



# FLORIDA DEPARTMENT OF Environmental Protection

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Noah Valenstein**  
Secretary

CENTRAL DISTRICT OFFICE  
3319 MAGUIRE BLVD., SUITE 232  
ORLANDO, FLORIDA 32803

March 15, 2021

*Originally Issued – 3/12/2021*

*Corrected Permittee - 3/15/2021*

St. Johns River Water Management District  
Attn: Dr. Ann Shortelle  
P.O. Box 1429  
Palatka, FL 32178  
[ashortelle@sjrwmd.com](mailto:ashortelle@sjrwmd.com)

Sun Gro Horticulture Excavation and Processing, LLC  
Attn: Corey Warner  
862 South Duncan Dr  
Tavares, Florida 32778  
[cwarner@ljfholdco.com](mailto:cwarner@ljfholdco.com)

File No. ST404-0350037-002-SFG25, Lake County

Dear Dr. Shortelle and Mr. Warner:

On January 25, 2021, we received your notice of intent to use a General Permit (GP), pursuant to Rule 62- 331.225, Florida Administrative Code (F.A.C.), to enhance conditions of the Emerald Marsh Conservation Area. The project will excavate approximately 3,400,000 cubic yards of muck and peat from a 605-acre surface water area. The associated activities include construction of rim ditches and berms, roadways and levees, and a polishing and treatment pond. Construction and operation must comply with the attached figures and conditions. The project is located off 39127 CR 452, Sections 14, 15, 22, & 23, Township 18 South, Range 25 East, Lake County.

Your intent to use a general permit has been reviewed by Department staff for State 404 Program authorization. The authority for review and the outcomes of the reviews are listed below. Please read each section carefully.

**Your project qualifies for authorization.** However, this letter does not relieve you from the responsibility of obtaining other federal, state, or local authorizations that may be required for the activity.

## **State 404 Program Review – Approved**

Based on the forms, drawings, and documents submitted with your notice, it appears that the project meets the requirements for the General Permit under Rule 62-331.225, F.A.C. Any activities

performed under a general permit are subject to general conditions required in Rule 62-331.201, F.A.C. (attached), the conditions of Rule 62-331.225, F.A.C., (attached), and any specific conditions, below. Any deviations from these conditions may subject the permittee to enforcement action and possible penalties.

Please be advised that the construction phase of this GP must be completed by 2026. State 404 Program permits cannot be extended or renewed.

### **Specific Conditions**

1. Storage or stockpiling of tools and materials (i.e., lumber, pilings, debris,) within wetlands, along the shoreline, within the littoral zone, or elsewhere within wetlands or other surface waters is prohibited. All vegetative material and debris shall be removed to a self-contained upland disposal area with no stockpiling of debris within wetland areas.
2. Best management practices for erosion and turbidity plume control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards. Methods include but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, staged construction and the installation of turbidity screens around the immediate project and work site.
3. Areas to be dredged shall be dredged in accordance with the attached permit drawings and shall not exceed the areas and depths indicated on those drawings. The dredged material shall be placed in a self-contained, upland disposal site. The dewatering/disposal area shall be constructed in a manner which shall prevent the escape of dredged material and associated effluent into wetlands and surface waters. Discharge of water or dredged material to waters of the State shall not be allowed during disposal or transport.

Authority for review – Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, F.A.C.

### **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.

### **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 further 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, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; 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 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@dep.state.fl.us](mailto:Agency_Clerk@dep.state.fl.us). 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 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@dep.state.fl.us](mailto:Agency_Clerk@dep.state.fl.us), 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.

#### EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



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Aaron Watkins  
Director, Central District

#### Enclosures:

62-331.225, F.A.C.- General Permits for Aquatic Habitat Restoration, Enhancement, and Creation Activities

General Conditions for All General Permits, Ch. 62-331.201, F.A.C.

62-330.405 F.A.C.- General Conditions for General Permits.

#### Attachments:

Ex 1 Project Maps and Drawings

Certification of Compliance with State 404 Program General Permit, form [form 62-331.200\(1\)](#)

### **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:

Teayann Duclos, FDEP, [Teayann.duclos@floridadep.gov](mailto:Teayann.duclos@floridadep.gov)

Miguel Constantine, FDEP, [miguel.constantine@floridadep.gov](mailto:miguel.constantine@floridadep.gov)

Carl Salafrio, Agent, [csalafrio@ecdflorida.com](mailto:csalafrio@ecdflorida.com)

Joel Thomson, Agent, [joel@thomsonenv.com](mailto:joel@thomsonenv.com)

Robert Naleway, Agent, [rnaleway@sjrwmd.com](mailto:rnaleway@sjrwmd.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 15, 2021

Date

## **62-331.225 General Permit for Aquatic Habitat Restoration, Enhancement, and Creation Activities**

(1) This general permit authorizes the following activities:

(a) Activities in state-assumed waters associated with the restoration, enhancement, and creation of non-tidal wetlands and riparian areas, the restoration and enhancement of streams and other open waters, provided those activities result in net increases in aquatic resource functions and services. To the extent that an activity requires a Section 404 permit, the activities authorized by this general permit, include, but are not limited to:

1. The removal of accumulated sediments;
2. The installation, removal, and maintenance of small water control structures, dikes, and berms, as well as dredging or filling to restore appropriate stream channel configurations after small water control structures, dikes, and berms, are removed;
3. The installation of current deflectors;
4. The enhancement, rehabilitation, or re-establishment of riffle and pool stream structure;
5. The placement of in-stream habitat structures;
6. Modifications of the stream bed and/or banks to enhance, rehabilitate, or re-establish stream meanders;
7. The removal of stream barriers, such as undersized culverts, fords, and grade control structures;
8. The backfilling of artificial channels;
9. The removal of existing drainage structures, such as drain tiles, and the filling, blocking, or reshaping of drainage ditches to restore wetland hydrology;
10. The installation of structures or fills necessary to restore or enhance wetland or stream hydrology;
11. The construction of open water areas;
12. Activities needed to reestablish vegetation, including plowing or discing for seed bed preparation and the planting of appropriate wetland species;
13. Re-establishment of submerged aquatic vegetation in areas where those plant communities previously existed;
14. Mechanized land clearing to remove non-native invasive, exotic, or nuisance vegetation;
15. Other related activities.

(b) Relocation of waters, including wetlands and streams, on the project site provided there are net increases in aquatic resource functions and services.

(2) This general permit does not authorize:

(a) The conversion of a stream or natural wetlands to another aquatic habitat type (*e.g.*, the conversion of a stream to wetland or vice versa) or uplands, except for the relocation of waters on the project site. Changes in wetland plant communities that occur when wetland hydrology is more fully restored during wetland rehabilitation activities are not considered a conversion to another aquatic habitat type.

(b) Stream channelization.

(c) Lake restoration projects proposing any type of in-lake disposal of dredged or fill material.

(3) Authorized activities are subject to the following conditions:

(a) The aquatic habitat restoration, enhancement, or creation activity must be planned, designed, and implemented so that it results in aquatic habitat that resembles an ecological reference. An ecological reference may be based on the characteristics of an intact aquatic habitat or riparian area of the same type that exists in the region, or it may be based on a conceptual model developed from regional ecological knowledge of the target aquatic habitat type or riparian area.

(b) Only native plant species shall be planted at the site.

(c) Reporting. For those activities that do not require submittal of a notice of intent, the permittee must submit a report to the Agency at least 30 days prior to commencing activities in state-assumed waters authorized by this general permit. The report shall include:

1. Information on baseline ecological conditions on the project site, such as a delineation of wetlands, streams, and/or other aquatic habitats; and

2. A copy of:

a. The binding stream enhancement or restoration agreement or wetland enhancement, restoration, or creation agreement, or a project description, including project plans and location map;

b. The Natural Resources Conservation (NRCS) or U.S. Department of Agriculture (USDA) Technical Service Provider documentation for the voluntary stream enhancement or restoration action or wetland restoration, enhancement, or creation action; or

c. The Surface Mining Control and Reclamation Act permit issued by Office of Surface Mining Reclamation and Enforcement or the applicable state agency.

(4) Compensatory mitigation is not required for activities authorized by this general permit since these activities must result in net increases in aquatic resource functions and services.

(5) The permittee must submit a notice of intent to use this general permit to the Agency prior to commencing any activity, except for the following activities:

(a) Activities conducted on non-Federal public lands and private lands, in accordance with the terms and conditions of a binding stream enhancement or restoration agreement or wetland enhancement, restoration, or creation agreement between the landowner and the U.S. Fish and Wildlife Service (FWS), NRCS, the Farm Service Agency (FSA), the National Marine Fisheries Service (NMFS), the National Ocean Service (NOS), the U.S. Forest Service (USFS), or their designated state cooperating agencies; or

(b) Voluntary stream or wetland restoration or enhancement action, or wetland creation action, documented by the NRCS or USDA Technical Service Provider pursuant to NRCS Field Office Technical Guide standards.

(6) This general permit can be used to authorize compensatory mitigation projects, including mitigation banks and in-lieu fee projects.

(7) If a site is to be reverted back to its documented prior condition, when the reversion will be conducted as

described in paragraphs (a) through (c), below, the agreement or general permit shall contain language specifically stating the intent to revert at a later date. The reversion activities will require authorization through the use of the general permit in Rule 62-331.226, F.A.C., or a State 404 Program individual permit for activities associated with reversion but outside of the scope of the original permit.

(a) In accordance with the terms and conditions of a binding stream or wetland enhancement or restoration agreement, or a wetland creation agreement, between the landowner and the FWS, NRCS, FSA, NMFS, NOS, USFS, or their designated state cooperating agencies; or

(b) As a component of voluntary wetland restoration, enhancement, and creation actions documented by the NRCS or USDA Technical Service Provider pursuant to NRCS Field Office Technical Guide standards.

(c) In state-assumed waters for reversion of wetlands that were restored, enhanced, or established on prior-converted cropland or on uplands, in accordance with a binding agreement between the landowner and NRCS, FSA, FWS, or state agencies (even though the restoration, enhancement, or creation activity did not require a Section 404 permit).

*Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.4131, 373.414(9), 373.4145, 373.4146(2), 403.805(1) FS. Law Implemented 373.118, 373.129, 373.136, 373.413, 373.4131, 373.414, 373.4145, 373.4146, 373.416, 373.422, 373.423, 373.429 FS. History – New \_\_\_\_\_.*

## **62-331.201 Conditions for General Permits**

- (1) General permits shall be subject to the conditions in subsections (2) and (3), below, and the general conditions for all general permits in Rule 62-330.405, F.A.C., except subsections 62-330.405(7) and (10), F.A.C. The Agency may revise the general conditions in Rule 62-330.405, F.A.C. to include references to applicable rules under this Chapter, as necessary.
- (2) When a project requires submittal of a notice of intent to use a general permit, the Agency shall impose specific conditions as necessary to assure that the activities will be conducted in compliance with this Chapter, and in a manner which minimizes adverse impacts upon the physical, chemical, and biological integrity of wetlands or other surface waters, such as mitigation, monitoring, reporting, or recordkeeping requirements and protection measures for listed species or historical resources.
- (3) In addition, general permits under this Chapter are subject to the following conditions:
- (a) Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing shall be designed and constructed to minimize adverse effects to aquatic life movements.
- (b) Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.
- (c) Migratory Bird Breeding Areas. Activities in state-assumed waters that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.
- (d) Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by general permits in Rule 62-331.211 or 62-331.244, F.A.C., or is a shellfish seeding or habitat restoration activity authorized by the general permit in Rule 62-331.225, F.A.C.
- (e) Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or fill must be free from toxic pollutants in toxic amounts as listed in section 307 of the CWA, which is incorporated by reference in subparagraph 62-331.053(3)(a)3., F.A.C., or state law.
- (f) Water Supply Intakes. No activity may occur within 1000 feet of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

(g) Fills Within 100-year Floodplains. The activity shall comply with applicable FEMA-approved state or local floodplain management requirements.

(h) Single and Complete Project. The activity must be a single and complete project. The same general permit cannot be used more than once for the same single and complete project unless otherwise stated within the general permit. (See 404 Handbook, section 3.2.1).

(i) Wild and Scenic Rivers. No general permit activity may occur in a component of the National Wild and Scenic Rivers System, or in a river officially designated by Congress as a study river for possible inclusion in the System while the river is in an official study status, unless the appropriate federal agency with direct management responsibility for such river has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

(j) Tribal Rights. No general permit activity may cause more than minimal adverse effects on tribal rights (including treaty rights, settlement rights, or rights reserved under state or federal law), protected tribal resources (including cultural or burial resources off reservation), tribal waters, or to tribal lands.

(k) Listed species. No activity is authorized under any general permit which is likely to directly or indirectly jeopardize the continued existence of an endangered or threatened species or a species proposed for such designation, or which will directly or indirectly destroy or adversely modify the critical habitat of such species. No activity is authorized under any general permit which may affect a listed species or critical habitat, unless the Agency has consulted with, or been provided technical assistance by the Florida Fish & Wildlife Conservation Commission, the U.S. Fish & Wildlife Service, and the National Marine Fisheries Service under their respective authorities and appropriate measures to address the effects of the proposed activity have been implemented or are required as a specific condition to the general permit.

(l) Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring their action complies with the Migratory Bird Treaty Act, 16 U.S.C. §§ 703 – 712 (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12068>), and the Bald and Golden Eagle Protection Act, 16 U.S.C. §§ 668 – 668(d) (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12069>). The permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether incidental take permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

(m) Historic Properties. In cases where the Agency determines, based on information from SHPO, that the activity may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places, the activity is not authorized until a determination of “no effect” or “no adverse effect” is provided by SHPO.

(n) Manatees. In waters that are accessible to manatees, the permittee shall follow the “Standard Manatee Conditions for In-Water Work (2011)”, incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12070>).

(o) Sea turtles, smalltooth sawfish, Gulf sturgeon, or shortnose sturgeon. In waters that are accessible to these species, the permittee shall follow the “Sea Turtle and Smalltooth Sawfish Construction Conditions” (March 23, 2006), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12071>).

(p) Use of Multiple General Permits. The use of more than one general permit under this Chapter for a single and complete project is prohibited, except when specified within a specific general permit, or when the acreage loss of state-assumed waters authorized by the general permits does not exceed the acreage limit of the general permit with the highest specified acreage limit.

(q) Transfer of General Permit Verifications. If the permittee sells the property associated with the general permit verification, the permittee shall transfer the general permit verification to the new owner by submitting a completed Form 62-331.100(1) – “Transfer of State 404 Program General Permit Verification” (effective date), incorporated by reference in subsection 62-331.100(2), F.A.C., within 30 days of the sale, to the Agency that processed the original notice.

(r) Compliance Certification. Each permittee who receives a general permit verification letter under this Chapter must submit a completed Form 62-331.200(1) – “Certification of Compliance with a State 404 Program General Permit” (effective date), incorporated by reference in subsection 62-331.200(4), F.A.C., within 30 days of completion of the authorized activity, or the implementation of any required compensatory mitigation, whichever is later.

(s) Activities Affecting Structures or Work Built by the United States. If an activity also requires permission from the Corps pursuant to 33 U.S.C. § 408 because it will alter or temporarily or permanently occupy or use a Corps federally authorized Civil Works project, the prospective permittee is responsible for obtaining such permission separately from the Corps prior to commencing activities authorized by the general permit.

(t) If during the ground disturbing activities and construction work within the permit area, there are archaeological or cultural materials encountered which were not the subject of a previous cultural resources assessment survey or to which such impacts were not anticipated, including but not limited to pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement; the Permittee shall immediately stop all work and ground-disturbing activities within a 100-meter diameter of the discovery and notify the Agency within the same business day. The Agency shall then notify the State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) or tribe when the interested tribe does not have a THPO, to assess the significance of the discovery and devise appropriate actions.

(u) Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries or effects to historic properties as referenced in accordance with condition (t), above, and if deemed necessary by the SHPO, or THPO(s), Tribes, or Agency. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Agency may modify, suspend, or revoke the permit in accordance with Rule 62-331.080, F.A.C. Such activity shall not resume without written authorization from the SHPO and THPO(s), or tribe when the interested tribe does not have a THPO, concerning potential effects to cultural resources or historic properties for finds under their jurisdiction, and from the Agency.

(v) In the event that unmarked human remains are identified, they shall be treated in accordance with Section 872.05, F.S. All work and ground-disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Agency, and State Archaeologist within the same business day. The Agency shall then notify the appropriate SHPO and THPO(s) and appropriate tribes and other appropriate consulting parties. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Agency may modify, suspend, or revoke the permit in accordance with Rule 62-331.080, F.A.C. Such activity shall not resume without written authorization from the medical examiner, State Archaeologist, and from the Agency. Additionally, if the unmarked remains were identified on federal lands, or lands where the Archaeological Resources Protection Act, 16 U.S.C. §§ 470aa – 470mm (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12072>), or the Native American Graves Protection Repatriation 25 U.S.C. §§ 3001-3013 (2018), incorporated by reference herein (<https://www.flrules.org/Gateway/reference.asp?No=Ref-12073>), applies, such activity shall not resume without written authorization from the SHPO, the appropriate THPO(s), and the federal land manager.

(w) Noncompliance. The permittee shall timely notify the Agency of any expected or known actual noncompliance.

(x) Inspection and entry. The permittee shall allow the Agency, upon presentation of proper identification, at reasonable times to:

1. Enter upon the permittee's premises where a regulated activity is located or where records must be kept under the conditions of the permit,
2. Have access to and copy any records that must be kept under the conditions of the permit,
3. Inspect operations regulated or required under the permit, and
4. Sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.

(y) The permittee shall comply with all conditions of the permit, even if that requires halting or reducing the permitted activity to maintain compliance. Any permit violation constitutes a violation of Part IV of Chapter 373, F.S., and this Chapter, as well as a violation of the CWA.

(z) The permittee shall take all reasonable steps to prevent any unauthorized dredging or filling in violation of this permit.

(aa) Upon Agency request, the permittee shall provide information necessary to determine compliance status, or whether cause exists for permit modification, revocation, or termination.

*Rulemaking Authority 373.026(7), 373.043, 373.118(1), 373.4131, 373.414(9), 373.4145, 373.4146(2), 403.805(1) FS. Law Implemented 373.118, 373.129, 373.136, 373.413, 373.4131, 373.414, 373.4145, 373.4146, 373.416, 373.422, 373.423, 373.429 FS. History – New \_\_\_\_\_.*

**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) Not applicable.
- (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) Not applicable.

(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-earth 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.

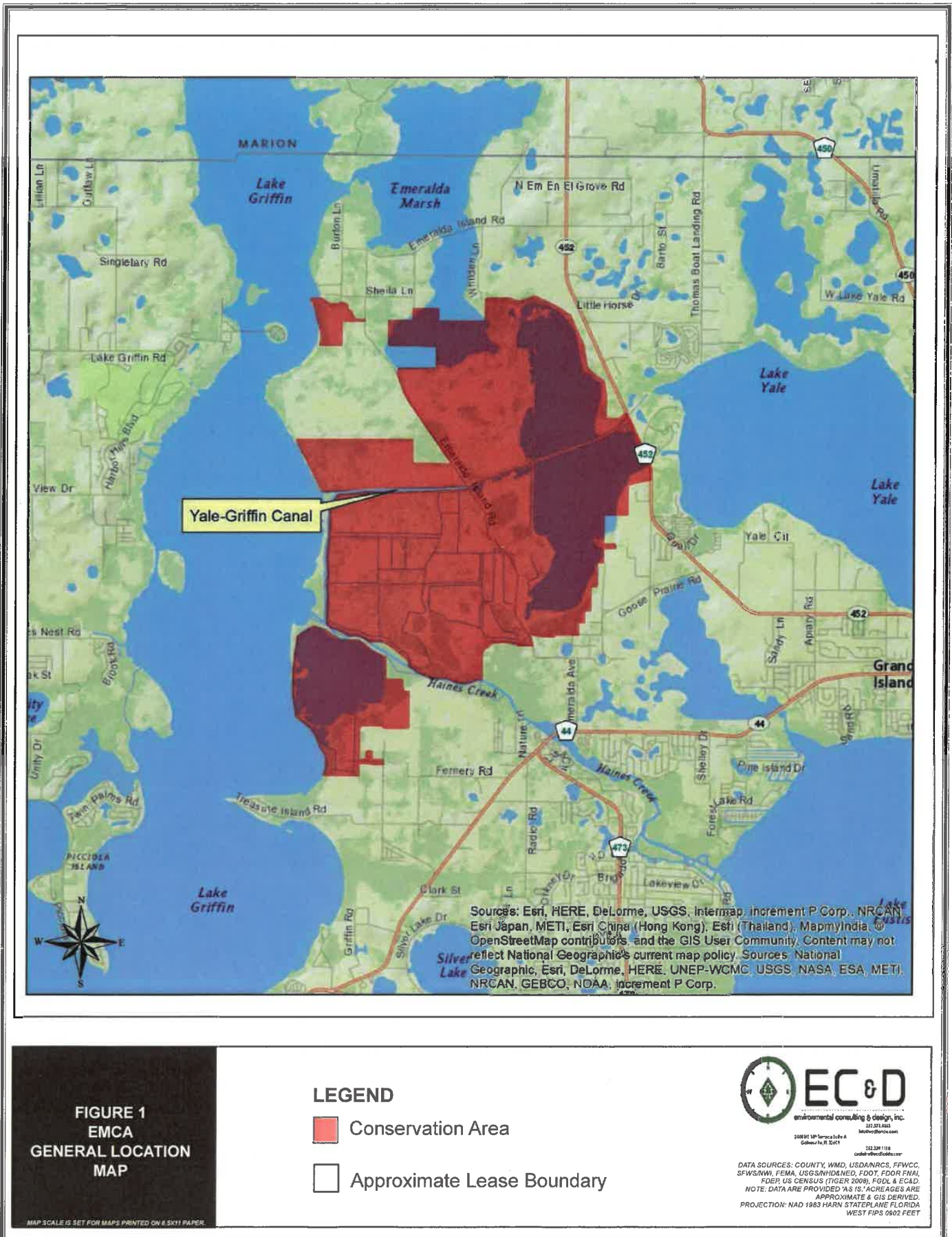
(d) Any listed species that is killed or injured by work associated with activities performed shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1(888)404-3922 and [ImperiledSpecies@myFWC.com](mailto:ImperiledSpecies@myFWC.com).

