



# **FLORIDA DEPARTMENT OF Environmental Protection**

Northwest District  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502-5740

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Shawn Hamilton**  
Secretary

## **Permittee/Authorized Entity:**

Ascend Performance Materials Operations, LLC  
Attn: Dean Rossi  
PO Box 97  
Gonzalez, Florida 32560, Escambia County  
[drossi@ascendmaterials.com](mailto:drossi@ascendmaterials.com)

## **The Bluffs Entrance Upgrades**

### **Authorized Agent:**

Michael Langston, P.E.  
449 W. Main St.  
Pensacola, Florida 32502  
[jfrick@baskervilledonovan.com](mailto:jfrick@baskervilledonovan.com)

## **Environmental Resource Permit**

**State-owned Submerged Lands Authorization – Not Applicable**

**U.S. Army Corps of Engineers Authorization – Not Included**

Escambia County  
Permit No.: 0304998-008-EI/17

**Permit Issuance Date: March 29, 2024**

**Permit Construction Phase Expiration Date: March 29, 2029**

## **Environmental Resource Permit**

**Permittee: Ascend Performance Materials Operations, LLC**  
**Permit No: 0304998-008-EI/17**

### **PROJECT LOCATION**

The activities authorized by this permit are located east of Highway 29 and west of the Escambia River, near the entrance to Ascend Performance Materials and the existing intersection of Chemstrand Road and Old Chemstrand Road in Cantonment, Florida 32533 on an approximately 12.13-acre site and is not part of a larger planned development. Parcel ID 301N301000000000, in Section 30, Township 1 North, Range 30 West in Escambia County, at 30° 35' 24.6537" North Latitude, 87° 15' 37.3946" West Longitude.

### **PROJECT DESCRIPTION**

The application and plans for this project have been reviewed and the project qualifies for an ERP pursuant to Chapter 62-330, Florida Administrative Code. The permittee is authorized to construct an industrial roundabout with a 6-way intersection and a storm water management system. The stormwater management system will include two (2) wet detention ponds. The wet detention ponds are designed to provide the required 119,948 cu-ft of combined treatment volume. Wetland impacts are not anticipated. Authorized activities are depicted on the attached exhibits.

### **AUTHORIZATIONS**

#### **The Bluffs Entrance Upgrades**

#### Environmental Resource Permit

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

#### Sovereignty Submerged Lands Authorization

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21 F.A.C.

#### Federal Authorization

This permit does not include federal authorization or imply the presence or limits of Waters of the United States (WOTUS) on the subject property. Activities that may impact WOTUS shall require a separate permit from the Corps. It is recommended that you contact your local Corps office to determine whether your project site contains WOTUS and/or if a Department of the Army permit is needed. A map of local Corps offices and the federal application form (ENG 4345) are available online at the Jacksonville District Regulatory Division website.

### Water Quality Certification Granted

This permit also constitutes a *grant* of water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. Section 1341. Pursuant to Rule 62-330.062, F.A.C. issuance of the individual or conceptual approval permit under this chapter shall constitute certification of compliance with water quality standards.

### Other Authorizations

You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

### **PERMIT CONDITIONS**

The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit as described.

### **SPECIFIC CONDITIONS – ADMINISTRATIVE/EMERGENCIES**

1. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and a determination by the inspector as to whether the system is operating as intended. Inspection documentation must be readily available and shall be provided at the Department's request. Submittal of the inspection documentation to the Department is not required.
2. Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted to the Department on Form 62-330.311(1), Operation and Maintenance Inspection Certification, describing the remedial actions taken to resolve the failure of deviation. This report shall be signed and sealed by a registered professional.

3. For emergencies involving a serious threat to the public health, safety, welfare, or environment, the emergency telephone contact number is (800) 320-0519 (State Warning Point). The Department telephone number for reporting nonthreatening problems or system malfunctions is (850) 595-0663, day or night.

4. The mailing address for submittal of forms for the "Construction Commencement Notice", "As-Built Certification ...", "Request for Conversion of Stormwater Management Permit Construction Phase to Operation and Maintenance Phase", or other correspondence is FDEP, SLERP, 160 W. Government Street, Pensacola, Florida 32502.

#### **SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION**

5. This permit does not authorize the construction of any additional structures not illustrated on the permit drawings.

6. Best management practices for erosion control shall be implemented prior to construction activities and maintained at all times during construction to prevent siltation and turbid discharges into adjacent wetlands. Methods shall include but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, and mulching; staged construction; and the installation of turbidity screens around the immediate project site. Erosion control methods shall be implemented as described and shown in the attached permit drawings. The permittee shall be responsible for ensuring that erosion control devices/procedures are inspected and maintained daily during all stages of construction authorized by this permit until all areas that were disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

#### **SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES**

7. The construction phase expires at 11:59 p.m. on the date indicated on the cover page of this permit, unless an application for extension is received and approved pursuant to Rule 62-330.320, F.A.C. If construction of the stormwater management system authorized by this environmental resource permit has not been completed and continued use of the system formally transferred to the operating phase before the expiration date of the permit, or an authorized extension, then at least 60 days before such expiration date, the permittee shall apply for another individual stormwater permit, using the forms and accompanied by the fee required by rules in effect at that time.

8. Erosion controls shall remain in place until the filled area has sufficient vegetative coverage to ensure stability and prevent erosion into the surrounding wetlands or surface waters. Grass seed and mulch or sod shall be installed and maintained on all exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at any other time as necessary, to prevent erosion, sedimentation, or turbid discharges into adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be established within 60 days of sodding or seeding. Upon establishment of a substantial vegetative cover, all erosion control devices shall be removed.

9. All material used as fill shall be clean sand/fill dirt/shell material and shall not be contaminated with vegetation, garbage, trash, tires, hazardous waste, and deleterious materials.



10. The permittee shall be responsible for ensuring that erosion control devices/procedures are inspected and maintained daily during all phases of construction authorized by this permit until all areas that were disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

11. If any construction de-watering is required which results in an offsite discharge of groundwater, the permittee and/or the contractor shall ensure that the requirements of pertinent portions of Chapter 62-621, F.A.C. are met. Please contact the FDEP Wastewater Department at 850-595-8300, for more information.

12. Construction equipment shall not be repaired or refueled in wetlands or elsewhere within waters of the state.

13. Any damage to wetlands outside of the authorized impact areas as a result of construction shall be immediately reported to the Department at (850)595-8300 and repaired by reestablishing the pre-construction elevations and replanting vegetation of the same species, size, and density as that in the adjacent areas. The restoration shall be completed within 30 days of completion of construction, and the Department shall be notified of its completion within that same 30-day period.

14. This permit does not authorize impacts to wetlands or surface waters. Any proposed impacts shall be reviewed and approved by the Department prior to commencement.

#### **SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES**

15. The authorized stormwater management system shall be completed prior to or simultaneously with associated upland development.

16. Once project construction has been deemed complete, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before the transfer to the Operation and Maintenance phase, all obsolete erosion control materials shall be removed.

17. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and a determination by the inspector as to whether the system is operating as intended. Inspection documentation must be readily available and shall be provided at the Department's request.

18. In addition to these conditions, the Permittee shall comply with all maintenance and inspection requirements prescribed in the Maintenance and Operation Plan developed by the registered professional who designed the system.

19. All structures authorized by this permit shall remain in operable condition and shall not be allowed to deteriorate or otherwise contribute to a water quality violation for the life of the facility. All stormwater structures identified by this permit shall be maintained in proper working order for the life of the facility.

20. The wet detention area shall be inspected periodically for debris and trash built up around the discharge structures. Accumulations of debris and trash that negatively affect the function of the system shall be removed upon discovery.

21. The stormwater management system shall be inspected by a registered professional to evaluate whether the system is functioning as designed and permitted. The registered professional may record his inspection on Form No. 62-330.311(1), Operation and Maintenance Inspection Certification or may provide his evaluation in any other format; however any report must be signed and sealed by the registered professional. Submittal of the inspection report to the Department is not required; but the report shall be made available to the Department upon request. Inspections shall be made by the registered professional in accordance with this schedule:

- a. On the first anniversary of the date of conversion to Operation and Maintenance Phase.
- b. Every fifth year on the anniversary of conversion to Operation and Maintenance phase, after the first year of successful operation.

22. Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted to the Department on Form 62-330.311(1), Operation and Maintenance Inspection Certification, describing the remedial actions taken to resolve the failure or deviation. This report shall be signed and sealed by a registered professional.

23. Signs shall be posted a minimum of every 100 feet around the perimeter of all wet detention ponds stating "Stormwater Treatment Pond – No mowing or spraying of aquatic vegetation allowed unless authorized by FDEP. Call 850-595-8300 for more information." These information signs shall be installed prior to the Transfer to Operation Phase and are required for the proper operation and maintenance of the stormwater treatment system.

#### **GENERAL CONDITIONS FOR INDIVIDUAL PERMITS**

The following general conditions are binding on all individual permits issued under chapter 62-330, F.A.C., except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.
2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.
3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State of Florida Erosion and Sediment Control Designer and*

*Reviewer Manual* (Florida Department of Environmental Protection and Florida Department of Transportation June 2007), and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual* (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," [October 1, 2013], which is incorporated by reference in paragraph 62-330.350(1)(d), F.A.C., indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.

5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:

- a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or
- b. For all other activities – "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].
- c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:

- a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
- b. Within 30 days of submittal of the as- built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:

- a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;
  - b. Convey to the permittee or create in the permittee any interest in real property;
  - c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
  - d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.
10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.
11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.
12. The permittee shall notify the Agency in writing:
- a. Immediately if any previously submitted information is discovered to be inaccurate; and
  - b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.
13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.
14. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S.
15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1), above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

## **NOTICE OF RIGHTS**

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

### **Petition for Administrative Hearing**

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at [Agency\\_Clerk@FloridaDEP.gov](mailto:Agency_Clerk@FloridaDEP.gov). Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

### **Time Period for Filing a Petition**

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant to Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

#### Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at [Agency\\_Clerk@FloridaDEP.gov](mailto:Agency_Clerk@FloridaDEP.gov), before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

#### Mediation

Mediation is not available in this proceeding.

#### FLAWAC Review

The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

#### Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S. by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Thank you for applying to the Submerged Lands and Environmental Resource Permit Program. If you have any questions regarding this matter, please contact Alyssa Tessier at the letterhead address, at (850)595-0685, or at [Alyssa.Tessier@FloridaDEP.gov](mailto:Alyssa.Tessier@FloridaDEP.gov)

## EXECUTION AND CLERKING

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



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For Kimberly R. Allen  
Permitting Program Administrator

BC:at

### Attachments:

Exhibit 1, Project Drawings and Design Specs., 29 pages

Exhibit 2, Operation and Maintenance Plan, 1 page

Copies of 62-330 forms may be obtained at: <https://floridadep.gov/water/submerged-lands-environmental-resources-coordination/content/forms-environmental-resource>

## CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Kimberly R. Allen, FDEP, [Kim.Allen@FloridaDEP.gov](mailto:Kim.Allen@FloridaDEP.gov)  
Blake Chapman, FDEP, [Blake.A.Chapman@FloridaDEP.gov](mailto:Blake.A.Chapman@FloridaDEP.gov)  
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Michael Langston, Baskerville Donovan, Inc., [jfrick@baskervilledonovan.com](mailto:jfrick@baskervilledonovan.com)  
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[trday@myescambia.com](mailto:trday@myescambia.com), [jbilby@cityofpensacola.com](mailto:jbilby@cityofpensacola.com)

## FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

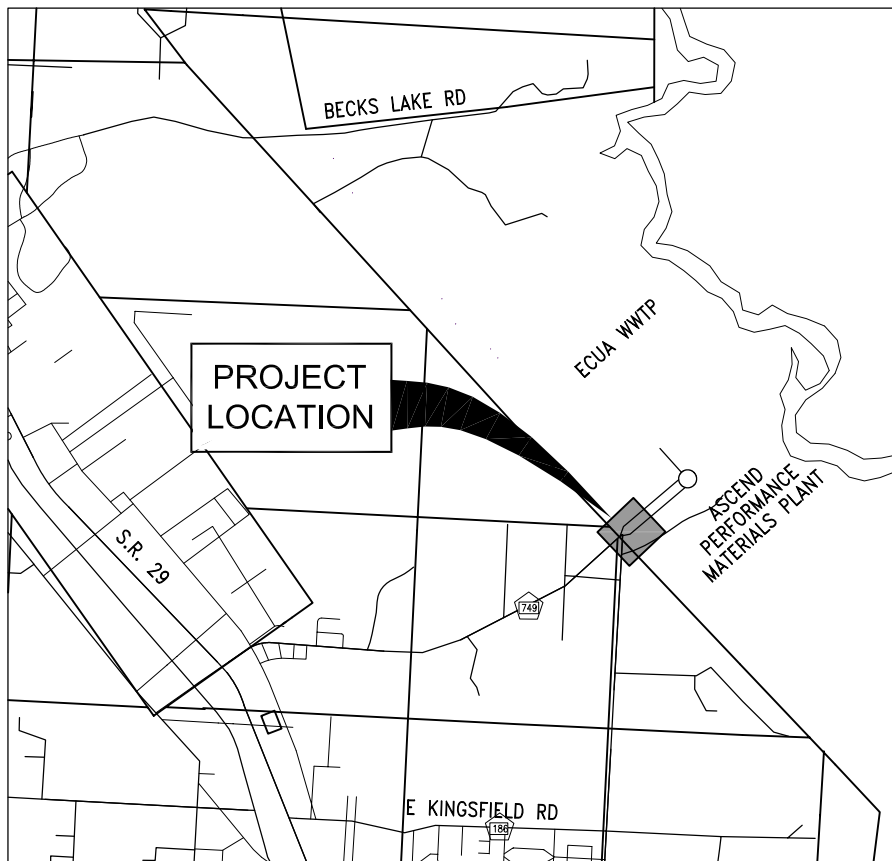
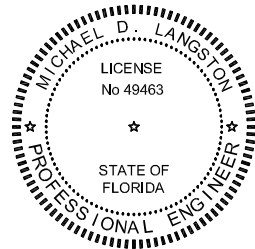
March 29, 2024  
Date



CONSTRUCTION PLANS  
FOR  
THE BLUFFS  
ENTRANCE/  
TRANSPORTATION  
UPGRADES  
FPID NUMBER 439451-5-54-01

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED BY MICHAEL LANGSTON ON THE DATE BELOW. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

03/08/2024 8:57:18 AM



LOCATION MAP  
SCALE: 1"=1200'



**FEBRUARY 2024**

PROJECT NO. 114507.01

**PREPARED BY**



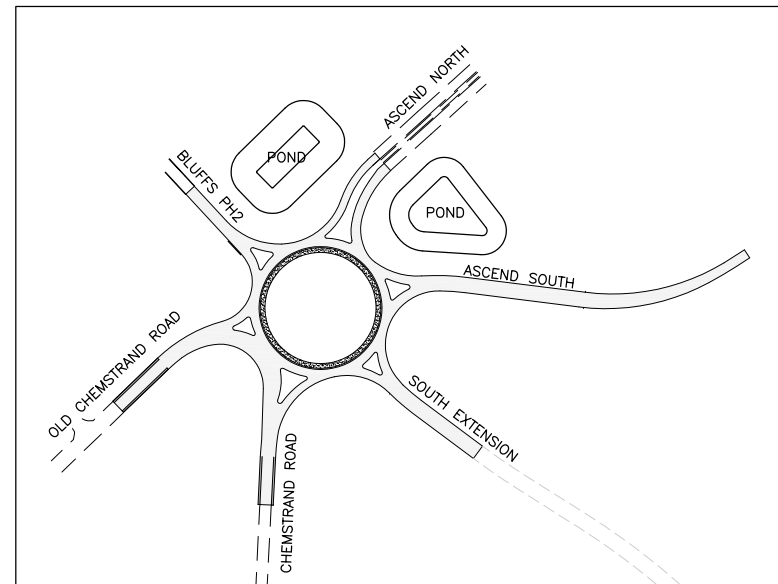
**BASKERVILLE-DONOVAN, INC.**  
**ENGINEERING THE SOUTH SINCE 1927**

449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661  
ENGINEERING BUSINESS: EB-0000340

Pensacola - Panama City Beach - Tallahassee - Mobile

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C-154 - 155	STRIPING AND SIGNAGE PLAN
C-900 - 902	DETAILS
C-903 - 905	FDOT DETAILS
C-906	SWPPP PLAN



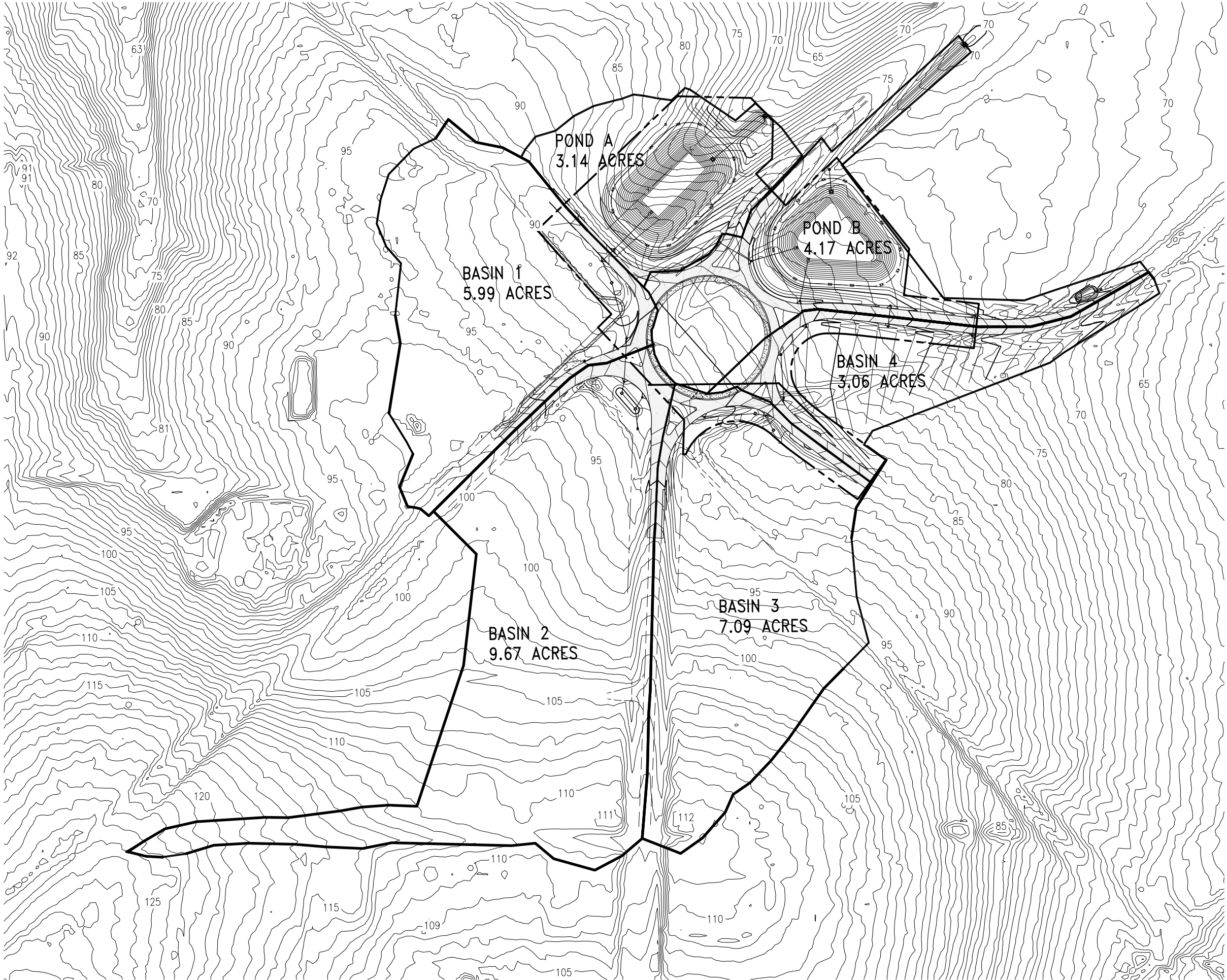
VICINITY MAP  
SCALE: 1"=200'




