

PLANNING DIVISION



File No. (internal use only): \_\_\_\_\_

2600 Hollywood Boulevard Room 315  
Hollywood, FL 33022

GENERAL APPLICATION



Tel: (954) 921-3471  
Fax: (954) 921-3347

This application must be completed in full and submitted with all documents to be placed on a Board or Committee's agenda.

The applicant is responsible for obtaining the appropriate checklist for each type of application.

Applicant(s) or their authorized legal agent must be present at all Board or Committee meetings.

At least one set of the submitted plans for each application must be signed and sealed (i.e. Architect or Engineer).

Documents and forms can be accessed on the City's website at

<http://www.hollywoodfl.org/DocumentCenter/Home/View/21>



APPLICATION TYPE (CHECK ONE):

- Technical Advisory Committee
- Historic Preservation Board
- City Commission
- Planning and Development Board

Date of Application: July 16, 2018

Location Address: 3553 N State Road 7, Hollywood FL 33021

Lot(s): N/A Block(s): N/A Subdivision: N/A

Folio Number(s): 5141 01 00 0130

Zoning Classification: N-MU Land Use Classification: TOC - SR7

Existing Property Use: Vacant Sq Ft/Number of Units: N/A

Is the request the result of a violation notice? ( ) Yes (X) No If yes, attach a copy of violation.

Has this property been presented to the City before? If yes, check all that apply and provide File Number(s) and Resolution(s): 14-DPS-73

- Economic Roundtable
- Technical Advisory Committee
- Historic Preservation Board
- City Commission
- Planning and Development

Explanation of Request: Site Plan approval request for a private passive park ("Institutional") with traditional chickee hut shade structures, parking, landscaping and drainage.

Number of units/rooms: N/A Sq Ft: N/A

Value of Improvement: \_\_\_\_\_ Estimated Date of Completion: January 2019

Will Project be Phased? ( ) Yes (X) No If Phased, Estimated Completion of Each Phase \_\_\_\_\_

Name of Current Property Owner: S T O F Holdings Limited

Address of Property Owner: 6300 Stirling Road, Hollywood, FL 33024

Telephone: (954) 966-6300 Fax: \_\_\_\_\_ Email Address: \_\_\_\_\_

Name of Consultant/Representative/Tenant (circle one): Michelle Diffenderfer, Esq.

Address: 515 N. Flagler Dr. Ste. 1500; W.Palm Beach, FL 33401 Telephone: (561) 640-0820

Fax: (561) 640-8202 Email Address: mdiffenderfer@LLW-LAW.com

Date of Purchase: 2/11/2009 Is there an option to purchase the Property? Yes ( ) No ( )

If Yes, Attach Copy of the Contract.

List Anyone Else Who Should Receive Notice of the Hearing: Seth Behn, Esq

Address: 515 N. Flagler Dr. Ste. 1500; W.Palm Beach, FL 33401

Email Address: sbehn@LLW-LAW.com

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GENERAL APPLICATION

**CERTIFICATION OF COMPLIANCE WITH APPLICABLE REGULATIONS**

The applicant/owner(s) signature certifies that he/she has been made aware of the criteria, regulations and guidelines applicable to the request. This information can be obtained in Room 315 of City Hall or on our website at [www.hollywoodfl.org](http://www.hollywoodfl.org). The owner(s) further certifies that when required by applicable law, including but not limited to the City's Zoning and Land Development Regulations, they will post the site with a sign provided by the Office of Planning and Development Services. The owner(s) will photograph the sign the day of posting and submit photographs to the Office of Planning and Development Services as required by applicable law. Failure to post the sign will result in violation of State and Municipal Notification Requirements and Laws.

(I)(We) certify that (I) (we) understand and will comply with the provisions and regulations of the City's Zoning and Land Development Regulations, Design Guidelines, Design Guidelines for Historic Properties and City's Comprehensive Plan as they apply to this project. (I)(We) further certify that the above statements and drawings made on any paper or plans submitted herewith are true to the best of (my)(our) knowledge. (I)(We) understand that the application and attachments become part of the official public records of the City and are not returnable.

Signature of Current Owner: Jennifer Kolakowski Date: 7/11/18

PRINT NAME: Jennifer Kolakowski Date: 7/11/18

Signature of Consultant/Representative: \_\_\_\_\_ Date: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Tenant: \_\_\_\_\_ Date: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_ Date: \_\_\_\_\_

**Current Owner Power of Attorney**

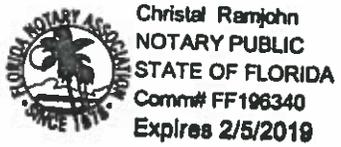
I am the current owner of the described real property and that I am aware of the nature and effect the request for Site Plan Approval to my property, which is hereby made by me or I am hereby authorizing Michelle Diffenderfer / Lewis, Longman & Walker, P.A. to be my legal representative before the TAC and Planning Board (Board and/or Committee) relative to all matters concerning this application.

Sworn to and subscribed before me  
this 11th day of July

Christal Ramjohn  
Notary Public

State of Florida

My Commission Expires: 2/5/19 (Check One)  Personally known to me; OR  Produced Identification \_\_\_\_\_



Jennifer Kolakowski  
Signature of Current Owner

Jennifer Kolakowski  
Print Name

**Project Narrative**  
**Seminole Village / 3553 State Road 7**  
**City of Hollywood Technical Advisory Committee**

Submittal: August 20, 2018

TAC Meeting Date: September 4, 2018

**PROJECT OVERVIEW**

The Seminole Tribe of Florida, through one of its wholly-owned entities, S.T.O.F. Holdings, Ltd., is the owner of the property located at 3553 S.R. 7, in Hollywood, Florida. (the “Property”). The Property contains approximately 5 acres and is located on the east side of State Road 7 approximately ¼ mile south of Stirling Road. The site is within the City’s newly adopted North Mixed Use (“N-MU”) zoning district, and the Transit Oriented Corridor for State Road 7.

The Seminole Tribe intends to convert the site into a passive recreational park and outdoor gathering space for use by Tribal members. A significant group of Tribal members live and/or work in close proximity to the Property. This use is a permitted use in the N-MU zoning district as an “Institutional” use. Occasional events are envisioned such as outdoor art, craft, and cultural fairs. The scale of these events will be limited by the relatively modest parking proposed on the site.

The plans for the park will feature traditional Seminole chickees along a walking path, located so as to avoid any impacts to the mature trees on the site. Additional landscaping will be introduced along SR 7 to buffer the parking area. Access to the property and parking will be controlled with security gates. Use of the park will generally be limited to daytime use, but security lighting will be provided in the parking lot. A large dry detention area will be located between the parking area and the park to provide stormwater management.

The Property frontage along State Road 7 was previously improved with two retail structures, but now the entire Property is vacant. The eastern two-thirds of the Property feature a significant mature tree canopy that will be largely preserved. The Property is surrounded on all sides by either Federal lands held in trust for the Seminole Tribe, or property directly under the Seminole Tribe’s ownership.

**PRE-APPLICATION CONCEPTUAL OVERVIEW COMMENTS**

The project was discussed at the City of Hollywood Pre-Application Conceptual Overview (“PACO”) meeting on May 14, 2018. At that meeting several questions were raised, to which we provide the following responses and clarifications. In addition, following the PACO meeting, the project engineer, Jose Acosta met with the City’s Fire Marshall, Janet Washburn, to review her comments and the plans, to more fully address her concerns prior to preparing this submittal.

The following questions were raised at the PACO review:

- Will the site be gated, and will FDOT need to review?
  - Yes, a gate is proposed that would have some type of remote control to open. We will coordinate the location and operation with FDOT.
- Will there be frequent craft fairs or other types of sales making the use more “commercial”?
  - No. While an occasional craft or cultural fair may be held as a special event, it is primarily intended to be a passive park.
- Will there be a restroom?
  - No. With the elimination of the amphitheater and reduced scope, we no longer propose a bathroom on the site. Most of the residents that will use the site live or work in close proximity, making the restroom unnecessary. For special events, portable restrooms will be utilized if the anticipated scale of the event warrants it.
- What are the intended hours of operation?
  - Sunrise to sunset
- Will there be outdoor grills?
  - Yes. The plans have been modified to reflect four permanent charcoal grill locations. These have been arranged well set back from any of the Chickee structures.
- Will the Chickees have electrical service?
  - No.
- Is there adequate fire access and turn around space?
  - The plans have been modified to address the City’s fire access standards, and comments raised by the Fire Marshall.

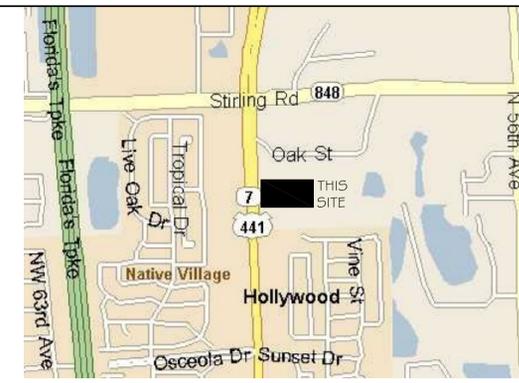
### **CONCLUSION**

The proposed site plan for the Property conforms to the requirements of the City of Hollywood’s Zoning and Land Development Regulations. The use will create no negative impacts on the surrounding properties and will not degrade the health, safety and welfare of the City’s citizens and visitors. The Property will provide valuable open space in an otherwise largely developed corridor and will be an amenity to the Seminole Tribe as well as the public. In light of these findings, we respectfully request the approval of the proposed site plan.

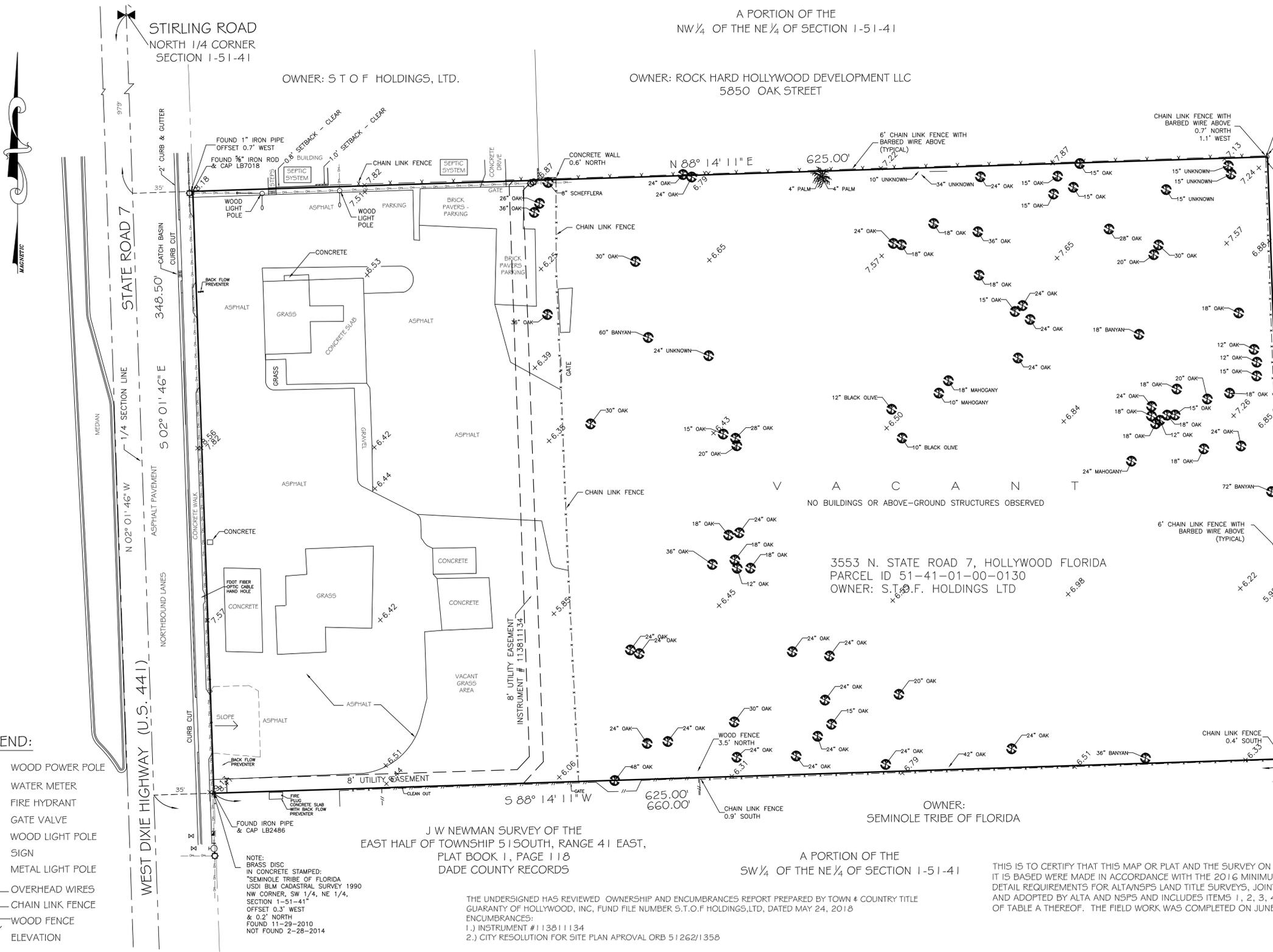
DESCRIPTION:

THE SOUTH 348.50 FEET OF THE WEST 660 FEET OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF THE NORTHEAST ONE-QUARTER (NE 1/4) OF SECTION 1, TOWNSHIP 51 SOUTH, RANGE 41 EAST, EXCEPTING THEREFROM THE WEST 35 FEET THEREOF FOR HIGHWAY PURPOSES. SAID LANDS SITUATE LYING AND BEING IN BROWARD COUNTY, FLORIDA. CONTAINING 5.00 ACRES (217,813 SQUARE FEET), MORE OR LESS.

# ALTANSPS LAND TITLE SURVEY



LOCATION MAP  
NOT TO SCALE



A PORTION OF THE  
NW 1/4 OF THE NE 1/4 OF SECTION 1-51-41

OWNER:  
ROCK HARD HOLLYWOOD DEVELOPMENT LLC  
5850 OAK STREET

SURVEYORS NOTES:  
1) NO ATTEMPT WAS MADE TO DELINEATE WETLANDS.  
2) BEARING REFERENCE: GRID BEARINGS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 - 1990 ADJUSTMENT OF KEITH & SCHNARS RESURVEY OF ALL OF TOWNSHIP 51 SOUTH, RANGE 41 EAST, RECORDED IN MISCELLANEOUS PLAT BOOK 6 PAGE 19, BROWARD COUNTY RECORDS.  
3) BASIS OF BEARING LINE: THE ONE-QUARTER SECTION LINE OF 1-51-41, BEING THE CENTERLINE OF STATE ROAD 7 - N 02° 01' 46\"/>

VACANT  
NO BUILDINGS OR ABOVE-GROUND STRUCTURES OBSERVED

3553 N. STATE ROAD 7, HOLLYWOOD FLORIDA  
PARCEL ID 51-41-01-00-0130  
OWNER: S.T.O.F. HOLDINGS LTD

OWNER:  
SEMINOLE TRIBE OF FLORIDA

A PORTION OF THE  
SW 1/4 OF THE NE 1/4 OF SECTION 1-51-41

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTANSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 2, 3, 4, 8, 11(a), 13 AND 14 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JUNE 22, 2018.

CERTIFIED TO:  
S.T.O.F. HOLDINGS, LTD.



( IN FEET )  
1 INCH = 30 FEET

- LEGEND:
- WOOD POWER POLE
  - WATER METER
  - ⊕ FIRE HYDRANT
  - ⊗ GATE VALVE
  - WOOD LIGHT POLE
  - ⊢ SIGN
  - METAL LIGHT POLE
  - OH — OH — OVERHEAD WIRES
  - x — CHAIN LINK FENCE
  - // — WOOD FENCE
  - x ELEVATION

ADDITIONS OR DELETIONS TO SURVEY MAP BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE UNDERSIGNED PARTY.

NOTE:  
BRASS DISC IN CONCRETE STAMPED:  
SEMINOLE TRIBE OF FLORIDA  
USDI BLM CADASTRAL SURVEY 1990  
NW CORNER, SW 1/4, NE 1/4,  
SECTION 1-51-41  
OFFSET 0.3' WEST  
& 0.2' NORTH  
FOUND 11-29-2010  
NOT FOUND 2-28-2014

THE UNDERSIGNED HAS REVIEWED OWNERSHIP AND ENCUMBRANCES REPORT PREPARED BY TOWN & COUNTRY TITLE GUARANTY OF HOLLYWOOD, INC, FUND FILE NUMBER S.T.O.F HOLDINGS,LTD, DATED MAY 24, 2018  
ENCUMBRANCES:  
1.) INSTRUMENT # 113811134  
2.) CITY RESOLUTION FOR SITE PLAN APPROVAL ORB 51262/135

FEMA FLOOD INSURANCE RATE MAP  
EFFECTIVE DATE: AUGUST 18, 2014

SURVEYORS NOTES CONTINUED:  
8) THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT. NO FURTHER SEARCH FOR MATTERS OF RECORD HAS BEEN MADE BY THIS FIRM.  
9) THIS SURVEY IS PREPARED FOR THE SOLE AND EXCLUSIVE USE OF THE PARTIES AS SURVEYED FOR AND AS CERTIFIED TO AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL.  
10) ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.  
BENCHMARK REFERENCE: NATIONAL GEODETIC SURVEY BENCHMARK PID - AD5679; ELEVATION = 13.77  
11) NORTH ARROW RELATIVE TO GRID BEARING BASE OF N 02° 01' 46\"/>

MAP # 120110562H		REVISION		DATE		BY	
CITY OF HOLLYWOOD		UPDATE SURVEY ADD ELEVS & TREES		3-06-14		MEB	
BROWARD COUNTY, FLORIDA		ADD TITLE COMMITMENT NOTE		8-12-14		SKS	
COMMUNITY NUMBER: 125113		ADD ALTA CERTIFICATION		8-20-14		SKS	
PANEL NO. 0562		ADD HEALTH DEPT NOTE		11-18-14		SKS	
SUFFIX H AH		UPDATE SURVEY		06-22-18		CM	
ZONE		JOB #:		DATE:		DRAWN BY:	
BASE ELEV. 8		RN7374		1/15/09		KAM	
DATTUM NAVD83		SCALE: 1"= 30'		FILE NO.:		CHECKED BY: SKS	

GIBBS LAND SURVEYORS  
2131 HOLLYWOOD BOULEVARD, SUITE 204  
HOLLYWOOD, FL 33020 (954) 923-7666  
LICENSED BUSINESS NO. 7018

STEPHEN K. SEELEY, FOR THE FIRM  
PROFESSIONAL SURVEYOR & MAPPER  
FLORIDA REGISTRATION NO. 4574

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER

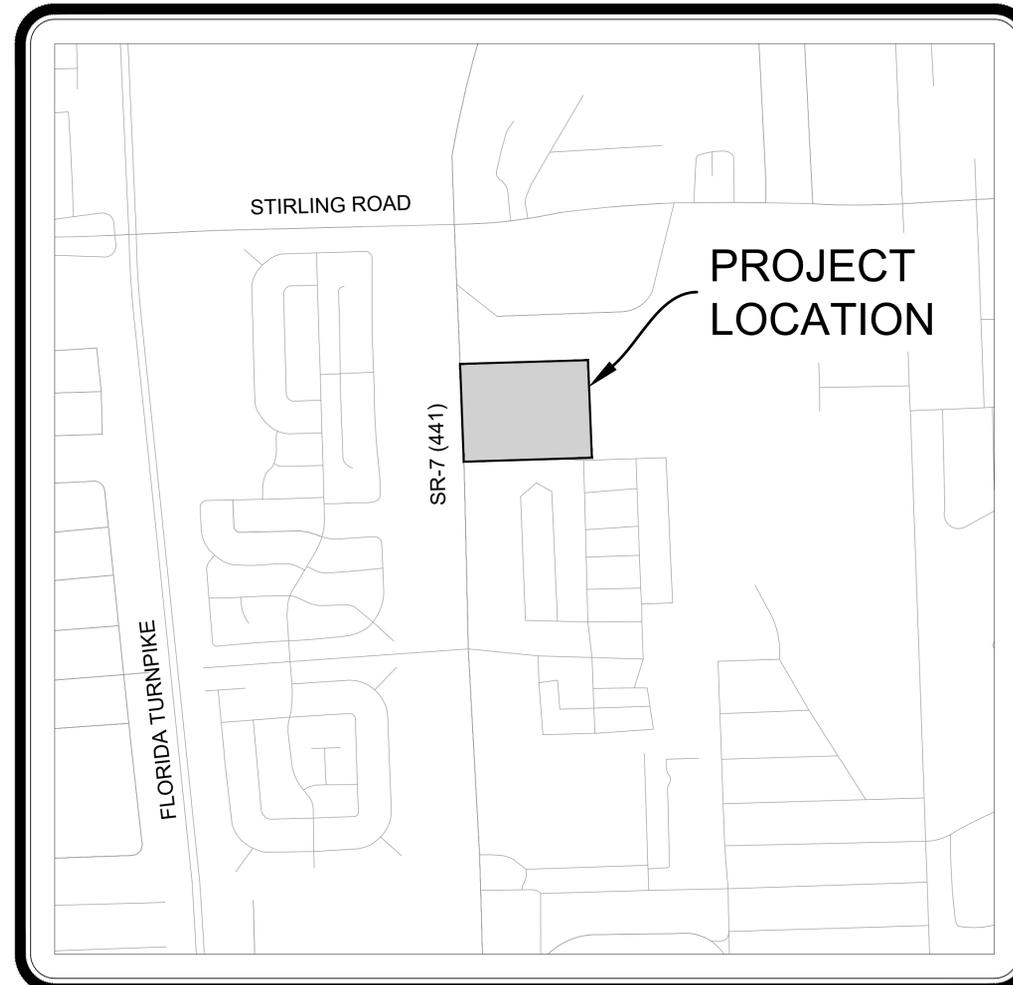
# SEMINOLE VILLAGE PHASE I

## HOLLYWOOD, FLORIDA

### SEMINOLE TRIBE OF FLORIDA

**TECHNICAL ADVISORY COMMITTEE - FINAL**

**SUBMITTED: AUGUST 20, 2018**  
**TAC MEETING: SEPTEMBER 4, 2018**



TOWNSHIP 51 S, RANGE 41 E, SECTION 1  
 BROWARD COUNTY, FLORIDA

**LOCATION MAP**

SCALE: 1" = 500'



SHEET INDEX	
NO.	TITLE
	DESCRIPTION
	CIVIL
0	COV-1
1	SPC-1
2	EC-1
3	SP-1
4	SP-2
5	SP-3
6	PGD-1
7	PDD-1
8	WS-1
9	WSD-1
10	WSD-2
11	SM-1
12	PPP-1
13	PPD-1
	LANDSCAPE
14	LNP-1
15	LNP-2
16	IRR-1
17	IRR-2
18	IRR-3
19	PHO-1
20	PHO-2



2103 Coral Way  
 Suite 401  
 Miami, FL 33145  
 Tel: (786)497-1500  
 Fax: (786) 497-2300

v:\Projects\2018\18-300.001 - seminole village-site plan-eng.pln.update\Design\CAD\Plans\300.001 PH1 Specifications.dwg last edited on March 26, 2018 2:37 PM by Amirizabab

**APPLICABLE CODES**

- A. GENERAL ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF SEMINOLE TRIBE OF FLORIDA (STOF), CITY OF HOLLYWOOD (COH), SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), AND ALL OTHER LOCAL AND NATIONAL CODES WHERE APPLICABLE.
- B. CONSTRUCTION SAFETY ALL CONSTRUCTION SHALL BE PERFORMED IN A SAFE MANNER. SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.
- C. TRENCH SAFETY ACT
  - CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
  - WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
    - A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
    - WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
    - A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
  - WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM 2 TO THE ENGINEER PRIOR TO STARTING WORK.
- D. SURVEY DATA ALL ELEVATIONS ON THE PLANS REFERENCED IN THE SPECIFICATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM (NAVD) 1988.

**PRE-CONSTRUCTION RESPONSIBILITIES**

- A. UPON RECEIPT OF NOTICE OF AWARD AND AFTER OBTAINING AN ENGINEERING CONSTRUCTION PERMIT FROM THE CITY OF HOLLYWOOD (COH), THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE SEMINOLE TRIBE OF FLORIDA (STOF), CITY OF HOLLYWOOD, ENGINEER, A UTILITY REPRESENTATIVE, AND THE ENGINEER OF RECORD.
- B. THE CONTRACTOR SHALL OBTAIN A "SUNSHINE ONE CALL" CERTIFICATION NUMBER AND NOTIFY THE UTILITIES DEPARTMENT AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- C. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
- D. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
- F. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

**INSPECTIONS**

- A. THE CONTRACTOR SHALL NOTIFY THE SEMINOLE TRIBE OF FLORIDA (STOF), AND THE ENGINEER OF RECORD AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:
  - SANITARY SEWER
  - STORM DRAINAGE
  - WATER SYSTEM
  - SUB-GRADE
  - LIMEROCK BASE
  - ASPHALTIC CONCRETE
  - FINAL
- B. ALL INSPECTIONS WILL BE MADE BY THE SEMINOLE TRIBE OF FLORIDA (STOF), THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICE.

**SHOP DRAWINGS**

- A. PRIOR TO CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER ACCESSORIES. CATALOG LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES.
- B. PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS.
- C. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.

