CONSTRUCTION PLANS FOR

Nautical Landing

A 65 LOT SINGLE FAMILY RESIDENTIAL SUBDIVISION IN A PORTION OF SECTION 26, TOWNSHIP 1 SOUTH, RANGE 31 , ESCAMBIA COUNTY, FLORIDA

January 2021

ZONED: LDR FLU: MU-S

GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY ESCAMBIA COUNTY ENGINEER 48 HOURS PRIOR TO COMMENCEMENT OF THIS PROJECT.

2. 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.

3. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWERS, DRAINS, 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.

4. 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.

5. 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.

6. CONTRACTOR SHALL DISPOSE OF BY HAULING AWAY ALL EXCESS MATERIAL.

7. 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.

8. 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.

9. 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.

10. 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 ECUA'S STANDARDS.

11. 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.

12. PROTECTED TREES CAN BE REMOVED WITHIN THE INFRASTRUCTURE AREAS ONLY UPON APPROVED CONSTRUCTION PLANS FOR THE SUBDIVISION AND POSSIBLY OTHER PERMITS (PRE-SITE THROUGH BID, ETC.). HOWEVER, THE RESIDENTIAL LOTS AND THE LAND IN GENERAL, WILL NEED TO REMAIN VEGETATED (TREES INCLUDED) AND UNDISTURBED (NO "LAND DISTURBACE ACTIVITIES" INCLUDING FILL MATERIALS PLACED ONSITE, ETC.) UNTIL SUCH TIME AS FURTHER BUILDING PERMITS FOR THE "DWELLINGS" ALLOW FOR THEIR REMOVAL (PER CODE). GRADING AROUND TREES WHICH ARE TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO CAUSE NO DAMAGE TO THE TREE. THE CRITICAL ROOT ZONE (CRZ) SHALL NOT BE DISTURBED. THE CRZ IS REPRESENTED BY A CIRCLE, CENTERED ON THE TREE TRUNK AND HAVING A RADIUS OF ONE FOOT FOR EVERY ONE INCH OF TRUNK DIAMETER. NO HERITAGE TREES WERE FOUND ONSITE.

13. SOD SHALL BE PLACE IN ACCORDANCE WITH SEC. 570 F.D.O.T. SPECIFICATIONS.

14. PIPELINE CONTRACTOR SHALL BE RESPONSIBLE FOR INLET TOPS AND THROATS.

15. NOTIFY COUNTY ENGINEER 24 HOURS BEFORE BEGINNING EVERY PHASE OF CONSTRUCTION

16. 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.

17. 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.

18. 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.

19. 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.

20. 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.

21. 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.

22. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/ OR SOD. SEEDED AREAS SHALL INCLUDE A BAHIA MIX TO ENSURE CONTINUED GROWTH AFTER WINTER MONTHS IN ACCORDANCE WITH FDOT SECTION 570 AND STANDARD INDEX 105

23. THE OWNER OR HIS AGENT SHALL ARRANGE/ SCHEDULE WITH HE 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.

24. ALL ASPECTS OF THE STORMWATER/ DRAINAGE COMPONENTS AND OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.

25. NO DEVIATION OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER, ESCAMBIA COUNTY, AND ECUA. ANY DEVIATIONS MAY RESULT IN DELAYS IN COUNTY ACCEPTANCE OF IMPROVEMENTS.

26. DENSITY TESTS AND CORE SAMPLES WILL BE REQUIRED TO DEMONSTRATE COMPLIANCE WITH COUNTY STANDARDS PRIOR TO FINAL ACCEPTANCE OF ROADWAY IMPROVEMENTS.

27. 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; INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES PERMIT APPLICANT FOR PROPER REPORTING TO FDEP.

28. NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W. 1-800-432-4770

29. ECUA INSPECTOR OR AUTHORIZED REPRESENTATIVE MUST OBSERVE ALL CONNECTIONS TO ECUA'S EXISTING WATER AND SANITARY SEWER SYSTEMS.

30. TYPE 1 CURB CUT DRIVEWAYS ARE TO BE USED FOR ALL UTILITY ACCESS POINTS.

31. 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.

32. 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.

33. ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED WITH FABRIC/SOCK.

34. A HEALTHY GROWTH OF GRASS WITHIN DISTURBED RIGHT-OF-WAY AREAS IS REQUIRED PRIOR TO COUNTY APPROVAL /ACCEPTANCE. IF TIME CONTRAINTS 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.

35. SAG FILTERS IN CURB THROATS ARE NOT AN ALLOWABLE SEDIMENT CONTROL METHOD.

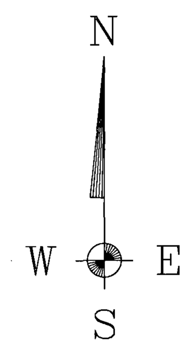
36. A MINIMUM ONE (1) FOOT GROUND COVER IS REQUIRED FOR ALL UNDERGROUND PIPES.

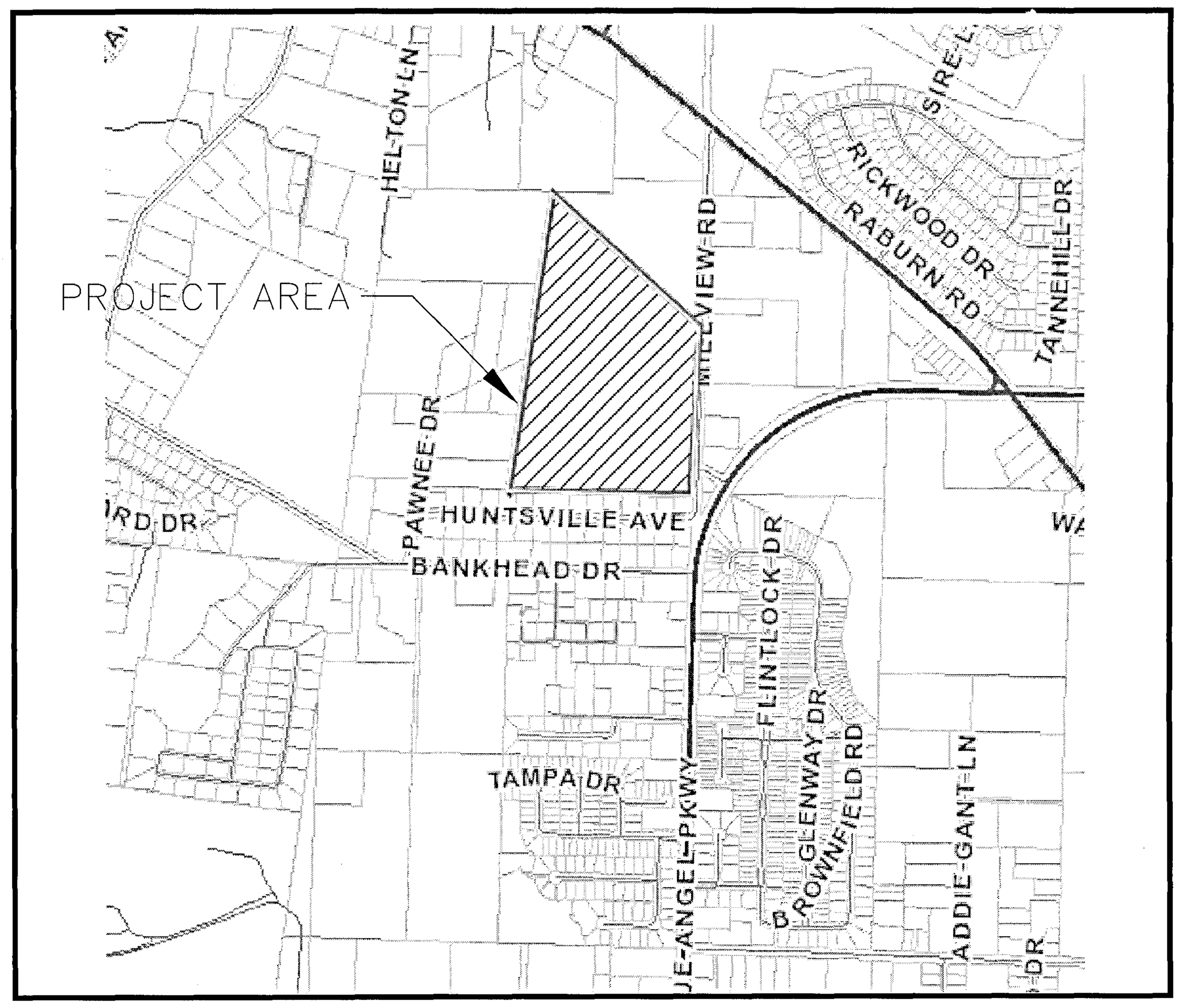
37. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.

38. 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 THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.

39. DEVELOPER/CONTRACTOR/HOME OWNERS ASSOCIATION SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND AT THE END OF THE 2 YEAR WARRANTY PERIOD.

40. WORK PROPOSED NEXT TO THE R/W WITH EXISTING SWALE SYSTEMS MAY REQUIRE ADDITIONAL PROVISIONS TO REPAIR/RESTORE EXISTING DRAINAGE SWALES 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.





VICINITY MAP
N.T.S.

OWNER AND DEVELOPER
ESPLANADE COMMUNITIES OF FLORIDA LLC
3000 GULF BREEZE PARKWAY
GULF BREEZE, FL 32563
PHONE: (850) 934-0470

ENGINEER-OF-RECORD
DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, PA
10250 N. PALAFOX HWY.
PENSACOLA, FL 32534
PHONE: (850) 476-8677
FAX: (850) 476-7708
FITZPATRICK@FITZENG.COM

SURVEYOR
SAM SURVEYING & MAPPING, LLC
600 UNIVERSITY OFFICE BLVD., SUITE #17-B
PENSACOLA, FL 32504
LB#7908
P: (850)857-7725
F: (850)857-7726

CONTRACTOR SHALL NOTIFY SUNSHINE 811 48 HOURS PRIOR TO COMMENCING CONSTRUCTION 1-800-432-4770

GULF POWER CO. ~ 429-2603

AT&T ~ 436-1489

ECUA ~ 969-5823

PENSACOLA ENERGY ~ 474-5309

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	
	Specification	Detail	Plans	Project Manual*
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

*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.

INDEX OF DRAWINGS

DRAINAGE FEE
Imperv. Surf. 82,428 Sq ft
Stormwater Ret. .72 % (F)
Total Drainage Fee $2,967.41
Pond Maint. Fee: MSBU

Approved J. Hampton 1-20-2021
Designee 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.

LEGAL DESCRIPTION:

A PORTION OF THAT PARCEL OF LAND DESCRIBED IN OFFICIAL RECORDS BOOK 8222, PAGE 1571 OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA, LYING IN SECTION 26, TOWNSHIP 1 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A FOUND 4 INCH SQUARE CONCRETE MONUMENT, MARKING THE NORTHEAST CORNER OF SECTION 26, TOWNSHIP 1 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA. FROM SAID POINT OF COMMENCEMENT, ALONG THE NORTH LINE OF SAID SECTION 26, RUN NORTH 87 DEGREES 09 MINUTES 29 SECONDS WEST, A DISTANCE OF 2649.76 FEET TO A FOUND 3/4 INCH IRON PIPE, MARKING THE NORTH QUARTER CORNER OF SAID SECTION 26; THENCE CONTINUE ALONG SAID NORTH LINE NORTH 87 DEGREES 11 MINUTES 42 SECONDS WEST, A DISTANCE OF 33.08 FEET TO A FOUND 5/8 INCH IRON ROD AND CAP WITH AN ILLEGIBLE CAP, ON THE WEST RIGHT OF WAY LINE OF MILLVIEW ROAD (66 FOOT RIGHT OF WAY); THENCE LEAVING SAID NORTH LINE, ALONG THE WEST RIGHT OF WAY LINE, RUN SOUTH 03 DEGREES 19 MINUTES 34 SECONDS WEST, A DISTANCE OF 907.36 FEET TO A FOUND 5/8 INCH IRON ROD AND CAP STAMPED SAM LLC LB 7908, MARKING THE NORTHEAST CORNER OF THAT PARCEL OF LAND DESCRIBED IN OFFICIAL RECORDS BOOK 8222, PAGE 1571 OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA; THENCE CONTINUING ALONG THE WEST RIGHT OF WAY LINE AND THE EAST LINE OF SAID PARCEL SOUTH 03 DEGREES 19 MINUTES 34 SECONDS WEST, A DISTANCE OF 810.03 FEET TO A SET 5/8 INCH IRON ROD AND CAP STAMPED SAM LLC LB 7908 AND THE POINT OF BEGINNING.

FROM SAID POINT OF BEGINNING, CONTINUING ALONG THE WEST RIGHT OF WAY LINE AND THE EAST LINE OF SAID PARCEL SOUTH 03 DEGREES 19 MINUTES 34 SECONDS WEST, A DISTANCE OF 372.93 FEET TO A FOUND 5/8 INCH IRON ROD AND CAP WITH AN ILLEGIBLE CAP, MARKING THE SOUTHEAST CORNER OF SAID PARCEL; THENCE LEAVING SAID WEST RIGHT OF WAY LINE AND SAID EAST LINE, ALONG THE SOUTH LINE OF SAID PARCEL, RUN NORTH 86 DEGREES 22 MINUTES 46 SECONDS WEST, A DISTANCE OF 1314.32 FEET TO A FOUND 1 INCH IRON PIPE, MARKING THE SOUTHWEST CORNER OF SAID PARCEL; THENCE LEAVING SAID SOUTH LINE, ALONG THE WEST LINE OF SAID PARCEL, RUN NORTH 09 DEGREES 24 MINUTES 18 SECONDS EAST, A DISTANCE OF 529.44 FEET TO A FOUND 1 INCH IRON PIPE; THENCE CONTINUE ALONG SAID WEST LINE NORTH 09 DEGREES 24 MINUTES 18 SECONDS EAST, A DISTANCE OF 391.48 FEET TO A FOUND 1 INCH IRON PIPE; THENCE CONTINUE ALONG SAID WEST LINE NORTH 09 DEGREES 24 MINUTES 18 SECONDS EAST, A DISTANCE OF 1182.36 FEET TO A FOUND 5/8 INCH IRON ROD AND CAP STAMPED SAM LLC LB 7908, MARKING THE NORTHWEST CORNER OF SAID PARCEL; THENCE LEAVING SAID WEST LINE, RUN SOUTH 28 DEGREES 59 MINUTES 42 SECONDS EAST, A DISTANCE OF 2041.59 FEET TO THE POINT OF BEGINNING, CONTAINING 36.242 ACRES, MORE OR LESS.

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

FINAL SUBMITTAL
PLOT DATE: 01/14/21.

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

FINAL SUBMITTAL

DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00008423
10230 NORTH PALAFOX STREET
PENSACOLA, FL 32534
PH: (850)476-8677 FAX: (850)476-7708

NAUTICAL LANDING

EXISTING CONDITIONS

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL

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

PROJECT NUMBER 19-010

PLOT DATE 01/14/21

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FINAL SUBMITTAL

DAVID W. FITZPATRICK

PROFESSIONAL ENGINEER, P.A.
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NAUTICAL LANDING

DIMENSION PLAN

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL

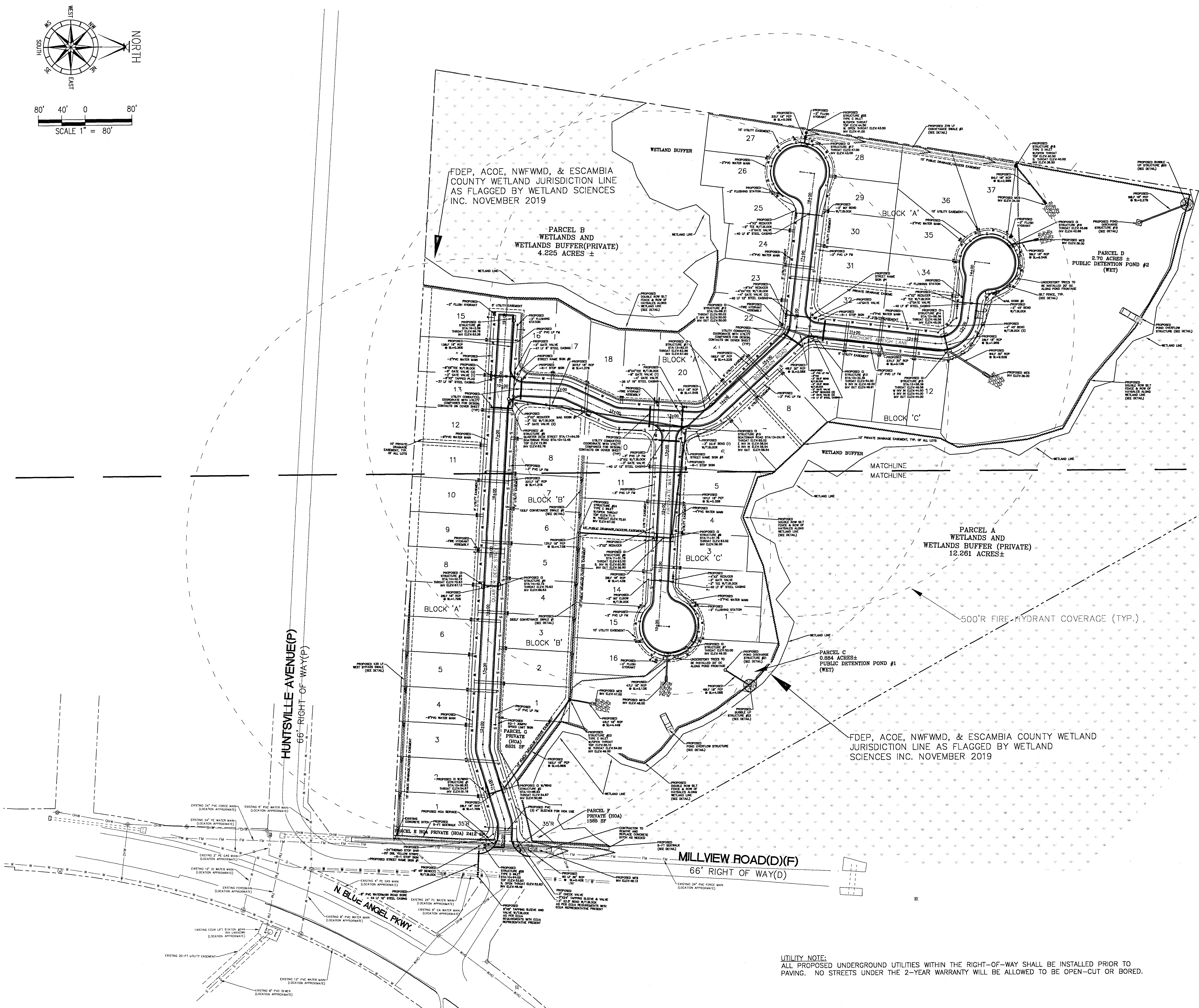
DAVID W. FITZPATRICK LICENSE No 47818 STATE OF FLORIDA PROFESSIONAL ENGINEER

PROJECT NUMBER 19-010

PLOT DATE 01/14/21

SHEET C3 OF C22

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



UTILITY NOTE:
ALL PROPOSED UNDERGROUND UTILITIES WITHIN THE RIGHT-OF-WAY SHALL BE INSTALLED PRIOR TO PAVING. NO STREETS UNDER THE 2-YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT OR BORED.

FINAL SUBMITTAL

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NAUTICAL LANDING

SITE-UTILITY OVERALL

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK

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

DATE

PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C4 OF C22

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH
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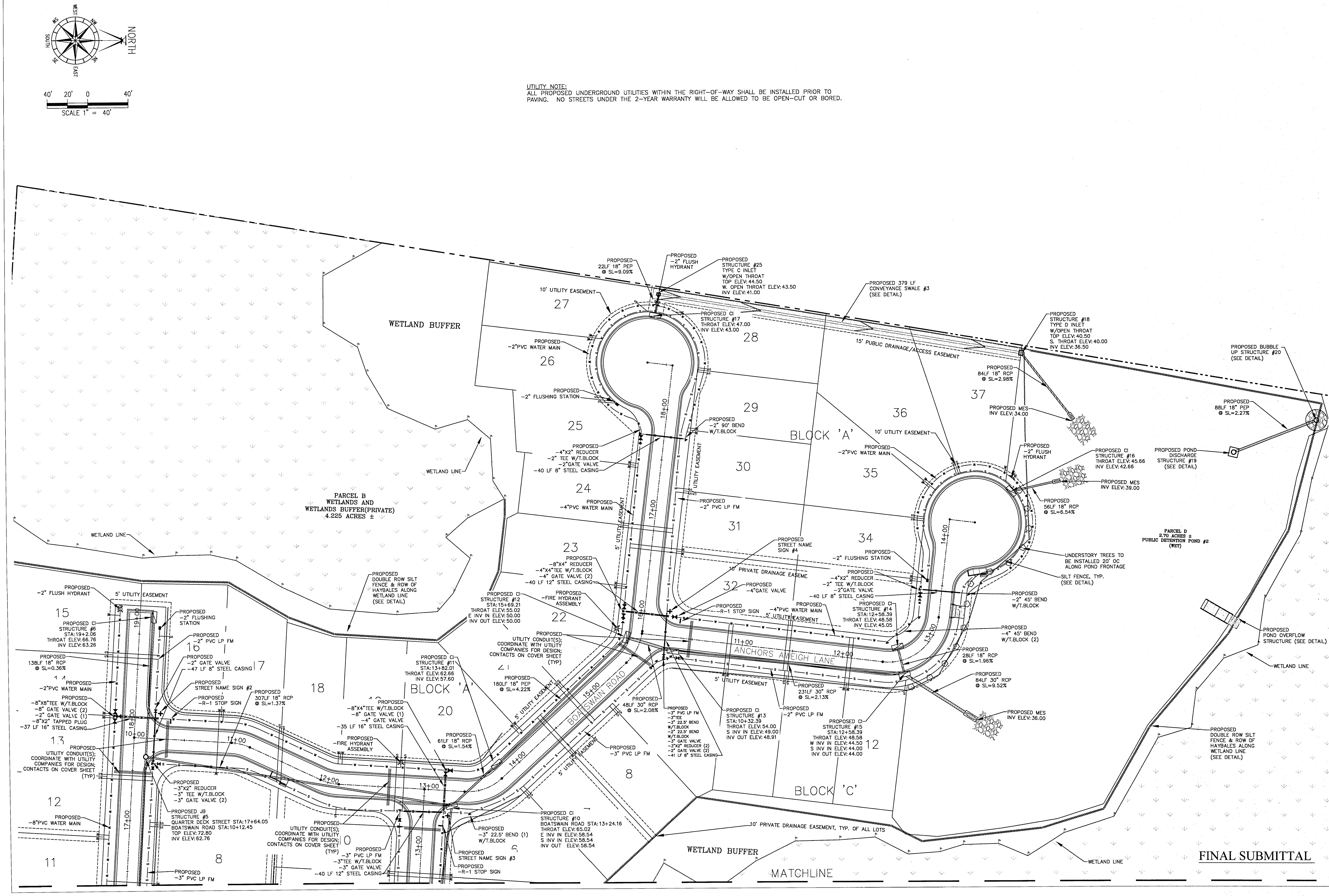

FINAL SUBMITTAL

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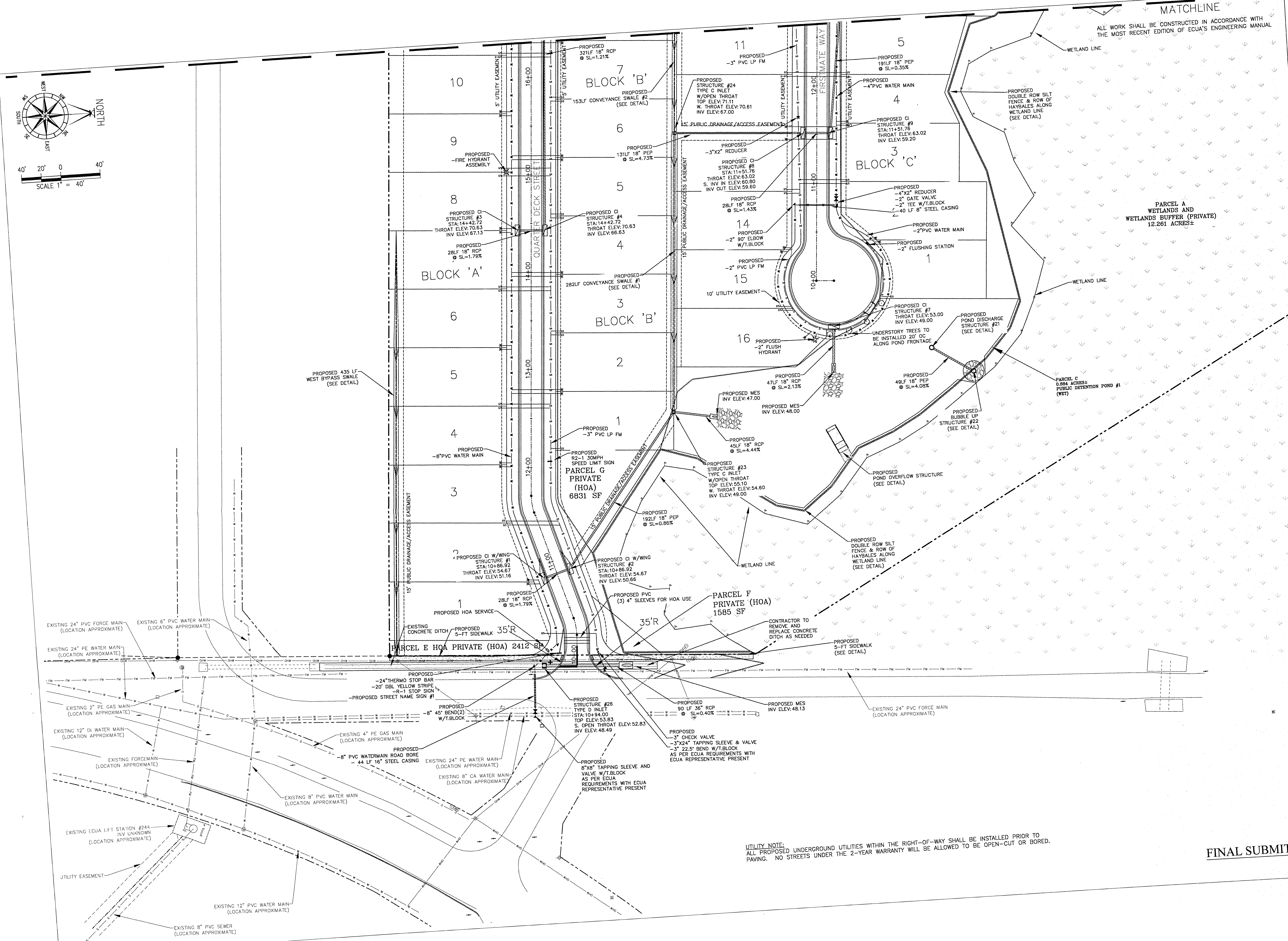
NAUTICAL LANDING

SITE-UTILITY WEST

DATE	REVISION	NUMBER

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
SIGNATURE & SEAL
DAVID W. FITZPATRICK LICENSE No. 47818 STATE OF FLORIDA PROFESSIONAL ENGINEER

PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C5 OF C22



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UTILITY NOTE:
ALL PROPOSED UNDERGROUND UTILITIES WITHIN THE RIGHT-OF-WAY SHALL BE INSTALLED PRIOR TO PAVING. NO STREETS UNDER THE 2-YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT OR BORED.

