

CONSTRUCTION PLANS FOR

Turtle Creek

A PROPOSED 134 LOT RESIDENTIAL SUBDIVISION OF A PORTION OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST ESCAMBIA COUNTY, FLORIDA
MARCH 2021

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 WORKS SPECIFICATIONS.

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*
LPFM DETAILS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>	<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.

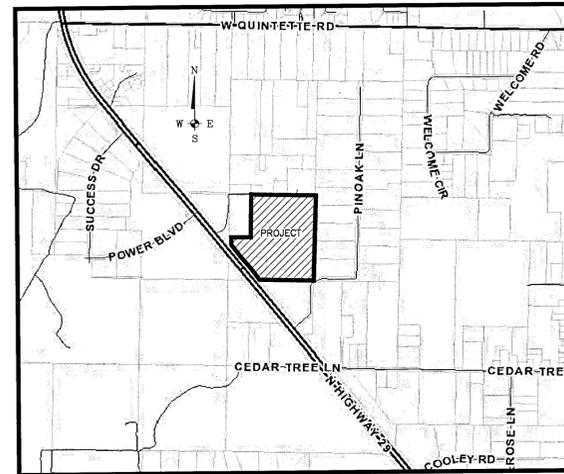
GENERAL NOTES:

- CONTRACTOR SHALL NOTIFY ESCAMBIA COUNTY ENGINEER 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, 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.
- 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.
- CONTRACTOR SHALL DISPOSE OF BY HAULING AWAY ALL EXCESS MATERIAL.
- 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 BACTERIOLOGICALLY 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 PLACED IN ACCORDANCE WITH SEC. 570 F.D.O.T. STANDARD SPECIFICATIONS.
- PIPELINE CONTRACTOR SHALL BE RESPONSIBLE FOR INLET TOPS AND THROATS.
- 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.
- 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.
- 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.
- 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 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 THE LATEST EDITIONS OF FDOT SECTION 570 AND FDOT STANDARD PLAN INDEXES 570-001 AND 570-010.
- 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 BOTH THE DESIGN ENGINEER, 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.
- 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.
- 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 WATER AND SANITARY SEWER SYSTEMS.
- TYPE 1 CURB CUT DRIVEWAYS ARE TO BE USED FOR ALL UTILITY ACCESS POINTS.
- 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 CONSTRAINTS 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 SEEDING /MULCHED/FERTILIZED WILL BE ACCEPTABLE.
- SAG FILTERS IN CURB THROATS ARE NOT AN ALLOWABLE SEDIMENT CONTROL METHOD.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AT LEAST TWO WEEKS PRIOR TO PLACEMENT OF BASE MATERIAL TO ASSIST IN THE COORDINATION OF ALL OTHER UNDERGROUND UTILITIES.
- A MINIMUM ONE (1) FOOT GROUND COVER IS REQUIRED FOR ALL UNDERGROUND PIPES.
- PROPOSED RESIDENTIAL LOTS 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. INFRASTRUCTURE AREAS ONLY CAN BE DEVELOPED ONCE CONSTRUCTION PLANS APPROVAL & CO HAVE BEEN OBTAINED.
- NO HERITAGE OR CHAMPION TREES EXIST ONSITE.
- WORK PERFORMED NEXT TO THE R/W WITH EXISTING SWALES 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.
- THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT-OF-WAYS.
- DEVELOPER/CONTRACTOR/HOMEOWNERS 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.

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

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

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



VICINITY MAP
(NOT TO SCALE)

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SHEET	DESCRIPTION
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FLOOD ZONING NOTE:

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND .2-PERCENT-ANNUAL-CHANCE FLOODPLAINS. NO BEFS OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0240C, MAP REVISION DATED SEPTEMBER 29, 2006

LEGAL DESCRIPTION:

PARCEL 1:
COMMENCE AT THE SOUTHWEST CORNER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA; THENCE NORTH 1 DEGREES 20 MINUTES 19 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION FOR A DISTANCE OF 1904.42 FEET TO THE EAST RIGHT OF WAY OF U.S. HIGHWAY #29 (215.00 FEET RIGHT OF WAY) AND THE POINT OF BEGINNING; THENCE CONTINUE NORTH 1 DEGREES 20 MINUTES 19 SECONDS EAST ALONG SAID WEST LINE OF SECTION 34 FOR A DISTANCE OF 724.32 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST 1/4 OF SAID SECTION; THENCE SOUTH 88 DEGREES 22 MINUTES 21 SECONDS EAST FOR A DISTANCE OF 1324.44 FEET; THENCE SOUTH 1 DEGREES 19 MINUTES 26 SECONDS WEST FOR A DISTANCE OF 1314.58 FEET; THENCE NORTH 88 DEGREES 21 MINUTES 46 SECONDS WEST FOR A DISTANCE OF 726.11 FEET; THENCE NORTH 1 DEGREES 20 MINUTES 19 SECONDS EAST FOR A DISTANCE OF 344.00 FEET; THENCE NORTH 88 DEGREES 21 MINUTES 46 SECONDS WEST FOR A DISTANCE OF 406.38 FEET TO THE EAST RIGHT OF WAY OF U.S. HIGHWAY #29 (200.00 FEET RIGHT OF WAY); THENCE NORTH 39 DEGREES 16 MINUTES 56 SECONDS WEST ALONG SAID RIGHT OF WAY FOR A DISTANCE OF 25.70 FEET; THENCE NORTH 50 DEGREES 43 MINUTES 04 SECONDS EAST FOR A DISTANCE OF 15.00 FEET; THENCE 39 DEGREES 16 MINUTES 56 SECONDS WEST FOR A DISTANCE OF 287.38 FEET TO THE POINT OF BEGINNING, LYING AND BEING IN SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.

LESS AND EXCEPT
COMMENCE AT THE SOUTHWEST CORNER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA; THENCE NORTH 1 DEGREES 20 MINUTES 19 SECONDS EAST ALONG THE WEST LINE OF SAID SECTION FOR A DISTANCE OF 1904.42 FEET TO THE EAST RIGHT OF WAY OF U.S. HIGHWAY #29 (215 FEET RIGHT OF WAY) AND THE POINT OF BEGINNING; THENCE CONTINUE NORTH 1 DEGREES 20 MINUTES 19 SECONDS EAST FOR A DISTANCE OF 724.32 FEET; THENCE SOUTH 88 DEGREES 22 MINUTES 21 SECONDS EAST FOR A DISTANCE OF 1324.44 FEET; THENCE SOUTH 1 DEGREES 19 MINUTES 26 SECONDS WEST FOR A DISTANCE OF 1314.58 FEET; THENCE NORTH 88 DEGREES 21 MINUTES 46 SECONDS WEST FOR A DISTANCE OF 726.11 FEET; THENCE NORTH 1 DEGREES 20 MINUTES 19 SECONDS EAST FOR A DISTANCE OF 344.00 FEET; THENCE NORTH 88 DEGREES 21 MINUTES 46 SECONDS WEST FOR A DISTANCE OF 406.38 FEET TO THE EAST RIGHT OF WAY OF U.S. HIGHWAY #29 (200.00 FEET RIGHT OF WAY); THENCE NORTH 39 DEGREES 16 MINUTES 56 SECONDS WEST ALONG SAID RIGHT OF WAY FOR A DISTANCE OF 25.70 FEET; THENCE NORTH 50 DEGREES 43 MINUTES 04 SECONDS EAST FOR A DISTANCE OF 15.00 FEET; THENCE 39 DEGREES 16 MINUTES 56 SECONDS WEST FOR A DISTANCE OF 287.38 FEET TO THE POINT OF BEGINNING, ALL LYING AND BEING IN SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.

PARCEL 2:
BEGIN AT THE INTERSECTION OF THE EAST LINE OF THE RIGHT OF WAY OF NEW PALAFOX (HIGHWAY NO. 29) AND THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA; THENCE IN AN EASTERLY DIRECTION ALONG SAID SOUTH LINE A DISTANCE OF 110 FEET; THENCE IN A NORTHERLY DIRECTION PARALLEL TO THE WEST LINE OF SAID SECTION 34, A DISTANCE OF 100 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE ALONG THE SAME LINE FOR A DISTANCE OF 244 FEET; THENCE IN A WESTERLY DIRECTION PARALLEL TO SAID SOUTH LINE OF SAID NORTHWEST QUARTER OF SECTION 34 A DISTANCE OF 406.4 FEET TO THE EAST RIGHT OF WAY LINE OF SAID NEW PALAFOX HIGHWAY; THENCE IN A SOUTHEASTERLY DIRECTION ALONG SAID EAST RIGHT OF WAY LINE A DISTANCE OF 322.8 FEET; THENCE EASTERLY PARALLEL TO THE SAID SOUTH LINE OF SAID NORTHWEST QUARTER OF SECTION 34 A DISTANCE OF 196.2 FEET TO THE EAST RIGHT OF WAY LINE OF SAID NEW PALAFOX HIGHWAY; THENCE IN A SOUTHEASTERLY DIRECTION ALONG SAID EAST RIGHT OF WAY LINE A DISTANCE OF 132.3 FEET TO THE POINT OF BEGINNING, ALL LYING AND BEING IN SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.

PARCEL 3:
BEGIN AT THE INTERSECTION OF THE EAST LINE OF THE RIGHT OF WAY OF NEW PALAFOX HIGHWAY (HIGHWAY NO. 29) AND THE SOUTH LINE OF THE NORTHWEST 1/4 OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA; THENCE IN AN EASTERLY DIRECTION ALONG THE SOUTH LINE A DISTANCE OF 110 FEET; THENCE IN A NORTHERLY DIRECTION PARALLEL TO THE WEST LINE OF SAID SECTION 34 A DISTANCE OF 100 FEET; THENCE IN A WESTERLY DIRECTION PARALLEL TO THE SOUTH LINE OF SAID NORTHWEST 1/4 OF SECTION 34 A DISTANCE OF 196.2 FEET TO THE EAST RIGHT OF WAY LINE OF SAID NEW PALAFOX HIGHWAY; THENCE IN A SOUTHEASTERLY DIRECTION ALONG SAID EAST RIGHT OF WAY LINE A DISTANCE OF 132.3 FEET TO THE POINT OF BEGINNING, ALL LYING AND BEING IN SECTION 34, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.

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

GULF POWER CO. ~ 429-2603

AT&T ~ 436-1489

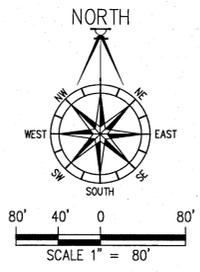
ECUA ~ 969-5823

PENSACOLA ENERGY ~ 474-5309



SHEET NO. 1
PROJECT NO. 18-039

Approved: *[Signature]* Date: 4-7-21
 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 shown.
 IMPROV. SURF. 117,064 Sq Ft
 Stormwater Ret. 7.6 % (F)
 Total Drainage Fee \$4,448.43
 Pond Maint. Fee: MSLL
 DRAINAGE FEE



DAVID W. FITZPATRICK
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 PALM BEACH, FLORIDA, U.S.A. FAX: (850)476-7788
 PH: (850)476-8877

TURTLE CREEK
 EXISTING CONDITIONS / DEMOLITION PLAN

DATE	REVISIONS
01/20/20	POST TRACKING COMMENT REVISIONS
2/28/21	LOCAL COMMENT REVISIONS
3/11/21	ESCAMABA COUNTY COMMENT REVISIONS

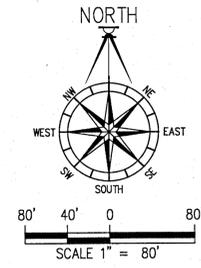
DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

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

DATE:
PROJECT NUMBER: 18-039
PLOT DATE: 3/31/21
SHEET C2 OF C40

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 WORKS SPECIFICATIONS.



BENCH MARK #10005
 SET NAD '83 LB 3293
 CONTROL POINT
 NORTHING=607836.35'
 EASTING=1074470.32'
 ELEVATION=81.76'

DAVID W. FITZPATRICK
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TURTLE CREEK
 DIMENSION PLAN

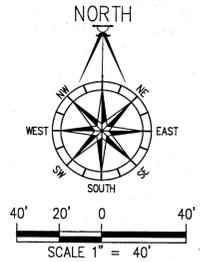
REVISION NUMBER	DATE	DESCRIPTION
1	12/10/20	FIRST DRAFT COMMENT REVISIONS
2	2/20/21	ECUA COMMENT REVISIONS
3	3/11/21	FLORIDA COUNTY COMMENT REVISIONS

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



PLOT DATE: 3/31/21
 SHEET: C3 OF C40

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TURTLE CREEK

SITE/UTILITY PLAN (NORTH)

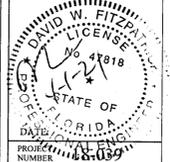


DATE	DESCRIPTION	BY	CHKD
12/14/20	ISSUE FOR PERMIT	DWF	
12/14/20	ISSUE FOR PERMIT	DWF	
12/14/20	ISSUE FOR PERMIT	DWF	

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

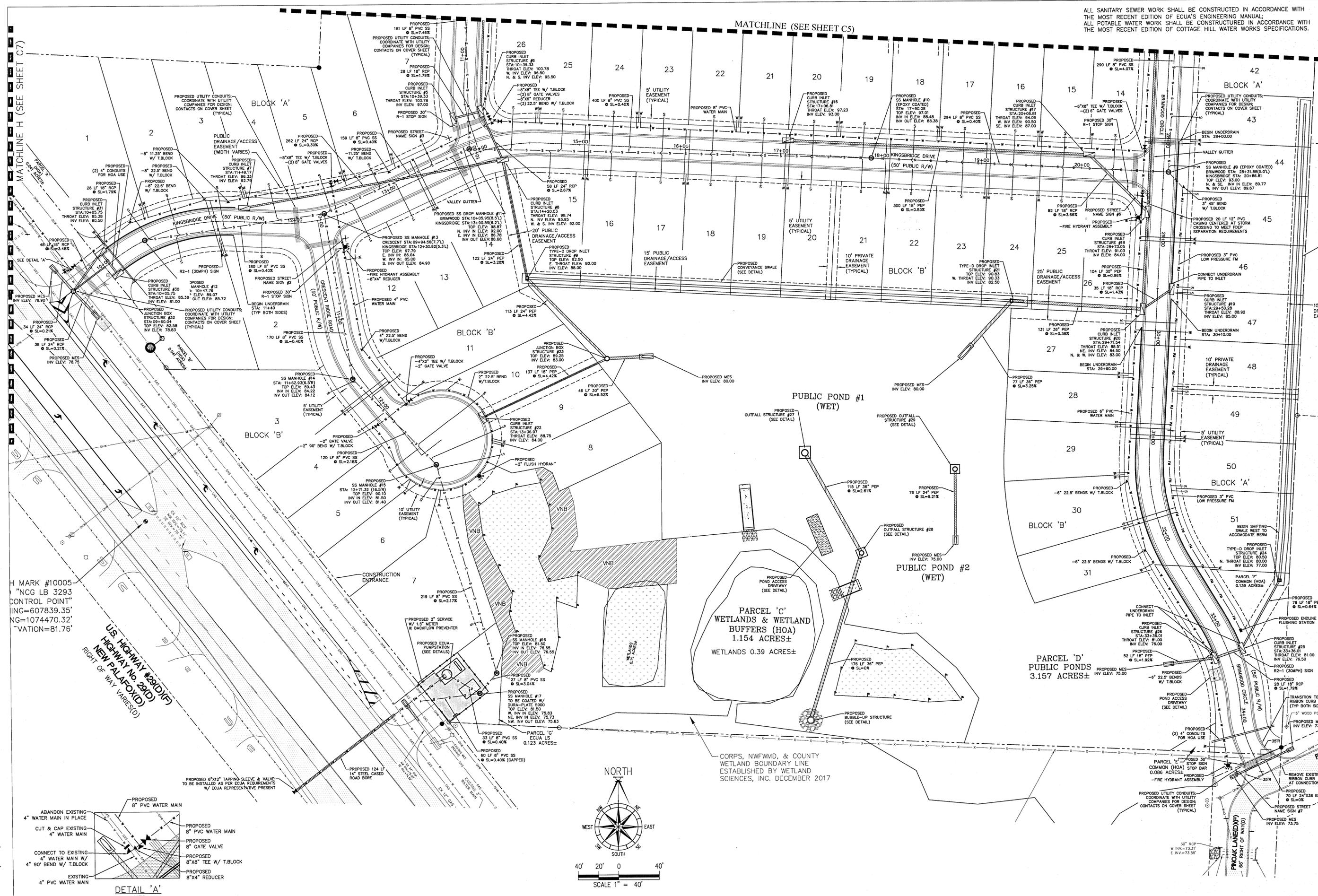


PLOT DATE: 3/31/21
 SHEET: C5 of C40

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 WORKS SPECIFICATIONS.

DAVID W. FITZPATRICK
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 10256 NORTH PALM COVE STREET
 PALM BEACH, FLORIDA 33411
 PH: (850)476-8877 FAX: (850)476-7708

TURTLE CREEK
 SITE/UTILITY PLAN (SOUTH)



MARK #10005
 "NCG LB 3293
 CONTROL POINT"
 NG=607839.35'
 EWG=1074470.32'
 VATION=81.76'

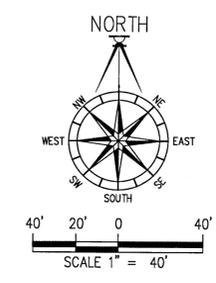
U.S. HIGHWAY #29(D/F)
 HIGHWAY No. 29(D)
 NEW PALM COVE
 RIGHT OF WAY (VARIES)

DATE	REVISION
12/20/09	1
2/20/11	2
3/31/11	3

DESIGNED BY:	A. BURKETT
DRAWN BY:	D. FITZPATRICK
CHECKED BY:	
DATE:	3/31/21
PLOT NUMBER:	164039
SHEET:	C6 OF C40

SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 STATE OF FLORIDA
 LICENSE NO. 164039

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

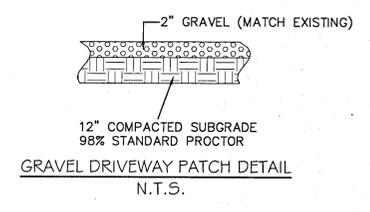
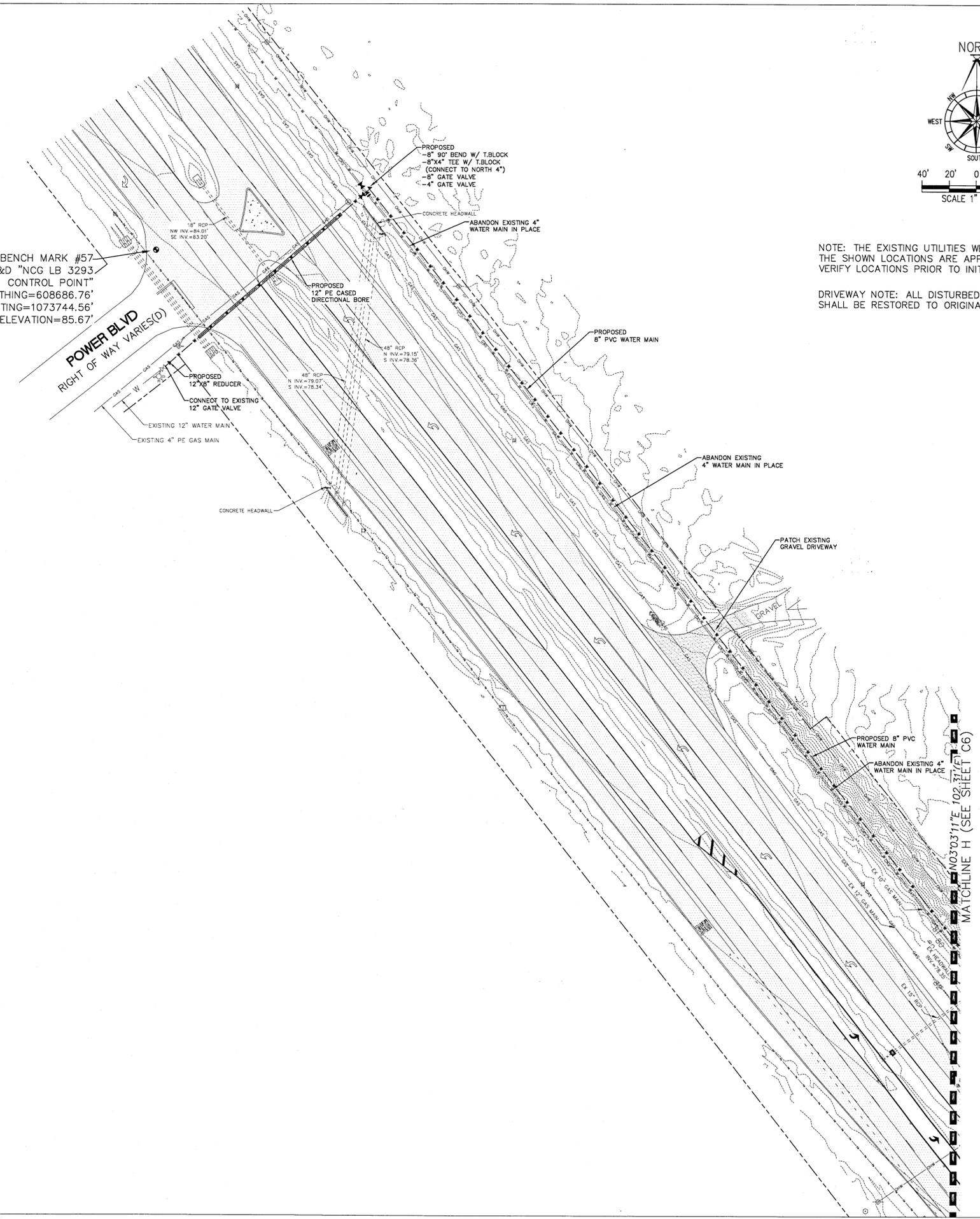


NOTE: THE EXISTING UTILITIES WERE NOT LOCATED OUT IN THE FIELD. THE SHOWN LOCATIONS ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY LOCATIONS PRIOR TO INITIATING CONSTRUCTION

DRIVEWAY NOTE: ALL DISTURBED EXISTING DRIVEWAYS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION

BENCH MARK #57
SET N&D "NCG LB 3293
CONTROL POINT"
NORTHING=608686.76'
EASTING=1073744.56'
ELEVATION=85.67'

POWER BLVD
RIGHT OF WAY VARIES (0)



MATCHLINE H (SEE SHEET C6)

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TURTLE CREEK
SITE/UTILITY PLAN (OFFSITE)

DATE	REVISION
10/21/21	1. INITIAL DESIGN
11/11/21	2. PER COUNTY COMMENTS
3/1/22	3. PER COUNTY COMMENTS

DRAWN BY:
A. BURKETT

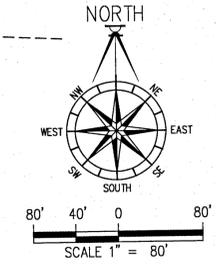
DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

PROJECT NUMBER: 181180

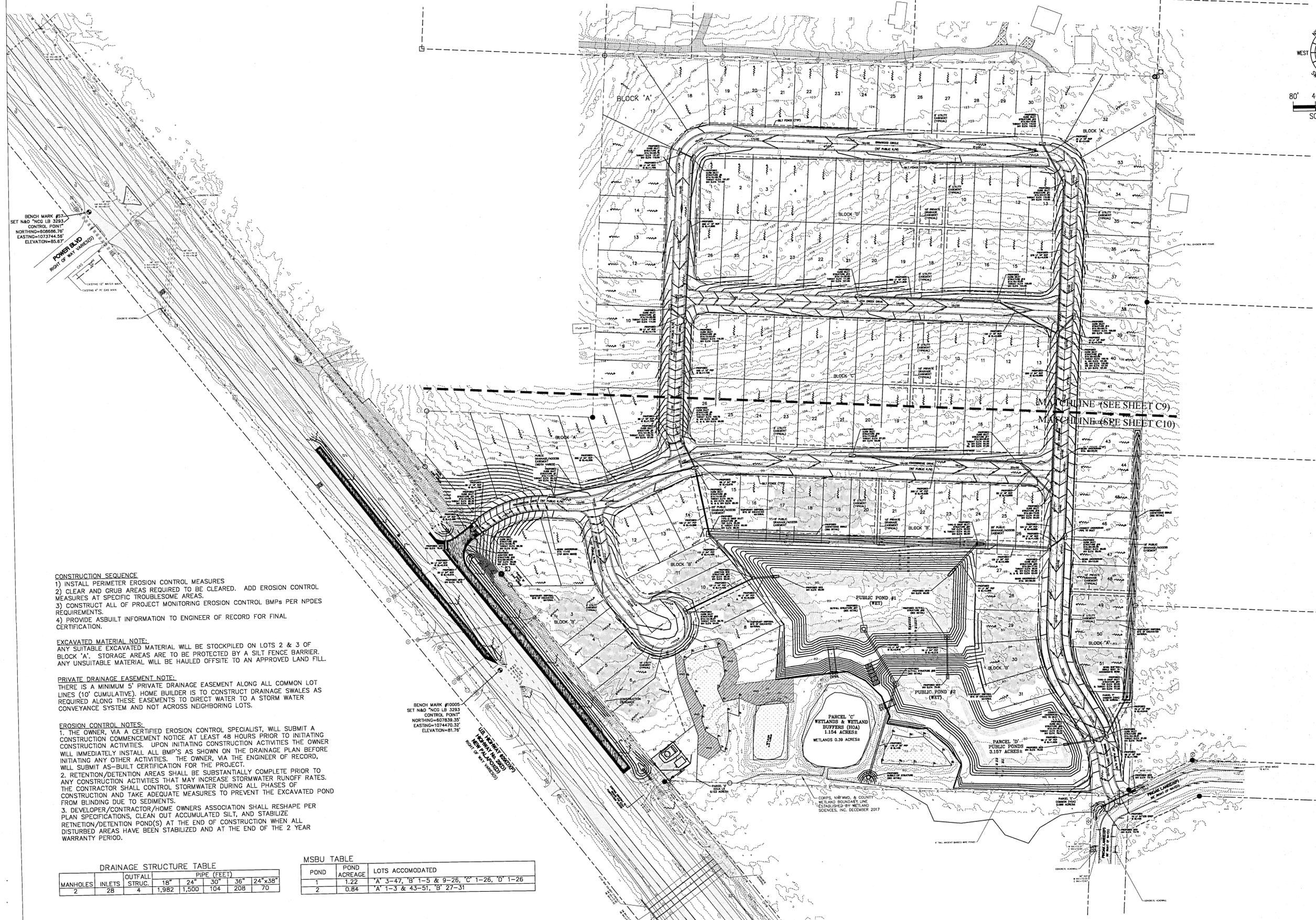
PLOT DATE: 3/31/21

SHEET C7 OF C40



DAVID W. FITZPATRICK
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TURTLE CREEK
 DRAINAGE PLAN



- CONSTRUCTION SEQUENCE**
- 1) INSTALL PERIMETER EROSION CONTROL MEASURES
 - 2) CLEAR AND GRUB AREAS REQUIRED TO BE CLEARED. ADD EROSION CONTROL MEASURES AT SPECIFIC TROUBLESOME AREAS.
 - 3) CONSTRUCT ALL OF PROJECT MONITORING EROSION CONTROL BMPs PER NPDES REQUIREMENTS.
 - 4) PROVIDE ASBUILT INFORMATION TO ENGINEER OF RECORD FOR FINAL CERTIFICATION.

EXCAVATED MATERIAL NOTE:
 ANY SUITABLE EXCAVATED MATERIAL WILL BE STOCKPILED ON LOTS 2 & 3 OF BLOCK 'A'. STORAGE AREAS ARE TO BE PROTECTED BY A SILT FENCE BARRIER. ANY UNSUITABLE MATERIAL WILL BE HAULED OFFSITE TO AN APPROVED LAND FILL.

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.

- EROSION CONTROL NOTES:**
1. THE OWNER, VIA A CERTIFIED EROSION CONTROL SPECIALIST, WILL SUBMIT A CONSTRUCTION COMMENCEMENT NOTICE AT LEAST 48 HOURS PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. UPON INITIATING CONSTRUCTION ACTIVITIES THE OWNER WILL IMMEDIATELY INSTALL ALL BMPs AS SHOWN ON THE DRAINAGE PLAN BEFORE INITIATING ANY OTHER ACTIVITIES. THE OWNER, VIA THE ENGINEER OF RECORD, WILL SUBMIT AS-BUILT CERTIFICATION FOR THE PROJECT.
 2. 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.
 3. 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.