**NWFWMD PERMIT SET**

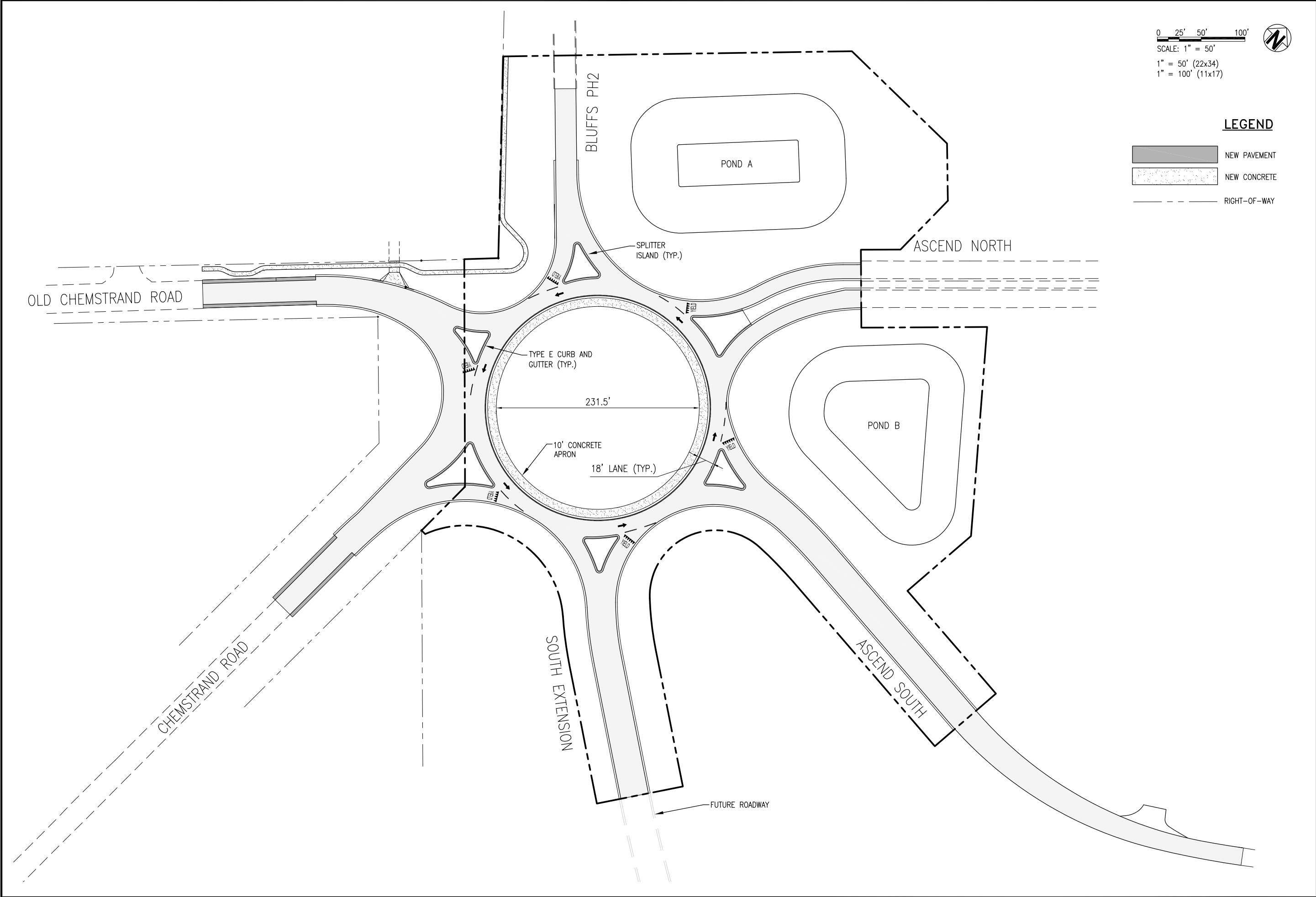


E:\DWG\1145\114507.01 BluffsRoundAbout\C-001 DrainageBasinMap.dwg, Feb 15, 2024 -- 11:21:04AM, rgeiger



<b>DRAINAGE BASIN MAP</b>	PROJECT NO:	114507.01	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY:	HFB					
	DRAWN BY:	RCG					
	CHK'D BY:						
	PROJ. MGR:	MDL					
<b>C-001</b>	DATE: OCT 2023						
	NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____						
<b>THE BLUFFS ENTRANCE/TRANSPORTATION UPGRADES</b>							
 <b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.							

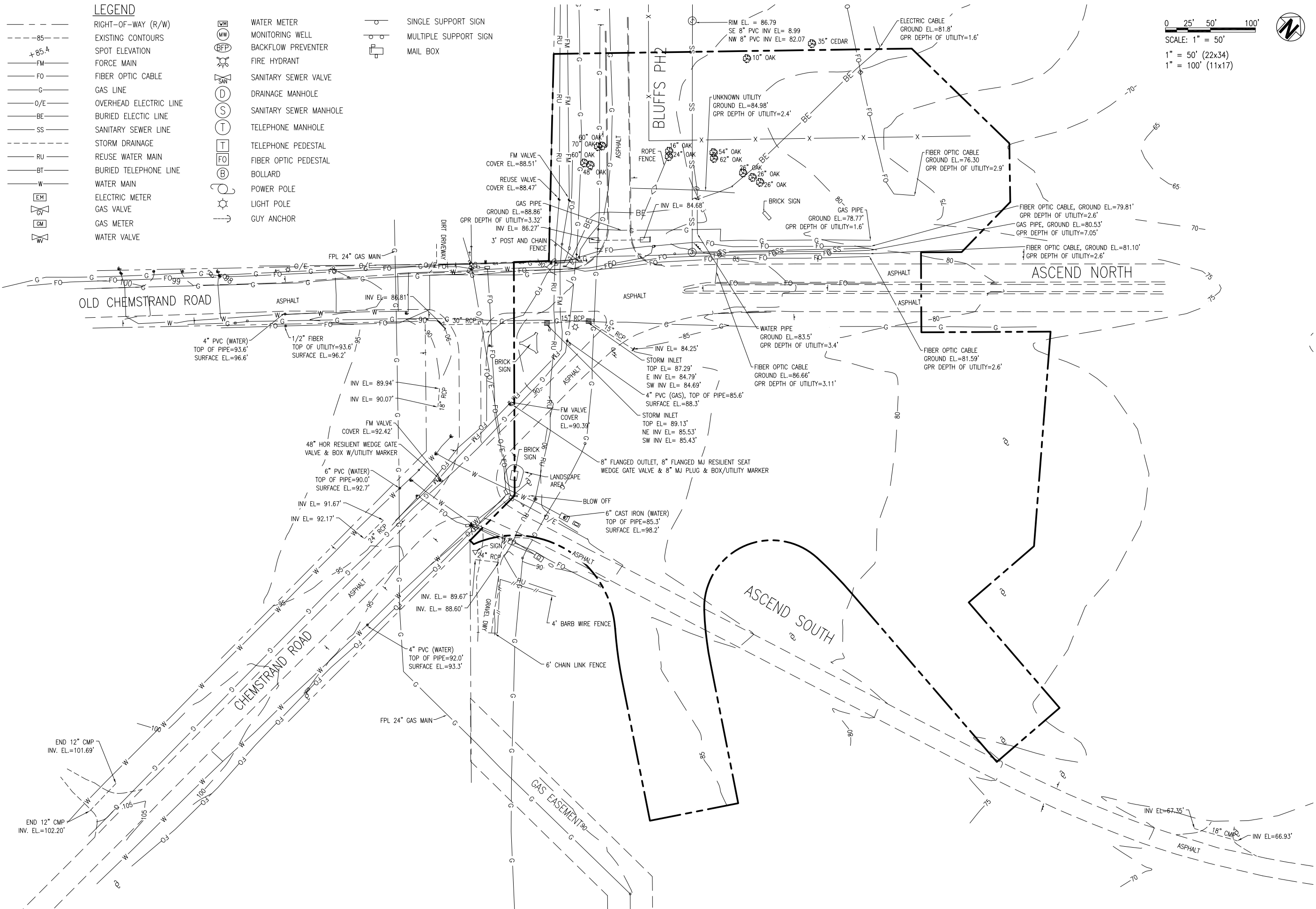
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OVERALL PLAN	PROJECT NO: 114507.01	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY: RGG					
	DRAWN BY: RGG					
	CHK'D BY:					
	PROJ. MGR: MDL					
	DATE: OCT 2023					
	NOT RELEASED FOR CONSTRUCTION BY ____ DATE ____/____/____					

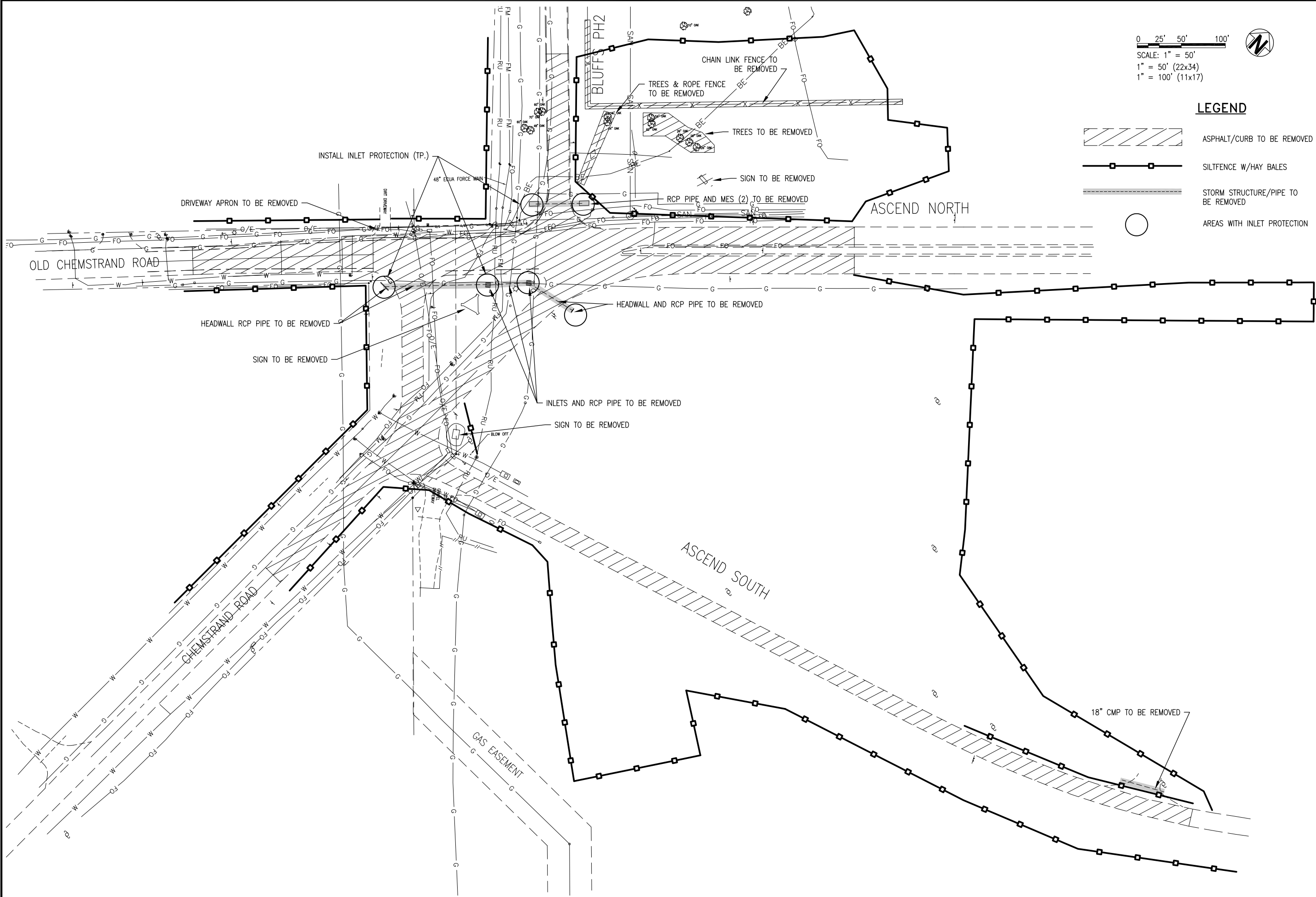
C-100	THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES	JASON J. FRICK, P.E. FL Reg. Engineer #56469	 BASKERVILLE-DONOVAN, INC. ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola • Panama City Beach • Tallahassee • Mobile

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<b>EXISTING CONDITIONS PLAN</b>	PROJECT NO:	114507.01	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY:	RG					
	DRAWN BY:	RG					
	CHK'D BY:	MDL					
PROJ. MGR:		MDL	NOT RELEASED FOR CONSTRUCTION BY DATE				
DATE:		OCT 2023					
<b>THE BLUFFS ENTRANCE/TRANSPORTATION UPGRADES</b>							
<b>BASKERVILLE-DONOVAN, INC. ENGINEERING THE SOUTH SINCE 1927</b> 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.							

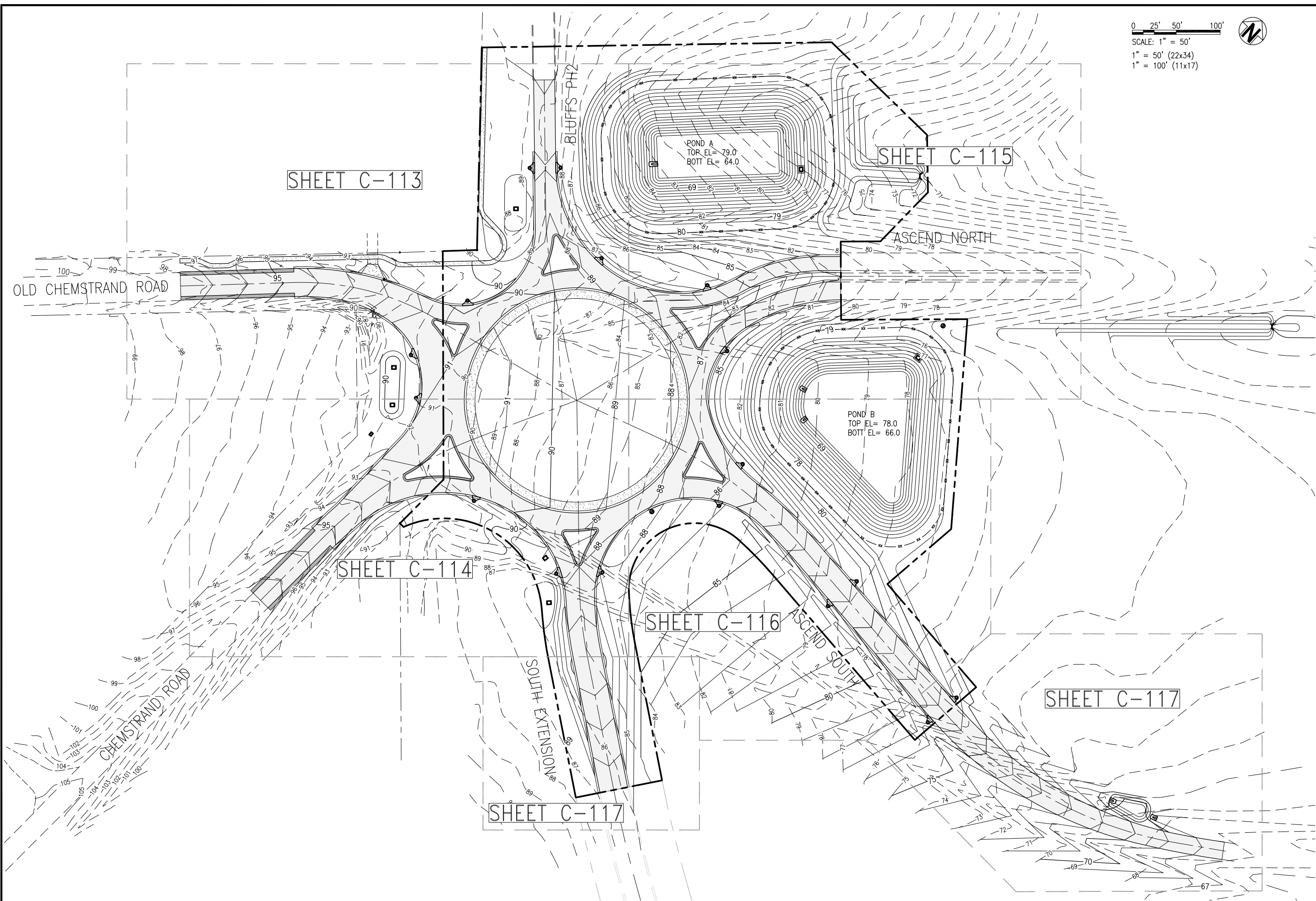
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<b>DEMOLITION AND EROSION CONTROL PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY: RGG					
	DRAWN BY: RGG					
	CHK'D BY: MDL					
	PROJ. MGR: MDL					
	DATE: OCT 2023					
NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____						
<b>THE BLUFFS ENTRANCE/TRANSPORTATION UPGRADES</b>						
<b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola • Panama City Beach • Tallahassee • Mobile This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.						



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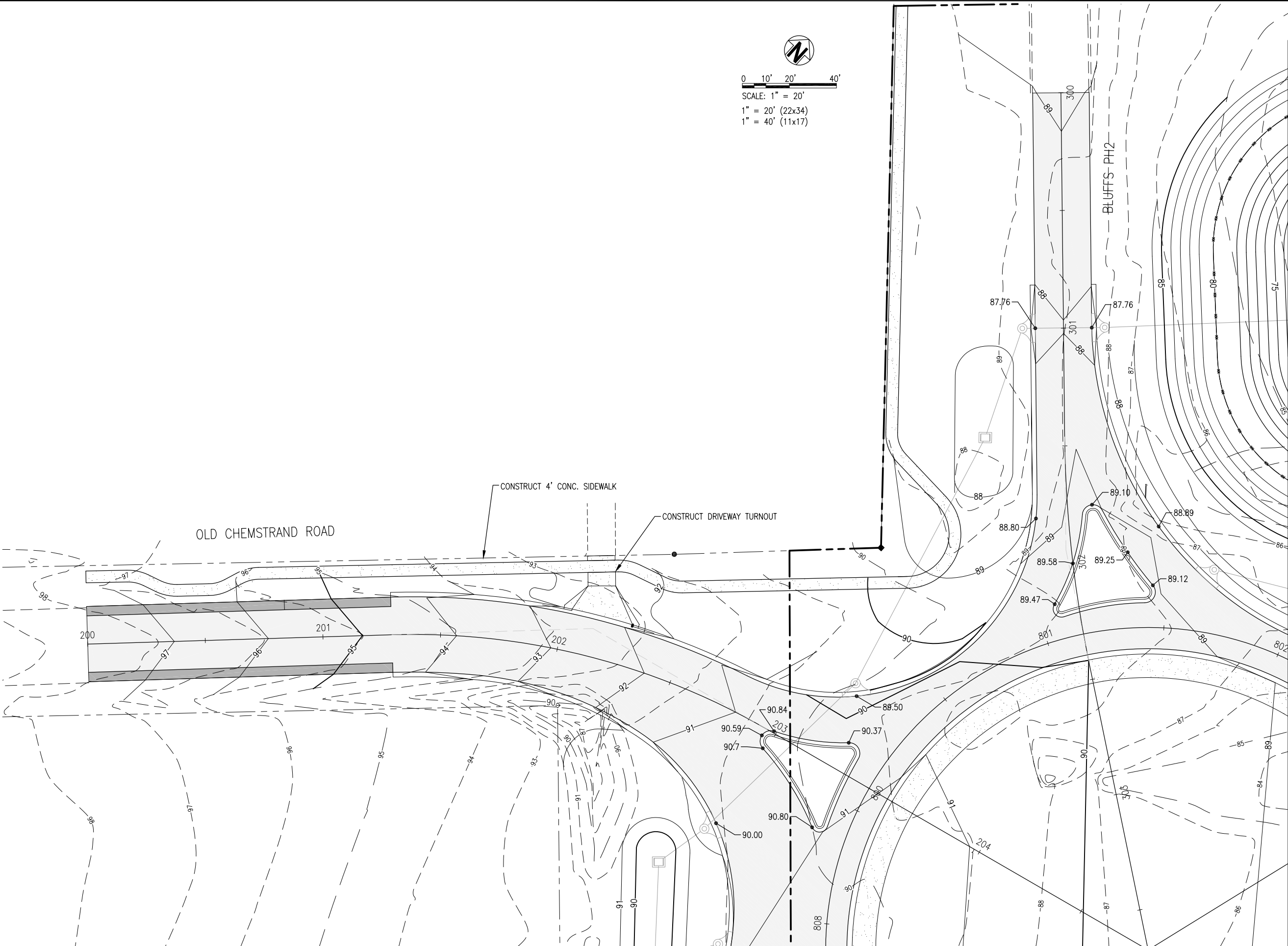


<b>OVERALL GRADING PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY:					
	DRAWN BY: RGG					
	CHK'D BY:					
	PROJ. MGR: MDL					
DATE: OCT 2023	NOT RELEASED FOR CONSTRUCTION BY ____ DATE ____					
<b>C-112</b>						

**BASKERVILLE-DONOVAN, INC.**  
ENGINEERING THE SOUTH SINCE 1927  
449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861  
ENGINEERING BUSINESS: EB-0000340  
Pensacola • Panama City Beach • Tallahassee • Mobile

