

GENERAL NOTES:

- CONTRACTOR SHALL NOTIFY ESCAMBIA COUNTY DESIGNEE AND/OR COUNTY INSPECTOR 48 HOURS PRIOR TO COMMENCEMENT OF THIS PROJECT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WIPE OUT OR ADJUST THE CROWN WHERE SO NOTED BY THE ENGINEER AND/OR REQUIRED FOR POSITIVE DRAINAGE.
- PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWERS, WATER, OR GAS PIPES, CONDUITS, RAILROAD TRACK, POLES, WALLS, POSTS, BRIDGES, ETC., ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISPLACED, UNLESS NOTED.
- THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, GAS, SEWER, TELEPHONE, AND POWER COMPANIES 10 DAYS IN ADVANCE, THAT HE INTENDS TO START WORK IN A SPECIFIC AREA. THE OWNER DISCLAIMS ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS, WATER PIPES, GAS PIPES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE, OR RIGHT-OF-WAY.
- LOCATION OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION BEFORE CONSTRUCTION. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITIES, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PRESERVING AND PROTECTING SAID UTILITY OR STRUCTURES.
- THE DEVELOPER/ CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION. CONTROL OF SEDIMENTATION AND EROSION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. AREAS OF CONTROL AND TYPICAL SECTION OF BARRIER ARE SUGGESTIONS ONLY AND DOES NOT RELIEVE THE CONTRACTOR OF ANY OF HIS RESPONSIBILITY.
- WHERE UNSUITABLE MATERIALS ARE ENCOUNTERED IN THE PAVED AREAS, THE UNSUITABLE MATERIAL SHALL BE EXCAVATED AND THE AREA BACK FILLED WITH GOOD SAND AND SAND/CLAY MATERIALS. THE SAME SHALL APPLY WHERE THE SUB-BASE IS SUBJECT TO RISING WATER TABLE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILIZATION OF STREET AND ROAD SHOULDERS IN ACCORDANCE WITH REQUIREMENTS OF ESCAMBIA COUNTY L.D.C. AND F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- WATER SUPPLY FACILITIES, INCLUDING MAINS, SHALL BE INSTALLED, CLEANED, DISINFECTED, AND BACTERIOLOGIC ALLY CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST APPLICABLE AWWA STANDARDS AND COORDINATED WITH LOCAL UTILITY ENGINEER/INSPECTOR IN ACCORDANCE WITH COTTAGE HILL WATER'S STANDARDS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR AND COMPLY WITH ANY TESTING REQUIRED BY THE LOCAL GOVERNING AGENCY IN ADDITION TO THE TESTING REQUIREMENTS OUTLINED IN THE SPECIFICATION.
- GRADING AROUND TREES WHICH ARE TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO CAUSE NO DAMAGE TO THE TREE
- SOD SHALL BE PLACE IN ACCORDANCE WITH SEC. 573 F.D.O.T. SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW ASBUILT CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
- ALL PROPOSED UNDERGROUND UTILITIES WITHIN THE RIGHT-OF-WAY SHALL BE INSTALLED PRIOR TO PAVING. NO STREETS UNDER THE TWO YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT OR JACK AND BORED. TO ACCOMPLISH THIS REQUIREMENT, COMMON TRENCHING IS REQUIRED. COMMON TRENCHING SHALL NOT TAKE PLACE UNTIL ALL ROW ROUGH GRADES HAVE BEEN ESTABLISHED TO ENSURE PROPER UTILITY DEPTHS. IF COMMON TRENCHING IS NOT A FEASIBLE OPTION, THE DEVELOPER SHALL INSTALL CONDUIT FOR THE UTILITY NOT PARTICIPATING IN THE COMMON TRENCHING FOR ALL ROAD CROSSINGS AND THE UTILITY COMPANY WILL BE REQUIRED TO USE THE CONDUIT. THIS SHALL REQUIRE PLANNING BETWEEN THE DEVELOPER AND THE UTILITY.
- ROUGH GRADING OF RIGHT OF WAY MUST BE ESTABLISHED PRIOR TO COMMON TRENCH UTILITY INSTALLATION TO ENSURE UTILITIES ARE INSTALLED AT PROPER DEPTHS. A MINIMUM OF 30" OF COVER IS REQUIRED OVER ALL UTILITIES. THIS DIMENSION SHALL BE MEASURED FROM PROPOSED GRADE IF ROAD IS IN FILL AND MEASURED FROM TOP OF CURB IF ROAD IS IN CUT.
- CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD AT LEAST 2 WEEKS PRIOR TO PLACEMENT OF BASE MATERIAL TO ASSIST IN COORDINATION OF ALL OTHER UNDERGROUND UTILITIES.
- THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "ASBUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUEST A FINAL INSPECTION, OR PROVIDE ASBUILT CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE ASBUILT CERTIFICATION OR THE ASBUILT RECORD DRAWINGS MUST BE SIGNED AND SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/ OR SOD. SEEDING AREAS SHALL INCLUDE A BAHIA MIX TO ENSURE CONTINUED GROWTH AFTER WINTER MONTHS IN ACCORDANCE WITH FDOT SECTION 570 AND STANDARD INDEX 105
- THE OWNER OR HIS AGENT SHALL ARRANGE/ SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 595-3472. ASBUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/ APPROVAL.
- ALL ASPECTS OF THE STORMWATER/ DRAINAGE COMPONENTS AND OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.
- NO DEVIATION OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER OR RECORD, ESCAMBIA COUNTY, AND ECUA. ANY DEVIATIONS MAY RESULT IN DELAYS IN COUNTY ACCEPTANCE OF IMPROVEMENTS.
- DENSITY TESTS AND CORE SAMPLES WILL BE REQUIRED TO DEMONSTRATE COMPLIANCE WITH COUNTY STANDARDS PRIOR TO FINAL ACCEPTANCE OF ROADWAY IMPROVEMENTS.
- THE GENERAL CONTRACTOR IS REQUIRED TO FILE NPDES PHASE II PERMIT FOR THE PROJECT. NO WORK MAY COMMENCE ON THE PROJECT UNTIL THE NOTICE OF INTENT HAS BEEN PROPERLY SUBMITTED. CONTRACTOR IS TO COMPLY WITH NPDES REQUIREMENTS. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1/2" RAINFALL EVENT OR AT LEAST WEEKLY. THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS.
- NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W. 1-800-432-4770
- ECUA INSPECTOR OR AUTHORIZED REPRESENTATIVE MUST OBSERVE ALL CONNECTIONS TO ECUA'S EXISTING SANITARY SEWER SYSTEMS.
- ELECTRIC/PHONE/CABLE/GAS STRUCTURES INSTALLED WITHIN DRAINAGE ACCESS EASEMENTS SHALL BE LOCATED ALONG THE BOUNDARY OF THE EASEMENT TO MAXIMIZE CLEAR ACCESS FOR MAINTENANCE EQUIPMENT.
- THE SUBGRADE IS TO BE TESTED FOR COMPACTION AT A FREQUENCY OF NOT LESS THAN ONE TEST PER 300 LINEAR FEET IN THE PROPOSED ROADWAY AREAS. COMPLIANCE TESTS WITHIN THE FILL/BACKFILL AREAS ARE TO BE PERFORMED AT A FREQUENCY OF NOT LESS THAN ONE TEST PER 300 LINEAR FEET.
- ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED WITH FABRIC/SOCK.
- A HEALTHY GROWTH OF GRASS WITHIN DISTURBED RIGHT-OF-WAY AREAS IS REQUIRED PRIOR TO COUNTY APPROVAL /ACCEPTANCE. IF TIME CONTRAINS EXIST DURING THE FINAL PLAT APPROVAL AND ACCEPTANCE PROCESS, A MINIMUM OF TWO STRIPS OF SOD (MINIMUM 2' WIDE) BEHIND THE BACK OF CURB WITH ALL OTHER DISTURBED AREAS SEEDED /MULCHED/FERTILIZED WILL BE ACCEPTABLE.
- SAG FILTERS IN CURB THROATS ARE NOT AN ALLOWABLE SEDIMENT CONTROL METHOD.
- A MINIMUM ONE (1) FOOT GROUND COVER IS REQUIRED FOR ALL UNDERGROUND PIPES.
- CONSTRUCTION PLAN APPROVAL IS REQUIRED TO DOCUMENT THE DESIGN OF INFRASTRUCTURE TO ADEQUATELY SERVE THE CREATED LOTS. THE APPROVAL ALLOWS THE CONSTRUCTION OF THE SUBDIVISION INFRASTRUCTURE TO PROCEED, BUT IT DOES NOT ALLOW DEVELOPMENT ON THE INDIVIDUAL SUBDIVISION LOTS THAT ARE NOT SHOWN WITHIN THIS PLAN SET. PROPOSED RESIDENTIAL LOTS WITH NO PROPOSED IMPROVEMENTS SHOWN SHALL REMAIN IN THEIR NATURAL STATE (TREES INCLUDED) UNTIL SUCH TIME AS A BUILDING PERMIT FOR THE DWELLING IS ISSUED. FURTHERMORE, PER CODE, NO LAND DISTURBANCE ACTIVITIES SHALL OCCUR ONSITE, INCLUDING LAND CLEARING, PLACING OF FILL MATERIALS, GRADING ACTIVITIES, ETC. OR THE REMOVAL OF TREES, UNTIL SUCH TIME AS CONSTRUCTION PLANS ARE APPROVED AND APPROPRIATE PERMIT(S) ARE ISSUED FOR THE DEVELOPMENT WORK OR OTHERWISE.
- THERE ARE NO HERITAGE OR CHAMPION TREES ONSITE.
- ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, & ANY OTHER LAND DISTURBING ACTIVITIES AS DEFINED IN ESCAMBIA COUNTY'S LAND DEVELOPMENT CODE SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.
- RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT SEDIMENTS FROM ENTERING THE EXCAVATED POND.
- DEVELOPER/CONTRACTOR/HOA SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENSION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND AT THE END OF THE 2-YEAR WARRANTY PERIOD.
- TO COMPLY WITH NPDES REQUIREMENTS, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 1" RAINFALL EVENT OR AT LEAST WEEKLY. THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS; INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES PERMIT APPLICANT FOR PROPER REPORTING TO FDEP/NWFWD.
- ALL LAND SHALL REMAIN VEGETATED & IN ITS NATURAL STATE UNTIL SUCH TIME AS DRC SITE PLANS/PLATS AND ADDITIONAL PERMITTING APPROVALS ALLOW FOR ADDITIONAL LAND DISTURBING ACTIVITIES, PER CODE. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL MATERIALS, SWALES, TRENCHING, BERMING, OR OTHER "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.
- ON SITES > 1 ACRE, IF > 1 CONTIGUOUS ACRE IS CLEARED, A GROUND COVER SUFFICIENT TO PREVENT EROSION SHOULD BE PLANTED OR OTHERWISE STABILIZED WITHIN 10 WORKING DAYS ON THAT PORTION OF THE SITE UPON WHICH FURTHER ACTIVE CONSTRUCTION WILL NOT BE UNDERTAKEN WITHIN 90 DAYS.
- ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.
- THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.

FLOOD ZONE NOTE:

THE PARCEL SHOWN HEREON IS LOCATED IN FLOOD ZONE "X" AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033002400, MAP REVISION DATED SEPTEMBER 29, 2006.

UTILITY CONTACTS

CONTRACTOR SHALL NOTIFY SUNSHINE 1 48 HOURS PRIOR TO COMMENCING CONSTRUCTION 1-800-432-4770

FLORIDA POWER & LIGHT
ALLEN THOMPSON
850-429-2603

AT&T
STEPHEN KENNINGTON
850-512-4848

ECUA
PETER KUMMER
850-969-6643

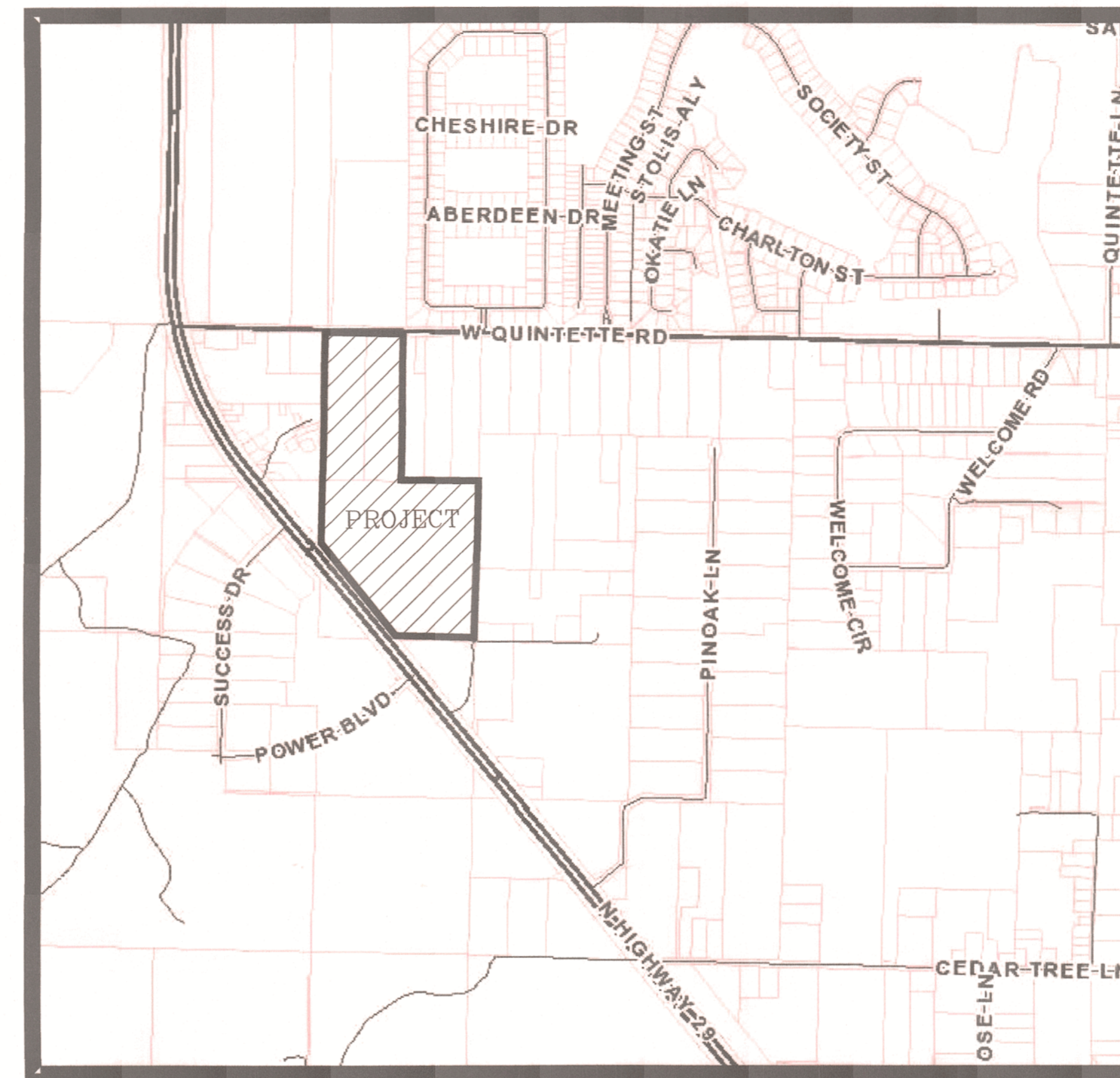
PENSACOLA ENERGY
DIANE MOORE
850-474-5319

COX COMMUNICATIONS
TROY YOUNG
850-232-5044

CONSTRUCTION PLANS FOR

Carrington Valley

A PROPOSED 146 LOT RESIDENTIAL SUBDIVISION OF A PORTION OF
SECTION 33, TOWNSHIP 2 NORTH, RANGE 31 WEST
ESCAMBIA COUNTY, FLORIDA
ZONING: RMU FLU: MU-S / RC



VICINITY MAP
(NOT TO SCALE)

Approved Design 9-11-24
Date

This document has been reviewed in accordance with requirements of applicable Escambia County Regulations and Ordinances and does not in any way relieve the submitting Architect, Engineer, Surveyor, or other signatory from responsibility of details as drawn.

DRAINAGE FEE

Imperv. Surf. 130022.0Sq ft

Stormwater Ret. 0.71 % (F)

Total Drainage Fee \$4,615.78

Pond Maint. Fee: MSBU

INDEX OF DRAWINGS

| SHEET | DESCRIPTION |
|-------|---------------------------------|
| 1 | COVER SHEET |
| 2 | EXISTING CONDITIONS |
| 3 | OVERALL PLAN |
| 4 | SITE PLAN - NORTH |
| 5 | SITE PLAN - MID |
| 6 | SITE PLAN - SOUTH |
| 7 | UTILITY PLAN - NORTH |
| 8 | UTILITY PLAN - MID |
| 9 | UTILITY PLAN - SOUTH |
| 10 | DRAINAGE PLAN - NORTH |
| 11 | DRAINAGE PLAN - MID |
| 12 | DRAINAGE PLAN - SOUTH |
| 13 | PLAN/PROFILE - HOME STREET |
| 14 | PLAN/PROFILE - HOME STREET |
| 15 | PLAN/PROFILE - HOME STREET |
| 16 | PLAN/PROFILE - HOME STREET |
| 17 | PLAN/PROFILE - VILLAGE WAY |
| 18 | PLAN/PROFILE - VILLAGE WAY |
| 19 | PLAN/PROFILE - OFFSITE SEWER |
| 20 | PLAN/PROFILE - OFFSITE SEWER |
| 21 | PLAN/PROFILE - OFFSITE SEWER |
| 22 | PLAN/PROFILE - WEST SWALE |
| 23 | PLAN/PROFILE - SOUTH SWALE |
| 24 | PLAN/PROFILE - SOUTHEAST SWALE |
| 25 | PLAN/PROFILE - MISC. STORMWATER |
| 26 | RIGHT TURN LANE |
| 27 | RIGHT TURN LANE GRADING |
| 28 | DETAILS - RETENTION POND |
| 29 | DETAILS - RETENTION POND |
| 30 | DETAILS - DRAINAGE |
| 31 | DETAILS - SITE |
| 32 | DETAILS - POTABLE WATER |
| 33 | SWPPP |

ECUA Engineering Manual Reference Note*

*note shall be inserted in the upper right corner of title sheet

* applicable only to ECUA infrastructure to be constructed in public ROW or in utility easement; not to be applied to private water/sewer facilities on private property (see Building Code)

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? YES NO. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

| Document Name | Document Type | | Location | |
|---------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Specifi- cation | Detail | Plans | Project Manual* |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

*Project Manuals used only with ECUA CIP Projects

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

UTILITY NOTE:

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S SPECIFICATIONS.

LEGAL DESCRIPTION:

THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 2 NORTH, RANGE 31 WEST, LYING EAST OF HIGHWAY NO. 29 (200' R/W).

ALSO LESS AND EXCEPT:

THE SOUTH 30 FEET FOR ROAD RIGHT OF WAY AS RECORDED IN O.R. BOOK 1263, AT PAGE 513, OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA.

AND ALSO:

THE WEST HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.

OWNER AND DEVELOPER

DAVID FITZPATRICK
10250 NORTH PALAFOX STREET
PENSACOLA, FLORIDA 32534
(850) 476-8677

SURVEYOR

MERRILL PARKER SHAW, INC.
4928 N. DAVID HWY
PENSACOLA, FL 32503
P: (850)478-4923

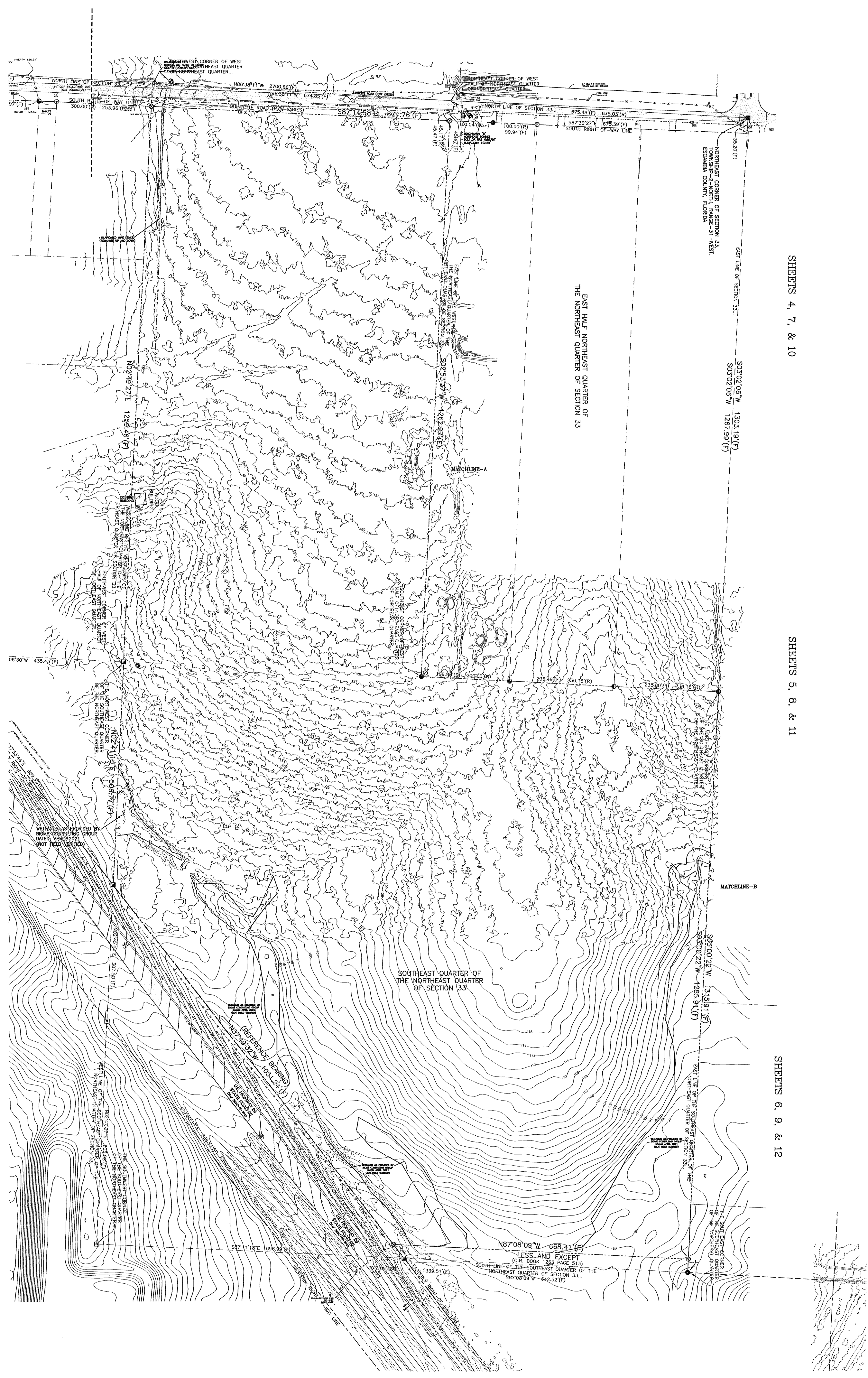
ENGINEER OF RECORD

DAVID W. FITZPATRICK, P.E., P.A.
PROFESSIONAL ENGINEER
10250 NORTH PALAFOX STREET
PENSACOLA, FLORIDA 32534
(850) 476-8677



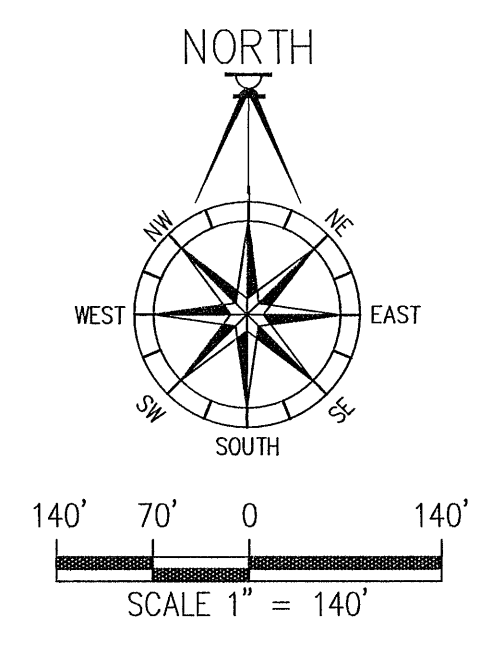
PERMIT SET

9/5/24
SHEET NO. 1
PROJECT NO. 08-102



ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

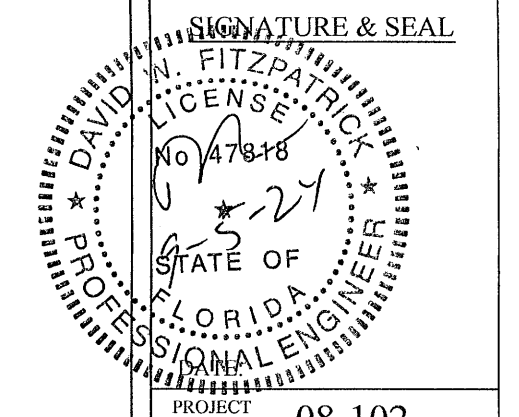


DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALMWAY STREET
 COTTAGE HILL, FLORIDA 32009
 PH: (850)476-8877 FAX: (850)476-7708

CARRINGTON VALLEY
 EXISTING CONDITIONS

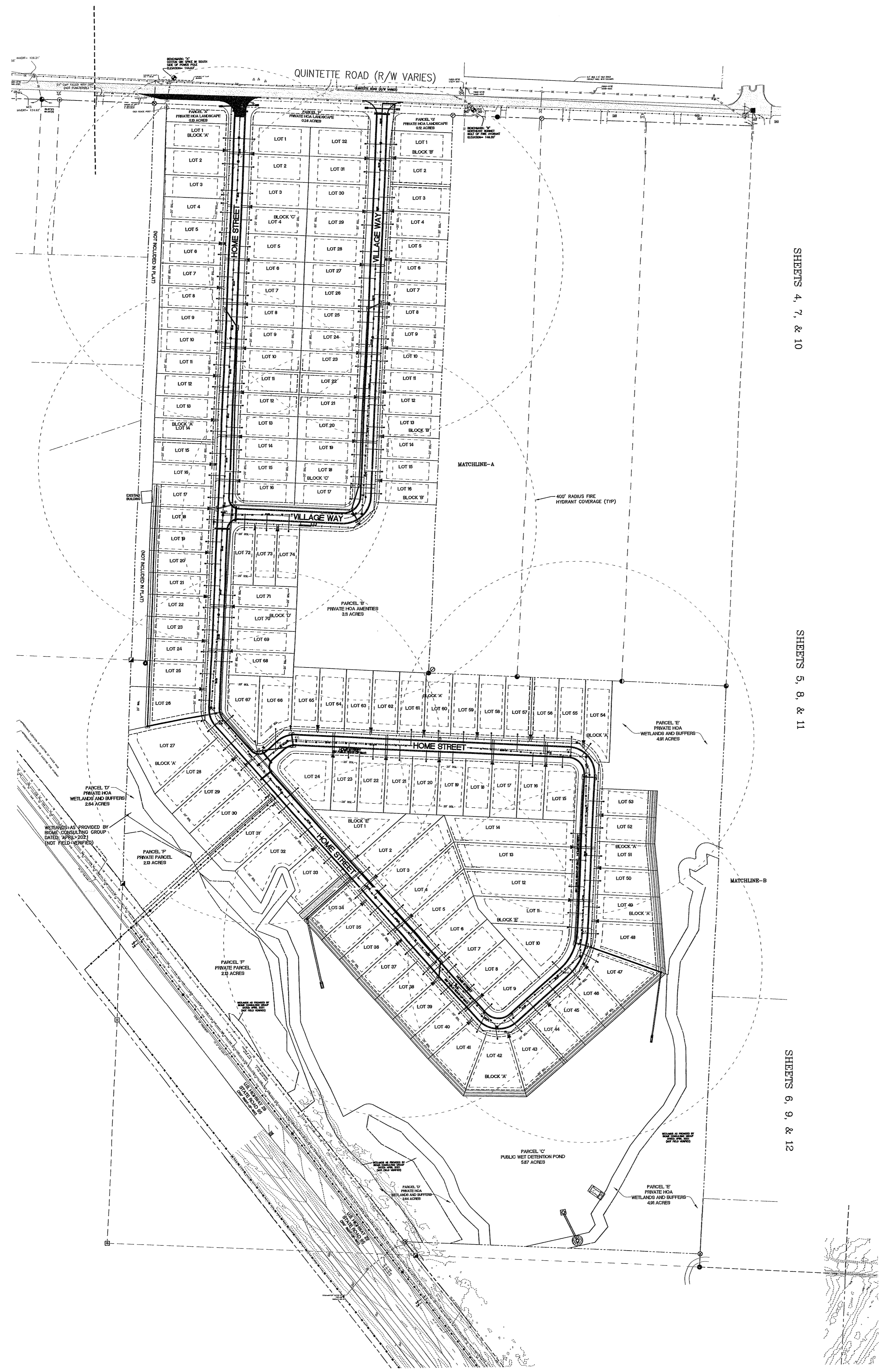
| NUMBER | REVISION | DATE |
|--------|----------|------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

DRAWN BY:
A. BURKETT
 DESIGNED BY:
D. FITZPATRICK



PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET C2 OF C33

PERMIT SET



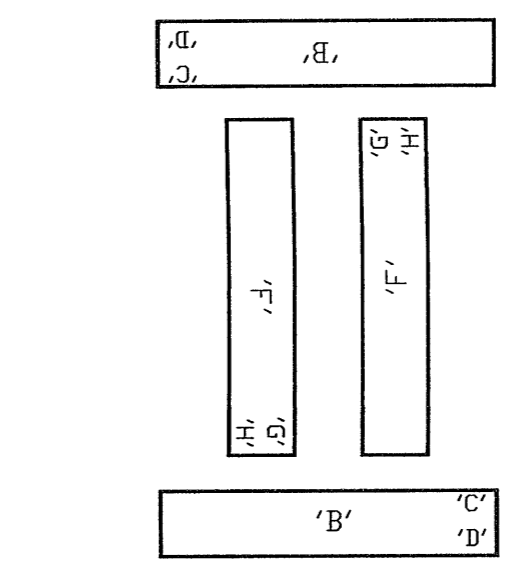
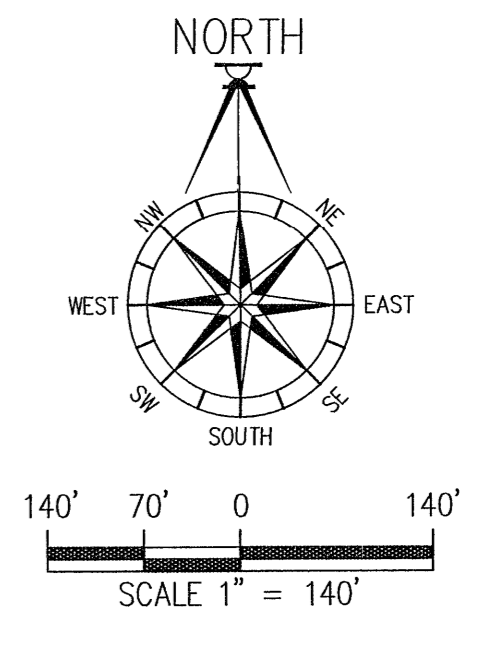
SHEETS 4, 7, & 10

SHEETS 5, 8, & 11

SHEETS 6, 9, & 12

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



STREET RANGE SIGN DETAIL
NTS

| STREET NAME SIGN NUMBER | 'B' | 'C' | 'D' | ORIENTATION | 'F' | 'G' | 'H' | ORIENTATION |
|-------------------------|--------------|------|-------|-------------|------|-------|-----|-------------|
| 1 | Quintette Rd | 1500 | E/W | Home St | 2200 | N/S | | |
| 2 | Quintette Rd | 1500 | E/W | Village Way | 2100 | N/S | | |
| 3 | Village Way | 2100 | E/W | Home St | 2200 | N/S | | |
| 4 | Home St | 2100 | NW/SE | Home St | 2000 | NE/SW | | |

STREET RANGE SIGN TABLE

STANDARD DETAILS FOR INSTALLATION AND LOCATION OF STREET NAME SIGNS

REQUIRED ITEMS FOR STREET NAME SIGN INSTALLATION

- SIGN BLADE - .88\"/>

STANDARD DETAILS FOR STREET NAME SIGN BLADE LAYOUT

F.D.O.T. TYPE III A REFLECTIVE SHEETING TO BE USED ON ALL STREET NAME SIGN BLADES.
 *STREET NAME SIGN BLADES TO HAVE WHITE LEGENDS, 1/2\"/>

DRAINAGE STRUCTURE TABLE

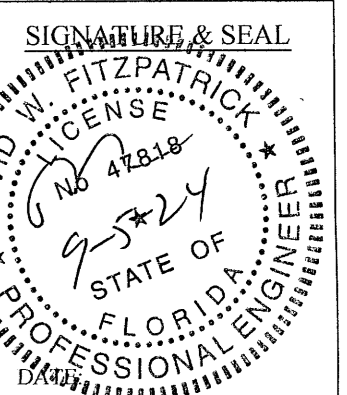
| MANHOLES | INLETS | OUTFALL STRUC. | PIPE (FEET) | | | |
|----------|--------|----------------|-------------|-------|------|------|
| | | | 18" | 24" | 30" | |
| 1 | 24 | 2 | 1,621 | 1,182 | 471' | 872' |

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10500 NORTH PALMWAY STREET
 TAMPA, FLORIDA 33618
 PH: (850)476-8677 FAX: (850)476-7708

CARRINGTON VALLEY
 OVERALL PLAN

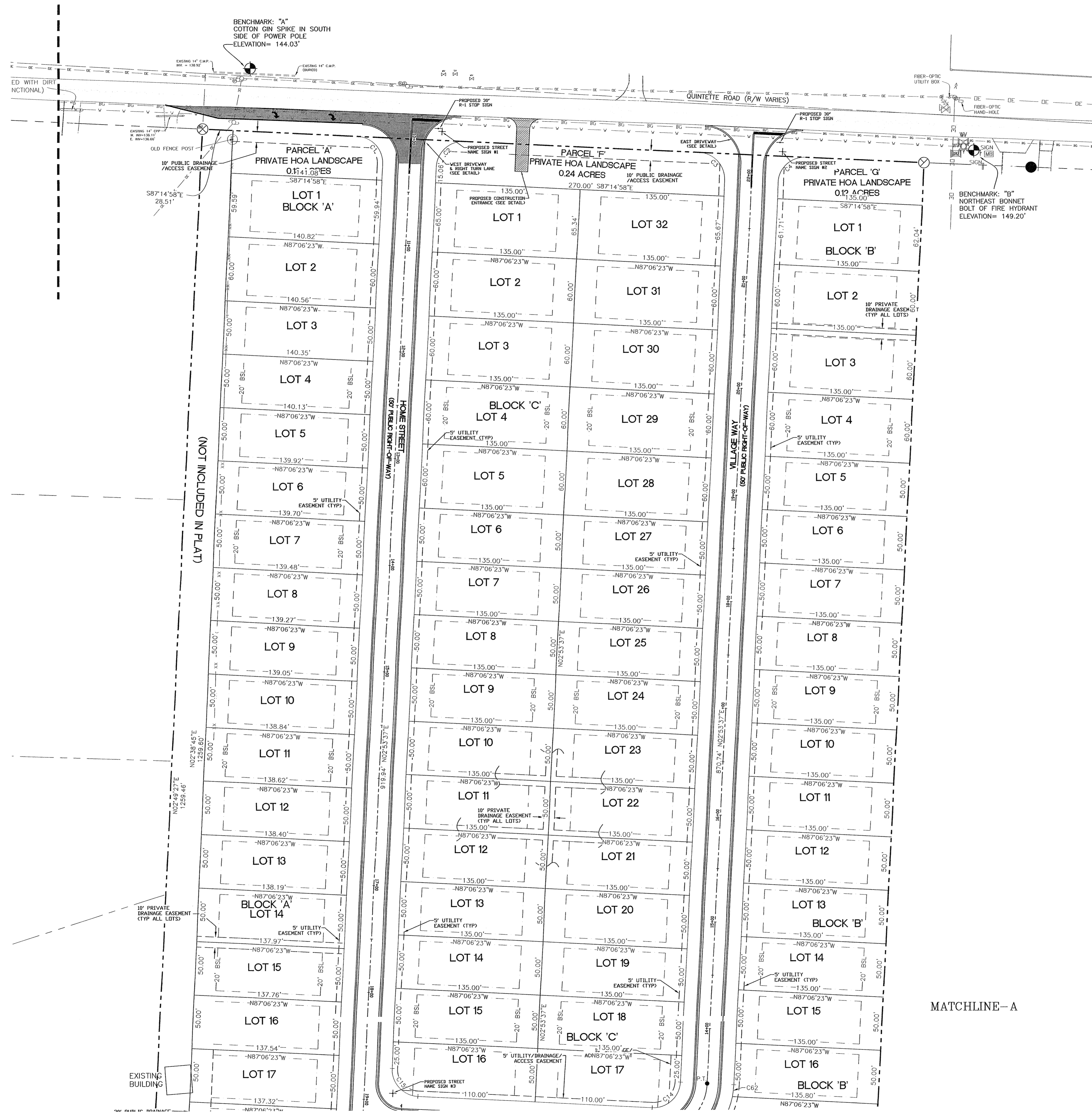
| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |
| | | |
| | | |