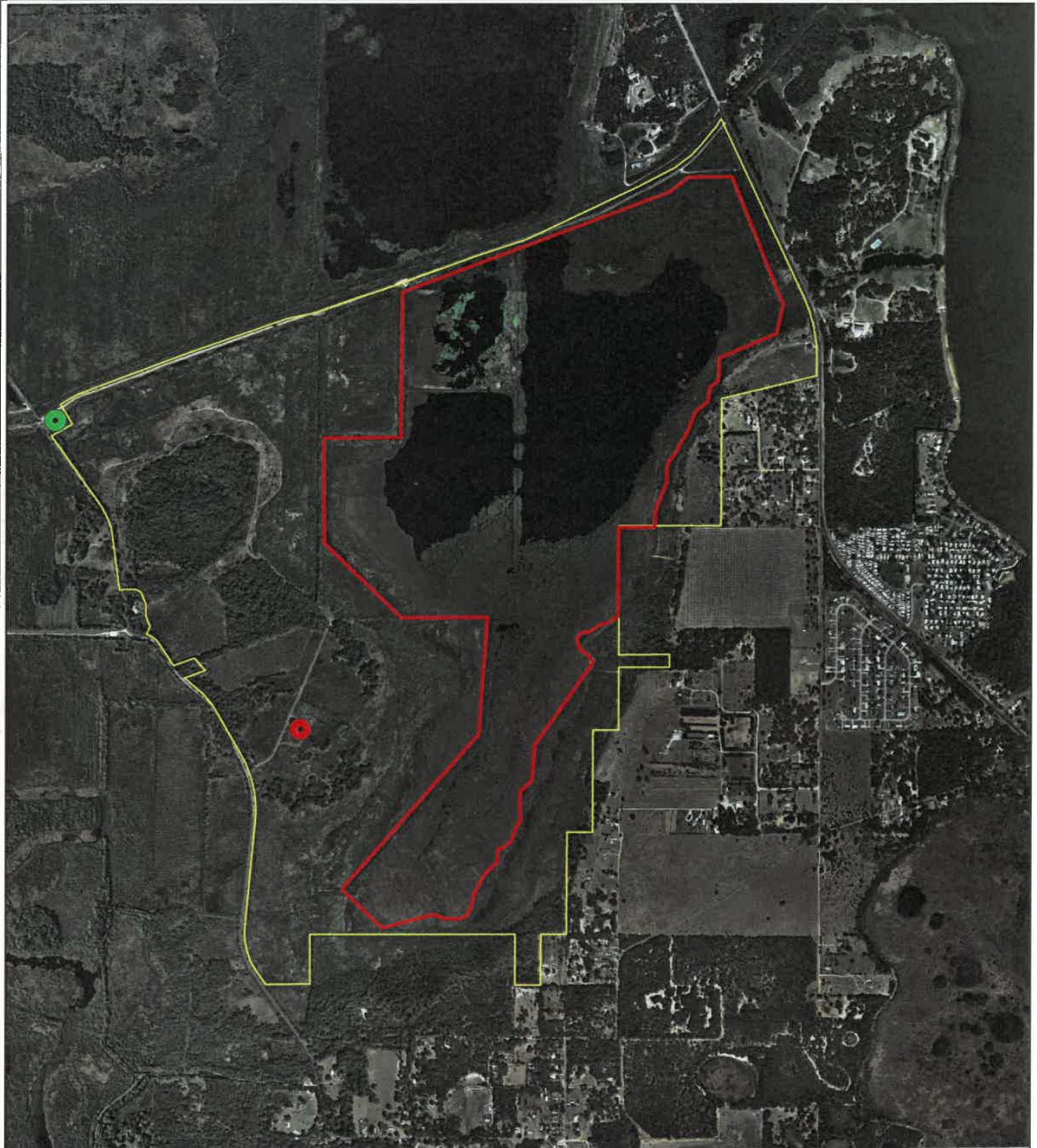
(e) Whenever there is a spill or frac-out of drilling fluid into waters accessible to the above species during a directional drilling operation, the FWC shall be notified at [ImperiledSpecies@myfwc.com](mailto:ImperiledSpecies@myfwc.com) with details of the event within 24 hours following detection of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





**FIGURE 2**  
**EMCA LEASE AREA**  
**2014 TRUE COLOR AERIAL**  
**LAKE COUNTY, FLORIDA**

1 inch = 1,700 feet

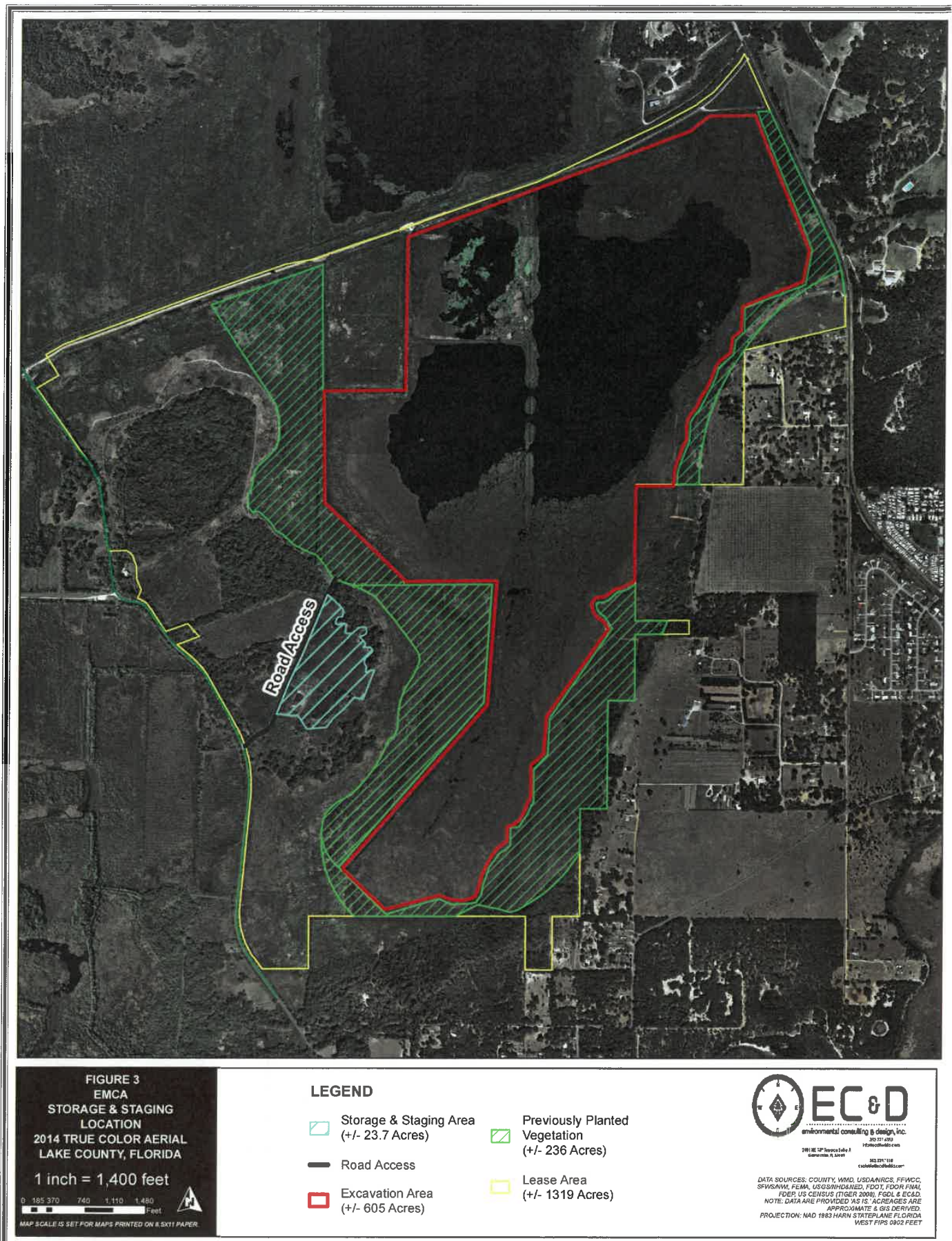
0 250 500 1,000 1,500 2,000 Feet  
 MAP SCALE IS SET FOR MAPS PRINTED ON 8.5X11 PAPER

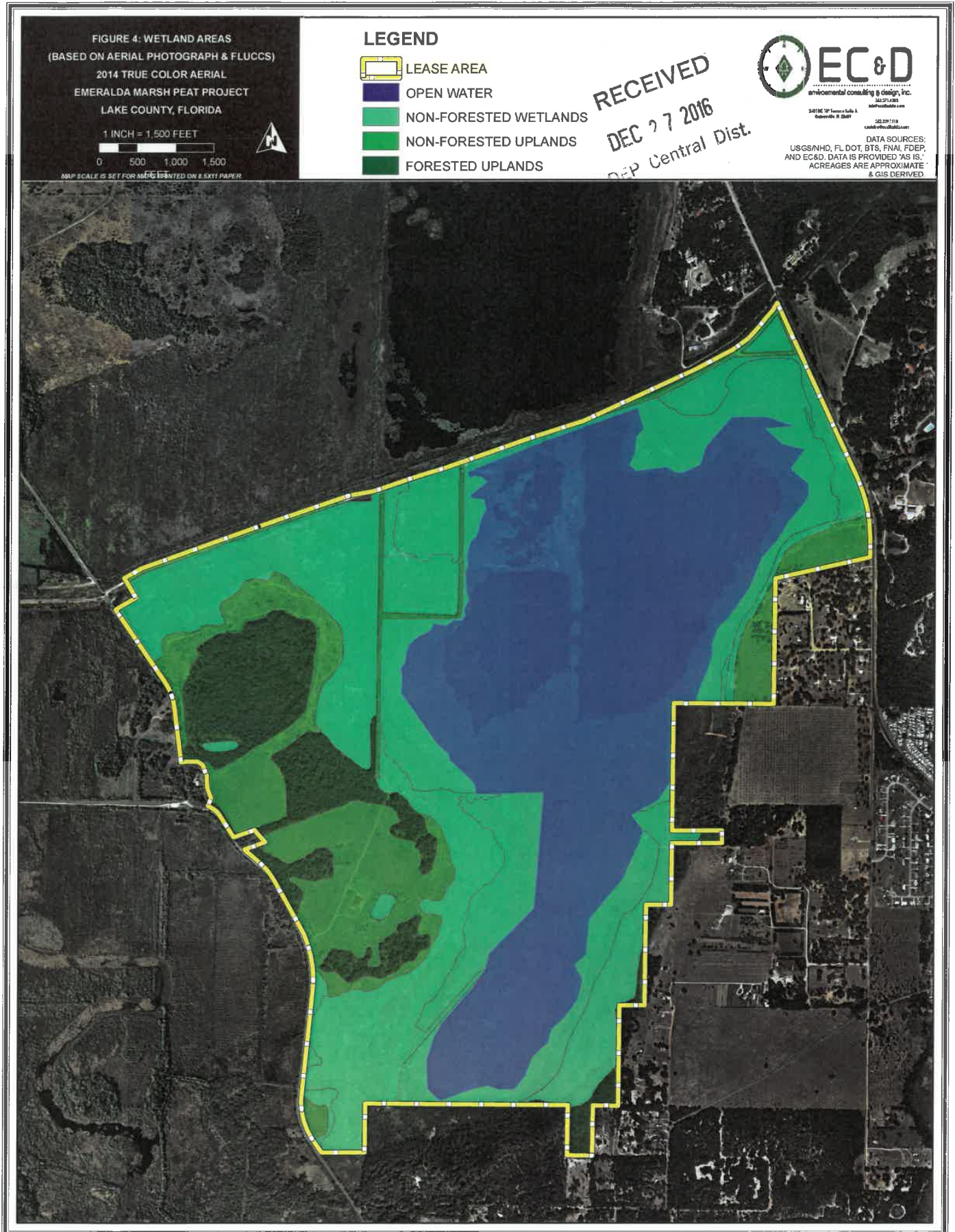
#### LEGEND

- Existing Building
- SJRWMD Pump Location
- Excavation Area (+/- 605 Acres)
- Lease Area (+/- 1319 Acres)



DATA SOURCES: COUNTY, WMG, USDA/NRCS, FFWCC, SPURS/WFL, FEMA, USGS/NOAA, FDOT, FDOT/FMVA, FDOT, US CENSUS (TIGER 2008), FDOT & EC&D.  
 NOTE: DATA ARE PROVIDED "AS IS." ACRES ARE APPROXIMATE & GIS DERIVED.  
 PROJECTION: NAD 1983 HARN STATEPLANE FLORIDA WEST FIPS 0802 FEET

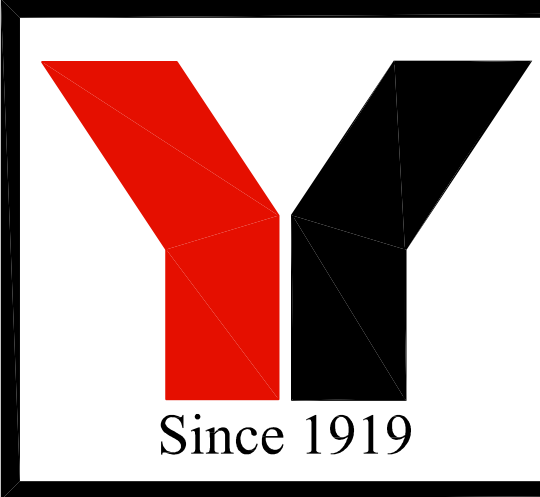




# EMERALDA MARSH

# CONSTRUCTION PLANS

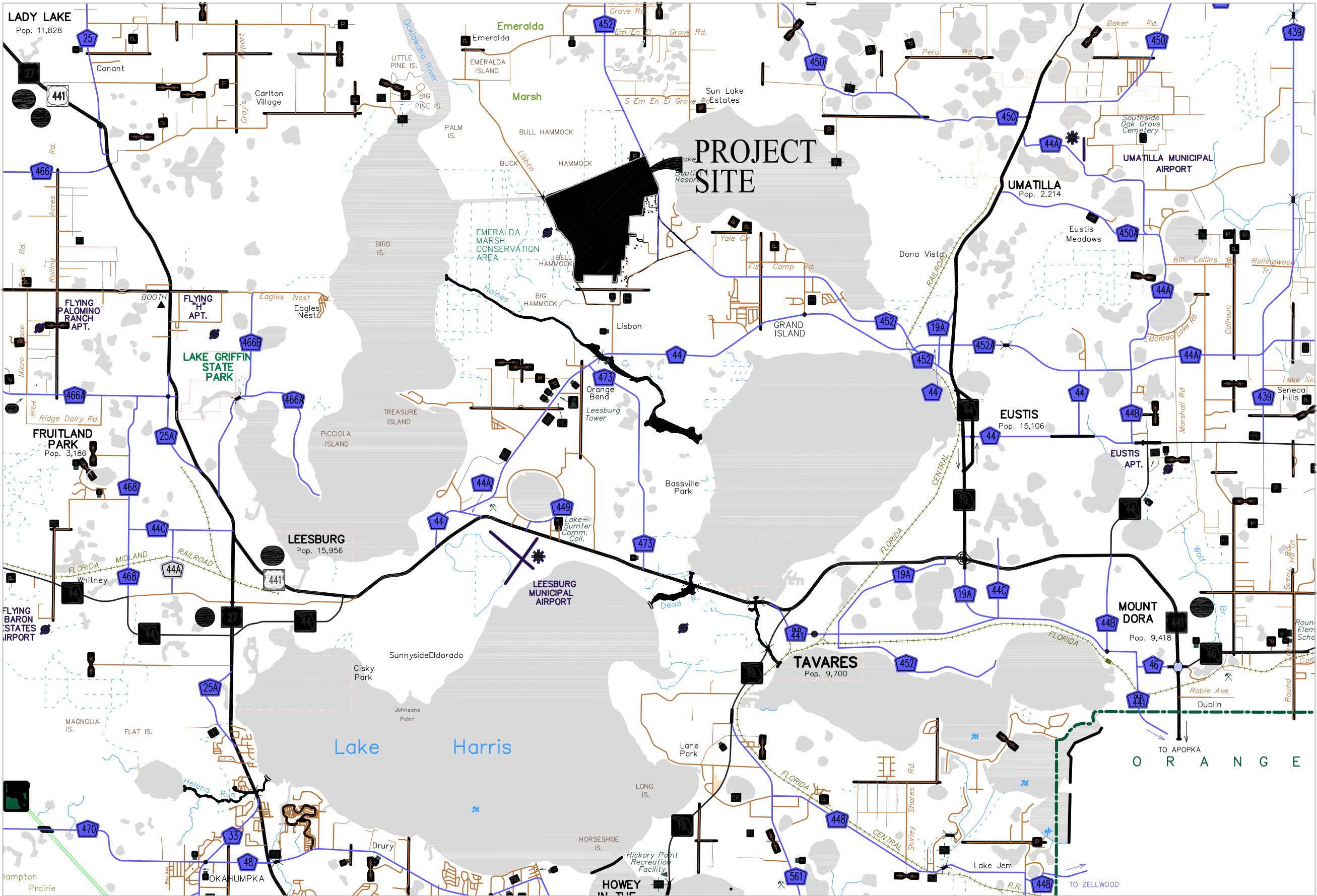
SECTIONS 14-22-23-26-27,TOWNSHIP 18 SOUTH, RANGE 25 EAST



**George F. Young, Inc.**

1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429  
PHONE (352) 378-1444 FAX (352) 372-2502  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CIVIL & TRANSPORTATION ENGINEERING | ECOLOGY | GIS | LANDSCAPE ARCHITECTURE  
PLANNING | SURVEYING | SUBSURFACE UTILITY ENGINEERING  
GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA

PROJECT NO. 15015700GC



**SITE MAP**  
SCALE: 1" = 2000'

Sheet List	
Sheet Number	Sheet Title
C0.00	COVER
C1.0	OVERALL SITE PLAN
C1.1	SITE PLAN
C1.2	SITE PLAN
C1.3	SITE PLAN
C1.4	SITE PLAN
C1.5	SITE PLAN
C1.5A	EXISTING HOLDING POND DETAIL
C1.6	SITE PLAN
C1.7	SITE PLAN
C1.8	SITE PLAN
C1.9	SITE PLAN
C1.10	SITE PLAN
C1.11	SITE PLAN
C1.12	SITE PLAN
C1.13	SITE PLAN
C1.14	SITE PLAN
C1.15	SITE PLAN
C1.16	SITE PLAN
C1.17	SITE PLAN
C1.18	SITE PLAN
C1.19	SITE PLAN
C1.20	SITE PLAN
C1.21	SITE PLAN
C1.22	SITE PLAN
C1.23	SITE PLAN
C1.24	SITE PLAN
C1.25	SECTIONS
C2.00	DETAILS

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Call before you dig.  
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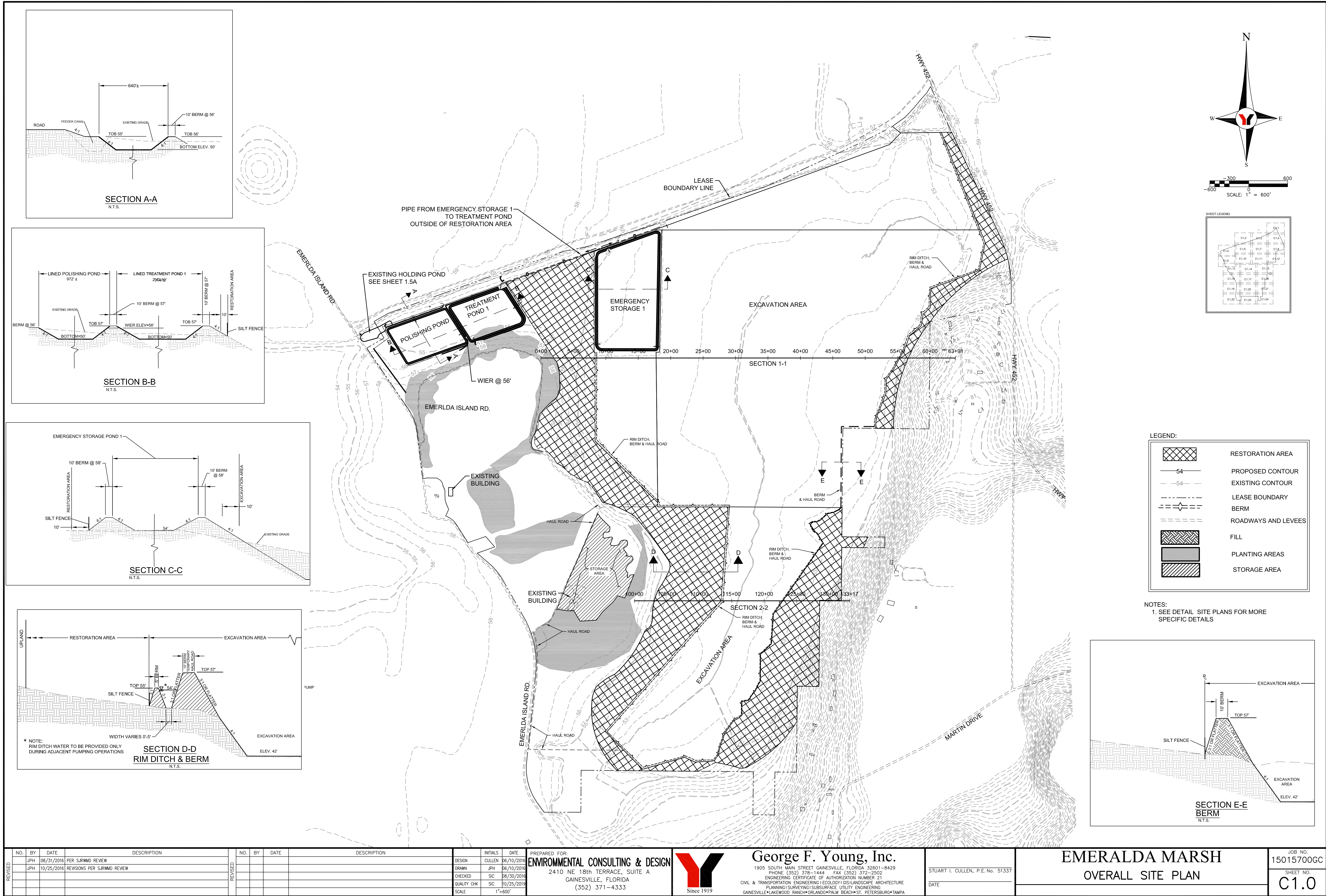
THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION, TYPE, MATERIAL AND DEPTH OF ALL UTILITIES IN THE AREA OF THIS PROJECT (ABOVE AND BELOW GROUND). CONTRACTOR SHALL NOTIFY UTILITY OWNER(S) 48 HOURS PRIOR TO BEGINNING WORK. CONTRACTOR TO NOTIFY ENGINEER OF RECORD OF ANY POTENTIAL UTILITY CONFLICTS PRIOR TO ANY CONSTRUCTION ACTIVITIES.