**TEMPORARY FACILITIES**

- A. TEMPORARY UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.
- B. TRAFFIC REGULATION
  - MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD, FOOT AND APPROVED BY THE SEMINOLE TRIBE OF FLORIDA (STOF).
  - ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
  - NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE SEMINOLE TRIBE OF FLORIDA (STOF).

**PROJECT CLOSEOUT**

- A. CLEANING UP
  - DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.
  - THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR SEMINOLE TRIBE OF FLORIDA (STOF), ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY ITS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF ITS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL OR BETTER TO THE EXISTING CONDITION IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
  - WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
- B. PROJECT RECORD DOCUMENTS
  - THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
  - PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS SHOWING LIMEROCK BASE GRADES, ALL DRAINAGE AND WATER IMPROVEMENTS, PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE "AS-BUILT'S".
  - ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUB-GRADE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALT.
  - ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALT.
  - ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
  - UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
  - ALL "AS-BUILT" INFORMATION ON ELEVATIONS OF WATER, PAVING, AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.
  - AS-BUILT INFORMATION ON THE WATER SYSTEM SHALL INCLUDE LOCATIONS OF ALL VALVES, FITTINGS, FIRE HYDRANTS, WATER SERVICES AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS AND AT A MINIMUM OF 100' SPACING.
  - AS-BUILT INFORMATION ON THE SANITARY SEWER SYSTEM SHALL

INCLUDE LOCATIONS OF ALL VALVES, FITTINGS, CLEANOUTS, AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS AND AT A MINIMUM SPACING OF 50' BETWEEN ELEVATIONS.

**EARTHWORK**

- A. GENERAL
  - NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
  - ALL SUB-GRADE UNDER PAVED AREAS SHALL BE 12" THICK AND HAVE A MINIMUM LBR VALUE OF 40 AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  - ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  - A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.
  - SOD SHALL BE ST. AUGUSTINE, BITTER BLUE OR FLORATAM AND SHALL BE PLACED ON THE GRADED TOP SOIL AND WATERED TO INSURE SATISFACTORY CONDITION UPON FINAL ACCEPTANCE OF THE PROJECT.
  - WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS OR LAKES, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED.
- B. ON-SITE
  - ALL ORGANIC AND OTHER UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAVED SHALL BE REMOVED TO A DEPTH OF THREE (3) FEET BELOW FINISHED GRADE AND FOR THREE (3) FEET BEYOND THE PERIMETER OF THE PAVING.
  - SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 THREE (3) FEET BEYOND THE PERIMETER OF THE PAVING.

**STORM DRAINAGE**

- A. CONCRETE PIPE FOR STORM SEWERS SHALL CONFORM TO ASTM L76-79, TABLE III, WALL B, OR LATEST REVISION. ALL PIPE SHALL HAVE MODIFIED TONGUE AND GROOVE JOINTS, AND HAVE RUBBER GASKETS, UNLESS OTHERWISE SPECIFIED.
- B. BEDDING AND INITIAL BACKFILL OVER DRAINAGE PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 1" DIAMETER.
- C. BACKFILL MATERIAL UNDER PAVED AREAS SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- D. BACKFILL MATERIAL UNDER AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- E. DRAINAGE STRUCTURES AND LINES TO BE CLEANED PRIOR TO ENGINEERS ACCEPTANCE.
- F. DRAINAGE STRUCTURES TO BE CLEANED PRIOR TO STOP ACCEPTANCE IF LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY.
- G. NO CATCH BASINS OR JUNCTION BOXES SHALL BE LOCATED IN DRIVEWAYS.

**PAVING**

- A. GENERAL
  - ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT.
  - CONCRETE SIDEWALKS SHALL BE SIX (6) INCHES THICK WITH EIGHT (8) THICKENED EDGE. SIDEWALK SUB-GRADE SHALL BE GRUBBED, COMPLETELY DEMOLISHED AND COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180. OPEN TYPE EXPANSION JOINTS SHALL BE USED. SIDEWALK MUST BE SEPARATE FROM THE TRAVEL WAY AND CONSTRUCTED IN ACCORDANCE WITH THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX 310.
  - MINIMUM LONGITUDINAL SLOPE OF PAVEMENT SHALL BE 0.5%.
  - MINIMUM TRANSVERSE SLOPE OF PAVEMENT SHALL BE AT 1.5% FOR ROADWAYS AND GENERALLY 0.5% FOR PARKING AREAS.
- B. MATERIALS
  - SUBGRADE MATERIAL SUPPORTING THE ROADWAY AND SHOULDERS SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO (LBR) OF 40. THE STABILIZED SUB-GRADE SHALL BE TWELVE (12) INCHES COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS PER ASHTO T-180.
  - LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM OF 60% CARBONATES, CALCIUM AND MAGNESIUM WITH A MINIMUM LBR OF 100.
  - PRIME COAT SHALL BE APPLIED AT THE RATE OF 0.25 GAL/YD SQ. AND TACK COAT SHALL MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
  - SURFACE COURSE SHALL BE EQUAL TO FDOT TYPE S-1 AND S-3 ASPHALTIC CONCRETE.
- C. INSTALLATION
  - LIMEROCK BASE MATERIAL SHALL BE 8" THICK AND COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  - LIMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. BASES GREATER THAN 6" SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS. LIMEROCK BASE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  - ASPHALTIC CONCRETE SHALL BE (2) 3/4" LIFTS OF TYPE S-3 ASPHALTIC CONCRETE.
  - FOR ASPHALT CONCRETE INSTALLED WITHIN STOP RIGHT OF WAY THE WEARING SURFACE SHALL BE TWO (2) INCHES APPLIED IN TWO LIFTS. FIRST LIFT TO BE 1-1/4" TYPE S-1. SECOND LIFT TO BE 3/4" TYPE S-3. TACK COAT TO BE USED BETWEEN PAVING LIFTS.
  - PRIME COAT SHALL BE PLACED ON ALL LIMEROCK BASES IN ACCORDANCE WITH FDOT STANDARDS.
  - TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS.
  - TESTING ALL SUB-GRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER. LABORATORY PROCTOR COMPACTION TESTS (T-180) SHALL BE PERFORMED ON ALL MATERIAL. SUB-GRADE AND BASE AND ANY SUBSEQUENT CHANGES IN MATERIALS. LIMEROCK BEARING RATIOS, SIEVE ANALYSIS AND DENSITIES REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER.

**SIGNING AND MARKING**

- A. ALL PAVEMENT MARKING SHALL BE HOT APPLIED THERMOPLASTIC MANUFACTURED AND APPLIED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 711, LATEST EDITION.
- B. ALL SIGNS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- C. REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS B MARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 706, LATEST EDITION AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.

**WATER DISTRIBUTION SYSTEM**

- A. GENERAL
  - THE CONTRACTOR SHALL NOTIFY THE SEMINOLE TRIBE OF FLORIDA (STOF) AND THE ENGINEER OF RECORD NO LATER THAN 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING SYSTEMS.
  - ALL WATER AND IRRIGATION LINES TO BE INSTALLED ACCORDING TO STOP CONSTRUCTION DETAIL MANUAL STANDARD DETAILS W-01, W-02, AND W-03.
  - SEPARATION OF WATER AND SEWER MAINS
    - SEPARATION BETWEEN WATER MAINS AND ANY TYPE OF SEWER AND RECLAIMED WATER MUST COMPLY WITH THE REQUIREMENTS OF RULE 62-555.314 (FAC).
    - PARALLEL WATER AND SEWER MAINS SHALL HAVE A MINIMUM 10' HORIZONTAL SEPARATION, WHERE THIS IS NOT POSSIBLE, THE SEWER MAIN SHALL BE IN A SEPARATE TRENCH AND BE AT LEAST 18" BELOW THE WATER MAIN.
    - THE SEWER MAIN SHALL CROSS BELOW ALL WATER MAINS WITH A MINIMUM OF 18" VERTICAL CLEARANCE, WHERE THE CLEARANCE IS LESS THAN 18", THE SEWER MAIN SHALL BE SDR-26 AND WATER MAIN SHALL BE DIP FOR 20' CENTERED ON THE POINT OF CROSSING. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING SHALL BE MECHANICALLY RESTRAINED.
  - DIP SHALL BE INSTALLED IN ACCORDANCE WITH ANSII/AWWA C 600-99.
  - DIP SHALL BE INSTALLED WITH A MINIMUM OF 30' COVER.
  - MINIMUM SERVICE LINE COVER SHALL BE 24 INCHES AND SLEEVED UNDER PAVED AREAS WITH SCHEDULE 40 PVC WATER MAINS SHALL BE PLUGGED WITH ELASTOMERIC CAULK AND LOCATED IN SAND BEDDING.
  - ALL VALVES SHALL BE INSTALLED WITH ADJUSTABLE CAST IRON VALVE BOXES WITH THE WORD "WATER" CAST IN THE COVER.
  - MAIN VALVES SHALL BE COATED ON AN EXTENSION OF THE RIGHT-OF-WAY LINE UNLESS DIMENSIONED OTHERWISE.
- B. TESTING
  - THE PHYSICAL CONNECTION OF THE NEW SYSTEM TO THE EXISTING SYSTEM SHALL BE DONE IN ACCORDANCE WITH SECTION C.1. ABOVE WHICH WILL DICTATE THE ORDER OF THE PRESSURE TESTING AND DISINFECTION.
  - HYDROSTATIC TEST PRESSURE FOR LEAKAGE SHALL BE AT 150 PSI FOR 2 HOURS. TEST PRESSURE SHALL NOT VARY MORE THAN 5 PSI IN ACCORDANCE WITH LATEST EDITION OF ANSII/AWWA C600-05. MAXIMUM ALLOWABLE LEAKAGE SHALL BE CALCULATED AS FOLLOWS:  
  

$$L = \frac{SD(P)^{0.5}}{148,000}$$

L = ALLOWABLE LEAKAGE GALLON PER MINUTE  
S = LENGTH IN LINEAR FEET  
D = NOMINAL PIPE DIAMETER IN INCHES  
P = PRESSURE IN PSI

- 1. PIPE RESTRAINS: ALL FITTINGS AND PIPE JOINTS REQUIRING TO BE RESTRAINED SHALL USE MEGALUG RESTRAINER AS FOLLOWS:
  - PUSH ON DIP TR-FLEX BY US PIPE OR FLEX RING BY AMERICAN OR EBAA IRON SERIES 1700 MEGALUG OR APPROVED SUBSTITUTE
  - FITTINGS WITH DIP MEGALUG OR APPROVED SUBSTITUTE
  - PUSH ON PVC EBAA IRON SERIES 1900 MEGALUG SPLIT SERRATED RESTRAINT HARNESS OR APPROVED SUBSTITUTE
  - FITTINGS WITH PVC EBAA IRONS 2000PV MEGALUG OR APPROVED SUBSTITUTE

- g. PIPE JOINTS SHALL BE MECHANICAL, CONFORMING TO AWWA C-111-00.
- h. ALL GASKETS SHALL BE NEOPRENE, WHERE REQUIRED POLYETHYLENE WRAP SHALL BE INSTALLED.
- i. PVC AND D.I.P. SHALL NOT BE DEFLECTED MORE THAN 1/2 THE MANUFACTURER'S RECOMMENDATION.
- j. DETECTOR TAPE SHALL BE LAID 18 INCHES BELOW FINAL GRADE FOR ALL WATER LINES. A 14-GAUGE MULTI-STRAND WIRE SHALL BE ATTACHED TO ALL PVC WATER MAINS TO FACILITATE LOCATION. AN EXTRA FOUR (4) FEET OF WIRE SHALL BE PROVIDED AT ALL BLOW OFFS AND HYDRANTS, ETC. THE WIRE SHALL BE LAID CLEAR OF VALVES. THE WIRE SHALL BE TESTED FOR CONTINUITY AT THE PRESSURE TEST.
- k. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320, FAC.
- 2. FITTINGS SHALL BE CAST IRON MECHANICAL JOINT TYPE HAVING A PRESSURE RATING OF 250 PSI, AND CONFORMING TO ANSII/AWWA C-110/A21.10-03.
- 3. ISOLATION VALVES SHALL BE MECHANICAL JOINT TYPE ONLY, WHICH MEET THE REQUIREMENTS OF ANSII/AWWA C509, AND THE MECHANICAL JOINT SHALL CONFORM TO ANSII/AWWA C111/A11.11. THE INTERIOR LINING SHALL BE EPOXY IN ACCORDANCE WITH AWWA C550 AND AN EXTERIOR COATING OF EPOXY SHALL BE APPLIED. BOTH SHALL HAVE A 40 MIL DRY FILM THICKNESS (DFT). VALVES SHALL ADHERE TO THE FOLLOWING:
  - ISOLATION VALVES LESS THAN OR EQUAL TO 18 INCHES SHALL BE RESILIENT WEDGE GATE VALVES AND BE OF THE FOLLOWING MAKES:
    - FRAT
    - DEZURIK
    - CLOW

**STOF ERMD NOTES**

- A. IF HISTORIC OR ARCHEOLOGICAL ARTIFACTS OR POSSIBLE CULTURALLY IMPORTANT ITEMS OR AREAS ARE DISCOVERED AT ANY TIME ON THE PROJECT SITE, THE CONTRACTOR SHALL CEASE WORK IN THE AREA AND IMMEDIATELY NOTIFY ERMD AT 954-965-4380 OR 963-763-4128 AND THE TRIBAL HISTORIC PRESERVATION OFFICE AT 863-983-6549.
- B. ANYONE WORKING IN THE FIELD MUST WATCH A VIDEO ON HOW TO DEAL WITH ENDANGERED SPECIES AND THEIR HABITAT. THE CONTRACTOR MUST SEND THE SIGN IN SHEET TO ERMDREQUEST@SEMTRIBE.COM. THE CONTRACTOR MUST KEEP THE ENDANGERED SPECIES BROCHURES VISIBLY POSTED ON SITE AT ALL TIMES. IF WORKERS ENCOUNTER ENDANGERED SPECIES OR IF CONSTRUCTION CAUSES INJURY OR DEATH TO ANY ENDANGERED ANIMAL, CEASE WORK IMMEDIATELY AND CONTACT ERMD AT 954-965-4380 OR 863-763-4128 OR THE WILDLIFE BIOLOGIST AT 954-410-7073.
- C. DURING CONSTRUCTION SOIL OR GROUNDWATER CONTAMINATION IS ENCOUNTERED OR A SPILL OF A HAZARDOUS MATERIAL OR OIL/GASOLINE OCCURS PLEASE STOP WORK IN THAT AREA AND CONTACT ERMD AT 954-965-4380 OR 862-763-1428.
- 4. VALVE BOX SHALL BE U.S. FOUNDRY MODEL #F500 AND SHALL BE PAINTED BLUE WITH THE DESIGNATION "WATER".
- 5. ALL VALVES SHALL HAVE A BRASS ID MARKER EMBEDDED IN THE COLLAR. THE MARKER SHALL INDICATE THE SIZE AND TYPE OF VALVE. AS WELL, THE DIRECTION AND NUMBER OF TURNS NEEDED TO OPEN THE VALVE, AND THE TYPE OF SERVICE LINE (IE. WM, FM, RM). EXAMPLE: 8" R.S.G.V. 15 T.O.L. W.M.
- 6. FIRE HYDRANTS
  - FIRE HYDRANTS SHALL HAVE A MINIMUM 5-1/4" VALVE OPENING AND SHALL OPEN AGAINST THE PRESSURE AND CLOSE WITH THE FLOW. HYDRANTS SHALL BE CLOW MEDALLION F2545, MUELLER CORPORATION #423, OR APPROVED EQUAL.
  - COLOR CODING OF HYDRANTS SHALL BE INDICATED BY PAINTED YELLOW, RUST-OLEUM #944 SAFETY YELLOW, OR APPROVED EQUAL AND COLOR CODED AS FOLLOWS:
    - 1000 GPM OR GREATER - GREEN
    - 500 GPM - 1000 GPM - ORANGE
  - THE BONNETS OF THE HYDRANTS WILL BE COLOR CODED BY THE CONTRACTOR IN ACCORDANCE TO THE ABOVE SPECIFICATIONS. THE PAINT USED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEERING DEPARTMENT, THE FIRE AND ENGINEERING DEPARTMENTS MUST BE NOTIFIED 24 HOURS PRIOR TO TESTING. A REPRESENTATIVE FROM THE FIRE DEPARTMENT WILL BE REQUIRED TO WITNESS ALL FLOW TESTS. RESULTS OF THE FLOW TESTS MUST BE DOCUMENTED BY THE CONTRACTOR AND FORWARDED TO THE FIRE AND ENGINEERING DEPARTMENT.
  - A BLUE REFLECTIVE PAVEMENT MARKER SHALL BE PROVIDED IN THE CENTER OF THE NEAREST LANE OF ROAD PAVEMENT ADJACENT TO ALL FIRE HYDRANT LOCATIONS.
  - FIRE HYDRANTS THAT WILL BE REMOVED WILL BE RELOCATED AND INSTALLED AS PART OF THIS PROJECT.
  - DETECTOR TAPE SHALL BE 3" WIDE BLUE TAPE WITH A METALLIC FOIL CORE LAMINATED BETWEEN 2 LAYERS OF PLASTIC FILM. THE WORDS "CAUTION WATER LINE BURIED BELOW" SHALL BE PRINTED AT 30" INTERVALS ALONG THE TAPE. DETCO TAPE SHALL BE PLACED 18" BELOW FINISHED GRADE.
  - SERVICE SADDLES SHALL BE DUCTILE IRON WITH STAINLESS STEEL STRAPS. SADDLES SHALL CONFORM TO ANSII/AWWA C111/A21.11-00 AND ATSM A 988. SERVICE SADDLES SHALL BE FORD MODEL FC202, OR APPROVED EQUAL. SERVICE SADDLES TO BE EPOXY COATED.
  - SERVICE PIPE SHALL BE POLYETHYLENE. MINIMUM SERVICE LINE COVER SHALL BE 24 INCHES AND SLEEVED UNDER PAVED AREAS WITH BOTH ENDS SEALED WITH ELASTOMERIC CAULK AND LAID IN SAND BEDDING. SERVICE PIPE MATERIAL SHALL BE PHILLIPS 66 DRISCOPEPE 5100. SERVICE TRENCH SHALL BE BACK FILLED WITH CLEAN SAND ONLY.
  - CORPORATION STOPS SHALL BE MANUFACTURED OF BRASS ALLOY IN ACCORDANCE WITH ASTM B 62 WITH THREADED ENDS. CORPORATION STROPS SHALL BE FORD MODEL 1100, OR APPROVED EQUAL.
  - CORPORATION STOPS ON MAINS FOR ALL 2-INCH OR LESS SERVICE CONNECTIONS SHALL BE FORD BALLCORP, CATALOG #FB-1100 OR MUELLER P-25228.
  - METER PIPES SHALL BE THE LOCKING TYPE AND SHALL BE OF BRONZE CONSTRUCTION IN ACCORDANCE WITH ATSM B 62. METER STOPS SHALL BE CLOSED BOTTOM DESIGN AND RESILIENT 'O' RING SEALED AGAINST EXTERNAL LEAKING OF THE TOP. STOPS SHALL BE EQUIPPED WITH A METER COUPLING NUT ON THE OUTLET SIDES.
  - METER VALVES SHALL BE IN ACCORDANCE WITH ASTM B-62 LATEST VERSION.
    - FORD ANGLE METER VALVE, CATALOG #V63-444W-1" FORD ANGLE METER VALVE, CATALOG #V63-777W-2"
    - FORD ANGLE METER VALVE, BRANCH #V63-429W-1"
    - FORD RESIDENTIAL DUAL CHECK VALVES, CATALOG #HCA31-2/3 8 x 3/4"
    - FORD STAINLESS STEEL INSERT STIFFENERS FOR PLASTIC PIPE, 3/4"1004 FOR 1" TUBE OR #FB110-7 FOR 2" TUBE
  - RADIO READ METERS ARE REQUIRED. IN ALL NEW SUBDIVISIONS AS MANUFACTURED BY SENSUS TECHNOLOGIES (SUPPLIED BY CITY).
- C. INSTALLATION
  - CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY DEPARTMENT FOR WATER CONNECTIONS.
  - PVC PIPE
    - PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNI-BELL PLASTIC PIPE ASSOCIATION'S "GUIDE FOR INSTALLATION OF PVC PRESSURE PIPE FOR MUNICIPAL WATER DISTRIBUTION SYSTEMS".
    - PVC PIPE SHALL BE INSTALLED WITH A MINIMUM OF 38' COVER.
    - BEDDINGS AND INITIAL BACKFILL FOR ALL PVC WATER MAINS SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER.
    - DETECTOR TAPE SHALL BE INSTALLED THE FULL LENGTH OF ALL PVC WATER MAINS APPROXIMATELY 18" BELOW FINISHED GRADE, BLUE SIDE UP.
    - A 14 GAUGE MULTI-STRAND WIRE SHALL BE ATTACHED TO ALL PVC WATER MAINS TO FACILITATE LOCATION.
    - AN EXTRA FOUR (4) FEET OF WIRE SHALL BE PROVIDED AT ALL BLOW OFFS AND HYDRANTS, ETC. THE WIRE SHALL BE LAID CLEAR OF VALVES. THE WIRE SHALL BE TESTED FOR CONTINUITY AT THE PRESSURE TEST.
  - DUCTILE IRON PIPE
    - DIP SHALL BE INSTALLED IN ACCORDANCE WITH ANSII/AWWA C 600-99.
    - DIP SHALL BE INSTALLED WITH A MINIMUM OF 30' COVER.
    - MINIMUM SERVICE LINE COVER SHALL BE 24 INCHES AND SLEEVED UNDER PAVED AREAS WITH SCHEDULE 40 PVC WATER MAINS SHALL BE PLUGGED WITH ELASTOMERIC CAULK AND LOCATED IN SAND BEDDING.
    - ALL VALVES SHALL BE INSTALLED WITH ADJUSTABLE CAST IRON VALVE BOXES WITH THE WORD "WATER" CAST IN THE COVER.
    - MAIN VALVES SHALL BE COATED ON AN EXTENSION OF THE RIGHT-OF-WAY LINE UNLESS DIMENSIONED OTHERWISE.
  - TESTING
    - THE PHYSICAL CONNECTION OF THE NEW SYSTEM TO THE EXISTING SYSTEM SHALL BE DONE IN ACCORDANCE WITH SECTION C.1. ABOVE WHICH WILL DICTATE THE ORDER OF THE PRESSURE TESTING AND DISINFECTION.
    - HYDROSTATIC TEST PRESSURE FOR LEAKAGE SHALL BE AT 150 PSI FOR 2 HOURS. TEST PRESSURE SHALL NOT VARY MORE THAN 5 PSI IN ACCORDANCE WITH LATEST EDITION OF ANSII/AWWA C600-05. MAXIMUM ALLOWABLE LEAKAGE SHALL BE CALCULATED AS FOLLOWS:  
  

$$L = \frac{SD(P)^{0.5}}{148,000}$$

L = ALLOWABLE LEAKAGE GALLON PER MINUTE  
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D = NOMINAL PIPE DIAMETER IN INCHES  
P = PRESSURE IN PSI

- 3. THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE SEMINOLE TRIBE OF FLORIDA (STOF) AND THE ENGINEER OF RECORD.
- 4. BEFORE ACCEPTANCE FOR OPERATION, THE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE TO THE LATEST EDITION OF ANSII/AWWA C651-05 WITH BACTERIOLOGICAL SAMPLES PROVIDED BY THE COUNTY HEALTH DEPARTMENT. COLLECTION OF SAMPLES IS THE CONTRACTOR'S RESPONSIBILITY AND WILL BE WITNESSED BY THE ENGINEER'S REPRESENTATIVE.
- 5. BACTERIOLOGICAL TESTING WITHIN THE RIGHT OF WAY SHALL BE IN ACCORDANCE WITH ANSII/AWWA C651-05. MAXIMUM DISTANCE BETWEEN SAMPLING POINTS SHALL BE AS FOLLOWS:
  - TRANSMISSION MAINS: EVERY 1200 FEET
  - BRANCH MAINS: EVERY 1000 FEET
  - ISOLATED MAINS: LESS THAN 1000 FEET; 2 SAMPLE POINTS; GREATER THAN 1000 FEET; 3 SAMPLE POINTS
  - MAXIMUM DISTANCE BETWEEN SAMPLING POINTS SHALL NOT EXCEED 1200 FEET.

- 6. STOF AND ENGINEER TO BE ADVISED IN WRITING AT LEAST 48 HOURS PRIOR TO THE FOLLOWING:
  - WET CONNECTIONS
  - PRESSURE TESTS
  - FILLING/FLUSHING
  - CHLORINATION
  - BACTERIOLOGICAL SAMPLES

**STOF ERMD NOTES**

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- C. DURING CONSTRUCTION SOIL OR GROUNDWATER CONTAMINATION IS ENCOUNTERED OR A SPILL OF A HAZARDOUS MATERIAL OR OIL/GASOLINE OCCURS PLEASE STOP WORK IN THAT AREA AND CONTACT ERMD AT 954-965-4380 OR 862-763-1428.