DRAWN BY:
A. BURKETT
 DESIGNED BY:
D. FITZPATRICK



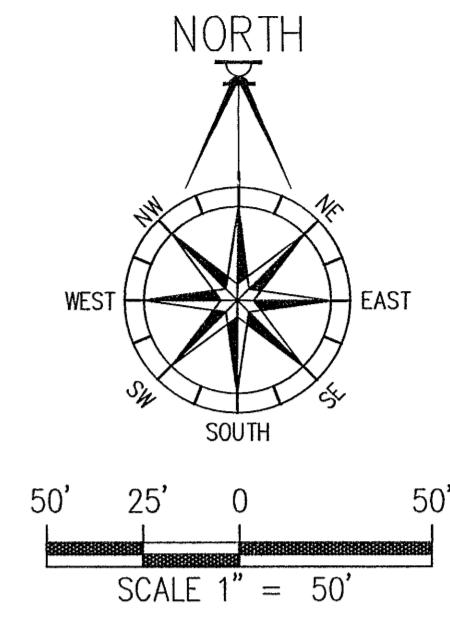
PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET: C3 OF C33

PERMIT SET



ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 W. PALM BEACH STREET
 PENSACOLA, FL 32534
 PH: (850) 476-8677 FAX: (850) 476-7708

CARRINGTON VALLEY
 SITE PLAN - NORTH

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK

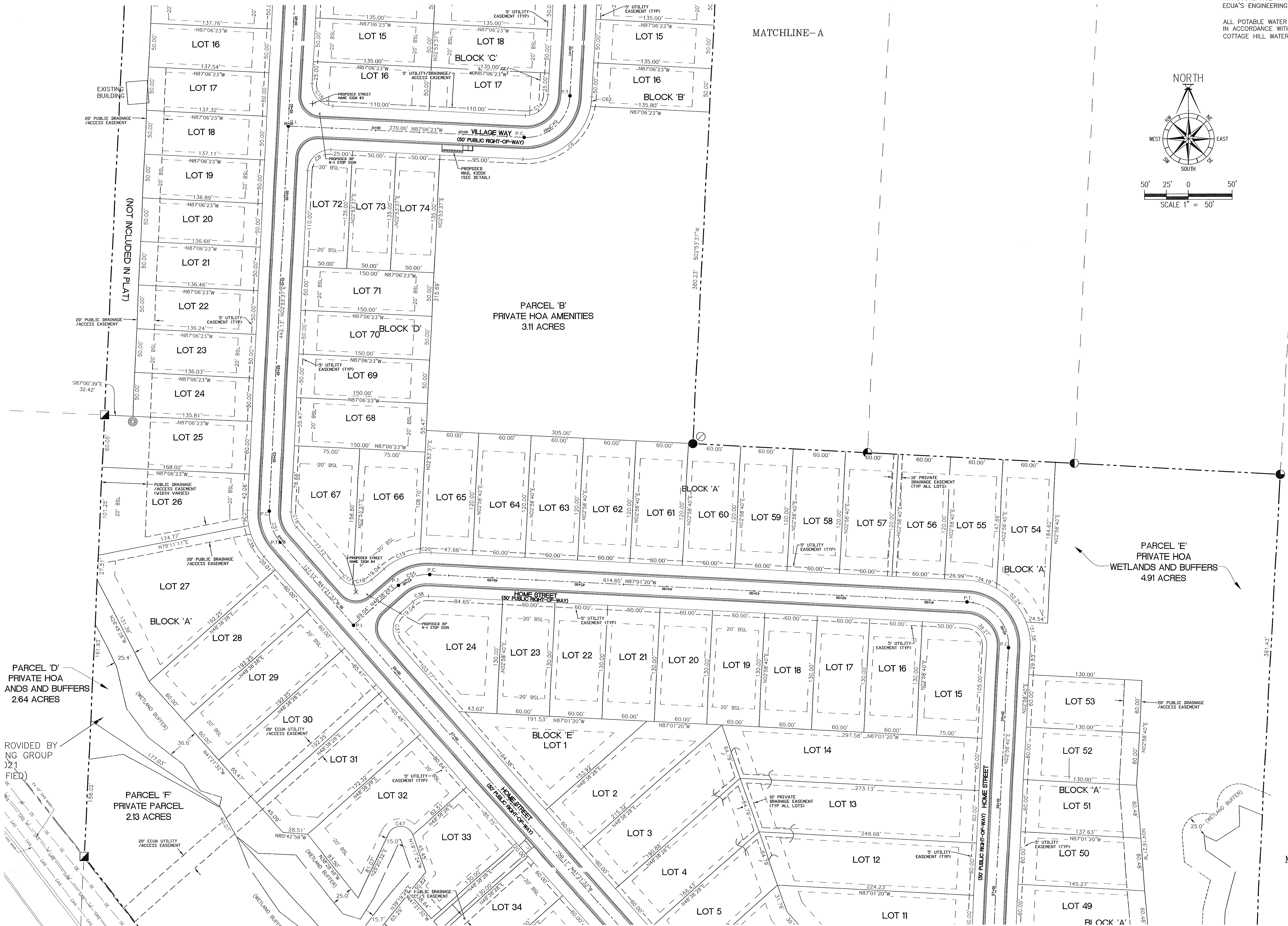
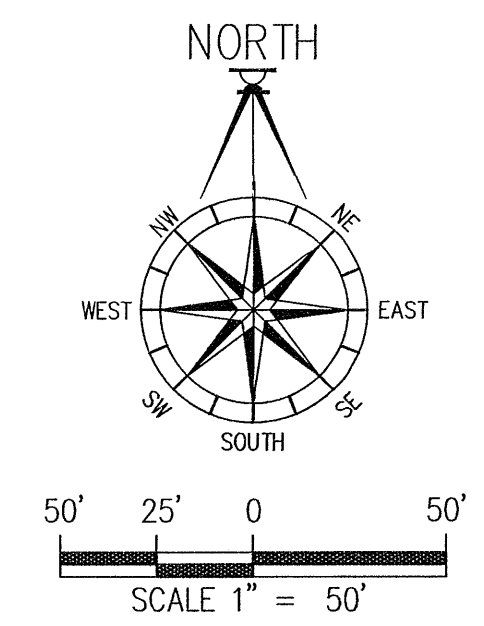
DAVID W. FITZPATRICK
 LICENSE # 7819
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET C4 OF C33

PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



MATCHLINE-A

MATCHLINE-B

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #0008423
 10250 NORTH PALMFOX STREET
 PENSACOLA, FL 32534
 PH: (850) 476-8677 FAX: (850) 476-7708

CARRINGTON VALLEY
 SITE PLAN - MID

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER
 LICENSE NO. 12818
 STATE OF FLORIDA

PROJECT NUMBER:
08-102

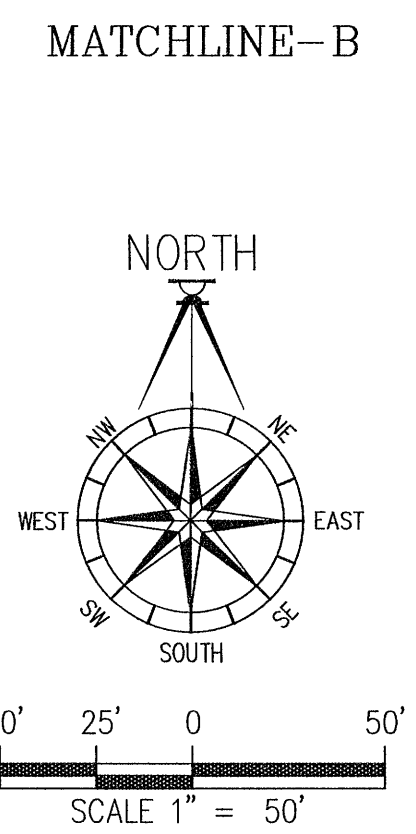
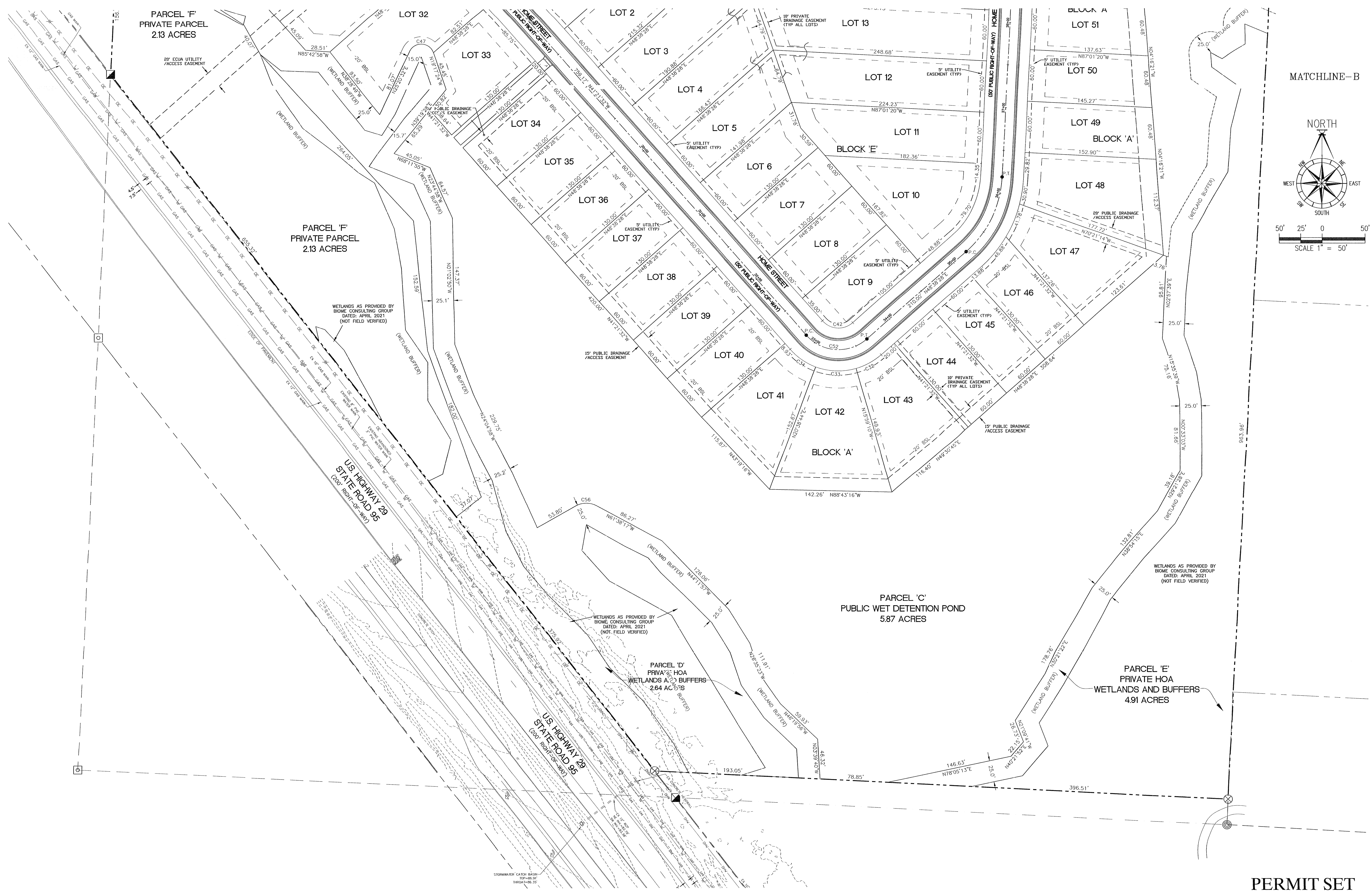
DATE:
9/5/24

SHEET:
C5 OF C33

PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 1025 PALM BLVD., SUITE 200
 PENSACOLA, FL 32504
 PH: (850)476-8677 FAX: (850)476-7708

CARRINGTON VALLEY
 SITE PLAN - SOUTH

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

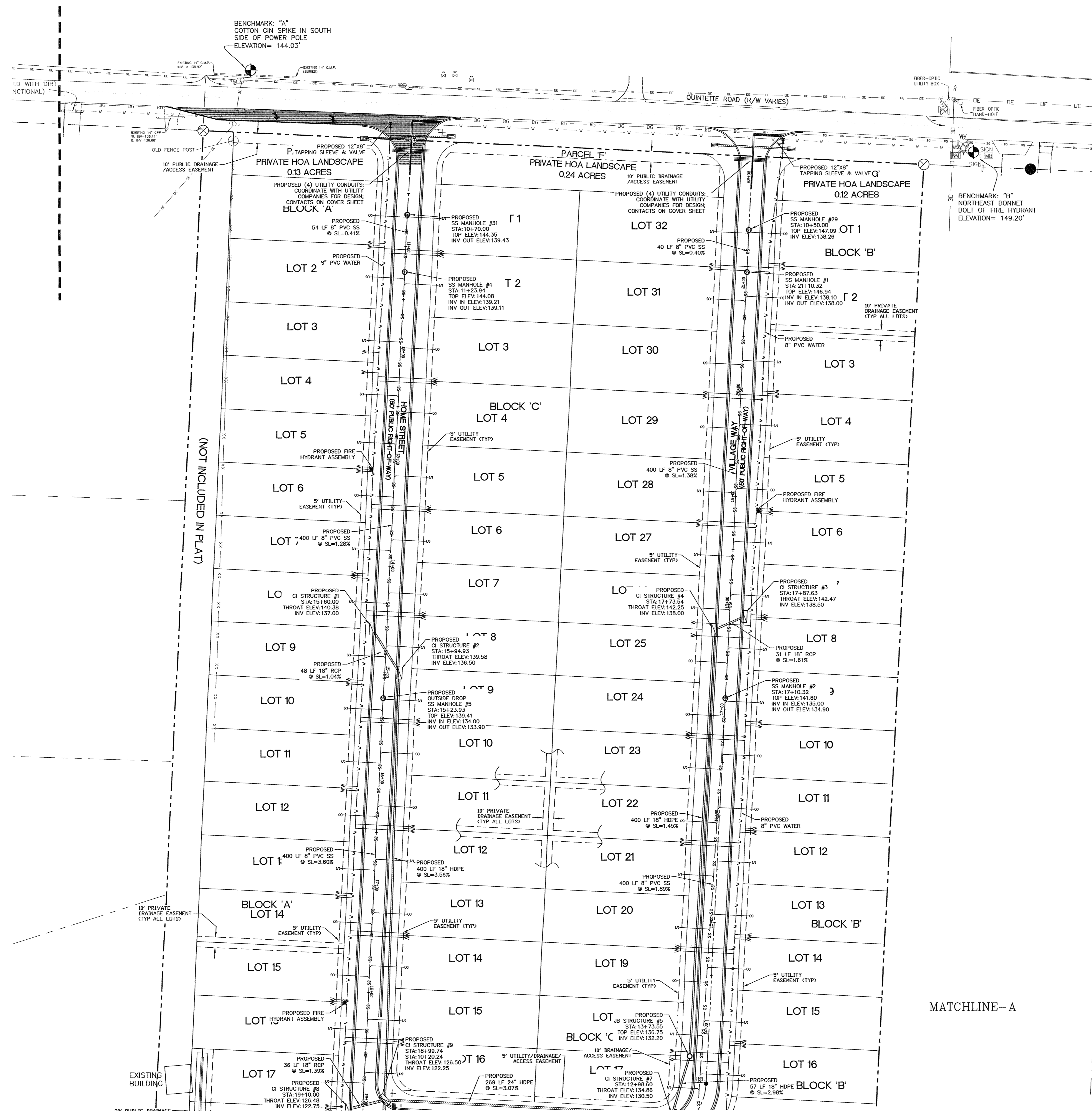
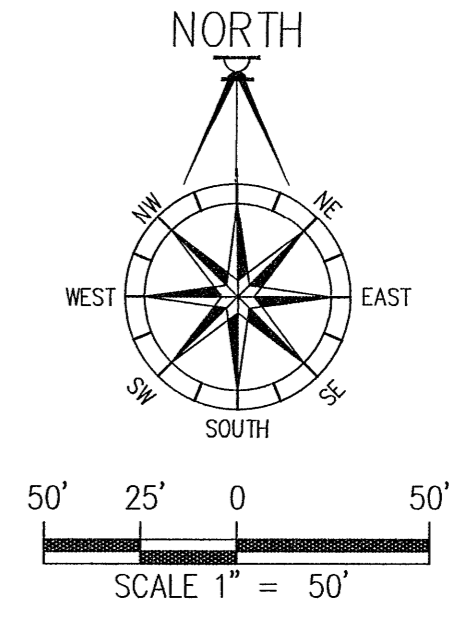
SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 No. 47285
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET: C6 OF C33

PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



(NOT INCLUDED IN PLAT)

MATCHLINE - A

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 W. WINDY HILL ROAD
 PENSACOLA, FL 32534
 PH: (850)476-8877 FAX: (850)476-7708

CARRINGTON VALLEY
 UTILITY PLAN - NORTH

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

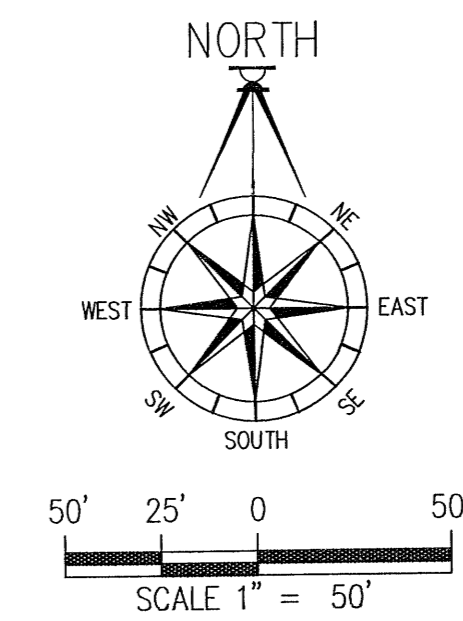
SIGNATURE & SEAL

 PROJECT NUMBER: 061102
 PLOT DATE: 9/5/24
 SHEET C7 OF C33

PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECWA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



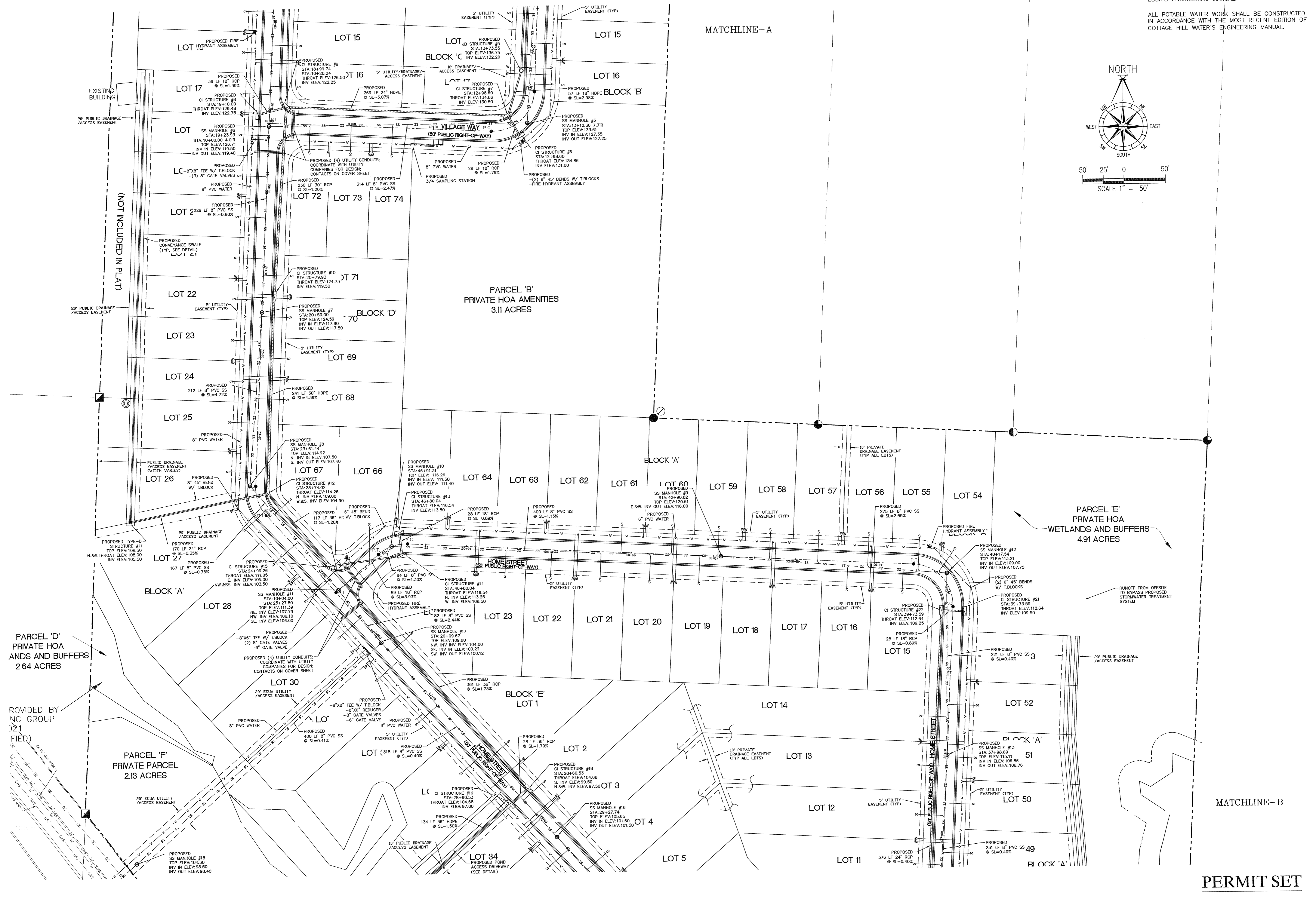
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALMWAY STREET
 PALM BEACH, FLORIDA 33410
 PH: (850) 766-8677 FAX: (850) 766-7708

CARRINGTON VALLEY

UTILITY PLAN - MID

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |

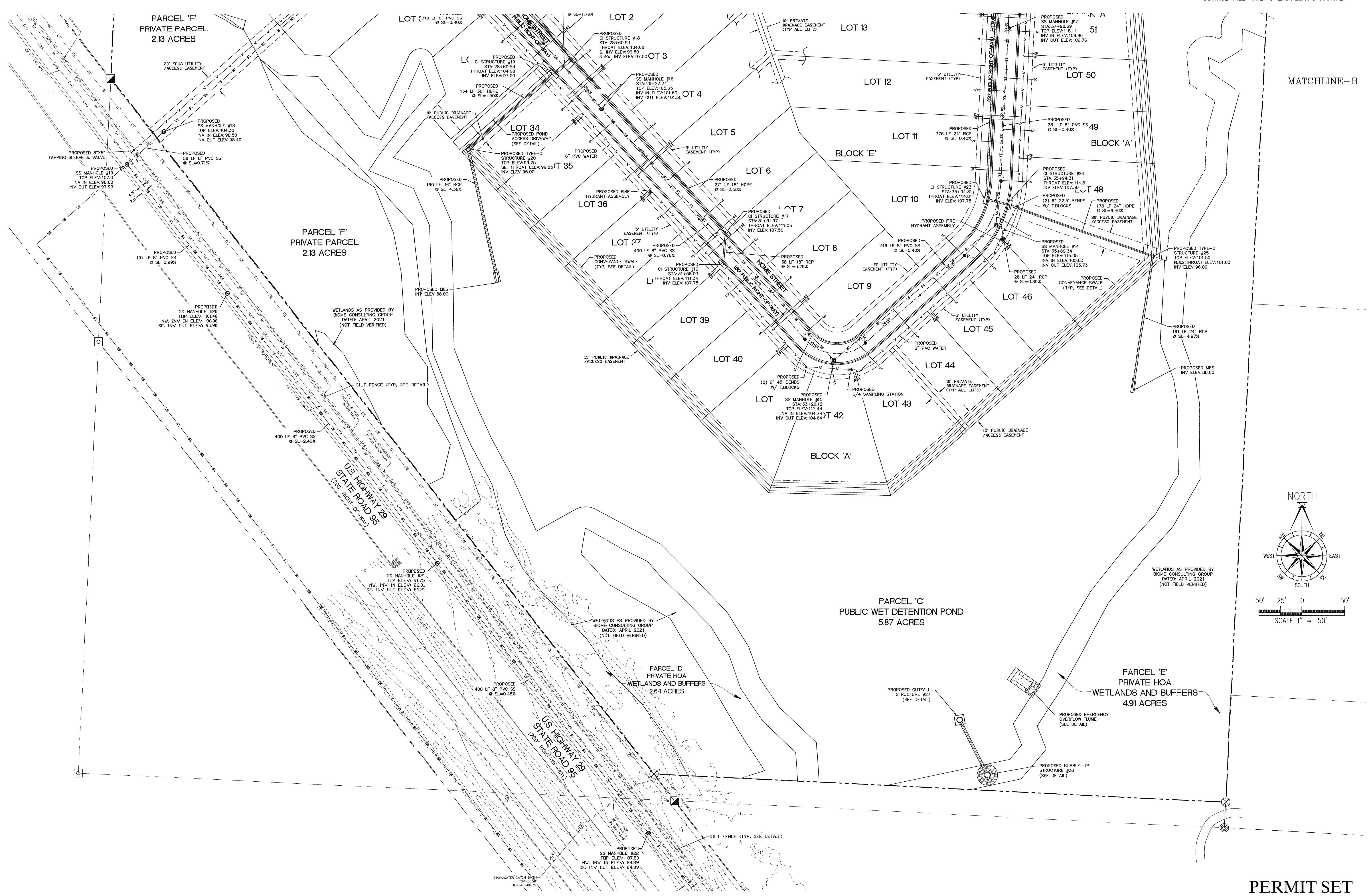
DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK
 SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 LICENSE NO. 47818
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 PROJECT NUMBER: 081402
 PLOT DATE: 9/5/24
 SHEET: C8 OF C33



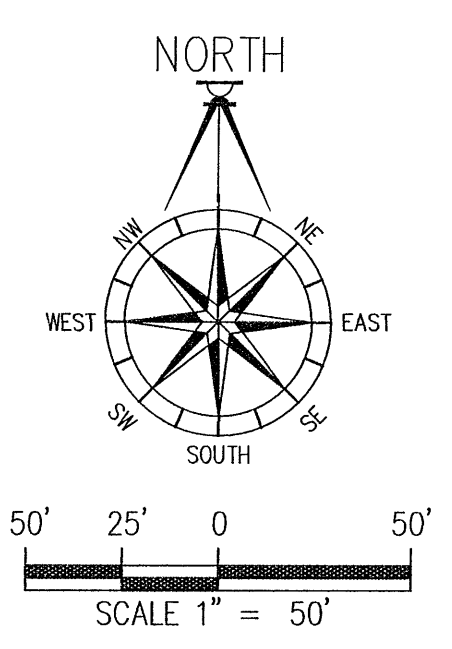
PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



MATCHLINE-B



DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00008423
10250 NORTH PALMWAY, SUITE 201
COTTAGE HILL, FLORIDA 32005
PH: (850)476-8677 FAX: (850)476-7708

CARRINGTON VALLEY
UTILITY PLAN - SOUTH

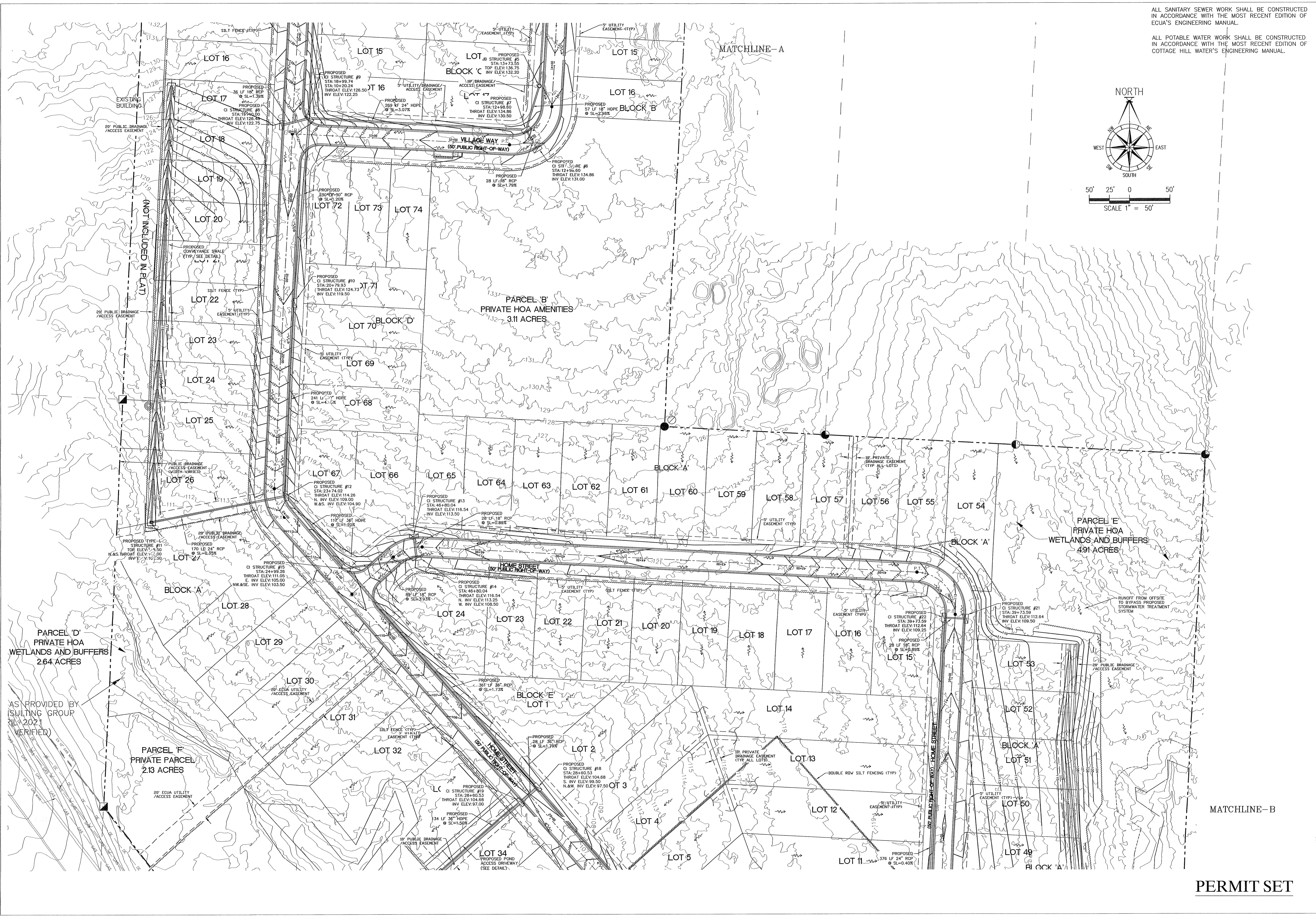
| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY: A. BURKETT
DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL
DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 1047878
EXPIRES 12/31/2025
NUMBER: 1084102

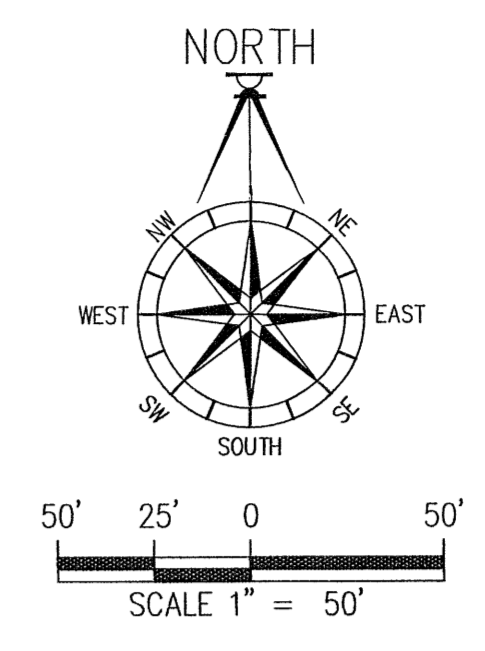
PLOT DATE: 9/5/24
SHEET C9 OF C33

PERMIT SET



ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 PLANTATION BLVD, SUITE 100
 PUNTA GORDA, FLORIDA 34957
 PH: (850)476-8677 FAX: (850)476-7708

CARRINGTON VALLEY
 DRAINAGE PLAN - MID

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK

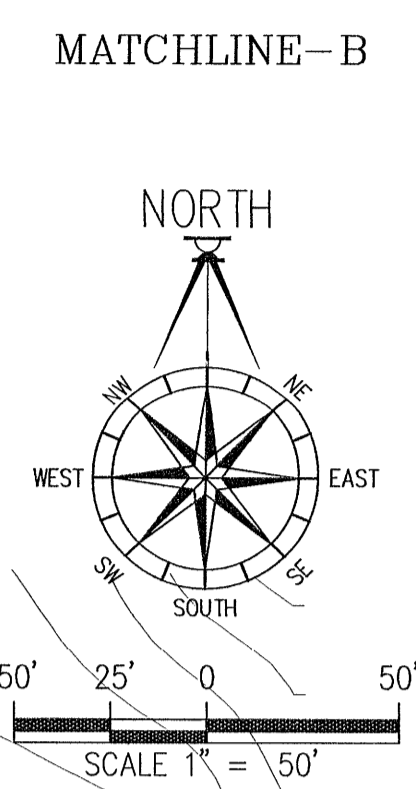
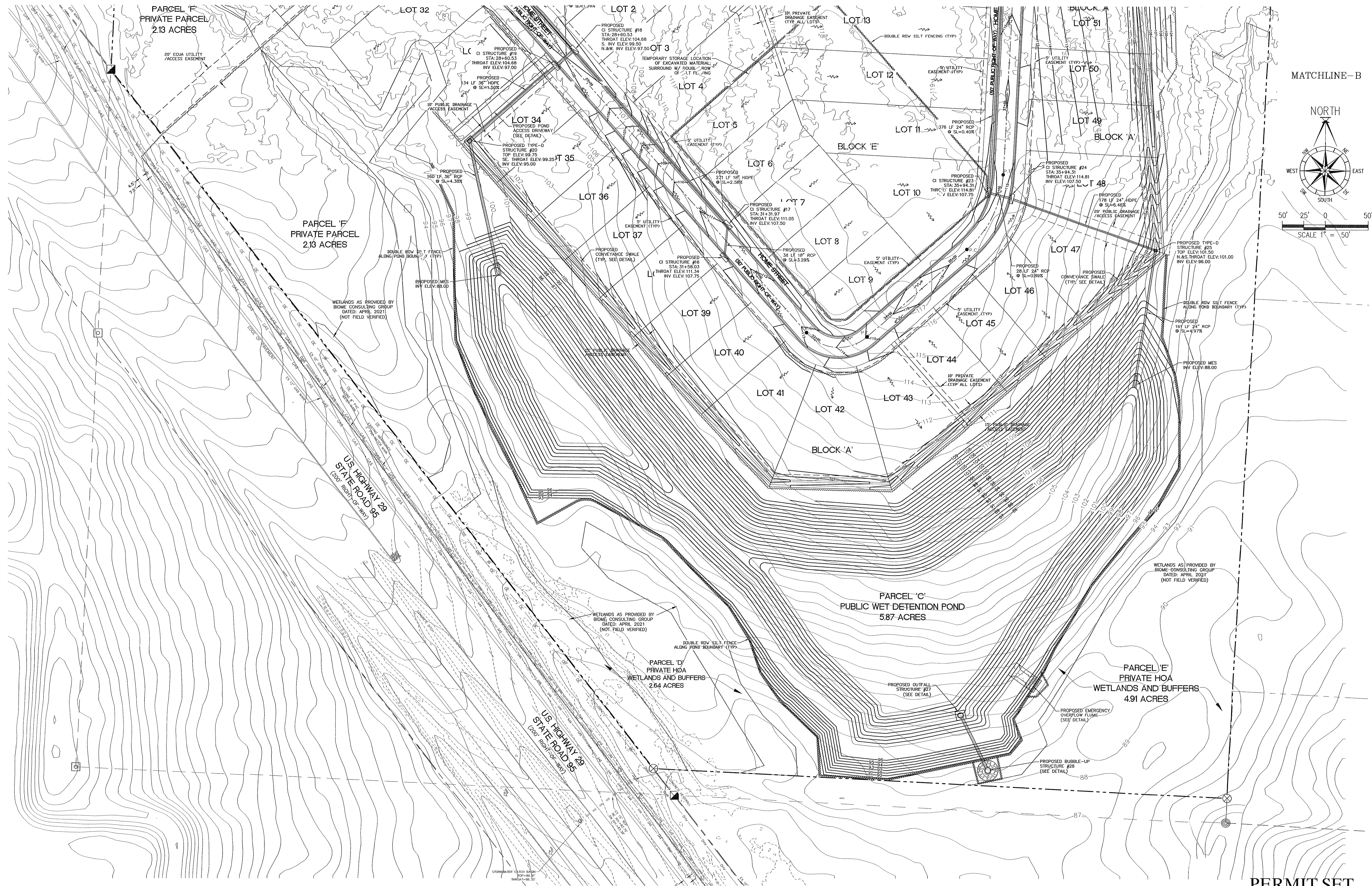
SIGNATURE & SEAL

PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET: C11 of C33

PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



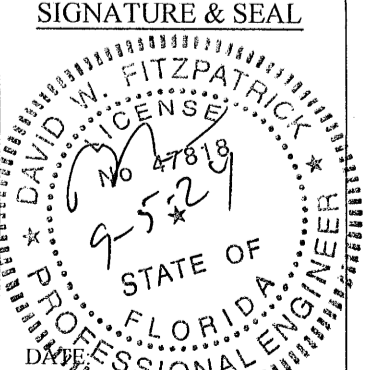
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00006423
 10250 NORTH PALMWAY STREET
 PH: (850)476-8877 FAX: (850)476-7708

CARRINGTON VALLEY
 DRAINAGE PLAN - SOUTH

| DATE | REVISION | NUMBER |
|------|----------|--------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

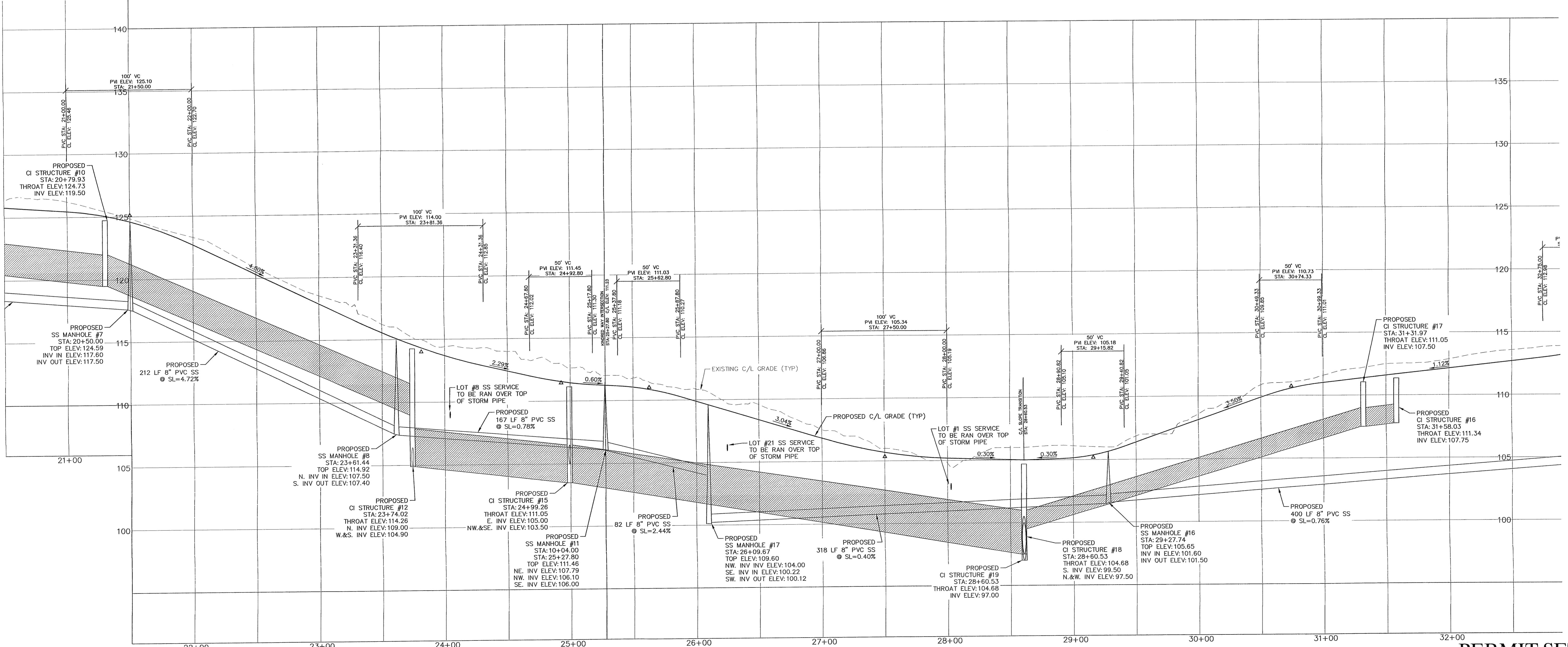
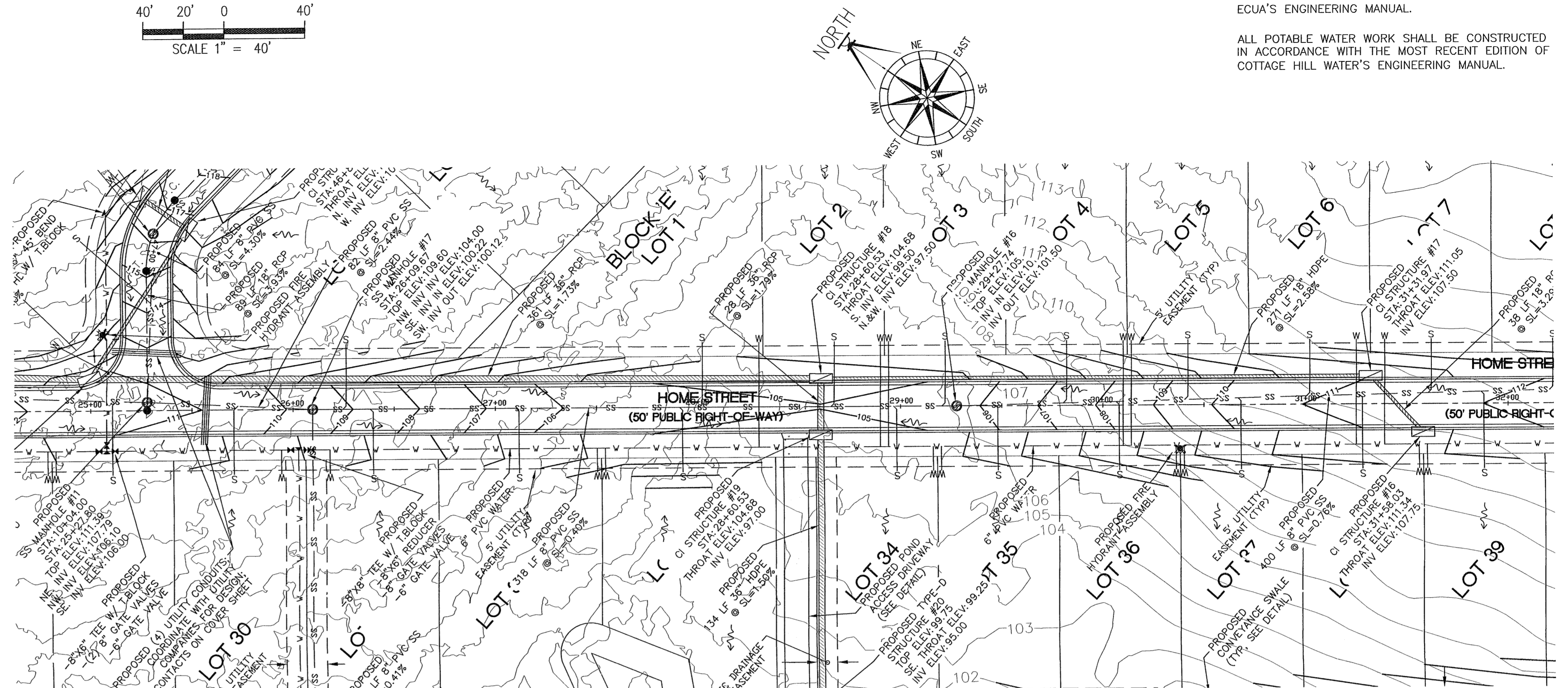
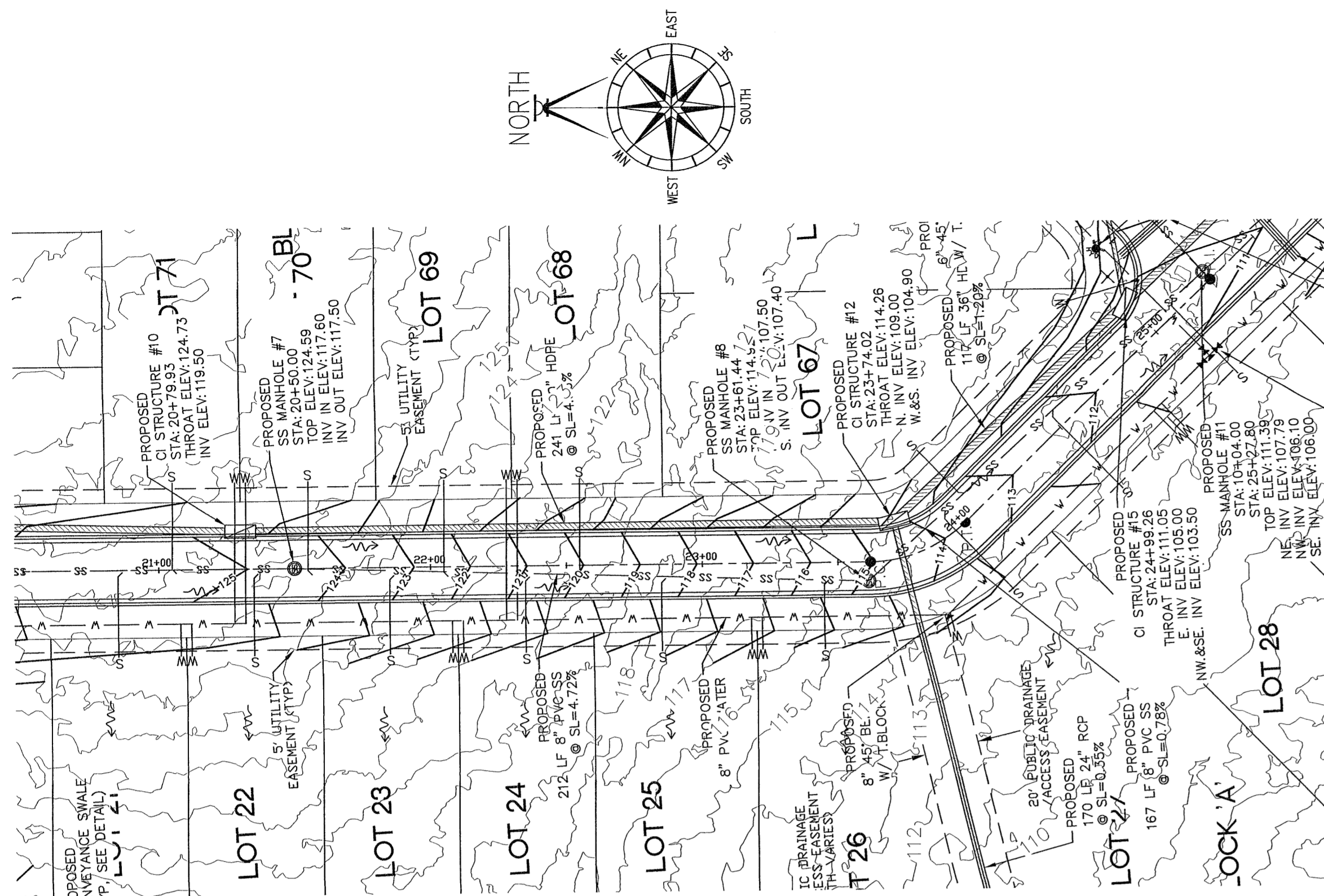
SIGNATURE & SEAL


PROJECT NUMBER:
08-1102

PLOT DATE:
9/5/24

SHEET
C12 OF C33

PERMIT SET



ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECJA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10550 N. STATE ROAD 301, SUITE 100
 PALM BEACH, FLORIDA 33411
 PH: (850)76-8677 FAX: (850)76-7788

CARRINGTON VALLEY
 PLAN / PROFILE - HOME STREET

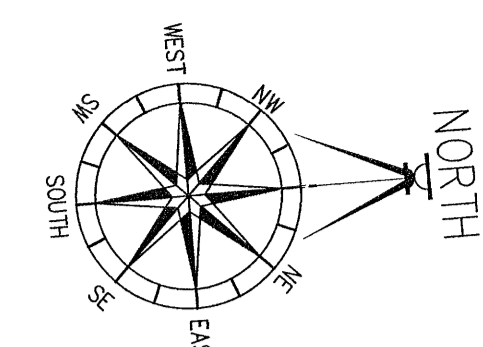
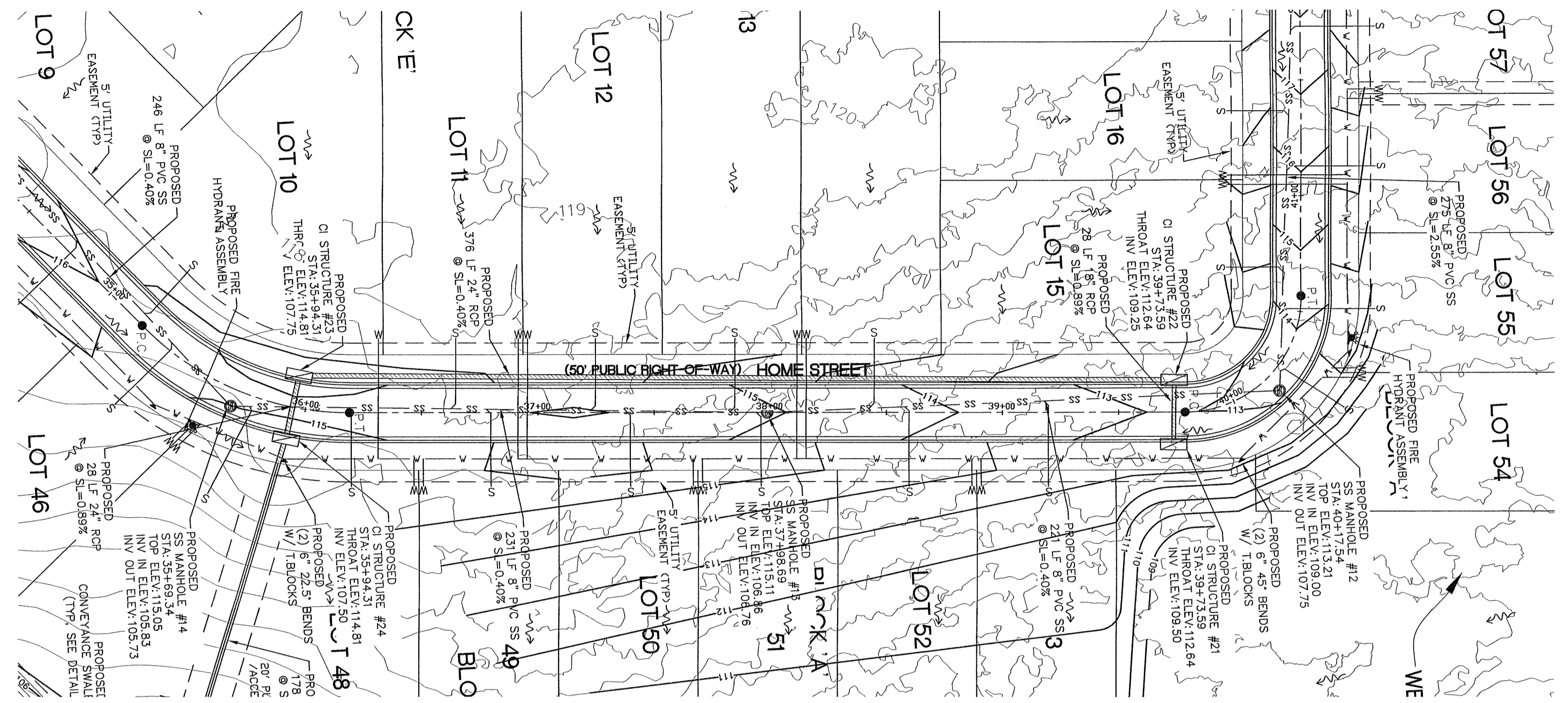
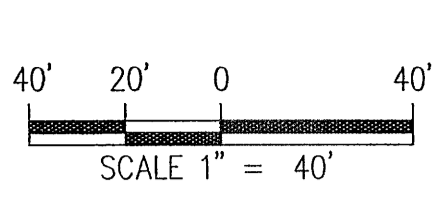
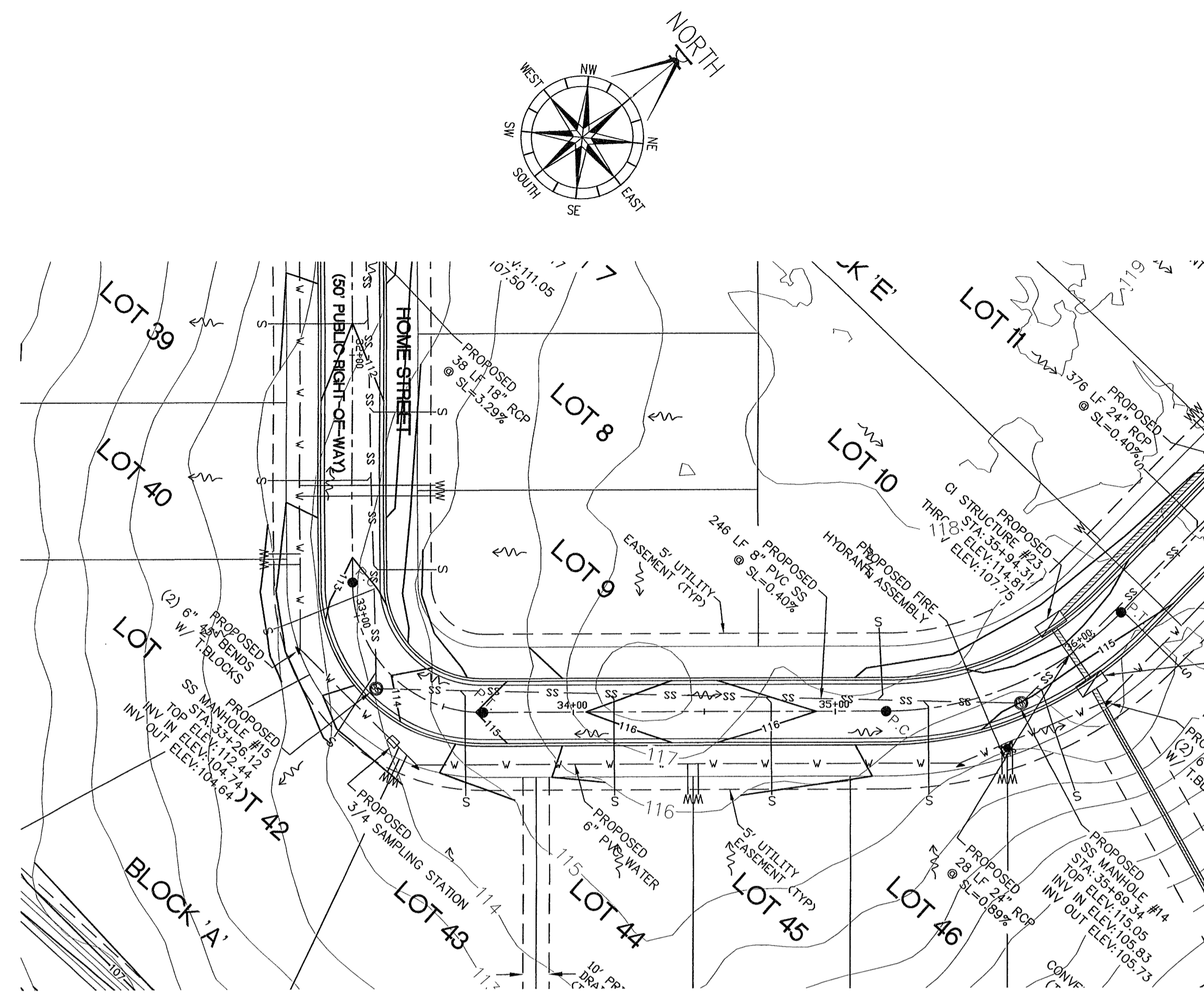
| | |
|----------|--|
| DATE | |
| REVISION | |
| NUMBER | |

DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 LICENSE # 27818
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

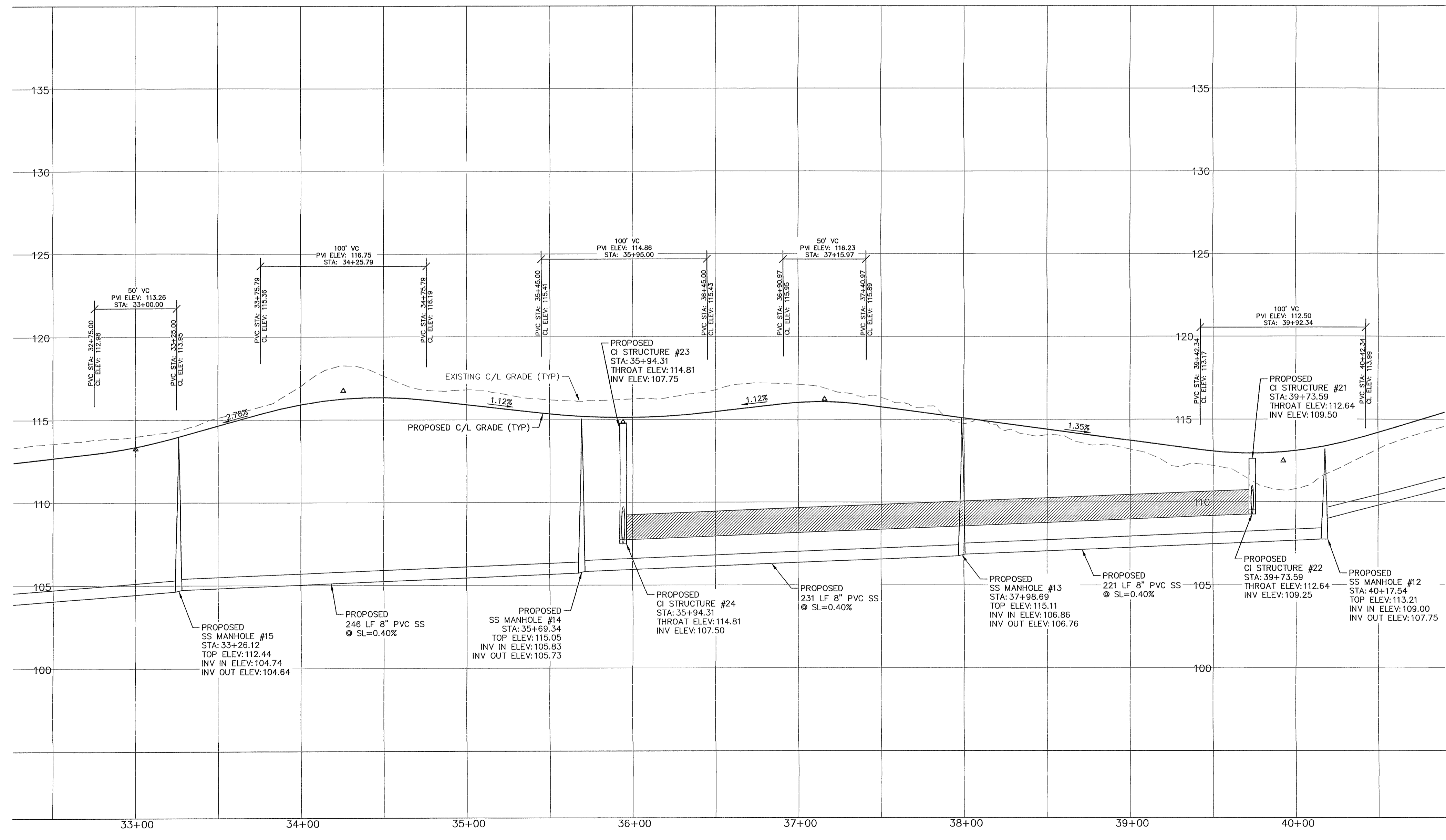
PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET C14 OF C33

PERMIT SET



ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



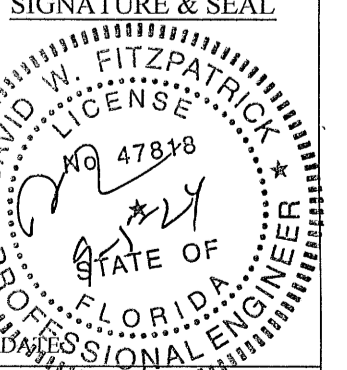
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALM BLVD., SUITE 100
 TAMPA, FLORIDA 33613
 PH: (850) 978-8677 FAX: (850) 978-7788

CARRINGTON VALLEY
 PLAN / PROFILE - HOME STREET

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |
| | | |
| | | |

DRAWN BY
A. BURKETT

DESIGNED BY
D. FITZPATRICK

SIGNATURE & SEAL


PROJECT NUMBER
081102

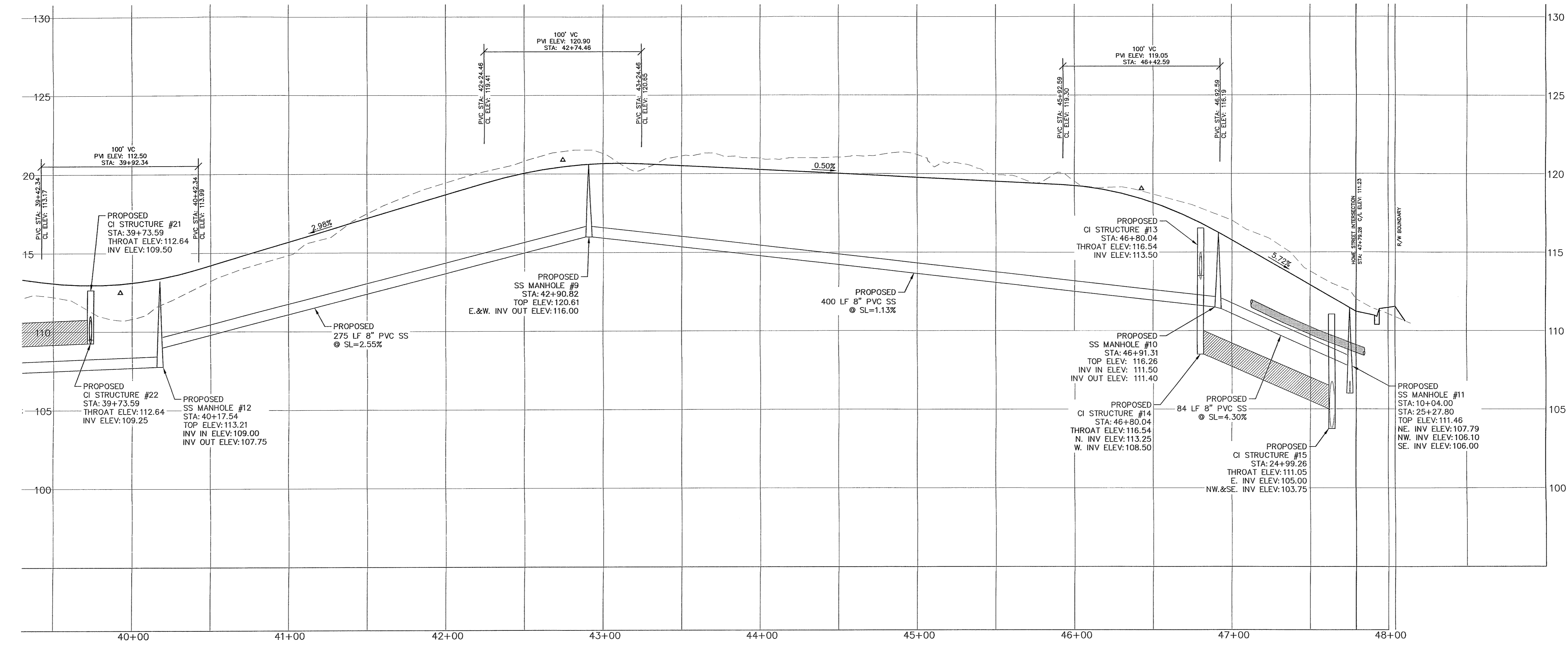
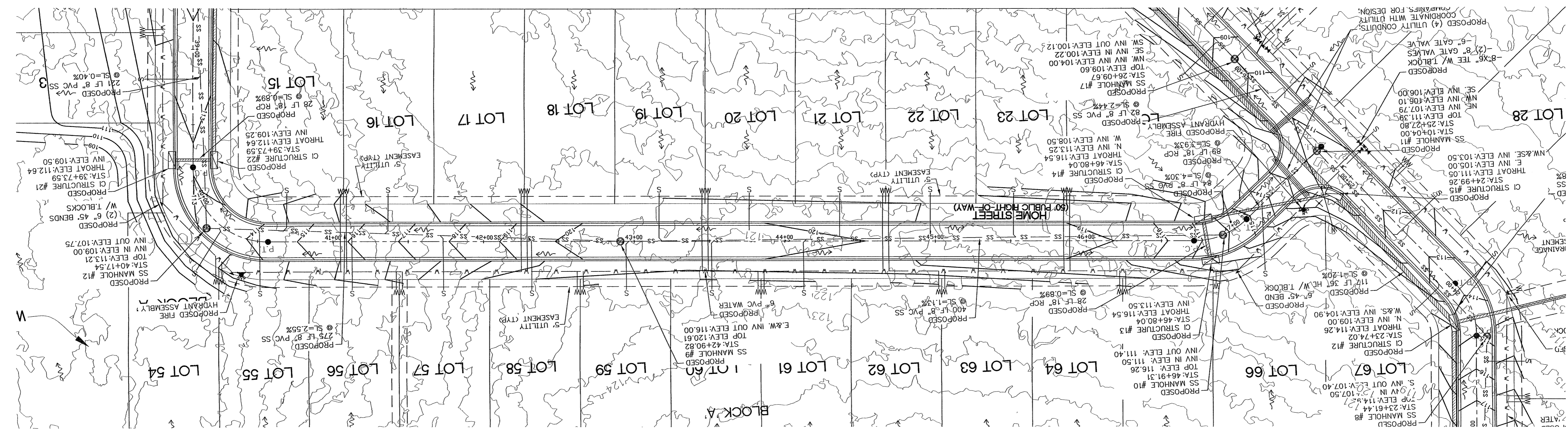
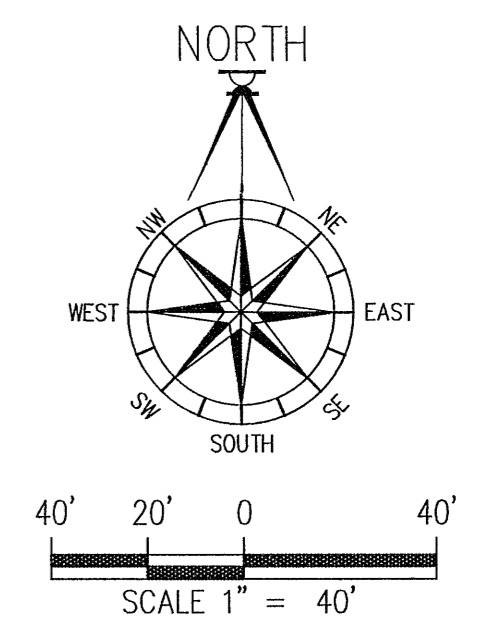
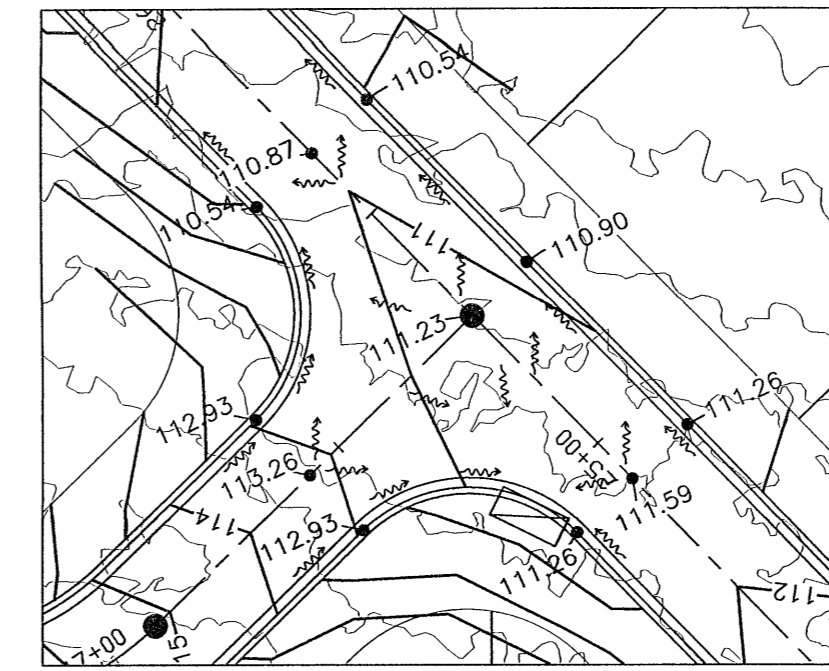
PLOT DATE
9/5/24

SHEET
C15 OF C33

PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.



