



# 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

April 19, 2023

Blueprint Intergovernmental Agency  
c/o Daniel Scheer  
315 S. Calhoun Street, Suite 450  
Tallahassee, Florida 32301  
[daniel.scheer@blueprintia.org](mailto:daniel.scheer@blueprintia.org)

City of Tallahassee  
c/o Marc Phelps  
300 S. Adams Street, Suite B-35  
Tallahassee, Florida 32301  
[Marc.Phelps@talgov.com](mailto:Marc.Phelps@talgov.com)

File No.: 0296409-020-EG/37

Dear Mr. Scheer and Mr. Phelps:

On March 23, 2023, we received your notice of intent to use a General Permit (GP) pursuant to Rule 62-330.451, Florida Administrative Code (F.A.C.) to perform retrofitting activities to two (2) weirs within the Cascades Park Stormwater Management Systems, Smokey Hollow Pond (Upper Pond) and Boca Chuba Pond (Lower Pond). The goal of these retrofitting activities is to direct more flow to these ponds to achieve the level of treatment that was originally intended and authorized by Permit No. 37-0296409-001-SI. In Smokey Hollow Pond, the proposed works include raising the weir within the box culvert from 6 inches to 18 inches and realignment through curving the weir to allow diversion into the 30-inch downstream pipe that discharges to the pond. In Boca Chuba Pond, the proposed works include adding a 4.7x2 foot orifice to the existing weir in the box culvert upstream of the pond to allow discharge directly into the pond, installation of a low weir wall that will extend longitudinally up the box culvert to help control backflow and direct flow into the orifice, and adding a 4-foot channel to allow flow into the pond to be metered. In addition to these proposed improvements, the alum injection system in Boca Chuba Pond will be relocated to allow for greater alum treatment opportunity. The existing alum injection system near the Gadsden Street Bridge will be decommissioned as to not increase chemical treatment. The project is located along Suwannee Street in Tallahassee, Florida 32301, Parcel No. 1131250000010 and 4101208070000, in Section 31, Township 1 North, Range 1 East, and Section 1, Township 1 South, Range 1 West of Leon County; at approximately 30° 26' 11.40" North Latitude, 84° 16' 34.56" West Longitude (Smokey Hollow Pond) and 30° 26' 1.25" North Latitude, 84° 16' 45.06" West Longitude (Boca Chuba Pond).

Your intent to use a general permit has been reviewed by Department staff for three types of authorization: (1) regulatory authorization, (2) proprietary authorization (related to state-owned submerged lands), and (3) federal authorization. The authority for review and the outcomes of the reviews are listed below. Please read each section carefully.

**Your project did not qualify for the proprietary and federal authorizations, therefore additional authorization must be obtained prior to commencement of the proposed activity.**

This letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity. Please refer to the specific section(s) dealing with that portion of the review below for advice on how to proceed.

If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

**1. Regulatory Review – Approved**

Based on the forms, drawings, and documents revised with your notice, it appears that the project meets the requirements for the General Permit under Rule 62-330.451, F.A.C. Any activities performed under a general permit are subject to general conditions required in Rule 62-330.405, F.A.C. (attached) and the specific conditions of Rule 62-330.451, F.A.C. (attached). Any deviations from these conditions may subject the permittee to enforcement action and possible penalties.

Please be advised that the construction phase of the GP must be completed within five years from the date the notice to use the GP was received by the Department. If you wish to continue this GP beyond the expiration date, you must notify the Department at least 30 days before its expiration.

Authority for review – Part IV of Chapter 373, Florida Statutes (F.S.), Title 62, F.A.C., and in accordance with the operating agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C.

**2. Proprietary Review –Not Required**

The activity does not appear to be located on sovereign submerged lands and does not require further authorization under Chapters 253 or 258, F.S. or Chapters 18-20 or 18-21, F.A.C.

**3. Federal Review – SPGP Not Included**

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.

**Additional Information**

Please retain this general permit. The activities may be inspected by authorized state personnel in the future to ensure compliance with appropriate statutes and administrative codes. If the activities are not in compliance, you may be subject to penalties under Chapter 373, F.S. and Chapter 18-14, F.A.C.

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## **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 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 may not apply to persons who have not received a clear point of entry.

#### 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, 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.

If you have any questions regarding this matter, please contact Savannah Cowen at the letterhead address, at (850)595-0640, or at [Savannah.Cowen@FloridaDEP.gov](mailto:Savannah.Cowen@FloridaDEP.gov)

## EXECUTION AND CLERKING

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Kimberly R. Allen  
Permitting Program Administrator

KRA:sc

### Attachments:

1. Rule 62-330.451, F.A.C., 2 pages
2. General Conditions for All General Permits, Rule 62-330.405, F.A.C., 3 pages
3. Project Drawings, 7 pages

## 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, DEP, [Kim.Allen@FloridaDEP.gov](mailto:Kim.Allen@FloridaDEP.gov)  
Blake Chapman, DEP, [Blake.A.Chapman@FloridaDEP.gov](mailto:Blake.A.Chapman@FloridaDEP.gov)  
Russell Sullivan, DEP, [Russell.Sullivan@FloridaDEP.gov](mailto:Russell.Sullivan@FloridaDEP.gov)  
Savannah Cowen, DEP, [Savannah.Cowen@FloridaDEP.gov](mailto:Savannah.Cowen@FloridaDEP.gov)  
Daniel Scheer, Blueprint Intergovernmental Agency, [daniel.scheer@blueprintia.org](mailto:daniel.scheer@blueprintia.org)  
Marc Phelps, City of Tallahassee, [Marc.Phelps@talgov.com](mailto:Marc.Phelps@talgov.com)  
Echo Gates, Halff Associates, [egates@halff.com](mailto:egates@halff.com)  
Mark Llewellyn, Halff Associates, [mark@halff.com](mailto:mark@halff.com)  
City of Tallahassee, [craig.barkve@talgov.com](mailto:craig.barkve@talgov.com)  
Leon County, [HoganM@leoncountyfl.gov](mailto:HoganM@leoncountyfl.gov)

## 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

April 19, 2023  
Date

## **62-330.451 General Permit to Counties, Municipalities, and other Agencies to Conduct Stormwater Retrofit Activities.**

- (1) A general permit is granted to counties, municipalities, state agencies and water management districts to construct, operate, and maintain stormwater retrofit activities as authorized below for improving existing surface water and stormwater systems. This general permit may be used in conjunction with exempt activities.
- (2) Types of stormwater retrofit activities authorized under this general permit are:
  - (a) Construction or alteration that will add additional treatment or attenuation capacity and capability to an existing stormwater management system;
  - (b) The modification, reconstruction, or relocation of an existing stormwater management system or stormwater discharge facility;
  - (c) Stabilization of eroding banks, and installation of structures such as gabions to limit bank erosion; or
  - (d) Excavation or dredging to remove sediments or other pollutants that have accumulated in existing surface waters as a result of stormwater runoff and stormwater discharges, provided the material removed is not deposited in existing wetlands or other surface waters.
- (3) Stormwater retrofit activities shall not:
  - (a) Be proposed or implemented for the purpose of providing the water quality treatment or flood control needed to serve new development or redevelopment; or
  - (b) Include a dam that has more than 50 acre-feet of storage capacity if the dam is more than five feet high, nor a dam having a height of ten or more feet, regardless of storage capacity. Height is measured from the top of the dam to the natural bed of the stream or watercourse at the downward toe of the dam, or from the lowest elevation of the outside limit of the dam to the maximum elevation of the dam.
- (4) There is no limit to the acreage of stormwater retrofit activities in artificial waters. Work in wetlands and non-artificial surface waters shall be limited to no more than 0.5 acre.
- (5) A stormwater quality retrofit activity must result in at least one of the following:
  - (a) Addition of treatment capacity to an existing stormwater management system such that it reduces stormwater pollutant loadings to receiving waters;
  - (b) Addition of treatment or attenuation capability to an existing developed area when either the existing stormwater management system or the developed area has substandard stormwater treatment or attenuation capabilities, compared to what would be required for a new system requiring a permit under part IV of chapter 373, F.S.; or
  - (c) Removal of pollutants generated by, or resulting from, previous stormwater discharges.
- (6) A water quantity retrofit project proposed to reduce existing flooding problems must be designed in such a way that the project does not:
  - (a) Result in a net reduction in water quality treatment provided by the existing stormwater management system; nor
  - (b) Increase discharges of untreated stormwater entering receiving waters.
- (7) The project must be designed, constructed, and implemented as a complete, stand-alone project within the construction phase duration of a general permit, and such that it will not at any time during its construction or operation:
  - (a) Cause or contribute to any water quality violations;
  - (b) Contribute to any existing violation if it discharges pollutants into waters where existing ambient water quality does not meet water quality standards for those pollutants. In such a

case, the project must include measures that will cause a net improvement in the receiving waters for those pollutants in accordance with section 373.414(1)(b)3., F.S.;

(c) Adversely affect the value of functions provided to fish and wildlife by wetlands or other surface waters;

(d) Adversely affect the hydroperiod of wetlands on adjacent lands or the hydroperiod of other wetlands upstream, downstream, or adjoining to the work area under subsection (4), above;

(e) Cause or contribute to increased flooding of adjacent lands or cause new adverse water quantity impacts to receiving waters;

(f) Add or increase any chemical treatment;

(g) Be operated by pumps or other mechanical or adjustable features; nor

(h) Adversely impact the maintenance of surface or ground water levels or surface water flows established pursuant to section 373.042, F.S.

(8) The entity conducting this general permit must conduct at least one pre-notice meeting with Agency staff having responsibility for the review of the proposed activities. The notice required in rule 62-330.402, F.A.C., shall include materials reflecting the recommendations of the Agency discussed during that meeting, and demonstrating compliance with the above, including a certification by a registered professional that the proposed activity will meet the criteria specified above. Such certification shall include appropriate design analyses, pollutant loading analyses, modeling and other engineering calculations, drawings, specifications and other information to support, describe, verify, and document the registered professional's certification.

(9) Nothing in this general permit will preclude a county or municipality from obtaining and implementing a Basin Management Action Plan with water quality credits for activities performed under this authorization.

(10) Within 30 days after completion of construction, a registered professional shall submit certification that construction was completed in substantial conformance with the plans and calculations that were submitted in the notice to use this general permit.

*Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.118(6), 373.406(5), 373.4131, 373.414(9), 373.418, 403.805(1) FS. Law Implemented 373.118(1), (6), 373.406(5), 373.413, 373.4131, 373.414(9), 373.416, 373.418 FS. History—New 10-1-13, Amended 6-1-18.*

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## **62-330.405 General Conditions for All General Permits.**

The following general permit conditions are binding upon the permittee and are enforceable under chapter 373, F.S. These conditions do not apply to the general permit for stormwater management systems under section 403.814(12), F.S.

- (1) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit and may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S.
- (2) The general permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit; and it does not authorize any violation of any other applicable federal, state, local, or special district laws (including, but not limited to, those governing the “take” of listed species).
- (3) The general permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the general permit.
- (4) The general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to: human health or welfare; animal, plant or aquatic life; or property. It does not allow the permittee to cause pollution that violates state water quality standards.
- (5) Section 253.77, F.S., provides that a person may not commence any excavation, construction, or other activity involving the use of state-owned or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required consent, lease, easement, or other form of authorization authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on state-owned lands.
- (6) The authorization to conduct activities under a general permit may be modified, suspended or revoked in accordance with chapter 120, F.S., and section 373.429, F.S.
- (7) The general permit is not transferable to a new third party. To be used by a different permittee, a new notice to use a general permit must be submitted in accordance with rule 62-330.402, F.A.C. Activities constructed in accordance with the terms and conditions of a general permit are automatically authorized to be operated and maintained by the permittee and subsequent owners in accordance with subsection 62-330.340(1), F.A.C. Any person holding the general permit, persons working under the general permit, and owners of land while work is conducted under the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted project, activity, or the real property at which the permitted project or activity is located.
- (8) Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to ensure conformity with the plans and specifications approved by the general permit.
- (9) The permittee shall maintain any permitted project or activity in accordance with the plans submitted to the Agency and authorized in the general permit.
- (10) A permittee’s right to conduct a specific activity under the general permit is authorized for a

duration of five years.

(11) 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 implemented and maintained immediately prior to, during, and after construction as needed to stabilize all disturbed areas, including other measures specified in the permit to prevent adverse impacts to the water resources and adjacent lands. Erosion and sediment control measures shall be installed and maintained 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)*, available at <https://www.flrules.org/Gateway/reference.asp?No=Ref-04227>, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, available at [http://publicfiles.dep.state.fl.us/DEAR/Stormwater\\_Training\\_Docs/erosion-inspectors-manual.pdf](http://publicfiles.dep.state.fl.us/DEAR/Stormwater_Training_Docs/erosion-inspectors-manual.pdf).

(12) Unless otherwise specified in the general permit, temporary vehicular access within wetlands during construction shall be performed using vehicles generating minimum ground pressure to minimize rutting and other environmental impacts. Within forested wetlands, the permittee shall choose alignments that minimize the destruction of mature wetland trees to the greatest extent practicable. When needed to prevent rutting or soil compaction, access vehicles shall be operated on wooden, composite, metal, or other non-earthen construction mats. In all cases, access in wetlands shall comply with the following:

- (a) Access within forested wetlands shall not include the cutting or clearing of any native wetland tree having a diameter four inches or greater at breast height;
- (b) The maximum width of the construction access area shall be limited to 15 feet;
- (c) All mats shall be removed as soon as practicable after equipment has completed passage through, or work has been completed, at any location along the alignment of the project, but in no case longer than seven days after equipment has completed work or passage through that location; and
- (d) Areas disturbed for access shall be restored to natural grades immediately after the maintenance or repair is completed.

(13) Barges or other work vessels used to conduct in-water activities shall be operated in a manner that prevents unauthorized dredging, water quality violations, and damage to submerged aquatic communities.

(14) The construction, alteration, or use of the authorized project shall not adversely impede navigation or create a navigational hazard in the water body.

(15) Except where specifically authorized in the general permit, activities must not:

- (a) Impound or obstruct existing water flow, cause adverse impacts to existing surface water storage and conveyance capabilities, or otherwise cause adverse water quantity or flooding impacts to receiving water and adjacent lands; or
- (b) Cause an adverse impact to the maintenance of surface or ground water levels or surface water flows established pursuant to section 373.042, F.S., or a Works of the District established pursuant to section 373.086, F.S.

(16) If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities

involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities 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 the proper authorities notified in accordance with section 872.05, F.S.

(17) The activity must be capable, based on generally accepted engineering and scientific principles, of being performed and of functioning as proposed, and must comply with any applicable District special basin and geographic area criteria.

(18) The permittee shall comply with the following when performing work within waters accessible to federally- or state-listed aquatic species, such as manatees, marine turtles, smalltooth sawfish, and Gulf sturgeon:

(a) All vessels associated with the project shall operate at “Idle Speed/No Wake” at all times while in the work area and where the draft of the vessels provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

(b) All deployed siltation or turbidity barriers shall be properly secured, monitored, and maintained to prevent entanglement or entrapment of listed species.

(c) All in-water activities, including vessel operation, must be shut down if a listed species comes within 50 feet of the work area. Activities shall not resume until the animal(s) has moved beyond a 50-foot radius of the in-water work, or until 30 minutes elapses since the last sighting within 50 feet. Animals must not be herded away or harassed into leaving. All onsite project personnel are responsible for observing water-related activities for the presence of listed species.

(d) Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1(888)404-3922 and [ImperiledSpecies@myFWC.com](mailto:ImperiledSpecies@myFWC.com).

(e) Whenever there is a spill or frac-out of drilling fluid into waters accessible to the above species during a directional drilling operation, the FWC shall be notified at [ImperiledSpecies@myfwc.com](mailto:ImperiledSpecies@myfwc.com) with details of the event within 24 hours following detection of the spill or frac-out.

(19) The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any activity authorized by the general permit.

(20) The permittee shall immediately notify the Agency in writing of any submitted information that is discovered to be inaccurate.

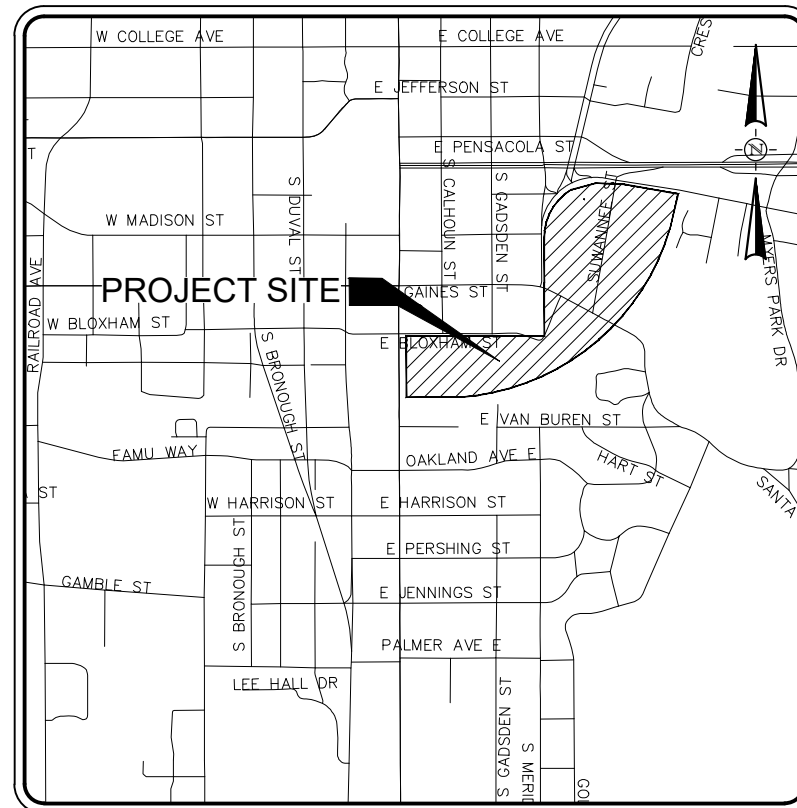
*Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.406(5), 373.4131, 373.414(9), 373.4145, 373.418, 403.805(1) FS. Law Implemented 373.044, 373.118(1), 373.129, 373.136, 373.406(5), 373.413, 373.4131, 373.414(9), 373.4145, 373.416, 373.422, 373.423, 373.429, 403.814(1) FS. History—New 10-3-95, Amended 10-1-07, Formerly 62-341.215, Amended 10-1-13, 6-1-18.*

CONSTRUCTION PLANS  
FOR  
**CASCADES PARK**  
ALUM SYSTEM REMEDIATION

1001 S. GADSDEN STREET  
TALLAHASSEE, FLORIDA  
JANUARY 2023

**ENGINEER**

HALFF ASSOCIATES, INC.  
2255 KILLEARN CENTER BLVD., SUITE 200  
TALLAHASSEE, FLORIDA 32309  
CONTACT: ECHO KIDD GATES, P.E.  
EMAIL: EGATES@HALFF.COM  
TEL: (850) 848-9418  
FL CA 33380 FL LC 26000645 FL LB 8348



LOCATION MAP

NOT TO SCALE

OWNER/CLIENT:



PREPARED BY:



PRIME-CIVIL  
HALFF ASSOCIATES, INC.  
2255 KILLEARN CENTER BLVD., SUITE 200  
TALLAHASSEE, FLORIDA 32309  
TEL. (850) 224-4400 www.halff.com  
FL CA 33380 FL LC 26000645 FL LB 8348

CONTACT:  
ECHO KIDD GATES, P.E.  
(850) 848-9418  
EGATES@HALFF.COM

**INDEX OF SHEETS**

SHEET No.	SHEET DESCRIPTION
C1	COVER SHEET
C2	SIGNATURE PAGE
C3	AERIAL OVERLAY
S001	STRUCTURAL NOTES AND DETAILS
AS1	LOWER POND WEIR PLAN
AS2	LOWER POND WEIR PROFILE
AS3	LOWER POND WEIR DETAILS

FLORIDA DEPARTMENT OF TRANSPORTATION FY 2021-22 STANDARD PLANS AND APPLICABLE DESIGN STANDARDS REVISIONS (DSRs) AT THE FOLLOWING WEBSITE:

<https://www.fdot.gov/design/standardplans/current/default.shtm>

FLORIDA DEPARTMENT OF TRANSPORTATION JANUARY 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:

<https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm>

CURRENT EDITION CITY OF TALLAHASSEE TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, CURRENT EDITION

[https://talgov.com/Uploads/Public/Documents/you/water\\_sewer\\_specifications\\_2019.pdf](https://talgov.com/Uploads/Public/Documents/you/water_sewer_specifications_2019.pdf)

STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, LATEST EDITION: JULY 2013

<https://www.flrules.org/Gateway/reference.asp?No=Ref-04227>



Know what's below.  
Call before you dig.