FINAL SUBMITTAL

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NAUTICAL LANDING

SITE-UTILITY EAST

DATE | REVISION | NUMBER

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL

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

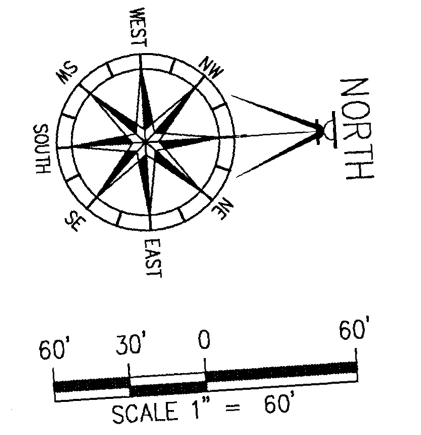
DATE

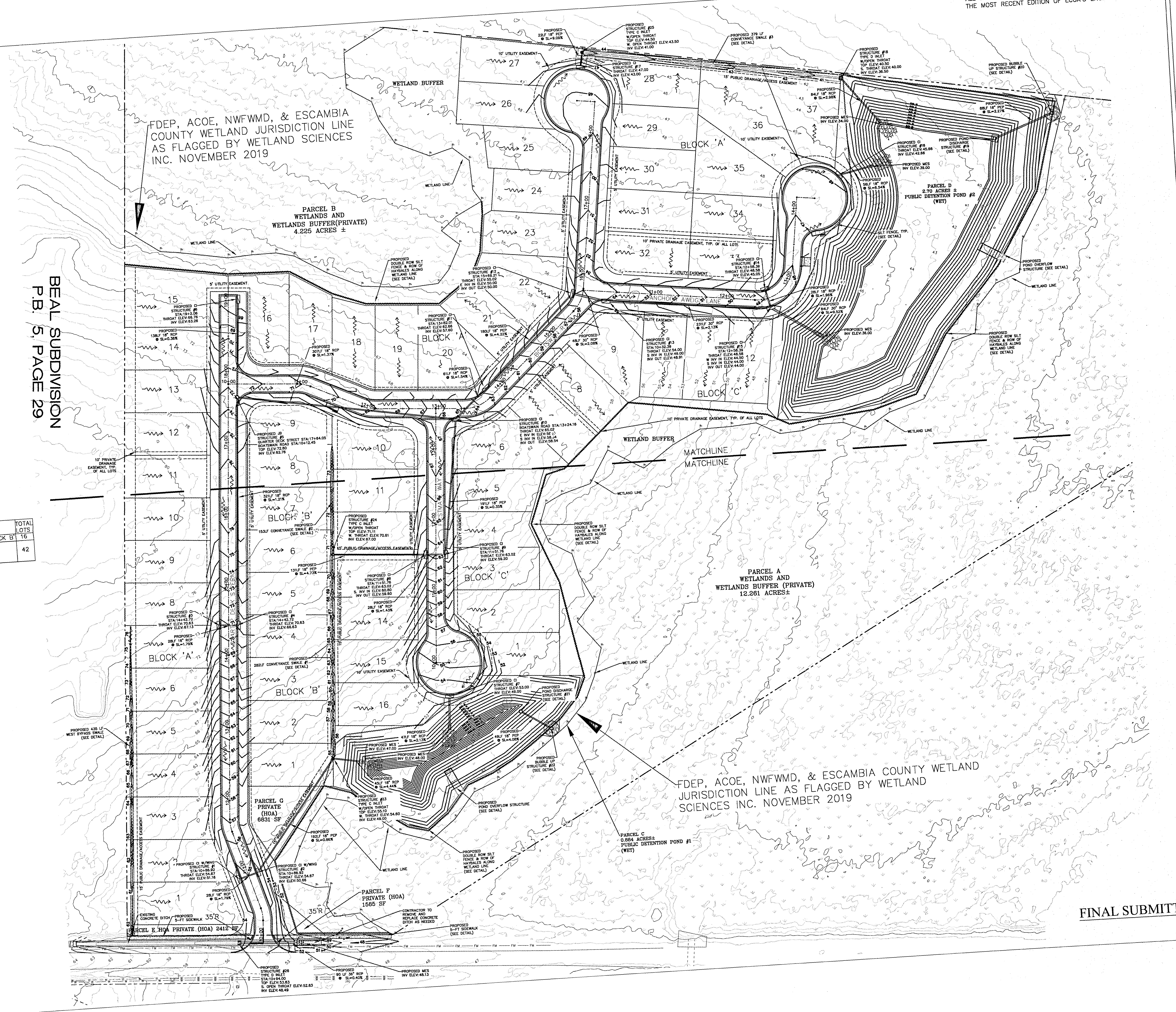
PROJECT NUMBER 19-010

PLOT DATE 01/14/21

SHEET C6 OF C22

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





PRIVATE DRAINAGE EASEMENT NOTE:
THERE IS A MINIMUM 5' PRIVATE DRAINAGE EASEMENT ALONG ALL COMMON LOT LINES (10' CUMULATIVE). HOME BUILDER IS TO CONSTRUCT DRAINAGE SWALES AS REQUIRED ALONG THESE EASEMENTS TO DIRECT WATER TO A STORM WATER CONVEYANCE SYSTEM AND NOT ACROSS NEIGHBORING LOTS.

DRAINAGE STRUCTURE CHART

MANHOLES	INLETS	OUTFALL STRUC.	PIPE (FEET) 18"	30"	36"
1	21	4	2,022	363	90

POND SYSTEM CHART

POND	POND AREA	ACRES	LOTS IN POND SYSTEM	TOTAL LOTS
1	19,277	0.44	2-7, 'BLOCK A', 1-6 & 13-16 'BLOCK B'	16
2	73,707	1.69	8-37, 'BLOCK A' 7-12 'BLOCK B' 7-12 'BLOCK C'	42

FINAL SUBMITTAL

DAVID W. FITZPATRICK
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PENSACOLA, FL 32534
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NAUTICAL LANDING

SITE-DRAINAGE OVERALL

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
SIGNATURE & SEAL
DAVID W. FITZPATRICK LICENSE No 47919 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE
PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C7 OF C22

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

FINAL SUBMITTAL

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PH: (850)476-8677 FAX: (850)476-7708

NAUTICAL LANDING

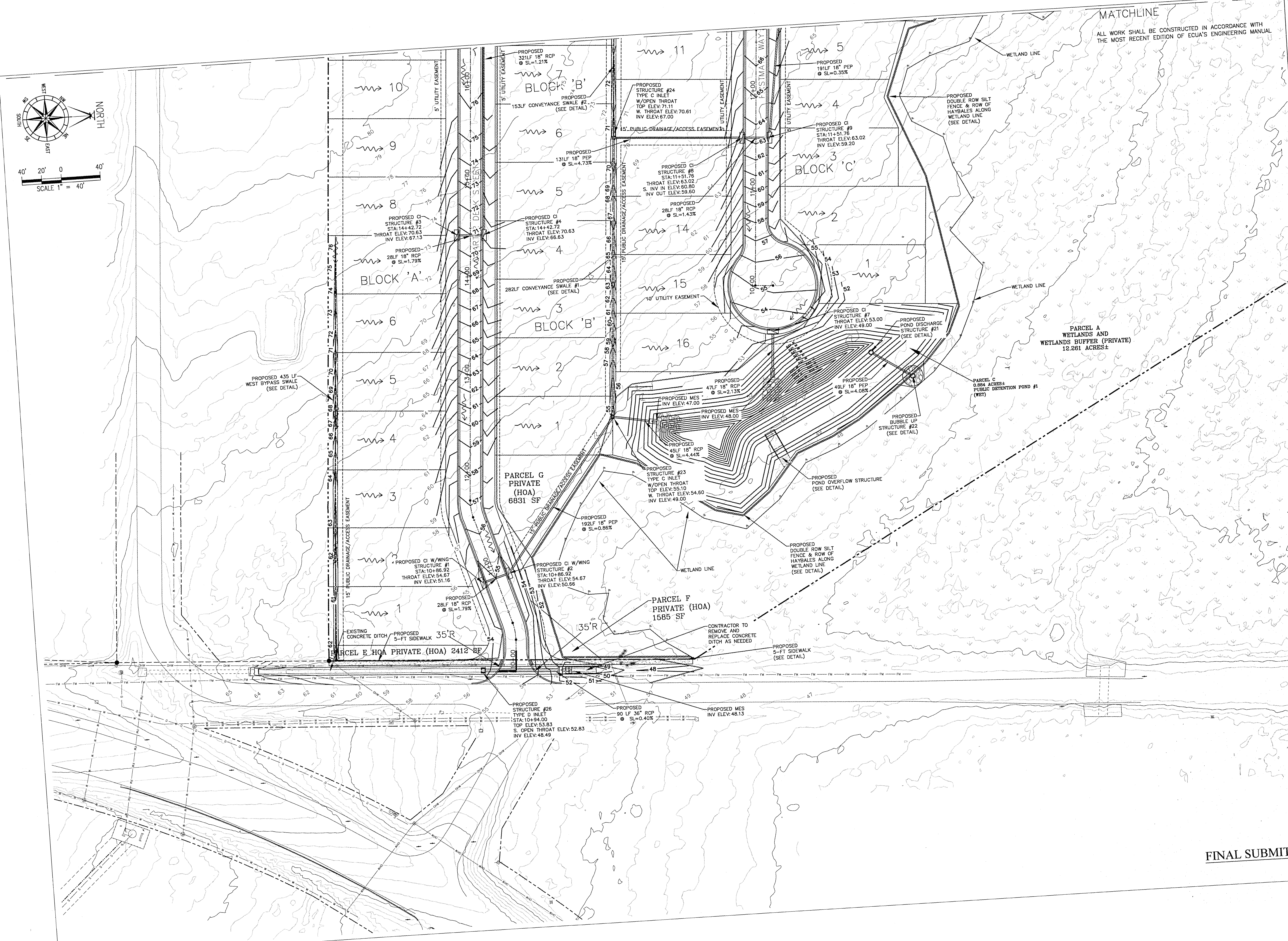
SITE-DRAINAGE WEST

DATE | REVISION | NUMBER

DRAWN BY: B.PEMENT
DESIGNED BY: D. FITZPATRICK

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

PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C8 OF C22



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NAUTICAL LANDING

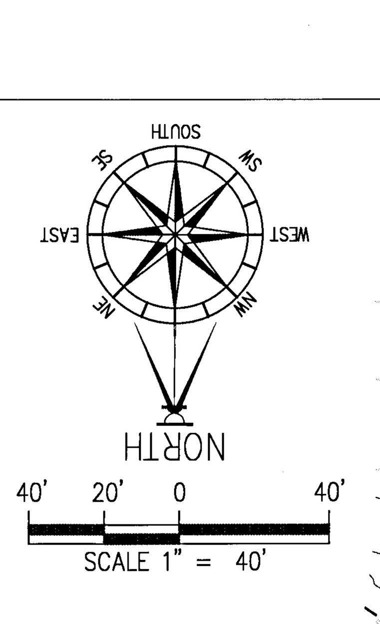
SITE-DRAINAGE EAST

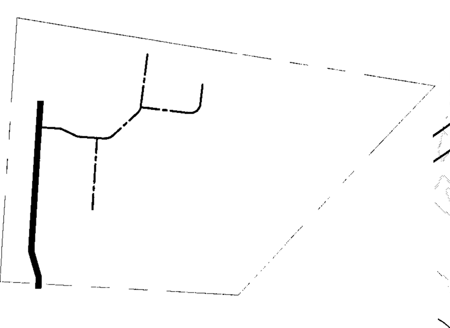
NUMBER	REVISION	DATE

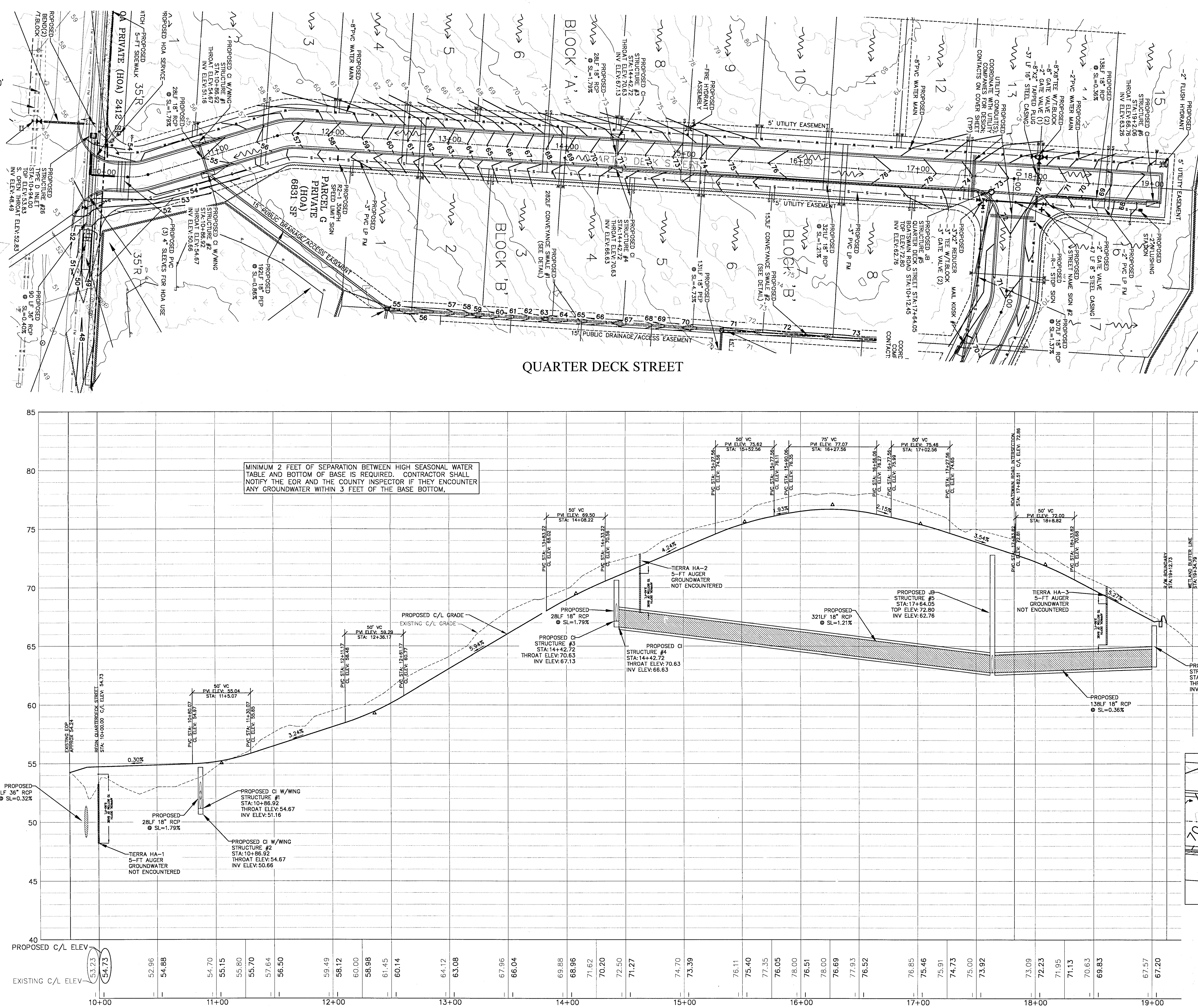
DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
SIGNATURE & SEAL
DATE
PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C9 OF C22

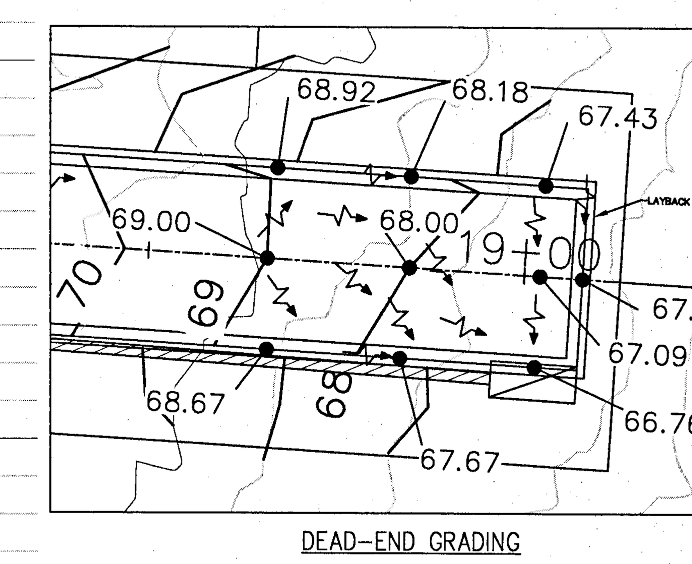
FINAL SUBMITTAL

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









FINAL SUBMITTAL

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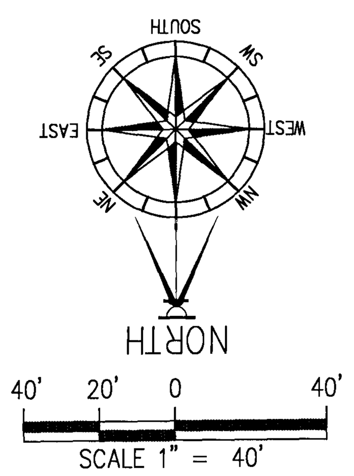
NAUTICAL LANDING

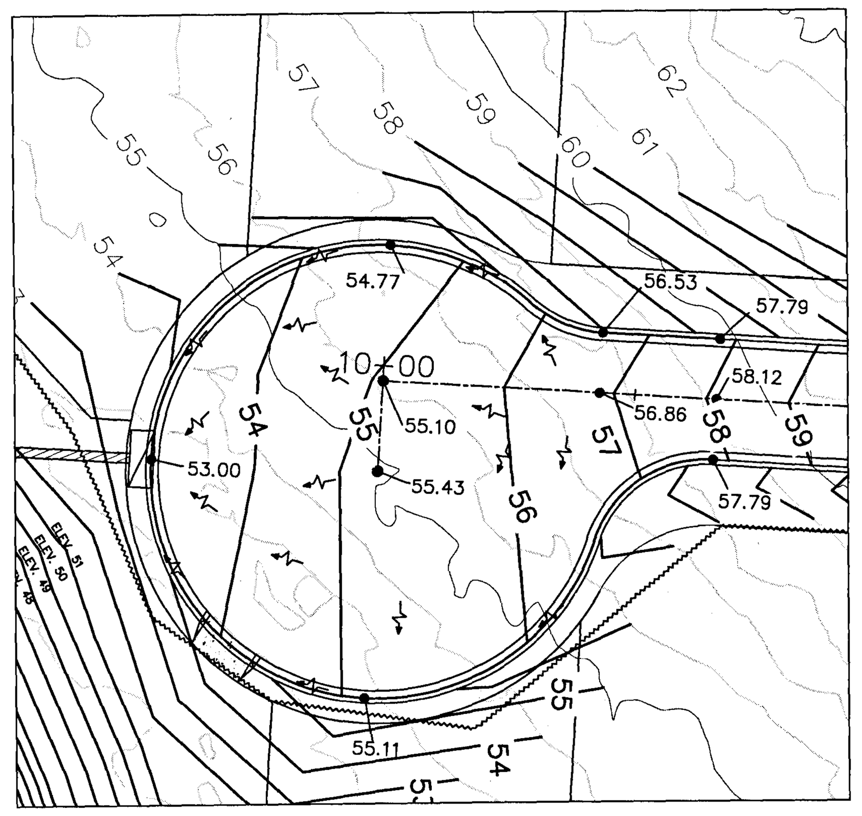
QUARTER DECK STREET PLAN/PROFILE

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
SIGNATURE & SEAL
DAVID W. FITZPATRICK LICENSE No. 42018 STATE OF FLORIDA PROFESSIONAL ENGINEER
PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C10 OF C22

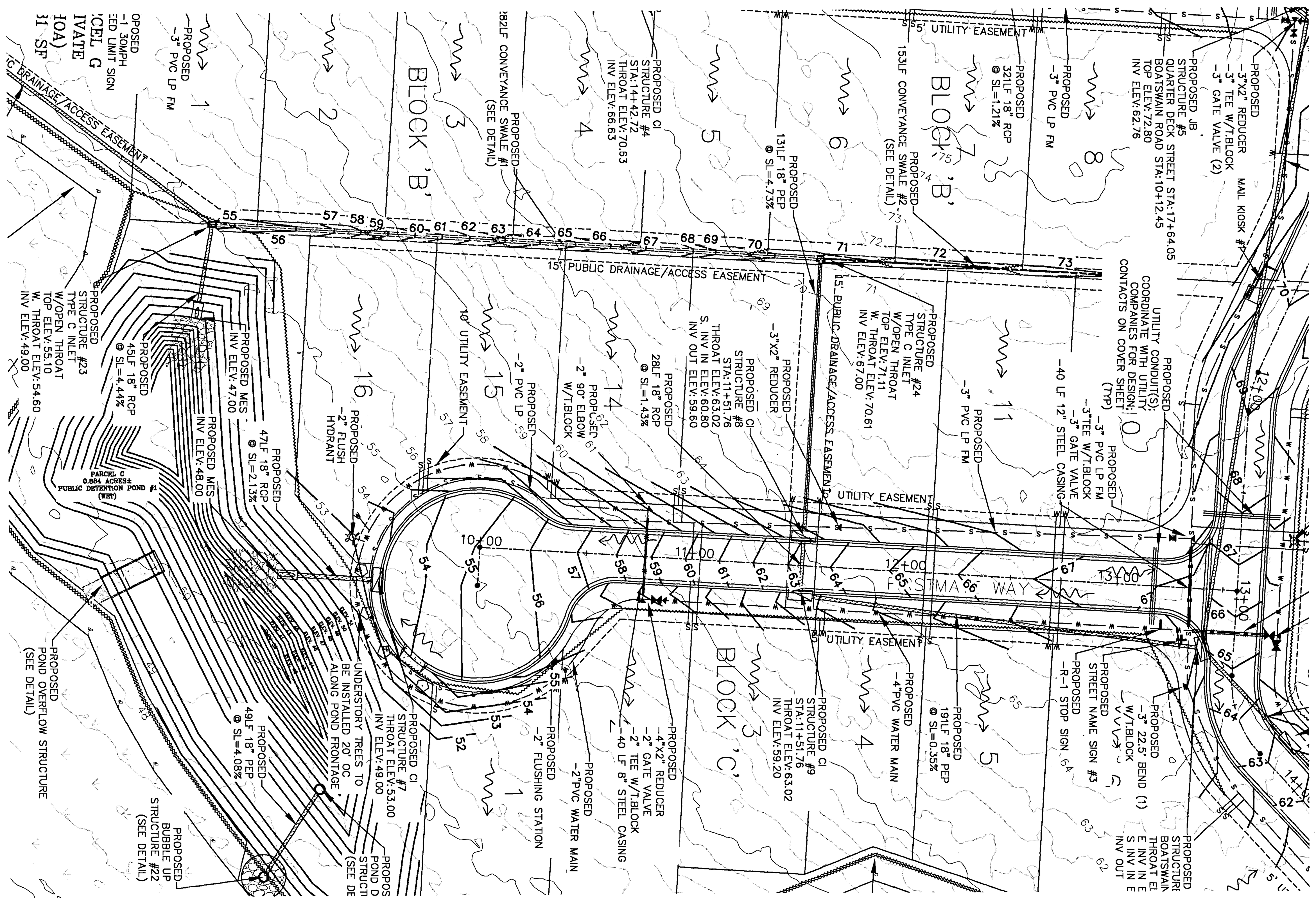
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL