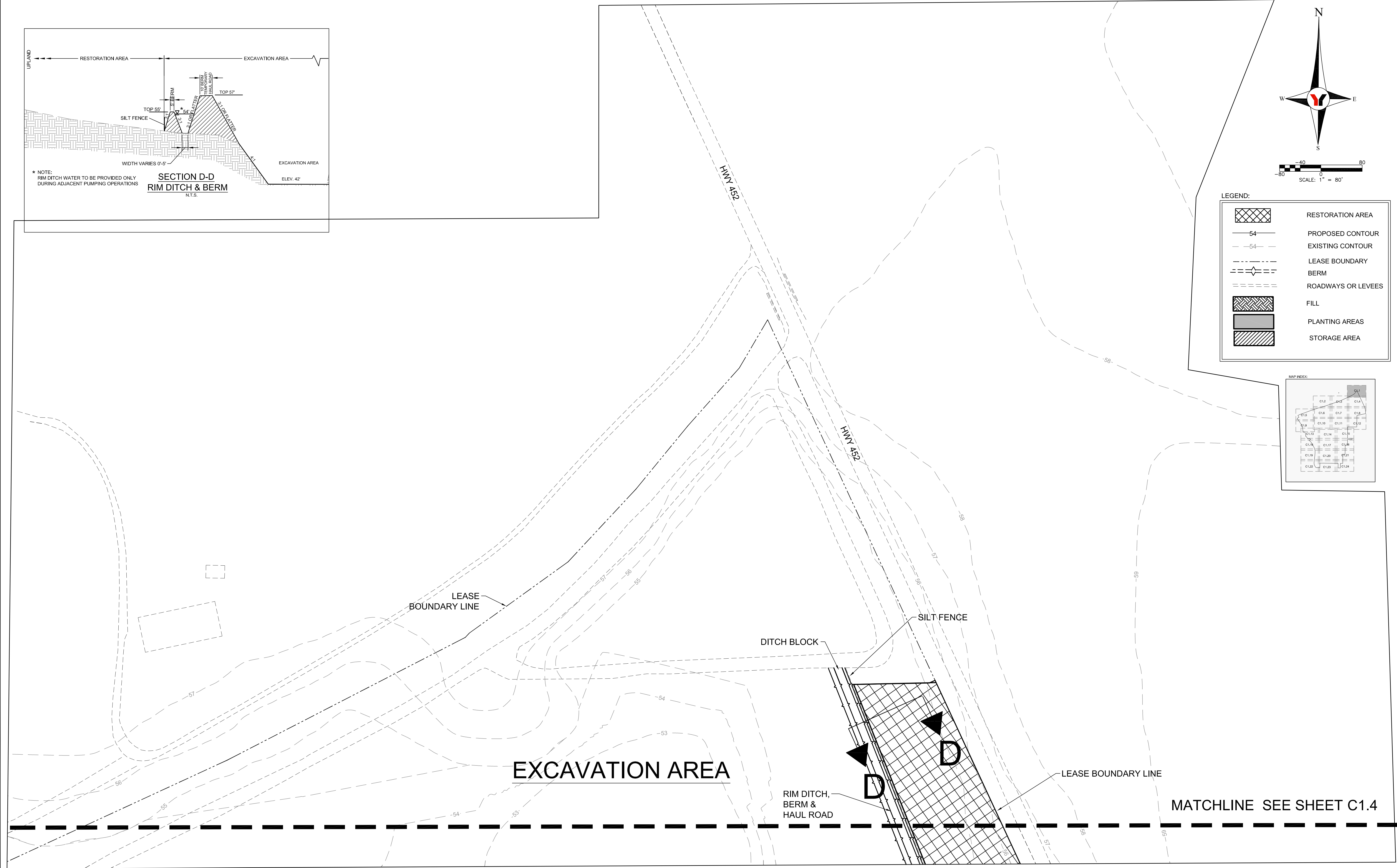
NO.	BY	DATE	DESCRIPTION
1	JPH	08/31/2016	PER SJRWMD REVIEW
1	JPH	10/25/2016	REVISIONS-PER SJRWMD REVIEW




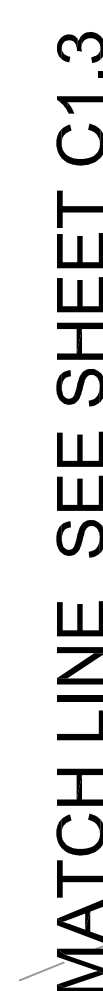
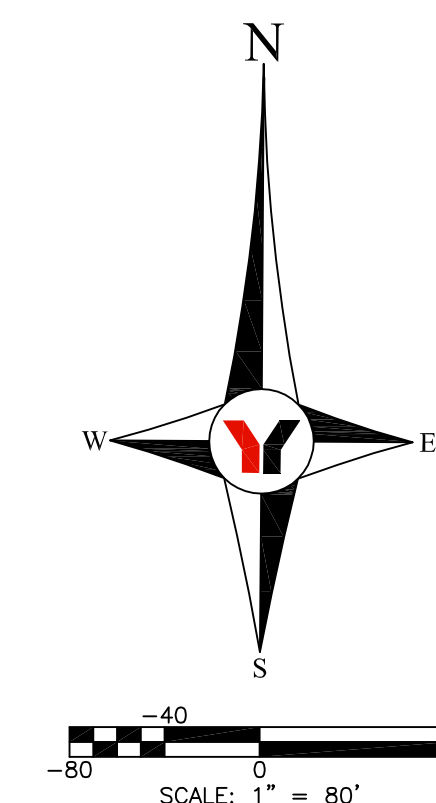
APPROVED \_\_\_\_\_ NO. 51337  
STUART I. CULLEN  
DATE \_\_\_\_\_



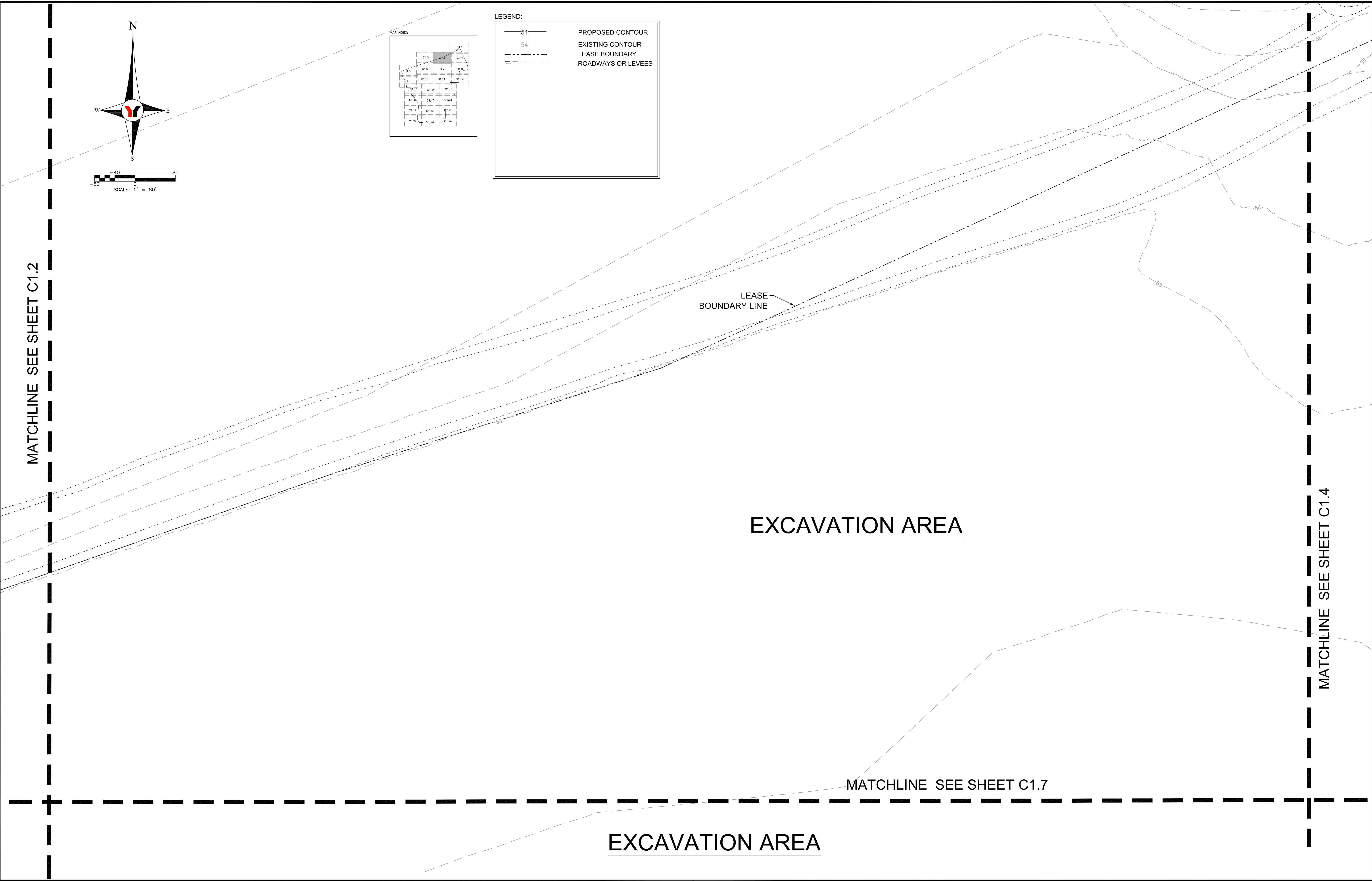




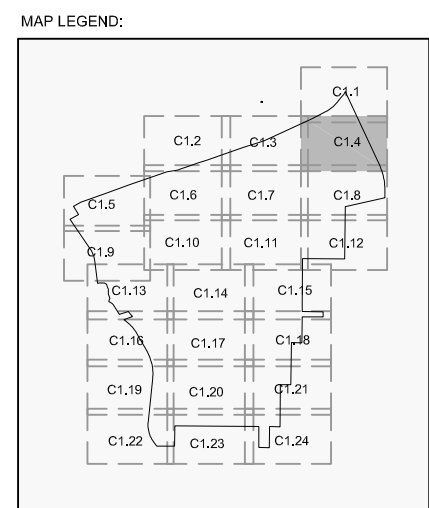
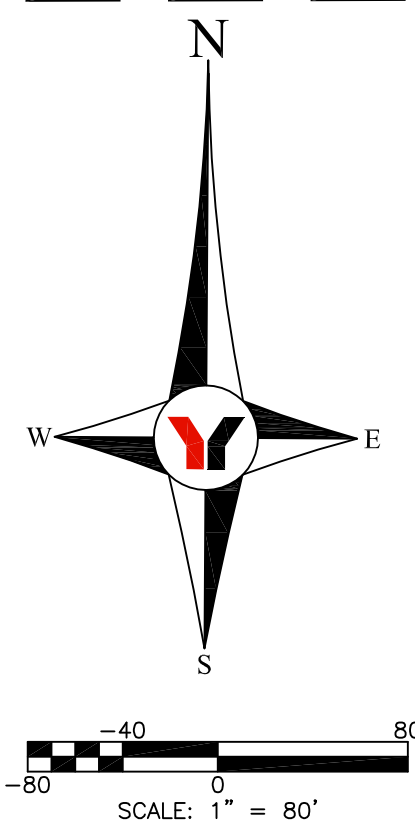
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									SCALE			1"=80'					




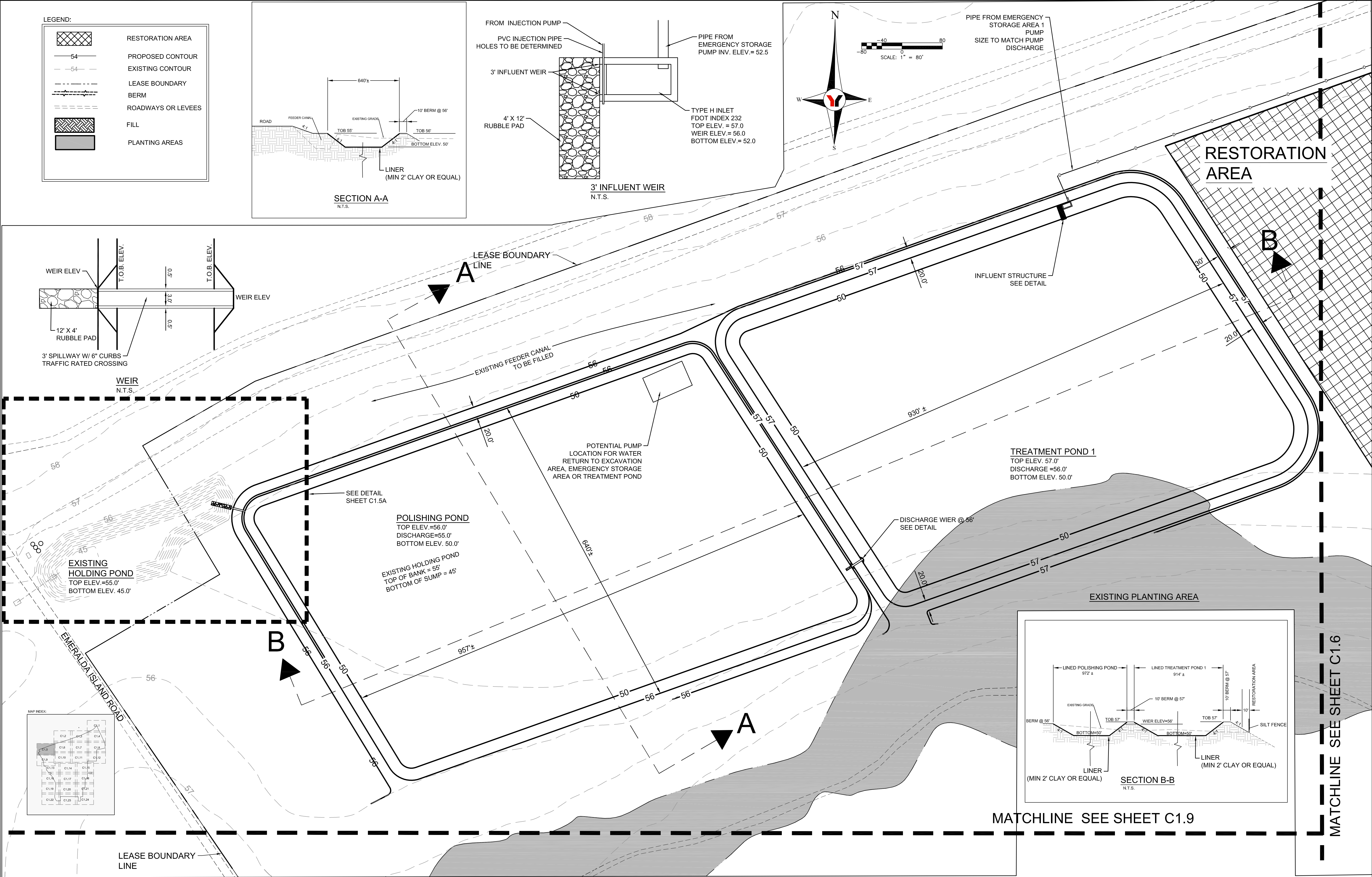
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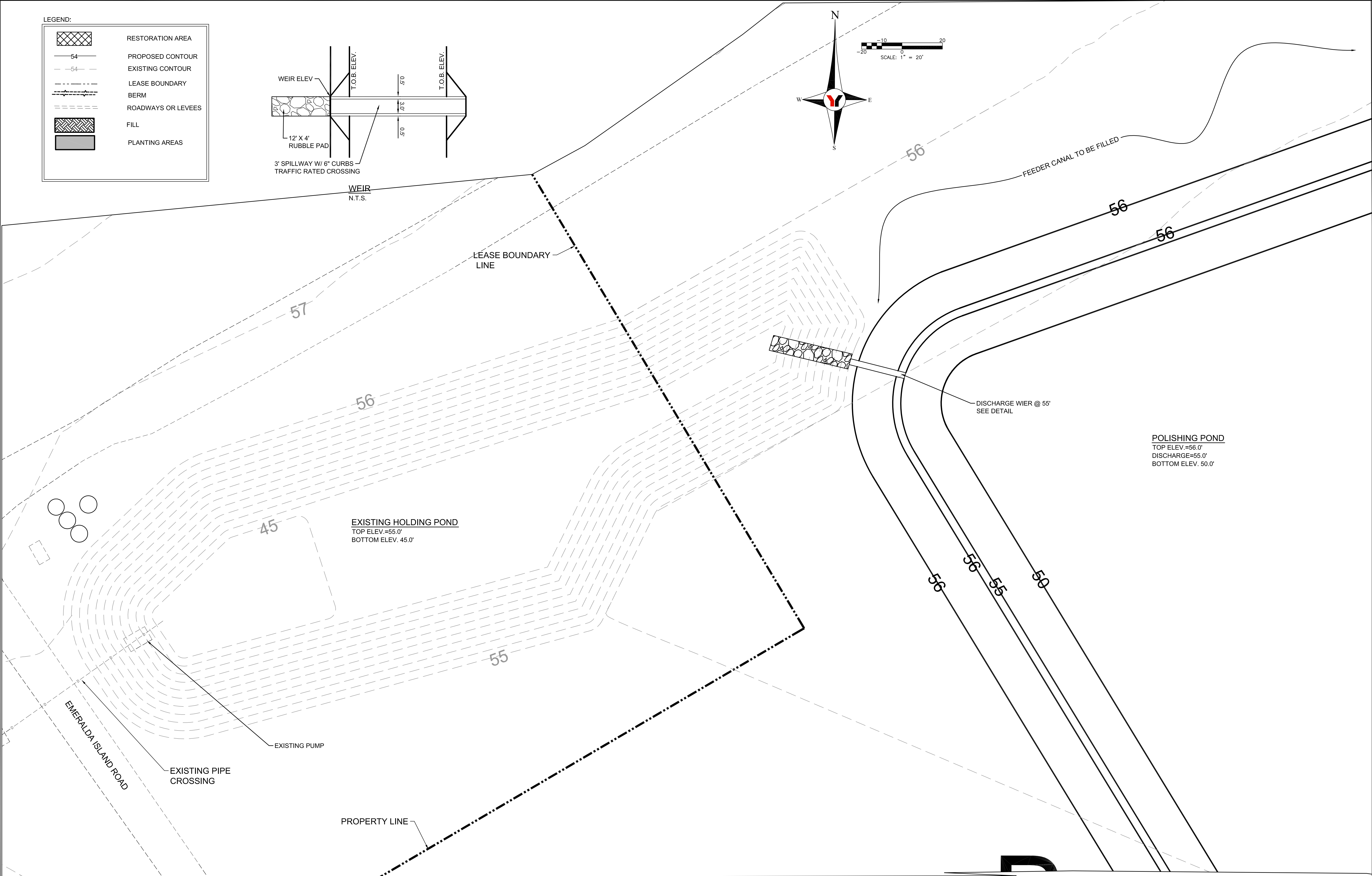


REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR: ENVIRONMENTAL CONSULTING & DESIGN 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	<div><div></div><div>Since 1919</div></div> <div>George F. Young, Inc. 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL &amp; TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA</div>	STUART I. CULLEN, P.E. No. 51337 DATE	EMERALDA MARSH SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700GC SHEET NO. C1.3
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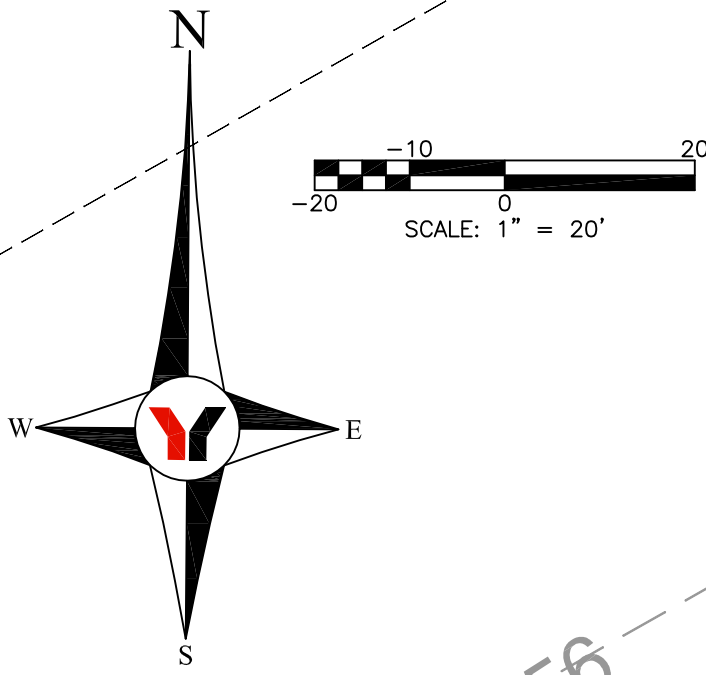
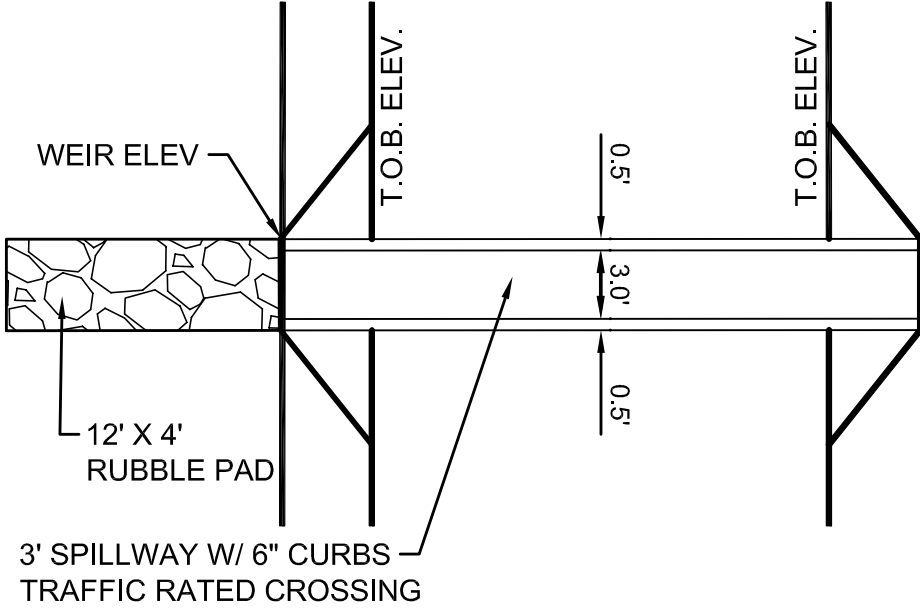
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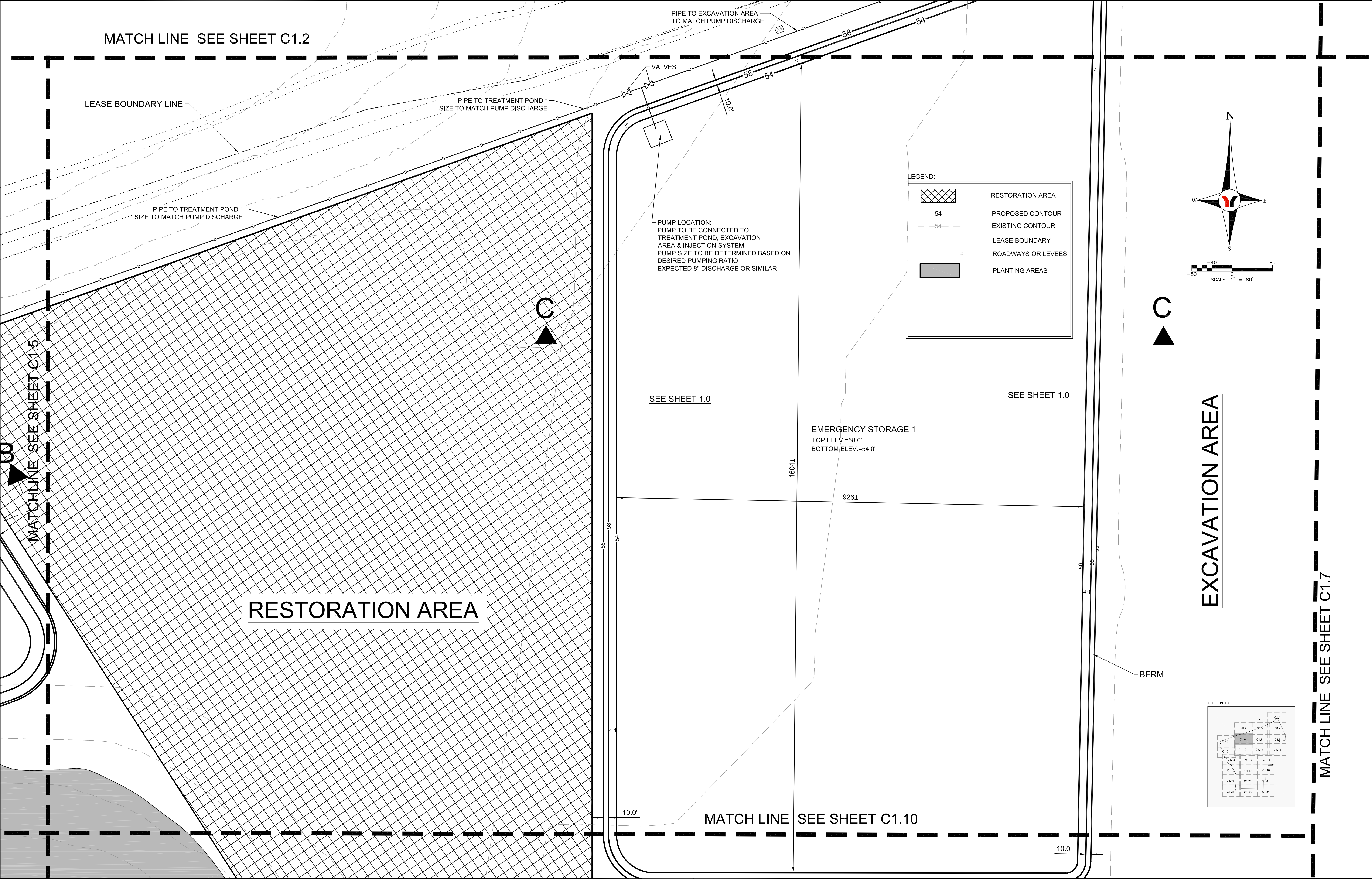
LEGEND:


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	EXISTING CONTOUR
	LEASE BOUNDARY
	BERM
	ROADWAYS OR LEVEES
	FILL
	PLANTING AREAS

