

EMERALD COAST
UTILITIES AUTHORITY

BOARD MEMBERS

DISTRICT 1- VICKI CAMPBELL

DISTRICT 2- LOIS BENSON
BOARD CHAIRMAN

DISTRICT 3- LARRY WILLIAMS



BRUCE WOODY, P.E.
EXECUTIVE DIRECTOR

CAPITAL IMPROVEMENTS PROGRAM

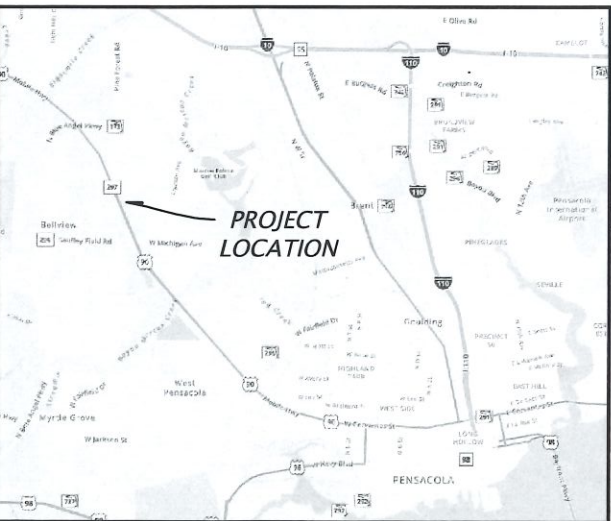
ECUA CIP PROJECT NO. RT901

MAY 2022

BID NO. CC2022-__

ECUA GODWIN LANE TRUCK ACCESS

6722 PINE FOREST RD.
PARCEL: 2515314302000000



LOCATION MAP
SCALE: N.T.S.

ISSUED FOR PERMIT



Mott MacDonald Florida, LLC.
220 West Garden Street
Suite 700
Pensacola, FL 32502
United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

Approved
ESCAMBIA COUNTY DRC PLAN REVIEW

DRC Chairman Signature

Printed Name: Jennifer Hampton
Development Services Director or Designee

5-25-22
Date

This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.

DALE PERKINS -DISTRICT 4

KEVIN STEPHENS -DISTRICT 5
BOARD VICE CHAIRMAN

ALL WORK TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT MANUAL, THIS DOCUMENT & THE CURRENT EDITION OF E.C.U.A.'S ENGINEERING MANUAL.

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 the Plans, Contractor shall consult Engineer of Record on the appropriate resolution.

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

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

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

Rev	Date	Drawn	Description	Ch'k'd	App'd



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Client
Emerald Coast
Utilities Authority



Title
ECUA Godwin Lane
Truck Access
COVER SHEET

MOTT MACDONALD PROJECT NO. 502100402-016

DRAWING INDEX	
SHEET	DESCRIPTION
CIVIL	
C-001	COVER SHEET
C-002	SIGNATURE SHEET
C-003 - C-004	GENERAL NOTES
C-005	EXISTING SITE, DEMOLITION & EROSION CONTROL PLAN
C-006	PROJECT CONTROL & OVERALL SITE PLAN
C-007	LINE & CURVE TABLES
C-008	GEOMETRY & GRADING PLAN
C-009	PROFILE - ACCESS ROAD
C-010 - C-012	CROSS SECTIONS - ACCESS ROAD
C-013	LANDSCAPING PLAN
C-014 - C-015	DETAILS
C-016	EROSION CONTROL PLAN

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THIS DRAWING IS PART OF A DIGITALLY SIGNED AND SEALED SET OF DRAWINGS. IN ACCORDANCE WITH 61G15-23.004, F.A.C. PRINTED COPIES OF THIS DRAWING ARE NOT CONSIDERED SIGNED AND SEALED AND ALL SIGNATURES MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Project Number 502100402-016		B/O 1	Total 16
Designed S. WHITE	Eng check S. WHITE	Drawn C. RILEY	Coordination S. WHITE
Dwg check S. WHITE	Approved S. WHITE	Scale at ANSI D SEE PLAN	Status PRE
Drawing Number C-001		Rev STD	

User Name: RL35258
Time Stamp: May 09, 2022 - 2:14:02PM
Drawing Name: C-002 Signature Sheet.dwg
Drawing Path: F:\Users\rl35258\OneDrive\Drawings\Chilard\drawing\Sheet\Plan Set



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
Steven D White
ON THE DATE ADJACENT TO THE SEAL

Digitally signed by Steven D White
DN: cn=Steven D White, c=US, o=Florida,
email=steven.white@mottmac.com
Date: 2022.05.17 12:31:13 -0500

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Mott MacDonald Florida, LLC.
220 West Garden Street
Pensacola, FL 32502

CERTIFICATE OF AUTHORIZATION: EB-0000155
STEVEN D. WHITE, P.E. NO. 58809

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

Sheet Number	Sheet Title
C-001	Cover Sheet
C-002	Signature Sheet
C-003	General Notes
C-004	General Notes
C-005	Existing Site, Demolition & Erosion Control Plan
C-006	Project Control & Overall Site Plan
C-007	Line & Curve Tables
C-008	Geometry & Grading Plan
C-009	Profile - Access Road
C-010	Cross Sections - Access Road
C-011	Cross Sections - Access Road
C-012	Cross Sections - Access Road
C-013	LANDSCAPING PLAN
C-014	DETAILS
C-015	DETAILS
C-016	EROSION CONTROL DETAILS

Rev	Date	Drawn	Description	Ch'k'd	App'd
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MOTT
MACDONALD

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Title

ECUA Godwin Lane
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SIGNATURE SHEET

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Project Number		B/O	Total
502100402-016		2	16
Designed	S. WHITE	Eng check	S. WHITE
Drawn	C. RILEY	Coordination	S. WHITE
Dwg check	S. WHITE	Approved	S. WHITE
Scale at ANSI D	Status	Rev	Security
SEE PLAN	PRE		STD

Drawing Number
C-002

I. GENERAL NOTES

1. THE CONTRACTOR AND ALL SUBCONTRACTORS, HEREINAFTER REFERRED TO AS "CONTRACTOR", SHALL HAVE SOMEONE TO RECEIVE CALLS AND DISPATCH PROPER PERSONNEL AND EQUIPMENT ON A TWENTY-FOUR (24) HOUR BASIS FOR EMERGENCIES.
2. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT AS REQUIRED TO ACCOMPLISH THE SPECIFIED WORK.
3. THE CONTRACTOR IS ADVISED NOT TO SCALE FROM DRAWINGS BUT TO FIELD VERIFY ALL DIMENSIONS. THE DIMENSIONS OF SPECIFIED AND FURNISHED PRODUCTS AND MATERIALS TAKE PRECEDENCE OVER DIMENSIONS AND NOTES SHOWN ON THE DRAWINGS.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION," HEREINAFTER REFERRED TO AS FDOT SPECS.
5. ALL ASPECTS OF THE STORM WATER, DRAINAGE AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.
6. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ECUA ANY DEVIATIONS MAY RESULT IN DELAYS IN OWNER ACCEPTANCE OF IMPROVEMENTS.
7. THE CONTRACTOR SHALL NOTIFY ECUA 48 HOURS IN ADVANCE PRIOR TO INITIATING WORK

II. CONTRACTUAL NOTES

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF ALL CONSTRUCTION SCHEDULES. ALL COSTS INCURRED BY THE CONTRACTOR FOR THE COORDINATION EFFORTS WILL BE INCIDENTAL TO EXISTING PAY ITEMS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, ALL APPROVED PERMITS, AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.
3. DRAWING GEOMETRY, INCLUDING ALL DIMENSIONS GIVEN, IS APPROXIMATE AND DOES NOT PURPORT TO BE ABSOLUTELY CORRECT. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS WHICH WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS SHALL BE BASED.
4. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
5. ALL DIMENSIONS SHOWN ARE COMPACTED DIMENSIONS.
6. THE CONTRACTOR IS DIRECTED TO PERFORM HIS OWN SITE INSPECTION TO HIS SATISFACTION PRIOR TO BID AND ACQUAINT HIMSELF THOROUGHLY WITH ALL EXISTING FACILITIES AND CONDITIONS AND TO INCLUDE ANY REASONABLE CONTINGENCIES IN HIS BID.
7. THE LOCATIONS OF NEW UTILITIES AND STRUCTURES SHOWN ARE APPROXIMATE. FINAL PROJECT LOCATION MAY REQUIRE FIELD ADJUSTMENT BY THE ENGINEER UPON THE CONTRACTOR'S VERIFICATION OF ALL UTILITIES.
8. IN NO CASE SHALL THE CONTRACTOR RECEIVE ADDITIONAL COMPENSATION TO FINAL GRADES AND LINES ADJUSTMENTS MADE DUE TO THE LOCATION OF EXISTING UTILITIES.
9. NO DIRECT PAYMENT SHALL BE MADE FOR EXTRA BURY ON THIS PROJECT.
10. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL 'AS-BUILT' SIGN OFF FROM THE COUNTY.
11. EARTHWORK IS BASED ON ESTIMATED QUANTITIES AND THE ENGINEER SHALL DETERMINE THE FINAL QUANTITIES UPON COMPLETION OF ALL REQUIRED WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS WORK OPERATIONS TO EXISTING FACILITIES TO REMAIN.
13. ALL GEOTECHNICAL INFORMATION THAT WAS USED BY THE ENGINEER, IS AVAILABLE TO THE CONTRACTOR, A COPY IS INCLUDED IN THE SPECIFICATIONS INDICES.
14. THE CONTRACTOR, AT HIS EXPENSE, MAY TAKE ADDITIONAL TEST BORINGS AND EXPLORATORY INVESTIGATIONS PRIOR TO BIDDING AND DURING THE LIFE OF THE CONTRACT. COORDINATION WITH THE ENGINEER IS REQUIRED.
15. THE CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES, (SIZE, MATERIAL OF CONSTRUCTION, ELEVATION, ETC.) TO HIS SATISFACTION.
16. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE OSHA EXCAVATION SAFETY STANDARDS AND TO ABIDE BY THEM.
17. THE CONTRACTOR AND FOREMAN ASSIGNED TO THIS PROJECT SHALL ATTEND A MANDATORY PRE-CONSTRUCTION MEETING PRIOR TO COMMENCING WORK.
18. WHEN THE CONTRACT DOES NOT INCLUDE A PAY ITEM FOR A REQUIRED EFFORT, PERFORMANCE OF SUCH EFFORT IS CONSIDERED AN INCIDENTAL (LABOR AND MATERIAL) TO THE MAIN EFFORT. PAYMENT FOR SUCH ITEM SHALL BE INCLUDED IN THE MOST APPLICABLE PAY ITEM.
19. WHEN THE CONTRACT DOES NOT INCLUDE A PARTIAL PAYMENT METHOD FOR COMPUTING A LUMP SUM ITEM, THE PARTIAL PAYMENT SHALL BE LIMITED TO THE ENGINEER'S ESTIMATED PERCENT COMPLETE OF THE WORK REQUIRED UNDER THIS ITEM. WHEN THE EFFORT IS SPREAD THROUGHOUT THE CONTRACT DURATION. THE PERCENT OF WORK COMPLETED SHALL NOT EXCEED THE PERCENT COMPLETE OF THE TOTAL CONTRACT.
20. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AGENCIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE AND ABIDE BY ALL REQUIREMENTS OF NPDES AND/OR DEWATERING PERMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ANY INSPECTION OR TESTING REQUIRED TO SECURE AND/OR MAINTAIN COMPLIANCE WITH NPDES OR DEWATERING PERMITS.
21. AMPLE MEANS SHALL BE PROVIDED DURING CONSTRUCTION TO REMOVE AND DISPOSE OF ALL WATER ENTERING TRENCH AND STRUCTURE EXCAVATIONS. SAID DEWATERING SHALL CONTINUE DURING CONSTRUCTION TO KEEP THE GROUND WATER BELOW THE LEVEL OF BACKFILL AT ALL TIMES. THE CONTRACTOR MAY USE ANY DEWATERING METHOD HE DEEMS FEASIBLE TO COMPLY WITH THE THESE CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING AND TESTING REQUIRED TO PERFORM ANY DEWATERING OPERATIONS NECESSARY TO COMPLETE THE WORK.
22. DISCHARGE FROM THE DEWATERING SYSTEM SHALL BE SUCH THAT IT WILL NOT ENDANGER PUBLIC HEALTH, DAMAGE PROPERTY, OR ADVERSELY AFFECT ANY PORTION OF THE WORK UNDER CONSTRUCTION. CARE SHOULD BE TAKEN TO PREVENT THE WASHING OF SOIL INTO WATERCOURSES OR STORM SEWERS DURING DISCHARGE.
23. COST FOR DEWATERING SHALL BE INCLUDED IN THE PRICE FOR THE RELATED ITEMS.