**DATUM INFORMATION**  
ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NAVD 1983 DATUM.

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



**PROGRESS SET**

2103 Coral Way  
Suite 401  
Miami, FL 33145  
Tel: (786) 497-1500  
Fax: (786) 497-2300

**CHEN-MOORE & ASSOCIATES**

JOSE LACOSTA, P.E.  
CIVIL ENGINEER  
FL Reg. No. 15473

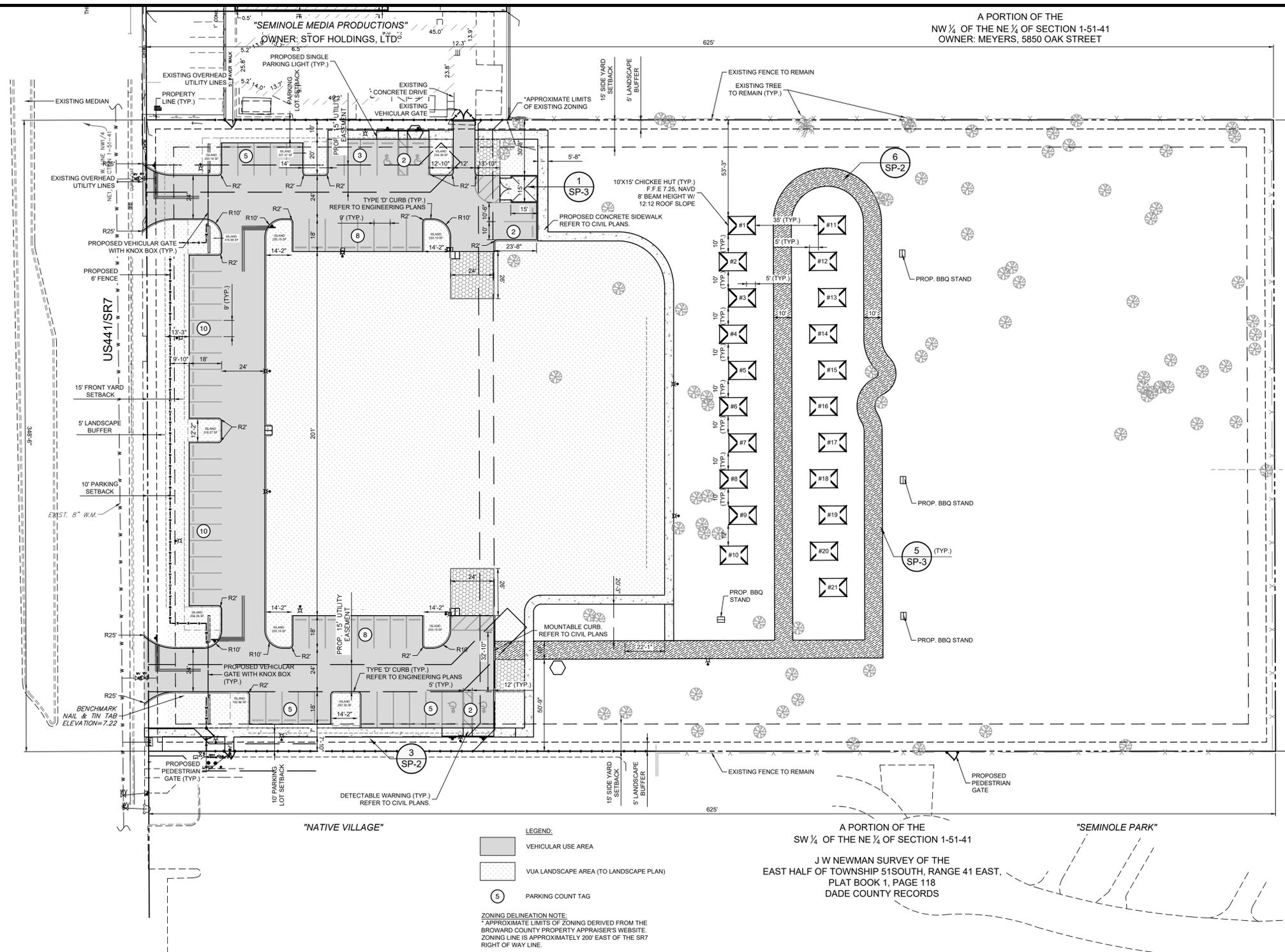
**The Seminole Tribe of Florida**

SEMINOLE VILLAGE PHASE I  
SPECIFICATION SHEET

Date: 01/29/2018  
Sheet: 1 of 16  
Drawing: SPC-1  
PROJECT NO. 300.001



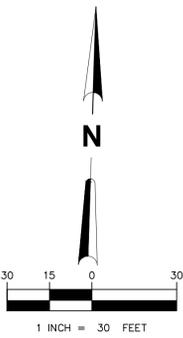
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**LEGEND:**  
 [Hatched Area] VEHICULAR USE AREA  
 [Dotted Area] VUA LANDSCAPE AREA (TO LANDSCAPE PLAN)  
 (5) PARKING COUNT TAG

**ZONING DELINEATION NOTE:**  
 \* APPROXIMATE LIMITS OF ZONING DERIVED FROM THE BROWARD COUNTY PROPERTY APPRAISER'S WEBSITE. ZONING LINE IS APPROXIMATELY 200' EAST OF THE SR7 RIGHT OF WAY LINE.

- NOTES:**
- THESE EXISTING CONDITIONS (EC) DRAWINGS WERE BASED ON THE SURVEY PREPARED BY GIBBS LAND SURVEYORS, PHONE (954) 923-7666, JOB NUMBER RN7374, DATED 03/06/2014. ALL ELEVATIONS REFER TO NAD 1983 DATUM.
  - CONTRACTOR TO FIELD LOCATE AND CONFIRM ALL UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO ANY CONSTRUCTION & NOTIFY ENGINEER OF ANY DISCREPANCIES.
  - CHICKEE HUTS TO BE CONSTRUCTED BY SEMINOLE TRIBE OF FLORIDA. BUILDINGS /STRUCTURES NOT SUBJECT TO LOCAL BUILDING CODES.
  - DECORATIVE FENCES AND GATES SHALL BE ALUMINUM. REFER TO SITE PLAN DETAILS SHEET SP-2.
  - ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE LOCAL ZONING AND LANDSCAPE DEVELOPMENT REGULATIONS.
  - ALL UTILITIES SHALL BE COORDINATED WITH APPROPRIATE DEPARTMENTS AND/OR UTILITY OWNERS.
  - THE MAXIMUM .5 FOOT CANDLE LEVEL AT ALL PROPERTY LINES.



A PORTION OF THE SW ¼ OF THE NE ¼ OF SECTION 1-51-41  
 J W NEWMAN SURVEY OF THE EAST HALF OF TOWNSHIP 51 SOUTH, RANGE 41 EAST, PLAT BOOK 1, PAGE 118 DADE COUNTY RECORDS

- GREEN BUILDING PRACTICES IMPLEMENTED WITH THIS PLAN SET:**
- THE PROPOSED DEVELOPMENT SHALL COMPLY WITH CITY MANDATED GREEN BUILDING PRACTICES PER ORDINANCES, PER SECTION 151.152 & 151.153 OF THE CITY ORDINANCE. SEE BELOW FOR AREAS OF GREEN BUILDING PRACTICE:
- SECTION 151.152 COMMERCIAL GREEN BUILDING PRACTICES**
- PROVIDE BICYCLE RACK. SEE SITE PLAN FOR BIKE RACK LOCATION.
  - PROVIDE EXTERIOR RECYCLING TRASH CAN. REFER TO SITE PLAN.
  - APPLY ENERGY STAR RADIANT BARRIER TO ROOF ATTIC. REFER TO NOTE ON ROOF PLAN 04/A-1.1.
  - PROVIDE ENERGY STAR APPROVED ROOF MATERIAL. STANDING SEAM ROOF BY UNA-CLAD, ENERGY STAR COMPLIANT COLOR: SHERWOOD GREEN.
  - PROVIDE OCCUPANCY/VACANCY LIGHT SENSORS. REFER TO ELECTRICAL PLANS.
  - PROVIDE DUAL FLUSH TOILETS. REFER TO PLUMBING PLANS.
  - PROVIDE 80% OF PLANTS, TREES AND GRASS PER SOUTH FLORIDA WATER MANAGEMENT DISTRICT RECOMMENDATIONS. SEE LANDSCAPE DRAWINGS.
  - PROVIDE ENERGY EFFICIENT OUTDOOR LIGHTING. REFER TO ELECTRICAL PLANS
  - PROPOSED ENERGY PERFORMANCE SHALL BE 10% MORE EFFICIENT THAN STANDARD ESTABLISHED BY ASHRAE. REFER TO MECHANICAL PLANS.
  - PROPOSED 50% REDUCTION IN WATER CONSUMPTION THROUGH WATER EFFICIENT IRRIGATION AS OUTLINED BY THE USBC (LEED) CRITERIA. REFER TO IRRIGATION PLANS.

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**Sunshine811**  
 Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.  
 Check positive response codes before you dig!

**Legal Description**  
 THE SOUTH 348.50 FEET OF THE WEST 660 FEET OF THE NORTHWEST ONE-QUARTER (NW ¼) OF THE NORTHEAST ONE-QUARTER (NE ¼) OF SECTION 1, TOWNSHIP 51 SOUTH, RANGE 41 EAST, EXCEPTING THEREFROM THE WEST 35 FEET THEREOF FOR HIGHWAY PURPOSES. SAID LANDS SITUATE LYING AND BEING IN BROWARD COUNTY, FLORIDA. CONTAINING 5.00 ACRES (217,813 SQUARE FEET), MORE OR LESS.

**Land Use Designation**  
 State Road 7 Transit Oriented Corridor (TOC)

**Zoning**  
 North Mixed-Use District (N-MU)

Total Project Area	Square Feet	Acres			
	217,813	5.000			

Proposed Conditions	Square Feet	Acres	Min. Floor Elev	Max. Floor Elev	Sub Area
Asphalt Pavement (VUA)	27,588	0.633	6	8.75	2
Chickee Hut	6,100	0.140	7.25	7.25	3
Concrete Sidewalk	5,653	0.130			
<b>Total Impervious</b>	<b>39,341</b>	<b>0.903</b>			
<b>Total Pervious</b>	<b>178,472</b>	<b>4.097</b>	6	7.35	4

Total Proposed Site Area		217,813	5.000		
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Building Setbacks in N-MU District	Adjacent Use	Required	Provided
North Property Line (Ex. Commercial & Residential)	Non-Residential	0'	30'-6"
	Residential	15'	53'-3"
South Property Line (Native Village & Residential)	Non-Residential	0'	25'
	Residential	15'	25'
Rear Property Line	Residential	15'	195'
Frontage Property Line			

Parking Lot Setbacks in N-MU District	Required	Provided
Front	10'	20'-5"
North Side	5'	10'
South Side	5'	12'-10"
Rear	5'	400'

Required VUA Landscape (25% of VUA)			
25% of VUA	27,588	6,897	52,630

Accessible Parking Requirements			
50 - 100	56	4	4

Design Values			
FEMA Flood Zone @ 8 NAVD (August 18, 2014)			
Ground Storage	3.97"		
5 year-1day	7.5"		
10 year-1day	8.5"		
25 year- 3 day	13.5"		
100 year - 3 day	17"		

DESIGNER: ACS	DRAWN BY: EDH, SZB	CHECKER: CAB	SCALE: AS SHOWN	NO.	DATE	REVISION
				5		
				4		
				3		
				2		
				1		

2103 Coral Way  
 Suite 401  
 Miami, FL 33145  
 Tel: (786) 497-1500  
 Fax: (786) 497-2300

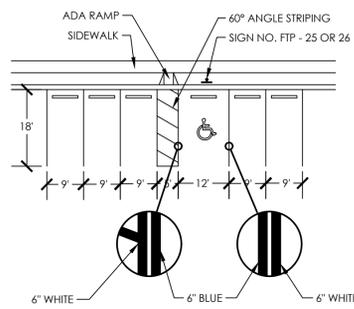
**CHEN-MOORE**  
 & ASSOCIATES

**The Seminole Tribe of Florida**

SEMINOLE VILLAGE PHASE I  
 SITE PLAN

Date: 01/29/2018  
 Sheet: 3 of 16  
 Drawing: SP-1  
 PROJECT NO: 300.001

**PROGRESS SET**



- RE: FDOT INDEX NO. 17355
- ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
- ALL PAVEMENT MARKINGS ON PAVEMENT SYSTEMS SHALL BE 3M 5730/31 TAPE AND APPLIED WITH AN E44 CONTACT CEMENT AS PER MANUFACTURER'S SPECIFICATIONS.
- ALL PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

**1 HANDICAP STRIPING DETAIL**

1" = 20'

321216-77



- TOP PORTION OF FTP 25 SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.
- BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
- FTP 25 MAY BE FABRICATED ON ONE PANEL OR TWO.

**3 TYPICAL HANDICAPPED SIGN FTP-25**

1 1/2" = 1'-0"

324123-02

- POST CAP
- TOP RAIL
- CROSS BAR/SUPPORT RAIL
- BALUSTRADE
- BOTTOM RAIL
- CONCRETE FOOTER
- SELF CLOSING GATE
- FULCRUM LATCH WITH STRIKE STRAP
- SELF CLOSING GATE HINGE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- CROSS BRACE/TENSION ROD AS NECESSARY

- NOTES:
- ALL ALUMINUM FENCING SHALL HAVE A BLACK, POWDER COATED FINISH.
  - CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS BY A FLORIDA REGISTERED STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

**5 6' DECORATIVE ALUMINUM SWING GATE**

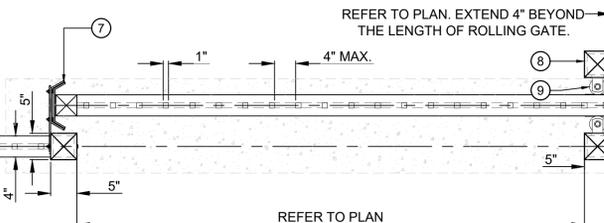
3/4" = 1'-0"

323119-06

**2 6' DECORATIVE ALUMINUM FENCING**

3/4" = 1'-0"

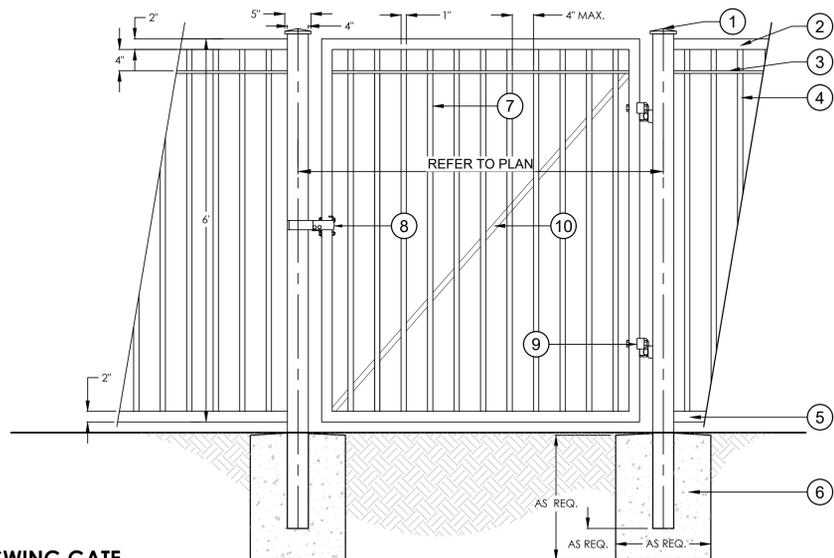
- NOTES:
- ALL ALUMINUM FENCING SHALL HAVE A BLACK, POWDER COATED FINISH.
  - CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS BY A FLORIDA REGISTERED STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.



- POST CAP
- TOP RAIL
- CROSS BAR/SUPPORT RAIL
- BALUSTRADE
- BOTTOM RAIL
- CONCRETE FOOTER
- LATCH/STOPPING BLOCK
- GUIDE POST
- ROLLING GUIDE
- V-TRACK
- SAFETY SHIELD
- WHEEL & TRACK ASSEMBLY
- CROSS BRACE/TENSION ROD AS NECESSARY
- V-TRACK FOUNDATION
- FENCE LINE

**4 6' DECORATIVE ALUMINUM ROLLING GATE**

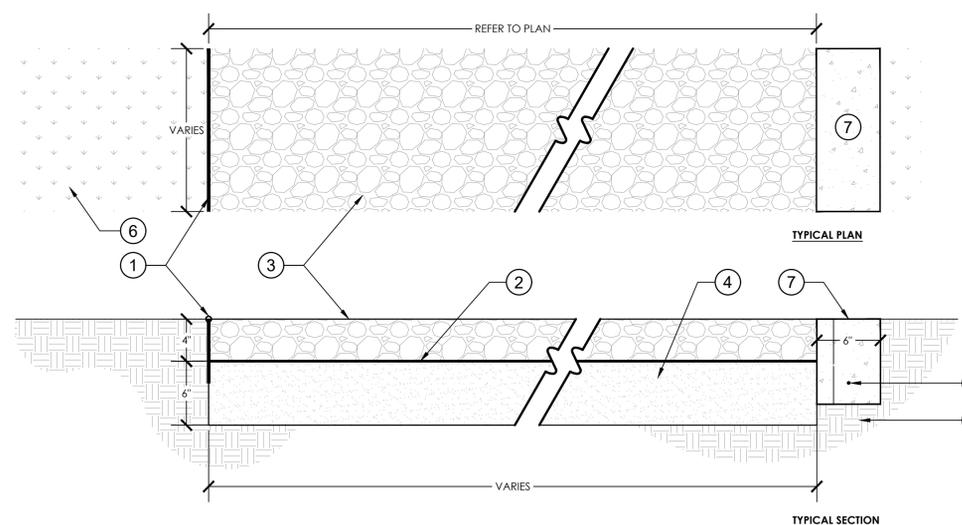
3/4" = 1'-0"



**6 CRUSHED STONE PATHWAY**

1 1/2" = 1'-0"

321516-03



- PVC OR PLASTIC CONTAINMENT EDGE (TYP.), 8" MIN. DEPTH.
- GEO-TEXTILE FABRIC OR LANDSCAPE PAPER
- DECOMPOSED GRANITE  
COLOR: BUFF/BEIGE/TAN MIX  
SIZE: 1/4" OR SMALLER PARTICLE  
DECOMPOSED GRANITE SHALL BE MIXED WITH BONDING AGENT. CONTRACTOR TO SUBMIT BONDING AGENT SPECIFICATIONS FOR REVIEW.
- COMPACTED AGGREGATE
- UNDISTURBED SOIL OR EXISTING SUB-GRADE
- LANDSCAPE OR SHRUB MATERIAL. REFER TO LANDSCAPE PLAN
- ALTERNATE EDGING MATERIAL 6"x6" CONTINUOUS CONCRETE HEADER BAND
- #3 REBAR, CONTINUOUS, 2" MIN. COVER

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DESIGNER: ACS	NO.	DATE	BY
DRAWN BY: EDH, SZB	4		
CHECKER: CAB	3		
SCALE: AS SHOWN	2		
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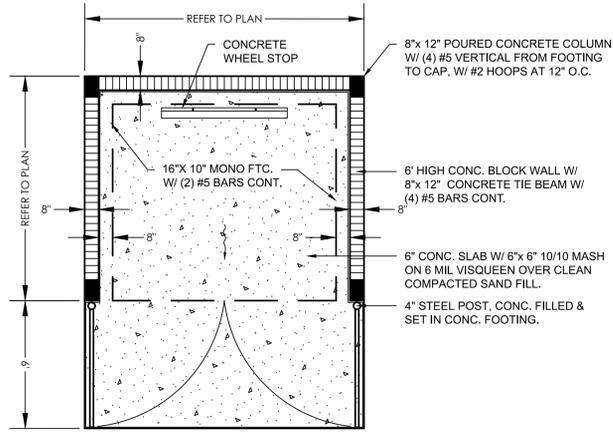


**The Seminole Tribe of Florida**

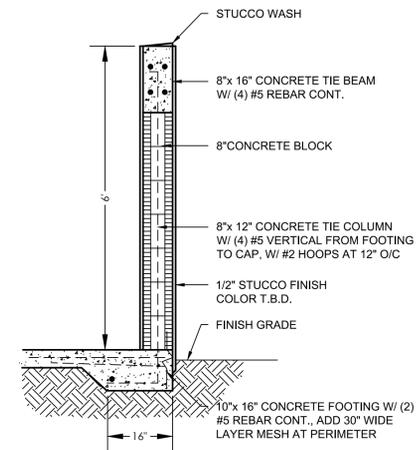
SEMINOLE VILLAGE PHASE I  
SITE DETAILS

Date: 01/29/2018  
Sheet: 4 of 16  
Drawing: SPD-1  
PROJECT NO: 300.001

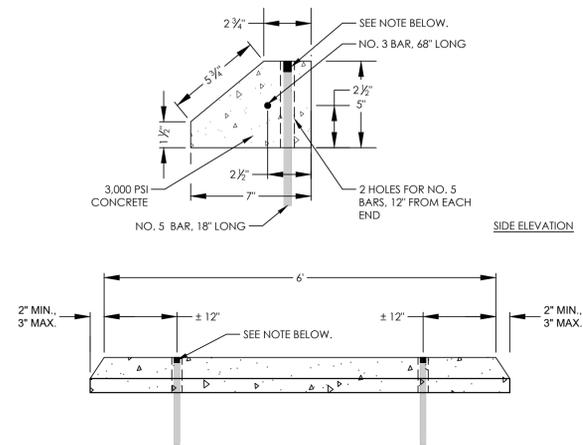
**PROGRESS SET**



PLAN



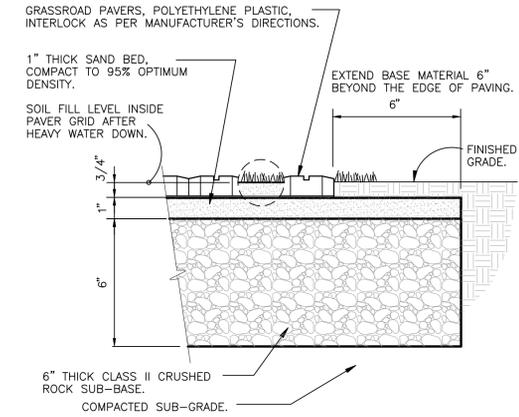
TYPICAL CROSS SECTION



NOTE: BARS TO BE DRIVEN 3/4 INCHES BELOW TOP OF WHEEL STOP AND GROUT FILLED FLUSH WITH TOP OF WHEEL STOP.