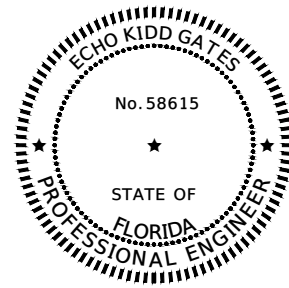
THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE GEORGETOWN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 (DIG TESS) 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR- DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

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C1

SHEET NUMBER

FILE NAME: I:\43000s\43269\001\CADD\Sheets\TLH43269.001\_Layout.dwg DATE: March 13, 2023, TIME: 10:54 AM, USER: ah5014, AVO: 43269.001



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ON THE DATE ADJACENT TO THE SEAL

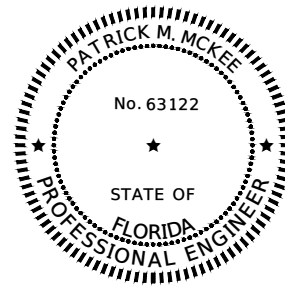
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HALFF ASSOCIATES, INC.  
2255 KILLEARN CENTER BLVD, SUITE 200  
TALLAHASSEE, FL 32309  
CERTIFICATE OF AUTHORIZATION 33380  
ECHO KIDD GATES P.E. NO. 58615

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

PLAN INDEX

- 1 COVER
- 2 SIGNATURE PAGE
- 3 AERIAL OVERLAY



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HALFF ASSOCIATES, INC.  
1624 METROPOLITAN BLVD, SUITE A  
TALLAHASSEE, FL 32308  
CERTIFICATE OF AUTHORIZATION 31293  
PATRICK M. MCKEE P.E. NO. 63122

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

PLAN INDEX

**CASCADES**  
ALUM SYSTEM REMEDIATION  
TALLAHASSEE, FLORIDA

**BLUEPRINT**  
INTERGOVERNMENTAL AGENCY

**HALFF**  
FL CA 33380 FL LC 26000645 FL LB 8348  
HALFF ASSOCIATES, INC.  
2255 KILLEARN CENTER BLVD, SUITE 200  
TALLAHASSEE, FL 32309  
TEL: (850) 224-4400 WWW.HALFF.COM

REVISION NO.	DATE	DESCRIPTION



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ECHO KIDD GATES, P.E. 51994  
NAME P.E. NO.  
DATE 03/13/2023  
FL CA 33380 FL LC 26000645 FL LB 8348

PROJECT NO.: 43269.001  
ISSUED: 03/13/2023  
DRAWN BY: SRW  
CHECKED BY: EKG  
SCALE: 1" = 10'

SHEET TITLE  
**SIGNATURE PAGE**

**C2**  
SHEET NUMBER

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



1. GENERAL NOTES

- 1.1. THE GOVERNING CODE FOR THIS PROJECT IS THE FLORIDA BUILDING CODE 7th EDITION (2020). THIS CODE PRESCRIBES WHICH EDITION OF EACH REFERENCE STANDARD APPLIES TO THIS PROJECT. UNLESS OTHERWISE NOTED, ALL WORK AND MATERIALS SHALL CONFORM WITH THE GOVERNING BUILDING CODE AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.
- 1.2. THE CONTRACTOR SHALL COORDINATE ALL CONTRACT DOCUMENTS WITH FIELD CONDITIONS, DIMENSIONS, AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. USE ONLY PRINTED DIMENSIONS. REPORT ANY DISCREPANCIES OR FIELD CONDITIONS ENCOUNTERED IN CONFLICT WITH THE DRAWINGS IN WRITING TO THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH WORK. DO NOT CHANGE SIZE OR LOCATION OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE ARCHITECT OR ENGINEER OF RECORD.
- 1.3. DETAILS LABELED AS "TYPICAL" APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED, WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION.
- 1.4. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY, HIS OWN WORK, AND THE GENERAL PUBLIC FROM HARM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND JOBSITE SAFETY INCLUDING ALL OSHA REQUIREMENTS. THE STRUCTURAL ENGINEER OF RECORD HAS NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION PERSONNEL RELATED TO THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS.

2. REINFORCEMENT

- 2.1. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60, WITH THE FOLLOWING MINIMUM SPLICE LENGTH.
  - 2.1.1. CONCRETE REINFORCEMENT = 36 BAR DIAMETERS
- 2.2. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60, SEE PROVIDED LAP SCHEDULE FOR MINIMUM SPLICE LENGTH.
- 2.3. PROVIDE ADDITIONAL HORIZONTAL CORNER BARS TO MATCH MAIN HORIZONTAL REINFORCING STEEL AT ALL BEAMS, OR WALL INTERSECTIONS, CORNERS AND OTHER CONCRETE DIRECTIONAL CHANGES, INCLUDING FOOTINGS.
- 2.4. ALL BENDS, AND 90° AND 180° HOOKED BARS SHALL BE FABRICATED IN ACCORDANCE WITH ACI AND AS INDICATED IN THE STANDARD DETAILS.
- 2.5. REINFORCING SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE, WITH APPROPRIATE BAR SUPPORTS AND SPACERS.

3. CONCRETE

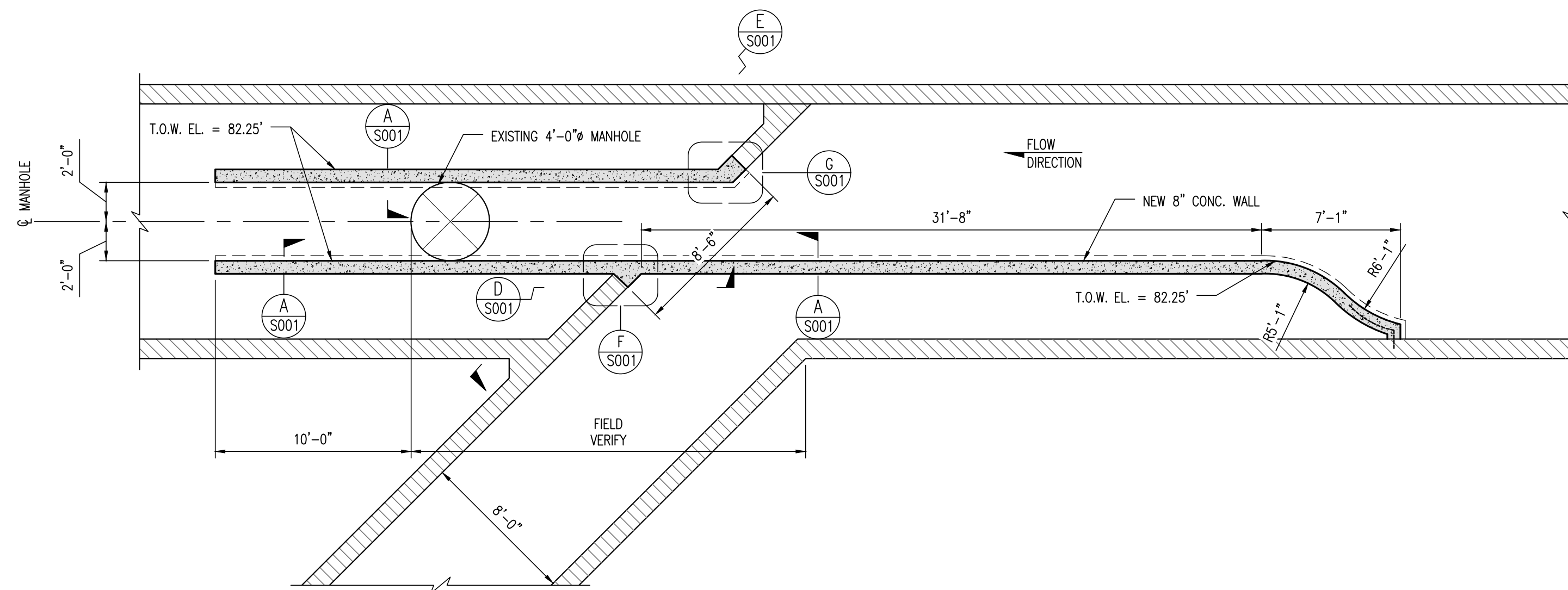
- 3.1. ALL CONCRETE CONSTRUCTION SHALL COMPLY WITH ACI 301 AND 318 AND CRSI STANDARDS.
- 3.2. STRUCTURAL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE DESIGN STRENGTH (FC') IN 28 DAYS OF 4000 PSI.
- 3.3. CONTRACTOR SHALL MAKE SETS OF FOUR ACCEPTANCE CYLINDERS FOR STRENGTH TESTING FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED. CYLINDERS SHALL BE MADE IN ACCORDANCE WITH ASTM C31 AND C172. TESTING SHALL BE PERFORMED BY AN ACI CERTIFIED TESTING LABORATORY AND SHALL BE PAID FOR BY THE CONTRACTOR. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF ANY TEST NOT MEETING THE REQUIREMENTS OF THE SPECIFIED TESTS. COPIES OF REPORTS DOCUMENTING THE TEST RESULTS SHALL BE MAINTAINED BY THE CONTRACTOR AND MADE AVAILABLE UPON REQUEST.
- 3.4. PROVIDE COVER OVER REINFORCING STEEL AS FOLLOWS:
 

CAST AGAINST & EXPOSED TO EARTH/WEATHER	3"
EXPOSED TO EARTH/WEATHER	
#6 THROUGH #18 REBAR	2"
#5 REBAR, W31/D31 WIRE OR SMALLER	1-1/2"
NOT EXPOSED TO EARTH/WEATHER	
SLABS, WALLS, JOISTS	
#14 AND #18 REBAR	1-1/2"
#11 REBAR AND SMALLER	3/4"
BEAMS AND COLUMNS	
REIN. TIES, STIRRUPS, SPIRALS	1-1/2"