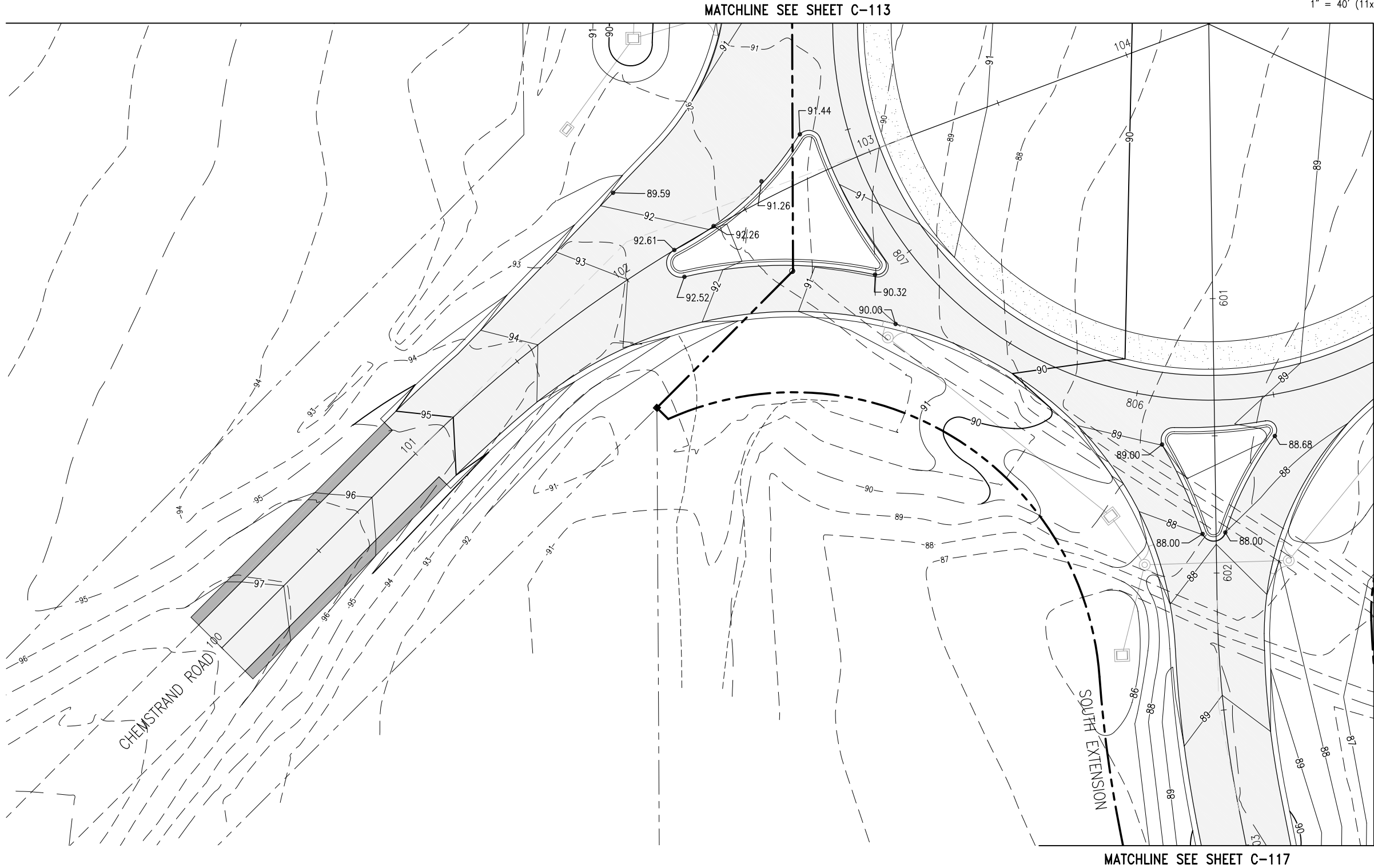
JOHN J. FRICK, P.E.  
FL. Reg. Engineer #56469

E:\DWG\1145\114507.01 BluffsRoundAbout\C-113-117 Grading.dwg, Feb 15, 2024 - 11:21:40AM, rgeiger





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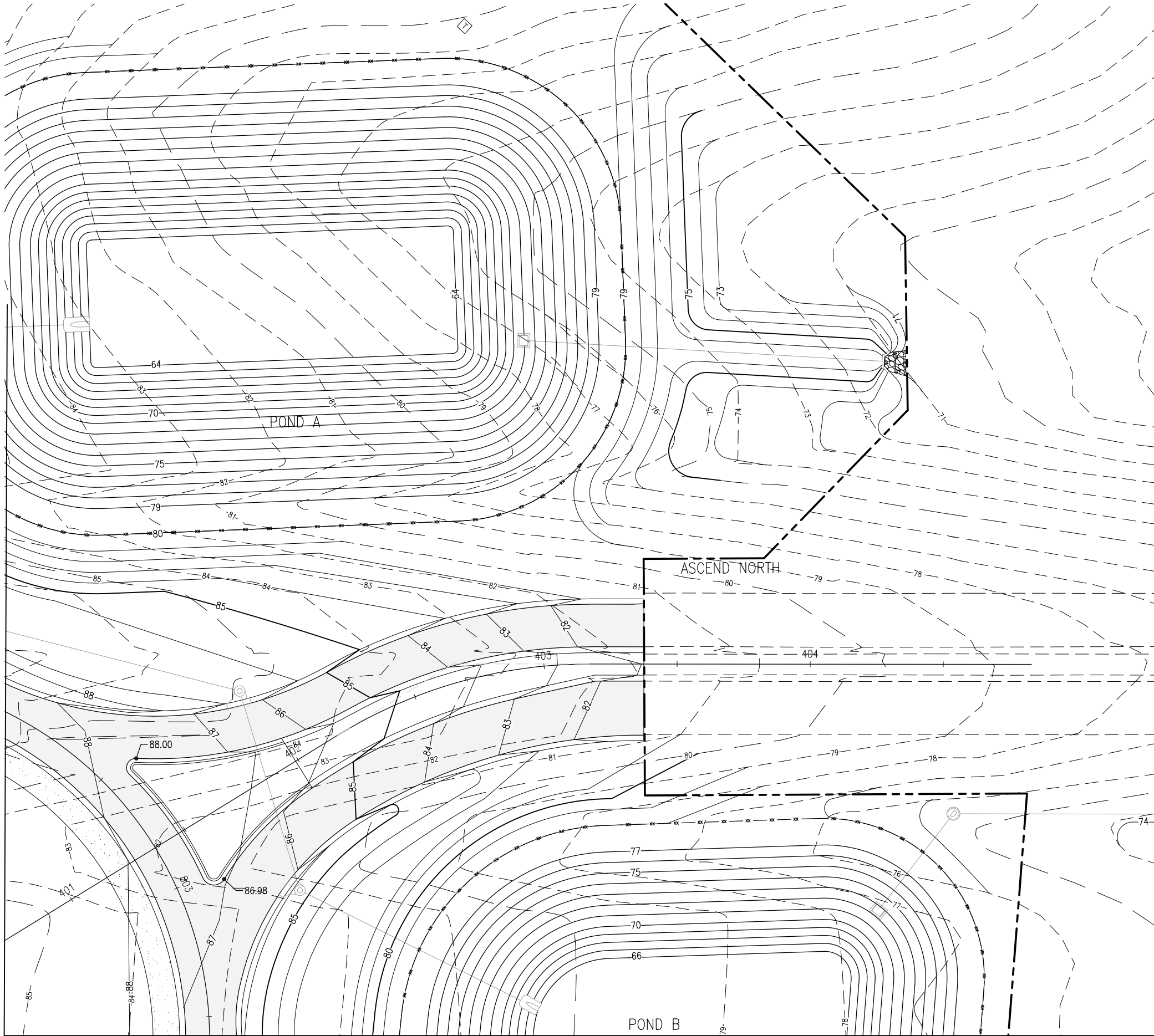
0 10' 20' 40'  
SCALE: 1" = 20'  
1" = 20' (22x34)  
1" = 40' (11x17)



<b>C-114</b>	<b>SOUTHWEST AREA GRADING PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION / ACTION	TAKEN	
		DESIGNED BY:						
		DRAWN BY: RGG						
		CHK'D BY:						
		PROJ. MGR: MDL						
DATE: OCT 2023		NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____						
		<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>						
		JASON J. FRICK P.E. FL Reg. Engineer #56469						
		<b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola • Panama City Beach • Tallahassee • Mobile <small>This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.</small>						

E:\DWG\1145\114507.01 BluffsRoundAbout\C-113-117 Grading.dwg, Feb 15, 2024 - 11:21:43AM, rgeiger

MATCHLINE SEE SHEET C-113




MATCHLINE SEE SHEET C-116

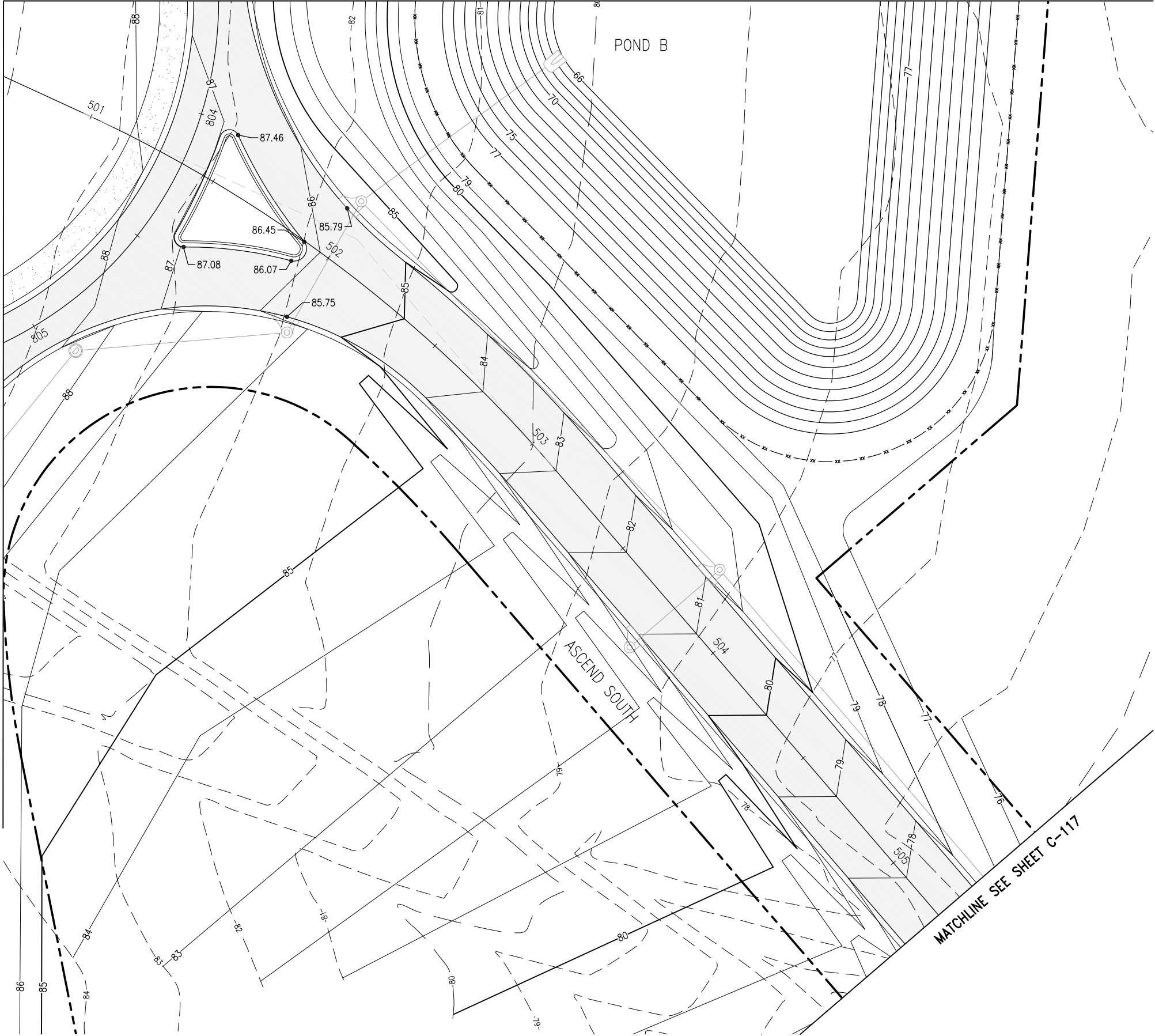
0 10' 20' 40'  
SCALE: 1" = 20'  
1" = 20' (22x34)  
1" = 40' (11x17)



<div>C-115</div>	<div>NORTHEAST AREA GRADING PLAN</div>	PROJECT NO: 114507.01	NO.	DATE	APPR.	REVISION/ACTION	TAKEN	
		DESIGNED BY:						
		DRAWN BY: RGG						
		CHK'D BY:						
		PROJ. MGR: MDL						
DATE: OCT 2023		NOT RELEASED FOR CONSTRUCTION BY					DATE	____/____/____

<div><div>BASKERVILLE-DONOVAN, INC. ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9861 ENGINEERING BUSINESS: EB-0000340</div></div>	<div>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</div>	<div>JASON J. FRICK P.E. FL Reg. Engineer #66469</div>

MATCHLINE SEE SHEET C-114



MATCHLINE SEE SHEET C-115


POND B

ASCEND SOUTH

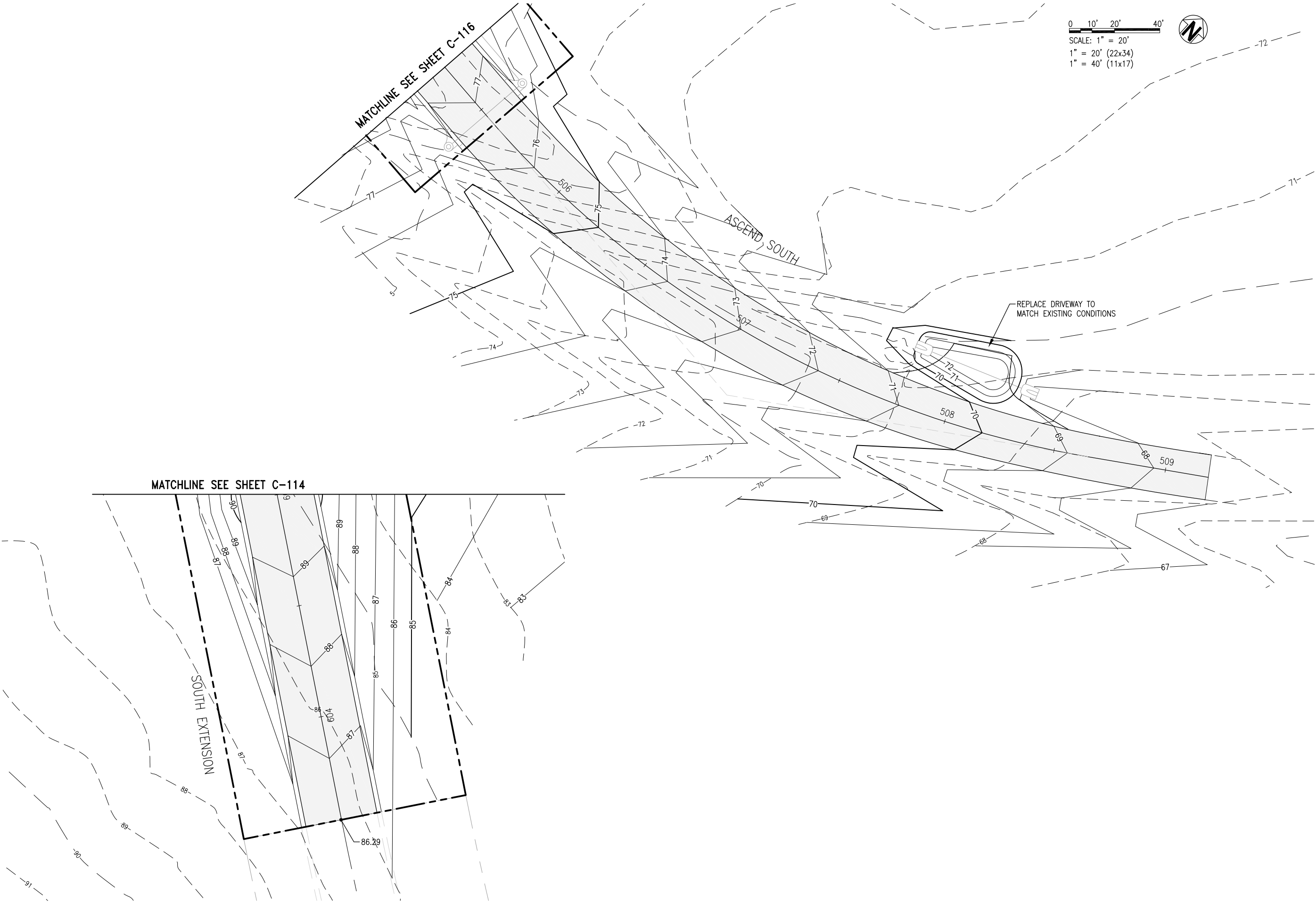
MATCHLINE SEE SHEET C-117

0 10' 20' 40'  
SCALE: 1" = 20'  
1" = 20' (22x34)  
1" = 40' (11x17)



<b>C-116</b>	<b>SOUTHEAST AREA GRADING PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
		DESIGNED BY: RGG					
		DRAWN BY: RGG					
		CHK'D BY:					
		PROJ. MGR: MDL					
DATE: OCT 2023		NOT RELEASED FOR CONSTRUCTION BY ___ DATE ___/___/___					
<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>		JASON J. FRICK P.E. FL Reg. Engineer #56469					
		<b>BASKERVILLE-DONOVAN, INC.</b> <b>ENGINEERING THE SOUTH SINCE 1927</b> 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile					
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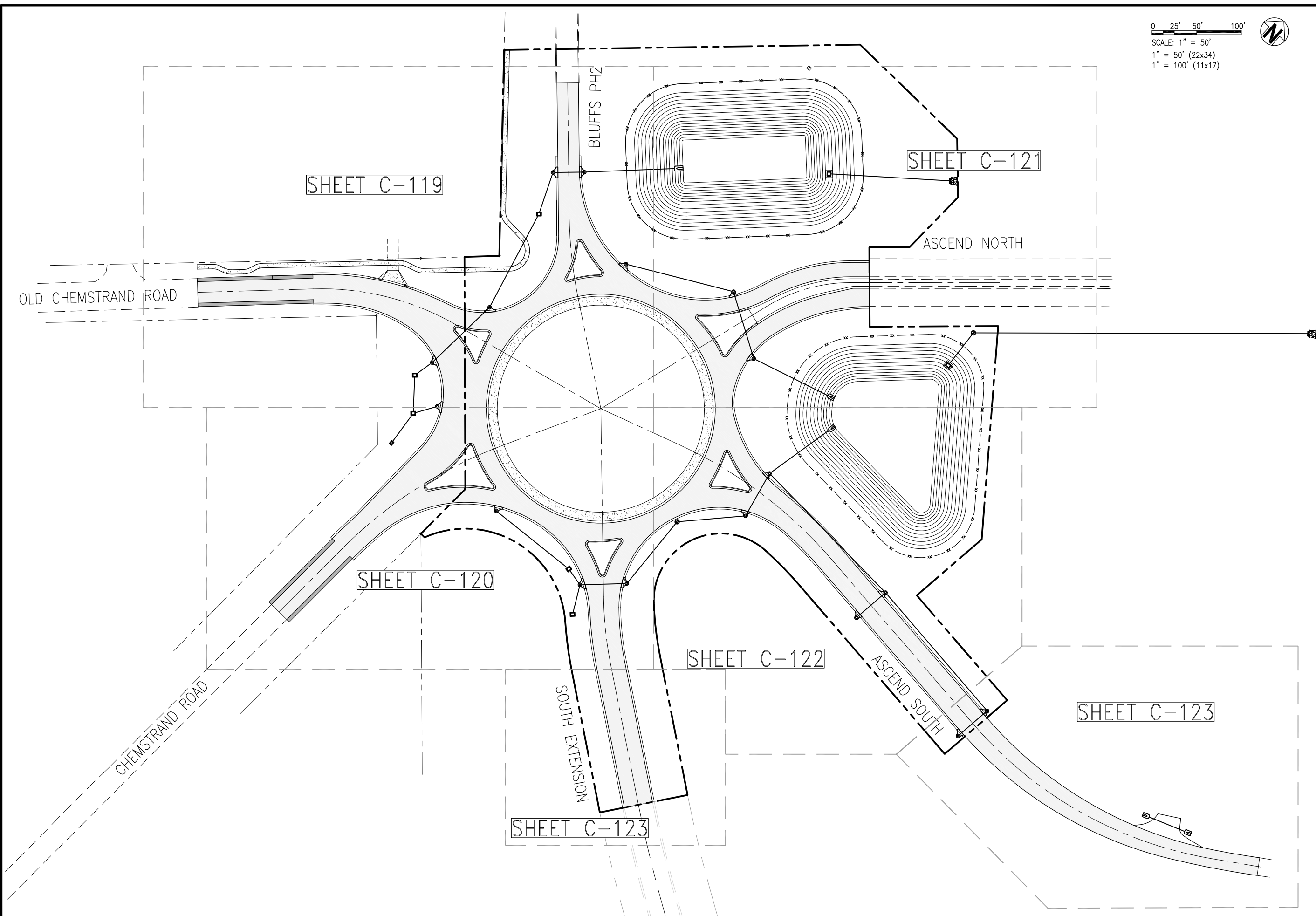


0 10' 20' 40'  
SCALE: 1" = 20'  
1" = 20' (22x34)  
1" = 40' (11x17)




<b>MISC GRADING PLAN</b>	PROJECT NO:	114507.01	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY:						
	DRAWN BY:	RG					
	CHK'D BY:						
	PROJ. MGR:	MDL					
DATE:		OCT 2023	NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____				
<b>C-117</b>							
<b>THE BLUFFS ENTRANCE/TRANSPORTATION UPGRADES</b>							
<div><b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.</div> <div>JASON J. FRICK P.E. FL Reg. Engineer #56469</div>							