2 WHEEL STOP DETAIL

N.T.S. 3216-01

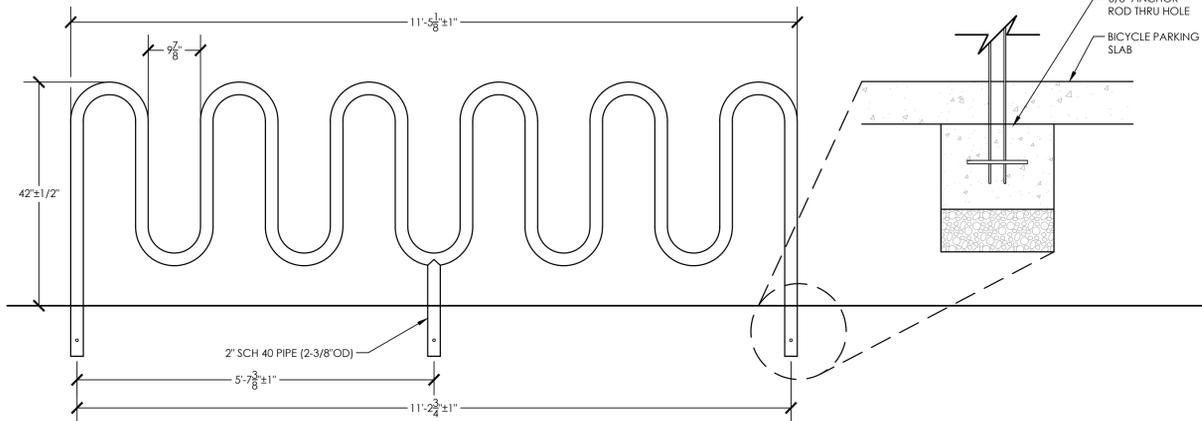


3 PLASTIC TURN REINFORCED PAVING

3" = 1'-0" 321443.13-01

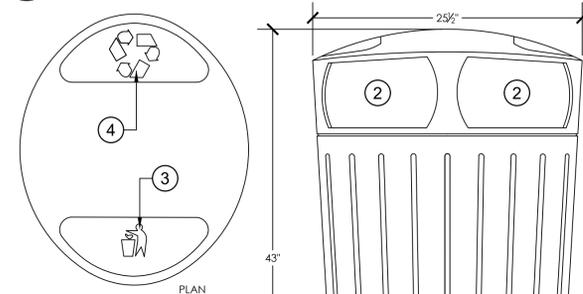
1 CONCRETE DUMPSTER ENCLOSURE

1/4" = 1'-0" 3231-04



4 MADRAX HEAVY DUTY WINDER - 13 CAPACITY

3/4" = 1'-0" 129313-02



- 1 36 GALLON LITTER RECEPTACLE BY FORMS + SURFACES OR APPROVED EQUAL. MODEL NUMBER: SLDIS-36-TD
- 2 LITTER OPENING
- 3 LITTER GRAPHIC
- 4 RECYCLING GRAPHIC
- 5 CONCRETE SLAB, REFER TO DETAIL 1, SHEET L2.06
- 6 INSTALL PER MANUFACTURER'S RECOMMENDATIONS

5 DISPATCH 36 GALLON LITTER RECEPTACLE

1 1/2" = 1'-0" 129323-04

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DRAWN BY: EDH, SZB	5			
CHECKER: CAB	4			
SCALE: AS SHOWN	3			
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CRISTOBAL BETANCOURT, P.L.L.C.  
FL Reg. No. 66981

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Miami, FL 33145  
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Fax: (786) 497-2300

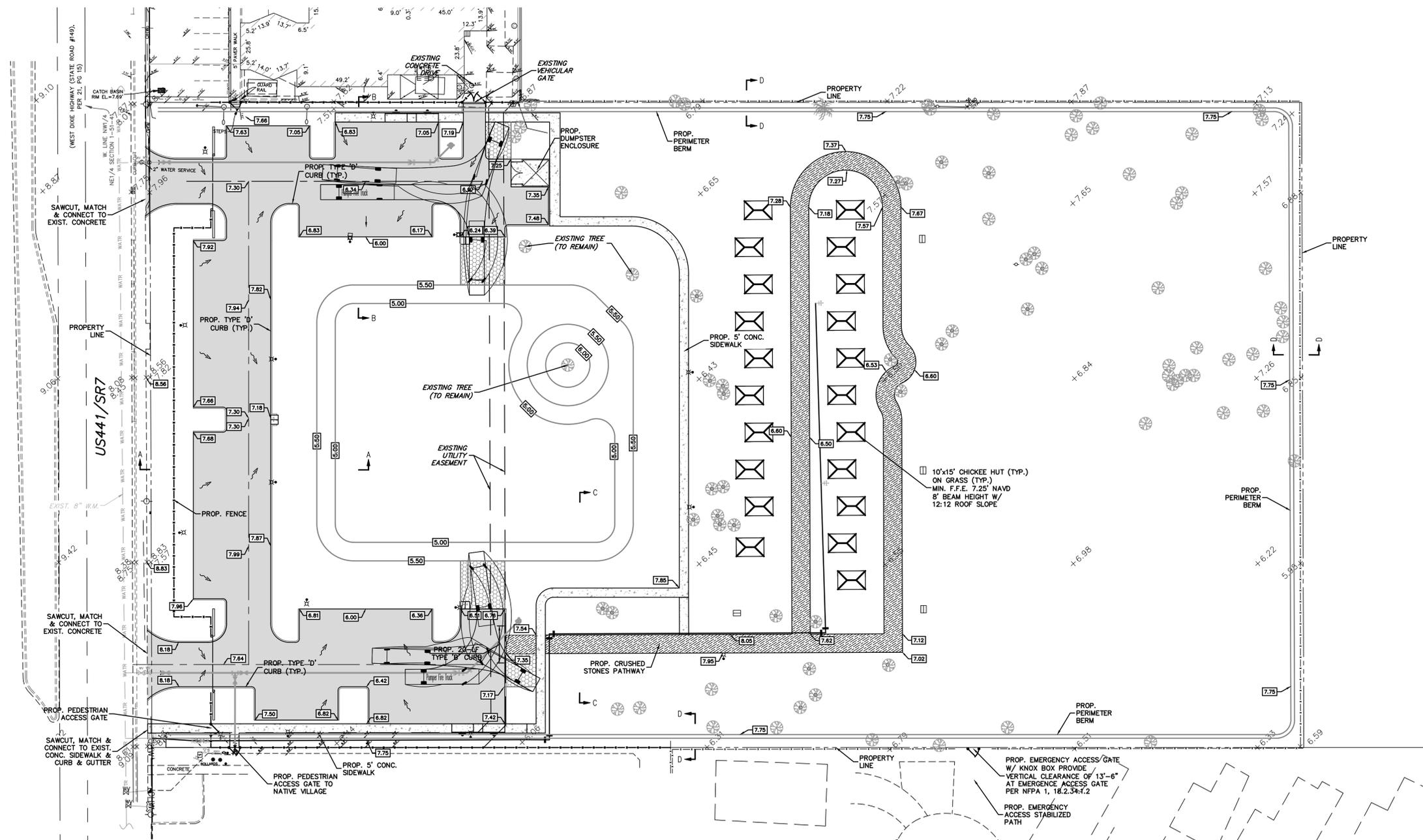
CHEN-MOORE & ASSOCIATES

SEMINOLE VILLAGE PHASE I  
SITE DETAILS

Date: 01/29/2018  
Sheet: 5 of 16  
Drawing: SPD-2  
PROJECT NO: 300.001

PROGRESS SET

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**LEGEND**

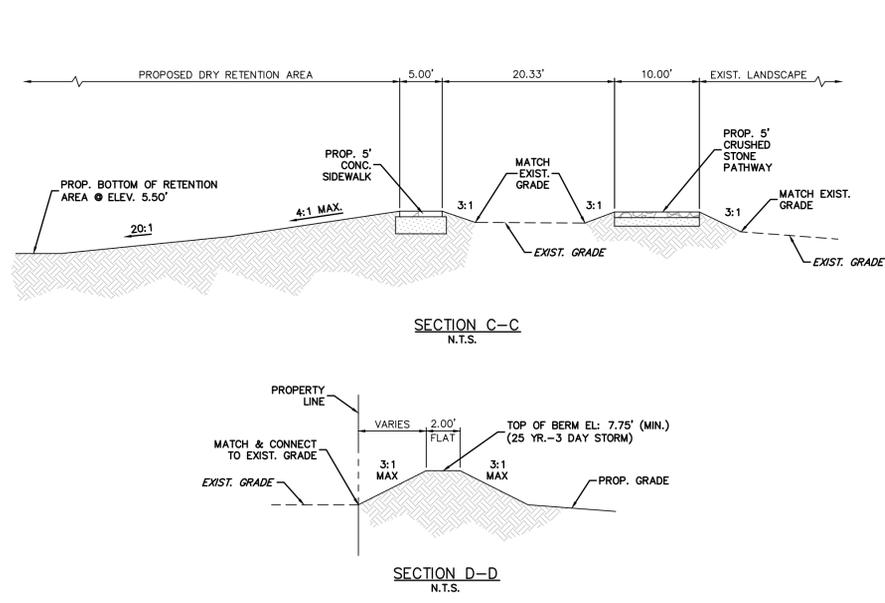
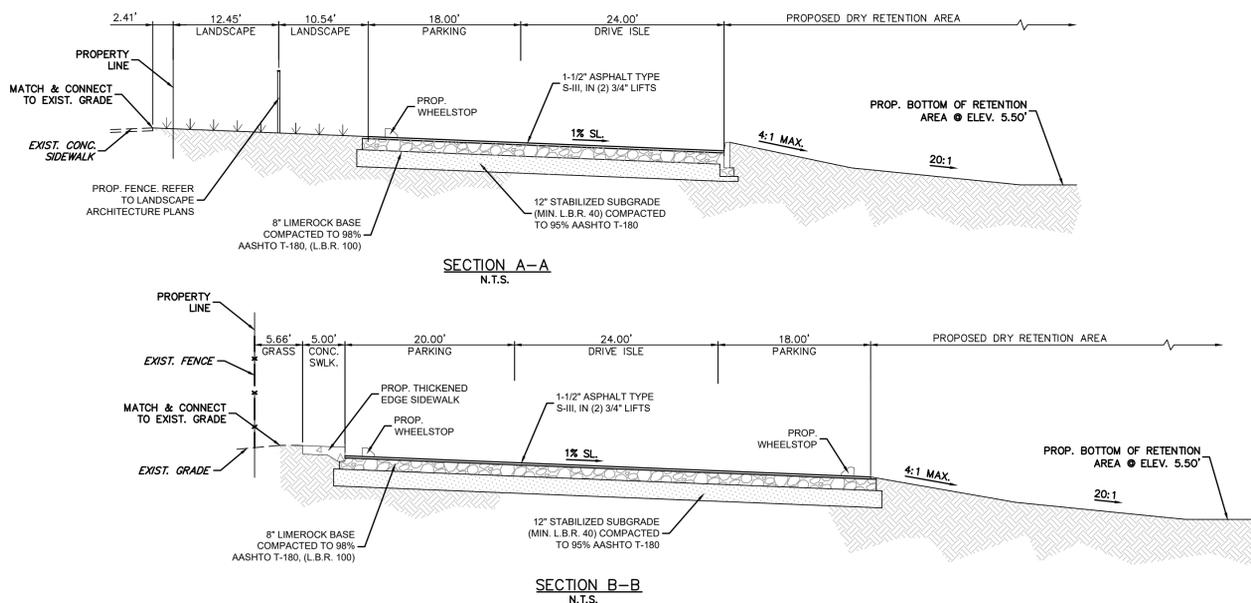
	PROPERTY LINE		EXIST. FIRE HYDRANT
	RIGHT-OF-WAY LINE		EXIST. TREE
	CENTERLINE		EXIST. PALM TREE
	EASEMENT LINE		PROP. SPOT ELEVATION
	EXIST. OVERHEAD UTILITY LINES		PROP. CATCH BASIN
	EXIST. STORMWATER PIPE		FLOW ARROW
	EXIST. WATER MAIN		
	PROP. WATER MAIN, GATE VALVE, TEE, BEND & HYDRANT		
	PROP. STORM PIPE		
	PROP. EXFILTRATION TRENCH		
	PROP. CONCRETE		
	PROP. ASPHALT PAVEMENT		
	PROP. CRUSHED STONE		
	PROP. STABILIZED SUBGRADE		
	EXIST. CONCRETE POWER POLE		
	EXIST. WOOD POWER POLE		
	EXIST. GUY ANCHOR		
	EXIST. WATER VALVE		
	EXIST. LIGHT POLE		
	EXIST. SPOT ELEVATION		
	EXIST. SIGN		
	EXIST. WATER METER		

- PAVING AND DRAINAGE NOTES:**
- MINIMUM FINISHED FLOOR ELEVATION = 7.25' N.A.V.D. ACTUAL BUILDING ELEVATIONS WILL BE DESIGNED AND SUBMITTED FOR PERMITS PRIOR TO CONSTRUCTION.
  - CONTROL POINTS LOCATED IN CONCRETE OR ASPHALT SHALL BE RAISED TO FINAL GRADE.
  - THE HORIZONTAL AND VERTICAL LOCATIONS OF THE EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND ARE BASED ON FIELD OBSERVATION AND/OR AVAILABLE PLANS. THE EXACT LOCATION MAY VARY.
  - PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
  - IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.
  - ALL SIDEWALKS SHALL MEET ALL A.D.A. REQUIREMENTS (5% MAX. LONGITUDINAL SLOPE AND 2% MAX. TRANSVERSE SLOPE).
  - CONCRETE PIPE FOR STORM SEWERS SHALL CONFORM TO ASTM L76-79, TABLE III, WALL B, OR LATEST REVISION. ALL PIPE SHALL HAVE MODIFIED TONGUE AND GROOVE JOINTS, AND HAVE RUBBER GASKETS, UNLESS OTHERWISE SPECIFIED.
  - BEDDING AND INITIAL BACKFILL OVER DRAINAGE PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 1" DIAMETER.
  - BACKFILL MATERIAL UNDER PAVED AREAS SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  - BACKFILL MATERIAL UNDER AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  - DRAINAGE STRUCTURES AND LINES TO BE CLEANED PRIOR TO ENGINEER'S ACCEPTANCE.
  - DRAINAGE STRUCTURES TO BE CLEANED PRIOR TO STOF ACCEPTANCE IF LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY.
  - NO CATCH BASINS OR JUNCTION BOXES SHALL BE LOCATED IN DRIVEWAYS.
  - DESIGN SEASONAL HIGH WATER TABLE = 0.50' N.A.V.D.

- NOTES:**
- THESE EXISTING CONDITIONS (EC) DRAWINGS WERE BASED ON THE SURVEY PREPARED BY GIBBS LAND SURVEYORS, PHONE (954) 923-7666, JOB NUMBER RN7374, DATED 03/06/2014. ALL ELEVATIONS REFER TO NAVD 1983 DATUM.
  - CONTRACTOR TO FIELD LOCATE AND CONFIRM ALL UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO ANY CONSTRUCTION & NOTIFY ENGINEER OF ANY DISCREPANCIES.

**DATUM INFORMATION**  
ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NAVD 1983 DATUM.

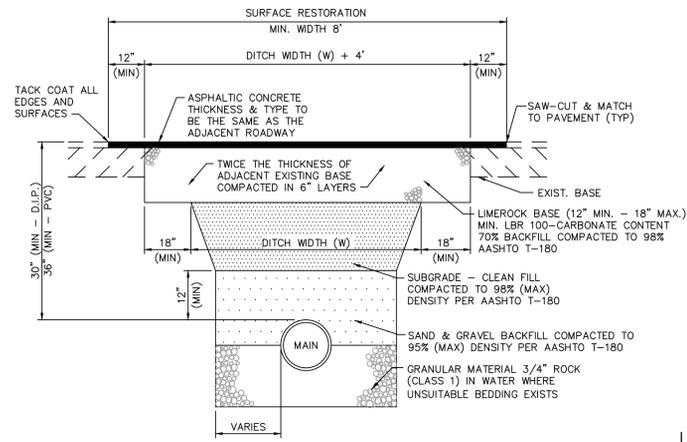
**Sunshine811**  
Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.  
Check positive response codes before you dig!



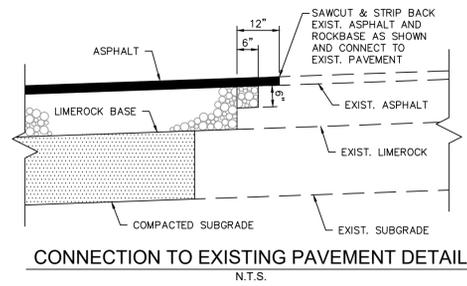
DESIGNER: ACS	2103 Coral Way	 <b>CHEN-MOORE &amp; ASSOCIATES</b>	 <b>JOSE L. ACOSTA, P.E.</b> CIVIL ENGINEER FL Reg. No. 12487
DRAWN BY: AA	Suite 401		
CHECKER: JLA	Miami, FL 33145	 <b>The Seminole Tribe of Florida</b>	<b>SEMINOLE VILLAGE PHASE I</b> <b>PAVING GRADING AND DRAINAGE</b>
SCALE: AS SHOWN	Tel: (786) 497-1500 Fax: (786) 497-2300		
NO. DATE			Date: 01/29/2018 Sheet: 6 of 16 Drawing: PGD-1 PROJECT NO. 300.001

**PROGRESS SET**

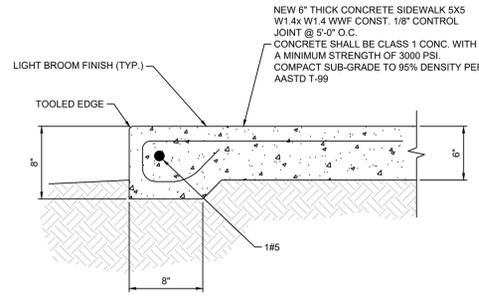
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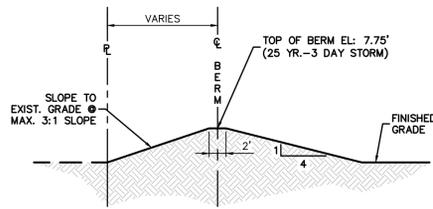
TRENCH DETAIL  
(PAVED AREAS)  
N.T.S.



CONNECTION TO EXISTING PAVEMENT DETAIL  
N.T.S.

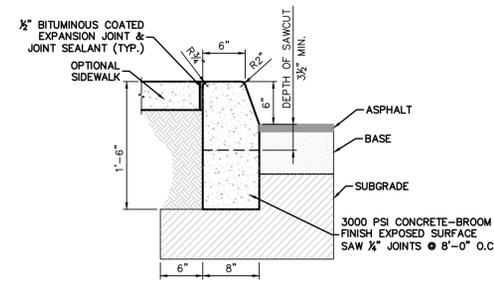


THICKENED EDGE SIDEWALK DETAIL  
N.T.S.

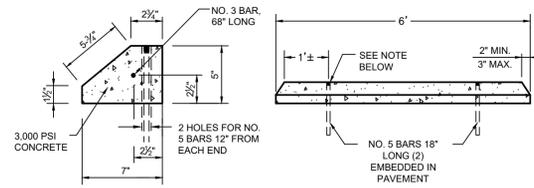


TYPICAL BERM CROSS SECTION  
N.T.S.

- NOTES:
1. THE BERM SHALL BE CONSTRUCTED OF SUITABLE MATERIAL WITH A MIN. L.B.R. VALUE OF 30. NO MUCK OR OPEN GRADED SILICA (SUGAR) SAND WILL BE ACCEPTABLE IN CONSTRUCTION.
  2. THE BERM SHALL BE COMPACTED TO 92% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  3. THE BERM SHALL BE FULLY SODDED.

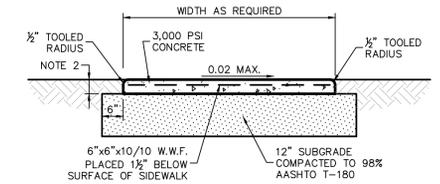


TYPE "D" CURB DETAIL  
(STOF C-03)  
N.T.S.



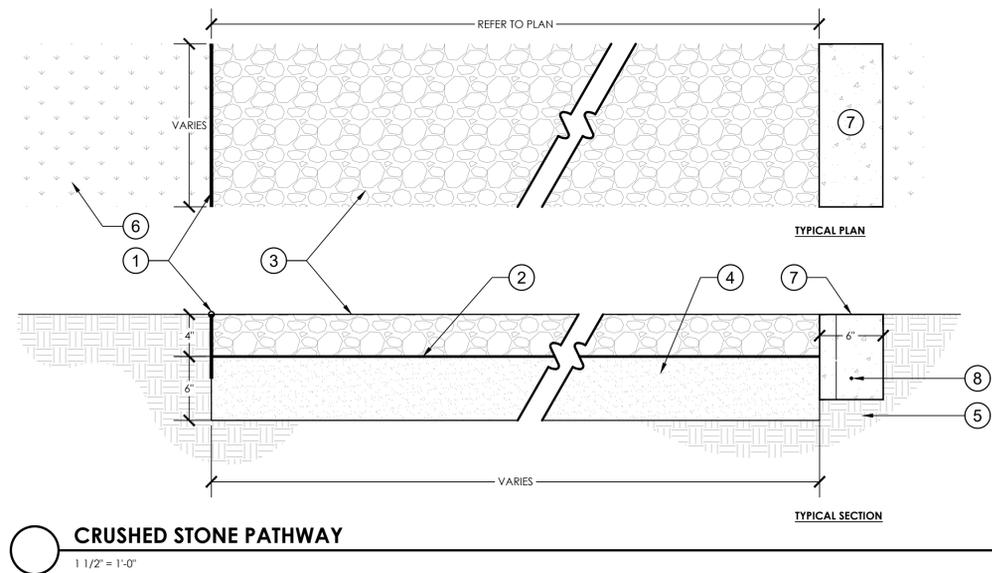
WHEEL STOP  
N.T.S.

- NOTE: BARS TO BE DRIVEN 3/4 INCHES BELOW TOP OF WHEEL STOP AND GROUT FILLED FLUSH WITH TOP OF WHEEL STOP.



- NOTES:
1. REFER TO FDOT INDEX NO. 310 FOR ADDITIONAL INFORMATION.
  2. 4" THICK MIN. (TYP.), 6" THICK AT DRIVEWAYS, EXTENDED TWO- FEET BEYOND DRIVE ON BOTH SIDES.
  3. PROVIDE 1/8" CONSTRUCTION JOINTS AT A LONGITUDINAL DISTANCE C.C. EQUAL TO THE SIDEWALK WIDTH, MINIMUM DEPTH 1/2".
  4. PROVIDE 1/2" EXPANSION JOINTS WITH NON-RISING ROLLER AT 30' C.C. TO RUN FULL DEPTH OF SLAB.
  5. SIDEWALK SLOPES SHALL MEET THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT.

CONCRETE SIDEWALK  
N.T.S.



CRUSHED STONE PATHWAY  
1 1/2" = 1'-0"

- 1 PVC OR PLASTIC CONTAINMENT EDGE (TYP.), 8" MIN. DEPTH.
- 2 GEO-TEXTILE FABRIC OR LANDSCAPE PAPER
- 3 DECOMPOSED GRANITE  
COLOR: BUFF/BEIGE/TAN MIX  
SIZE: 1/4" OR SMALLER PARTICLE  
DECOMPOSED GRANITE SHALL BE MIXED WITH BONDING AGENT. CONTRACTOR TO SUBMIT BONDING AGENT SPECIFICATIONS FOR REVIEW.
- 4 COMPACTED AGGREGATE
- 5 UNDISTURBED SOIL OR EXISTING SUB-GRADE
- 6 LANDSCAPE OR SHRUB MATERIAL. REFER TO LANDSCAPE PLAN
- 7 ALTERNATE EDGING MATERIAL 6"X8" CONTINUOUS CONCRETE HEADER BAND
- 8 #3 REBAR, CONTINUOUS, 2' MIN. COVER

DATUM INFORMATION  
ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NAVD 1983 DATUM.

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

Sunshine811.com

PROGRESS SET

DESIGNER: ACS	NO. 5	DATE	BY
DRAWN BY: AA	4		
CHECKER: JLA	3		
SCALE: AS SHOWN	2		
	1		

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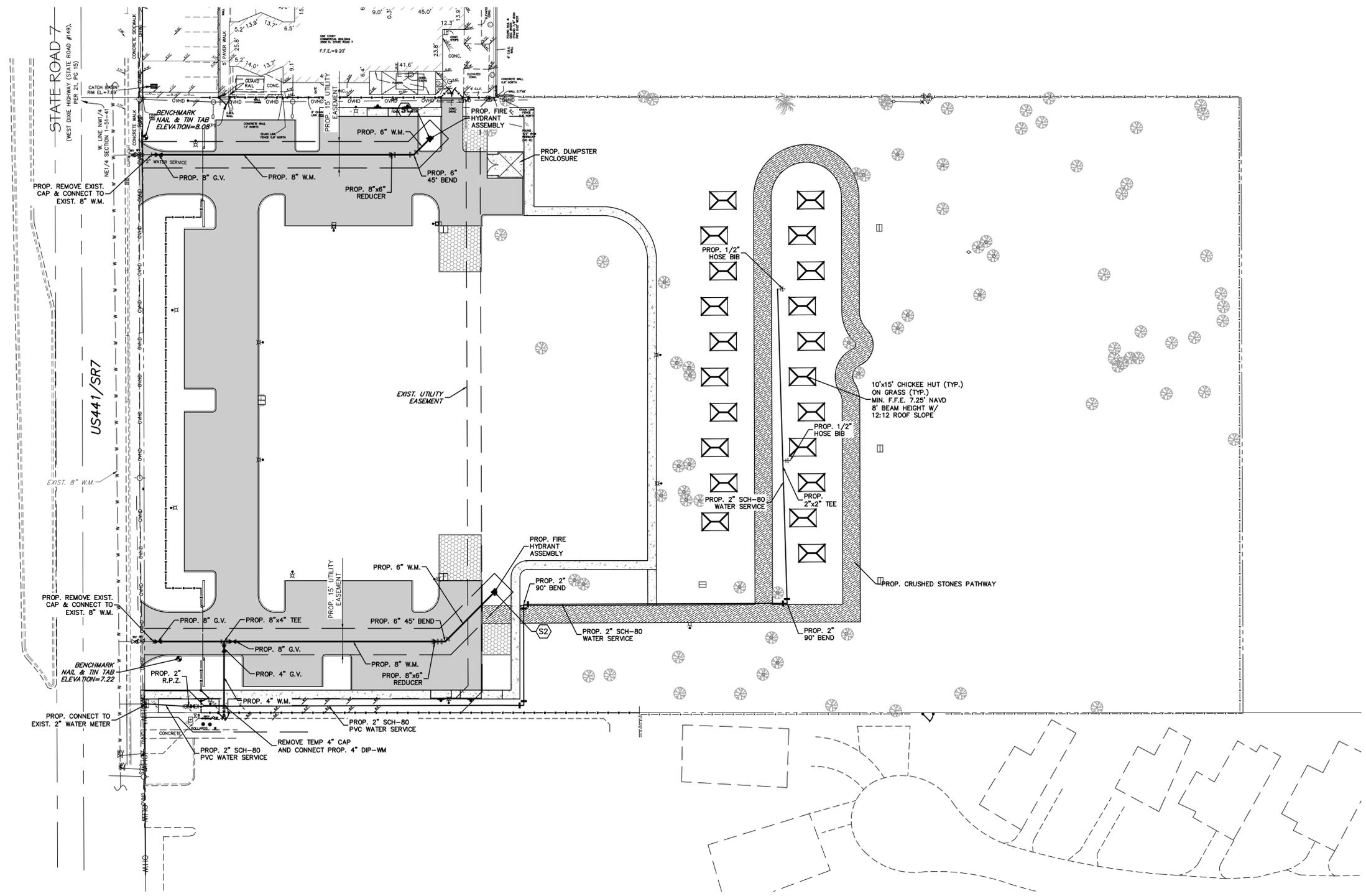
CHEN-MOORE & ASSOCIATES

SEMINOLE VILLAGE PHASE I  
PAVING GRADING AND DRAINAGE DETAILS

PROJECT NO. 300.001

Date: 01/29/2018  
Sheet: 7 of 16  
Drawing: PDD-1

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**LEGEND**

	PROPERTY LINE		EXIST. FIRE HYDRANT
	RIGHT-OF-WAY LINE		EXIST. TREE
	CENTERLINE		EXIST. PALM TREE
	EASEMENT LINE		PROP. SPOT ELEVATION
	EXIST. OVERHEAD UTILITY LINES		PROP. CATCH BASIN
	EXIST. STORMWATER PIPE		FLOW ARROW
	EXIST. WATER MAIN*		SAMPLING POINT
	PROP. WATER MAIN, GATE VALVE, TEE, BEND & HYDRANT		
	PROP. STORM PIPE		
	PROP. EXFILTRATION TRENCH		
	PROP. CONCRETE		
	PROP. ASPHALT PAVEMENT		
	PROP. CRUSHED STONE		
	EXIST. CONCRETE POWER POLE		
	EXIST. WOOD POWER POLE		
	EXIST. GUY ANCHOR		
	EXIST. WATER VALVE		
	EXIST. LIGHT POLE		
	EXIST. SPOT ELEVATION		
	EXIST. SIGN		
	EXIST. WATER METER		