DRAINAGE STRUCTURE TABLE

MANHOLES	INLETS	OUTFALL STRUC.	PIPE (FEET)				
			18"	24"	30"	36"	24"x38"
2	28	4	1,982	1,500	104	208	70

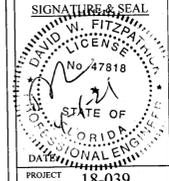
MSBU TABLE

POND	POND ACREAGE	LOTS ACCOMMODATED
1	1.22	'A' 3-47, 'B' 1-5 & 9-26, 'C' 1-26, 'D' 1-26
2	0.84	'A' 1-3 & 43-51, 'B' 27-31

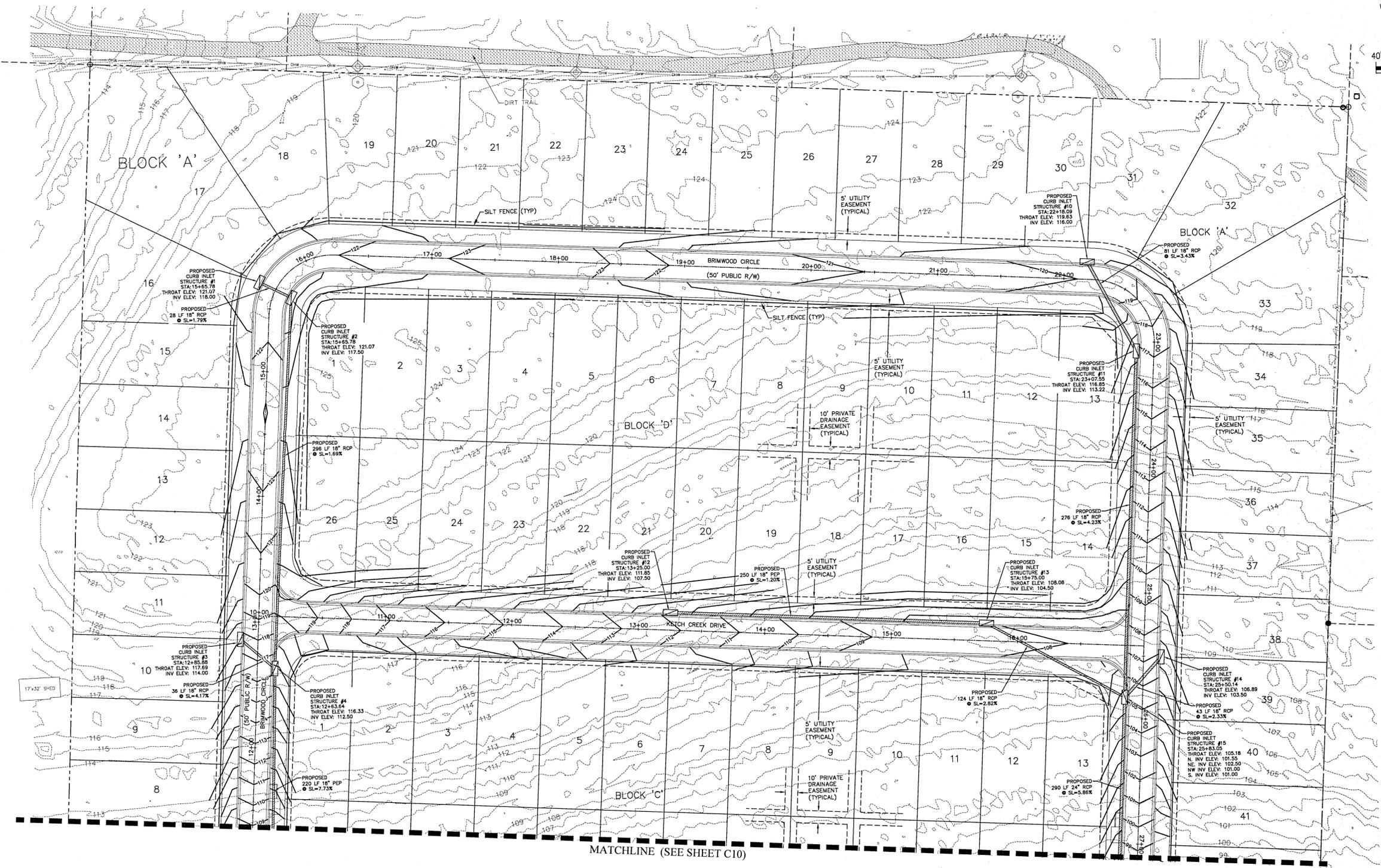
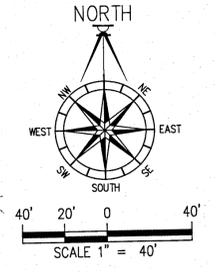
NUMBER	REVISION	DATE
1	FRONT DRAINAGE COMMENT REVISIONS	12/14/20
2	ECUA COMMENT REVISIONS	2/26/21
3	ESCAMBAR COUNTY COMMENT REVISIONS	3/31/21

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK



PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C8 OF C40



DAVID W. FITZPATRICK
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TURTLE CREEK
 DRAINAGE PLAN (NORTH)

DATE	REVISION	BY	DESCRIPTION
12/16/09	1	DAW	PROPOSED DRAINAGE COMMENTS REVISIONS
12/21/11	2	DAW	ECUA COMMENTS REVISIONS
1/21/12	3	DAW	ESCAMBAR COUNTY COMMENTS REVISIONS

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

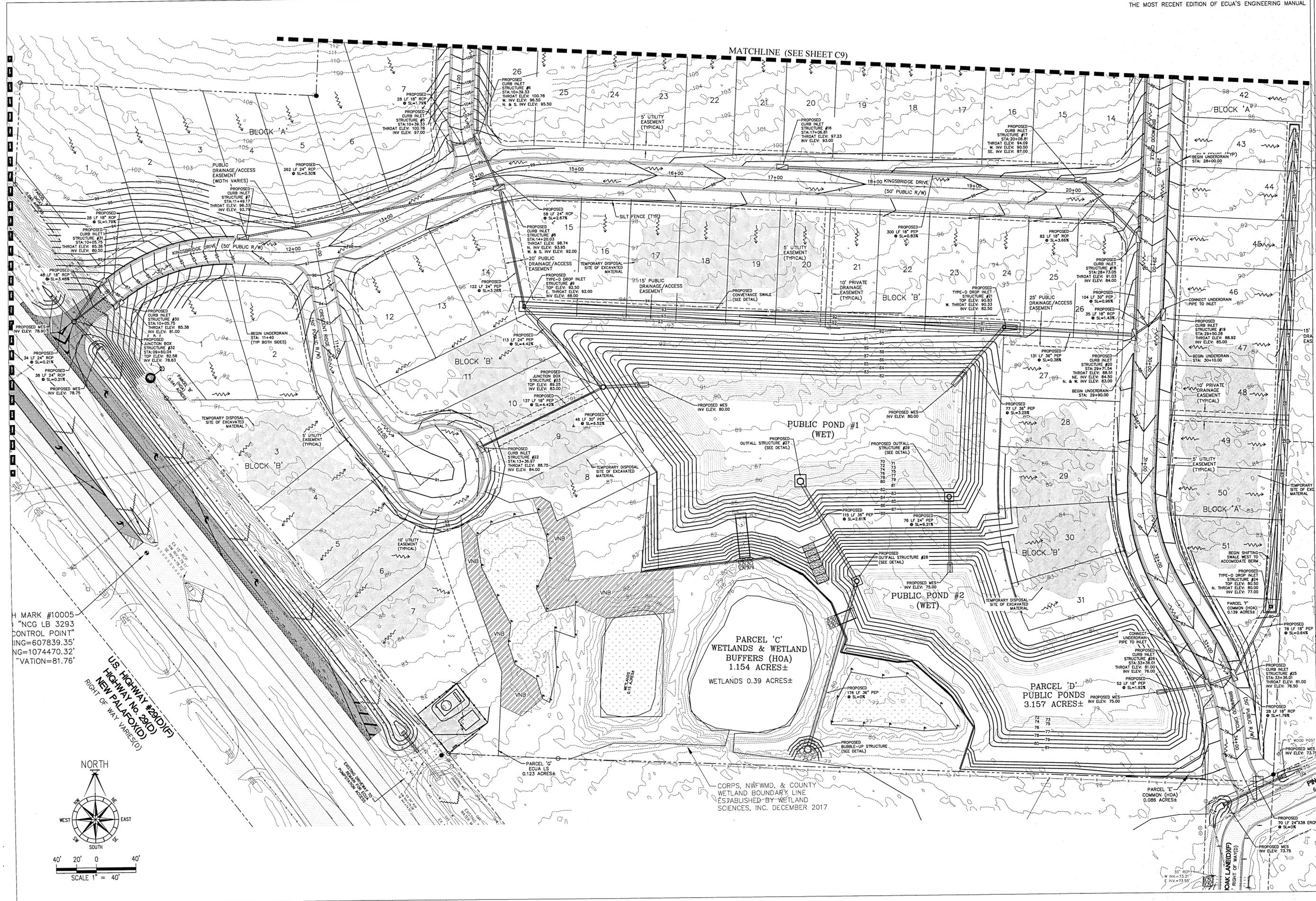
PROJECT NUMBER:
18-099

PLOT DATE:
3/31/21

SHEET C9 of C40

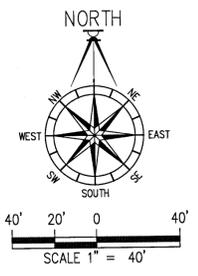
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10225 W. WINDYBROOK DR.
 PENSACOLA, FL 32514
 PH: (850) 476-8677 FAX: (850) 476-7708

TURTLE CREEK
 DRAINAGE PLAN (SOUTH)



H MARK #10005
 "NCG LB 3293
 CONTROL POINT"
 NG=607839.35'
 NG=1074470.32'
 VATION=81.76'

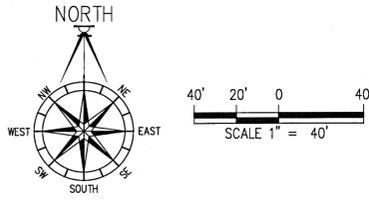
U.S. HIGHWAY #29(D)(F)
HIGHWAY No. 29(D)
NEW PALMFOX(D)
 RIGHT OF WAY (VARIES)



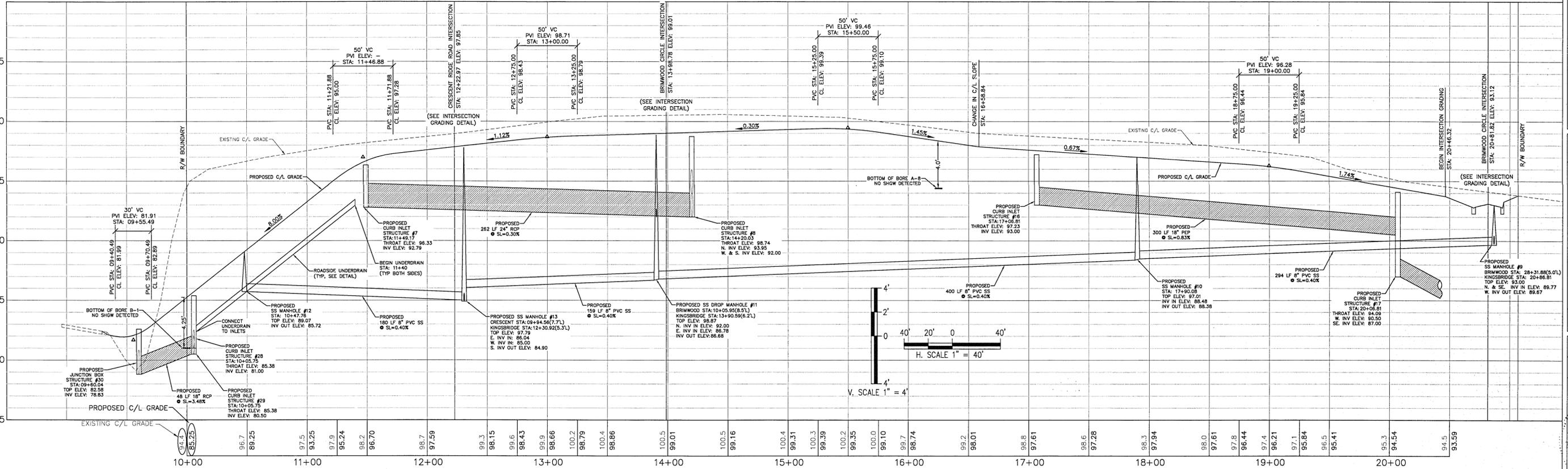
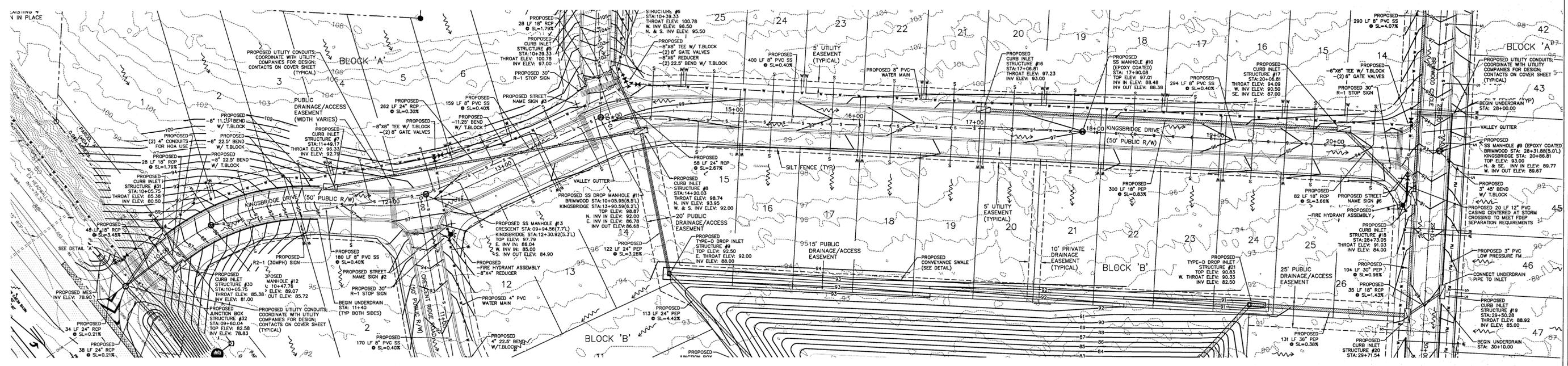
CORPS, NWFWD, & COUNTY
 WETLAND BOUNDARY LINE
 ESTABLISHED BY WETLAND
 SCIENCES, INC. DECEMBER 2017

DATE	REVISION	DESCRIPTION
	1	
	2	
	3	

DRAWN BY:
 A. BURKETT
 DESIGNED BY:
 D. FITZPATRICK
SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 LICENSE # 47818
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DATE: 3/31/21
 PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C10 OF C40



ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL;
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DAVID W. FITZPATRICK
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PH: (850)476-8877

TURTLE CREEK
KINGSBRIDGE DRIVE - PLAN / PROFILE

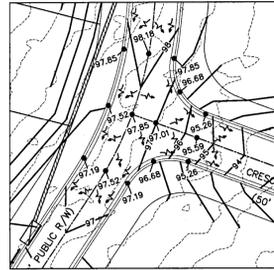
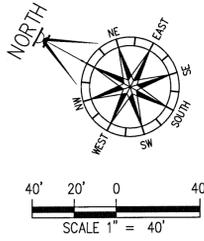
DATE	DESCRIPTION
3/20/21	POST DOCUMENT COMMENT REVISIONS
3/15/21	ECUA COMMENT REVISIONS
3/11/21	ECUA/CITY COMMENT REVISIONS

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

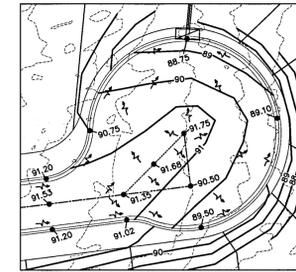
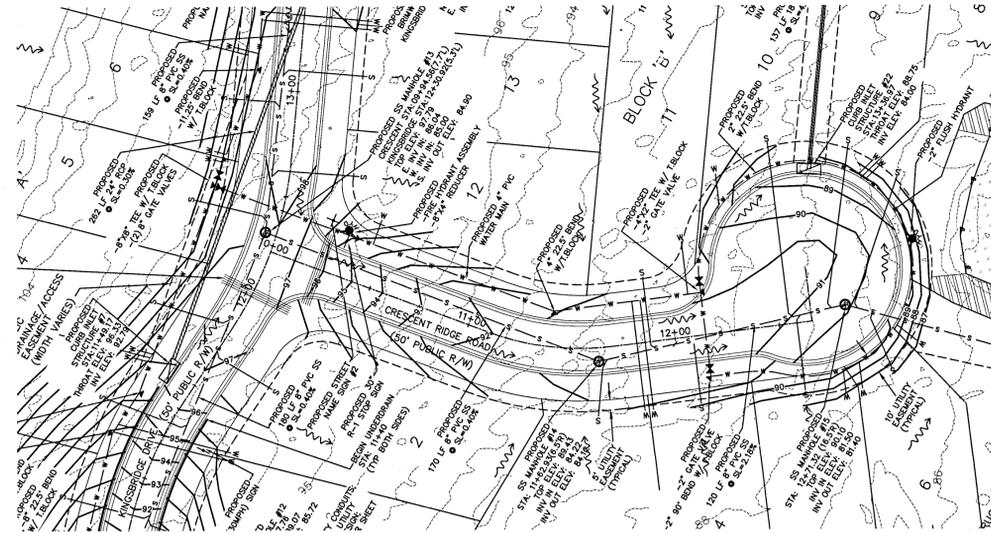
SIGNATURE & SEAL

DATE: 3/31/21
PROJECT NUMBER: 118039
PLOT DATE: 3/31/21
SHEET C11 OF C40

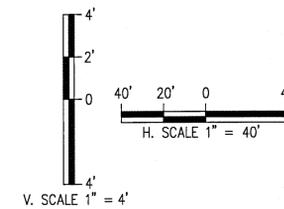
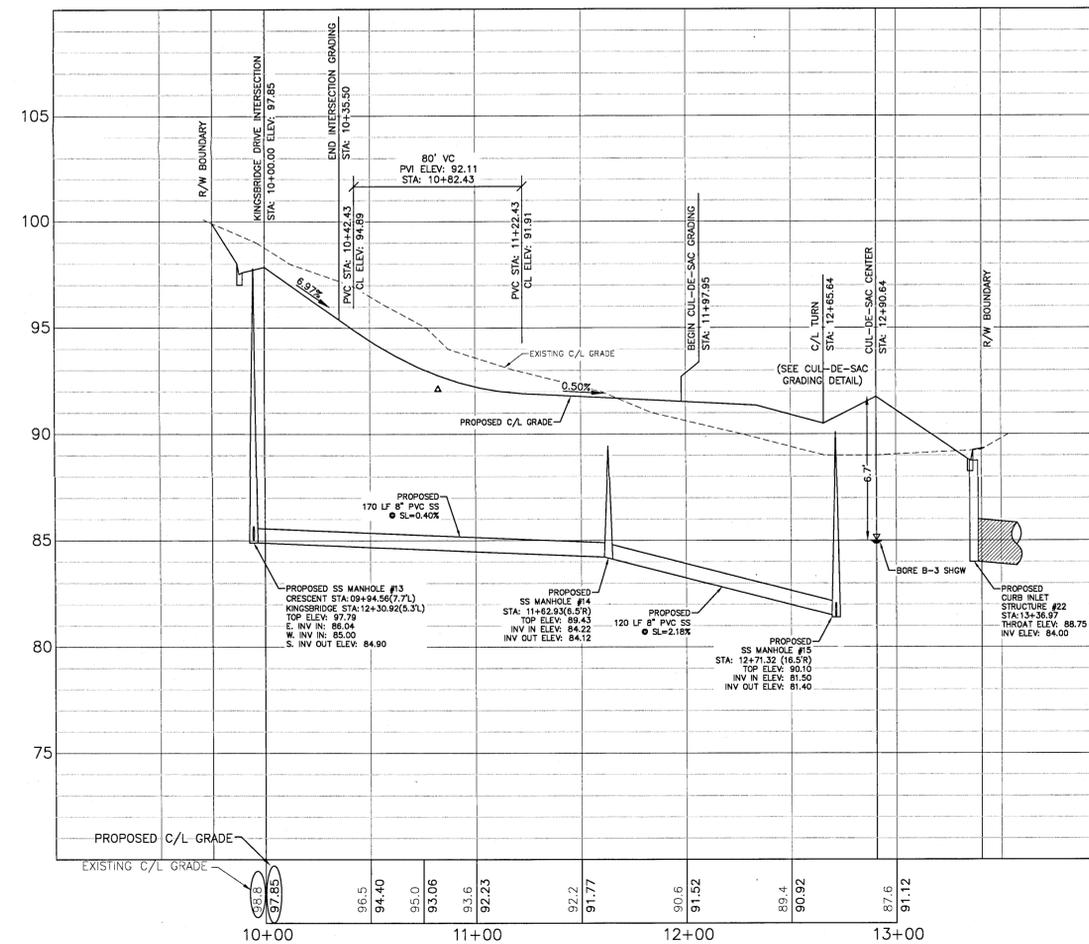
ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL; ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER WORKS SPECIFICATIONS.



INTERSECTION GRADING DETAIL



CUL-DE-SAC GRADING DETAIL



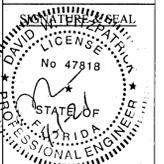
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008453
 10250 NORTH PALMFOX STREET
 ESCAMBA COUNTY, FLORIDA 32509
 PH: (850)476-8877 FAX: (850)476-7708

TURTLE CREEK

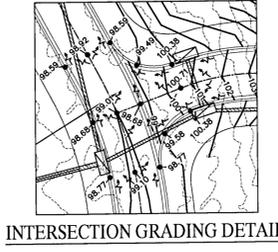
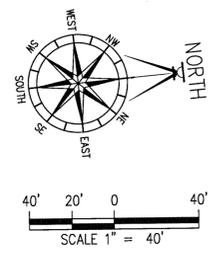
CRESCENT RIDGE DRIVE - PLAN / PROFILE

REVISION NUMBER	DATE	DESCRIPTION
1	12/14/20	FOOT DRAGAGE COMMENT REVISIONS
2	2/20/21	ECUA COMMENT REVISIONS
3	3/31/21	ESCAMBIA COUNTY COMMENT REVISIONS

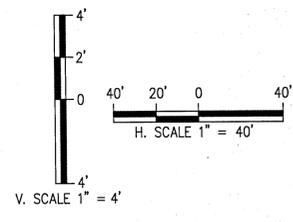
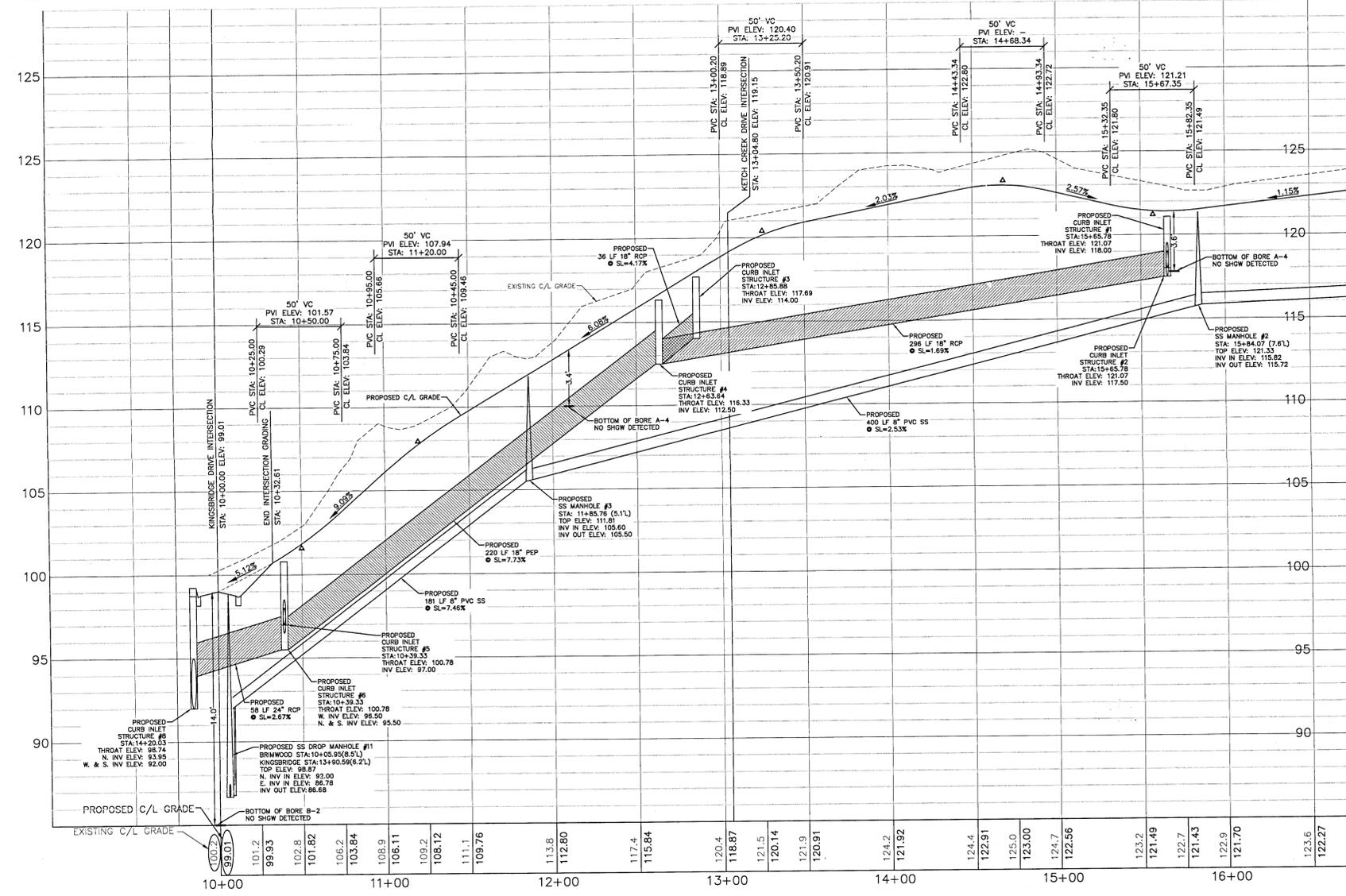
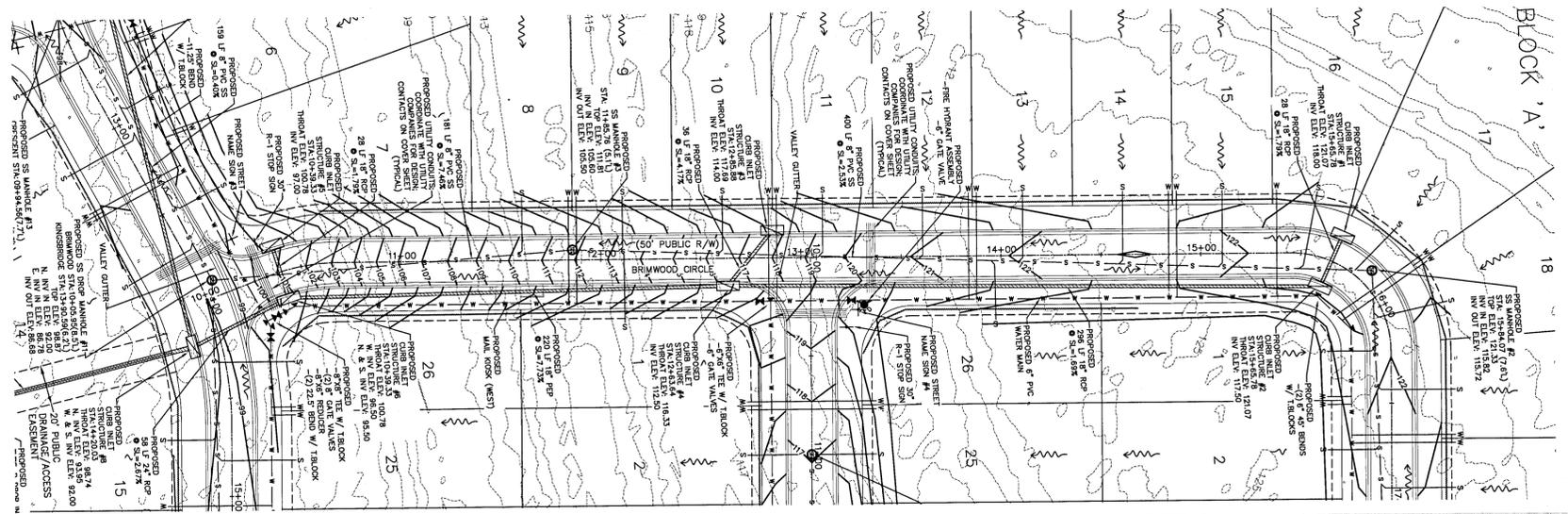
DRAWN BY:	A. BURKETT
DESIGNED BY:	D. FITZPATRICK
DATE:	
PROJECT NUMBER:	18-039
PLOT DATE:	3/31/21
SHEET:	C12 of C40



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 WORKS SPECIFICATIONS.