III. SITE NOTES

1. GRADE ALL AREAS WITHIN THE CONSTRUCTION LIMITS TO PROVIDE UNIFORM CONTOURS AND GRADES SO THAT DRAINAGE FLOW, GRASS MOWING AND CUTTING OPERATIONS ARE NOT HINDERED BY TERRAIN IRREGULARITY. PERFORM THIS WORK REGARDLESS OF WHETHER THE IRREGULARITIES WERE THE RESULT OF CONSTRUCTION OPERATIONS OR EXISTED ORIGINALLY. ALL DISTURBED AREAS TO BE DRESSED, SEEDED/SODDED, FERTILIZED, WATERED AND MAINTAINED THROUGHOUT THE CONTRACT.
2. ANY DAMAGE TO THE EXISTING GROUNDS IN AREAS OUTSIDE OF THE LIMITS OF CONSTRUCTION FOR THIS PROJECT WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AS DIRECTED BY THE PROJECT ENGINEER.
3. ALL AREAS TO BE CUT OR FILLED SHALL BE CLEARED AND GRUBBED. ALL RIGHT-OF-WAYS, EASEMENTS, AND RETENTION POND AREA ARE TO BE CLEARED AND GRUBBED. CLEARING AND GRUBBING SHALL BE AS PER SECTION 110 OF THE FDOT SPECIFICATIONS.
4. EXISTING UTILITIES AND STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHOULD PREVENT DAMAGE TO TREES OUTSIDE OF, BUT WITHIN CLOSE PROXIMITY TO THE PROJECT'S LIMITS OF CONSTRUCTION. GRADING AROUND TREES DESIGNATED TO REMAIN SHALL BE PERFORMED IN A MANNER THAT WILL NOT CAUSE ANY DAMAGE TO THE TREES. AT A MINIMUM, WORK AROUND TREES DESIGNATED TO REMAIN SHALL BE PLACED OUTSIDE THE DRIP LINE OF THE TREES.
6. NO DIRECT PAYMENT SHALL BE MADE FOR THE INCIDENTAL REMOVAL AND DISPOSAL OF TREES, SHRUBS AND DEBRIS. ALL DISPOSALS SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.
7. WHEN TREE REMOVAL IS AUTHORIZED BY THE ENGINEER FOR TREES DESIGNATED TO REMAIN BEING LESS THAN SIX (6) FEET TALL, OR TWO (2") INCH IN DIAMETER, SUCH TREES SHALL BE REMOVED, CAREFULLY PRESERVED AND REPLANTED BY THE CONTRACTOR. RESTORATION OF TREES WITHIN THE CONSTRUCTION SERVITUDE SHALL NOT BE CONSIDERED A WARRANTY ITEM. RESTORATION OF TREES OUTSIDE THE CONSTRUCTION SERVITUDE SHALL BE CONSIDERED A WARRANTY ITEM.
8. ALL ROADSIDE DITCHES AND AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE CONSTRUCTION SERVITUDES ARE TO BE SLOPED TO DRAIN, GRADED, SODDED AND FERTILIZED WITHIN 30 DAYS AFTER CONSTRUCTION IS COMPLETE.
9. WITHIN THIRTY- (30) DAYS OF THE INSTALLATION OF PAVEMENT ALL FINAL DRESS UP AND RESTORATION WORK MUST BE COMPLETED. ALL CONSTRUCTION AND CLEAN UP WORK MUST BE COMPLETED BY THE CONTRACTOR AT THE SAME TIME. FAILURE TO MEET THIS REQUIREMENT SHALL CAUSE ALL WORK TO CEASE UNTIL COMPLIANCE IS ACHIEVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL OBSTRUCTIONS WITHIN THE LIMITS OF WORK SUCH AS FENCING, STREET SIGNS, SHRUBS AND TREES STOP SIGNS, (MAIL BOXES WHEN DIRECTED BY THE ENGINEER) AND MISCELLANEOUS OBSTRUCTIONS. ANY SUCH OBJECTS REMOVED SHALL BE REPLACED WITHIN A 24-HOUR PERIOD. IF A TRAFFIC SIGN IS REMOVED, A PORTABLE TEMPORARY SIGN SHALL BE INSTALLED UNTIL THE PERMANENT SIGN CAN BE REPLACED. PAYMENT FOR THIS EFFORT SHALL BE UNDER "REMOVAL OF STRUCTURES AND OBSTRUCTIONS" PAY ITEM.
11. RELOCATION OF THE OBSTRUCTIONS OWNED BY PRIVATE PROPERTY OWNER, SUCH AS MAILBOXES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO MUST COORDINATE WITH THE PROPERTY OWNER.
12. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWER, STORM DRAINS, WATER OR GAS PIPES, ELECTRICAL CONDUITS, POLES, WALLS, POSTS, ETC., ARE TO BE CAREFULLY PROTECTED & ARE NOT TO BE DISPLACED, UNLESS NOTED.
13. ANY EXCESS MATERIALS REMOVED DURING CONSTRUCTION AND DEEMED REUSABLE BY THE ENGINEER SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND BECOME THE PROPERTY OF THE OWNER. ALL OTHER MATERIALS SHALL BE HAULED OFF BEYOND THE LIMITS OF THE PROJECT AT NO ADDITIONAL EXPENSE TO THE OWNER.
14. BEGIN EXCAVATION AND CLEARING OPERATIONS AT THE DOWNSTREAM END OF CHANNELS, STREAMS OR DITCHES AND PROCEED UPSTREAM, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
15. ALL TRANSVERSE JOINTS SHALL BE SAW CUT.
16. ANY EXISTING AREAS WHICH ARE DISTURBED AS A RESULT OF CONSTRUCTION SHALL BE SHAPED, AS NECESSARY, SO THAT IT SHALL NOT IMPEDE STORM WATER RUNOFF. CONTRACTOR TO INSURE ALL GROUND COVER TO BE FULLY ESTABLISHED PRIOR TO FINAL COMPLETION.
17. ALL EXISTING STORM WATER DRAINAGE PATTERNS AND CHANNELS ARE TO BE MAINTAINED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE WORK APPEARS TO INTERRUPT AN EXISTING STORM WATER DRAINAGE PATTERN. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION AND SHALL USE BEST MANAGEMENT PRACTICES TO MANAGE STORM WATER SUCH THAT IMPACT TO CONSTRUCTION AND/OR SURROUNDING FACILITIES IS MINIMIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION, SEDIMENT TRANSPORT, DISTURBED FOUNDATIONS AND IMPACT TO STRUCTURES, AND ANY OTHER DAMAGE CAUSED DURING CONSTRUCTION.
19. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND STRUCTURES, WHICH ARE NOT IN SERVICE AS NECESSARY FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. THESE INCLUDE PIPES, VALVES, DRAINAGE STRUCTURES, ETC., AS INDICATED ON THE CONTRACT PLANS. CONTRACTOR SHALL NOTIFY THE PROJECT OWNER AND ENGINEER OF ALL DISCOVERED UNDERGROUND STRUCTURES WHICH ARE IN CONFLICT WITH THE INSTALLATION OF THE PROPOSED IMPROVEMENTS AND ARE NOT INDICATED ON THE CONTRACT PLANS OR LOCATED IN THE FIELD BY UTILITIES IN ACCORDANCE WITH NOTES HEREON.

IV. UTILITY NOTES

1. THE CONTRACTOR IS ADVISED THAT EXISTING OVERHEAD AND UNDERGROUND UTILITIES SUCH AS (BUT NOT LIMITED TO) ELECTRICAL LINES AND POLES, TELEPHONE CABLES, TELEVISION CABLES, GAS LINES, WATER LINES, AND SANITARY SEWERS MAY EXIST IN THE CONSTRUCTION LIMITS WHERE THE PROPOSED IMPROVEMENTS ARE REQUIRED. UTILITY FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE LOCATIONS (NOT SCALEABLE) AND DO NOT INCLUDE SERVICE LOCATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING & PROTECTING EXISTING UTILITIES DURING THE PERFORMANCE OF WORK TO BE INSTALLED UNDER THIS CONTRACT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES, PROBE OR EXPOSE THEM BY HAND EXCAVATION, AND FOLLOW ALL APPLICABLE OSHA REGULATIONS AT NO COST TO THE OWNER. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITIES, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF LOCATING, PRESERVING & PROTECTING SAID UTILITY OR STRUCTURES.
2. THE CONTRACTOR SHALL FIELD LOCATE AND INCLUDE CONSIDERATION OF EXISTING UTILITIES IN PLANNING AND PRIOR TO EXECUTION OF WORK. THE LOCATION OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON INFORMATION PROVIDED BY THE UTILITIES AND SHALL BE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO THE STARTING OF CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
3. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE EXECUTION OF WORK UNDER THIS CONTRACT SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR INCREASE TO CONTRACT TIME. THE OWNER DOES NOT ASSUME OR IMPLY TO ANY LIABILITY FOR THE LOCATION, PROTECTION, AND/OR REPAIR OF ANY EXISTING UTILITIES THAT MAY OCCUPY JOINT RIGHT-OF-WAY OR OTHERWISE CONFLICT WITH THE CONSTRUCTION OF THE WORK TO BE INSTALLED UNDER THIS CONTRACT.

4. THERE SHALL BE NO DIRECT PAYMENT FOR LOCATING, EXPOSING, AND BRACING EXISTING UTILITY LINES WHERE REQUIRED. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN TRENCHING IN AREAS NEAR UTILITIES. SHOULD CONFLICTS OCCUR WHICH CAUSE THE LOCATION OF LINES AND GRADES, STORM DRAIN, MAINS OR SERVICES REQUIRED UNDER THIS CONTRACT TO BE CHANGED, THE SAME CONTRACT UNIT PRICES SHALL PREVAIL.
5. WHEN IT IS NECESSARY TO PERFORM WORK ACROSS A STREET BY OPEN CUT METHODS, THE PAVEMENT SHALL BE REPAIRED WITHIN SEVEN (7) DAYS AFTER BACKFILL HAS BEEN COMPLETED TO THE BASE OF THE PAVEMENT. APPROVAL SHALL BE OBTAINED FROM THE UTILITY OWNER AT LEAST 48 HOURS BEFORE CUTTING ANY STREET.
6. SHEETING OR TRENCH BOXES WILL BE REQUIRED ON ALL EXCAVATIONS (WHERE REQUIRED BY OSHA) INCLUDING, OR AS OTHERWISE DIRECTED BY THE ENGINEER. SHEETING MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS. SHEETING INSTALLED AND SUBSEQUENTLY REMOVED SHALL BE AT NO DIRECT PAY. SHEETING INSTALLED AND ORDERED LEFT IN PLACE BY THE ENGINEER SHALL BE PAID FOR PER FOR "TEMPORARY SHEETING" WHEN INCLUDED IN THE BID FORM.
7. ANY OPEN EXCAVATION NEAR A RESIDENCE OR THE EDGE OF A ROADWAY SHALL BE BACKFILLED OR PROPERLY SECURED WITH BARRICADES AND/OR FLASHING LIGHTS. IN ADDITION, THE CONTRACTOR SHALL PLACE AND MAINTAIN ADEQUATE BARRICADES, CONSTRUCTION SIGNS, FLASHING LIGHTS, TORCHES, RED LANTERNS AND GUARDS DURING PROGRESS OF CONSTRUCTION WORK, IN ACCORDANCE WITH APPLICABLE MUTCD INDEX.
8. PROVIDE MATTING OVER ALL BURIED PIPELINES TO PROTECT UTILITIES FROM CONSTRUCTION TRAFFIC.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE TOP ELEVATION OF ALL WATER VALVE BOXES, MANHOLES, AND INLETS AS REQUIRED TO MATCH NEW GRADES (TO A TOLERANCE OF 1/4" ± FROM FINISHED GRADE).
10. THE CONTRACTOR SHALL NOTIFY THE EMERALD COAST UTILITIES AUTHORITY 72 HOURS PRIOR TO THE COMMENCEMENT OF THIS PROJECT. NOTIFICATION SHALL BE IN WRITING.
11. ROUGH GRADING OF RIGHT-OF-WAYS MUST BE ESTABLISHED PRIOR TO COMMON TRENCH UTILITY INSTALLATION TO ENSURE UTILITIES ARE INSTALLED WITHIN MINIMUM & MAXIMUM DEPTHS.
12. ALL PROPOSED UNDERGROUND UTILITIES WITHIN R/W OR UTILITY CONDUIT FOR ROAD CROSSINGS SHALL BE INSTALLED PRIOR TO PAVING. NO STREETS OR ROADS UNDER THE 2 YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT, OR JACK & BORED UNLESS SPECIFICALLY APPROVED BY THE CITY ENGINEER. TO ACCOMPLISH THIS REQUIREMENT, COMMON TRENCHING IS REQUIRED WHENEVER POSSIBLE. 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 & THE UTILITY COMPANY WILL BE REQUIRED TO USE THE CONDUIT. THIS SHALL REQUIRE PLANNING BETWEEN THE DEVELOPER, CONTRACTOR & THE UTILITY COMPANY.
13. THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, GAS, SEWER, TELEPHONE & POWER COMPANIES 10 DAYS IN ADVANCE THAT HE INTENDS TO START WORK IN A SPECIFIC AREA. THE CONTRACTOR SHALL NOT BE ALLOWED TO TRENCH UNTIL ALL EXISTING UTILITIES ARE LOCATED.
14. THE OWNER DISCLAIMS ANY RESPONSIBILITY FOR THE SUPPORT & 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.
15. WATER MAINS ARE TO HAVE A MINIMUM COVER OF 30 INCHES & A MAXIMUM COVER OF 36 INCHES UNLESS APPROVED OTHERWISE BY ECUA

16. ALL UTILITY WORK WITHIN WETLANDS, WILDLIFE HABITAT OR ASSOCIATED BUFFER ZONE SHALL BE PERFORMED IN COMPLETE AND MOST RESTRICTIVE ADHERENCE TO THE APPLICABLE PERMITS. IN ABSENCE OF A SPECIFIC PERMIT, ALL UTILITY ABANDONMENT SHALL BE IN PLACE.
17. THE CONTRACTOR SHALL NOTIFY SUNSHINE UTILITIES (1-800-432-4770), 48 HOURS IN ADVANCE TO ANY DIGGING RELATED TO THIS PROJECT.
18. TEMPORARY EXCAVATION SUPPORT MAY BE NECESSARY TO PROTECT ADJACENT PROPERTY, UTILITIES, AND THE WORK SITE WHERE SANITARY SEWERAND/OR STORM WATER COLLECTION/TRANSMISSION SYSTEM INSTALLATION IS AT A DEPTH GREATER THAN THAT DEFINED UNDER OSHA (29 CFR 1926.650 SUBPART P.) LATEST REVISION. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ADJACENT PROPERTY, UTILITY AND WORK SITE ARE ADEQUATELY PROTECTED IN ACCORDANCE WITH ALL APPLICABLE REGULATORY AGENCY REQUIREMENTS. MANUFACTURED AND SITE SPECIFIC EXCAVATION SUPPORT AND PROTECTION SYSTEMS SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. THE COST ASSOCIATED WITH EXCAVATION SUPPORT AND PROTECTION IS TO BE INCLUDED IN THE UNIT COST BID FOR EACH ITEM OF WORK REQUIRING THE SAME.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILIZING ACCEPTABLE MEANS AND METHODS, AS NECESSARY TO PLACE AND COMPLETELY BACKFILL TO FINISHED GRADE NEW MAINS AND STRUCTURES IN A WATER FREE EXCAVATION. THE MEANS AND METHODS OF DE-WATERING THE EXCAVATION SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS FOR TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE (INCLUDING FDEP CHAPTER 62-621 "GENERAL PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY"). THE COST ASSOCIATED WITH EXCAVATION DE-WATERING IS TO BE INCLUDED IN THE UNIT COST BID FOR EACH ITEM OF WORK REQUIRING THE SAME.
20. CONTRACTOR TO COORDINATE WITH RESPONSIBLE UTILITY FOR PROTECTION/HOLDING OF UTILITY POLES, GUY WIRES, AND GUY ANCHORS IN AREAS OF CONSTRUCTION.
21. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE LAYOUT OF THE PROPOSED IMPROVEMENTS. ANY DEVIATION FROM THE PRESCRIBED ALIGNMENT NECESSARY TO AVOID CONFLICTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER OR OWNER.
22. CONTRACTOR IS ADVISED THAT ALL PIPE IS SUBJECT TO CAMERA INSPECTION PRIOR TO ACCEPTANCE.
23. CONSTRUCTION OF WATER IMPROVEMENTS SHALL BE IN COMPLIANCE WITH THE SPECIAL CONDITIONS OF THE & SPECIFICATIONS OF EMERALD COAST UTILITIES AUTHORITY, LATEST EDITION.
24. THE UTILITY CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE SAME SCALE AS THESE CONTRACT DRAWINGS, ONE COPY TO THE ENGINEER AND ONE COPY TO THE LOCAL UTILITY AUTHORITIES. THESE DRAWINGS SHALL LOCATE ALL IMPROVEMENTS APPURTENANCES CONSTRUCTED AS PART OF THIS PROJECT. FINAL "AS-BUILT" DRAWINGS TO BE SUBMITTED TO THE ENGINEER WITHIN 30 DAYS AFTER COMPLETION OF WORK.