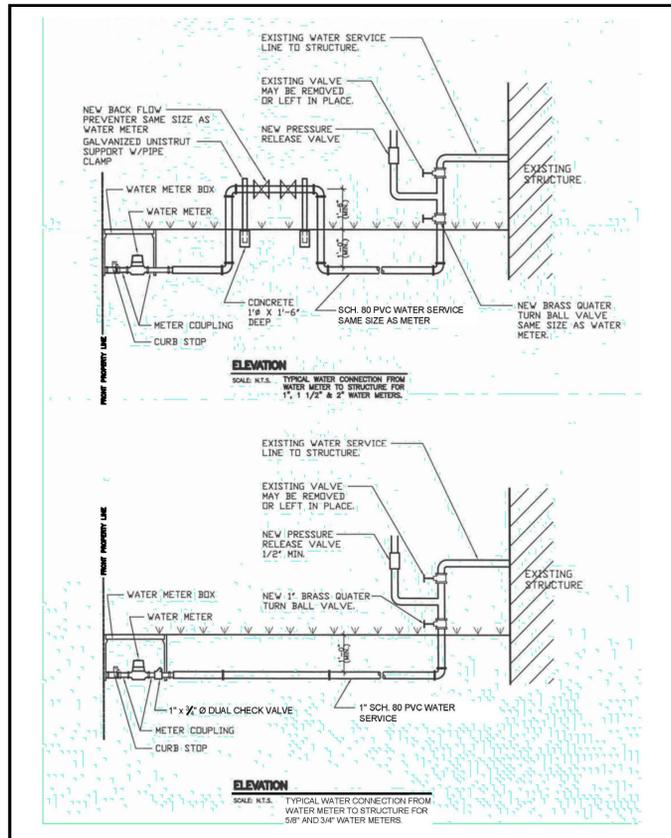
- NOTES:**
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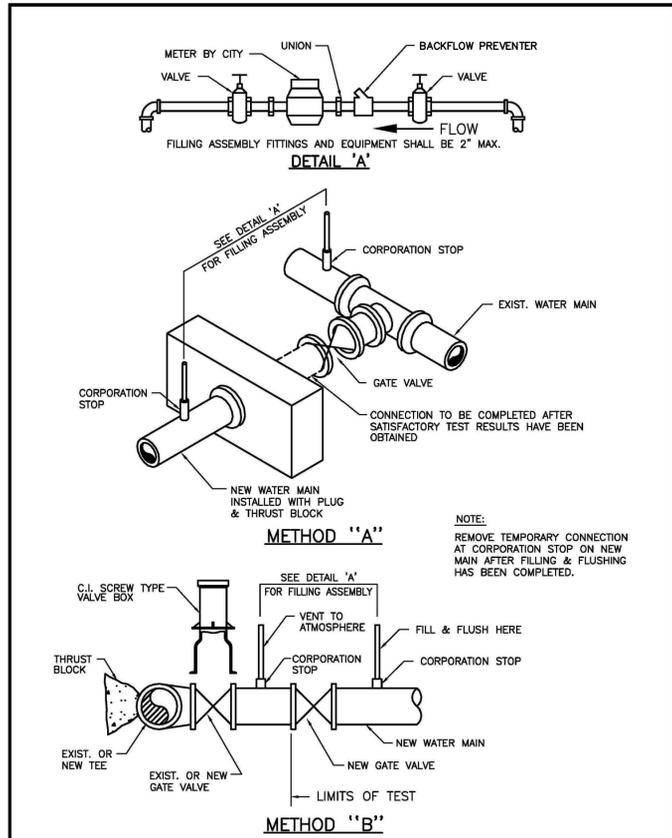
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**PROGRESS SET**

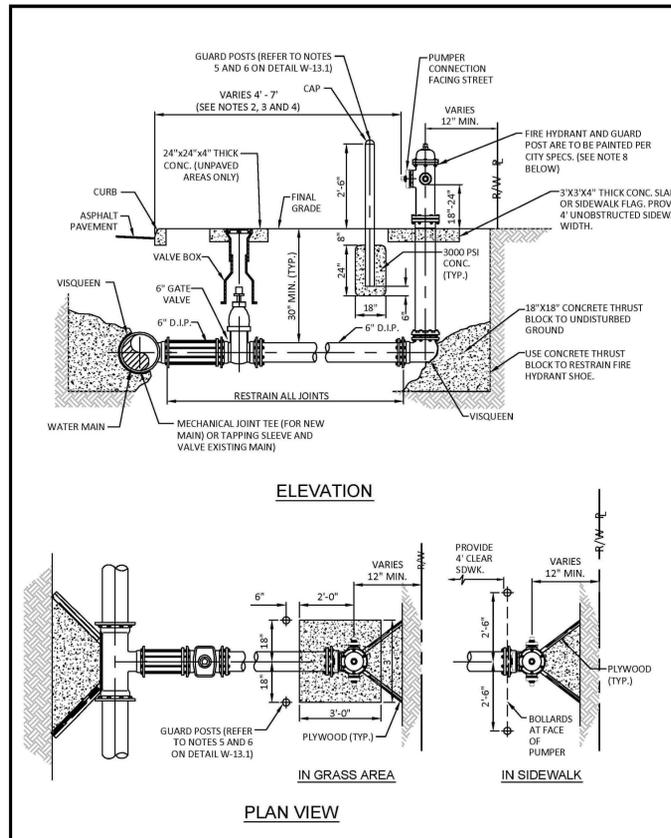
DESIGNER: ACS	2103 Coral Way	 <b>Chen-Moore &amp; Associates</b> 2103 Coral Way Suite 401 Miami, FL 33145 Tel: (786) 497-1500 Fax: (786) 497-2300	 <b>Jose L. Acosta, P.E.</b> CIVIL ENGINEER FL Reg. No. 58297
DRAWN BY: AA	 <b>Jila</b> SCALE: AS SHOWN		
CHECKER: JLA			
NO. DATE			
REVISION			
BY			
<b>SEMINOLE VILLAGE PHASE I</b> <b>WATER AND SEWER PLAN</b>			
Date: 01/29/2018	Sheet: 8 of 16		
Drawing: WS-1			
PROJECT NO. 300.001			



	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	TYPICAL WATER SERVICE FROM METER TO STRUCTURE FOR 5/8" THROUGH 2" METERS	DRAWING NO. W-10
	APPROVED: XXX		



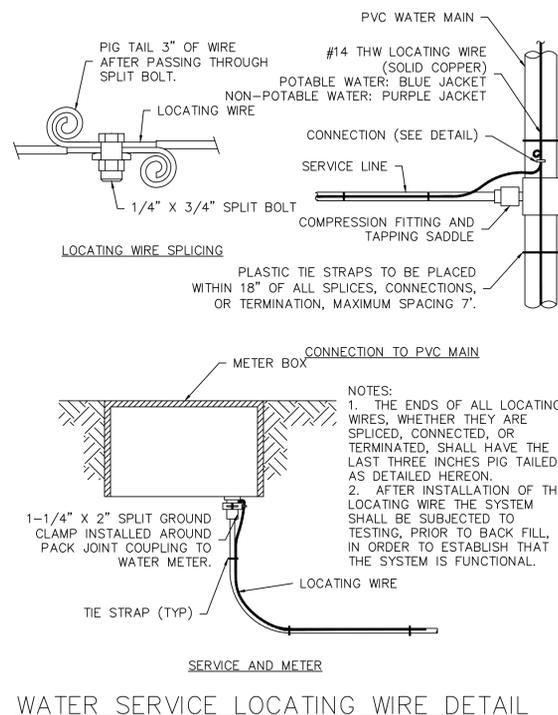
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	FILLING AND FLUSHING DETAILS	DRAWING NO. W-15
	APPROVED: XXX		



	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	TYPICAL FIRE HYDRANT INSTALLATION	DRAWING NO. W-13
	APPROVED: XXX		

- NOTES:**
- IN ALL CASES, PROVIDE 4' UNOBSTRUCTED SIDEWALK CLEAR OF THE FIRE HYDRANT AND BOLLARDS.
  - FIRE HYDRANTS SHALL BE LOCATED BETWEEN 4' AND 7' FROM THE FACE OF CURB.
  - FIRE HYDRANTS SHALL NOT BE LOCATED WITHIN A RADIUS OR WITHIN FDOT CLEAR DRIVING ZONE.
  - WITHIN FDOT R/W, WHERE SPACE IS RESTRICTED THE FIRE HYDRANT MAY BE LOCATED 2' FROM THE FACE OF THE CURB AS LONG AS THERE IS A MINIMUM 4' UNOBSTRUCTED SIDEWALK BEHIND THE HYDRANT, AND THE HYDRANT BASE IS 4' OR LESS FROM GRADE IN ACCORDANCE WITH F.D.O.T. INDEX 700.
  - GUARD POSTS SHALL NOT BE ALLOWED WITHIN FDOT R/W.
  - OTHER THAN FDOT R/W, GUARD POSTS SHALL BE INSTALLED AS REQUIRED FOR SAFETY OR AS APPROVED BY THE DEPT. OF PUBLIC UTILITIES. IN SIDEWALK, LOCATE GUARD POSTS AT THE FACE OF THE PUMPER AND 2'-6" LEFT/RIGHT OF C OF THE FIRE HYDRANT. EXTRA POSTS MAY BE REQUIRED IN INDUSTRIAL AND CONGESTED TRAFFIC AREAS. (4 POSTS MAX.)
  - FIRE HYDRANT CONCRETE SLAB AND CONCRETE GUARD POST FOOTINGS SHALL BE DIFFERENT POURS.
  - THE FIRE HYDRANT BONNET, OPERATING NUT, HOLD-DOWN NUT, PUMPER CAP AND HOSE CAPS SHALL BE PAINTED GREEN, AND THE HYDRANT UPPER BARREL SHALL BE PAINTED SILVER IN ACCORDANCE WITH CITY SPECIFICATIONS.

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
	DRAWN: EAM	TYPICAL FIRE HYDRANT NOTES	DRAWING NO. W-13.1
	APPROVED: XXX		



WATER SERVICE LOCATING WIRE DETAIL

DATUM INFORMATION  
ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NAVD 1983 DATUM.

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

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PROGRESS SET

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DESIGNER: ACS	DRAWN BY: AA	CHECKER: JLA	SCALE: AS SHOWN
2103 Coral Way	Suite 401	Miami, FL 33145	Tel: (786) 497-1500
			Fax: (786) 497-2300



The Seminole Tribe of Florida

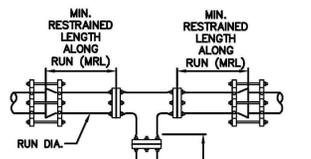
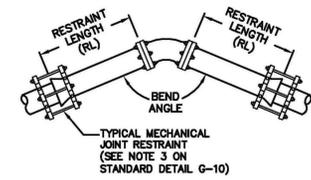
SEMINOLE VILLAGE PHASE I	WATER AND SEWER DETAILS
Date: 01/29/2018	Sheet: 9 of 16
Drawing: WSD-1	PROJECT NO. 300.001

**THRUST RESTRAINT NOTES:**

SOURCES: DIPRA RESTRAINT LENGTH CALCULATION PROGRAM FOR DUCTILE IRON PIPE, RELEASE 3.2  
 NOTES:

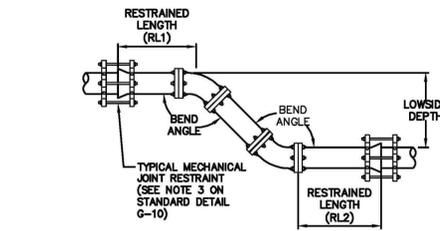
- THE THRUST RESTRAINT DESIGN TABLES IN THE SUBSEQUENT STANDARD DETAILS SHALL SERVE AS A GENERAL DESIGN AND CONSTRUCTION GUIDE ONLY. IT IS THE SOLE RESPONSIBILITY OF THE ENGINEER-OF-RECORD TO JUSTIFY AND DOCUMENT ANY DEVIATIONS FROM THE PIPE LENGTHS SPECIFIED IN SAID TABLES. THE TABLES ARE BASED UPON THE FOLLOWING INSTALLATION CONDITIONS:  
 PIPE MATERIAL - PVC OR DIP (POLYETHYLENE ENCASED) WITH DIP FITTINGS  
 MINIMUM DEPTH OF BURY - 3'  
 SOIL TYPE - "SM" - SILTY SANDS/SAND-SILT MIXTURES  
 TEST PRESSURE - 150 PSI  
 TRENCH TYPE - 4  
 SAFETY FACTOR - 1.5  
 FOR TEES, THE MINIMUM LENGTH OF PIPE ALONG RUNS IS 20'
- ALL JOINTS BETWEEN BENDS AT HORIZONTAL & VERTICAL OFFSETS SHALL BE RESTRAINED.
- MECHANICAL THRUST RESTRAINTS FOR D.I.P., FITTINGS ON D.I.P. OR P.V.C. PIPE SHALL BE MEGALUG AS MANUFACTURED BY EBAA IRON, INC., OR APPROVED EQUAL.
- DUCTILE IRON FITTINGS UP TO 20-INCHES IN DIAMETER SHALL BE RESTRAINED BY MECHANICAL MEANS, I.E., MEGALUGS OR APPROVED EQUAL.
- DUCTILE IRON FITTINGS 24-INCH IN DIAMETER AND ABOVE SHALL BE RESTRAINED BY MECHANICAL MEANS, I.E., MEGALUGS OR APPROVED EQUAL, WITH THE ADDITION OF THRUST BLOCKS AND CONCRETE ANCHORS AT THE DISCRETION OF THE ENGINEER OF RECORD.
- ANY THRUST BLOCKS AND ANCHORS ARE TO BE DESIGNED BY THE ENGINEER OF RECORD. SIGNED AND SEALED CALCULATIONS SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO INSTALLATION.
- THRUST BLOCKS CONSISTING OF POURED-IN-PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AFTER 28 DAYS.

HORIZONTAL BENDS			
PIPE DIA. (INCHES)	BEND (ANGLE)	RESTRAINED LENGTH (RL) (FT)	
		PVC	*DIP
16	11 1/2	5	6
	22 1/2	10	11
	45	19	22
	90	46	52
8	11 1/2	3	3
	22 1/2	6	6
	45	11	13
6	11 1/2	2	3
	22 1/2	4	5
	45	9	10
	90	20	23
4	11 1/2	2	2
	22 1/2	3	4
	45	6	7
	90	15	17



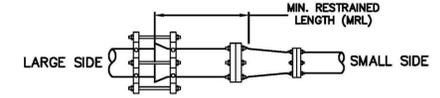
TEES AND TAPPING SLEEVES				
RUN DIA. (INCHES)	BRANCH DIA. (INCHES)	MIN. RESTRAINED LENGTH ALONG RUN (FT.)	MIN. LENGTH TO RESTRAIN ALONG BRANCH (FT.)	
			PVC	*DIP
16"	16"	20	20	29
8"	8"	20	1	1
8"	6"	20	1	1
8"	4"	20	1	1
6"	6"	20	1	1
4"	4"	20	1	1

\*ALL DIP JOINT-RESTRAINT CALCULATIONS ASSUME THE PIPE WILL BE WRAPPED IN POLYETHYLENE ENCASEMENT.

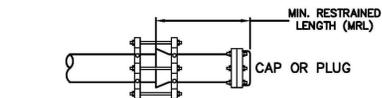


VERTICAL OFFSETS						
PIPE DIA. (INCHES)	BEND (ANGLE)	LOWSIDE DEPTH (FT)	PVC		*DIP	
			RL1 (FT.)	RL2 (FT.)	RL1 (FT.)	RL2 (FT.)
16	45	4	55	15	80	17
		5	55	13	80	17
		6	55	11	80	12
		7	55	9	80	11
8	45	4	30	9	45	10
		5	30	7	45	8
		6	30	6	45	7
		7	30	5	45	6
6	45	4	23	7	34	8
		5	23	6	34	6
		6	23	5	34	5
		7	23	4	34	5
4	45	4	17	5	24	6
		5	17	4	24	5
		6	17	4	24	4
		7	17	3	24	3

\*ALL DIP JOINT-RESTRAINT CALCULATIONS ASSUME THE PIPE WILL BE WRAPPED IN POLYETHYLENE ENCASEMENT.



REDUCERS			
LARGE SIDE	SMALL SIDE	MIN. LENGTH TO RESTRAIN ON LARGE SIDE (FT)	
		PVC	*DIP
8"	4"	52	77
6"	4"	29	42
4"	3"	13	19



DEAD ENDS		
PIPE DIA. (INCHES)	MIN. RESTRAINED LENGTH (FT)	
	PVC	*DIP
16"	131	193
8"	72	107
6"	55	82
4"	39	58

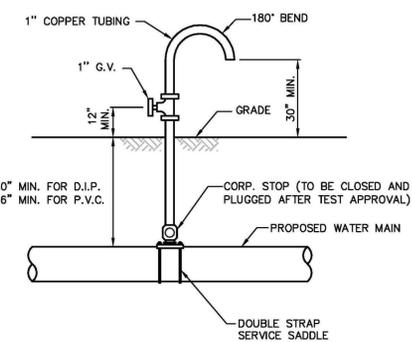
\*ALL DIP JOINT-RESTRAINT CALCULATIONS ASSUME THE PIPE WILL BE WRAPPED IN POLYETHYLENE ENCASEMENT.

ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
 DRAWN: EAM JOINT RESTRAINT DESIGN FOR PVC AND DIP THRUST RESTRAINT NOTES DRAWING NO. G-11  
 APPROVED: XXX

ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
 DRAWN: EAM JOINT RESTRAINT DESIGN FOR PVC AND DIP HORIZONTAL BENDS AND TEES DRAWING NO. G-11.1  
 APPROVED: XXX

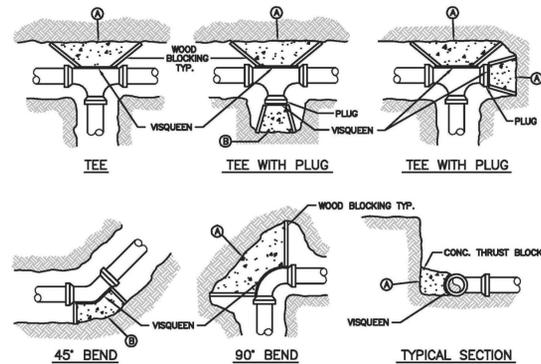
ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
 DRAWN: EAM JOINT RESTRAINT DESIGN FOR PVC AND DIP VERTICAL OFFSETS DRAWING NO. G-11.2  
 APPROVED: XXX

ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
 DRAWN: EAM JOINT RESTRAINT DESIGN FOR PVC AND DIP REDUCERS AND DEAD ENDS DRAWING NO. G-11.3  
 APPROVED: XXX



NOTES:  
 SAMPLING POINT SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM BROWARD COUNTY HEALTH DEPARTMENT.

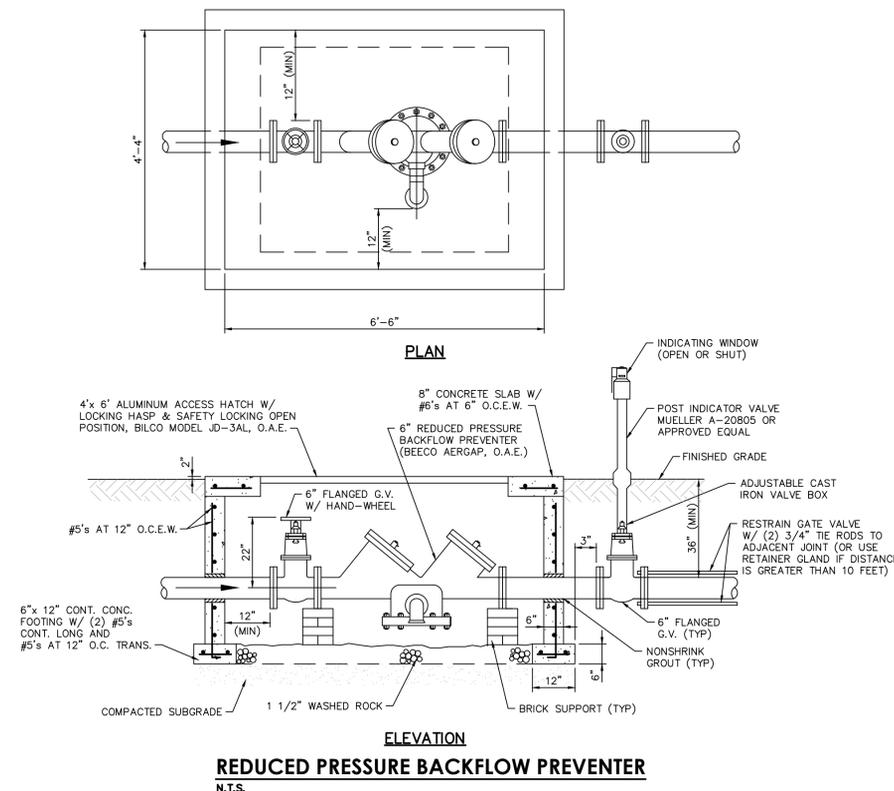
ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
 DRAWN: EAM SAMPLING POINT DETAIL DRAWING NO. W-16  
 APPROVED: XXX



MINIMUM CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL (SQ. FT.)				
MARK	PIPE SIZE			
	4" OR 6"	8"	10"	12"
A				
B				

- NOTES:
- THRUST BLOCKS ARE TO BE USED IN COMBINATION WITH, AND NOT IN LIEU OF, MECHANICAL JOINT RESTRAINTS AS REQUIRED BY THE CITY. REFER TO THRUST RESTRAINT DESIGN TABLE IN STANDARD DETAIL G-10.
  - THE AREAS IN THE TABLE ARE BASED ON \_\_\_\_\_ POUNDS PER SQUARE FOOT SOIL BEARING AGAINST THE UNDISTURBED TRENCH WALL AND ARE TO REPRESENT THE MINIMUM VERTICAL PROJECTED AREA AT THE THRUST BLOCK IN A PLANE PERPENDICULAR TO THE LINE BISECTING THE INCLUDING ANGLE OF THE FITTING.
  - POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EVACUATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
  - ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
  - DO NOT COVER COUPLING OR JOINTS WITH CONCRETE.
  - CONCRETE TO BE 2500 P.S.I. MINIMUM 28 DAY STRENGTH.
  - TABLE TO BE COMPLETED BY DESIGN ENGINEER.

ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/2014  
 DRAWN: EAM THRUST BLOCK DESIGN DRAWING NO. G-10  
 APPROVED: XXX



DATUM INFORMATION  
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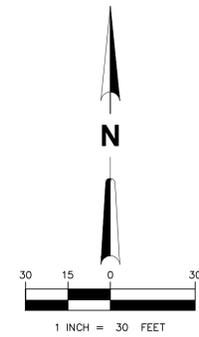
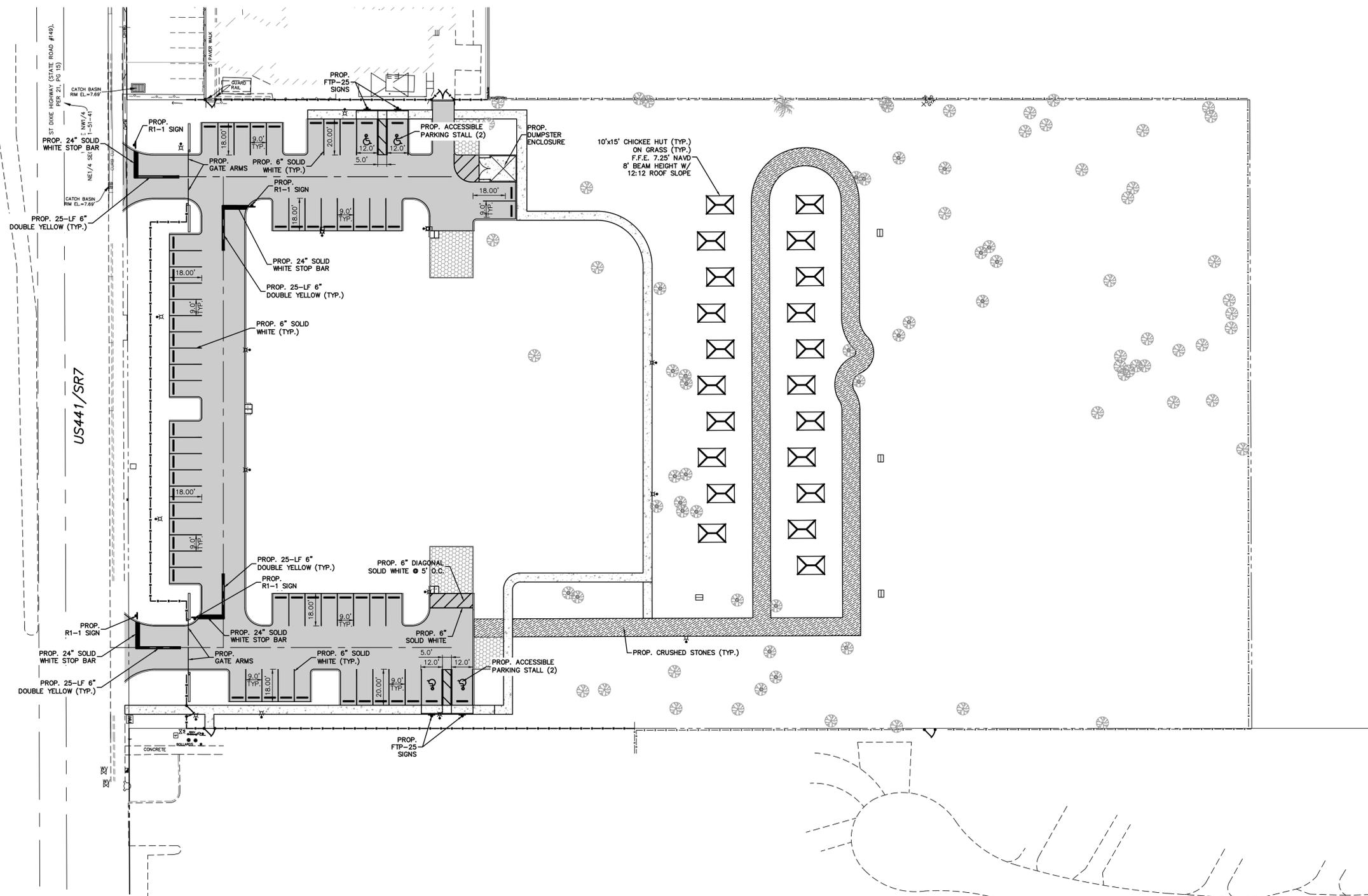
PROGRESS SET

DESIGNER: ACS DRAWN BY: AA CHECKER: JJA SCALE: AS SHOWN  
 JOSE L. ACOSTA, P.E. CIVIL ENGINEER  
 2103 Coral Way Suite 401 Miami, FL 33145 Tel: (786)497-1500 Fax: (786) 497-2300  
**CHEN-MOORE & ASSOCIATES**

**The Seminole Tribe of Florida**

SEMINOLE VILLAGE PHASE I WATER AND SEWER DETAILS  
 Date: 01/29/2018  
 Sheet: 10 of 16  
 Drawing: WSD-2  
 PROJECT NO. 300.001

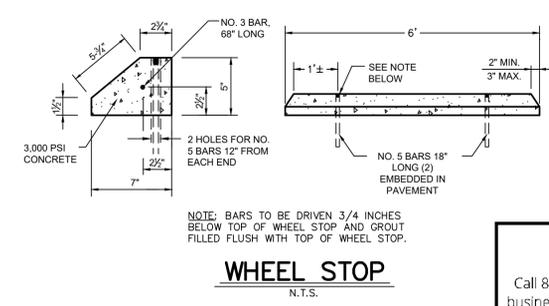
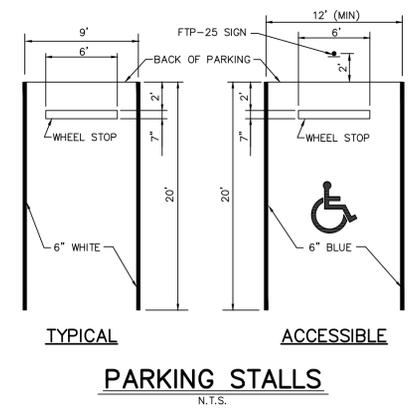
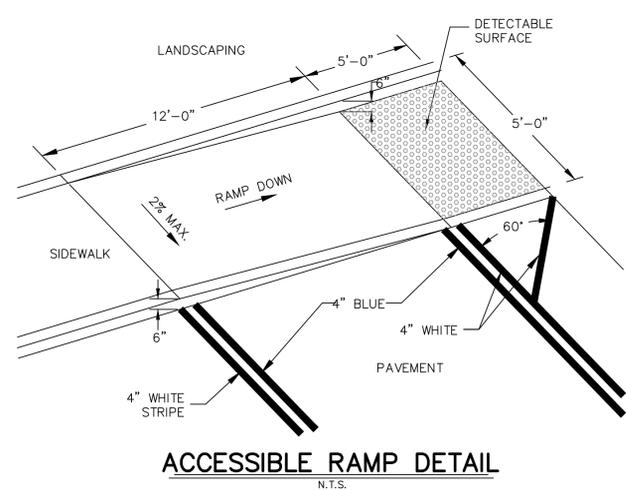
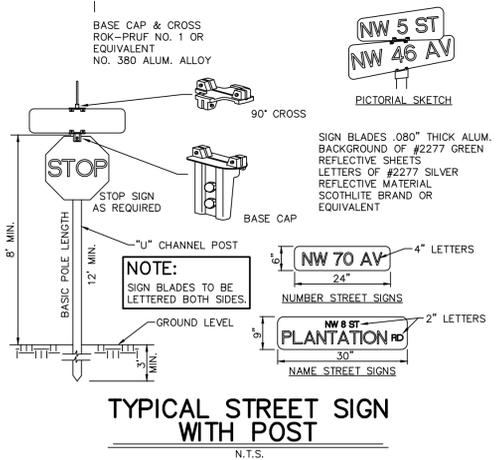
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**LEGEND**

	PROPERTY LINE
	RIGHT-OF-WAY LINE
	CENTERLINE
	EASEMENT LINE
	EXIST. OVERHEAD UTILITY LINES
	PROP. CONCRETE
	PROP. ASPHALT PAVEMENT
	PROP. CRUSHED STONE
	EXIST. CONCRETE POWER POLE
	EXIST. WOOD POWER POLE
	EXIST. GUY ANCHOR
	EXIST. LIGHT POLE
	EXIST. SIGN
	EXIST. TREE
	EXIST. PALM TREE

- NOTES:**
- THESE EXISTING CONDITIONS (EC) DRAWINGS WERE BASED ON THE SURVEY PREPARED BY GIBBS LAND SURVEYORS, PHONE (954) 923-7666, JOB NUMBER RN7374, DATED 03/06/2018. ALL ELEVATIONS REFER TO NAVD 1983 DATUM.
  - CONTRACTOR TO FIELD LOCATE AND CONFIRM ALL UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO ANY CONSTRUCTION & NOTIFY ENGINEER OF ANY DISCREPANCIES.
  - ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE ZONING AND LAND DEVELOPMENT REGULATIONS.



**DATUM INFORMATION**  
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**Sunshine811**  
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Check positive response codes before you dig!

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NO. 5	NO. 4	NO. 3	NO. 2
NO. 1	NO. DATE	NO. DATE	NO. DATE

2103 Coral Way  
Suite 401  
Miami, FL 33145  
Tel: (786) 497-1500  
Fax: (786) 497-2300

**CHEN-MOORE**  
SOCIETIES

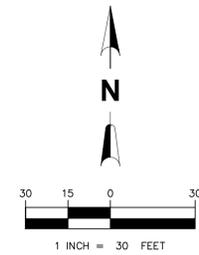
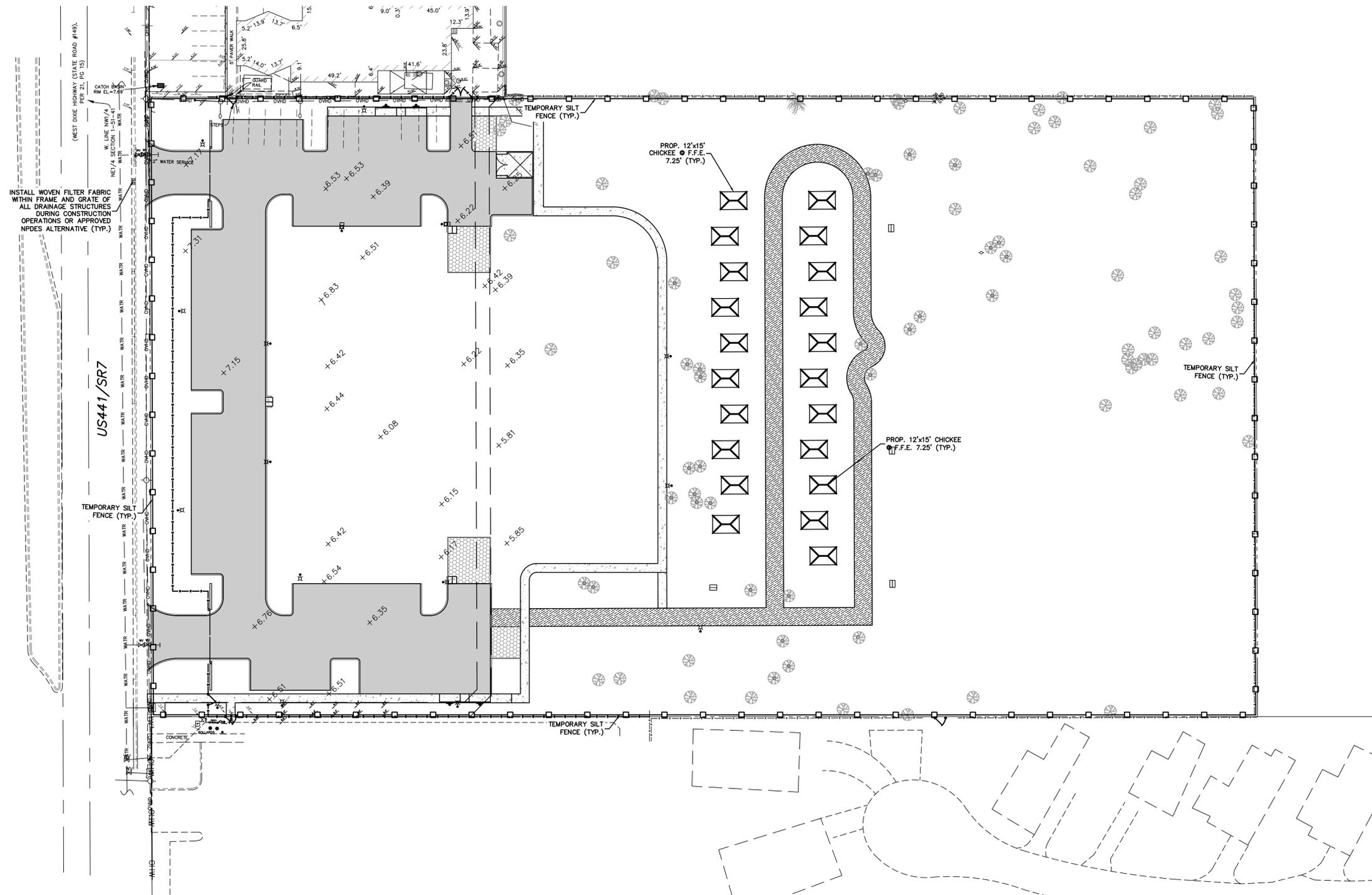
**The Seminole Tribe of Florida**

**SEMINOLE VILLAGE PHASE I**  
**SIGNAGE & PAVEMENT MARKING PLAN**

Date: 01/29/2018  
Sheet: 11 of 16  
Drawing: SM-1  
PROJECT NO. 300.001

**PROGRESS SET**

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**LEGEND**

---	PROPERTY LINE	---	EXIST. OVERHEAD UTILITY LINES
---	RIGHT-OF-WAY LINE	---	TEMPORARY SILT FENCE
---	CENTERLINE	---	PROP. CONCRETE
---	EASEMENT LINE	---	PROP. ASPHALT PAVEMENT
---	EXIST. CONCRETE POWER POLE	---	PROP. CRUSHED STONE
---	EXIST. WOOD POWER POLE	---	EXIST. FIRE HYDRANT
---	EXIST. GUY ANCHOR	---	EXIST. TREE
---	EXIST. LIGHT POLE	---	EXIST. PALM TREE
---	EXIST. SIGN	---	PROP. CATCH BASIN

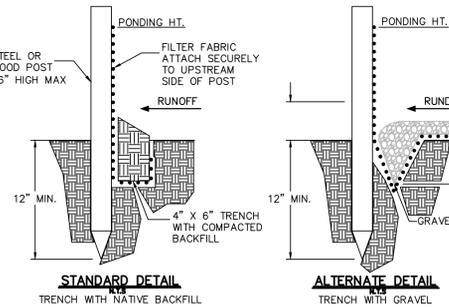
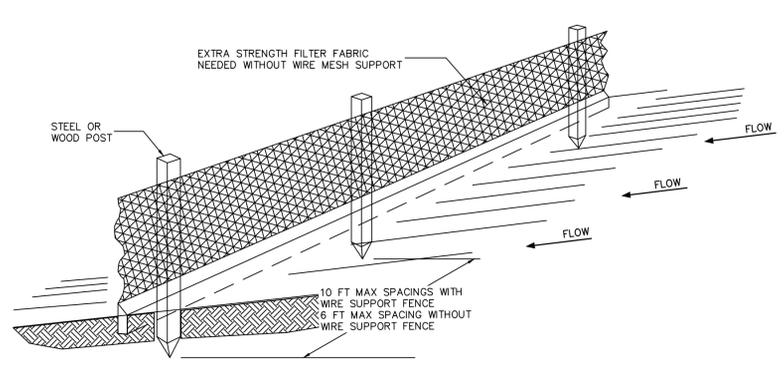
- NOTES:**
1. THESE EXISTING CONDITIONS (EC) DRAWINGS WERE BASED ON THE SURVEY PREPARED BY GIBBS LAND SURVEYORS, PHONE (954) 923-7666, JOB NUMBER RN7374, DATED 03/06/2014. ALL ELEVATIONS REFER TO NAVD 1983 DATUM.
  2. CONTRACTOR TO FIELD LOCATE AND CONFIRM ALL UTILITIES, WHETHER SHOWN OR NOT, PRIOR TO ANY CONSTRUCTION & NOTIFY ENGINEER OF ANY DISCREPANCIES.
  3. ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE ZONING AND LAND DEVELOPMENT REGULATIONS.

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*Check positive response codes before you dig!*

**PROGRESS SET**

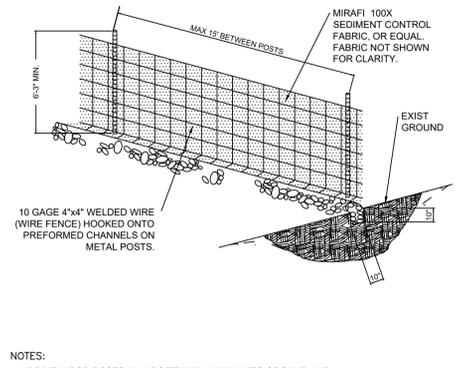
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2103 Coral Way Suite 401 Miami, FL 33145 Tel: (786) 497-1500 Fax: (786) 497-2300	 <b>CHEN-MOORE &amp; ASSOCIATES</b> 		
<b>The Seminole Tribe of Florida</b> <b>SEMINOLE VILLAGE PHASE I</b> <b>STORMWATER POLLUTION PREVENTION PLAN</b>			
NO. DATE	REVISION	BY	
5			
4			
3			
2			
1			
PROJECT NO. 300.001		DATE: 01/29/2018	
SHEET: 12 OF 16		DRAWING: PPP-1	



**STANDARD DETAIL**  
TRENCH WITH NATIVE BACKFILL

**ALTERNATE DETAIL**  
TRENCH WITH GRAVEL

**SILT FENCE INSTALLATION**



- NOTES:**
1. DRIVE WOOD POSTS (1.3 LBS/FT MIN) 18" MIN INTO GROUND AND EXCAVATE A 4"x4" TRENCH UP HILL 5' LONG (MIN) ALONG LINE OF POSTS. WOOD POSTS 4" IN DIAMETER OR 2"x4" MAY BE USED.
  2. ATTACH WIRE FENCE TO POSTS AND EXTEND THE BOTTOM OF THE FENCE 8" INTO THE EXCAVATED TRENCH. ALTERNATE: USE SEDIMENT CONTROL FABRIC WITH PRE-SEWN POCKETS FOR POSTS SO THAT WIRE FENCE IS NOT REQUIRED. ATTACH THE SEDIMENT CONTROL FABRIC (36" WIDE) TO THE WIRE FENCE WITH METAL CLIPS OR WIRE AND EXTEND THE BOTTOM OF THE FABRIC 8" INTO THE TRENCH.
  3. BOTTOM OF SEDIMENT CONTROL FABRIC MUST BE PLACED IN TRENCH AND SECURED WITH GRANULAR FILL TO A HEIGHT OF 6" ABOVE GROUND LEVEL, SO THAT RUNOFF IS FORCED TO GO THROUGH THE FENCE AND CANNOT GO UNDER IT.
  4. SILT FENCE SHALL BE MAINTAINED AND TRAPPED SEDIMENTS SHALL BE REMOVED BY THE CONTRACTOR PERIODICALLY AS DETERMINED BY THE ENGINEER OR AS NECESSARY (MAX. 6 MONTHS). THE CONTRACTOR IS REQUIRED TO REMOVE ALL SILT FENCES AND AREA TO BE RESTORED TO THE ORIGINAL CONDITION UPON COMPLETION OF CONSTRUCTION.

**SILT FENCE DETAIL** (D105)

**SHEET FLOW APPLICATION: SILT FENCE**

- THIS SEDIMENT BARRIER USES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS. IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.
1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 cm). HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.
  2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED AS DESCRIBED IN ITEM NO. 8 BELOW.
  3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 m) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 cm). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 m).
  4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10cm) WIDE AND 4 INCHES (10 cm) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
  5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 mm) LONG. THE WIRE, OR HOG RINGS, THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 cm) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 cm) ABOVE THE ORIGINAL GROUND SURFACE.

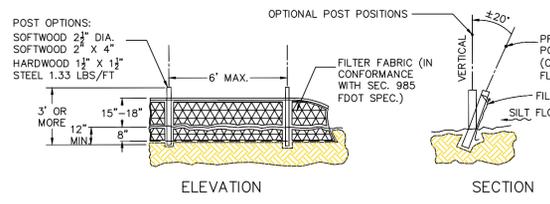
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 cm) OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 cm) ABOVE THE ORIGINAL GROUND SURFACE.
7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
8. WHEN ATTACHING TWO SILT FENCES TOGETHER, PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS AT LEAST 180 DEGREES ON A CLOCKWISE DIRECTIONS TO CREATE A TIGHT SEAL WITH THE FILTER FABRIC. DRIVE BOTH POSTS INTO THE GROUND AND BURY THE FLAP.
9. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
10. THE MOST EFFECTIVE APPLICATION CONSISTS OF A DOUBLE ROW OF SILT FENCES SPACED A MINIMUM OF THREE FEET APART. THE THREE FOOT SEPARATION IS SO THAT IF THE FIRST ROW COLLAPSES IT WILL NOT FALL ON THE SECOND ROW. WIRE OR SYNTHETIC MESH MAY BE USED TO REINFORCE THE FIRST ROW.
11. WHEN USED TO CONTROL SEDIMENTS FROM A STEEP SLOPE, SILT FENCES SHOULD BE PLACED AWAY FROM THE TOE OF THE SLOPE FOR INCREASED HOLDING CAPACITY.
12. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

**CHANNEL FLOW APPLICATIONS**

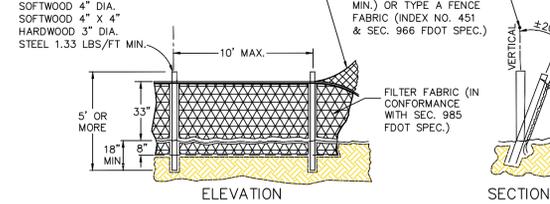
1. IF A FILTER BARRIER IS TO BE CONSTRUCTED ACROSS A DITCH LINE OR SWALE, THE BARRIER SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE BOTTOM OF THE END SECTIONS OF THE FENCE ARE HIGHER IN ELEVATION THAN THE TOP OF THE CENTER SECTION TO ELIMINATE END FLOW. THE PLAN CONFIGURATION SHALL RESEMBLE AN ARC OR HORSESHOE WITH THE ENDS ORIENTED UPSLOPE.
2. USE FDOT STANDARD INDEX 102, CHART 1 AS A GUIDE FOR SPACING.

**MAINTENANCE**

1. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
  2. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE BEFORE THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

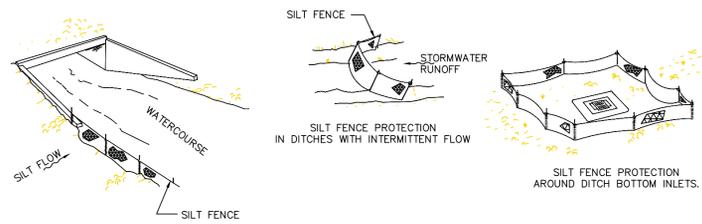


**TYPE III SILT FENCE**  
N.T.S.

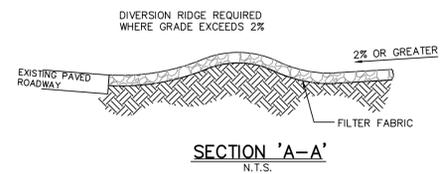


**TYPE IV SILT FENCE**  
N.T.S.

- GENERAL NOTES**
1. TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1, SHEET 1.
  2. TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 1:2 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT-OF-WAY.
  3. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
  4. WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.



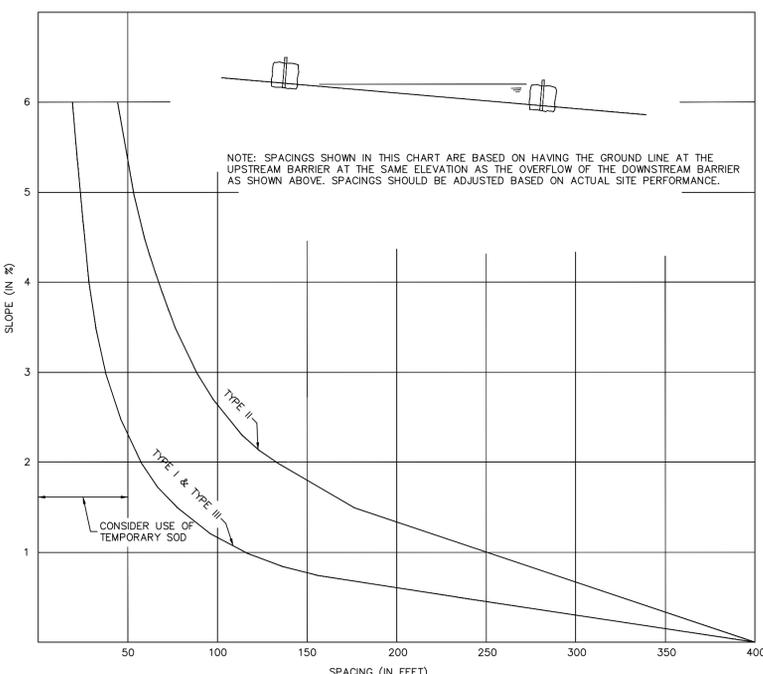
**SILT FENCE APPLICATIONS**  
N.T.S.



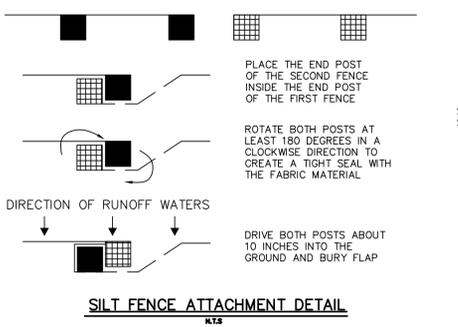
**SECTION 'A-A'**  
N.T.S.

- GENERAL NOTES**
- TEMPORARY ACCESS ROADS AND PARKING AREAS:**
1. TEMPORARY ROADS SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE. SLOPES SHOULD NOT EXCEED 10 PERCENT.
  2. TEMPORARY PARKING AREAS SHOULD BE LOCATED ON NATURALLY FLAT AREAS TO MINIMIZE GRADING. GRADES SHOULD BE SUFFICIENT TO PROVIDE DRAINAGE BUT SHOULD NOT EXCEED 4 PERCENT.
  3. ROADBEDS SHALL BE AT LEAST 14 FEET (5.5 m) WIDE FOR ONE-WAY TRAFFIC AND 20 FEET (8 m) WIDE FOR TWO-WAY TRAFFIC.
  4. ALL CUTS AND FILLS SHALL HAVE SIDE SLOPES THAT ARE STABLE FOR THE PARTICULAR SOIL. SLOPES OF 2:1 OR FLATTER ARE RECOMMENDED FOR CLAY SOILS, AND SLOPES OF 3:1 OR FLATTER ARE RECOMMENDED FOR SANDY SOILS.
  5. STORMWATER SYSTEM SHALL BE PROVIDED AS NEEDED AND SHALL BE DESIGNED AND CONSTRUCTED ACCORDING TO APPLICABLE REGULATIONS.
  6. THE ROADBED OR PARKING SURFACE SHALL BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
  7. A 6 INCH (15 cm) COURSE OF FDOT NO. 1 AGGREGATE SHALL BE APPLIED IMMEDIATELY AFTER GRADING OR THE COMPLETION OF UTILITY INSTALLATION WITHIN THE RIGHT-OF-WAY. FILTER FABRIC MAY BE APPLIED TO THE ROADBED FOR ADDITIONAL STABILITY ACCORDING TO THE FABRIC MANUFACTURER'S SPECIFICATIONS.

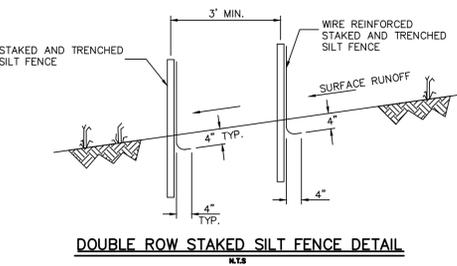
**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**  
N.T.S.



