



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Regulation Division

April 4, 2018

Amzak International, Inc.
980 North Federal Highway, Suite 315
Boca Raton, FL 33432

Dear Permittee:

Subject: Correction to Environmental Resource Permit Issued August 24, 2017
Permit No. 06-07569-P
Project Name: Sierra Ranch
Location: Broward County, S18/T50S/R41E

This is to notify you that our permit issued on August 24, 2017 referenced an incorrect acreage for the onsite wetland mitigation. The enclosed permit has been updated to reflect the correct acreage (23.86 acres) of onsite wetland mitigation in Special Condition No. 11 and in the Wetlands Section of the staff report.

I am sorry for any inconvenience this may have caused you. If you have any questions, please do not hesitate to contact this office.

Sincerely,

A handwritten signature in black ink that reads "Barbara J. Conmy". The signature is fluid and cursive.

Barbara J. Conmy
Section Leader
Natural Resource Management Section
Environmental Resource Permitting Bureau

BJC/bc
Enclosure

Cc: Mary Lindgren, mlindgren@ewconsultants.com
Michael Owens, mowens@broward.org

DISTRICT HEADQUARTERS: 3301 Gun Club Road, West Palm Beach, Florida 33406 • (561) 686-8800 • (800) 432-2045

Mailing Address: PO BOX 24680 West Palm Beach FL, 33416-4680

LOWER WEST COAST SERVICE CENTER: 2301 McGregor Boulevard, Fort Myers, FL 33901 • (239) 338-2929 • (800) 248-1201
OKEECHOBEE SERVICE CENTER: 205 North Parrott Avenue, Suite 201, Okeechobee, FL 34972 • (863) 462-5260 • (800) 250-4200
ORLANDO SERVICE CENTER: 1707 Orlando Central Parkway, Suite 200, Orlando FL 32809 • (407) 858-6100 • (800) 250-4250

sfwmd.gov



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE PERMIT NO. 06-07569-P**

DATE ISSUED: AUGUST 24, 2017

PERMITTEE: AMZAK INTERNATIONAL INC
(SIERRA RANCH)
980 NORTH FEDERAL HIGHWAY, SUITE 315
BOCA RATON, FL 33432

CORRECTED PERMIT

PROJECT DESCRIPTION: CONSTRUCTION AND OPERATION OF AN 89.1-ACRE RESIDENTIAL DEVELOPMENT PROJECT KNOWN AS SIERRA RANCH.

PROJECT LOCATION: BROWARD COUNTY , SECTION 18 TWP 50S RGE 41E

PERMIT DURATION: See Special Condition No:1.

This is to notify you of the District's agency action concerning Permit Application No. 141223-14, dated December 23, 2014. This action is taken pursuant to the provisions of Chapter 373, Part IV, Florida Statutes (F.S.).

Based on the information provided, District rules have been adhered to and an Environmental Resource Permit is in effect for this project subject to:

1. Not receiving a filed request for an administrative hearing pursuant to Section 120.57 and Section 120.569, or a request for a judicial review pursuant to Section 120.68, Florida Statutes.
2. The attached 18 General Conditions.
3. The attached 19 Special Conditions.
4. The attached 6 Exhibits.

Should you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Should you wish to object to the proposed agency action or file a petition, please provide written objections, petitions and/or waivers to:

Office of the District Clerk
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, FL 33406
e-mail: clerk@sfwmd.gov

Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights", we will assume that you concur with the District's action.

CERTIFICATION OF SERVICE

I HEREBY CERTIFY THAT this written notice has been mailed or electronically submitted to the Permittee (and the persons listed on the attached distribution list) this 25th day of August, 2017, in accordance with Section 120.60(3), F.S. Notice was also electronically posted on this date through a link on the home page of the District's website (my.sfwmd.gov/ePermitting).

By 
DEPUTY CLERK
SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Attachments

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on August 24, 2022.
2. Operation and maintenance of the stormwater management system shall be the responsibility of SIERRA RANCH HOMEOWNERS ASSOCIATION, INC.. Within one year of permit issuance or concurrent with the engineering certification of construction completion, whichever comes first, the permittee shall submit a copy of the recorded deed restrictions (or declaration of condominium, if applicable), a copy of the filed articles of incorporation, and a copy of the certificate of incorporation for the association.

3. Discharge Facilities:

Basin: DEVELOPMENT

1-6' WIDE SHARP CRESTED weir with crest at elev. 4.8' NGVD 29.
1-.25' dia. CIRCULAR ORIFICE with invert at elev. 4' NGVD 29.
1-6' W X 6' L drop inlet with crest at elev. 6.2' NGVD 29.

Receiving body : PRESERVE
Control elev : 4 feet NGVD 29.

Basin: PRESERVE

1-.4' W X 1' H RECTANGULAR NOTCH weir with crest at elev. 4' NGVD 29.
1-3.33' W X 4.5' L drop inlet with crest at elev. 6.2' NGVD 29.

Receiving body : CBWCD N-17
Control elev : 4 feet NGVD 29.

4. Lake side slopes shall be no steeper than 4:1 (horizontal:vertical) to a depth of two feet below the control elevation. Side slopes shall be nurtured or planted from 2 feet below to 1 foot above control elevation to insure vegetative growth, unless shown on the plans.
5. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.
6. The following are exhibits to this permit. Exhibits noted as incorporated by reference are available on the District's ePermitting website (<http://my.sfwmd.gov/ePermitting>) under this application number.
Exhibit No. 1 Location Map
Exhibit No. 2 Plans, Pages 1 - 13
Exhibit No. 3 Wetland Impacts and Mitigation Plan, Pages 1-14
Exhibit No. 4 Conservation Easement, Pages 1-10
Exhibit No. 5 Draft Financial Assurance, Pages 1-2
Exhibit No. 6 Work Schedule
7. Prior to initiating construction activities associated with this Environmental Resource Permit (ERP), the permittee is required to hold a pre-construction meeting with field representatives, consultants, contractors, District Environmental Resource Compliance (ERC) staff, and any other local government entities as necessary.

The purpose of the pre-construction meeting is to discuss construction methods, sequencing, best management practices, identify work areas, staking and roping of preserves where applicable, and to facilitate coordination and

assistance amongst relevant parties.

To schedule a pre-construction meeting, please contact ERC staff from the West Palm Beach Office at (561) 686-8800 or via e-mail at: pre-con@sfwmd.gov. When sending a request for a pre-construction meeting, please include the application number, permit number, and contact name and phone number.

8. Minimum building floor elevation: BASIN: PRESERVE - 8.50 feet NGVD 29.
9. Minimum road crown elevation: Basin: PRESERVE - 7.50 feet NGVD 29.
10. No construction dewatering is proposed. However, if in the future, the permittee determines that dewatering is required, an application for dewatering authorization must be submitted to the District and approved prior to the dewatering being conducted.
11. A mitigation program for Sierra Ranch shall be implemented in accordance with Exhibit No. 3. The permittee shall restore and enhance 23.86 acres of wetlands onsite.
12. Prior to commencement of construction and in accordance with the work schedule in Exhibit No. 6, the permittee shall submit documentation from the Florida Department of Environmental Protection that 3.01 freshwater herbaceous credits have been deducted from the ledger for FPL Everglades Mitigation Bank.
13. Prior to commencement of construction and in accordance with the work schedule in Exhibit 6 the permittee shall submit an electronic or hard copy version of the documentation that the executed conservation easement for the mitigation area(s) and associated buffer(s) has been accepted by Broward County for recording. The electronic version of the documentation shall be submitted via the District's ePermitting/eCompliance website.

The permittee shall submit an electronic or hard copy version of the certified copy of the recorded conservation easement for the mitigation area(s) and associated buffer(s) when these documents are available from the County.

The electronic version of the recorded conservation easement, and associated GIS information described below, shall be submitted via the District's ePermitting/eCompliance website. The GIS data shall be supplied in a digital ESRI Geodatabase (mdb), ESRI Shapefile (shp) or AutoCAD Drawing Interchange (dxf) file format using Florida State Plane coordinate system, East Zone (3601), Datum NAD83, HARN with the map units in feet. A map depicting the Conservation Easement over the best available satellite or aerial imagery shall also be provided. If the information is provided via hard copy the GIS data shall reside on CD disk and be submitted to the District's Environmental Resource Compliance Division in the service area office where the application was submitted.

The recorded easement shall utilize the form attached as Exhibit 4. Any proposed modification to the approved form must receive prior written consent from the District. The easement must be free of encumbrances or interests in the easement which the District determines are contrary to the intent of the easement. In the event it is later determined that there are encumbrances or interests in the easement which the District determines are contrary to the intent of the easement, the permittee shall be required to provide release or subordination of such encumbrances or interests.

14. Prior to the commencement of construction and in conformance with the work schedule in Exhibit 6, the permittee shall provide an original letter of credit in the amount of \$718744.40 to ensure the permittee's financial ability and commitment to complete the proposed mitigation, monitoring and maintenance plan as shown on Exhibit No. 3. The financial assurance shall be in substantial conformance with Exhibit No. 5. The financial assurance shall be in effect for the entire period of the mitigation and monitoring program. Notification to the District by the financial institution or surety that the financial assurance will not be renewed or is no longer in effect shall constitute non-compliance with the permit.

Should the permit be transferred from the construction to operational phase prior to the completion of the mitigation and monitoring program, it will be incumbent upon the original permittee to either keep the existing financial assurance in force or provide replacement financial assurance in the name of the operational entity. The existing financial assurance

cannot be released until a replacement document is received and accepted by the District.

15. A monitoring program shall be implemented in accordance with Exhibit No. 3. The monitoring program shall extend for a period of 5 years with annual reports submitted to District staff. At the end of the first monitoring period the mitigation area shall contain an 80% survival of planted vegetation. The 80% survival rate shall be maintained throughout the remainder of the monitoring program, with replanting as necessary. If native wetland, transitional, and upland species do not achieve an 80% coverage within the initial two years of the monitoring program, native species shall be planted in accordance with the maintenance program. At the end of the 5 year monitoring program the entire mitigation area shall contain an 80% survival of planted vegetation and an 80% coverage of desirable obligate and facultative wetland species.
16. The District reserves the right to require remedial measures to be taken by the permittee if monitoring or other information demonstrates that adverse impacts to onsite or offsite wetlands, upland conservation areas or buffers, or other surface waters have occurred due to project related activities.
17. A maintenance program shall be implemented in accordance with Exhibit No. 3 for the restored/enhanced wetland areas on a regular basis to ensure the integrity and viability of those areas as permitted. Maintenance shall be conducted in perpetuity to ensure that the conservation areas are maintained free from Category 1 exotic vegetation (as defined by the Florida Exotic Pest Plant Council at the time of permit issuance) immediately following a maintenance activity. Maintenance in perpetuity shall also insure that conservation areas, including buffers, maintain the species and coverage of native, desirable vegetation specified in the permit. Coverage of exotic and nuisance plant species shall not exceed 5% of total cover between maintenance activities. In addition, the permittee shall manage the conservation areas such that exotic/nuisance plant species do not dominate any one section of those areas.
18. Permanent physical markers designating the preserve status of the wetland preservation areas and buffer zones shall be placed at the intersection of the buffer and each lot line. These markers shall be maintained in perpetuity.
19. Activities associated with the implementation of the mitigation, monitoring and maintenance plan(s) shall be completed in accordance with the work schedule attached as Exhibit No. 6. Any deviation from these time frames must be coordinated with the District's Environmental Resource Compliance staff, and may require a minor modification to this permit. Such requests must be made in writing and shall include (1) reason for the change, (2) proposed start/finish and/or completion dates; and (3) progress report on the status of the project development or mitigation effort.

GENERAL CONDITIONS

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, Florida Administrative Code (F.A.C.). Any deviations that are not so authorized shall subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.
2. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.
3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the "State of Florida Erosion and Sediment Control Designer and Reviewer Manual" (Florida Department of Environmental Protection and Florida Department of Transportation June 2007), and the "Florida Stormwater Erosion and Sedimentation Control Inspector's Manual" (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.
4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice" indicating the expected start and completion dates. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.
5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.
6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
 - a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex- "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit"[Form 62-330.310(3)]; or
 - b. For all other activities- "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].
 - c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.
7. If the final operation and maintenance entity is a third party:
 - a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Applicant's Handbook Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
 - b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.
8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.
9. This permit does not:
 - a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified

herein or in Chapter 62-330, F.A.C.;

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

NOTICE OF RIGHTS

As required by Sections 120.569 and 120.60(3), Fla. Stat., the following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all of the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a SFWMD decision which affects or may affect their substantial interests shall file a petition for hearing with the Office of the District Clerk of the SFWMD, in accordance with the filing instructions set forth herein, within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, or posting that the SFWMD has or intends to take final agency action, or publication of notice that the SFWMD has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action which materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional Rule 28-106.111, Fla. Admin. Code, point of entry.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Fla. Stat., shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk of the SFWMD. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at SFWMD headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, 3301 Gun Club Road, West Palm Beach, Florida 33406.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the SFWMD's security desk does not constitute filing. It will be necessary to request that the SFWMD's security officer contact the Office of the District Clerk. An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Fla. Stat., and Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, SFWMD file number or any other SFWMD identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401–.405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Fla. Stat., and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal with the Office of the District Clerk of the SFWMD in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the clerk of the appropriate district court of appeal.

Last Date For Agency Action: October 14, 2017

INDIVIDUAL ENVIRONMENTAL RESOURCE PERMIT STAFF REPORT

Project Name: Sierra Ranch

Permit No.: 06-07569-P

Application No.: 141223-14

Application Type: Environmental Resource (New Construction/Operation)

Location: Broward County, S18/T50S/R41E

Permittee : Amzak International, Inc.

Operating Entity : Sierra Ranch Homeowners Association, Inc.

Project Area: 89.10 acres

Permit Area: 89.10 acres

Project Land Use: Residential

Drainage Basin: C-11 WEST

Receiving Body: CBWCD N-17

Class: CLASS III

Special Drainage District: Central Broward Water Control District

Total Acres Wetland Onsite: 69.20

Total Acres Wetland Preserved Onsite: 20.30

Total Acres Impacted Onsite : 48.90

Total Acres Presv/Mit Compensation Onsite: 23.86

Offsite Mitigation Credits-Mit.Bank: 3.01 F.P.L. Everglades Mitigation Bank

Conservation Easement To District : Yes

Sovereign Submerged Lands: No

PROJECT SUMMARY:

This Environmental Resource Permit authorizes Construction and Operation of a stormwater management system serving an 89.1-acre residential development project known as Sierra Ranch.

Construction activities include lot grading, neighborhood roads, utilities and recreational amenities. Runoff will be directed to a wet detention system that provides water quality treatment prior to overflow into the preserve area. Ultimate discharge is to the Central Broward Water Control District N-17 Canal via a control structure.

Issuance of this permit constitutes certification of compliance with state water quality standards in accordance with Rule 62-330.062, F.A.C.

PROJECT EVALUATION:**PROJECT SITE DESCRIPTION:**

The site is an undeveloped parcel located about a mile south of Interstate 595 and Hiatus Road in Broward County, as shown in Exhibit 1. This location is within the Central Broward Water Control District and the Water Preserve Area Basin boundary.

There are no permitted water management facilities within the project area. Please see the Wetlands and Other Surface Waters section for information about wetland impacts and mitigation.

LAND USE:

Land use cover identified under the category of "Other" represents Central Broward Water Control District N-17 canal right-of-way and road right-of-way area not contributing to the controlled basin.

Construction**Project:****Total Project**

| | | |
|-------------------|--------------|-------|
| Berm | 2.97 | acres |
| Building Coverage | 8.47 | acres |
| Impervious | 6.96 | acres |
| Lake | 6.47 | acres |
| Lake Bank | 1.23 | acres |
| Other | 1.77 | acres |
| Pervious | 34.72 | acres |
| Preserved | 26.51 | acres |
| Total: | 89.10 | |

WATER QUANTITY :**Discharge Rate :**

As shown in the table below, the project discharge is within the allowable limit for the area.

Discharge Storm Frequency : 25 YEAR-3 DAY

Design Rainfall : 12.8 inches

| Basin | Allow Disch (cfs) | Method Of Determination | Peak Disch (cfs) | Peak Stage (ft, NGVD 29) |
|--------------|------------------------------|------------------------------------|-----------------------------|--------------------------------------|
| Preserve | 2.75 | Discharge Formula | 2.71 | 6.18 |

Finished Floors :

As shown in the following table and the attached exhibits, minimum finished floor elevations have been set at or above the calculated design storm flood elevation.

Building Storm Frequency : 100 YEAR-3 DAY

Design Rainfall : 17.3 inches

| Basin | Peak Stage (ft, NGVD 29) | Proposed Min. Finished Floors (ft, NGVD 29) | FEMA Elevation (ft, NGVD 29) |
|----------|------------------------------|---|----------------------------------|
| Preserve | 7.04 | 8.5 | N/A |

Road Design :

As shown in the following table and the attached exhibits, minimum road center lines have been set at or above the calculated design storm flood elevation.

Road Storm Frequency : 10 YEAR-1 DAY

Design Rainfall: 8.1 inches

| Basin | Peak Stage (ft, NGVD 29) | Proposed Min. Road Crown (ft, NGVD 29) |
|----------|------------------------------|--|
| Preserve | 5.24 | 7.5 |

Control Elevation :

| Basin | Area (Acres) | Ctrl Elev (ft, NGVD 29) | WSWT Ctrl Elev (ft, NGVD 29) | Method Of Determination |
|----------|-----------------|-----------------------------|----------------------------------|----------------------------------|
| Site | 60.82 | 4 | 4.00 | Adjacent Canal Control Elevation |
| Preserve | 26.51 | 4 | 4.00 | Adjacent Canal Control Elevation |

Receiving Body :

| Basin | Str.# | Receiving Body |
|----------|-------|----------------|
| Site | CS #1 | Preserve |
| Preserve | CS #2 | CBWCD N-17 |

Discharge Structures: Note: The units for all the elevation values of structures are (ft, NGVD 29)

Inlets:

| Basin | Str# | Count | Type | Width | Length | Dia. | Crest Elev. |
|----------|-------|-------|-----------------------|-------|--------|------|-------------|
| Preserve | CS #2 | 1 | Fdot Mod C Drop Inlet | 3.33' | 4.5' | | 6.2 |

Weirs:

| Basin | Str# | Count | Type | Width | Height | Length | Dia. | Elev. |
|----------|-------|-------|-------------------|-------|--------|--------|------|-----------|
| Preserve | CS #2 | 1 | Rectangular Notch | .4' | 1' | | | 4 (crest) |

Water Quality Structures: Note: The units for all the elevation values of structures are (ft, NGVD 29)

Bleeders:

| Basin | Str# | Count | Type | Width | Height | Length | Dia. | Invert Angle | Invert Elev. |
|-------|-------|-------|------------------|-------|--------|--------|------|-----------------|--------------|
| Site | CS #1 | 1 | Circular Orifice | | | | .25' | | 4 |

Inlets:

| Basin | Str# | Count | Type | Width | Length | Dia. | Crest Elev. |
|-------|-------|-------|-------|-------|--------|------|-------------|
| Site | CS #1 | 1 | Inlet | 6' | 6' | | 6.2 |

Weirs:

| Basin | Str# | Count | Type | Width | Height | Length | Dia. | Elev. |
|-------|-------|-------|---------------|-------|--------|--------|------|-------------|
| Site | CS #1 | 1 | Sharp Crested | 6' | | | | 4.8 (crest) |

WATER QUALITY :

Water quality treatment will be provided in the wet detention area. The project provides the required 7.6 acre-feet of water quality treatment volume based on 1.5 inches over the controlled basin area.

Pursuant to Appendix E of Environmental Resource Permit Applicant's Handbook Volume II, the water quality treatment provided includes an additional 50% volume above the requirements in Section 4.2 of Volume meeting conditions for issuance for permits located within the Water Preserve Area Basin (40E-41.363, F.A.C.)

The project includes an Erosion Control Plan (Exhibit 2) as additional reasonable assurance of compliance with water quality criteria during construction.

| Basin | Treatment Method | | Vol Req.d (ac-ft) | Vol Prov'd |
|--------------|-------------------------|---------------|------------------------------|-----------------------|
| Site | Treatment | Wet Detention | 6.47 acres | 7.6 |
| | | | 7.6 | 7.6 |

WETLANDS:

Wetlands And Other Surface Waters:

The project site contains 69.2 acres of poor quality freshwater marsh and wet pasture wetlands, of which 48.9 acres of wetlands and 3.7 acres of ditches are to be impacted as described in Exhibit 3.

The ecological value of the functions provided by these wetlands is low and little function is available to wetland-dependent wildlife due to high coverage of exotic plant species. Onsite and offsite mitigation provides greater long-term ecological value than the area to be impacted, meeting the criteria in section 10.21.2(b) of Applicants Handbook Volume I (Volume I).

No secondary impacts were assessed for this project due to the low quality of the existing wetlands and because all remaining 23.86 acres of wetland are being restored/enhanced by the mitigation plan, which involves re-grading and planting to restore marsh and tree island habitats with transitional areas that serve as buffers. To offset the remaining wetland impacts, 3.01 freshwater herbaceous mitigation bank credits will be purchased from Everglades Mitigation Bank. A letter of reservation for a total of 10.86 credits is included in Exhibit 3. Excess credits are a requirement of the US Army Corps of Engineers.

The amount of onsite mitigation was determined by using the Uniform Mitigation Assessment Method, Chapter 62-345, F.A.C, and using the Wetland Assessment Technique for Environmental Review, which is the required assessment method for F.P.L. Everglades Mitigation Bank.

The onsite mitigation area is being preserved under a conservation easement dedicated to the District and to Broward County. Financial assurance that the mitigation will be completed is being provided as a Letter of Credit, in the amount of \$718,744.40, which is equal to more than 110% of the \$651,604.00 cost estimate provided in the Mitigation Plan .

Monitoring of the mitigation area will be conducted by the permittee for five years or until District staff determines that mitigation success has been achieved. Exhibit 3 describes the monitoring methodology, locations, and maintenance activities. Monitoring will include vegetative cover, hydrologic conditions and success of the mitigation effort, as well as wildlife usage and recommendations for maintenance work.

Cumulative Impact Assessment:

Mitigation onsite accounts for 72% of the wetland impacts for this project. The remaining 28% of the impacts will be offset using mitigation bank credits outside of the New River Basin (Basin).

Since a portion of the mitigation is not located within the same basin as the wetland impacts, District staff considered the potential for cumulative impacts to freshwater herbaceous wetlands within the Basin, pursuant to Rule 10.2.8 of Volume I.

Previous analyses found that 97.4% of all wetlands in the Basin were preserved by land use restrictions or dedicated as public preserve land, and identified approximately 296 acres of freshwater herbaceous wetlands that were not protected "at risk". If 28% of the remaining "at risk" wetlands in the Basin were offset outside of the basin, the loss of wetland acres within the Basin would be less than 1%. Additionally, the functions provided by the wetlands to be impacted is low.

Therefore, the District has determined that the project will not result in unacceptable cumulative impacts to the New River Basin. This conclusion is project specific and does not apply to any other application.