Rev	Date	Drawn	Description	Ch'k'd	App'd

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Client
Emerald Coast Utilities Authority

Title
ECUA Godwin Lane Truck Access

GENERAL NOTES

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Project Number		B/O		Total	
502100402-016		3		16	
Designed	S. WHITE	Eng check	S. WHITE		
Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check	S. WHITE	Approved	S. WHITE		
Scale at ANSI D	Status	Rev	Security		
SEE PLAN	PRE		STD		
Drawing Number		C-003			

User Name: Whigg676
Time Stamp: May 16, 2022 - 8:18:40AM
Drawing Name: C-003 General Notes.dwg
Drawing Path: P:\2022\502100402\016 ECUA Godwin Lane Truck Access\Drawings\Civil\CAD Drawings\Sheet\Plan Set

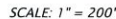
UTILITY COMPANIES CONTACTS

TELEPHONE
VERIZON BUSINESS
(850) 393-0699
MR MARK CANTRELL

PIPE LINES
FLORIDA ONE CALL
(800) 432-4770

TELEPHONE
AT&T CORPORATION
(386) 775-3414
(386) 775-4122
MR. BOB WADLEY

18. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION PONDS AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.

[illegible]

Rev	Date	Drawn	Description	Ch'k'd	App'd
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GENERAL NOTES

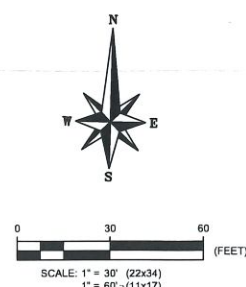
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Project Number 502100402-016			B/O 4		Total 16	
Designed	S. WHITE		Eng check	S. WHITE		
Drawn	C. RILEY		Coordination	S. WHITE		
Dwg check	S. WHITE		Approved	S. WHITE		

Scale at ANSI D SEE PLAN	Status PRE	Rev	Security STD
Drawing Number			

NOT ALL NOTES MAY APPLY

C-004



DEMOLITION NOTES:

1. CONTRACTOR SHALL CAREFULLY PROTECT AND PRESERVE ALL SITE FEATURES NOT SPECIFICALLY INDICATED FOR DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF FEATURES WHICH ARE TO REMAIN THAT ARE DAMAGED BY THEIR OPERATIONS. REPAIR OR REPLACEMENT OF ANY SUCH DAMAGED FEATURE SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
2. ALL CONCRETE AND ASPHALT SHALL BE SAW CUT IN NEAT STRAIGHT LINES AT EDGES TO REMAIN.
3. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

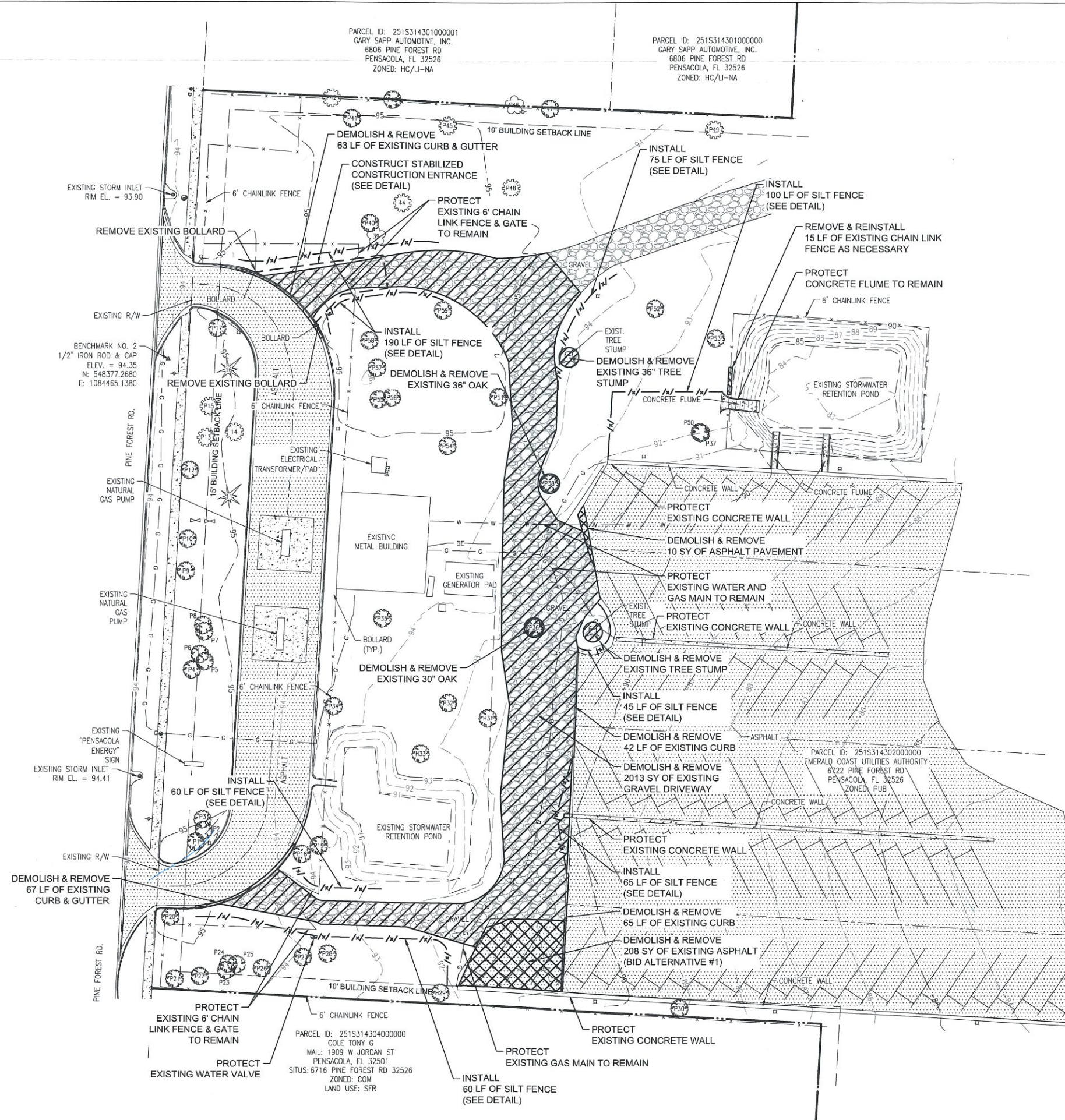
EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.
2. EROSION CONTROL SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. FAILURE TO CONTROL EROSION AND MAINTAIN SEDIMENT ON SITE DURING CONSTRUCTION MAY RESULT IN REGULATORY ENFORCEMENT AND/OR CIVIL PENALTIES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PAYMENT OF ANY FEES, FINES OR OTHER REGULATORY ENFORCEMENT PENALTIES WHICH RESULT FROM THEIR FAILURE TO CONTROL EROSION AND MAINTAIN SEDIMENT ON THE PORTIONS OF THE SITE WITHIN THE WORK AREA UNDER THEIR CONTROL.
3. EROSION CONTROL MEASURES SHOWN HEREON ARE TO BE CONSIDERED THE MINIMUM INSTALLATION REQUIREMENT. CONTRACTOR SHALL PROVIDE ANY MATERIAL ITEM OR WORK EFFORT NECESSARY TO CONTROL EROSION AND MAINTAIN SEDIMENT ON SITE THROUGHOUT THE DURATION OF CONSTRUCTION.
4. CONTRACTOR SHALL BE RESPONSIBLE TO SUBMIT A NOI FOR NPDES COVERAGE AND FOR PROVIDING A SWPPP AS REQUIRED. CONTRACTOR SHALL PROVIDE INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURE AS REQUIRED TO MAINTAIN COMPLIANCE WITH NPDES PERMIT CONDITIONS.

SURVEY NOTES:

5. 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 BFES 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 12033C0360G, MAP REVISION DATED SEPTEMBER 29, 2006." PRELIM MAPS JANUARY 27, 2017, MAP PANEL NUMBER 12033C0410J.

BENCHMARK NO. 1
1/2" IRON ROD & CAP
ELEV. = 94.58
N: 548117.5130
E: 1084357.0330



LEGEND

- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL
- AREA OF DEMOLITION
- EXISTING RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- EXISTING BURIED ELECTRIC
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED SILT FENCE

NOTE:

1. SEE TREE TABLE ON SHEET C-013.

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EXISTING SITE, DEMOLITION & EROSION CONTROL PLAN

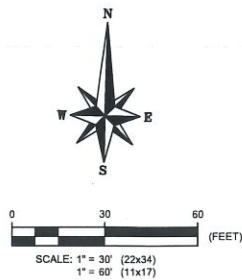
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Project Number	502100402-016	B/O	5	Total	16
Designed	S. WHITE	Eng check	S. WHITE		
Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check	S. WHITE	Approved	S. WHITE		
Scale at ANSI D	SEE PLAN	Status	PRE	Rev	Security
Drawing Number					STD

C-005

User Name: RL36356
Time Stamp: May 09, 2022 - 2:14:28PM
Drawing Name: C-005 Existing Site, Demolition & Erosion Control Plan.dwg
Drawing Path: P:\2022\100402-016 ecua godwin lane truck access\Drawings\Sheet\Plan Set



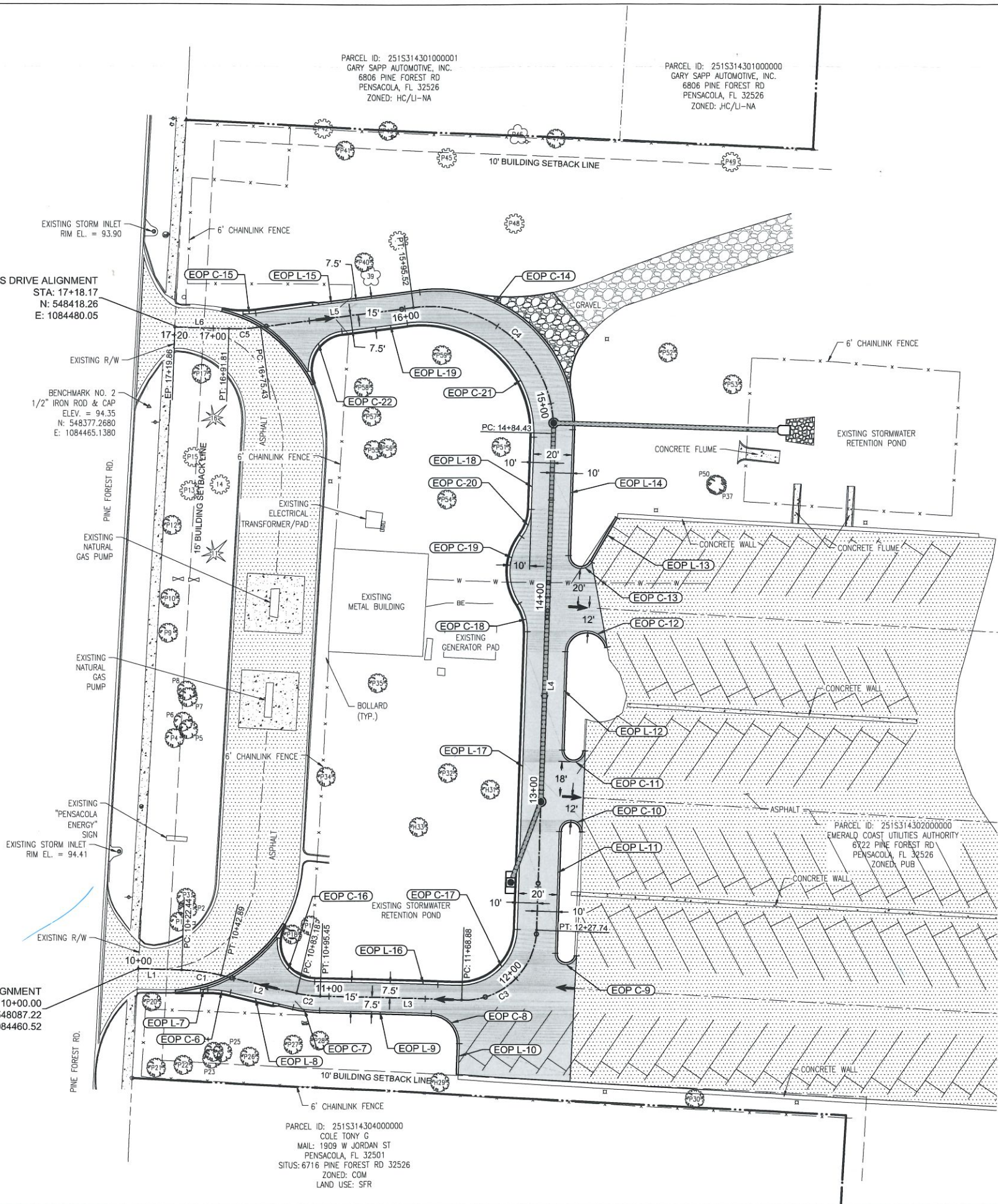
SITE CHARACTERISTICS WITHIN PROPERTY SURVEY LIMITS				
COVERAGE TYPE	EXISTING (FT2)	DEMOLISHED (FT2)	PROPOSED (FT2)	POST DEVELOPMENT TOTALS (FT2)
BUILDINGS	2,605	0	0	2,605
CONCRETE	6,348	310	2,241	8,279
ASPHALT	80,816	1,879	15,650	94,587
GRAVEL	20,520	17,876	834	3,478
TOTAL IMPERVIOUS AREA	110,289	20,065	18,725	108,949
OPEN AREA	101,210			102,550
TOTAL AREA	211,499		211,499	211,499
WETLANDS	0	0	0	0
TOTAL AREA EXCLUDING WETLANDS	211,499			211,499
% IMPERVIOUS COVERAGE	52.15%			51.51%
% IMPERVIOUS COVERAGE EXCLUDING WETLANDS	52.15%			51.51%
SITE DEVELOPMENT REGULATIONS				
ZONING DISTRICT	COM			
FUTURE LAND USE	MU-U			
SETBACKS	15' FRONT			
	10' SIDE			
	15' REAR			
MAX BUILDING HEIGHT:	150'			
FAR:	2.00			
MAXIMUM IMPERVIOUS LOT COVERAGE	85%			

NOTE:

THE PROPOSED SITE CONDITIONS DO NOT EXCEED THE 85 PERCENT MAXIMUM IMPERVIOUS AND SEMI-IMPERVIOUS COVER (MIN. 15% LANDSCAPE) REQUIREMENT OF THE PUB ZONING DISTRICT PER ESCAMBIA COUNTY LAND DEVELOPMENT CODE.