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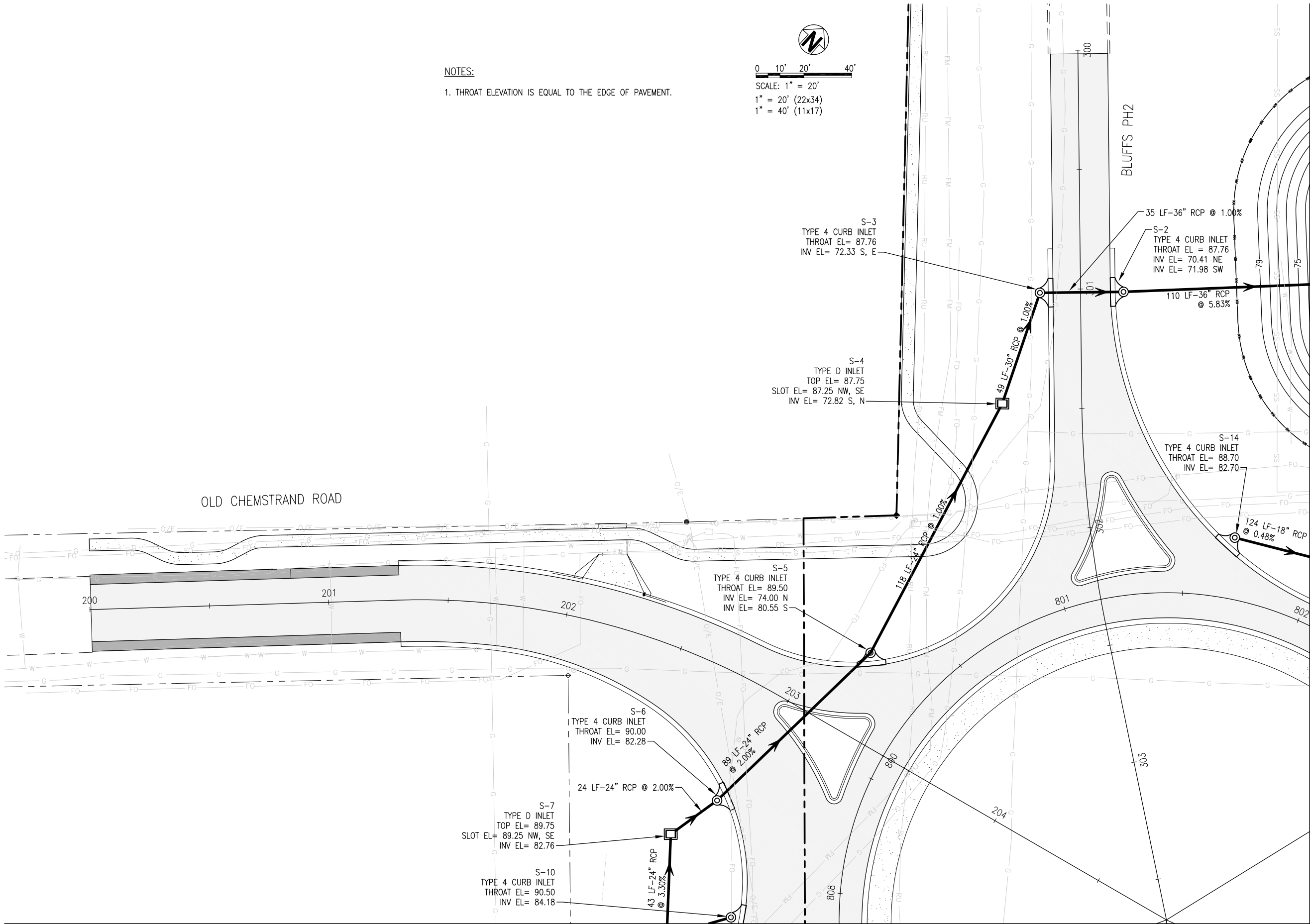
<b>OVERALL STORMWATER PIPING PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION / ACTION	TAKEN
	DESIGNED BY: RGG					
	DRAWN BY: RGG					
	CHK'D BY:					
	PROJ. MGR: MDL					
	DATE: OCT 2023					
NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____						

**BASKERVILLE-DONOVAN, INC.**  
ENGINEERING THE SOUTH SINCE 1927  
449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861  
ENGINEERING BUSINESS: EB-0000340  
Pensacola • Panama City Beach • Tallahassee • Mobile

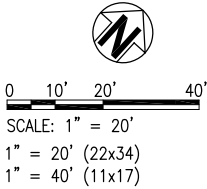
JOHN J. FRICK, P.E.  
FL Reg. Engineer #96469

**C-118**

E:\DWG\1145\114507.01 BluffsRoundAbout\C-119-123 StrmPiping.dwg, Feb 15, 2024 -- 11:22:05AM, rgeiger



NOTES:  
1. THROAT ELEVATION IS EQUAL TO THE EDGE OF PAVEMENT.

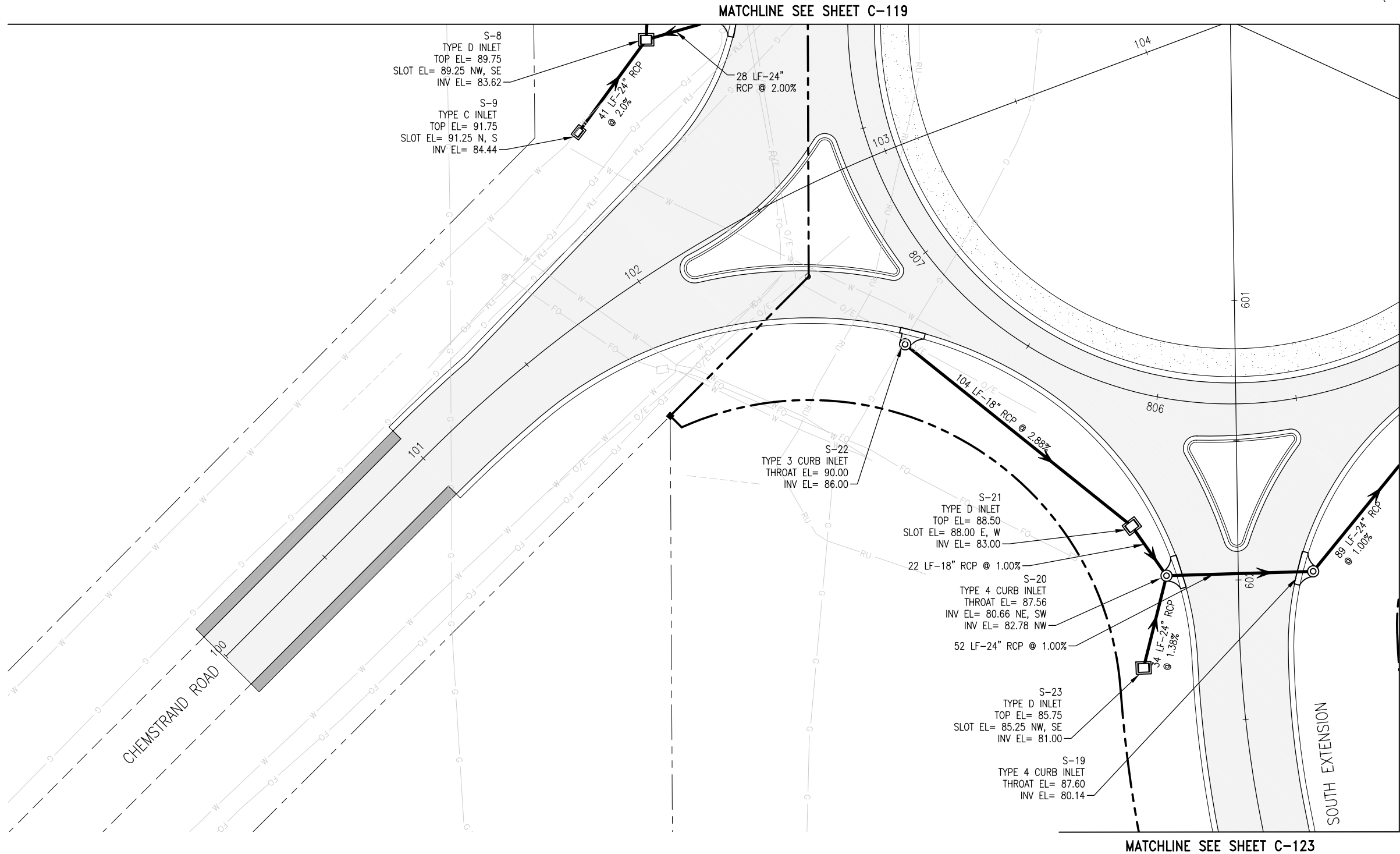


MATCHLINE SEE SHEET C-120

MATCHLINE SEE SHEET C-121

<b>C-119</b>	<b>NORTHWEST AREA STORMWATER PIPING PLAN</b>		PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION/ACTION TAKEN	<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>	<b>BASKERVILLE-DONOVAN, INC.</b> <b>ENGINEERING THE SOUTH SINCE 1927</b> 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.	JASON J. FRICK P.E. FL Reg. Engineer #56469
	DESIGNED BY: RGG									
	DRAWN BY:									
	CHK'D BY:									
			PROJ. MGR: MDL							
			DATE: OCT 2023							
			NOT RELEASED FOR CONSTRUCTION BY							
			DATE							


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- NOTES:
1. THROAT ELEVATION IS EQUAL TO THE EDGE OF PAVEMENT.

0 10' 20' 40'  
SCALE: 1" = 20'  
1" = 20' (22x34)  
1" = 40' (11x17)



<b>SOUTHWEST AREA STORMWATER PIPING PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY: CHK'D BY:					
	DRAWN BY: RGG					
	PROJ. MGR: MDL					
	DATE: OCT 2023	NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____				
<b>C-120</b>						
<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>						
<div><b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola • Panama City Beach • Tallahassee • Mobile</div> <div>JASON J. FRICK, P.E. FL Reg. Engineer #56469</div>						





1. THROAT ELEVATION IS EQUAL TO THE EDGE OF PAVEMENT.

JASON J. FRICK P.E.  
FL Reg. Engineer #86

**THE BLUFFS  
ENTRANCE/  
TRANSPORTATION  
UPGRADES**

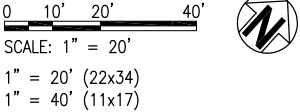
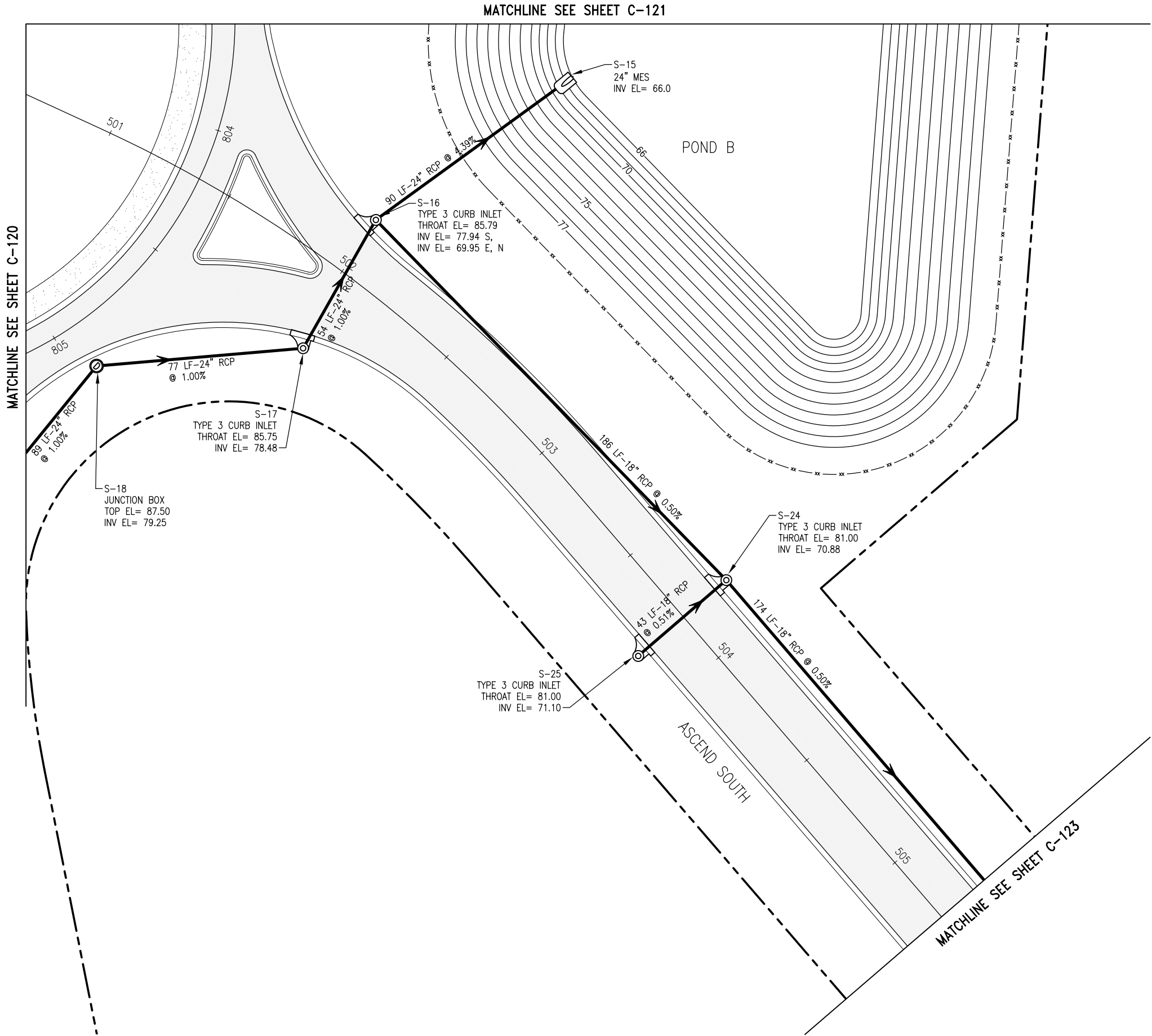
PROJECT NO: 114507.01	NO.	DATE	APPR.	REVISION/ACTION TAKEN
DESIGNED BY:				
DRAWN BY: RGC				
CHK'D BY:				
PRQD. MGR: MDL				
DATE: OCT 2023				
NOT RELEASED FOR CONSTRUCTION BY --- DATE ---/---/---				

**NORTHEAST AREA  
STORMWATER PIPING  
PLAN**

**C-121**



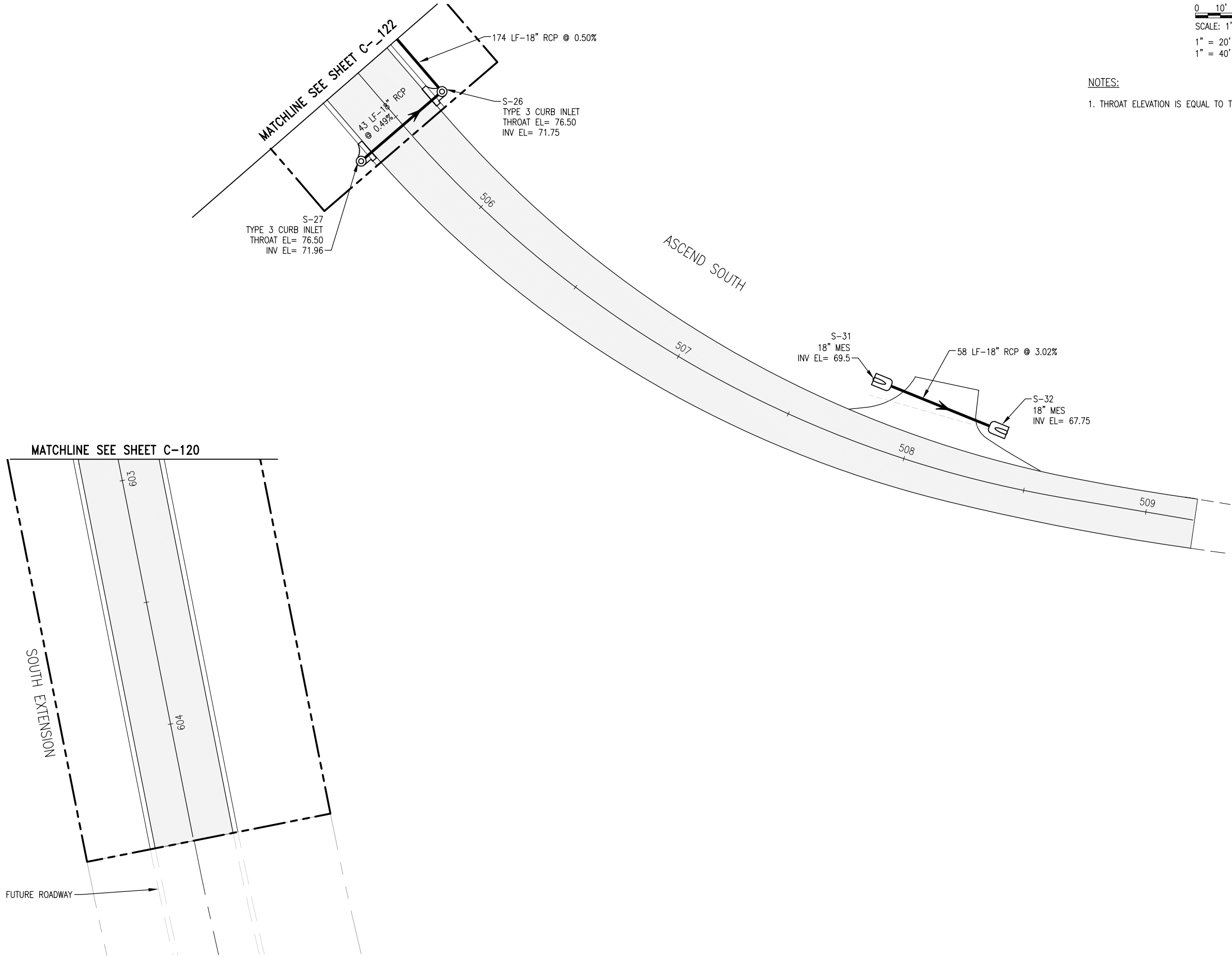
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- NOTES:
1. THROAT ELEVATION IS EQUAL TO THE EDGE OF PAVEMENT.

<b>SOUTHEAST AREA STORMWATER PIPING PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY: RGG					
	DRAWN BY: CHK'D BY:					
	PROJ. MGR: MDL DATE: OCT 2023					
NOT RELEASED FOR CONSTRUCTION BY _____ DATE ____/____/____						
<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>						
<div><b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile</div> <div>JOHN J. FRICK P.E. FL Reg. Engineer #56469</div>						
<b>C-122</b>						

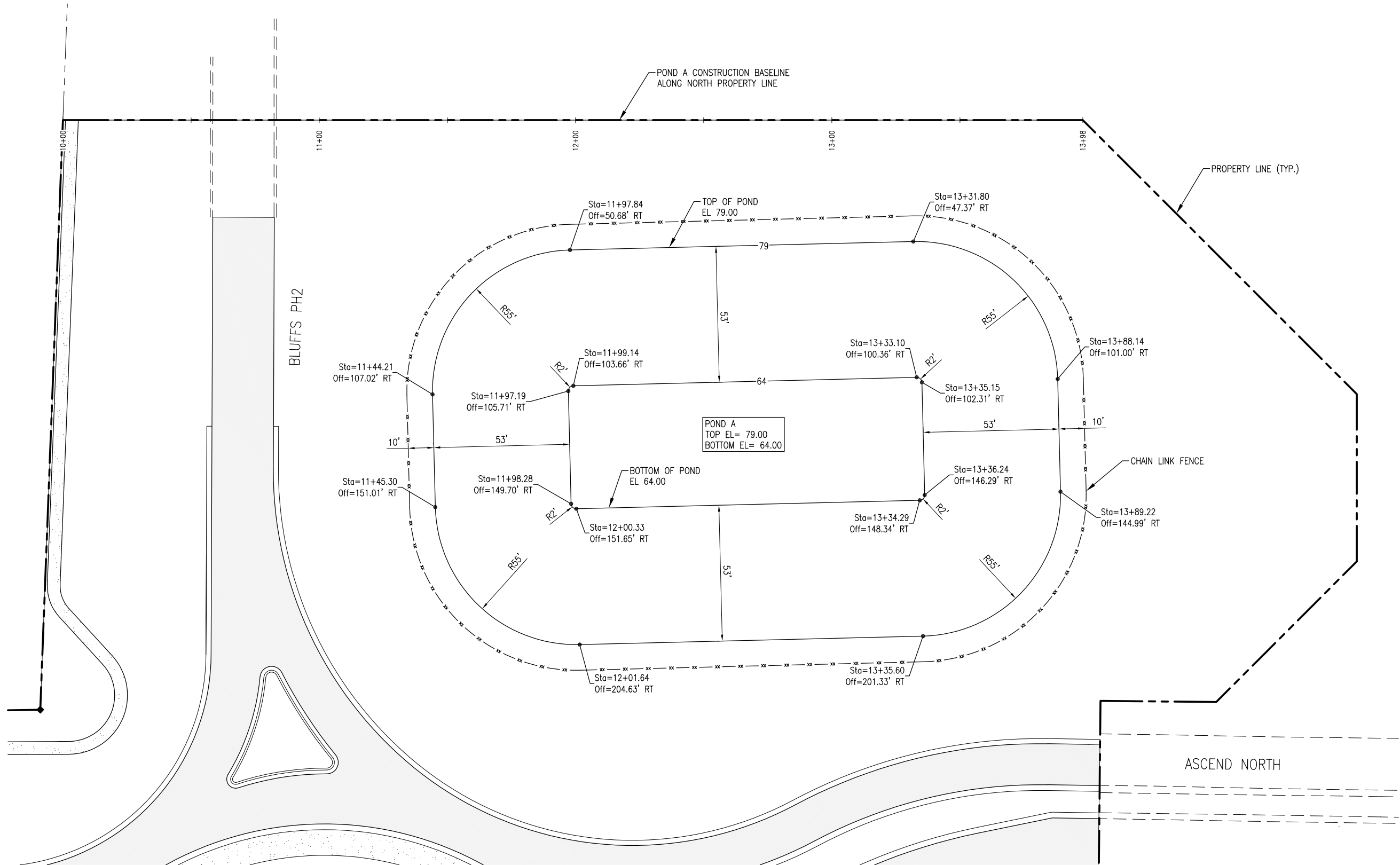
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NOTES:  
1. THROAT ELEVATION IS EQUAL TO THE EDGE OF PAVEMENT.