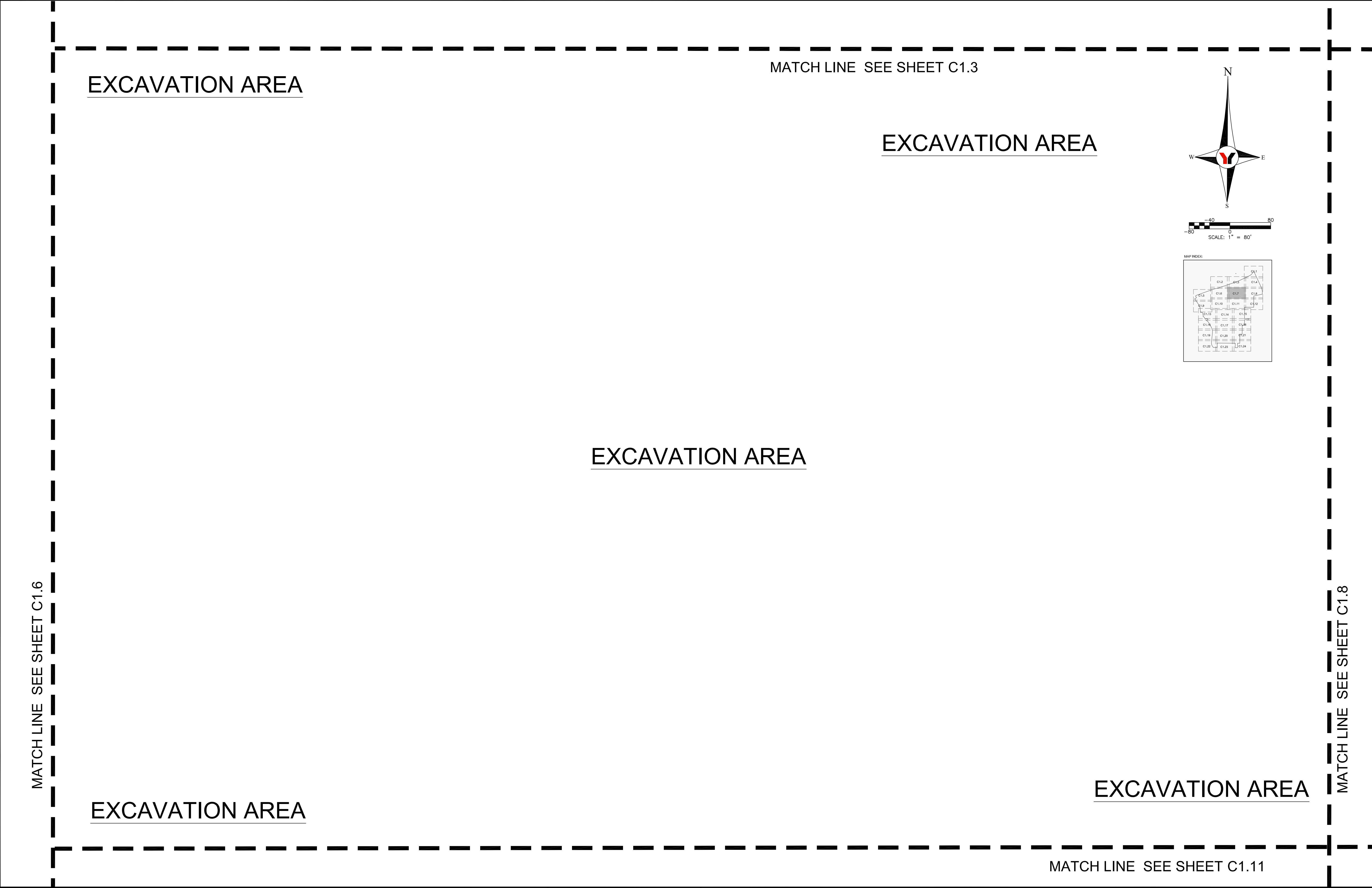



POLISHING POND  
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DISCHARGE=55.0'  
BOTTOM ELEV. 50.0'

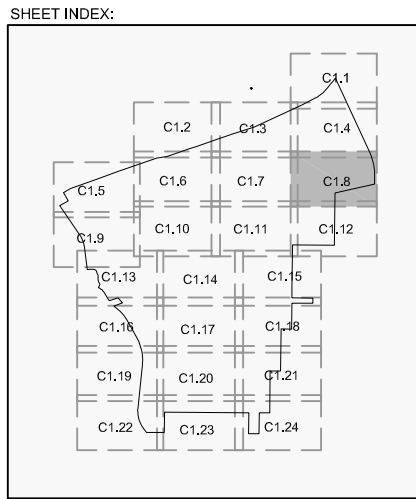
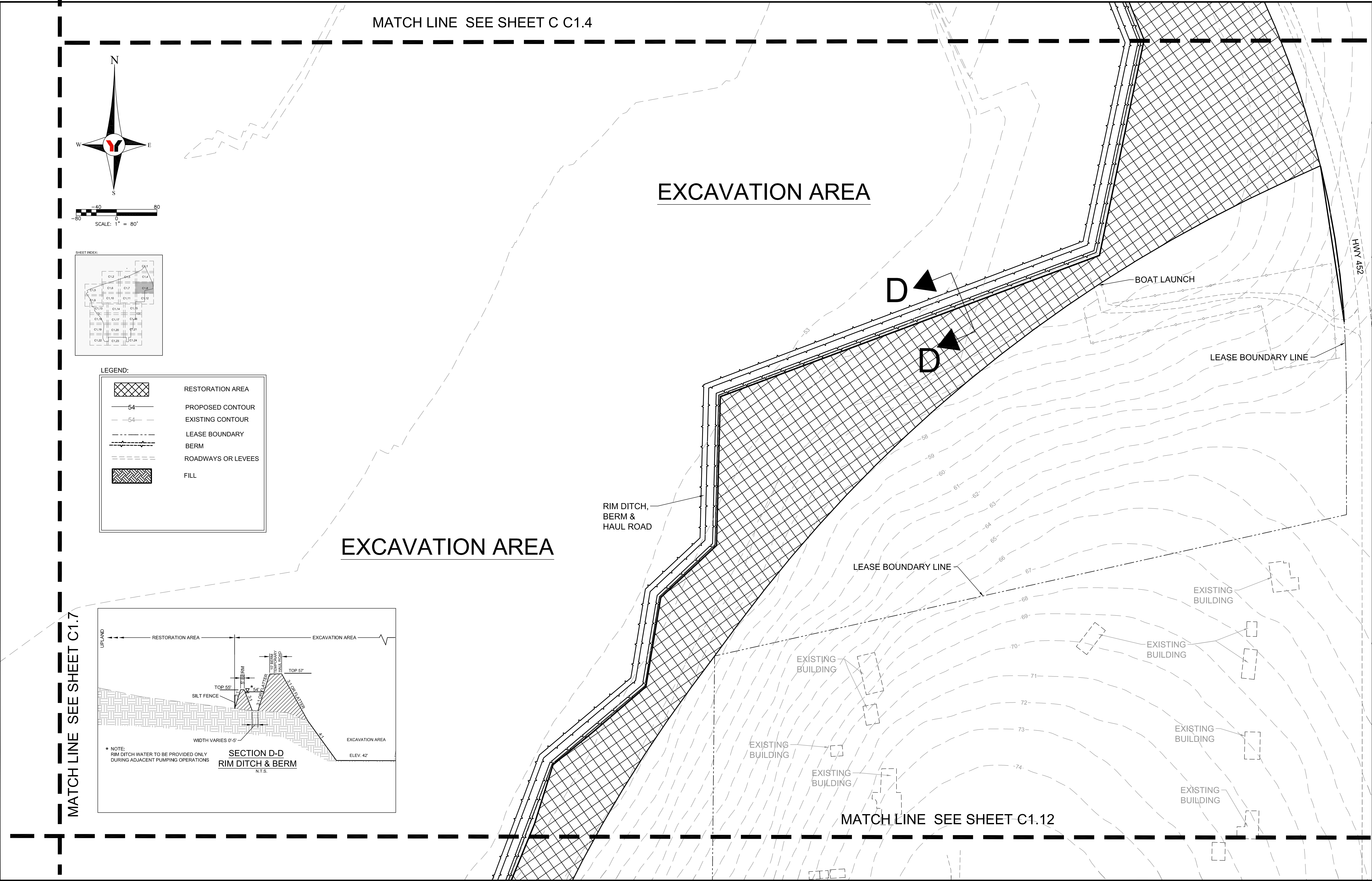
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DESIGN INITIALS DATE				
DRAWN JPH 06/10/2016				
CHECKED SIC 08/30/2016				
QUALITY CHK SIC 10/25/2016				
SCALE 1"=80'				
PREPARED FOR: ENVIRONMENTAL CONSULTING & DESIGN				
2410 NE 18TH TERRANCE, SUITE A				
GAINESVILLE, FLORIDA				
(352) 371-4333				
1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429				
PHONE (352) 378-1444 FAX (352) 372-2502				
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21				
CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE				
PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING				
GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA				
STUART I. CULLEN, P.E. No. 51337				DATE
EMERALDA MARSH				JOB NO. 15015700GC
EXISTING HOLDING POND DETAIL				SHEET NO. C1.5A
SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.				FILED: 10/28/2016 6:23 PM



REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	INITIALS	DATE	PREPARED FOR:	 <b>George F. Young, Inc.</b> 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337  DATE	<b>EMERALDA MARSH</b>  SITE PLAN  SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO.  SHEET NO. <b>C1.6</b>
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	JPH	10/25/2016	REVISIONS PER SJRWMD REVIEW	DRAWN		JPH	06/10/2016									
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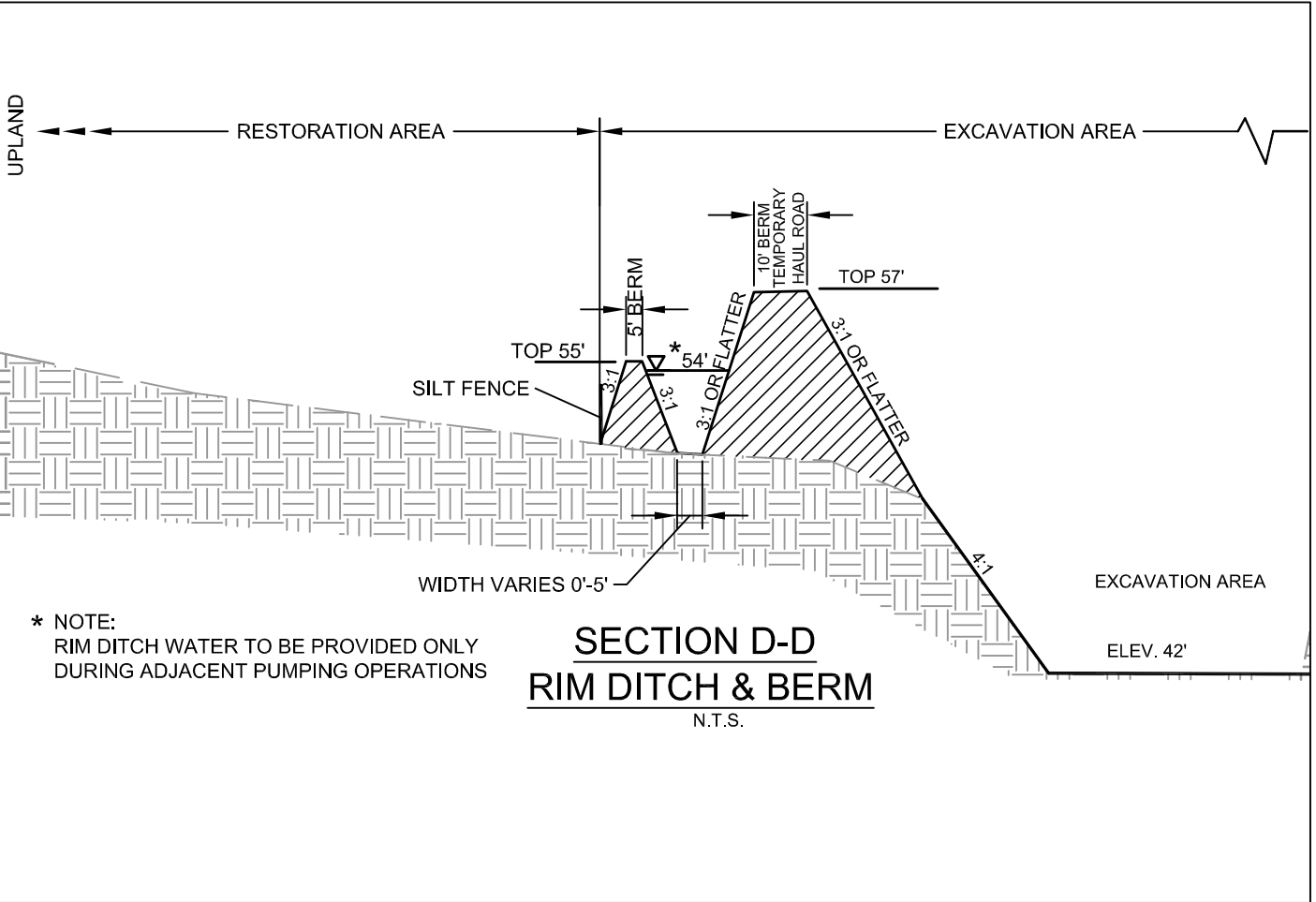
REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION		INITIALS	DATE	PREPARED FOR: <b>ENVIRONMENTAL CONSULTING &amp; DESIGN</b>  2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 <b>George F. Young, Inc.</b> 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS   LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337  DATE _____	<b>EMERALDA MARSH</b>  <b>SITE PLAN</b>  SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700  SHEET NO. <b>C1.7</b>
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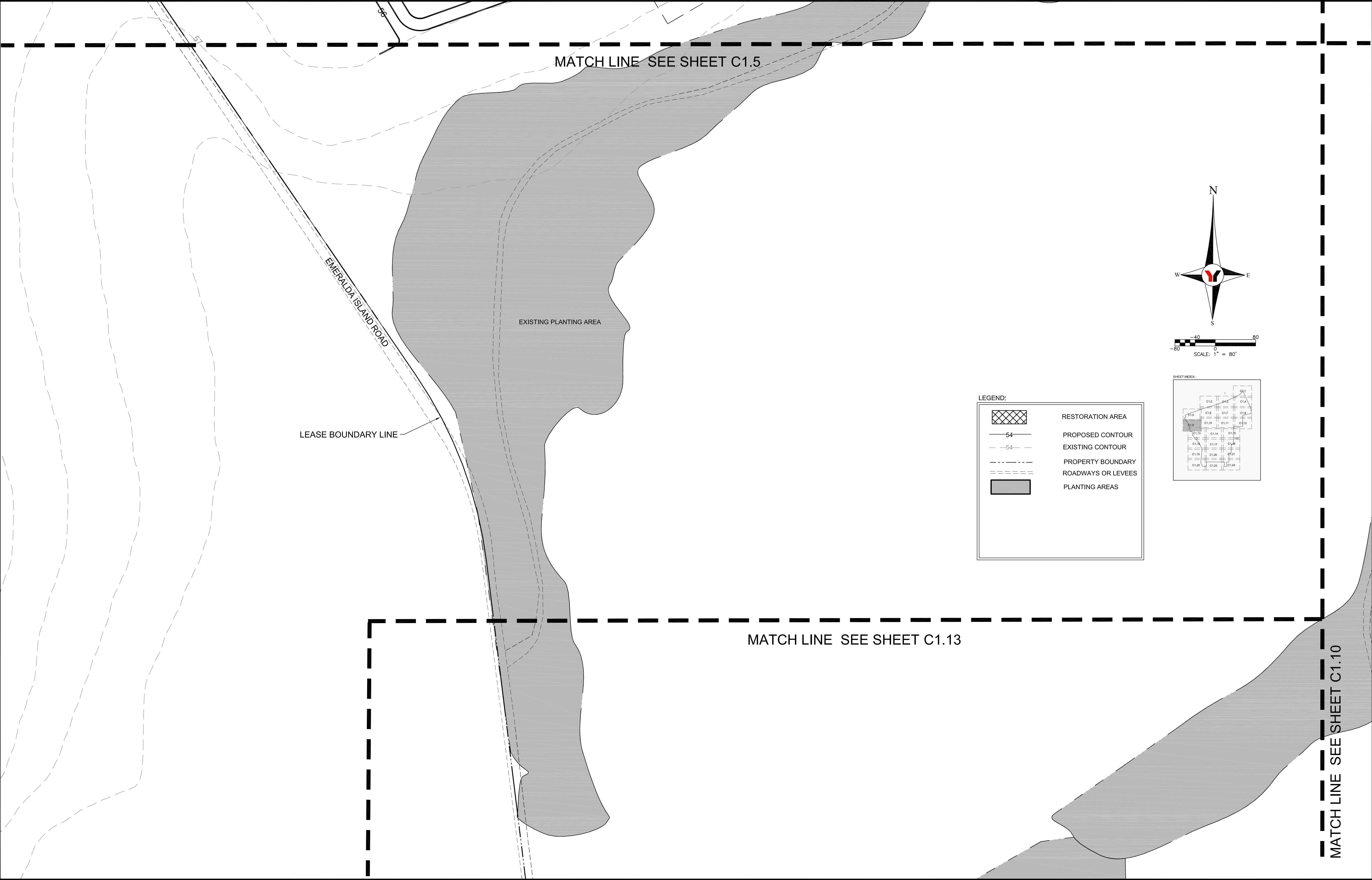
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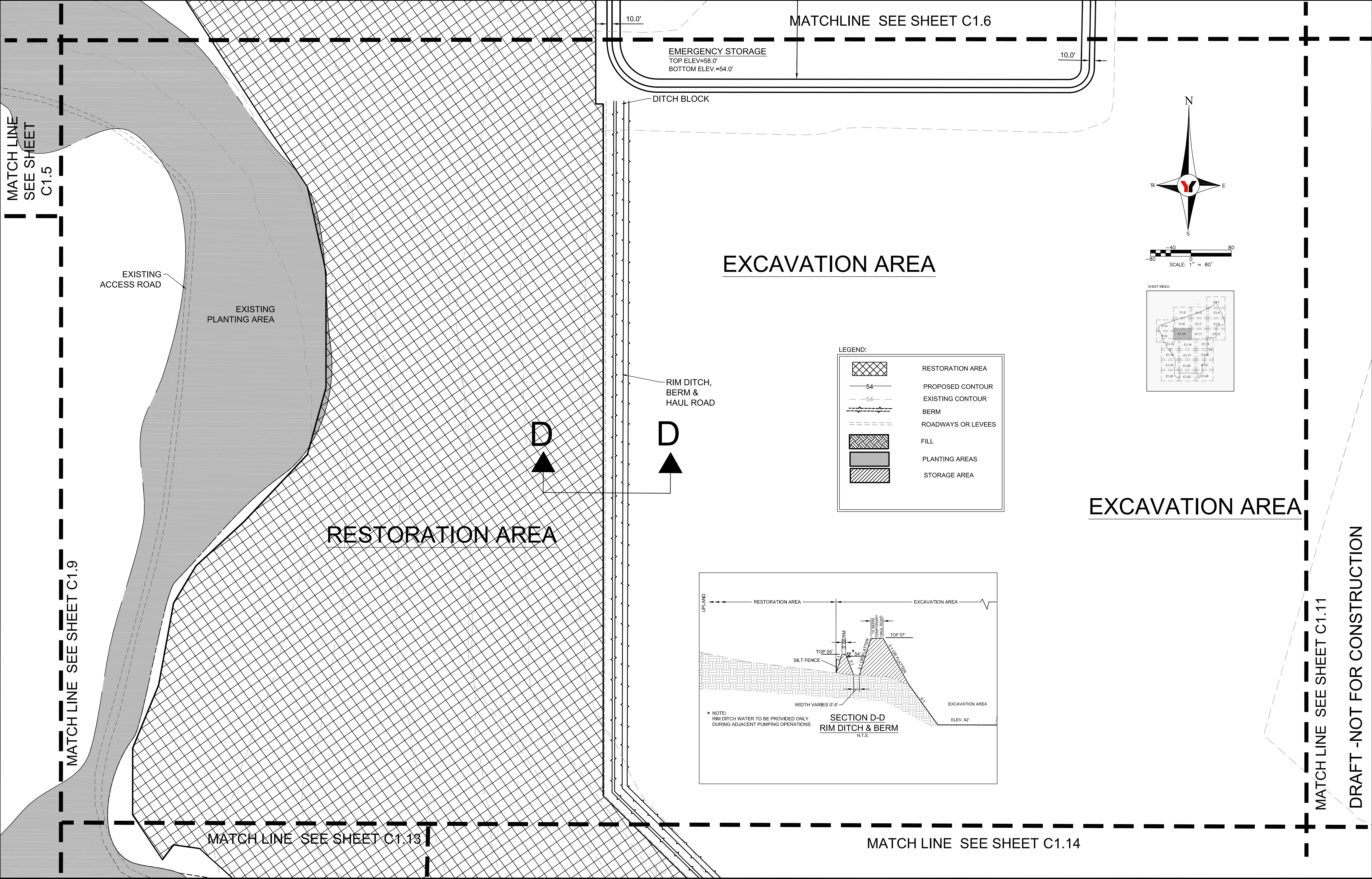
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- PROPOSED CONTOUR
- EXISTING CONTOUR
- LEASE BOUNDARY
- BERM
- ROADWAYS OR LEVEES
- FILL

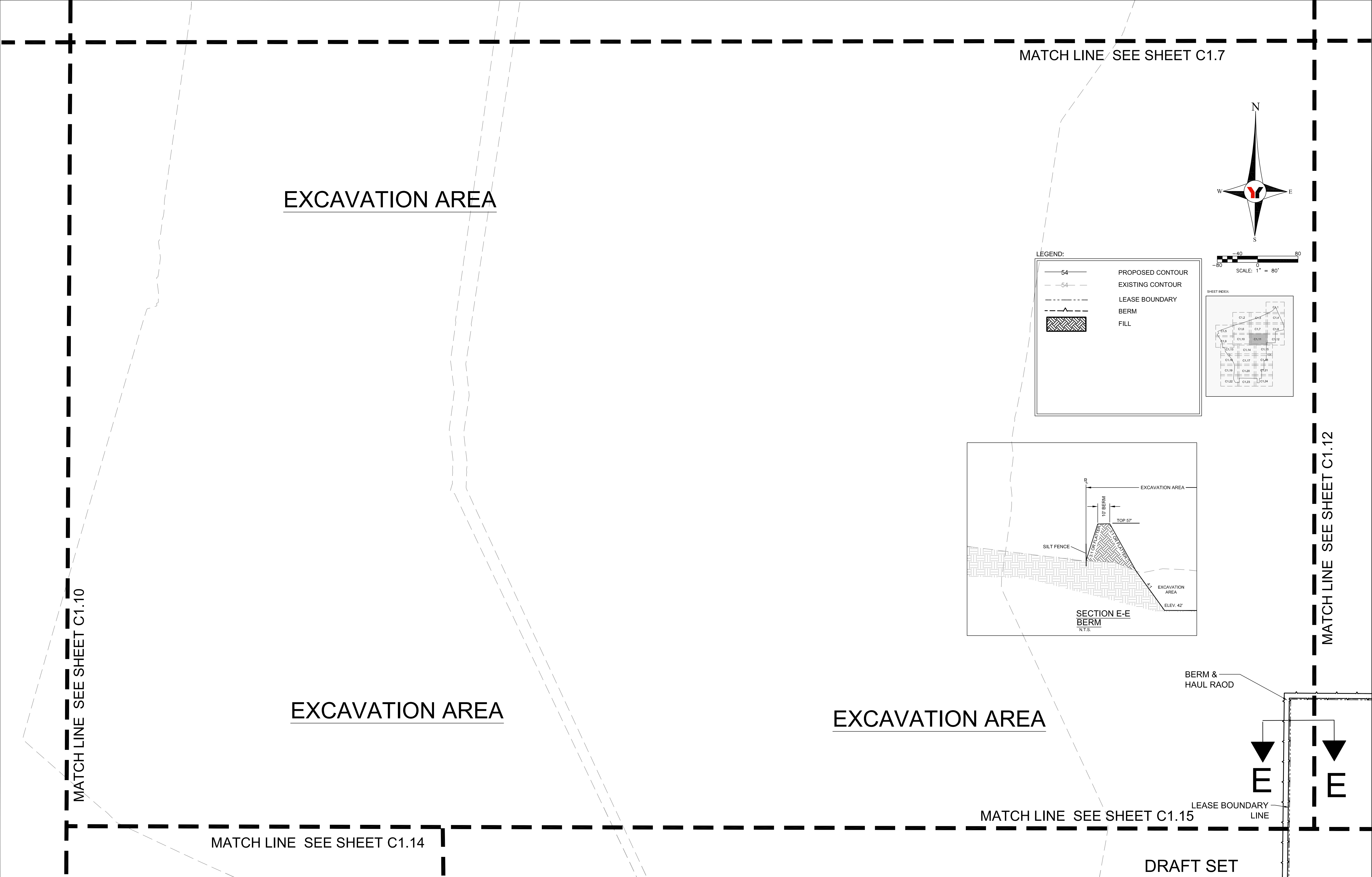
MATCH LINE SEE SHEET C1.7




REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION		INITIALS	DATE	PREPARED FOR:	 <b>George F. Young, Inc.</b> 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337  DATE	<b>EMERALDA MARSH</b>  SITE PLAN  SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO.
	JPH	08/31/2016	PER SURFWD REVIEW	DESIGN		CULLEN	06/10/2016	<b>ENVIRONMENTAL CONSULTING &amp; DESIGN</b> 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	15015700GC								
	JPH	10/25/2016	REVISIONS PER SURFWD REVIEW	DRAWN		JPH	06/10/2016		SHEET NO.								
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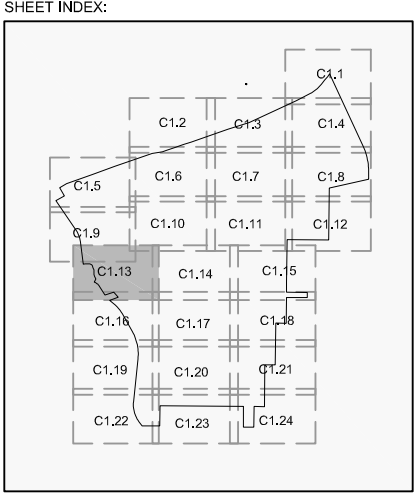