PERMIT SET

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 W. PALM BLVD., SUITE 200
 PENSACOLA, FL 32504
 PH: (850) 478-8877 FAX: (850) 478-7768

CARRINGTON VALLEY
 PLAN / PROFILE - HOME STREET

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE AND SEAL
 DAVID W. FITZPATRICK
 LICENSE NO. 47818
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DATE:
08-10-24

PROJECT NUMBER:
08-102

PLOT DATE:
9/5/24

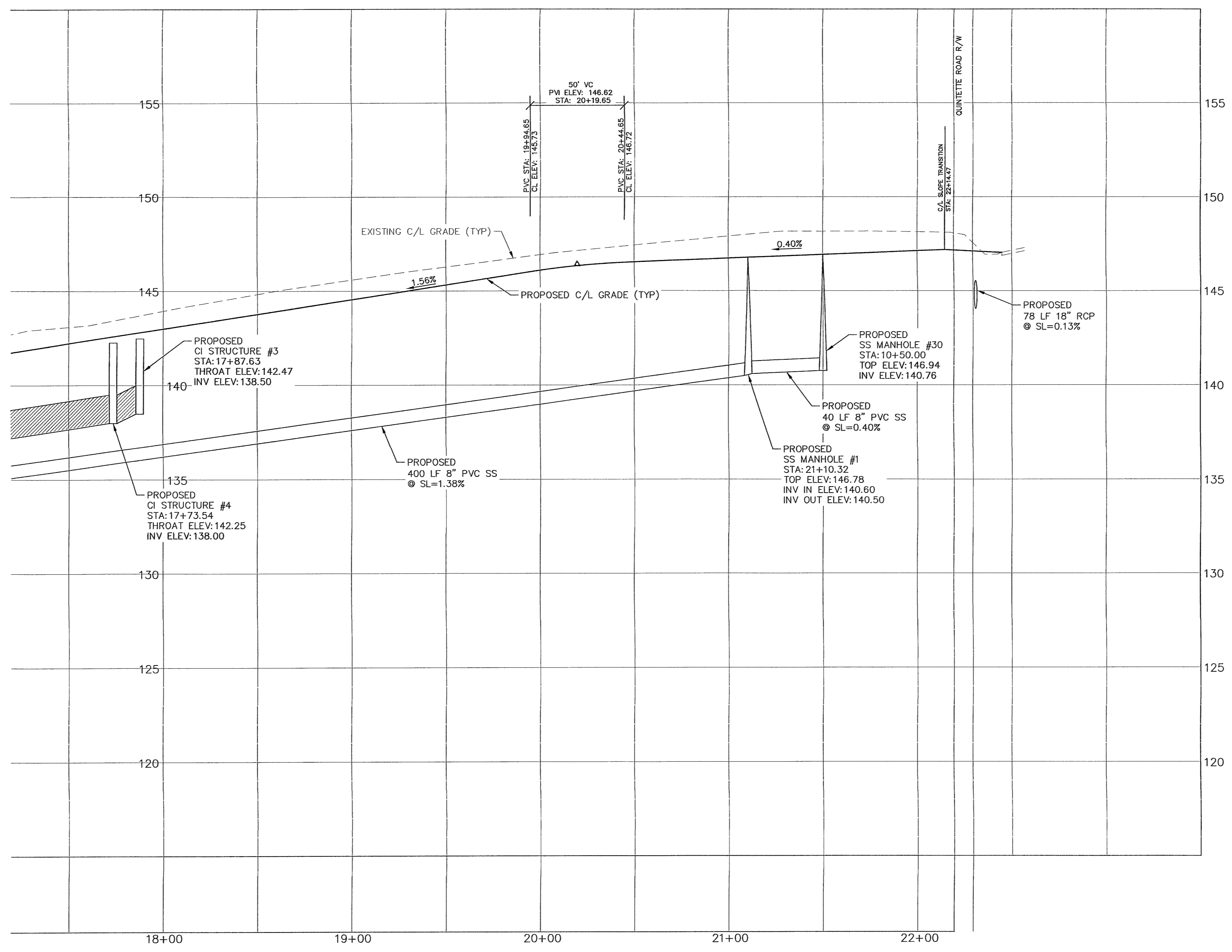
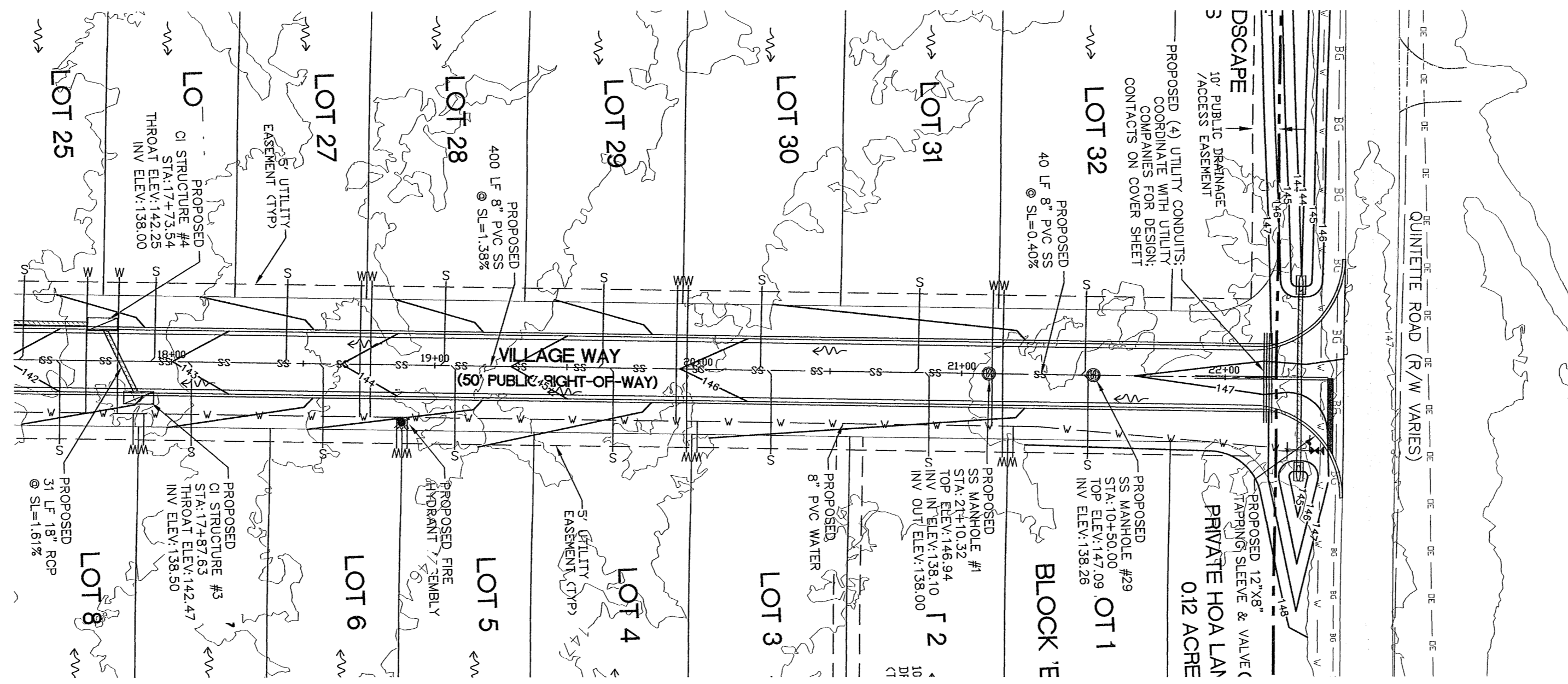
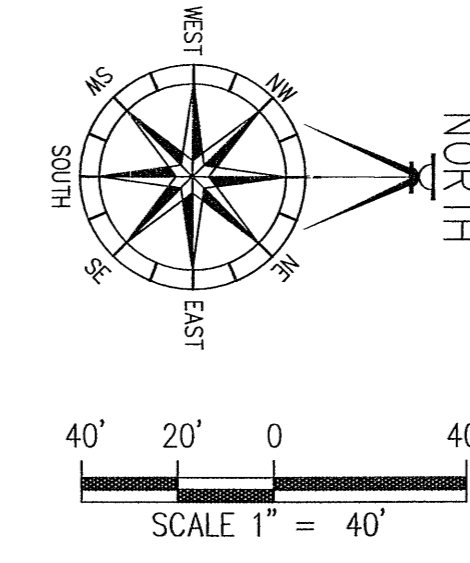
SHEET C16 OF C33

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00006423
 10250 W. UNIVERSITY BLVD., SUITE 200
 PENSACOLA, FLORIDA 32504
 PH: (850)476-8877 FAX: (850)476-7708

CARRINGTON VALLEY
 PLAN / PROFILE - VILLAGE WAY

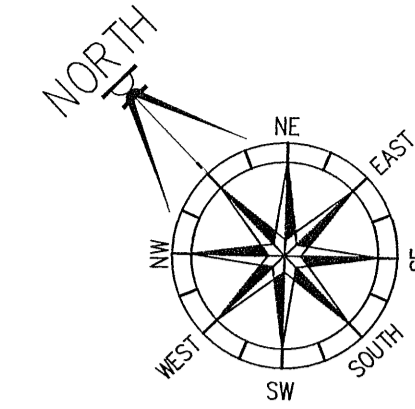
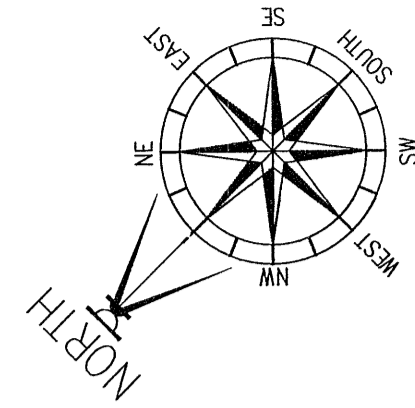
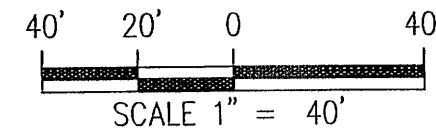


PERMIT SET

| NUMBER | REVISION | DATE |
|--------|----------|------|
| | | |
| | | |
| | | |
| | | |
| | | |

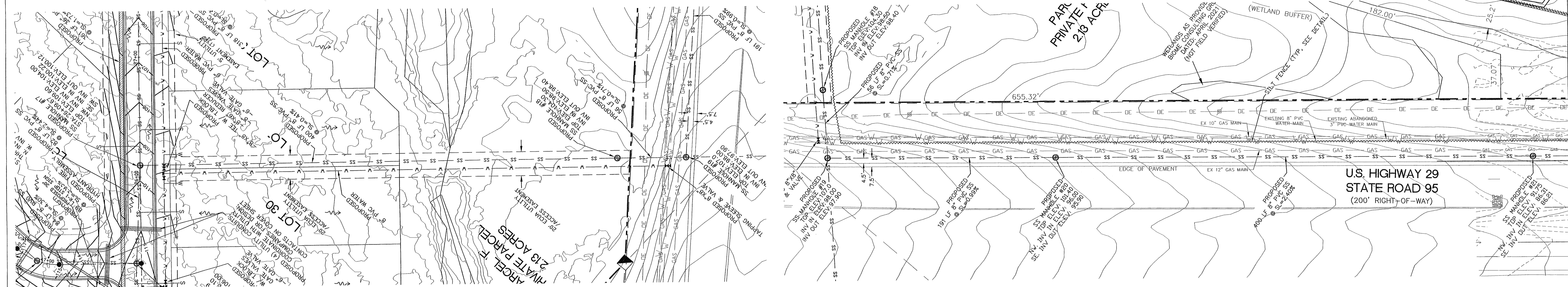
DRAWN BY:
A. BURKETT
 DESIGNED BY:
D. FITZPATRICK
 SIGNATURE & SEAL
 David W. Fitzpatrick
 No. 47818
 State of Florida
 Professional Engineer

DATE:
PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET C18 OF C33



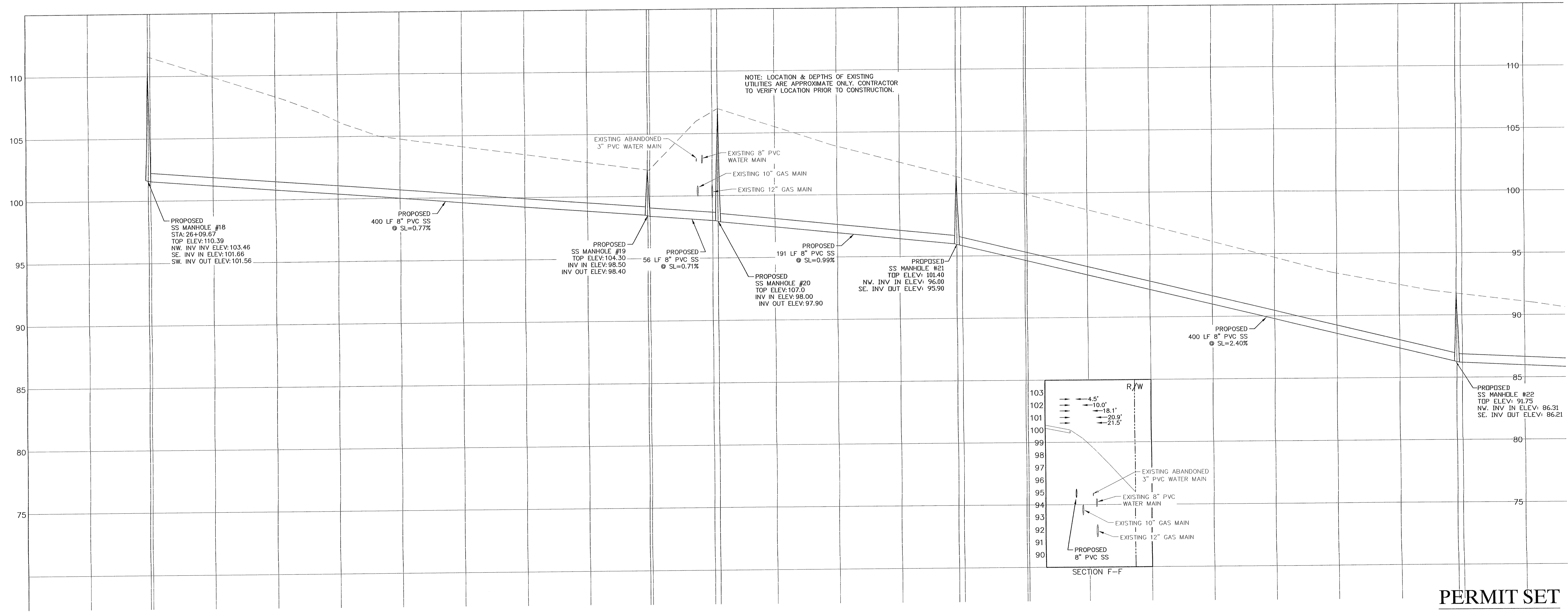
ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

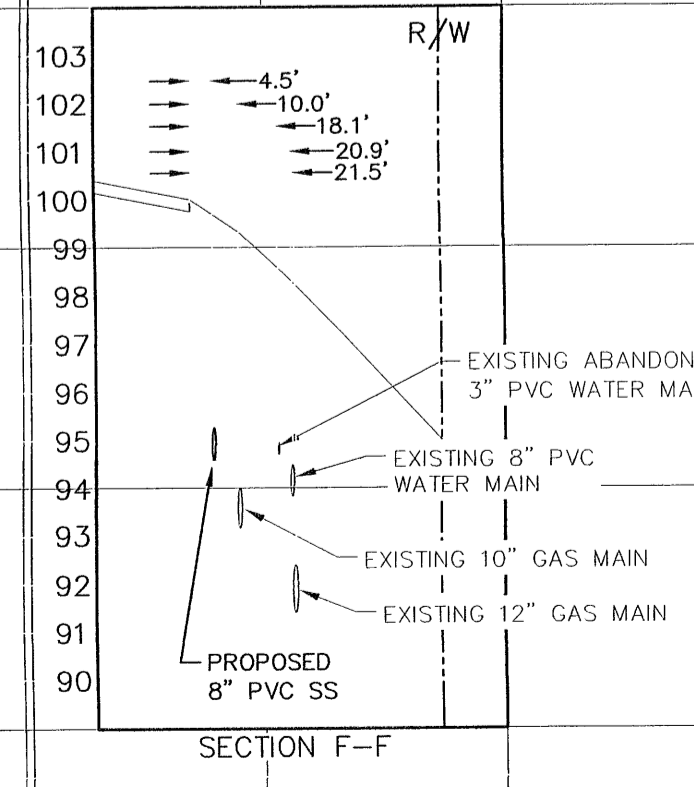


DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALMFOX STREET
 PENSACOLA, FL 32514
 PH: (850)746-8877 FAX: (850)746-7708

CARRINGTON VALLEY
 PLAN / PROFILE - OFFSITE SEWER



NOTE: LOCATION & DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY LOCATION PRIOR TO CONSTRUCTION.



PERMIT SET

| DATE | REVISION | NUMBER |
|------|----------|--------|
| | | |
| | | |
| | | |
| | | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

DATE:
PROJECT NUMBER: 08-102
PLOT DATE: 9/5/24
SHEET C19 of C33

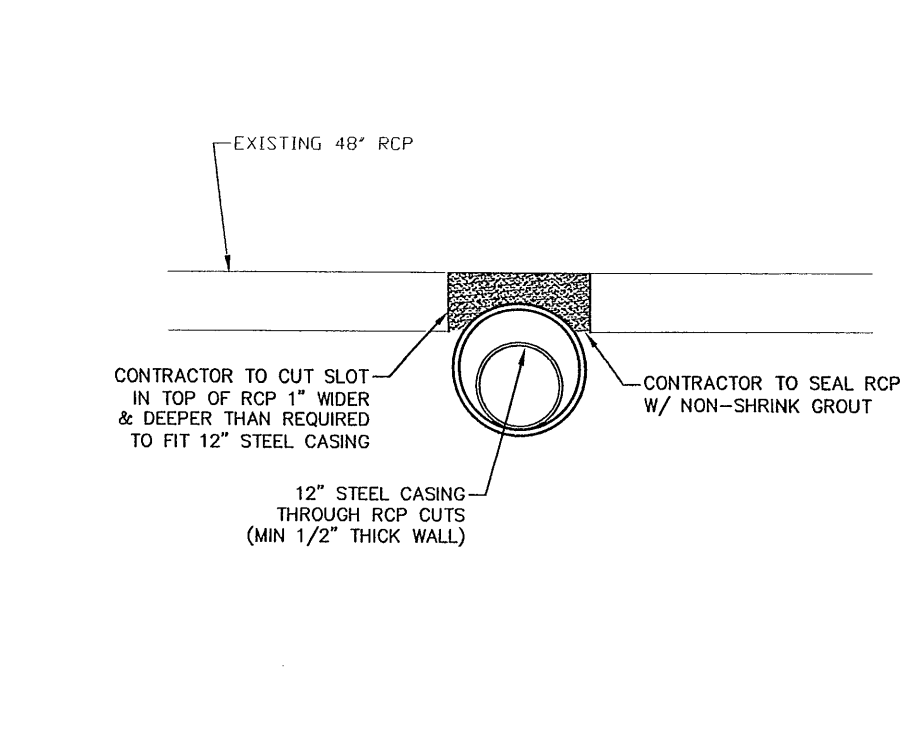
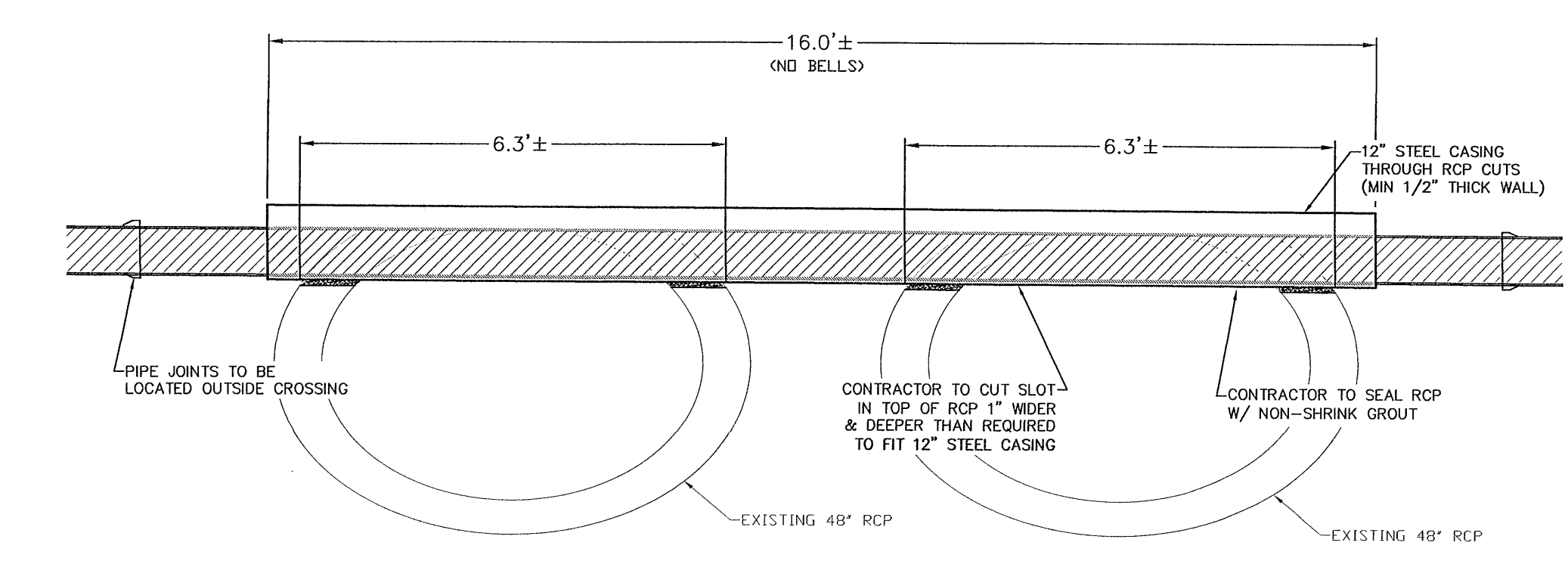
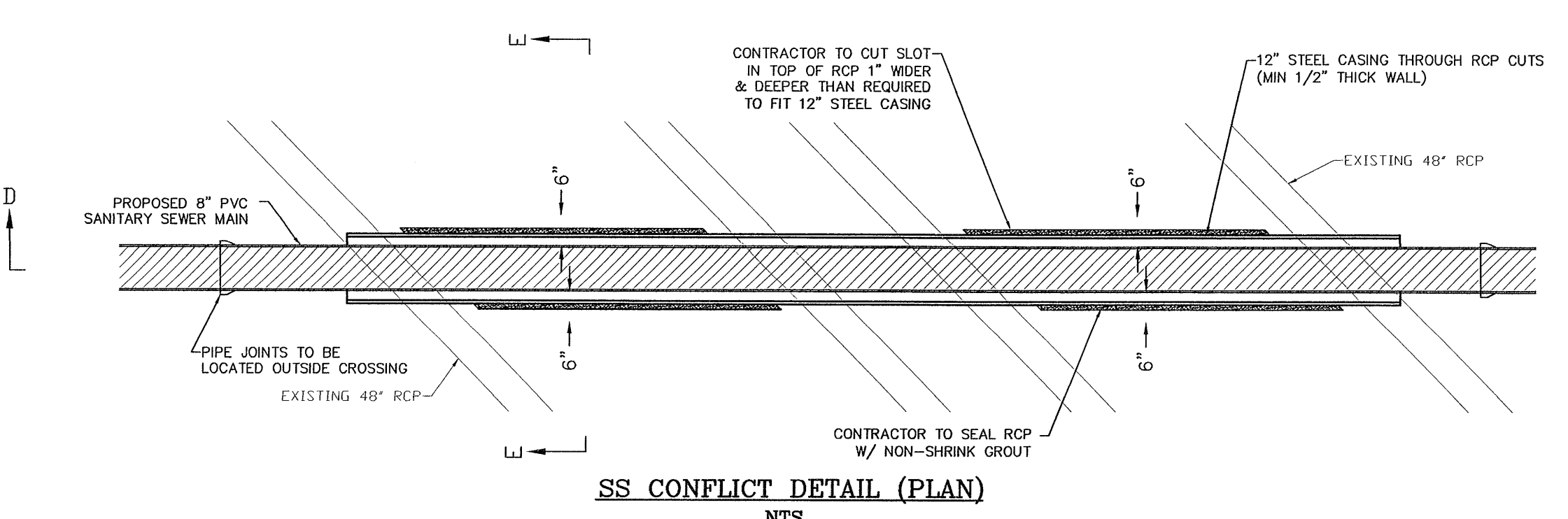
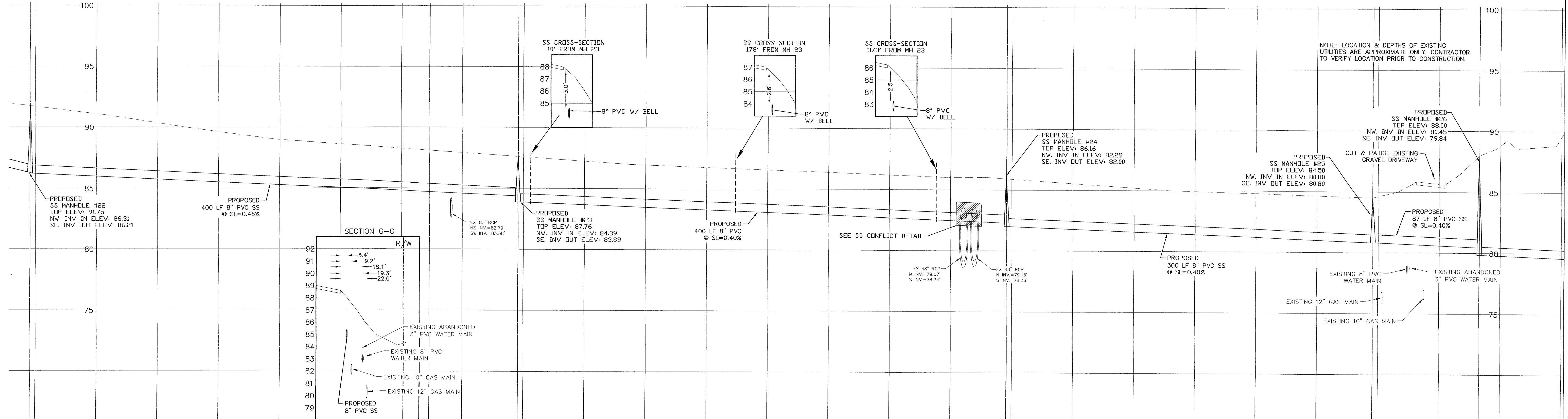
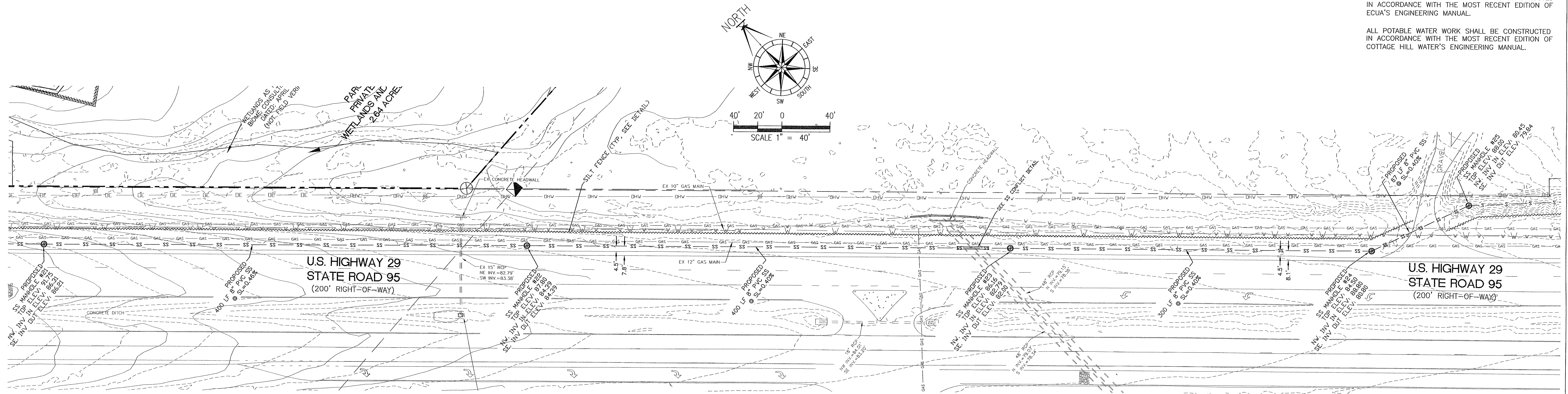
ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10256 NORTH PALMFOX STREET
 PENSACOLA, FL 32534
 PH: (850)476-6677 FAX: (850)476-7708

CARRINGTON VALLEY

PLAN / PROFILE - OFFSITE SEWER



PERMIT SET

DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK

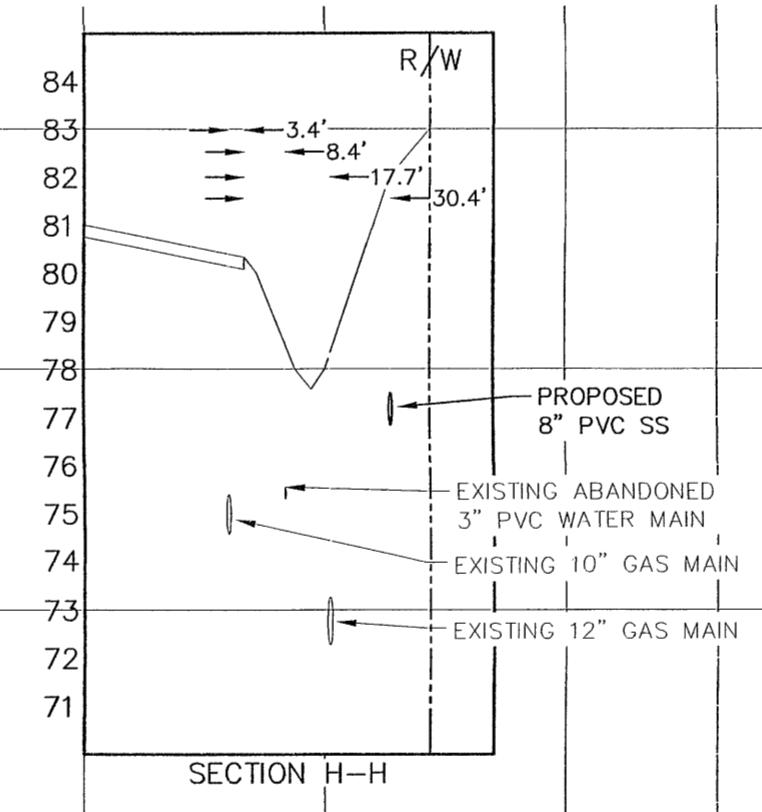
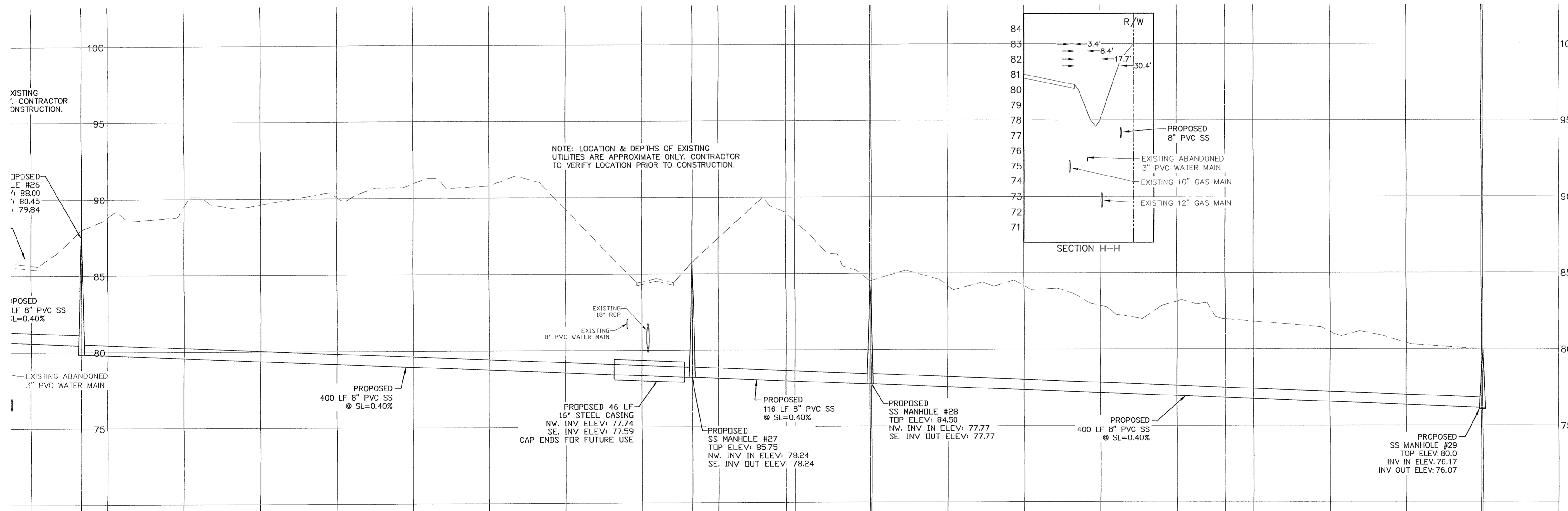
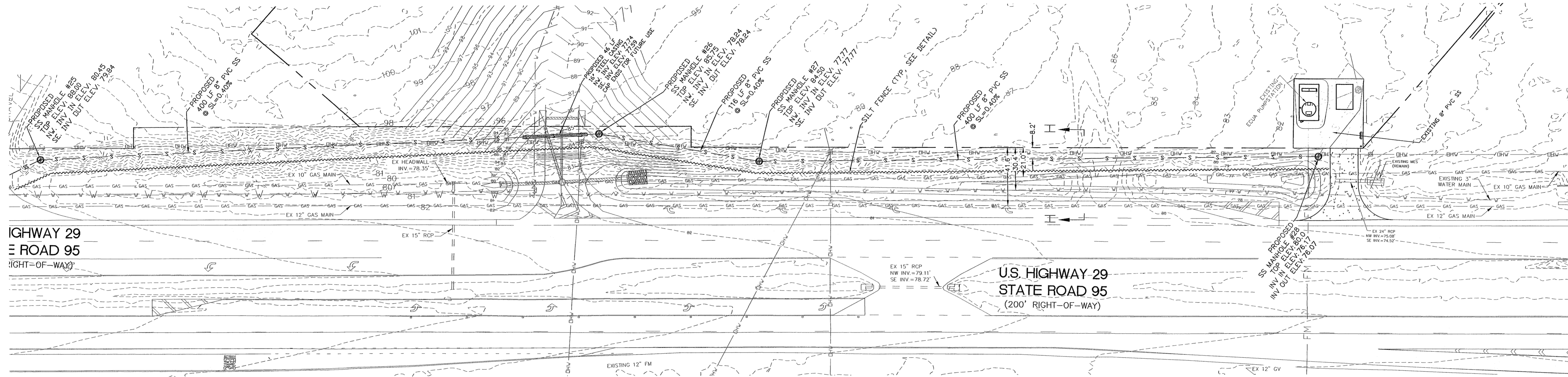
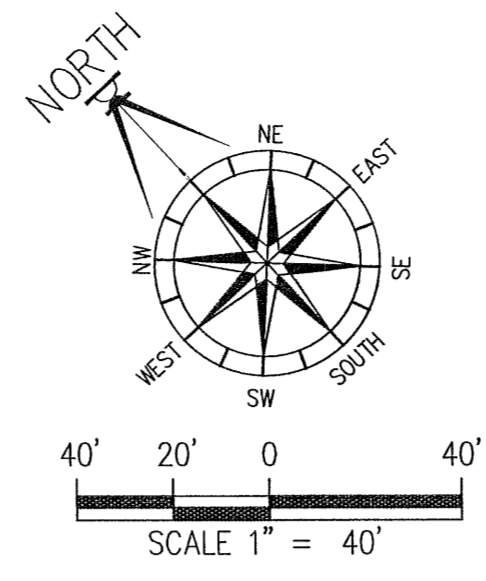
SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 LICENSE NO. 47818
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DATE: 08-102
 PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET C20 OF C33

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10225 W. STATE STREET
 PENSACOLA, FL 32504
 PH: (850)476-8677 FAX: (850)476-7708



NOTE: LOCATION & DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY LOCATION PRIOR TO CONSTRUCTION.