<b>MISC STORMWATER PIPING PLAN</b>	<b>PROJECT NO:</b> 114507.01		NO.	DATE	APPR.	REVISION / ACTION TAKEN	
	DESIGNED BY: DRAWN BY: RGG CHK'D BY: PROJ. MGR: MDL DATE: OCT 2023						
<b>C-123</b>	<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>		JASON J. FRICK, P.E. FL Reg. Engineer #56469				
	 <b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile		This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.				

E:\DWG\1145\114507.01 BluffsRoundAbout\C-149-150 PondStaking.dwg, Feb 15, 2024 - 11:22:21AM, rgeiger



POND A STAKING PLAN

SCALE: 1" = 20' 0 10' 20' 40'

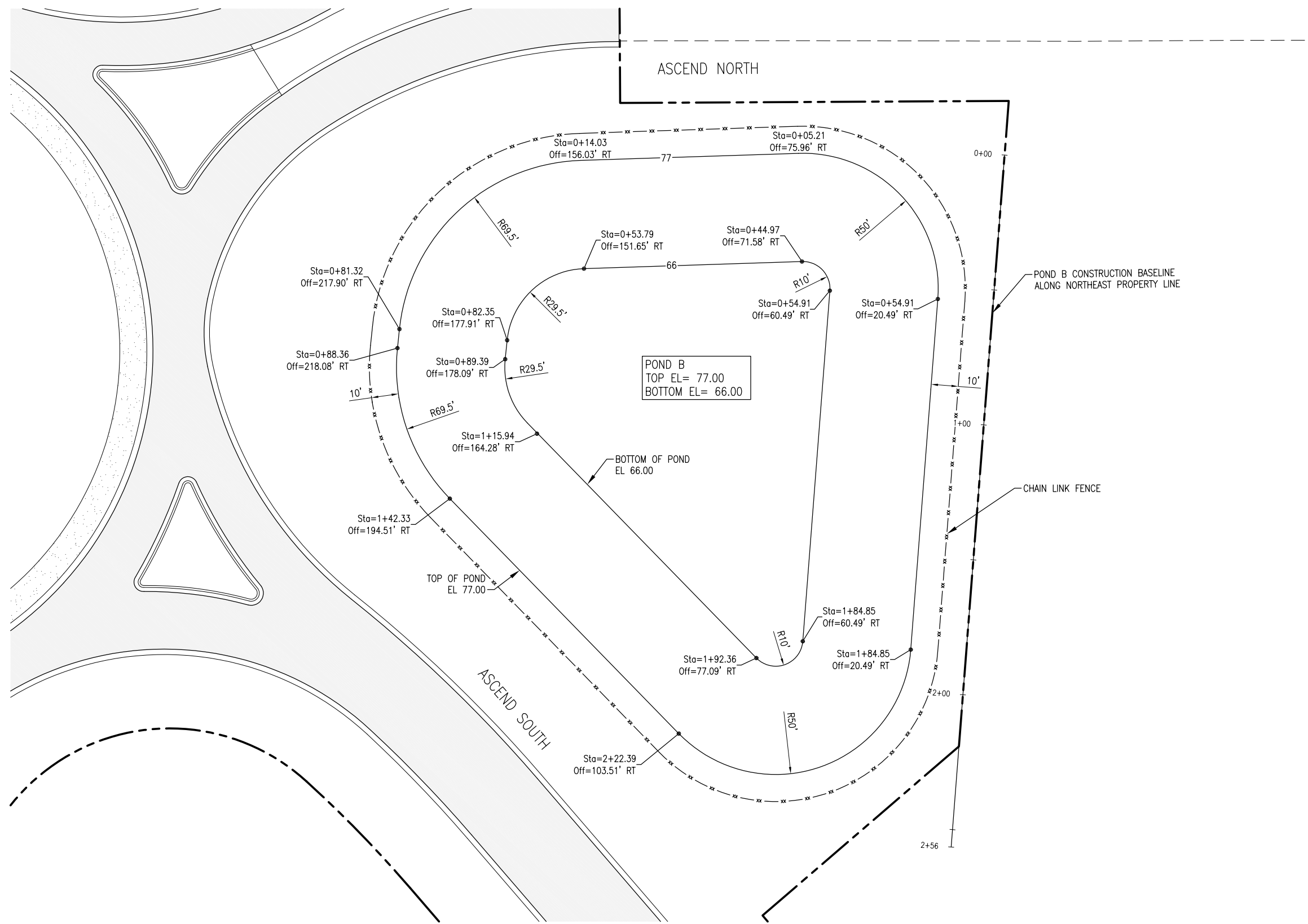
1" = 20' (22x34)  
1" = 40' (11x17)



<b>POND A</b> <b>STAKING PLAN</b>	PROJECT NO:	114507.01	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY:	HFB					
	DRAWN BY:	RCG					
	CHK'D BY:						
	PROJ. MGR:	MDL					
DATE:		OCT 2023	NOT RELEASED FOR CONSTRUCTION BY DATE				
<b>C-149</b>							

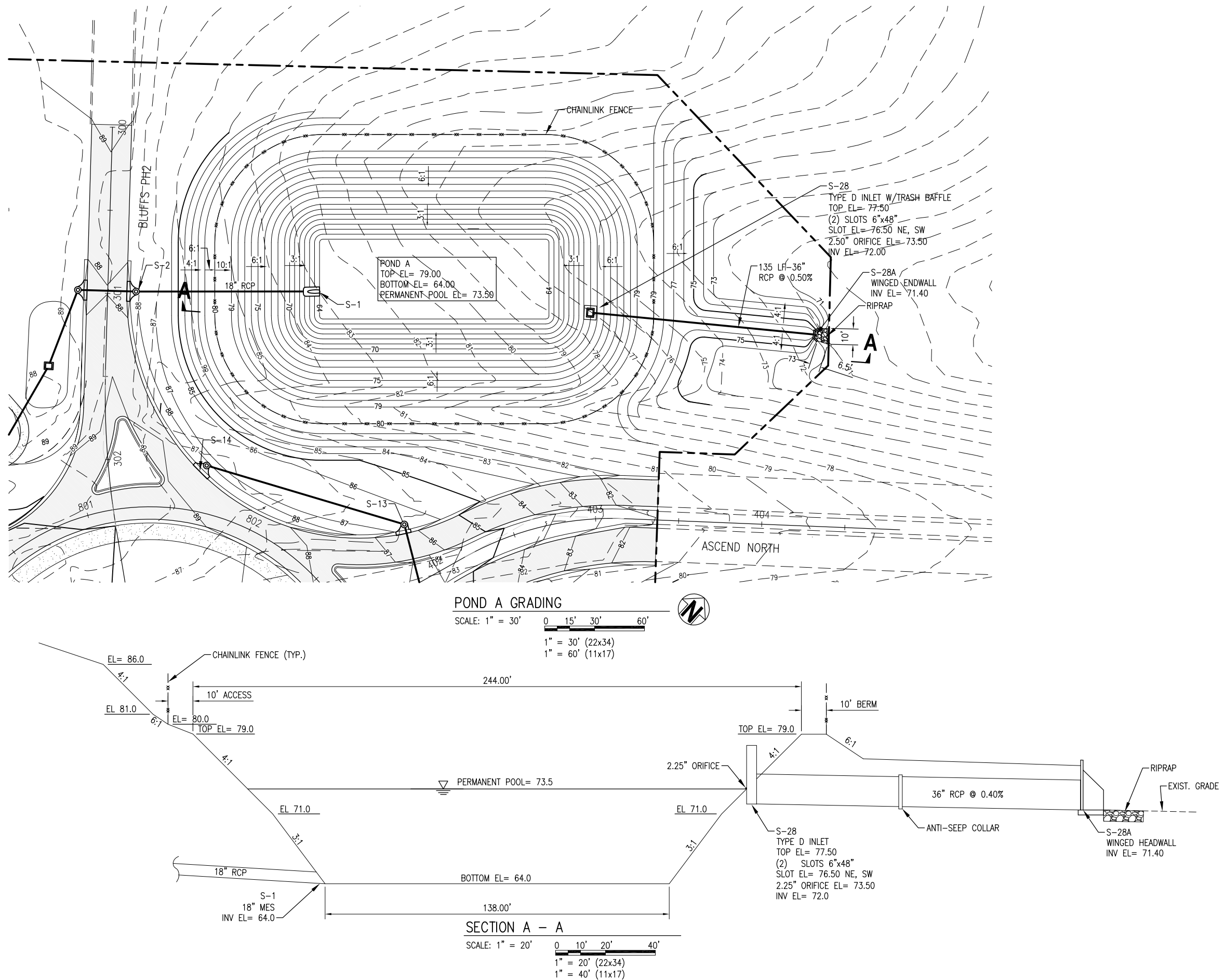
**BASKERVILLE-DONOVAN, INC.**  
ENGINEERING THE SOUTH SINCE 1927  
449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861  
ENGINEERING BUSINESS: EB-0000340  
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JOHN J. FRICK, P.E.  
FL. Reg. Engineer #56469

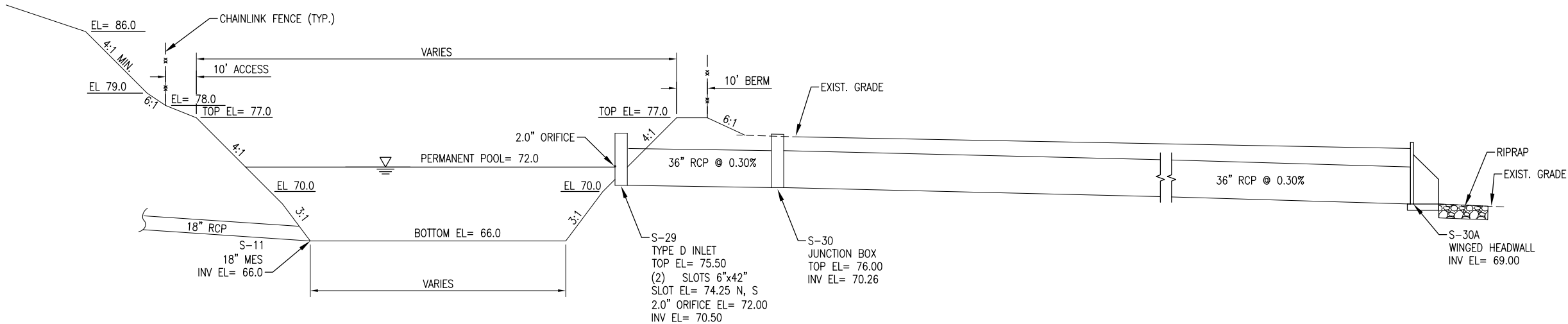
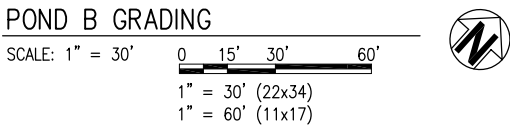
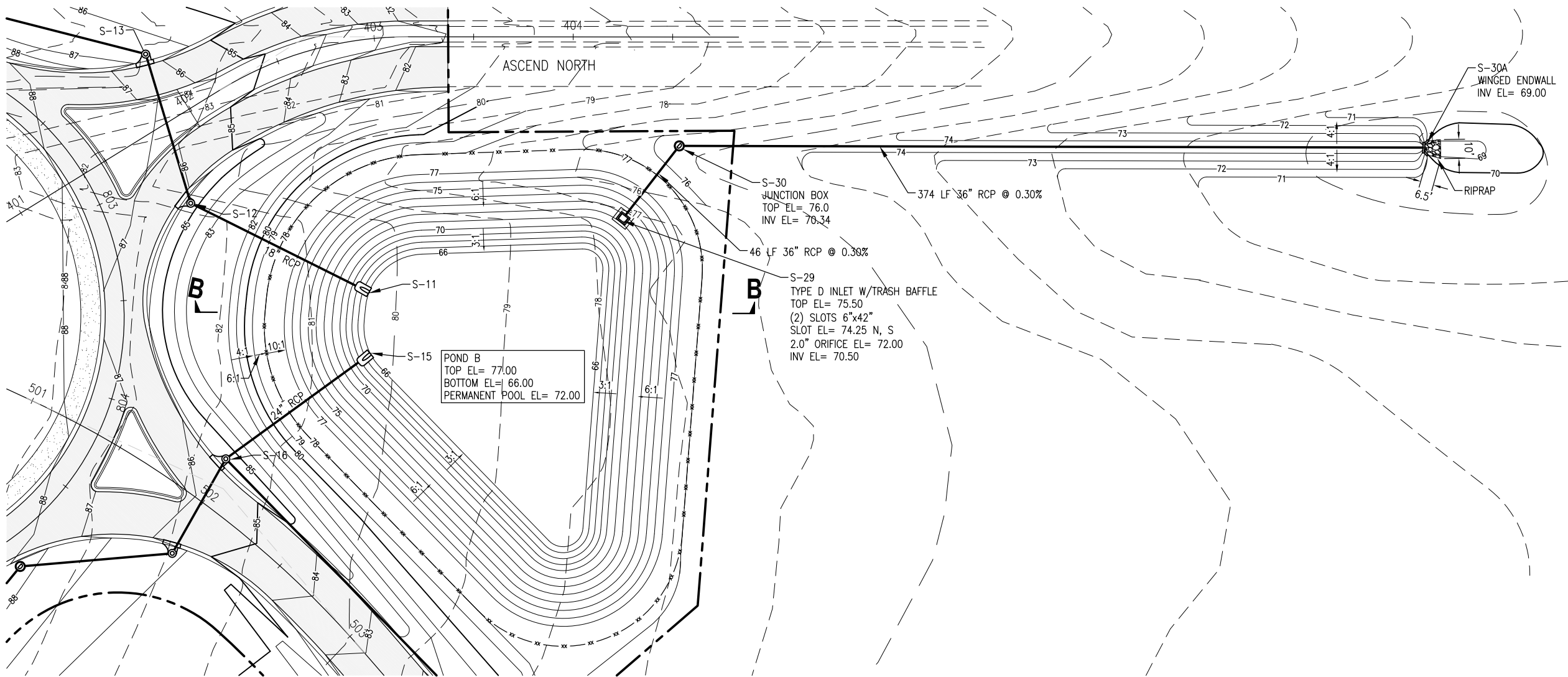


POND B STAKING PLAN  
SCALE: 1" = 20'  
1" = 20' (22x34)  
1" = 40' (11x17)

<b>POND B STAKING PLAN</b>	PROJECT NO: <b>114507.01</b>	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
	DESIGNED BY: HFB					
	DRAWN BY: RGG					
	CHK'D BY:					
PROJ. MGR: MDL						
DATE: OCT 2023						
NOT RELEASED FOR CONSTRUCTION BY DATE / /						
<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>						
<b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 ENGINEERING BUSINESS: EB-0000340 Pensacola - Panama City Beach - Tallahassee - Mobile This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.						

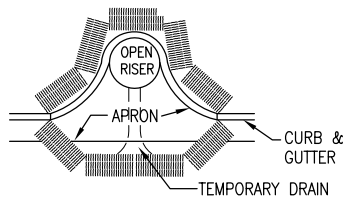


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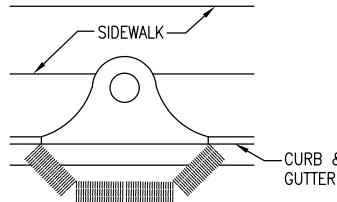


<b>BASKERVILLE-DONOVAN, INC.</b> ENGINEERING THE SOUTH SINCE 1927 449 W. MAIN ST., PENSACOLA, FL 32502 (850) 438-9861 Pensacola - Panama City Beach - Tallahassee - Mobile ENGINEERING BUSINESS: EB-0000340 This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.	<b>THE BLUFFS ENTRANCE/TRANSPORTATION UPGRADES</b>	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
		NOT RELEASED FOR CONSTRUCTION BY DATE				
<b>POND B GRADING PLAN</b>	PROJECT NO:	114507.01				
	DESIGNED BY:	HFB				
	DRAWN BY:	RCG				
	CHK'D BY:					
	PROJ. MGR:	MDL				

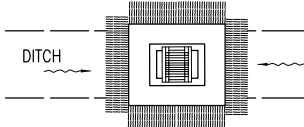
**C-152**



PARTIAL INLET



COMPLETED INLET

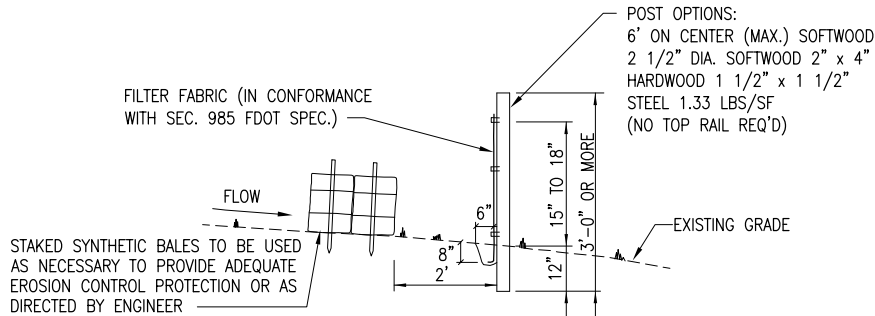


DITCH BOTTOM INLET

ANCHOR BALES WITH 2 - 2" X 2" X 4' STAKES PER BALE.

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

NOT TO SCALE

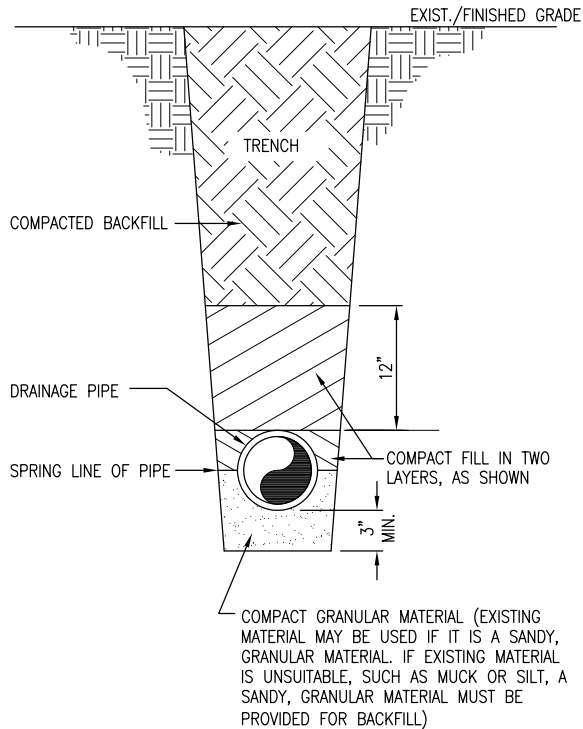
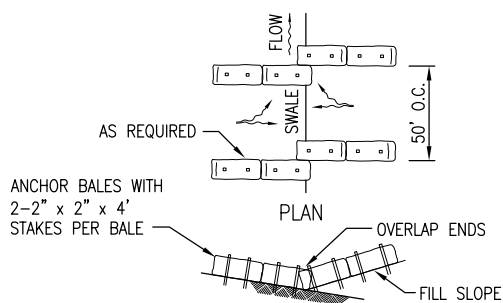


SILT FENCE NOTES:

1. FABRIC TO BE PLACED FACING DRAINAGE FLOW.
2. FABRIC TO BE PLACED IN A 6" WIDE X 8" DEEP CONTINUOUS TRENCH, THEN BACKFILLED.
3. ALL LUMBER TO BE PRESSURE/PRESERVATIVE TREATED.
4. SILT FENCE TO BE INSTALLED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. SILT FENCE TO REMAIN UNTIL 100% PROJECT GRASSING (STABILIZATION) IS ACHIEVED.
5. PREFABRICATED SILT FENCES ARE PERMITTED AS LONG AS THEY MEET OR EXCEED FDOT SPECIFICATIONS.