4. POST-INSTALLED ANCHORS

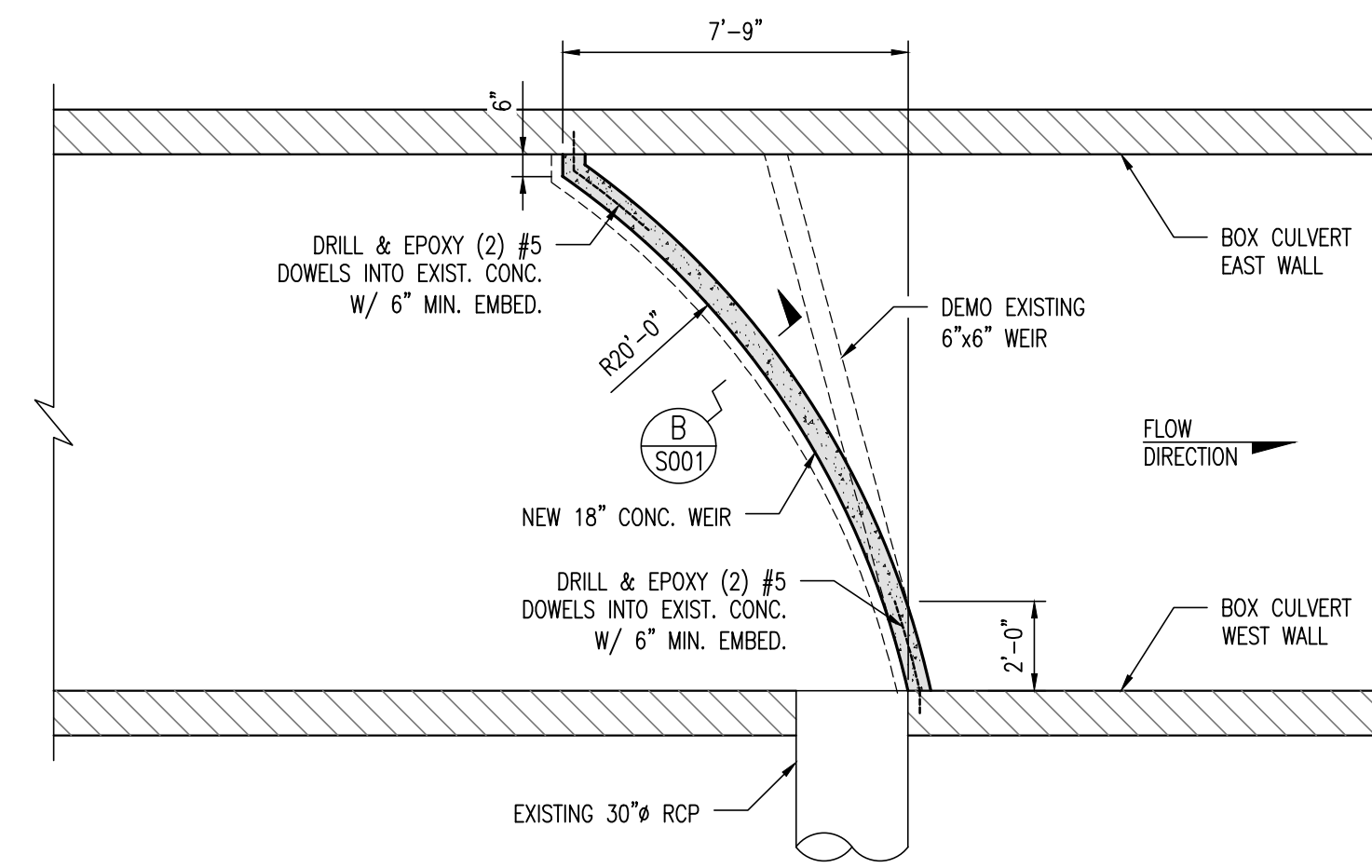
- 4.1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM EOR PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED ANCHORS.
- 4.2. ALL NECESSARY CARE SHALL BE USED TO AVOID CONFLICTS WITH EXISTING REINFORCEMENT WHEN DRILLING HOLES. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NO LESS THAN THE MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE.
- 4.3. SPECIAL INSPECTION SHALL BE PROVIDED FOR ALL ADHESIVE AND MECHANICAL ANCHOR INSTALLATIONS AS REQUIRED BY THE EOR.
- 4.4. CONFIRM THE ABSENCE OF REINFORCING STEEL BY DRILLING A 1/4" PILOT HOLE FOR EACH ANCHOR. DO NOT CUT REINFORCING STEEL WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
- 4.5. UNLESS NOTED OTHERWISE IN THE PLANS, ACCEPTABLE PRODUCTS FOR MECHANICAL AND ADHESIVE ANCHORS ARE AS LISTED BELOW:

- ADHESIVE ANCHORS INTO CONCRETE
- HILTI HIT-RE 500-SD ADHESIVE
  - REDHEAD EPCON G5 ADHESIVE
  - SIMPSON STRONG TIE SET-XP EPOXY TIE ADHESIVE



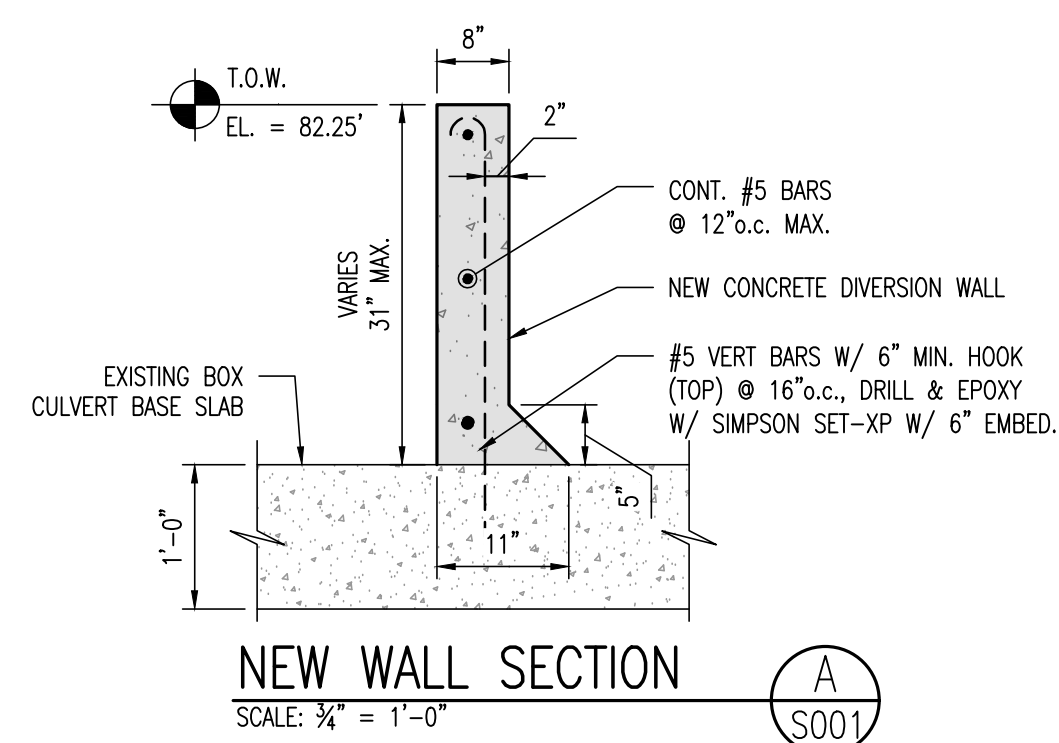
'BOCA CHUBA' CULVERT INTERFACE PLAN

SCALE: 3/8" = 1'-0"



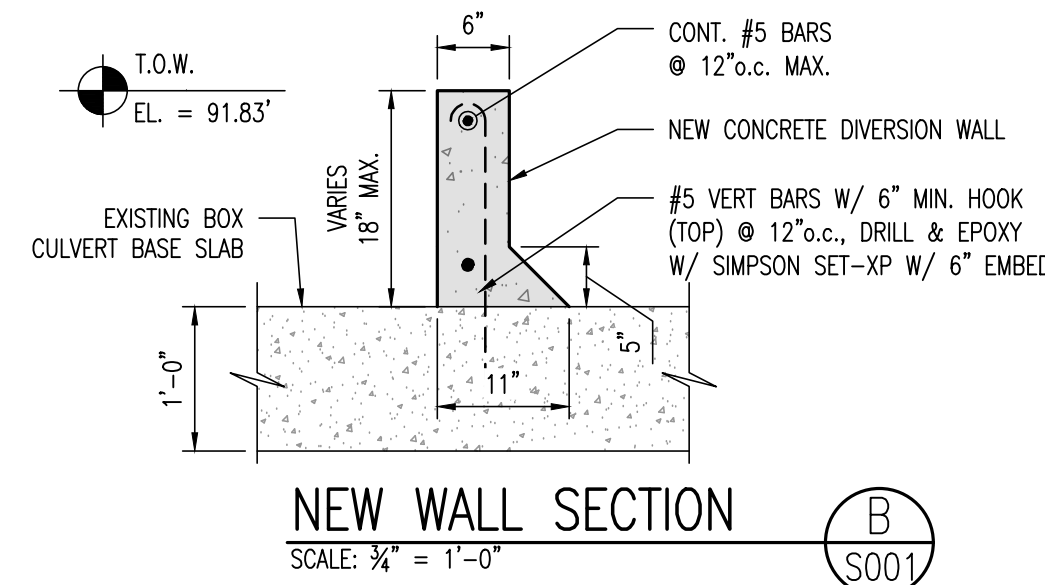
'SMOKEY HOLLOW' DIVERSION WEIR PLAN

SCALE: 3/4" = 1'-0"