PERMIT SET

CARRINGTON VALLEY
 PLAN / PROFILE - OFFSITE SEWER

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK

DATE: 08-102
 PROJECT NUMBER: 9/5/24
 PLOT DATE: C21 OF C33

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALM COX STREET
 TAMPA, FLORIDA 33618
 PH: (850) 775-8677 FAX: (850) 476-7708

CARRINGTON VALLEY
 PLAN / PROFILE - WEST SWALE

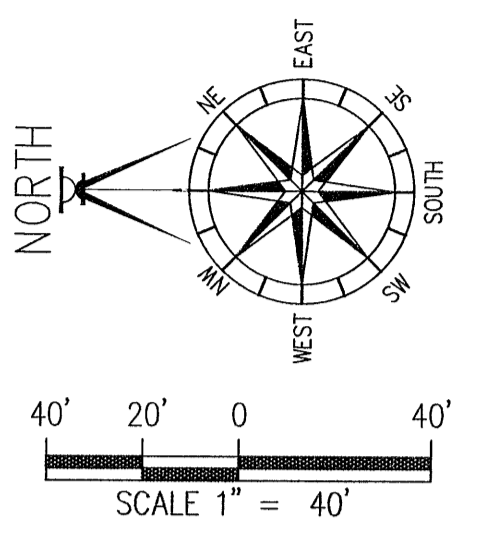
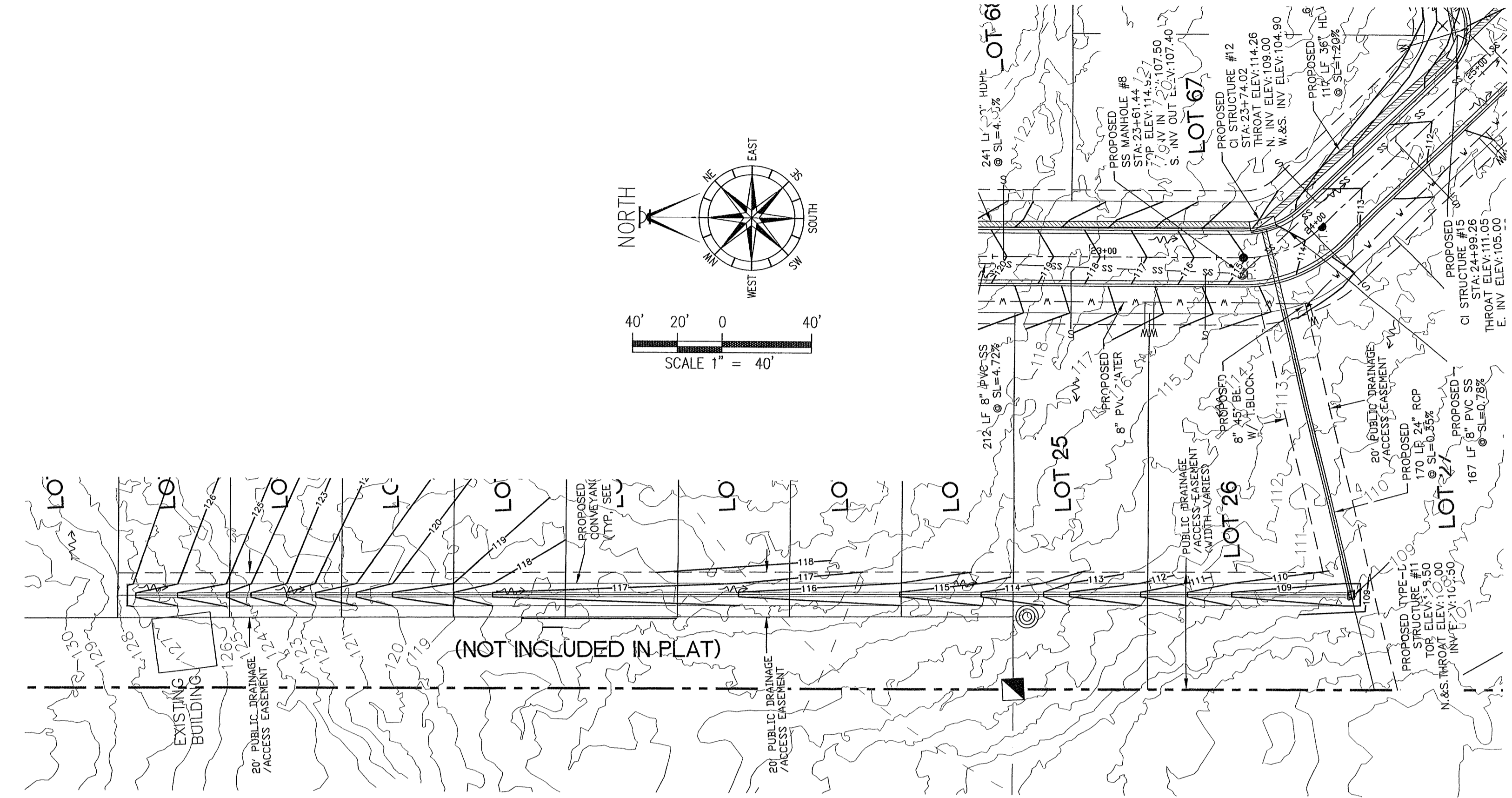
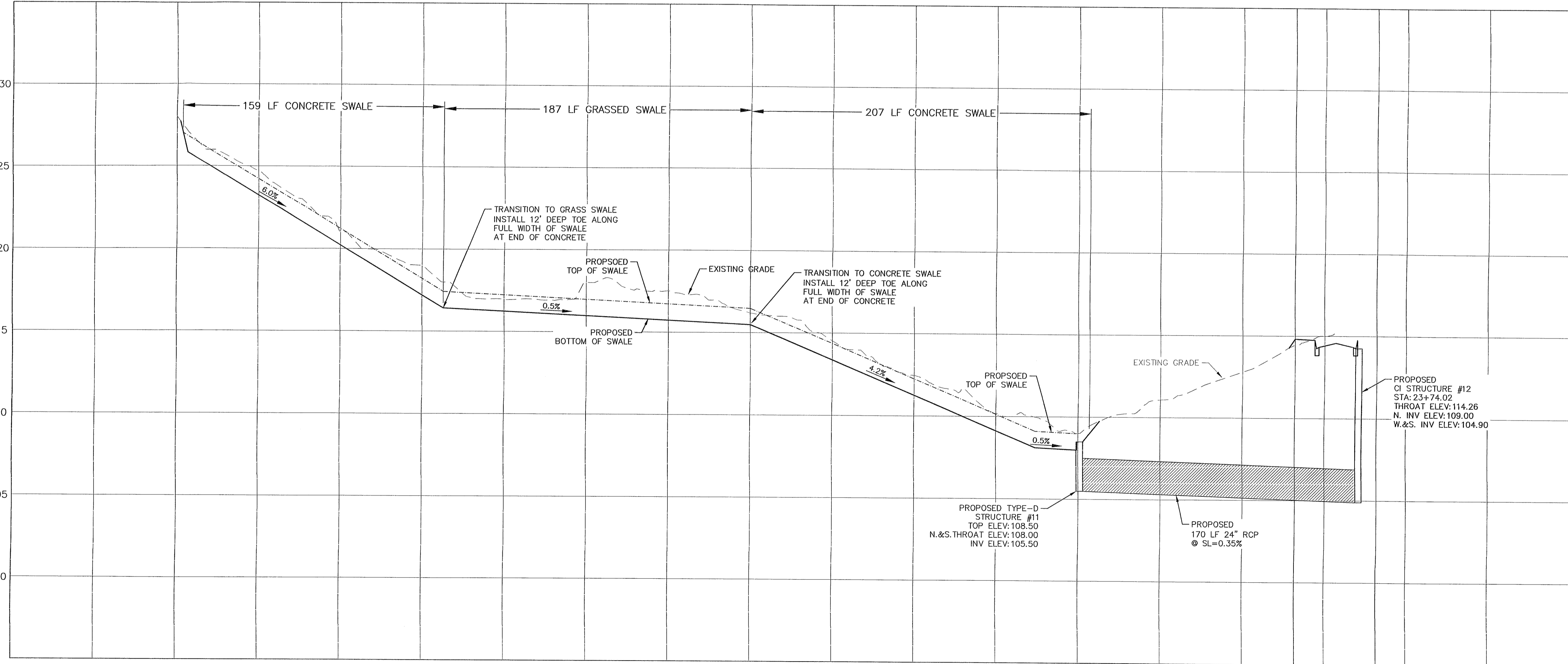
| NUMBER | REVISION | DATE |
|--------|----------|------|
| | | |
| | | |
| | | |
| | | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 No. 47818
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET C22 OF C33



PERMIT SET

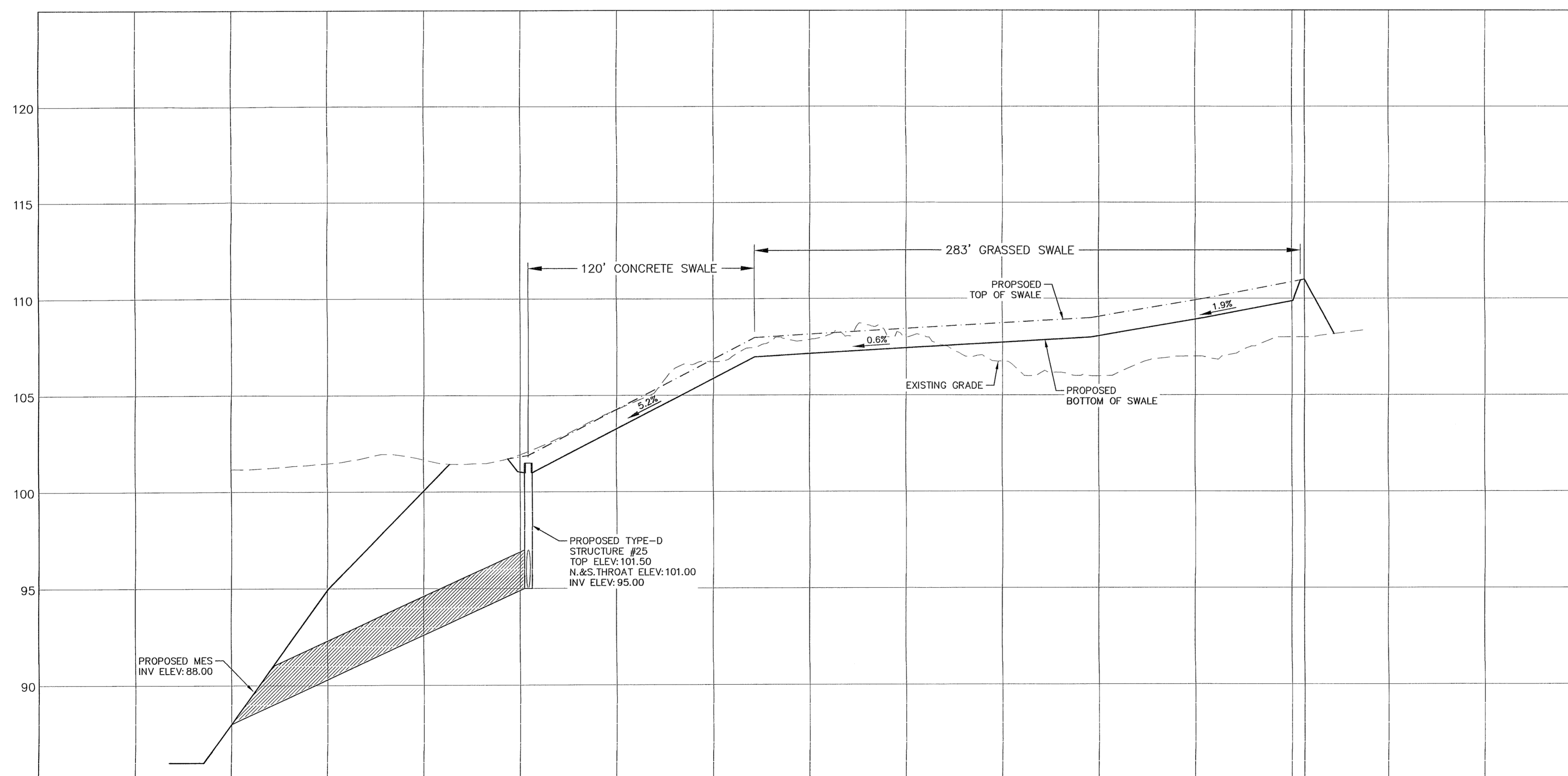
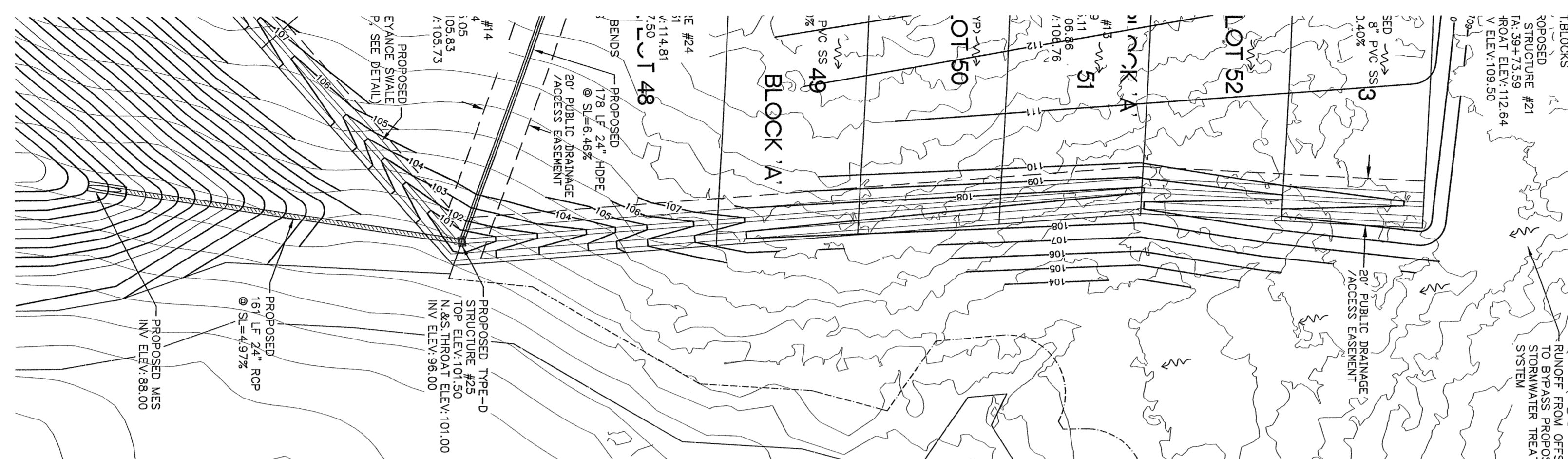
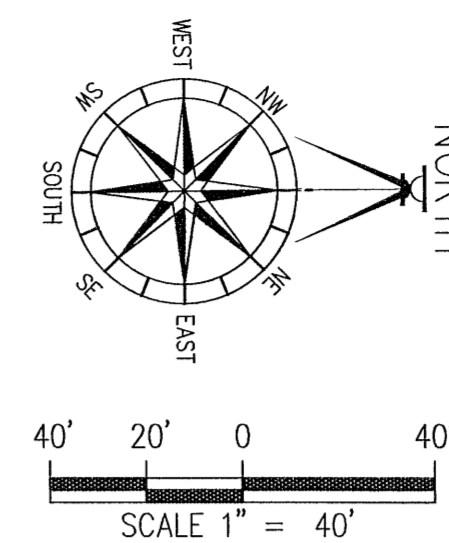
ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10256 W. STATE STREET
 PENSACOLA, FL 32534
 PH: (850)476-8577 FAX: (850)476-7708

CARRINGTON VALLEY

PLAN / PROFILE - SOUTHEAST SWALE

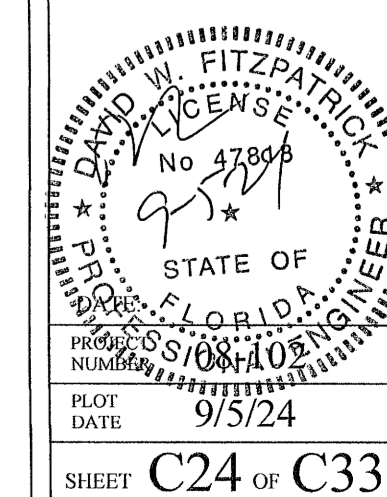


PERMIT SET

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

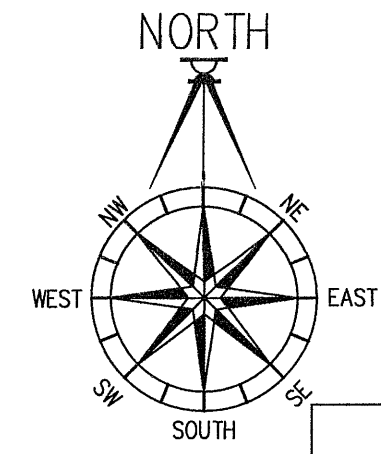
DRAWN BY:
A. BURKETT
 DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL



PLOT DATE: 9/5/24

SHEET C24 OF C33



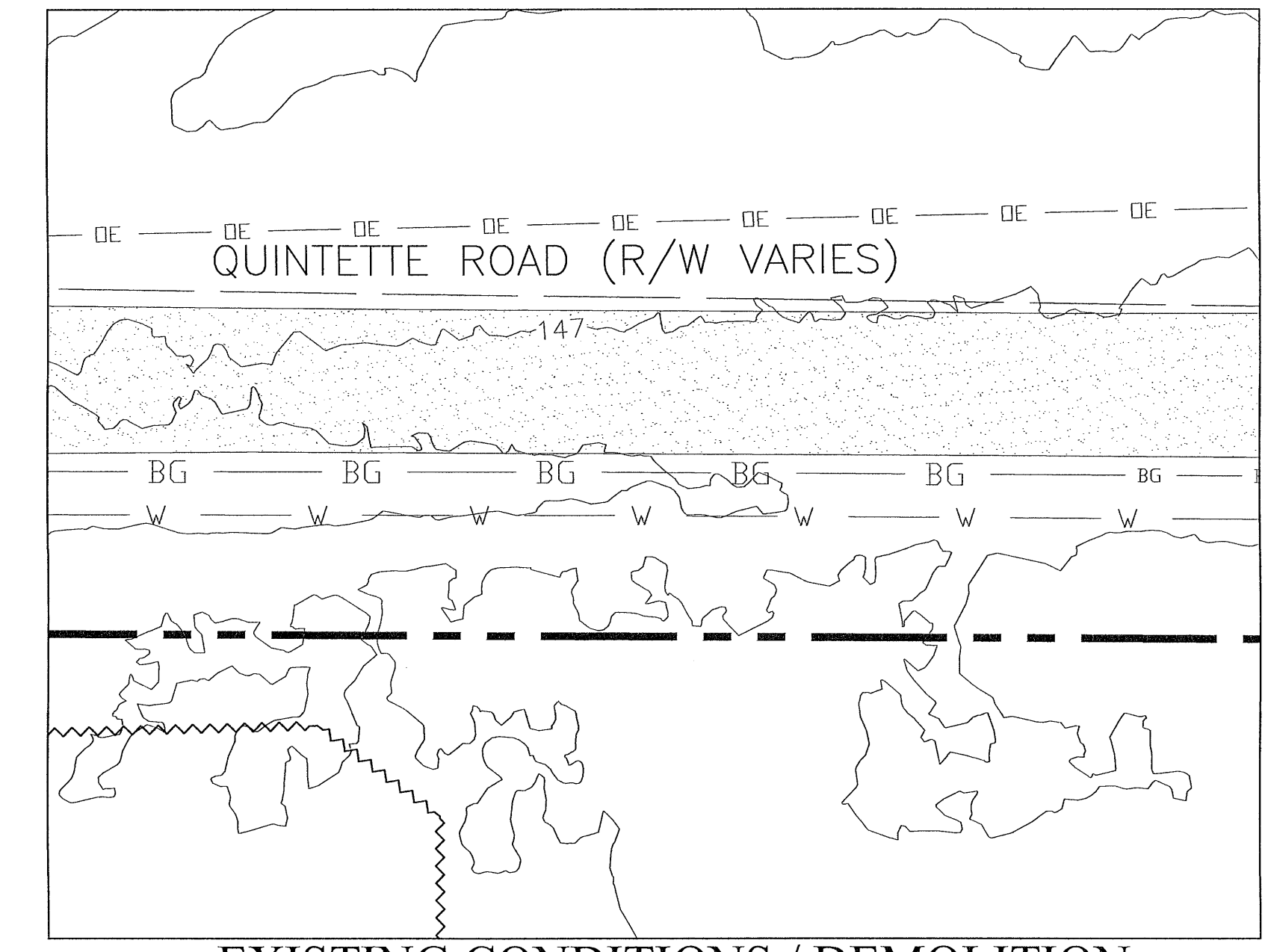
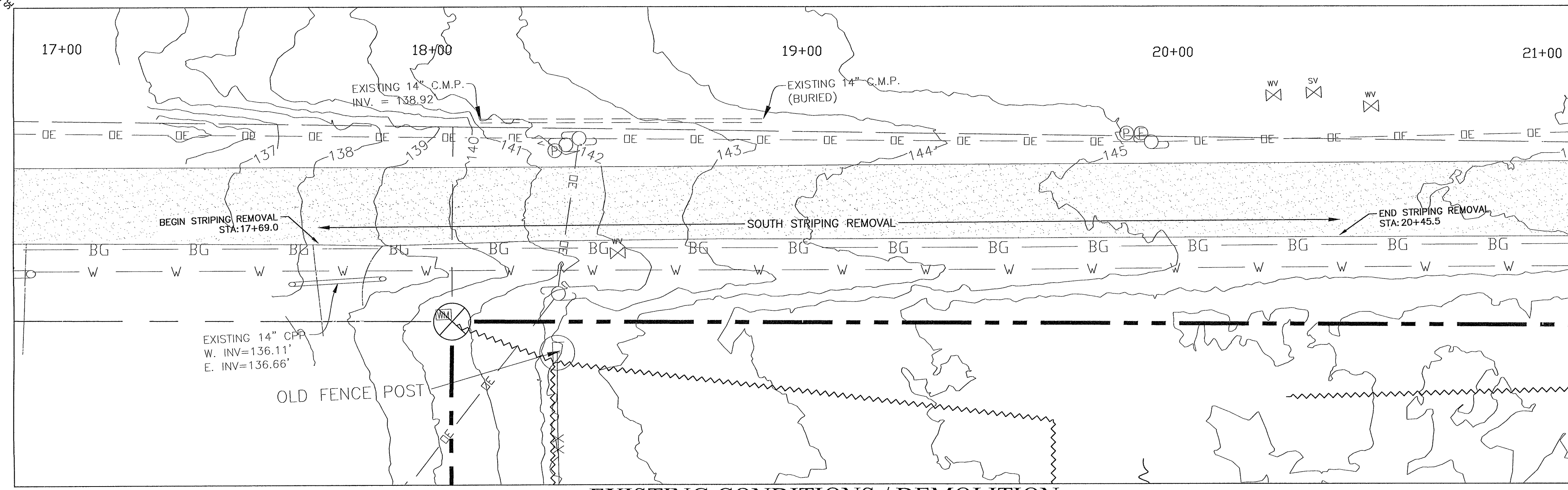
ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

R/W STABILIZATION NOTE:
 EXISTING DRAINAGE SWALE WITHIN THE QUINTETTE ROAD R/W SHALL BE RESTORED AS NEEDED TO ENSURE ADEQUATE DRAINAGE. R/W SHOULDER STABILIZATION SHOULD BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.

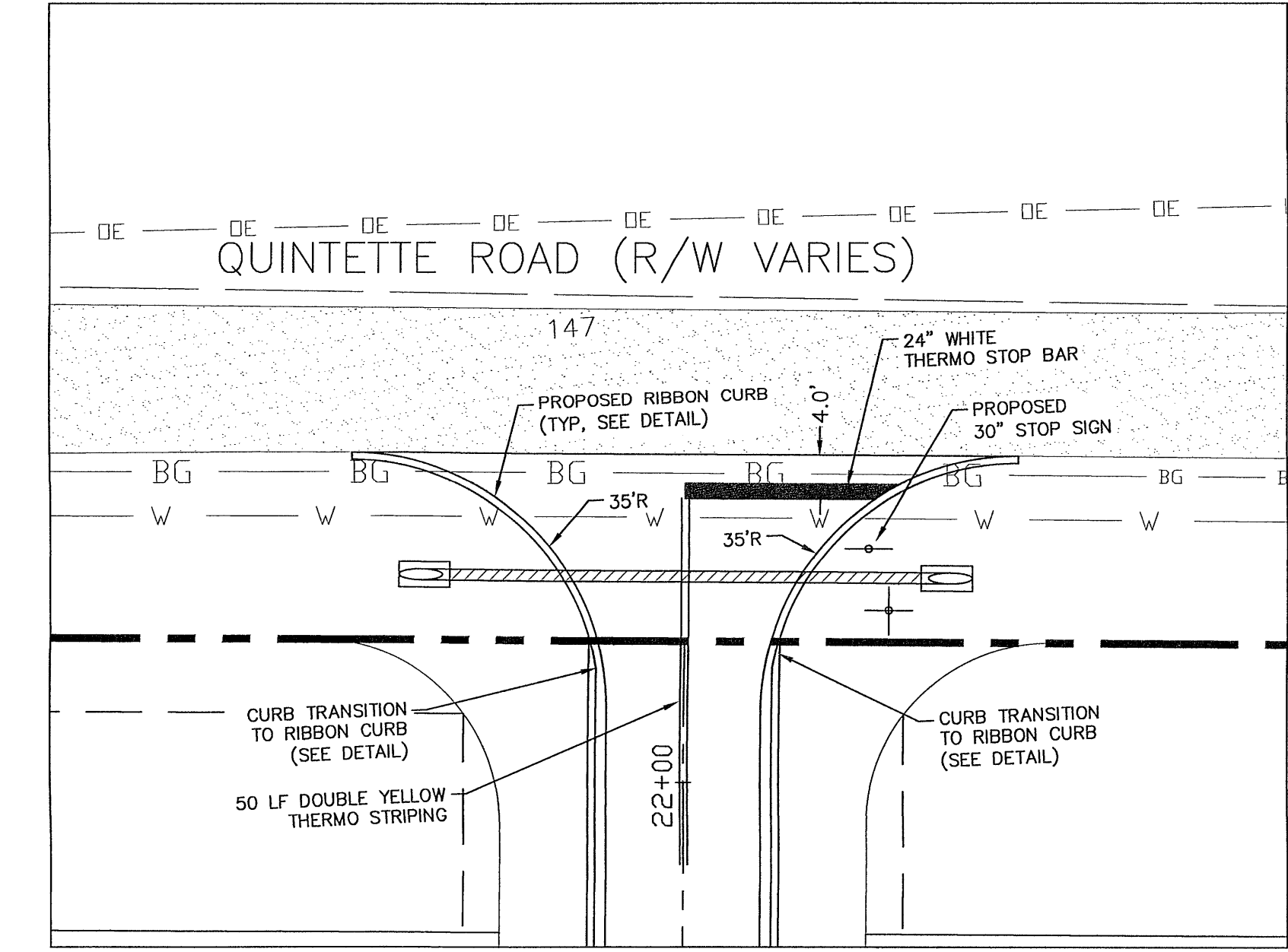
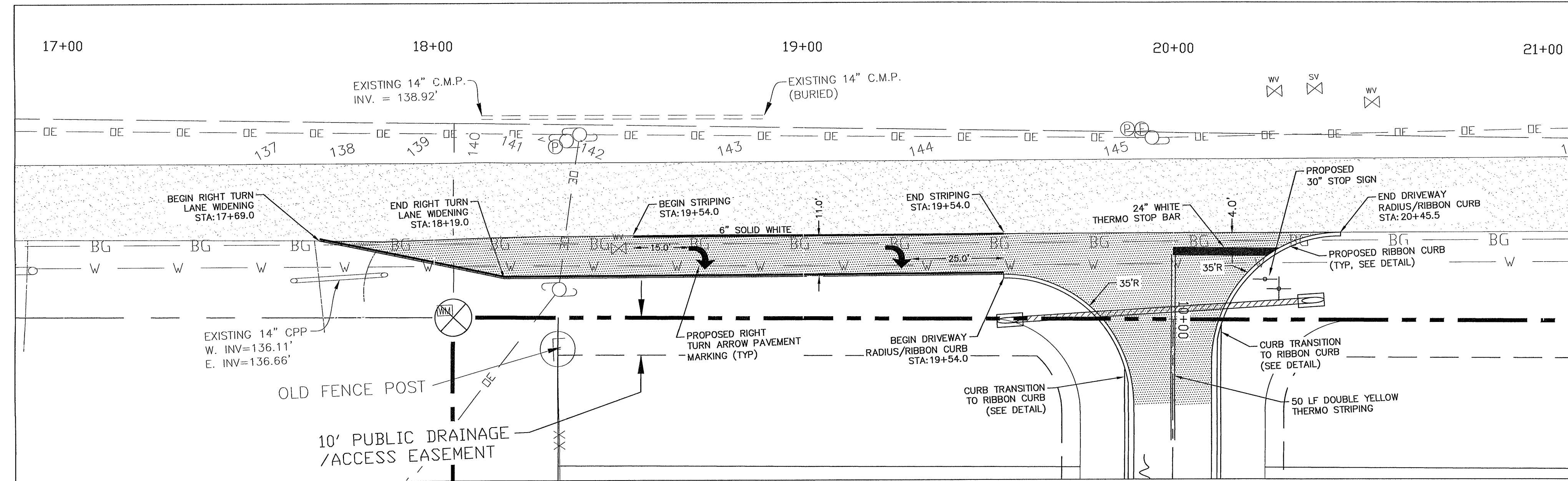
WEST DRIVEWAY / RIGHT TURN LANE

EAST DRIVEWAY



EXISTING CONDITIONS / DEMOLITION

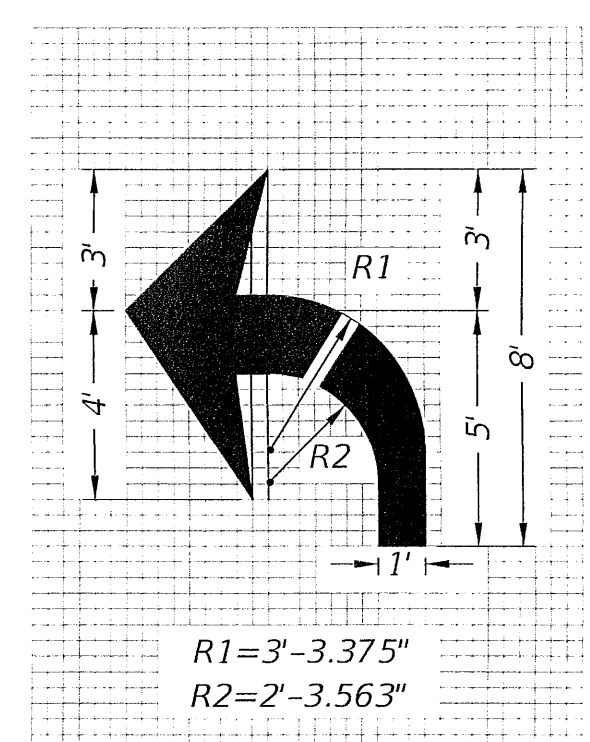
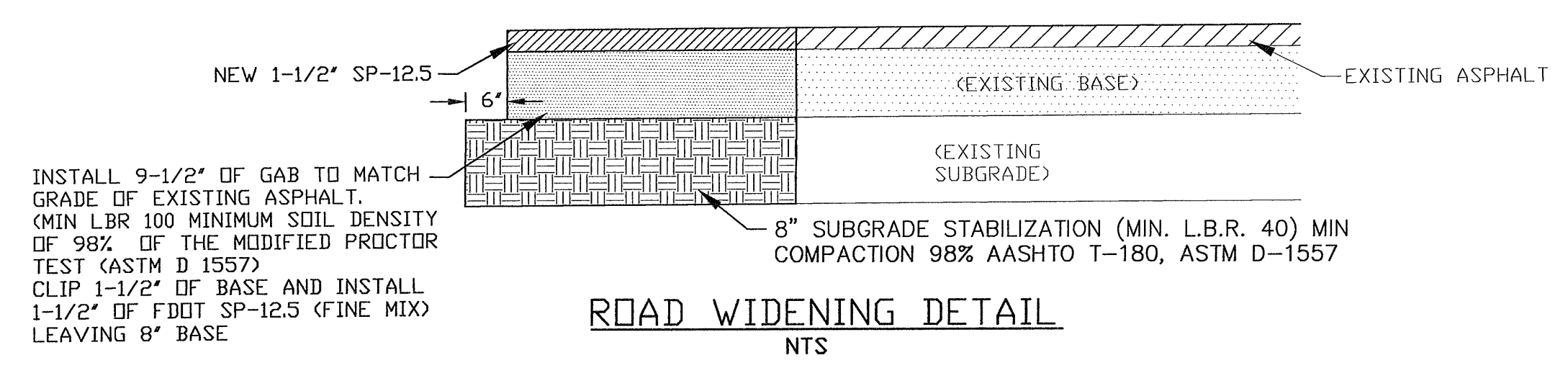
EXISTING CONDITIONS / DEMOLITION



SITE PLAN

SITE PLAN

- NOTES:
1. THROUGH LANES SHALL BE INSTALLED IN ONE CONTINUOUS PULL.
 2. ALL NEW BASE MATERIAL SHALL BE GRADED AGGREGATE.
 3. FOR IMPROVEMENTS TO ALL COUNTY ROADS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ALL NECESSARY LEVELING COURSES TO PROVIDE A PROPER ROADWAY CROSS-SECTION. CROSS-SECTIONS SHALL HAVE A 2% CROWNED ROADWAY WITH A MINIMUM 2' STABILIZED SHOULDER AT 6% SLOPE MAX.
 4. ALL STRIPING TO BE THERMOPLASTIC. NO TAPE ALLOWED.