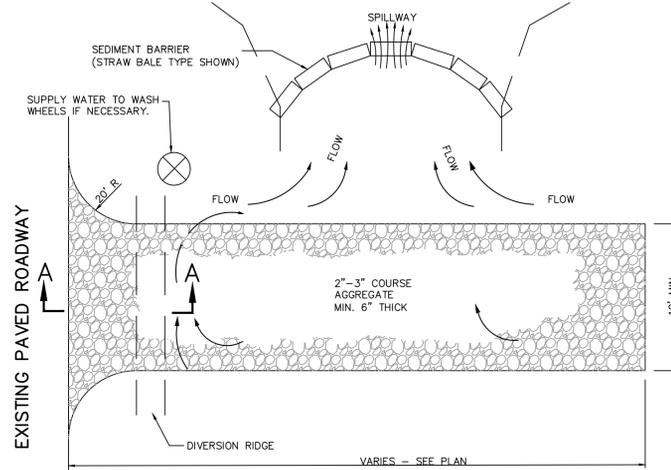
**CHART I**  
**RECOMMENDED SPACING FOR BALED HAY BARRIERS AND TYPE III SILT FENCE**  
N.T.S.



**SILT FENCE ATTACHMENT DETAIL**  
N.T.S.



**DOUBLE ROW STAKED SILT FENCE DETAIL**  
N.T.S.



- NOTE:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**  
N.T.S.

**DATUM INFORMATION**  
ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NAVD 1983 DATUM.

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

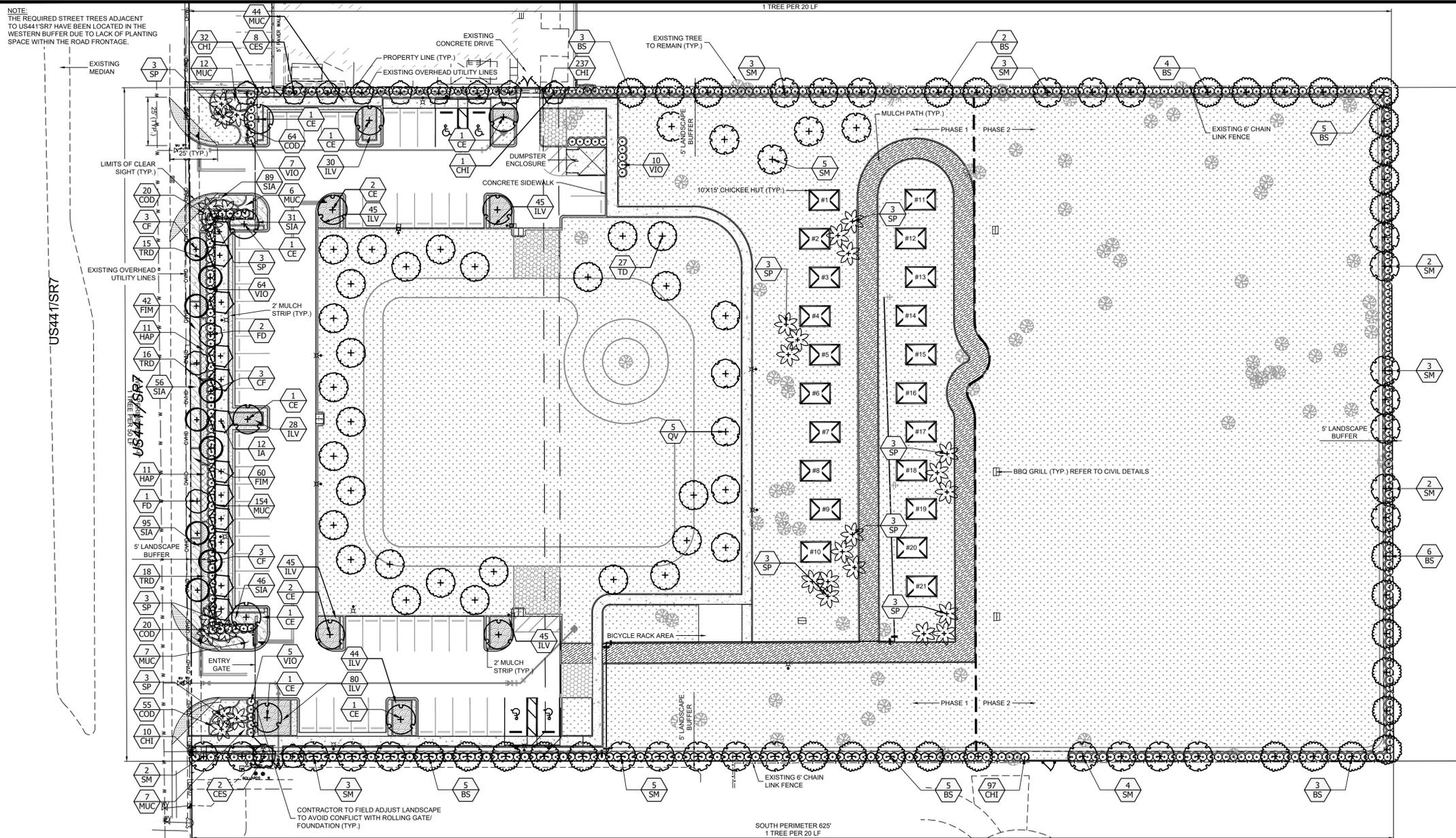
**Sunshine811.com**

**PROGRESS SET**

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DESIGNER: ACS	DRAWN BY: AA	CHECKER: JJA	SCALE: AS SHOWN
NO. 5	DATE	NO. 1	REVISION
2103 Coral Way	Suite 401	Miami, FL 33145	Tel: (786) 497-1500
CHEN-MOORE & ASSOCIATES			JOSE L. ACOSTA, P.E. CIVIL ENGINEER FL Reg. No. 56247
The Seminole Tribe of Florida			SEMINOLE VILLAGE PHASE I
STORMWATER POLLUTION PREVENTION DETAILS			PPD-1
Date: 01/29/2018			Sheet: 13 of 16
Drawing: PPD-1			PROJECT NO. 300.001

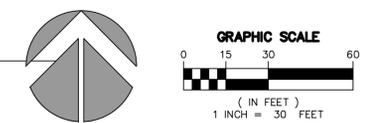
NOTE:  
THE REQUIRED STREET TREES ADJACENT TO US441/SR7 HAVE BEEN LOCATED IN THE WESTERN BUFFER DUE TO LACK OF PLANTING SPACE WITHIN THE ROAD FRONTAGE.



### PLANT LEGEND

TREES	CODE	COMMON NAME	BOTANICAL NAME	REMARKS
	BS	Gumbo Limbo	Bursera simaruba	
	CF	Gloden Shower	Cassia fistula	
	CE	Buttonwood	Conocarpus erectus	
	CES	Silver Button Wood	Conocarpus erectus sericeus	4' Clear Trunk
	FD	Japanese Fern Tree	Filixium decipiens	
	IA	East Palatka Holly	Ilex x attenuata 'East Palatka'	FULL TO BASE
	SM	West Indian Mahogany	Swietenia mahagoni	
PALM TREES	CODE	COMMON NAME	BOTANICAL NAME	REMARKS
	SP	Cabbage Palmetto	Sabal palmetto	Staggered Heights
SHRUBS	CODE	COMMON NAME	BOTANICAL NAME	REMARKS
	CHI	Green Cocoplum	Chrysobalanus icaco	
	VIO	Walter's Viburnum	Viburnum obtortum	
SHRUB AREAS	CODE	COMMON NAME	BOTANICAL NAME	REMARKS
	COD	Bravo Croton	Codiaeum variegatum 'Bravo'	
	FIM	Green Island Ficus	Ficus microcarpa 'Green Island'	
	HAP	Fire Bush	Hamelia patens	
	ILV	Dwarf Schillings Holly	Ilex vomitoria 'Schillings Dwarf'	
	MUC	Muhly Grass	Muhlenbergia capillaris	
	SIA	Blue Eyed Grass	Syntherisma angustifolium	
	TRD	Fakahatchee Grass	Tripsacum dactyloides	
GROUND COVERS	CODE	COMMON NAME	BOTANICAL NAME	REMARKS
	MULCH	MULCH	MULCH	
	SOD2	Bahia Grass	Paspalum notatum 'Argentine'	SOD2
	SOD	St. Augustine Grass	Stenotaphrum secundatum	

SEE SHEET LNP-2 FOR PLANT SCHEDULE



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

### LANDSCAPE TABULATIONS

CODE APPLICATION	#	REQUIRED	PROVIDED	EXISTING	RELOCATED	PROPOSED
<b>Terminal Islands</b>						
190 SF OF PERVIOUS AREA PER ISLAND	8	1,520	1,520			
1 TREE PER ISLAND	8	8	8	0	0	0
<b>Paved Vehicular Use Area</b>						
25% OF THE VUA SHALL BE LANDSCAPED	27,588	6,897	6,897			
<b>Native Plant Requirements</b>						
60% NATIVE TREES	0	60%	92% TREES & 100% PALMS			
50% NATIVE SHRUBS	0	50%	91%			
<b>Open Space/Pervious Area</b>						
1 TREE PER 1,000 SF OF PERVIOUS PROPERTY (LESS OTHER REQUIREMENTS / PLANTING AREAS)	106,788	106.8	125	69	0	56
<b>Street Trees</b>						
1 TREE/50 LF OF STREET FRONTAGE	348.5	7	7	0	0	7
<b>Buffer Requirements</b>						
NORTH PERIMETER 1 TREE/20 LF CONTINUOUS VISUAL BARRIER	625	32	32	8	0	24
SOUTH PERIMETER 1 TREE/20 LF CONTINUOUS VISUAL BARRIER	625	32	32	3	0	29
WEST PERIMETER (LESS ACCESSWAYS) 1 TREE/50 LF CONTINUOUS VISUAL BARRIER	348.5	7	7	0	0	7
EAST PERIMETER 1 TREE/20 LF CONTINUOUS VISUAL BARRIER	348.5	18	18			18
<b>TOTAL TREES</b>		204	222	80	0	134

### GENERAL NOTES

- THE CITY LANDSCAPE REVIEWER WILL BE NOTIFIED PRIOR TO ANY CHANGES IN APPROVED LANDSCAPE MATERIALS.
- PLANT MATERIAL WILL NOT BE PLANTED INTO ROOT BALLS OF TREES AND PALMS.
- ALL PLANT MATERIAL TO BE FLORIDA GRADE #1 OR BETTER.
- ALL LANDSCAPED AREAS SHALL RECEIVE 100% IRRIGATION COVERAGE.
- IRRIGATION PLANS WILL BE REQUIRED AT TIME OF BUILDING PERMIT. IRRIGATION PLANS SHALL BE PREPARED, SIGNED AND SEALED BY A REGISTERED PROFESSIONAL LICENSED TO DO SUCH DESIGN UNDER STATE OF FLORIDA STATUTE 481.303(6)(C) OR AS OTHERWISE PRESCRIBED UNDER FLORIDA STATUTES.
- A PRE-CONSTRUCTION INSPECTION FOR THOSE TREES TO REMAIN ON SITE SHALL BE SCHEDULED PRIOR TO ISSUANCE OF BUILDING PERMIT. TREES WHICH ARE TO BE PRESERVED ON A SITE SHALL BE PROTECTED FROM CONSTRUCTION DAMAGE BY BARRICADING AROUND THE OUTER EDGE OF THE DRIP LINE WITH A DURABLE PROTECTIVE FENCE. THIS FENCING MUST BE ERECTED AFTER ISSUANCE OF THE TREE REMOVAL/RELOCATION PERMIT AND PRIOR TO ANY CONSTRUCTION ACTIVITY. PRIOR TO ANY LAND CLEARING ACTIVITY THE CITY MUST INSPECT THIS.
- THE LANDSCAPE IN AREAS WHERE LANDSCAPE AND PEDESTRIAN TRAFFIC INTERFACE SHALL BE MAINTAINED WITH A CLEAR AREA BETWEEN FINISH GRADE AND 7'

### LANDSCAPE NOTES

- PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER AS ESTABLISHED BY "GRADES AND STANDARDS FOR NURSERY PLANTS" OF THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
- ALL TREES, SHRUBS AND GROUND-COVERS SHALL BE OF THE SIZES AS SPECIFIED IN THE PLANT LIST.
- QUANTITIES LISTED ON THE PLANT LIST ARE FOR ESTIMATING PURPOSES. CONTRACTOR SHALL VERIFY ALL QUANTITIES, MULCH, TOPSOIL, FERTILIZER, ETC. SHALL BE INCLUDED IN THE UNIT COST OF THE PLANTS.
- WHERE THERE IS A DISCREPANCY EITHER IN QUANTITIES, PLANT NAMES, SIZES OR SPECIFICATIONS BETWEEN THE PLAN OR PLANT LIST, THE PLAN TAKES PRECEDENCE.
- THE PLANTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS.
- CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL UTILITY LOCATIONS AND INSTALLING FACILITIES SO AS TO NOT CONFLICT. ALL DAMAGE TO EXISTING UTILITIES OR IMPROVEMENTS CAUSED BY CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR TO NOTIFY "SUNSHINE STATE ONE CALL OF FLORIDA, INC." AT 1-800-432-4770 TWO FULL BUSINESS DAYS PRIOR TO DIGGING FOR UNDERGROUND UTILITY LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL GRADING OF ALL ASSOCIATED PLANTING AREAS.
- AFTER FINAL GRADE, AREA TO BE RAKED TO 6" DEPTH AND ALL ROCK AND FOREIGN INORGANIC MATERIALS REMOVED AND DISPOSED OF PROPERLY OFF-SITE.
- ALL PLANTING HOLES TO BE HAND DUG EXCEPT WHERE MACHINE DUG HOLES WILL NOT ADVERSELY AFFECT OR DAMAGE UTILITIES OR IMPROVEMENTS.
- NO PLUNGING OF ANY TREE OR PALM WILL BE ACCEPTED. ALL PLANTS TO BE PLANTED AT THE NURSERY GRADE OR SLIGHTLY HIGHER.
- CONTRACTOR SHALL STAKE & GUY ALL TREES AND PALMS AT TIME OF PLANTING AS PER THE APPROPRIATE DETAIL. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF ALL STAKING AND GUYING DURING WARRANTY PERIOD AND REMOVAL & DISPOSAL OF STAKING AFTER ESTABLISHMENT PERIOD.
- SOD: ALL AREAS NOT USED FOR BUILDINGS, VEHICULAR USE AREAS, WALKS OR PLANTING BEDS SHALL BE GRASSED. GRASSING SHALL EXTEND TO ANY ADJUTING STREET PAVEMENT EDGE AND TO THE MEAN WATERLINE OF ANY ADJUTING CANAL, LAKE OR WATERWAY. SOD WITHIN BALLFIELDS SHALL BE CYHODON DACTYLOID "CELEBRATION" (CELEBRATION BERMUDA GRASS). ALL OTHER SOD AREAS SHALL BE PASPALUM NOTATUM (BAHIA GRASS).
- PLANTING SOIL: ALL TREES AND SHRUBS SHALL BE PLANTED WITH A MINIMUM OF 12" TOPSOIL AROUND AND BENEATH THE ROOTBALL. MINIMUM TOPSOIL SHALL BE 4" FOR SODDED GRASS AREAS.
- PLANTING SOIL TO BE A WEED-FREE MIXTURE OF 50% SAND, 40% MUCK, AND 10% CANADIAN PEAT.
- MULCH: A CONSISTENT 3" LAYER OF STERILIZED MALEUCA, EUCALYPTUS OR FLORIMULCH GRADE 'B' OR BETTER. MULCH SHALL BE SPREAD OVER ALL PLANTING BEDS. CYPRESS OR TREATED RED MULCH SHALL NOT ACCEPTED. CONTRACTOR TO SUBMIT SAMPLE OF MULCH TO LANDSCAPE ARCHITECT FOR FINAL ACCEPTANCE.
- ALL PLANTING BEDS AND WATER BASINS FOR TREES SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF MULCH.
- FERTILIZATION: 12-4-12 FERTILIZER SHALL BE APPLIED TO ALL TREES, SHRUBS AND GROUND-COVERS. THE APPLICATION RATE SHALL BE ONE POUND OF NITROGEN PER 1,000 S.F. AND THE FERTILIZER SHALL BE BROADCAST PER MANUFACTURER'S RECOMMENDATIONS. 12-4-12 COMPLETE FERTILIZER SHALL BE APPLIED TO PALMS OVER 8' IN HEIGHT AT A RATE OF 6 POUNDS PER TREE. PALMS UNDER 8' IN HEIGHT SHALL RECEIVE THE SAME FERTILIZER AT 2.5 POUNDS PER TREE.
- SUBSTITUTIONS AND CHANGES: ALL SUBSTITUTIONS AND CHANGES SHALL BE APPROVED IN WRITING PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN PLANS, SITE AND SPECIFICATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT, THE OWNER AND GOVERNING MUNICIPALITY.
- WATERING: ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING IN ACCORDANCE WITH STANDARD NURSERY PRACTICES. IN ADDITION, CONTRACTOR WILL CONTINUE WATERING OF PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION AND AS NEEDED THEREAFTER FOR A PERIOD OF 3 MONTHS.
- WARRANTY: ALL NEW PLANT MATERIAL SHALL BE GUARANTEED FOR 1 YEAR FROM TIME OF FINAL ACCEPTANCE OF PROJECT. ANY PLANT MATERIAL NOT IN A HEALTHY GROWING CONDITION WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITHIN 10 DAYS OF NOTIFICATION. FOR ALL REPLACEMENT PLANT MATERIAL, THE WARRANTY PERIOD SHALL BE EXTENDED AN ADDITIONAL 45 DAYS BEYOND THE ORIGINAL WARRANTY PERIOD. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 75 MPH, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE SUCCESSFUL BIDDER SHALL FURNISH TO THE OWNER A UNIT PRICE BREAKDOWN FOR ALL MATERIALS. THE OWNER MAY, AT ITS

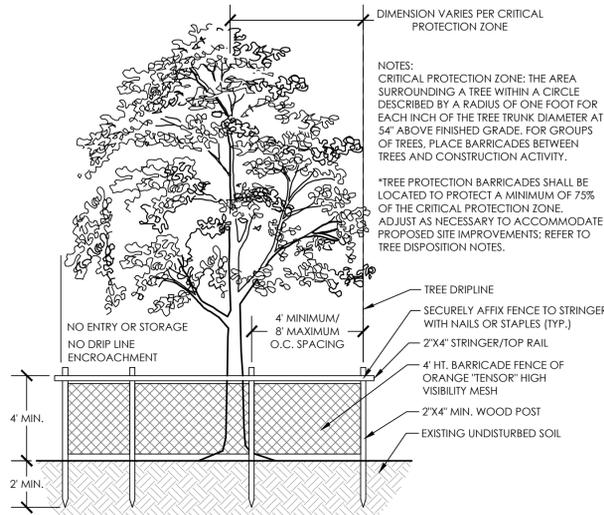
- DISCRETION, ADD OR DELETE FROM THE MATERIALS UTILIZING THE UNIT PRICE BREAKDOWN SUBMITTED.
- NO PLANT MATERIAL WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT SCARS, OR OTHERWISE DAMAGED.
- CONTRACTOR WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN CRACKED, BROKEN OR OTHERWISE DAMAGED.
- ROOT-PRUNE ALL TREES A MINIMUM OF (8) WEEKS PRIOR TO PLANTING.
- ALL PLANT MATERIAL PLANTED WITHIN THE SIGHT DISTANCE TRIANGLE AREAS SHALL PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30 INCHES AND 8 FEET ABOVE ADJACENT STREET GRADE.
- NO CANOPY TREES SHALL BE PLANTED WITHIN 12 FEET OF A LIGHT POLE. NO PALM SPECIES SHALL BE PLANTED WITHIN 6 FEET OF A LIGHT POLE.
- GROUND COVER PLANTINGS SHALL PROVIDE NOT LESS THAN 50 PERCENT COVERAGE IMMEDIATELY UPON PLANTING AND 100 PERCENT COVERAGE WITHIN 6 MONTHS AFTER PLANTING.
- TREE PROTECTION BARRICADES SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AROUND EXISTING TREES THAT MAY BE IMPACTED BY THE PROPOSED CONSTRUCTION. PRIOR TO ANY CONSTRUCTION A TREE PROTECTION BARRICADE INSPECTION SHALL BE CONDUCTED BY THE LANDSCAPE ARCHITECT, OWNER OR GOVERNING MUNICIPALITY. REFER TO SHEET LNP-2 FOR TREE PRESERVATION BARRICADE FENCING DETAIL.
- IN ALL PEDESTRIAN AREAS, ALL TREES AND PALMS SHALL BE MAINTAINED TO ALLOW FOR CLEAR PASSAGE AT AN 8 FOOT CLEAR TRUNK.
- ALL LANDSCAPE MATERIAL SHALL BE SETBACK A MINIMUM OF 10' FROM ANY FIRE HYDRANT.
- LARGE TREES INSTALLED WITHIN 8' OF HARDSCAPE AREAS SHALL REQUIRE A ROOTBARRIER TO PROTECT ADJACENT PAVED AREAS. CONTRACTOR TO SUBMIT PRODUCT CUT SHEETS FOR APPROVAL.
- AN AUTOMATIC SPRINKLER SYSTEM SHALL BE DESIGNED TO PROVIDE 100% IRRIGATION COVERAGE. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HOLLYWOOD CODE OF ORDINANCES AND THE REGULATIONS OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.
- CONTRACTOR TO FIELD ADJUST PROPOSED TREES WHERE IN CONFLICT OR INTERFERE WITH EXISTING TREE CANOPY OR SITE IMPROVEMENTS.
- PROPOSED PLANT MATERIAL SHALL NOT BE PLANTED INTO THE ROOT BALLS OF EITHER EXISTING OR PROPOSED TREES/PALMS.