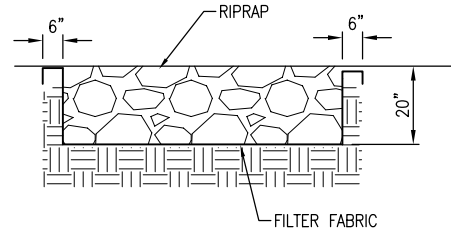
TYPE III SILT FENCE DETAIL

NOT TO SCALE



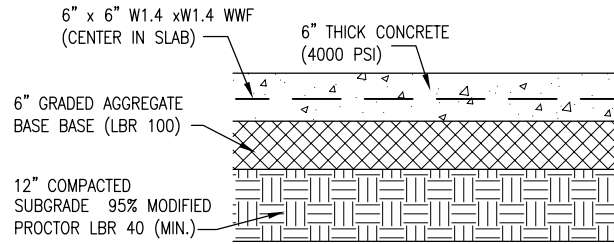
TYPICAL PIPE BEDDING FOR STORM DRAINS

NOT TO SCALE



RIP RAP DETAIL

NOT TO SCALE

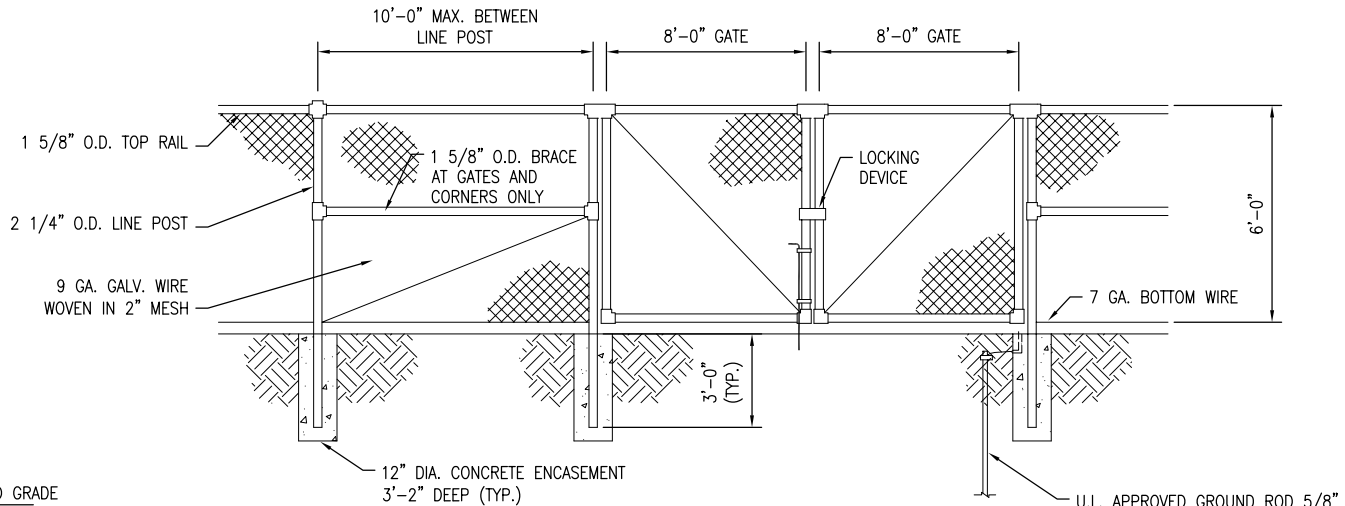


TYPICAL CONCRETE PAVEMENT SECTION

NOT TO SCALE

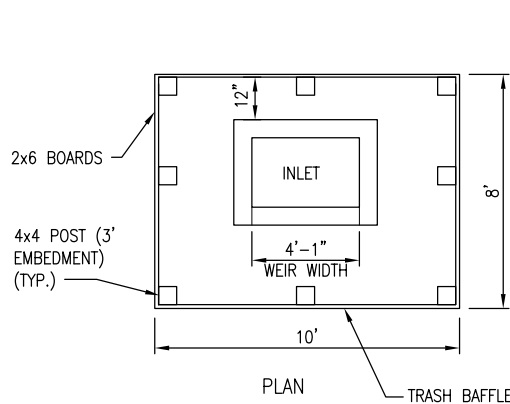
NOTES:

1. INSTALL ISOLATION JOINTS AT PAVEMENT/CURB INTERFACES.
2. 1 1/2" D X 3/16" W SAW CUT JOINT SPACING 15' MAX.
3. JOINT SEALER SHALL BE EUCOLASTIC URETHANE SEALANT OR APPROVED EQUAL.



6' CHAIN LINK FENCE DETAIL

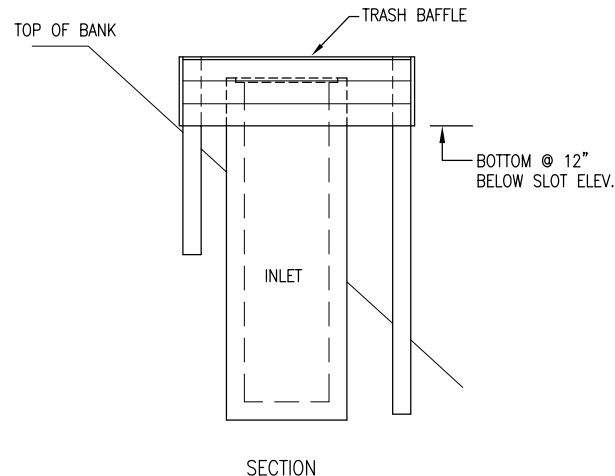
NOT TO SCALE



NOTE: TRASH BAFFLES SHALL BE CONSTRUCTED OF PRESSURE TREATED LUMBER (0.40 CCA) AND GALVANIZED NAILS.

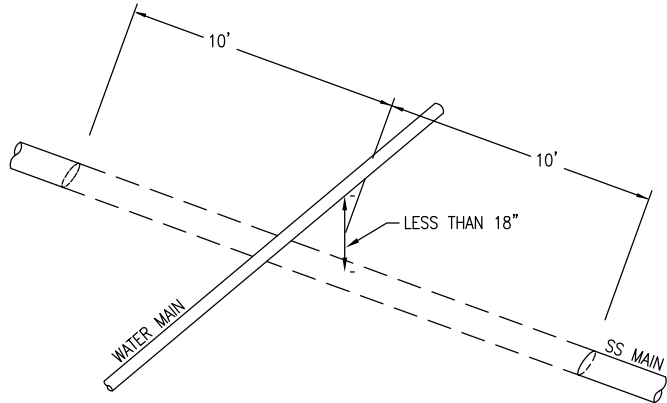
TRASH BAFFLE DETAIL

NOT TO SCALE



PROJECT NO.	114507.01	NO.	DATE	APPR.	REVISION/ACTION TAKEN
DESIGNED BY:	RCG				
DRAWN BY:	RCG				
CHK'D BY:					
PROJ. MGR:	MDL				
DATE:	OCT 2023				
					NOT RELEASED FOR CONSTRUCTION BY DATE

SANITARY SEWER LINES (GRAVITY OR PRESSURE) SHALL HAVE 18" OR GREATER VERTICAL CLEARANCE BELOW ANY POTABLE WATER LINE WHEN CROSSING. A MINIMUM OF 6" VERTICAL CLEARANCE IS REQUIRED FOR OTHER UTILITIES. HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER LINE THAT IS PARALLEL TO AND LESS THAN 18" BELOW A POTABLE WATER LINE SHALL BE 10' OR GREATER. A MINIMUM OF 30" IS REQUIRED FOR OTHER UTILITIES. IF THIS IS NOT POSSIBLE OR PRACTICAL, SEE BELOW:



FOR CROSSING:

ALTERNATE 1: USE EQUALLY (OR HIGHER) RATED PRESSURE PIPE FOR SEWER WITH NO JOINTS CLOSER THAN 12' APART AND 6" VERTICAL.

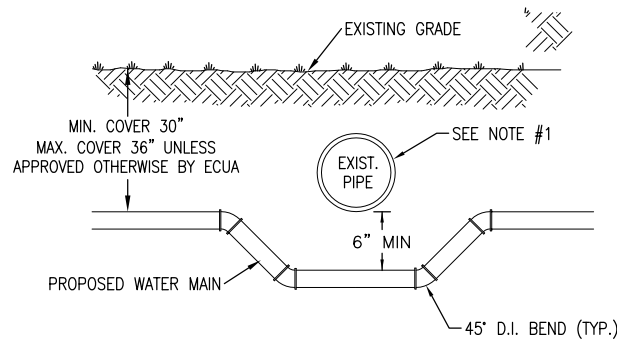
ALTERNATE 2: PLACE SEWER LINE INTO STEEL CASING AND CENTER 20' PIECE WITH 4' VERTICAL CLEARANCE AND SEAL ENDS.

FOR PARALLEL: AND 6' TO 10' APART USE ALTERNATE 2, BUT IF MORE THAN 40' IN LENGTH, ALTERNATE 1 MUST BE USED AND JOINTS ARE TO BE STAGGERED. IF LINES MUST BE 3' TO 6' APART, ALTERNATE 1 MUST BE USED WITH A HIGHER RATED PRESSURE PIPE FOR SEWER (i.e., WATER LINE IS DR25 THEN USE DR18 OR 21 FOR SEWER).

#### SEWER/WATER MAIN SEPARATION AND CLEARANCES

NOT TO SCALE

- NOTES:
- IF EXISTING PIPE IS A SEWER MAIN, REFER TO ENCASEMENT DETAIL FOR ADDITIONAL SPECIFICATIONS.
  - ALL FITTINGS ARE TO BE C.I. RETAINING JOINT TYPE.
  - USE ONLY AS APPROVED BY ECUA



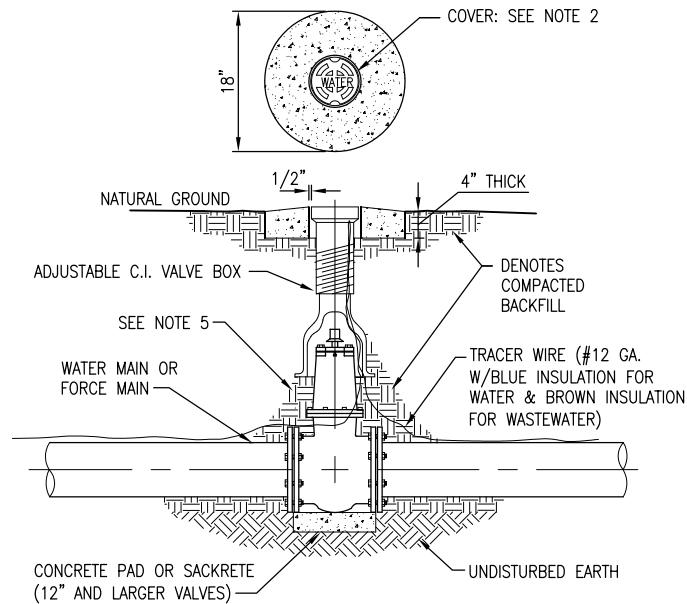
#### CONFLICT DETAIL

NOT TO SCALE

\*\* USE ONLY WITH APPROVAL FROM ECUA \*\*

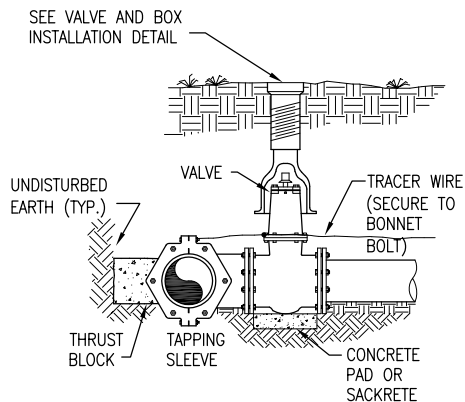
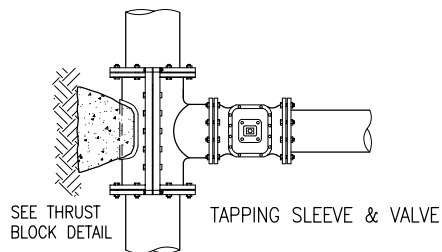
#### NOTES:

- VALVE BOX AND BOOT SHALL BE CAST IRON.
- VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE.
- VALVE BOX TOP SHALL BE FLUSH WITH FINISHED GRADE OR 1/2" ABOVE NATURAL GROUND LEVEL.
- GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS OR APPROVED EQUAL.
- EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.



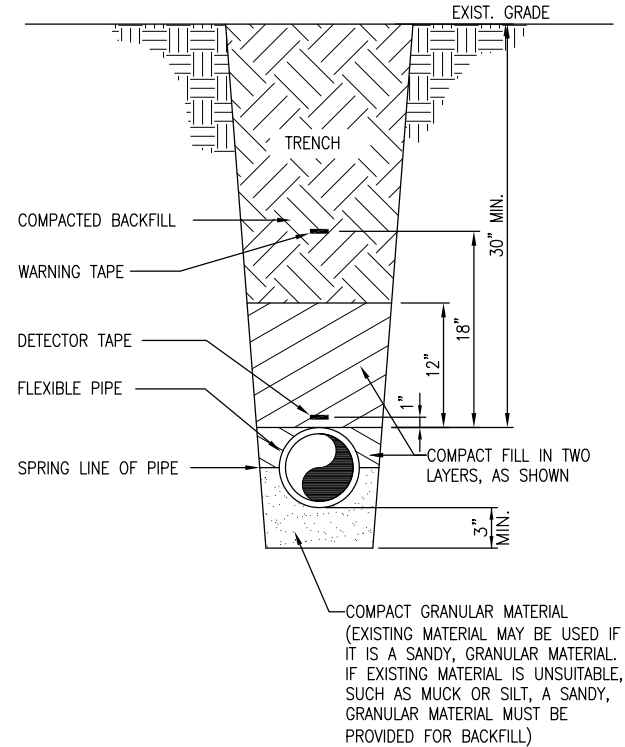
#### TYPICAL VALVE & BOX INSTALLATION

NOT TO SCALE



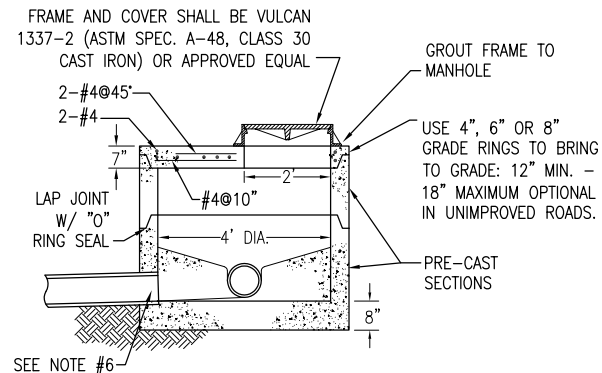
#### TYPICAL TAPPING SLEEVE & VALVE DETAIL

NOT TO SCALE



#### TYPICAL UTILITY PIPE BEDDING DETAIL

NOT TO SCALE



#### SHALLOW MANHOLE DETAIL

**BASKERVILLE-DONOVAN, INC.**  
ENGINEERING THE SOUTH SINCE 1927

449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9861

ENGINEERING BUSINESS: EB-0000340

Pensacola - Panama City Beach - Tallahassee - Mobile

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JOHN J. FRICK, P.E.  
FL Reg. Engineer #56469

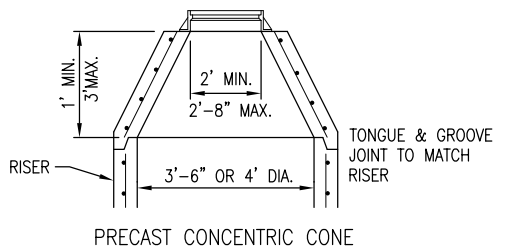
**THE BLUFFS  
ENTRANCE/  
TRANSPORTATION  
UPGRADES**

PROJECT NO.	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
114507.01					
DESIGNED BY:					
DRAWN BY: RGG					
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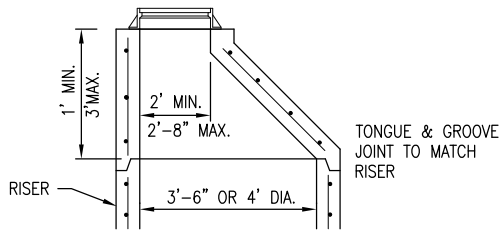
**DETAILS**

**C-901**





PRECAST CONCENTRIC CONE



PRECAST ECCENTRIC CONE

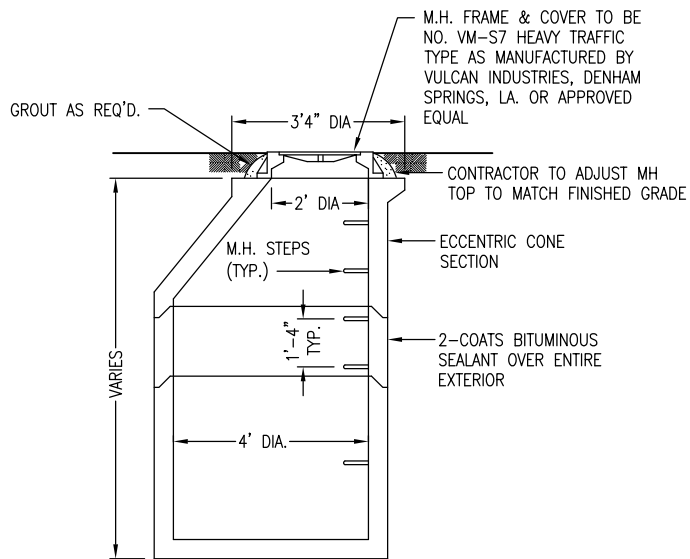
### TYPE 8 MANHOLES

#### NOTES (TOPS)

1. MANHOLE TOP TYPE 8 MAY BE OF CAST-IN-PLACE OR PRECAST CONCRETE CONSTRUCTION OR BRICK CONSTRUCTION. FOR CONCRETE CONSTRUCTION, THE CONCRETE AND STEEL REINFORCEMENT SHALL BE THE SAME AS THE SUPPORTING WALL UNIT. AN ECCENTRIC CONE MAY BE USED.
2. MANHOLE TOPS SHALL BE SECURED TO STRUCTURES BY OPTIONAL CONSTRUCTION JOINTS AS SHOWN.

### TYPICAL MANHOLE TOPS

NOT TO SCALE

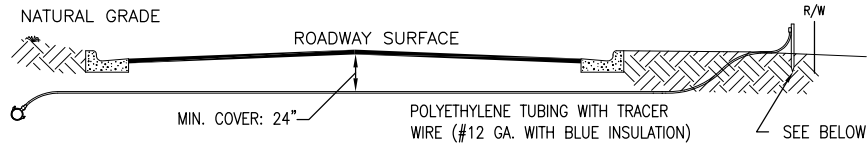


### JUNCTION BOX

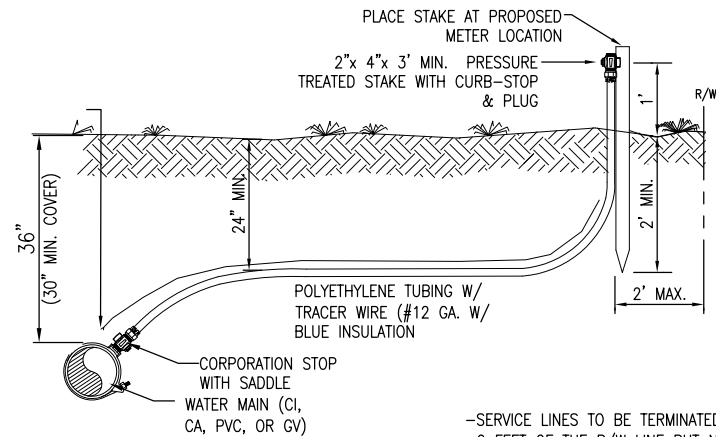
NOT TO SCALE

#### RECOMMENDED TUBING SIZE FOR WATER SERVICES

SIZE OF METER	DESIGN FLOW (GPM)	MAX. PRESSURE LOSS (PSI)	MAX. LENGTH OF TUBING FOR SIZE INDICATED		
			1"	1 1/2"	2"
5/8"	20	10	92	661	2679
1"	50	10	17	121	492
1 1/2"	100	10		34	136
2"	160	10			57



TYPICAL LONG SERVICE - STREET CROSSING



TYPICAL SINGLE SERVICE

3/4" - 20' MAX.  
1" - 20' TO 75' MAX.  
2" - 75' TO 100' MAX.

- SERVICE LINES TO BE TERMINATED WITHIN 2 FEET OF THE R/W LINE BUT NOT UNDER ANY SIDEWALK.
- EACH SERVICE TO BE LOCATED CENTRALLY ON THE LOT.