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10259 NORTH PALMWAY, SUITE 100
 COTTAGE HILL, FLORIDA 32009
 PH: (850)476-8577 FAX: (850)476-7708

CARRINGTON VALLEY
 DRIVEWAYS / RIGHT TURN LANE

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY
 A. BURKETT

DESIGNED BY
 D. FITZPATRICK

SIGNATURE & SEAL
 DAVID W. FITZPATRICK, P.E.
 No. 47848
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

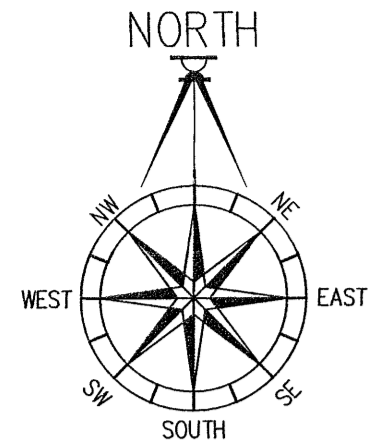
DATE
 08-10-24

PROJECT NUMBER
 08-102

PLOT DATE
 9/5/24

SHEET
 C26 OF C33

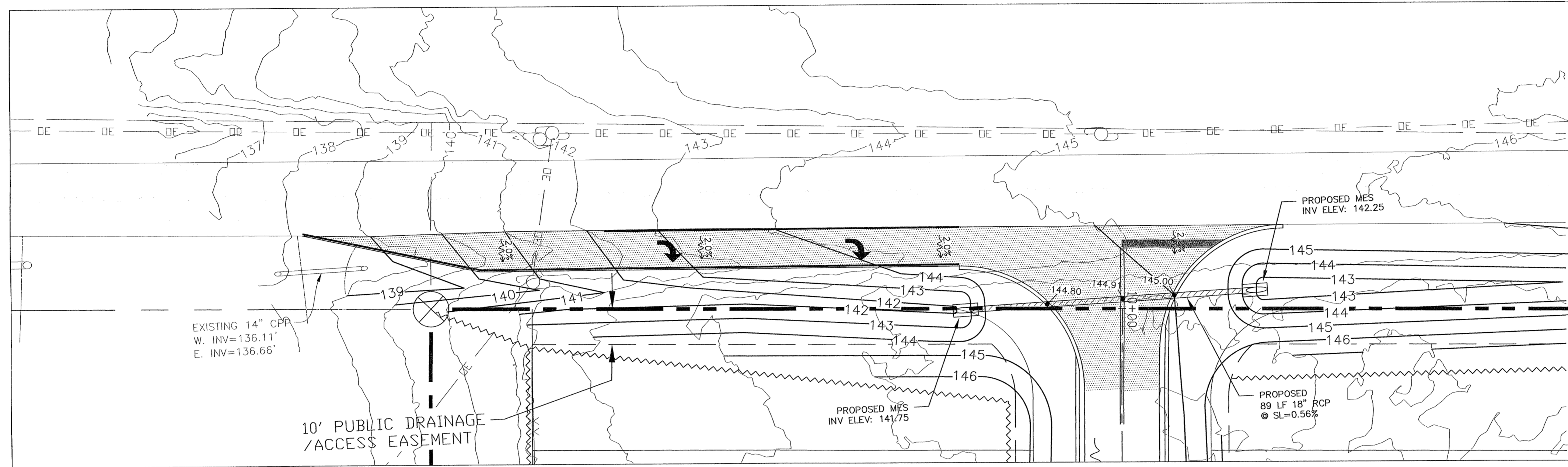
PERMIT SET



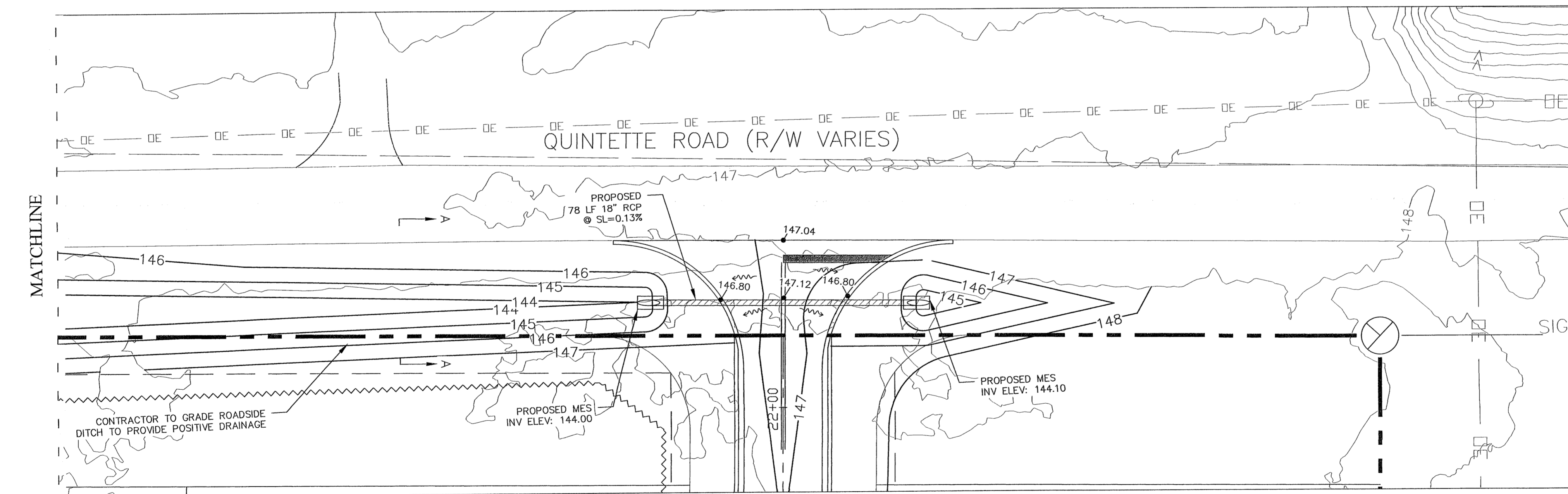
ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

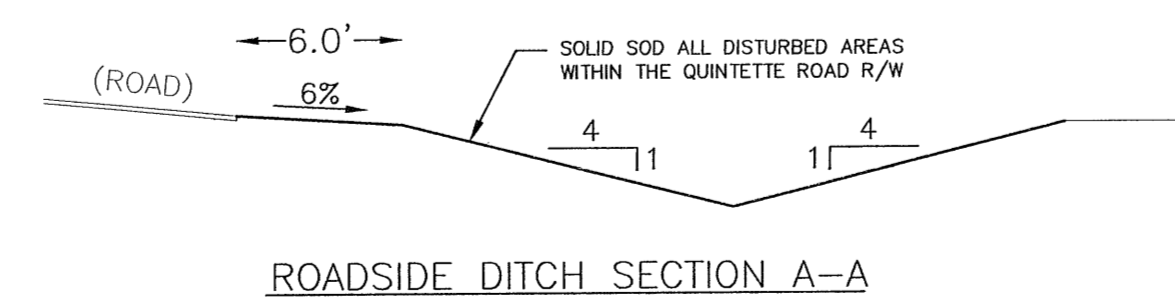
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 1000 PINECREEK BLVD., SUITE 200
 PENSACOLA, FL 32504
 PH: (850)476-8677 FAX: (850)476-7708



MATCHLINE



MATCHLINE



CARRINGTON VALLEY

DRIVEWAYS / RIGHT TURN LANE GRADING

| | |
|------|--|
| DATE | |
| BY | |
| NO. | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 LICENSE NO. 47818
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET: C27 OF C33

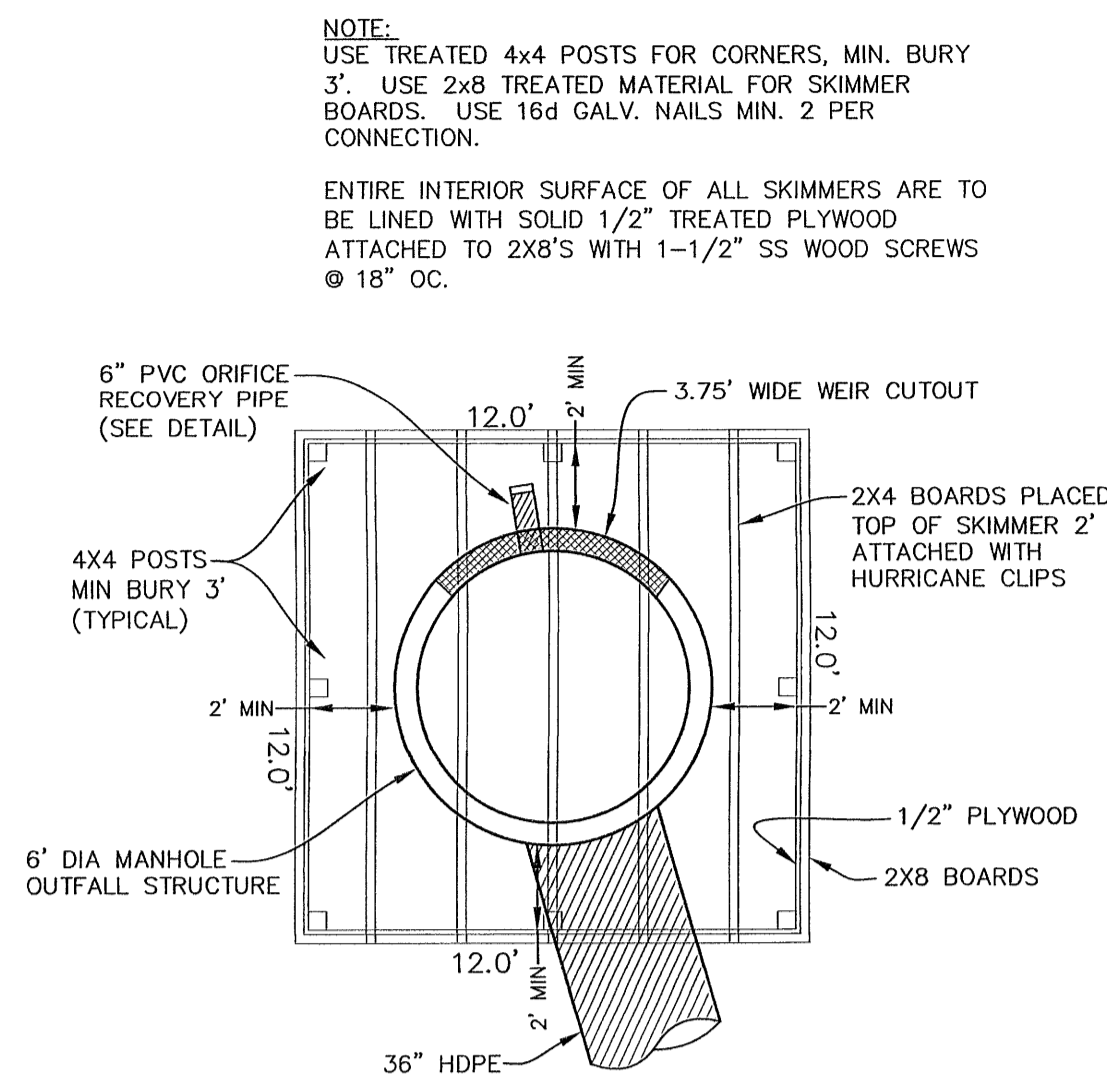
PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

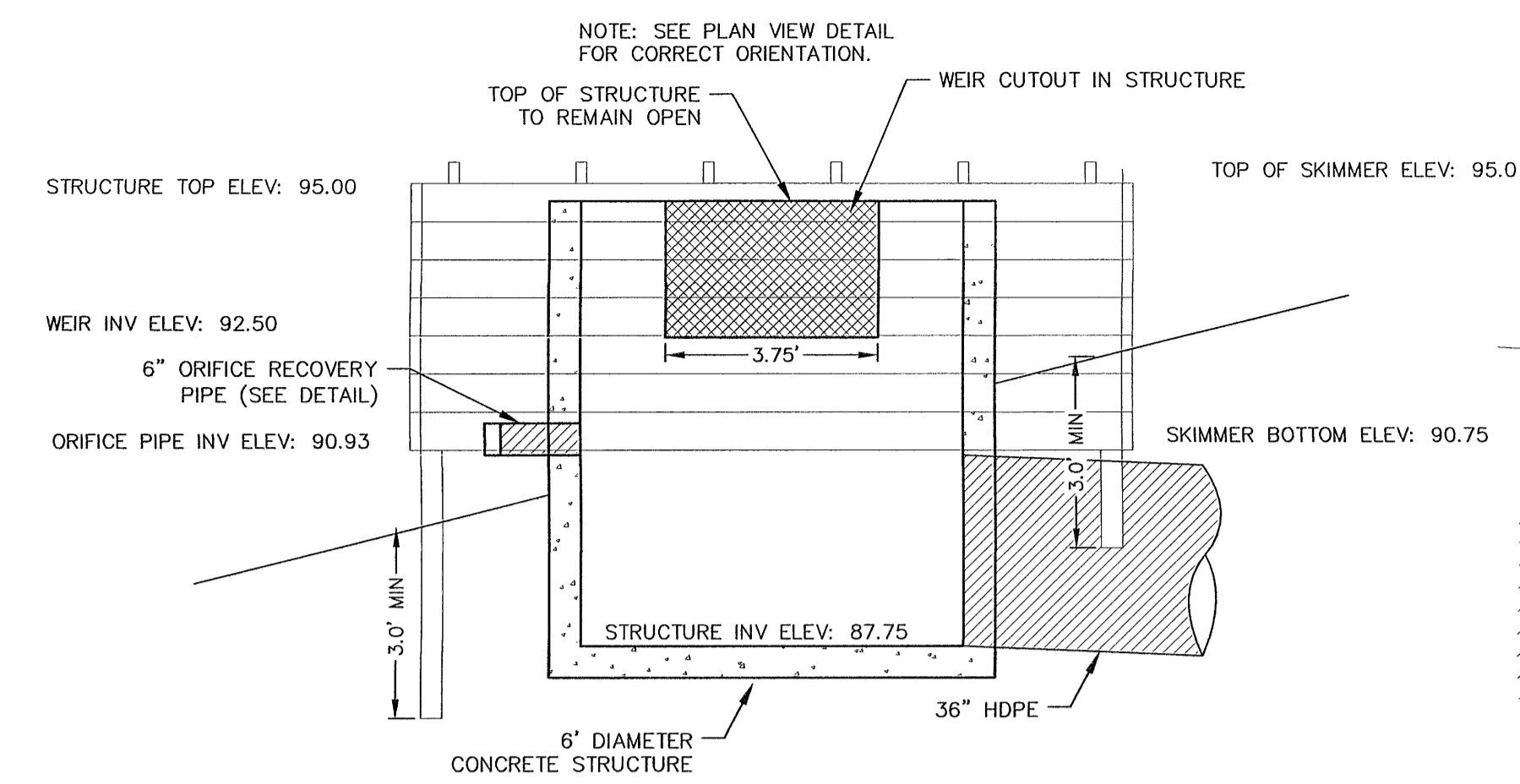
ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALM COX STREET
 TAMPA, FLORIDA 33618
 PH: (850)476-8577 FAX: (850)476-7708

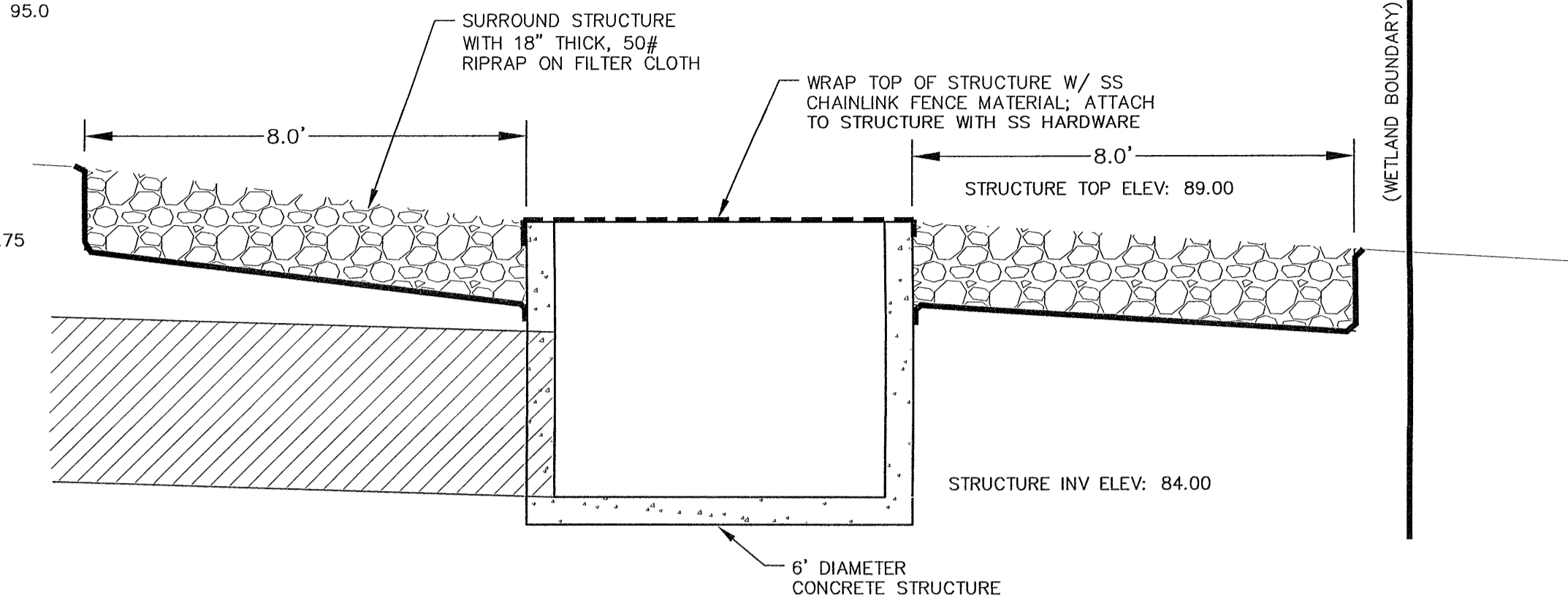
CARRINGTON VALLEY
 DETAILS - WET DETENTION POND



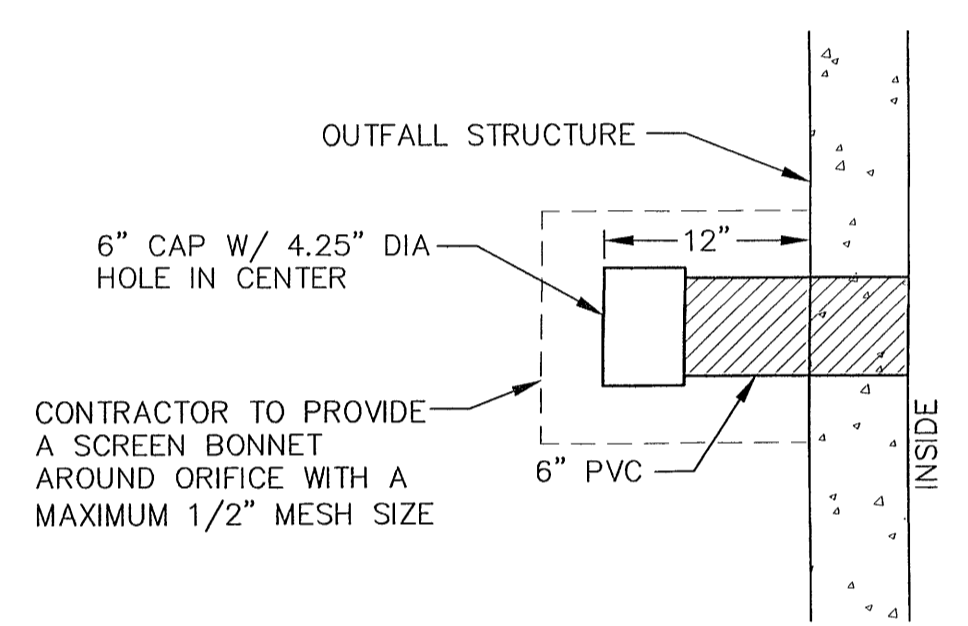
OUTFALL STRUCTURE #30 (PLAN)
 NTS



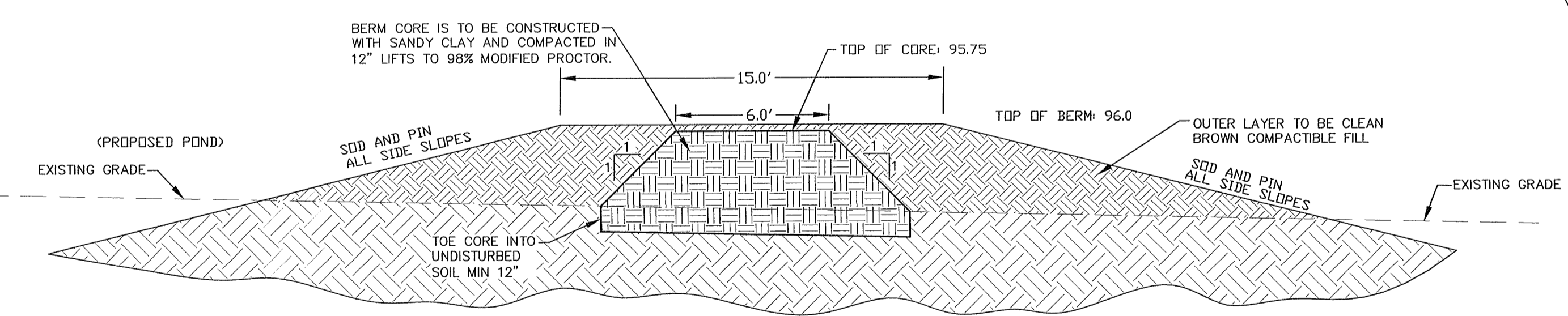
OUTFALL STRUCTURE #27 (PROFILE)
 NTS



BUBBLE-UP STRUCTURE #28 (PROFILE)
 NTS

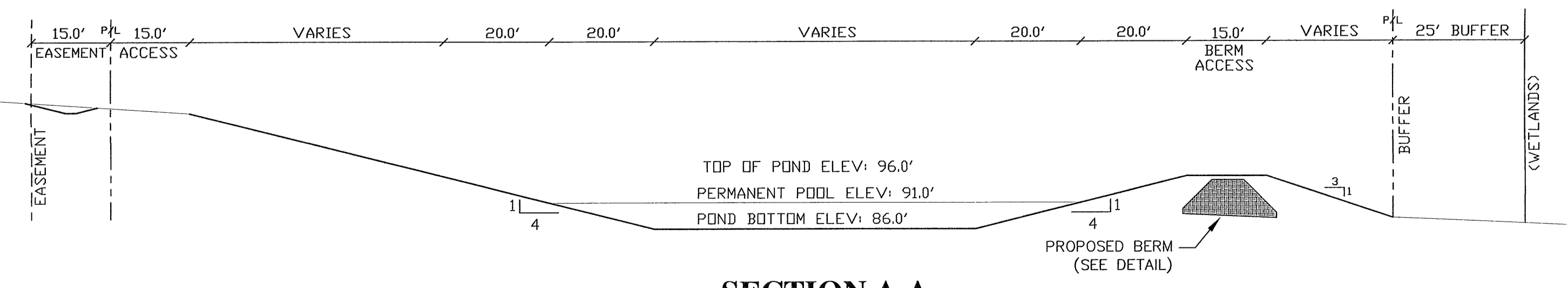


ORIFICE RECOVERY PIPE DETAIL
 NTS

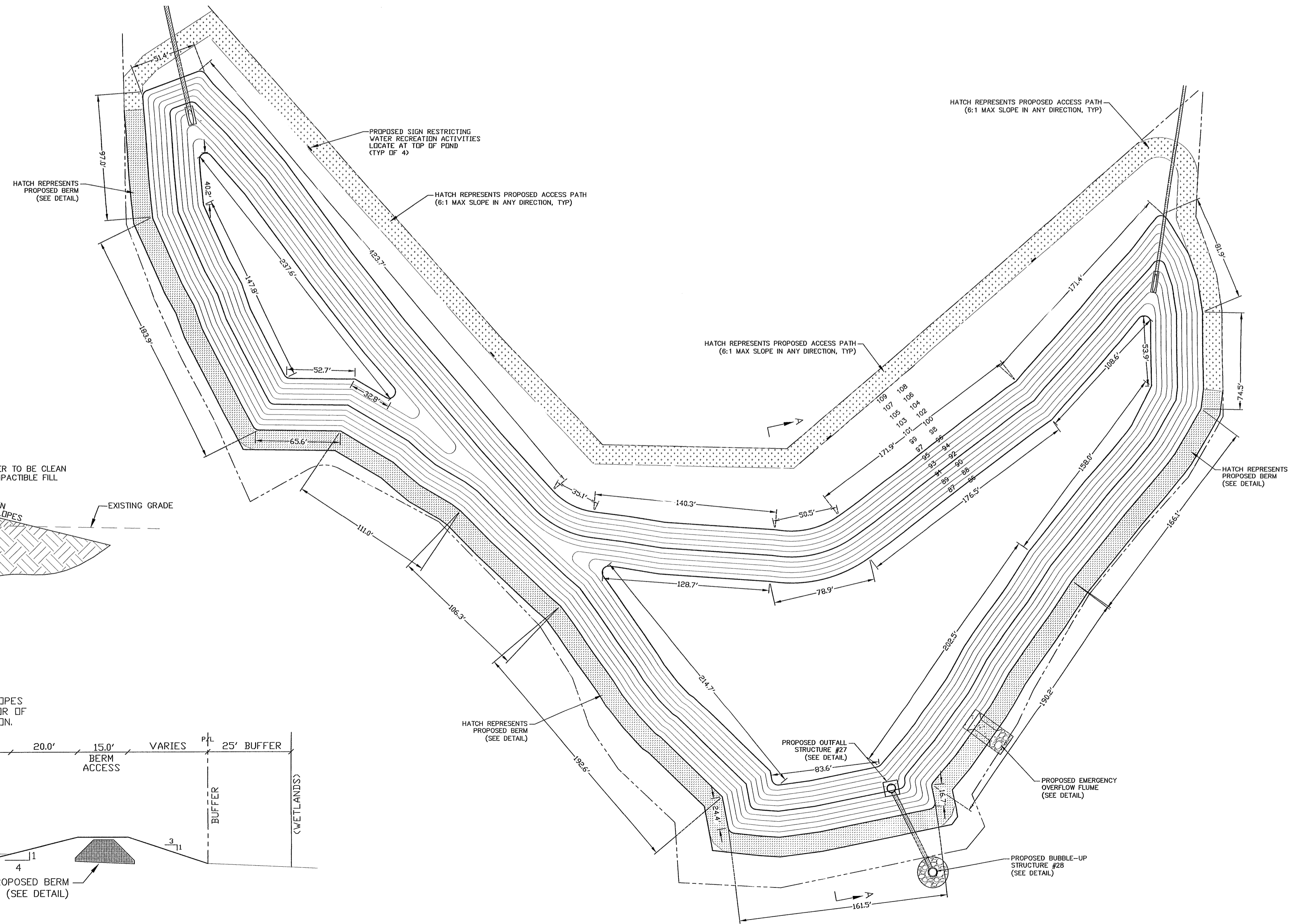


BERM DETAIL (PROFILE)
 NTS

STABILIZATION NOTE: CONTRACTOR IS TO SOD & PIN ALL SIDE SLOPES & BERM OF POND ONCE FINAL GRADES ARE ESTABLISHED. INTERIOR OF POND TO ONLY BE SODDED ABOVE THE PERMANENT POOL ELEVATION.



SECTION A-A
 NTS



WET DETENTION POND DETAIL
 NTS

PERMIT SET

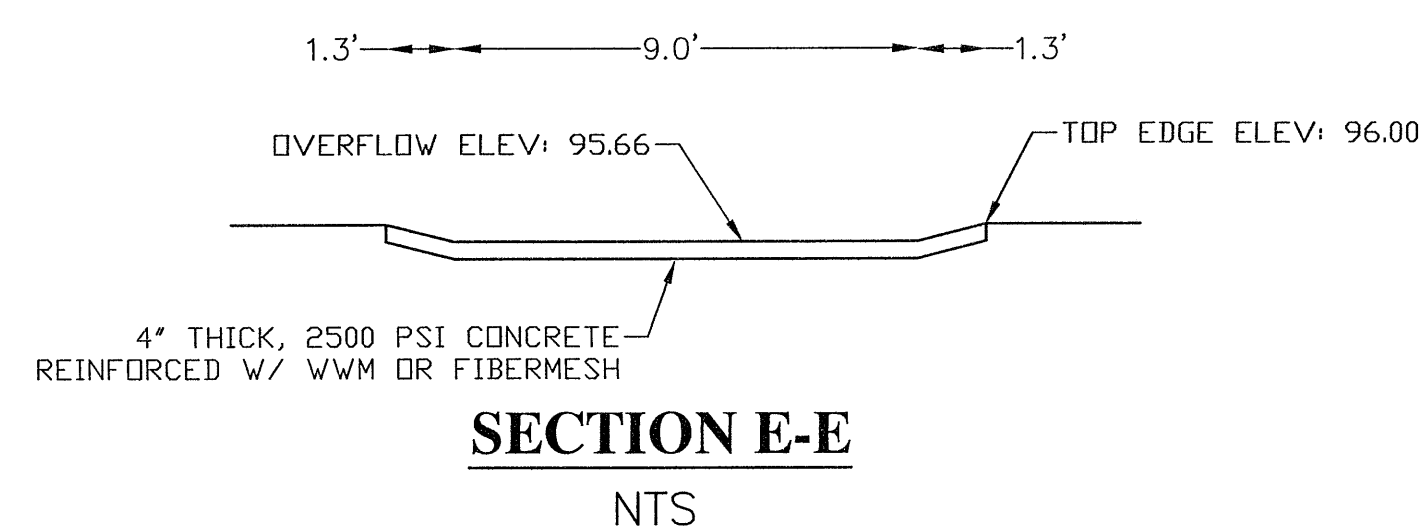
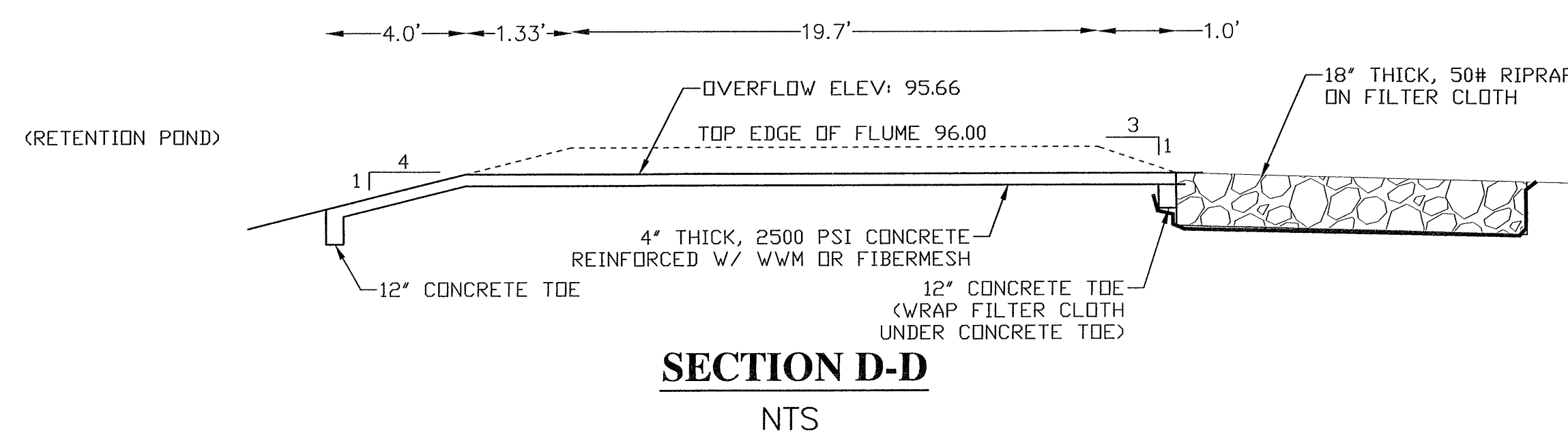
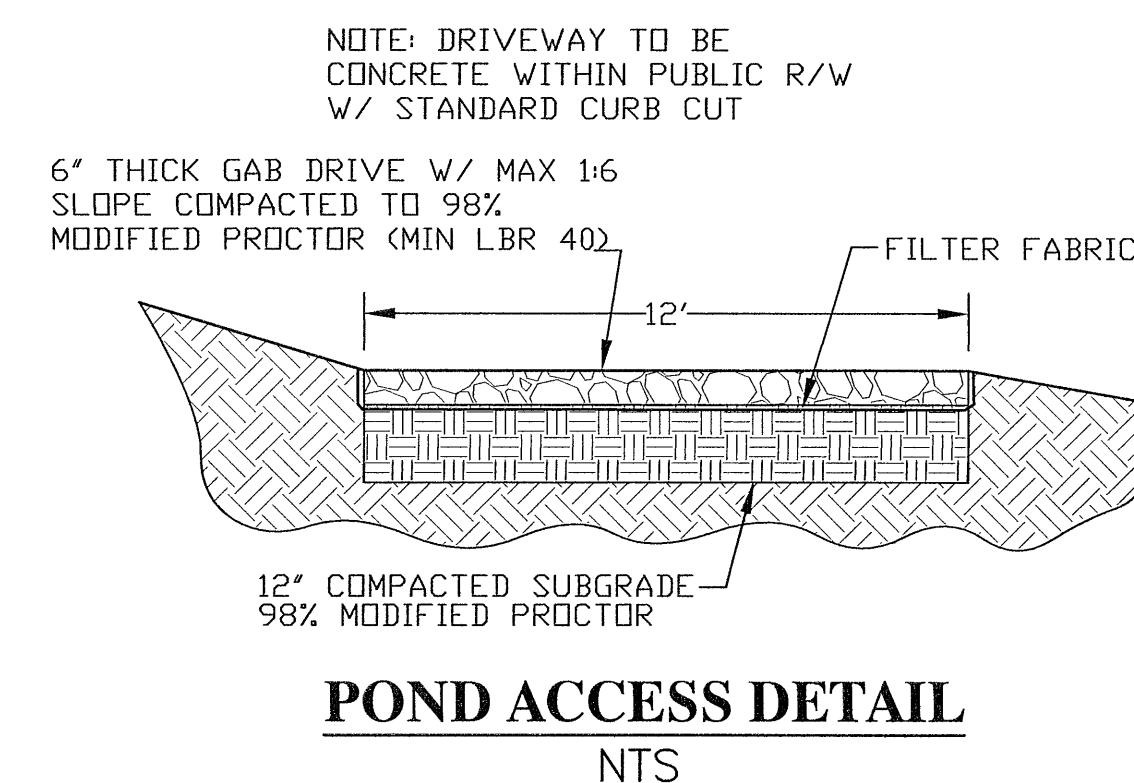
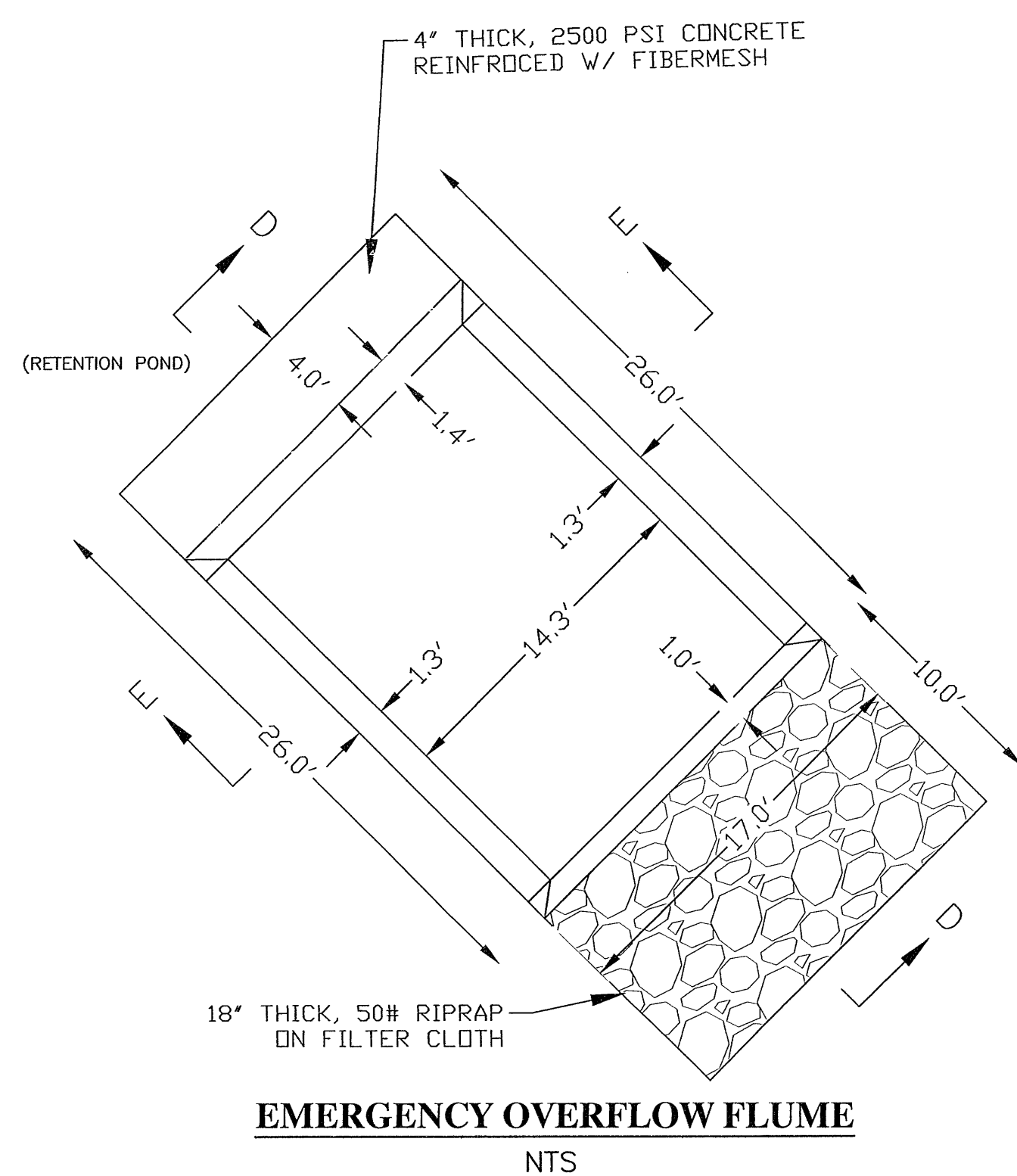
| | |
|------------------|----------------|
| DATE | |
| REVISION | |
| NUMBER | |
| DRAWN BY | A. BURKETT |
| DESIGNED BY | D. FITZPATRICK |
| SIGNATURE & SEAL | |
| | |
| DATE | |
| PROJECT NUMBER | 08-102 |
| PLAT DATE | 9/5/24 |
| SHEET | C28 OF C33 |

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 W. WINDYBROOK DRIVE
 BOCA RATON, FLORIDA 33433
 PH: (850) 476-8677 FAX: (850) 476-7708