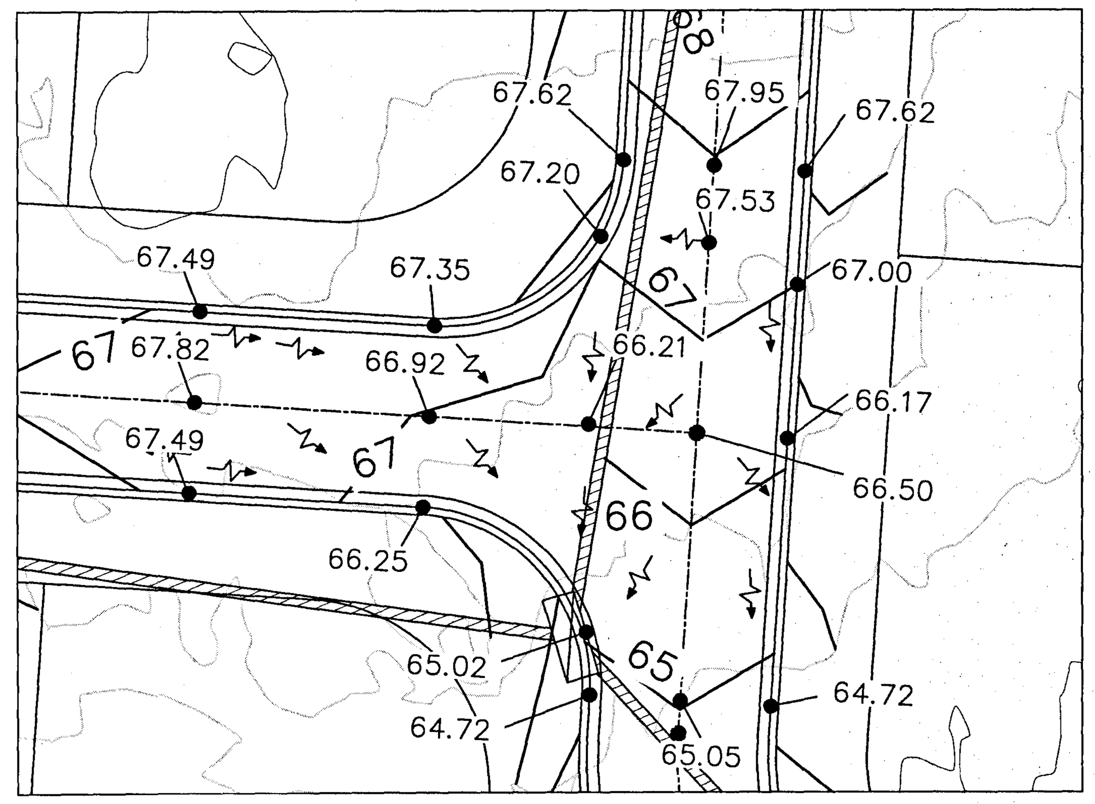


CUL-DE-SAC GRADING

SCALE: 1:30

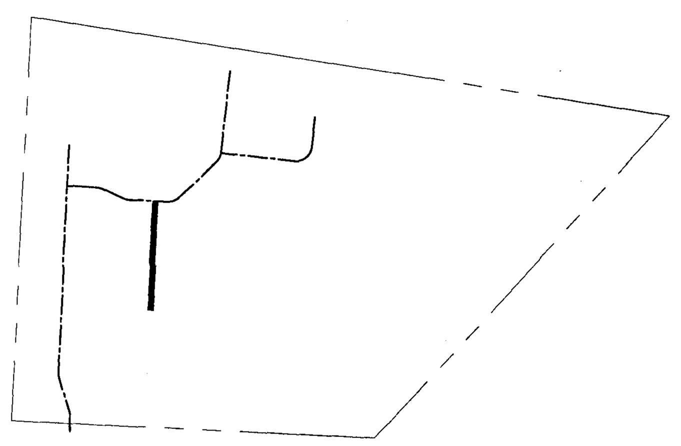


FIRSTMATE WAY

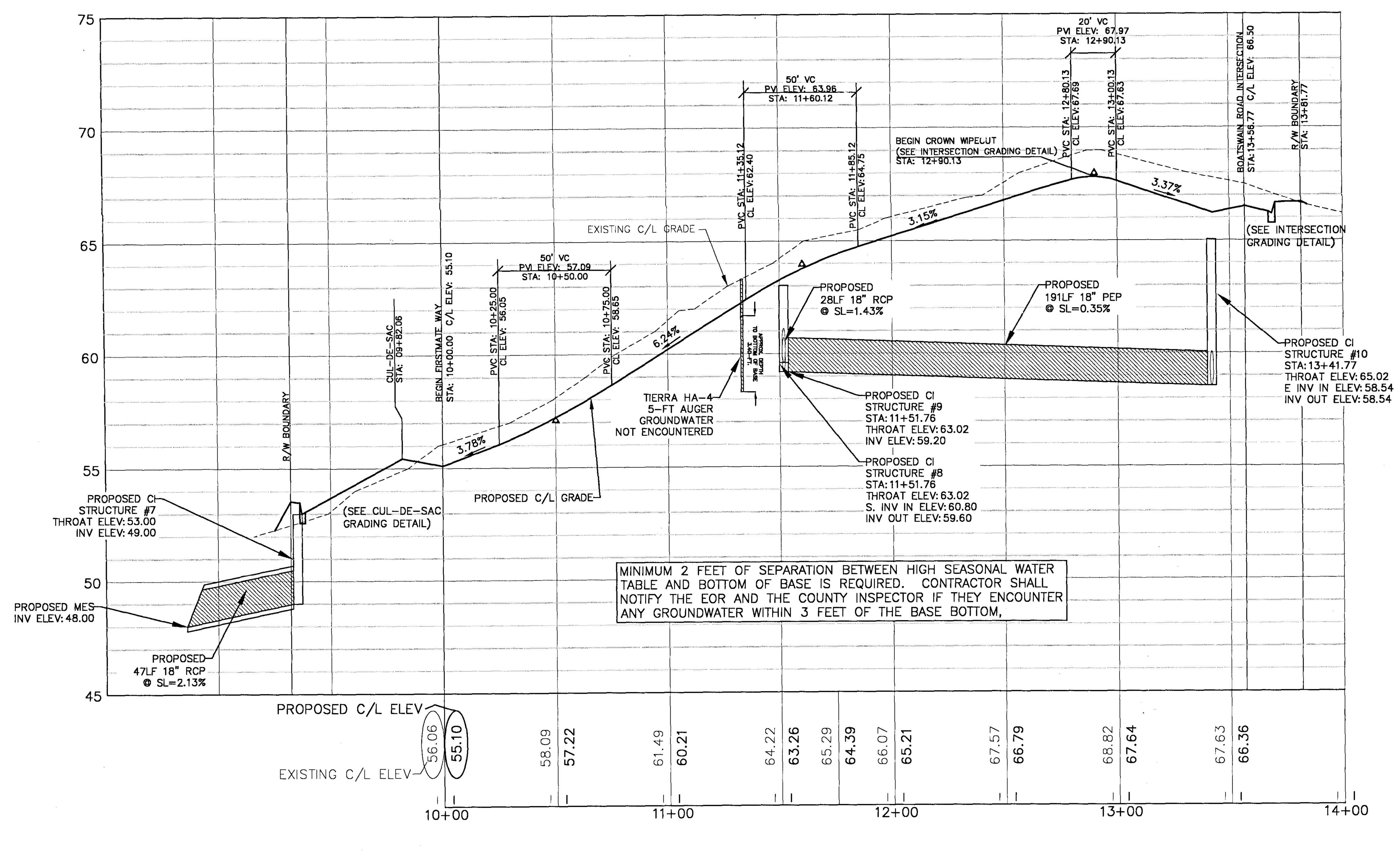


INTERSECTION GRADING

SCALE: 1:20



PROFILE LOCATION



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NAUTICAL LANDING

FIRSTMATE WAY PLAN/PROFILE

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

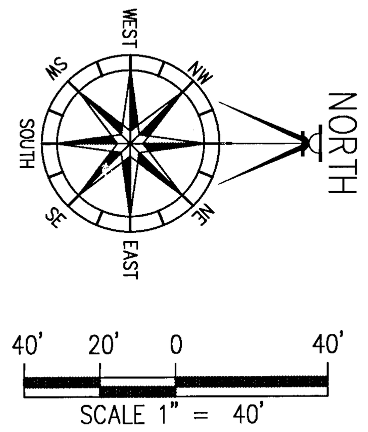
SIGNATURE & SEAL

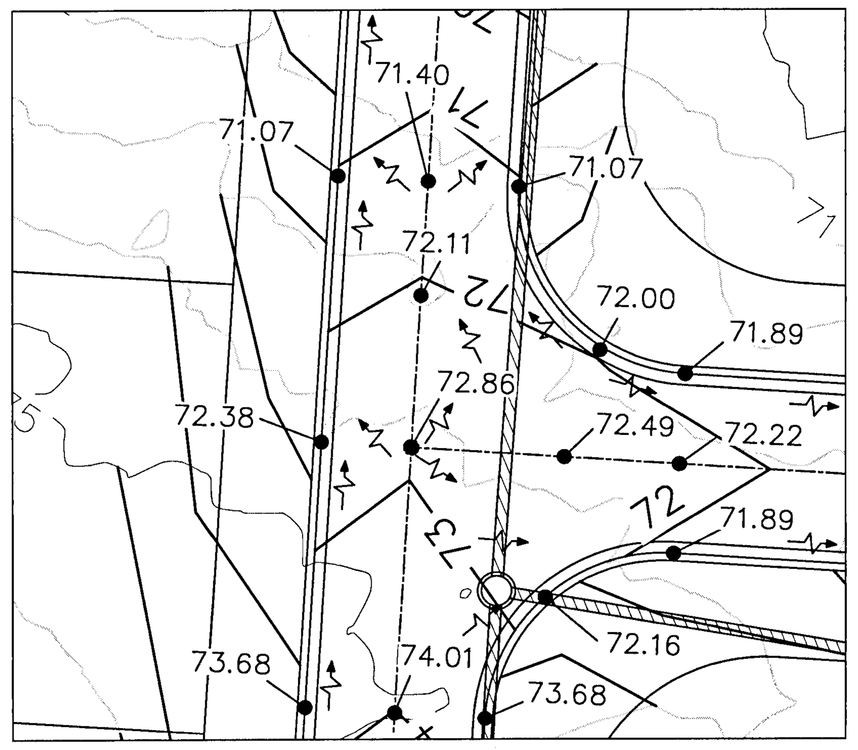
PROJECT NUMBER 19-010

PLOT DATE 01/14/21

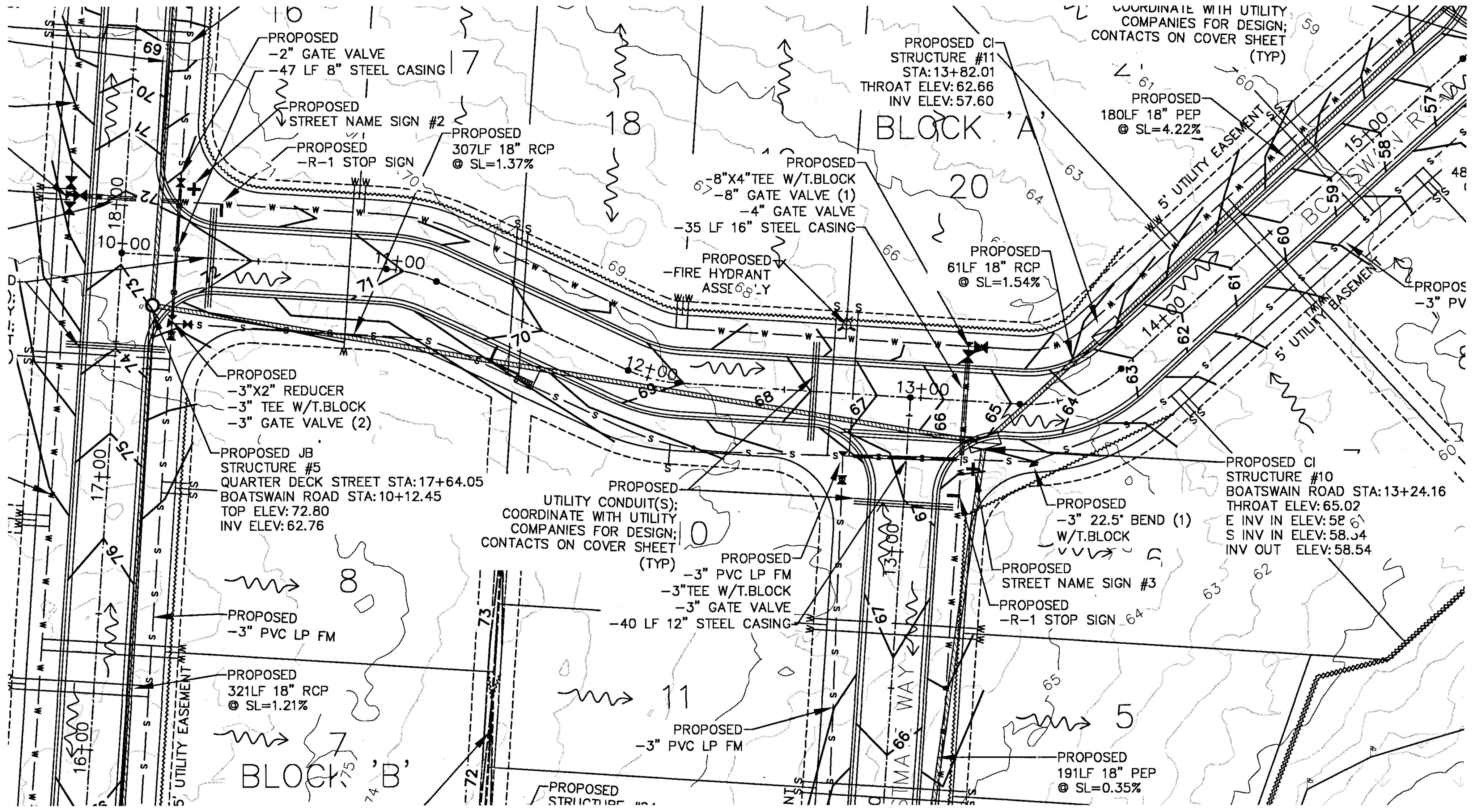
SHEET C11 OF C22

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

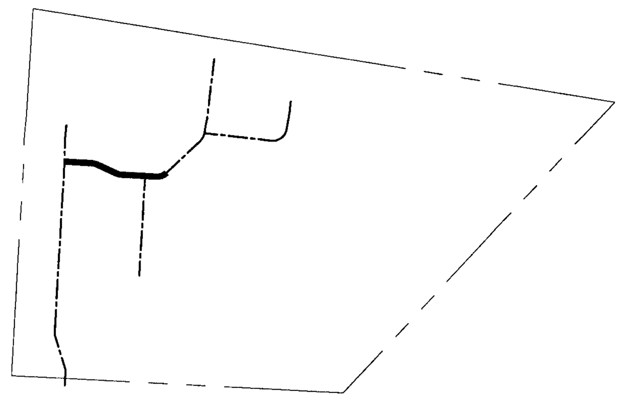




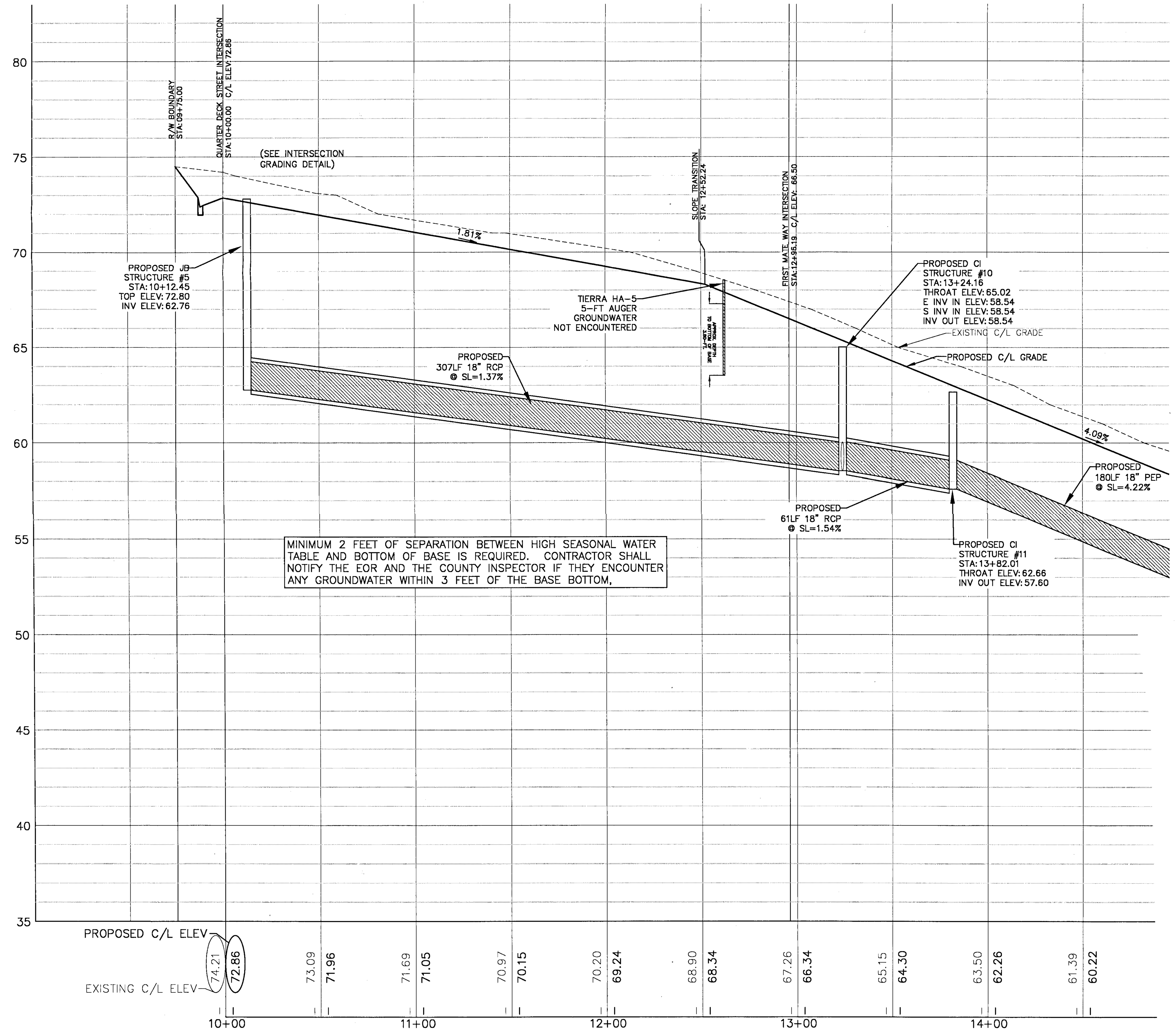
INTERSECTION GRADING
SCALE:1:20



BOATSWAIN ROAD



PROFILE LOCATION



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NAUTICAL LANDING

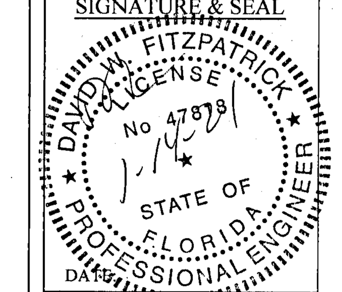
BOATSWAIN ROAD PLAN/PROFILE

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL

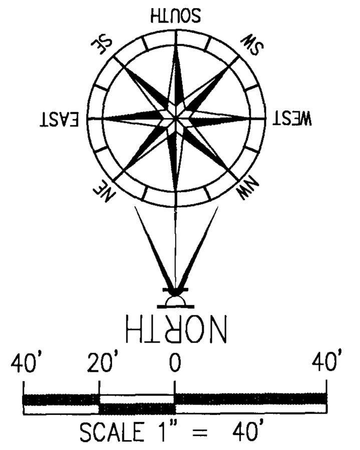


DATE

PROJECT NUMBER 19-010

PLOT DATE 01/14/21

SHEET C12 OF C22



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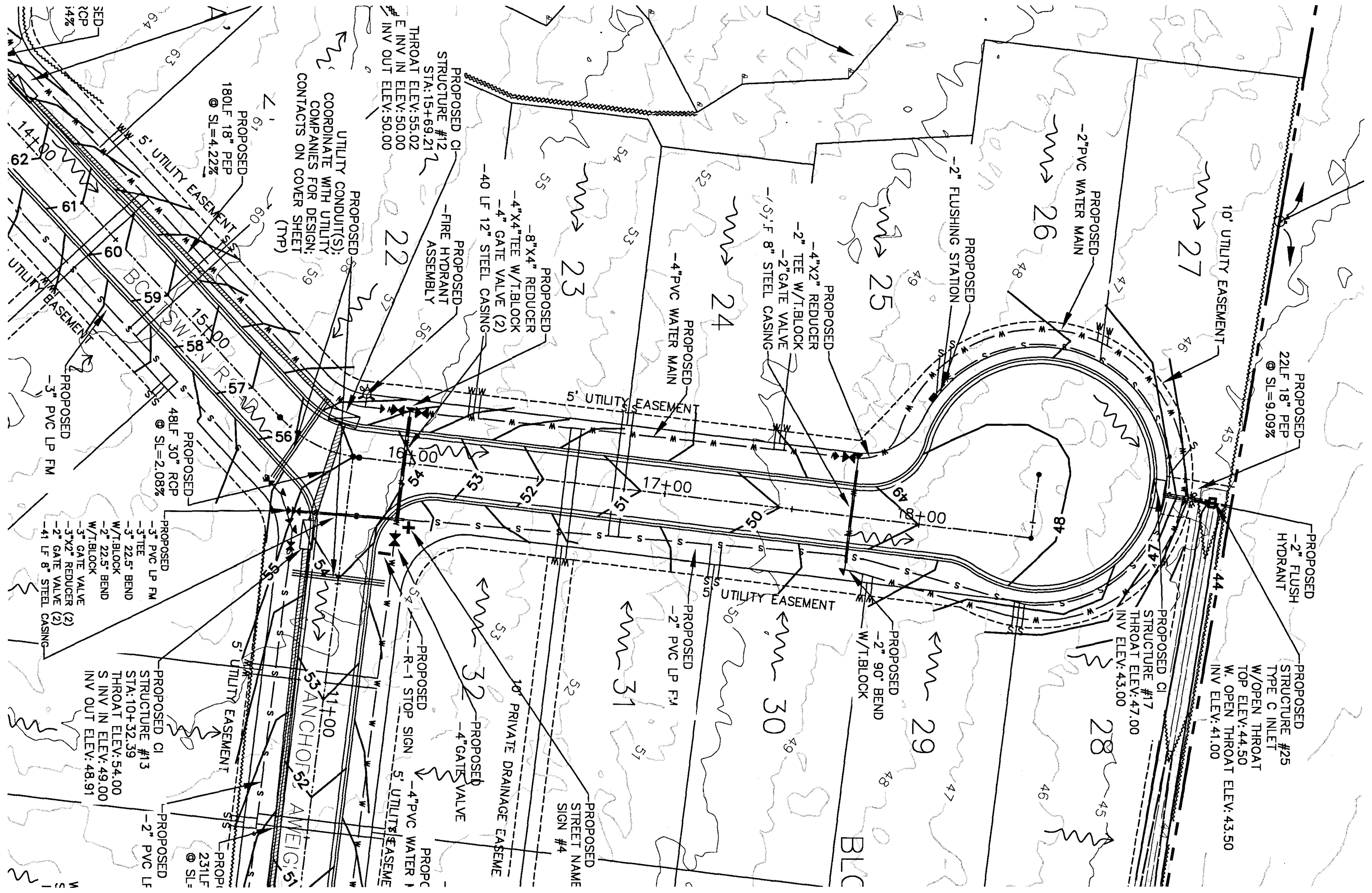
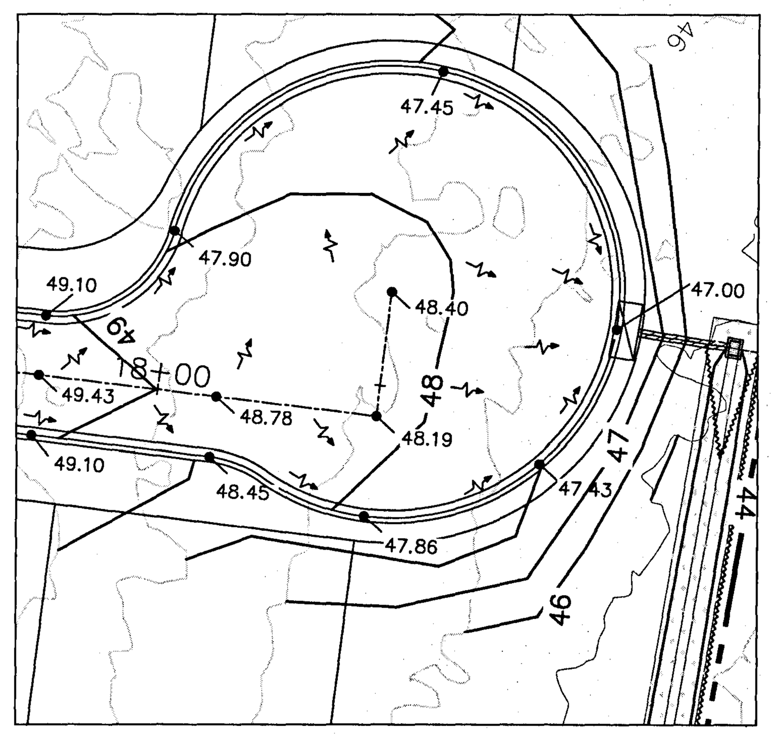
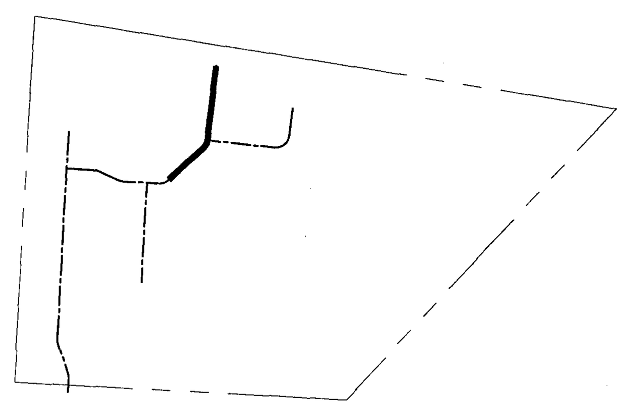