INTERSECTION GRADING DETAIL



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 10253 N. UNIVERSITY AVENUE
 PENSACOLA, FL 32504
 PH: (850)476-8677 FAX: (850)476-7708

TURTLE CREEK

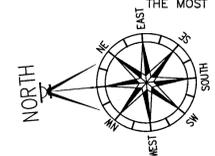
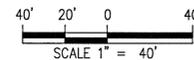
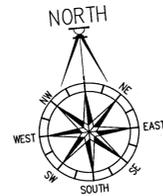
BRIMWOOD CIRCLE - PLAN / PROFILE

REVISION NUMBER	DATE	DESCRIPTION
1	03/10/09	FINAL DRAINAGE COMMENT REVISIONS
2	03/20/09	ECUA COMMENT REVISIONS
3	03/21/09	ESCAMBAR COUNTY COMMENT REVISIONS

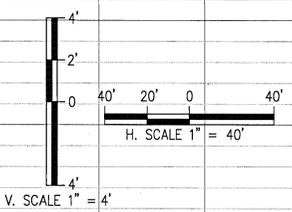
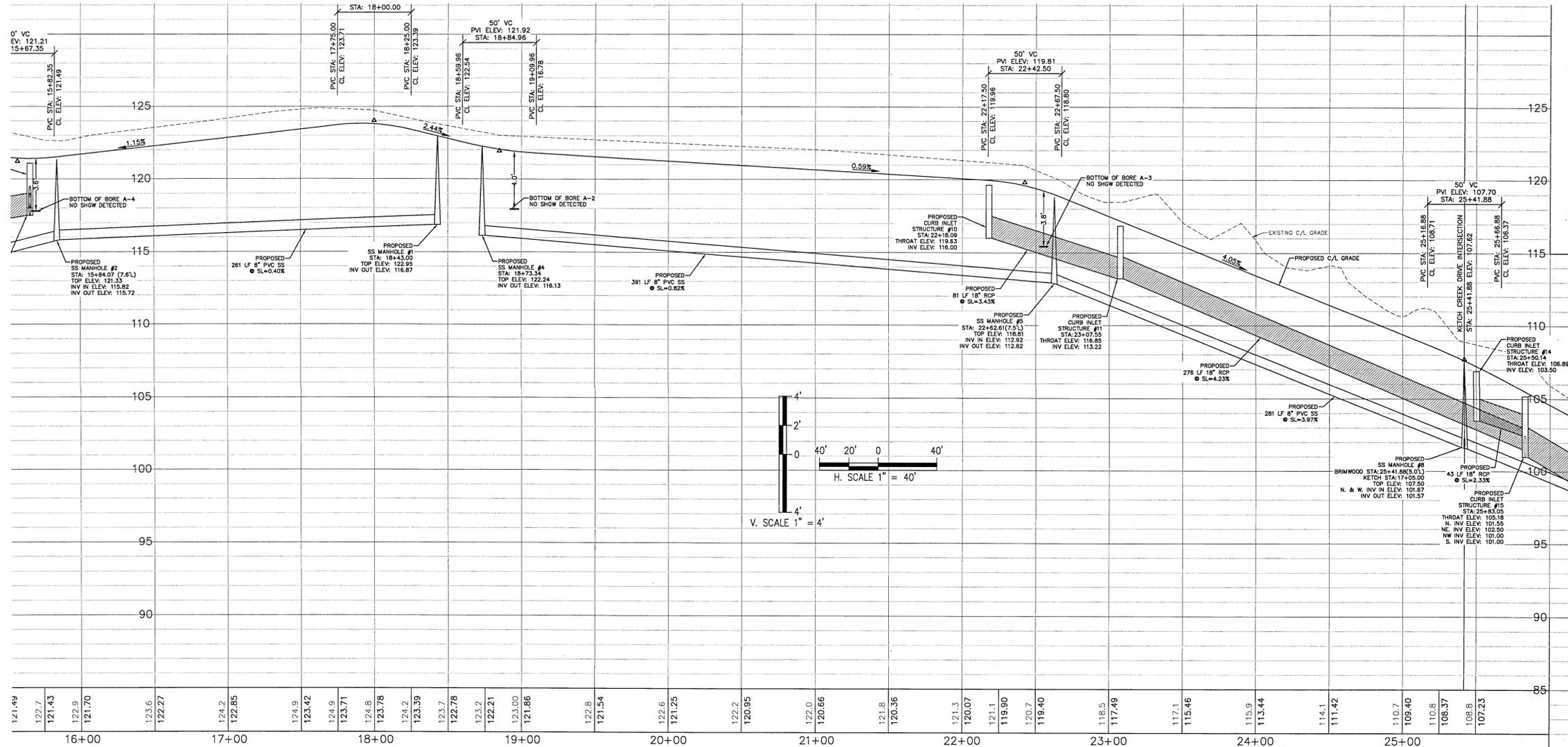
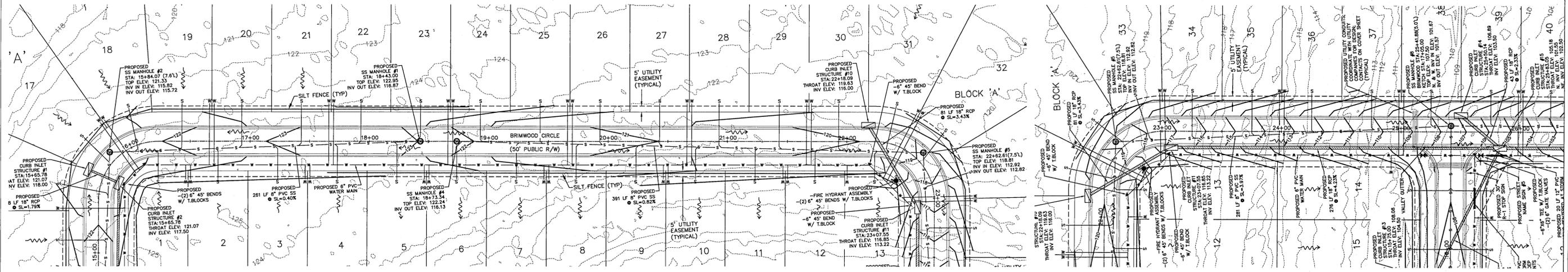
DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK

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

PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET: C13 OF C40



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121.49	122.7	122.1	122.7	122.6	124.2	122.85	124.9	123.42	124.9	123.71	124.8	123.78	124.2	123.39	123.7	122.76	123.2	122.21	123.00	121.86	122.8	121.54	122.6	121.25	122.2	120.95	122.0	120.66	121.8	120.36	121.3	120.07	121.1	119.90	120.7	119.40	118.5	117.49	117.1	115.46	115.9	113.44	114.1	111.42	110.7	109.40	110.8	108.37	108.8	107.23		
16+00	16+43	16+70	17+00	17+27	17+54	17+81	18+08	18+35	18+62	18+89	19+16	19+43	19+70	19+97	20+24	20+51	20+78	21+05	21+32	21+59	21+86	22+13	22+40	22+67	22+94	23+21	23+48	23+75	24+02	24+29	24+56	24+83	25+10	25+37	25+64	25+91	26+18	26+45	26+72	26+99	27+26	27+53	27+80	28+07	28+34	28+61	28+88	29+15	29+42	29+69	29+96	30+23

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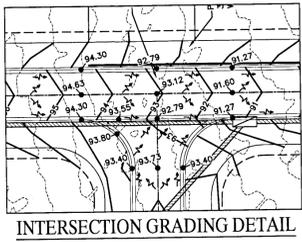
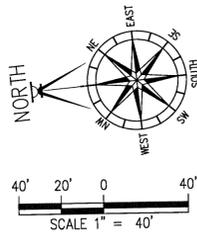
TURTLE CREEK
BRIMWOOD CIRCLE - PLAN / PROFILE

DATE	REVISION
2/2/25	FOOT DRAINAGE COMMENTS REVISIONS
2/26/21	ECUA COMMENT REVISIONS
3/1/21	ESCAMBIA COUNTY COMMENT REVISIONS

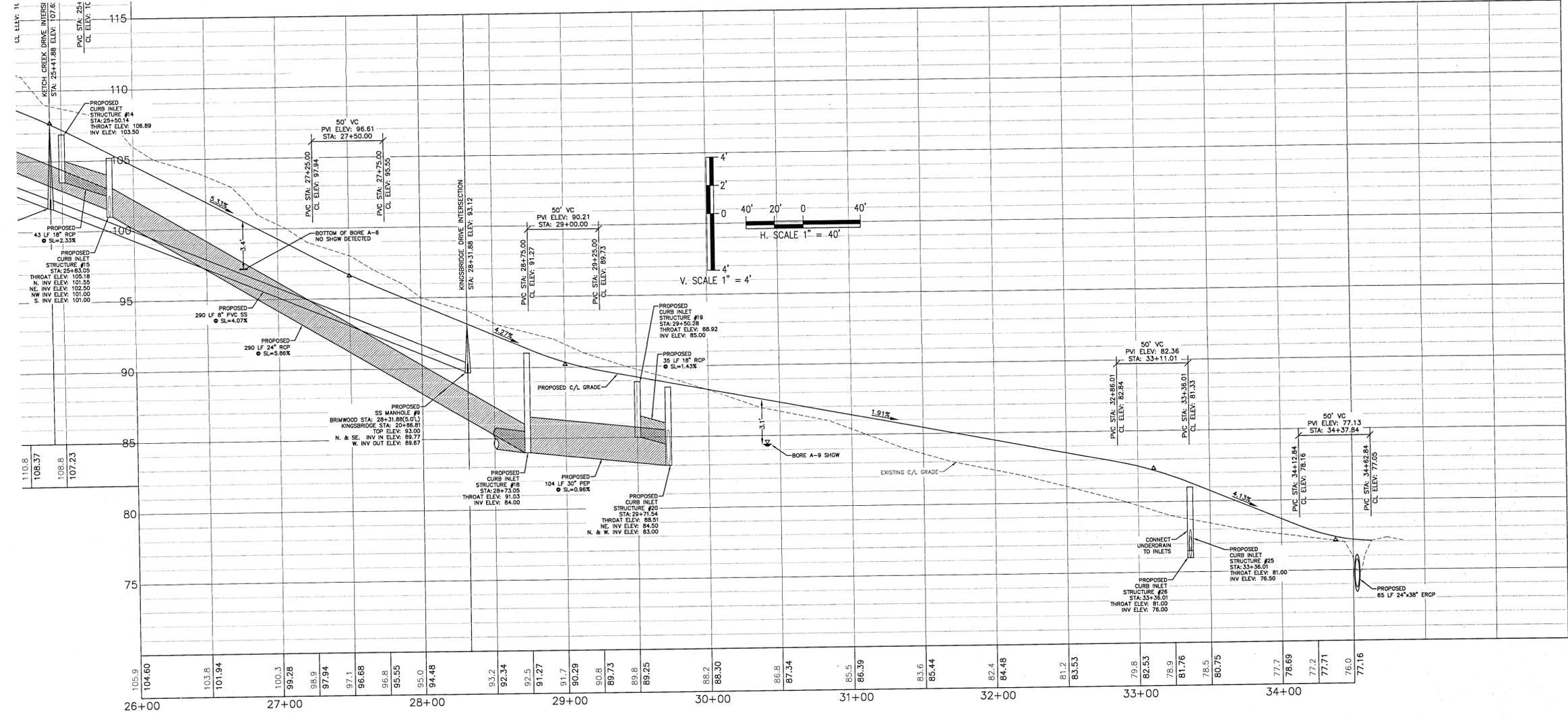
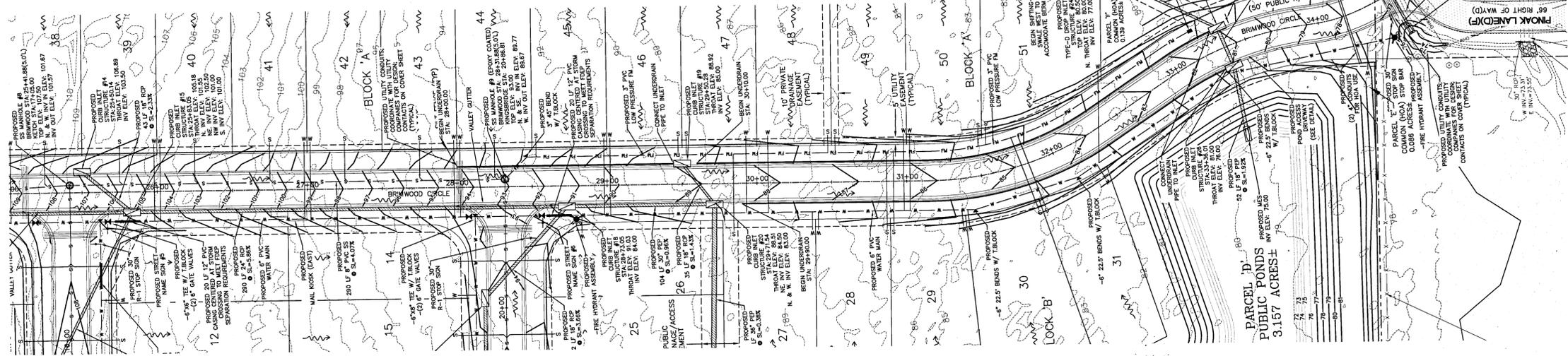
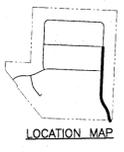
DRAWN BY:
A. BURKETT
DESIGNED BY:
D. FITZPATRICK



PROJECT NUMBER: **18-039**
PLOT DATE: **3/31/21**
SHEET **C14** OF **C40**



ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL;
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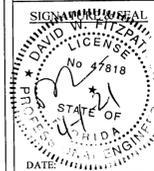
DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00009423
10250 WOODRIDGE PARKWAY STREET
PENSACOLA, FL 32514
PH: (850)776-8677 FAX: (850)776-7708

TURTLE CREEK

BRIMWOOD CIRCLE - PLAN / PROFILE

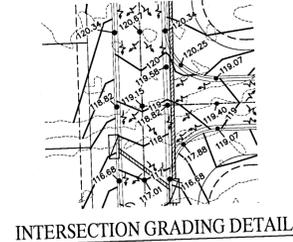
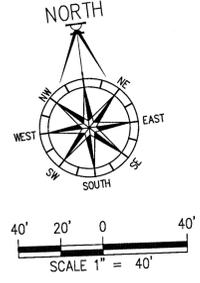
DATE	REVISION	BY
12/14/20	1	AD
	2	AD
	3	AD

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

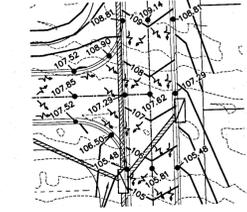
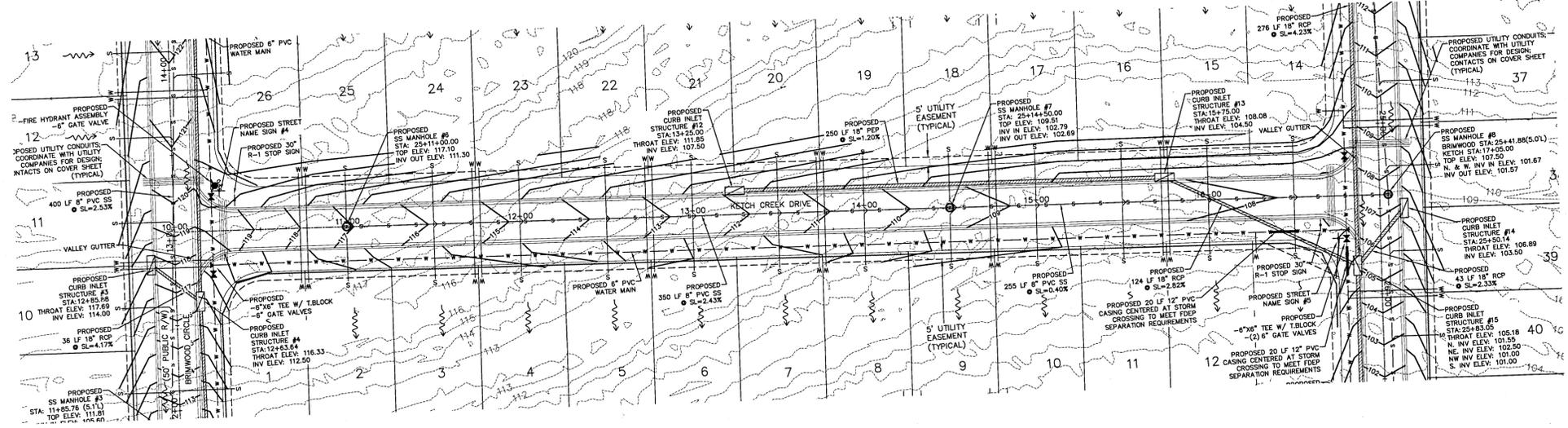


PROJECT NUMBER: 18-039
PLOT DATE: 3/31/21
SHEET C15 OF C40

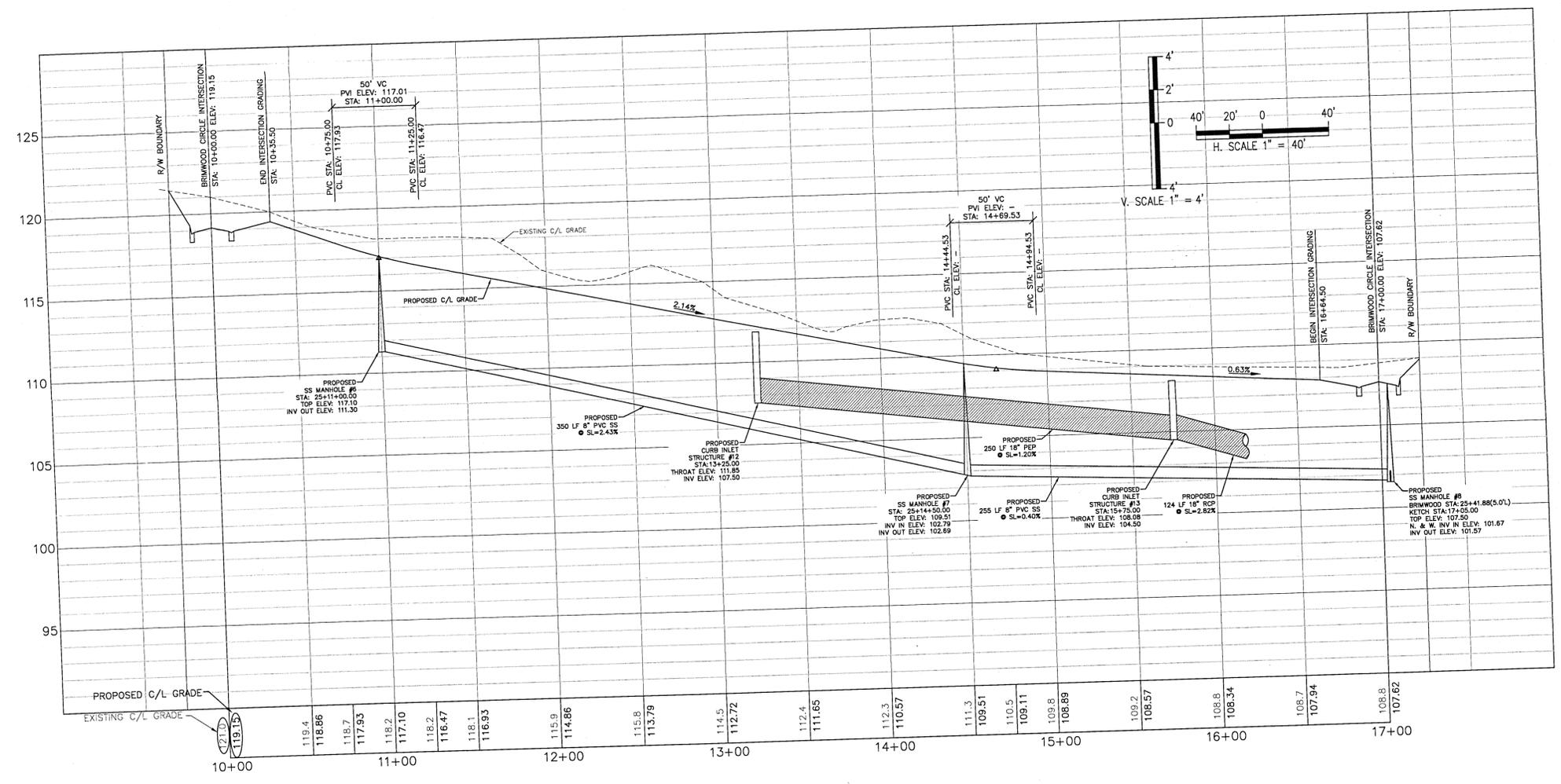
ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL; ALL POTABLE WATER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF COTTAGE HILL WATER WORKS SPECIFICATIONS.



INTERSECTION GRADING DETAIL



INTERSECTION GRADING DETAIL



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 W. PALM BLVD., SUITE 300
 PENSACOLA, FL 32534
 PH: (850) 478-8877 FAX: (850) 478-7708

TURTLE CREEK
 KETCH CREEK DRIVE - PLAN / PROFILE

DATE	REVISION	BY	DESCRIPTION
03/31/21	1	AWB	FINAL DRAINAGE COMMENT REVISIONS
03/31/21	2	AWB	ECUA COMMENT REVISIONS
03/31/21	3	AWB	LEGASARIA COUNTY COMMENT REVISIONS

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

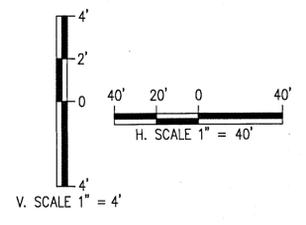
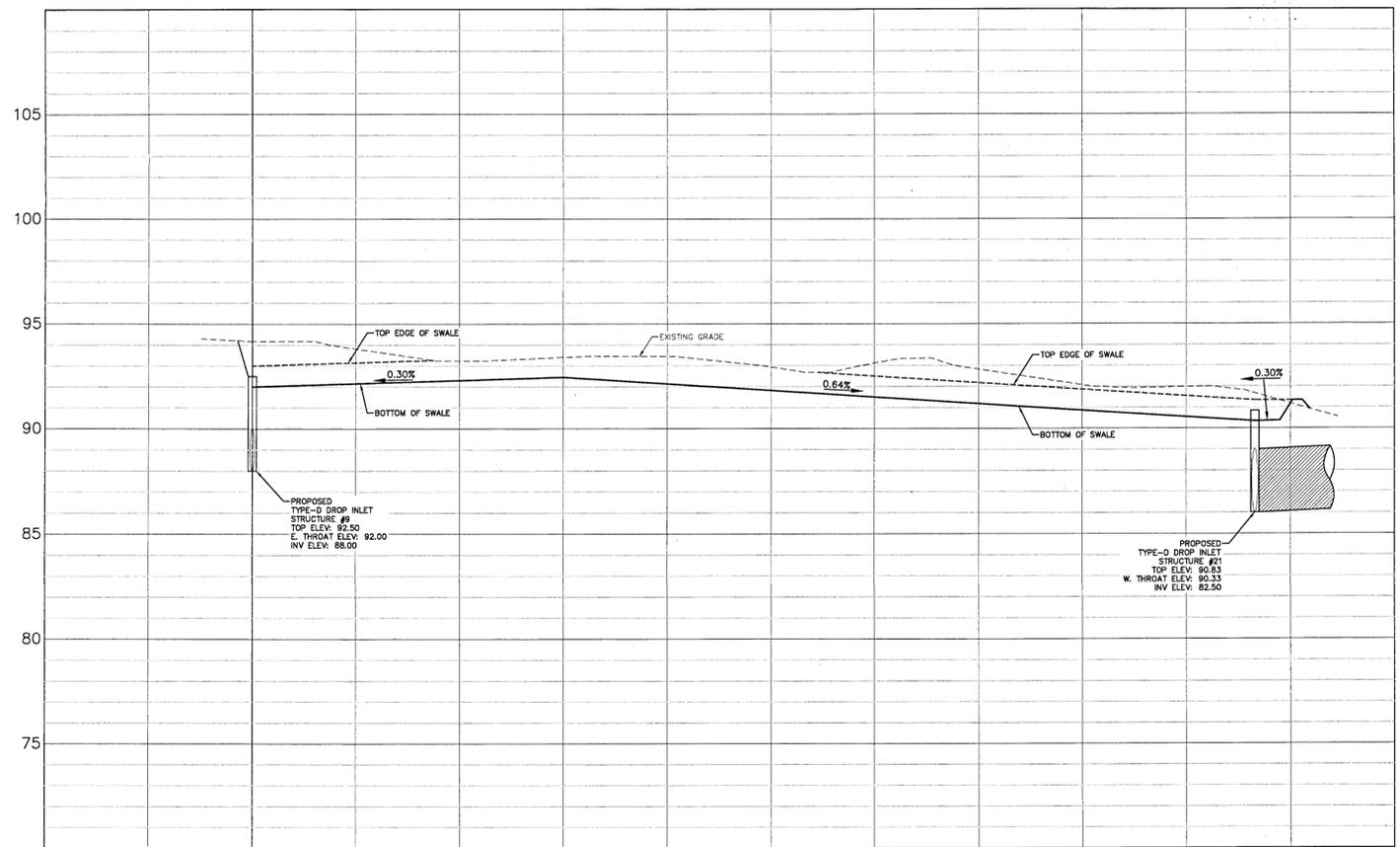
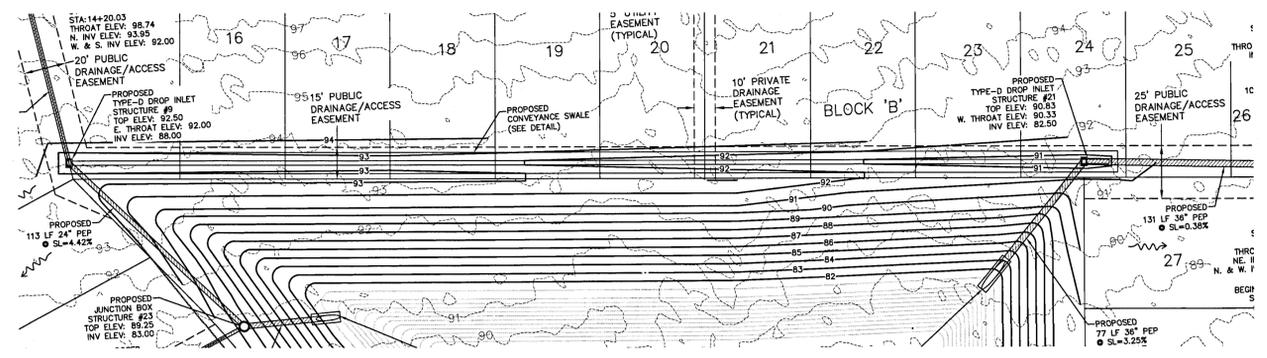
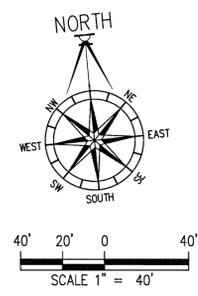
SIGNATURE & SEAL

PROJECT NUMBER: 18-039

PLOT DATE: 3/31/21

SHEET C16 OF C40

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



DAVID W. FITZPATRICK
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 10250 NORTH PALMCOX STREET
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TURTLE CREEK

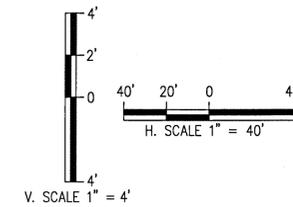
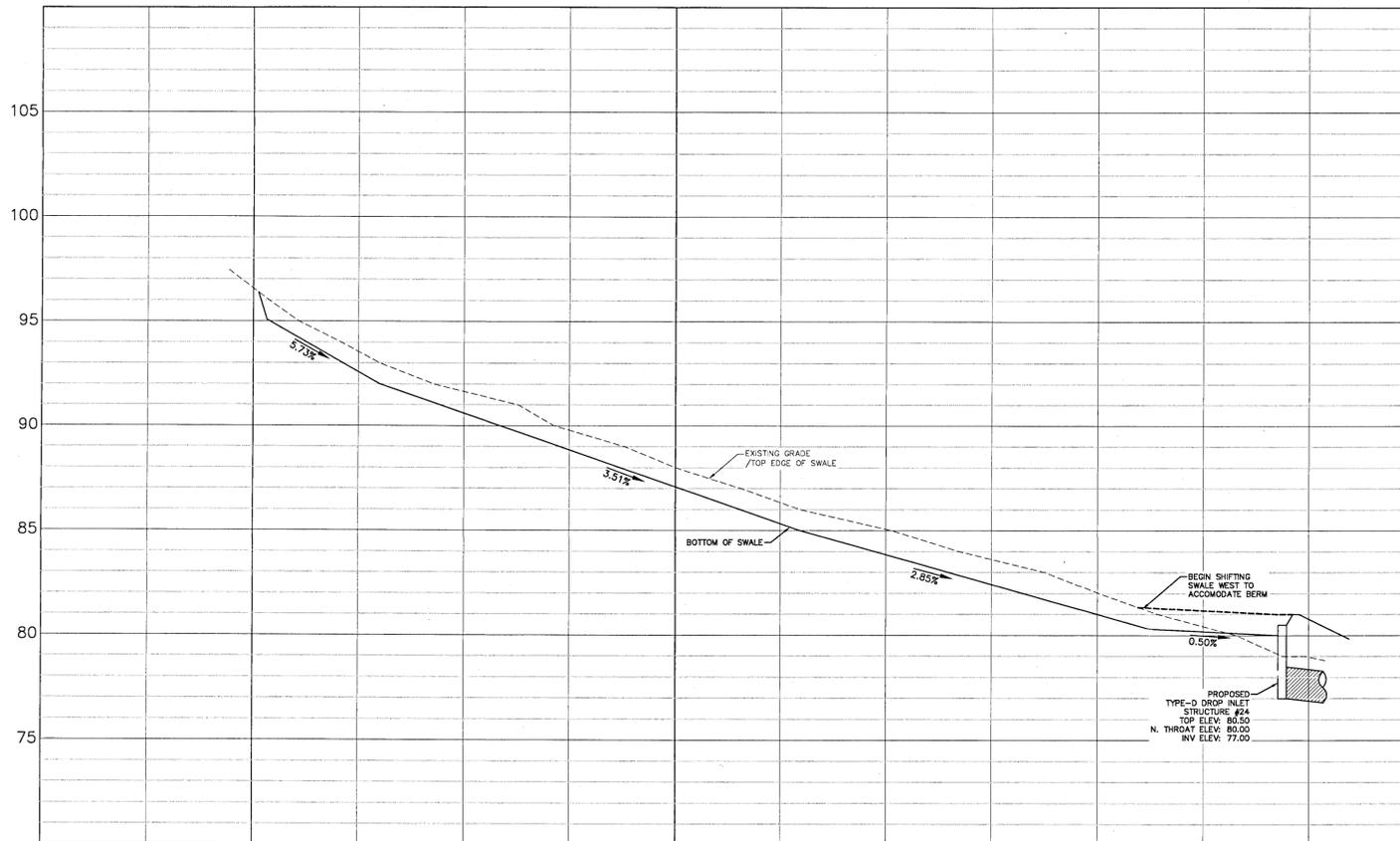
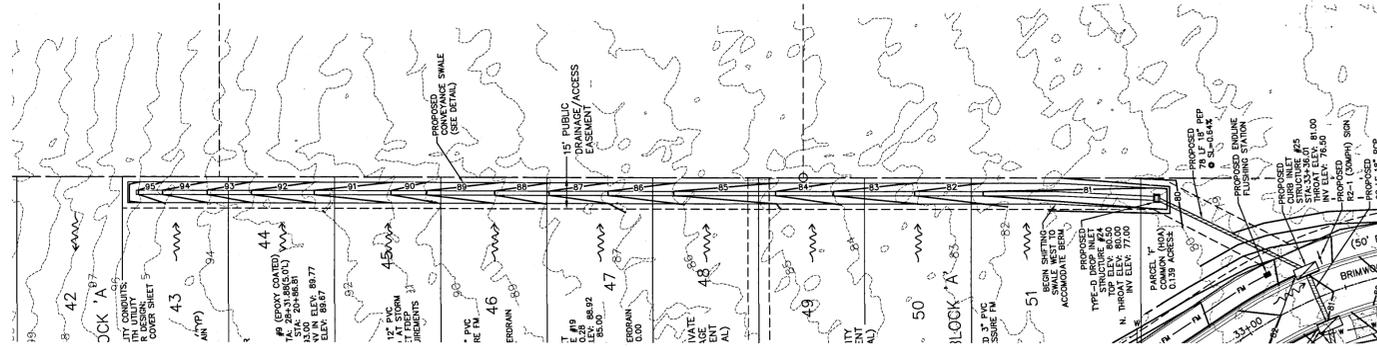
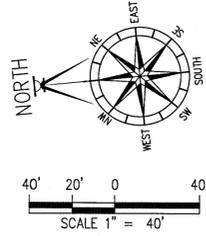
PLAN / PROFILE - CONVEYANCE SWALE (POND #1)

DATE	REVISION	DESCRIPTION
12/18/19	1	PROJECT DRAINAGE COMMENT REVISIONS
2/26/21	2	ECUA COMMENT REVISIONS
3/15/21	3	DECAHALL COUNTY COMMENT REVISIONS

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



PROJECT NUMBER: **18-039**
 PLOT DATE: **3/31/21**



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALMWAY STREET
 PENSACOLA, FL 32534
 PH: (904)76-8677 FAX: (904)76-7708

TURTLE CREEK

PLAN / PROFILE - CONVEYANCE SWALE (EAST)