CARRINGTON VALLEY
 DETAILS - WET DETENTION POND



| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

DATE: _____

PROJECT NUMBER: 08-102

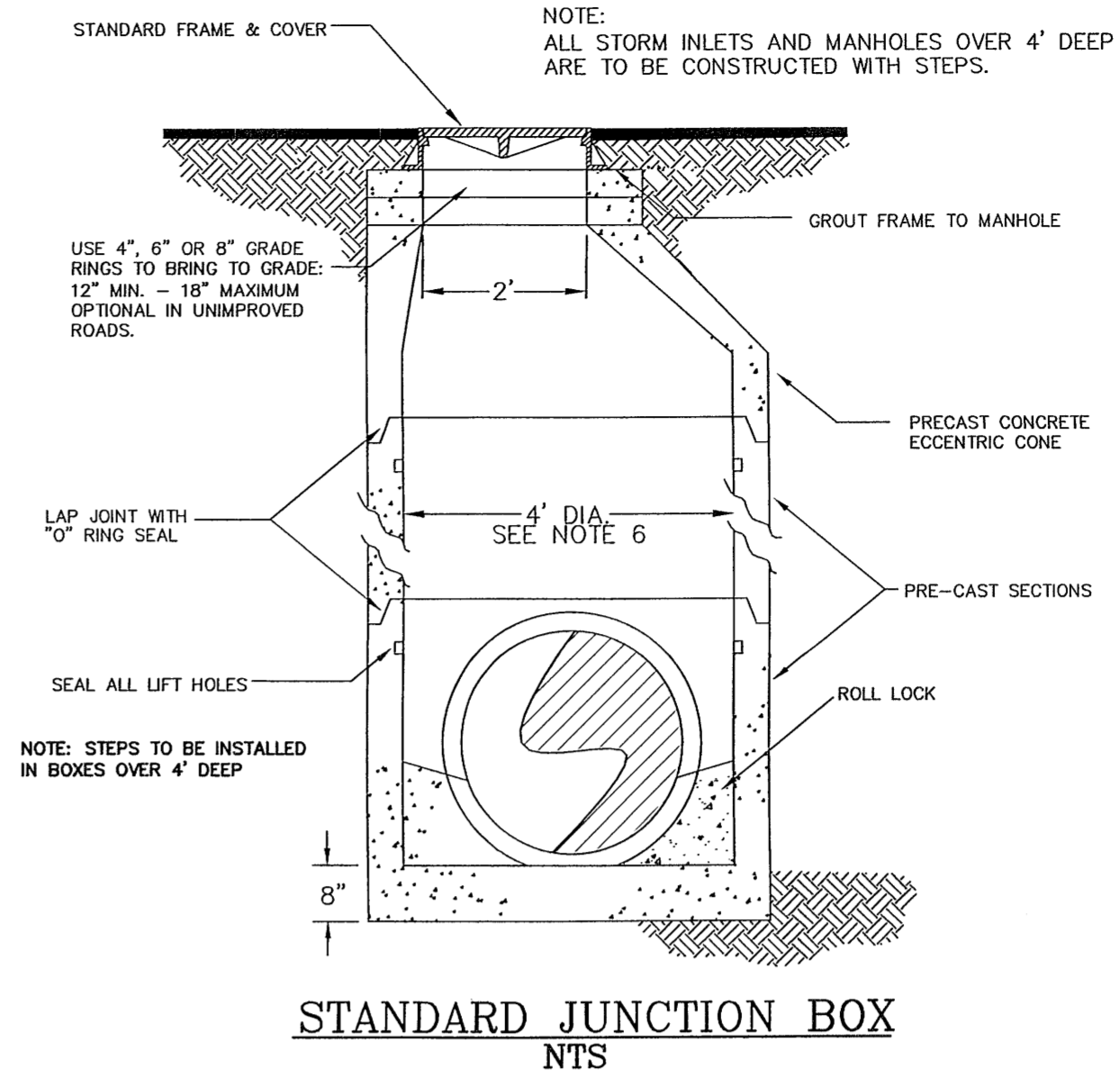
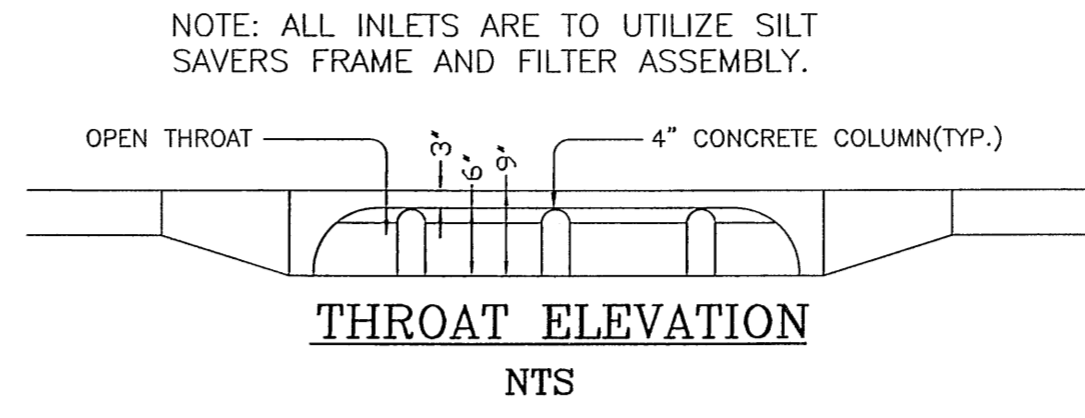
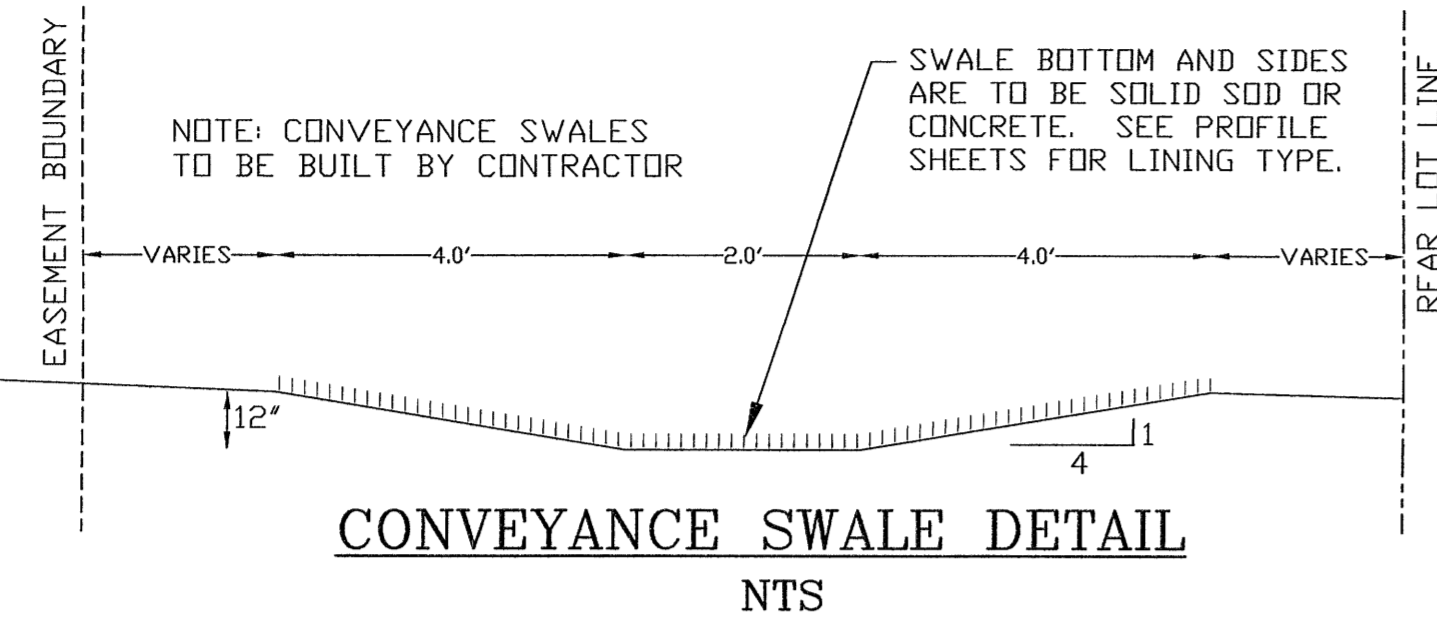
PLAT DATE: 9/5/24

SHEET C29 OF C33

PERMIT SET

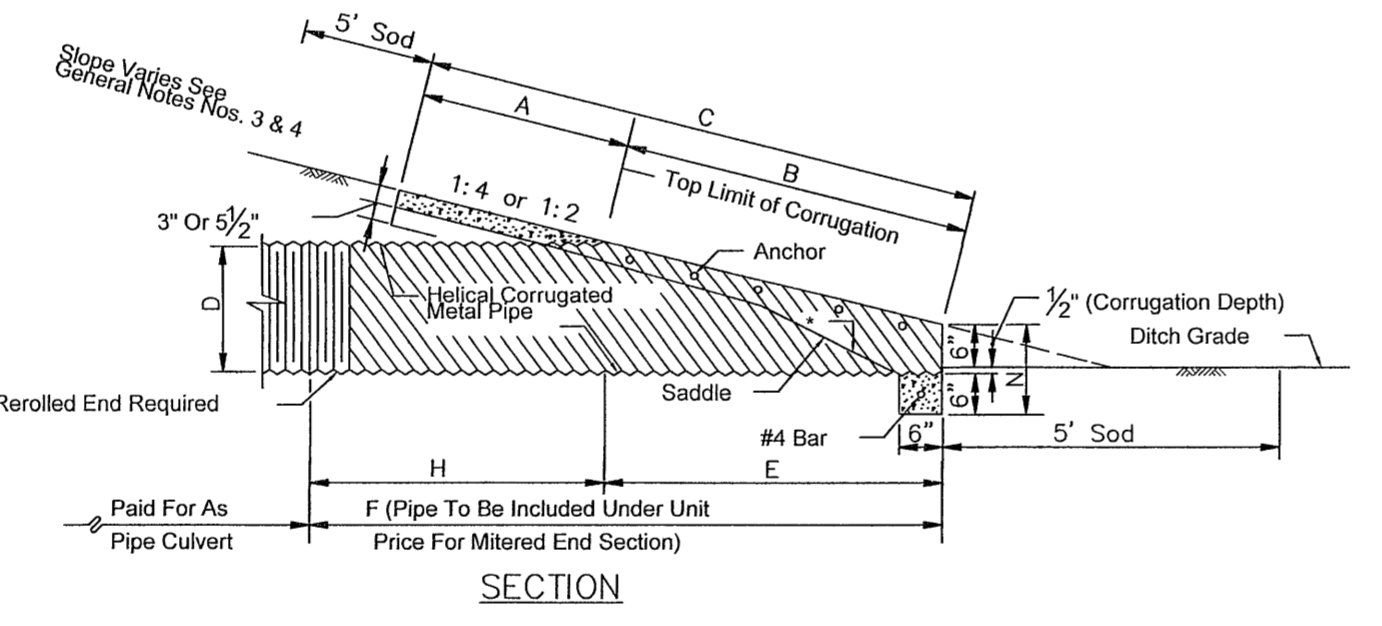
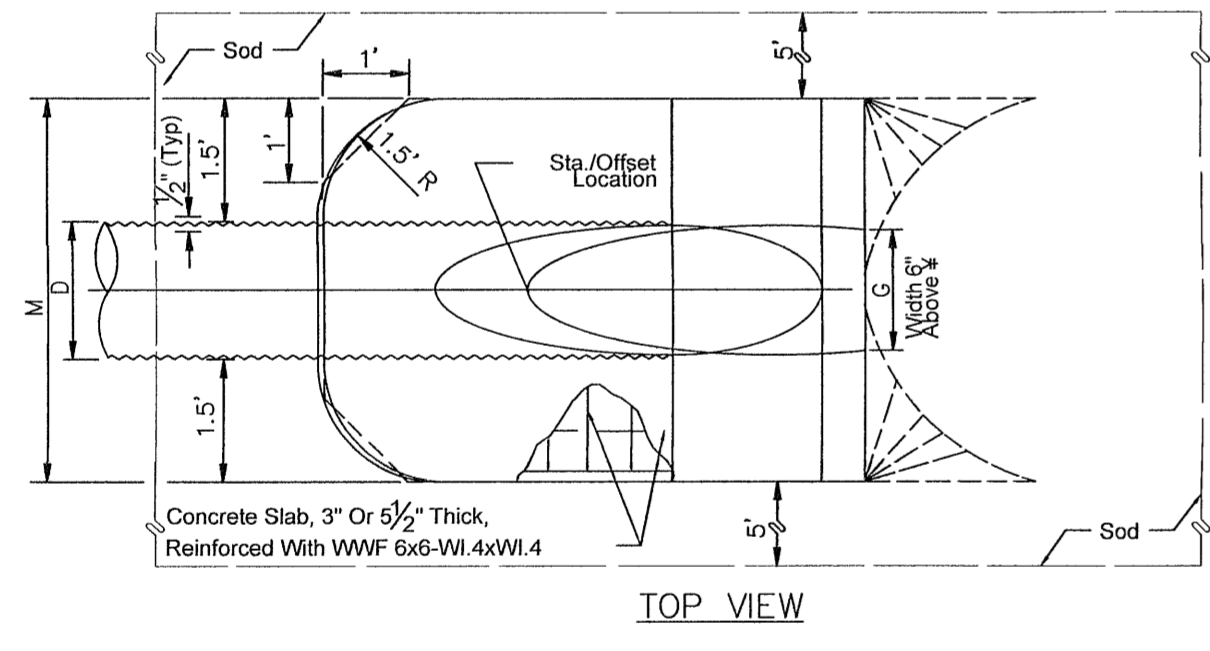
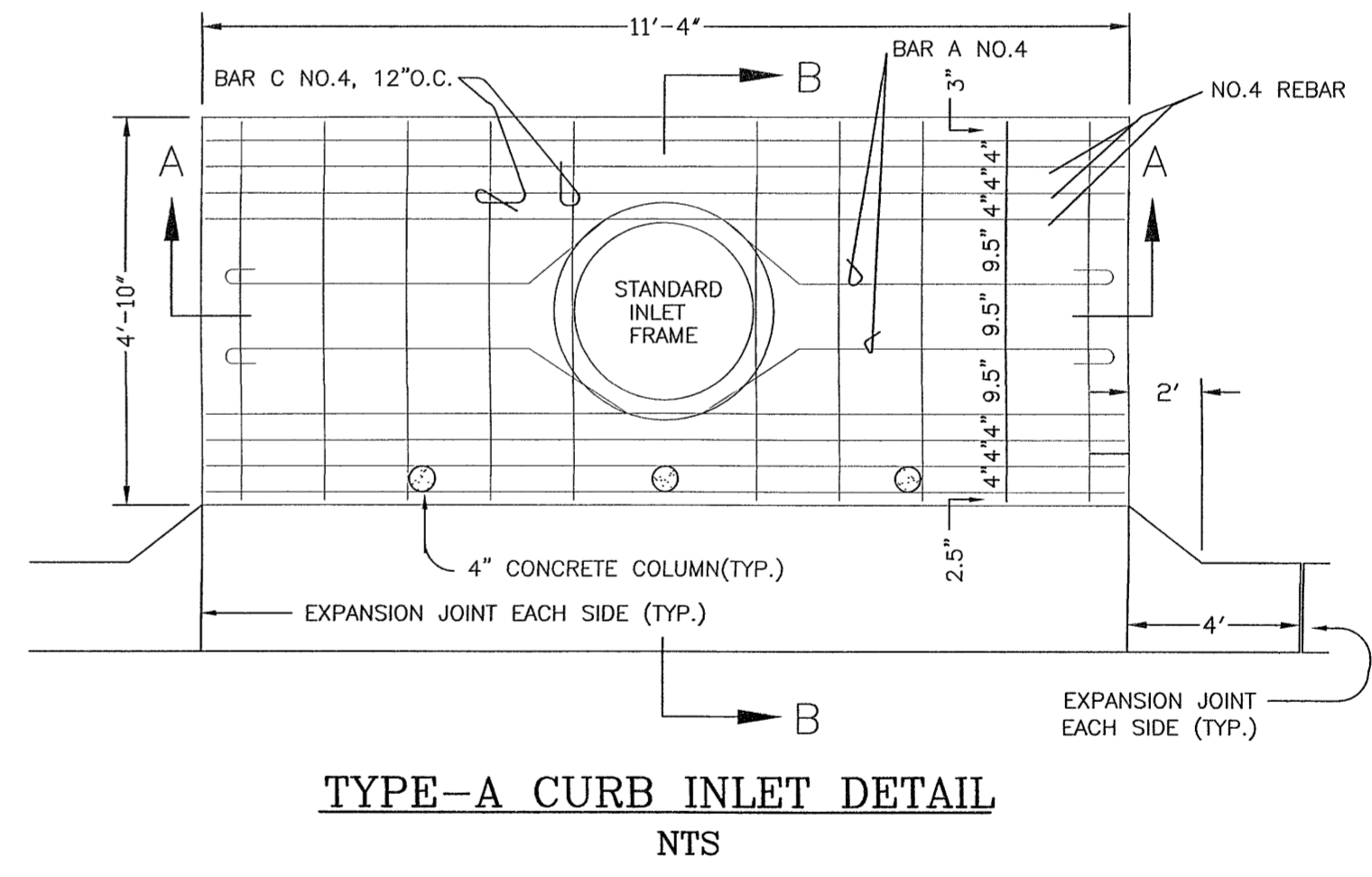
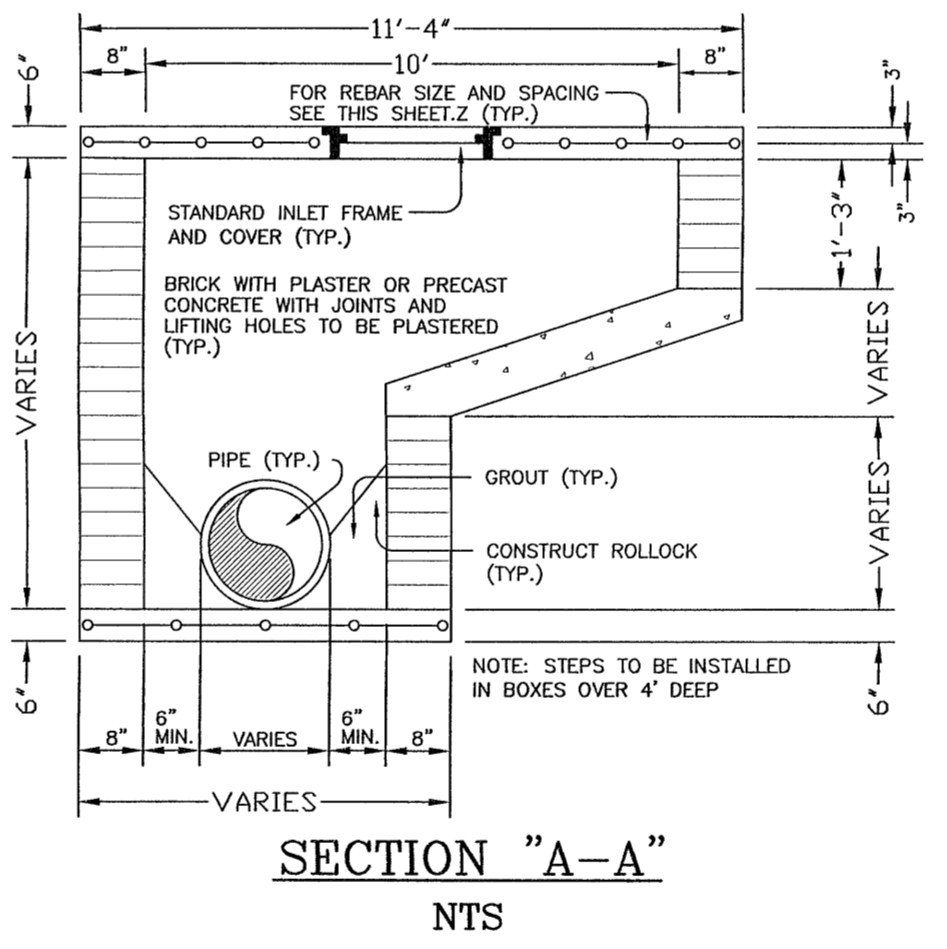
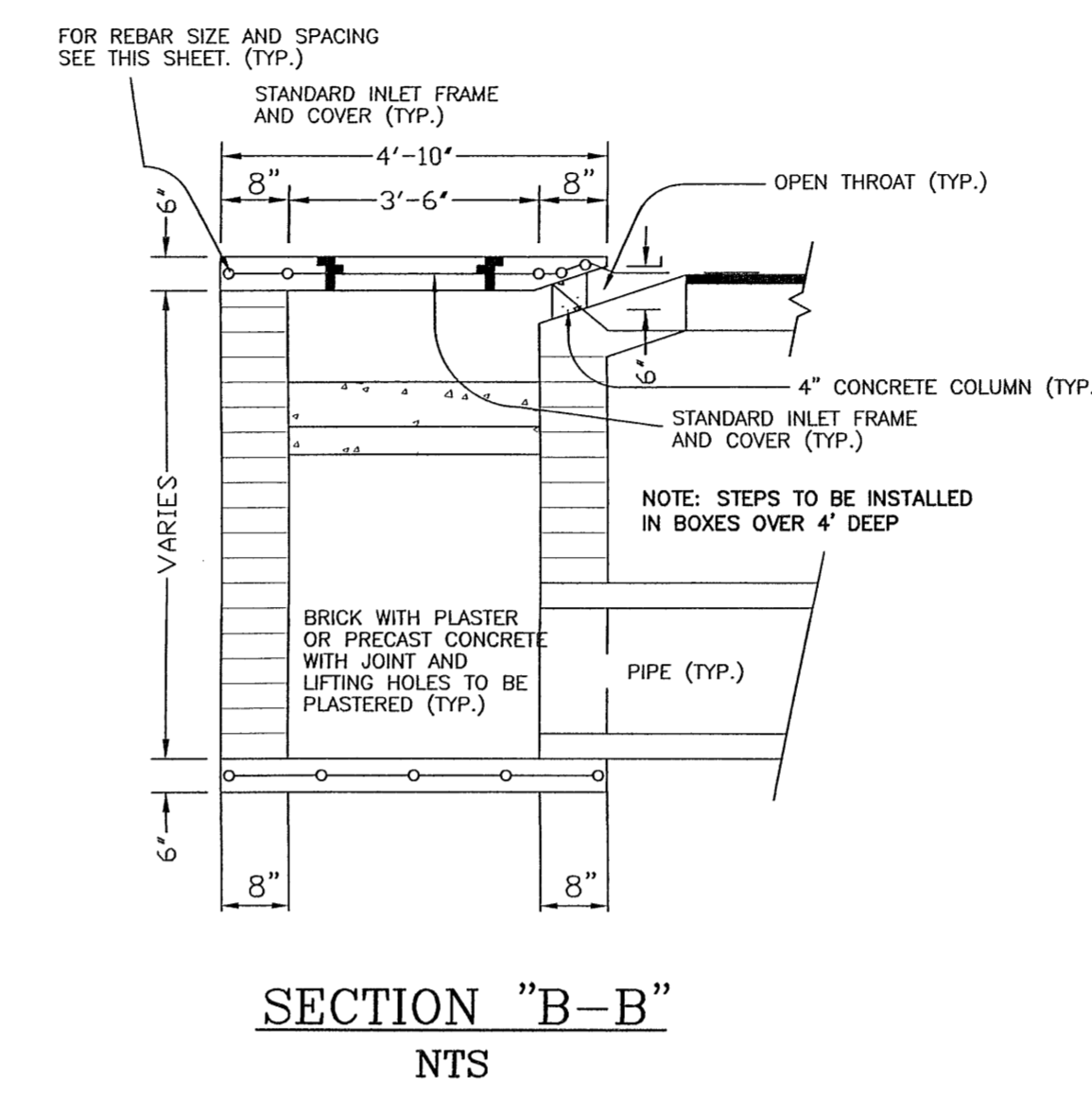
CONCRETE SWALE NOTES:

1. CONCRETE LINING TO BE 4" THICK, 2500 PSI WITH A HEAVY RAKE FINISH REINFORCED WITH FIBERMESH OR WWM. WIDTH OF CONCRETE SPECIFIED ON SWALE PROFILE SHEETS.
2. TOP EDGE OF CONCRETE TO BE FLUSH WITH GRADE.
3. CONTRACTION JOINTS SHALL BE CONSTRUCTED EVERY TEN (10) FEET BUT NO SECTION SHALL BE LESS THAN FOUR (4) FEET LONG. STEEL TEMPLATES SHALL BE USED FOR THESE JOINTS AND WITHDRAWN AFTER THE INITIAL SET. AT INTERVALS NOT TO EXCEED FIFTY (50) FEET AND AT ALL STRUCTURES AND INLETS AND AT ALL RADIUS POINTS, A ONE-HALF (1/2) INCH FULL-DEPTH EXPANSION JOINT SHALL BE CONSTRUCTED OF AN APPROVED MATERIAL. EXPANSION JOINTS SHALL BE CONSTRUCTED WITH PREFORMED EXPANSION JOINT MATERIALS CUT AND SHAPED TO THE CROSS-SECTION OF THE SWALE.



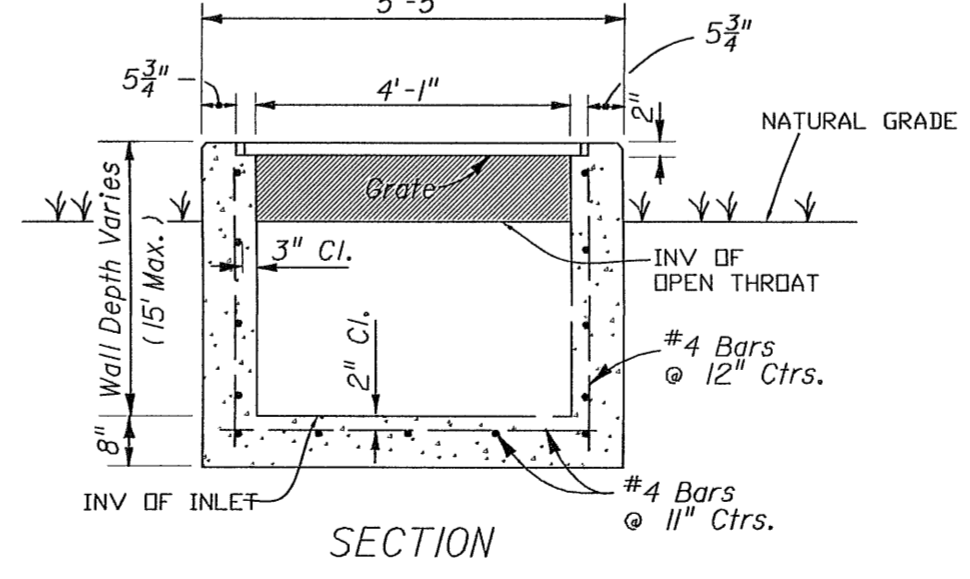
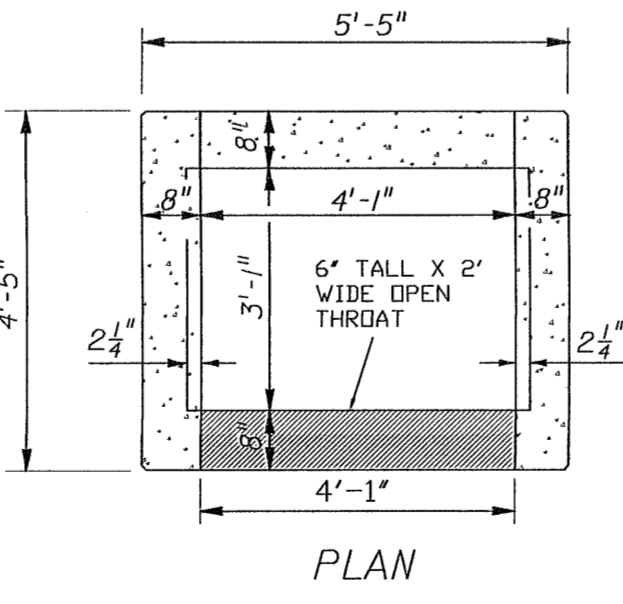
MES DIMENSIONS AND QUANTITIES

| | D | X | A | B | C | E | F | G | H ? | M | | | | N |
|-----------|-----|--------|------|-------|-------|------|-------|-------|------|-------------|-------------|-------------|------------|-------|
| | | | | | | | | | | Single Pipe | Double Pipe | Triple Pipe | Quad. Pipe | |
| 1/2 Slope | 15" | 2'-7" | 2.5' | 1.68' | 4.18' | 1.5' | 5.0' | 1.23' | 3.5' | 4.33' | 6.92' | 9.50' | 12.08' | 1.04' |
| | 18" | 2'-10" | 2.5' | 2.24' | 4.74' | 2.0' | 6.0' | 1.41' | 4' | 4.58' | 7.42' | 10.25' | 13.08' | 1.04' |
| | 24" | 3'-5" | 2.5' | 3.35' | 5.85' | 3.0' | 7.0' | 1.73' | 4' | 5.08' | 8.50' | 11.92' | 15.33' | 1.04' |
| | 30" | 4'-3" | 2.5' | 4.47' | 6.97' | 4.0' | 8.0' | 2.00' | 4' | 5.58' | 9.83' | 14.08' | 18.33' | 1.04' |
| | 36" | 5'-1" | 2.5' | 5.59' | 8.09' | 5.0' | 9.0' | 2.24' | 4' | 6.08' | 11.17' | 16.25' | 21.33' | 1.04' |
| | 42" | 6'-0" | 2.5' | 6.71' | 9.21' | 6.0' | 10.0' | 2.45' | 4' | 6.58' | 12.58' | 18.58' | 24.58' | 1.04' |
| 1/4 Slope | 15" | 2'-7" | 2.5' | 1.68' | 4.18' | 1.5' | 5.0' | 1.23' | 3.5' | 4.33' | 6.92' | 9.50' | 12.08' | 1.04' |
| | 18" | 2'-10" | 2.5' | 2.24' | 4.74' | 2.0' | 6.0' | 1.41' | 4' | 4.58' | 7.42' | 10.25' | 13.08' | 1.04' |
| | 24" | 3'-5" | 2.5' | 3.35' | 5.85' | 3.0' | 7.0' | 1.73' | 4' | 5.08' | 8.50' | 11.92' | 15.33' | 1.04' |
| | 30" | 4'-3" | 2.5' | 4.47' | 6.97' | 4.0' | 8.0' | 2.00' | 4' | 5.58' | 9.83' | 14.08' | 18.33' | 1.04' |
| | 36" | 5'-1" | 2.5' | 5.59' | 8.09' | 5.0' | 9.0' | 2.24' | 4' | 6.08' | 11.17' | 16.25' | 21.33' | 1.04' |
| | 42" | 6'-0" | 2.5' | 6.71' | 9.21' | 6.0' | 10.0' | 2.45' | 4' | 6.58' | 12.58' | 18.58' | 24.58' | 1.04' |



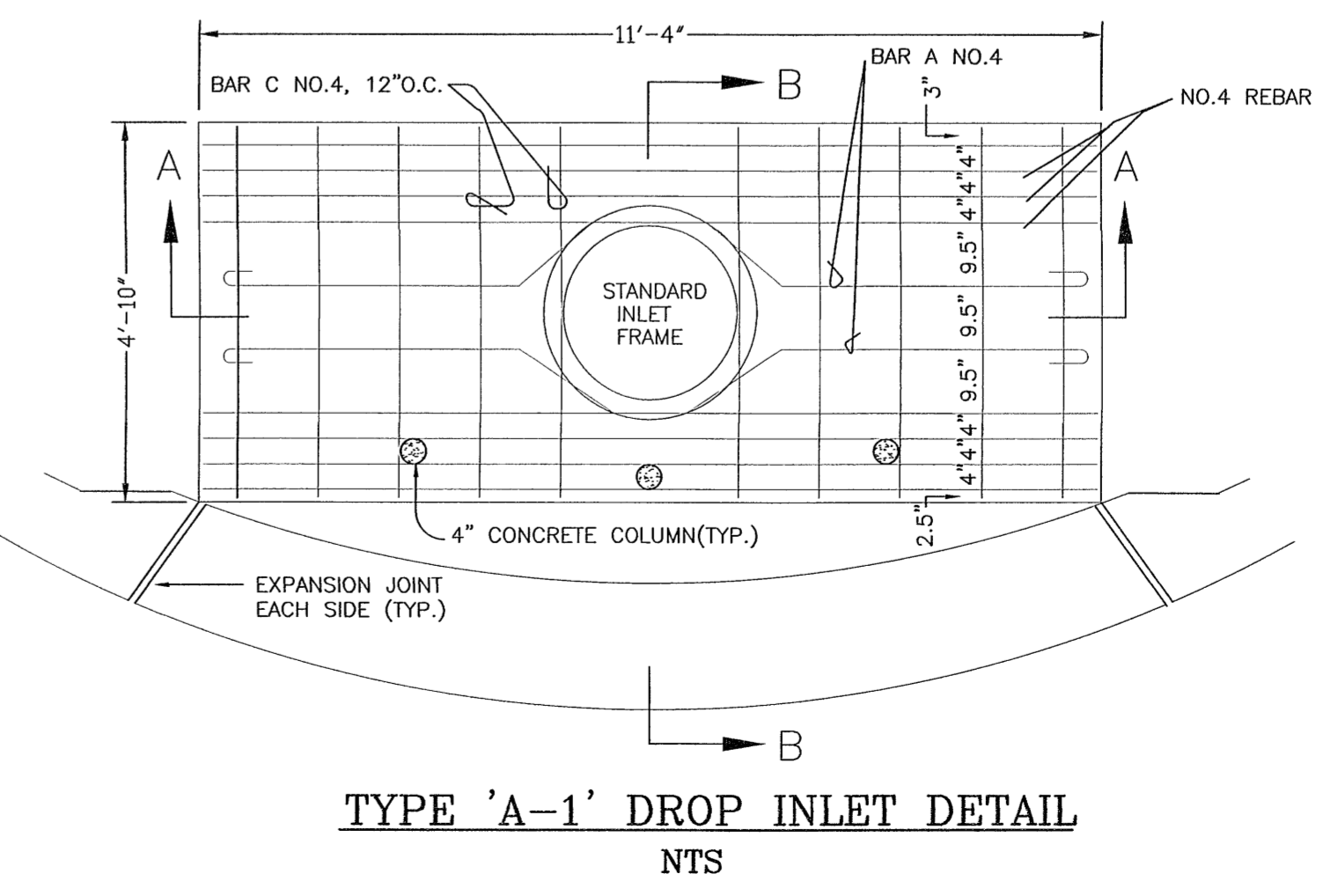
NOTE: MES SHALL NOT BE CONSTRUCTED OF PVC (A2000) OR HDPE (ADS) PIPE. USE ONLY CONCRETE OR METAL MITERED END SECTIONS AS INDICATED IN FDOT STANDARD SPECIFICATIONS 430-4.6. WHEN USE IN CONJUNCTION WITH CORRUGATED MES, CONNECTION SHALL BE BY EITHER A FORMED METAL BAND SPECIFICALLY DESIGNED TO JOIN HDPE OR PVC PIPE. WHEN USED IN CONJUNCTION WITH A CONCRETE MES, CONNECTION SHALL BE BY CONCRETE JACKET CONSTRUCTED IN ACCORDANCE WITH FDOT DESIGN STANDARD PLAN NO. 430-001.

FDOT MES DETAIL NTS



NOTE: ALL INLETS ARE TO UTILIZE SILT SAVERS OR SILTFENCE RETAINAGE BOXES.