BENCHMARK NO. 1
1/2" IRON ROD & CAP
ELEV. = 94.58
N: 548117.5130
E: 1084357.0330
BEGIN ACCESS DRIVE ALIGNMENT
STA: 10+00.00
N: 548087.22
E: 1084460.52

END ACCESS DRIVE ALIGNMENT
STA: 17+18.17
N: 548418.26
E: 1084480.05



LEGEND

- EXISTING ASPHALT PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL
- EXISTING RIGHT-OF-WAY LINE
- EXISTING BURIED ELECTRIC
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED SILT FENCE

NOTE:

SEE SHEET C-007 FOR LINE & CURVE TABLES.

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PROJECT CONTROL & OVERALL SITE PLAN

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Project Number	502100402-016	B/O	6	Total	16
Designed	S. WHITE	Eng check	S. WHITE		
Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check	S. WHITE	Approved	S. WHITE		
Scale at ANSI D	SEE PLAN	Status	PRE	Rev	Security
Drawing Number	C-006				

CENTERLINE LINE TABLE						
LINE #	LENGTH	DIRECTION	START POINT (N,E)	END POINT (N,E)	BEGIN STA	END STA
L1	22.44	S 88° 18' 12" E	(548087.22,1084460.52)	(548086.55,1084482.95)	10+00.00	10+22.44
L2	40.29	S 76° 35' 00" E	(548083.87,1084503.19)	(548074.52,1084542.38)	10+42.89	10+83.18
L3	73.43	S 88° 18' 12" E	(548072.91,1084554.53)	(548070.73,1084627.93)	10+95.45	11+68.88
L4	256.69	N 01° 46' 18" E	(548107.06,1084666.52)	(548363.62,1084674.45)	12+27.74	14+84.43
L5	79.91	S 82° 18' 46" W	(548429.02,1084601.92)	(548418.34,1084522.74)	15+95.52	16+75.43
L6	28.05	N 88° 18' 12" W	(548417.48,1084506.40)	(548418.31,1084478.36)	16+91.81	17+19.86

CENTERLINE CURVE TABLE							
CURVE NO.	Δ	RADIUS	LENGTH	CHORD DISTANCE	CHORD BEARING	BEGIN STA	END STA
C1	011° 43' 11"	100.00	20.45	20.42	S 82° 26' 36" E	10+22.44	10+42.89
C2	011° 43' 11"	60.00	12.27	12.25	S 82° 26' 36" E	10+83.18	10+95.45
C3	089° 55' 31"	37.50	58.86	53.00	N 46° 44' 03" E	11+68.88	12+27.74
C4	099° 27' 32"	64.00	111.10	97.66	N 47° 57' 28" W	14+84.43	15+95.52
C5	009° 23' 03"	100.00	16.38	16.36	S 87° 00' 17" W	16+75.43	16+91.81

EOP LINE TABLE				
LINE #	LENGTH	DIRECTION	START POINT (N,E)	END POINT (N,E)
EOP L-7	3.82	N89° 48' 16.55"E	548076.31,1084492.64	548076.32,1084496.46
EOP L-8	33.32	S76° 35' 00.29"E	548074.95,1084508.23	548067.22,1084540.64
EOP L-9	57.95	S88° 18' 11.55"E	548065.41,1084554.30	548063.69,1084612.23
EOP L-10	15.94	S1° 40' 48.26"W	548048.26,1084626.78	548032.33,1084626.31
EOP L-11	62.84	N1° 46' 29.63"E	548095.11,1084676.15	548157.92,1084678.10
EOP L-12	50.82	N1° 46' 17.87"E	548200.05,1084679.40	548250.84,1084680.97
EOP L-13	26.21	S30° 13' 23.64"W	548319.90,1084707.82	548297.25,1084694.63
EOP L-14	65.07	N1° 46' 17.87"E	548300.46,1084682.51	548365.50,1084684.52
EOP L-15	85.73	S82° 18' 45.82"W	548437.03,1084605.19	548425.57,1084520.23
EOP L-16	73.95	S88° 18' 11.55"E	548080.49,1084551.73	548078.30,1084625.65
EOP L-17	153.92	N1° 46' 17.87"E	548107.36,1084656.52	548261.21,1084661.28
EOP L-18	37.34	N1° 46' 17.87"E	548324.43,1084663.24	548361.74,1084664.39
EOP L-19	34.12	S82° 18' 45.82"W	548421.02,1084598.66	548416.45,1084564.85

EOP CURVE TABLE							
CURVE NO.	Δ	LENGTH	RADIUS	CHORD DISTANCE	CHORD BEARING	START POINT (N,E)	END POINT (N,E)
EOP C-6	13°36'43"	11.88	50.00	11.85	S83° 23' 22"E	548076.32,1084496.46	548074.95,1084508.23
EOP C-7	11°43'11"	13.81	67.50	13.78	S82° 26' 36"E	548067.22,1084504.64	548065.41,1084554.30
EOP C-8	90°00'00"	23.56	15.00	21.21	S43° 18' 12"E	548063.69,1084612.23	548048.26,1084626.78
EOP C-9	170°14'30"	16.64	5.60	11.16	N83° 20' 45"W	548093.81,1084687.24	548095.11,1084676.15
EOP C-10	182°21'10"	18.78	5.90	11.80	S89° 02' 59"E	548157.92,1084678.10	548157.72,1084689.90
EOP C-11	179°47'30"	18.92	6.03	12.06	N88° 07' 27"W	548199.65,1084691.45	548200.05,1084679.40
EOP C-12	164°07'43"	31.65	11.05	21.89	N83° 50' 02"E	548250.84,1084680.97	548253.19,1084702.73
EOP C-13	153°46'26"	17.28	6.44	12.54	N75° 08' 17"W	548297.25,1084694.63	548300.46,1084682.51
EOP C-14	99°27'32"	121.51	70.00	106.82	N47° 57' 28"W	548365.50,1084684.52	548437.03,1084605.19
EOP C-15	7°32'20"	6.58	50.00	6.57	S86° 04' 56"W	548425.57,1084520.23	548425.12,1084513.67
EOP C-16	96°02'21"	33.52	20.00	29.73	S40° 17' 01"E	548103.18,1084532.51	548080.49,1084551.73
EOP C-17	89°55'31"	47.08	30.00	42.40	N46° 44' 03"E	548078.30,1084625.65	548107.36,1084656.52
EOP C-18	35°05'48"	15.31	25.00	15.08	N15° 46' 36"W	548261.21,1084661.28	548275.72,1084657.18
EOP C-19	70°11'37"	36.75	30.00	34.50	N1° 46' 18"E	548275.72,1084657.18	548310.20,1084658.25
EOP C-20	35°05'48"	15.31	25.00	15.08	N19° 19' 12"E	548310.20,1084658.25	548324.43,1084663.24
EOP C-21	99°27'32"	100.68	58.00	88.51	N47° 57' 28"W	548361.74,1084664.39	548421.02,1084598.66
EOP C-22	84°54'41"	29.64	20.00	27.00	S39° 51' 25"W	548416.45,1084564.85	548395.72,1084547.54

Rev	Date	Drawn	Description	Ch'k'd	App'd

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Title

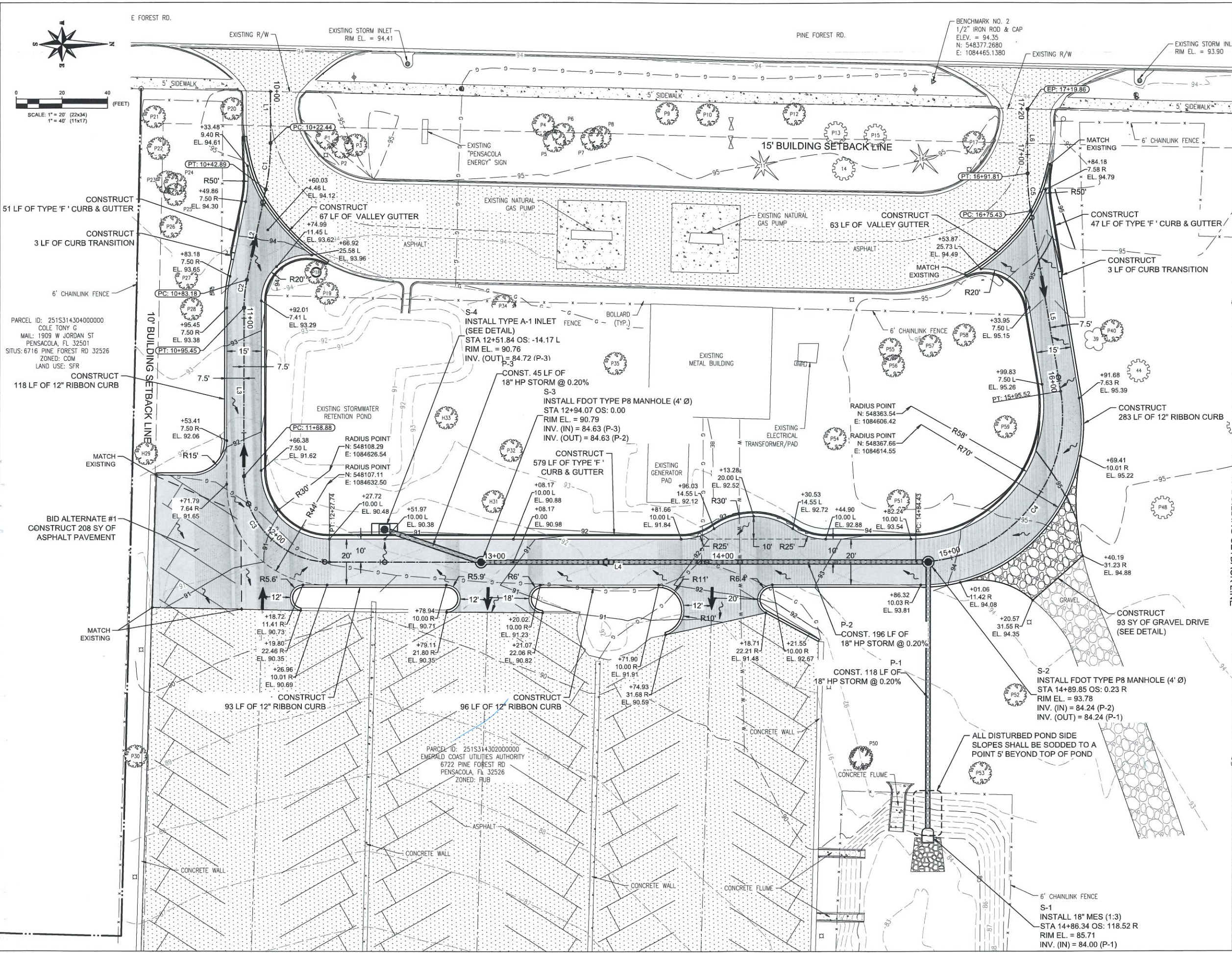
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Truck Access

LINE & CURVE TABLES

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502100402-016		7	16
Designed	S. WHITE	Eng check	S. WHITE
Drawn	C. RILEY	Coordination	S. WHITE
Dwg check	S. WHITE	Approved	S. WHITE
Scale at ANSI D	Status	Rev	Security
SEE PLAN	PRE		STD
Drawing Number			
C-007			



LEGEND

	EXISTING ASPHALT PAVEMENT
	PROPOSED ASPHALT PAVEMENT
	EXISTING CONCRETE PAVEMENT
	EXISTING GRAVEL
	EXISTING RIGHT-OF-WAY LINE
	EXISTING BURIED ELECTRIC
	EXISTING WATER MAIN
	EXISTING GAS MAIN
	PROPOSED SILT FENCE

- NOTE:**
- SEE SHEETS C-009 - C-012 FOR ACCESS DRIVE PROFILE AND CROSS SECTIONS.
 - SEE SHEET C-007 FOR LINE & CURVE TABLES.
 - ANY DISTURBED POND SIDE SLOPES SHALL BE STABILIZED WITH SOD.