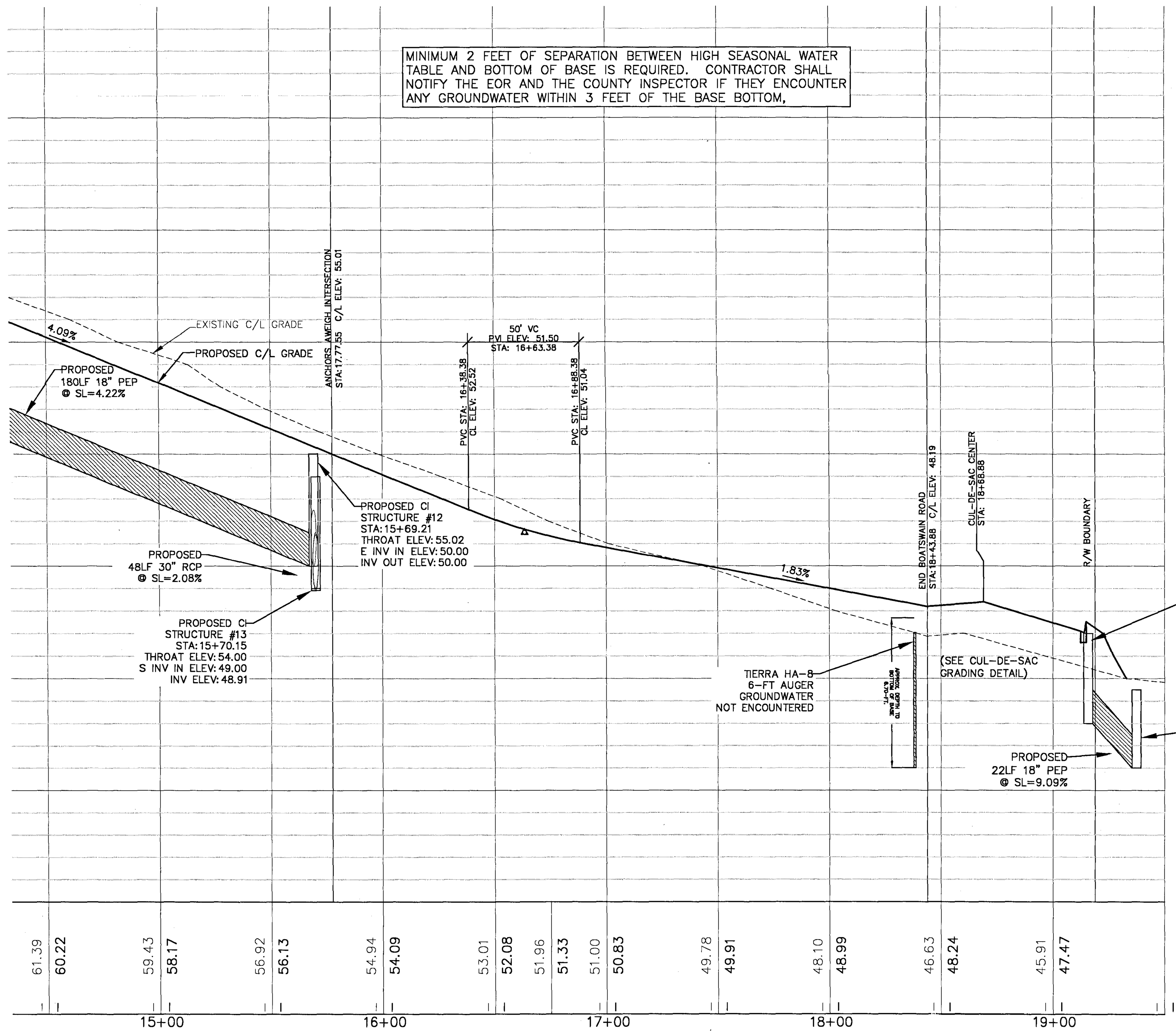
BOATSWAIN ROAD



CUL-DE-SAC GRADING
SCALE: 1:30



PROFILE LOCATION



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NAUTICAL LANDING

BOATSWAIN ROAD PLAN/PROFILE

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL

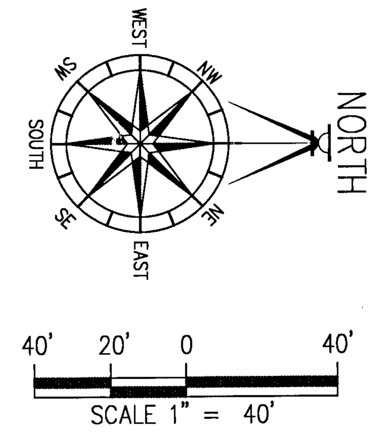
DAVID W. FITZPATRICK LICENSE No 47818 STATE OF FLORIDA PROFESSIONAL ENGINEER

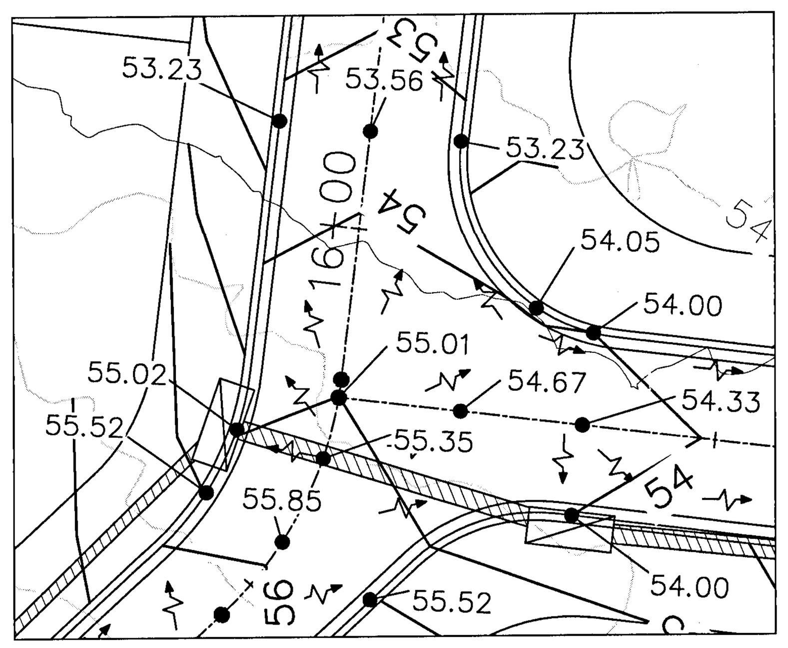
PROJECT NUMBER 19-010

PLOT DATE 01/14/21

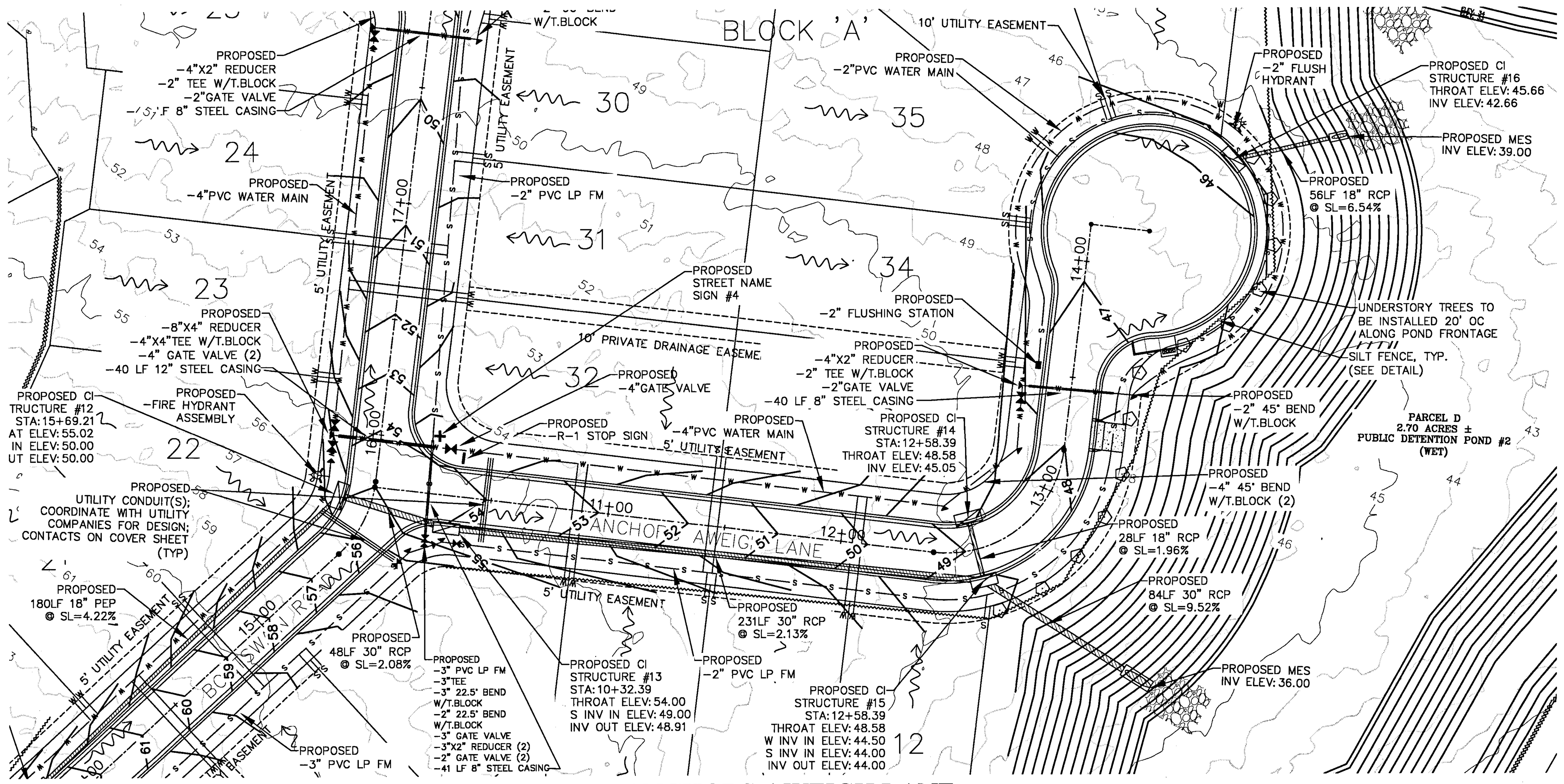
SHEET C13 OF C22

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

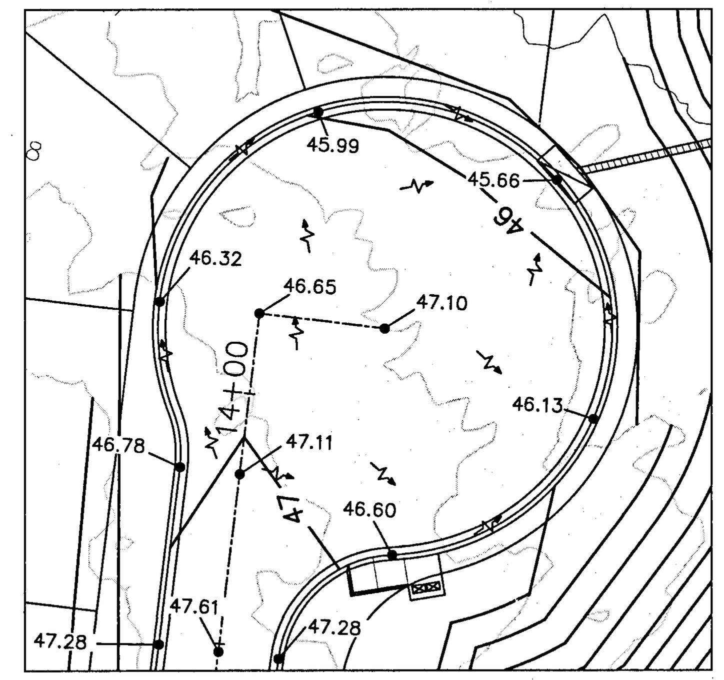




INTERSECTION GRADING
SCALE:1:20



ANCHORS AWEIGH LANE



CUL-DE-SAC GRADING
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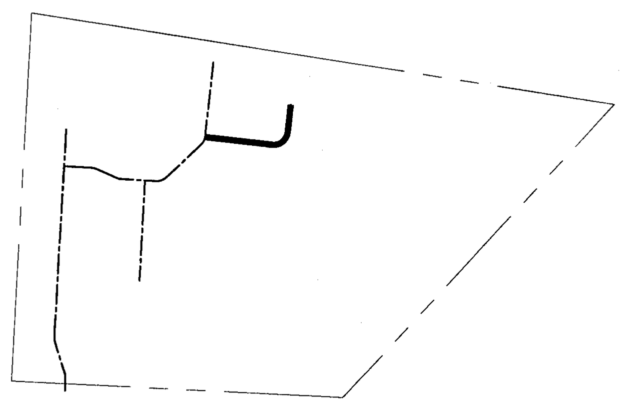
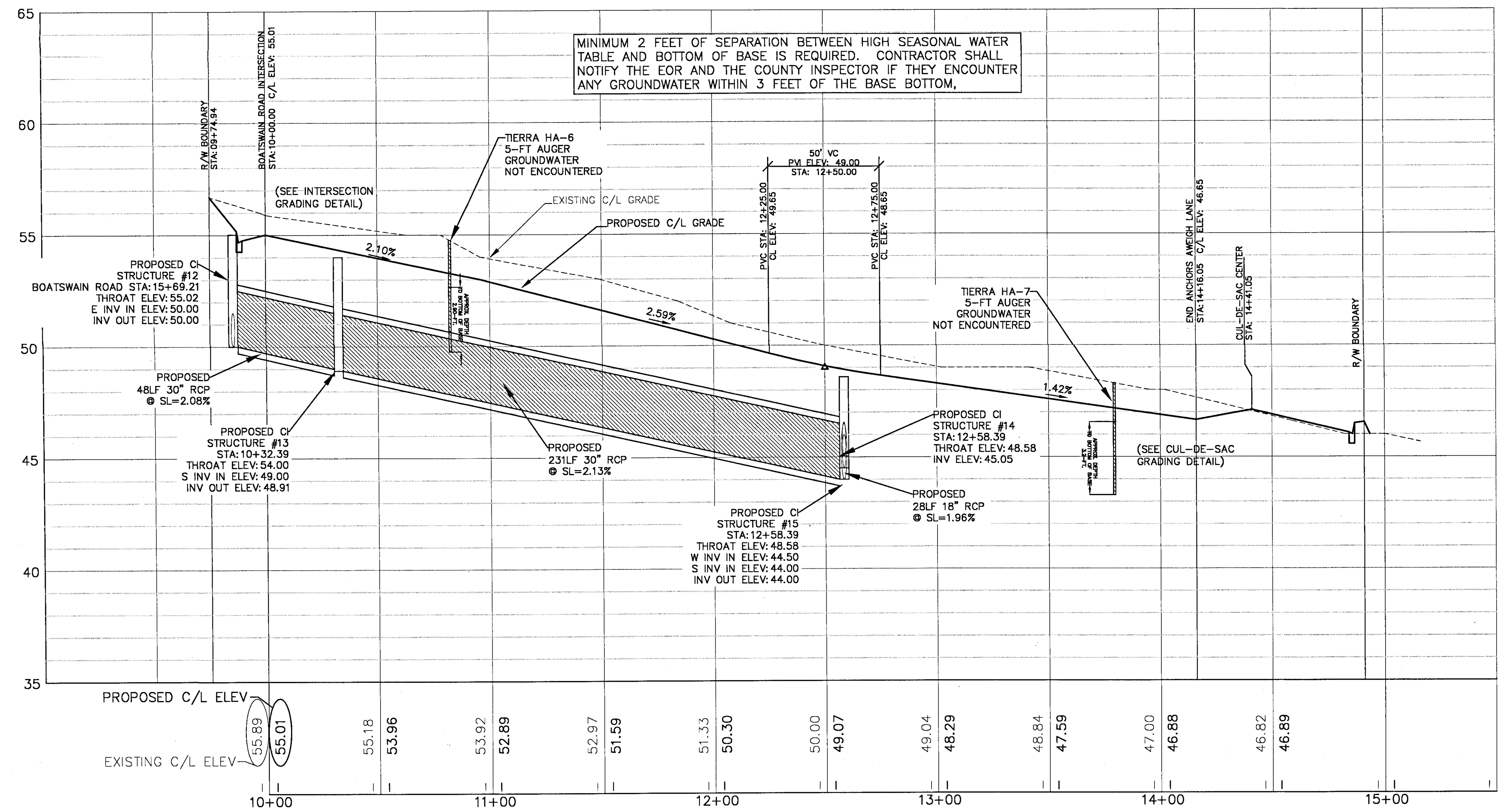


PROFILE LOCATION



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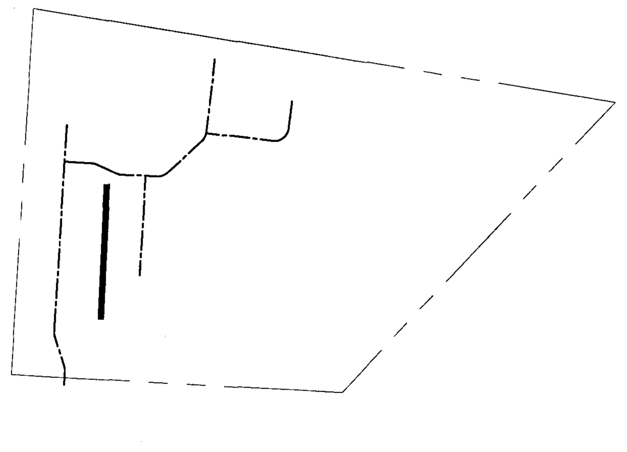
NAUTICAL LANDING

ANCHORS AWEIGH LANE PLAN/PROFILE

DATE	REVISION	NUMBER

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
SIGNATURE & SEAL
DAVID W. FITZPATRICK LICENSE No 47816 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE
PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C14 OF C22

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



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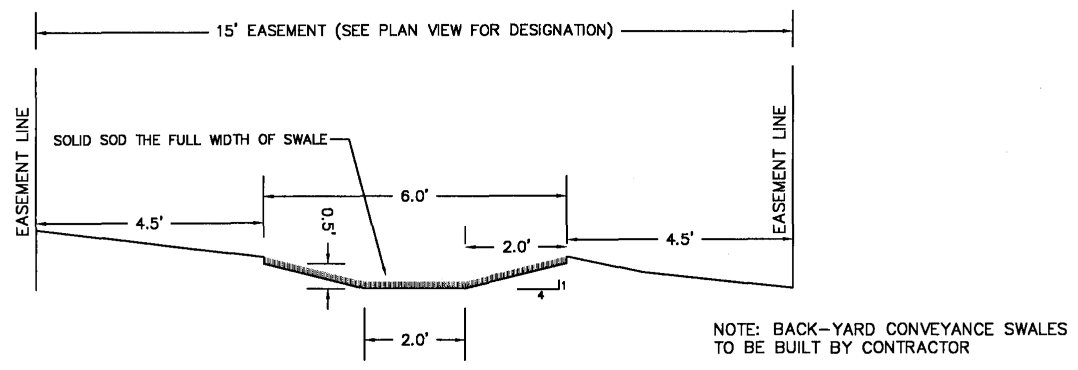
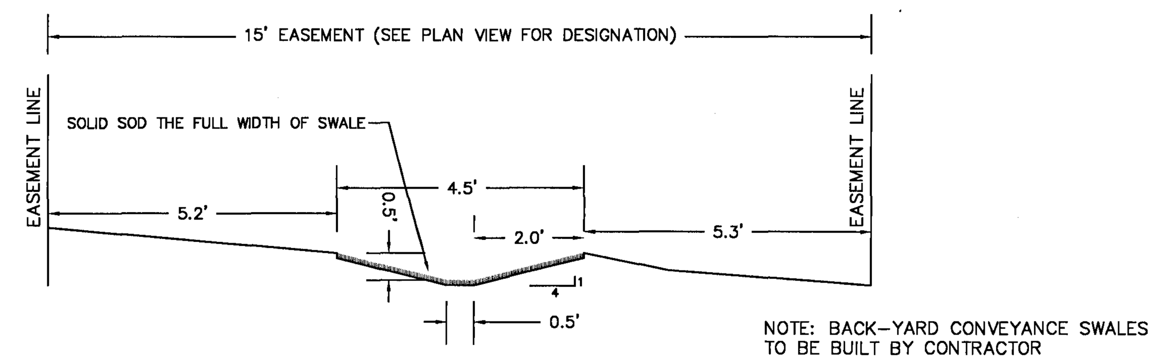


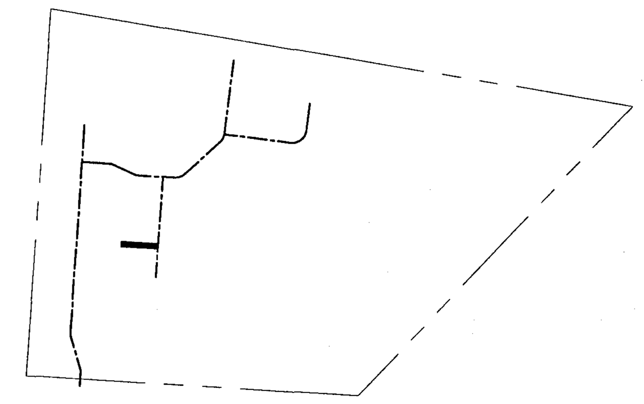
NOTE: BACK-YARD CONVEYANCE SWALES TO BE BUILT BY CONTRACTOR

SECTION A–A
CONVEYANCE SWALE #1 DETAIL
NTS

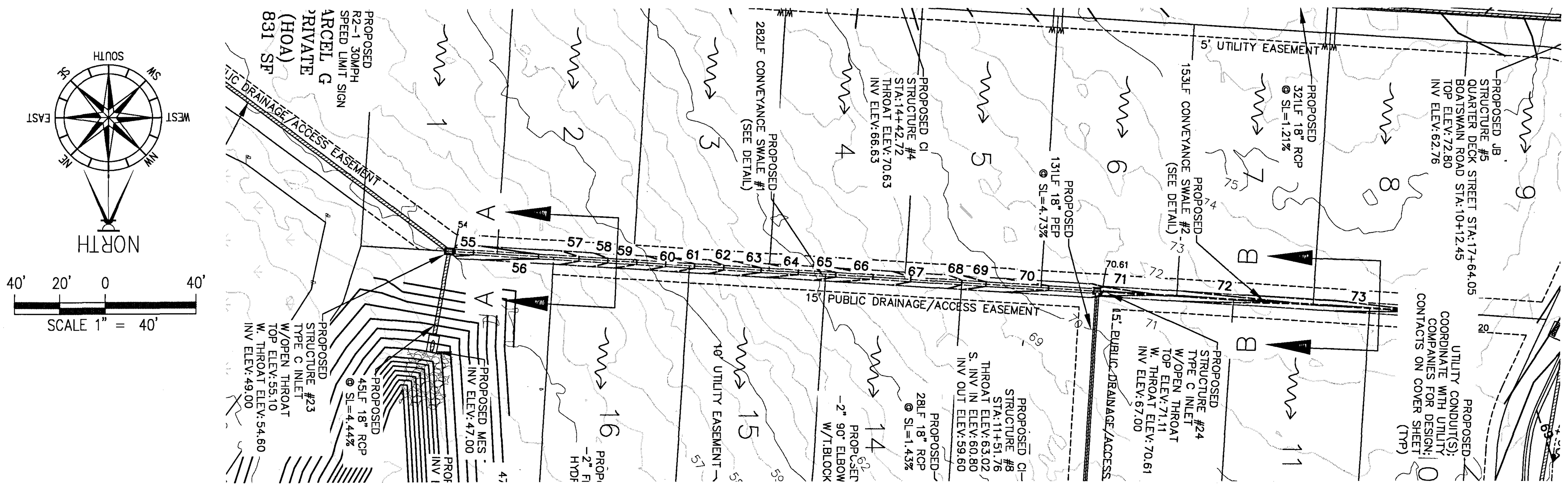


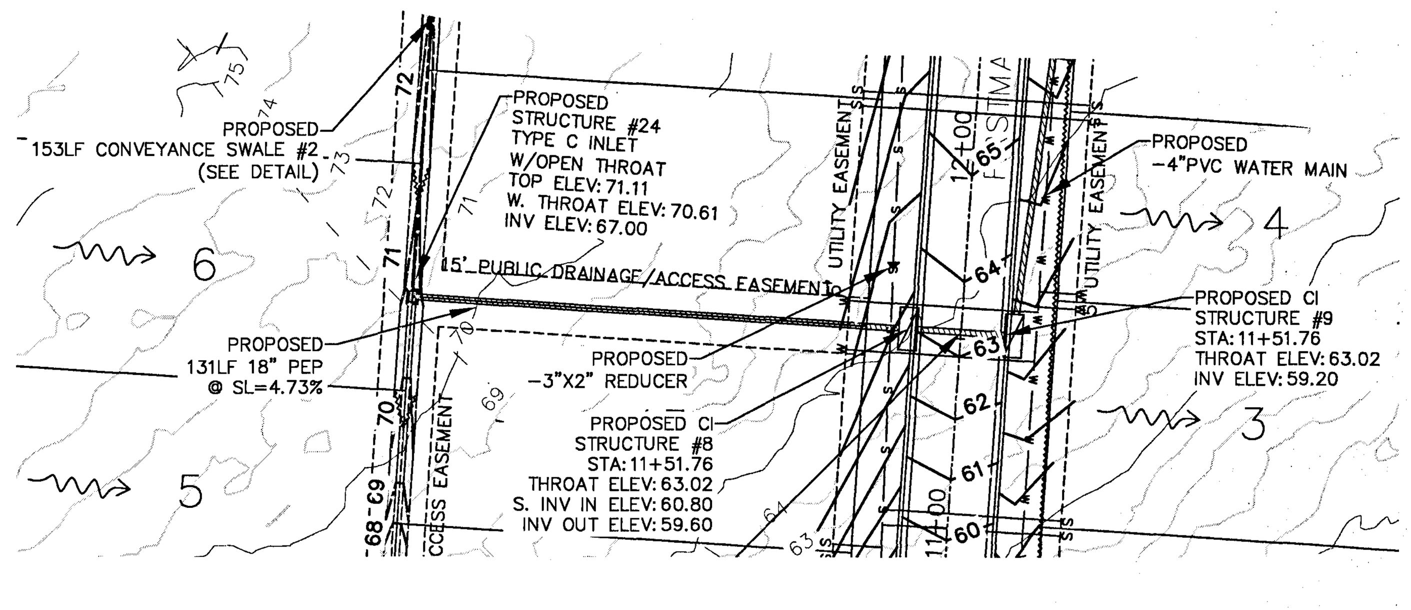
NOTE: BACK-YARD CONVEYANCE SWALES TO BE BUILT BY CONTRACTOR

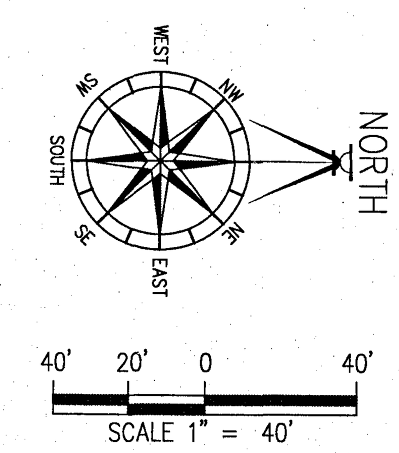
SECTION B–B
CONVEYANCE SWALE #2 DETAIL
NTS

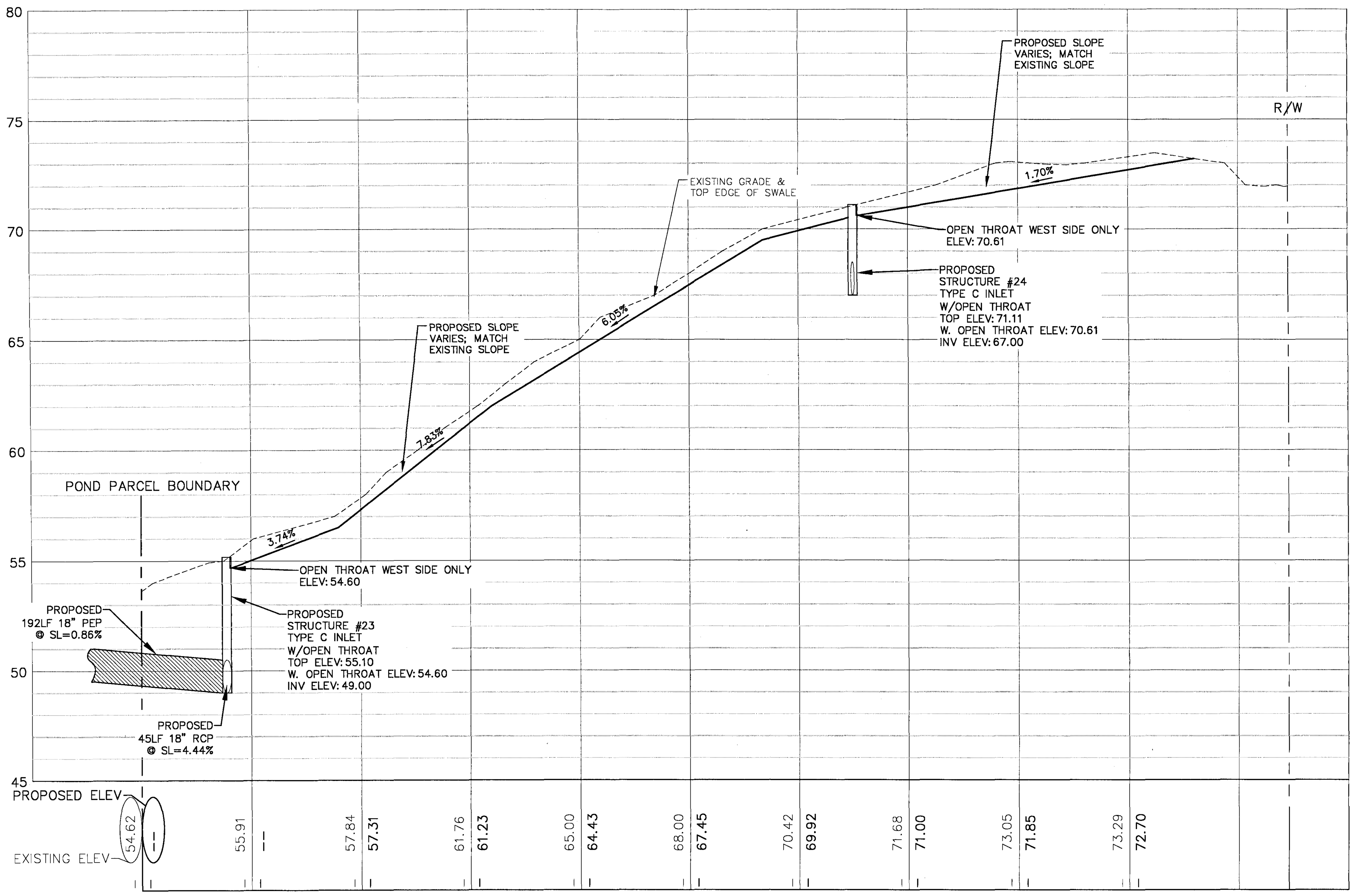


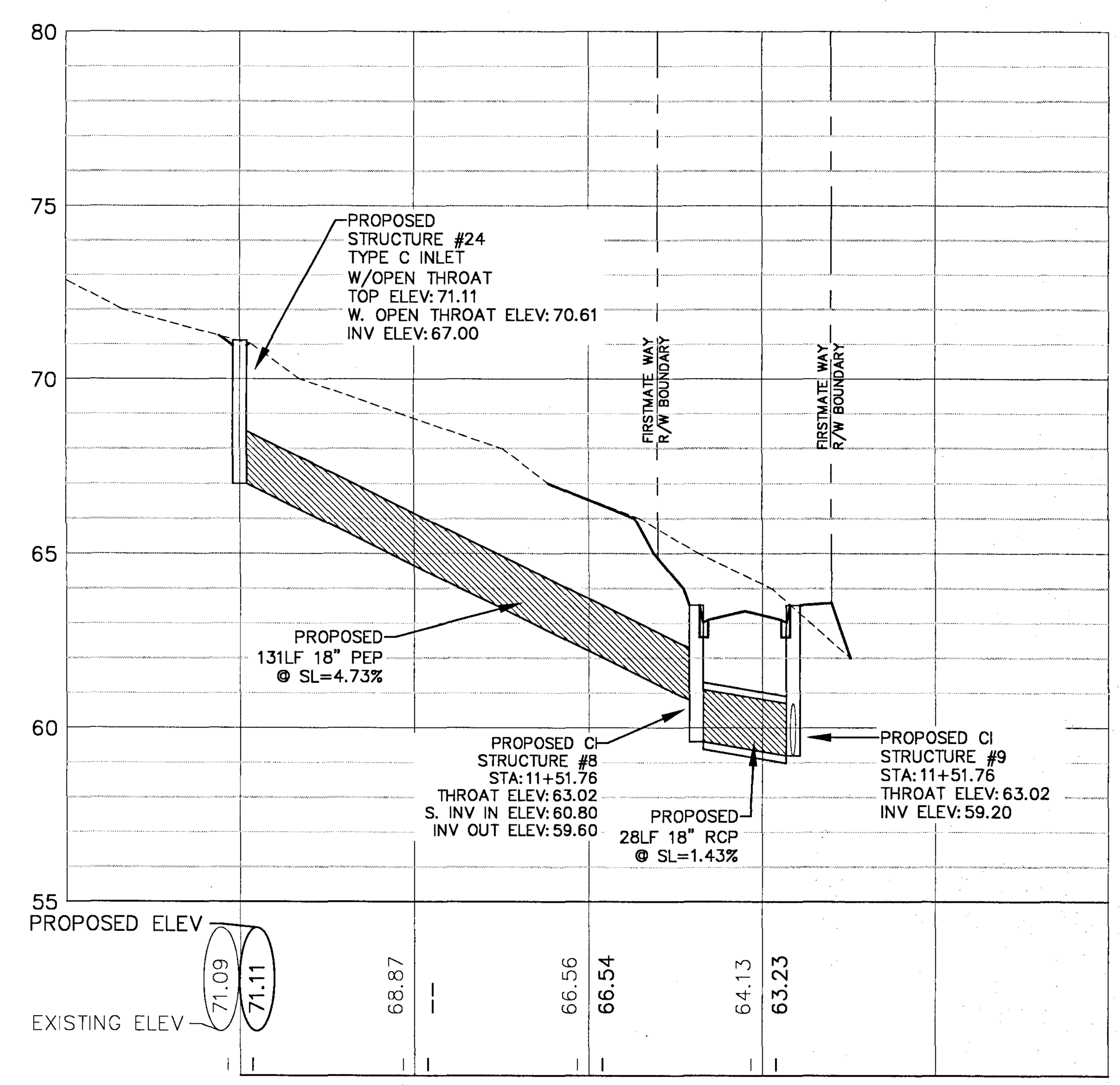
PROFILE LOCATION











FINAL SUBMITTAL

DAVID W. FITZPATRICK
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BOARD OF PROFESSIONAL REGULATION #00008423
10250 NORTH PALAFOX STREET
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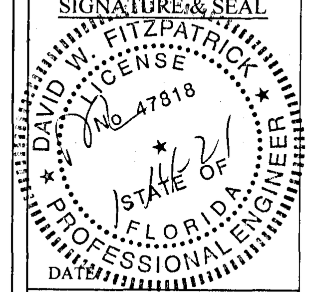
NAUTICAL LANDING

MISC. PLAN/PROFILE

NUMBER	REVISION	DATE

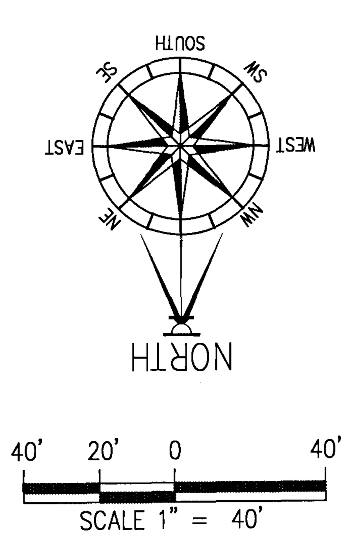
DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK

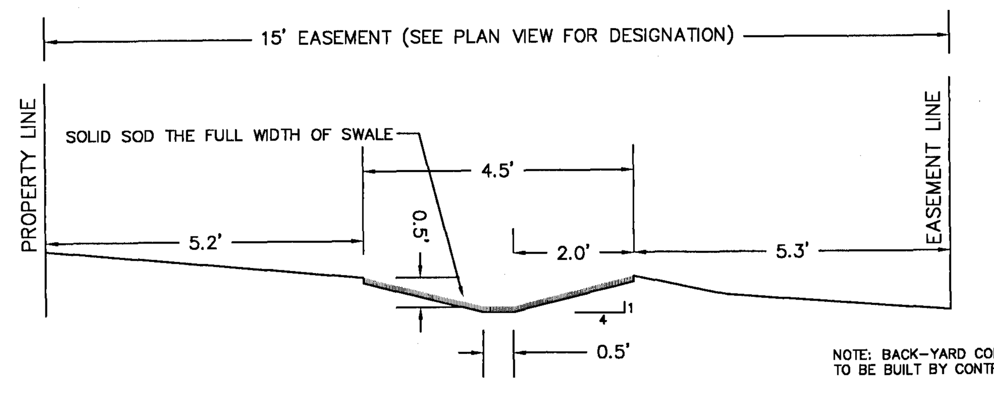
SIGNATURE & SEAL



PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C15 OF C22

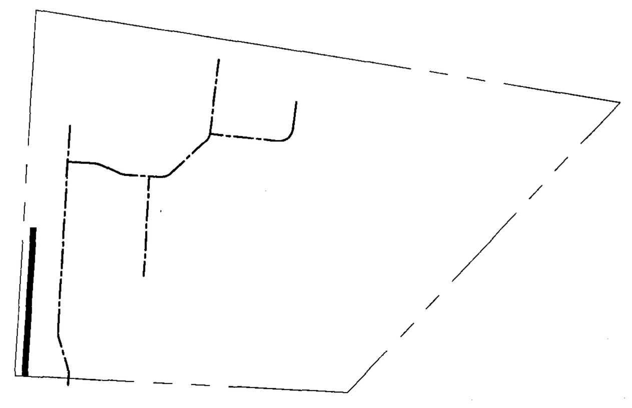
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL



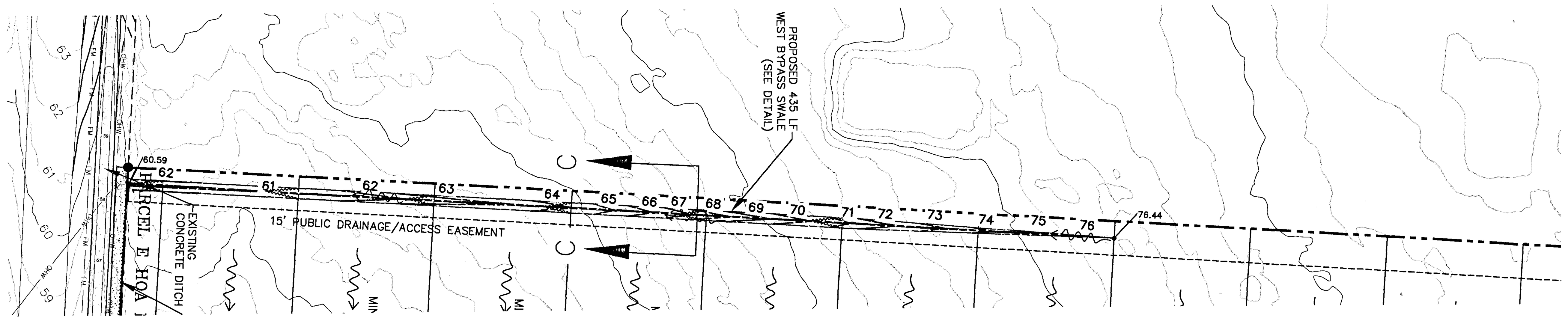


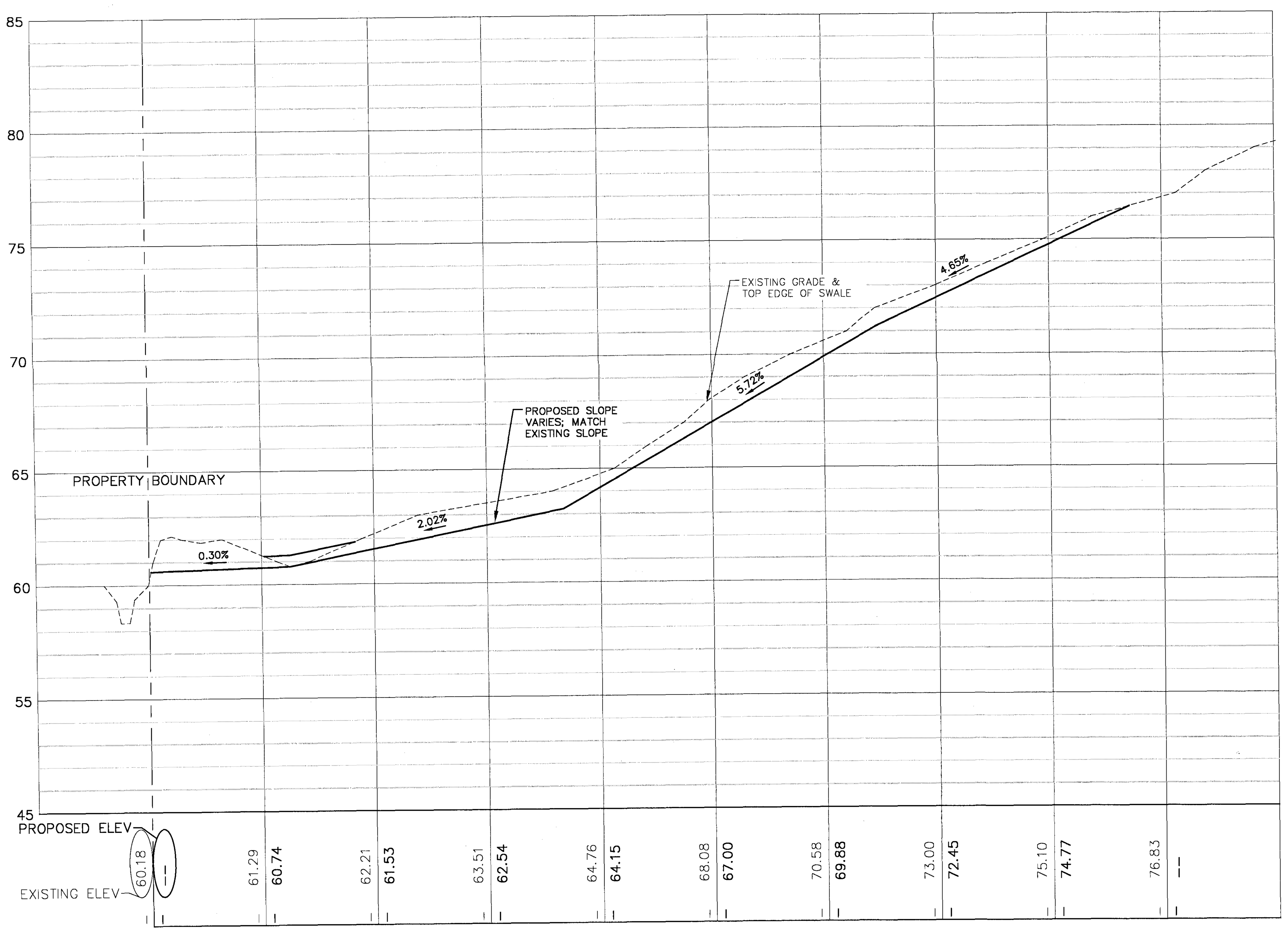
NOTE: BACK-YARD CONVEYANCE SWALES TO BE BUILT BY CONTRACTOR

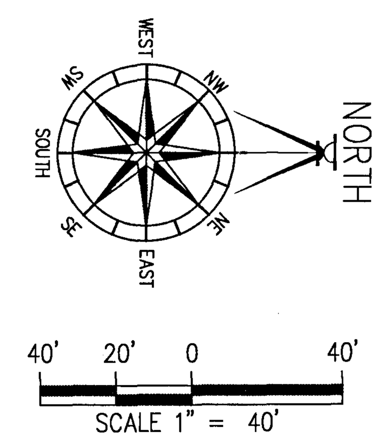
SECTION C-C
WEST BYPASS SWALE DETAIL
NTS

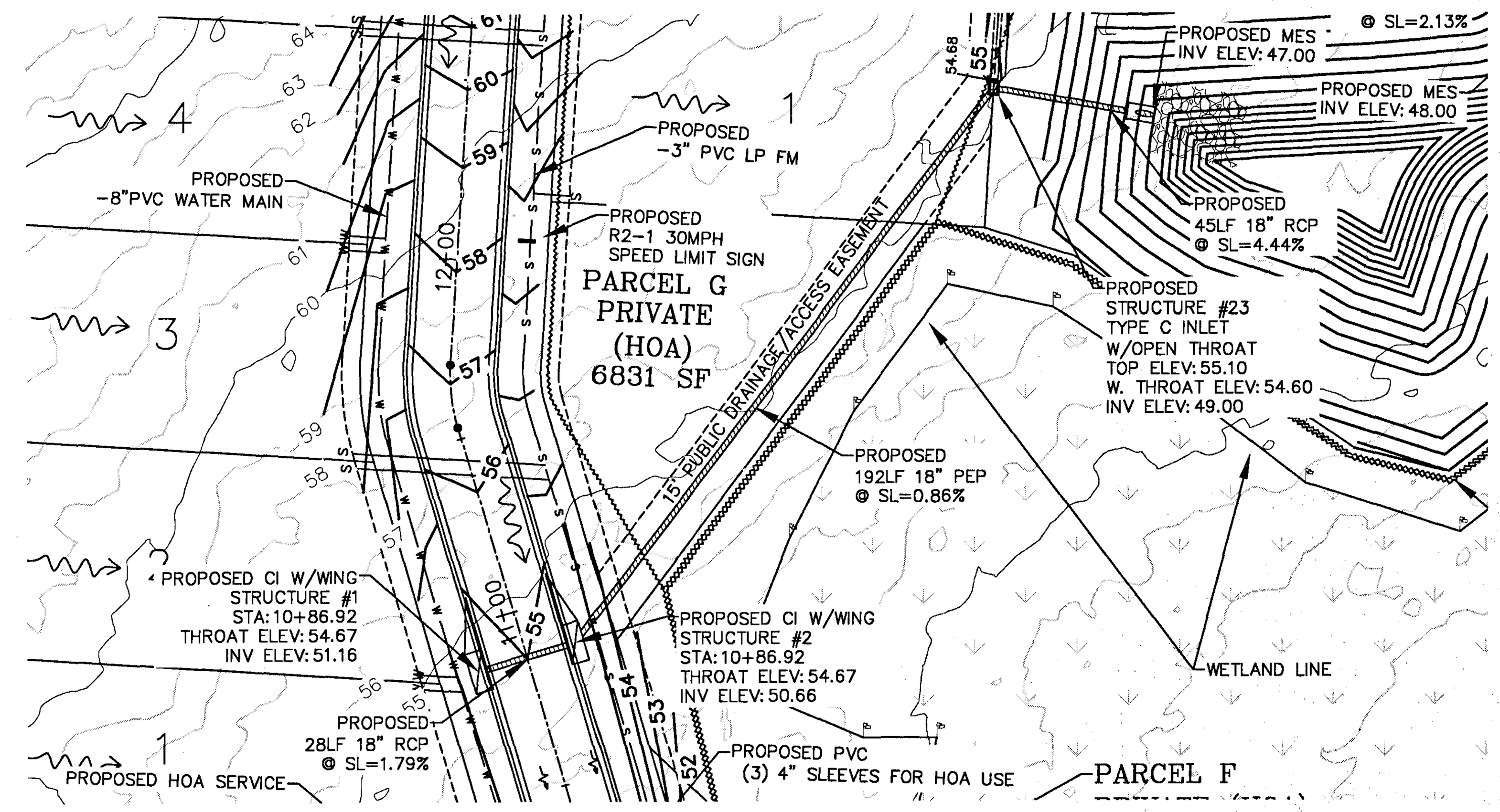


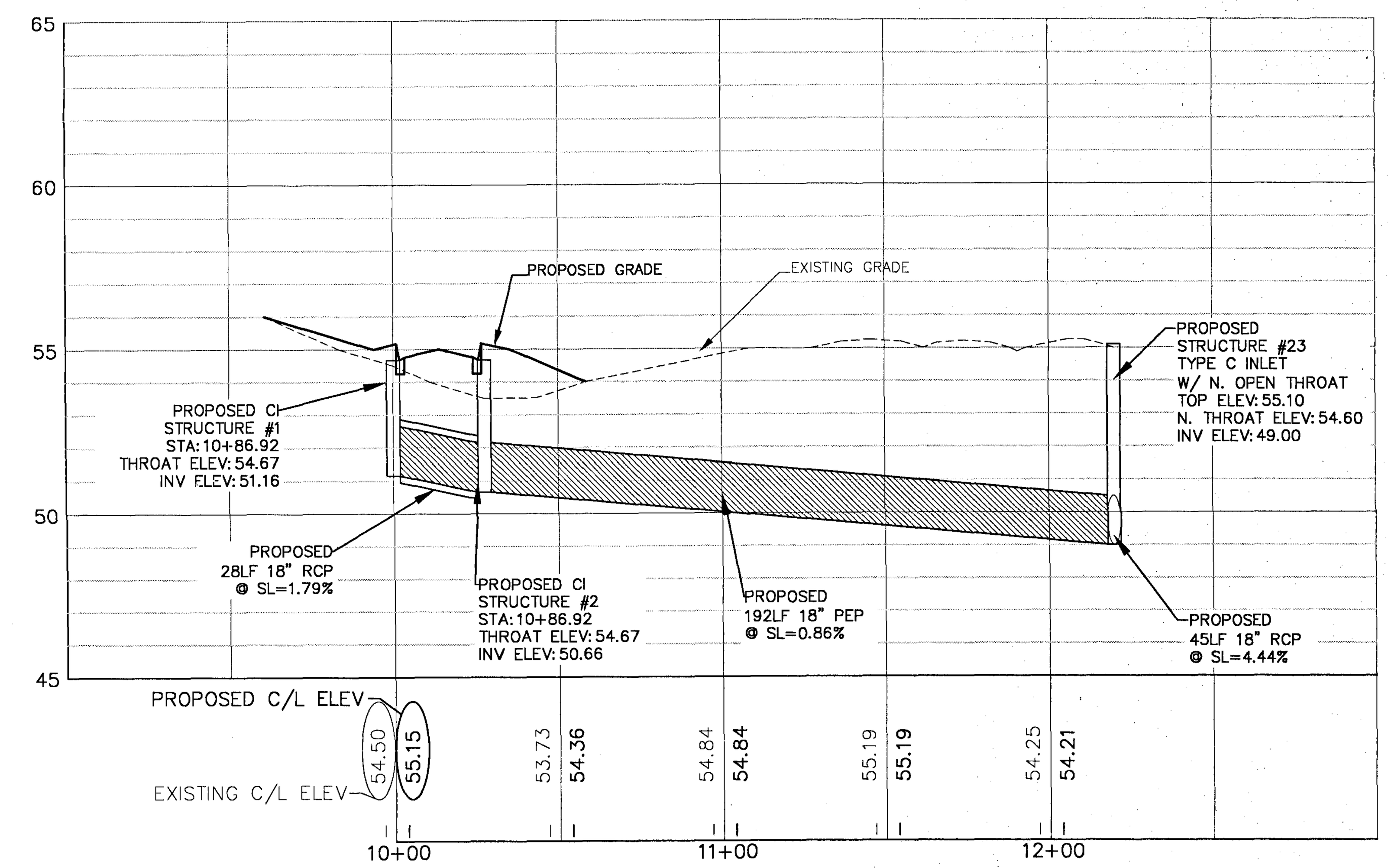
PROFILE LOCATION











FINAL SUBMITTAL

DAVID W. FITZPATRICK
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NAUTICAL LANDING

MISC. PLAN/PROFILE

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DRAWN BY: B. PEMENT
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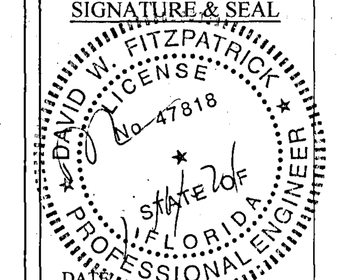

DATE:
PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C16 OF C22

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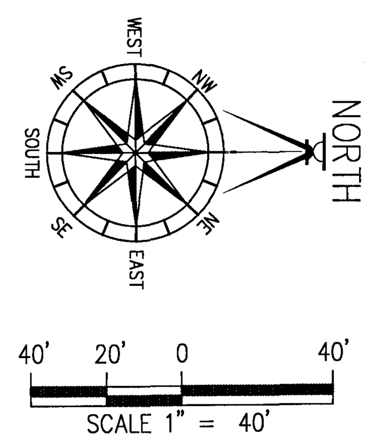
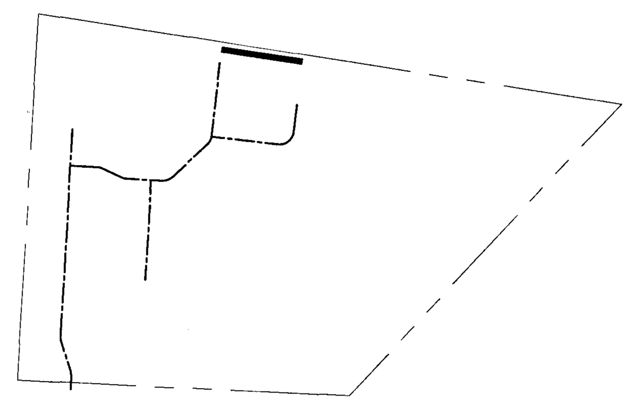
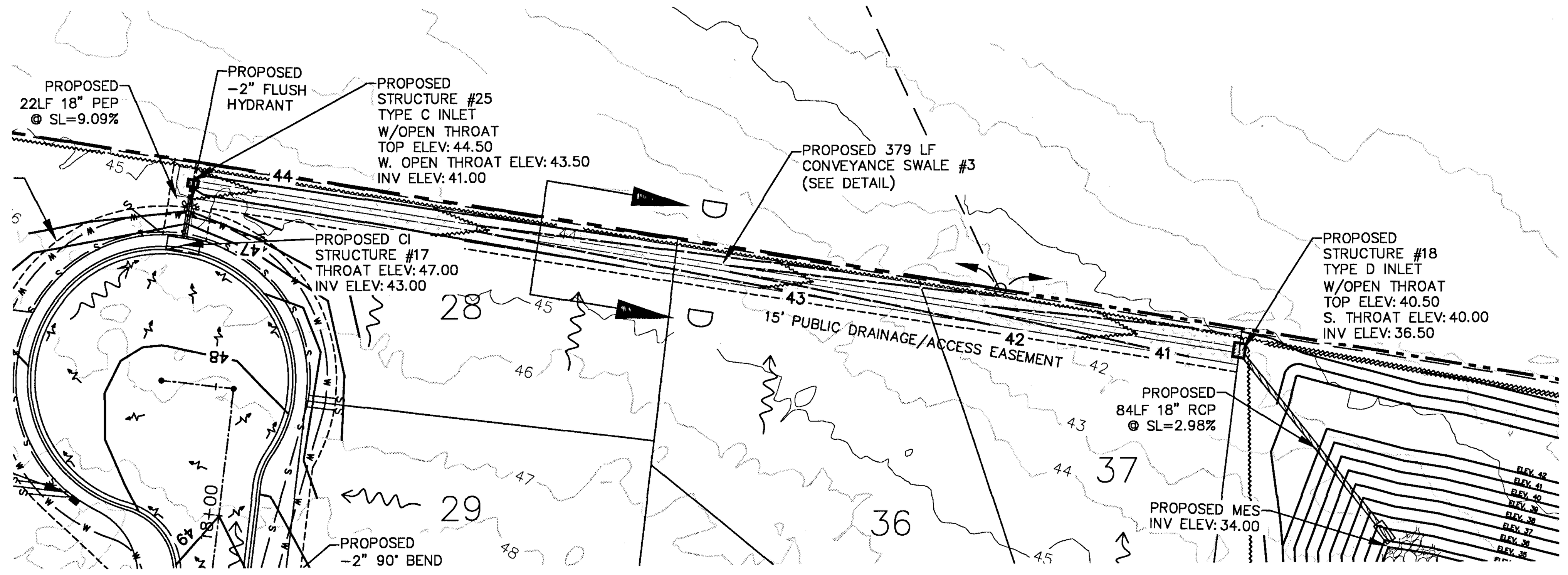
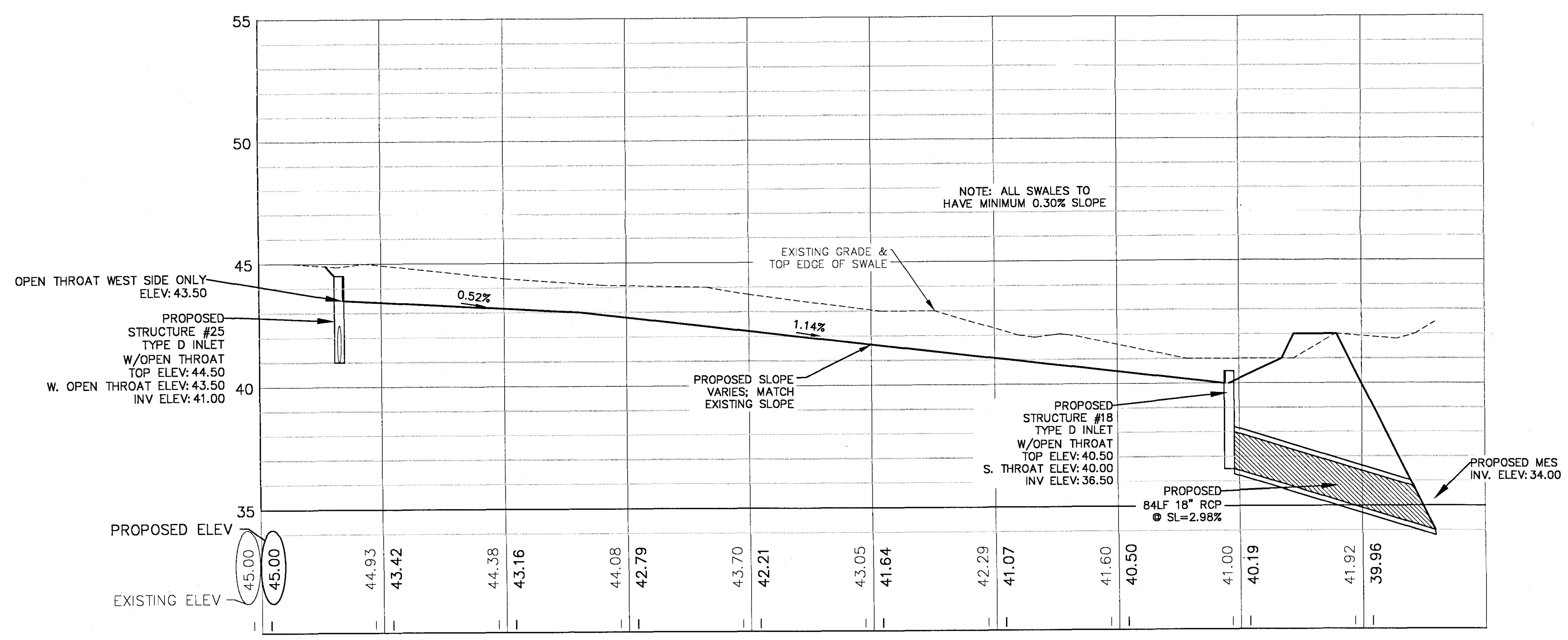
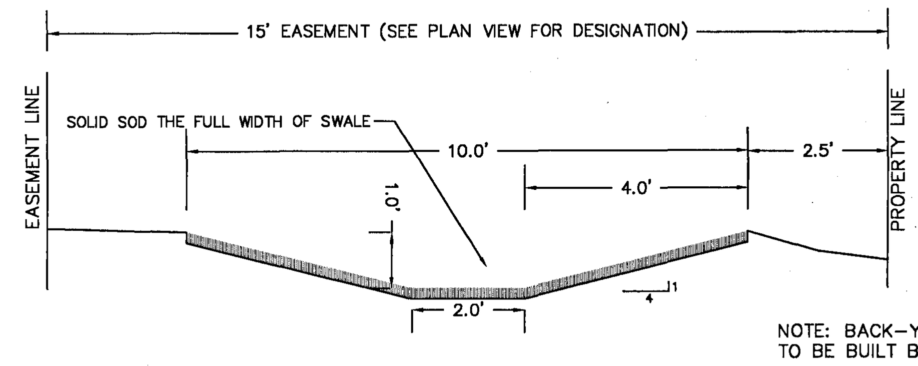




PROFILE LOCATION







NOTE: BACK-YARD CONVEYANCE SWALES TO BE BUILT BY CONTRACTOR

SECTION D-D
CONVEYANCE SWALE #3 DETAIL
NTS

FINAL SUBMITTAL

DAVID W. FITZPATRICK
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NAUTICAL LANDING

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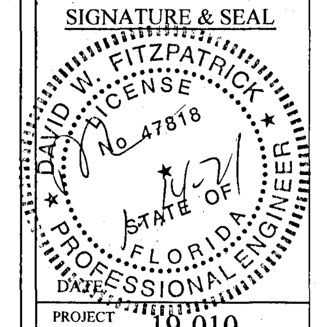
DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL



DATE:
PROJECT NUMBER 19-010
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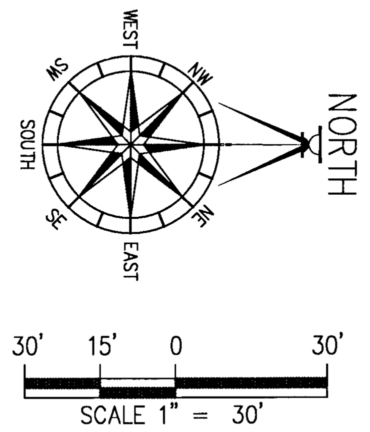
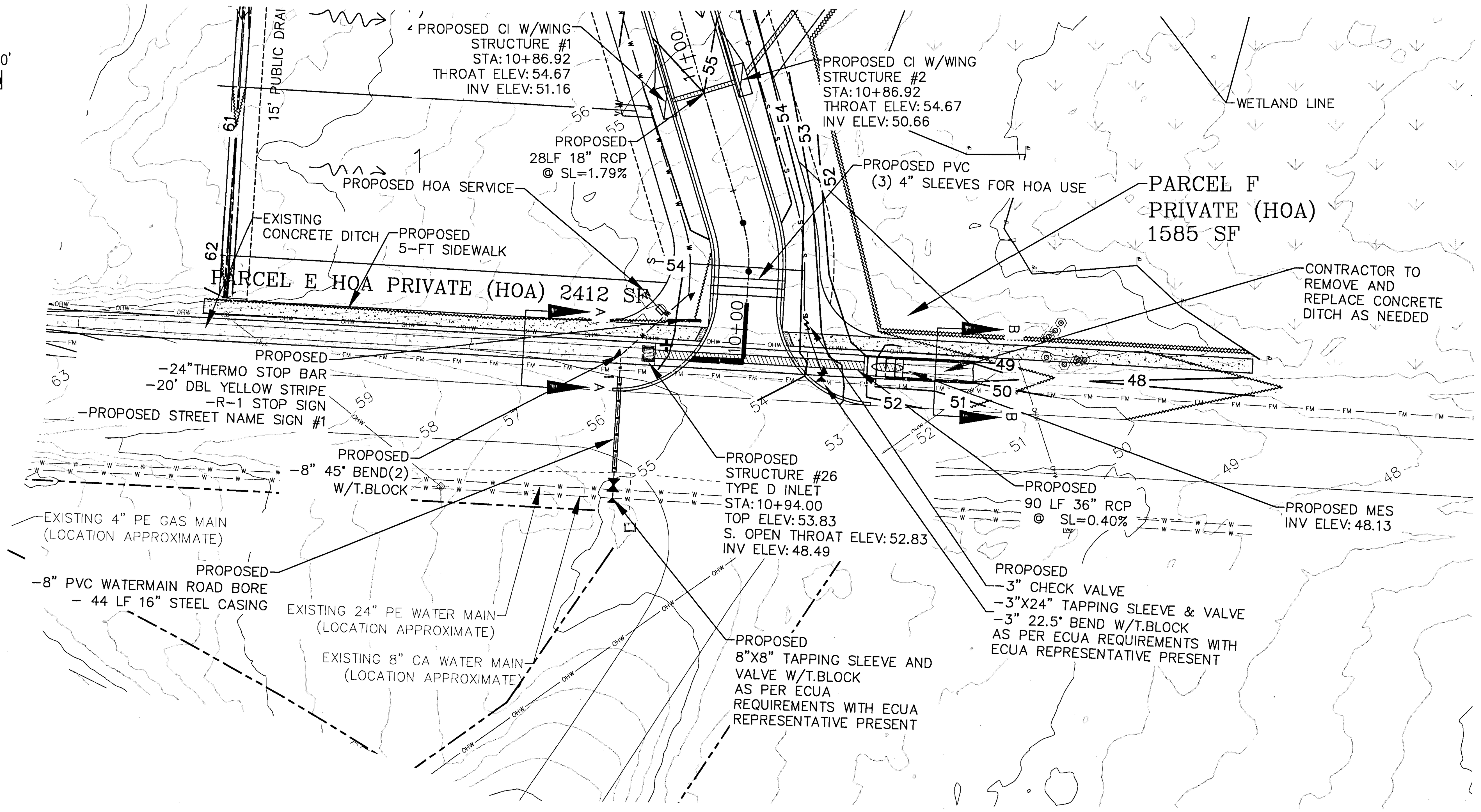
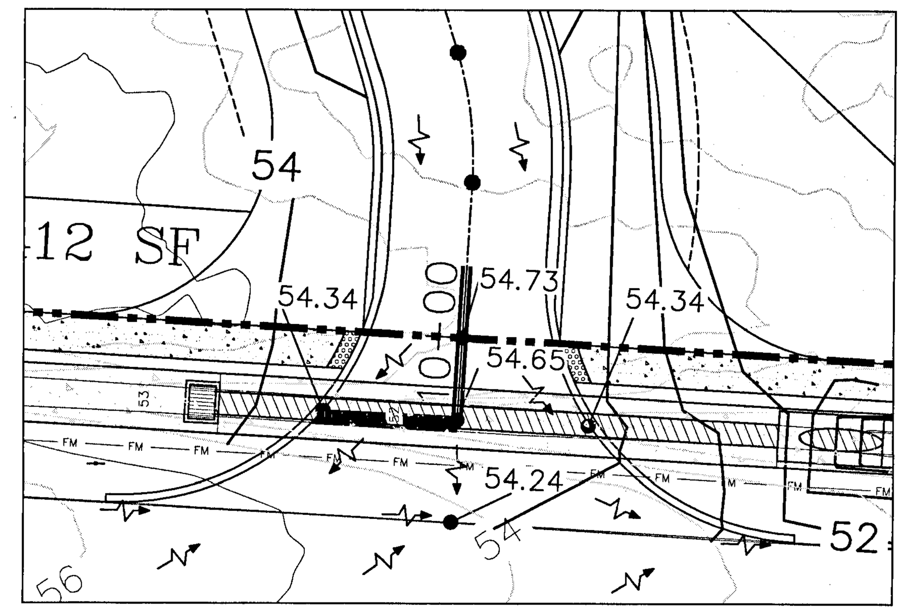
SHEET C17 OF C22