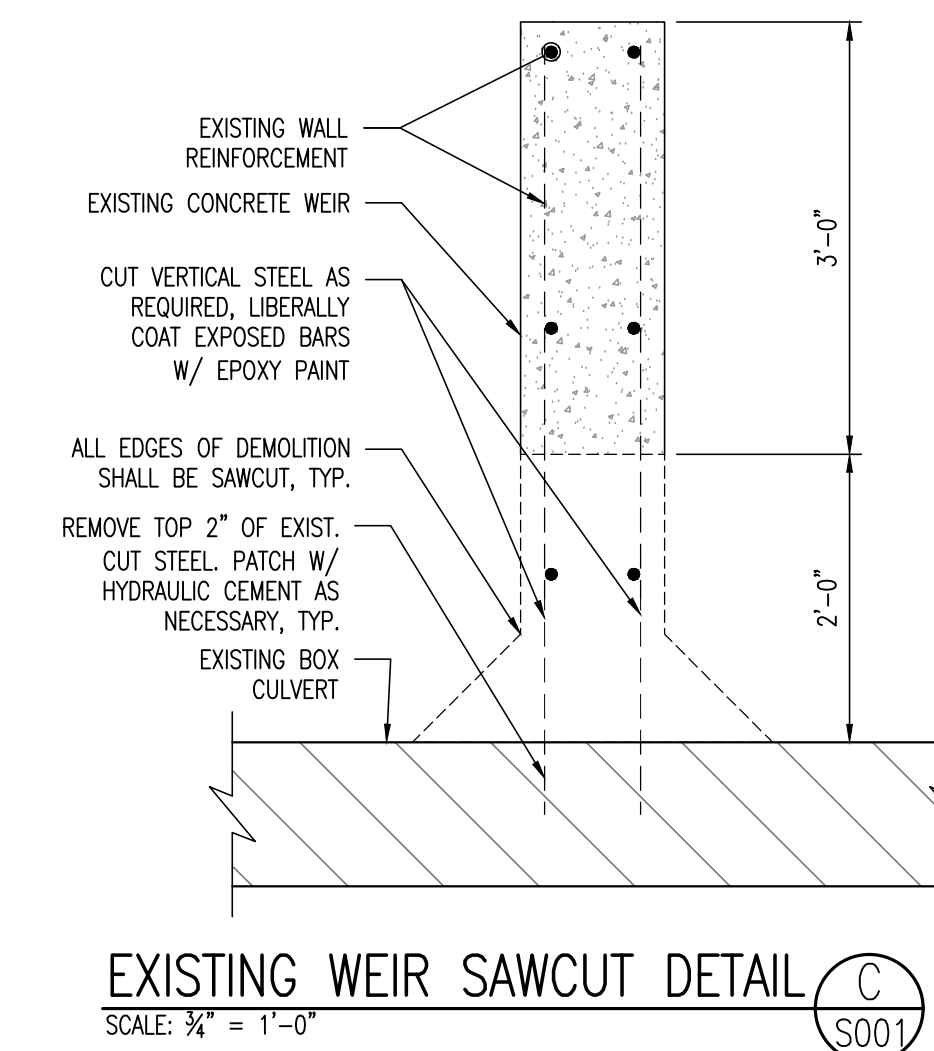
NEW WALL SECTION A

SCALE: 3/4" = 1'-0"



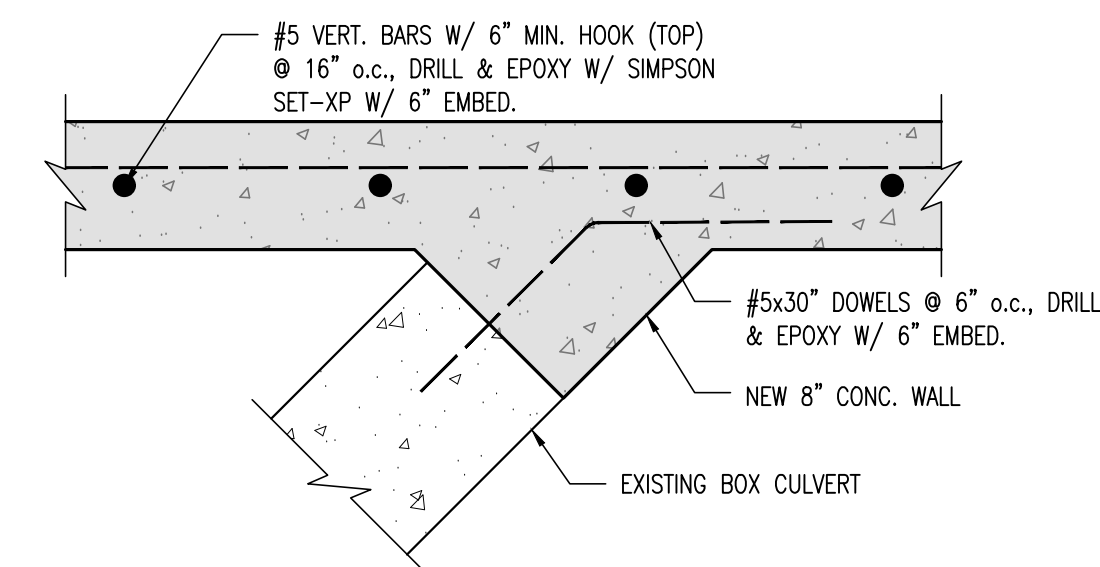
NEW WALL SECTION B

SCALE: 3/4" = 1'-0"



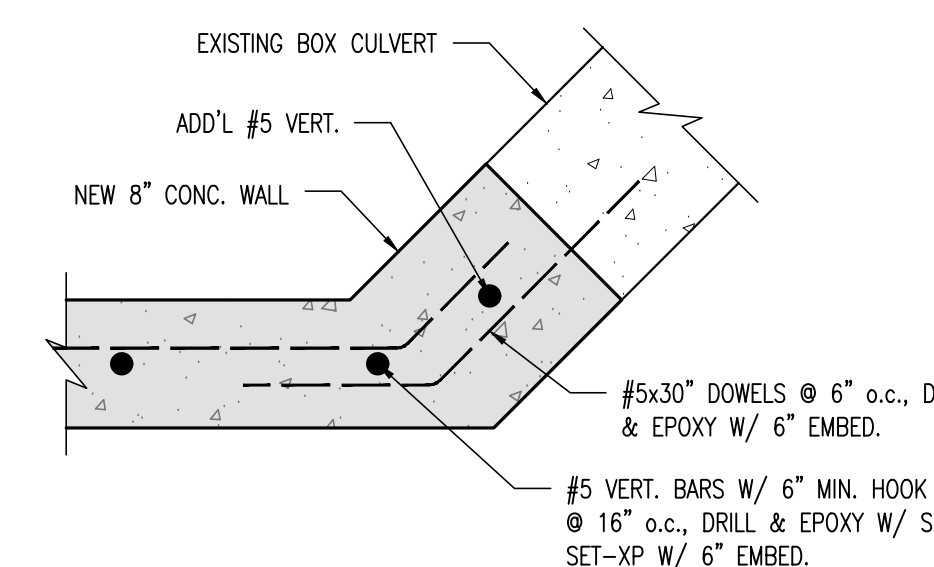
EXISTING WEIR SAWCUT DETAIL C

SCALE: 3/4" = 1'-0"



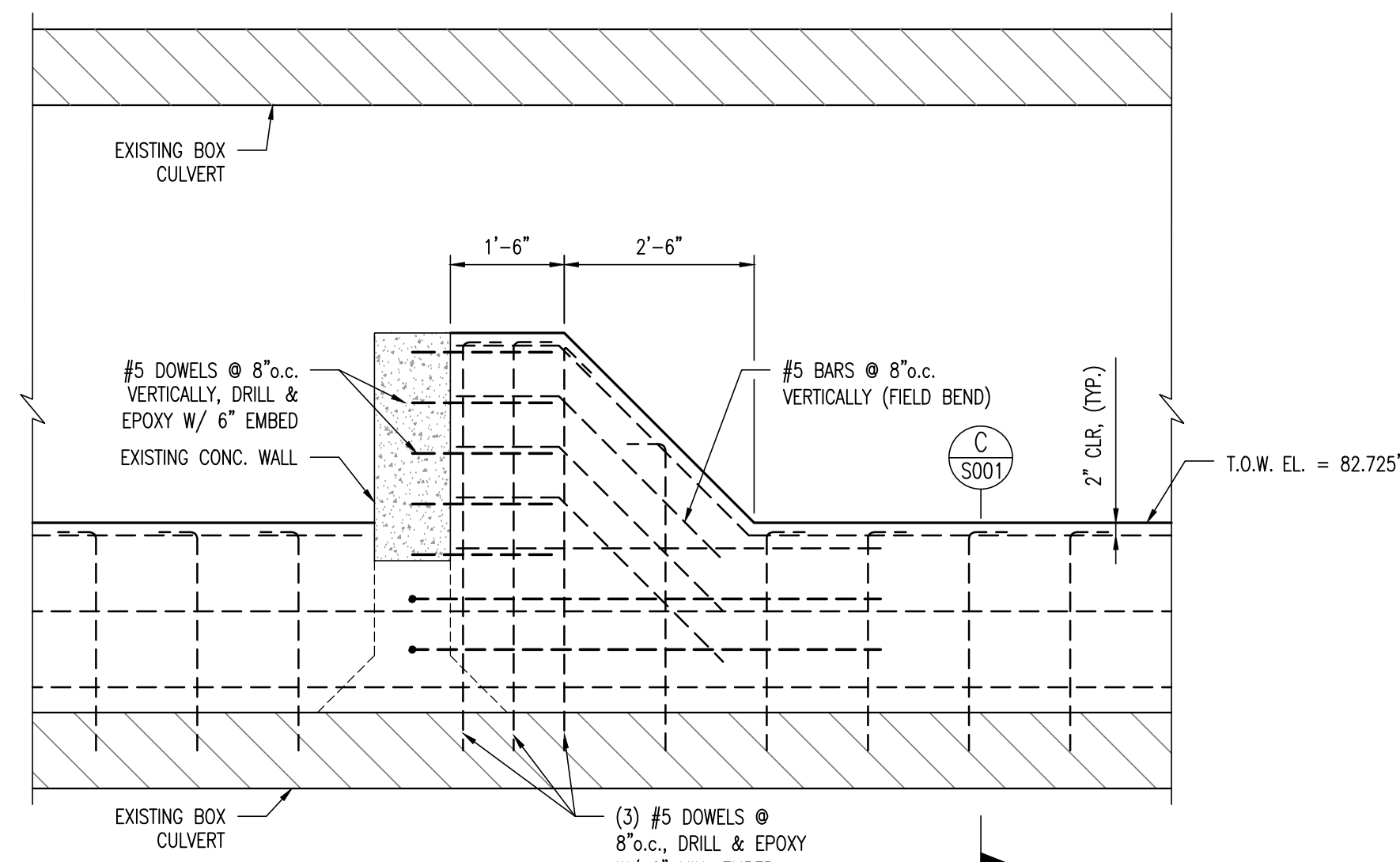
WALL CUT SECTION F

SCALE: 1" = 1'-0"