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GEOMETRY & GRADING PLAN

ISSUED FOR PERMIT

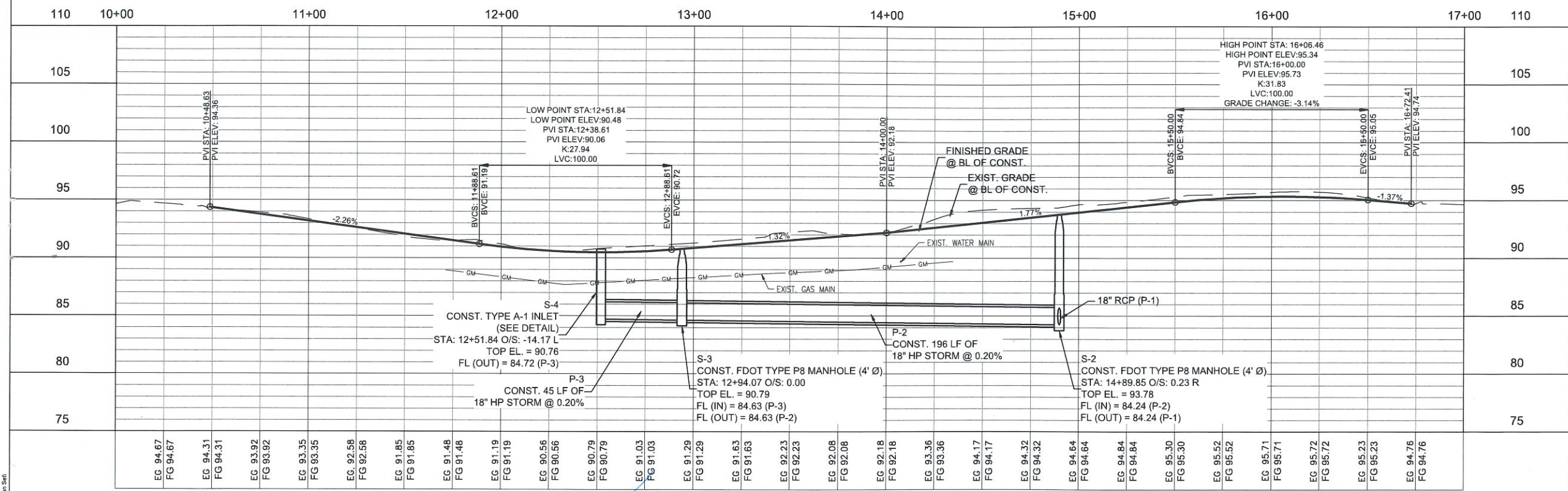
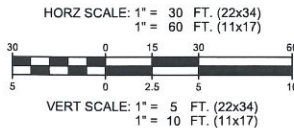
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Project Number	502100402-016	B/O	8	Total	16
Designed	S. WHITE	Eng check	S. WHITE		
Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check	S. WHITE	Approved	S. WHITE		
Scale at ANSI D	SEE PLAN	Status	PRE	Rev	Security
Drawing Number					STD

C-008

User Name: RL32595
Time Stamp: May 09, 2022, 2:15:07PM
Drawing Name: C-008 Geometry & Grading Plan.dwg
Drawing Path: P:\02\00402-016\ecua godwin lane truck access\Drawings\Civil\Drawings\Sheets\Plan Set

ACCESS DRIVE




Rev	Date	Drawn	Description	Ch'k'd	App'd

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T +1 (850) 484 6011
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Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

Client
**Emerald Coast
Utilities Authority**



Title
**ECUA Godwin Lane
Truck Access**

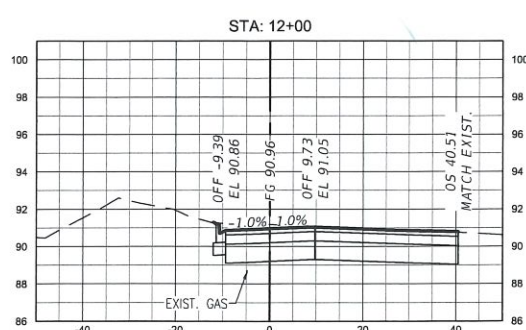
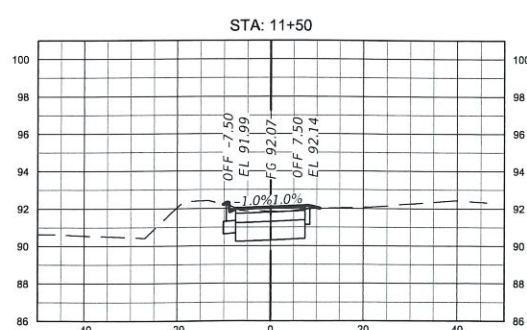
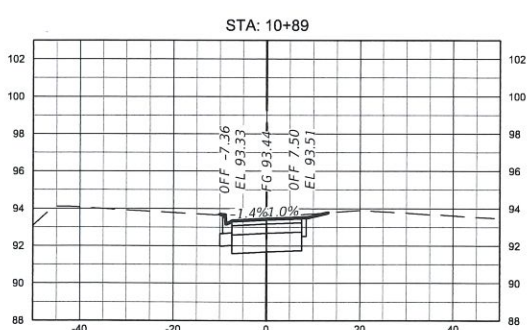
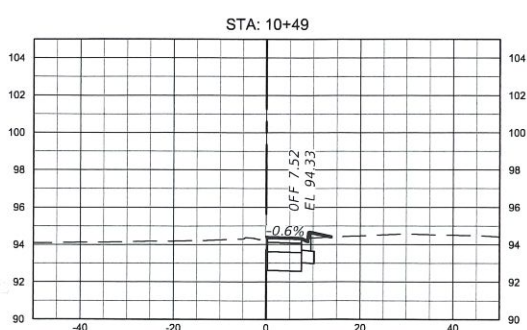
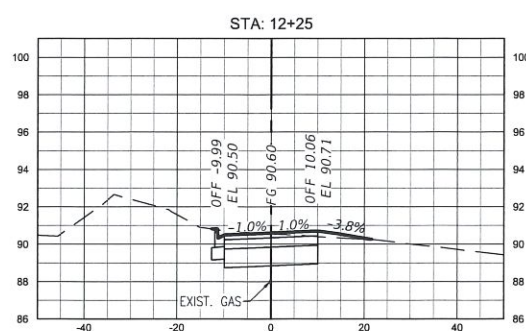
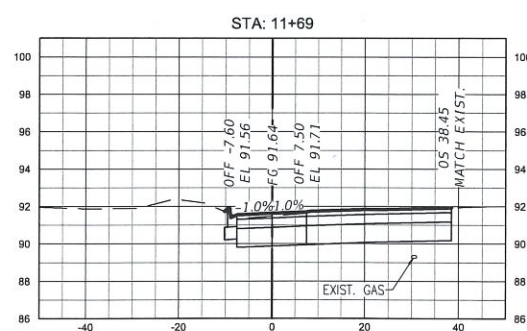
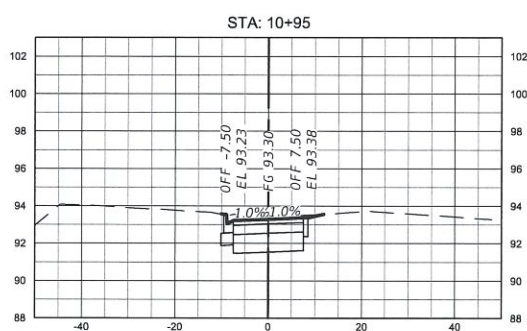
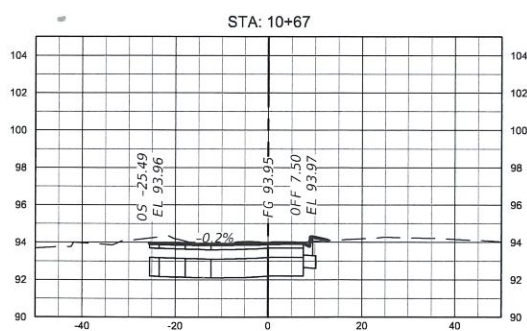
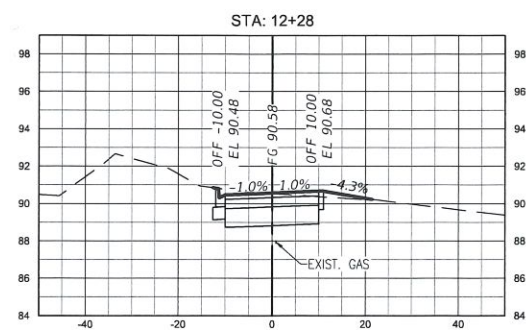
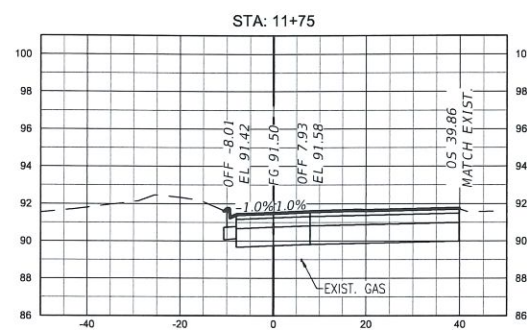
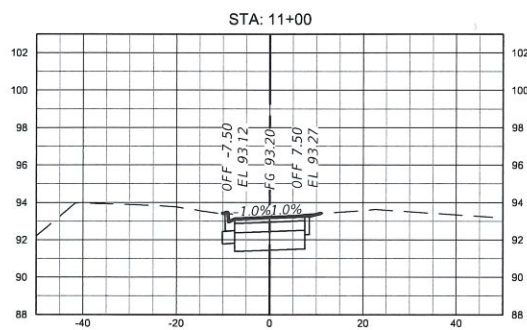
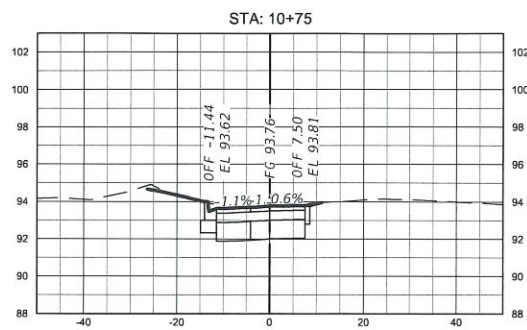
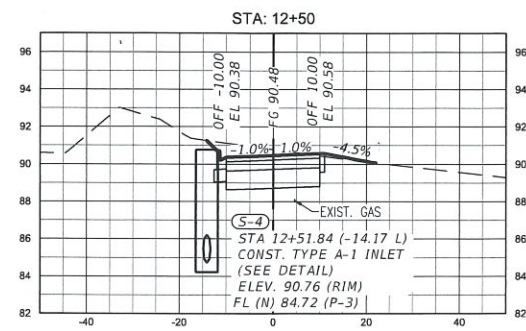
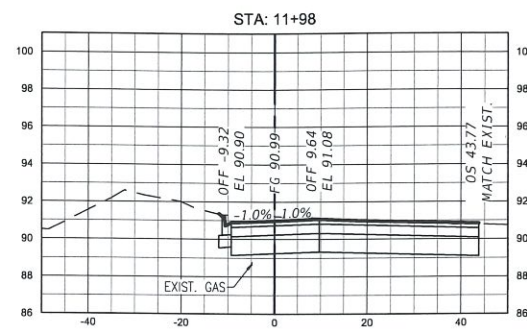
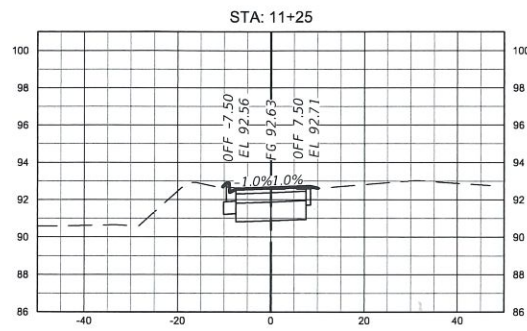
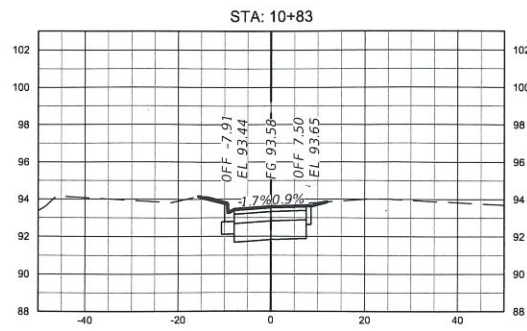
PROFILE - ACCESS ROAD
STA: 10+00 - 17+00

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Project Number 502100402-016		B/O 9	Total 16
Designed S. WHITE	Eng check S. WHITE	Coordination S. WHITE	
Drawn C. RILEY	Approved S. WHITE	Security STD	
Dwg check S. WHITE	Status PRE	Rev	
Scale at ANSI D SEE PLAN			
Drawing Number C-009			

User Name: RL30255
Time Stamp: May 09, 2022 - 2:15:18PM
Drawing Name: C-009 Profile - Access Road.dwg
Drawing Path: P:\2022\502100402-016 ECUA Godwin Lane Truck Access\Drawings\Profile\Drawings\Sheet\Plan Set



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Client
Emerald Coast Utilities Authority

Title
ECUA Godwin Lane Truck Access

CROSS SECTIONS - ACCESS ROAD

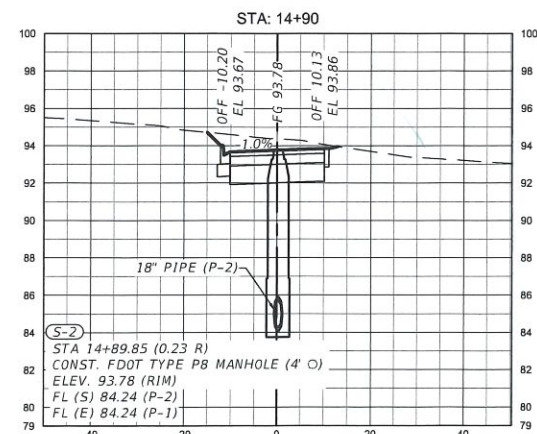
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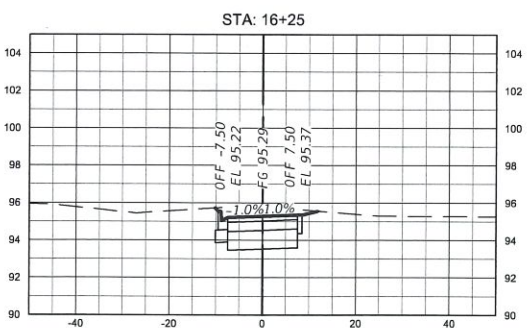
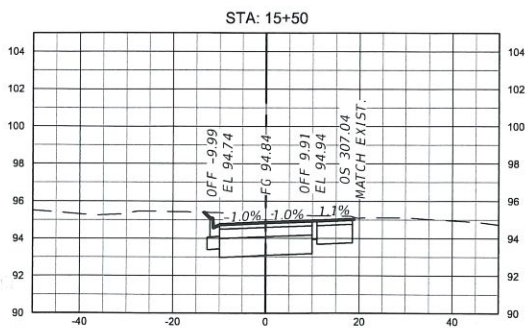
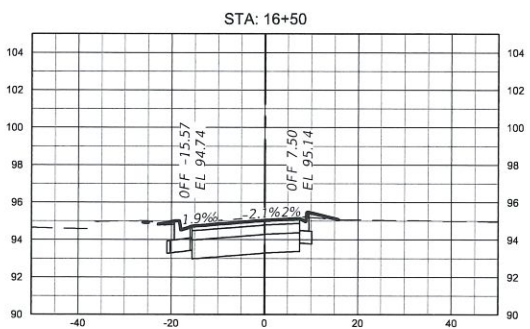
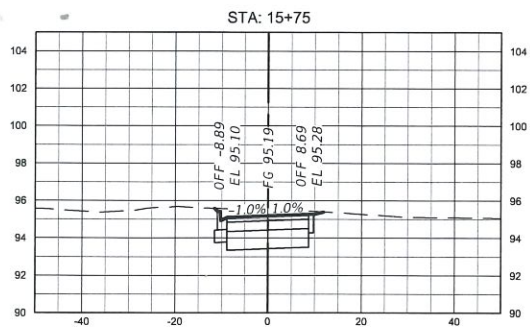
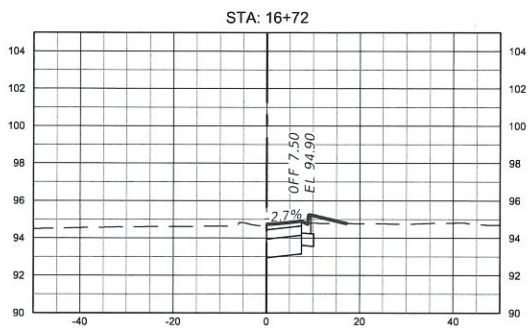
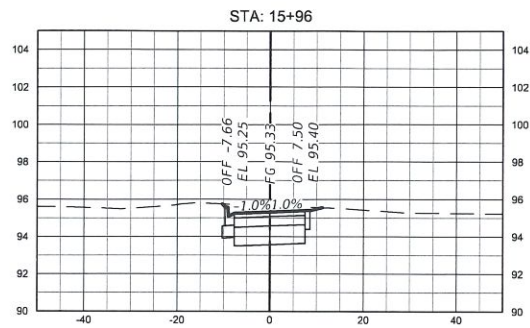
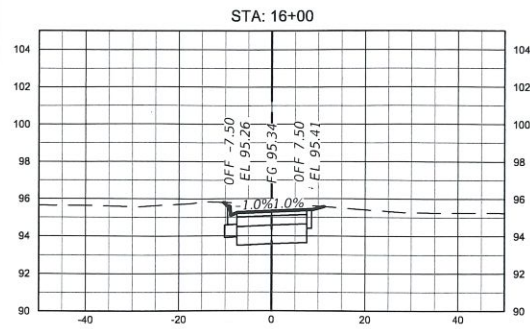
Project Number	502100402-016	B/O	10	Total	16
Designed	S. WHITE	Eng check	S. WHITE		
Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check	S. WHITE	Approved	S. WHITE		
Scale at ANSI D	SEE PLAN	Status	PRE	Rev	Security
Drawing Number					STD