Wetland Inventory :

CONSTRUCTION NEW -Impacts

| Site Id | Site Type | Pre-Development | | | | Post-Development | | | | | | |
|---------------|-----------|-----------------|---------|-----------------|-----------------|------------------|----------------|-------------|-------------------|-------------|-----------|------------------------|
| | | Pre Fluc cs | AA Type | Acreage (Acres) | Current Wo Pres | With Project | Time Lag (Yrs) | Risk Factor | Pres. Adj. Factor | Post Fluccs | Adj Delta | Functional Gain / Loss |
| Ditches | ON | 510 | Direct | 3.70 | | | | | | | .000 | .000 |
| EWB | ON | 641 | Direct | 45.20 | .20 | .00 | | | | | -.200 | -9.040 |
| FM | ON | 641 | Direct | 3.70 | .23 | .00 | | | | | -.230 | -.851 |
| Total: | | | | 52.60 | | | | | | | | -9.89 |

Wetland Inventory :

CONSTRUCTION NEW -Onsite Mitigation

| Site Id | Site Type | Pre-Development | | | | Post-Development | | | | | | |
|---------------|-----------|-----------------|----------------------|-----------------|-----------------|------------------|----------------|-------------|-------------------|-------------|-----------|------------------------|
| | | Pre Fluc cs | AA Type | Acreage (Acres) | Current Wo Pres | With Project | Time Lag (Yrs) | Risk Factor | Pres. Adj. Factor | Post Fluccs | Adj Delta | Functional Gain / Loss |
| BR | ON | 422 | Restoration/Creation | 1.01 | .00 | .70 | 6 - 10 | 1.50 | | 617 | .373 | .377 |
| ME | ON | 641 | Restoration/Creation | 14.65 | .20 | .70 | 5 | 1.50 | | 641 | .292 | 4.284 |
| MR | ON | 422 | Restoration/Creation | 2.55 | .00 | .70 | 5 | 1.50 | | 641 | .409 | 1.044 |
| OWE | ON | 641 | Restoration/Creation | 4.67 | .23 | .60 | 5 | 1.25 | | 560 | .260 | 1.213 |
| TI | ON | 641 | Restoration/Creation | .98 | .23 | .73 | 6 - 10 | 1.50 | | 617 | .267 | .261 |
| Total: | | | | 23.86 | | | | | | | | 7.18 |

| <u>FlucCs Code</u> | <u>Description</u> |
|--------------------|-----------------------------------|
| 422 | Brazilian Pepper- Upland |
| 422 | Brazilian Pepper- Wetland (Ff) |
| 422 | Brazilian Pepper- Wetland (Fh) |
| 422 | Brazilian Pepper- Wetland (Sf) |
| 510 | Streams And Waterways |
| 560 | Slough Waters |
| 617 | Mixed Wetland Hardwoods |
| 641 | Freshwater Marshes |

MITBANK

F.P.L. EVERGLADES MITIGATION BANK

| Type Of Credits | Number Of Credits |
|------------------------|--------------------------------|
| | Mitigation Bank Cr Used |
| Fresh Water Herbaceous | 3.01 |
| Total: | 3.01 |

CERTIFICATION, OPERATION, AND MAINTENANCE:

Pursuant to Chapter 62-330.310 Florida Administrative Code (F.A.C.), Individual Permits will not be converted from the construction phase to the operation phase until construction completion certification of the project is submitted to and accepted by the District. This includes compliance with all permit conditions, except for any long term maintenance and monitoring requirements. It is suggested that the permittee retain the services of an appropriate professional registered in the State of Florida for periodic observation of construction of the project.

For projects permitted with an operating entity that is different from the permittee, it should be noted that until the construction completion certification is accepted by the District and the permit is transferred to an acceptable operating entity pursuant to Sections 12.1-12.3 of the Applicant's Handbook Volume I and Section 62-330.310, F.A.C., the permittee is liable for operation and maintenance in compliance with the terms and conditions of this permit.

In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all stormwater management systems and works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity.

The efficiency of stormwater management systems, dams, impoundments, and most other project components will decrease over time without periodic maintenance. The operation and maintenance entity must perform periodic inspections to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation of projects that may endanger public health, safety, or welfare, or the water resources. If deficiencies are found, the operation and maintenance entity will be responsible for correcting the deficiencies in a timely manner to prevent compromises to flood protection and water quality. See Section 12.4 of Applicant's Handbook Volume I for Minimum Operation and

Maintenance Standards.

RELATED CONCERNS:**Water Use Permit Status:**

Water Use Permit Number 06-04148-W for landscape irrigation was issued on February 4, 2015. The project will use surface water from the lakes as a source of irrigation.

Dewatering is not required for construction of this project.

This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation.

CERP:

The proposed project is not located within or adjacent to a Comprehensive Everglades Restoration Project component.

Potable Water Supplier:

City of Sunrise Utilities

Waste Water System/Supplier:

City of Sunrise Utilities

Right-Of-Way Permit Status:

A District Right-of-Way Permit is not required for this project.

Water Preserve Area:

This project is located within the boundaries of the Water Preserve Area Basin as defined in Chapter 40E-41.323, F.A.C. In accordance with 40E-41.363, F.A.C., Conditions of Issuance of Environmental Resource Permits and Surface Water Management Permits in the Water Preserve Area, Water Preserve Area Basin, or Adjacent to the Protective Levees, the applicant has demonstrated that the proposed project meets the criteria pursuant to this rule.

Historical/Archeological Resources:

The District has received correspondence from the Florida Department of State, Division of Historical Resources indicating that no significant archaeological or historical resources are recorded in the project area and the project is therefore unlikely to have an effect upon any such properties.

This permit does not release the permittee from compliance with any other agencies' requirements in the event that historical and/or archaeological resources are found on the site.

DEO/CZM Consistency Review:

The issuance of this permit constitutes a finding of consistency with the Florida Coastal Management Program.

Third Party Interest:

No third party has contacted the District with concerns about this application.

Enforcement:

There has been no enforcement activity associated with this application.

STAFF RECOMMENDATION TO EXECUTIVE DIRECTOR:

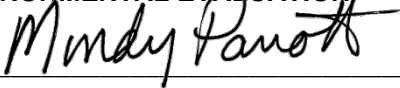
The Staff recommends that the following be authorized :

Construction and Operation of an 89.1-acre residential development project known as Sierra Ranch.

Based on the information provided, District rules have been adhered to.

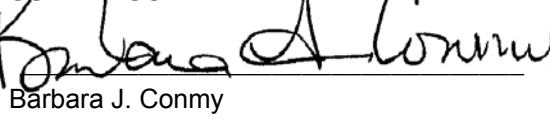
Staff recommendation is for approval subject to the attached
General and Special Conditions.

STAFF REVIEW:**NATURAL RESOURCE MANAGEMENT APPROVAL****ENVIRONMENTAL EVALUATION**




Melinda Parrott

SUPERVISOR




Barbara J. Conmy

SURFACE WATER MANAGEMENT APPROVAL**ENGINEERING EVALUATION**



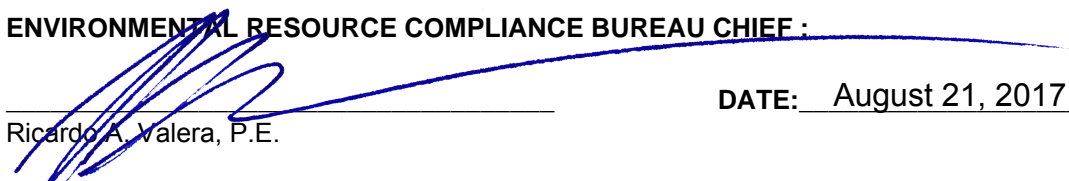
Carlos A. de Rojas, P.E.

SUPERVISOR



Carlos A. de Rojas, P.E.

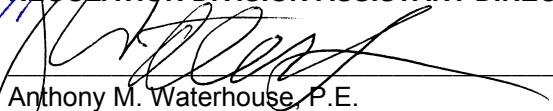
ENVIRONMENTAL RESOURCE COMPLIANCE BUREAU CHIEF :



Ricardo A. Valera, P.E.

DATE: August 21, 2017

REGULATION DIVISION ASSISTANT DIRECTOR :



Anthony M. Waterhouse, P.E.

DATE: 8/21/17

GENERAL CONDITIONS

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, Florida Administrative Code (F.A.C.). Any deviations that are not so authorized shall subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.
2. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.
3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the "State of Florida Erosion and Sediment Control Designer and Reviewer Manual" (Florida Department of Environmental Protection and Florida Department of Transportation June 2007), and the "Florida Stormwater Erosion and Sedimentation Control Inspector's Manual" (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.
4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice" indicating the expected start and completion dates. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.
5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.
6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
 - a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex- "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit"[Form 62-330.310(3)]; or
 - b. For all other activities- "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].
 - c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.
7. If the final operation and maintenance entity is a third party:
 - a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Applicant's Handbook Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
 - b. Within 30 days of submittal of the as- built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

GENERAL CONDITIONS

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

GENERAL CONDITIONS

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.
17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.
18. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on August 24, 2022.
2. Operation and maintenance of the stormwater management system shall be the responsibility of SIERRA RANCH HOMEOWNERS ASSOCIATION, INC. Within one year of permit issuance or concurrent with the engineering certification of construction completion, whichever comes first, the permittee shall submit a copy of the recorded deed restrictions (or declaration of condominium, if applicable), a copy of the filed articles of incorporation, and a copy of the certificate of incorporation for the association.
3. Discharge Facilities:

Basin: DEVELOPMENT

1-6' WIDE SHARP CRESTED weir with crest at elev. 4.8' NGVD 29.
 1-.25' dia. CIRCULAR ORIFICE with invert at elev. 4' NGVD 29.
 1-6' W X 6' L drop inlet with crest at elev. 6.2' NGVD 29.

Receiving body : PRESERVE
 Control elev : 4 feet NGVD 29.

Basin: PRESERVE

1-.4' W X 1' H RECTANGULAR NOTCH weir with crest at elev. 4' NGVD 29.
 1-3.33' W X 4.5' L drop inlet with crest at elev. 6.2' NGVD 29.

Receiving body : CBWCD N-17
 Control elev : 4 feet NGVD 29.

4. Lake side slopes shall be no steeper than 4:1 (horizontal:vertical) to a depth of two feet below the control elevation. Side slopes shall be nurtured or planted from 2 feet below to 1 foot above control elevation to insure vegetative growth, unless shown on the plans.
5. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.
6. The following are exhibits to this permit. Exhibits noted as incorporated by reference are available on the District's ePermitting website (<http://my.sfwmd.gov/ePermitting>) under this application number.
 - Exhibit No. 1 Location Map
 - Exhibit No. 2 Plans, Pages 1 - 13
 - Exhibit No. 3 Wetland Impacts and Mitigation Plan, Pages 1-14
 - Exhibit No. 4 Conservation Easement, Pages 1-10
 - Exhibit No. 5 Draft Financial Assurance, Pages 1-2
 - Exhibit No. 6 Work Schedule
7. Prior to initiating construction activities associated with this Environmental Resource Permit (ERP), the permittee is required to hold a pre-construction meeting with field representatives, consultants, contractors, District Environmental Resource Compliance (ERC) staff, and any other local government entities as necessary.

The purpose of the pre-construction meeting is to discuss construction methods, sequencing, best

SPECIAL CONDITIONS

management practices, identify work areas, staking and roping of preserves where applicable, and to facilitate coordination and assistance amongst relevant parties.

To schedule a pre-construction meeting, please contact ERC staff from the West Palm Beach Office at (561) 686-8800 or via e-mail at: pre-con@sfwmd.gov. When sending a request for a pre-construction meeting, please include the application number, permit number, and contact name and phone number.

8. Minimum building floor elevation: BASIN: PRESERVE - 8.50 feet NGVD 29.
9. Minimum road crown elevation: Basin: PRESERVE - 7.50 feet NGVD 29.
10. No construction dewatering is proposed. However, if in the future, the permittee determines that dewatering is required, an application for dewatering authorization must be submitted to the District and approved prior to the dewatering being conducted.
11. A mitigation program for Sierra Ranch shall be implemented in accordance with Exhibit No. 3. The permittee shall restore and enhance 23.86 acres of wetlands onsite.
12. Prior to commencement of construction and in accordance with the work schedule in Exhibit No. 6, the permittee shall submit documentation from the Florida Department of Environmental Protection that 3.01 freshwater herbaceous credits have been deducted from the ledger for FPL Everglades Mitigation Bank.
13. Prior to commencement of construction and in accordance with the work schedule in Exhibit 6 the permittee shall submit an electronic or hard copy version of the documentation that the executed conservation easement for the mitigation area(s) and associated buffer(s) has been accepted by Broward County for recording. The electronic version of the documentation shall be submitted via the District's ePermitting/eCompliance website.

The permittee shall submit an electronic or hard copy version of the certified copy of the recorded conservation easement for the mitigation area(s) and associated buffer(s) when these documents are available from the County.

The electronic version of the recorded conservation easement, and associated GIS information described below, shall be submitted via the District's ePermitting/eCompliance website. The GIS data shall be supplied in a digital ESRI Geodatabase (mdb), ESRI Shapefile (shp) or AutoCAD Drawing Interchange (dxf) file format using Florida State Plane coordinate system, East Zone (3601), Datum NAD83, HARN with the map units in feet. A map depicting the Conservation Easement over the best available satellite or aerial imagery shall also be provided. If the information is provided via hard copy the GIS data shall reside on CD disk and be submitted to the District's Environmental Resource Compliance Division in the service area office where the application was submitted.

The recorded easement shall utilize the form attached as Exhibit 4. Any proposed modification to the approved form must receive prior written consent from the District. The easement must be free of encumbrances or interests in the easement which the District determines are contrary to the intent of the easement. In the event it is later determined that there are encumbrances or interests in the easement which the District determines are contrary to the intent of the easement, the permittee shall be required to provide release or subordination of such encumbrances or interests.

14. Prior to the commencement of construction and in conformance with the work schedule in Exhibit 6, the permittee shall provide an original letter of credit in the amount of \$718,744.40 to ensure the permittee's financial ability and commitment to complete the proposed mitigation, monitoring and maintenance plan as shown on Exhibit No. 3. The financial assurance shall be in substantial







SPECIAL CONDITIONS

conformance with Exhibit No. 5. The financial assurance shall be in effect for the entire period of the mitigation and monitoring program. Notification to the District by the financial institution or surety that the financial assurance will not be renewed or is no longer in effect shall constitute non-compliance with the permit.

Should the permit be transferred from the construction to operational phase prior to the completion of the mitigation and monitoring program, it will be incumbent upon the original permittee to either keep the existing financial assurance in force or provide replacement financial assurance in the name of the operational entity. The existing financial assurance cannot be released until a replacement document is received and accepted by the District.

15. A monitoring program shall be implemented in accordance with Exhibit No. 3. The monitoring program shall extend for a period of 5 years with annual reports submitted to District staff. At the end of the first monitoring period the mitigation area shall contain an 80% survival of planted vegetation. The 80% survival rate shall be maintained throughout the remainder of the monitoring program, with replanting as necessary. If native wetland, transitional, and upland species do not achieve an 80% coverage within the initial two years of the monitoring program, native species shall be planted in accordance with the maintenance program. At the end of the 5 year monitoring program the entire mitigation area shall contain an 80% survival of planted vegetation and an 80% coverage of desirable obligate and facultative wetland species.
16. The District reserves the right to require remedial measures to be taken by the permittee if monitoring or other information demonstrates that adverse impacts to onsite or offsite wetlands, upland conservation areas or buffers, or other surface waters have occurred due to project related activities.
17. A maintenance program shall be implemented in accordance with Exhibit No. 3 for the restored/enhanced wetland areas on a regular basis to ensure the integrity and viability of those areas as permitted. Maintenance shall be conducted in perpetuity to ensure that the conservation areas are maintained free from Category 1 exotic vegetation (as defined by the Florida Exotic Pest Plant Council at the time of permit issuance) immediately following a maintenance activity. Maintenance in perpetuity shall also insure that conservation areas, including buffers, maintain the species and coverage of native, desirable vegetation specified in the permit. Coverage of exotic and nuisance plant species shall not exceed 5% of total cover between maintenance activities. In addition, the permittee shall manage the conservation areas such that exotic/nuisance plant species do not dominate any one section of those areas.
18. Permanent physical markers designating the preserve status of the wetland preservation areas and buffer zones shall be placed at the intersection of the buffer and each lot line. These markers shall be maintained in perpetuity.
19. Activities associated with the implementation of the mitigation, monitoring and maintenance plan(s) shall be completed in accordance with the work schedule attached as Exhibit No. 6. Any deviation from these time frames must be coordinated with the District's Environmental Resource Compliance staff, and may require a minor modification to this permit. Such requests must be made in writing and shall include (1) reason for the change, (2) proposed start/finish and/or completion dates; and (3) progress report on the status of the project development or mitigation effort.



| | | | |
|--|-----------------------------------|--------------------|--|
| Exhibit No: 1 | Exhibit Created On: 2014-12-24 | BROWARD COUNTY, FL | <div data-bbox="956 1663 1215 1713">  Application </div> <div data-bbox="956 1733 1238 1774"> Permit No.: 06-07569-P </div> <div data-bbox="956 1794 1324 1844"> Application Number: 141223-14 </div> <div data-bbox="1364 1653 1466 1834">  </div> <div data-bbox="987 1854 1426 1965">  Created by Regulation GIS Section South Florida Water Management District </div> |
| <div data-bbox="282 1733 705 1814"> REGULATION DIVISION Project Name: SIERRA RANCH </div> <div data-bbox="125 1834 227 1935">  </div> <div data-bbox="305 1884 729 1965"> <div>0 1,625 3,250</div> <div>  Feet </div> </div> <div data-bbox="807 1824 870 1945"> <div>N</div>  </div> | | | |

SIERRA RANCH

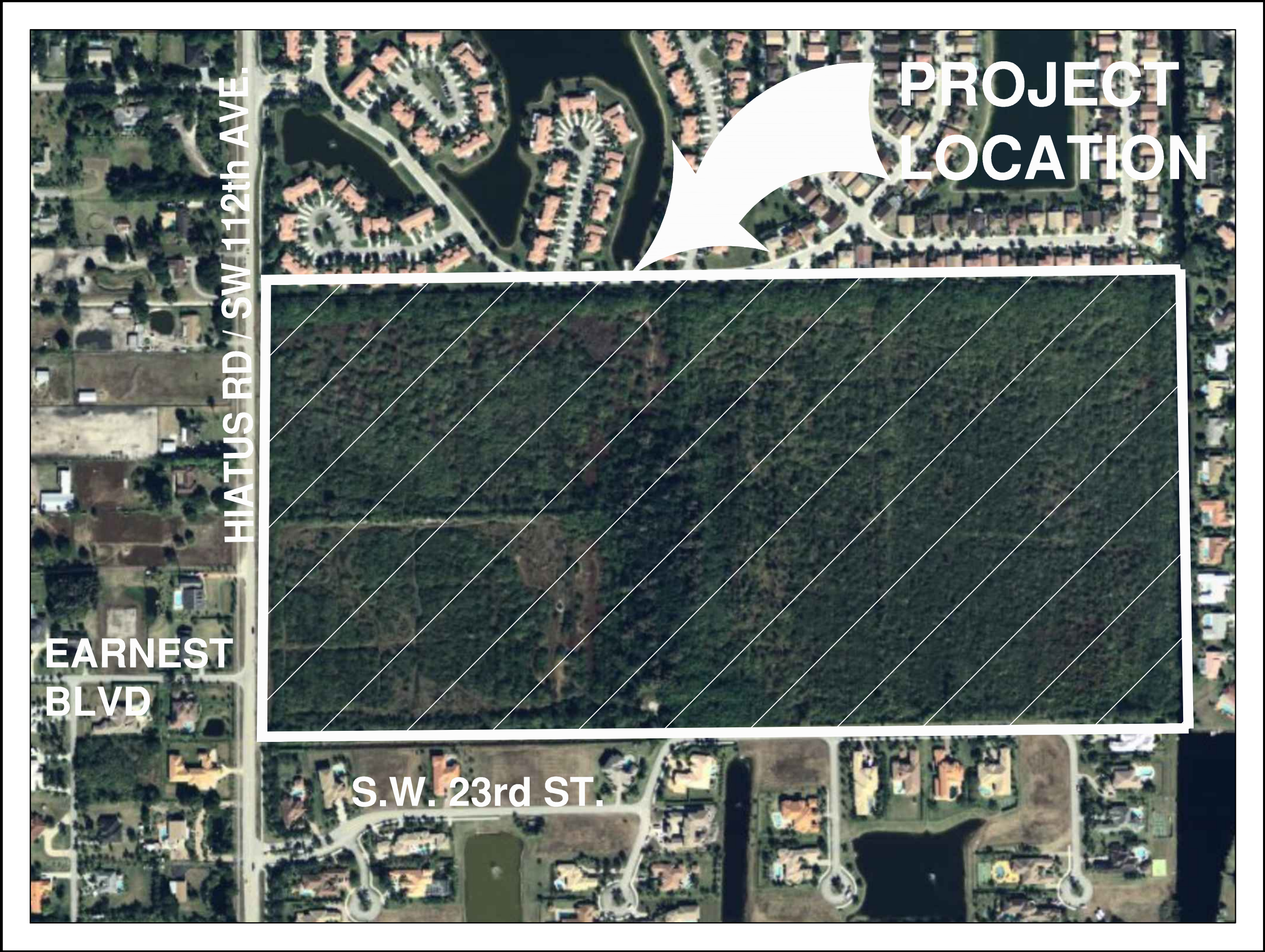
SECTION 18, TOWNSHIP 50 S, RANGE 41 E

BROWARD COUNTY, FLORIDA

| DWG NO: | DRAWING TITLE |
|----------------|--|
| C-1 | CIVIL ENGINEERING COVER SHEET |
| C-2 | GENERAL NOTES & SPECIFICATIONS |
| C-3 | DEMOLITION PLAN |
| C-4 | OVERALL DRAINAGE PLAN |
| C-5 THRU C-7 | PAVING, GRADING & DRAINAGE PLANS |
| C-8 | OVERALL WATER & SEWER PLAN |
| C-9 THRU C-11 | WATER & SEWER PLANS |
| C-12 THRU C-14 | SANITARY SEWER PROFILES |
| C-15 | EROSION CONTROL PLAN |
| C-16 THRU C-18 | PAVEMENT MARKING AND SIGNAGE PLANS |
| C-19 | FIRE ACCESS PLAN |
| C-20 THRU C-23 | PAVING, GRADING AND DRAINAGE DETAILS |
| C-24 | TYPICAL SECTIONS |
| C-25 | CITY OF SUNRISE STANDARD WATER DETAILS AND NOTES |
| C-26 | CITY OF SUNRISE GENERAL WATER AND SANITARY SEWER DETAILS AND NOTES |
| C-27 | CITY OF SUNRISE STANDARD SANITARY SEWER DETAILS AND NOTES |
| 1 of 1 | BOUNDARY SURVEY |

PROJECT TEAM

| | |
|---|---|
| OWNER / DEVELOPER: | HOME DYNAMICS CORPORATION 4755 TECHNOLOGY WAY, SUITE 210 BOCA RATON, FLORIDA 33431 (561) 869-1800 EMAIL: ADELFINO@HOMEDYNAMICS.COM |
| AGENT / PLANNER: | DESIGN AND ENTITLEMENT CONSULTANTS, LLC 1402 ROYAL PALM BEACH BOULEVARD, SUITE 102 ROYAL PALM BEACH, FLORIDA 33411 (561) 707-3410 EMAIL: KEN@DESIGNANDENTITLEMENT.COM |
| CIVIL ENGINEER AND LANDSCAPE ARCHITECT: | CRAVEN THOMPSON & ASSOCIATES, INC. 3563 N.W. 53RD STREET FORT LAUDERDALE, FLORIDA 33309 (954) 739-6400 EMAIL: CEDWARDS@CRAVENTHOMPSON.COM EMAIL: SPEAVLER@CRAVENTHOMPSON.COM |
| SURVEYOR: | ABSOLUTE SURVEYING INC. 215 GOOLSBY BOULEVARD DEERFIELD BEACH, FLORIDA 33442 (954) 421-4170 EMAIL: |
| ENVIRONMENTAL CONSULTANT: | EW CONSULTANTS, INC. 601 HERITAGE DRIVE, SUITE 124 JUPITER, FLORIDA 33458 (561) 623-5475 EMAIL: MLINDGREN@EWCONSULTANTS.COM |



LOCATION MAP

SCALE: 1" = 300'±

PREPARED FOR:

HOME DYNAMICS CORPORATION

LEGAL DESCRIPTION

THE NORTH 1/2 OF THE NORTH 1/2 OF THE FOLLOWING DESCRIBED PROPERTY:

BEGINNING AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 50 SOUTH, RANGE 41 EAST, ACCORDING TO THE PLAT OF NEWMAN'S SURVEY, RECORDED IN PLAT BOOK 2, PAGE 26, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA; THENCE RUN NORTH 88°52'50" EAST ALONG THE SOUTH BOUNDARY OF SAID SECTION 2626.40 FEET, MORE OR LESS, TO THE EAST BOUNDARY OF THE WEST 1/2 OF SAID SECTION; THENCE CONTINUE NORTH 88°52'50" EAST 30.30 FEET TO A POINT; THENCE RUN NORTH 0°15'20" EAST, 2724.4 FEET, MORE OR LESS, TO A POINT ON THE NORTH BOUNDARY OF THE SOUTH 1/2 OF SAID SECTION, LOCATED 127.15 FEET EAST OF THE CENTER OF SAID SECTION; THENCE RUN WEST ALONG SAID NORTH BOUNDARY 127.15 FEET TO THE CENTER OF SAID SECTION; THENCE CONTINUE WEST ALONG SAID NORTH LINE 2773.31 FEET, MORE OR LESS, TO THE EAST BOUNDARY LINE OF RANGE 40 EAST; THENCE RUN SOUTHERLY ALONG SAID EAST BOUNDARY OF RANGE 40 EAST, 2724.7 FEET, MORE OR LESS, TO THE SOUTH LINE OF SAID SECTION 18 EXTENDED WESTERLY; THENCE RUN NORTH 88°52'50" EAST 244.10 FEET TO THE POINT OF BEGINNING; LESS THE WESTERLY 53 FEET THEREOF. SAID LANDS SITUATE, LYING AND BEING IN BROWARD COUNTY, FLORIDA.