### TYPICAL WATER SERVICE

NOT TO SCALE

DETAILS

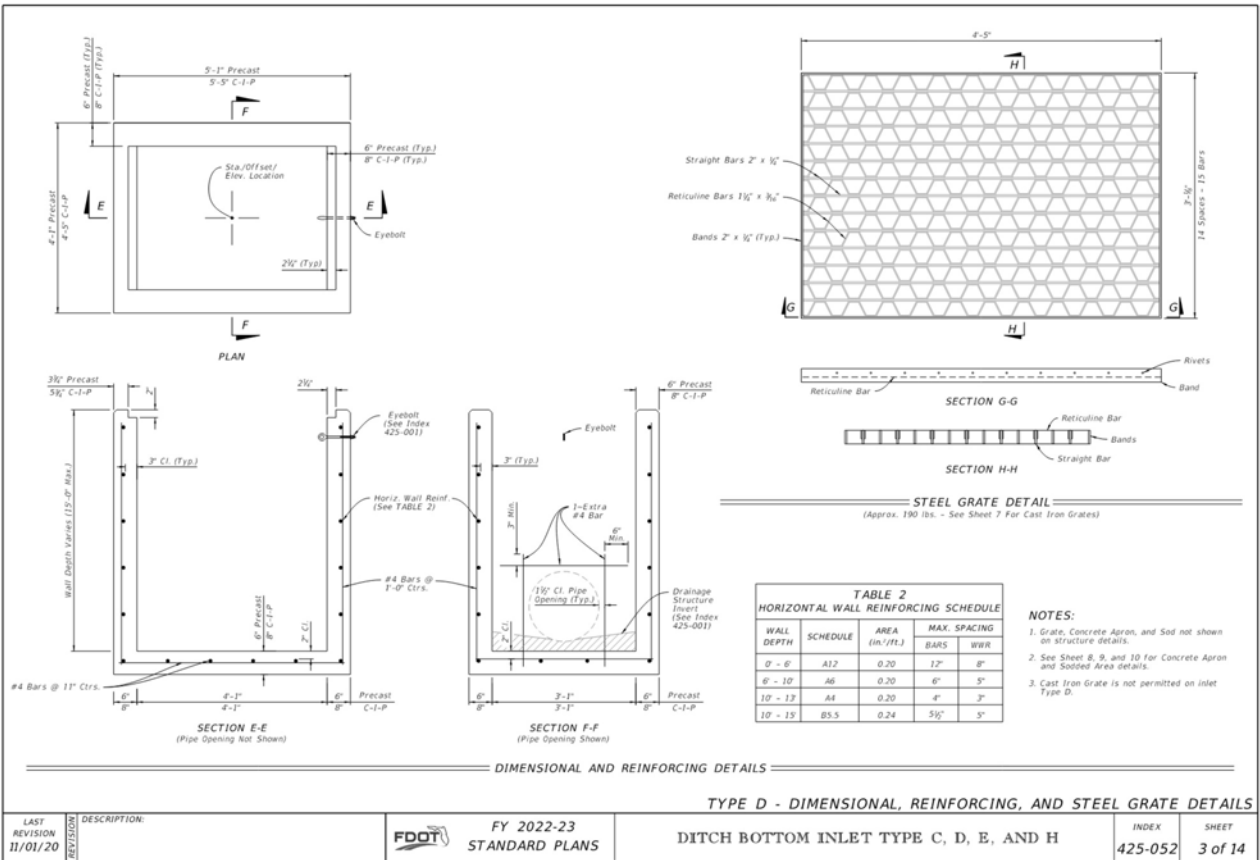
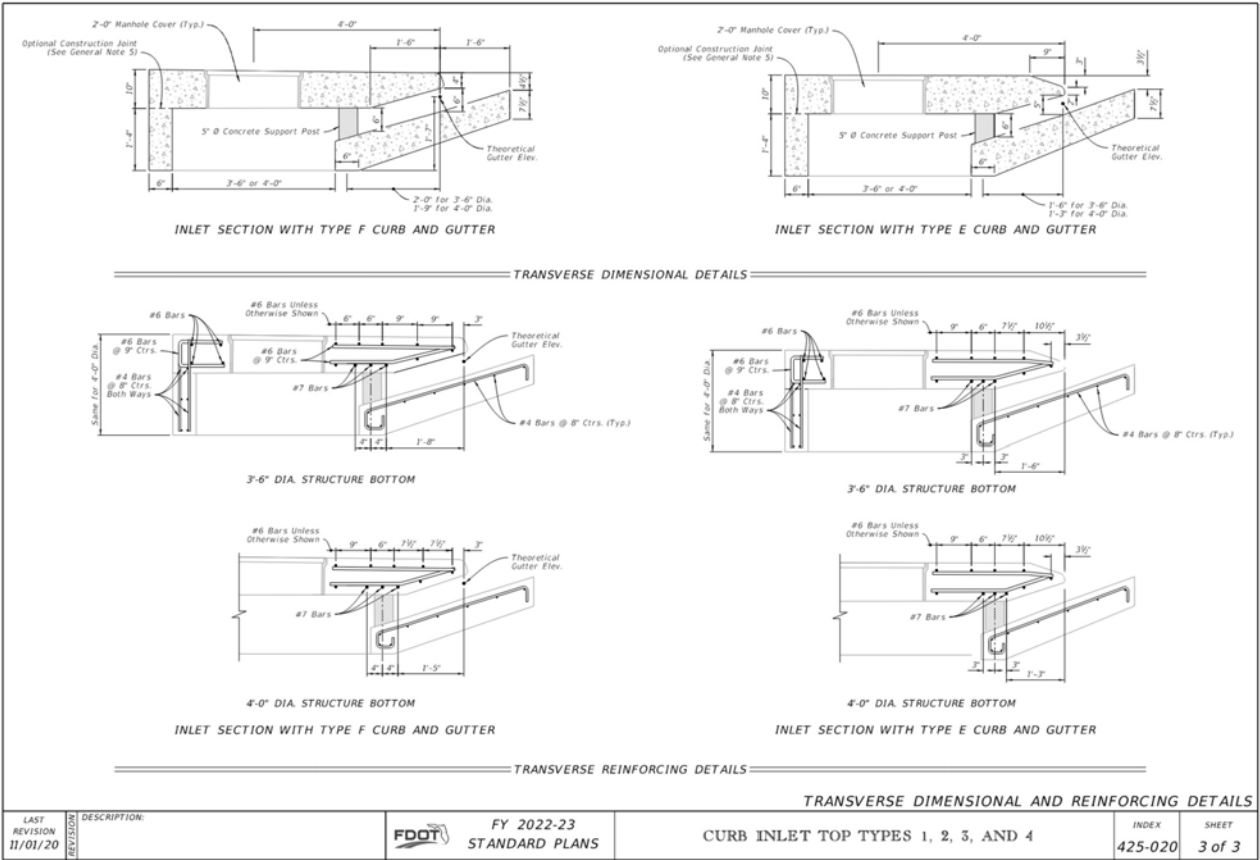
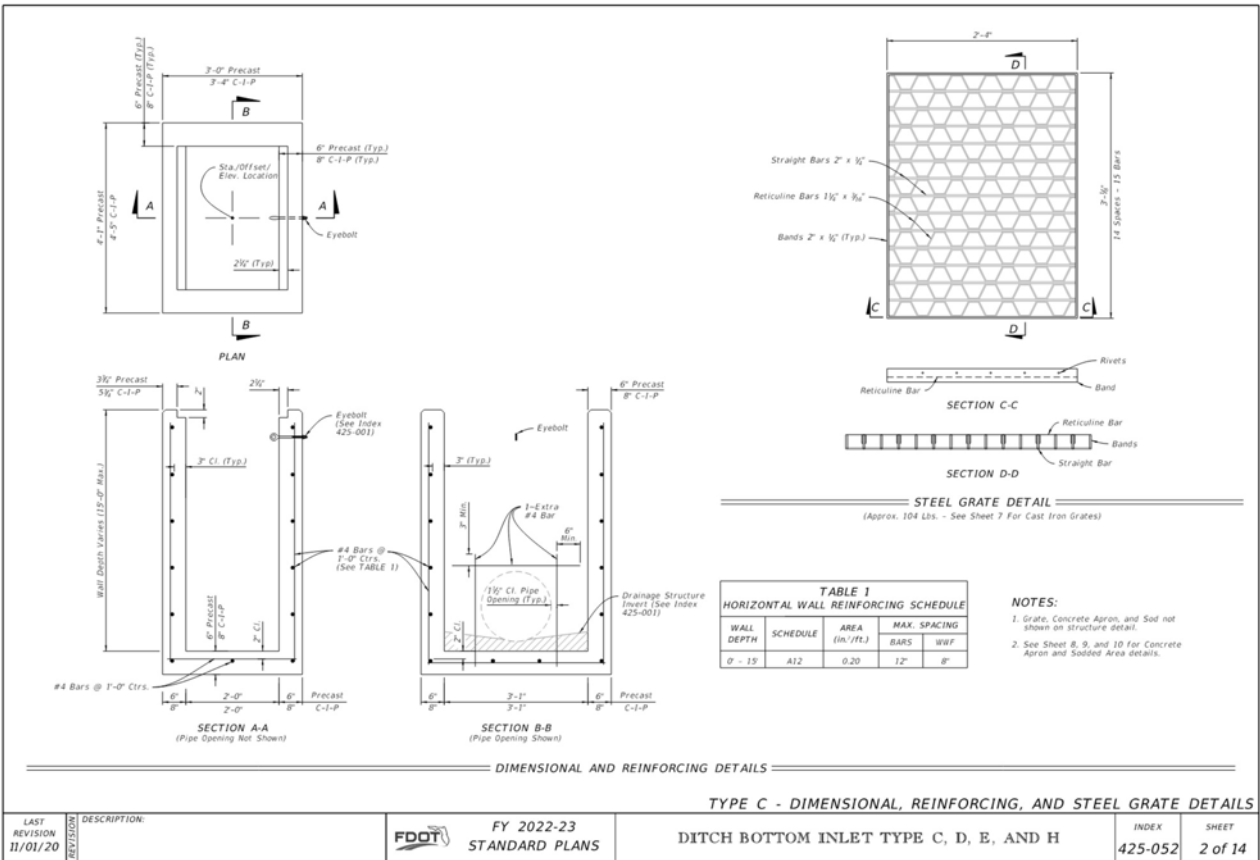
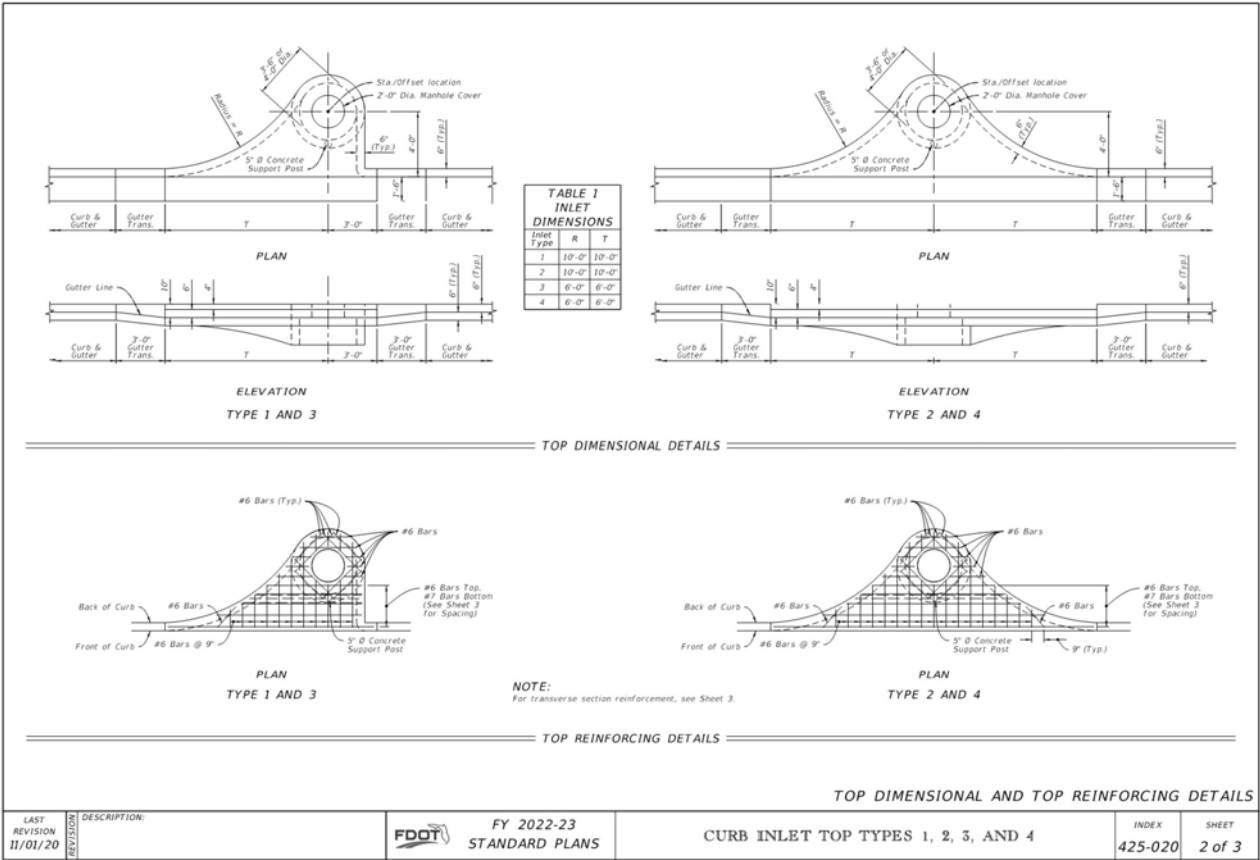
C-902

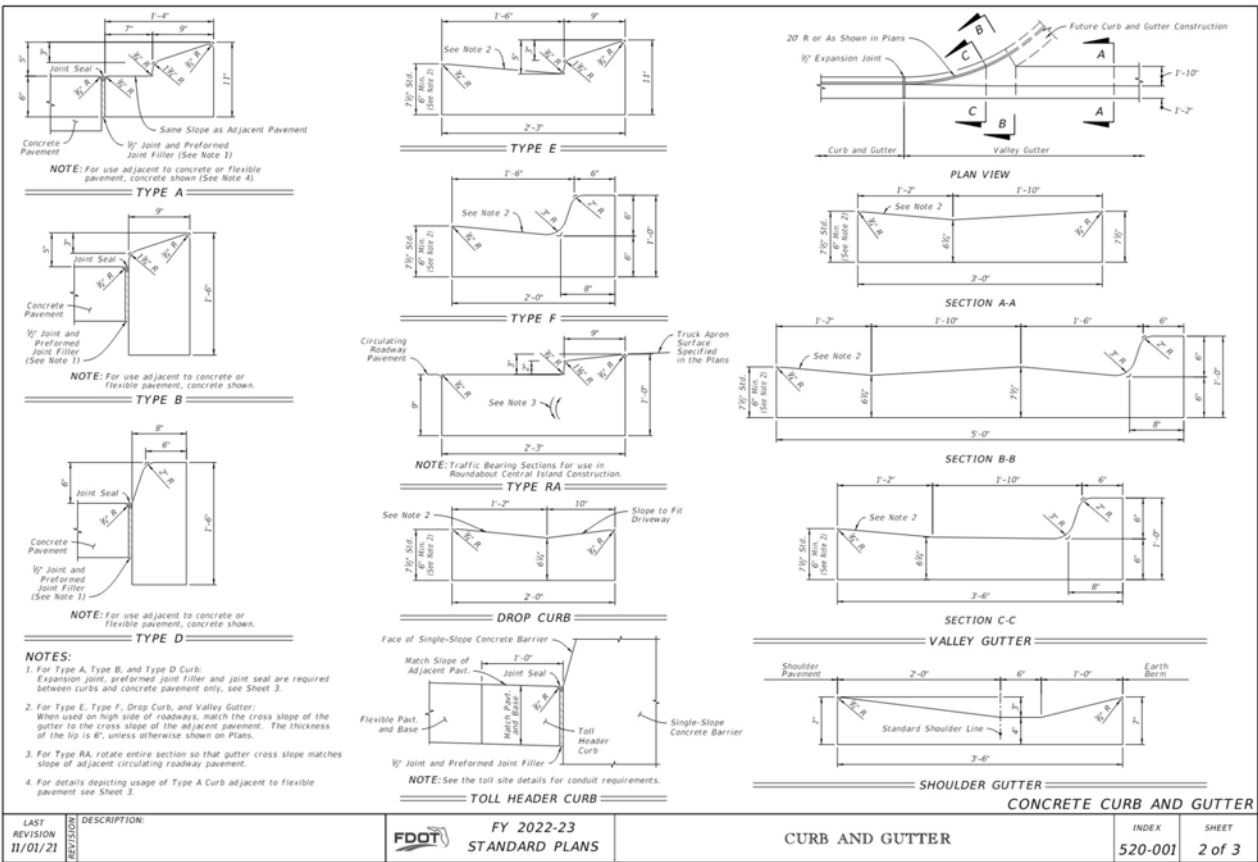
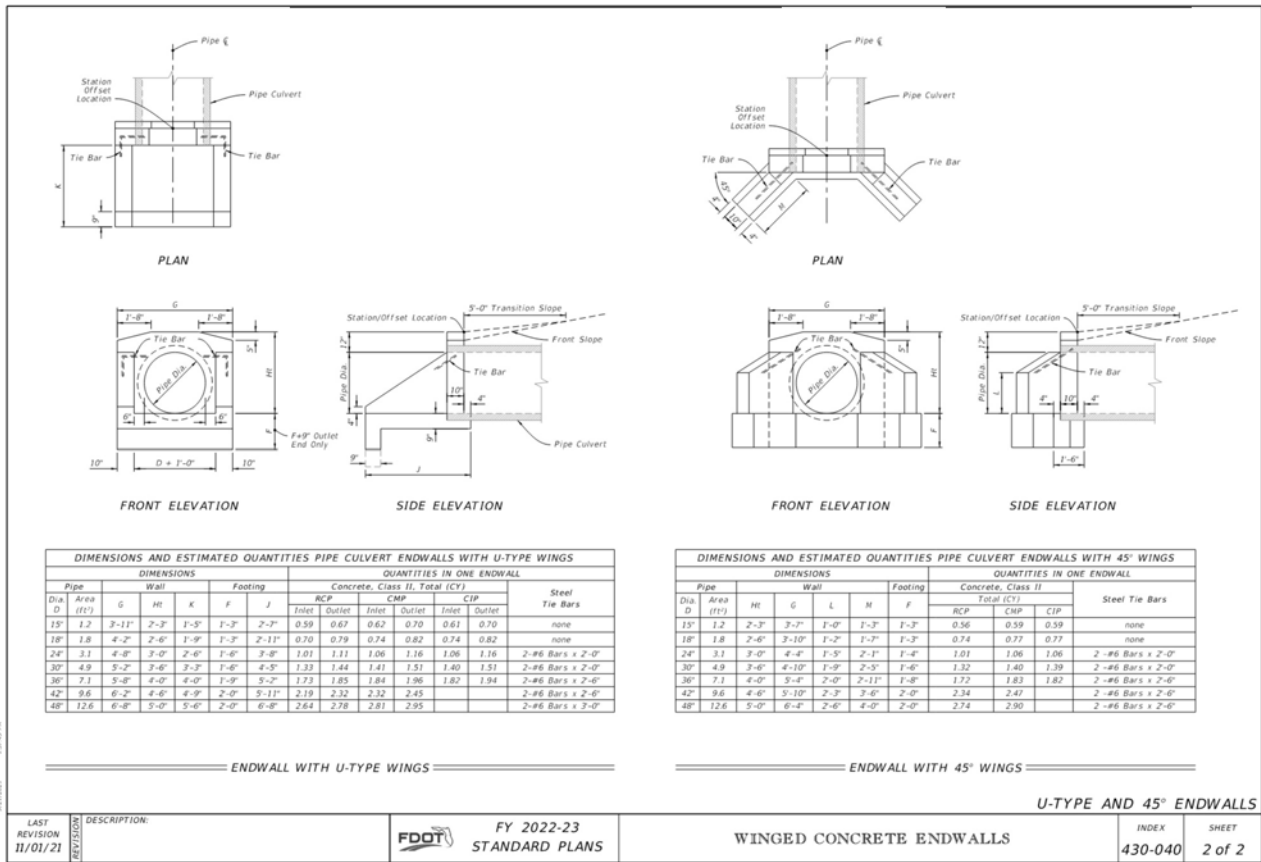
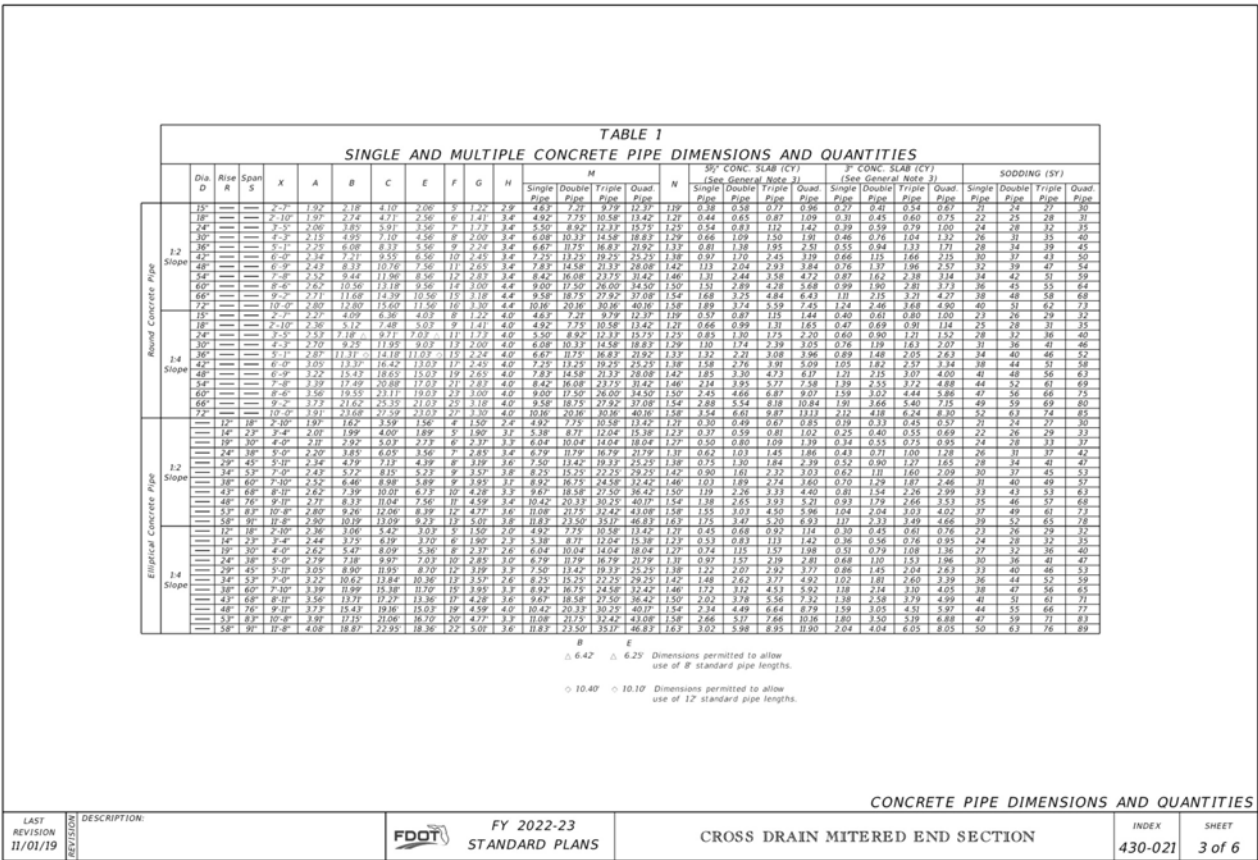
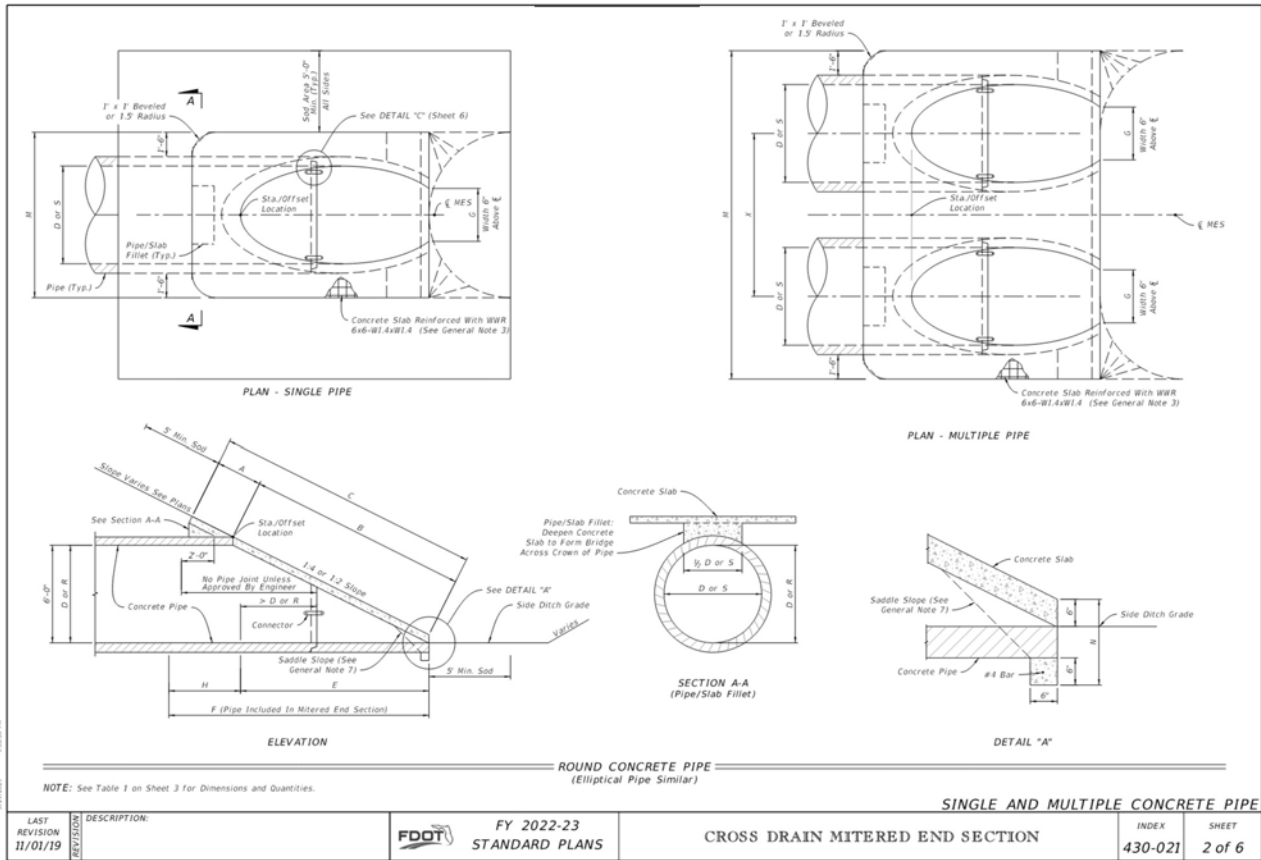
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JOHN J. FRICK, P.E.  
FL Reg. Engineer #56469