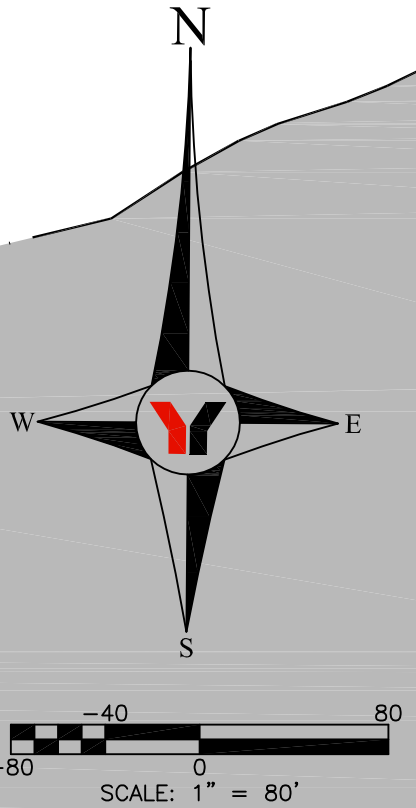
REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR: ENIRONMENTAL CONSULTING & DESIGN 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 George F. Young, Inc. 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART L. CULLEN, P.E. No. 51337 DATE _____	EMERALDA MARSH SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700GC SHEET NO. C1.11
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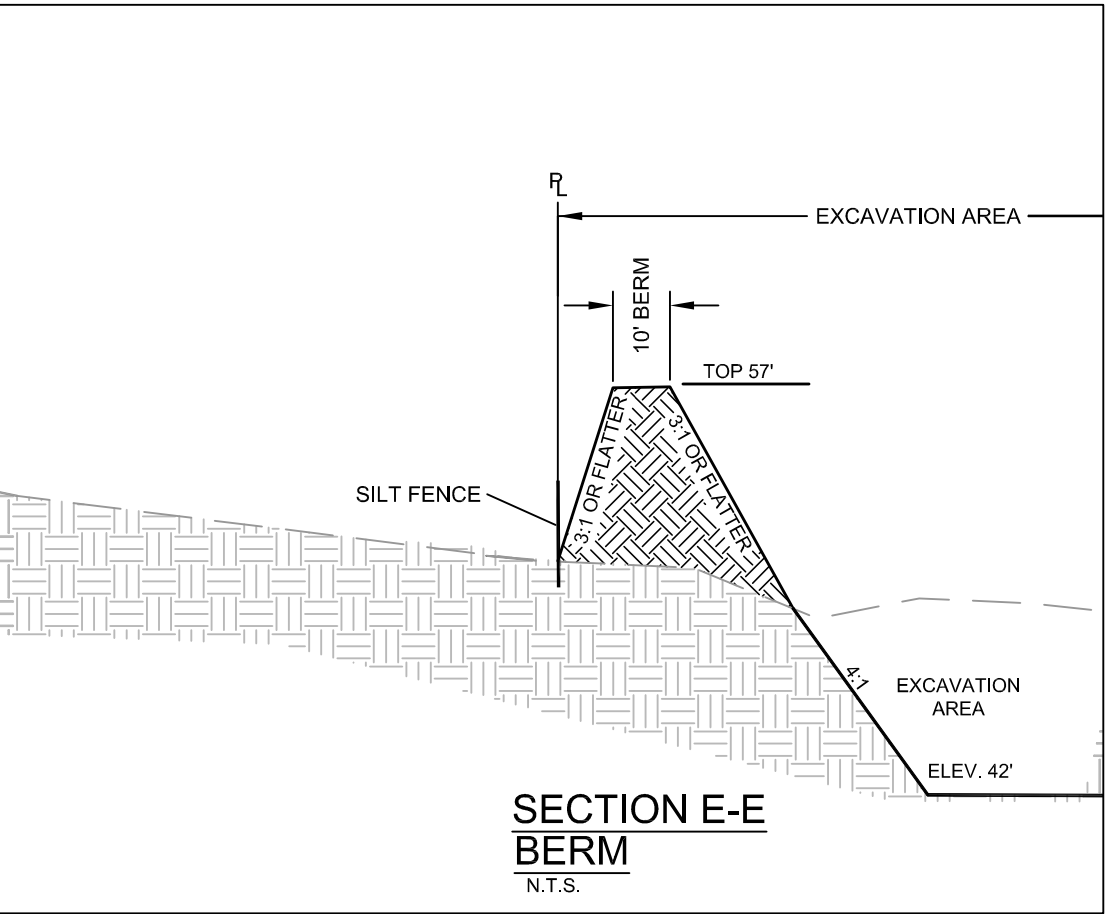
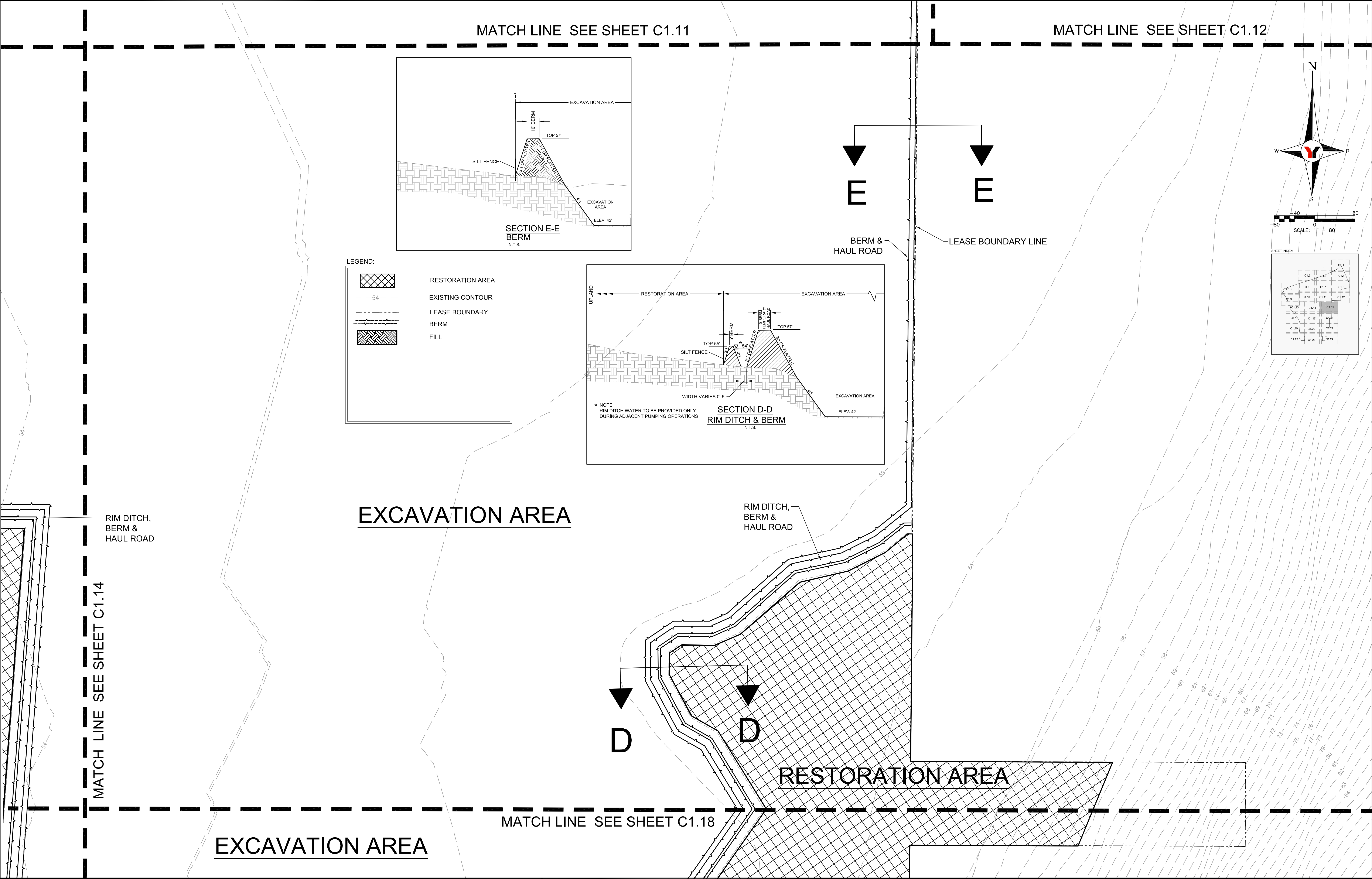
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	PROPOSED CONTOUR
	EXISTING CONTOUR
	LEASE BOUNDARY
	BERM
	ROADWAYS OR LEVEES
	PLANTING AREAS



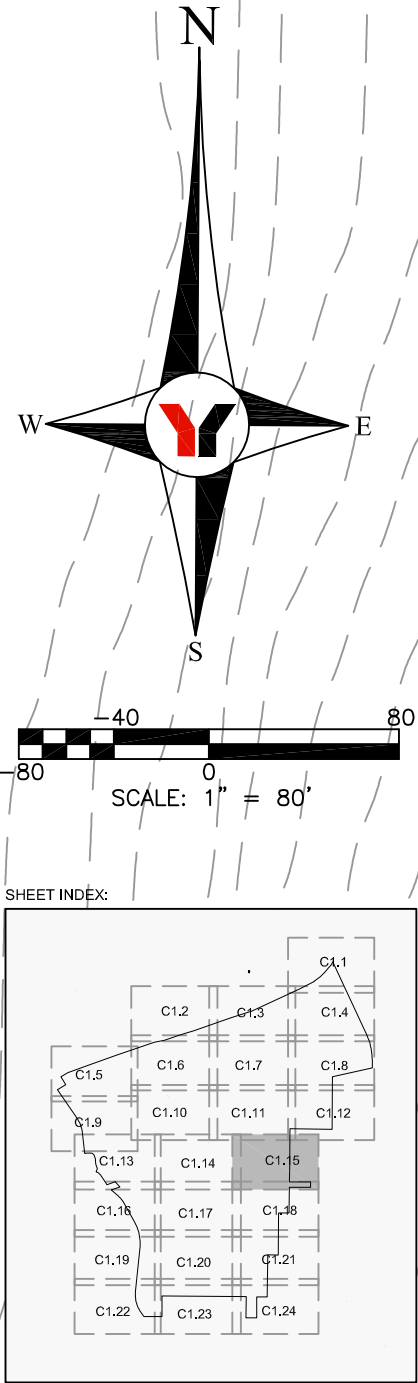
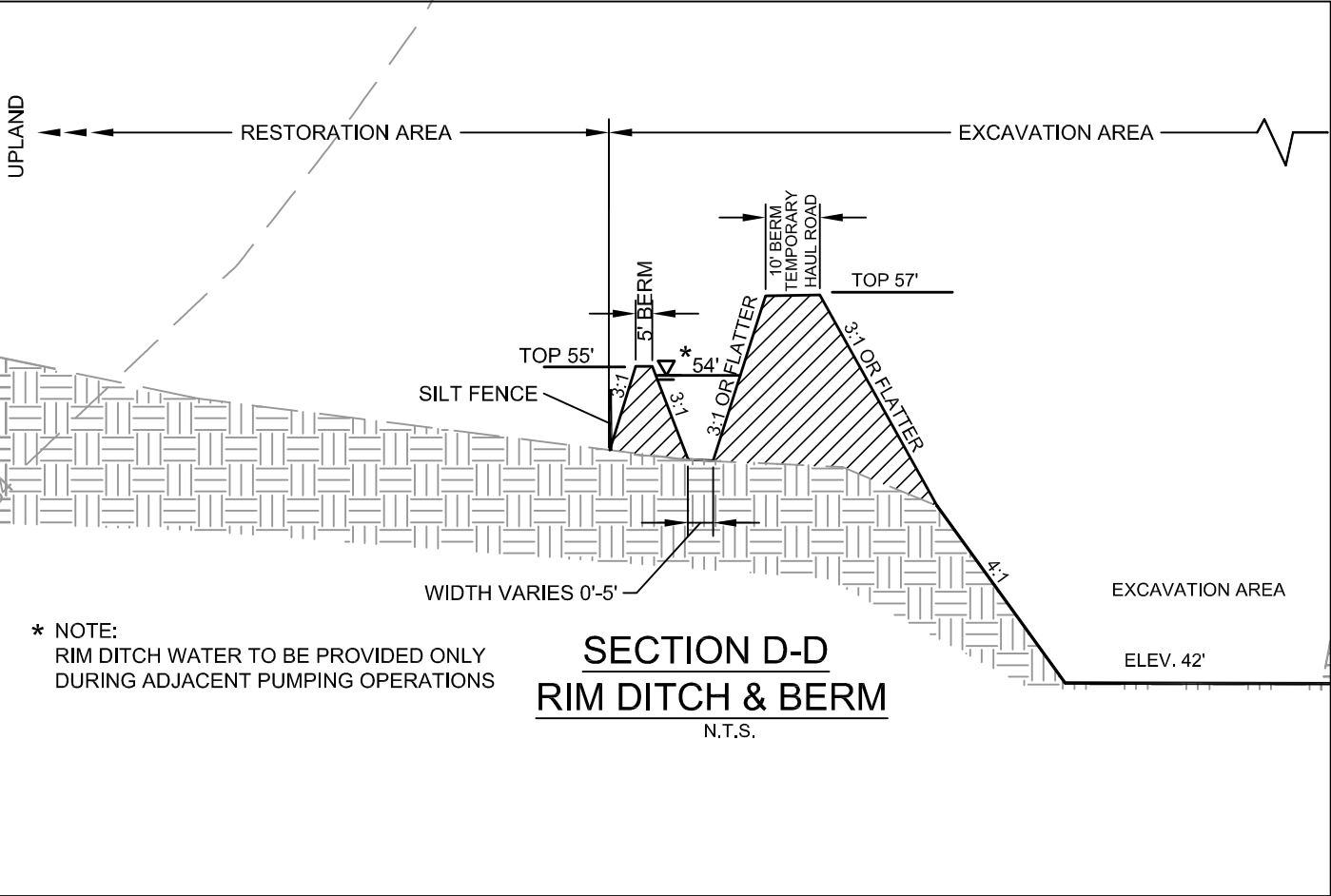
REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR: <b>ENIRONMENTAL CONSULTING &amp; DESIGN</b>  2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 <b>George F. Young, Inc.</b> 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE: (352) 378-1444 FAX: (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART L. CULLEN, P.E. No. 51337  DATE	<b>EMERALDA MARSH</b>  SITE PLAN  SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700GC  SHEET NO. <b>C1.13</b>
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										SCALE	1" = 80'						



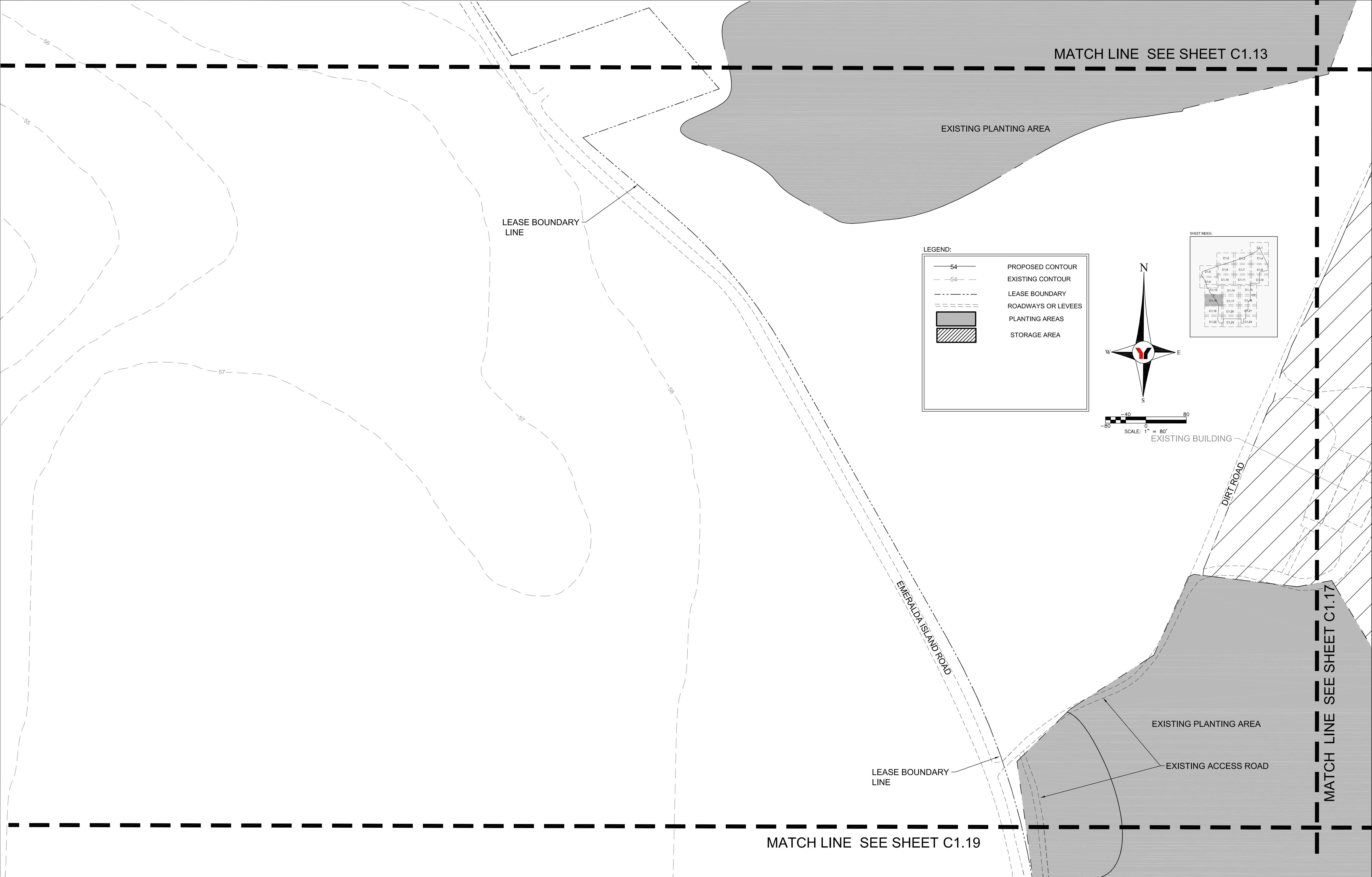



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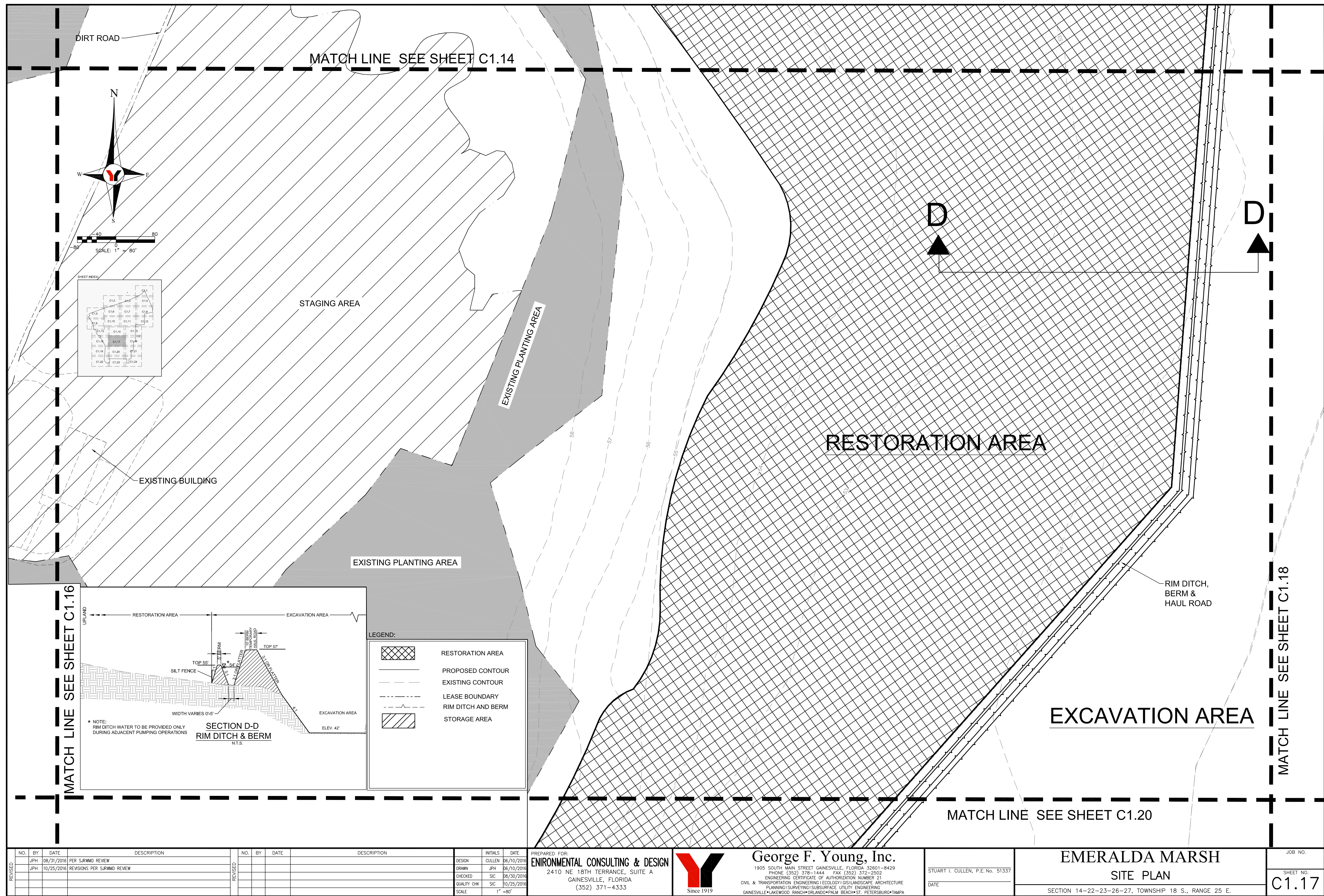
	RESTORATION AREA
	EXISTING CONTOUR
	LEASE BOUNDARY
	BERM
	FILL