THE SOUTH 1/2 OF THE NORTH 1/2 OF THE FOLLOWING DESCRIBED PROPERTY:

BEGINNING AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 50 SOUTH, RANGE 41 EAST, ACCORDING TO THE PLAT OF NEWMAN'S SURVEY, RECORDED IN PLAT BOOK 2, PAGE 26 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA; THENCE RUN NORTH 88°52'50" EAST ALONG THE SOUTH BOUNDARY OF SAID SECTION 2626.40 FEET, MORE OR LESS, TO THE EAST BOUNDARY OF THE WEST 1/2 OF SAID SECTION; THENCE CONTINUE NORTH 88°52'50" EAST 30.30 FEET TO A POINT; THENCE RUN NORTH 0°15'20" EAST, 2724.4 FEET, MORE OR LESS, TO A POINT ON THE NORTH BOUNDARY OF THE SOUTH 1/2 OF SAID SECTION, LOCATED 127.15 FEET EAST OF THE CENTER OF SAID SECTION; THENCE RUN WEST ALONG SAID NORTH BOUNDARY 127.15 FEET TO THE CENTER OF SAID SECTION; THENCE CONTINUE WEST ALONG SAID NORTH LINE 2773.31 FEET, MORE OR LESS, TO THE EAST BOUNDARY LINE OF RANGE 40 EAST; THENCE RUN SOUTHERLY ALONG SAID EAST BOUNDARY OF RANGE 40 EAST, 2724.7 FEET, MORE OR LESS, TO THE SOUTH LINE OF SAID SECTION 18 EXTENDED WESTERLY; THENCE RUN NORTH 88°52'50" EAST 244.10 FEET TO THE POINT OF BEGINNING; LESS THE WESTERLY 53 FEET THEREOF. SAID LANDS SITUATE, LYING AND BEING IN BROWARD COUNTY, FLORIDA.

ALSO KNOWN AS:

ALL OF THE PLAT OF "SIERRA ESTATES", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 173, PAGE 152, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

BENCHMARK REFERENCE: BROWARD COUNTY BENCHMARK #2352 BROWARD COUNTY ENGINEERING BRASS DISC AT THE NORTHEAST CORNER OF SECTION 13-50-40, ELEVATION = 7.16

SITE DATA

| | |
|---------------|---|
| LAND USE: | RESIDENTIAL |
| ZONING: | R-1 ESTATE DWELLING (LOTS 1, 45-48) R-2 LOW DENSITY DWELLING (REMAINDER OF PROPERTY) |
| FOLIO NUMBER: | 5041 1817 0010 |

NATIONAL FLOOD INSURANCE PROGRAM

NEW FLOOD PANEL NO.: 12011C0535H
NEW NAVD 88 ELEVATION: 6
NEW FLOOD ZONE: AH
EFFECTIVE DATE: 8/18/14

NOTES:

- 1.) ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NATIONAL GEODETICAL VERTICAL DATUM OF 1929, (N.G.V.D.), UNLESS OTHERWISE NOTED.
- 2.) CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF SUNRISE MINIMUM DESIGN AND CONSTRUCTION STANDARDS.

CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY

THE PUBLIC ROADWAYS INDICATED IN THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS OF FLORIDA"

Always call 811 two full business days before you dig to have underground utilities located and marked.



LEAVE BLANK - FOR CITY USE ONLY

| | | | | | |
|--------------|----------|-------------|-----|-------|--|
| DATE: | 10/28/16 | | | | |
| SCALE: | AS NOTED | | | | |
| DESIGNED BY: | M.R.N. | | | | |
| DRAWN BY: | E.H.M. | | | | |
| CHECKED BY: | C.E.E. | | | | |
| APPROVED BY: | C.E.E. | | | | |
| | | DESCRIPTION | BY: | DATE: | |



CRAVEN THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 5000114
NATIONAL FLOOD INSURANCE PROGRAM IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. © 2017

SIERRA RANCH

PREPARED FOR:

HOME DYNAMICS CORPORATION

4755 TECHNOLOGY WAY, SUITE 210

BOCA RATON, FLORIDA 33431

COVER SHEET

Chad E. Edwards, P.E.
Florida P.E. No. 59306
February 1, 2017

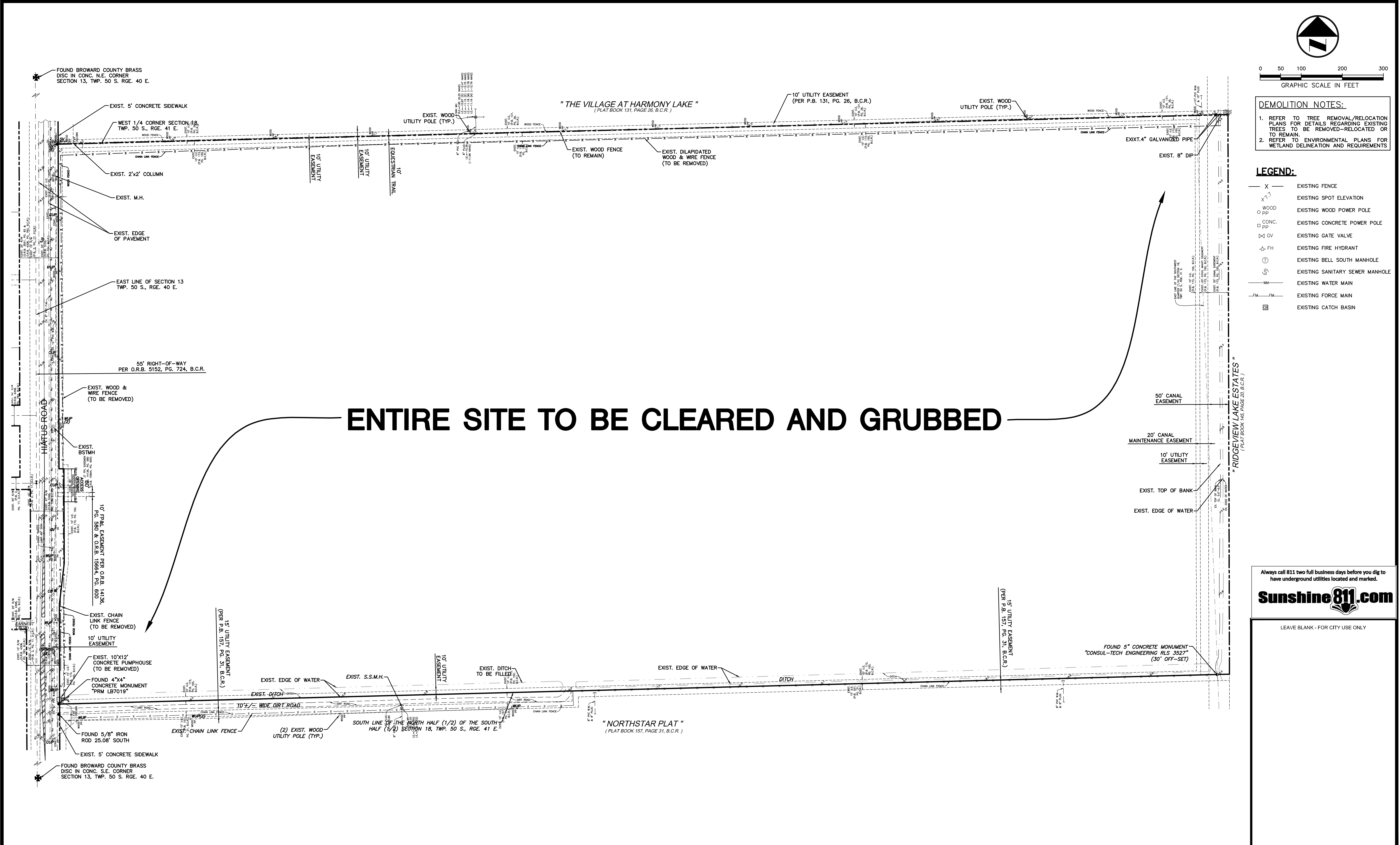
PROJECT #:
12-0093-001-06

DATE:
10/28/16

DRAWING NO.

C-1

[illegible]



| | | | | | |
|--------------|----------|-------------|-----|-------|--|
| DATE: | 10/28/16 | | | | |
| SCALE: | AS NOTED | | | | |
| DESIGNED BY: | M.R.N. | | | | |
| DRAWN BY: | E.H.M. | | | | |
| CHECKED BY: | C.E.E. | | | | |
| APPROVED BY: | C.E.E. | | | | |
| | | DESCRIPTION | BY: | DATE: | |



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FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 5200114
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SIERRA RANCH
PREPARED FOR:
HOME DYNAMICS CORPORATION
4755 TECHNOLOGY WAY, SUITE 210
BOCA RATON, FLORIDA 33431

DEMOLITION PLAN

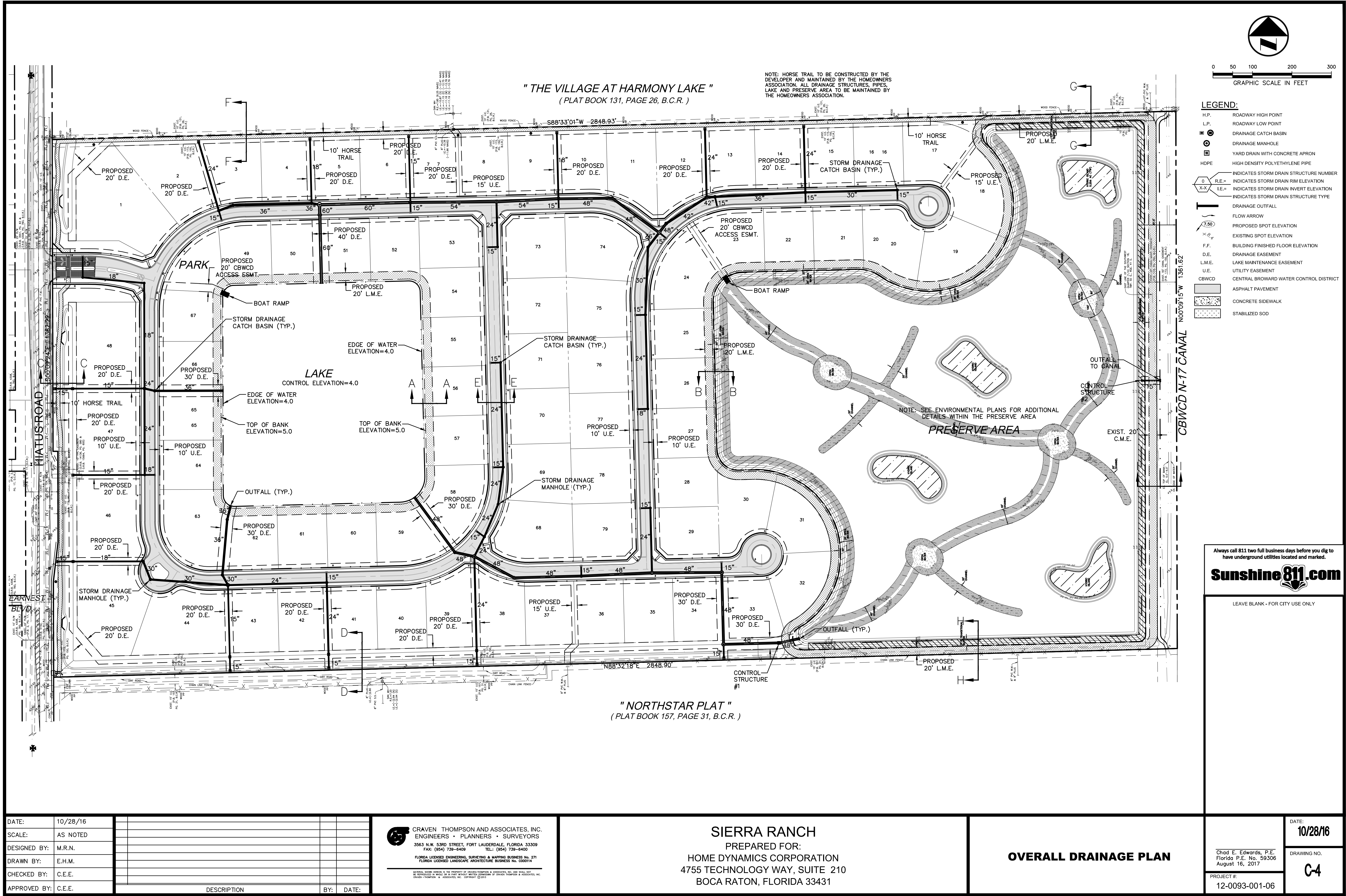
DATE:
10/28/16

DRAWING NO.
C-3


PROJECT #:
12-0093-001-06

Chad E. Edwards, P.E.
Florida P.E. No. 59306
February 1, 2017

G:\2012\12-0093-001-01 Sierra Ranch\Current\12-0093-PGD-OVERALL.dwg PGD-OVERALL 8/16/2017 8:11:55 AM
THOMPSON, DAVIS & ASSOCIATES, INC. PLOT FILE: ARCHT expand D (4x10x1.3600 Inches), 11





 **CRAVEN THOMPSON AND ASSOCIATES, INC.**
ENGINEERS • PLANNERS • SURVEYORS

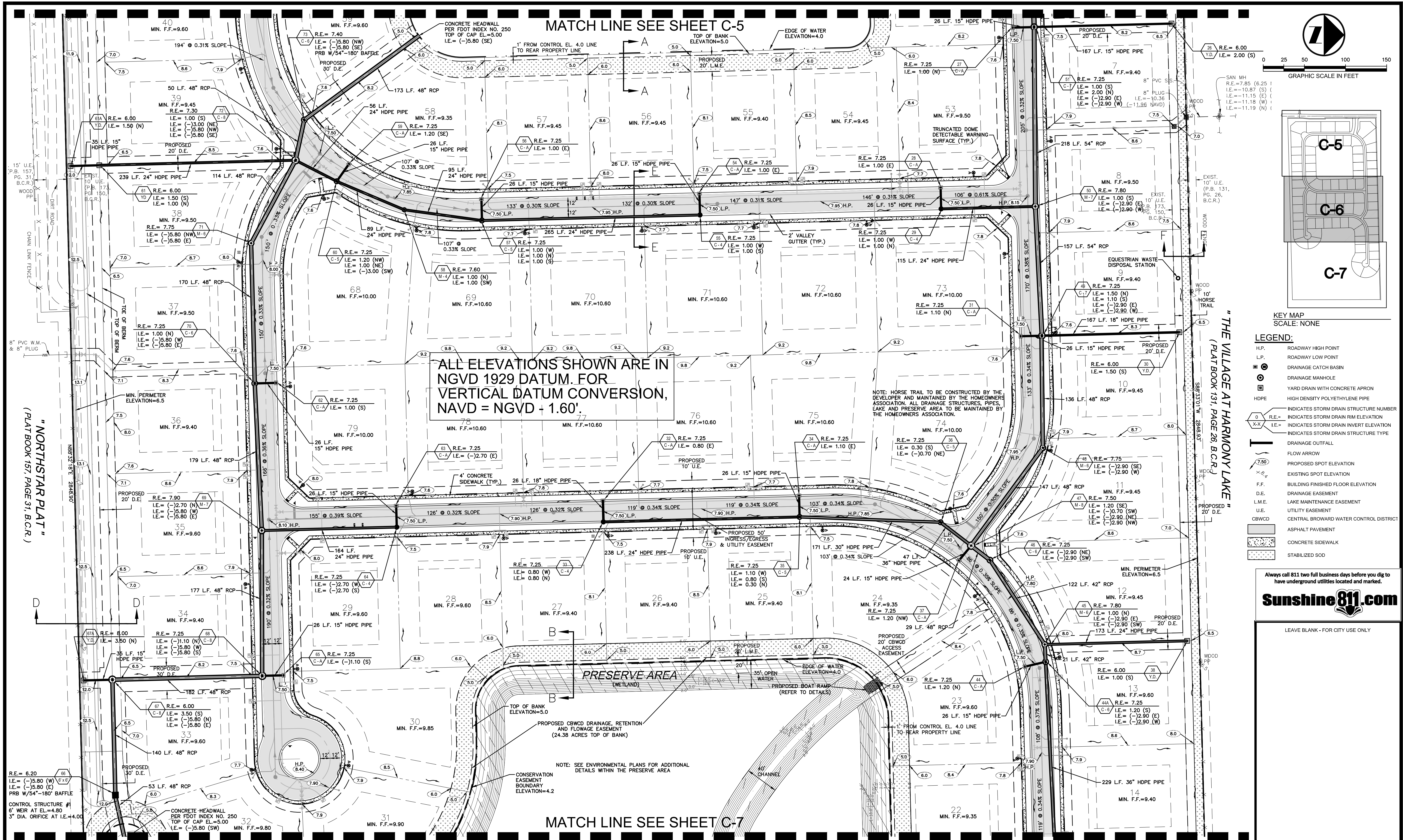
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

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| | |
|--|--------------------------------------|
| <p>DATE:</p> <p>10/28/16</p> | <p>DRAWING NO.</p> <p>C-5</p> |
| <p><u>Chad E. Edwards, P.E.</u> Florida P.E. No. 59306 August 16, 2017</p> | |
| <p>PROJECT #:</p> <p>12-0093-001-06</p> | |

C:\2023\12-0093-001-01 Sierra Ranch\Current\12-0093-001.dwg, PG. 26, 8/16/2017 8:17:48 AM, 11
M:\WORK\DWG\12-0093-001-01.dwg, PG. 26, 8/16/2017 8:17:48 AM, 11



| | | |
|--------------|----------|-------|
| DATE: | 10/28/16 | |
| SCALE: | AS NOTED | |
| DESIGNED BY: | M.R.N. | |
| DRAWN BY: | E.H.M. | |
| CHECKED BY: | C.E.E. | |
| APPROVED BY: | C.E.E. | |
| DESCRIPTION | BY: | DATE: |



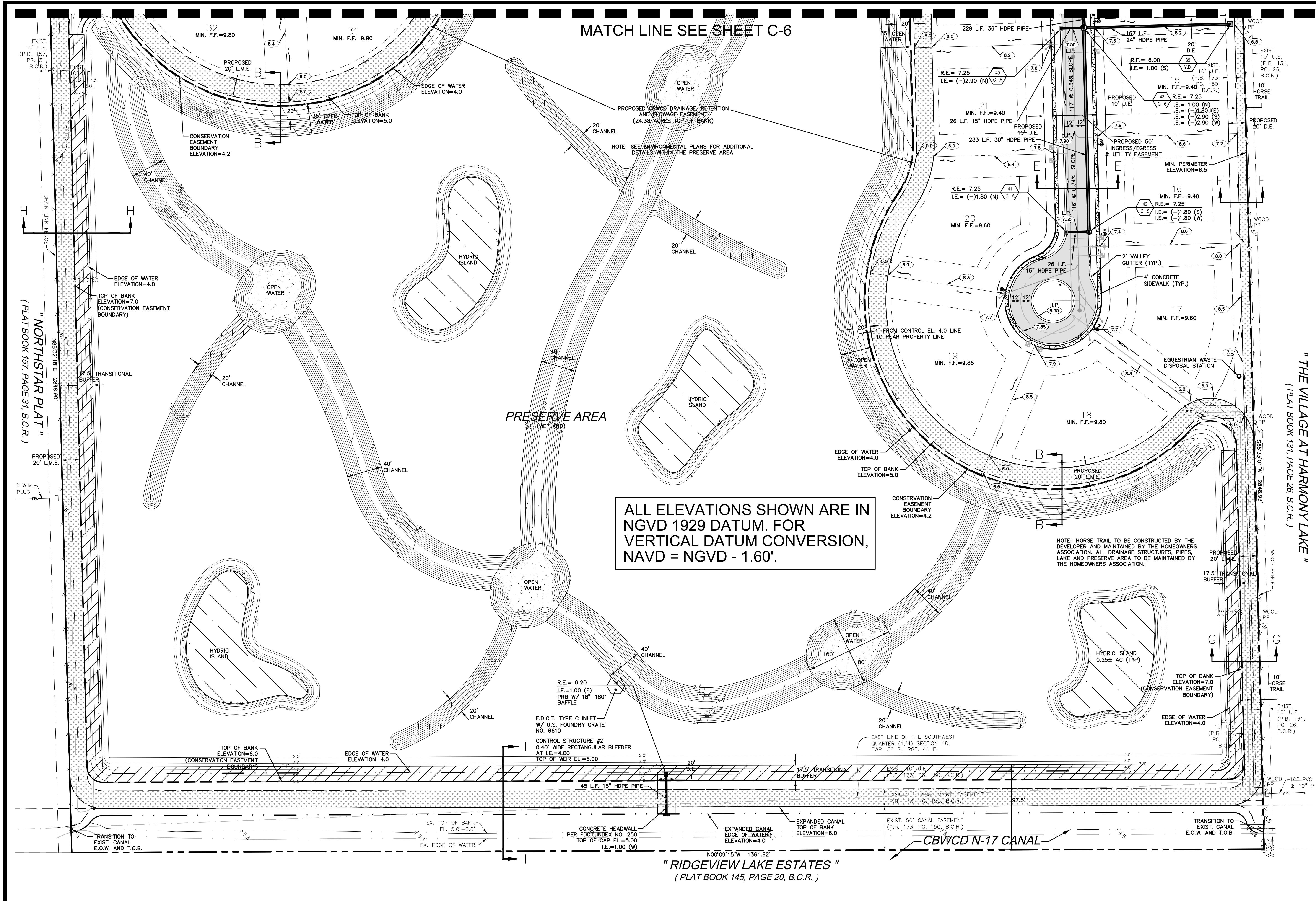
CrAVEN THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 5000114
MATERIAL SPECIFICATIONS ARE THE PROPERTY OF CRAVEN THOMPSON AND ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF CRAVEN THOMPSON AND ASSOCIATES, INC.