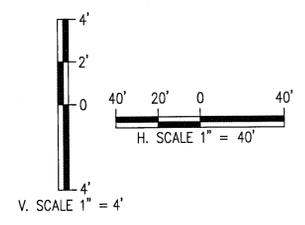
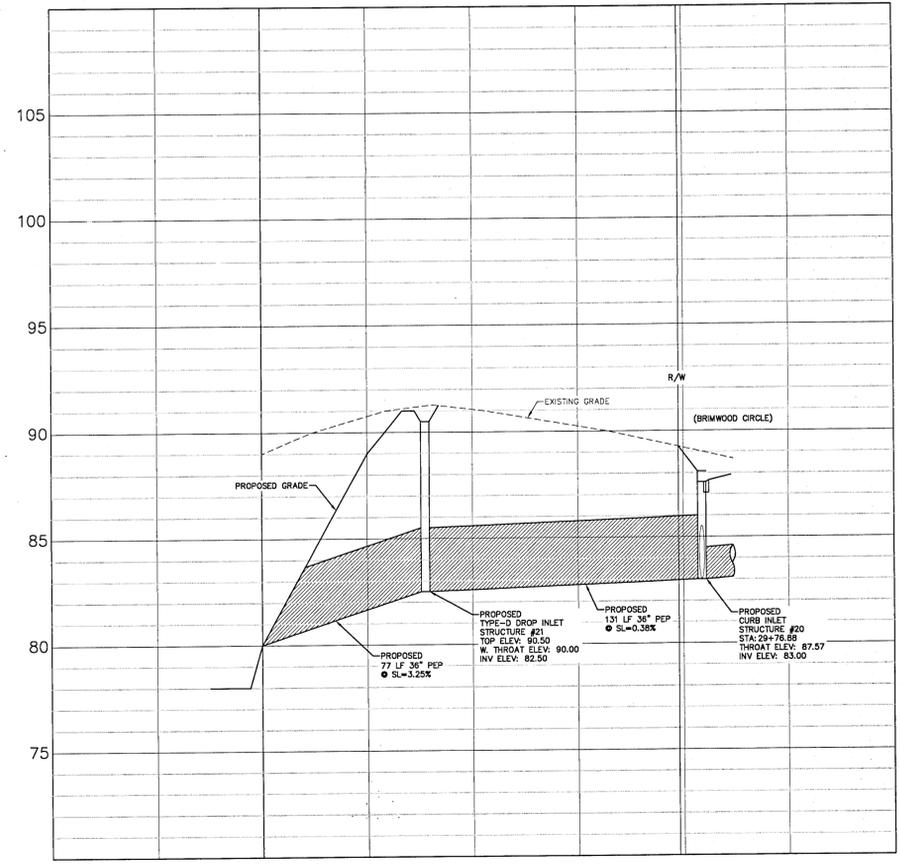
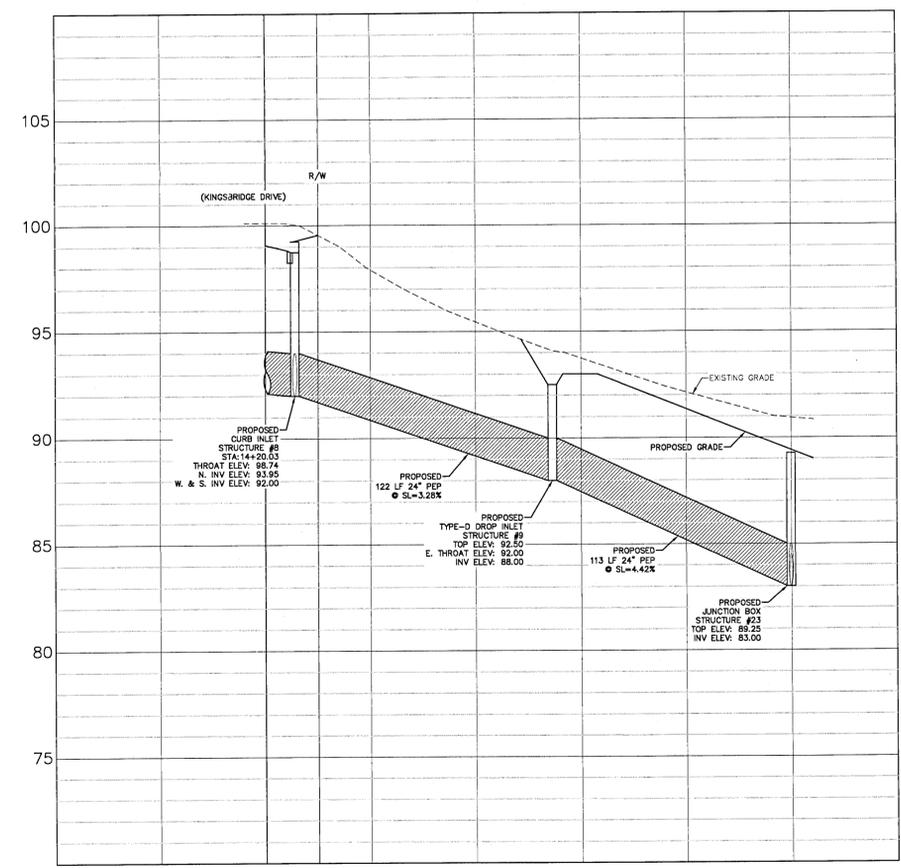
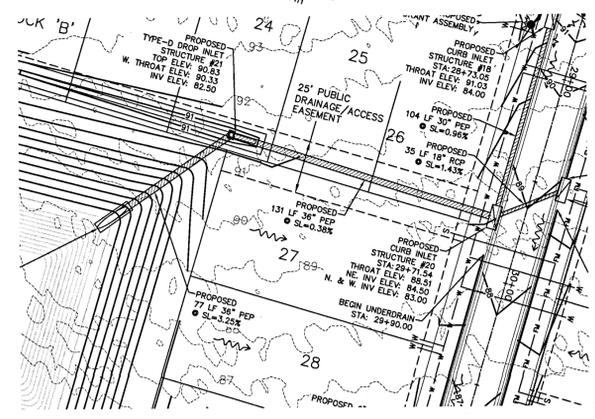
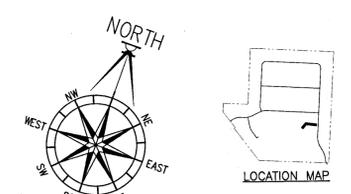
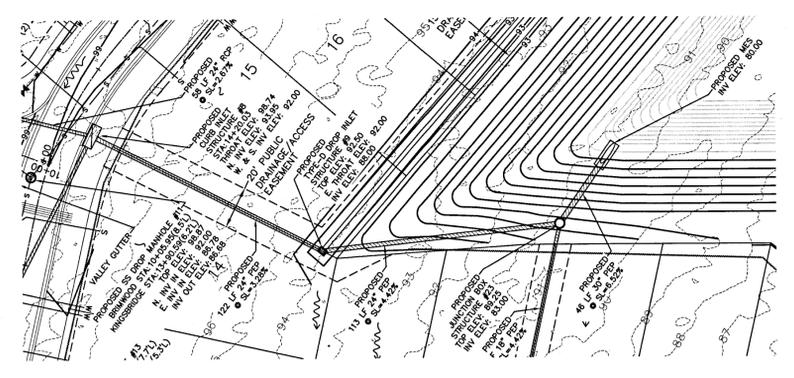
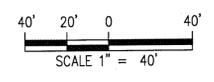
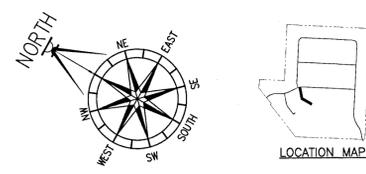
DATE	REVISION
12/14/20	POST DRAINAGE COMMENT REVISIONS
2/26/21	ECUA COMMENT REVISIONS
3/11/21	ESCAMBIA COUNTY COMMENT REVISIONS

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



PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21

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



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 PH: (850)476-8877 FAX: (850)476-7708

TURTLE CREEK
 MISC STORMWATER - PLAN / PROFILE

DATE	REVISION

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

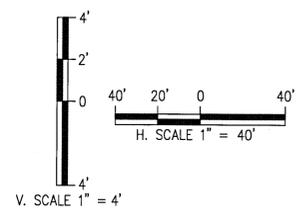
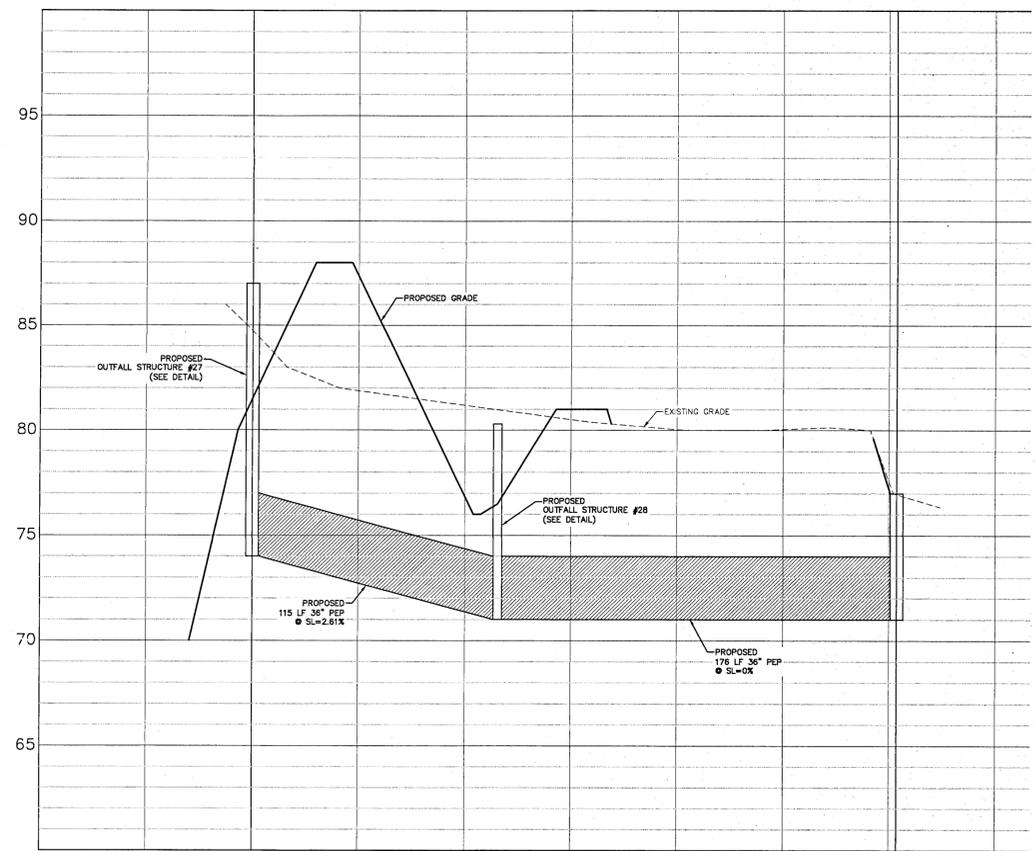
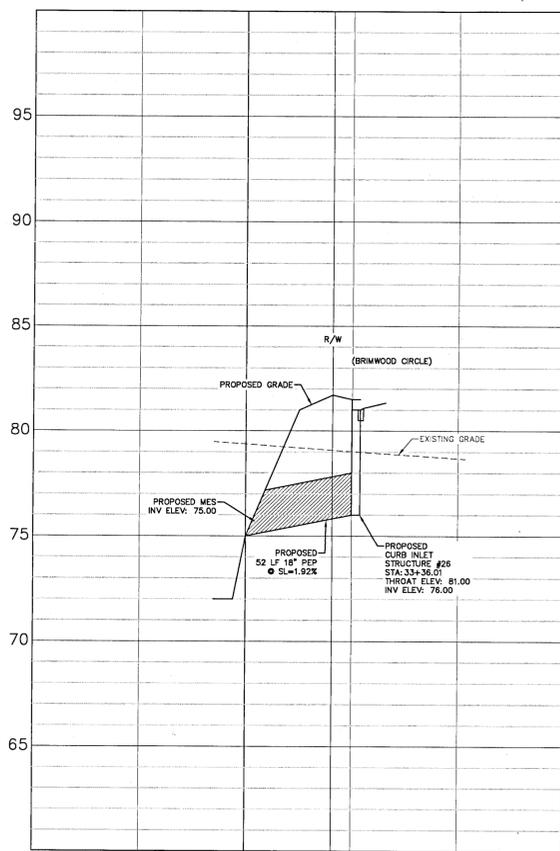
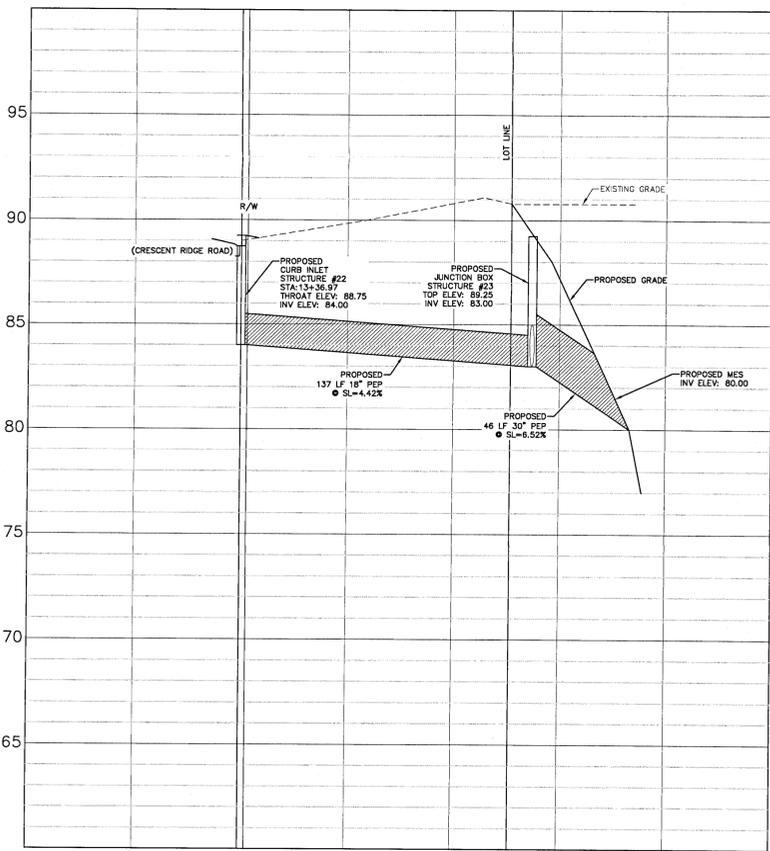
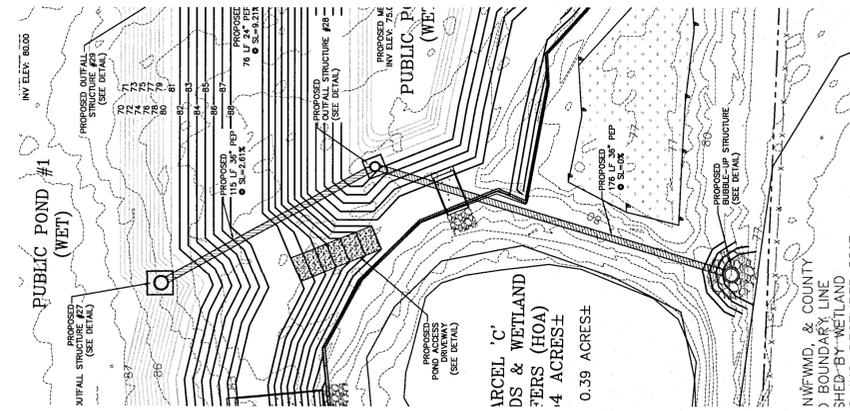
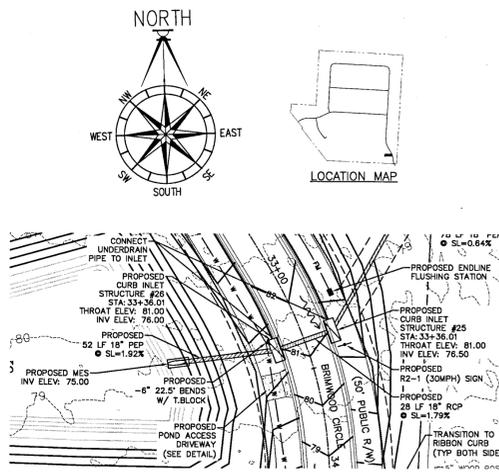
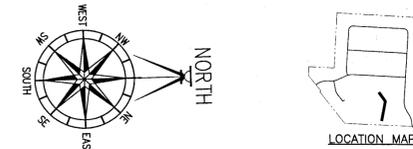
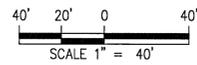
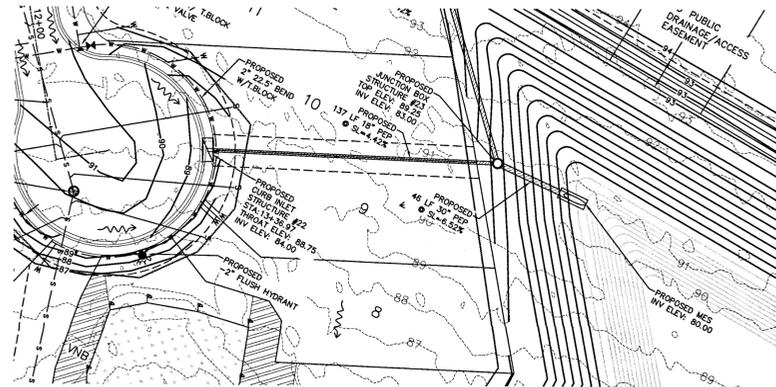
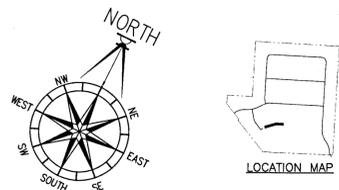
PROJECT NUMBER: 181100

DATE: 3/31/21

SHEET C19 OF C40

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

DAVID W. FITZPATRICK
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 PENSACOLA, FL 32534
 PH: (850)476-8677 FAX: (850)476-7708



TURTLE CREEK
 MISC. STORMWATER - PLAN / PROFILE

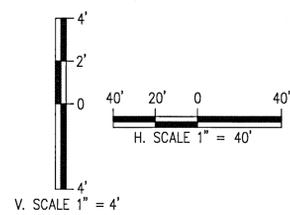
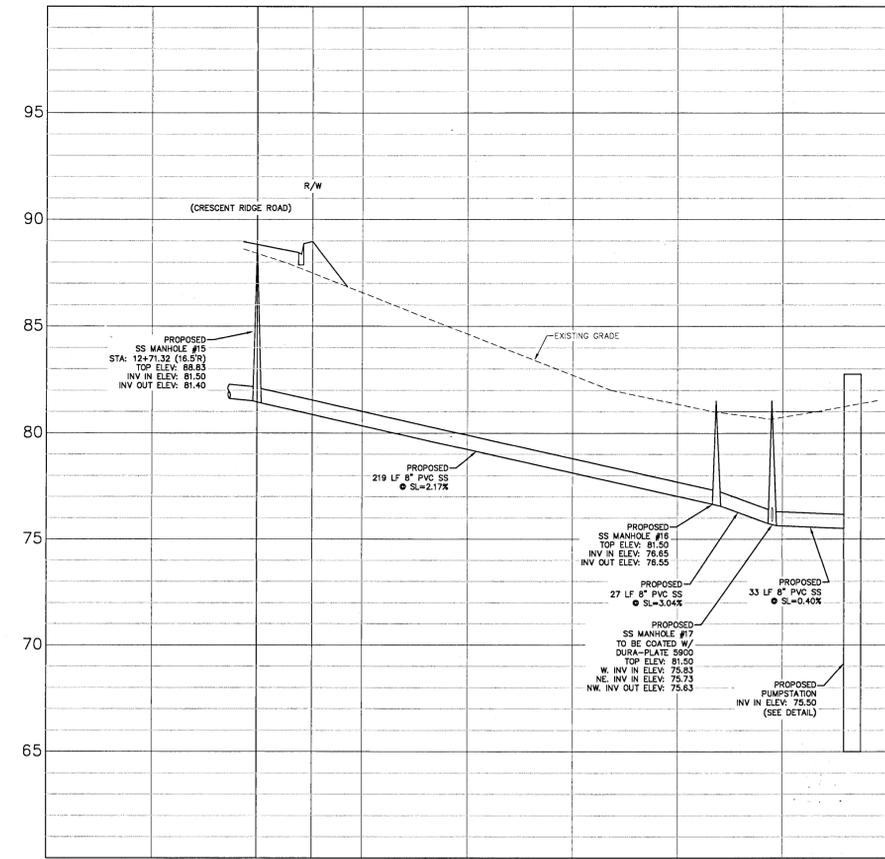
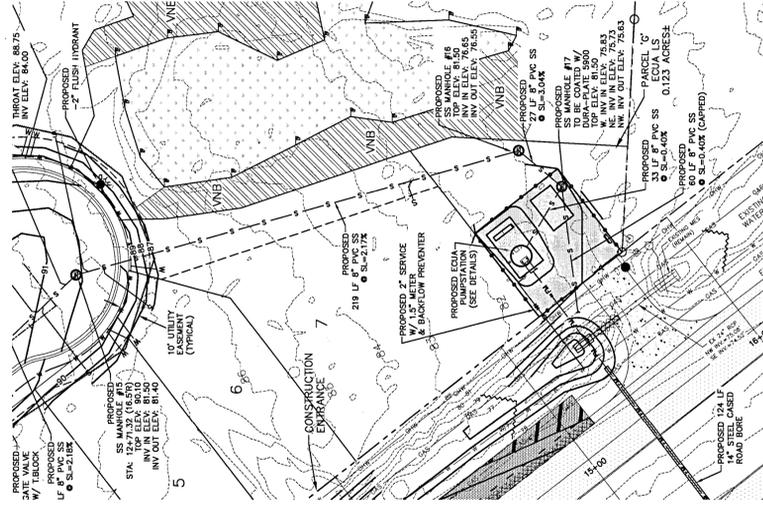
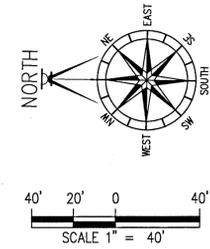
DATE	REVISION
12/20/20	PROF DRAINAGE COMMENT REVISIONS
2/26/21	ECUA COMMENT REVISIONS
3/11/21	ESCAMBAR COUNTY COMMENT REVISIONS

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

SIGNATURE & SEAL

 DATE: 3/31/21
 PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C20 OF C40

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 WORKS SPECIFICATIONS.



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 PENSACOLA, FL 32534
 PH: (850)476-8677 FAX: (850)476-7708

TURTLE CREEK
 MISC. SANITARY SEWER - PLAN / PROFILE

REVISION	DATE	BY
1	03/10/21	
2	03/23/21	
3	03/23/21	

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



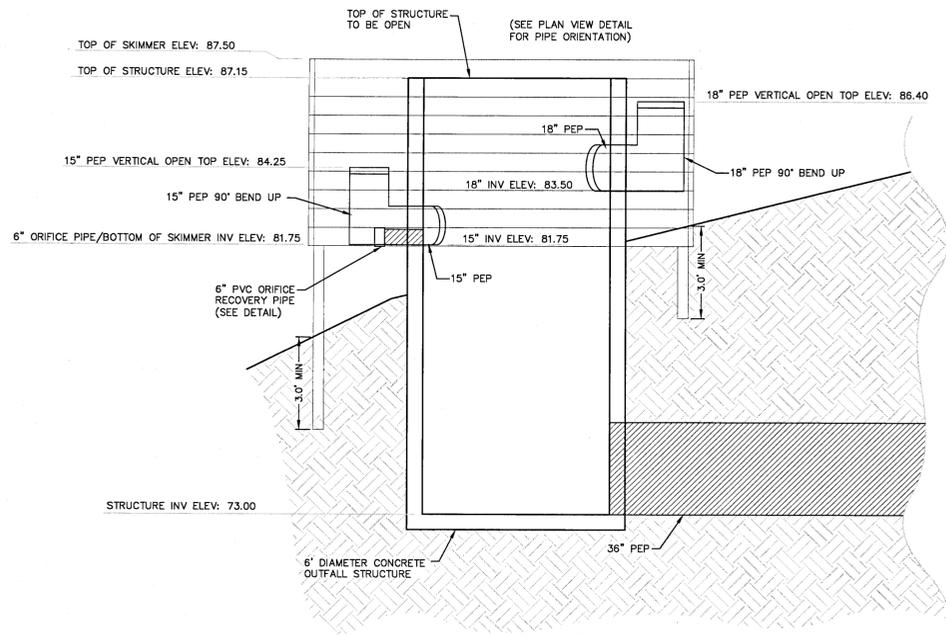
PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C21 OF C40

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

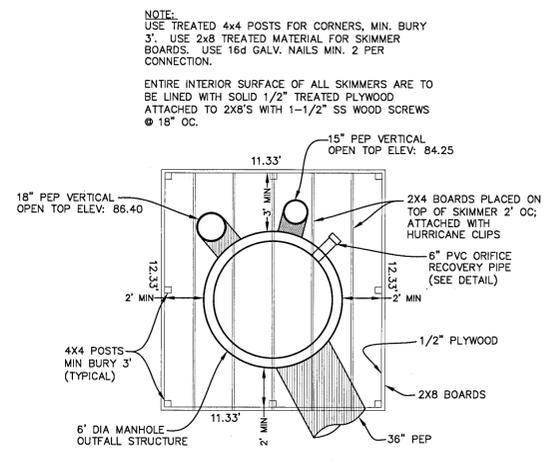
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10000 N. W. 11th Street
 FORT LAUDERDALE, FL 33334
 PH: (850) 476-8677 FAX: (850) 476-7708

TURTLE CREEK

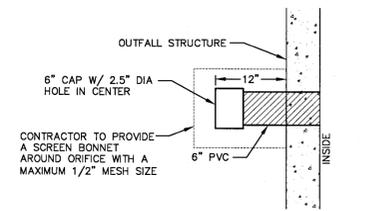
WET DETENTION POND #1 DETAILS



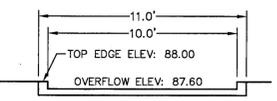
OUTFALL STRUCTURE #27 DETAIL (PROFILE)
NTS



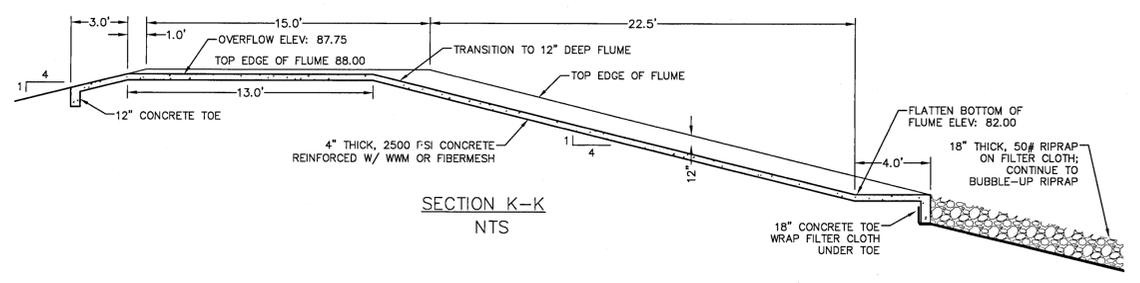
OUTFALL STRUCTURE #27 DETAIL (PLAN)
NTS



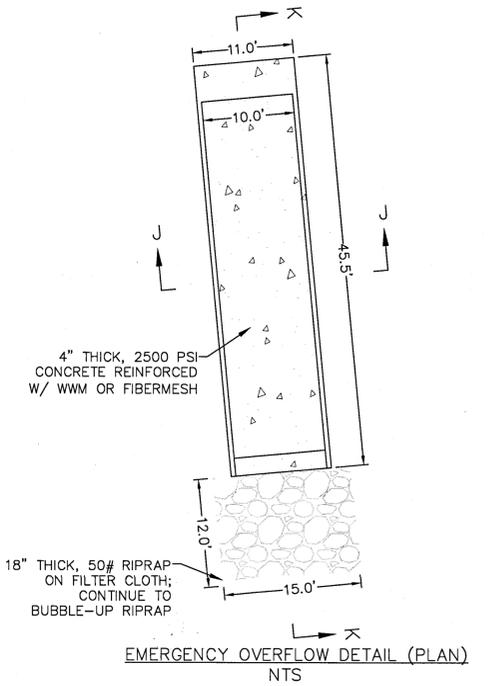
ORIFICE RECOVERY PIPE DETAIL
NTS



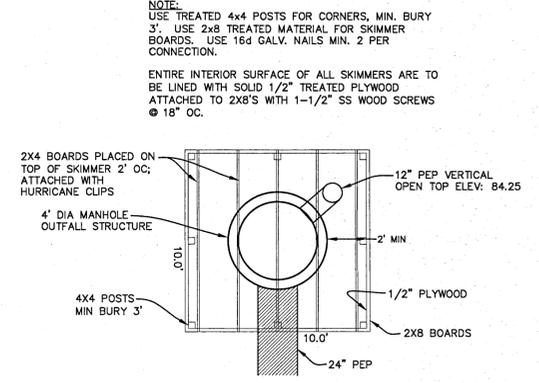
SECTION J-J
NTS



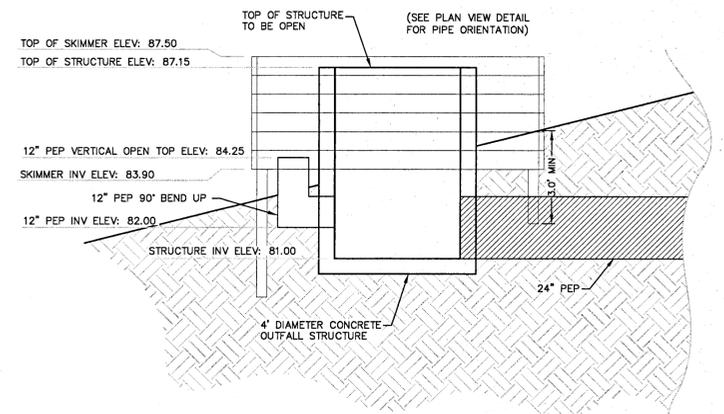
SECTION K-K
NTS



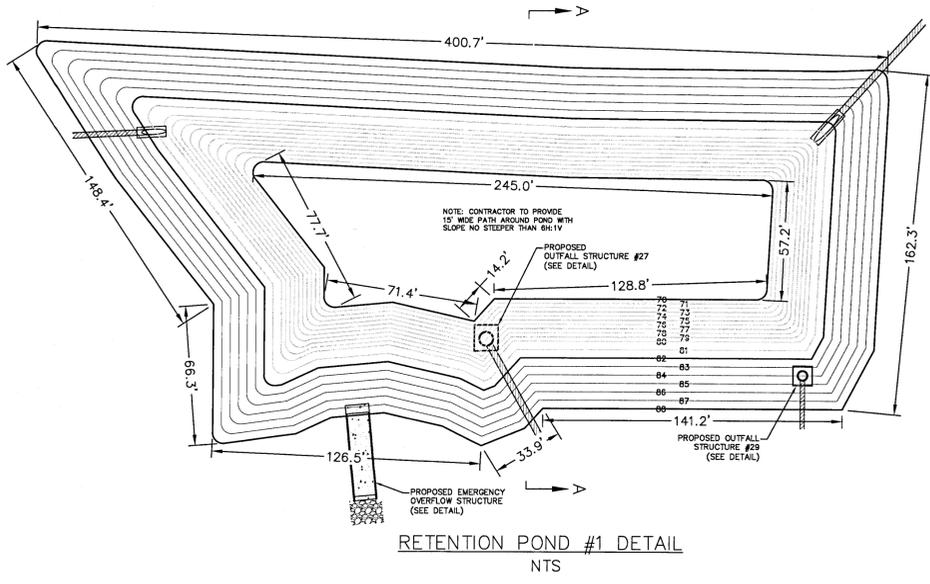
EMERGENCY OVERTFLOW DETAIL (PLAN)
NTS



OUTFALL STRUCTURE #29 DETAIL (PLAN)
NTS

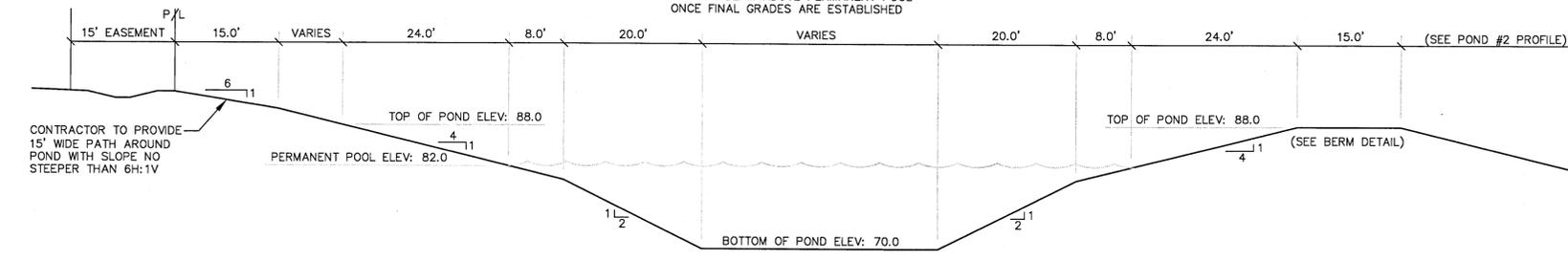


OUTFALL STRUCTURE #29 DETAIL (PROFILE)
NTS

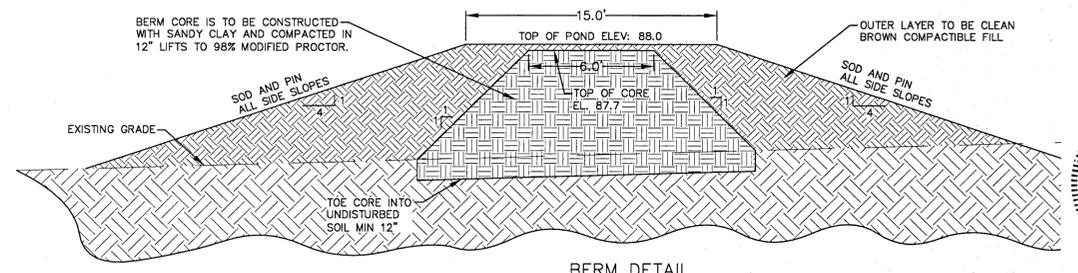


RETENTION POND #1 DETAIL
NTS

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



SECTION A-A
NTS



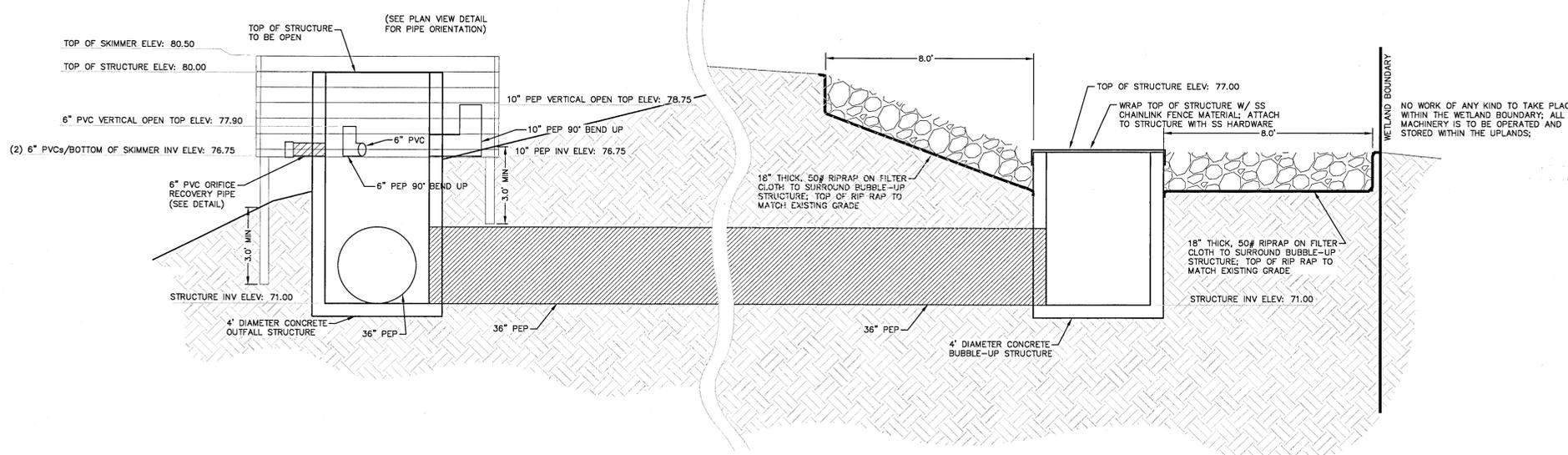
BERM DETAIL
NTS

DATE	BY	REVISION
03/21/21	A. BURKETT	POST PARADISE COMUNITY REVISION
2/26/21	D. FITZPATRICK	ECUA COMMENT REVISIONS
3/17/21	D. FITZPATRICK	ESCAMBIA COUNTY COMMENT REVISIONS