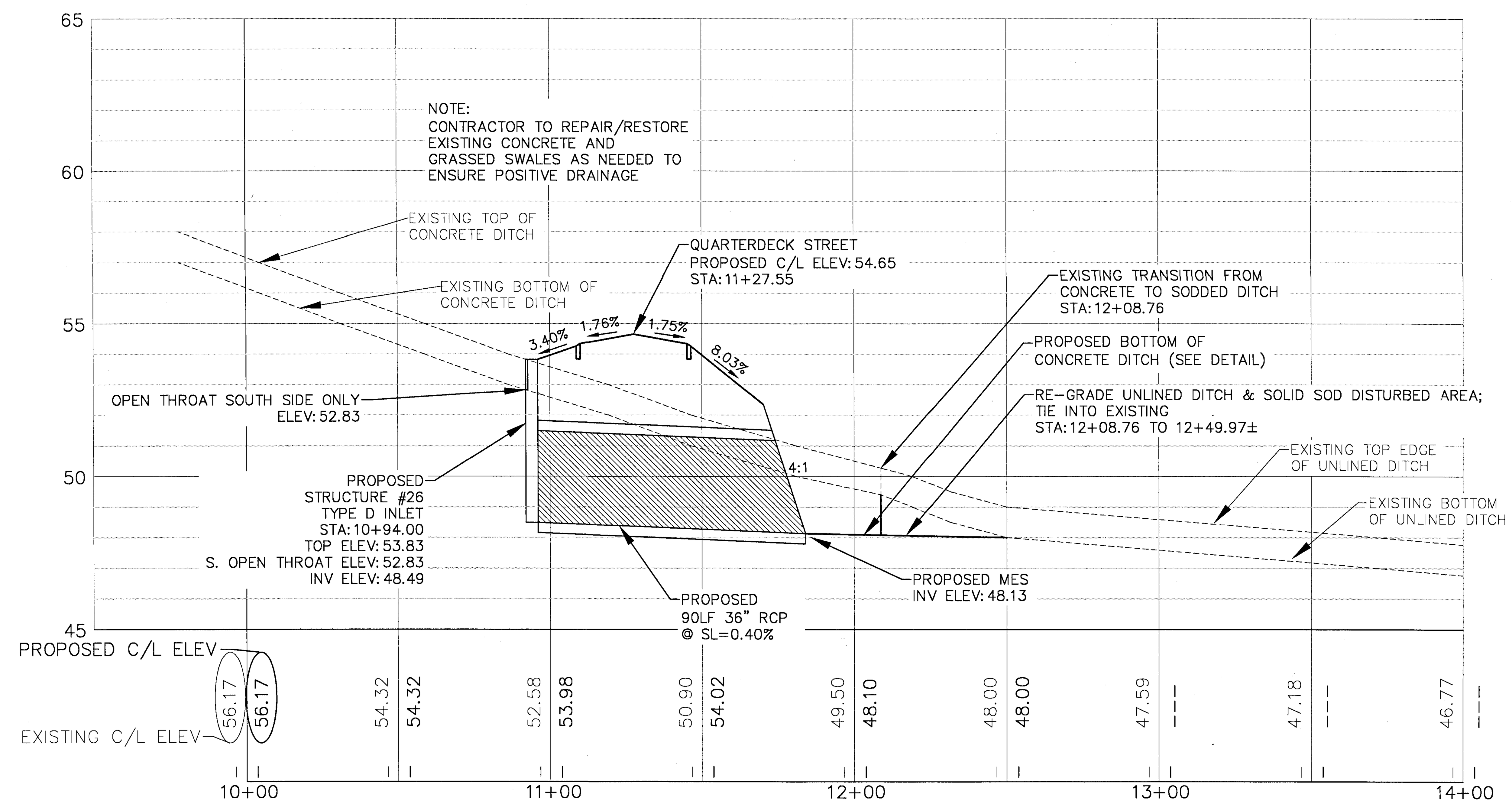
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL



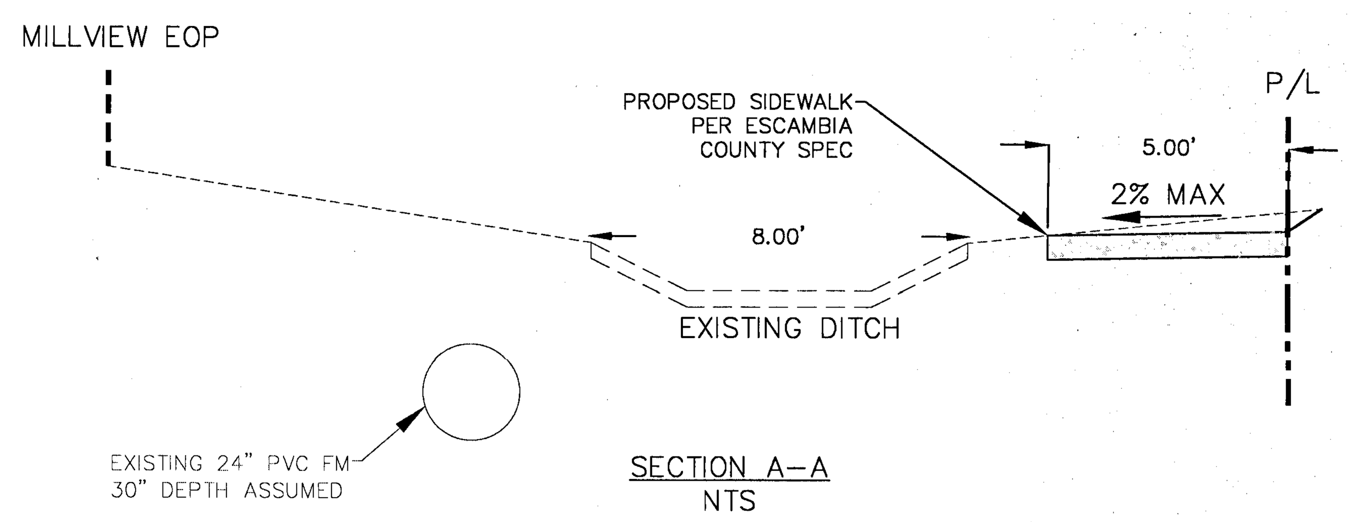




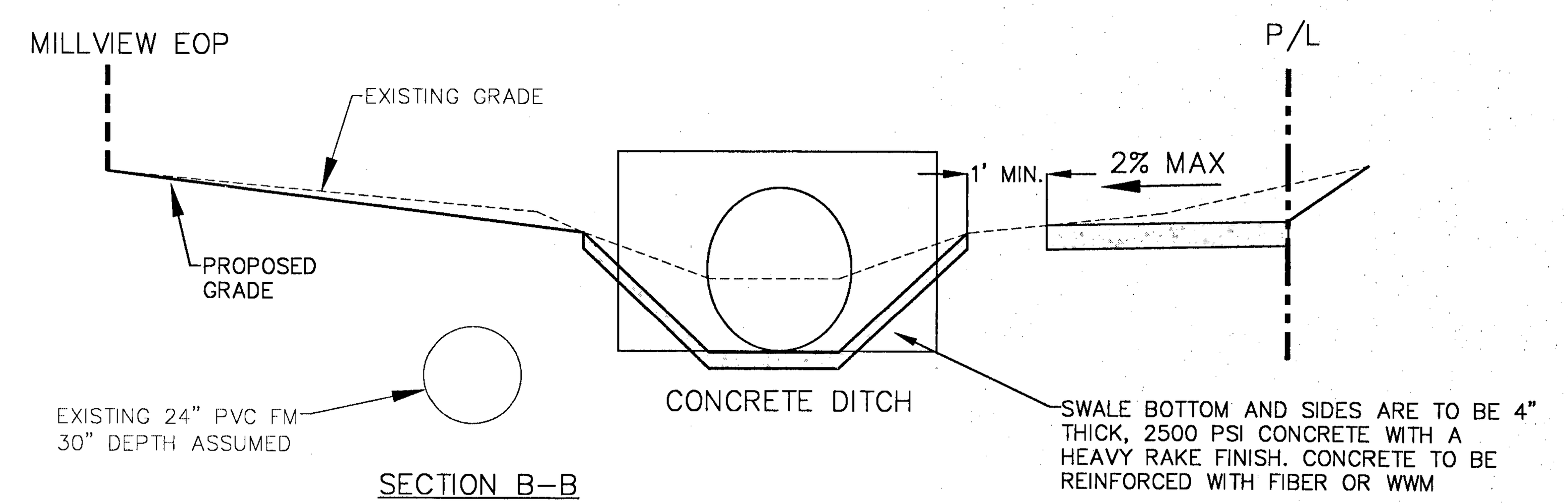
INTERSECTION GRADING
SCALE: 1:20



MILLVIEW NOTE:
RIGHT OF WAY SHOULDER STABILIZATION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION (ALL DISTURBED AREAS TO BE STABILIZED W/ SOLID SOD).



SECTION A-A
NTS



SECTION B-B
NTS

FINAL SUBMITTAL

DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00008423
10250 NORTH PALAFOX STREET
PENSACOLA, FL 32534
PH: (850)476-8577 FAX: (850)476-7708

NAUTICAL LANDING

ENTRANCE DRAINAGE PLAN/PROFILE

NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL

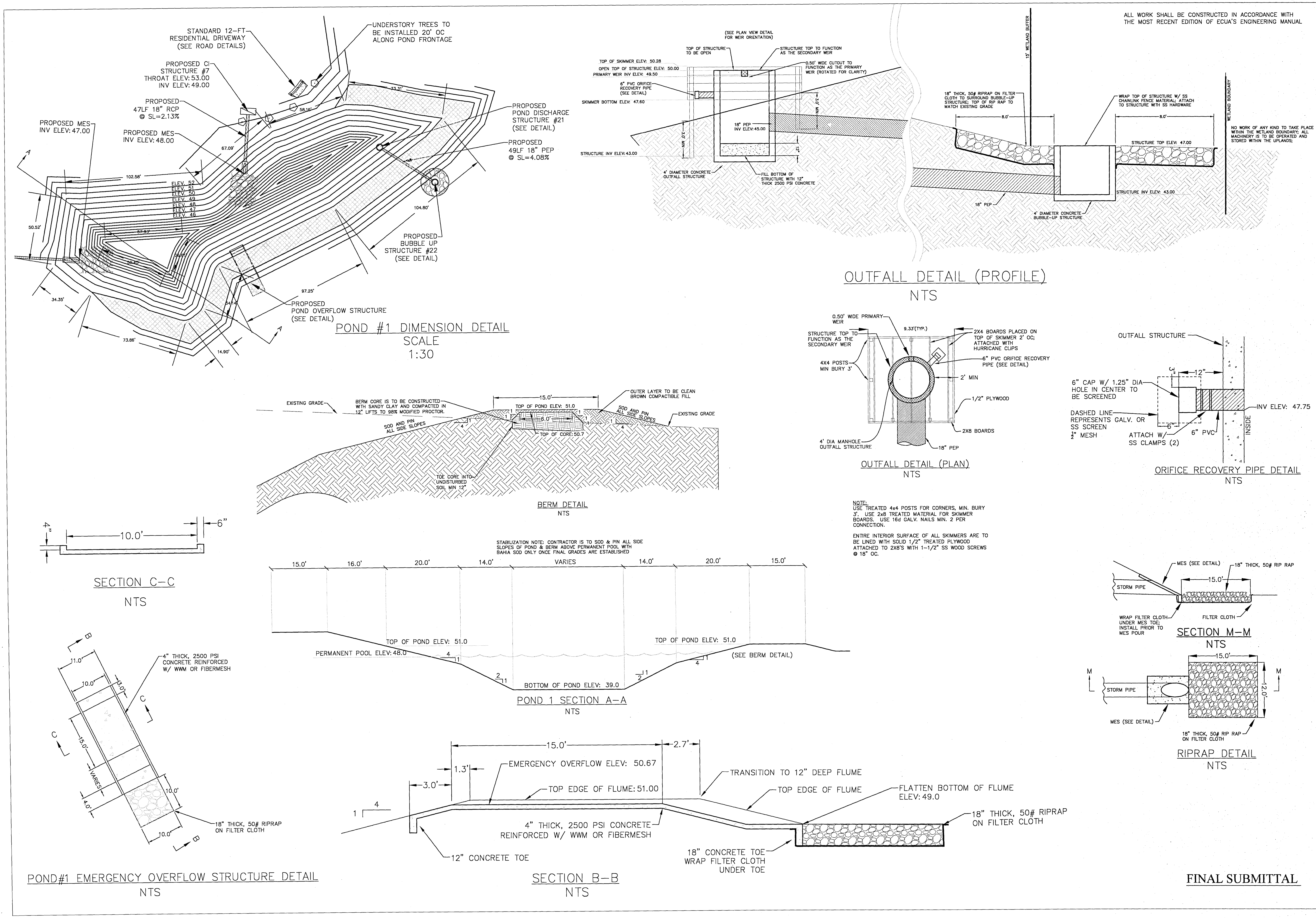
DAVID W. FITZPATRICK LICENSE No 47818 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE

PROJECT NUMBER 19-010

PLOT DATE 01/14/21

SHEET C18 OF C22



FINAL SUBMITTAL

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

NAUTICAL LANDING

POND 1 DETAILS

DATE	REVISION	NUMBER

DRAWN BY: B. PEMENT

DESIGNED BY: D. FITZPATRICK

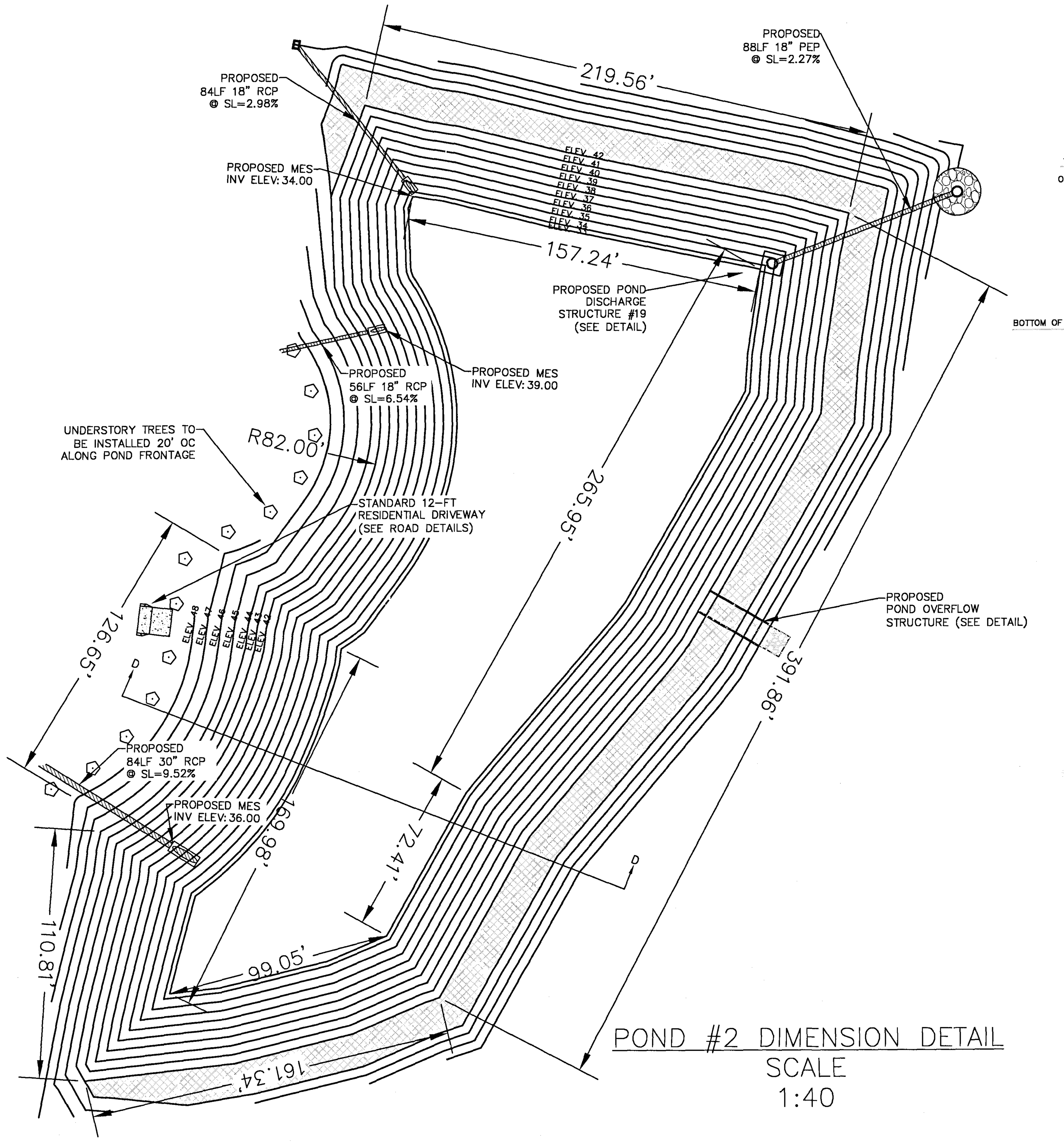
SIGNATURE & SEAL

PROJECT NUMBER 19-010

PLOT DATE 01/14/21

SHEET C19 OF C22

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



POND #2 DIMENSION DETAIL
SCALE
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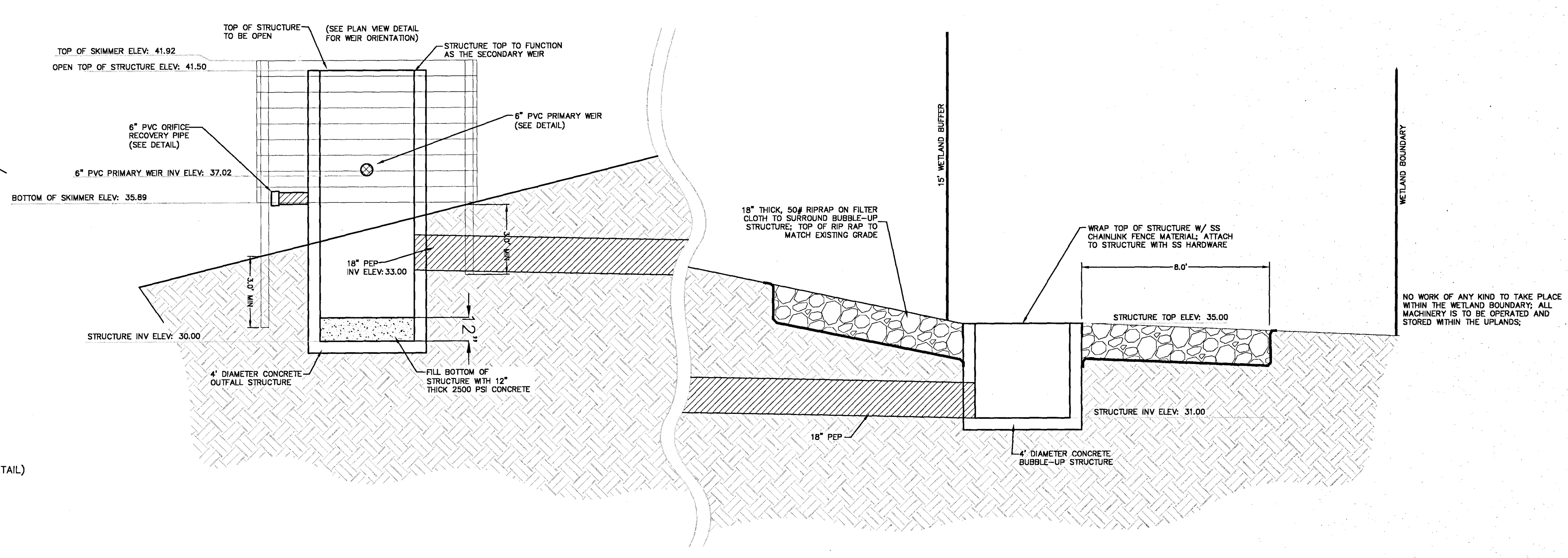
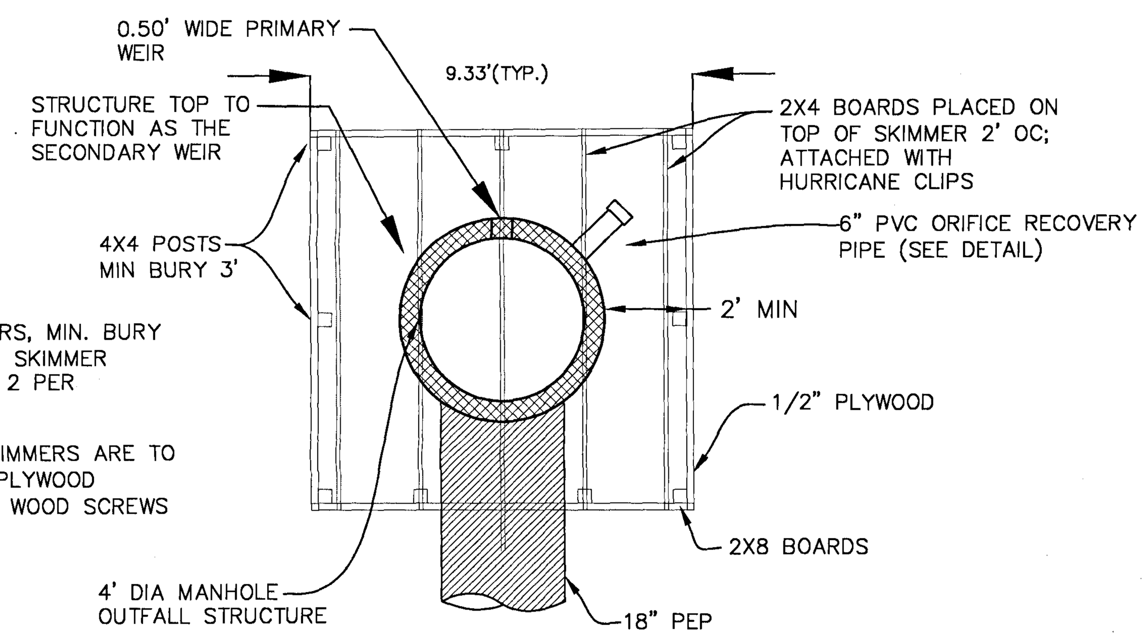


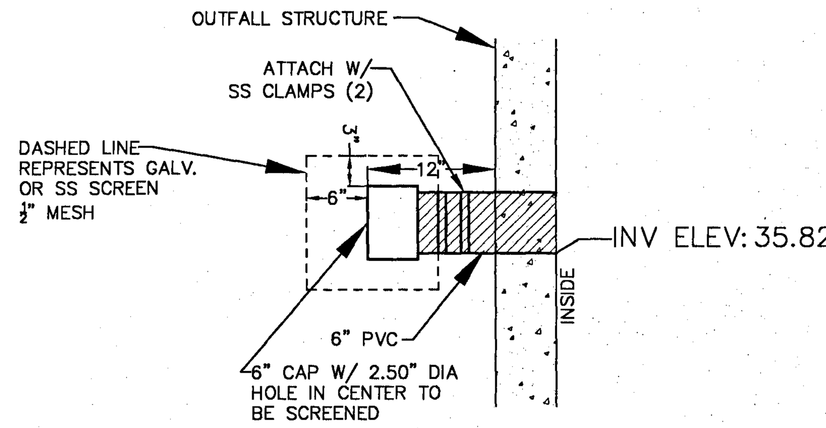
OUTFALL DETAIL (PROFILE)
NTS

NOTE:
USE TREATED 4x4 POSTS FOR CORNERS, MIN. BURY 3'. USE 2x8 TREATED MATERIAL FOR SKIMMER BOARDS. USE 16d GALV. NAILS MIN. 2 PER CONNECTION.

ENTIRE INTERIOR SURFACE OF ALL SKIMMERS ARE TO BE LINED WITH SOLID 1/2" TREATED PLYWOOD ATTACHED TO 2X8'S WITH 1-1/2" SS WOOD SCREWS @ 18" OC.