SIERRA RANCH
PREPARED FOR:
HOME DYNAMICS CORPORATION
4755 TECHNOLOGY WAY, SUITE 210
BOCA RATON, FLORIDA 33431

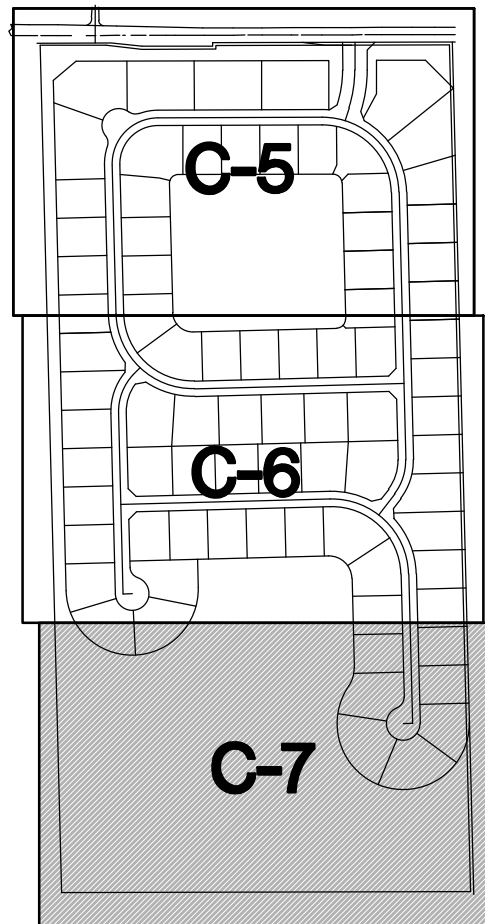
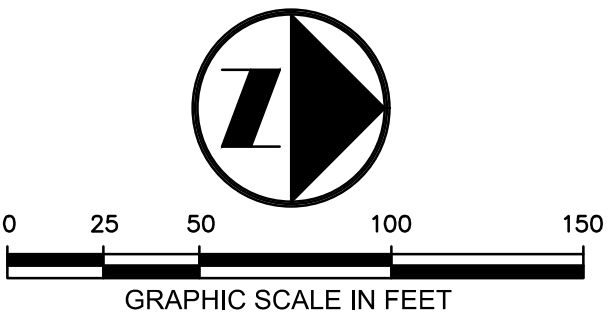
PAVING, GRADING
AND DRAINAGE PLAN

| | |
|--|----------------|
| DATE: | 10/28/16 |
| DRAWING NO. | C-6 |
| PROJECT #: | 12-0093-001-06 |
| Chad E. Edwards, P.E. Florida P.E. No. 59306 August 16, 2017 | |

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mhwad.ctb DWS to PLOT.ctb, ARCHT expand D (4x10x1.3600 Inches), 11



MATCH LINE SEE SHEET C-6



KEY MAP
SCALE: NONE

LEGEND:

- H.P. ROADWAY HIGH POINT
- L.P. ROADWAY LOW POINT
- Drainage Catch Basin
- Drainage Manhole
- YARD DRAIN WITH CONCRETE APRON
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- INDICATES STORM DRAIN STRUCTURE NUMBER
- R.E.= INDICATES STORM DRAIN RIM ELEVATION
- I.E.= INDICATES STORM DRAIN INVERT ELEVATION
- INDICATES STORM DRAIN STRUCTURE TYPE
- Drainage Outfall
- Flow Arrow
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- F.F. BUILDING FINISHED FLOOR ELEVATION
- D.E. DRAINAGE EASEMENT
- L.M.E. LAKE MAINTENANCE EASEMENT
- U.E. UTILITY EASEMENT
- CBWCD CENTRAL BROWARD WATER CONTROL DISTRICT
- Asphalt Pavement
- Concrete Sidewalk
- Stabilized Sod

"THE VILLAGE AT HARMONY LAKE"
(PLAT BOOK 131, PAGE 26, B.C.R.)

ALL ELEVATIONS SHOWN ARE IN
NGVD 1929 DATUM. FOR
VERTICAL DATUM CONVERSION,
NAVD = NGVD - 1.60'.

NOTE: HORSE TRAIL TO BE CONSTRUCTED BY THE
DEVELOPER AND MAINTAINED BY THE HOMEOWNERS
ASSOCIATION. ALL DRAINAGE STRUCTURES, PIPES,
LAKE AND PRESERVE AREA TO BE MAINTAINED BY
THE HOMEOWNERS ASSOCIATION.

"NORTHSTAR PLAT"
(PLAT BOOK 157, PAGE 31, B.C.R.)

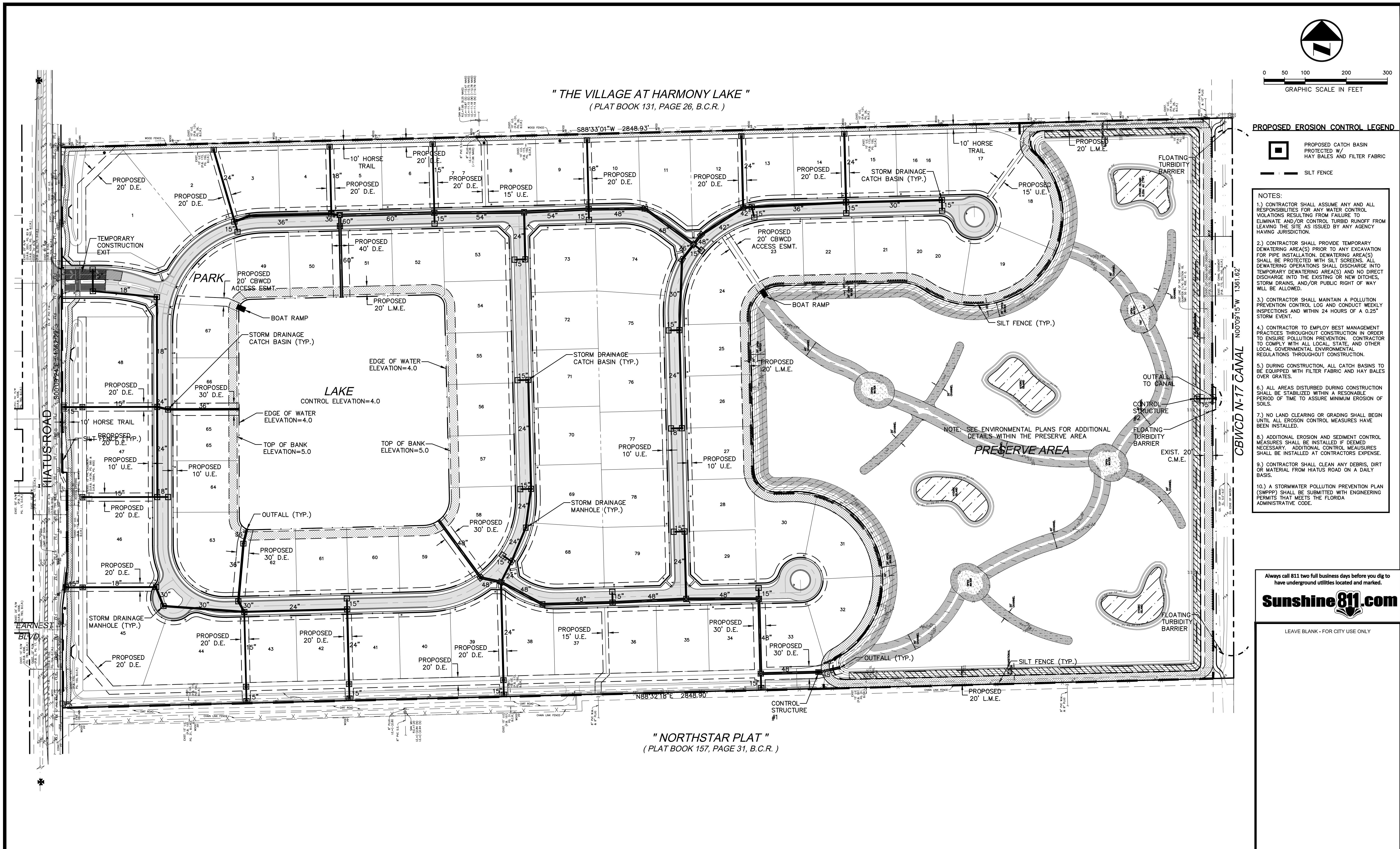
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| DATE: | 10/28/16 | | | | |
| SCALE: | AS NOTED | | | | |
| DESIGNED BY: | M.R.N. | | | | |
| DRAWN BY: | E.H.M. | | | | |
| CHECKED BY: | C.E.E. | | | | |
| APPROVED BY: | C.E.E. | | | | |
| DESCRIPTION | | BY: | DATE: | | |

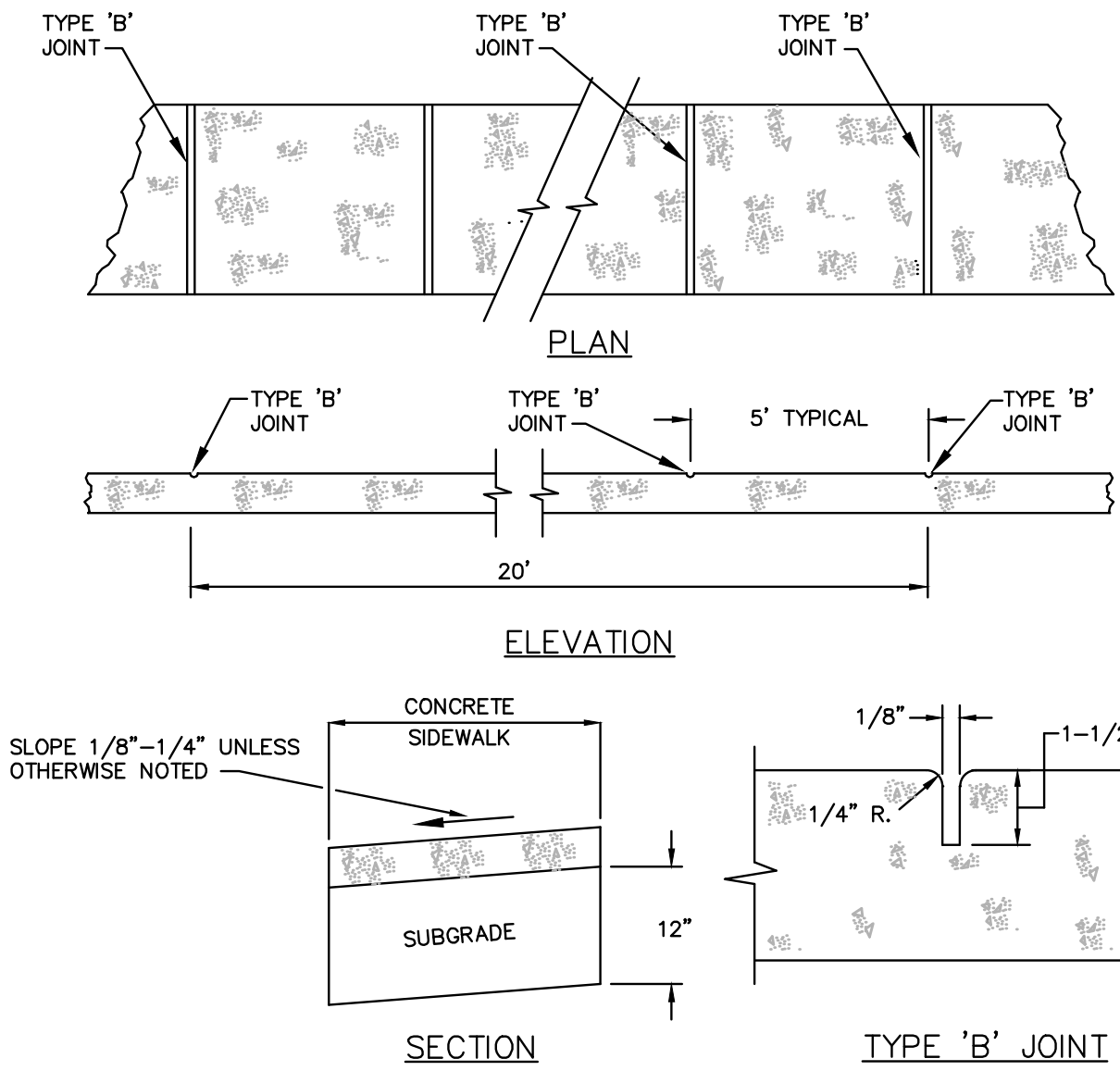
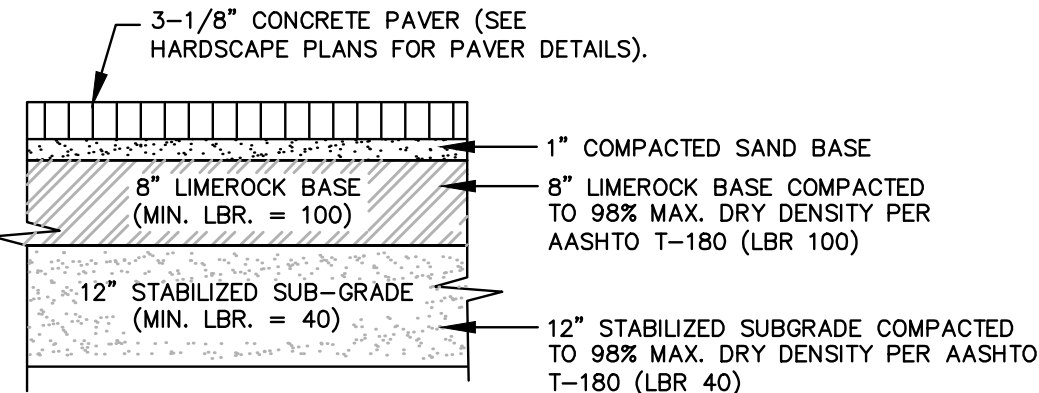
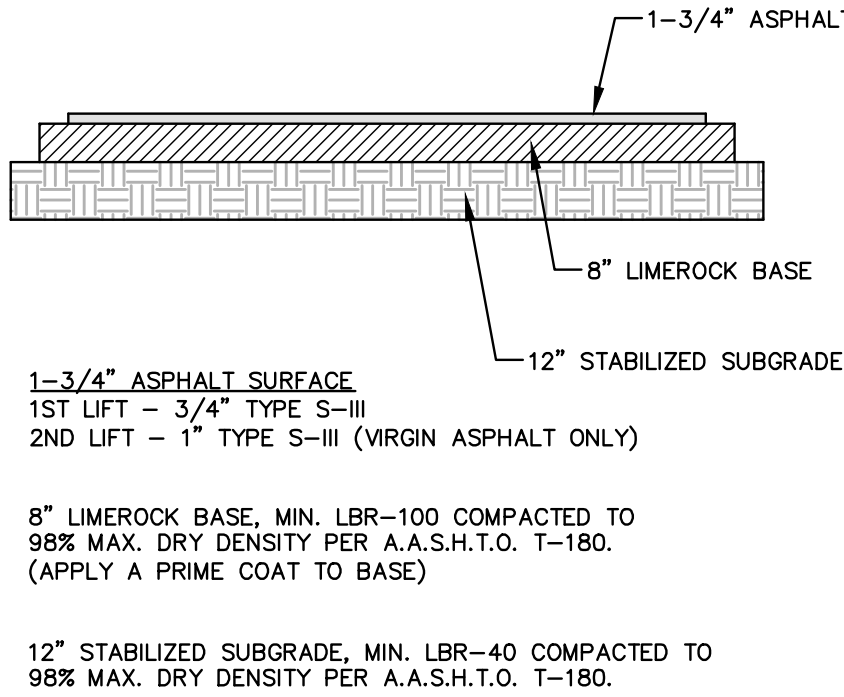
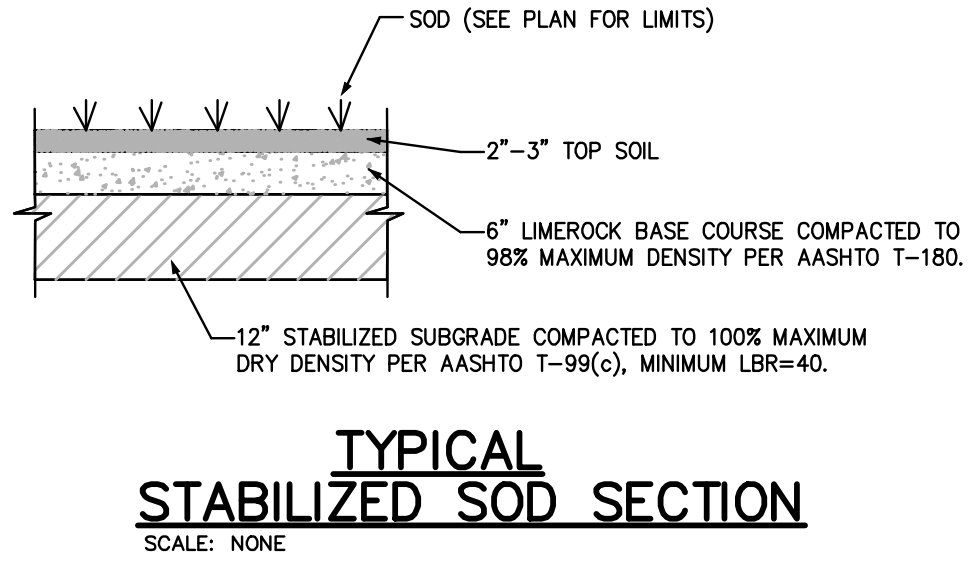
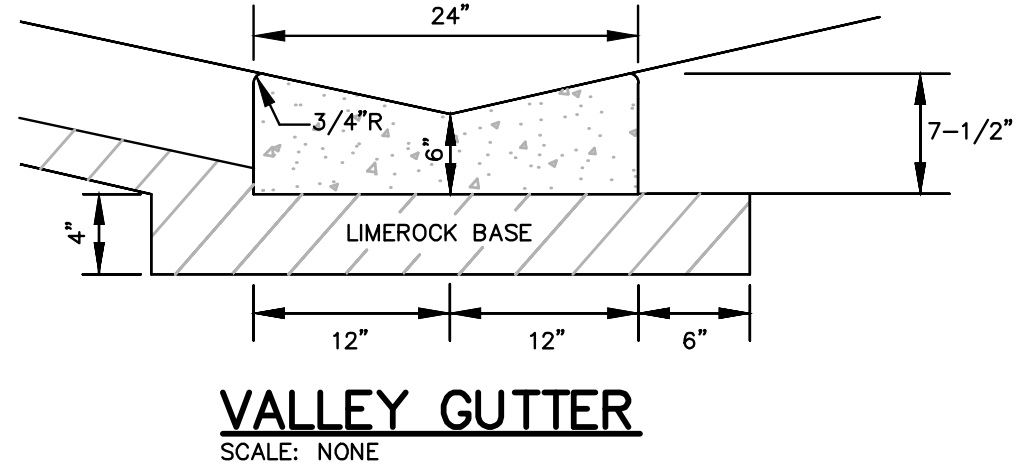
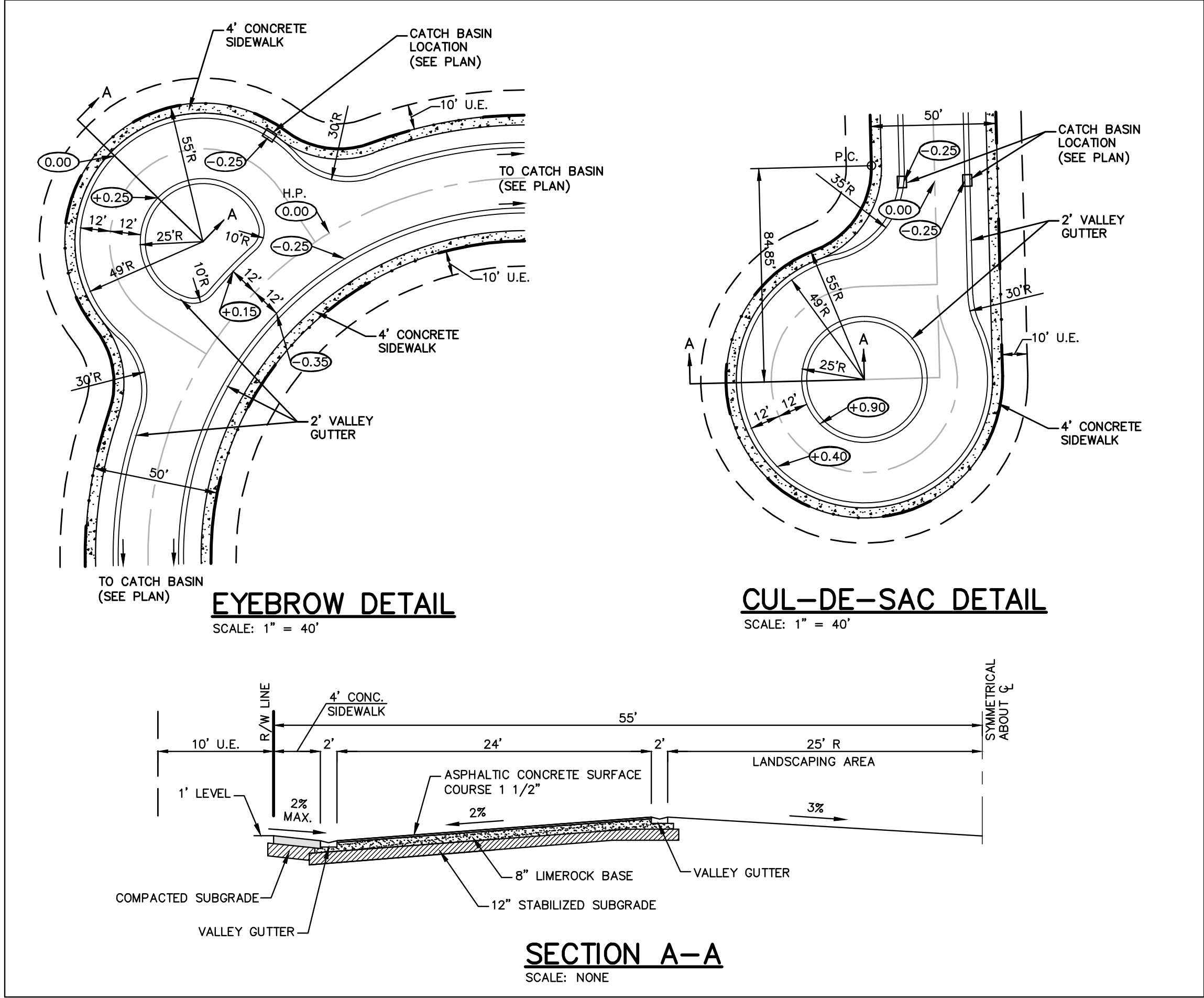
Craven Thompson and Associates, Inc.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 0000114
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CRAVEN-THOMPSON & ASSOCIATES, INC. 10/28/2016