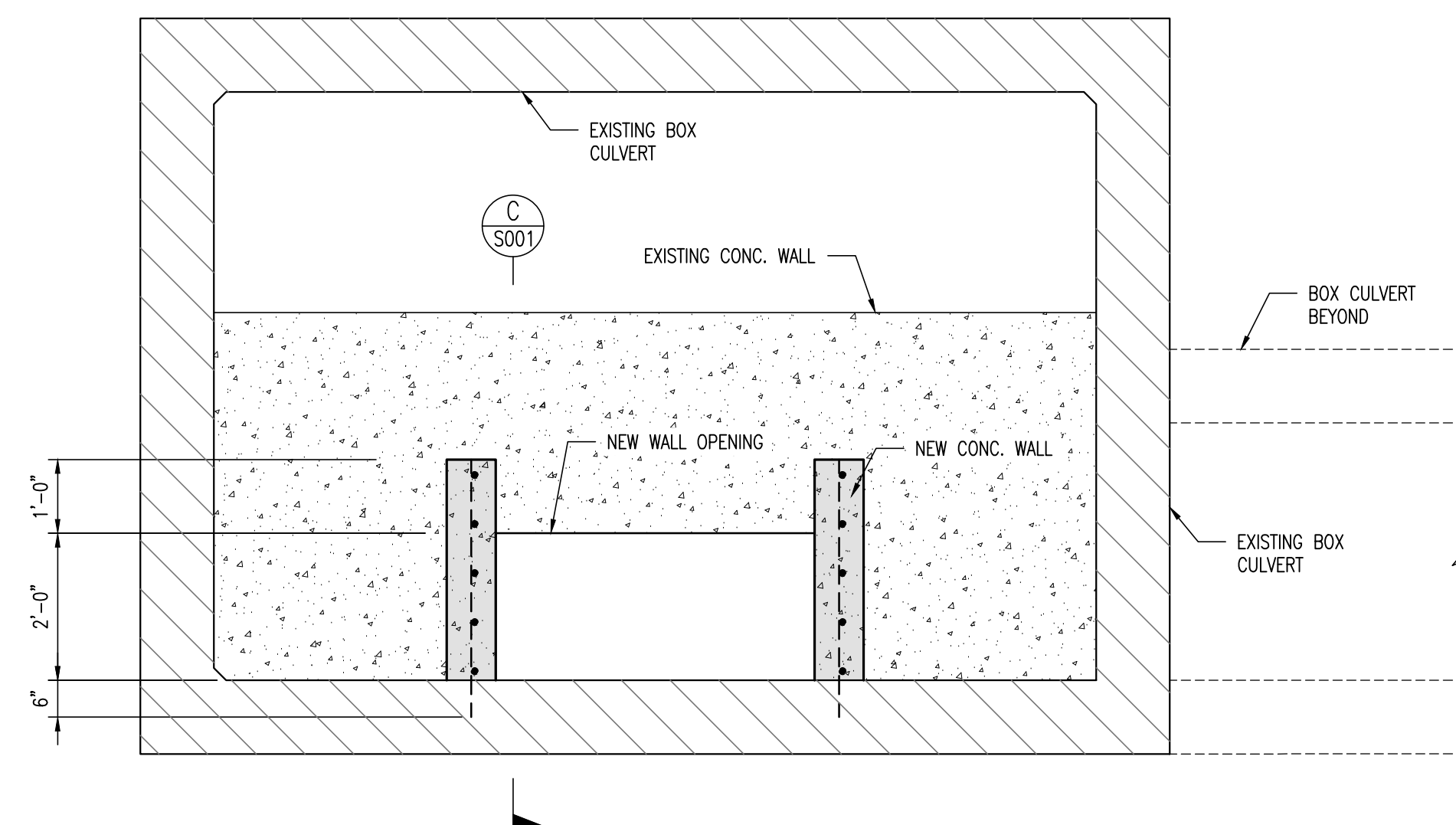
WALL CUT SECTION G

SCALE: 1" = 1'-0"



WALL ELEVATION (WEST END) D

SCALE: 3/8" = 1'-0"



TYPICAL WEIR SECTION E

SCALE: 3/8" = 1'-0"



**KEVER MCKEE**  
ENGINEERING

1624 Metropolitan Blvd., Ste. A  
Tallahassee, Florida 32308  
Office: 850.727.5367  
Authorization No. 31293

CLIENT

Half Associates, Inc.  
2507 Callaway Road  
Tallahassee, FL 32303  
Phone: (850) 224-4400

PROJECT

**CASCADES PARK -  
BOX CULVERT**

PROJECT LOCATION

Tallahassee, FL

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

ISSUE DATE

12/16/2022

PROJECT NUMBER

22321

PROJECT PHASE

DESIGN DEVELOPMENT

DRAWN BY

L. MALTA

DESIGNED BY

P. MCKEE

ENGINEERING SEAL

Patrick M. McKee, P.E.  
Florida P.E. No. 63122

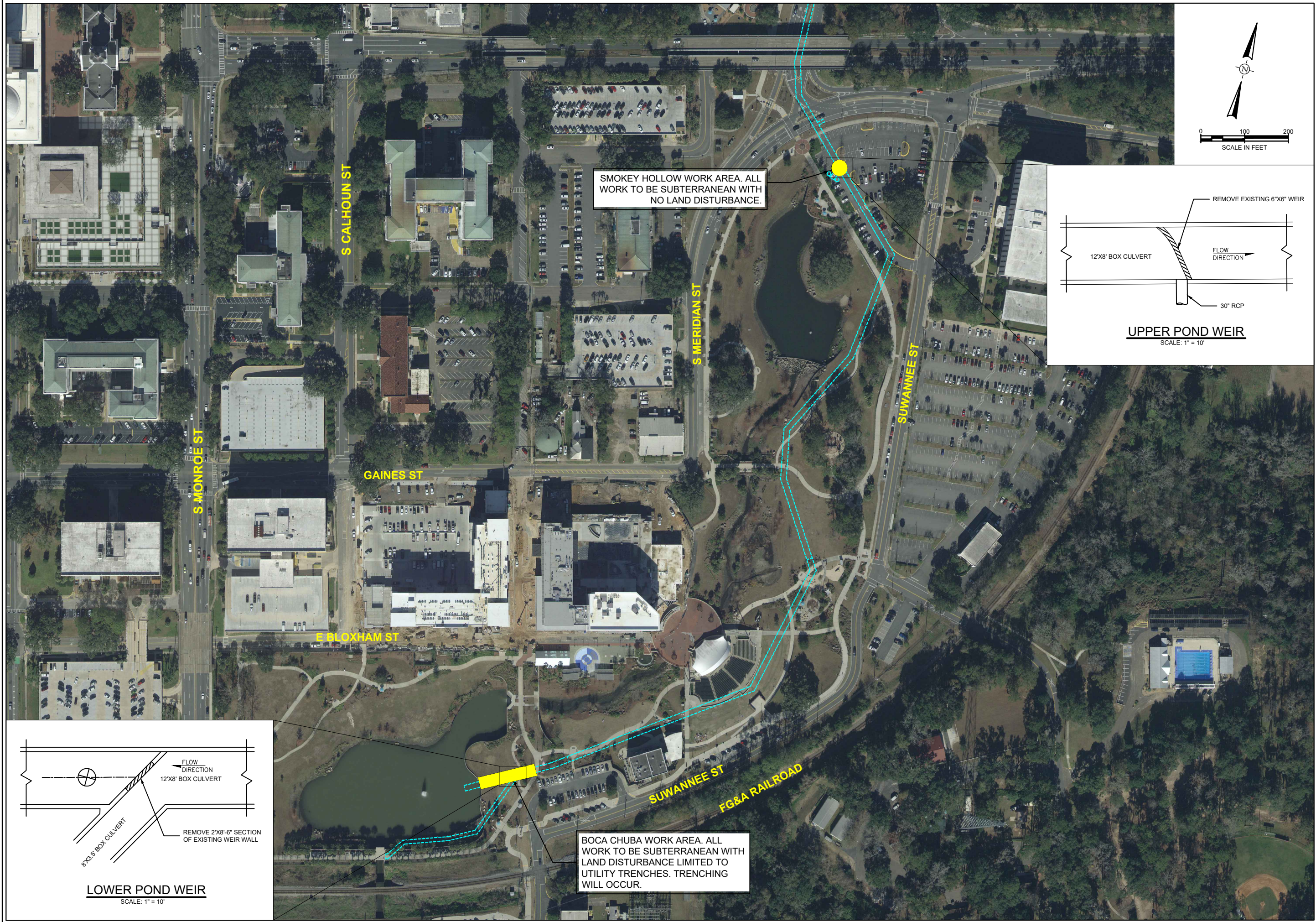
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**Structural Notes  
and Details**

**S001**

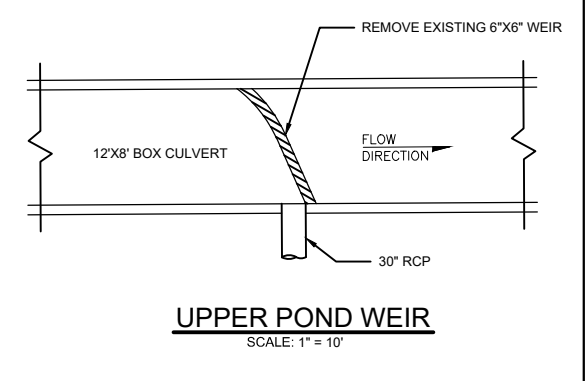
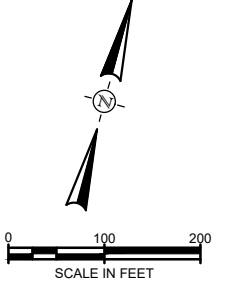


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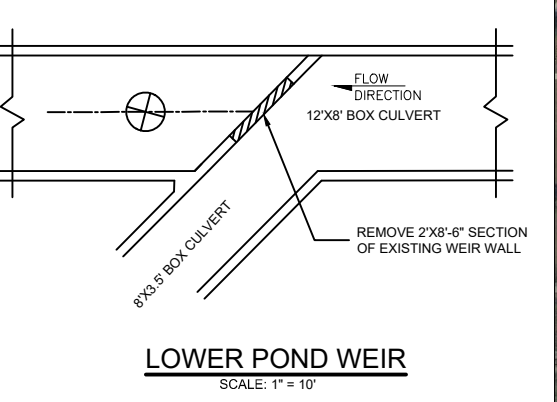


SMOKEY HOLLOW WORK AREA. ALL WORK TO BE SUBTERRANEAN WITH NO LAND DISTURBANCE.

BOCA CHUBA WORK AREA. ALL WORK TO BE SUBTERRANEAN WITH LAND DISTURBANCE LIMITED TO UTILITY TRENCHES. TRENCHING WILL OCCUR.