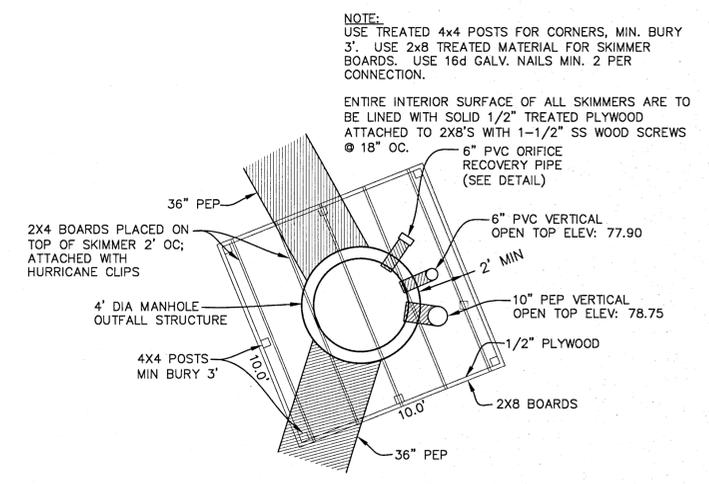
DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK
 SIGNATURE & SEAL: DAVID W. FITZPATRICK, No. 47818, STATE OF FLORIDA, PROFESSIONAL ENGINEER
 PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET: C23 OF C40

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

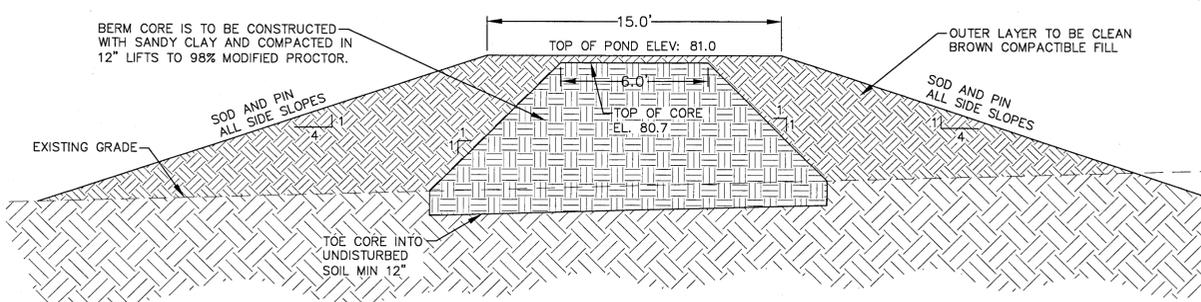
DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10250 NORTH PALMBOX STREET
 PENSACOLA, FL 32534
 PH: (850)476-8677 FAX: (850)476-7708



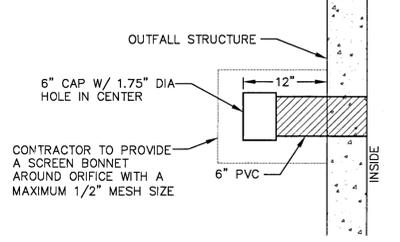
OUTFALL DETAIL (PROFILE)
 NTS



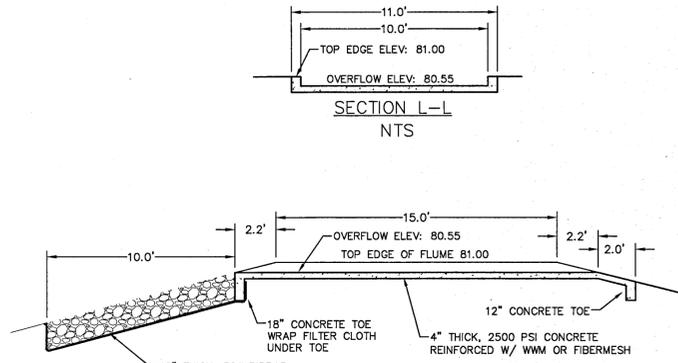
OUTFALL DETAIL (PLAN)
 NTS



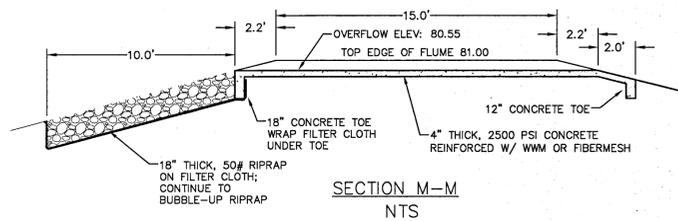
BERM DETAIL
 NTS



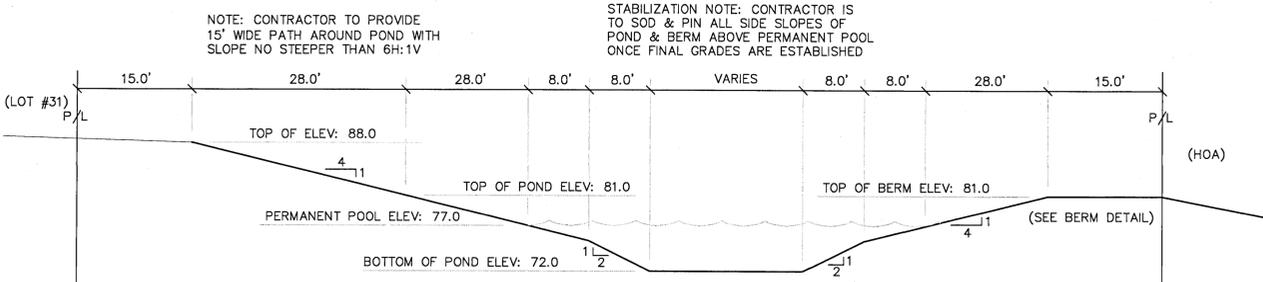
ORIFICE RECOVERY PIPE DETAIL
 NTS



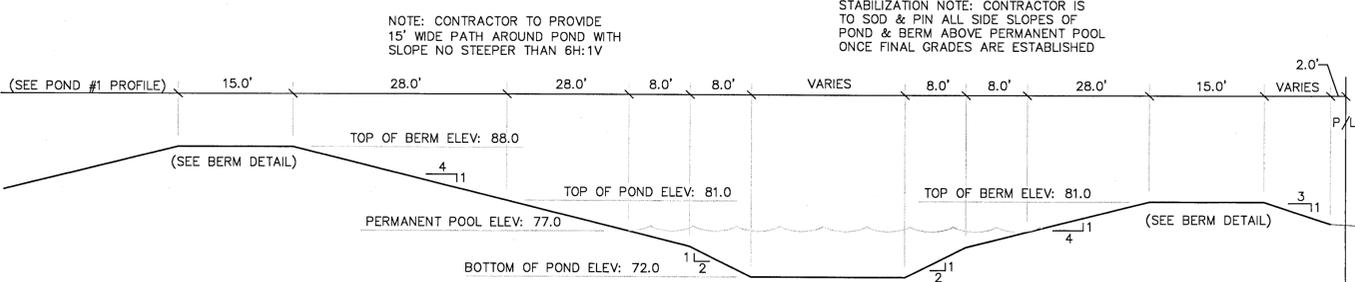
SECTION L-L
 NTS



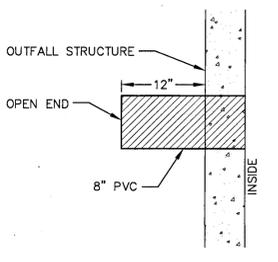
SECTION M-M
 NTS



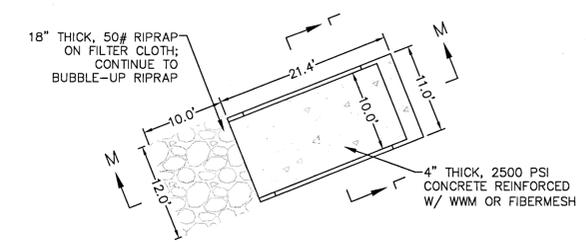
SECTION C-C
 NTS



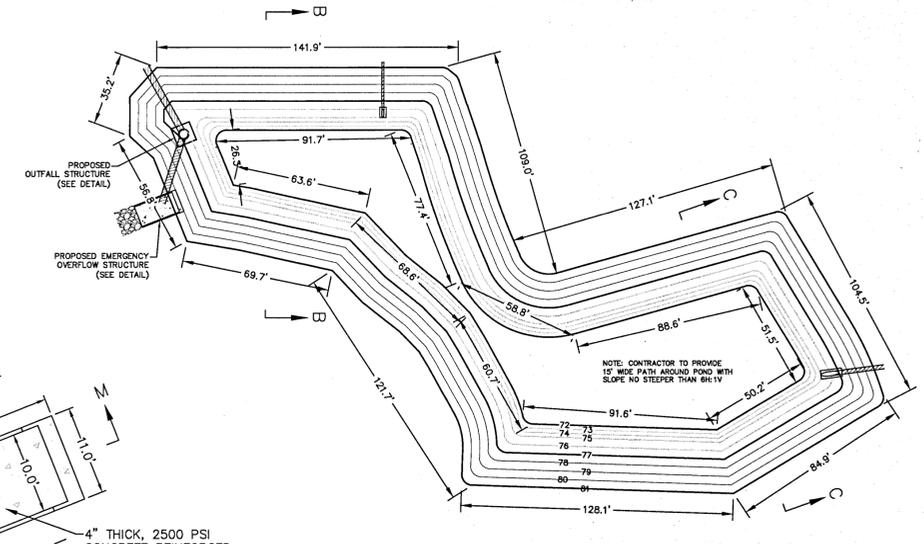
SECTION B-B
 NTS



DISCHARGE PIPE DETAIL
 NTS



EMERGENCY OVERFLOW DETAIL (PLAN)
 NTS



RETENTION POND #2 DETAIL
 NTS

TURTLE CREEK

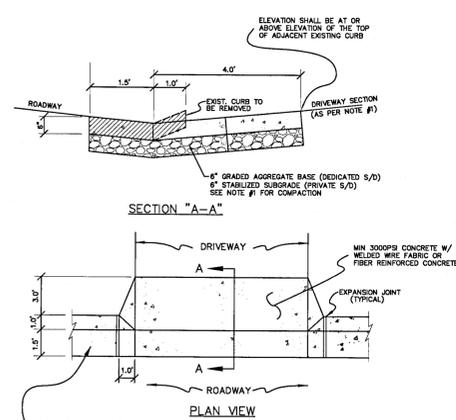
WET DETENTION POND #2 DETAILS

DATE	REVISION
2/24/21	PROPOSED ECUA COMMENT REVISIONS
2/26/21	ECUA COMMENT REVISIONS
3/1/21	ENCUMBER COUNTY COMMENT REVISIONS

DRAWN BY:	A. BURKETT
DESIGNED BY:	D. FITZPATRICK
SIGNATURE & SEAL	
PROJECT NUMBER:	18-039
PLOT DATE:	3/31/21
SHEET:	C24 OF C40

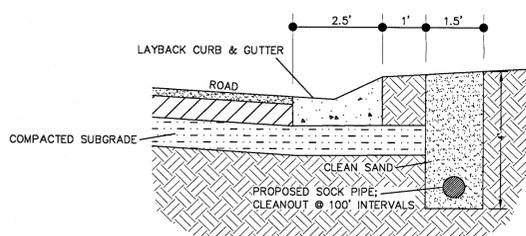
NOTES:

- 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 ~ 95% 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.O.T. INDEX DETAILS.
- DRIVEWAYS WITHIN PROPERTY BOUNDARY SHALL PROVIDE A MINIMUM OF 2 PARKING SPACES.
- TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM.



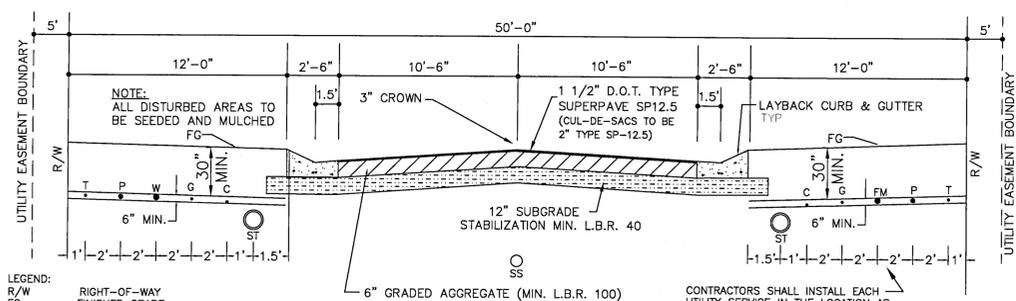
POND ACCESS DRIVEWAY CONNECTION
NTS

IN ADDITION TO WHAT IS CALLED OUT, 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 DETERMINATION OF ROADSIDE UNDERDRAIN INSTALLATION REQUIREMENTS OR UNDERCUTTING AND SELECT MATERIAL PLACEMENTS.

ROADSIDE UNDERDRAIN DETAIL
NTS

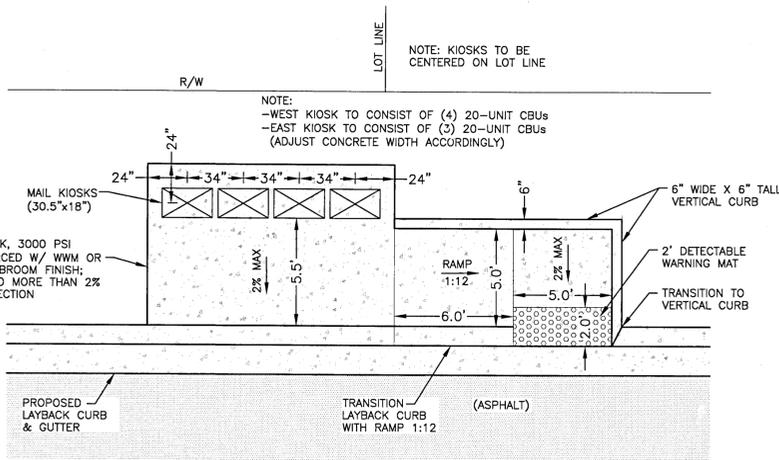


- LEGEND:
- R/W RIGHT-OF-WAY
 - FG FINISHED GRADE
 - CL CENTERLINE
 - W WATER
 - SS SANITARY SEWER
 - FM FORCE MAIN
 - G GAS MAIN
 - ST STORM SEWER
 - P UNDERGROUND POWER
 - T UNDERGROUND TELEPHONE CABLE
 - C UNDERGROUND TELEVISION CABLE

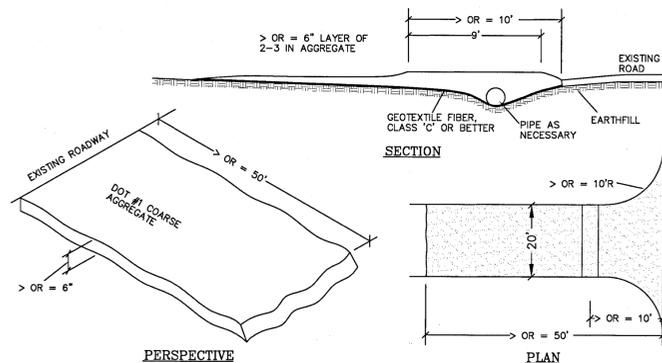
NOTE: ALL UTILITIES WITHIN THE RIGHT OF WAY SHALL HAVE A MIN. COVER OF 30 INCHES FROM FINISHED GRADE.

COMPACTION NOTE: ALL BACKFILL COMPACTION IS TO MEET OR EXCEED THE MINIMUM REQUIREMENTS NOTED WITHIN THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

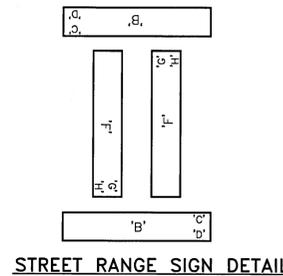
COMMON TRENCH DETAIL/ROAD CROSS SECTION
NOT TO SCALE



MAIL KIOSK DETAIL
N.T.S.



CONSTRUCTION ENTRANCE/EXIT PLAN VIEW
NTS

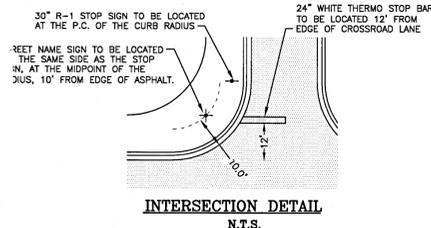


STREET RANGE SIGN DETAIL
NTS

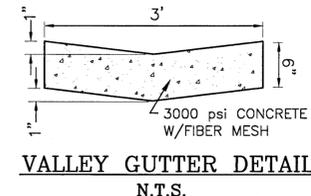
STREET NAME SIGN NUMBER	'b'	'c'	'd'	ORIENTATION	'f'	'g'	'h'	ORIENTATION
1	Hwy 29	-TBD-	-TBD-	NW/SE	Kingsbridge	Dr	-TBD-	NE/SW
2	Kingsbridge	Dr	-TBD-	E/W	Crescent Ridge	Rd	-TBD-	N/S
3	Kingsbridge	Dr	-TBD-	E/W	Brimwood	Cir	-TBD-	N/S
4	Ketch Creek	Dr	-TBD-	E/W	Brimwood	Cir	-TBD-	N/S
5	Ketch Creek	Dr	-TBD-	E/W	Brimwood	Cir	-TBD-	N/S
6	Kingsbridge	Dr	-TBD-	E/W	Brimwood	Cir	-TBD-	N/S
7	Pinook	Ln	-TBD-	E/W	Brimwood	Cir	-TBD-	N/S

STREET RANGE SIGN TABLE

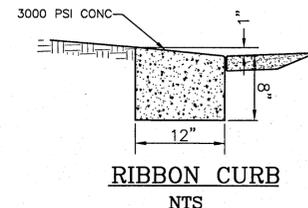
"-TBD-" = TO BE DETERMINED



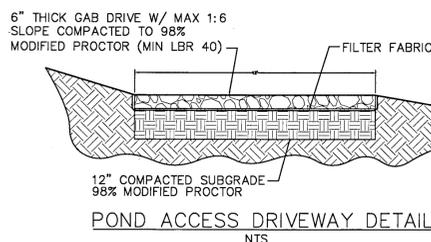
INTERSECTION DETAIL
N.T.S.



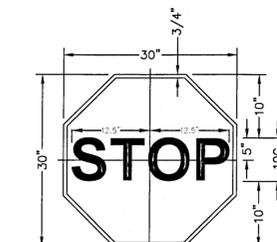
VALLEY GUTTER DETAIL
N.T.S.



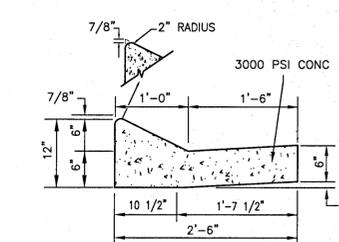
RIBBON CURB
NTS



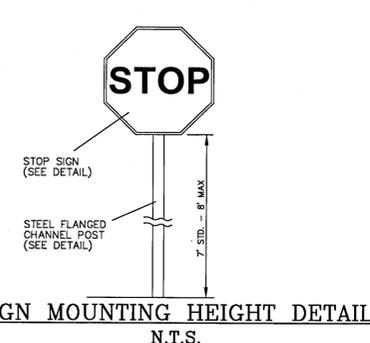
POND ACCESS DRIVEWAY DETAIL
NTS



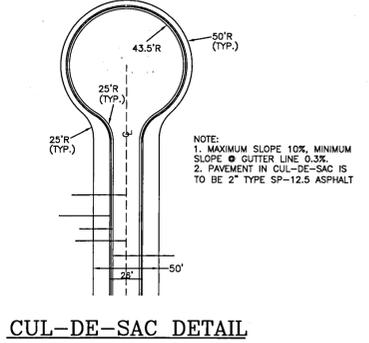
R1-1 SIGN DETAIL
(STOP SIGN)
N.T.S.



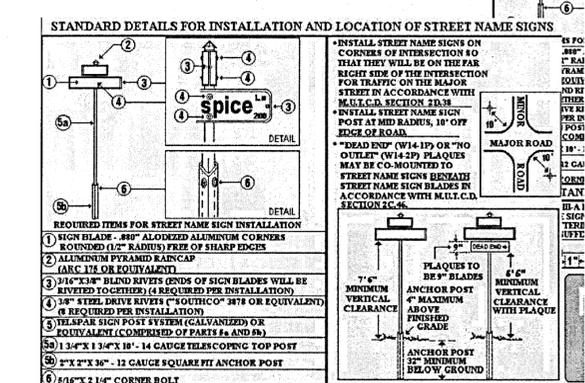
LAYBACK CURB & GUTTER
N.T.S.



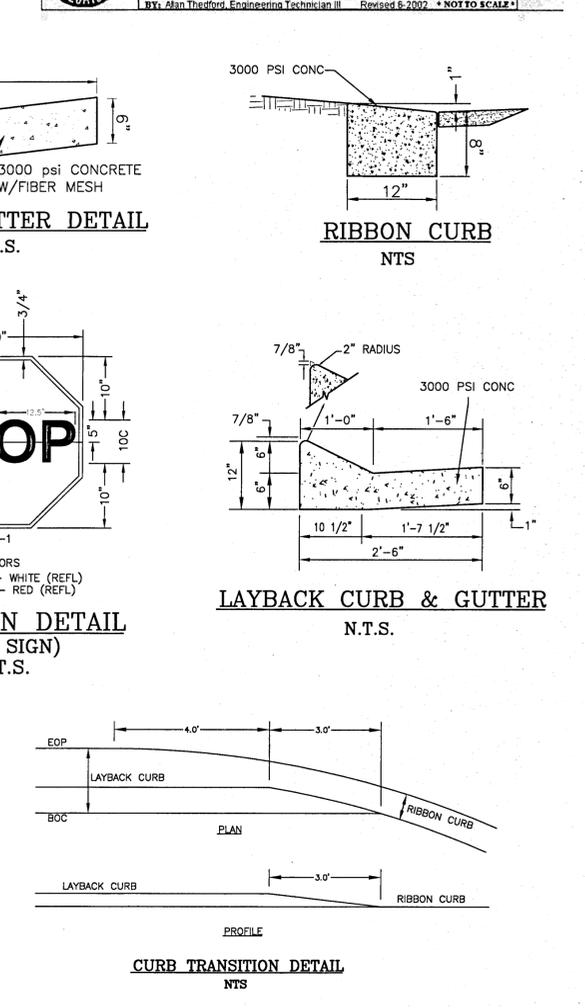
SIGN MOUNTING HEIGHT DETAIL
N.T.S.



CUL-DE-SAC DETAIL
NTS



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 Theford, Engineering Technician III Revised 8/2007 *NOT TO SCALE*



CURB TRANSITION DETAIL
NTS

DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00008423
10290 NORTH PALMAY STREET
PENSACOLA, FL 32534
PH: (904)746-8877 FAX: (904)746-7708

TURTLE CREEK
SITE DETAILS

DATE	REVISION	BY	CHKD
2/20/21	1	A. BURKETT	
3/31/21	2	D. FITZPATRICK	

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

PROJECT NUMBER: 18-039
PLOT DATE: 3/31/21
SHEET C25 OF C40

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 47816
DAVID W. FITZPATRICK

CHLORINE REQUIRED FOR STERILIZATION

PIPE SIZE	SPECIFICATION	I.D. INCHES	GALLS/100'	CHLORINE REQUIRED PER 100' FOR 25ppm	CHLORINE REQUIRED PER 100' FOR 50ppm
2"	D2241 DR26	2.193	20	0.10 oz.	0.20 oz.
3"	D2241 DR26	3.230	43	0.22 oz.	0.44 oz.
4"	C-900 DR18	4.230	73	0.37 oz.	0.75 oz.
6"	C-900 DR25	4.390	79	0.40 oz.	0.81 oz.
6"	C-900 DR18	6.090	151	0.78 oz.	1.55 oz.
6"	C-900 DR25	6.300	162	0.83 oz.	1.66 oz.
8"	C-900 DR18	7.980	260	1.33 oz.	2.67 oz.
8"	C-900 DR25	8.280	280	1.44 oz.	2.87 oz.
12"	C-900 DR18	11.650	554	2.84 oz.	5.69 oz.
12"	C-900 DR25	12.080	595	3.06 oz.	6.12 oz.
16"	C-905 DR18	15.470	977	5.01 oz.	10.03 oz.
16"	C-905 DR25	16.010	1,046	5.37 oz.	10.74 oz.
20"	C-905 DR18	19.200	1,504	7.72 oz.	15.45 oz.
20"	C-905 DR25	19.870	1,611	8.27 oz.	16.55 oz.
24"	C-905 DR18	N/A	N/A	N/A	N/A
24"	C-905 DR25	23.742	2,300	11.81 oz.	23.62 oz.

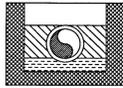
- NOTE:
- 16", 20" AND 24" PIPE SIZES ARE C.I.O.D.
 - FOR HTH WITH 65% AVAILABLE CHLORINE
 - 1 US GALLON WEIGHS 8.345 #
 - APPROX. 1 oz./100 gal FOR 50 ppm
 - APPROX. 0.5 oz./100 gal FOR 25 ppm

CHLORINE REQUIRED FOR STERILIZATION
N.T.S.

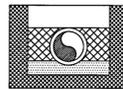


TYPE 1
FLAT-BOTTOM TRENCH, LOOSE EMBEDMENT
E = 50 psf (240 kPa), K = 0.110

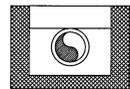
TYPE 2
FLAT-BOTTOM TRENCH, EMBEDMENT LIGHTLY
COMPACTED
E = 200 psf (1,380 kPa), K = 0.110



TYPE 3
PIPE BEDDED ON 4" (100 mm) MINIMUM
OF LOOSE SOIL
E = 400 psf (2,760 kPa), K = 0.102



TYPE 4
PIPE BEDDED ON SAND, GRAVEL, OR CRUSHED
STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4"
(100 mm) MINIMUM, EMBEDMENT COMPACTED
TO TOP OF PIPE (APPROXIMATELY 80% STANDARD
PROCTOR, AEGIS 100% OR AEGIS 1 680)
E = 1,000 psf (6,900 kPa), K = 0.086



TYPE 5
PIPE EMBEDDED IN COMPACTED GRANULAR
MATERIAL TO CENTERLINE OF PIPE, COMPACTED
GRAVEL OR SELECT MATERIAL TO TOP OF PIPE,
(APPROXIMATELY 80% STANDARD PROCTOR,
AEGIS 100% OR AEGIS 1 680)
E = 2,000 psf (13,800 kPa), K = 0.083

NOTE: REQUIRED EMBEDMENT TYPE WILL DEPEND ON THE PIPE'S DIMENSION RATIO, INTERNAL OPERATING PRESSURE, AND EXTERNAL LOAD, AND SHALL BE SPECIFIED BY THE PURCHASER (SEE SEC. 5.3)

*"FLAT-BOTTOM" IS DEFINED AS UNDISTURBED EARTH.
*"LOOSE SOIL" OR "SELECT MATERIAL" IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH FREE OF ROCKS,
FOREIGN MATERIAL, AND FROZEN EARTH. A SOFT, LOOSE SOIL BEDDING WILL CONFORM TO THE PIPE BOTTOM. CAUTION
MUST BE EXERCISED TO ENSURE PROPER PLACEMENT OF EMBEDMENT MATERIAL UNDER THE HANGERS OF THE PIPE.