SIERRA RANCH
PREPARED FOR:
HOME DYNAMICS CORPORATION
4755 TECHNOLOGY WAY, SUITE 210
BOCA RATON, FLORIDA 33431

**PAVING, GRADING
AND DRAINAGE PLAN**

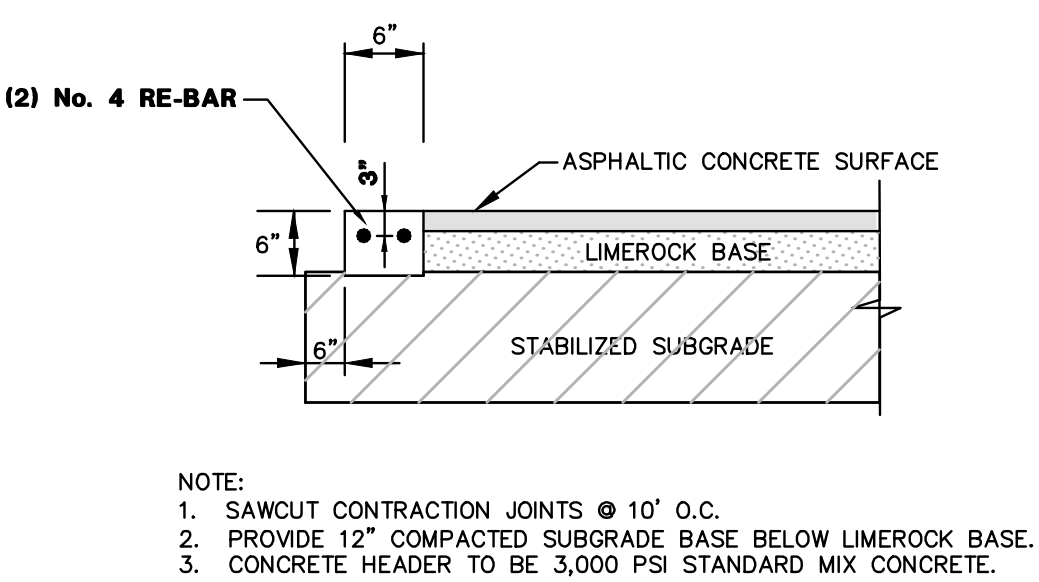
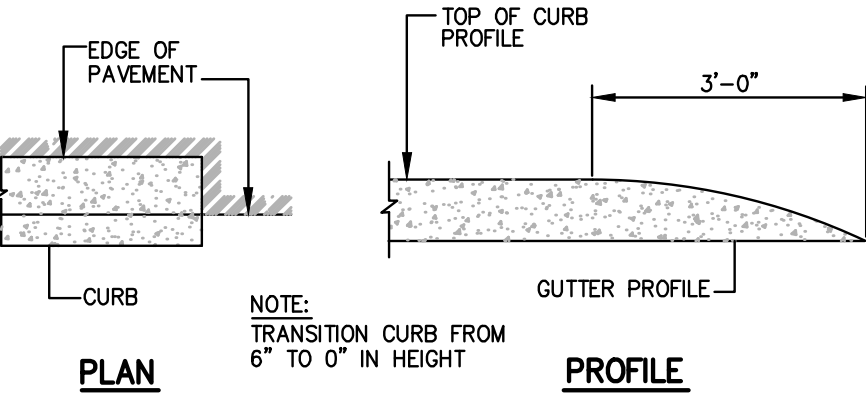
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| DATE: | 10/28/16 |
| DRAWING NO. | C-7 |
| PROJECT #: | 12-0093-001-06 |



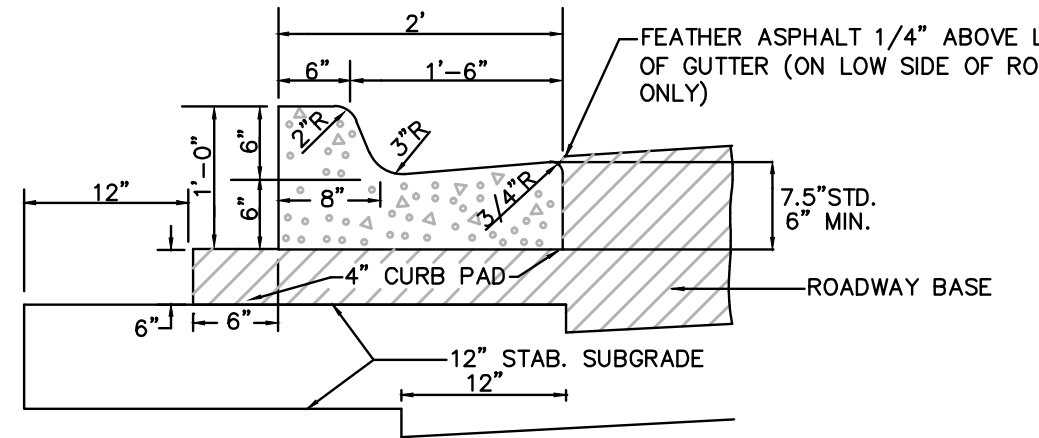


| TABLE OF SIDEWALK JOINTS | |
|--------------------------|---------------------------------------|
| TYPE | LOCATION |
| 'b' | 5 FEET CENTER TO CENTER ON SIDEWALKS. |

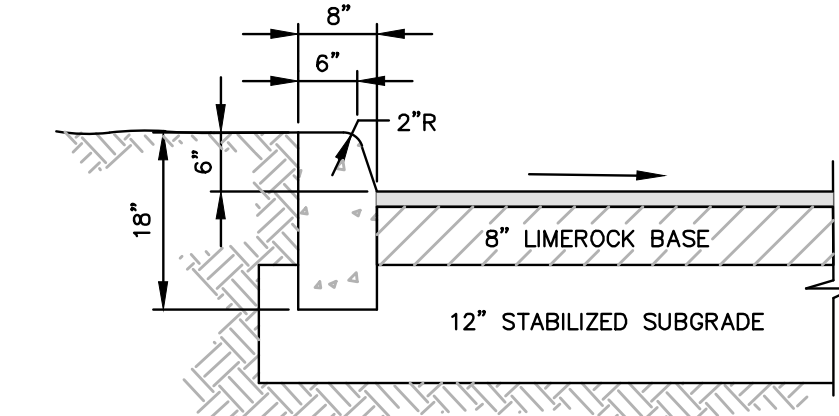
SIDEWALK DETAILS
SCALE: NONE



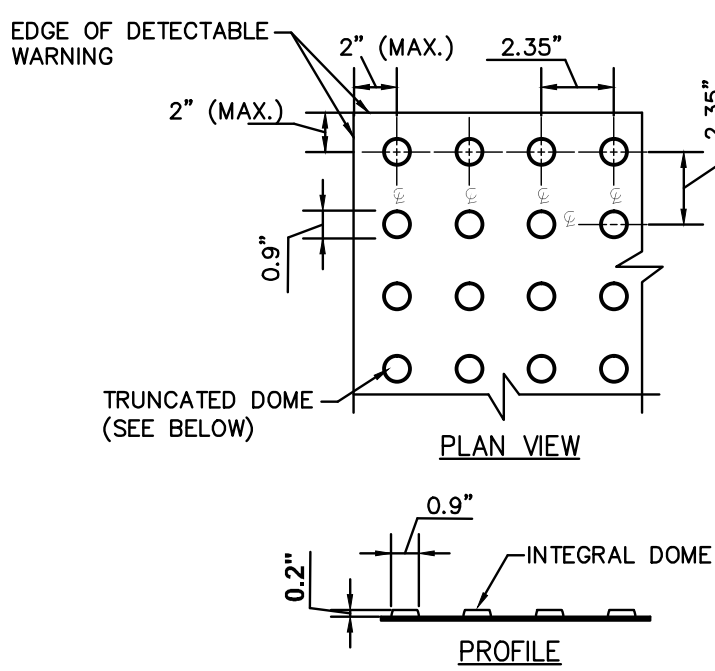
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SCALE: NONE



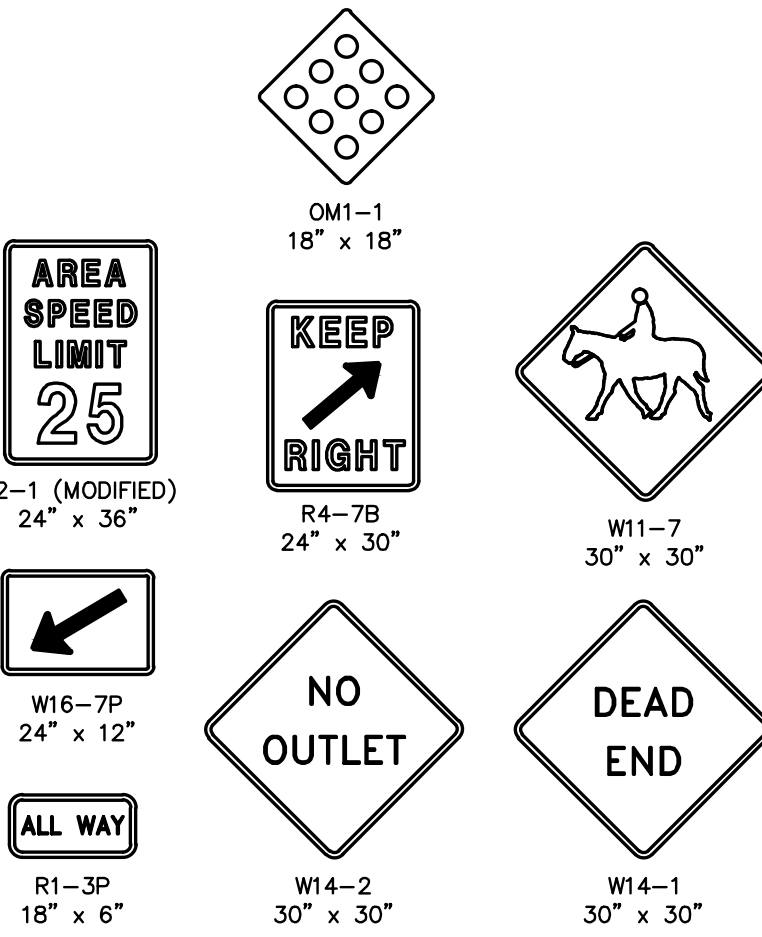
TYPE "F" CURB & GUTTER
SCALE: NONE



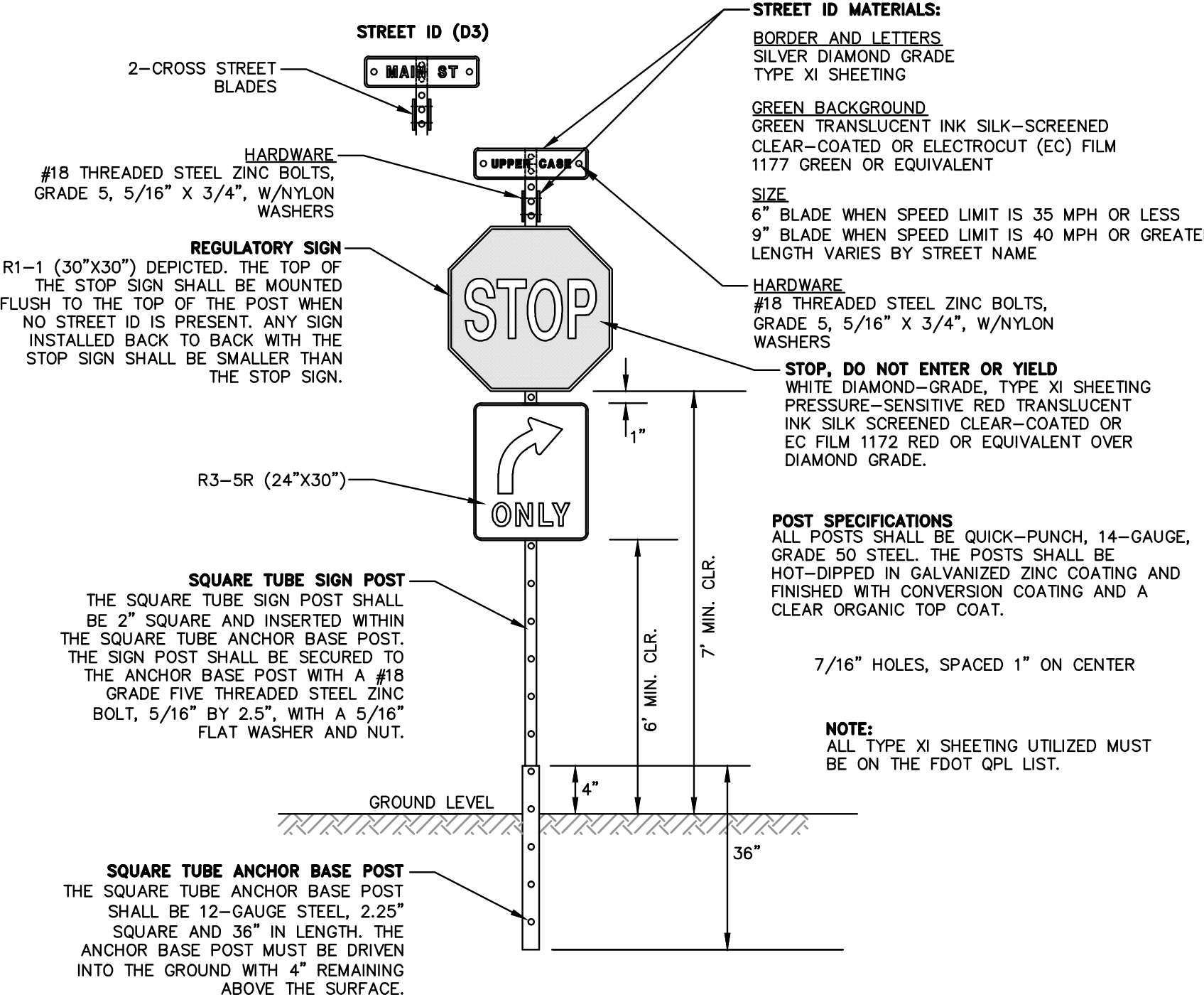
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SCALE: NONE



DETECTABLE WARNING - TRUNCATED DOME
SCALE: NONE



SIGNAGE DETAILS
SCALE: NONE



STOP SIGN AND STREET IDENTIFICATION ASSEMBLY
SCALE: NONE

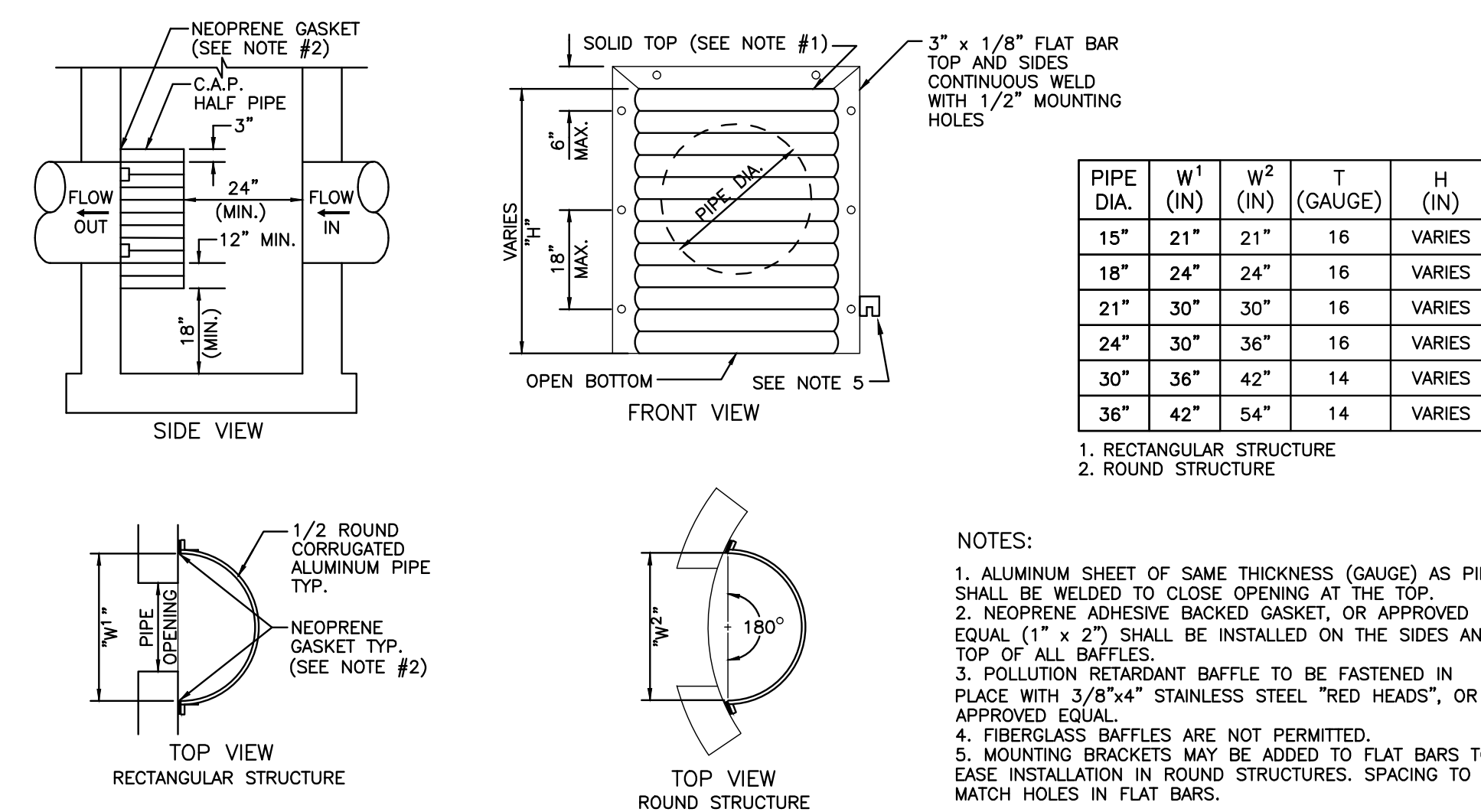
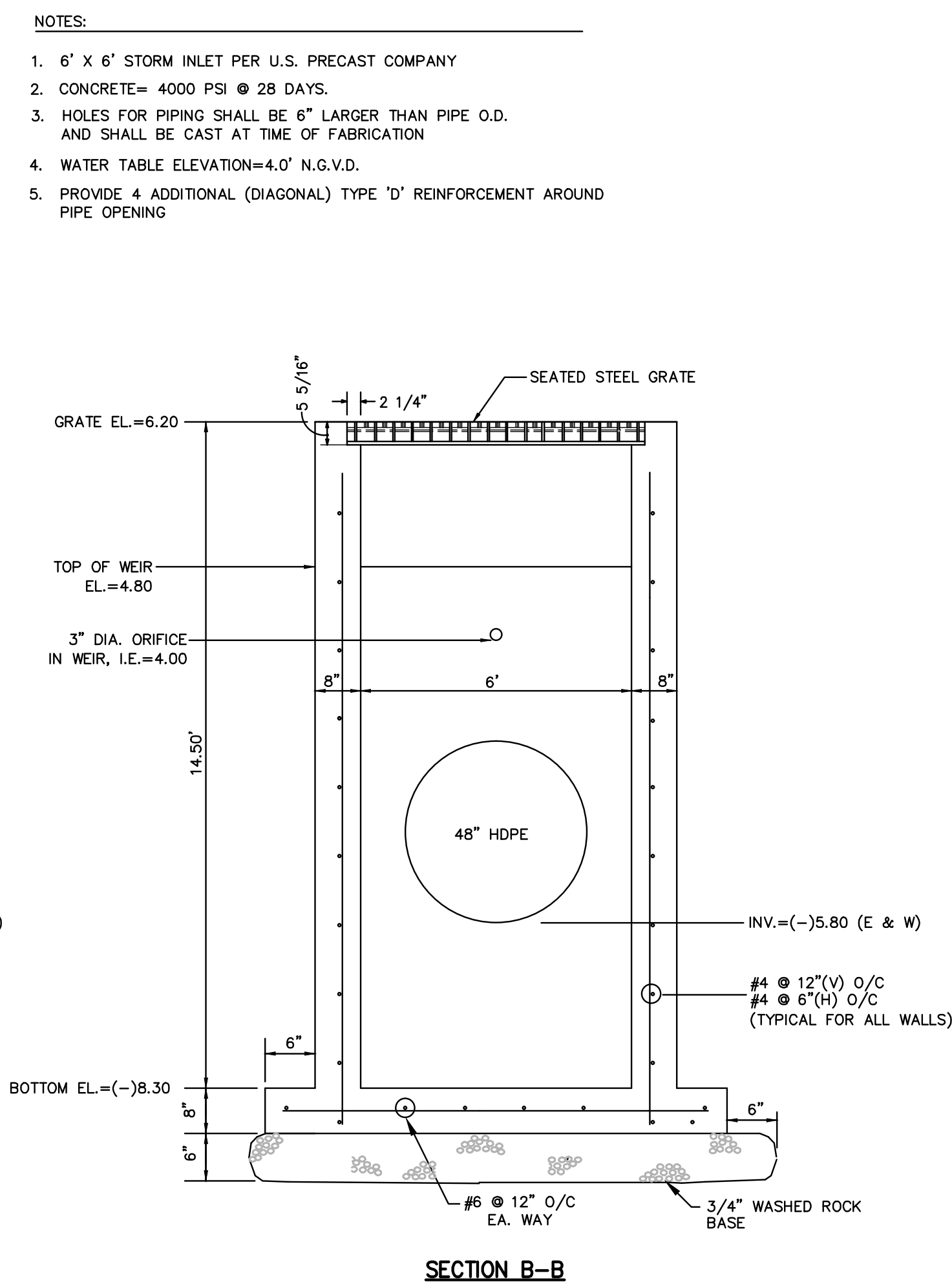
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|--------------|----------|-------------|-----|-------|--|
| DATE: | 10/28/16 | | | | |
| SCALE: | AS NOTED | | | | |
| DESIGNED BY: | M.R.N. | | | | |
| DRAWN BY: | E.H.M. | | | | |
| CHECKED BY: | C.E.E. | | | | |
| APPROVED BY: | C.E.E. | | | | |
| | | DESCRIPTION | BY: | DATE: | |

Craven Thompson and Associates, Inc.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 5200114
MATERIALS SECTION IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC.
DATE: 10/28/16 BY: C.E.E. PROJECT: 141223-14

SIERRA RANCH
PREPARED FOR:
HOME DYNAMICS CORPORATION
4755 TECHNOLOGY WAY, SUITE 210
BOCA RATON, FLORIDA 33431

PAVING, GRADING AND DRAINAGE DETAILS

| | |
|-------------|----------------|
| DATE: | 10/28/16 |
| DRAWING NO. | C-20 |
| PROJECT #: | 12-0093-001-06 |



RECOMMENDED MAXIMUM PIPE SIZE:
2'-0" WALL: 18" PIPE
3'-1" WALL: 24" PIPE (18" IF AN 18" PIPE
ENTERS THE 2'-0" WALL)

| PIPE DIA. | W ¹ (IN) | W ² (IN) | T (GAUGE) | H (IN) |
|-----------|------------------------|------------------------|--------------|-----------|
| 15" | 21" | 21" | 16 | VARIABLE |
| 18" | 24" | 24" | 16 | VARIABLE |
| 21" | 30" | 30" | 16 | VARIABLE |
| 24" | 30" | 36" | 16 | VARIABLE |
| 30" | 36" | 42" | 14 | VARIABLE |
| 36" | 42" | 54" | 14 | VARIABLE |

1. RECTANGULAR STRUCTURE
2. ROUND STRUCTURE

NOTES:

1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
2. APPROPRIATE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
3. POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"x4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
4. FIBERGLASS BAFFLES ARE NOT PERMITTED.

MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION OF ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.

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EW CONSULTANTS, INC.

NATURAL RESOURCE MANAGEMENT, WETLAND, AND ENVIRONMENTAL PERMITTING SERVICES



**ENVIRONMENTAL SUPPORT FOR APPLICATION
OF THE
ENVIRONMENTAL RESOURCE PERMIT
AND
ENVIRONMENTAL RESOURCE LICENSE**

SIERRA RANCH

**TOWN OF DAVIE
BROWARD COUNTY, FLORIDA**

**June 2015
(Revised November 2015)
(Revised June 2016)
(Revised June 2017)**

Prepared by:

**EW CONSULTANTS, INC.
2581 Metrocentre Blvd, Suite 1
West Palm Beach, FL 33407
561-291-7950**

I. PROJECT DESCRIPTION

The subject parcel is undeveloped land located in Section 18, Township 50 South, Range 41 East, in Broward County, Florida and is depicted on the Location Maps (Figures 1 and 2) provided in the Appendix. The parcel is surrounded on the north and south by residential development, on the west by Southwest 112th Avenue (Hiatus Road) and on the east by the N-17 Canal and residential development.

The project involves the construction of a residential development on an approximately 89.1-acre site. An individual Environmental Resource Permit (ERP) is required from South Florida Water Management District (SFWMD) because wetland impacts are proposed. An individual permit will also be required from the U.S. Army Corps of Engineers (ACOE), and an Environmental Resource License is required from Broward County Environmental Protection and Growth Management Department.

II. TOPOGRAPHY/HYDROLOGY

The U.S. Geological Survey topographic quadrangle (Hialeah Quadrangle) shows the property is generally flat topographically, with approximate elevations of 5-6 feet NGVD. Field reconnaissance indicates that the topography is generally consistent with the USGS quadrangle. However, surface water hydroperiod on the site and project vicinity appears to have been substantially altered from historical conditions by surrounding development, regional drainage, and past land uses. The wetland areas on the site display signs of inappropriate hydrology such as soil subsidence and encroachment of exotic and transitional vegetative species.

III. SOILS

Mapped soils on the parcel comprise Hallandale fine sand, Lauderhill muck and Margate fine sand. Field tests confirmed the presence of mapped soils in some areas of the parcel. However, the majority of the property has been disturbed and the soils altered. A description of each soil type is listed below. This description is based upon the general characteristics for the soil type illustrated in the Soils Survey of Broward County Area, Florida and is not necessarily indicative of the exact characteristics found on this property. A soils map with the site boundary is attached as Figure 2.

Hallandale fine sand (12). Under natural conditions Hallamlale fine sand is a nearly level, poorly drained, sandy soil that is underlain by lime-stone at a depth of 7 to 20 inches. Most of the areas of this soil is in natural vegetation or improved pasture. Typical natural vegetation includes scattered slash pine and saw palmetto, pineland three-awn, paspalum, blue panicum, blue maidencane, and bluestem.

Lauderhill muck (18). Under natural conditions Lauderhill muck is a nearly level, very poorly drained, organic soil underlain by limestone at a depth of 20 to 40 inches. It is in broad flats in the Everglades. Typical natural vegetation consists of sawgrass. In some places where the sawgrass has been burned, melaleuca has become established.

Margate fine sand (19). Under natural conditions Margate fine sand is a nearly level, poorly drained, sandy soil that is underlain by limestone at a depth of 20 to 40 inches but has solution holes as deep as 60 inches. It is on nearly level, low terraces between the Everglades and the low, sandy Coastal Ridge. Typical natural vegetation consists of native grasses, wax myrtle, and a few cypress trees.

While the above soil descriptions include dominant vegetation that may be found under natural conditions, observations of actual dominant vegetation on the property are different. Much of the property is dominated by exotic and nuisance vegetative species, which is likely a result of the long-term passive agricultural uses and fluctuations in the hydrological conditions in this region.

IV. SITE CONDITIONS

The site is mostly vacant and undeveloped. The site is surrounded by highway, undeveloped land, pasture, and a single-family residence. Much of the site was historically used for agricultural uses such as row crops and later as pasture land for cows. Pedestrian transects were conducted on the site and vegetative communities were mapped on a recent aerial photograph of the site. A description of each community type is provided in the Habitat/Land Use section of this report.

V. HABITAT/LAND USE

Field reconnaissance has been conducted on the property between February 2012 and the present time, during which four distinct land cover types were identified and mapped throughout the property. The observed land cover types and vegetative communities have been categorized in accordance with the Florida Land Use, Cover and Forms Classification System (FLUCFCS, January 1999) published by Florida DOT with a description of each land cover type provided below. Acreage figures provided are estimates based on aerial photo interpretation, survey information and field reconnaissance and mapping with the assistance of hand held GPS equipment. A map depicting the location and extent of the identified land cover types is provided in the Appendix as Figure 3 –FLUCFCS Map.

422 Brazilian Pepper – 16.2 acres

This vegetative community is found near and around the property boundaries. Brazilian pepper dominates the canopy and subcanopy in this community. Also present are scattered schefflera, black olive, live oak, bishopwood, seaside mahoe, queen palm, earleaf acacia, areca palm, woman's tongue, java plum, mango, carrotwood, wild coffee, and Surinam cherry. Caesar weed, shrubby false buttonweed, crowfoot, milkweed, ragweed, dog fennel, Bahia grass, smutgrass, oyster plant, elephant ear, philodendron, spanish needle, wedelia, grape vine, and wild poinsettia occur within the ground cover.

510 Ditches – 3.7 acres

This land use is found in several areas of the property. The ditches run east- west and north-south on the subject parcel. There does not appear to be connection to offsite waters.

619 Exotic Wetland Hardwoods – 65.5 acres

This vegetative community is found throughout the property. The majority of the canopy and subcanopy vegetation is dominated by Brazilian pepper. Also present are scattered wax myrtle, salt bush, Carolina willow, broomsedge, rushes, water pennywort, water hyssop, marsh fleabane, royal fern, giant leather fern, Old-world climbing fern, melaleuca and primrose willow.

641 Freshwater Marsh – 3.7 acres

Aerial photographs show what may have been freshwater marsh wetlands have decreased in size over time, due to the encroachment of exotic and nuisance species. The dominant vegetative species in the freshwater marsh include broomsedge, white top sedge, torpedo grass, spikerush, water pennywort, water hyssop, wax myrtle, cattails, royal fern, leather fern, primrose willow, marsh fleabane, smartweed, saltbush, melaleuca, Brazilian pepper and Carolina willow.

VI. CRITICAL HABITAT/LISTED SPECIES OBSERVATION

The project site was reviewed for the presence of habitat conducive to federal and state listed flora and fauna. Observations were made for the presence of any wildlife species listed as Endangered, Threatened, or Species of Special Concern by Florida Fish and Wildlife Conservation Commission (FWC) and/or United States Fish and Wildlife Service (FWS). The observation methodology included meandering pedestrian transects, including areas adjacent to wetlands.

No animal species listed as protected by federal, state, or local environmental regulatory agencies, nor any signs of such animals, were observed on the parcel.

No listed plant species protected by federal, state, or local environmental regulatory agencies were observed within the parcel.

Non-listed wildlife observed include Jesus lizard, eastern gray squirrel, mourning dove, mocking bird, blue jay, zebra longwing butterfly and dragonflies.

VII. WETLANDS

State, Federal and Broward County jurisdictional wetlands comprise 69.2 acres and other surface waters comprise 3.7 acres as shown on Figures 4 and 5. An informal wetland pre-application meeting was conducted with SFWMD, COE and Broward County in February 2013 to confirm the jurisdictional boundaries.

Primary wetland impacts resulting from fill and excavation for site development will occur over 48.9 acres of wetland and 3.7 acre of surface waters.

VIII. REDUCTION AND ELIMINATION OF WETLAND IMPACTS

The applicant reviewed site plan alternatives in an effort to eliminate and reduce impacts to the wetland areas.

The quality of the 69.2-acres of wetland is poor and has been highly impacted by exotic vegetation and altered hydrologic conditions resulting from previous agricultural uses and surrounding regional development.

So after careful consideration of wetland impact minimization and on-site mitigation options for this project, it was determined that the majority of the mitigation for wetland impacts will consist of on-site wetland enhancement and restoration. The restored areas will then be maintained and preserved in perpetuity.

IX. MITIGATION PLAN

As compensation for unavoidable direct wetland impacts, on-site wetland enhancement and restoration will occur within a 23.86-acre on-site area. Wetland impacts and mitigation for impacts occurring on-site were calculated using the Uniform Mitigation Assessment Method (UMAM) (See Attachments). The small deficit of mitigation will be compensated for at an off-site mitigation bank.

There will be 23.86 acres of wetlands that will be enhanced and restored on-site. This mitigation area will be excavated and graded to create herbaceous wetlands with higher areas of tree islands interspersed among the lower areas (Figures 6 and 6A). The proposed wetland enhancement and restoration involves reducing drainage and contouring the area to provide appropriate water levels for each habitat type. An appropriate hydroperiod within the wetland area will sustain native wetland plants and greatly increase the potential forage base for a variety of wetland dependent reptilian, amphibian, mammalian, and wading bird species. Avian perches and duck boxes will be incorporated also to promote avian utilization.

Habitat quality of the enhanced and restored wetland will be maintained by the removal of exotic and nuisance vegetation. After the wetland has been scraped down and contoured, the herbaceous portions of the wetland will be planted with appropriate native vegetation, two and a half feet on center. Tree islands will be planted with trees 10 feet on center and shrubs and grasses planted five feet on center. The plantings on the tree islands will be larger material to ensure diversity and survivability.

Planting Plan:

| Common Name | Species | Size | Density | Quantity |
|---|--------------------------------|-------------|----------------|-----------------|
| <i>Marsh (elevation 1.0 to 2.0 NGVD) 17.4 acres</i> | | | | |
| Pickernelweed | <i>Pontedaria cordata</i> | bare-root | 3' oc | 6,500 |
| Duck potato | <i>Sagittaria latifolia</i> | bare-root | 3' oc | 6,000 |
| Knotted spikerush | <i>Eleocharis interstincta</i> | bare-root | 3' oc | 12,000 |
| Alligator flag | <i>Thalia geniculata</i> | bare-root | 3' oc | 6,000 |
| Blue flag iris | <i>Iris virginica</i> | bare-root | 3' oc | 6,000 |
| Beak rush | <i>Rhynchospora microcarpa</i> | bare-root | 3' oc | 6,000 |
| Maidencane | <i>Panicum hemitomon</i> | bare-root | 3' oc | 8,000 |

| | | | | |
|-------------------|---------------------------|-----------|-------|--------|
| Soft rush | <i>Juncus effuses</i> | bare-root | 3' oc | 12,000 |
| Sawgrass | <i>Cladium jamaicense</i> | bare-root | 3' oc | 15,000 |
| Soft stem bulrush | <i>Scirpus validus</i> | bare-root | 3' oc | 10,000 |
| Giant bulrush | <i>Scirpus spp.</i> | bare-root | 3' oc | 10,000 |

Hydric Tree Islands (elevation 2.5 to 4.5 NGVD) 1.0 acre

| | | | | |
|-------------------|-----------------------------|-----------|--------|-------|
| Dahoon holly | <i>Ilex cassine</i> | 10 gallon | 10' oc | 126 |
| Red maple | <i>Acer rubrum</i> | 10 gallon | 10' oc | 126 |
| Red bay | <i>Persea borbonia</i> | 7 gallon | 10' oc | 126 |
| Pond apple | <i>Annona glabra</i> | 7 gallon | 10' oc | 126 |
| Wax myrtle | <i>Myrica cerifera</i> | 3 gallon | 5' oc | 1,010 |
| Coco plum | <i>Chrysobalanus icaco</i> | 3 gallon | 5' oc | 1,010 |
| Sand cordgrass | <i>Spartina bakeri</i> | 1 gallon | 3' oc | 2,800 |
| Fakahatchee grass | <i>Tripsacum floridanum</i> | 1 gallon | 3' oc | 2,800 |

Transitional Buffer (elevation 3.5 to 7.0 NGVD) 1.0 acre

| | | | | |
|-------------------|-----------------------------|-----------|--------|-------|
| Slash pine | <i>Pinus elliottii</i> | 10 gallon | 10' oc | 450 |
| Cabbage palm | <i>Sabal palmetto</i> | 10-12' | 10' oc | 160 |
| Firebush | <i>Hamelia patens</i> | 7 gallon | 5' oc | 815 |
| Coco plum | <i>Chrysobalanus icaco</i> | 3 gallon | 5' oc | 815 |
| Wax myrtle | <i>Myrica cerifera</i> | 3 gallon | 5' oc | 815 |
| Sand cordgrass | <i>Spartina bakeri</i> | 1 gallon | 3' oc | 3,390 |
| Fakahatchee grass | <i>Tripsacum floridanum</i> | 1 gallon | 3' oc | 3,390 |

The wetland mitigation area will be placed in a conservation easement. The preserve area will be posted with permanent signs and boundary markers. Boundary markers will be placed at the back of lots abutting the preserve area. Signs will be at least 11 x 14 inches in size and will be posted in conspicuous locations along the preserve area boundary, at a frequency of no less than one sign per 500 feet.

X. MAINTENANCE AND MONITORING

The enhanced and restored wetland will be maintained in perpetuity and monitored for a period of five years. Annual monitoring reports will include vegetation analysis along established transects, panoramic photographs and water level data.

Monitoring of the on-site mitigation area will ensure success of the mitigation activities. The survival rate of planted vegetation is expected to be maintained at least 80 percent. The vegetative coverage is expected to reach at least 80 percent areal coverage by the end of the second year monitoring period, with at least 40 percent coverage achieved in the first year. Maintenance will be conducted in perpetuity to ensure that the wetland is free of exotic vegetation (as currently defined by the Florida Exotic Pest Plan Council) immediately following a maintenance activity and that total coverage of exotic and nuisance plant species should constitute no more than 3 percent of the total preserve area between maintenance activities.

The preserve area will be posted with signage alerting adjacent property owners of the conservation status. Signs are depicted on the Mitigation Monitoring Plan Map. The property owner's association will be responsible for the maintenance and monitoring of the preserve area. Monitoring will occur in compliance with SFWMD and Broward County wetland monitoring guidelines with annual report for five years to SFWMD and quarterly reports for five years to Broward County to document wetland functional success. Upon completion of construction activities, a time zero baseline report will be filed. Anticipated transect and monitoring station locations are shown in Figure 7.

XI. CONSTRUCTION SEQUENCE

Mitigation activities will occur commensurate with site construction activities. Site construction and mitigation activities will occur immediately upon permit issuance. A time zero baseline monitoring report will be submitted upon completion of all mitigation activities. Estimated dates for completion of these activities are as follows:

| | |
|--------------------------|---|
| August 2017 | Permit Issuance |
| December 2017 | Recorded Conservation Easement and Financial Assurances Submitted |
| March 2018 | Mitigation Area Grading complete, As-Built Submitted |
| May 2018 | Completion of Mitigation Activities and Planting |
| May 2018 | Time Zero Monitoring Report to SFWMD, Broward, and ACOE |
| May 2019 | First Annual Monitoring Report to SFWMD, Broward and ACOE |
| May 2020 | Second Annual Monitoring Report to SFWMD, Broward and ACOE |
| May 2021 | Third Annual Monitoring Report to SFWMD, Broward and ACOE |
| May 2022 | Fourth Annual Monitoring Report to SFWMD, Broward and ACOE |
| May 2023 | Fifth Annual Monitoring Report to SFWMD, Broward and ACOE |

XII. COST ESTIMATES

The estimated cost for mitigation activities including earthwork and grading, wetland enhancement, restoration and planting, buffer creation and planting, and required maintenance and monitoring is approximately \$718,744. The breakdown of these costs is as follows:

| Description | Unit* | Quantity | Unit Cost | Estimated Cost |
|---------------------------------|--------------|-----------------|------------------|-----------------------|
| Wetland Earthwork / Scrape down | CY | 116,644 | \$ 3.50 | \$ 408,254.00 |
| Wetland Planting | AC | 23.86 | \$ 7,500 | \$ 178,950.00 |
| Wetland Maintenance | EA | 20 | \$ 2,500 | \$ 50,000.00 |
| Wetland Monitoring | EA | 6 | \$ 2,400 | \$ 14,400.00 |
| Subtotal | | | | \$ 651,604.00 |
| +10% = | | | | \$ 716,764.40 |

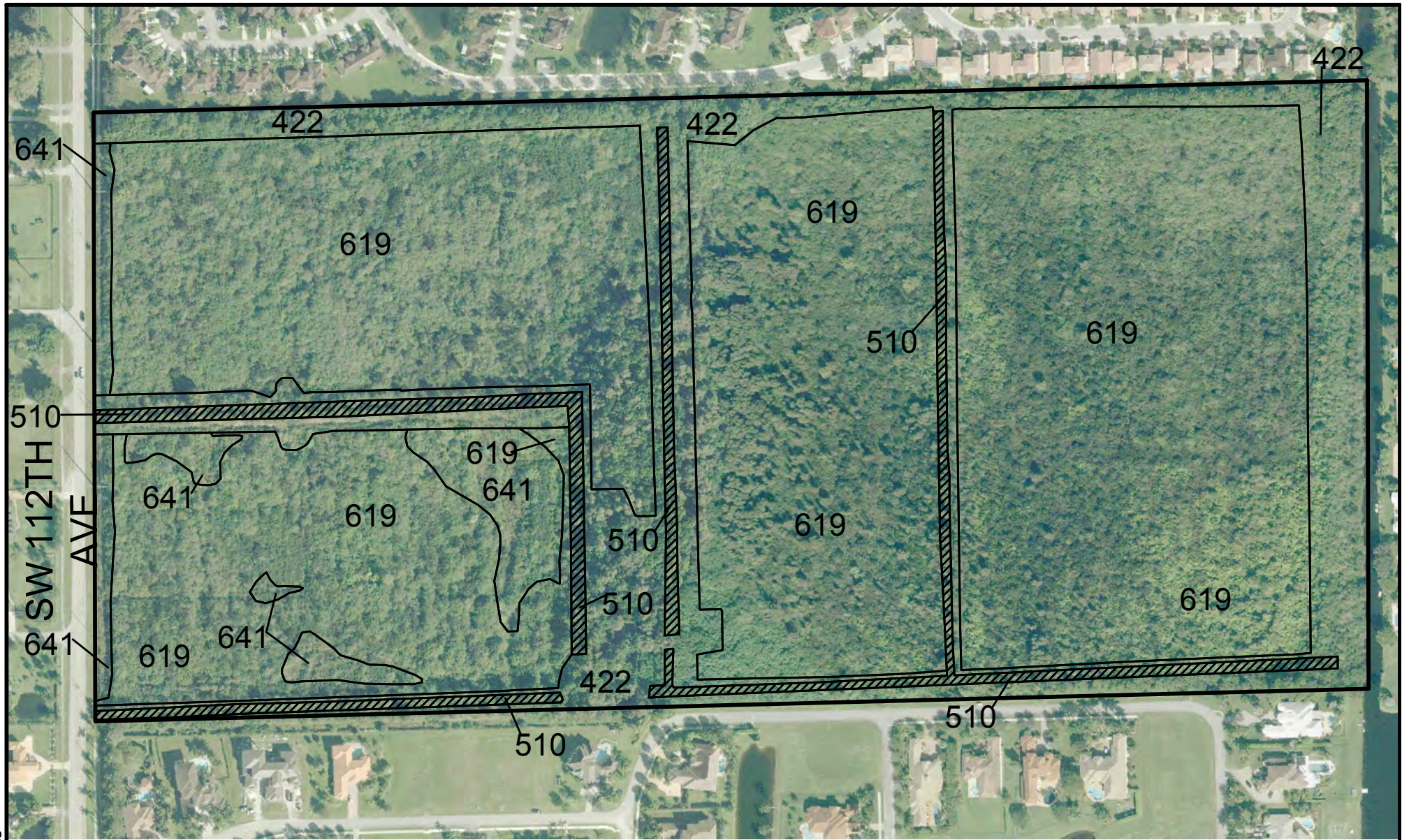
APPENDIX A

Maps and Figures:

Figure 1: Location Map
Figure 2: Quad Map
Figure 3: Aerial Map
Figure 4: FLUCFCS Map
Figure 5: Wetland Impact Map
Figure 6: Preserve Area Map
Figure 6A: Preserve Area Cross Sections
Figure 7: Wetland Monitoring Map

Attachments

Soils Report
UMAM Data Sheets and Summary



BROWARD COUNTY AERIALS DATED 2015

LEGEND

- 422 - BRAZILIAN PEPPER (16.2± AC)
- 510 - DITCHES (3.7± AC)
- 619 - EXOTIC WETLAND HARDWOODS (65.5± AC)
- 641 - FRESHWATER MARSHES (3.7± AC)
- TOTAL SITE (89.1± AC)