UPPER POND WEIR  
SCALE: 1" = 10'



LOWER POND WEIR  
SCALE: 1" = 10'

**CASCADES**  
ALUM SYSTEM REMEDIATION  
TALLAHASSEE, FLORIDA



**HALFF**  
FL CA 33380 FL LC 26000645 FL LB 8948  
HALFF ASSOCIATES, INC., SUITE 200  
2255 KILLBUCK CENTER BLVD., SUITE 200  
TALLAHASSEE, FLORIDA 32310  
TEL: (850) 224-4400 WWW.HALFF.COM

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NAME P.E. NO.  
DATE 03/13/2023  
FL CA 33380 FL LC 26000645 FL LB 8948

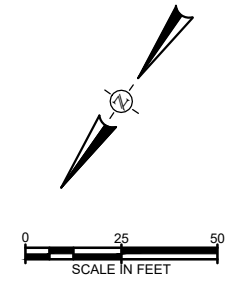
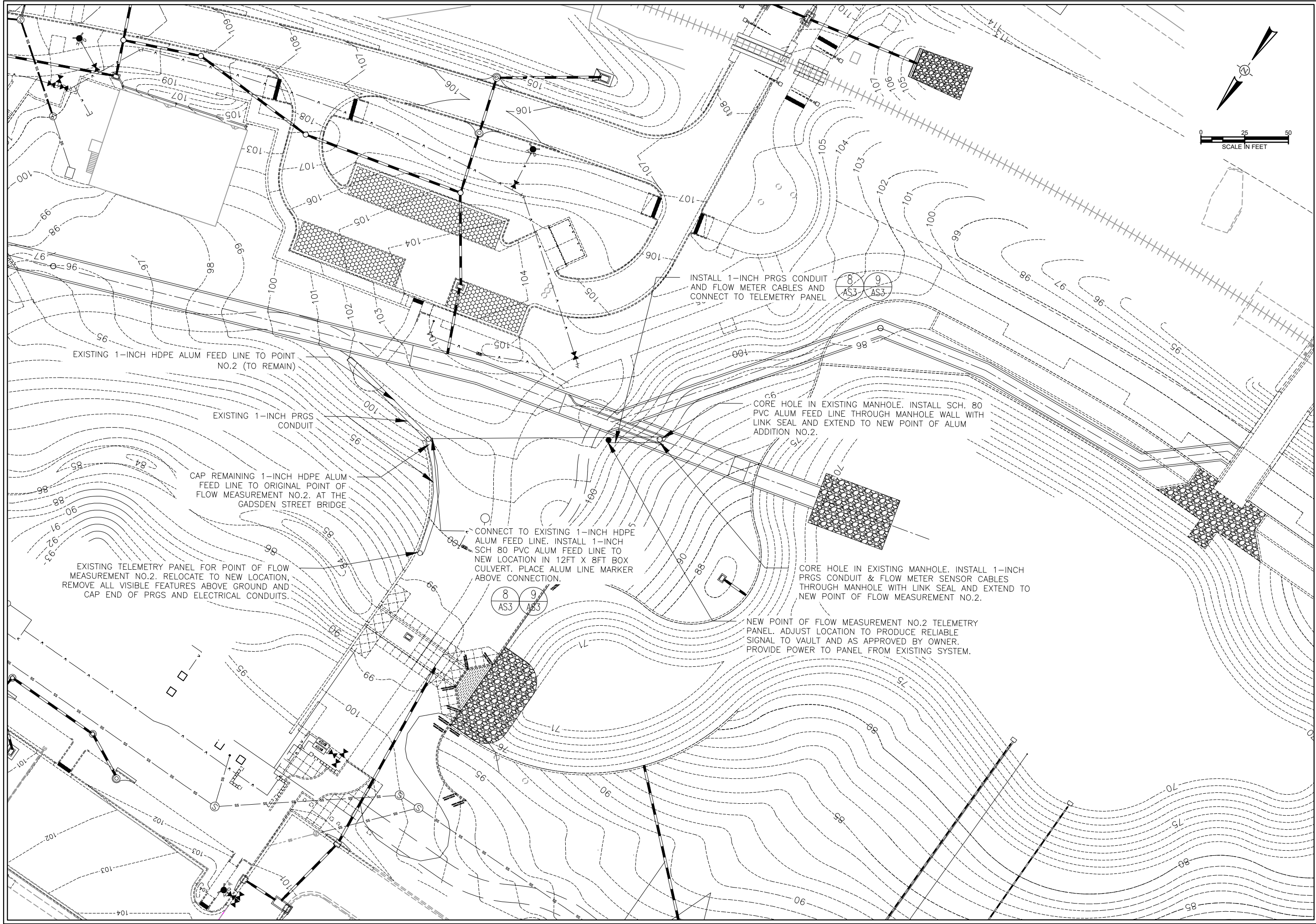
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ISSUED: 03/13/2023  
DRAWN BY: SRW  
CHECKED BY: EKG  
SCALE: 1" = 200'  
SHEET TITLE

SHEET TITLE  
**C3**  
SHEET NUMBER

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**CASCADES**  
ALUM SYSTEM REMEDIATION  
TALLAHASSEE, FLORIDA

**HALFF**  
FL CA 33380 FL LC 26000645 FL LB 8348  
HALFF ASSOCIATES, INC.  
2255 KILLBUCK CENTER BLVD., SUITE 200  
TALLAHASSEE, FLORIDA 32310  
TEL: (850) 224-4400 WWW.HALFF.COM

REVISION NO.	DATE	DESCRIPTION

NAME: \_\_\_\_\_ P.E. NO.: \_\_\_\_\_  
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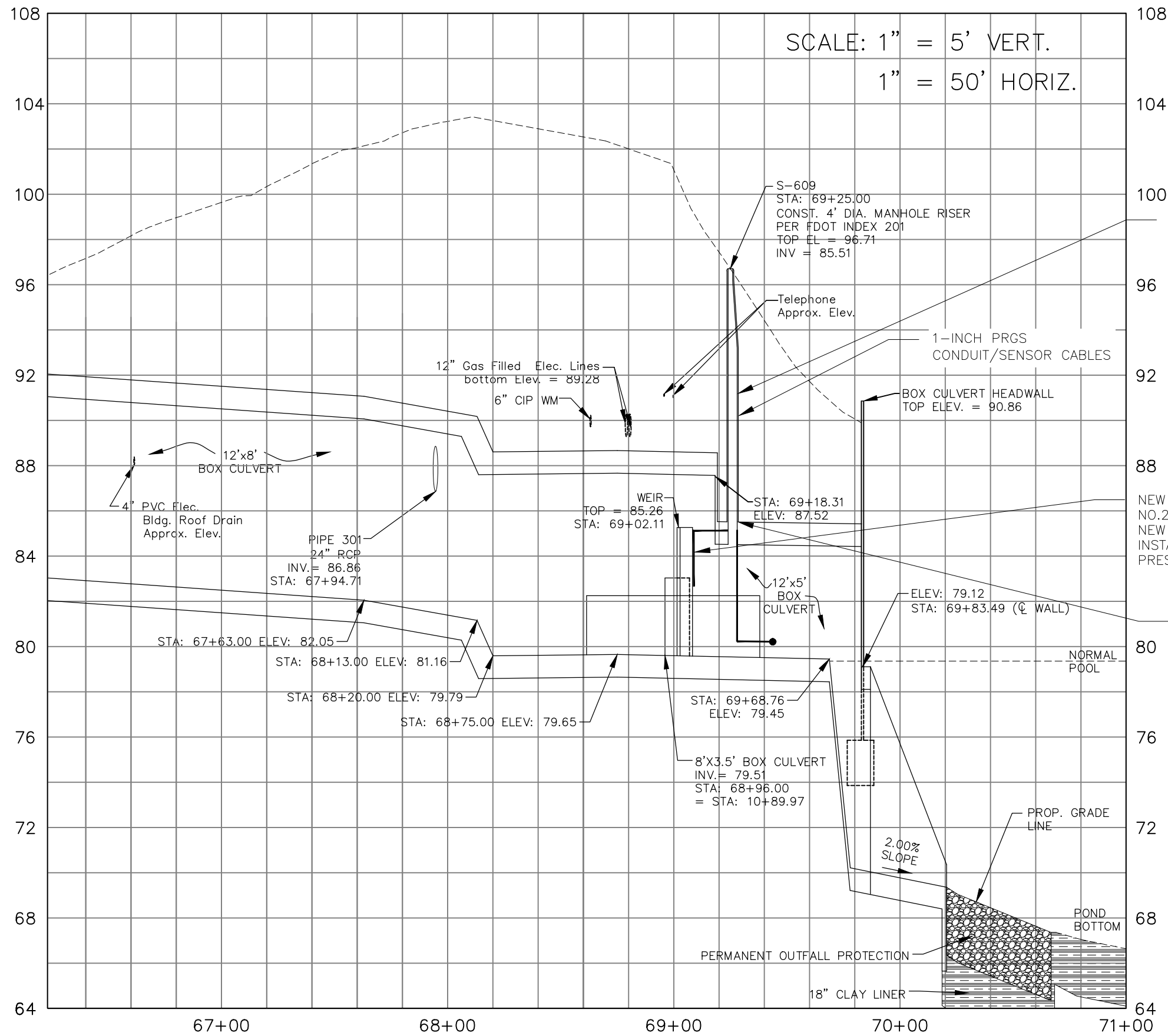
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ISSUED: 03/13/2023  
DRAWN BY: SRW  
CHECKED BY: EKG  
SCALE: 1" = 50'  
SHEET TITLE  
**LOWER POND WEIR PLAN**

**AS1**  
SHEET NUMBER

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SCALE: 1" = 5' VERT.  
1" = 50' HORIZ.

7 AS3  
SECURE 1-INCH PRGS CONDUIT/SENSOR CABLES AND 1-INCH SCH 80 PVC ALUM FEED LINE TO INSIDE MANHOLE WALL AND BOX CULVERT WALL USING 316 SS PIPE CLAMPS @ 5FT. ± AND AT BENDS.

6 AS3  
NEW POINT OF ALUM ADDITION NO.2 IMMEDIATELY DOWNSTREAM OF NEW ORIFICE IN CONCRETE WEIR. INSTALL 1-INCH SCH 80 PVC BACK PRESSURE VALVE AT DISCHARGE.

INSTALL TELEDYNE ISCO LASER FLOW METER/MODULE WITH SS MOUNTING BRACKET ABOVE CENTER OF NEW FLOW CHANNEL AND CENTER OF EXISTING MH FOR PROPER PLACEMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. BOTTOM OF FLOW METER SHALL BE ABOVE TOP OF NEW CHANNEL, AND EXISTING WEIR, AND NOT RESTRICT FLOW. USE 316SS HARDWARE. BRACKET AND METER INSTALLATION SHALL ENABLE REMOVAL FOR SERVICING AT MH. REQUIRED MEASUREMENT FLOW RATE RANGE IS 1 TO 48 CFS WITH FLOW DEPTH RANGE FROM A FEW INCHES TO HEIGHT OF WEIR WALL (4 FT.).