FDOT TYPE-D INLET DETAIL NTS



TYPE 'A-1' DROP INLET DETAIL NTS

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

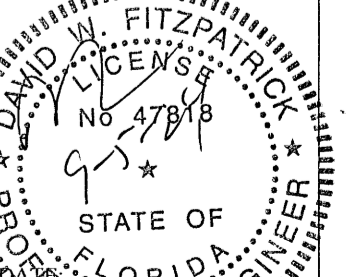
DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00008423
10250 PALM BLVD., SUITE 500
NORTH PALM BEACH, FLORIDA 33411
PH: (850) 476-8677 FAX: (850) 476-7708

CARRINGTON VALLEY
DETAILS - DRAINAGE

| DATE | REVISION |
|------|----------|
| | |
| | |
| | |
| | |

DRAWN BY: A. BURKETT
DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL



PROJECT NUMBER: 2024000000000000
PLOT DATE: 9/5/24

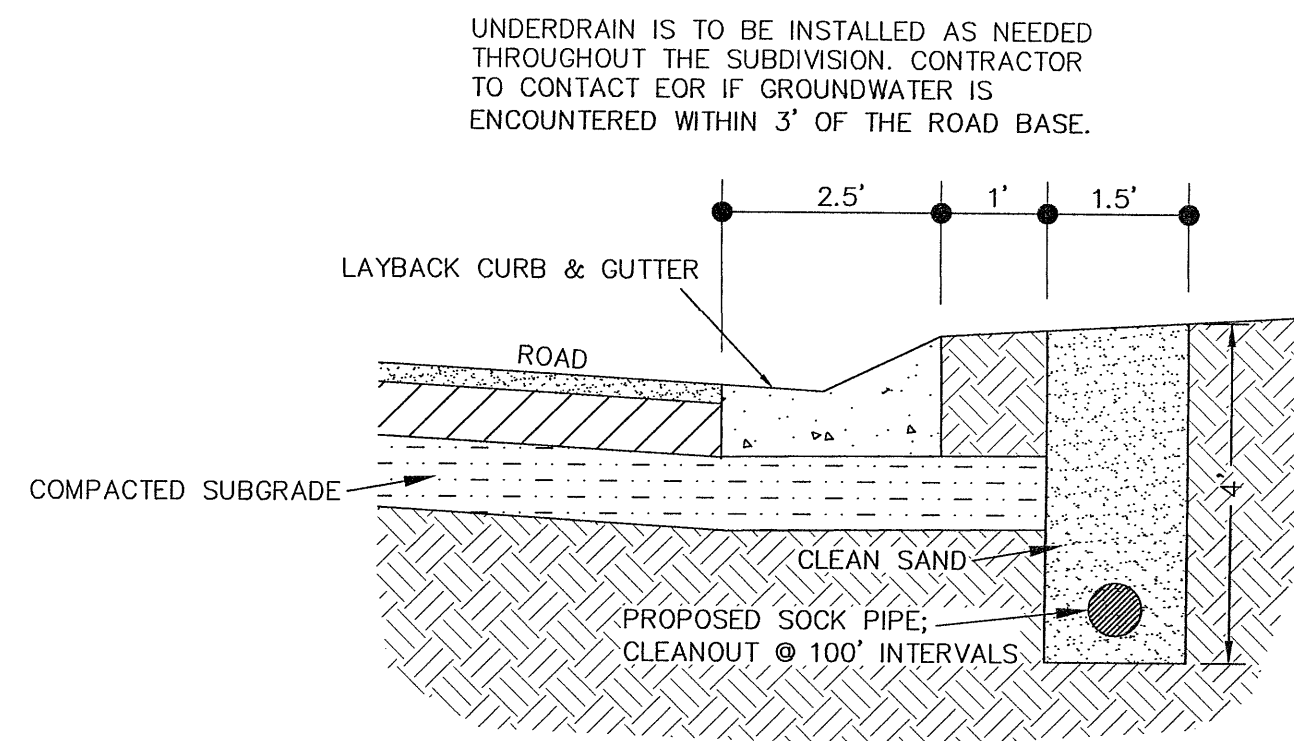
PERMIT SET

ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF EQUA'S ENGINEERING MANUAL.

ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER'S ENGINEERING MANUAL.

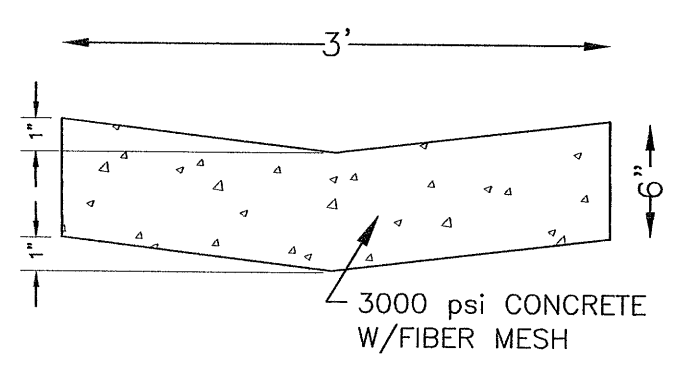
DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #000008423
10200 W. PALM BLVD., SUITE 100
PENSACOLA, FL 32504
PH: (850) 476-8677 FAX: (850) 476-7708

CARRINGTON VALLEY
DETAILS - SITE

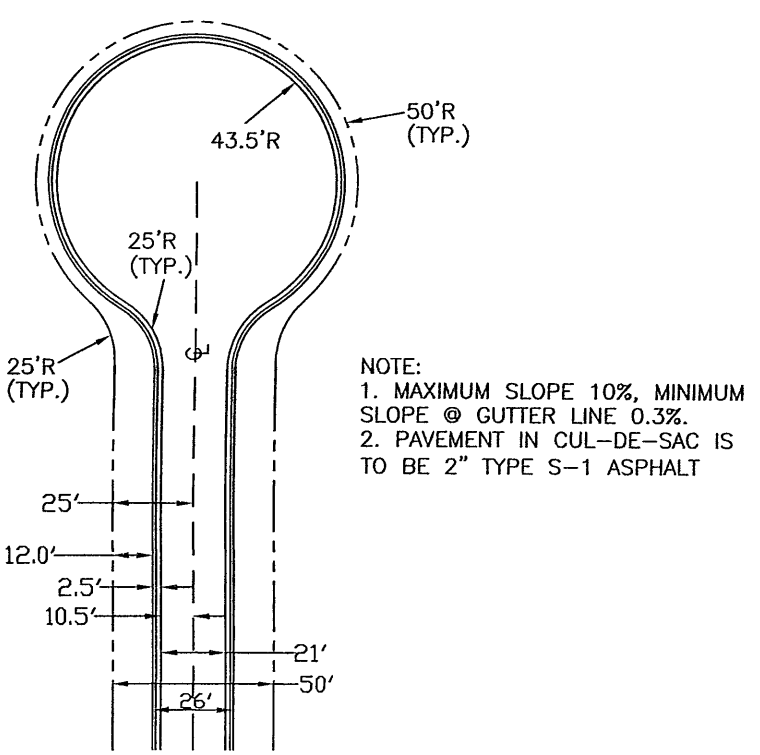


NOTE: CONTRACTOR IS CAUTIONED TO CONTACT ENGINEER OF RECORD FOR DETERMINATION OF ROADSIDE UNDERDRAIN INSTALLATION REQUIREMENTS OR UNDERCUTTING AND SELECT MATERIAL PLACEMENTS.

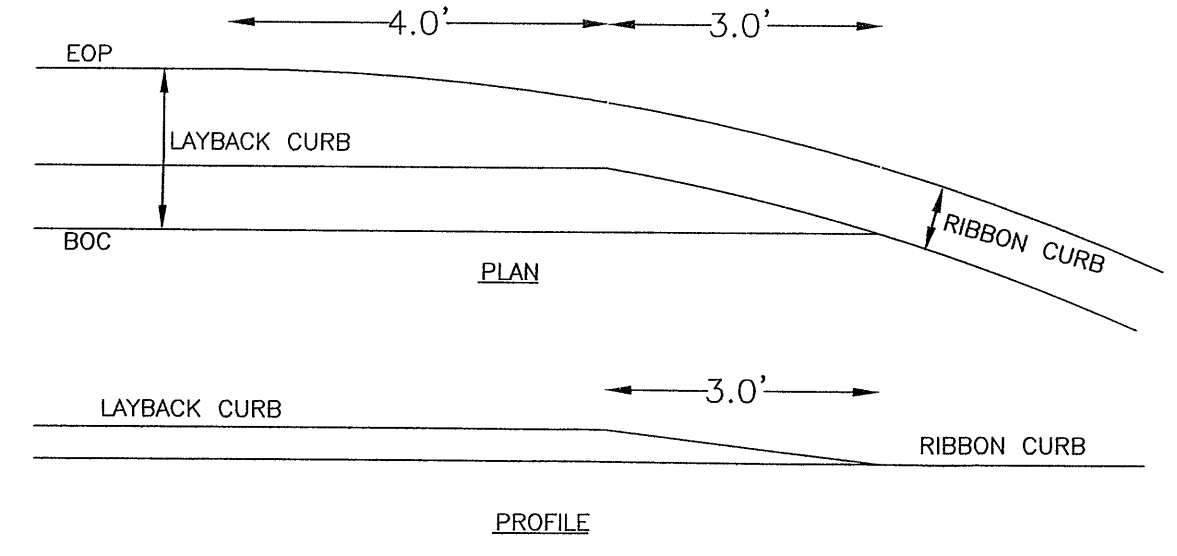
ROADSIDE UNDERDRAIN DETAIL
NTS



VALLEY GUTTER DETAIL
N.T.S.

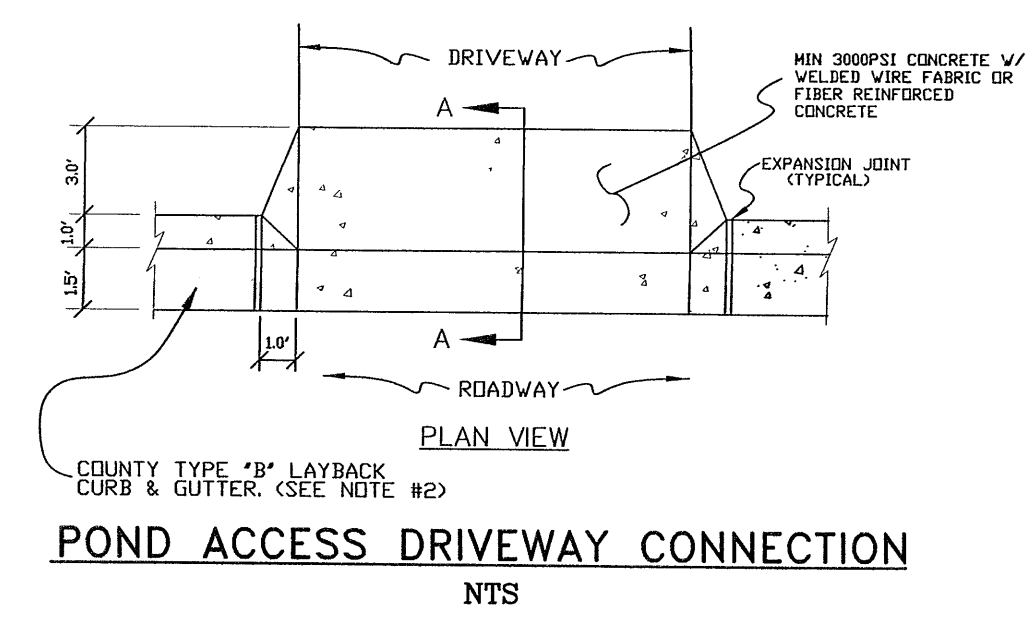
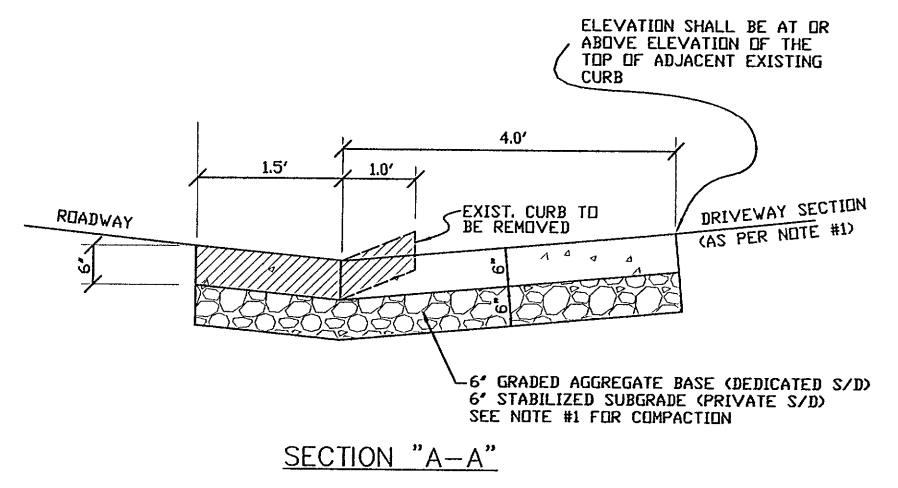


CUL-DE-SAC DETAIL
NTS



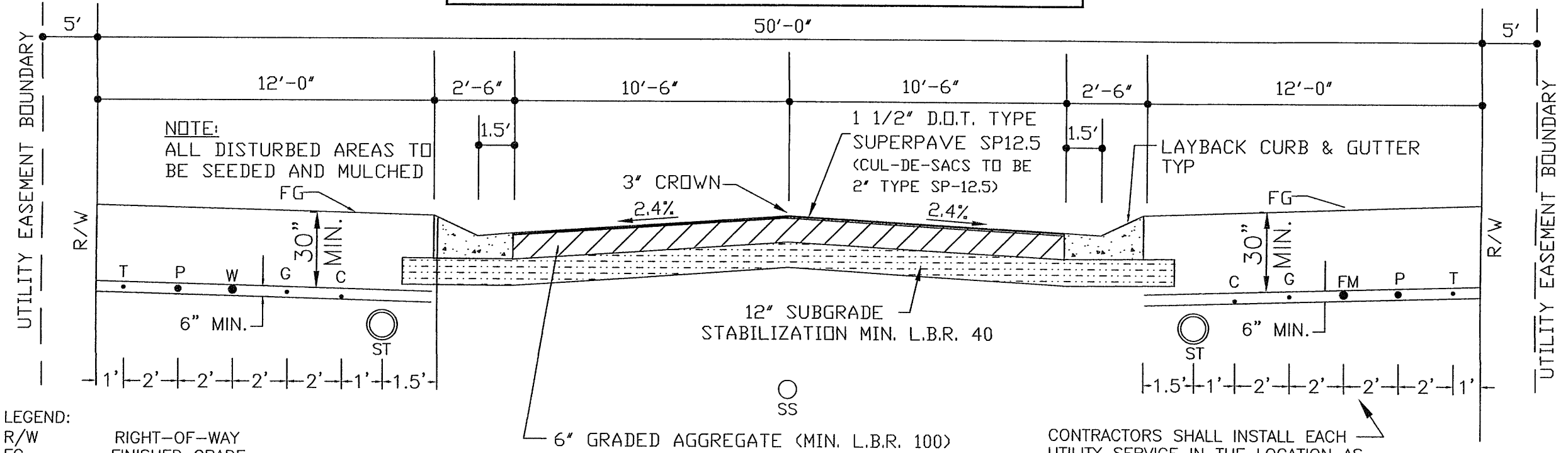
CURB TRANSITION DETAIL
NTS

- NOTES:
- DRIVEWAY SECTIONS ABUTTING CURB OR CURB CUT SHALL BE 6" CONCRETE WITH 6" STABILIZED SUBGRADE AND 4" TO 6" CONCRETE DRIVEWAY WITH 4" STABILIZED SUBGRADE - 93% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE.
 - FOR OTHER TYPE CURBS, DIMENSIONS MAY BE ADJUSTED TO FIT. IF NECESSARY, REFER TO F.D.D.T. INDEX DETAILS.
 - DRIVEWAYS WITHIN PROPERTY BOUNDARY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
 - TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM.



POND ACCESS DRIVEWAY CONNECTION
NTS

PERCHED GROUNDWATER
THE CONTRACTOR SHALL INFORM THE EOR PRIOR TO ANY BASE INSTALLATION IF PERCHED GROUNDWATER IS ACCOUNTED AND GET HIS (EOR) INSTRUCTIONS OF WHERE TO INSTALL REQUIRED UNDERDRAIN SYSTEM WITH APPLICABLE CLEANOUTS. THESE ADDITIONS SHALL BE REVIEWED AND APPROVED BY THE COUNTY PRIOR TO INSTALLATION.

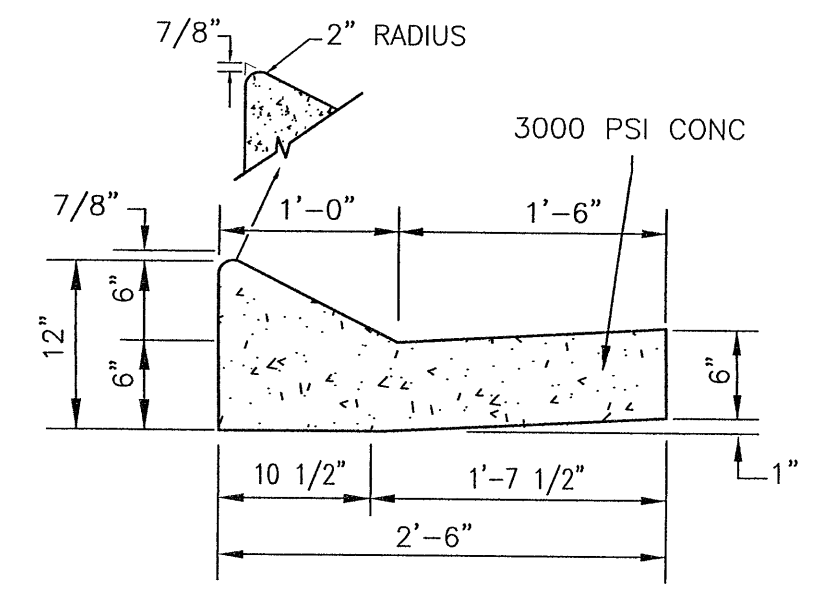


- LEGEND:
- R/W RIGHT-OF-WAY
 - FG FINISHED GRADE
 - CL CENTERLINE
 - W WATER
 - SS SANITARY SEWER
 - FM FORCE MAIN
 - GS GAS MAIN
 - ST STORM SEWER
 - UP UNDERGROUND POWER
 - T UNDERGROUND TELEPHONE CABLE
 - C UNDERGROUND TELEVISION CABLE

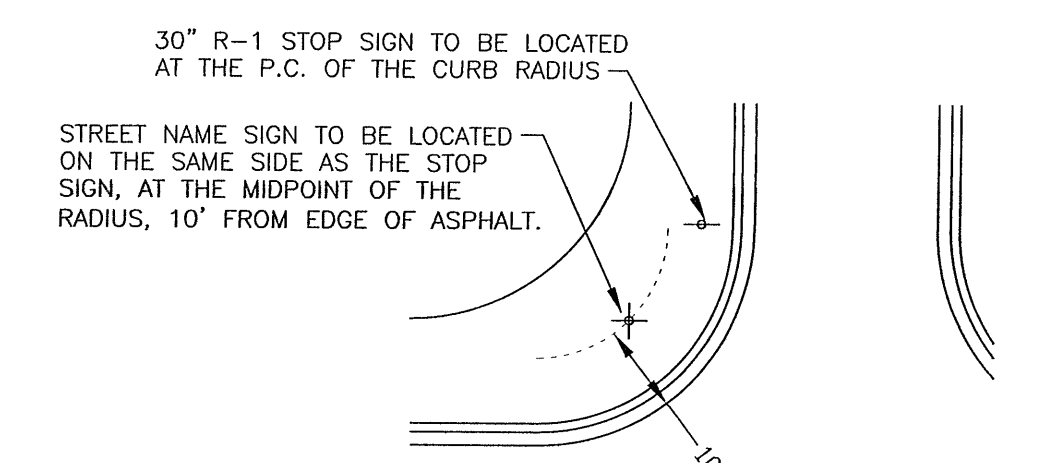
- PAVEMENT SECTION NOTES:
- WATER SHALL BE A MIN. OF 30" BELOW GRADE.
 - ALL UNSUITABLE MATERIALS BENEATH THE ROAD REQUIRE EXCAVATION AND BACKFILL WITH READILY COMPACTABLE SOILS IN 8" LIFTS AND STABILIZED TO A MINIMUM SOIL DENSITY OF 98% OF THE MODIFIED PROCTOR TEST (ASTM D1557).
 - 6" BASE REQUIRES A MINIMUM SOIL DENSITY OF 98% OF THE MODIFIED PROCTOR TEST (ASTM D 1557).
 - 12" SUBGRADE REQUIRES A MINIMUM SOIL DENSITY OF 98% OF THE MODIFIED PROCTOR TEST (ASTM D 1557).
 - ANY FILL MATERIAL PLACED UNDER PAVEMENTS SHALL BE COMPACTED TO A MINIMUM 98% OF MODIFIED PROCTOR.
 - CRUSHED LIMESTONE BASE FROM AN FDOT APPROVED SOURCE MAY BE USED INSTEAD OF GAB. ANY GAB MATERIAL SUBSTITUTION HAS TO GO THROUGH A SPECIAL APPROVAL BY THE COUNTY PROCESS.

- UTILITY NOTES:
- CONTRACTORS SHALL INSTALL EACH UTILITY SERVICE IN THE LOCATION AS SHOWN IN THE COMMON TRENCH DETAIL. SEE CONSTRUCTION PLANS/UTILITY ADDENDUMS TO DETERMINE WHICH SIDE OF THE R/W ACTUALLY RECEIVES THE UTILITY. SOME UTILITIES MAY ONLY BE ON ONE SIDE OF THE ROAD (I.E. WATER & FORCE MAIN).
 - ALL PROPOSED UNDERGROUND UTILITIES WITHIN THE RIGHT-OF-WAY SHALL BE INSTALLED PRIOR TO PAVING. NO STREETS UNDER THE TWO YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT OR JACK AND BORED. TO ACCOMPLISH THIS REQUIREMENT, COMMON TRENCHING IS REQUIRED. COMMON TRENCHING SHALL NOT TAKE PLACE UNTIL ALL ROW ROUGH GRADES HAVE BEEN ESTABLISHED TO ENSURE PROPER UTILITY DEPTHS. IF COMMON TRENCHING IS NOT A FEASIBLE OPTION, THE DEVELOPER SHALL INSTALL CONDUIT FOR THE UTILITY NOT PARTICIPATING IN THE COMMON TRENCHING FOR ALL ROAD CROSSINGS AND THE UTILITY COMPANY WILL BE REQUIRED TO USE THE CONDUIT. THIS SHALL REQUIRE PLANNING BETWEEN THE DEVELOPER AND THE UTILITY.

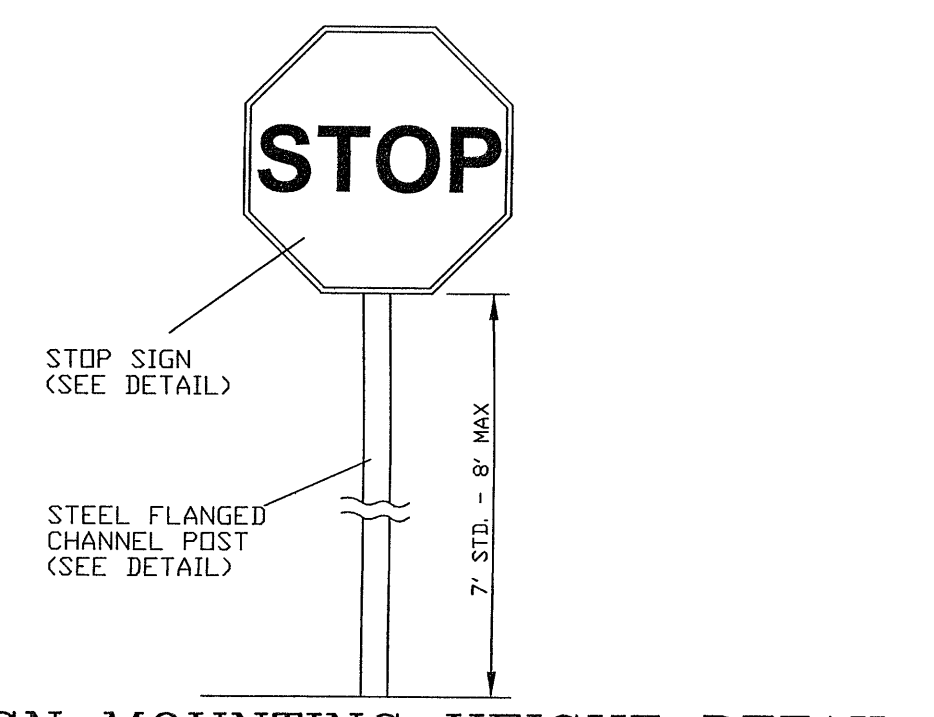
COMMON TRENCH DETAIL/ROAD CROSS SECTION
NOT TO SCALE



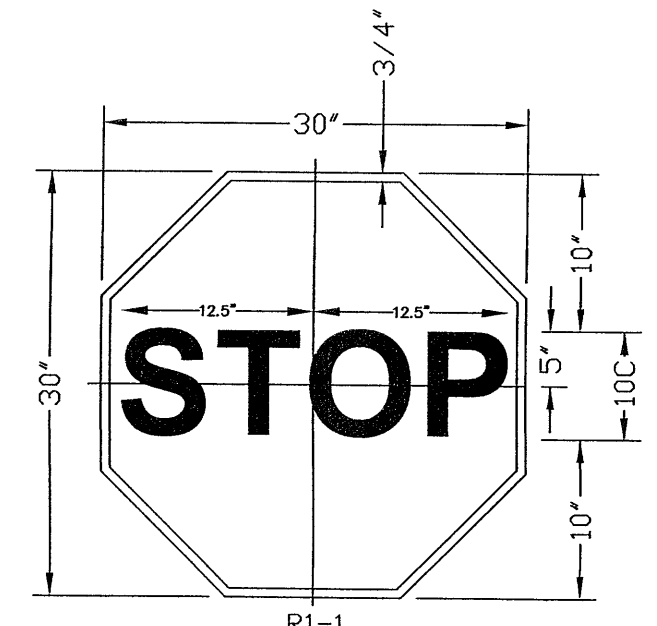
LAYBACK CURB & GUTTER
N.T.S.



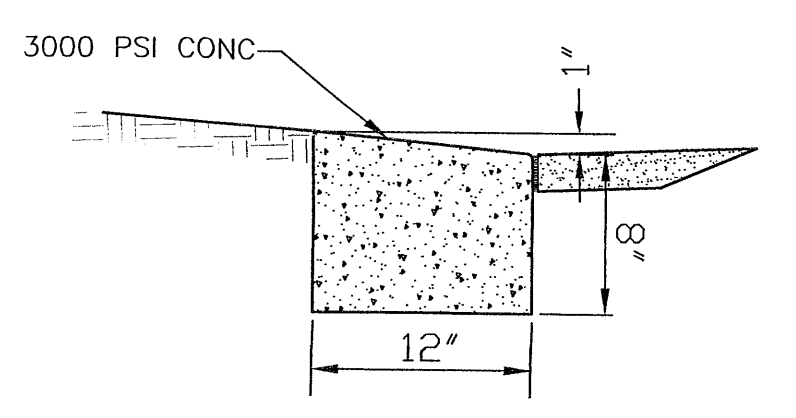
INTERSECTION SIGN DETAIL
N.T.S.



SIGN MOUNTING HEIGHT DETAIL
N.T.S.



STOP SIGN DETAIL
N.T.S.



RIBBON CURB
NTS

PERMIT SET

DATE: _____

REVISION: _____

NUMBER: _____

DRAWN BY: A. BURKETT

DESIGNED BY: D. FITZPATRICK

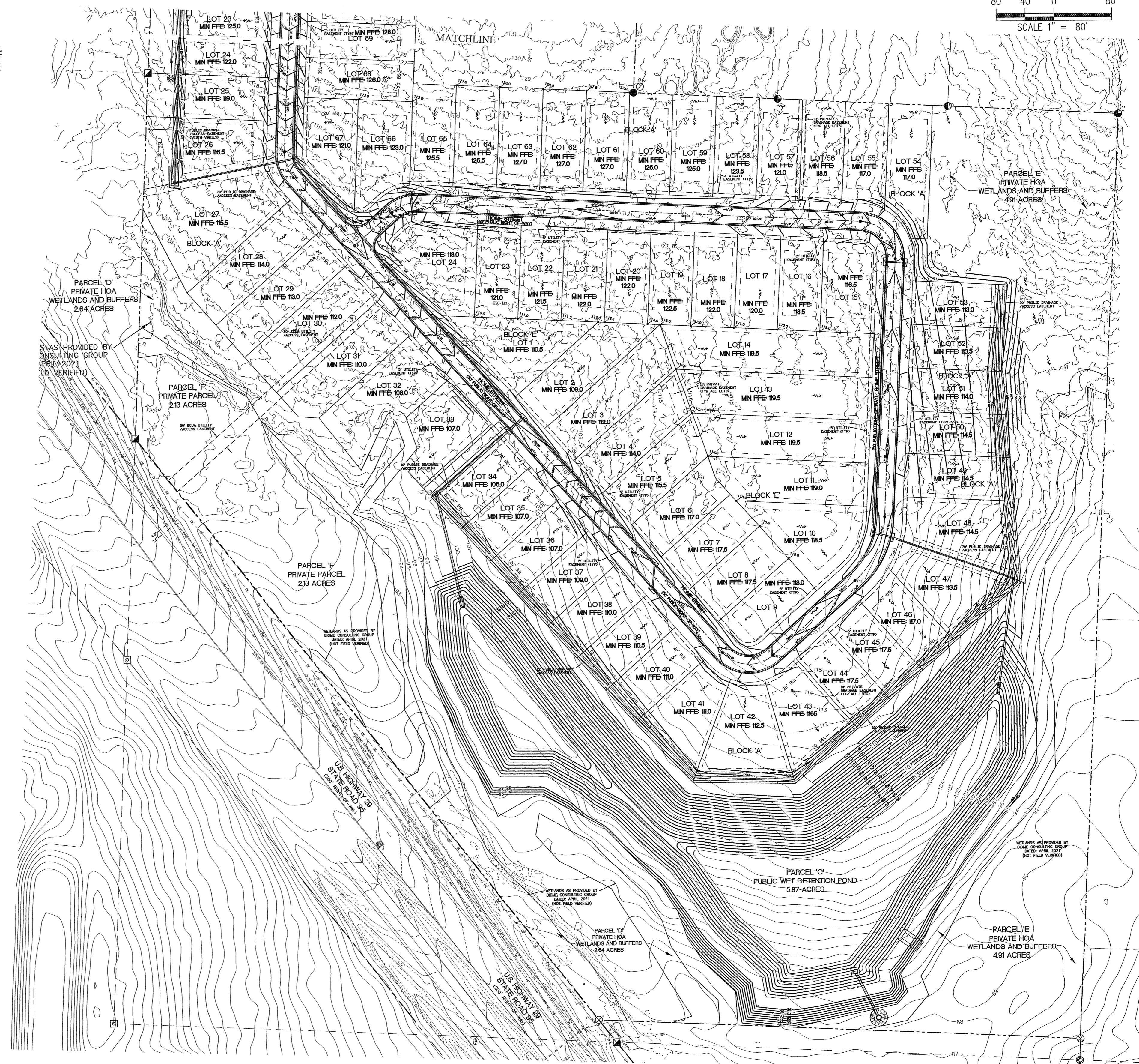
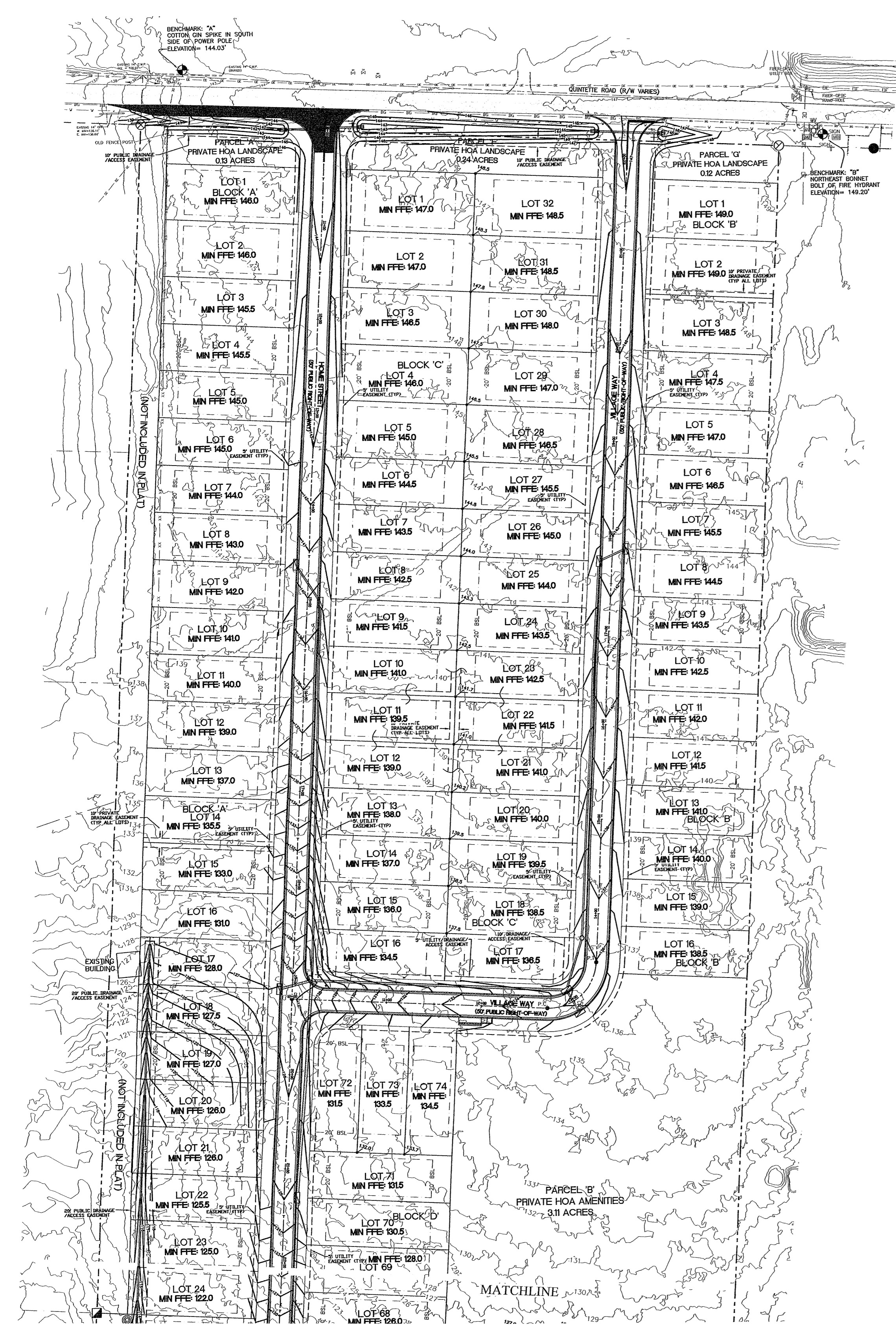
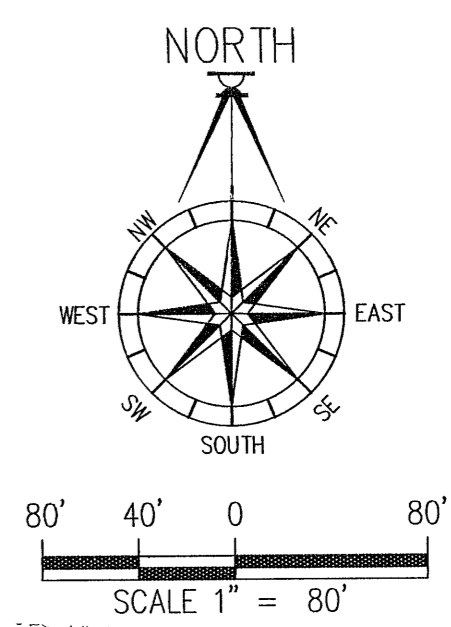
SIGNATURE & SEAL

DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 47818

PROJECT NUMBER: 08-102

PLOT DATE: 9/5/24

SHEET C31 OF C33



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALMWAY STREET
 PALM BEACH, FLORIDA 33410
 PH: (850)476-8877 FAX: (850)476-7788

CARRINGTON VALLEY
 LOT GRADING PLAN

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |
| | | |
| | | |
| | | |

DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK
 SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 LICENSE # 95224
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 PROJECT NUMBER: 08-102
 PLOT DATE: 9/5/24
 SHEET LGP2 of LGP2