0 300
SCALE IN FEET

SIERRA RANCH FLUCFCS MAP



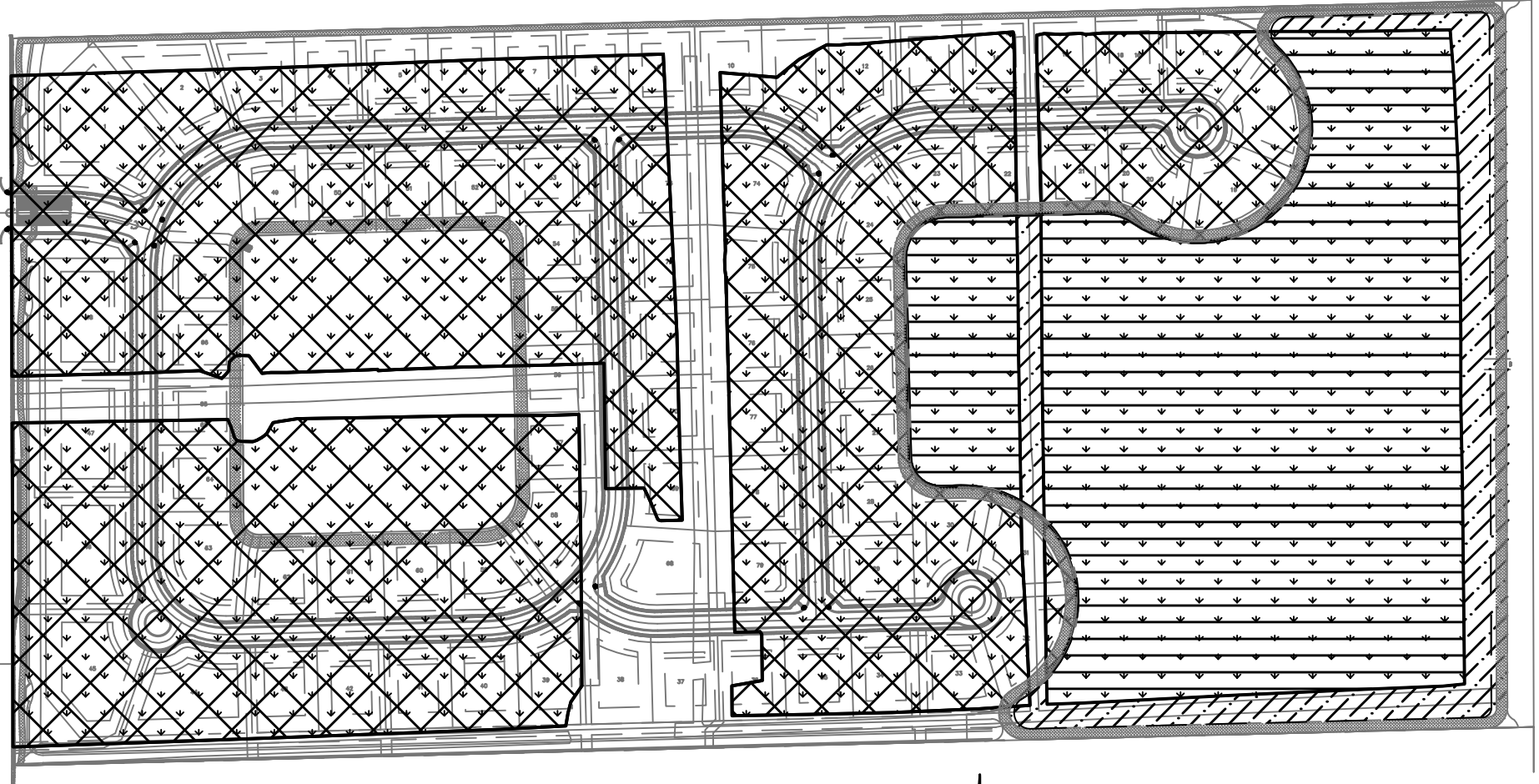
EW CONSULTANTS, INC.
601 HERITAGE DRIVE, SUITE 124
JUPITER, FLORIDA 33458
561-623-5475 FAX 561-623-5481
WWW.EWCONSULTANTS.COM

APRIL 2015

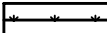
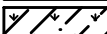

FIGURE

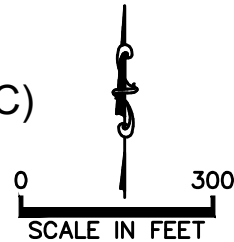
4

SW 112TH AVE



LEGEND

-  - WETLAND ENHANCEMENT (20.30± AC)
-  - WETLAND RESTORATION (3.56± AC)
-  - WETLAND IMPACT (48.90± AC)

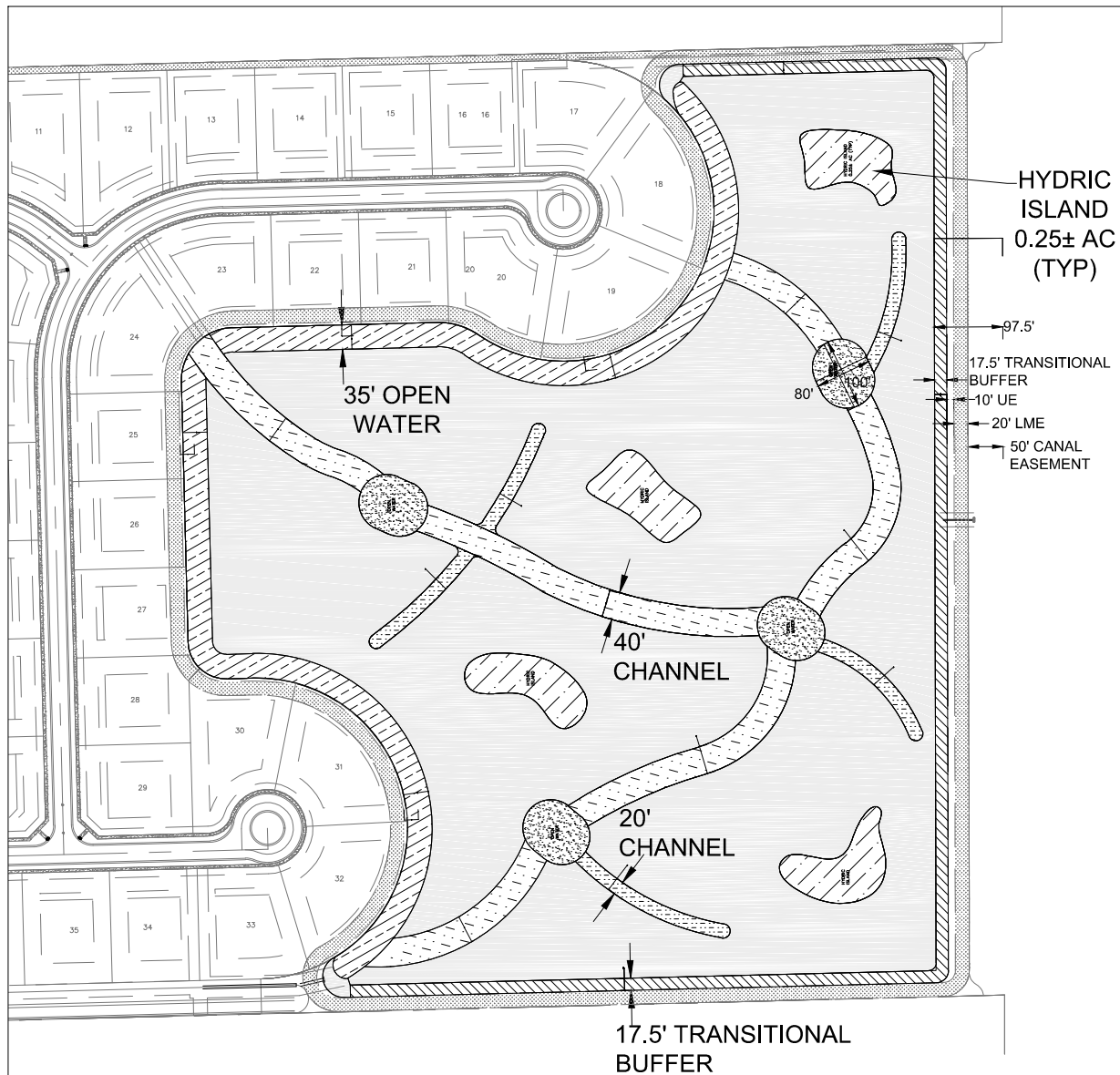


SIERRA RANCH WETLAND IMPACT



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JUNE 2017
FIGURE
5



LEGEND

- HYDRIC ISLAND (0.98± AC)
- 80' x 100' OPEN WATER (0.61± AC)
- 20' SECONDARY CHANNELS (0.46± AC)
- 40' PRIMARY CHANNELS (1.86± AC)
- 17.5' TRANSITIONAL BUFFER (1.01± AC)
- MARSH AREA (17.20± AC)
- 35' OPEN WATER (1.74± AC)
- TOTAL (23.86± AC)**

0 250
SCALE IN FEET



SIERRA RANCH PRESERVE AREA LAYOUT



EW CONSULTANTS, INC.

2581 METROCENTRE BLVD., SUITE 1
WEST PALM BEACH, FL 33407
561-291-7950 PHONE 561-530-4908 FAX
WWW.EWCONSULTANTS.COM

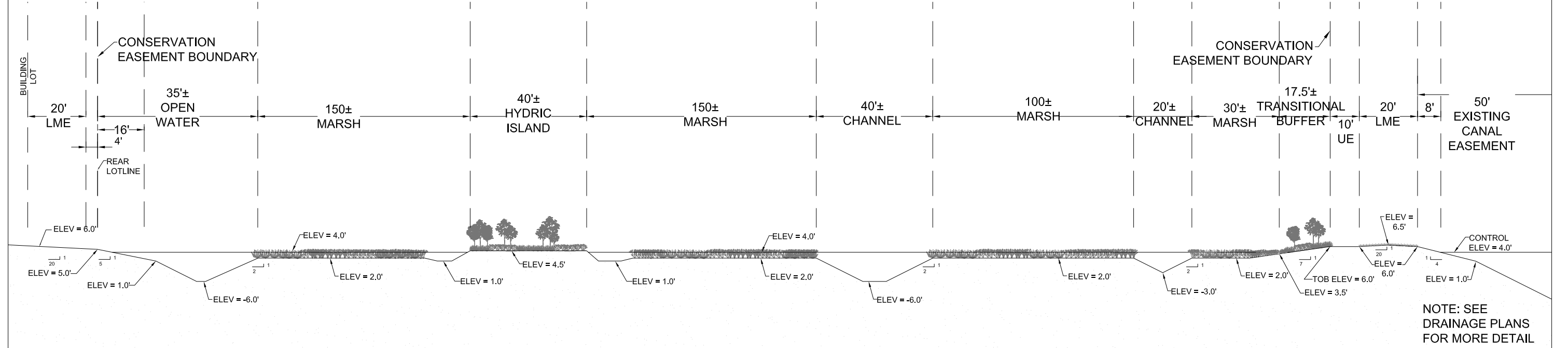
JUNE 2017

FIGURE

6

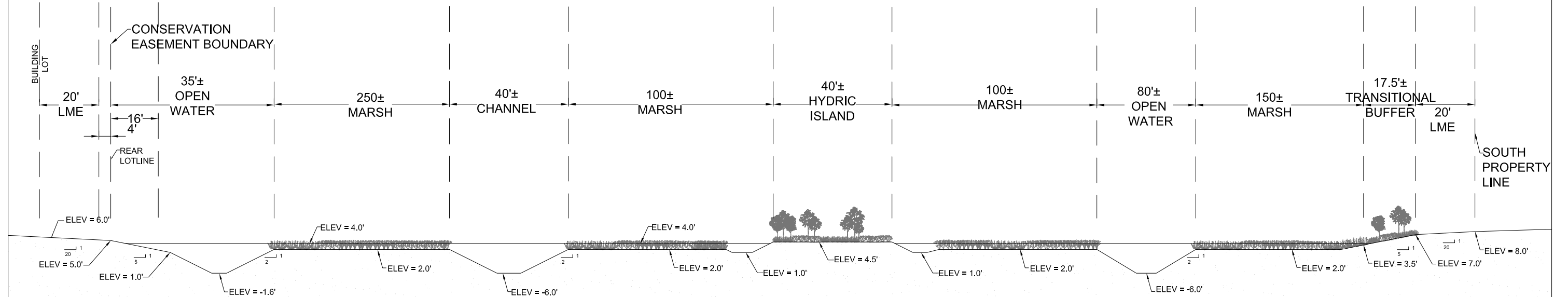
PRESERVE CROSS-SECTION A-A

NTS



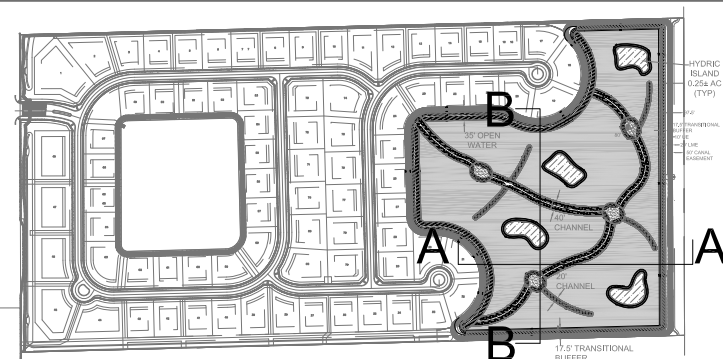
PRESERVE CROSS-SECTION B-B

NTS



KEY MAP

NTS



ALL ELEVATIONS SHOWN ARE IN NGVD 1929 DATUM

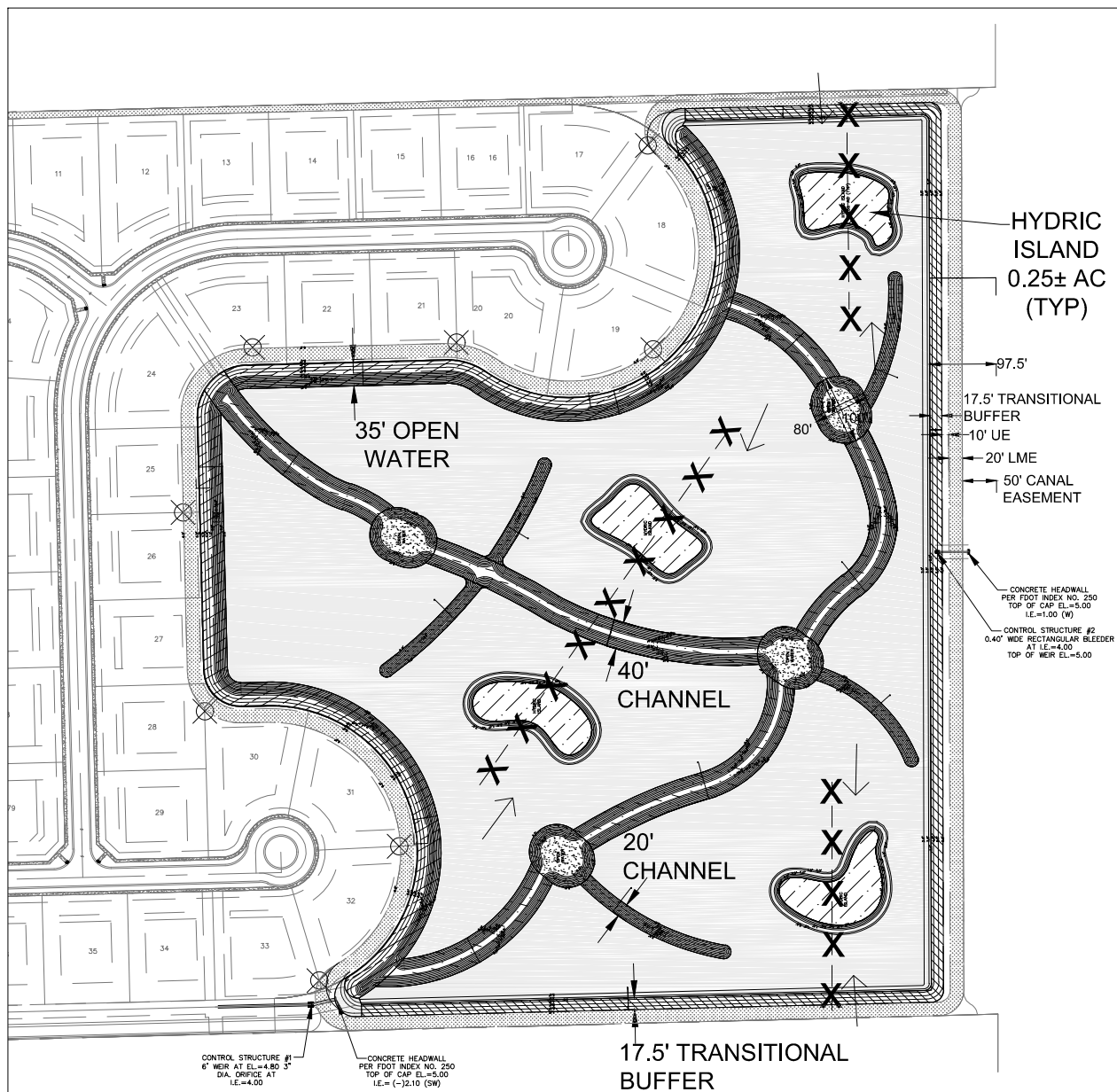


SIERRA RANCH PRESERVE AREA CROSS SECTION

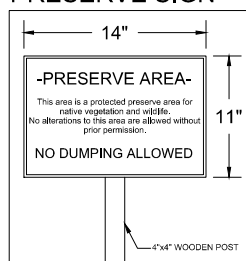


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MAR 2017
FIGURE
6A



TYPICAL PRESERVE SIGN



LEGEND

- - MONITORING TRANSECT WITH PHOTO STATIONS AT EACH END
- X - MONITORING QUADRAT
- ⊗ - PRESERVE SIGN
- - - CONTINUOUS-READ MONITORING WELL

0 250
SCALE IN FEET

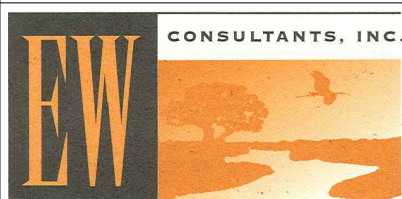
SIERRA RANCH MONITORING MAP

JUNE 2017

FIGURE

7

SIERRA RANCH 05-2017.dwg MONITORING MAP 8.5x11



EW CONSULTANTS, INC.

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August 18, 2017

HD Sierra Ranch, LLC
4755 Technology Way, Suite 210
Boca Raton, FL 33431
Attn: David Schack, Director

**Re: Everglades Mitigation Bank Credit Reservation:
U. S. Army Corps of Engineers Permit Number SAJ-2004-01305,
South Florida Water Management District Permit Application Number
141223-14, Broward County Environmental Protection and Growth
Management Department Permit Number DF15-1259**

Please be advised that the Everglades Mitigation Bank (the "EMB") has reserved 10.86 Freshwater Herbaceous mitigation credits necessary to offset the unavoidable wetland impact for the above referenced project. Phase I of the EMB has a signed Mitigation Banking Instrument acknowledged by both FDEP and USACE and sufficient credits are currently available on the EMB ledger to offset the proposed impacts. **The EMB acknowledges receiving a deposit for the above referenced credits.**

Please contact me at 561-694-6388 for any additional information or questions regarding this matter.

Regards,

A handwritten signature in blue ink, appearing to read "Joe Sicbaldi". The signature is fluid and cursive, with a large loop at the beginning and end.

Joseph R. Sicbaldi
Everglades Mitigation Bank

Prepared by:

Return original or certified
recorded document to:

South Florida Water Management
District; and
Broward County Environmental
Protection and Growth
Management Department

**JOINT DEED OF CONSERVATION EASEMENT – STANDARD
(within Broward County)**

THIS JOINT DEED OF CONSERVATION EASEMENT ("Conservation Easement") is given this 2 day of June, 2017 by Amzak International, Inc. ("Grantor") whose mailing address is 4755 Technology Way, Suite 210 Boca Raton, FL 33431 to the South Florida Water Management District, 3301 Gun Club Road, West Palm Beach, Florida 33406 and Broward County, a political subdivision of the state of Florida, 115 South Andrews Avenue, Room 409, Fort Lauderdale, Florida 33301 (collectively referred to as "Grantees"). As used herein, the term "Grantor" shall include any and all heirs, successors or assigns of Grantor, and all subsequent owners of the "Conservation Easement Area" (as hereinafter defined) and the term "Grantees" shall include any successor or assignee of Grantees.

WITNESSETH

WHEREAS, Grantor is the fee simple owner of certain lands situated in Broward County, Florida, and more specifically described on the location map in Exhibit "A" attached hereto and incorporated herein (the "Property"); and

WHEREAS, South Florida Water Management District Permit No. _____ ("Permit") and Broward County License No. _____ ("License") (collectively "Permit and License") and any modifications thereto issued by the Grantees authorize certain activities which could affect wetlands, surface waters, or other aquatic resources in or of the State of Florida; and

WHEREAS, Grantor, in consideration of the consent granted by the Permit and License or other good and valuable consideration provided to Grantor, is agreeable to

granting and securing to the Grantees a perpetual Conservation Easement as defined in Section 704.06, Florida Statutes (F.S.), over the area of the Property described on Exhibit "B" ("Conservation Easement Area"); and

WHEREAS, Grantor grants this Conservation Easement as a condition of the Permit and License solely to off-set or prevent adverse impacts to natural resources, fish and wildlife, and wetland functions; and

WHEREAS, Grantor desires to preserve the Conservation Easement Area in perpetuity in its natural condition, or, in accordance with the Permit and License, in a preserved, enhanced, restored, or created condition,

NOW, THEREFORE, in consideration of the issuance of the Permit and License to construct and operate the permitted and licensed activity, and as an inducement to Grantees in issuing the Permit and License, together with other good and valuable consideration provided to Grantor, the adequacy and receipt of which are hereby acknowledged, Grantor hereby voluntarily grants, creates, conveys, and establishes a perpetual Conservation Easement for and in favor of Grantees upon the Conservation Easement Area described on Exhibit "B" which shall run with the land and be binding upon Grantor, and shall remain in full force and effect forever.

The scope, nature, and character of this Conservation Easement shall be as follows:

1. Recitals. The recitals hereinabove set forth are true and correct and are hereby incorporated into and made a part of this Conservation Easement.
2. Purpose. It is the purpose of this Conservation Easement to retain land or water areas in their existing, natural, vegetative, hydrologic, scenic, open, or wooded condition and to retain such areas as suitable habitat for fish, plants, or wildlife in accordance with Section 704.06, F.S. Those wetland and upland areas included in this Conservation Easement which are to be preserved, enhanced, restored, or created pursuant to the Permit and License (or any modifications thereto) and any Management Plan attached hereto as Exhibit "C" ("Management Plan") which has been approved in writing by Grantees, shall be retained and maintained in the preserved, enhanced, restored, or created condition required by the Permit and License (or any modifications thereto).