SCALE: HORZ. 1" = 20'
VERT. 1" = 5'

C-010



User Name: RL36255
Time Stamp: May 09, 2022 - 2:15:57PM
Drawing Path: P:\202100402-016\Access\Drawings\Access\Road.dwg
Drawing Title: P 202100402-016 ECUA Godwin Lane Truck Access Road.dwg



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**Emerald Coast
Utilities Authority**



Title

**ECUA Godwin Lane
Truck Access**

**CROSS SECTIONS - ACCESS
ROAD**

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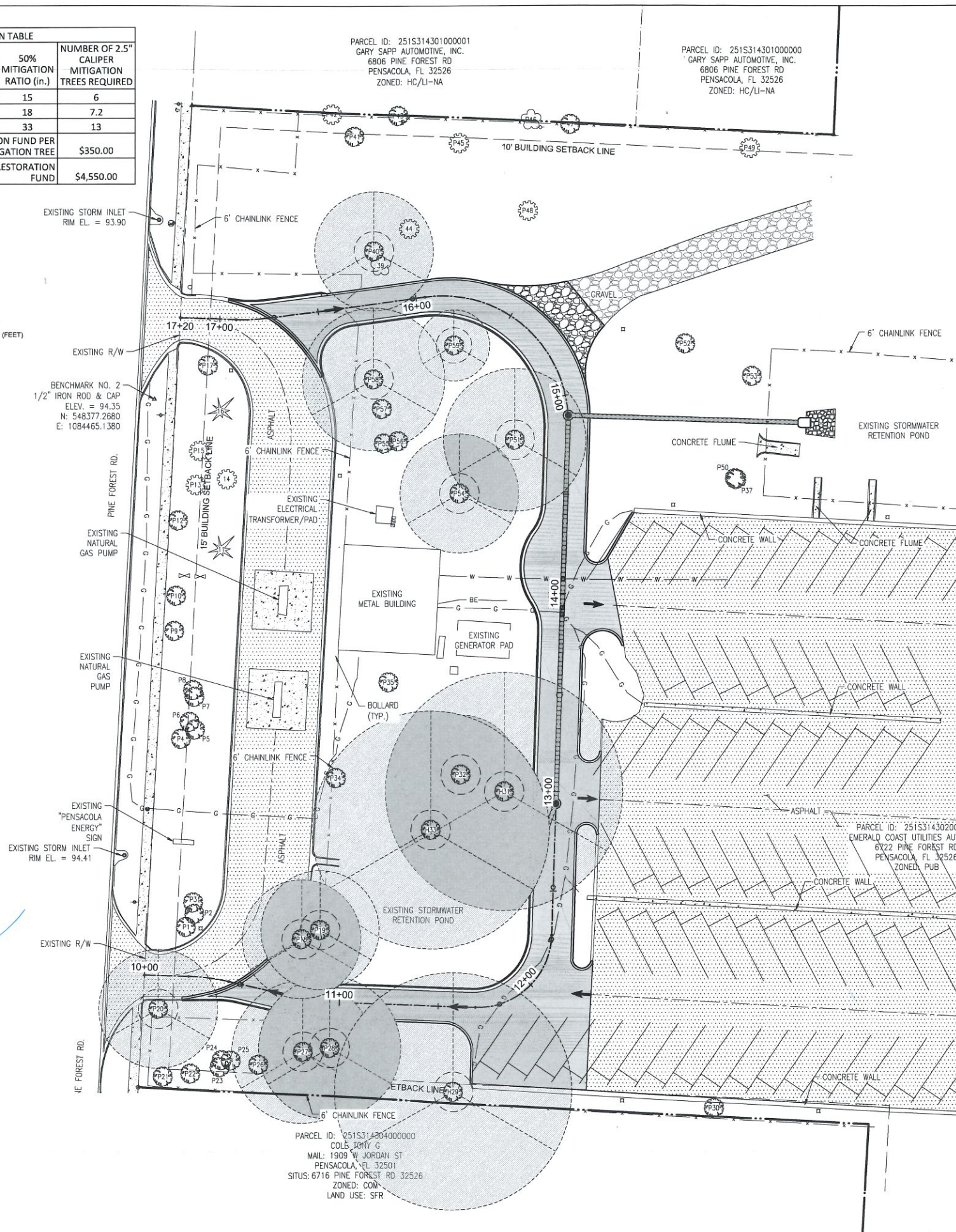
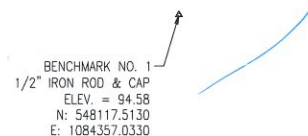
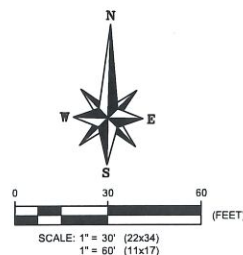
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Project Number	502100402-016	B/O	12	Total	16
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Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check	S. WHITE	Approved	S. WHITE		
Scale at ANSI D	SEE PLAN	Status	PRE	Rev	Security
Drawing Number					STD

SCALE: HORZ. 1" = 20'
VERT. 1" = 5'

C-012

TREE TABLE - TREE LOCATIONS AND DATA COLLECTED BY MOTT MACDONALD, LLC.						
TREE NO.	NORTHING	EASTING	DBH (IN.)	SPECIES	PROTECTED	REMOVE/PRESERVE
P1	548111.47	1084481.51	30.0	OAK	YES	PRESERVE
P2	548117.94	1084485.78	30.0	OAK	YES	PRESERVE
P3	548123.77	1084485.11	30.0	OAK	YES	PRESERVE
P4	548206.20	1084478.84	18.0	OAK	YES	PRESERVE
P5	548210.83	1084485.94	30.0	OAK	YES	PRESERVE
P6	548214.72	1084483.20	30.0	OAK	YES	PRESERVE
P7	548227.33	1084485.67	15.0	OAK	YES	PRESERVE
P8	548230.72	1084484.95	36.0	OAK	YES	PRESERVE
P9	548260.52	1084475.35	18.0	OAK	YES	PRESERVE
P10	548278.21	1084476.26	24.0	OAK	YES	PRESERVE
11	548301.54	1084499.10	4.0	CYPRESS	NO	PRESERVE
P12	548316.13	1084477.16	30.0	OAK	YES	PRESERVE
P13	548334.16	1084486.14	15.0	BIRCH	YES	PRESERVE
14	548337.19	1084501.85	(2) 8.0	BIRCH	NO	PRESERVE
P15	548351.38	1084487.83	15.0	BIRCH	YES	PRESERVE
16	548371.38	1084498.78	6.0	CYPRESS	NO	PRESERVE
P17	548394.29	1084492.21	40.0	OAK	YES	PRESERVE
P18	548104.86	1084540.02	30.0	OAK	YES	PRESERVE
P19	548109.44	1084549.30	30.0	OAK	YES	PRESERVE
P20	548070.19	1084467.53	30.0	OAK	YES	PRESERVE
P21	548035.98	1084469.92	30.0	OAK	YES	PRESERVE
P22	548037.47	1084483.89	24.0	OAK	YES	PRESERVE
P23	548040.68	1084498.65	24.0	OAK	YES	PRESERVE
P24	548044.26	1084499.63	24.0	OAK	YES	PRESERVE
P25	548044.01	1084504.18	24.0	OAK	YES	PRESERVE
P26	548041.81	1084518.14	24.0	OAK	YES	PRESERVE
P27	548048.02	1084540.69	36.0	OAK	YES	PRESERVE
P28	548049.91	1084554.27	36.0	OAK	YES	PRESERVE
H29	548028.19	1084616.73	60.0	OAK	YES	PRESERVE
P30	548019.81	1084748.60	30.0	OAK	YES	PRESERVE
H31	548179.48	1084642.30	60.0	OAK	YES	PRESERVE
P32	548187.97	1084620.33	30.0	OAK	YES	PRESERVE
H33	548160.05	1084605.21	60.0	OAK	YES	PRESERVE
P34	548186.20	1084557.18	30.0	OAK	YES	PRESERVE
P35	548234.54	1084583.82	48.0	OAK	YES	PRESERVE
P36	548229.63	1084667.60	30.0	OAK	YES	REMOVE
P37	548336.86	1084759.49	30.0	OAK	YES	PRESERVE
P38	548309.20	1084675.92	36.0	OAK	YES	REMOVE
39	548445.06	1084579.60	18.0	POPCORN	NO	PRESERVE
P40	548452.23	1084576.22	30.0	OAK	YES	PRESERVE
P41	548510.04	1084566.25	18.0	OAK	YES	PRESERVE
P42	548521.40	1084554.84	18.0	PECAN	YES	PRESERVE
P43	548520.39	1084588.48	15.0	OAK	YES	PRESERVE
44	548463.58	1084593.97	8.0	ELM	NO	PRESERVE
P45	548506.46	1084619.05	12.0	ELM	YES	PRESERVE
P46	548518.15	1084655.58	12.0	CHERRY	YES	PRESERVE
47	548515.92	1084675.44	6.0	OAK	NO	PRESERVE
P48	548472.30	1084654.03	16.0	PECAN	YES	PRESERVE
P49	548504.05	1084766.16	12.0	ELM	YES	PRESERVE
P50	548337.24	1084758.81	18.0	OAK	YES	PRESERVE
P51	548356.70	1084647.49	36.0	OAK	YES	PRESERVE
P52	548405.37	1084733.75	36.0	OAK	YES	PRESERVE
P53	548389.02	1084767.33	30.0	OAK	YES	PRESERVE
P54	548329.72	1084619.53	30.0	OAK	YES	PRESERVE
P55	548355.16	1084581.32	24.0	OAK	YES	PRESERVE
P56	548356.24	1084588.52	18.0	OAK	YES	PRESERVE
P57	548372.59	1084580.35	24.0	OAK	YES	PRESERVE
P58	548387.57	1084576.11	36.0	OAK	YES	PRESERVE
P59	548404.45	1084616.71	18.0	OAK	YES	PRESERVE



- ### LEGEND

NOTES:

[illegible]

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Utilities Authority



U	Title
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ECUA Godwin Lane
Truck Access

LANDSCAPING PLAN

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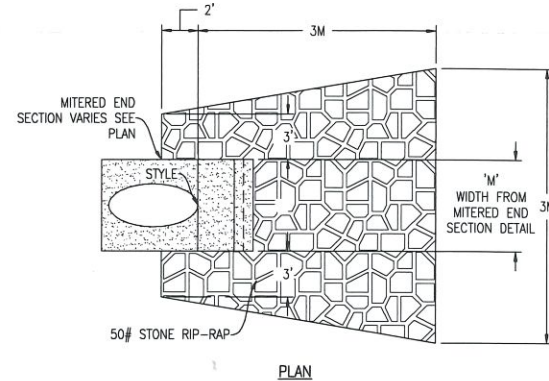
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Drawn	C. RILEY		Coordination	S. WHITE		
Dwg check	S. WHITE		Approved	S. WHITE		
Scale at ANSI D SEE PLAN		Status PRE	Rev		Security STD	
Drawing Number						

C-013

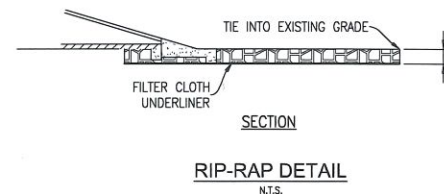
LANDSCAPING NOTES:

1. ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE, INSPECTED REGULARLY AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.
2. PER ESCAMBA COUNTY'S LAND DEVELOPMENT CODE, ALL PROPOSED REMOVAL OF PROTECTED TREES, LAND CLEARING, FILLING OR PLACEMENT OF FILL MATERIALS ONSITE, GRADING, EXCAVATING, BERMING, CUTTING, OR ANY OTHER LAND DISTURBING ACTIVITIES THAT MAY ALTER LAND TOPOGRAPHY OR VEGETATIVE COVER, SHALL BE ADEQUATELY PERMITTED OR OTHERWISE APPROVED IN WRITING BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.
3. MITIGATION FOR PROTECTED TREE REMOVAL SHALL BE THROUGH CONTRIBUTION TO THE ESCAMBA COUNTY TREE RESTORATION FUND. CONTRIBUTION AMOUNT SHALL BE AS SHOWN IN TREE MITIGATION TABLE THIS SHEET.