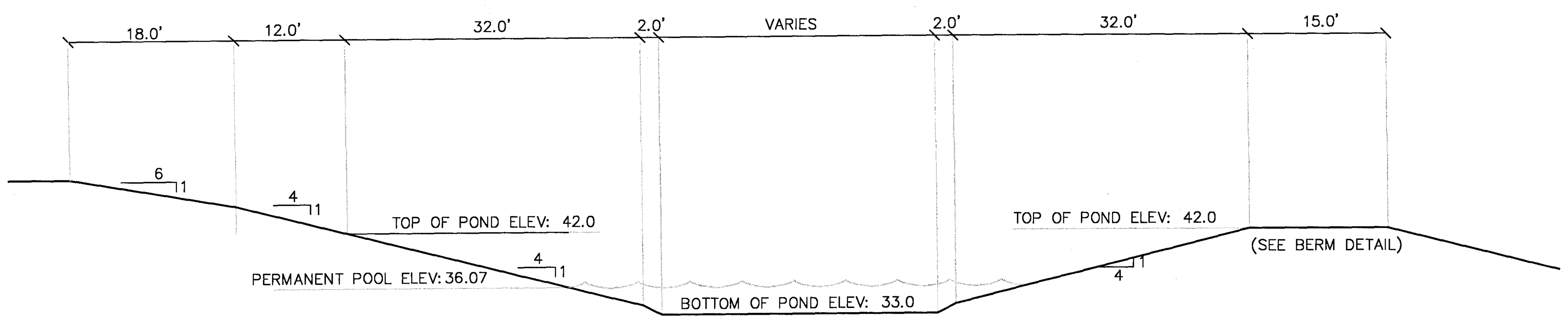


OUTFALL DETAIL (PLAN)
NTS

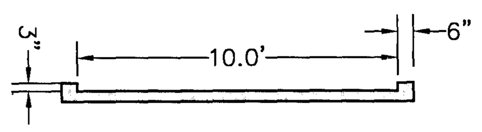


ORIFICE RECOVERY PIPE DETAIL
NTS

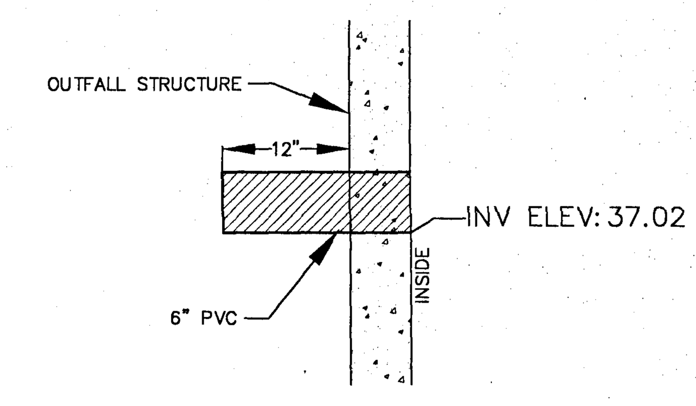
STABILIZATION NOTE: CONTRACTOR IS TO SOD & PIN ALL SIDE SLOPES OF POND & BERM ABOVE PERMANENT POOL WITH BAHIA SOD ONLY ONCE FINAL GRADES ARE ESTABLISHED



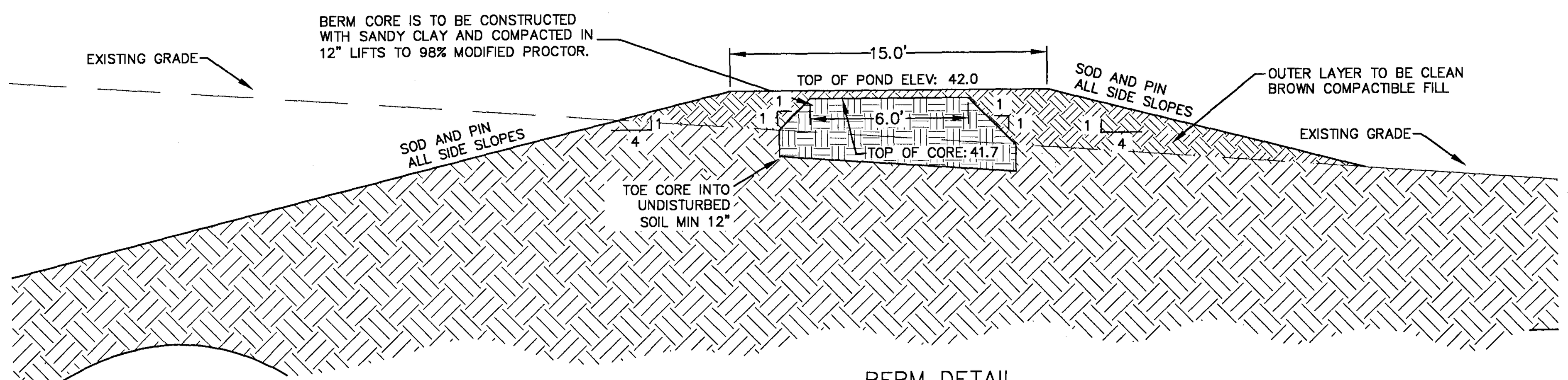
POND 2 SECTION D-D
NTS



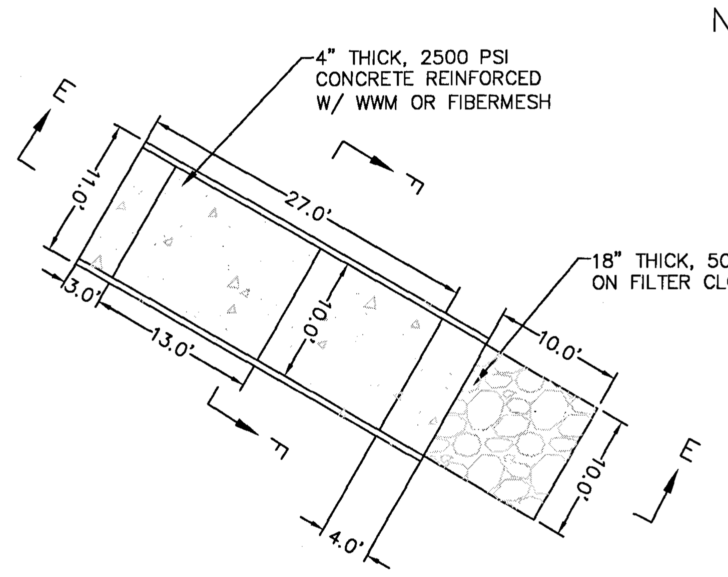
SECTION F-F
NTS



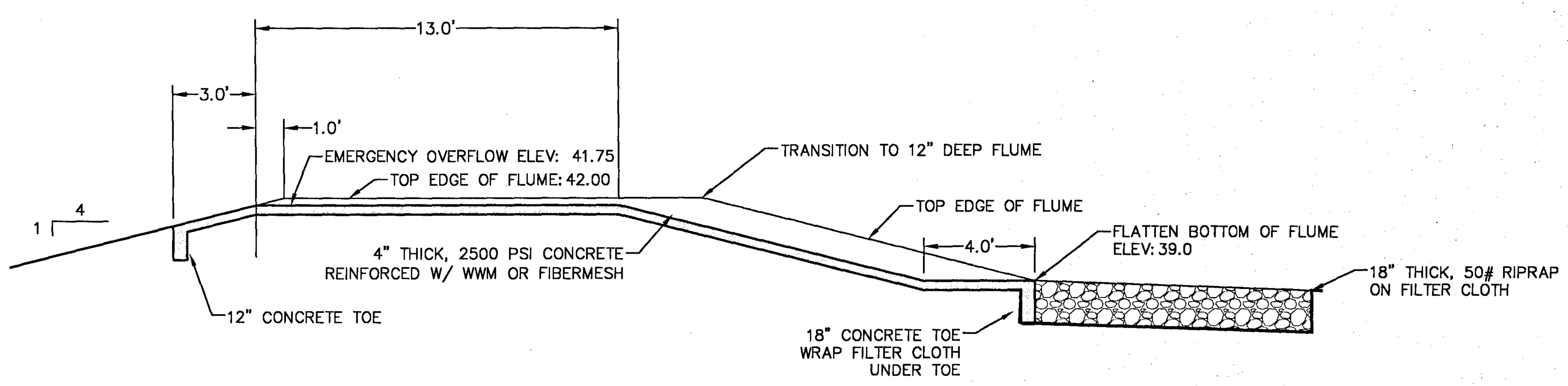
PRIMARY WEIR DETAIL
NTS



BERM DETAIL
NTS



POND#2 EMERGENCY OVERFLOW STRUCTURE DETAIL
NTS



SECTION E-E
NTS

FINAL SUBMITTAL

DAVID W. FITZPATRICK
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BOARD OF PROFESSIONAL REGULATION #00008423
10250 NORTH PALAFOX STREET
PENSACOLA, FL 32534
PH: (850)476-8677 FAX: (850)476-7708

NAUTICAL LANDING

POND 2 DETAILS

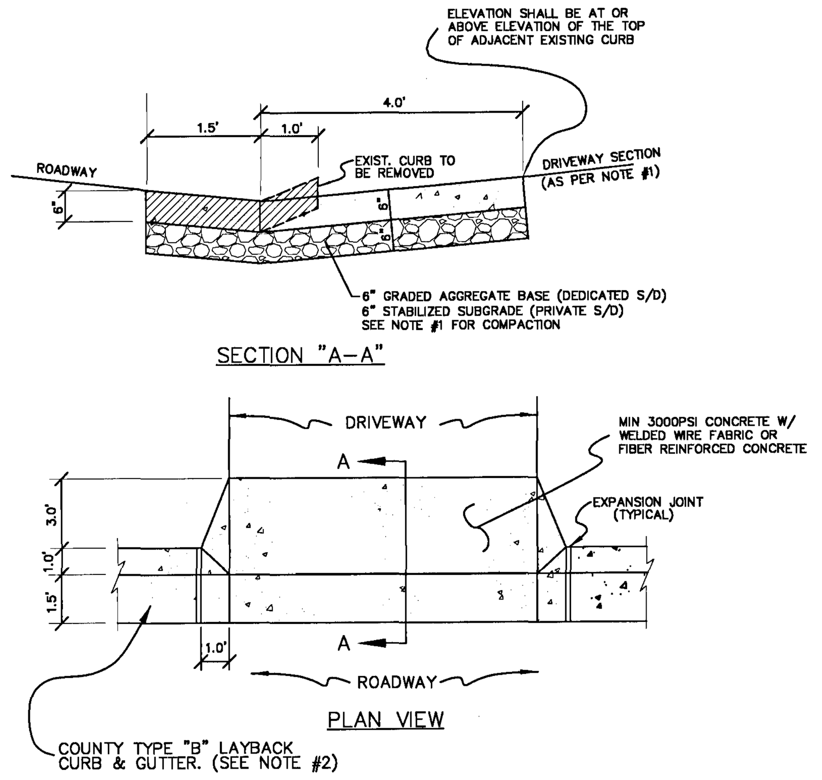
NUMBER	REVISION	DATE

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
SIGNATURE & SEAL
PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C20 OF C22

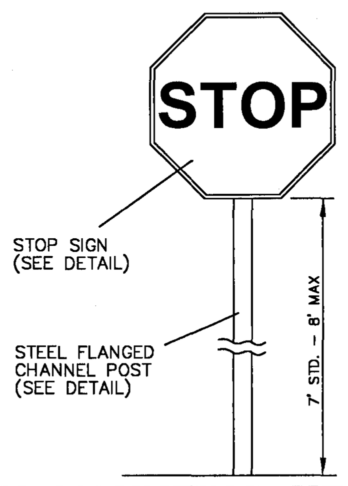
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL

NOTES:

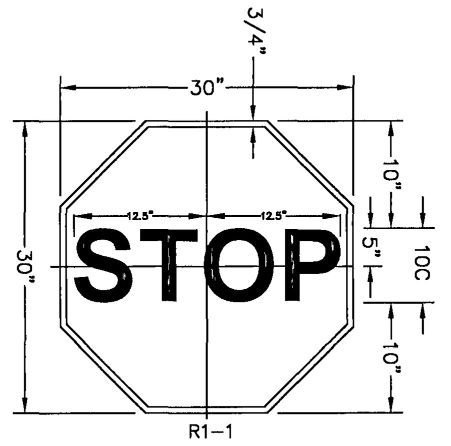
1. DRIVEWAY SECTIONS ABUTTING CURB OR CURB CUT SHALL BE 6" CONCRETE WITH 6" STABILIZED SUBGRADE AND 4" TO 6" CONCRETE DRIVEWAY WITH 4" STABILIZED SUBGRADE ~ 95% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE.
2. FOR OTHER TYPE CURBS, DIMENSIONS MAY BE ADJUSTED TO FIT. IF NECESSARY, REFER TO F.D.O.T. INDEX DETAILS.
3. DRIVEWAYS WITHIN PROPERTY BOUNDARY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
4. TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM.



POND ACCESS DRIVEWAY CONNECTION
NTS

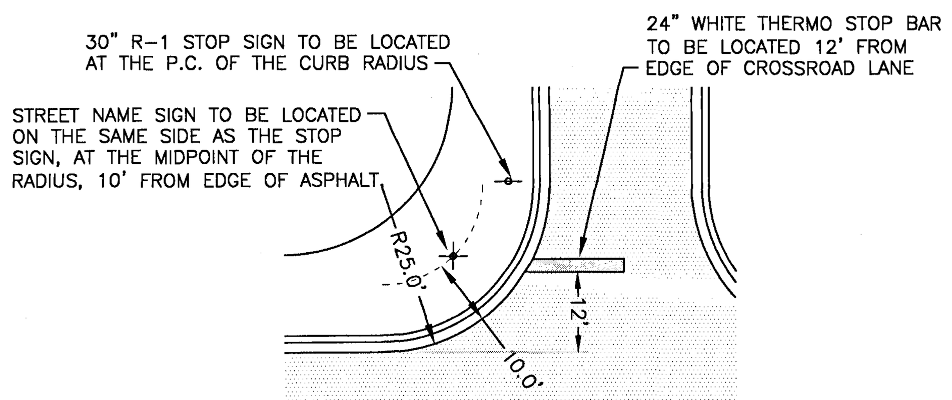


SIGN MOUNTING HEIGHT DETAIL
N.T.S.



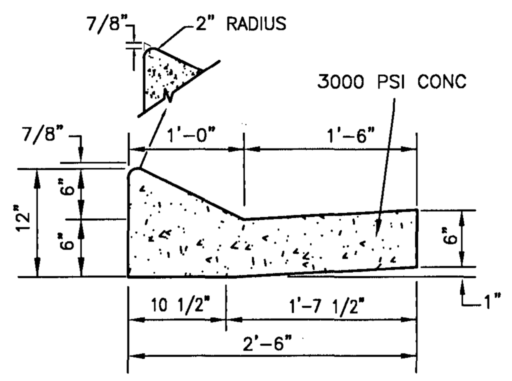
COLORS
LEGEND – WHITE (REFL)
BACKGROUND – RED (REFL)

STOP SIGN DETAIL
N.T.S.

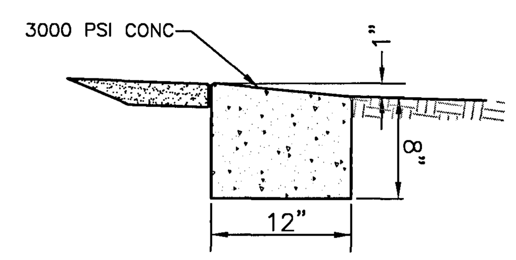


INTERSECTION DETAIL
N.T.S.

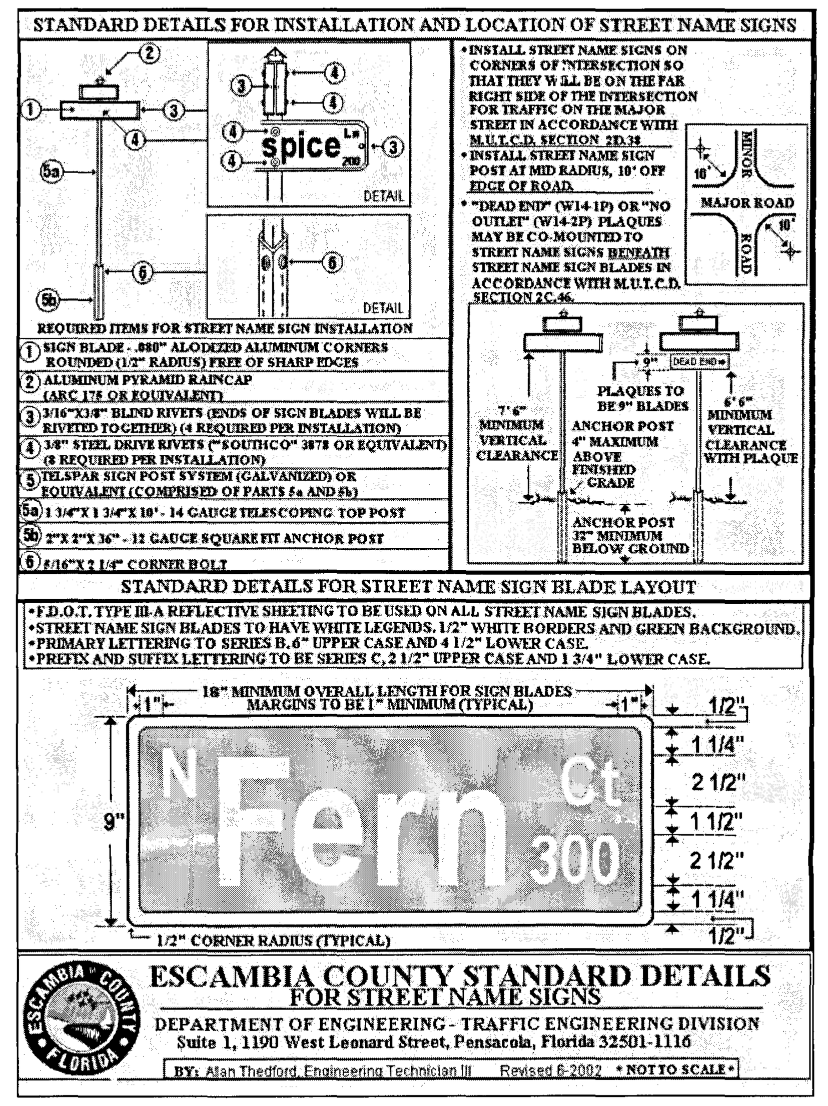
CURB JOINT NOTE:
CONTRACTION JOINTS SHALL BE CONSTRUCTED EVERY TEN (10) FEET BUT NO SECTION SHALL BE LESS THAN FOUR (4) FEET LONG. STEEL TEMPLATES SHALL BE USED FOR THESE JOINTS AND WITHDRAWN AFTER THE INITIAL SET. AT INTERVALS NOT TO EXCEED FIFTY (50) FEET AND AT ALL STRUCTURES AND INLETS AND AT ALL RADIUS POINTS, A ONE-HALF (½) 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 CURB.



LAYBACK CURB & GUTTER
NTS



RIBBON CURB
NTS



STANDARD DETAILS FOR INSTALLATION AND LOCATION OF STREET NAME SIGNS

REQUIRED ITEMS FOR STREET NAME SIGN INSTALLATION

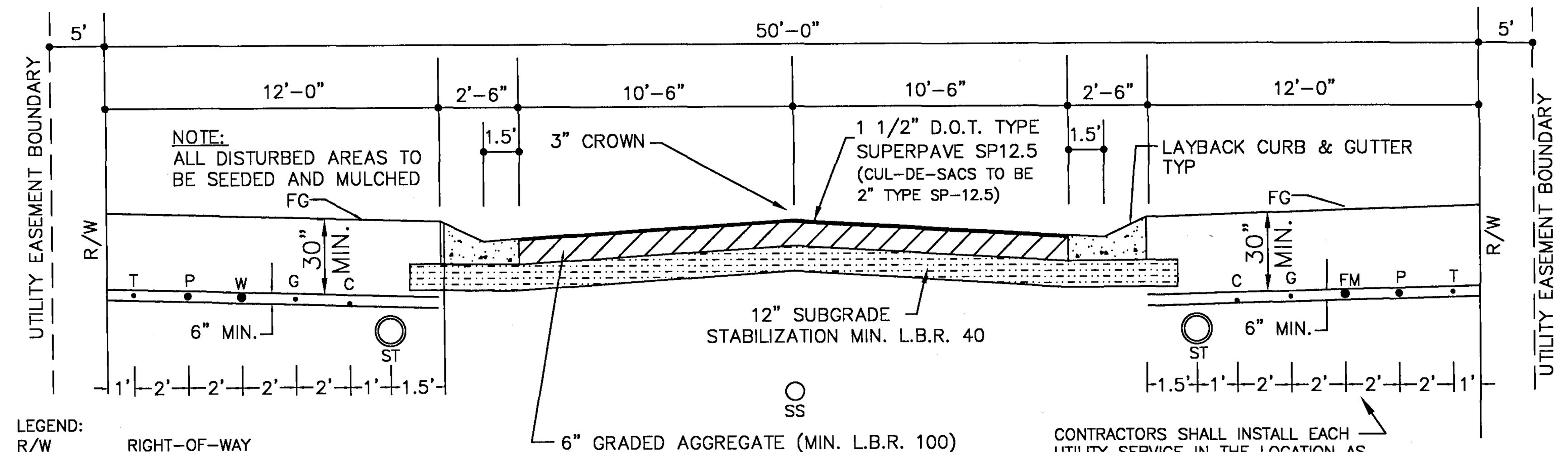
1	SIGN BLADE - .080" ALODIZED ALUMINUM CORNERS ROUNDED (1/2" RADIUS) FREE OF SHARP EDGES
2	ALUMINUM PYRAMID RAINCAP (ARC 175 OR EQUIVALENT)
3	3/16"X3/8" BLIND RIVETS (ENDS OF SIGN BLADES WILL BE RIVETED TOGETHER) (4 REQUIRED PER INSTALLATION)
4	3/8" STEEL DRIVE RIVETS ("SOUTHCO" 3878 OR EQUIVALENT) (8 REQUIRED PER INSTALLATION)
5	TELSPAR SIGN POST SYSTEM (GALVANIZED) OR EQUIVALENT (COMPRISED OF PARTS 5a AND 5b)
5a	1 3/4"X 1 3/4"X 10' - 14 GAUGE TELESCOPING TOP POST
5b	2"X 2"X 36" - 12 GAUGE SQUARE FIT ANCHOR POST
6	5/16"X 2 1/4" CORNER BOLT

- INSTALL STREET NAME SIGNS ON CORNERS OF INTERSECTION SO THAT THEY WILL BE ON THE FAR RIGHT SIDE OF THE INTERSECTION FOR TRAFFIC ON THE MAJOR STREET IN ACCORDANCE WITH M.U.T.C.D. SECTION 2D.38
- INSTALL STREET NAME SIGN POST AT MID RADIUS, 10' OFF EDGE OF ROAD.
- "DEAD END" (W14-1P) OR "NO OUTLET" (W14-2P) PLAQUES MAY BE CO-MOUNTED TO STREET NAME SIGNS BENEATH STREET NAME SIGN BLADES IN ACCORDANCE WITH M.U.T.C.D. SECTION 2C.46.

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" WHITE BORDERS AND GREEN BACKGROUND.
- PRIMARY LETTERING TO SERIES B. 6" UPPER CASE AND 4 1/2" LOWER CASE.
- PREFIX AND SUFFIX LETTERING TO BE SERIES C, 2 1/2" UPPER CASE AND 1 3/4" LOWER CASE.

ESCAMBIA COUNTY STANDARD DETAILS FOR STREET NAME SIGNS
DEPARTMENT OF ENGINEERING - TRAFFIC ENGINEERING DIVISION
Suite 1, 1190 West Leonard Street, Pensacola, Florida 32501-1116
BY: Alan Thedford, Engineering Technician III Revised 6-2002 * NOT TO SCALE *



LEGEND:

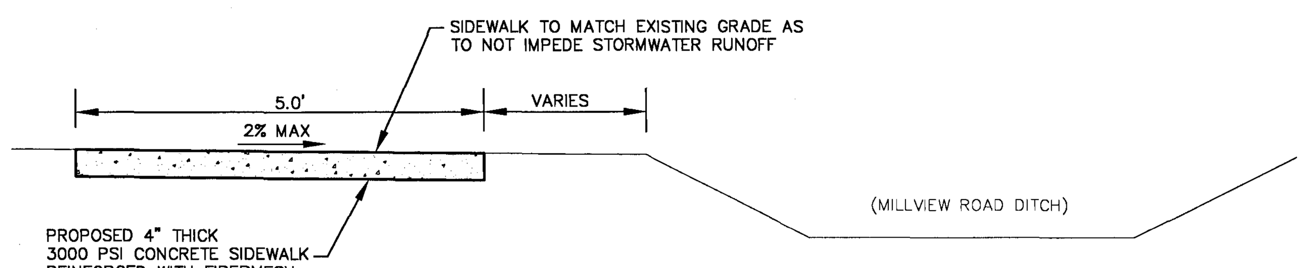
R/W	RIGHT-OF-WAY
FG	FINISHED GRADE
CL	CENTERLINE
W	WATER
SS	SANITARY SEWER
FM	FORCE MAIN
G	GAS MAIN
ST	STORM SEWER
P	UNDERGROUND POWER
T	UNDERGROUND TELEPHONE CABLE
C	UNDERGROUND TELEVISION CABLE

NOTE: ALL UTILITIES WITHIN THE RIGHT OF WAY SHALL HAVE A MIN. COVER OF 30 INCHES FROM FINISHED GRADE.

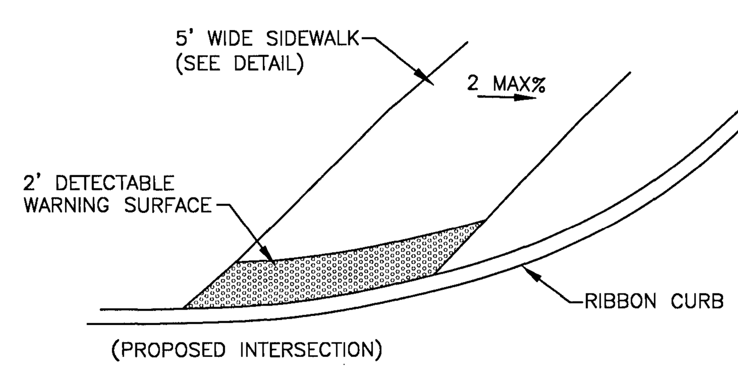
PAVEMENT SECTION NOTES:
1. WATER SHALL BE A MIN. OF 30" BELOW GRADE.
2. ALL UNSUITABLE MATERIALS BENEATH THE ROAD REQUIRE EXCAVATION AND BACKFILL WITH READILY COMPACTABLE SOILS IN 8" LIFTS AND STABILIZED TO A MINIMUM SOIL DENSITY OF 98% OF THE MODIFIED PROCTOR TEST (ASTM D1557);
3. 6" BASE REQUIRES A MINIMUM SOIL DENSITY OF 98% OF THE MODIFIED PROCTOR TEST (ASTM D 1557).
4. 12" SUBGRADE REQUIRES A MINIMUM SOIL DENSITY OF 98% OF THE MODIFIED PROCTOR TEST (ASTM D 1557)
5. CRUSHED LIMEROCK 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:
1. 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 UTLITY. SOME UTILITIES MAY ONLY BE ON ONE SIDE OF THE ROAD (I.E. WATER & FORCE MAIN).
2. 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.

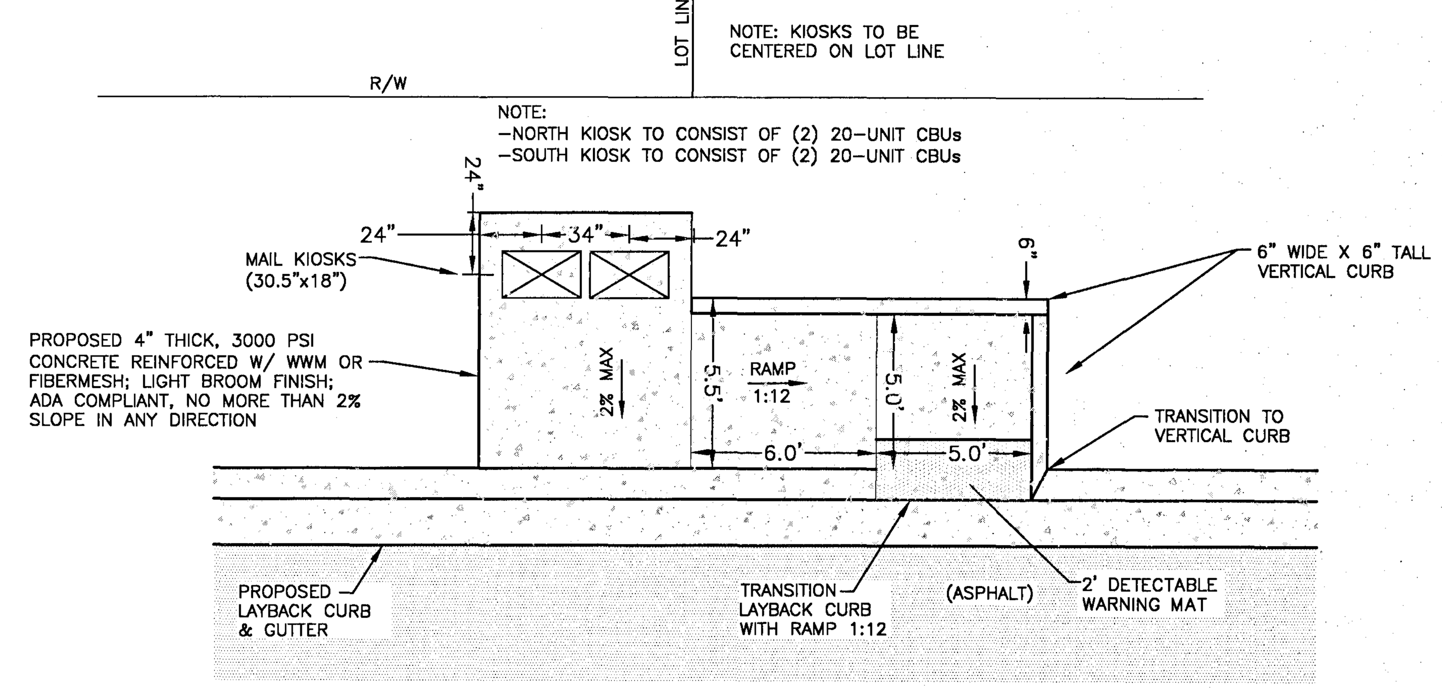
COMMON TRENCH DETAIL/ROAD CROSS SECTION
NOT TO SCALE



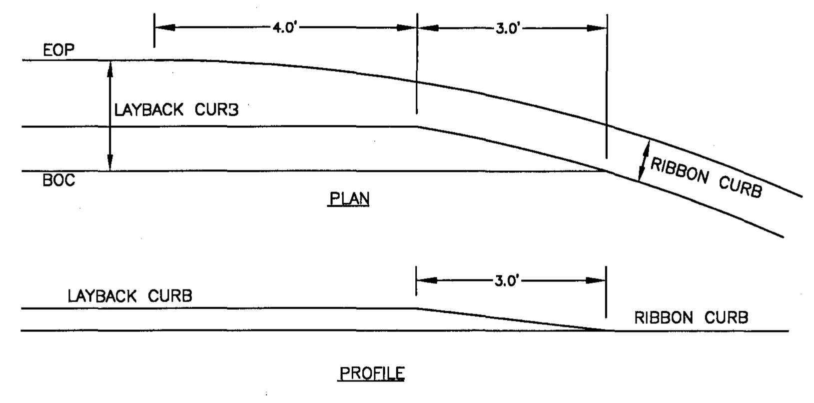
SIDEWALK DETAIL
NTS



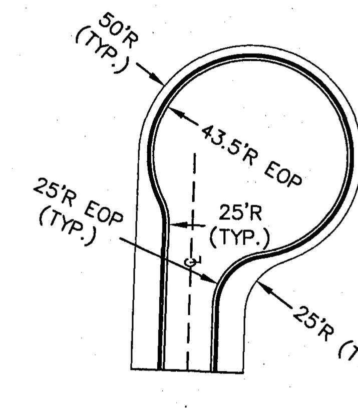
CURB RAMP DETAIL
NTS



MAIL KIOSK DETAIL
N.T.S.