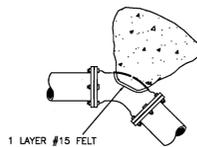
From ANMA C.805
UNDERGROUND INSTALLATION OF PVC PIPE

PIPE ENVELOPE REQUIREMENTS
N.T.S.

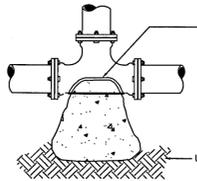
MINIMUM THRUST BLOCK DIMENSIONS:
SURFACE AREA AGAINST UNDISTURBED SOIL

PIPE SIZE	FITTING		90° BEND		45° BEND		22.5° BEND	
	DEAD END OR TEE	90° BEND	90° BEND	45° BEND	45° BEND	22.5° BEND	22.5° BEND	
4"	1' x 2'	1.5' x 1.5'	1' x 1.5'	1' x 1.5'	1' x 1.5'	1' x 1.5'	1' x 1.5'	
6"	2' x 2'	2.5' x 2.5'	2' x 1.5'	2' x 1.5'	1' x 1.5'	1' x 1.5'	1' x 1.5'	
8"	2.25' x 3'	3' x 3'	2' x 2.5'	1.5' x 1.5'	1.5' x 1.5'	1.5' x 1.5'	1.5' x 1.5'	
10"	3.5' x 3'	4' x 3.75'	2.75' x 3'	2' x 2'	2' x 2'	2' x 2'	2' x 2'	
12"	4' x 4'	4' x 5'	3' x 4'	2' x 3'	2' x 3'	2' x 3'	2' x 3'	
16"	5' x 5.5'	6' x 6.5'	4' x 5'	3' x 3.5'	3' x 3.5'	3' x 3.5'	3' x 3.5'	

- NOTES:
- ONE LAYER OF #15 FELT TO BE USED TO PREVENT ADHESION OF CONCRETE TO FITTING.
 - ALL THRUST BLOCKS TO BE BACKED BY UNDISTURBED SOIL.
 - THRUST BLOCK DIMENSIONS BASED ON SM SOIL CLASSIFICATION.
 - CONCRETE MIN. 2,500 PSI.
 - JOINT RESTRAINTS ARE TO BE USED ON ALL FITTINGS, TRUST BLOCKS REQUIRED ON 90° BENDS, 45° BENDS, TEES, TAPPING SLEEVES, AND DEAD ENDS.

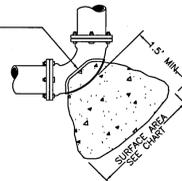


45° BEND - M.J.

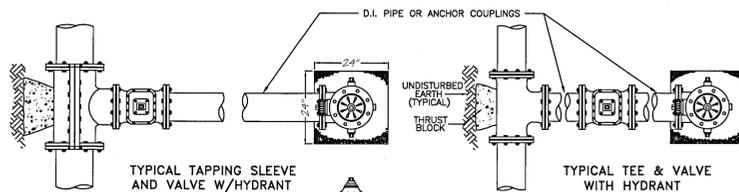


TEE - M.J.

TYPICAL THRUST BLOCK INSTALLATIONS
N.T.S.

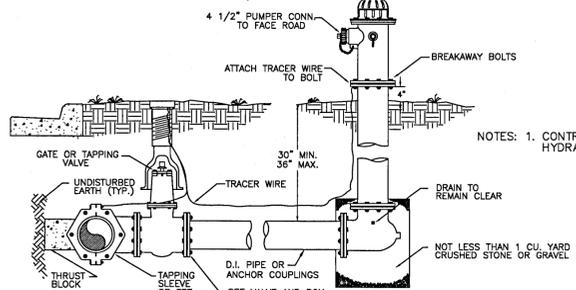


90° BEND - M.J.



TYPICAL TAPPING SLEEVE AND VALVE W/HYDRANT

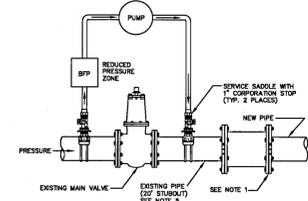
TYPICAL TEE & VALVE WITH HYDRANT



TYPICAL FIRE HYDRANT INSTALLATION:
TAPPING SLEEVE & VALVE and TEE CONNECTION
N.T.S.

NOTES:

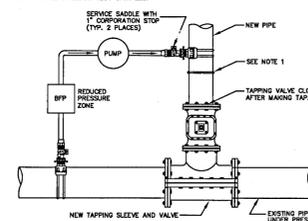
- NEW PIPE SHALL BE CAPPED OR PLUGGED FOR PRESSURE TEST. ONCE TEST IS SATISFACTORILY COMPLETED NEW MAIN IS TO BE CONNECTED TO EXISTING MAIN IN A MANNER ACCEPTABLE TO SRRU.
- THE CONTRACTOR SHALL FLUSH LINE PRIOR TO STARTING THE CHLORINATION PROCEDURE. ALL FLUSHING SHALL BE DONE THROUGH THE EXISTING VALVE WITH ALL HYDRANTS AND SERVICE LINES OPEN. SRRU INSPECTOR SHALL BE THE ONLY PERSON ALLOWED TO OPERATE THE VALVE AND SHALL BE PRESENT DURING FLUSHING OPERATION. ONCE FLUSHING IS COMPLETE THE INSPECTOR SHALL CLOSE THE VALVE.
- ONCE SATISFACTORY BACTERIOLOGICAL SAMPLES ARE OBTAINED THE CONTRACTOR SHALL CLOSE BOTH CORPORATION STOPS AND REMOVE SERVICE TUBING, PUMP AND BACKFLOW PREVENTER, CAP CORPORATION STOPS WITH BRASS CAPS.
- CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR FILLING, CHLORINATING AND TESTING PROCEDURES. CONTRACTOR SHALL PROVIDE SAMPLING TAPS AT THOSE LOCATIONS APPROVED BY THE SRRU INSPECTOR. SRRU SHALL COLLECT TEST SAMPLES.
- IF 20' STUBOUT IS NOT PRESENT SPECIAL ARRANGEMENTS WILL HAVE TO BE MADE TO DEPRESSURIZE THE EXISTING MAIN TO MAKE CONNECTION TO THE EXISTING VALVE.



TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION. (EXISTING STUBOUT)

NOTES:

- NEW PIPE SHALL BE CAPPED OR PLUGGED FOR PRESSURE TEST. ONCE TEST IS SATISFACTORILY COMPLETED NEW MAIN IS TO BE CONNECTED TO TAPPING VALVE. TAPPING VALVE IS TO REMAIN CLOSED.
- THE CONTRACTOR SHALL FLUSH LINE PRIOR TO STARTING THE CHLORINATION PROCEDURE. ALL FLUSHING SHALL BE DONE THROUGH THE TAPPING VALVE WITH ALL HYDRANTS AND SERVICE LINES OPEN. SRRU INSPECTOR SHALL BE THE ONLY PERSON ALLOWED TO OPERATE THE VALVE AND SHALL BE PRESENT DURING FLUSHING OPERATION. ONCE FLUSHING IS COMPLETE THE INSPECTOR SHALL CLOSE THE VALVE.
- ONCE SATISFACTORY BACTERIOLOGICAL SAMPLES ARE OBTAINED THE CONTRACTOR SHALL CLOSE BOTH CORPORATION STOPS AND REMOVE SERVICE TUBING, PUMP AND BACKFLOW PREVENTER, CAP CORPORATION STOPS WITH BRASS CAPS.
- CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR FILLING, CHLORINATING AND TESTING PROCEDURES. CONTRACTOR SHALL PROVIDE SAMPLING TAPS AT THOSE LOCATIONS APPROVED BY THE SRRU INSPECTOR. SRRU SHALL COLLECT TEST SAMPLES.



TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION. (TAPPING SLEEVE AND VALVE)

TYPICAL DISINFECTATION & CHLORINATION
N.T.S.

PIPE JOINT RESTRAINT TABULATION

SHOWING DISTANCES IN FEET FROM THE FITTING TO BE RESTRAINED TO THE LAST RESTRAINING GLAND REQUIRED

PIPE SIZE AND TYPE	HORIZONTAL BENDS					TEES (LENGTH ALONG BRANCH)
	90 Deg.	45 Deg.	22.5 Deg.	11.25 Deg.	DEAD ENDS	
3" DI	18	8	4	2	33	20
4" DI	22	9	4	2	39	25
6" DI	31	13	6	3	55	37
8" DI	40	17	8	4	72	49
10" DI	48	20	9	5	86	60
12" DI	56	23	11	5	101	71
16" DI	70	29	14	7	129	92
20" DI	84	35	17	8	156	112
24" DI	96	40	19	9	181	131
6" PVC	28	12	6	3	62	39
8" PVC	39	16	8	4	87	58
10" PVC	50	21	10	5	114	78
12" PVC	60	25	12	6	136	94
16" PVC	70	29	14	7	160	112
20" PVC	88	36	17	9	205	146
24" PVC	105	43	21	10	247	177
24" PVC	120	50	24	12	287	207

- NOTES:
- VALVES ARE BASED ON TEST PRESSURE =150 PSI, SOIL =SM, TRENCH TYPE =3, DEPTH =2.5', SAFETY FACTOR =2.0 (1.5 FOR TEES WITH LR =2).
 - AS A MINIMUM ALL FITTINGS SHALL BE RESTRAINED TO THE NEXT JOINT.
 - FOR OVERLAPPING JOINT RESTRAINTS, THE MOST RESTRICTIVE WILL APPLY. THE FARM HILL UTILITIES ENGINEER OR INSPECTOR MAY MAKE AN EXCEPTION IF THE DISTANCE TO BE RESTRAINED REQUIRES TEARING UP AN EXISTING ROADWAY.
 - AN UNEQUAL TEE IS A TEE WHERE ONE OF THE DIAMETERS IS UNEQUAL (I.E. 6X8X4). RESTRAINED LENGTH FOR AN UNEQUAL TEE IS BASED ON DISTANCES FOR THE LARGER DIAMETER SHOWN IN THE TABLE. THE DESIGN ENGINEER MAY PROVIDE CALCULATIONS TO JUSTIFY A REVISED RESTRAINT DISTANCE.
 - IF A DEAD-END IS WITHIN A FEW FEET OF A REDUCER, THEN RESTRAIN THE REDUCER AS A DEAD-END BASED ON THE LARGER DIAMETER PIPE. OTHERWISE RESTRAIN THE REDUCER AT THE NEAREST JOINT OR A MINIMUM OF 20 FEET (WHICHEVER IS GREATER).
 - RESTRAINED LENGTHS FOR A VERTICAL OFFSETS MUST BE INDIVIDUALLY CALCULATED.

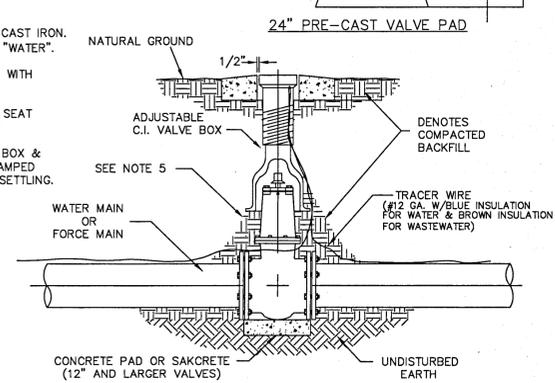
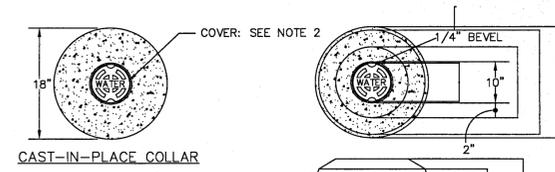
Separation Requirements for Public Water System Mains:

Other Pipe	Horizontal Separation (X)	Crossings Vertical Separation (Y)	Joint Spacing (Z) @ Crossings (Full Joint Centered)
Storm Sewers Stormwater Force Mains Reclaimed Water Pipelines regulated under Part III of Chapter 62-610, F.A.C.	3 ft. minimum	For water main installed above other pipe (preferred), 12 inches is the minimum except for storm sewer, then 6 inches is the minimum and 12 inches is preferred 12 inches minimum if water main is below other pipe	Alternate 3 ft. minimum
Vacuum Sanitary Sewer	10 ft. preferred 3 ft. minimum	For water main installed above other pipe, 12 inches preferred and 6 inches minimum 12 inches minimum if water main is below other pipe	Alternate 3 ft. minimum
Gravity or Pressure Sanitary Sewer Sanitary Sewer Force Main Reclaimed Water Pipelines not regulated under Part III of Chapter 62-610, F.A.C.	10 ft. preferred 6 ft. minimum (note - 3 ft. minimum for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer)	For water main installed above other pipe (preferred), 12 inches is the minimum except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred 12 inches minimum if water main is below other pipe	Alternate 6 ft. minimum
On-Site Sewage Treatment & Disposal System	10 ft. minimum	NA	NA

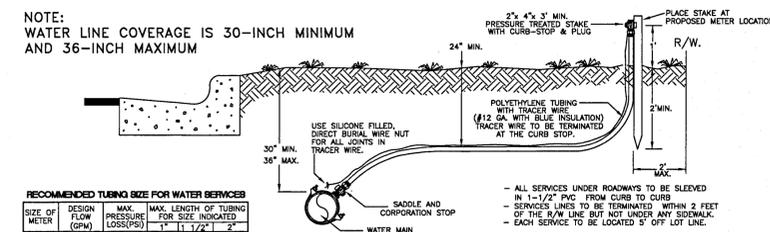
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL

DAVID W. FITZPATRICK
PROFESSIONAL ENGINEER, P.A.
BOARD OF PROFESSIONAL REGULATION #00008423
10500 NORTH PALM BEACH STREET
PENSACOLA, FL 32534
PH: (850)476-8877 FAX: (850)476-7708

TURTLE CREEK
POTABLE WATER DETAILS



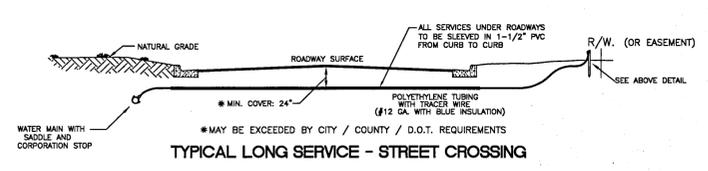
TYPICAL VALVE & BOX INSTALLATION
N.T.S.



TYPICAL SHORT SERVICE

RECOMMENDED TUBING SIZE FOR WATER SERVICES

SIZE OF METER	DESIGN FLOW (GPM)	MAX. PRESSURE LOSS (PSI)	MAX. LENGTH OF TUBING FOR SIZE INDICATED
1"	50	10	17
1 1/2"	100	10	34
2"	160	10	57



TYPICAL LONG SERVICE - STREET CROSSING
N.T.S.

TYPICAL WATER SERVICE INSTALLATION
N.T.S.

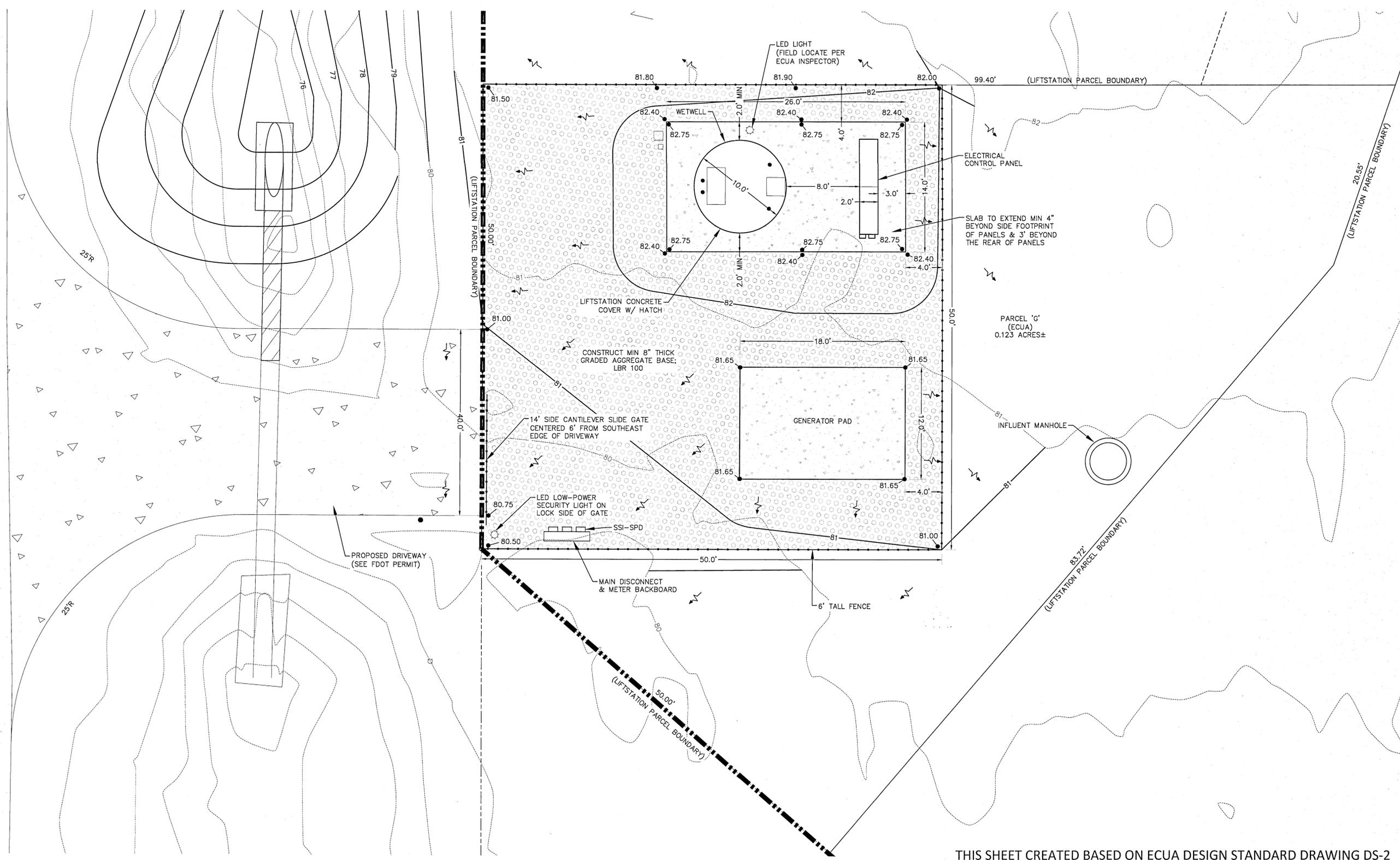
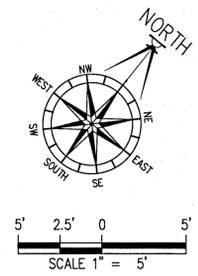
DATE: 3/31/21
EQUA COMMENT REVISIONS: 230021
ESCAMBAR COUNTY COMMENT REVISIONS: 3/31/21

REVISIONS:
1. FIRST PACKAGE COMMENT REVISION
2. ECUA COMMENT REVISIONS
3. ESCAMBAR COUNTY COMMENT REVISIONS

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

PROJECT NUMBER: 18-039
PLOT DATE: 3/31/21
SHEET: C26 OF C40

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 47818
DAVID W. FITZPATRICK, P.A.
LICENSED PROFESSIONAL ENGINEER



DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER, P.A.
 BOARD OF PROFESSIONAL REGULATION #00008423
 10225A STREET
 PENSACOLA, FL 32534
 PH: (850)476-8677 FAX: (850)476-7708

TURTLE CREEK
 LIFTSTATION DETAILS - SITE / GRADING

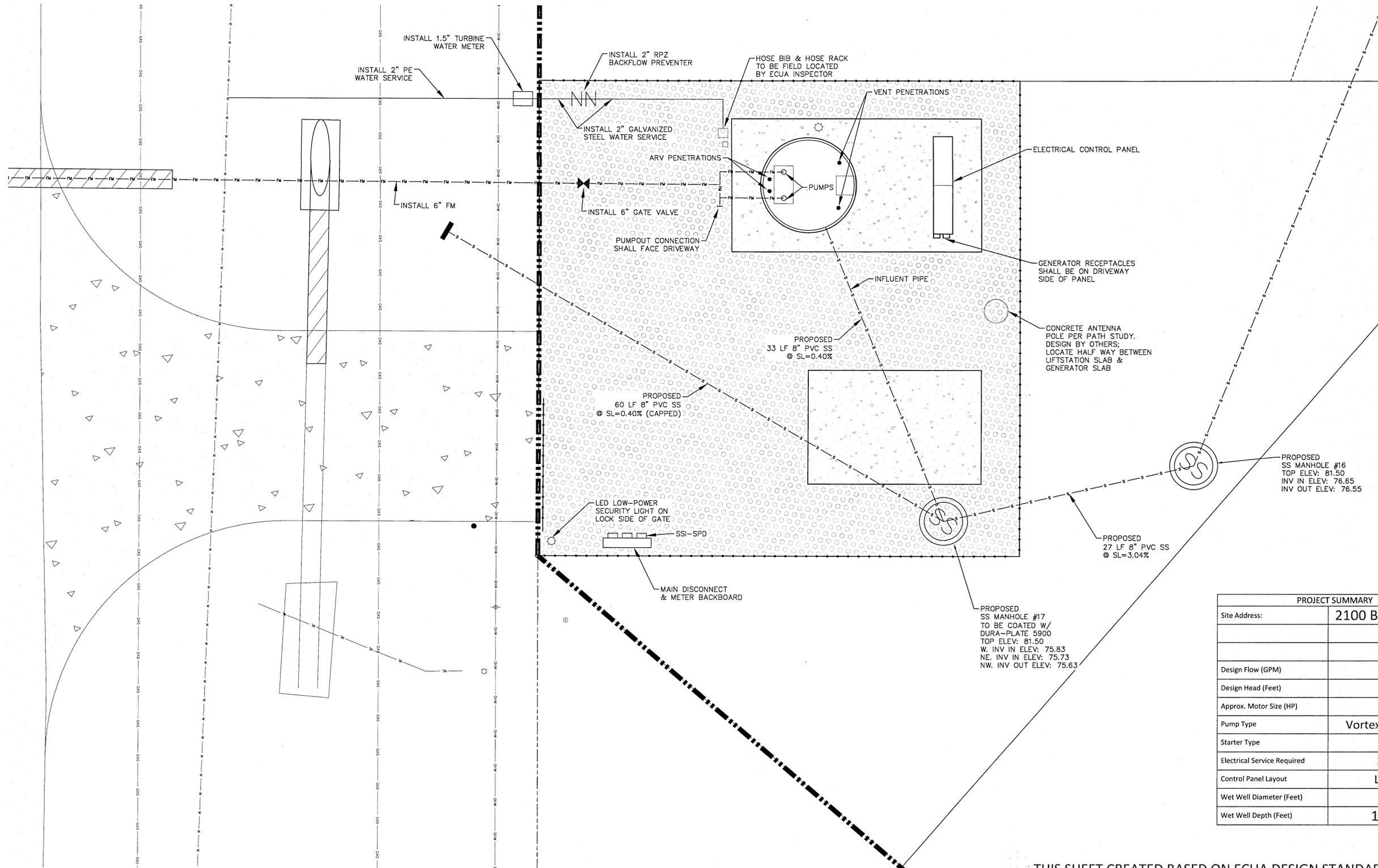
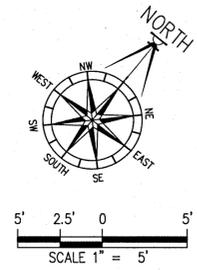
DATE	REVISION
12/09	ECUA COMMENT REVISIONS
2/20/21	ECUA COMMENT REVISIONS
3/31/21	ECUAMIA COUNTY COMMENT REVISIONS

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

SIGNATURE & SEAL

DATE: 3/31/21
 PROJECT NUMBER: 1118-039
 SHEET C27 OF C40

TURTLE CREEK
 LIFTSTATION DETAILS - UTILITIES



PROJECT SUMMARY	
Site Address:	2100 BLK HWY 29
Design Flow (GPM)	275
Design Head (Feet)	121
Approx. Motor Size (HP)	20
Pump Type	Vortex, Non-Clog
Starter Type	VFD
Electrical Service Required	240V
Control Panel Layout	Linear
Wet Well Diameter (Feet)	10'
Wet Well Depth (Feet)	17.75'

THIS SHEET CREATED BASED ON ECUA DESIGN STANDARD DRAWING DS-2

DATE	12/24	2/20/21	3/1/21
REVISION	POST-DRAWING COMMENT REVISIONS	ECUA COMMENT REVISIONS	ESCAMBAR COUNTY COMMENT REVISIONS
NUMBER	1	2	3

DRAWN BY:
A. BURKETT

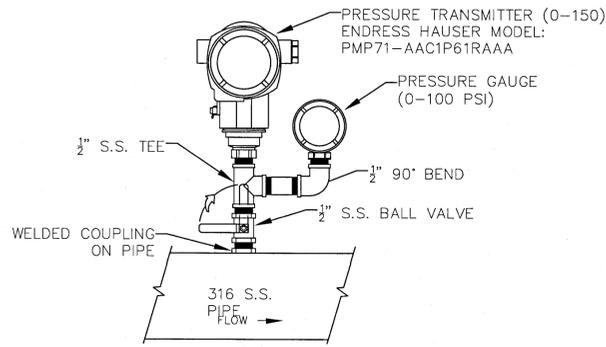
DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER
 NO. 00008423
 STATE OF FLORIDA
 ELECTRICAL ENGINEER

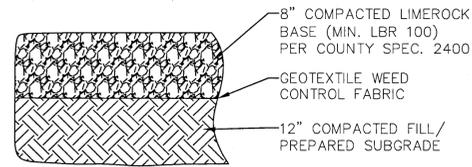
PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C28 OF C40

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 WORKS SPECIFICATIONS.

DAVID W. FITZPATRICK
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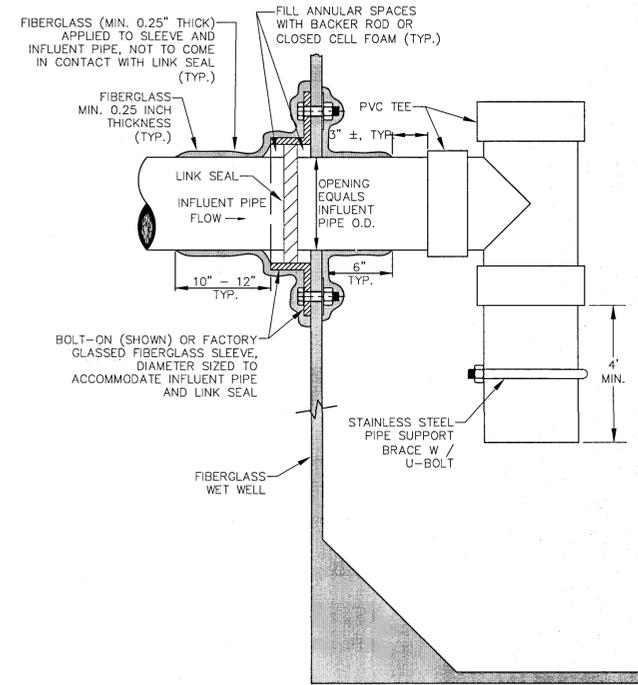


DS-5
 5
PRESSURE TRANSMITTER DETAIL
 NOT TO SCALE

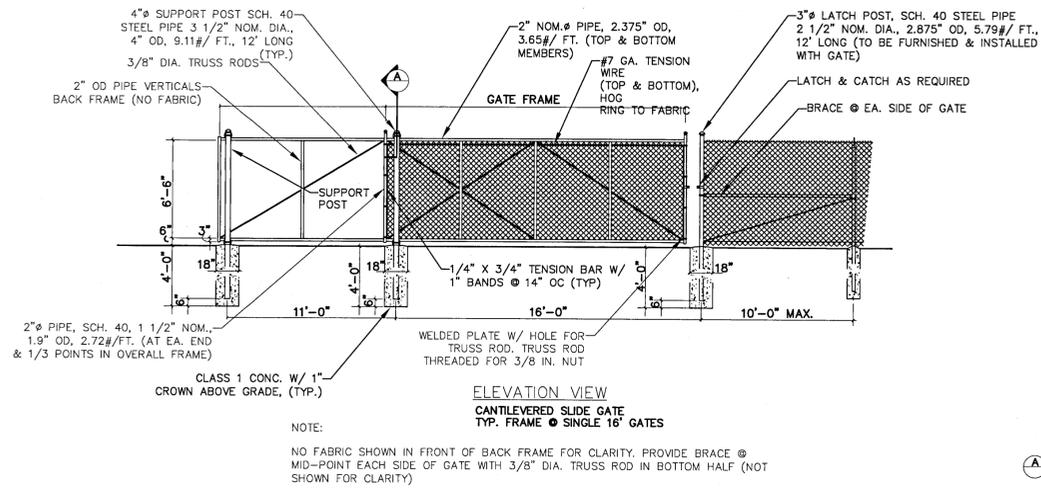


- NOTES:
1. ALL DEPTHS ARE COMPACTED DEPTHS.
 2. PREPARE SUBGRADE BY CLEARING AND GRUBBING, STRIPPING TOPSOIL AND PLACING GEOTEXTILE FABRIC.
 3. FILL FOR LIFT STATION SITE SHALL BE SAND MECHANICALLY COMPACTED TO 95% MODIFIED PROCTOR DENSITY IN MAXIMUM 12-INCH LIFTS LOOSE MEASUREMENT TO ACHIEVE CORRECT GRADE.

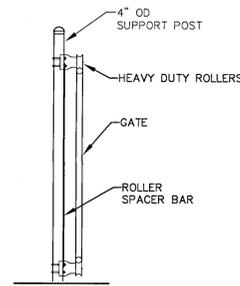
DS-5
 8
GRADED AGGREGATE BASE DETAIL
 NOT TO SCALE



DS-5
 4
INFLUENT PIPE CONNECTION DETAIL
 NOT TO SCALE



NOTE:
 NO FABRIC SHOWN IN FRONT OF BACK FRAME FOR CLARITY. PROVIDE BRACE @ MID-POINT EACH SIDE OF GATE WITH 3/8" DIA. TRUSS ROD IN BOTTOM HALF (NOT SHOWN FOR CLARITY)

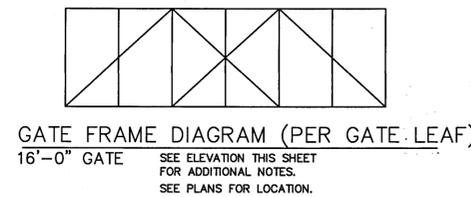


FENCE POST SCHEDULE

TYPE	SIZE
LINE POST	2-1/2" Ø
BRACE POST**	3" Ø
CORNER POST	3" Ø
GATE POST	4" Ø

** EVERY 100'

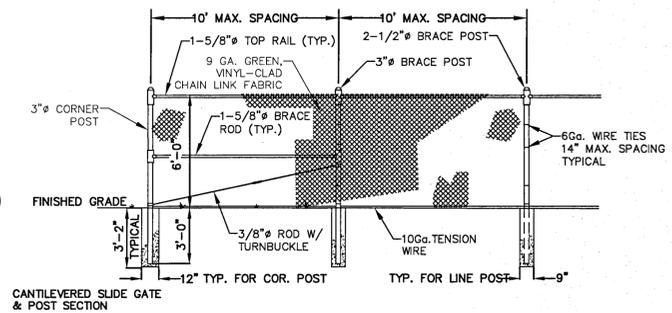
DS-5
 7
SIDEVIEW OF GATE POST
 NTS



GATE FRAME DIMENSIONS PER GATE LEAF

GATE OPENING	GATE FRAME	BACK FRAME
16'-0"	16'-3"	11'-0"

DS-5
 7
CANTILEVERED GATE + FENCING DETAIL
 NOT TO SCALE



NOTE:
 ALL FENCING ELEMENTS TO BE MANUFACTURER'S FACTORY-APPLIED DARK GREEN COLOR.