PARCEL ID: 251S314304000000
 COLE, JIMMY G
 MAIL: 1909 W JORDAN ST
 PENSACOLA, FL 32501
 SITUS: 6716 PINE FOREST RD. 32526
 ZONED: COM
 LAND USE: SFR

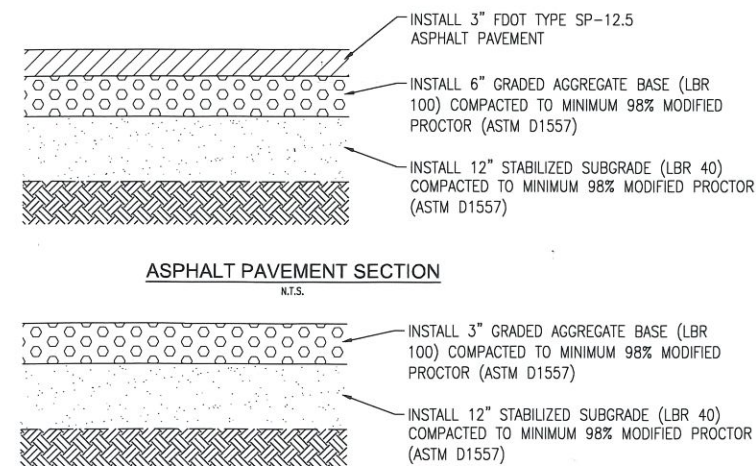


*SLOPE: 1:3 MITER: TO 4" PIPE FOR PIPES 18" AND SMALLER
2:3 FOR PIPES 24" AND LARGER.



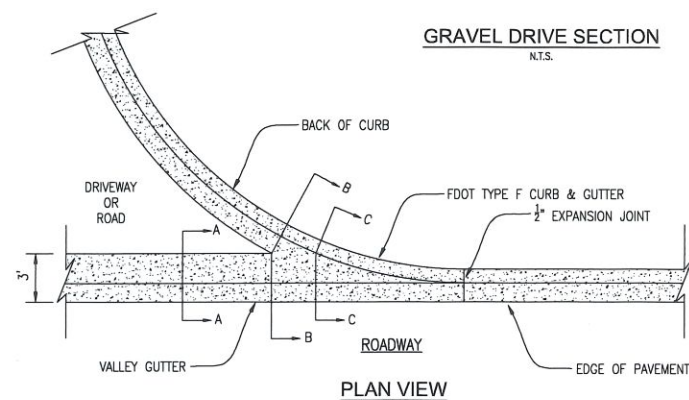
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N.T.S.



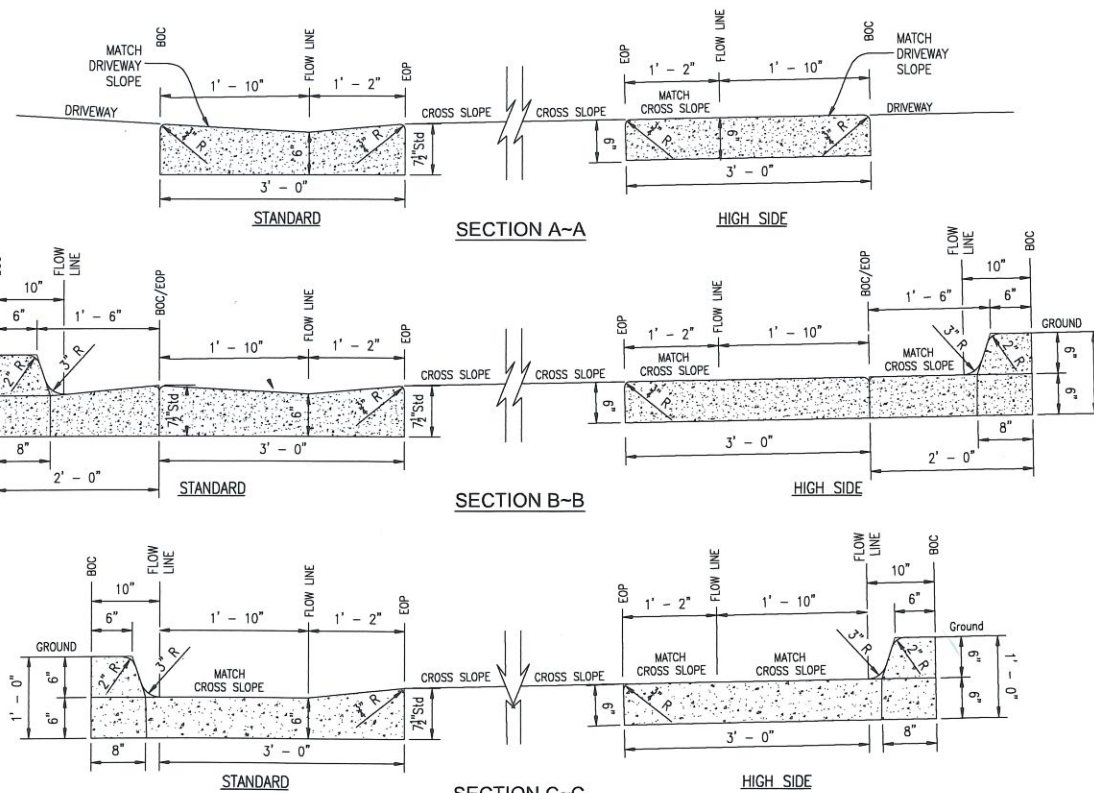
ASPHALT PAVEMENT SECTION

NTS



GRAVEL DRIVE SECTION

NTS



PLAN VIEW

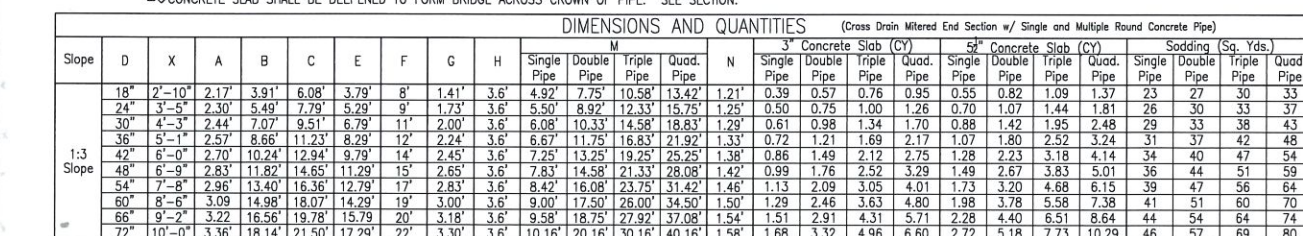
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SECTION B~B

SECTION C~C

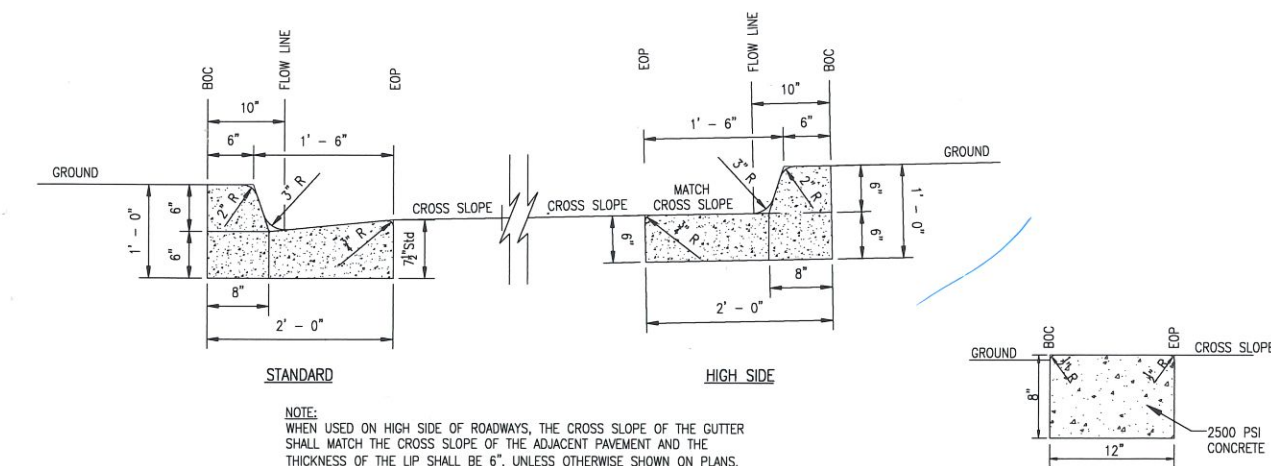
ALLEY GUTTER

Notes



CROSS DRAIN MITERED END SECTION
w/ SINGLE ROUND CONCRETE PIPE

N.T.S.



FDOT TYPE F CURB & GUTTER

NTC

STANDARD

EOP
ELEVATION = EOP EL

FLOW LINE
ELEVATION = FOP EL. - 0.125

BOC
ELEVATION: 500.51 ± 0.375

ELEVATION = EOP EL. + 0.375

HIGH SIDE

$$\text{ELEVATION} = \text{EOP ELEVATION} + \text{EOP ELEVATION ERROR}$$

FLOW LINE
ELEVATION = FOP EL. + (1.17 X CROSS SLOPE)

$$\text{BOC ELEVATION} = \text{EOP EL.} + 0.50 + (2 \times \text{CROSS SLOPE})$$

STANDARD

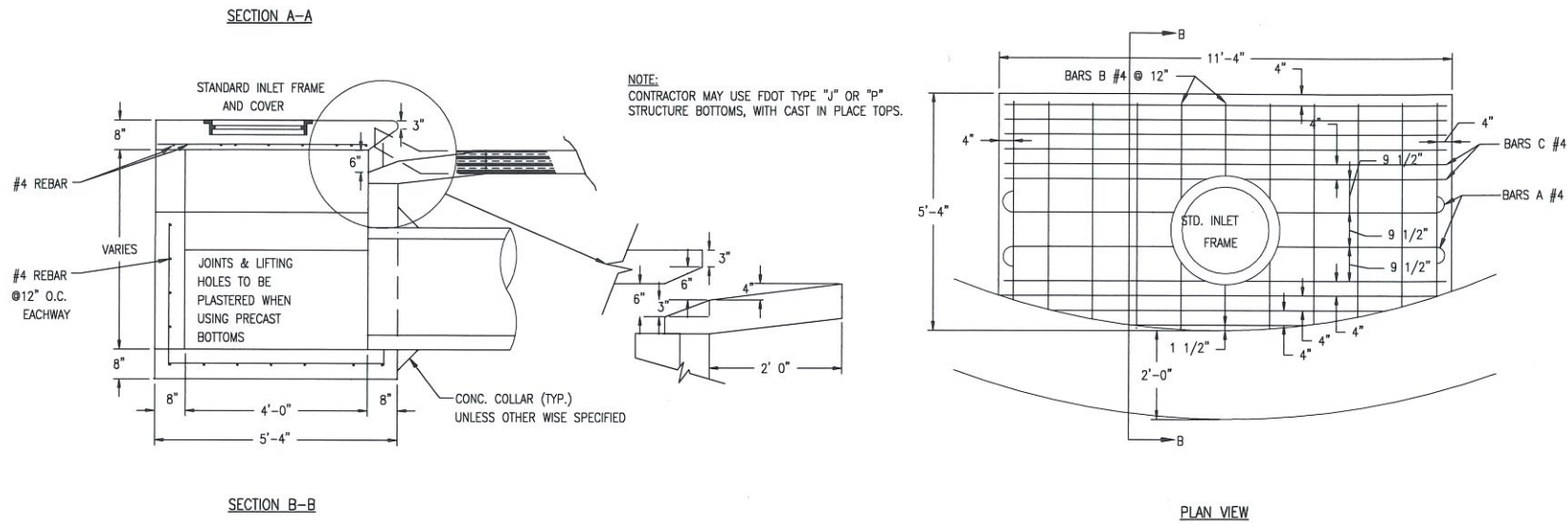
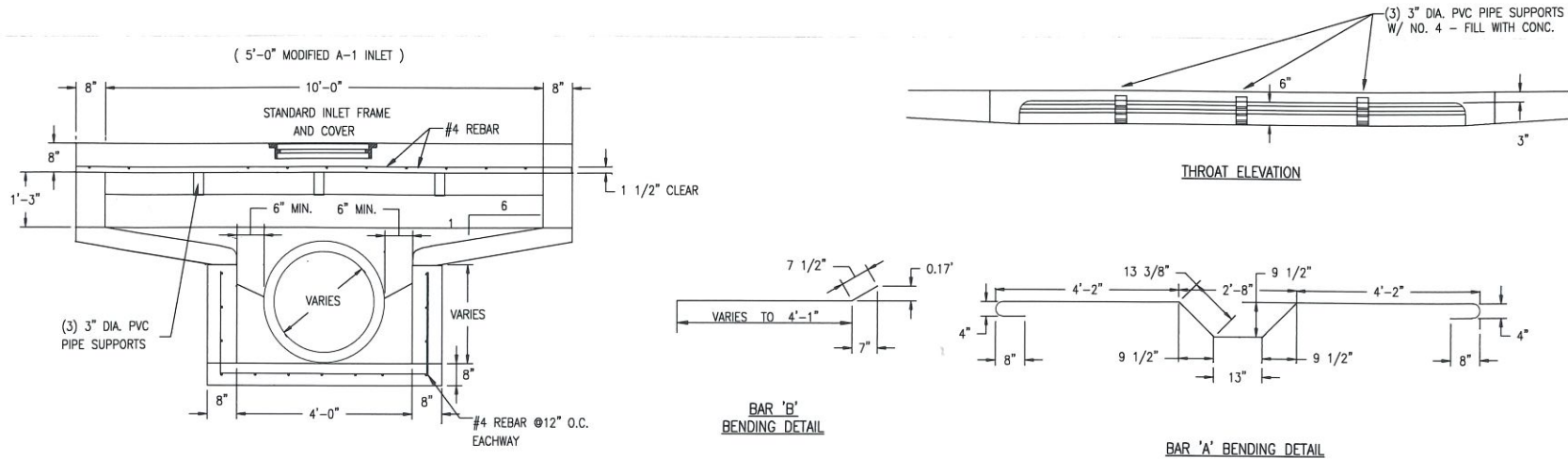
$$\text{EOP ELEVATION} = \text{EOP EL}$$

BOC
ELEVATION = EOP EL.