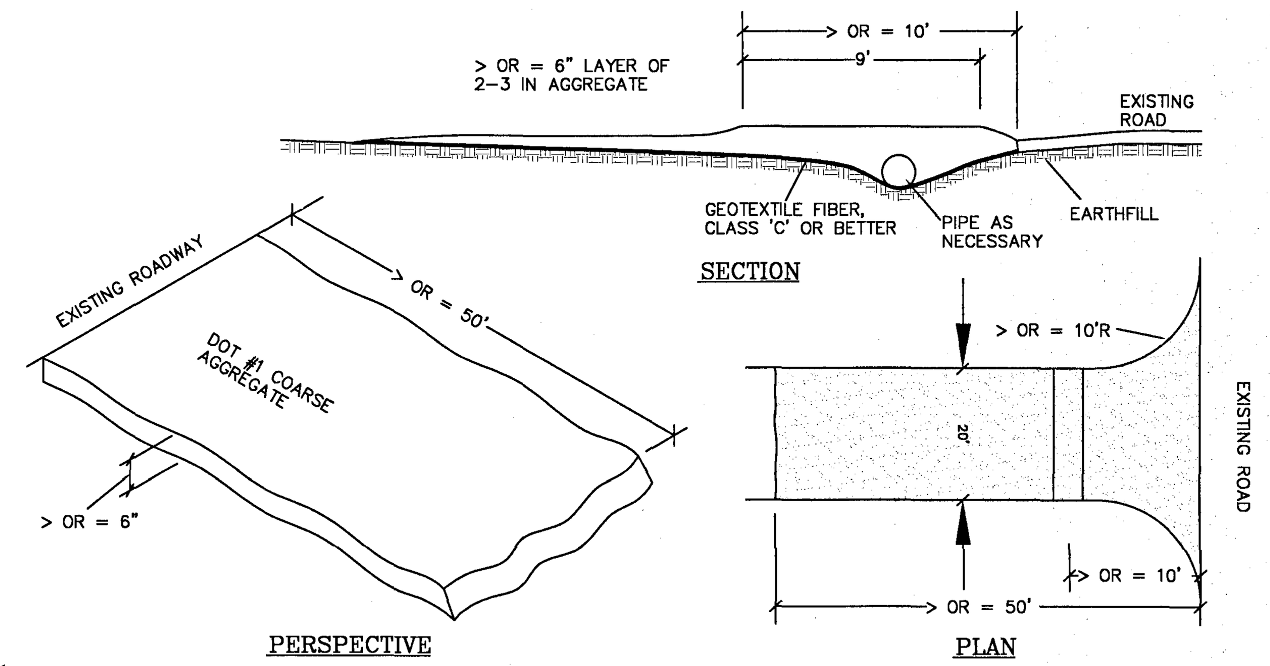


CURB TRANSITION DETAIL
NTS



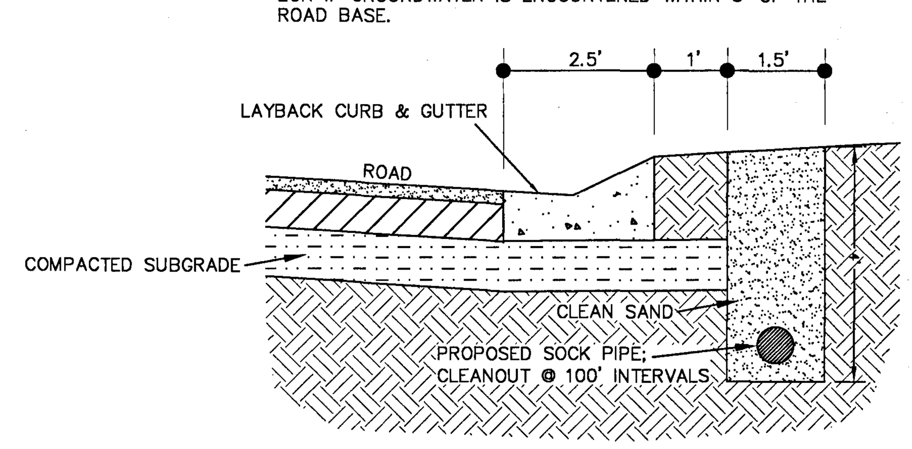
NOTE:
1. MAXIMUM SLOPE 10%, MINIMUM SLOPE @ GUTTER LINE 0.3%.
2. PAVEMENT IN CUL-DE-SAC IS TO BE 2" TYPE S-1 ASPHALT

CUL-DE-SAC DETAIL
NTS



CONSTRUCTION ENTRANCE/EXIT PLAN VIEW
NTS

UNDERDRAIN IS TO BE INSTALLED AS NEEDED THROUGHOUT THE SUBDIVISION. CONTRACTOR TO CONTACT EOR IF GROUNDWATER IS ENCOUNTERED WITHIN 3' OF THE ROAD BASE.



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

ROADSIDE UNDERDRAIN DETAIL

FINAL SUBMITTAL

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

NAUTICAL LANDING

ROAD DETAILS

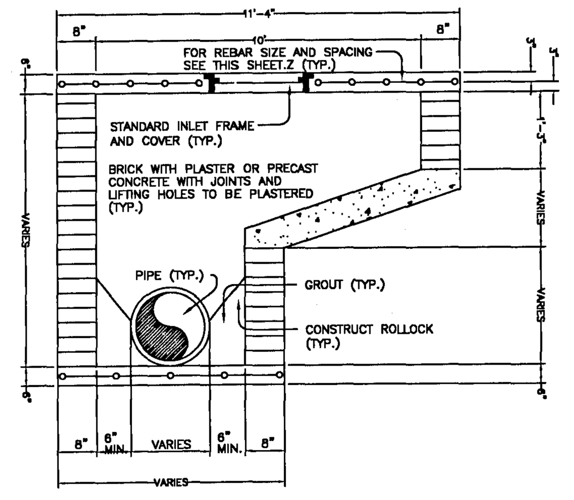
DATE	REVISION	NUMBER

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK
SIGNATURE & SEAL

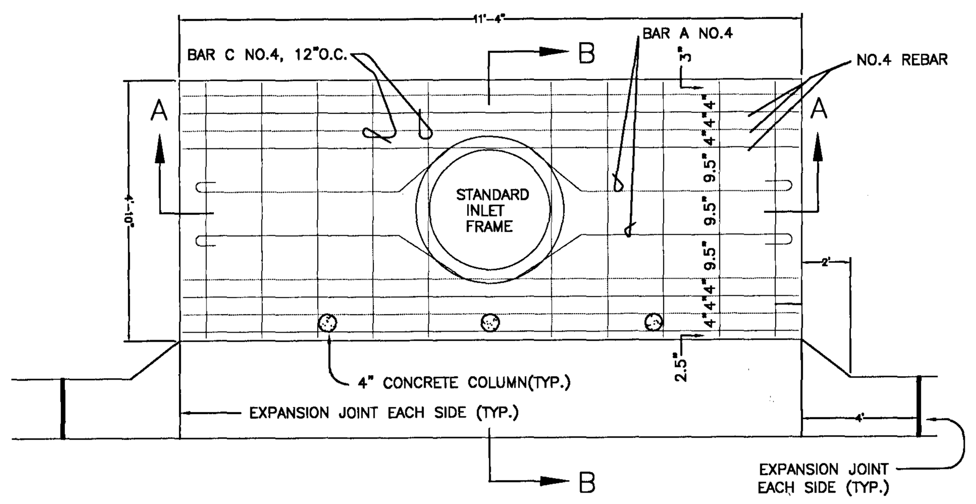
DAVID W. FITZPATRICK LICENSE No 47818 STATE OF FLORIDA PROFESSIONAL ENGINEER

PROJECT NUMBER 19-010
PLOT DATE 01/14/21
SHEET C21 OF C22

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

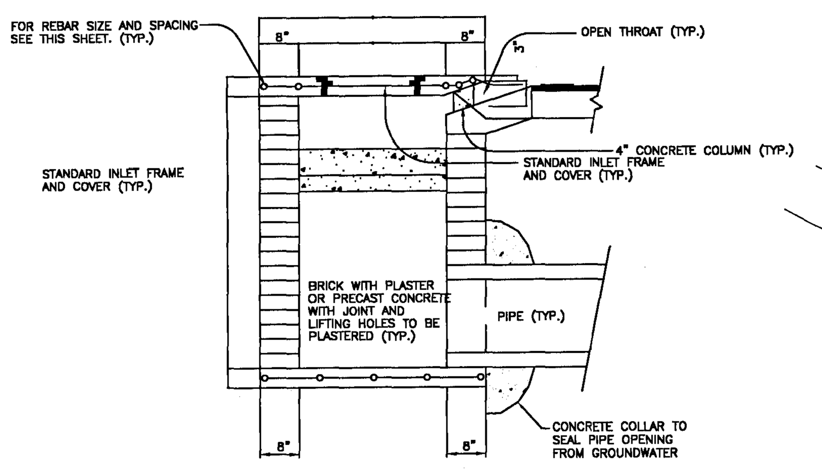


SECTION "A–A"

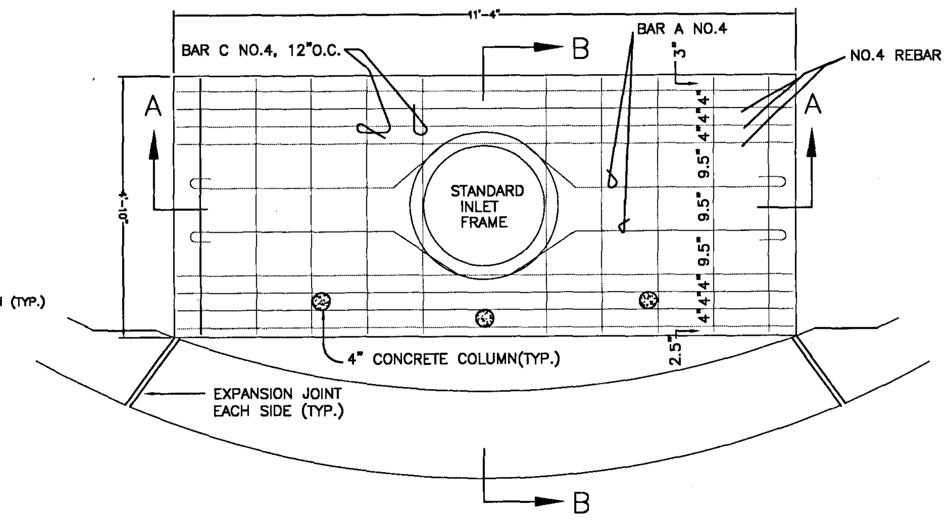


TYPE 'A' DROP INLET DETAIL

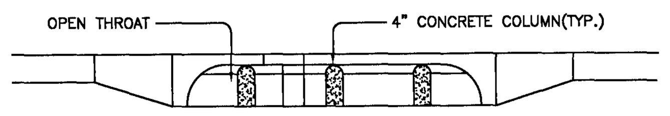
STORM STRUCTURE NOTES:
1. NO CONCRETE BLOCK ALLOWED IN INLETS/MANHOLES
2. PIPE CONNECTIONS TO STRUCTURES TO INCLUDE CONCRETE COLLARS.



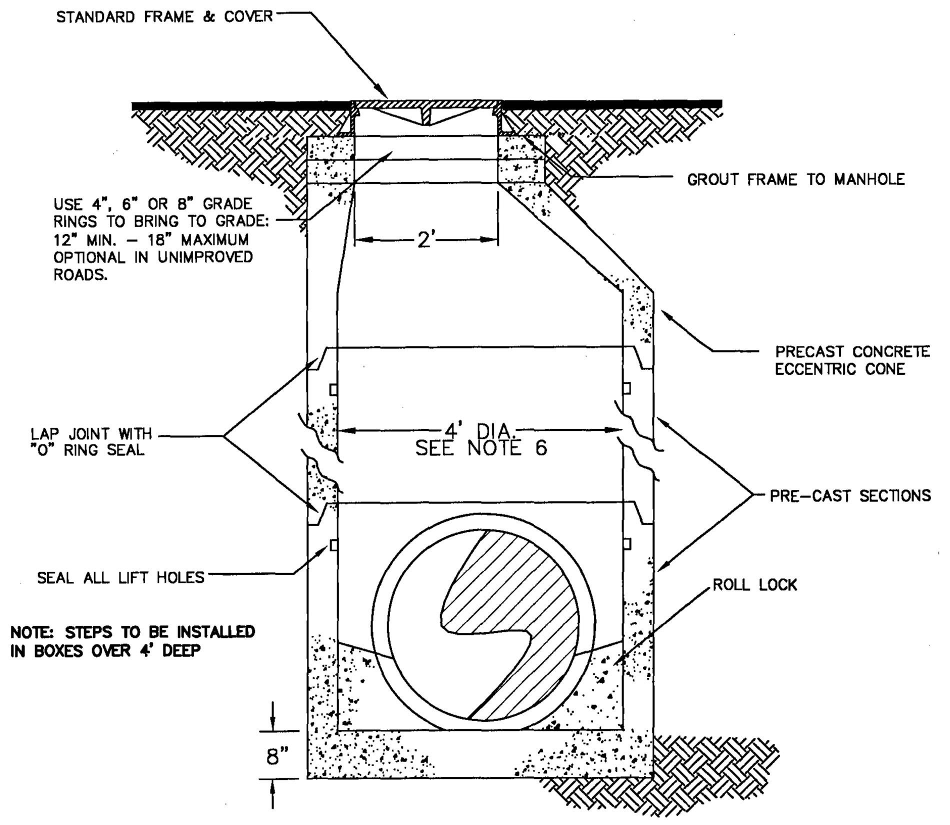
SECTION "B–B"



TYPE 'A–1' DROP INLET DETAIL



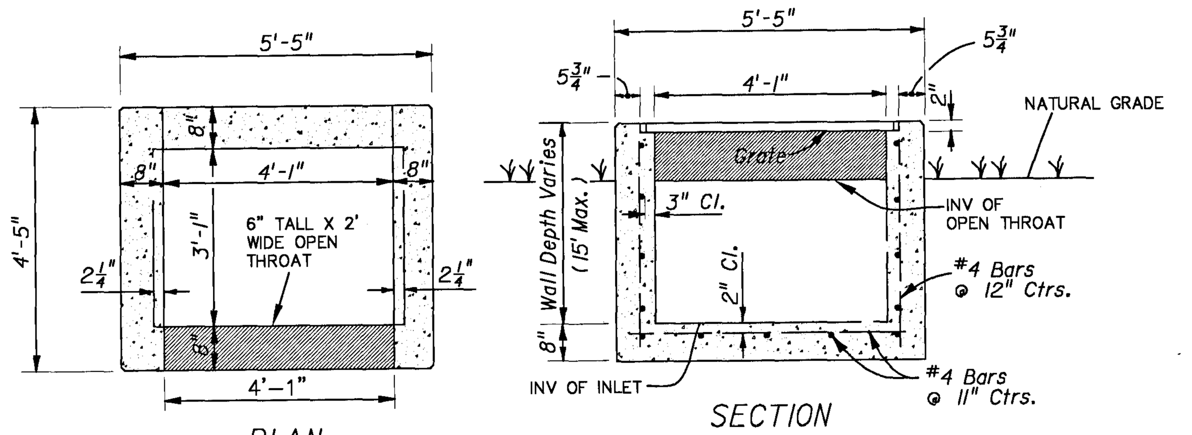
TYPE 'A' & 'A–1' THROAT ELEVATION



STANDARD JUNCTION BOX
NTS

JUNCTION BOX NOTES:
1. MANHOLE SHALL CONFORM TO A.S.T.M. C 478 SPECIFICATIONS.
2. DIAMETER OF OPENING FOR PIPE SHALL BE 1" LARGER DIAMETER THAN BELL OF THE PIPE BEING USED.
3. JOINTING COMPOUND SHALL BE RAM NECK, TYPE 1, ROPE FORM PLASTIC GASKET OR EQUAL.
4. ALL PATCHING TO BE DONE WITH HYDRAULIC CEMENT. NO MORTAR REPAIRS PERMITTED.
5. CONCRETE TO BE 2500 P.S.I., REINFORCING STEEL TO BE A.S.T.M. A 615 GRADE 60.
6. FRAME AND COVER SHALL BE VULCAN 1337–2 (ASTM SPEC. A–48, CLASS 30 CAST IRON) OR APPROVED EQUAL. REFER TO SPECIFICATIONS
7. CONTRACTOR IS CAUTIONED TO DETERMINE IF A 4' DIAMETER MANHOLE IS LARGE ENOUGH TO CONTAIN SOME OF THE LARGER PIPES OR CONFIGURATIONS. IT MAY BE NECESSARY TO PROVIDE A LARGER DIAMETER JUNCTION BOX. RECTANGULAR JUNCTION BOXES ARE ACCEPTABLE PROVIDED THEY MEET ESCAMBIA COUNTY REQUIREMENTS AND FDOT SPEC.
8. NO CONCRETE BLOCK ALLOWED IN INLETS/MANHOLES
9. PIPE CONNECTIONS TO STRUCTURES TO INCLUDE CONCRETE COLLARS.

NOTE: ALL INLETS ARE TO UTILIZE SILT SAVERS FRAME AND FILTER ASSEMBLY.

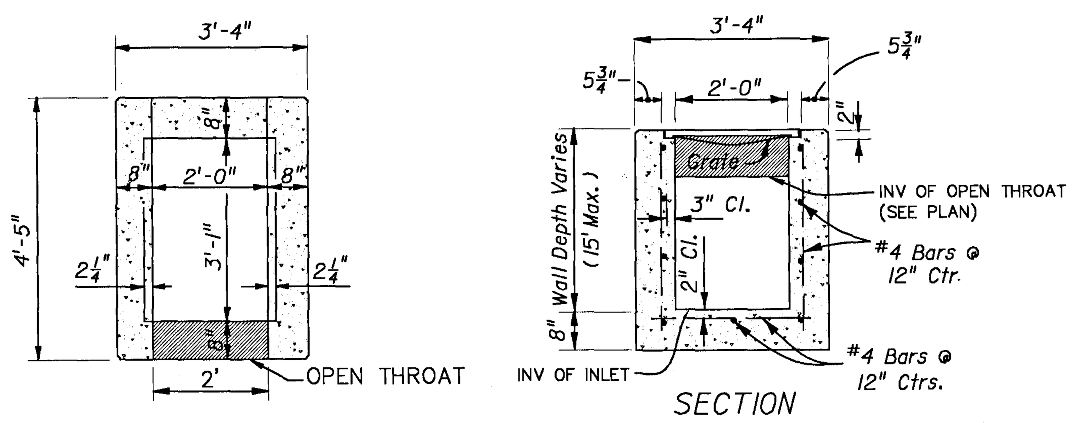


PLAN

SECTION

Recommended Maximum Pipe Size:
3'-1" Wall - 24" Pipe
4'-1" Wall - 36" Pipe

FDOT TYPE–D INLET DETAIL
NTS



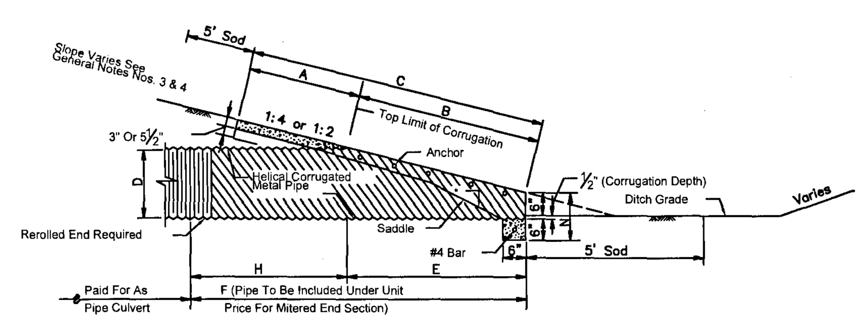
PLAN

SECTION

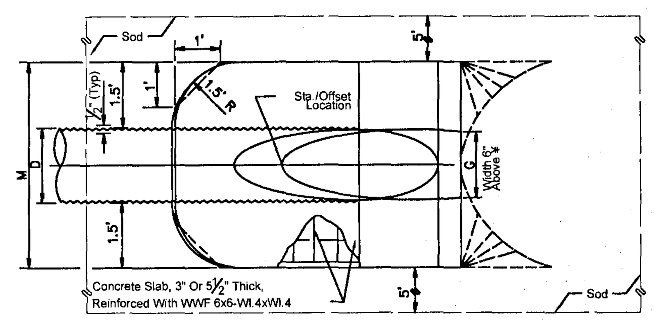
NOTE: ALL INLETS ARE TO UTILIZE SILT SAVERS FRAME AND FILTER ASSEMBLY.

Recommended Maximum Pipe Size:
2'-0" Wall - 18" Pipe
3'-1" Wall - 24" Pipe

FDOT TYPE–C INLET DETAIL
NTS



SECTION



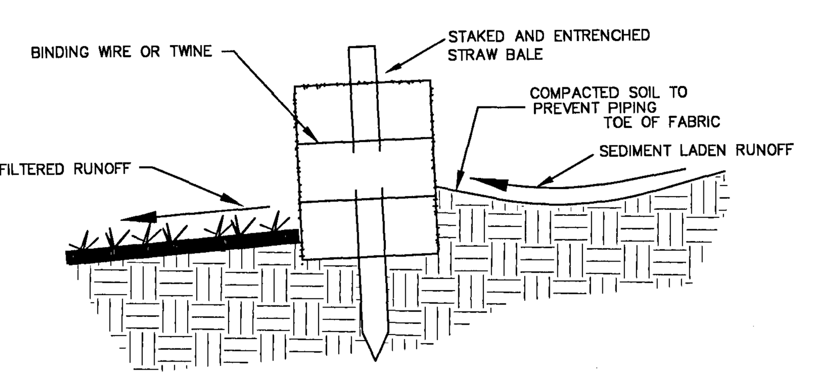
TOP VIEW

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 INDEX NO 280.

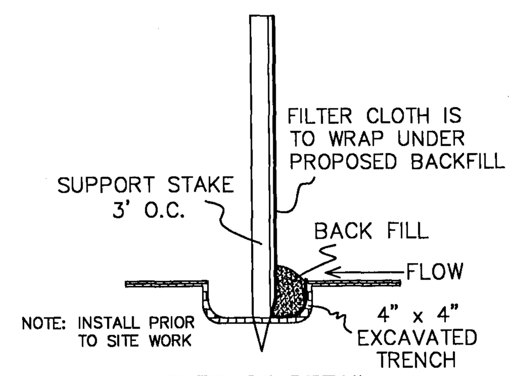
MES DIMENSIONS AND QUANTITIES

	D	X	A	B	C	E	F	G	H ?	M Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N	5½" CONCRETE SLAB (CY) Single Pipe	5½" CONCRETE SLAB (CY) Double Pipe	5½" CONCRETE SLAB (CY) Triple Pipe	5½" CONCRETE SLAB (CY) Quad. Pipe	SODDING (SY) Single Pipe	SODDING (SY) Double Pipe	SODDING (SY) Triple Pipe	SODDING (SY) 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'	0.35	0.54	0.74	0.94	21	24	27	29
	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'	0.38	0.62	0.87	1.12	22	25	28	31
	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'	0.47	0.76	1.05	1.34	23	27	31	35
	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'	0.57	0.96	1.37	1.77	25	30	35	39
	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'	0.67	1.19	1.72	2.26	27	33	38	44
	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'	0.78	1.48	2.17	2.87	29	36	42	49
	48"	6'–9"	2.5'	7.83'	10.33'	7.0'	11.0'	2.65'	4'	7.08'	13.83'	20.58'	27.33'	1.04'	0.89	1.71	2.54	3.36	31	38	46	53
	54"	7'–8"	2.5'	8.94'	11.44'	8.0'	12.0'	2.83'	4'	7.58'	15.25'	22.92'	30.58'	1.04'	1.02	2.06	3.10	4.14	33	41	50	58
	60"	8'–6"	2.5'	10.06'	12.56'	9.0'	13.0'	3.00'	4'	8.08'	16.58'	25.08'	33.58'	1.04'	1.14	2.38	3.63	4.89	34	44	53	63
1:4 Slope	15"	2'–7"	2.5'	3.09'	5.59'	3.0'	7.0'	1.23'	4'	4.33'	6.92'	9.50'	12.08'	1.04'	0.44	0.68	0.91	1.15	22	25	28	31
	18"	2'–10"	2.5'	4.12'	6.62'	4.0'	8.0'	1.41'	4'	4.58'	7.42'	10.25'	13.08'	1.04'	0.49	0.77	1.03	1.31	24	27	30	33
	24"	3'–5"	2.5'	6.18'	8.68'	6.0'	10.0'	1.73'	4'	5.08'	8.50'	11.92'	15.33'	1.04'	0.65	1.09	1.38	1.77	27	30	34	38
	30"	4'–3"	2.5'	8.25'	10.75'	8.0'	12.0'	2.00'	4'	5.58'	9.83'	14.08'	18.33'	1.04'	0.81	1.34	1.90	2.44	29	34	39	44
	36"	5'–1"	2.5'	10.31'	12.81'	10.0'	14.0'	2.24'	4'	6.08'	11.17'	16.25'	21.33'	1.04'	0.97	1.68	2.41	3.14	32	38	44	49
	42"	6'–0"	2.5'	12.37'	14.87'	12.0'	16.0'	2.45'	4'	6.58'	12.58'	18.58'	24.58'	1.04'	1.13	2.08	3.06	4.02	35	42	48	55
	48"	6'–9"	2.5'	14.43'	16.93'	14.0'	18.0'	2.65'	4'	7.08'	13.83'	20.58'	27.33'	1.04'	1.29	2.49	3.69	4.88	38	46	53	60
	54"	7'–8"	2.5'	16.49'	18.99'	16.0'	20.0'	2.83'	4'	7.58'	15.25'	22.92'	30.58'	1.04'	1.48	2.98	4.47	5.98	41	49	58	66
	60"	8'–6"	2.5'	18.55'	21.05'	18.0'	22.0'	3.00'	4'	8.08'	16.58'	25.08'	33.58'	1.04'	1.66	3.49	5.31	7.13	44	53	63	72

FDOT MES DETAIL
NTS



DETAIL OF PROPERLY INSTALLED STRAW BALE



SILT FENCE DETAIL
N.T.S.

FINAL SUBMITTAL

DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00008423
10250 NORTH PALAFOX STREET
PENSACOLA, FL 32534
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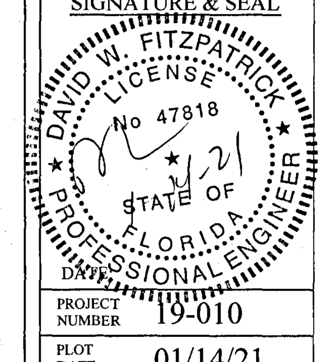
NAUTICAL LANDING

DRAINAGE DETAILS

DATE	REVISION	NUMBER

DRAWN BY: B. PEMENT
DESIGNED BY: D. FITZPATRICK

SIGNATURE & SEAL



PROJECT NUMBER 19-010
PLOT DATE 01/14/21