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STORM WATER POLLUTION PREVENTION PLAN

1.0 BACKGROUND & REQUIREMENTS:

1.1 INTRODUCTION:

THE REFERENCED SUPPORT DOCUMENTATION FOR THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY’S (EPA) STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES, DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES SUMMARY GUIDANCE (EPA 833–R–92–001) AND STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES, DEVELOPING POLLUTION PREVENTION PLANS AND BEST MANAGEMENT PRACTICES (EPA 832–R–92–005). THIS SWPPP IS DESIGNED TO PROTECT ONSITE AND ADJACENT NATURAL RESOURCES, INCLUDING BUT NOT LIMITED TO, WETLANDS, MARSHES, BAYOUS AND BAYS, WHILE PRESERVING WILDLIFE AND ARCHEOLOGICAL RESOURCES.

1.2 NOTICE OF INTENT (NOI):

RULE 62–621.300(4), FAC REQUIRES THE CONSTRUCTION OPERATOR OF A SITE THAT DISTURBS ONE OR MORE ACRES TO OBTAIN COVERAGE FROM THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS REQUIRED TO SUBMIT A NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES (FDEP FORM 62–621.300) ALONG WITH THE APPROPRIATE APPLICATION FEE TO THE FOLLOWING ADDRESS 48 HOURS PRIOR TO COMMENCING CONSTRUCTION:

NPDES STORMWATER NOTICES CENTER, MS # 2510  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32399–2400

THIS FORM CAN BE OBTAINED FROM FDEP’S WEBSITE (WWW.DEP.STATE.FL.US) OR BY CONTACTING FDEP. PLEASE NOTE THAT THE CURRENT APPLICATION FEE IS \$400(> 5 ACRES) OR \$250 (1–4.99 ACRES); HOWEVER, THIS FEE IS SUBJECT TO CHANGE WITHOUT NOTICE. ALWAYS REFER TO THE MOST CURRENT VERSION OF RULE 62–4.050(4)(D), FAC TO CONFIRM THE AMOUNT BEFORE SUBMITTING PAYMENT. IF CONSTRUCTION ACTIVITY EXCEEDS FIVE YEARS, THE CONTRACTOR MUST RE–APPLY FOR COVERAGE.

1.3 STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

THE CONTRACTOR IS REQUIRED TO CERTIFY THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BELOW PRIOR TO SUBMITTING THE NOI. THIS SWPPP IS NOT REQUIRED TO BE SUBMITTED WITH THE NOI, BUT IS REQUIRED TO BE KEPT ON SITE DURING ALL PHASES OF CONSTRUCTION. BECAUSE EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION METHODS VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR, THE CONTRACTOR CAN PROPOSE ALTERNATIVE METHODS TO THIS SWPPP THAT ARE EQUAL OR BETTER AT CONTROLLING EROSION AND SEDIMENTATION. AT A MINIMUM, THE CONTRACTOR MUST FOLLOW THE EROSION CONTROL PLAN SPECIFIED IN THE CONSTRUCTION PLANS AND DOCUMENTS. ANY MODIFICATIONS TO THIS SWPPP MUST BE DOCUMENTED AND KEPT WITH THE PLAN AS PART OF THE RECORDS KEEPING PROCESS TO BE IN FULL COMPLIANCE WITH THE CGP.

1.4 CONTRACTOR’S CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELJMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

PRINT & SIGN NAME	COMPANY & ADDRESS
_____	_____
NAME & TITLE (PRINT)	_____
_____	_____

SIGNATURE	DATE
_____	_____
RESPONSIBILITIES (GENERAL CONTRACTOR, SITE CONTRACTOR, SUBCONTRACTOR, OTHER):	
_____	

1.5 NOTICE OF TERMINATION (NOT):

THE CONTRACTOR IS REQUIRED TO SUBMIT A NOTICE OF TERMINATION OF GENERIC PERMIT COVERAGE (FDEP FORM 62–621.300(6)) UPON CONSTRUCTION COMPLETION TO DISCONTINUE PERMIT COVERAGE. THE NOT IS TO BE SUBMITTED TO THE FOLLOWING ADDRESS:

NPDES STORMWATER NOTICES CENTER, MS # 2510  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32399–2400

THIS FORM CAN BE OBTAINED FROM FDEP’S WEBSITE (WWW.DEP.STATE.FL.US) OR BY CONTACTING FDEP. THE NOT CAN NOT BE SUBMITTED UNTIL ALL DISTURBED SOILS AT THE CONSTRUCTION SITE HAVE BEEN FINALLY STABILIZED AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAS BEEN ESTABLISHED, OR EQUIVALENT STABILIZATION MEASURES HAVE BEEN EMPLOYED. IF CONSTRUCTION ACTIVITY EXCEEDS FIVE YEARS, THE CONTRACTOR MUST RE–APPLY FOR COVERAGE.

1.6 APPLICATION INFORMATION:

PROJECT ADDRESS: SECTION 30, TOWNSHIP 1N, RANGE 30W, ESCAMBIA COUNTY, FL. LOCATED EAST OF HWY 29 AND NORTH OF HWY 90.

LATITUDE: N 30° 35’ 24”  
LONGITUDE: W 87° 15’ 39”

WATER MANAGEMENT DISTRICT: NORTHWEST FLORIDA (NWFWMD)  
ERP PERMIT NO.:

MS4 OPERATOR NAME: ESCAMBIA COUNTY

RECEIVING WATER NAME: ESCAMBIA RIVER

2.0 SITE DESCRIPTION:

2.1 NATURE OF CONSTRUCTION ACTIVITIES:

THE PROPOSED IMPROVEMENTS CONSIST OF A TRANSPORTATION UPGRADE TO CONSTRUCT AN INDUSTRIAL ROUNDABOUT WITH 6–WAY INTERSECTION WITH ASSOCIATED STORMWATER TREATMENT FACILITIES.

2.2 SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

- EROSION CONTROL MEASURES
- CLEARING AND GRUBBING
- EARTHWORK– BORROW STOCKPILE MATERIAL WILL BE SORTED AND USED AS ON–SITE EARTH FILL
- EARTHWORK– STORMWATER CONVEYANCE CONSTRUCTION
- EARTHWORK– ASSOCIATED WITH STORM DRAINS, CURBING, BASE, AND PAVEMENT CONSTRUCTION

FINAL LANDSCAPING AND STABILIZATION

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL TO OR BETTER AT CONTROLLING EROSION AND SEDIMENTATION. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY CHANGES.

2.3 AREA ESTIMATES:

TOTAL PROJECT AREA: 12.31 ACRES

2.4 RUNOFF COEFFICIENTS:

PRE–CONSTRUCTION– 0.2  
DURING CONSTRUCTION– 0.4 – 0.5  
POST CONSTRUCTION– 0.5

SOILS DATA: SEE SOILS REPORT FOR ADDITIONAL INFORMATION

2.5 SITE MAP:

THE CONSTRUCTION PLANS ARE BEING UTILIZED AS THE SITE MAP. THE EXISTING CONDITIONS SHEET SHOWS PRE–EXISTING DRAINAGE PATTERNS AND SLOPES. THE GRADING AND DRAINAGE PLANS SHOWS THE STORMWATER FACILITIES AND FINAL GRADE SLOPES. TEMPORARY EROSION CONTROL IS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN. LANDSCAPING PLANS DEPICT THE FINAL PERMANENT STABILIZATION.

2.6 RECEIVING WATERS:

ESCAMBIA RIVER IS THE RECEIVING WATERS OF THE STORMWATER RUNOFF FROM THIS PROJECT.

3.0 CONTROLS:

3.1 EROSION AND SEDIMENT CONTROLS:

ALL EROSION AND SEDIMENT CONTROLS SPECIFIED ON THESE PLANS (LIMITS OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES) SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OR DEMOLITION. SILT FENCING AND STAKED HAY BALES SHALL BE INSTALLED ALONG DOWN–GRADIENT LIMITS TO PROTECT EXISTING DRAINAGE STRUCTURES AND/OR DRAINAGE SYSTEMS FROM EROSION AND SEDIMENTATION.

3.2 STORMWATER MANAGEMENT:

STORMWATER MANAGEMENT WILL BE ACHIEVED THROUGH THE USE OF BERMS, SWALES, SEDIMENTATION BASINS, OR ANY OTHER MEANS NECESSARY TO ENSURE SITE COMPLIANCE.

3.3 OTHER CONTROLS:

3.3.1 WASTE DISPOSAL

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIAL, INCLUDING BUILDING MATERIALS, TO WATERS OF THE STATE. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS APPROVED BY THE ENGINEER:

PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA’S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

3.3.2 OFF–SITE VEHICLE TRACKING & DUST CONTROL.

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFF–SITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS APPROVED BY THE ENGINEER.

COVERING LOADED HAUL TRUCKS WITH TARPAULINS.

REMOVING EXCESS DIRT FROM ROADS DAILY.

PROVIDING A STABILIZED CONSTRUCTION ENTRANCE ACCORDING TO THE FLORIDA EROSION AND SEDIMENT CONTROL MANUAL.

USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION.

3.3.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATION FOR WASTE DISPOSAL, AND SANITARY SEWER, OR SEPTIC SYSTEMS.

3.3.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES.

3.3.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

3.3.6 APPROVED STATE AND LOCAL PLANS AND PERMITS. CONTRACTOR SHALL ADHERE TO SANTA ROSA COUNTY AND NWFWD PERMITS ISSUED FOR THIS PROJECT, AS WELL AS ANY ADDITIONAL FEDERAL, STATE, OR LOCAL PERMITS/ORDINANCES THAT ARE APPLICABLE TO THIS PROJECT.

4.0 MAINTENANCE

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM COMPLY WITH THE FOLLOWING:

SILT FENCE: MAINTAIN PER FDOT SECTION 104 OF THE SPECIFICATIONS. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 6 MONTH INTERVALS.

SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER’S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

5.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES PRECIPITATION OR GREATER. TO COMPLY THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

6.0 NON–STORMWATER DISCHARGES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY HAZARDOUS SUBSTANCE SPILLS THAT MAY EQUAL OR EXCEED A REPORTABLE QUANTITY (RQ). REFER TO EPA’S LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (EPA 40 CFR 302.4 & 117). THIS LIST CAN BE OBTAINED FROM EPA’S WEBSITE (WWW.EPA.GOV) OR BY CONTACTING EPA. IF AN RQ RELEASE DOES OCCUR THE CONTRACTOR SHALL PERFORM THE FOLLOWING PROCEDURES:

- NOTIFY THE NATIONAL RESPONSE CENTER IMMEDIATELY AT 800–424–8802.
- PROVIDE WRITTEN DESCRIPTION OF THE RELEASE WITHIN 14 DAYS PROVIDING DATES, CAUSE AND PREVENTION METHODS TO THE REGIONAL EPA OFFICE.
- MODIFY THE SWPPP AS NECESSARY TO ADDRESS ADDED PREVENTION METHODS.

7.0 IMPLEMENTATION CHECKLIST:

7.1 RECORDS:

THE CONTRACTOR SHALL MAINTAIN RECORDS OF CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO:

- DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.
- DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY CEASE ON A PORTION OF THE SITE.
- DATES WHEN CONSTRUCTION ACTIVITIES PERMANENTLY CEASE ON A PORTION OF THE SITE.
- DATES WHEN STABILIZATION MEASURES ARE INITIATED ON THE SITE.

7.2 INSPECTION REPORTS:

THE CONTRACTOR SHALL PREPARE INSPECTION REPORTS SUMMARIZING THE FOLLOWING, BUT NOT LIMITED TO:

- NAME OF INSPECTOR.
- QUALIFICATIONS OF INSPECTOR.
- MEASURES/AREAS INSPECTED.
- OBSERVED CONDITIONS.
- CHANGES NECESSARY TO THE SWPPP.

7.3 RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS:

THE CONTRACTOR SHALL REPORT ANY RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS IF THEY OCCUR AS PER THE MEASURES OUTLINED IN SECTION 6.0 OF THE SWPPP.

7.4 SWPPP MODIFICATION:

THE CONTRACTOR SHALL MODIFY THE SWPPP AS NECESSARY TO:

- COMPLY WITH MINIMUM PERMIT REQUIREMENTS WHEN NOTIFIED BY FDEP THAT THE PLAN DOES NOT COMPLY.
- ADDRESS ANY CHANGES IN DESIGN, CONSTRUCTION OPERATIONS OR MAINTENANCE, WHICH HAS AN EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS.
- PREVENT REOCCURRENCE OF REPORTABLE QUANTITY RELEASES OF HAZARDOUS MATERIAL OR OIL.

8.0 TERMINATION CHECKLIST:

THE FOLLOWING ITEMS SHALL BE COMPLETE BEFORE SUBMITTING THE NOT:

- ALL SOIL DISTURBING ACTIVITIES ARE COMPLETE.
- TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME.
- ALL AREAS OF THE CONSTRUCTION SITE NOT OTHERWISE COVERED BY PERMANENT PAVEMENT OR STRUCTURE HAVE BEEN STABILIZED WITH UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OR EQUIVALENT MEASURES HAVE BEEN EMPLOYED.

 <b>BASKERVILLE-DONOVAN, INC.</b> <b>ENGINEERING THE SOUTH SINCE 1927</b> 449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9861 ENGINEERING BUSINESS: EB-00000340 Pensacola • Panama City Beach • Tallahassee • Mobile <small>This drawing is the property of Baskerville-Donovan, Inc. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.</small>		<b>THE BLUFFS ENTRANCE/ TRANSPORTATION UPGRADES</b>		PROJECT NO: <b>114507.01</b>	DESIGNED BY:	DRAWN BY:	CHK'D BY:	PROJ. MGR.: MCL	DATE: OCT 2023	NO.	DATE	APPR.	REVISION / ACTION	TAKEN
<b>SWPPP PLAN</b>				NOT RELEASED FOR CONSTRUCTION BY ___ DATE ___/___/___										
<b>C-906</b>														

## **STORMWATER OPERATION AND MAINTENANCE PLAN (Wet Detention)**

### **AFTER EACH RAINFALL EVENT**

1. **Pavement Areas** – Clean/sweep debris and dirt from pavement areas.
2. **Sediments in retention/detention areas** – Removed immediately
3. **Debris in retention/detention areas** – All debris and foreign material shall be removed immediately
4. **Yard Inlets, Catch Basins, etc.** – All debris and foreign materials shall be removed immediately

### **PERIODIC POND/SYSTEM MAINTENANCE**

1. Cleaning/sweeping of pavement areas shall be accomplished monthly or as required.
2. Inspect pond periodically for accumulation of trash and debris and remove it upon discovery.
3. Mowing and landscaping maintenance should be done on a monthly basis during the active growing season for this area. Inspect and maintain as required during the growing season.
4. Weeds or undesirable growth shall be removed upon discovery.
5. Catch basins shall be flushed as necessary (if any).
6. The Owner shall re-grade and re-stabilize swale/retention/detention areas as required to maintain the approved design, cross-section, line, and grade.
7. Remove sediment from pond when accumulation reaches four (4) inches. Measure accumulation once a year.

### **INSPECTIONS**

1. A maintenance inspection must be performed every year by a registered professional.
2. The maintenance inspection must be documented on the FDEP and/or NFWFMD standard inspection form 62-346.900(8).
3. The inspection must be signed, sealed and dated by the registered professional and submitted to either the FDEP or NFWFMD within 30 days of the inspection.
4. The inspection must be conducted using the plans, calculations and specifications approved by the FDEP and/or NFWFMD.
5. Inspections of outfall structures should be included in routine inspections and signs of damage, debris or excessive wear shall be corrected.