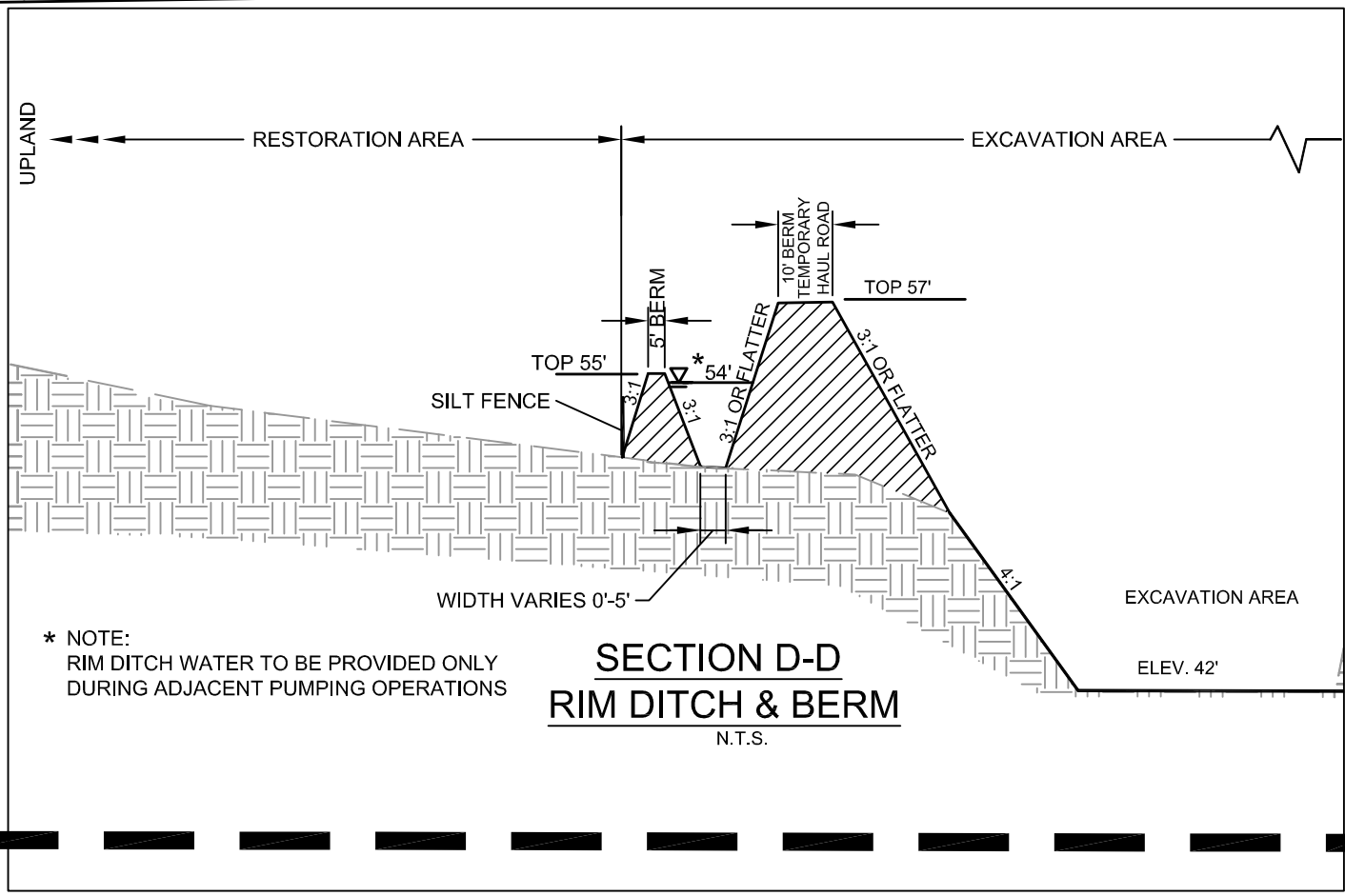
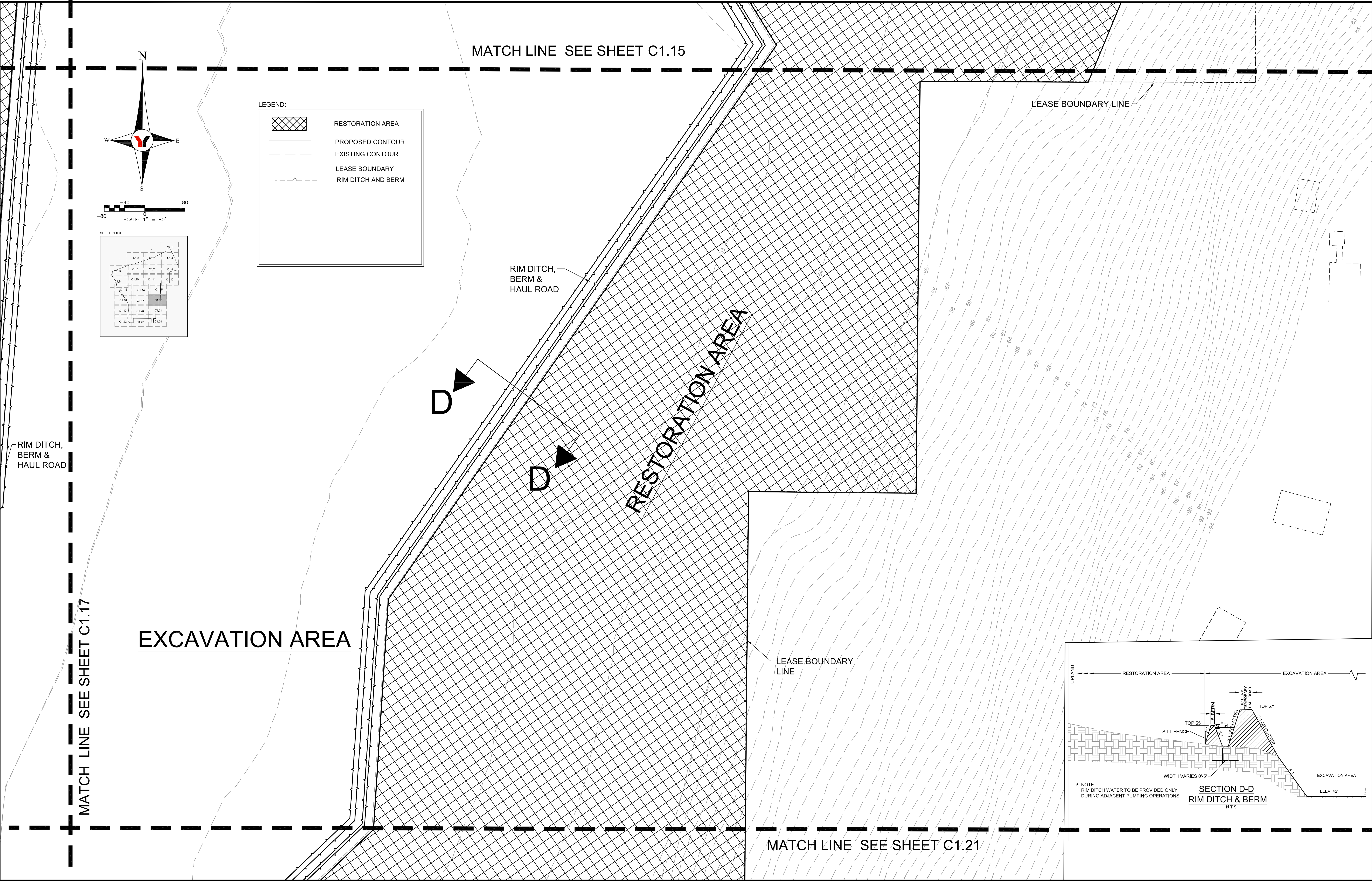



REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR: ENVIRONMENTAL CONSULTING & DESIGN 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 George F. Young, Inc. 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337 DATE	EMERALDA MARSH SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. SHEET NO. C1.15
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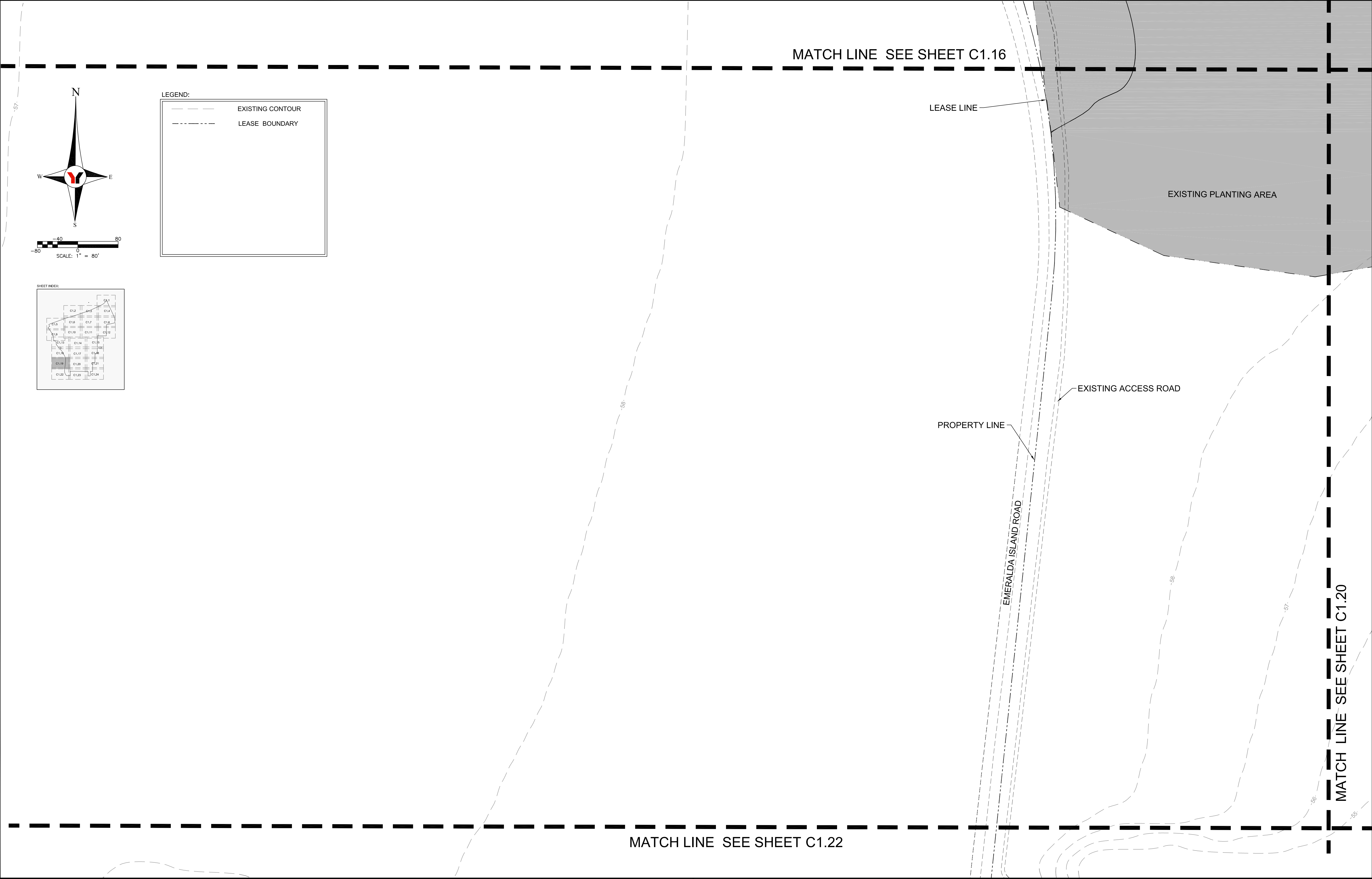



REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN CULLEN 06/10/2016	INITIALS JPH 06/10/2016	DATE 06/10/2016	PREPARED FOR: ENIRONMENTAL CONSULTING & DESIGN 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 <div>George F. Young, Inc. 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL &amp; TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA</div>	STUART L. CULLEN, P.E. No. 51337 DATE	EMERALDA MARSH SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700GC SHEET NO. C1.16
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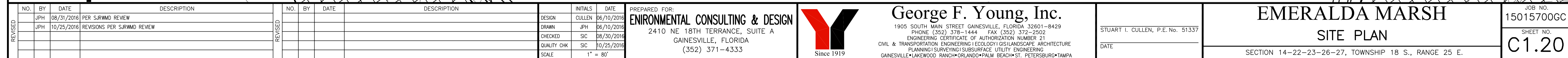


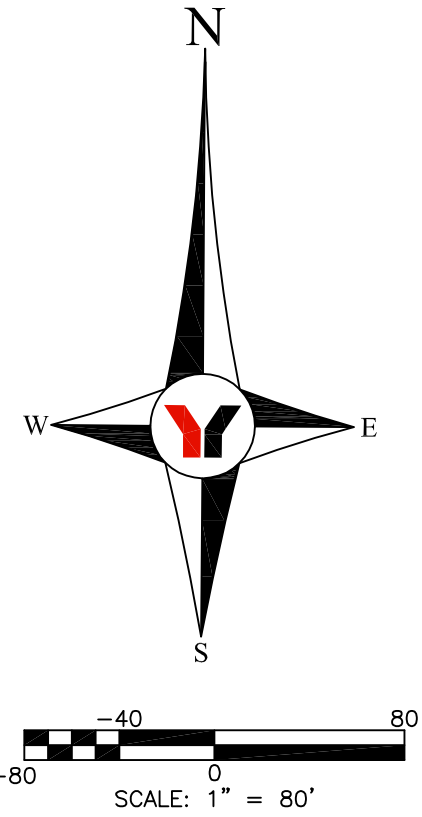
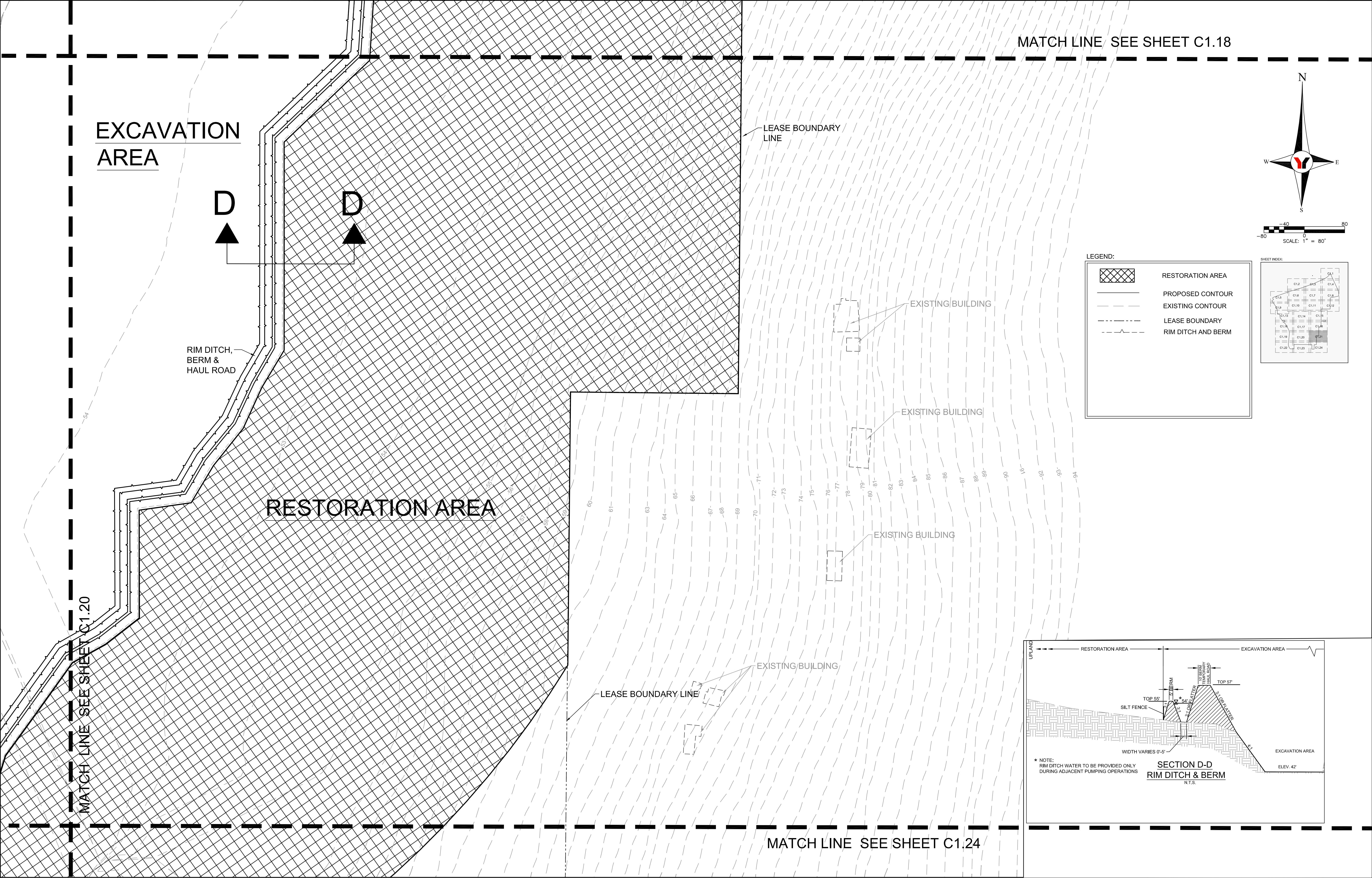


REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR: ENVIRONMENTAL CONSULTING & DESIGN 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 George F. Young, Inc. 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337 DATE	EMERALDA MARSH SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700GC SHEET NO. C1.18
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		JPH	10/25/2016	REVISIONS PER SJRWMD REVIEW							JPH	06/10/2016					
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											SIC	10/25/2016					
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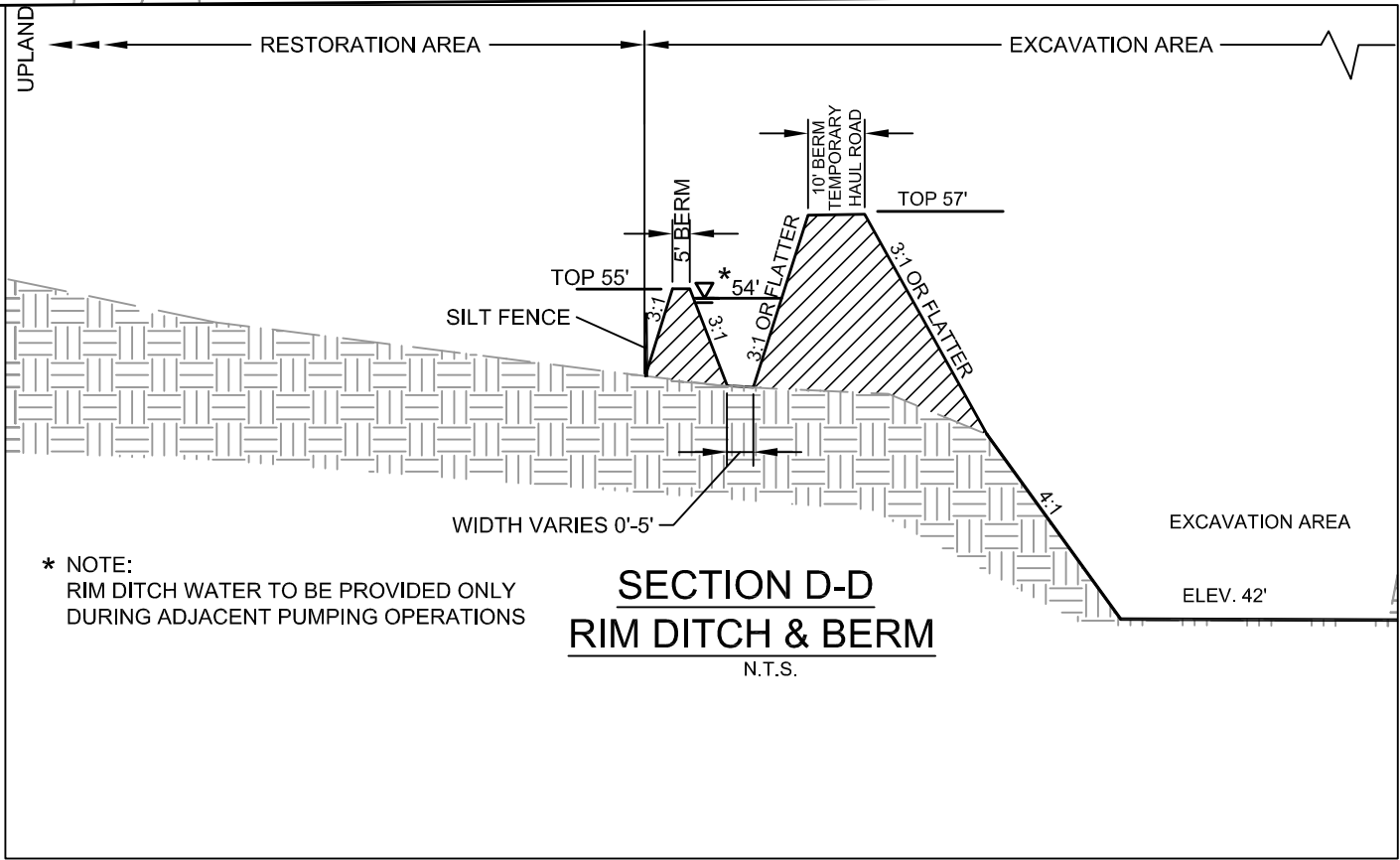
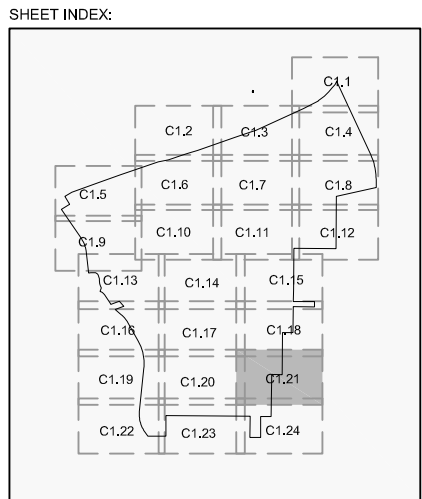
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	JPH	08/31/2016	PER SJRWMD REVIEW														
	JPH	10/25/2016	REVISIONS PER SJRWMD REVIEW														





LEGEND:

- RESTORATION AREA
- PROPOSED CONTOUR
- EXISTING CONTOUR
- LEASE BOUNDARY
- RIM DITCH AND BERM



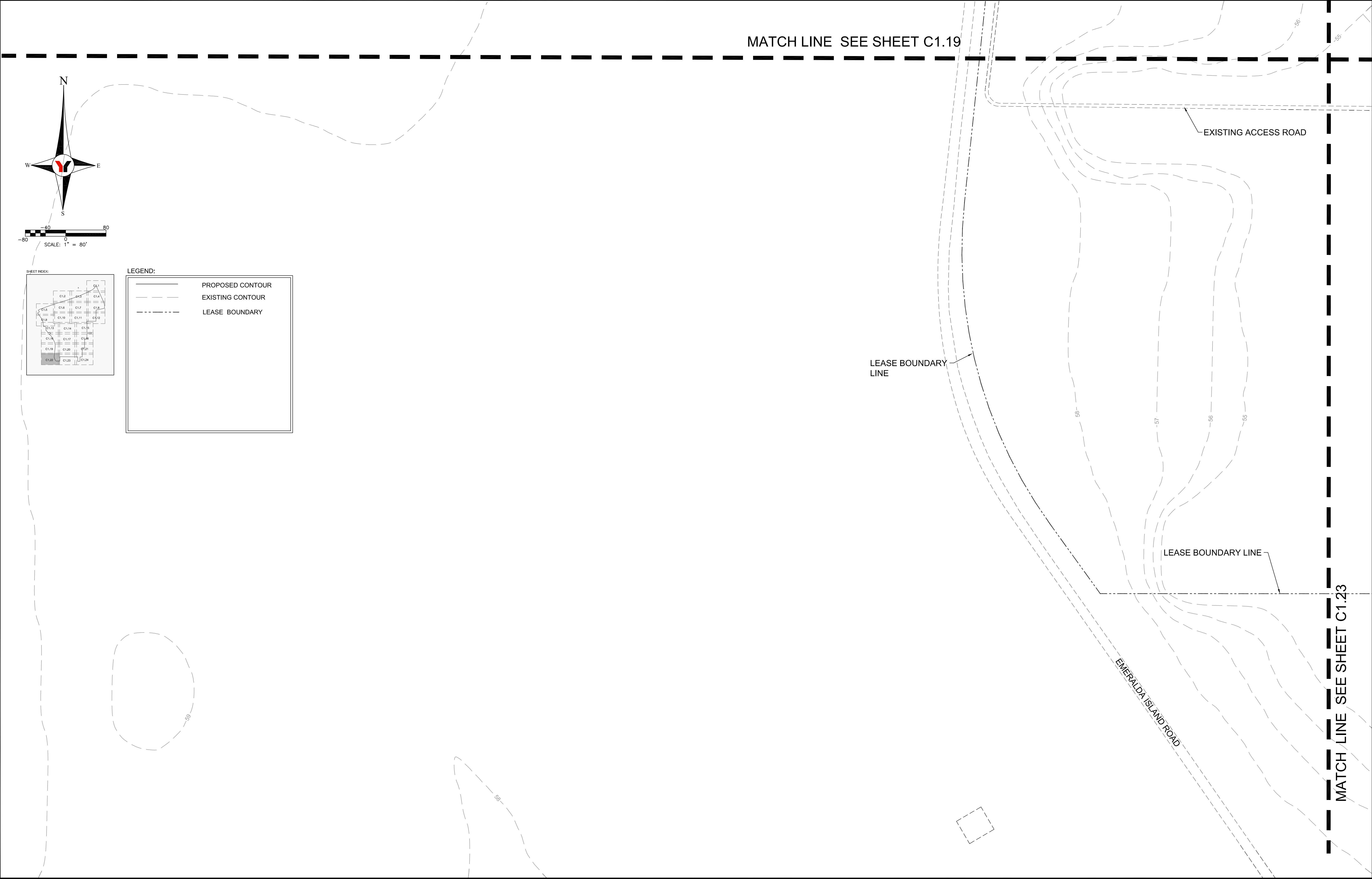
REVISED								REVISED							
NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION
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	JPH	10/25/2016	PER SJRWMD REVIEW												


DESIGN	INITIALS	DATE	PREPARED FOR: <b>ENVIRONMENTAL CONSULTING &amp; DESIGN</b> 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333
DRAWN	CULLEN	06/10/2016	
CHECKED	JPH	06/10/2016	
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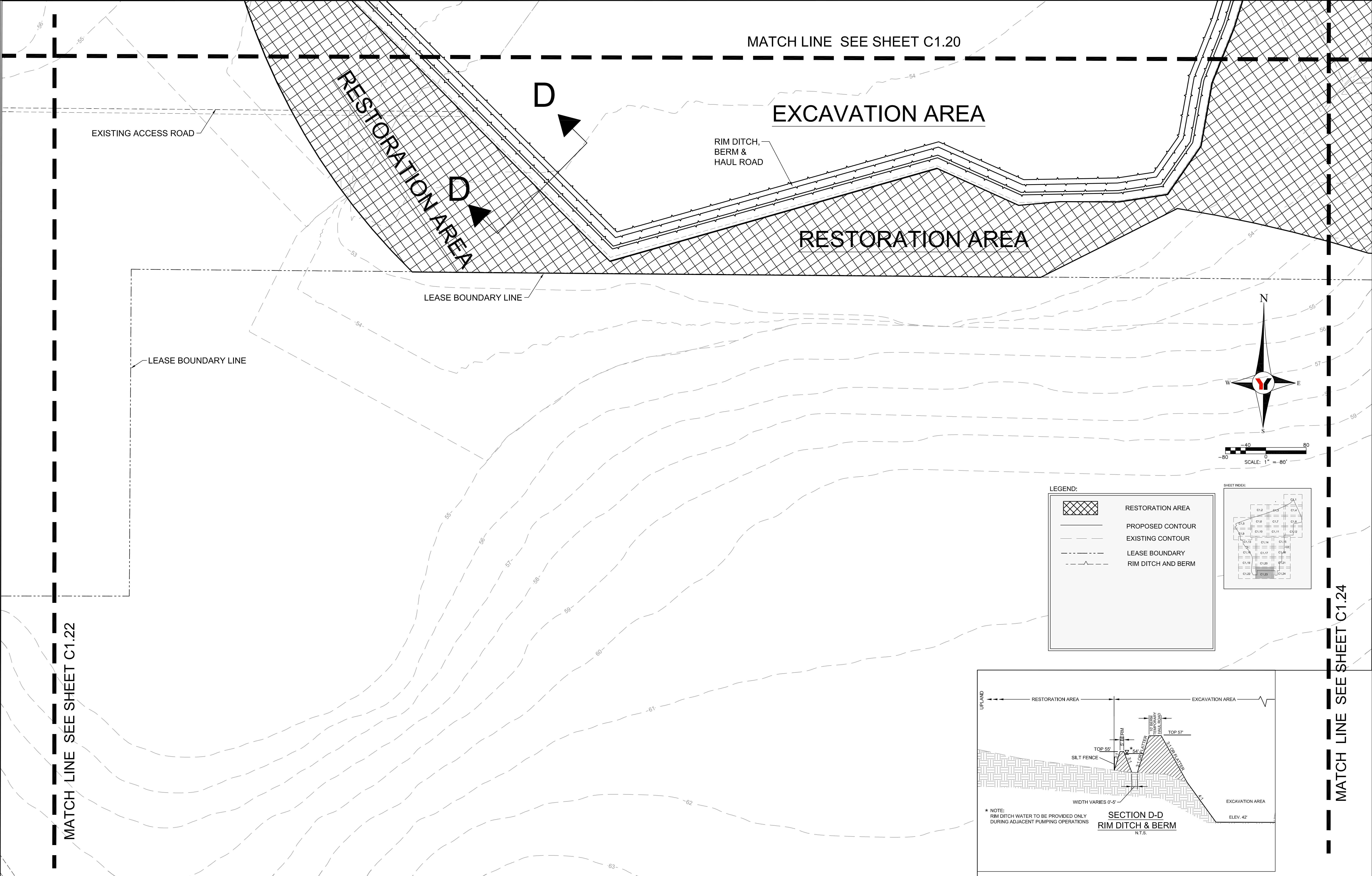
**George F. Young, Inc.**  
1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429  
PHONE (352) 378-1444 FAX (352) 372-2502  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CIVIL & TRANSPORTATION ENGINEERING | ECOLOGY | GIS/LANDSCAPE ARCHITECTURE  
PLANNING | SURVEYING | SUBSURFACE UTILITY ENGINEERING  
GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA

STUART I. CULLEN, P.E. No. 51337	<b>EMERALDA MARSH</b> <b>SITE PLAN</b>	JOB NO. <b>15015700GC</b> SHEET NO. <b>C1.21</b>
DATE		

SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.

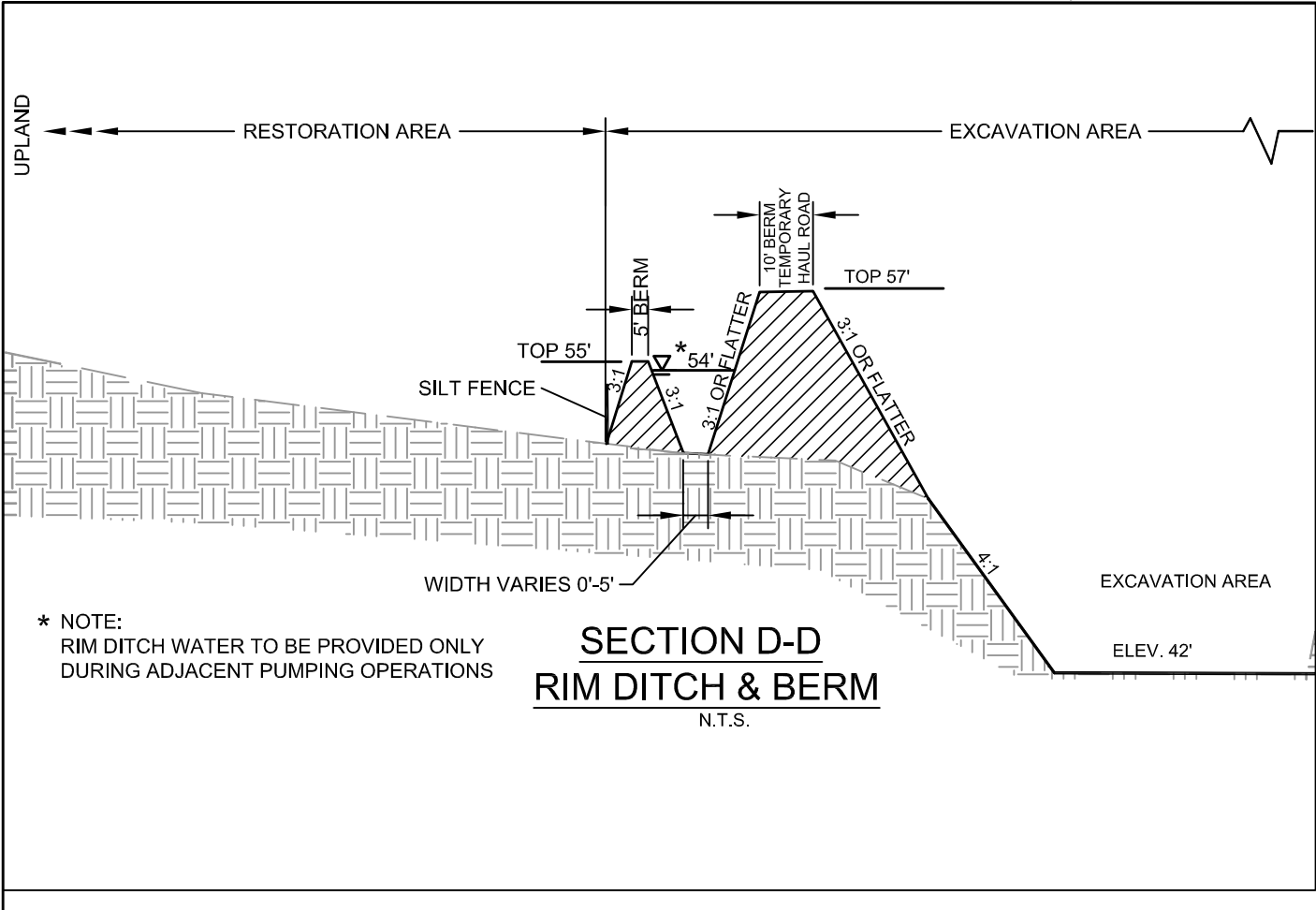
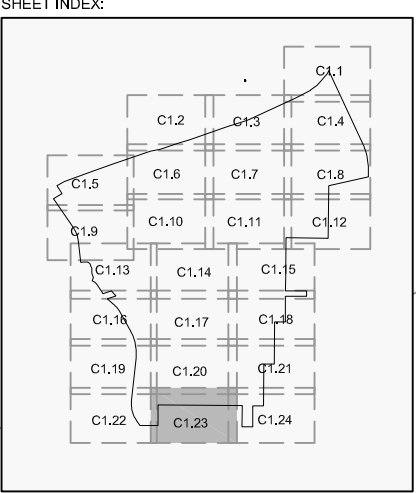


REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN CULLEN 06/10/2016 DRAWN JPH 06/10/2016 CHECKED SIC 08/30/2016 QUALITY CHK SIC 10/25/2016 SCALE 1" = 80'	PREPARED FOR: <b>ENVIRONMENTAL CONSULTING &amp; DESIGN</b> 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 <b>George F. Young, Inc.</b> 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337 DATE	<b>EMERALDA MARSH</b> SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700GC
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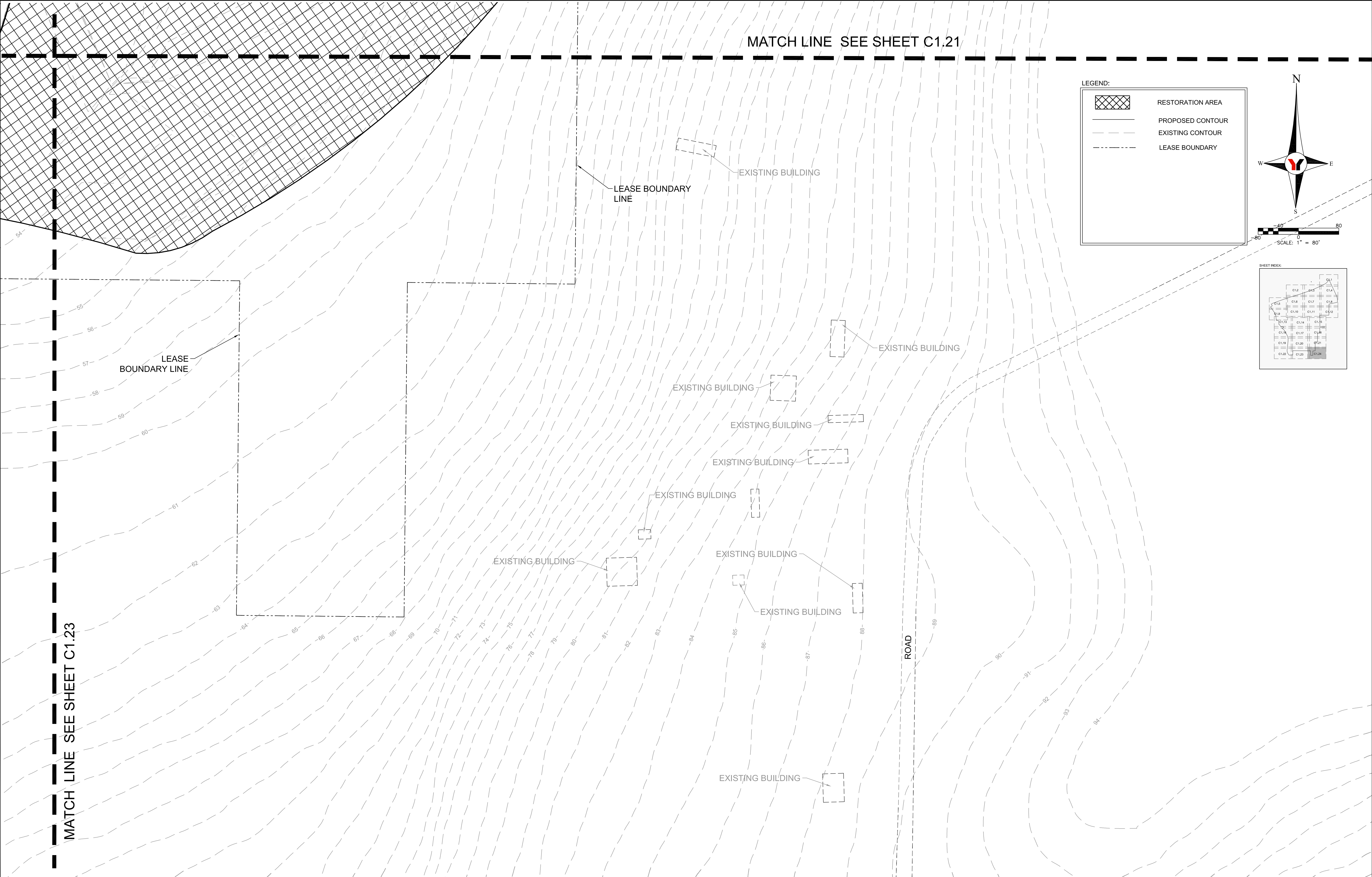



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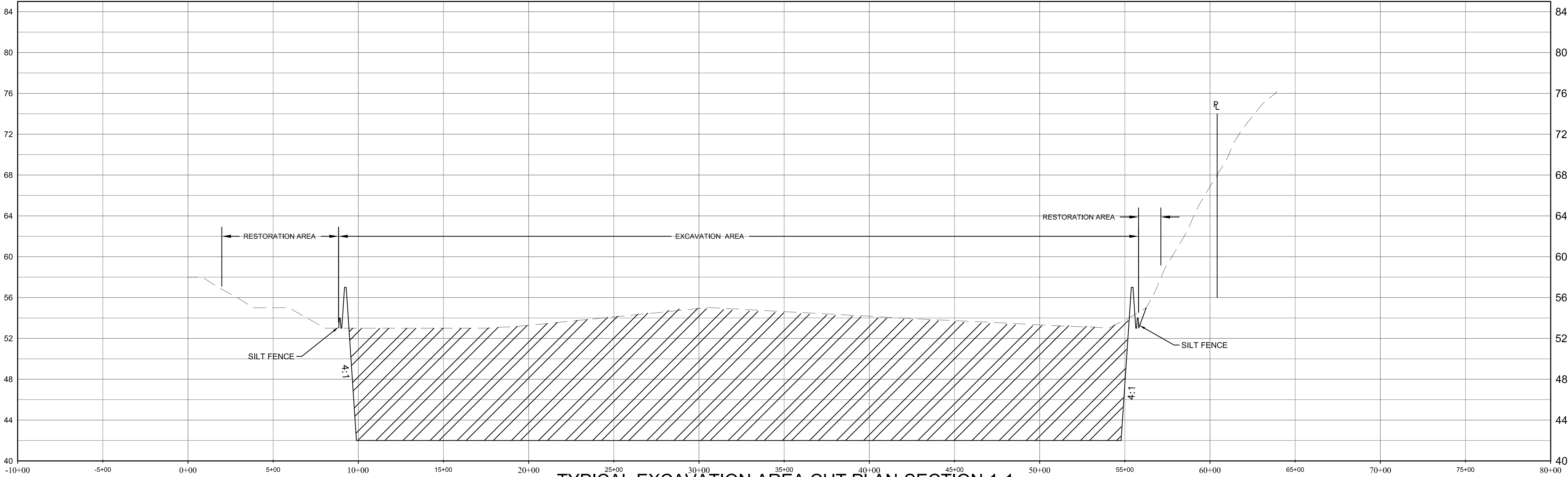
- RESTORATION AREA
- PROPOSED CONTOUR
- EXISTING CONTOUR
- LEASE BOUNDARY
- RIM DITCH AND BERM



REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR: ENVIRONMENTAL CONSULTING & DESIGN 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 George F. Young, Inc. 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING I ECOLOGY I GIS/LANDSCAPE ARCHITECTURE PLANNING I SURVEYING I SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337 DATE	EMERALDA MARSH SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. 15015700GC SHEET NO. C1.23
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	4					4					SIC	10/25/2016					
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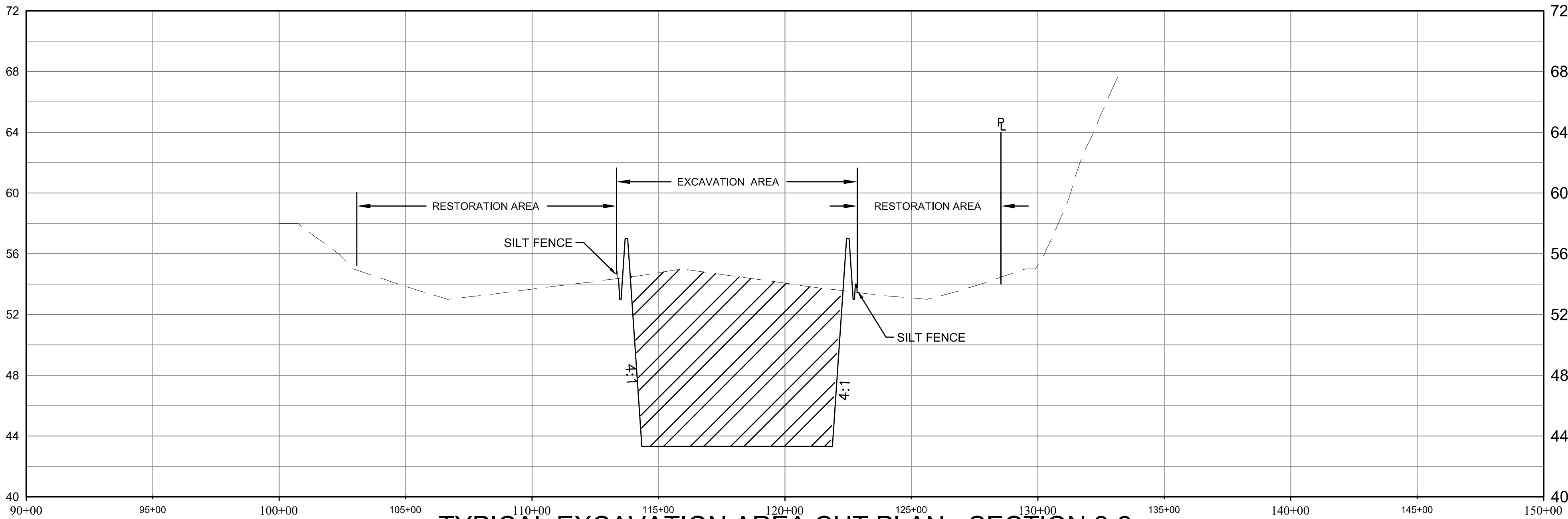


REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN CULLEN 06/10/2016	INITIALS JPH 06/10/2016	DATE 06/10/2016	PREPARED FOR: <b>ENVIRONMENTAL CONSULTING &amp; DESIGN</b> 2410 NE 18TH TERRANCE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 <b>George F. Young, Inc.</b> 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337 DATE	<b>EMERALDA MARSH</b> SITE PLAN SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.	JOB NO. <b>15015700GC</b> SHEET NO. <b>C1.24</b>
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TYPICAL EXCAVATION AREA CUT PLAN-SECTION 1-1

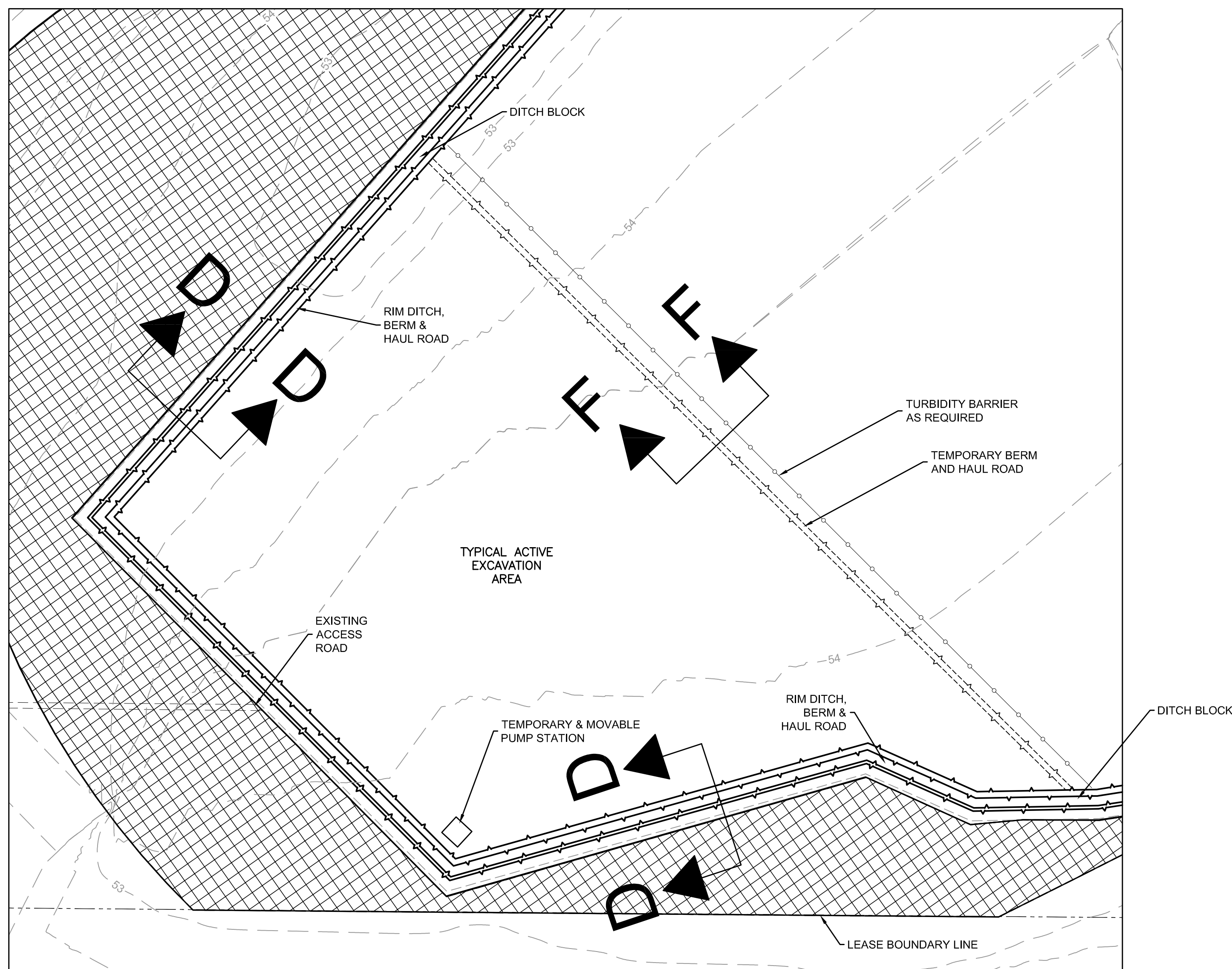
SCALE:  
H= 1"= 300'  
V= 1"= 50'