CONTRACTOR SHALL PROVIDE DETAILED SHOP DRAWINGS OF FLOW METER, MODULE, MOUNTING BRACKET, HARDWARE, ELECTRICAL AND FLOW SIGNAL CABLE CONNECTIONS, AND DRAWINGS OF BRACKET AND FLOW METER INSTALLATION FOR OWNER APPROVAL PRIOR TO ORDERING. INFORMATION SHALL ALSO BE PROVIDED TO DEMONSTRATE THE ABILITY OF THE FLOW METER TO ACCURATELY MEASURE FROM 1 TO 48 CFS AT RANGE OF WATER DEPTHS PROVIDED ABOVE.

PROFILE VIEW  
**BOX CULVERT TRANSITION PROFILE**

REVISION NO.	DATE	DESCRIPTION

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DATE: 03/13/2023  
FL CA 33380 FL LC 26000645 FL LB 8348

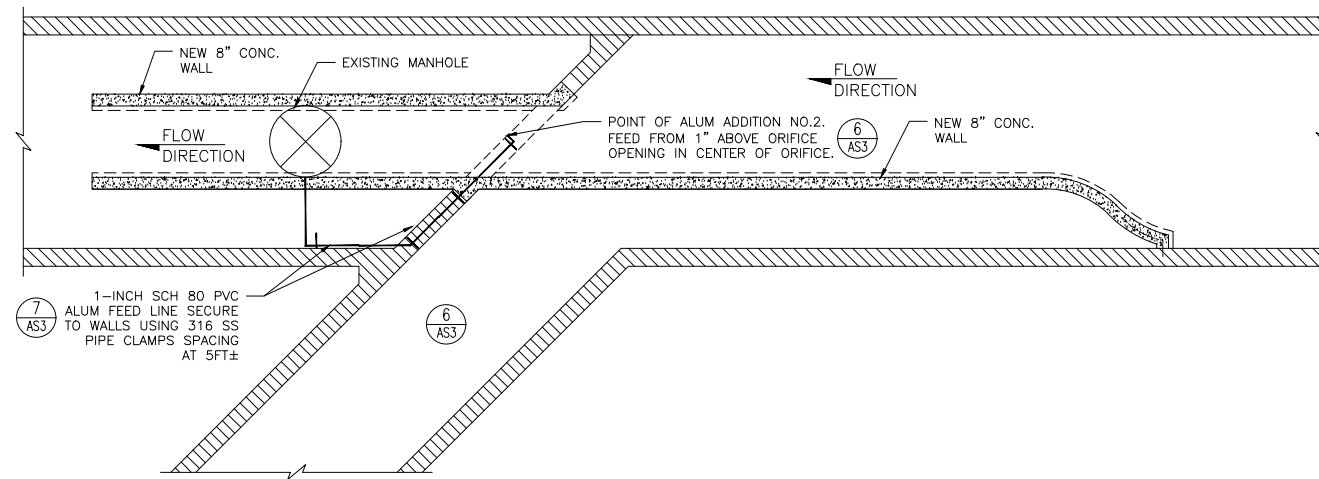
PROJECT NO.: 43269.001  
ISSUED: 03/13/2023  
DRAWN BY: SRW  
CHECKED BY: EKG

SCALE: AS SHOWN  
SHEET TITLE  
**LOWER POND WEIR PROFILE**

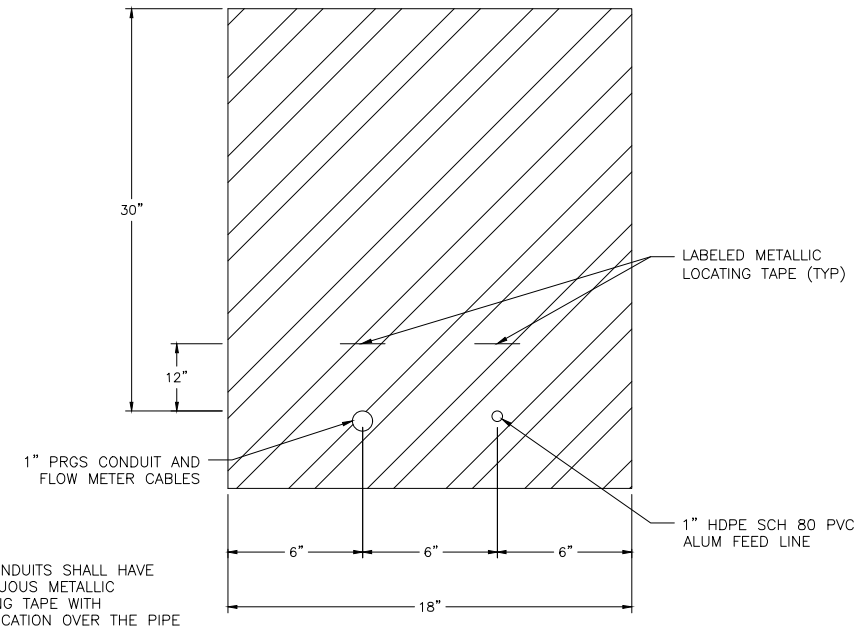
AS2  
SHEET NUMBER

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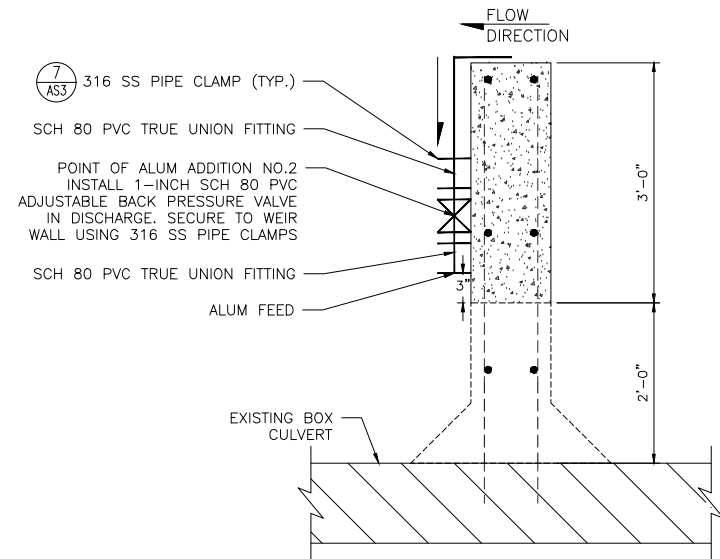
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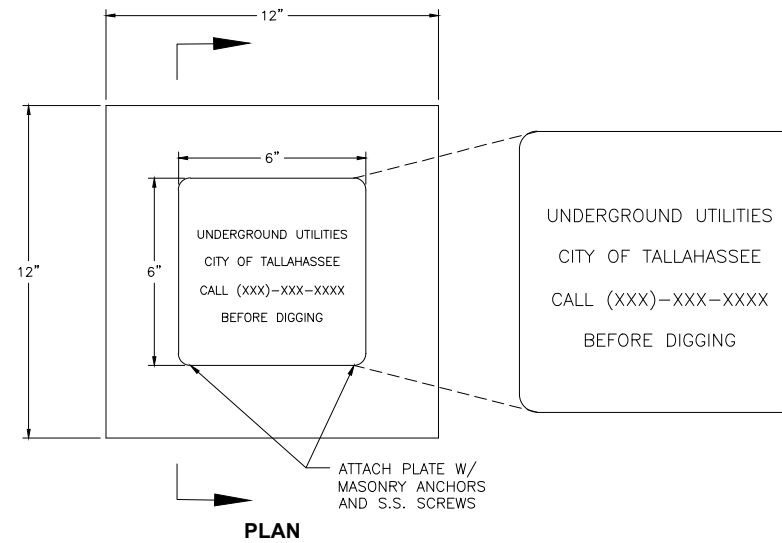
**'BOCA CHUBA' CULVERT INTERFACE PLAN**  
SCALE: NTS



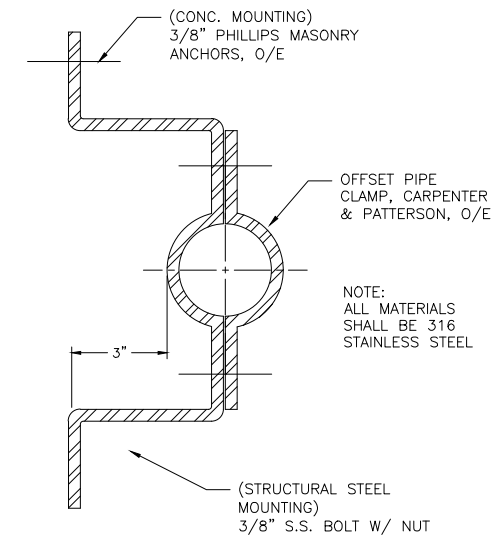
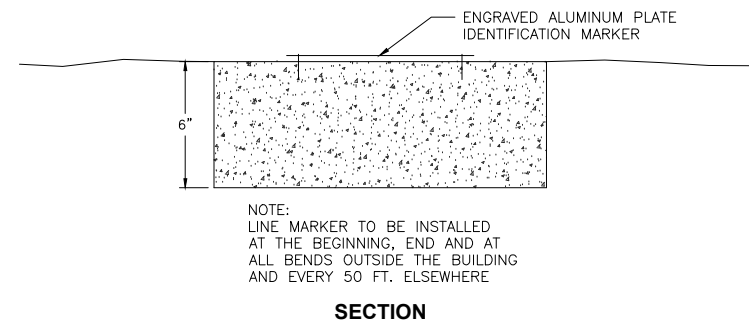
**9 TRENCHING DETAIL**  
SCALE: NTS



**6 POINT OF ALUM ADDITION NO. 2 DETAIL**  
SCALE: NTS



**8 ALUM LINE MARKER DETAIL**  
SCALE: NTS



**7 PIPING SUPPORT CLAMP DETAIL**  
SCALE: NTS

REVISION NO.	DATE	DESCRIPTION

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FL CA 33380 FL LC 26000645 FL LB 8948

PROJECT NO.: 43269.001  
ISSUED: 03/13/2023  
DRAWN BY: SRW  
CHECKED BY: EKG  
SCALE: AS SHOWN  
SHEET TITLE  
**LOWER POND WEIR DETAILS**

**AS3**  
SHEET NUMBER