To carry out this purpose, the following rights are conveyed to Grantees by this Conservation Easement:

- a. To enter upon the Conservation Easement Area at reasonable times with any necessary equipment or vehicles to inspect, to determine compliance with the covenants and prohibitions contained in this Conservation Easement, and to enforce the rights herein granted in a manner that will not

unreasonably interfere with the use and quiet enjoyment of the Conservation Easement Area by Grantor at the time of such entry; and

- b. To proceed at law or in equity to enforce the provisions of this Conservation Easement and the covenants set forth herein, to prevent the occurrence of any of the prohibited activities set forth herein, and to require the restoration of such areas or features of the Conservation Easement Area that may be damaged by any activity or use that is inconsistent with this Conservation Easement.
3. Prohibited Uses. Except for activities that are permitted and licensed or required by the Permit and License (or any modification thereto) (which may include preservation, enhancement, restoration, creation, maintenance, and monitoring activities, or surface water management improvements) or other activities described herein or in the Management Plan (if any), any activity on or use of the Conservation Easement Area inconsistent with the purpose of this Conservation Easement is prohibited. Without limiting the generality of the foregoing, the following activities are expressly prohibited in or on the Conservation Easement Area:
- a. Construction or placing of buildings, roads, signs, billboards or other advertising, utilities, or other structures on or above the ground;
 - b. Dumping or placing of soil or other substance or material as landfill, or dumping or placing of trash, waste, or unsightly or offensive materials;
 - c. Removing, destroying or trimming trees, shrubs, or other vegetation, except:
 - i. The removal of dead trees and shrubs or leaning trees that could cause damage property is authorized;
 - ii. The destruction and removal of noxious, nuisance or exotic invasive plant species as listed on the most recent Florida Exotic Pest Plant Council's List of Invasive Species is authorized;
 - iii. Activities authorized by the Permit and License, described in the Management Plan, or otherwise approved in writing by Grantees are authorized; and
 - iv. Activities conducted in accordance with a wildfire mitigation plan developed with the Florida Forest Service that has been approved in writing by Grantees are authorized. No later than thirty (30) days before commencing any activities to implement the approved wildfire mitigation plan, Grantor shall notify Grantees in writing of its intent to commence such activities. All such activities may only be completed during the time period for which Grantees approved the plan;

- d. Excavation, dredging, or removal of loam, peat, gravel, soil, rock, or other material substance in such manner as to affect the surface;
 - e. Surface use except for purposes that permit the land or water area to remain in its natural, restored, enhanced, or created condition;
 - f. Activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation including, but not limited to, ditching, diking, clearing, and fencing;
 - g. Acts or uses detrimental to such aforementioned retention of land or water areas; and
 - h. Acts or uses which are detrimental to the preservation of the structural integrity or physical appearance of sites or properties having historical, archaeological, or cultural significance.
4. **Grantor's Reserved Rights.** Grantor reserves all rights as owner of the Conservation Easement Area, including the right to engage or to permit or invite others to engage in all uses of the Conservation Easement Area that are not prohibited herein and which are not inconsistent with the Permit and License (or any modifications thereto), Management Plan (if any), or the intent and purposes of this Conservation Easement.
5. **No Dedication.** No right of access by the general public to any portion of the Conservation Easement Area is conveyed by this Conservation Easement.
6. **Grantees' Liability.** Grantees' liability is limited as provided in Subsection 704.06(10) and Section 768.28, F.S. Additionally, Grantees shall not be responsible for any costs or liabilities related to the operation, upkeep, or maintenance of the Conservation Easement Area.
7. **Enforcement.** Enforcement of the terms, provisions and restrictions of this Conservation Easement shall be at the reasonable discretion of Grantees, and any forbearance on behalf of Grantees to exercise their rights hereunder in the event of any breach hereof by Grantor, shall not be deemed or construed to be a waiver of Grantees' rights hereunder. Grantees shall not be obligated to Grantor, or to any other person or entity, to enforce the provisions of this Conservation Easement.
8. **Taxes.** When perpetual maintenance is required by the Permit or License, Grantor shall pay before delinquency any and all taxes, assessments, fees, and charges of whatever description levied on or assessed by competent authority on the Conservation Easement Area, and shall furnish Grantees with satisfactory evidence of payment upon request.

9. Assignment. Grantees will hold this Conservation Easement exclusively for conservation purposes. Grantees will not assign their rights and obligations under this Conservation Easement except to another organization or entity qualified to hold such interests under the applicable state laws.
10. Severability. If any provision of this Conservation Easement or the application thereof to any person or circumstances is found to be invalid, the remainder of the provisions of this Conservation Easement shall not be affected thereby, as long as the purpose of the Conservation Easement is preserved.
11. Terms and Restrictions. Grantor shall insert the terms and restrictions of this Conservation Easement in any subsequent deed or other legal instrument by which Grantor divests itself of any interest in this Conservation Easement.
12. Written Notice. All notices, consents, approvals or other communications hereunder shall be in writing and shall be deemed properly given if sent by United States certified mail, return receipt requested, addressed to the appropriate party or successor-in-interest.
13. Modifications. This Conservation Easement may be amended, altered, released or revoked only by written agreement between the parties hereto or their heirs, assigns or successors-in-interest, which shall be recorded in the Official Records of Broward County, Florida.
14. Recordation. Grantor shall record this Conservation Easement in timely fashion in the Official Records of Broward County, Florida, and shall rerecord it at any time Grantees may require to preserve its rights. Grantor shall pay all recording costs and taxes necessary to record this Conservation Easement in the public records. Grantor will hold Grantees harmless from any recording costs or taxes necessary to record this Conservation Easement in the public records.

TO HAVE AND TO HOLD unto Grantees forever. The covenants, terms, conditions, restrictions and purposes imposed with this Conservation Easement shall be binding upon Grantor, and shall continue as a servitude running in perpetuity with the Conservation Easement Area.

Grantor hereby covenants with Grantees that Grantor is lawfully seized of said Conservation Easement Area in fee simple; that the Conservation Easement Area is free and clear of all encumbrances that are inconsistent with the terms of this Conservation Easement; all mortgages and liens on the Conservation Easement Area, if any, have been subordinated to this Conservation Easement; that Grantor has good right and lawful authority to convey this Conservation Easement; and that it hereby fully warrants and defends record title to the Conservation Easement Area hereby conveyed against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Amzak International, Inc. ("Grantor")
has hereunto set its authorized hand this 2 day of June, 2017.

☒ A Florida corporation or ☐ _____ (choose one)

By: _____
(Signature)

Name: DAVID SCHACK
(Print)

Title: PRES.

Signed, sealed and delivered in our presence as witnesses:

By: _____
(Signature)

Name: ANJANO DELIND
(Print)

By: _____
(Signature)

Name: DENISE PARKS
(Print)

STATE OF FLORIDA

COUNTY OF BROWARD

On this 2 day of June, 2017, before me, the undersigned notary public, personally appeared David Schack, the person who subscribed to the foregoing instrument, as the President (title), of Amzak International, Inc. (corporation), a Florida corporation, or ☐ _____ (choose one) and acknowledged that he/she executed the same on behalf of said ☒ corporation, or ☐ _____ (choose one) and the he/she was duly authorized to do so. He/She is personally known to me or has produced a _____ (state) driver's license as identification.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

NOTARY PUBLIC, STATE OF FLORIDA

(Signature)

Teresa Peterson
(Name)

My Commission Expires: 8/25/19





LEGEND

 - SITE (89.1+/- AC)

0 2,000 Feet

SIERRA RANCH LOCATION MAP



EW CONSULTANTS, INC.

601 HERITAGE DRIVE, SUITE 124
JUPITER, FLORIDA 33458
561-623-5475 FAX 561-623-5481
WWW.EWCONSULTANTS.COM

EXHIBIT

FIGURE

A

SKETCH AND DESCRIPTION

A PORTION OF PARCEL "A", "SIERRA ESTATES", RECORDED
IN PLAT BOOK 173, PAGE 150, OF THE PUBLIC RECORDS
OF BROWARD COUNTY, FLORIDA.

LEGAL DESCRIPTION: (CONSERVATION EASEMENT)

A PORTION OF PARCEL "A", "SIERRA ESTATES", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT
BOOK 173, PAGE 152 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID PARCEL "A"; THENCE SOUTH 88°32'18" WEST, ALONG THE SOUTH
LINE OF SAID PARCEL "A", A DISTANCE OF 26.65 FEET; THENCE NORTH 01°27'42" WEST A DISTANCE OF 20.00 FEET TO
THE POINT OF BEGINNING; THENCE SOUTH 88°32'18" WEST A DISTANCE OF 847.36 FEET TO A POINT OF CURVATURE OF
A CURVE THAT IS CONCAVE TO THE EAST; THENCE WESTERLY, NORTHERLY AND NORTHEASTERLY ALONG THE ARC
OF SAID CURVE, HAVING A RADIUS OF 30.00 FEET, THROUGH A CENTRAL ANGLE OF 151°20'54", AN ARC
DISTANCE OF 79.25 FEET TO A POINT OF REVERSE CURVATURE OF A CURVE THAT IS CONCAVE TO THE WEST;
THENCE NORTHEASTERLY, NORTHERLY AND NORTHWESTERLY ALONG THE ARC OF LAST SAID CURVE, HAVING A
RADIUS OF 215.00 FEET, THROUGH A CENTRAL ANGLE OF 151°20'11", AN ARC DISTANCE OF 567.88 FEET TO
A POINT OF TANGENCY; THENCE SOUTH 88°33'01" WEST, A DISTANCE OF 37.61 FEET TO A POINT OF CURVATURE OF A
CURVE THAT IS CONCAVE TO THE NORTHEAST; THENCE NORTHWESTERLY ALONG THE ARC OF LAST SAID CURVE,
HAVING A RADIUS OF 54.00 FEET, THROUGH A CENTRAL ANGLE OF 90°00'00", AN ARC DISTANCE OF 84.82
FEET TO A POINT OF TANGENCY; THENCE NORTH 01°26'59" WEST, A DISTANCE OF 372.49 FEET TO A POINT OF
CURVATURE OF A CURVE THAT IS CONCAVE TO THE SOUTHEAST; THENCE NORTHEASTERLY ALONG THE ARC OF
LAST SAID CURVE, HAVING A RADIUS OF 75.00 FEET, THROUGH A CENTRAL ANGLE OF 90°00'00", AN ARC
DISTANCE OF 117.81 FEET TO A POINT OF TANGENCY; THENCE NORTH 88°33'01" EAST, A DISTANCE OF 291.83
FEET TO A POINT OF CURVATURE OF A CURVE THAT IS CONCAVE TO THE SOUTHWEST; THENCE SOUTHEASTERLY
ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 100.00 FEET, THROUGH A CENTRAL ANGLE OF
35°57'02", AN ARC DISTANCE OF 62.75 FEET TO A POINT OF REVERSE CURVATURE OF A CURVE THAT IS
CONCAVE TO THE NORTHWEST; THENCE EASTERLY, NORTHERLY AND NORTHWESTERLY ALONG THE ARC OF LAST
SAID CURVE, HAVING A RADIUS OF 215.00 FEET, THROUGH A CENTRAL ANGLE OF 171°32'07", AN ARC
DISTANCE OF 643.68 FEET TO A POINT OF REVERSE CURVATURE OF A CURVE THAT IS CONCAVE TO THE EAST;
THENCE NORTHWESTERLY, NORTHERLY AND NORTHEASTERLY ALONG THE ARC OF LAST SAID CURVE, HAVING A
RADIUS OF 30.00 FEET, THROUGH A CENTRAL ANGLE OF 135°35'05", AN ARC DISTANCE OF 70.99 FEET TO A
POINT OF TANGENCY; THENCE NORTH 88°33'01" EAST A DISTANCE OF 362.35 FEET TO A POINT OF CURVATURE OF A
CURVE THAT IS CONCAVE TO THE SOUTHWEST; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE, HAVING
A RADIUS OF 17.50 FEET, THROUGH A CENTRAL ANGLE OF 91°17'44", AN ARC DISTANCE OF 27.88 FEET TO A
POINT OF TANGENCY; THENCE SOUTH 00°09'15" EAST A DISTANCE OF 1,286.62 FEET TO A POINT OF CURVATURE OF A
CURVE THAT IS CONCAVE TO THE NORTHWEST; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE, HAVING
A RADIUS OF 17.50 FEET, THROUGH A CENTRAL ANGLE OF 88°41'33", AN ARC DISTANCE OF 27.09 FEET TO
THE POINT OF BEGINNING.

SAID LANDS SITUATE, LYING AND BEING IN THE TOWN OF DAVIE, BROWARD COUNTY, FLORIDA AND CONTAINING 1,039,581
SQUARE FEET OR 23.866 ACRES, MORE OR LESS.

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT THIS "SKETCH AND DESCRIPTION" IS TRUE AND
CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY
THAT THIS SKETCH MEETS THE STANDARDS OF PRACTICE AS SET
FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND
MAPPERS IN CHAPTER 5J-17.051, FLORIDA ADMINISTRATIVE CODE
PURSUANT TO SECTION 472-027, FLORIDA STATUTES.

DATE: 6-2-17

BY:

MICHAEL D. KLIMKIEWICZ
PROFESSIONAL SURVEYOR & MAPPER
FLORIDA REGISTRATION No. LS6611

SHEET 1 OF 2

PROJECT No.: 12274

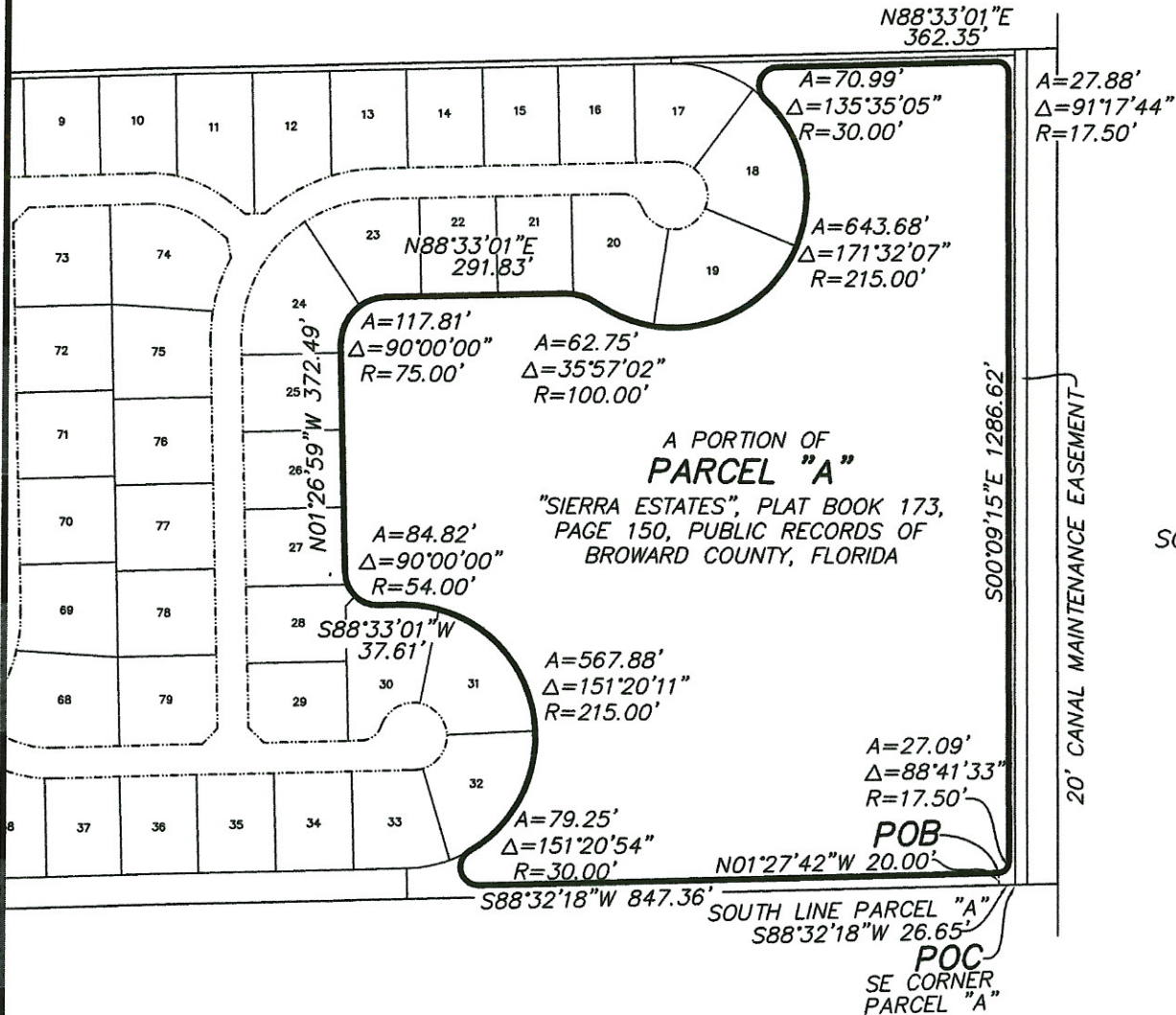
Radius 

PROFESSIONAL SURVEYOR & MAPPER, LLC
30 PINEHURST LANE
BOCA RATON, FL 33431
(561)244-5153 (561)961-4066
LICENSED BUSINESS No. LB7733

| REVISION | DWN | DATE | FB/Pg. | CKD |
|------------------------------|-----|---------|--------|-----|
| SKETCH & DESCRIPTION | MM | 7-24-15 | | MDK |
| REVISED SKETCH & DESCRIPTION | MM | 8-10-15 | | MDK |
| | | | | |
| | | | | |
| | | | | |

SKETCH AND DESCRIPTION

A PORTION OF PARCEL "A", "SIERRA ESTATES", RECORDED
IN PLAT BOOK 173, PAGE 150, OF THE PUBLIC RECORDS
OF BROWARD COUNTY, FLORIDA.



SCALE: 1" = 300'

SURVEYOR'S NOTES:

1. NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR & MAPPER.
2. BEARINGS SHOWN HEREON ARE RELATIVE TO "SIERRA ESTATES", RECORDED IN PLAT BOOK 173, PAGE 150 OF THE PUBLIC RECORDS OF BROWARD COUNTY.
BEARING REFERENCE LINE: SOUTH LINE PARCEL "A" - BEARING N88°32'18"E
3. THIS IS NOT A LAND SURVEY.

SHEET 2 OF 2

PROJECT No.: 12274

Radius

PROFESSIONAL SURVEYOR & MAPPER, LLC
30 PINEHURST LANE
BOCA RATON, FL 33431
(561)244-5153 (561)961-4066
LICENSED BUSINESS No. LB7733

| REVISION | DWN | DATE | FB/Pg. | CKD |
|------------------------------|-----|---------|--------|-----|
| SKETCH & DESCRIPTION | MM | 7-24-15 | | MDK |
| REVISED SKETCH & DESCRIPTION | MM | 8-10-15 | | MDK |
| | | | | |
| | | | | |
| | | | | |

EXHIBIT C

[MANAGEMENT PLAN OR "INTENTIONALLY LEFT BLANK"]

JOINT IRREVOCABLE LETTER OF CREDIT TO DEMONSTRATE FINANCIAL ASSURANCE FOR MITIGATION

(Name and Address of Issuing Institution)

Irrevocable letter of Credit No.
(Issuing Institution's Letter of Credit No.)

Dated (Date)

Beneficiaries:

County Administrator
Broward County Board of County
Commissioners
Governmental Center, Room 409
115 South Andrews Avenue
Fort Lauderdale, Florida 33301

and

Deputy Executive Director
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33406

and

Department of the Army
Jacksonville District Corps of Engineers
4400 PGA Boulevard, Suite 500
Palm Beach Gardens, Florida 33410

Dear Sir or Madam:

We hereby establish our Irrevocable Standby Letter of Credit No. (Issuing Institution's Letter of Credit No.) in your favor, at the request and for the account of Amzak International Inc. 4755 Technology Way, Suite 210, Boca Raton, FL 33431 up to the aggregate amount of Seven hundred eighteen thousand, seven hundred and forty-four dollars and forty cents. U.S. dollars \$718,744.40, available upon presentation of:

- (1) your sight draft, bearing reference to this letter of credit No. (Issuing Institution's Letter of Credit No.), and

Applicant: Amzak International Inc.
(Permittee/Licensee)

Amount: \$718,744.40
(In United States Funds)

Expiry: (Date)
(Date)

License No.: (County License No.)
(Broward County's Environmental
Resource License Number)

Permit No.: (SFWMD Permit No.)
(South Florida Water Management
District's Environmental Resource Permit
Number)

Permit No: (SAJ-2004-01305 SP-CF)
(U.S. Army Corps of Engineers Permit
Number)

- (2) your signed statement reading as follows "I certify that the amount of the draft is payable pursuant to that certain Permit No. (SFWMD Permit No.), dated (Date), issued by the South Florida Water Management District", or
- (3) your signed statement reading as follows "I certify that the amount of the draft is payable pursuant to that certain License No. (County License No.), dated (Date), issued by the Broward County Environmental Protection & Growth Management Department", or
- (4) your signed statement reading as follows "I certify that the amount of the draft is payable pursuant to that certain Permit No. SAJ-2004-01305 SP-CF, dated (Date), issued by the Jacksonville District Corps of Engineers".

This letter of credit is effective as of (Date) and shall expire on (Date) but such expiration date shall be automatically extended without amendment for additional periods of one year from the present or future expiration date unless, at least 120 days before the current expiration date, we notify both you and Amzak International Inc. by certified mail that we have decided not to extend this letter of credit beyond the current expiration date. In the event you are so notified, any unused portion of the credit shall be available upon presentation of your sight draft for 120 days after the date of receipt by both you and Amzak International Inc. as shown on the signed return receipts.

Whenever this letter of credit is drawn on under and in compliance with the terms of this credit, we shall duly honor such draft upon presentation to us, and we shall deposit the amount of the draft directly into the drawing beneficiary's account, in accordance with its instructions.

We certify that the wording of this letter of credit is in substantial conformance with that specified in Form No. 62-330.301(2) which has been incorporated by reference in paragraph 62-330.301(5)(b) of the Florida Administrative Code. Permittee/Licensee shall note all deviations from the form on the face of the instrument and identify to the agency such changes for Agency's review and approval.

This letter of credit is subject to the Uniform Commercial Code of Florida and the Uniform Customs and Practice for Documentary Credits, International Chamber of Commerce Publication No. 600 ("UCP 600"), excluding specifically Section 675.116(3), Florida Statutes, and UCP 600 provisions which would prevent Florida law from prevailing in the event of a conflict between Florida law and UCP 600. If a conflict between the law of another state or country and Florida law should arise, Florida law shall prevail.

| | |
|--|---------------|
| | <u>(Date)</u> |
| Signature(s), Title(s) of Official(s) of Issuing Institution | Date |

South Florida Water Management District

Work Schedule Requirements

Application No : 141223-14

Page 1 of 1

Mitigation Plan ID: SIERRA RANCH

| Activity | Due Date |
|---|-----------------|
| SUBMIT RECORDED CONSERVATION EASEMENT | 01-OCT-17 |
| SUBMIT PAPER MAP OF CONSERVATION EASEMENT OVER AERIAL IMAGERY | 01-OCT-17 |
| SUBMIT GPS DISK OF BOUNDARIES OF CONSERVATION EASEMENT | 01-OCT-17 |
| SUBMIT MITIGATION BANK DOCUMENTATION | 01-DEC-17 |
| SUBMIT ORIGINAL FINANCIAL ASSURANCE DOCUMENTATION | 01-DEC-17 |
| EXCAVATION AND GRADING MITIGATION AREA | 31-MAR-18 |
| SUBMIT TIME ZERO MONITORING REPORT | 31-MAY-18 |
| SUBMIT FIRST MONITORING REPORT | 31-MAY-19 |
| SUBMIT SECOND MONITORING REPORT | 31-MAY-20 |
| SUBMIT THIRD MONITORING REPORT | 31-MAY-21 |
| SUBMIT FOURTH MONITORING REPORT | 31-MAY-22 |
| SUBMIT FIFTH MONITORING REPORT | 31-MAY-23 |

STAFF REPORT DISTRIBUTION LIST

SIERRA RANCH

Application No: 141223-14

Permit No: 06-07569-P

INTERNAL DISTRIBUTION

- X Melinda Parrott
- X Rosalyn W. Ellington
- X Carlos A. de Rojas, P.E.
- X Barbara J. Conmy
- X A. Waterhouse, P.E.
- X J. Markle, P.E.

EXTERNAL DISTRIBUTION

- X Permittee - Amzak International, Inc.
- X Applicant - HD Sierra Ranch LLC
- X Engr Consultant - Craven Thompson & Associates, Inc.
- X Env Consultant - E.W. Consultants, Inc.
- X Project Site - Craven Thompson & Associates Inc.

GOVERNMENT AGENCIES

- X Broward County - Director, Water Mgmt Division
- X Central Broward Water Control District
- X City Engineer, City of Davie
- X City of Pembroke Pines Engineer
- X Div of Recreation and Park - District 5 - Miranda Cunningham, FDEP

OTHER INTERESTED PARTIES

- X Audubon of Florida - Charles Lee