TURTLE CREEK

LIFTSTATION DETAILS - DS-5

NO.	DATE	DESCRIPTION
1	12/20/20	FOR FRAME COMMENT REVISIONS
2	2/20/21	FOR CHAINLINK REVISIONS
3	3/31/21	FOR CHAINLINK COMMENT REVISIONS

DRAWN BY:
 A. BURKETT

DESIGNED BY:
 D. FITZPATRICK

SIGNATURE & SEAL
 DAVID W. FITZPATRICK
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE # 12534

PROJECT NUMBER
 18-039

PLOT DATE
 3/31/21

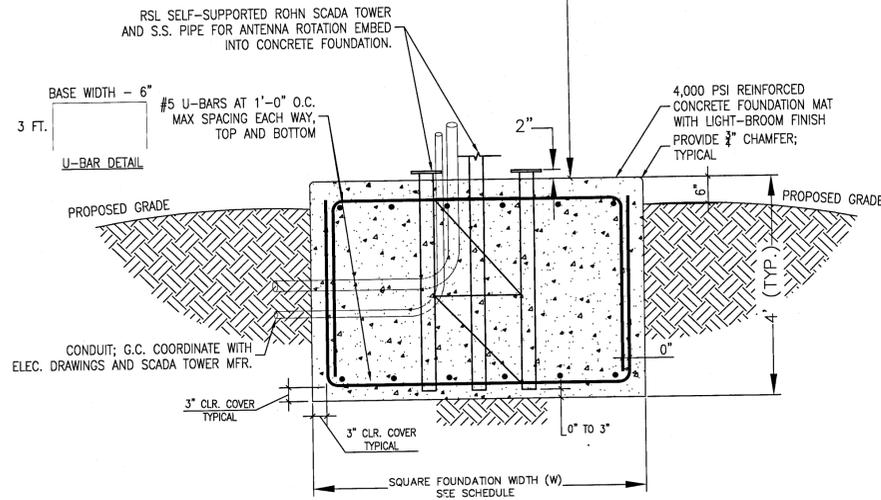
SHEET C31 OF C40

SCADA TOWER FOUNDATION SCHEDULE	
MAX ANTENNA HEIGHT ABOVE GRADE	SQUARE FOUNDATION PLAN DIMENSION (W) x (W)
22'	5'-3" x 5'-3"
32'	6'-6" x 6'-6"
42'	8'-6" x 8'-6"
52'	11'-6" x 11'-6"

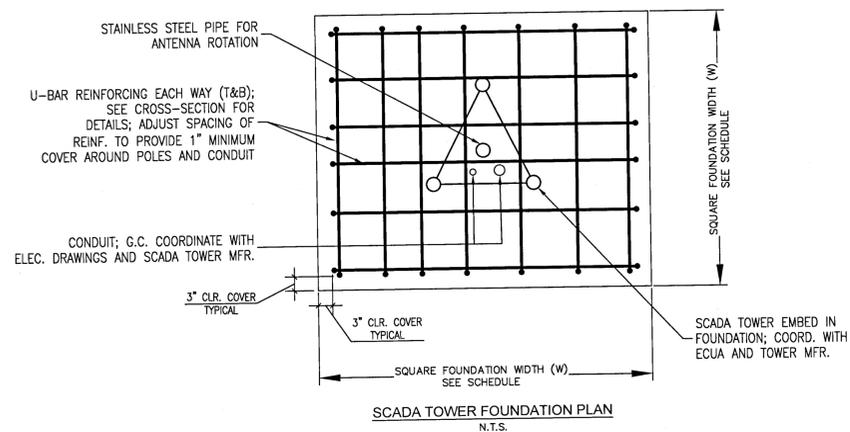
APPLICABLE OVER ENTIRE ESCAMBIA COUNTY

SCADA FOUNDATION DETAIL DESIGN ASSUMPTIONS:

- TOWER: RSL ROHN TOWER WITH TESSCO: #37634 ANTENNA
- FOUNDATION DESIGN IS BASED ON LOOSE SANDY SOILS TYPICAL OF ESCAMBIA COUNTY
- ASCE 7-10/FBC 2010 WIND DATA: 164 MPH, EXPOSURE D

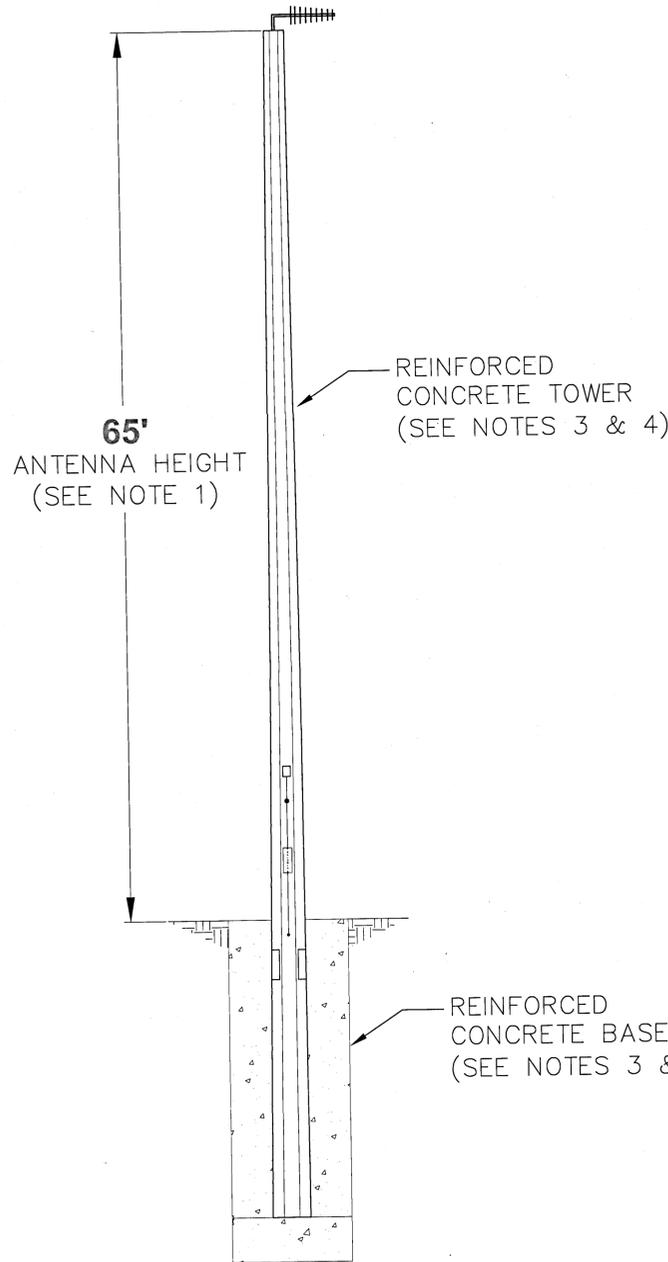


SCADA TOWER FOUNDATION CROSS SECTION
N.T.S.



SCADA TOWER FOUNDATION PLAN
N.T.S.

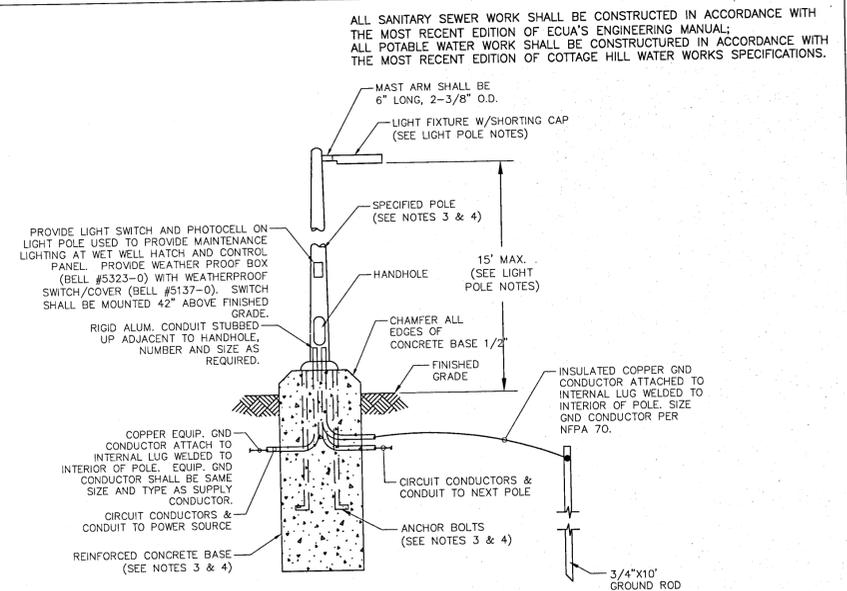
DS-6
1
NOT TO SCALE
ROHN TOWER/BASE FOR SCADA ANTENNA



DS-6
2
NOT TO SCALE
CONCRETE TOWER/BASE FOR SCADA ANTENNA

NOTES:

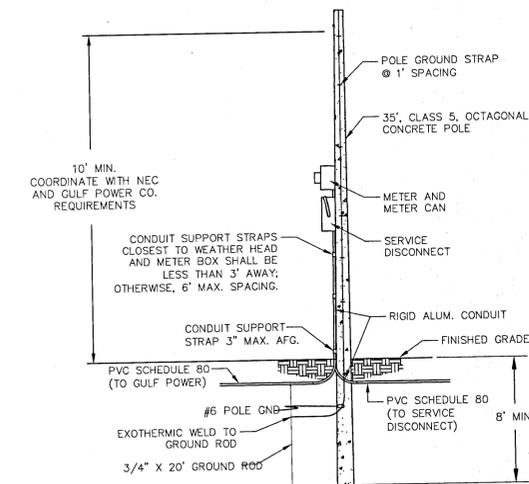
- ANTENNA HEIGHT PER ECUA SUPPLIED RADIO PATH STUDY.
- CONTRACTOR CAN SELECT FROM EITHER ANTENNA TOWER OPTION. ROHN TOWER/BASE SHALL BE CONSTRUCTED PER DETAIL THIS SHEET, CONCRETE TOWER/BASE SHALL BE CONSTRUCTED PER DELEGATED ENGINEERING DOCUMENTS.
- CONTRACTOR SHALL PROVIDE DESIGN PERFORMED BY FLORIDA LICENSED P.E. AND SHALL INCLUDE DESIGN IN DELEGATED ENGINEERING DOCUMENT.
- FOR WIND LOAD CALCULATIONS, ASSUME WIND SPEED OF 164 MPH, EXPOSURE "D" PER ASCE 7-10/FBC 2010 WIND DATA, AS WELL AS LOOSE, SANDY SOILS.



DS-6
3
NOT TO SCALE
SECURITY LIGHT AND WORK LIGHT DETAIL

LIGHT POLE NOTES:

- FIXTURE SHALL BE LED, (BEACON, VIPER "L" SERIES), (HOLOPHONE, MONGOOSE LED ROADWAY LIGHTING) 120V, WITH PHOTOCONTROL & SWITCH, POLE MOUNTED @ 42" (OR ENGINEER APPROVED EQUAL)
- REFER TO SPECIFICATIONS SECTION 16521 "EXTERIOR LIGHTING" FOR ADDITIONAL REQUIREMENTS.
- LIGHT FIXTURES SHALL BE MOUNTED AT 15'-0" (MAXIMUM) ABOVE FINISHED GRADE.
- LIGHTING FIXTURE LAYOUT SHALL BE BASED UPON ACHIEVING 20 FOOT CANDLES (+/- 20%) AT THE FRONT OF THE CONTROL PANEL (WORK-PLANE OF 24" AFG) AND AT THE WET WELL ACCESS HATCH (WORKPLANE OF 0" AFG).
- GENERAL SECURITY LIGHTING SHALL ENCOMPASS ACCESS GATE AND ALL PIPING/EQUIPMENT AT A MIN. AVERAGE 1 FOOT-CANDLE (+/- 20%, AT WORKPLANE OF 0" AFG).
- REFER TO LIGHTING CONTROL DIAGRAM ON SHEET DS-7 FOR ADDITIONAL REQUIREMENTS.



NOTES:

- * SERVICE LATERAL CONDUIT SHALL BE 3" (MIN) SCHEDULE 80 PVC BELOW GRADE AND 3" (MIN) RIGID AL CONDUIT ABOVE GRADE. ANY REQUIREMENTS BY THE UTILITY COMPANY SHALL PREVAIL OVER THE REQUIREMENTS OUTLINED HERE AND SHALL BE COORDINATED BY THE ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.

DS-6
4
NOT TO SCALE
UTILITY POLE DETAIL

THIS SHEET CREATED BASED ON ECUA DESIGN STANDARD DRAWING DS-6

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TURTLE CREEK

LIFTSTATION DETAILS - DS-5

DATE	DESCRIPTION
12/14/09	PROJECT INITIATION
2/28/21	REVISION
3/31/21	REVISION

DRAWN BY: A. BURKETT
 DESIGNED BY: D. FITZPATRICK
 SIGNATURE & SEAL: [Signature and Seal of David W. Fitzpatrick, Professional Engineer, P.A.]
 NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET: C32 OF C40

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 WORKS SPECIFICATIONS.

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TURTLE CREEK

LIFTSTATION DETAILS - DS-7

DATE	DESCRIPTION
12/14/20	REVISED
2/20/21	REVISED
3/1/21	REVISED

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

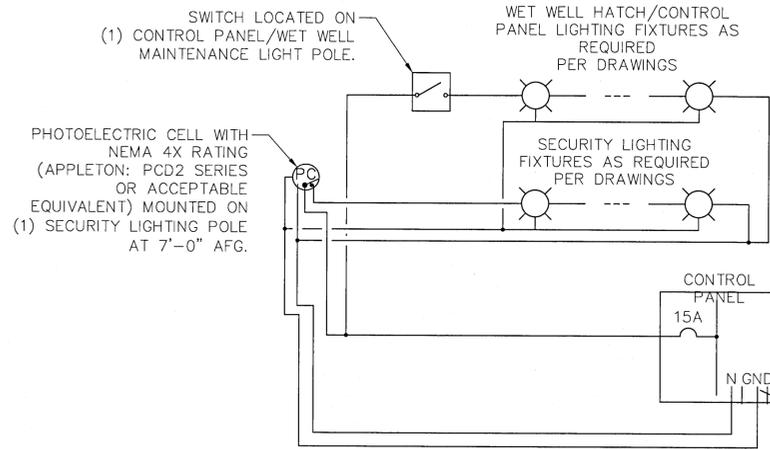
SIGNATURE & SEAL

DAVID W. FITZPATRICK
 LICENSE # 188039
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

PROJECT NUMBER: 188-039

DATE: 3/31/21

SHEET C33 OF C40



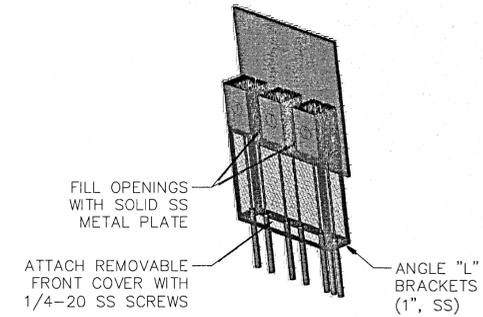
DS-7
 1
 TYPICAL LIGHTING CONTROL DIAGRAM
 NOT TO SCALE

DETAIL NOTES:

1. THIS DETAIL SHALL ONLY APPLY WHEN THE CONTROL PANEL CANNOT BE PLACED WITHIN 10'-0" OF THE WET WELL TO ALLOW FOR CONNECTION OF STANDARD 50 FOOT PUMP CABLE CONNECTIONS.
2. BACKBOARD SHALL BE PLACED AT THE EDGE OF THE WET WELL SLAB BETWEEN THE WET WELL AND CONTROL PANEL.
3. JUNCTION BOXES SHALL BE MOUNTED SUCH THAT THEY ARE FACING THE WET WELL.
4. ENGINEER/CONTRACTOR SHALL SIZE JUNCTION BOXES AND BACKBOARDS BASED UPON INSTALLATION REQUIREMENTS PROVIDED AT TIME OF DESIGN.

KEY NOTES:

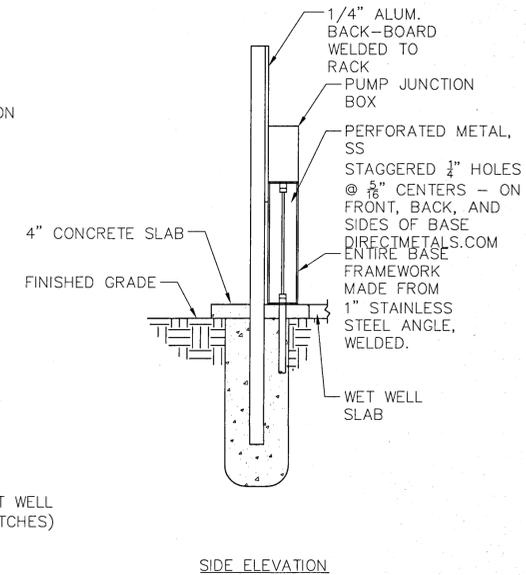
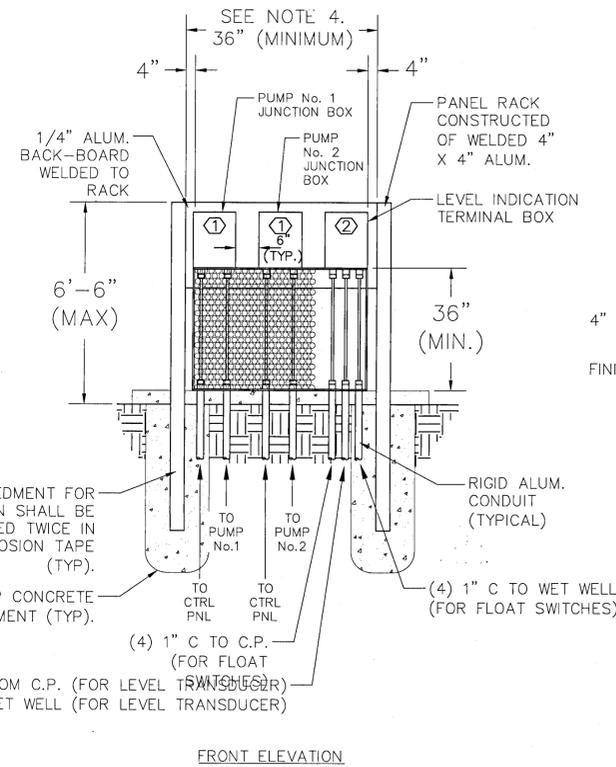
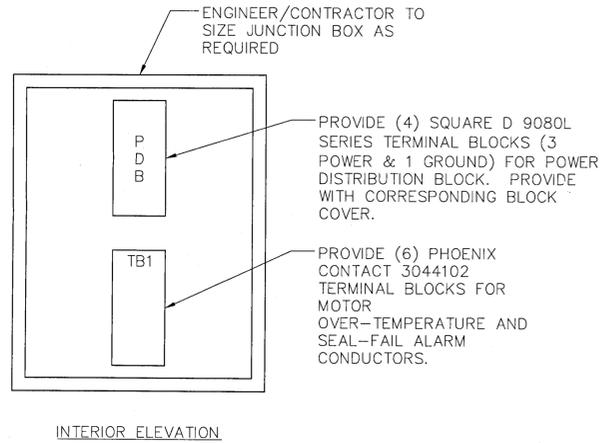
- ① REFER TO "TYPICAL PUMP JUNCTION BOX ELEVATION" (THIS SHEET) FOR ADDITIONAL REQUIREMENTS.
- ② REFER TO "TYPICAL LEVEL INDICATION JUNCTION BOX ELEVATION" (THIS SHEET) FOR ADDITIONAL REQUIREMENTS.



DETAIL NOTES:

1. ALL TERMINAL BLOCKS SHALL BE PROVIDED WITH CORRESPONDING END BRACKETS AND END COVERS.
2. PROVIDE SEPARATE GROUND LUG IN EACH JUNCTION BOX, BONDED TO JUNCTION BOX.

DS-7
 2
 TYPICAL PUMP JUNCTION BOX ELEVATION
 NOT TO SCALE

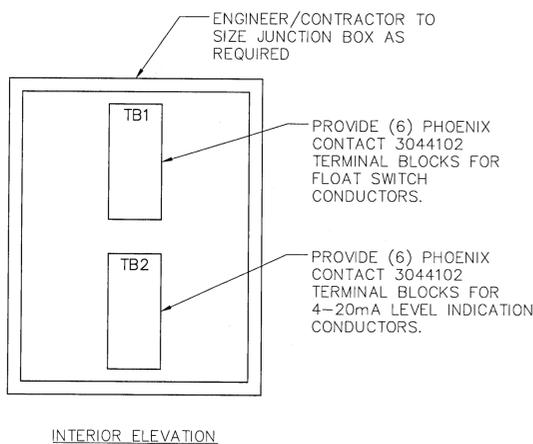


DS-7
 4
 TYPICAL PUMP JUNCTION BOXES
 NOT TO SCALE

DETAIL NOTES:

1. ALL TERMINAL BLOCKS SHALL BE PROVIDED WITH CORRESPONDING END BRACKETS AND END COVERS.
2. PROVIDE SEPARATE GROUND LUG IN EACH JUNCTION BOX, BONDED TO JUNCTION BOX.

DS-7
 3
 TYPICAL LEVEL INDICATION JUNCTION BOX ELEVATION
 NOT TO SCALE



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EOR's Summary of Performance and Design Criteria for Contractor's Delegated Engineering Documents

This sheet acts as a summary only. Contractor is required to thoroughly examine the remainder of these plans as well as ECUA's Engineering Manual for all performance and design criteria, which as a whole, is considered sufficient for Contractor's use in bidding and coordinating professional design services for the development of Contractor's Delegated Engineering Documents.

<u>Delegated Engineering Design</u>	<u>EOR Supplied Design Criteria</u>	<u>Applicable Design Standards</u>
Fiberglass Wet Well	Diameter (feet): 10 Depth (feet): 17.75	Plans, ECUA Engineering Manual, ASTM D3753, Fiberglass Manufacturer's Recommendations
Pump Mounting Baseplate	See Wet Well dimensions above and List of Allowable Pumps on Pump Selection Worksheet	Plans and ECUA Engineering Manual
Anti-flotation Concrete Base	See Wet Well dimensions above	Plans and ECUA Engineering Manual
Concrete Cover	See Site Plan for cover dimensions	Plans and ECUA Engineering Manual
Control Panel Base	See Control Panel information above and Site Plan for location	Plans and ECUA Engineering Manual
Electrical Control Panels	Panel Layout: <input type="checkbox"/> Abutting <input checked="" type="checkbox"/> Linear Service Voltage: <input type="checkbox"/> 480V <input checked="" type="checkbox"/> 240V Starter Type: <input type="checkbox"/> FVNR <input type="checkbox"/> RVSS <input checked="" type="checkbox"/> VFD	Plans, ECUA Engineering Manual, and ECUA Design Standard Drawings DS-xx through DS-xx
Work/Security Light Poles and Bases	See Plans	Plans and ECUA Engineering Manual
Concrete Pole and Base for SCADA Antenna (if applicable)	Antenna Height (feet): 65'	Plans and ECUA Engineering Manual

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TURTLE CREEK

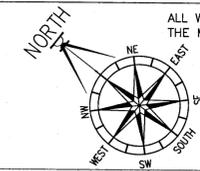
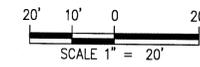
LIFTSTATION DETAILS - DS-8

DATE	REVISION
01/24/18	POST CONTRACT COMMENT REVISIONS
2/26/21	ECUA COMMENT REVISIONS
3/11/21	ESCAMBIA COUNTY COMMENT REVISIONS

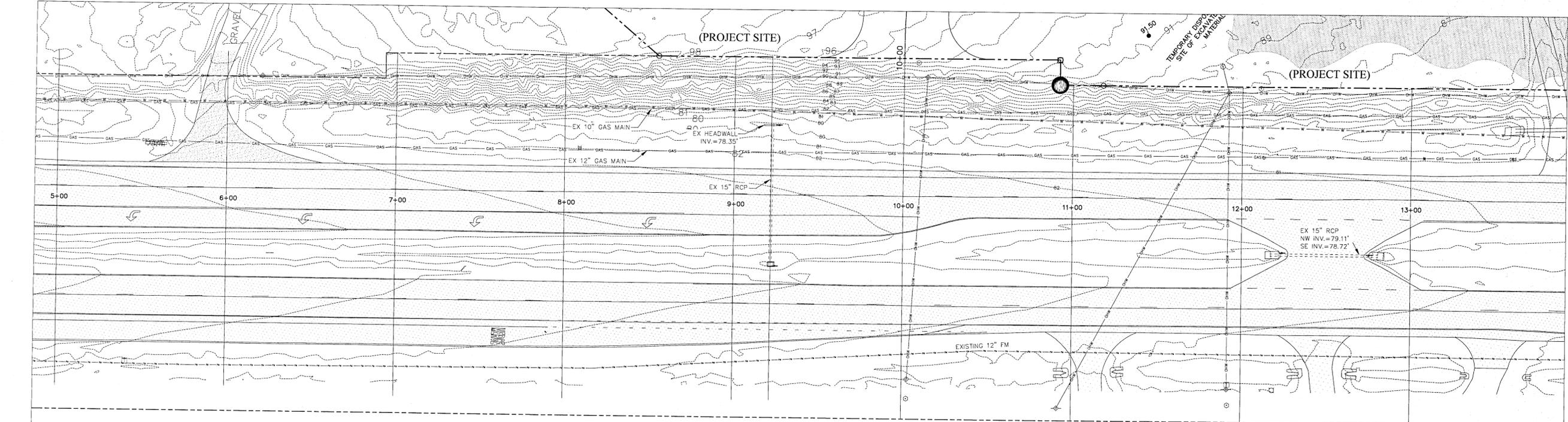
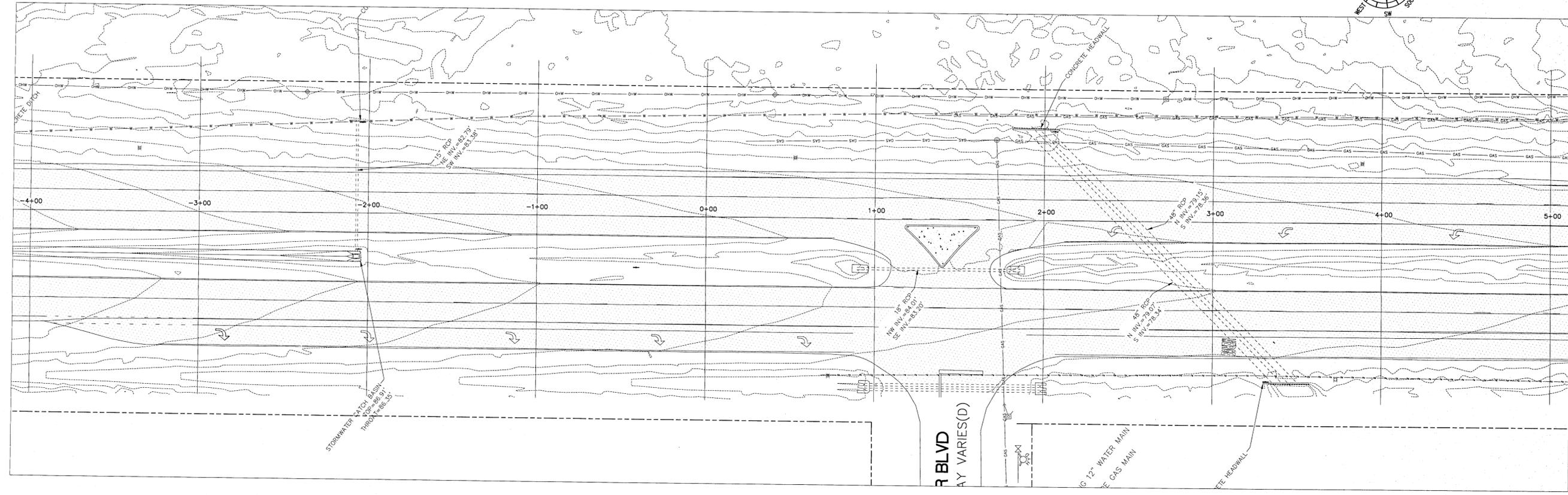
DRAWN BY:
 A. BURKETT
 DESIGNED BY:
 D. FITZPATRICK



PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C34 OF C40



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



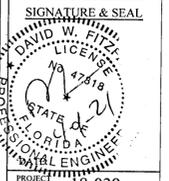
U.S. HIGHWAY #29(D)(F)
 HIGHWAY No. 29(D)
 NEW PALAFOX(D)
 RIGHT OF WAY VARIES(D)

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 PALM BEACH, FLORIDA, P.A. FAX: (860)476-7768
 PH: (860)476-8677