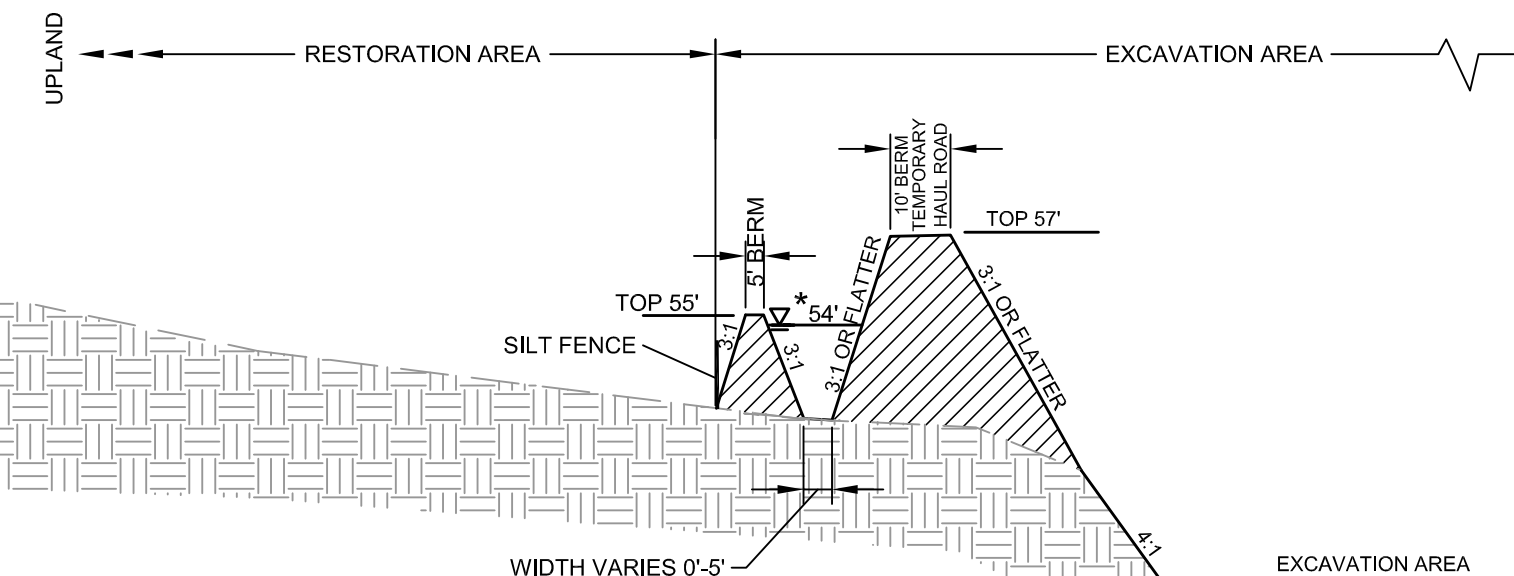
TYPICAL EXCAVATION AREA CUT PLAN - SECTION 2-2

SCALE:  
H= 1"= 300'  
V= 1"= 50'

REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION	DESIGN	INITIALS	DATE	PREPARED FOR: ENVIRONMENTAL CONSULTING & DESIGN 2410 NE 18th TERRACE, SUITE A GAINESVILLE, FLORIDA (352) 371-4333	 George F. Young, Inc. 1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429 PHONE (352) 378-1444 FAX (352) 372-2502 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 CIVIL & TRANSPORTATION ENGINEERING   ECOLOGY   GIS/LANDSCAPE ARCHITECTURE PLANNING   SURVEYING   SUBSURFACE UTILITY ENGINEERING GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA	STUART I. CULLEN, P.E. No. 51337 DATE	EMERALDA MARSH SECTIONS	JOB NO. 15015700GC SHEET NO. C1.25
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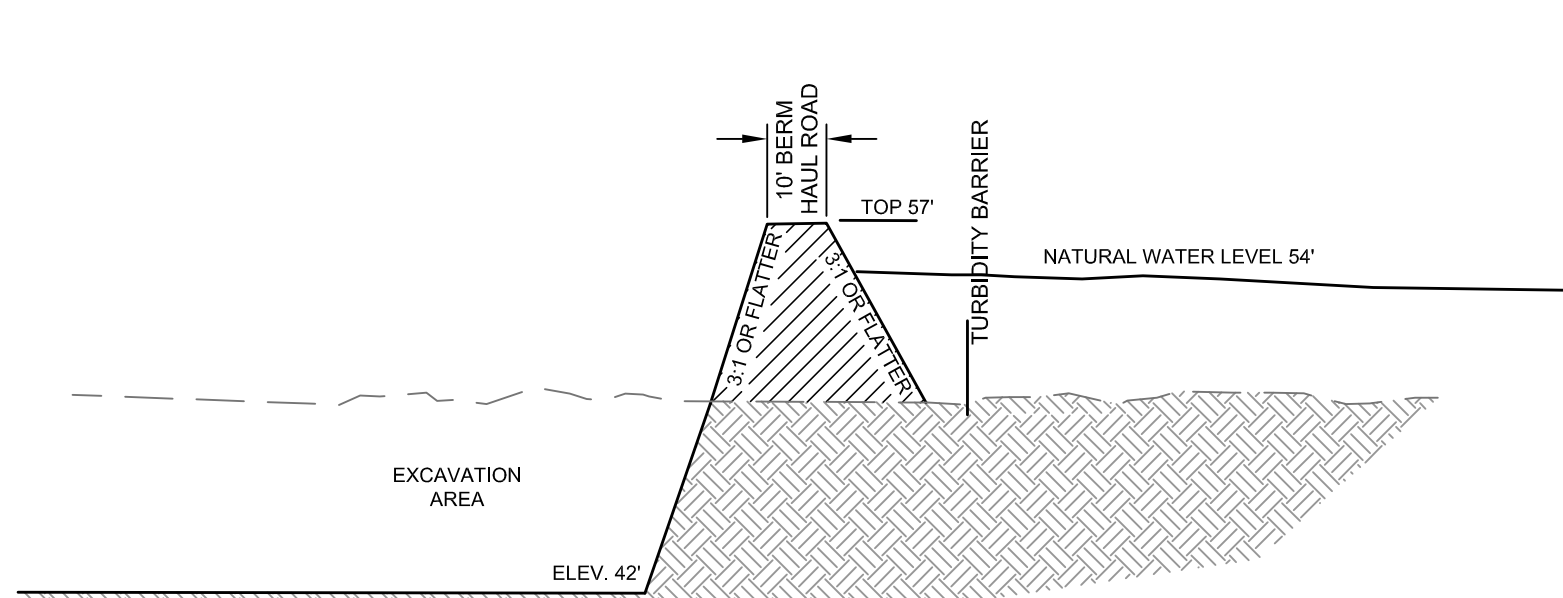


TYPICAL EXCAVATION PLAN  
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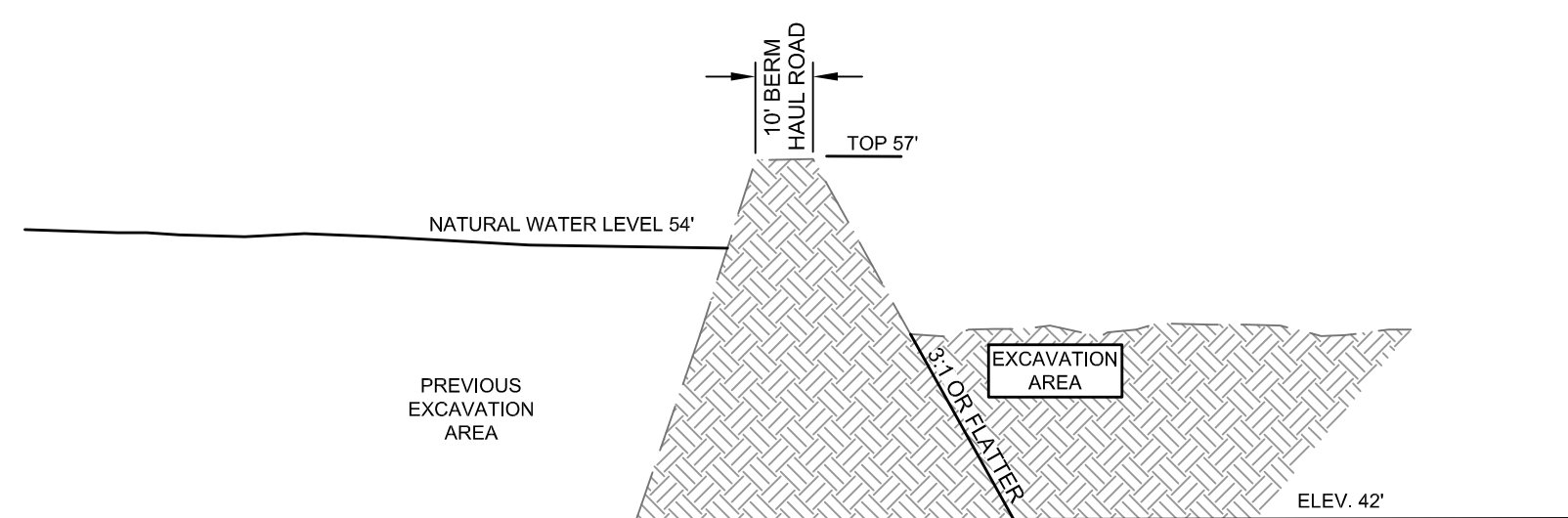


SECTION D-D  
RIM DITCH & BERM  
N.T.S.

\* NOTE:  
RIM DITCH WATER TO BE PROVIDED ONLY  
DURING ADJACENT PUMPING OPERATIONS



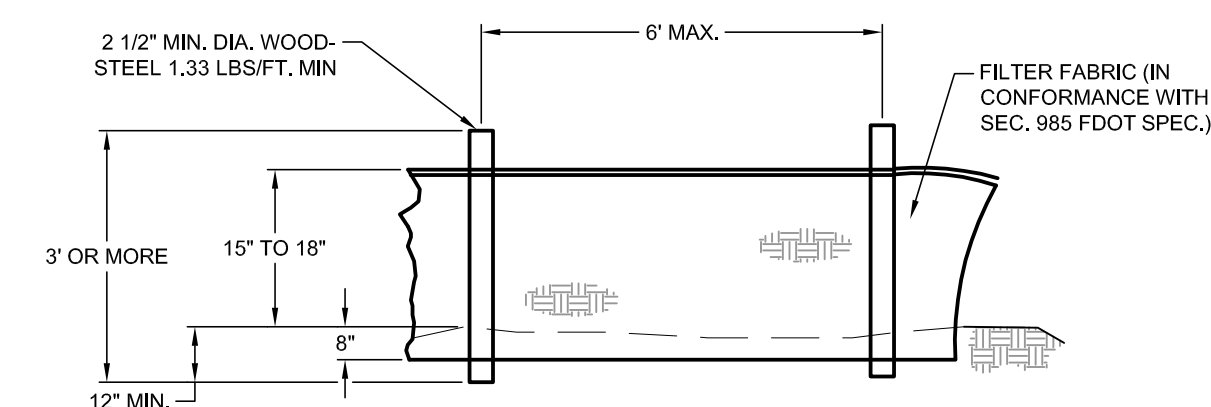
SECTION F-F  
BERM  
N.T.S.



### TEMPORARY BERM DETAIL

#### ADJACENT EXCAVATION AREA

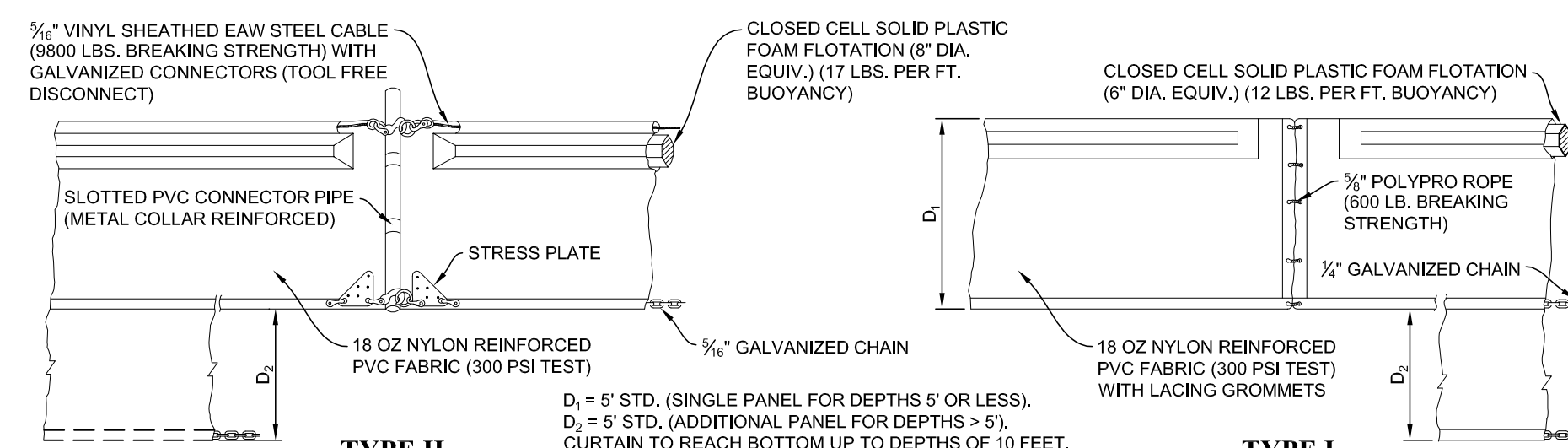
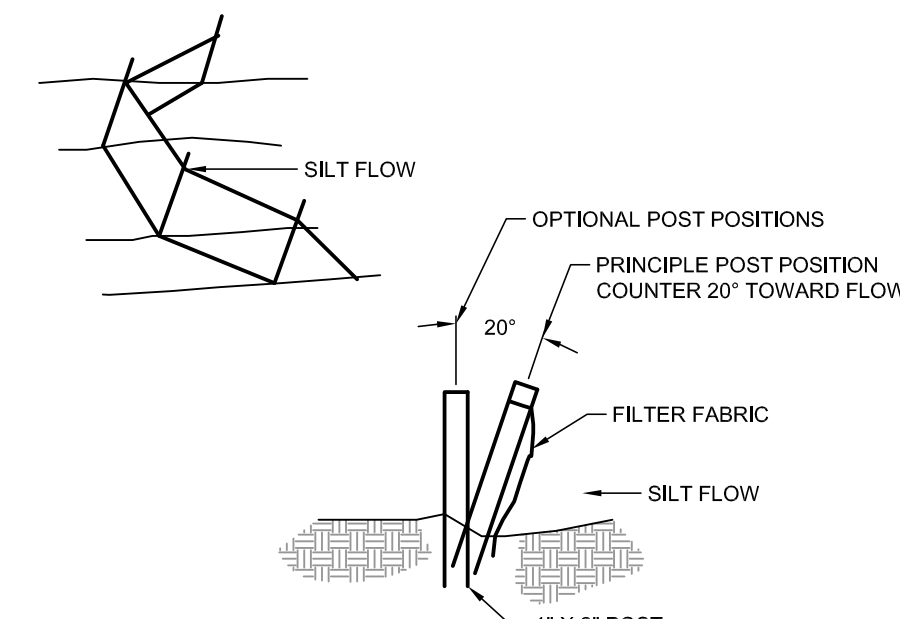
N.T.S.



TYPE III SILT FENCE

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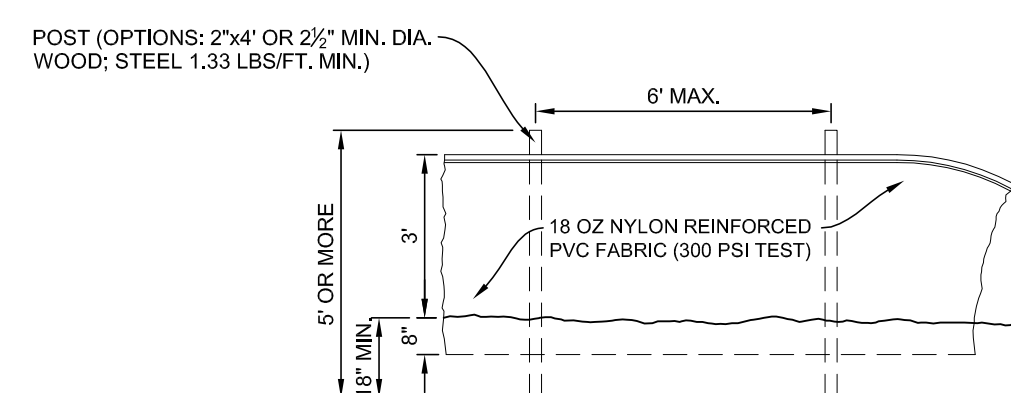
N.T.S.



## TYPE II

## TYPE I



NOTICE:  
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.



### STAKED TURBIDITY BARRIER

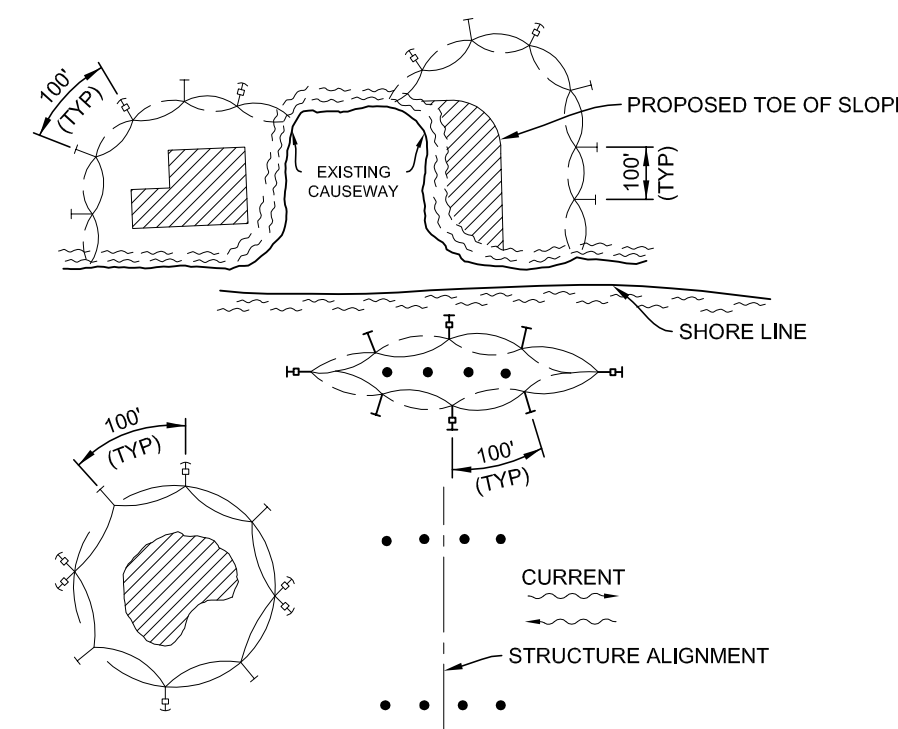
## FLOATING TURBIDITY BARRIERS

LEGEND

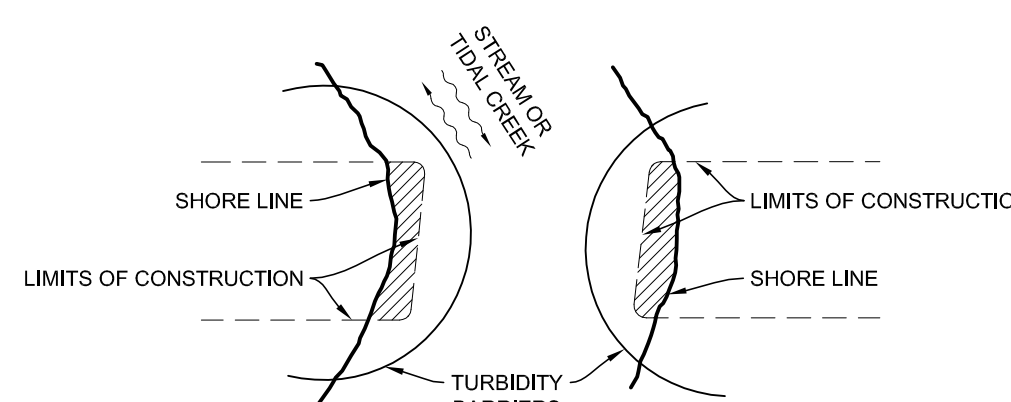
- PILE LOCATIONS
-  DREDGE OR FILL AREA
- MOORING BUOY W/ANCHOR
- |— ANCHOR
-  BARRIER MOVEMENT DUE TO CURRENT ACTION

NOTES:

1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
3. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
4. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
5. FOR ADDITIONAL INFORMATION SEE SECTION 104 OF THE STANDARD SPECIFICATIONS.



## TURBIDITY BARRIER APPLICATIONS



NOTE:  
TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATIONS OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTORS OPTION UNLESS OTHERWISE SPECIFIED IN THE BIDS. HOWEVER PAYMENT WILL BE UNDER THE BIDDING ITEMS ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIER AND/OR STAKED TURBIDITY BARRIER. POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN TERTIAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

### GENERAL NOTES

1. FLOATING TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR FLOATING TURBIDITY BARRIER, LF.
2. STAKED TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED TURBIDITY BARRIER, LF.

REVISED	NO.	BY	DATE	DESCRIPTION	REVISED	NO.	BY	DATE	DESCRIPTION		INITIALS	DATE
	JPH	08/31/2016	PER S/RWMD REVIEW							DESIGN	CULLEN	06/10/2016
	JPH	10/25/2016	PER S/RWMD REVIEW							DRAWN	JPH	06/10/2016
	JPH	11/9/2016	UPDASTE NATUAL WATER LEEVEL IN SECTION F-F-- AND BERM DETAIL							CHECKED	SIC	08/30/2016
										QUALITY CHK	SIC	9/25/2016
									SCALE	1" = 80'		

PREPARED FOR:  
**ENIRONMENTAL CONSULTING & DESIGN**  
2410 NE 18TH TERRANCE, SUITE A  
GAINESVILLE, FLORIDA  
(352) 371-4333



George F. Young, Inc.

1905 SOUTH MAIN STREET GAINESVILLE, FLORIDA 32601-8429  
PHONE (352) 378-1444 FAX (352) 372-2502  
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CIVIL & TRANSPORTATION ENGINEERING | ECOLOGY | GIS | LANDSCAPE ARCHITECTURE  
PLANNING | SURVEYING | SUBSURFACE UTILITY ENGINEERING  
GAINESVILLE | LAKEWOOD RANCH | ORLANDO | PALM BEACH | ST. PETERSBURG | TAMPA

STUART I. CULLEN, P.F. No. 51,337

DAT

EMERALDA MARSH

## DETAILS

SECTION 14-22-23-26-27, TOWNSHIP 18 S., RANGE 25 E.

JOB NO.  
15015700GC

SHEET NO.  
C2.00