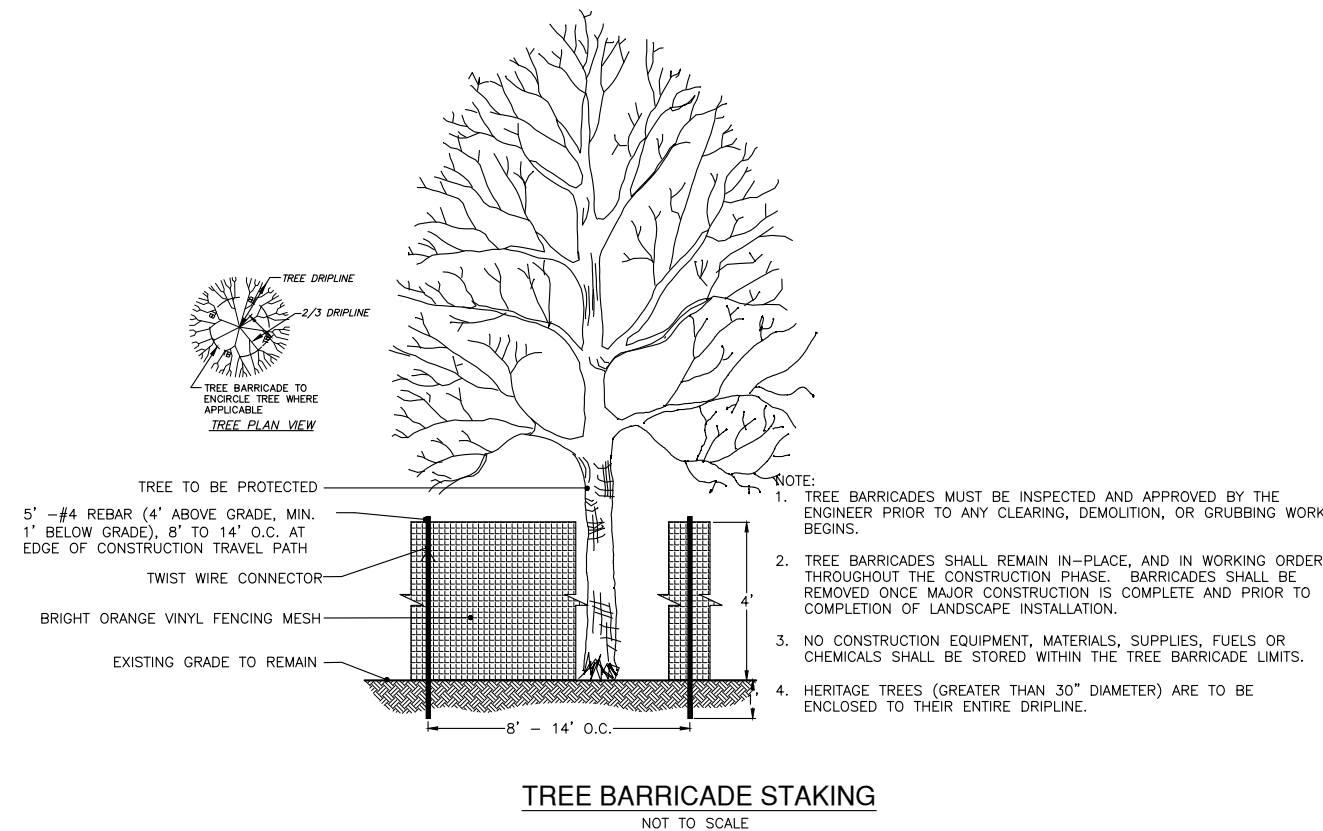
TYPE A – POST REQUIREMENTS

- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%)
- Posts shall be equipped with projections to aid in fastening of filter fabric.
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2- inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 3-feet on center.

TYPE A – INSPECTION & MAINTENANCE

- The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
- Regular inspections of inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
- Attention to sediment accumulations along the filter fabric is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
- Remove accumulated sediment when it reaches 1/3 the height of the filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the sump.
- Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overtopping the inlet protection.
- Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Removed damaged fabric and reinstall new filter fabric immediately.
- Inlet protection structures should be removed after all the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

South Carolina Department of Health and Environmental Control
Type A
FILTER FABRIC INLET PROTECTION
STANDARD DRAWING NO. SC-07 PAGE 2 of 2
GENERAL NOTES FEBRUARY 2014 DATE



SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SANDY, DROUGHTY SITES													
BROWNTOP MILLET	10 LBS/AC												
BAHIA GRASS	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BAHIA GRASS	30 LBS/AC												
SERICEA LESPEDEZA	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
ATLANTIC COASTAL PANICGRASS	15 LBS/AC PLS												
BROWNTOP MILLET	10 LBS/AC												
SWITCHGRASS (ALAMO)	8 LBS/AC PLS												
LITTLE BLUESTEM	4 LBS/AC												
SERICEA LESPEDEZA	20 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
WEEPING LOVEGRASS	8 LBS/AC												
WELL DRAINED, CLAYEY/LOAMEY SITES													
BROWNTOP MILLET	10 LBS/AC												
BAHIA GRASS	40 LBS/AC												
RYE, GRAIN	10 LBS/AC												
BAHIA GRASS	40 LBS/AC												
CLOVER, CRIMSON (ANNUAL)	5 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BERMUDA, COMMON	10 LBS/AC												
SERICEA LESPEDEZA	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BERMUDA, COMMON	12 LBS/AC												
KOBE LESPEDEZA (ANNUAL)	10 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
BAHIA GRASS	20 LBS/AC												
BERMUDA, COMMON	6 LBS/AC												
SERICEA LESPEDEZA	40 LBS/AC												
BROWNTOP MILLET	10 LBS/AC												
SWITCHGRASS	8 LBS/AC												
LITTLE BLUESTEM	3 LBS/AC PLS												
INDIAN GRASS	3 LBS/AC PLS												

PERMANENT SEEDING-COASTAL DETAIL
NOT TO SCALE



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South Carolina Department of Health and Environmental Control
Type A
FILTER FABRIC INLET PROTECTION
STANDARD DRAWING NO. SC-07 PAGE 2 of 2
GENERAL NOTES FEBRUARY 2014 DATE

LOGAN STREET SIDEWALK EXTENSION
DETAILS
TOWN OF RIDGELAND, RIDGELAND, SOUTH CAROLINA

DESIGN MRK	DRAWN BRH	JOB #	ISSUE DATE	ISSUE	BID
		17-1007-039 <td>NOVEMBER 2024 <td></td> <td></td> </td>	NOVEMBER 2024 <td></td> <td></td>		

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SCDOT REFERENCE DRAWINGS	
DRAWING	DRAWING TITLE
625-305-01	STANDARD MARKINGS FOR INTERSECTIONS
625-310-00	TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
651-115-01	STANDARD SIGNS
714-005-00	PIPE CULVERTS (PIPE TRENCH TYPICAL PREPARATIONS)
719-001-01	CATCH BASIN TYPE 1 DETAILS
719-001-02	CATCH BASIN TYPE 1 INLET ADAPTER
719-001-03	CATCH BASIN TYPE 1 MEDIAN INSTALLATION
719-001-04	CATCH BASIN TYPE 1 CASTING
719-001-05	CATCH BASIN TYPE 1 CASTING
719-105-01	DROP INLET (24"x24") DETAILS
719-105-02	DROP INLET (24"x24") INLET ADAPTER
719-615-00	END TREATMENT (PIPE END STRUCTURE WITH LOAD CARRYING GRATE FOR 12" - 72" PIPES)
720-105-01	CURB & GUTTER (CONCRETE)
720-150-00	SIDEWALK ADJACENT TO CURB
720-155-00	SIDEWALK WITH GRASS STRIP ADJACENT TO CURB
720-405-00	DRIVEWAY WITH SIDEWALK ADJACENT TO CURB
720-410-00	DRIVEWAY WITH SEPARATED SIDEWALK WITHIN 7' - 4 3/4" OF CURB
720-415-00	DRIVEWAY WITH SEPARATED SIDEWALK BEYOND 7' - 4 3/4" OF CURB
720-910-01	DETECTABLE WARNING MATERIAL WET INSET MECHANICAL ANCHORS & THREADED INSERTS
720-910-02	DETECTABLE WARNING MATERIAL WET INSET (EMBEDDED FINS)
720-919-01	DETECTABLE WARNING SURFACE DRY BONDED W/ADHESIVE AND CONCRETE SCREW ANCHORS RETROFIT ONLY
720-920-10	PEDESTRIAN RAMPS OFFSET INTERSECTION
815-001-01	TYPE A INLET STRUCTURE FILTERS
815-205-00	SEDIMENT TUBE DITCH APPLICATION
815-605-00	TEMPORARY SILT FENCE
SCDOT TG-31	PLACEMENT OF STOP LINES AND STOP SIGNS AT UNSIGNALIZED INTERSECTIONS

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LOGAN STREET SIDEWALK EXTENSION
DETAILS - SCDOT REFERENCES
 TOWN OF RIDGELAND,
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D-3