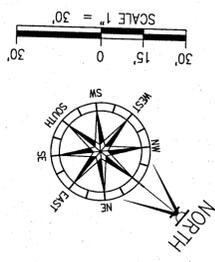
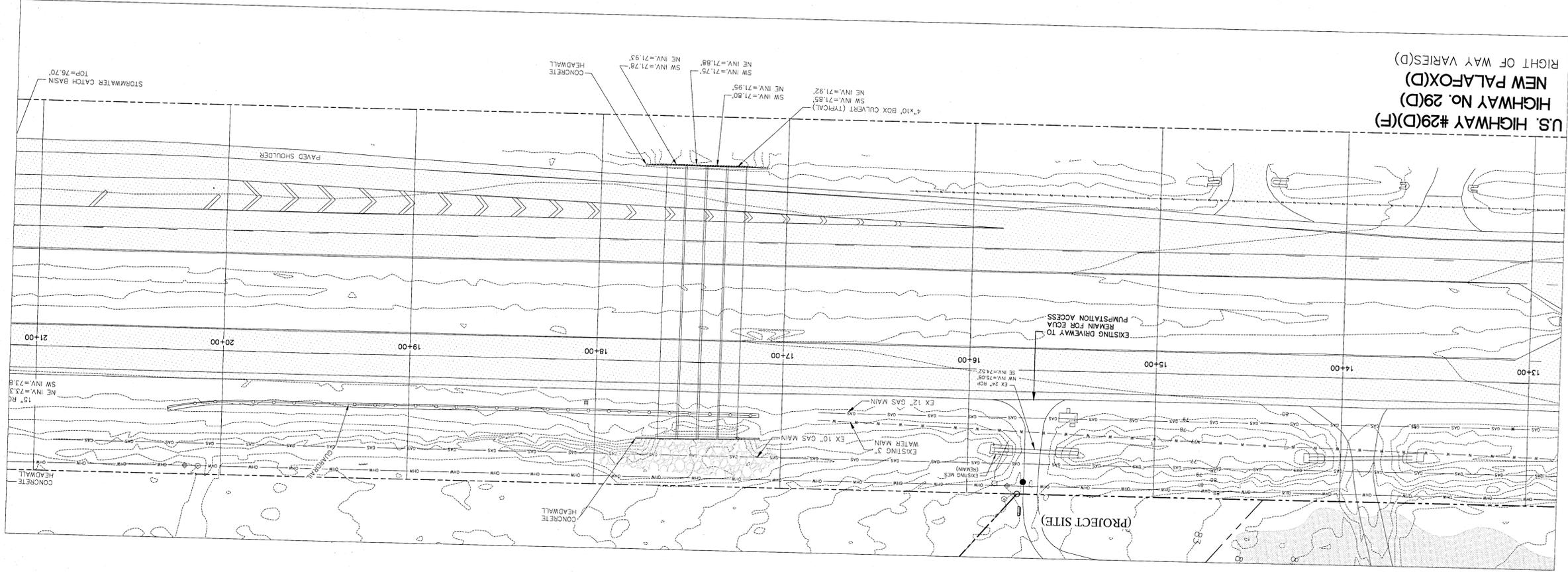
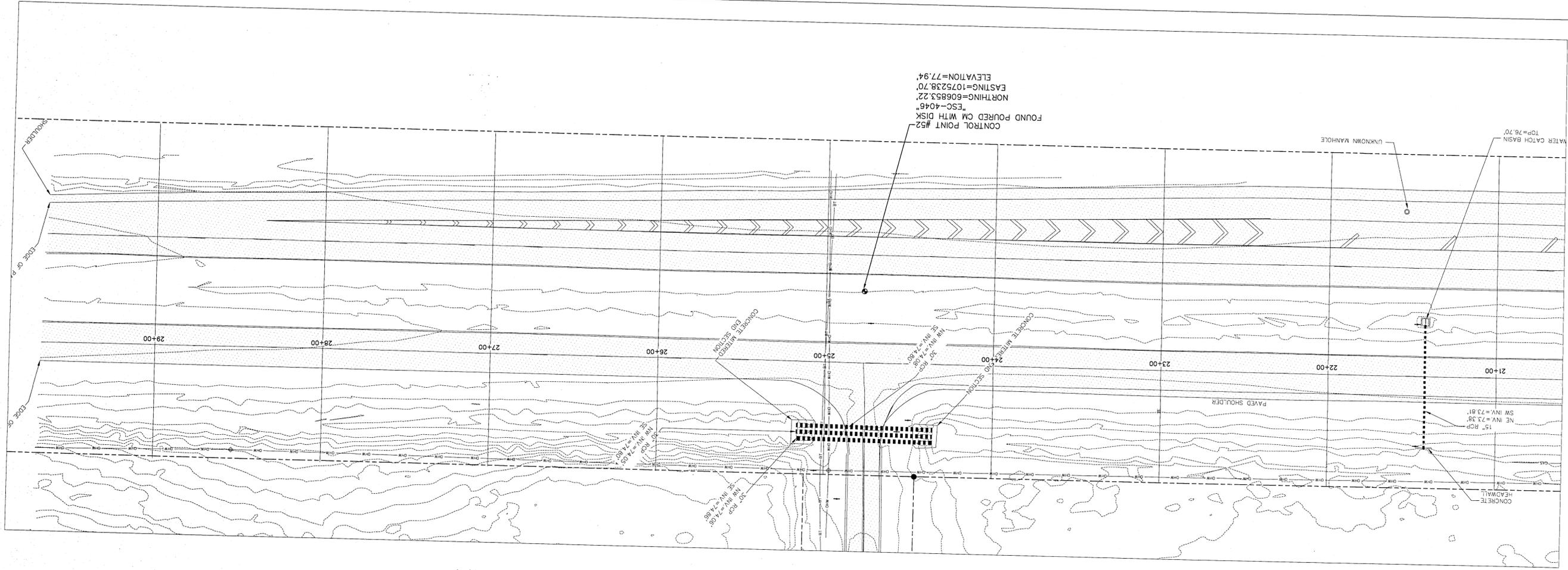
TURTLE CREEK
 HWY 29 - EXISTING CONDITIONS

NO.	REVISION	DATE
1	PROFESSIONAL COMMENT REVISIONS	12/20/20
2	FIELD COMMENT REVISIONS	2/20/21
3	LOCAL COUNTY COMMENT REVISIONS	3/1/21

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



PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C35 OF C40



SHEET C40 OF C40
 DATE 3/31/21
 PROJECT NUMBER 18-039
 PROFESSIONAL ENGINEER
 DAVID W. FITZPATRICK
 LICENSE NO. 12486
 SIGNATURE & SEAL
 D. FITZPATRICK
 A. BURETT

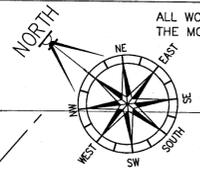
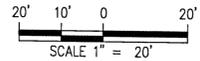
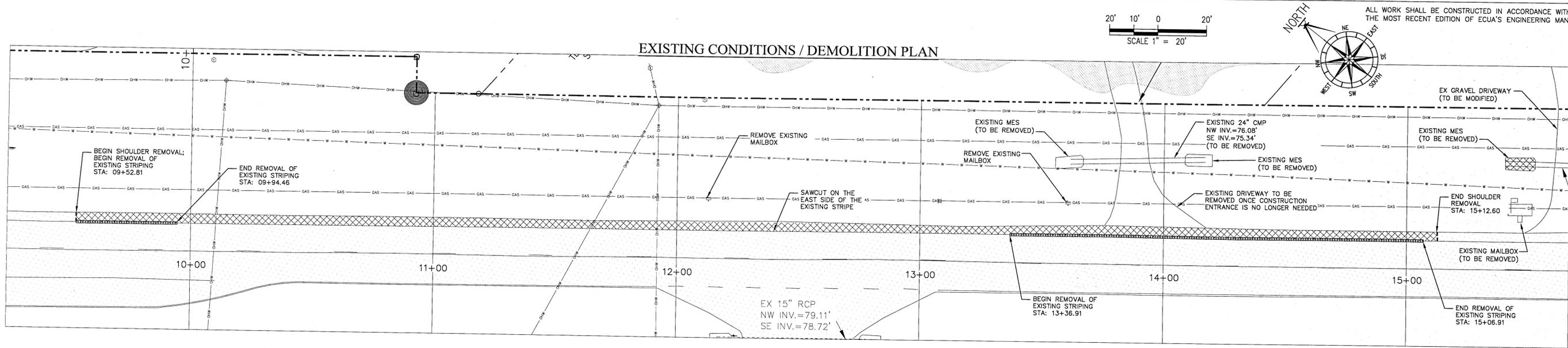
NUMBER	REVISION	DATE
1	PROPOSED COMMENT REVISIONS	12/10/20
2	ECUA COMMENT REVISIONS	10/20/21
3	ECUA COMMENT REVISIONS	10/21/21

TURTLE CREEK
 EXISTING CONDITIONS - HWY 29

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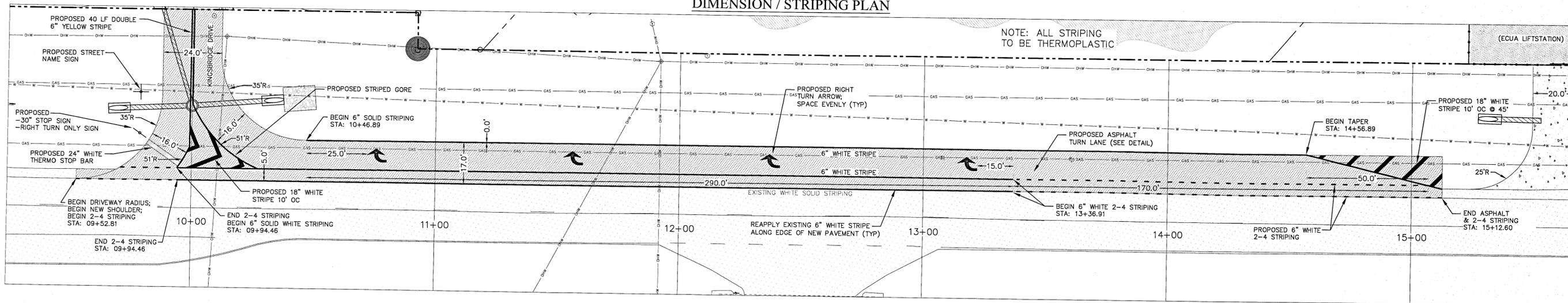
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL

EXISTING CONDITIONS / DEMOLITION PLAN



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

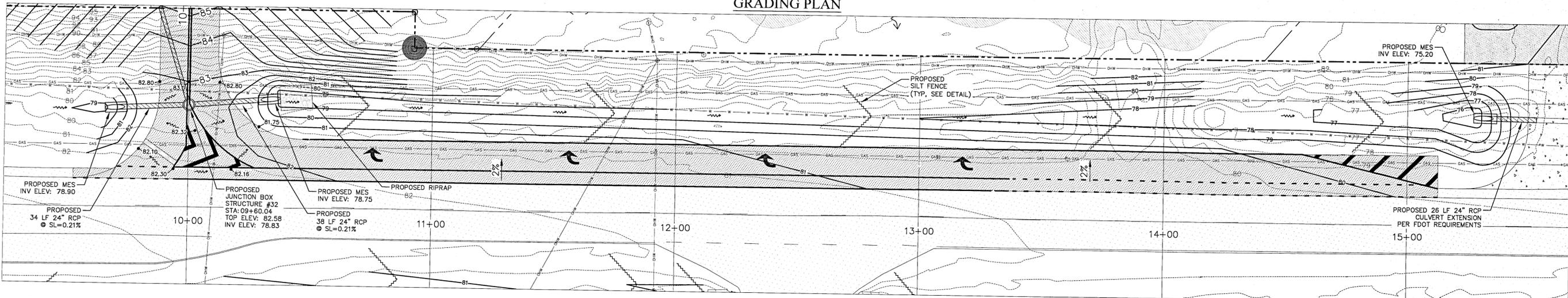
DIMENSION / STRIPING PLAN



NOTE: ALL STRIPING TO BE THERMOPLASTIC

NOTE: SEE FDOT UTILITY PERMIT FOR DETAILS

GRADING PLAN



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TURTLE CREEK
 HWY 29 - RIGHT TURN LANE

DATE	REVISION
12/10/09	1 FOOT TRAILER COMMENT REVISIONS
2/26/11	2 ECUA COMMENT REVISIONS
3/11/11	3 ESCROW COUNTY COMMENT REVISIONS

DRAWN BY:	A. BURKETT
DESIGNED BY:	D. FITZPATRICK
SIGNATURE & SEAL	
DATE ENGINEERED:	3/31/11
PROJECT NUMBER:	18-039
PLOT DATE:	3/31/11
SHEET C37 OF C40	

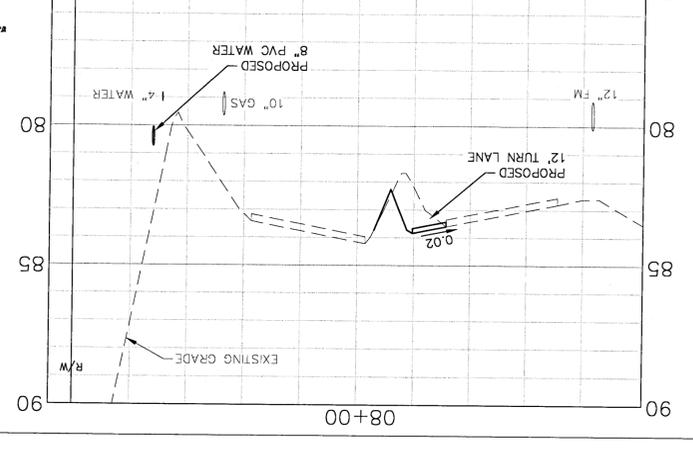
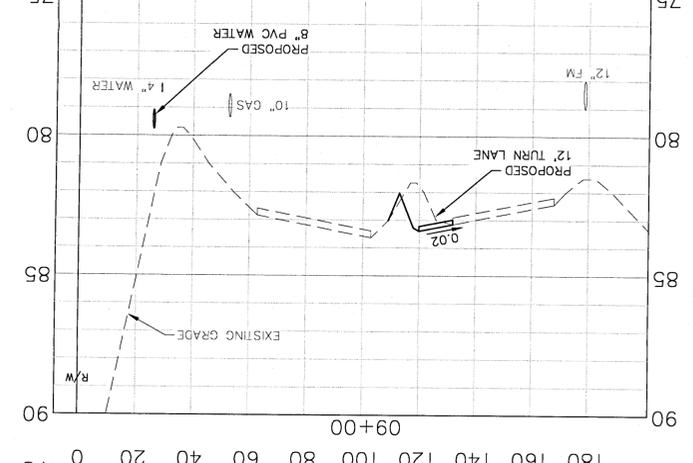
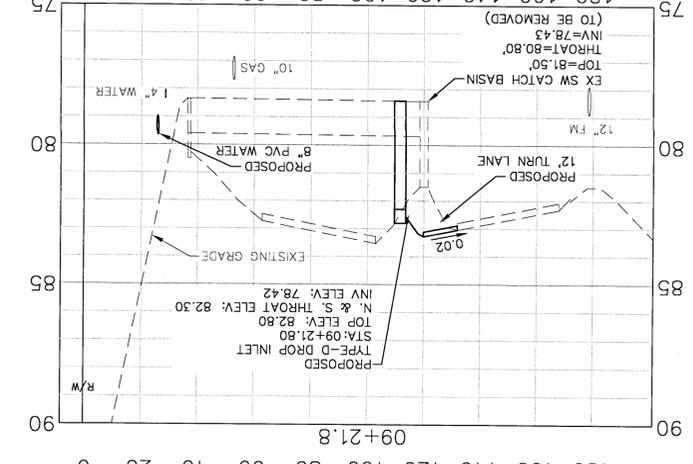
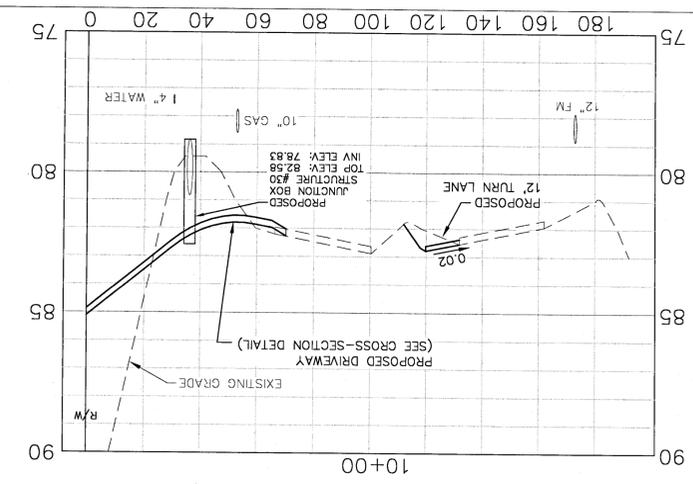
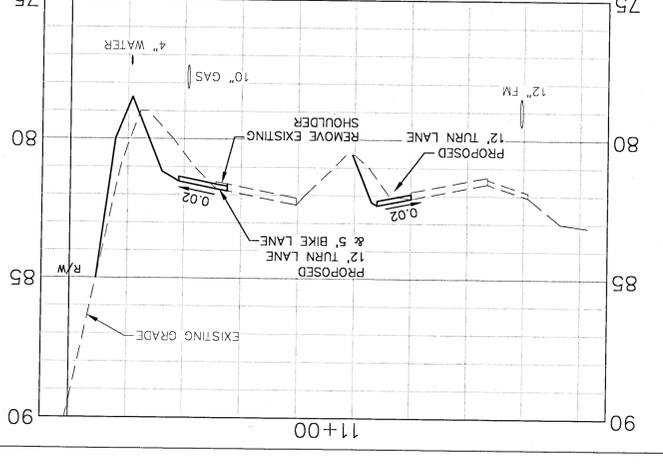
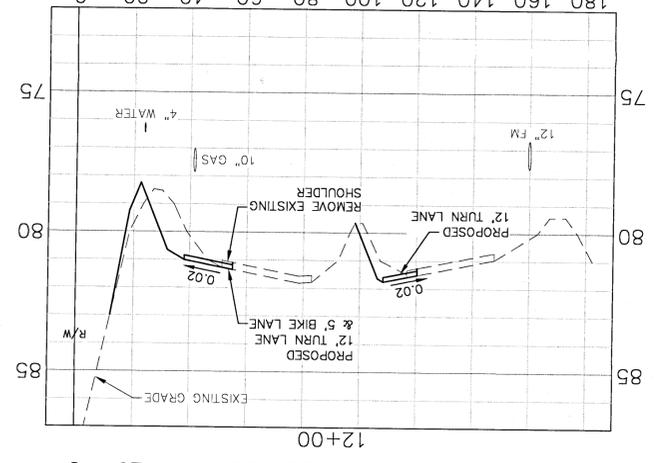
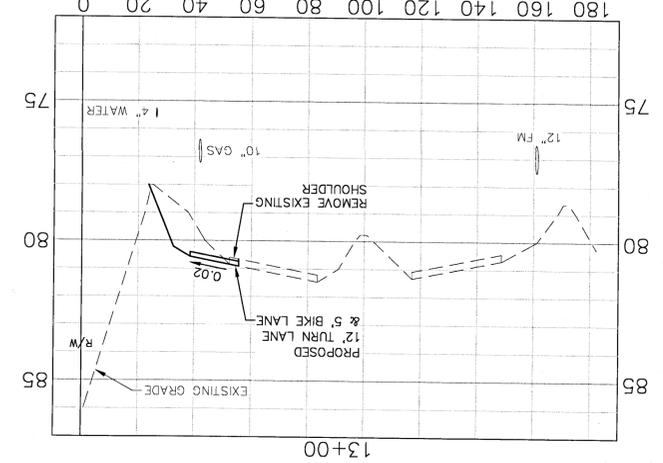
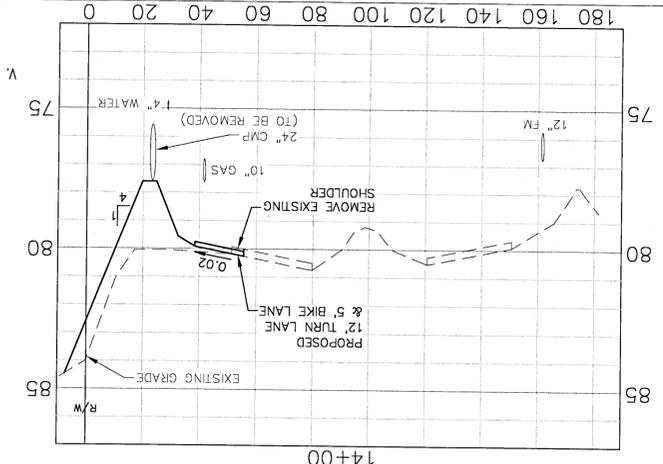
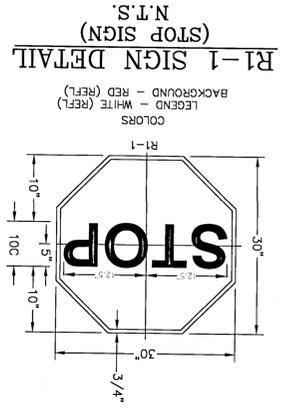
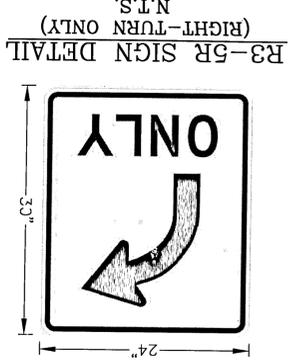
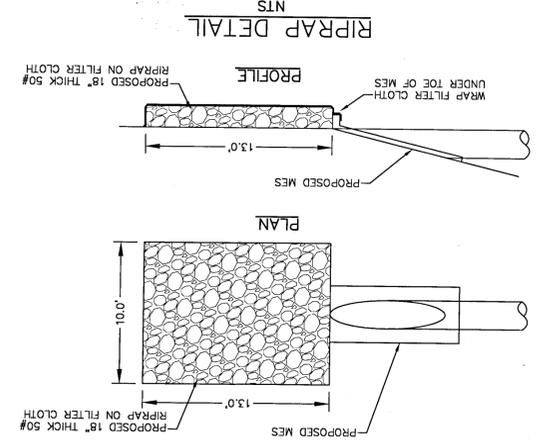
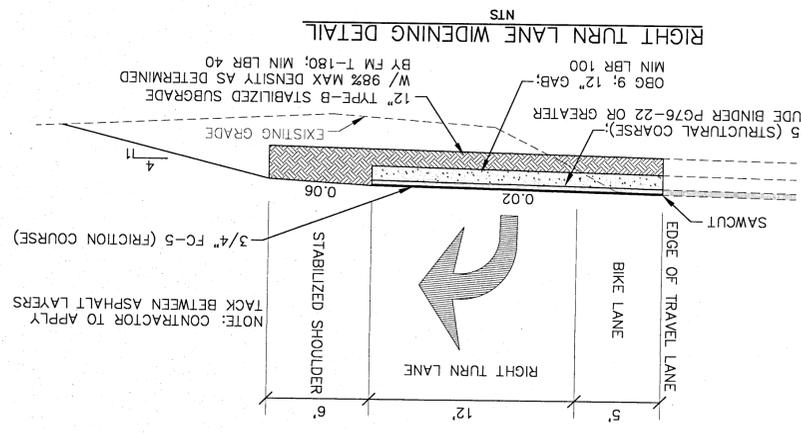
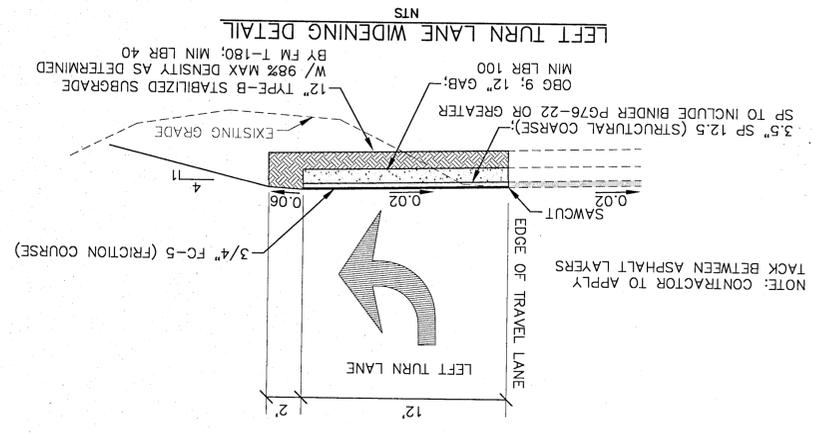
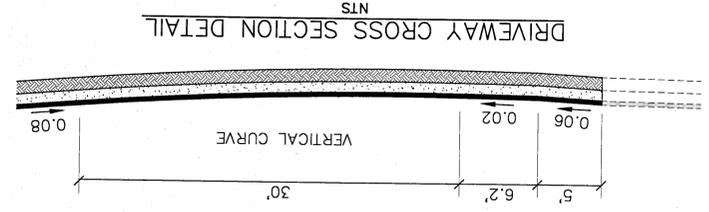
NUMBER	REVISION	DATE
1	FINAL DESIGN APPROVALS	12/04/20
2	ECVA COMMENT REVISIONS	2/24/21
3	ECVA COMMENT REVISIONS	3/21/21

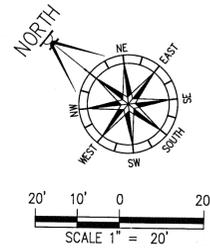
TURTLE CREEK
 FDOT CROSS-SECTIONS

DAVID W. FITZPATRICK
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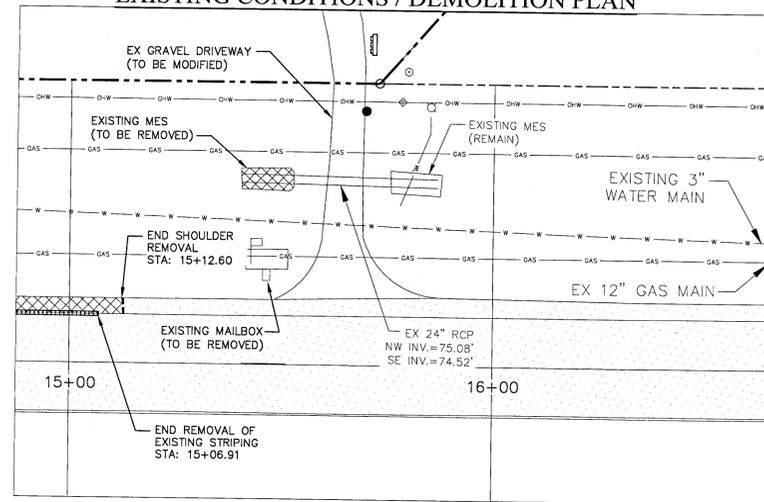
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECVA'S ENGINEERING MANUAL

FDOT NOTES:
 1. UTILITIES SHOWN WERE NOT LOCATED IN THE FIELD. ALL UTILITY LOCATIONS AND DEPTHS ARE ASSUMED. OTHER UTILITIES NOT SHOWN MAY BE PRESENT. CONTRACTOR IS TO VERIFY LOCATION AND DEPTHS OF ALL UTILITIES PRIOR TO INITIATING CONSTRUCTION.
 2. PROPOSED WORK IS WITHIN THE LIMITS OF FDOT ROADWAY MILLING AND RESURFACING PROJECT 437746-1-52-01, WHICH WILL LIKELY EXTEND INTO (BUT POSSIBLY BEYOND) SEPTEMBER, 2020. CONTRACTOR TO COORDINATE WITH THE ROADWAY CONTRACTOR, INC., IF ANY WORK IS TO COMMENCE PRIOR TO THE COMPLETION OF THE FDOT PROJECT.
 3. TREE REMOVAL WITHIN THE FDOT RIGHT-OF-WAY REQUIRES APPROVAL FROM FDOT.

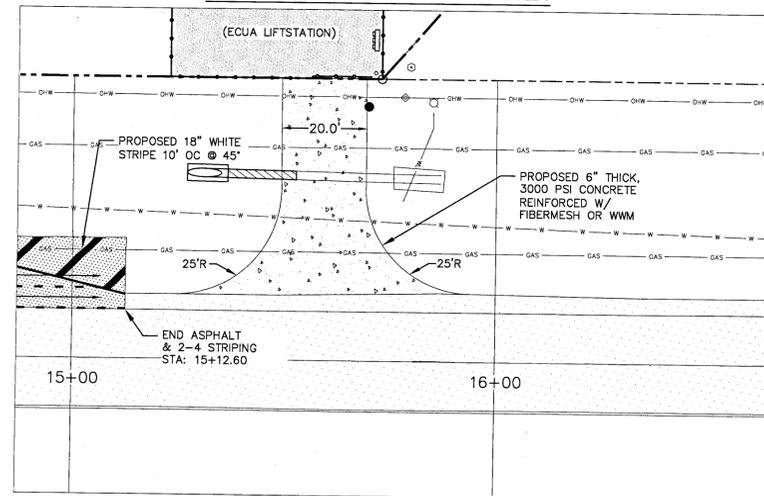




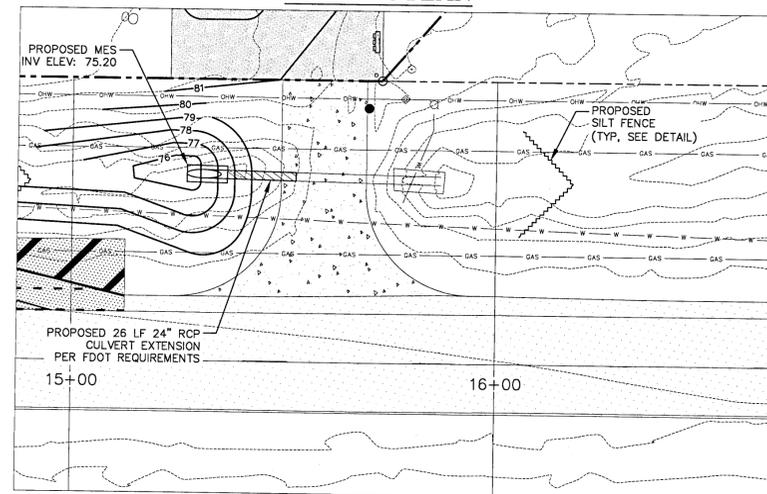
EXISTING CONDITIONS / DEMOLITION PLAN



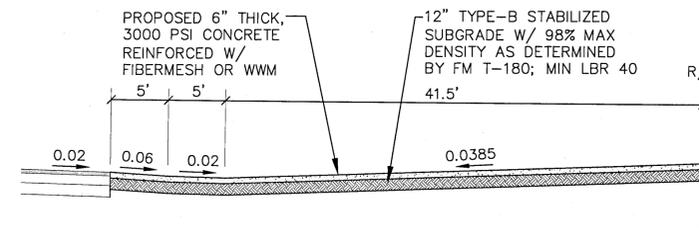
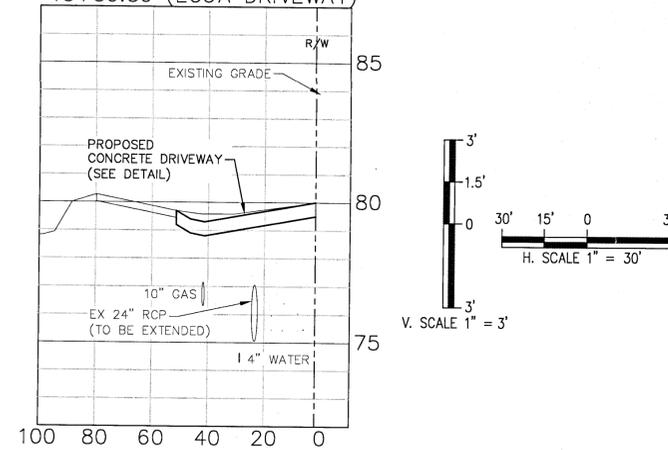
DIMENSION / STRIPING PLAN



GRADING PLAN



15+59.39 (ECUA DRIVEWAY)



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TURTLE CREEK
 HWY 29 - ECUA DRIVEWAY

DATE	REVISION
12/20/18	1 FOOT DRAINAGE COMMENT REVISIONS
2/26/21	2 ECUA COMMENT REVISIONS
3/11/21	3 ESCAMBIA COUNTY COMMENT REVISIONS

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

 DAVID W. FITZPATRICK
 No. 4781
 STATE OF FLORIDA
 CIVIL ENGINEER

PROJECT NUMBER: 18-039
 PLOT DATE: 3/31/21
 SHEET C40 OF C40