RIBBON CURB

NTD

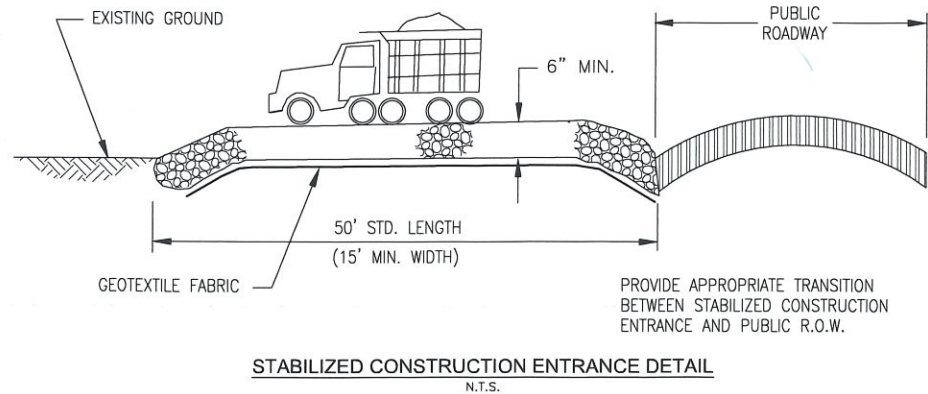
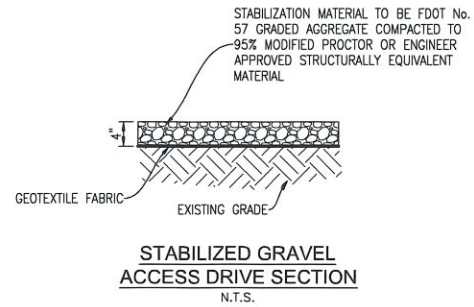
User Name: RIL36256
Time Stamp: May 09, 2022 - 2:16:17PM
Drawing Name: C-014 Details.dwg
Drawing Path: P:\502100402-016 ecua god



TYPE A-1 DROP INLET N.T.S.

NOTES:

1. TOP ELEVATION GIVEN FOR CURB INLETS REFLECTS THE THEORETICAL ELEVATION OF THE TOP OF CURB AT THE CENTERLINE OF THE INLET. CURB INLET TOPS SHALL BE CONSTRUCTED TO BE SO AS TO BE FLUSH WITH ADJACENT SIDEWALK WITH MATCHING CROSS SLOPES.
2. NO CONCRETE BLOCK ALLOWED



Rev	Date	Drawn	Description	Ch'k'd	App'd

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ECUA Godwin Lane Truck Access

DETAILS

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Drawn	C. RILEY	Coordination	S. WHITE		
Dwg check	S. WHITE	Approved	S. WHITE		
Scale at ANSI D	SEE PLAN	Status	PRE	Rev	Security
Drawing Number	C-015				

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.
3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
4. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 575 AND 980 TO 986.
5. A BITUMINOUS CONCRETE BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE BITUMINOUS CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL, ACCORDING TO STATE STANDARDS.
7. ANY STEEP SLOPES RECENTLY GRADING WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).
8. UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.
9. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
10. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
11. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).
12. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.
13. THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEWATERING AND DOWNSTREAM SITUATION PROTECTION OF EACH STREAM CROSSING PRIOR TO EXCAVATING THE STREAM BED. PLAN SHALL BE FORWARDED TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTION PRIOR TO EACH STREAM CROSSING CONSTRUCTION.
14. ANY AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.

* WHERE APPLICABLE

TEMPORARY SEEDING DETAILS

SEED BED PREPARATION
SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS/ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE DIRECTED BY ENGINEER.

SEED MIXTURE
CONSISTING OF ANNUAL RYE (LOLIUM MULTIFLORUM) AT A RATE OF 174 LBS/ACRE.

PERMANENT SEEDING DETAILS

SEED BED PREPARATION
SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS/ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4".

SEED MIXTURE CONSISTING OF	RATE	PURITY	GERMINATION
ARGENTINE BAHIA	260 LBS/AC.	95%	80%
PENSACOLA BAHIA	260 LBS/AC.	95%	40%(MIN.)-80%(TOTAL)

SODDING

SOD SHALL BE WELL ROOT MATTED CENTIPEDE OR BAHIA GRASS OR SHALL BE LIKE IN KIND TO EXISTING AS DIRECTED BY ENGINEER, COMMERCIAL CUT TO A MINIMUM DIMENSION OF 12" x 24" A MAXIMUM OF 72 HOURS PRIOR TO PLACEMENT. SOD SHALL BE LIVE, FRESH, AND UNINJURED, REASONABLY FREE OF WEEDS AND OTHER GRASSES, WITH A HEAVY SOIL MAT ADHERING TO THE ROOT SYSTEM. SOD SHALL BE GROWN, CUT, AND SUPPLIED BY A STATE CERTIFIED GROWER.

TRAFFIC CONTROL STANDARDS

1. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO ON-SITE ACCESS BY MEANS SO DESIGNATED BY THE ENGINEER, POLICE/SHERIFF DEPARTMENT, BAY COUNTY, AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION.
2. TRAFFIC DURING WET WEATHER SHALL BE MINIMIZED AND APPROPRIATE ROADWAY AND SITE CLEAN-UP SHALL BE PROVIDED BY THE CONTRACTOR AS SOON AS WEATHER CONDITIONS PERMIT.

TREE PROTECTION

1. ALL DAMAGED ROOTS ARE TO BE EXPOSED TO SOUND TISSUE AND SEVERED CLEANLY. (NOT TORN) ROOTS SHALL BE PRUNED TO A DEPTH OF 18 INCHES BELOW THE EXISTING GRADE OR TO THE DEPTH OF DISTURBANCE IF LESS THAN 18 INCHES FROM THE EXISTING GRADE.
2. TREE LIMB REMOVAL, WHERE NECESSARY, SHOULD BE PERFORMED TO CURRENT ARBORICULTURAL STANDARDS LEAVING THE BRANCH COLLAR INTACT ON THE TREE.
3. FOR TREE'S VIABILITY NO UNNECESSARY CLEARING BY HEAVY EQUIPMENT SHOULD HAPPEN UNDER THE DRIPLINE OF PROTECTED TREES TO REMAIN ON THE SITE. STORAGE OF HEAVY EQUIPMENT SHALL NOT OCCUR UNDER THE DRIPLINE OF PROTECTED TREES ON SITE.

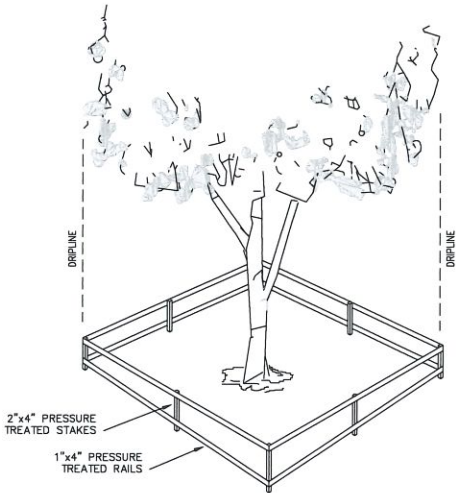
DUST CONTROL

1. ALL AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.
2. DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND/OR MULCHED UNTIL PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF PERMANENT VEGETATION COVER.
3. IN EVENT OF EMERGENCY CONDITIONS, TILLAGE WILL BE SATISFACTORY FREE BEFORE SOIL BLOWING STARTS.
4. CALCIUM CHLORIDE MAY BE APPLIED TO UNPAVED ROADWAY AREAS, ONLY, SUBJECT TO THE ENGINEER'S APPROVAL AND CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 102-5, LATEST EDITION.

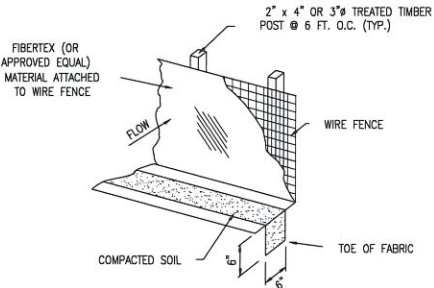
PROPOSED SEQUENCE OF CONSTRUCTION

THIS PROJECT SHALL CONSIST OF THE CONSTRUCTION OF SANITARY SEWERS OR WATER MAINS BY THE BAY COUNTY OR ITS CONTRACTOR WITHIN PUBLIC RIGHTS OF WAY. THE CONSTRUCTION SHOULD PROCEED IN THE FOLLOWING MANNER:

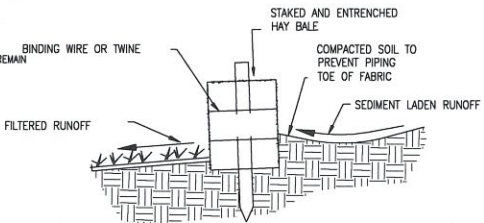
1. INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.
2. CLEAR AND REMOVE ALL EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE.
3. IMMEDIATE INSTALLATION OF ALL REMAINING SEDIMENT AND EROSION CONTROL DEVICES.
4. INITIATE CONSTRUCTION OF ROADWAY & STORMWATER COLLECTION/TRANSMISSION SYSTEM.
5. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE, AND STABILIZE WITH TEMPORARY SEEDING.
6. REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.



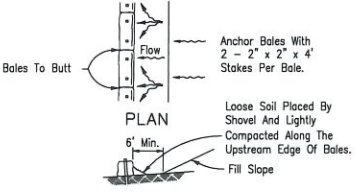
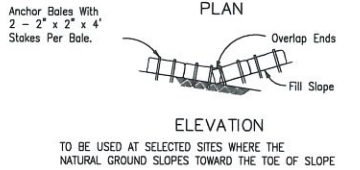
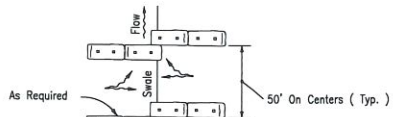
TREE BARRICADE
N.T.S.



SILT FENCE DETAIL
N.T.S.

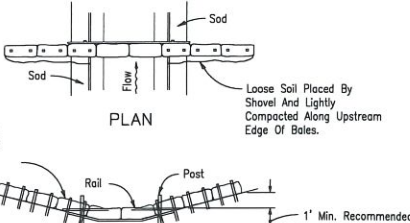


DETAIL OF PROPERLY
INSTALLED HAY BALE
N.T.S.



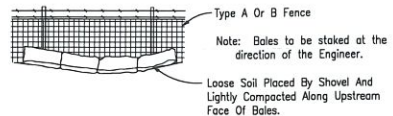
ELEVATION
TO BE USED AT SELECTED SITES WHERE THE
NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES

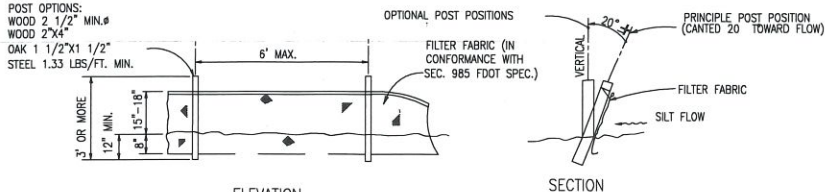


ELEVATION
Spacing: Bale barriers for paved ditches should be spaced in accordance with Chart 1, Sheet 1 of 3, Index No. 102

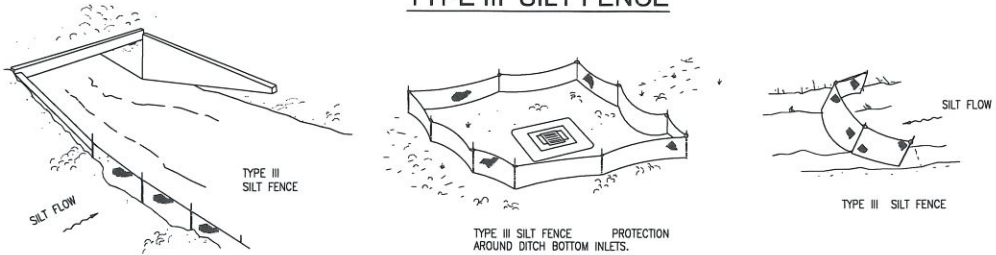
BARRIER FOR PAVED DITCH



BALES BACKED BY FENCE

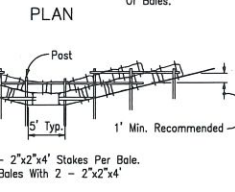
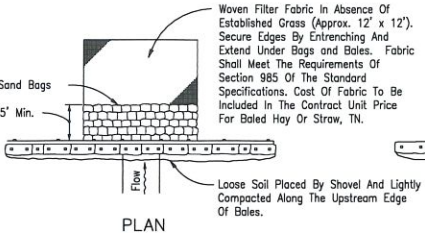


TYPE III SILT FENCE



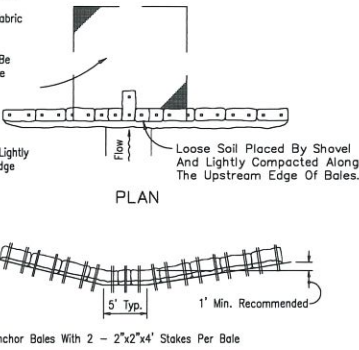
SILT FENCE APPLICATIONS

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

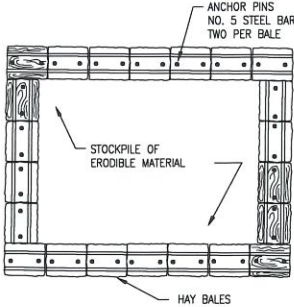


ELEVATION
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1, Sheet 1 of 3, Index No. 102

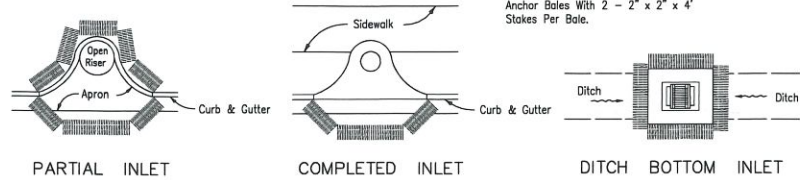
TYPE II
BARRIER FOR UNPAVED DITCHES



ELEVATION



MATERIAL STOCKPILE DETAIL
N.T.S.



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

Rev	Date	Drawn	Description	Ch'kd	App'd

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Architects Engineers Surveyors
AA - C0000035 EB - 00001155 LB - 0006783

Client
**Emerald Coast
Utilities Authority**

Title
**ECUA Godwin Lane
Truck Access**

EROSION CONTROL DETAILS

ISSUED FOR PERMIT

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Project Number	B/O	Total
502100402-016	16	16
Designed	S. WHITE	Eng check
Drawn	C. RILEY	Coordination
Dwg check	S. WHITE	Approved
Scale at ANSI D	Status	Rev
SEE PLAN	PRE	STD
Drawing Number	C-016	