**PROGRESS SET**

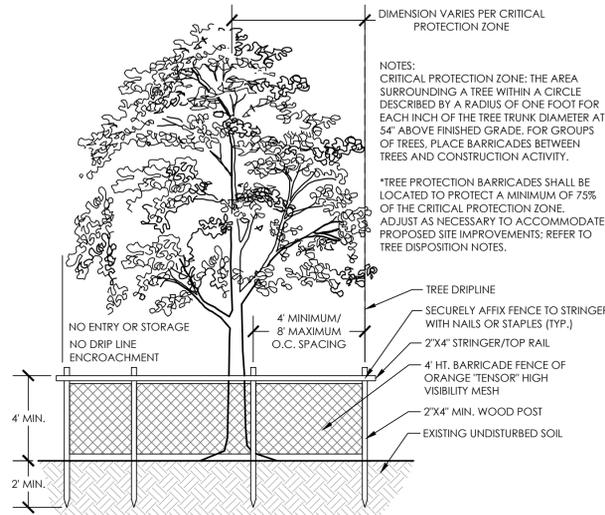
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DRAWN BY: AA	Suite 401
CHECKER: JLA	Miami, FL 33145
SCALE: AS SHOWN	Tel: (786) 497-1500
NO. DATE	Fax: (786) 497-2300
REVISION	CHEN-MOORE & ASSOCIATES
	2018 PROFESSIONAL SEAL
	<b>The Seminole Tribe of Florida</b>
	SEMINOLE VILLAGE PHASE I
	LANDSCAPE PLAN
	Date: 01/29/2018
	Sheet: 14 of 16
	Project: 300.001

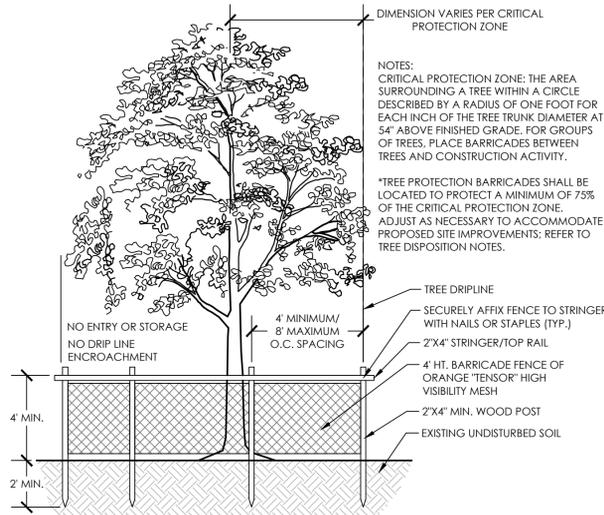
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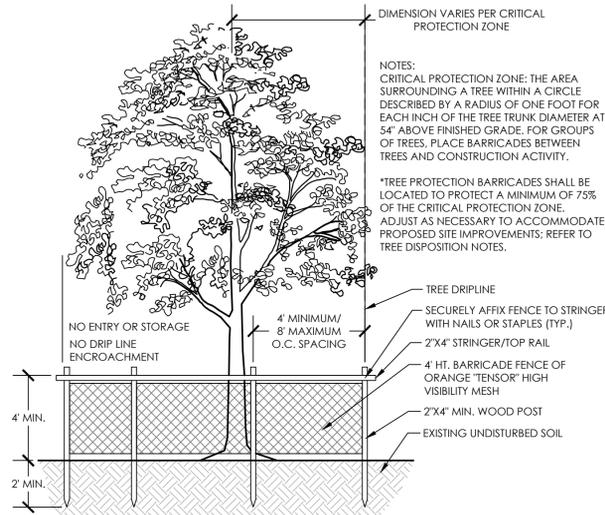
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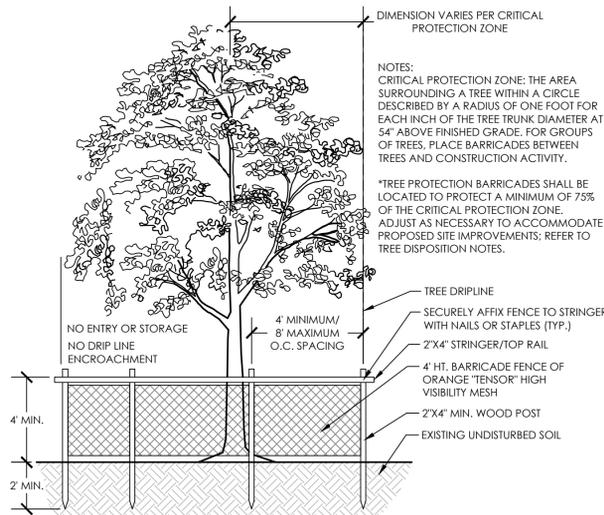
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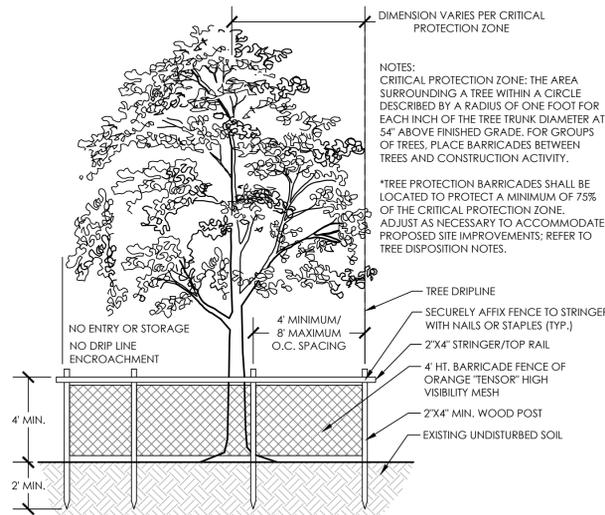
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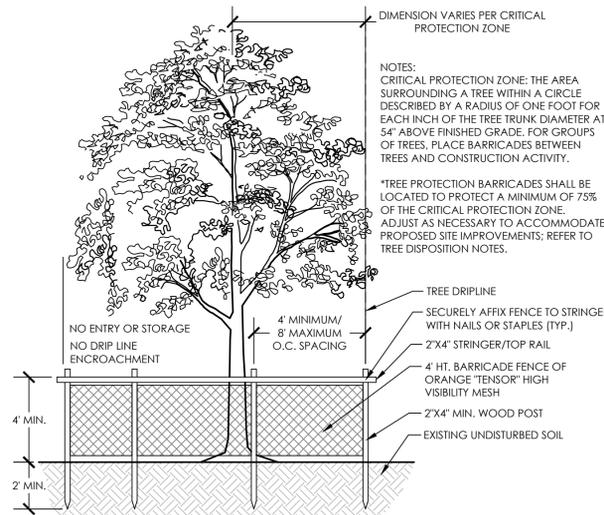
**4 TREE PRESERVATION FENCING**  
1/4" = 1'-0" 329343-24



**5 TREE PRESERVATION FENCING**  
1/4" = 1'-0" 329343-24



**6 TREE PRESERVATION FENCING**  
1/4" = 1'-0" 329343-24



**7 TREE PRESERVATION FENCING**  
1/4" = 1'-0" 329343-24

**PLANT SCHEDULE**

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	REMARKS	
	BS	33	Gumbo Limbo	Bursera simaruba	B & B	12' - 14' HT, 6' SPRD, 3" CAL	Yes		
	CF	9	Golden Shower	Cassia fistula	B & B	10' OAH, 5' SPR., 2" CAL.	No		
	CE	12	Buttonwood	Conocarpus erectus	B & B	14' - 16' HT, 6' SPRD	Yes		
	CES	11	Silver Button Wood	Conocarpus erectus sericeus	B & B	12' HT, 6' SPRD, 2" DBH	Yes	4' Clear Trunk	
	FD	3	Japanese Fern Tree	Filicium decipiens	B & B	10' HT, 5' SPRD, 2.5" CAL	No		
	IA	12	East Palatka Holly	Ilex x attenuata 'East Palatka'	B & B	12' HT, 5' SPRD, 3" DBH	Yes	FULL TO BASE	
	QV	5	Southern Live Oak	Quercus virginiana	B & B	12' HT, 6' SPRD, 3" CAL	Yes		
	SM	32	West Indian Mahogany	Swietenia mahagoni	B & B	12' - 14' HT, 6' SPRD, 3" CAL	Yes		
	TD	27	Bald Cypress	Taxodium distichum	B & B	12' HT, 6' SPR, 3" CAL	Yes		
PALM TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	REMARKS	
	SP	30	Cabbage Palmetto	Sabal palmetto	B & B	12'-18" C.T.	Yes	Staggered Heights	
SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	SPACING	REMARKS
	CHI	376	Green Cocoplum	Chrysobalanus icaco	7 gal	48"x48"	Yes	48" o.c.	
	VIO	86	Walter's Viburnum	Viburnum ovalatum	7 gal	48"x48"	Yes	48" o.c.	
SHRUB AREAS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	SPACING	REMARKS
	COD	159	Bravo Croton	Codiaeum variegatum 'Bravo'	3 gal	18"x18"	No	24" o.c.	
	FIM	102	Green Island Ficus	Ficus microcarpa 'Green Island'	3 gal	18"x18"	No	24" o.c.	
	HAP	22	Fire Bush	Hamelia patens	7gal	36"x36"	Yes	36" o.c.	
	ILV	376	Dwarf Schillings Holly	Ilex vomitoria 'Schillings Dwarf'	3 gal	14"x14"	Yes	24" o.c.	
	MUC	230	Muhly Grass	Muhlenbergia capillaris	3 gal	18"x18"	Yes	36" o.c.	
	SIA	317	Blue Eyed Grass	Sisyrinchium angustifolium	1 gal	12"x12"	Yes	24" o.c.	
	TRD	49	Fakahatchee Grass	Tripsacum dactyloides	3 gal	24"x24"	Yes	36" o.c.	
GROUND COVERS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	NATIVE	REMARKS	
	MULCH	979 sf	Mulch	MULCH	mulch				
	SOD2	154,848 sf	Bahia Grass	Paspalum notatum 'Argentine'	SOD	FULL	N/A	SOD2	
	SOD	667 sf	St. Augustine Grass	Stenotaphrum secundatum	SOD	FULL	N/A		

**TREES**  
92% NATIVE

**PALMS**  
100% NATIVE

**SHRUBS**  
91% NATIVE

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2103 Coral Way  
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**CHEN-MOORE & ASSOCIATES**

**The Seminole Tribe of Florida**

SEMINOLE VILLAGE PHASE I  
LANDSCAPE DETAILS

Date: 01/29/2018  
Sheet: 15 of 16  
Drawing: LNP-2  
PROJECT NO. 300.001

**PROGRESS SET**

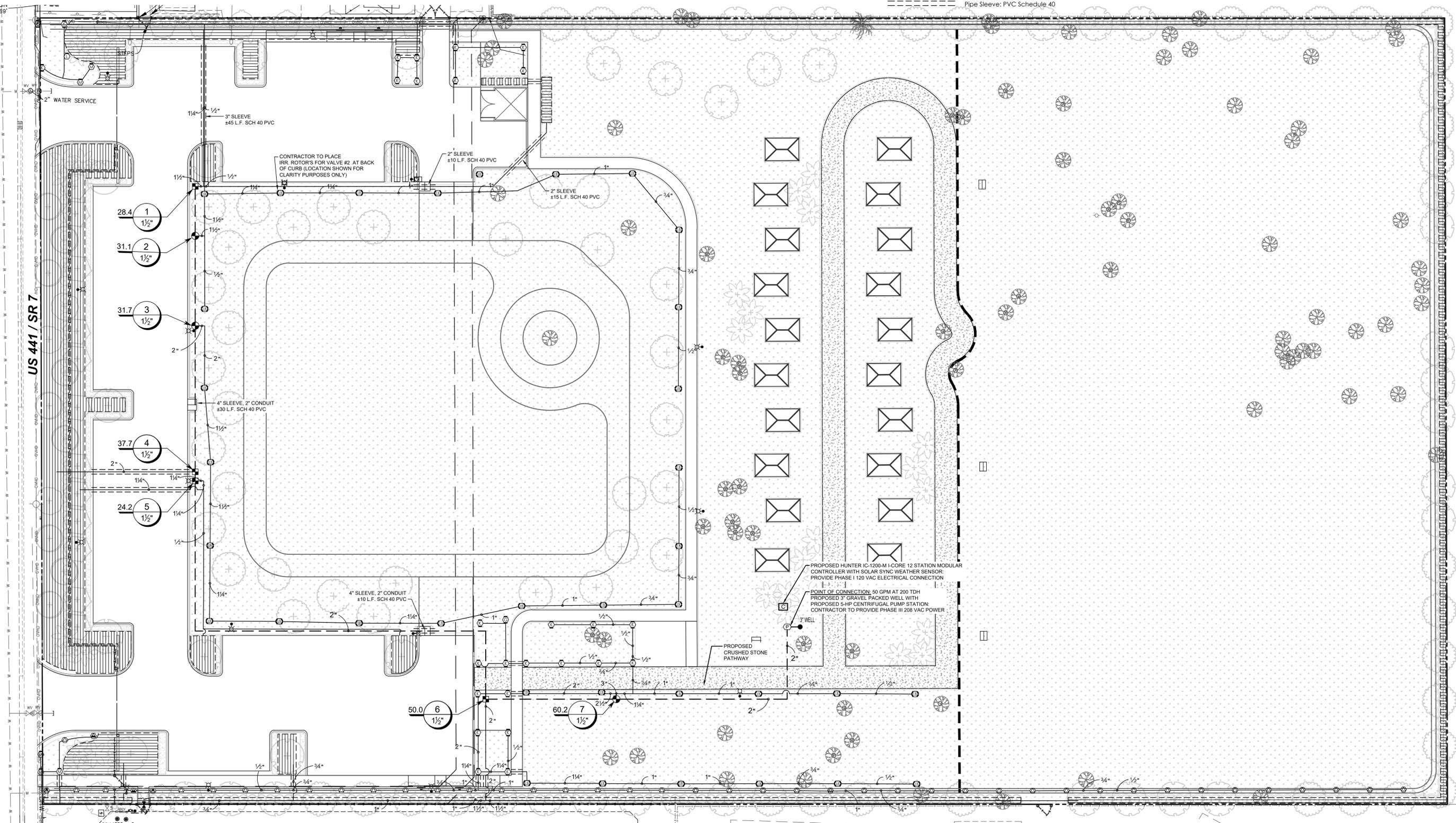
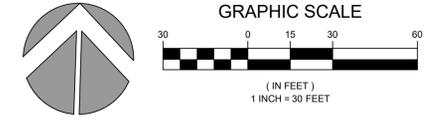
# GENERAL NOTES

- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
- CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY THE POWER LINES.
- MAINLINE LOCATION, WHERE SHOWN, IS FOR GRAPHIC CLARITY PURPOSES ONLY. INSTALL AT THE BACK OF CURB, FRONT OF WALK, BACK OF WALK, OR ADJACENT TO OTHER HARDSCAPES TO FACILITATE FUTURE LOCATION AND TO PROTECT FROM DAMAGE. ENSURE MAINLINE IS INSTALLED ACCORDING TO THE IRRIGATION SPECIFICATIONS AND DETAILS.
- IF IT IS NECESSARY TO HAVE PIPING UNDER HARDSCAPE ITEMS, SUCH AS ROADS, WALKS AND PATIOS, THE PIPES MUST BE SLEEVED USING SCH 40 PVC WITH THE SLEEVE DIAMETER BEING AT

- LEAST TWICE THE SIZE OF THE PIPE IT IS CARRYING.
- ANY MAJOR DESIGN CHANGES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO CONSTRUCTION; CONTRACTOR PROCEEDS WITH CHANGES AT OWN RISK.
- THE SYSTEM HAS BEEN DESIGNED TO UTILIZE LOW VOLUME, WATER EFFICIENT PRODUCTS. NO SUBSTITUTIONS SHALL BE PERMITTED, EXCEPT WITH WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT OF RECORD. PRODUCTS UTILIZED IN THE FIELD THAT HAS NOT BEEN APPROVED WILL BE REJECTED AT THE EXPENSE OF THE CONTRACTOR.
- IRRIGATION SYSTEM SHALL COMPLY WITH SFWMD IRRIGATION SYSTEM CRITERIA AND CURRENT WATER USE PERMIT.
- IRRIGATION WELL CONSTRUCTION PERMIT TO BE OBTAINED BY CONTRACTOR.

# IRRIGATION LEGEND

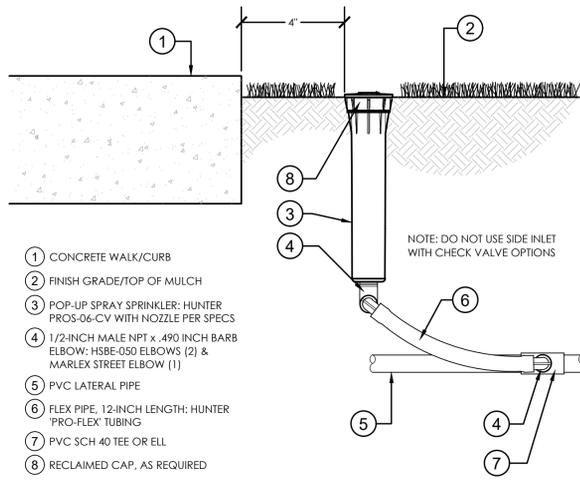
SYMBOL	MANUFACTURER/MODEL	ARC	SYMBOL	MANUFACTURER/MODEL
	Hunter MP1000 PROS-06-PRS40-CV	210-270		Hunter ICZ-151-40
	Hunter MP1000 PROS-06-PRS40-CV	45-210		Area to Receive Dripline
	Hunter MP2000 PROS-06-PRS40-CV	210-270		Hunter PLD-10-12 (18)
	Hunter MP2000 PROS-06-PRS40-CV	45-210		Hunter ICV-G-FS
	Hunter MP3000 PROS-06-PRS40-CV	360		Hunter IC-1200-M
	Hunter MP3000 PROS-06-PRS40-CV	45-210		Hunter Solar-Sync-Sen
	Hunter MP3000 PROS-06-PRS40-CV	210-270		Pump Station
	Hunter MP3500 PROS-06-PRS40-CV	90-210		3\" Well
	Hunter MP Strip PROS-06-PRS40-CV	LCS		Irrigation Lateral Line: PVC Class 200 SDR 21
	Hunter MP Strip PROS-06-PRS40-CV	RCS		Irrigation Mainline: PVC Class 200 SDR 21
	Hunter MP Strip PROS-06-PRS40-CV	SST		Pipe Sleeve: PVC Schedule 40



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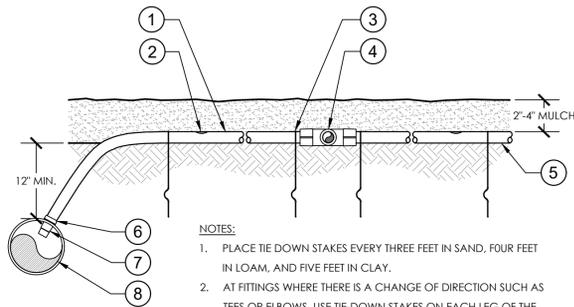
<b>SEMINOLE VILLAGE PHASE I</b> <b>IRRIGATION PLAN</b>				2103 Coral Way Suite 401 Miami, FL 33145 Tel: (786) 497-1500 Fax: (786) 497-2300																												
Date: 01/29/2018 Sheet: 16 of 16 Drawing: IRR-1 PROJECT NO: 300.001	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNER: ACS</td> <td>DRAWN BY: EDH, SZB</td> <td>CHECKER: CAB</td> <td>SCALE: AS SHOWN</td> </tr> <tr> <td>NO.</td> <td>DATE</td> <td>REVISION</td> <td>BY</td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> </table>				DESIGNER: ACS	DRAWN BY: EDH, SZB	CHECKER: CAB	SCALE: AS SHOWN	NO.	DATE	REVISION	BY	5				4				3				2				1			
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- 1 CONCRETE WALK/CURB
- 2 FINISH GRADE/TOP OF MULCH
- 3 POP-UP SPRAY SPRINKLER: HUNTER PROS-06-CV WITH NOZZLE PER SPECS
- 4 1/2-INCH MALE NPT x .490 INCH BARB ELBOW; HSBE-050 ELBOWS (2) & MARLEX STREET ELBOW (1)
- 5 PVC LATERAL PIPE
- 6 FLEX PIPE, 12-INCH LENGTH; HUNTER PRO-FLEX TUBING
- 7 PVC SCH 40 TEE OR ELL
- 8 RECLAIMED CAP, AS REQUIRED

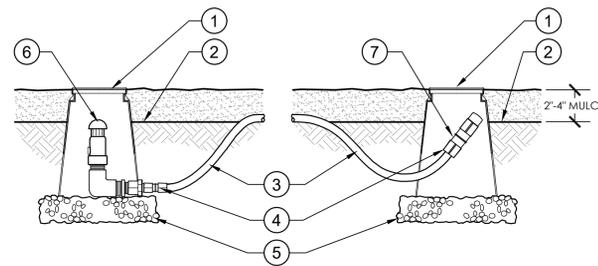
NOTE: DO NOT USE SIDE INLET WITH CHECK VALVE OPTIONS

- 1 ON-SURFACE DRIPLINE
- 2 INLINE DRIP EMITTER OUTLET
- 3 TIE DOWN STAKE (TYPICAL)
- 4 EASY FIT COMPRESSION TEE
- 5 FINISH GRADE
- 6 RATCHET CLAMP (INCLUDED WITH ADAPTER)
- 7 INSERT ADAPTER FOR PVC PIPE
- 8 PVC LATERAL PIPE MINIMUM 1" IN DIAMETER MINIMUM 12" DEPTH



- NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
  2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

- 1 SUBTERRANEAN EMITTER BOX
- 2 FINISH GRADE
- 3 ON-SURFACE DRIPLINE
- 4 EASY FIT COUPLING
- 5 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 6 AIR RELIEF VALVE
- 7 FLUSH CAP FOR EASY FIT COMPRESSION FITTINGS



3 AIR RELIEF AND FLUSH VALVE

1 1/2" = 1'-0" 328413.56-87

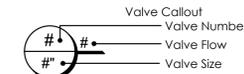
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	RADIUS
⊗	Hunter MP Strip PROS-06-PRS40-CV	2	LCS	40	5x15'
⊗	Hunter MP Strip PROS-06-PRS40-CV	2	RCS	40	5x15'
⊗	Hunter MP Strip PROS-06-PRS40-CV	41	SST	40	5x30'
⊗	Hunter MP1000 PROS-06-PRS40-CV	1	210-270	40	14'
⊗	Hunter MP1000 PROS-06-PRS40-CV	5	90-210	40	14'
⊗	Hunter MP2000 PROS-06-PRS40-CV	1	210-270	40	19'
⊗	Hunter MP2000 PROS-06-PRS40-CV	27	90-210	40	19'
⊗	Hunter MP3500 PROS-06-PRS40-CV	35	90-210	40	35'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
⊗	Hunter ICZ-151-40 1-1/2" ICV remote control valve with 1" HY100 filter system, 40 psi regulator and 120 mesh stainless steel screen.	4
▨	Area to Receive Dripline Hunter PLD-10-12 (18) In-Line Pressure Compensating Landscape Dripline with Built-In Check Valve, 1.0GPH emitters at 12.0' O.C. Dripline laterals spaced at 18.0' apart, with emitters offset for triangular pattern, UV Resistant.	12,037 s.f.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
⊗	Hunter ICV-G-FS 1-1/2" remote control valve, globe configuration, with filter sentry and pressure regulator	3
⊗	Hunter IC-1200-M Modular 12 station controller with metal cabinet	1
⊗	Pump Station 5 HP centrifugal pumping system with variable frequency drive, flow meter, and discharge isolation valve. 50 GPM, 200 TDH.	1
⊗	3" Well Intermediate depth, gravel packed	1

—	Irrigation Lateral Line: PVC Class 200 SDR 21	3,559 l.f.
---	Irrigation Mainline: PVC Class 200 SDR 21	528.3 l.f.
----	Pipe Sleeves: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	252.7 l.f.



VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PRECIP
1	Hunter ICZ-151-40	1-1/2"	Area for Dripline	28.41	537.9	45.78	1.13 in/h
2	Hunter ICV-G-FS	1-1/2"	Turf Rotary	31.09	516.0	48.85	0.22 in/h
3	Hunter ICV-G-FS	1-1/2"	Turf Rotary	31.73	476.2	49.09	0.24 in/h
4	Hunter ICZ-151-40	1-1/2"	Area for Dripline	37.66	411.4	46.64	1.13 in/h
5	Hunter ICZ-151-40	1-1/2"	Area for Dripline	24.19	407.4	45.08	1.13 in/h
6	Hunter ICZ-151-40	1-1/2"	Area for Dripline	49.99	181.4	61.73	1.13 in/h
7	Hunter ICV-G-FS	1-1/2"	Turf Rotary	60.22	123.4	50.47	0.38 in/h
	Common Wire				528.3		

1 6" POP-UP SPRAY

3" = 1'-0" 328403.13-05

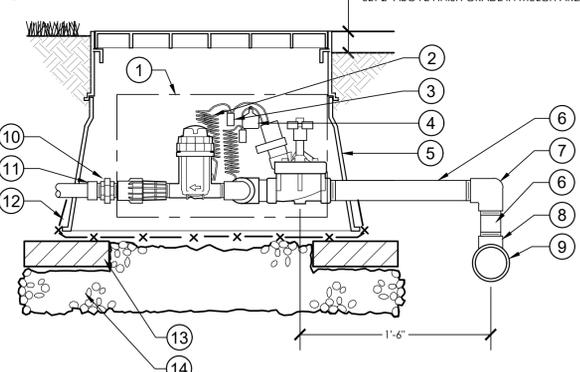
2 TYPICAL DRIPLINE AND HEADER

1 1/2" = 1'-0" 328413.56-86

3 AIR RELIEF AND FLUSH VALVE

1 1/2" = 1'-0" 328413.56-87

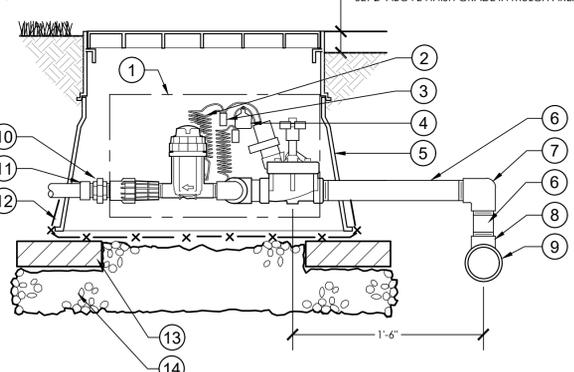
- 1 CONTROL ZONE KIT (AS SPECIFIED)
- 2 30-INCH LINEAR LENGTH OF WIRE, COILED
- 3 WATERPROOF CONNECTION (1 OF 2)
- 4 ZONE ID TAG
- 5 JUMBO VALVE BOX
- 6 PVC SCH 80 NIPPLE
- 7 PVC SCH 40 ELL
- 8 PVC SCH 40 TEE
- 9 PVC MAINLINE PIPE
- 10 PVC UNION
- 11 PVC SCH 40 ADAPTER
- 12 1/2" WIRE CLOTH GOPHER SCREEN WRAP ALL SIDES
- 13 BRICK (1 OF 4)
- 14 6-INCH MINIMUM DEPTH 3/4" WASHED GRAVEL



4 CONTROL ZONE KIT WITH BASKET FILTER

1 1/2" = 1'-0" 328413.76-31

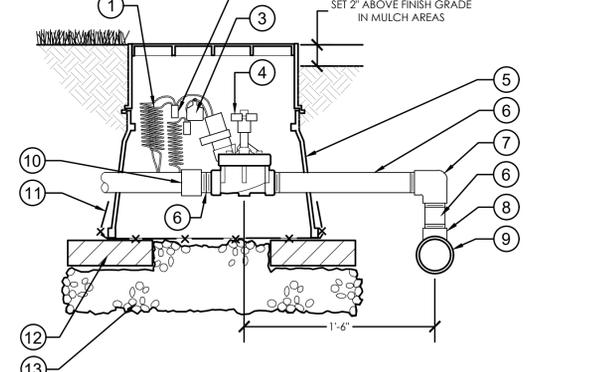
- 1 CONTROL ZONE KIT (AS SPECIFIED)
- 2 30-INCH LINEAR LENGTH OF WIRE, COILED
- 3 WATERPROOF CONNECTION (1 OF 2)
- 4 ZONE ID TAG
- 5 JUMBO VALVE BOX
- 6 PVC SCH 80 NIPPLE
- 7 PVC SCH 40 ELL
- 8 PVC SCH 40 TEE
- 9 PVC MAINLINE PIPE
- 10 PVC UNION
- 11 PVC SCH 40 ADAPTER
- 12 1/2" WIRE CLOTH GOPHER SCREEN WRAP ALL SIDES
- 13 BRICK (1 OF 4)
- 14 6-INCH MINIMUM DEPTH 3/4" WASHED GRAVEL



5 CONTROL ZONE KIT WITH BASKET FILTER

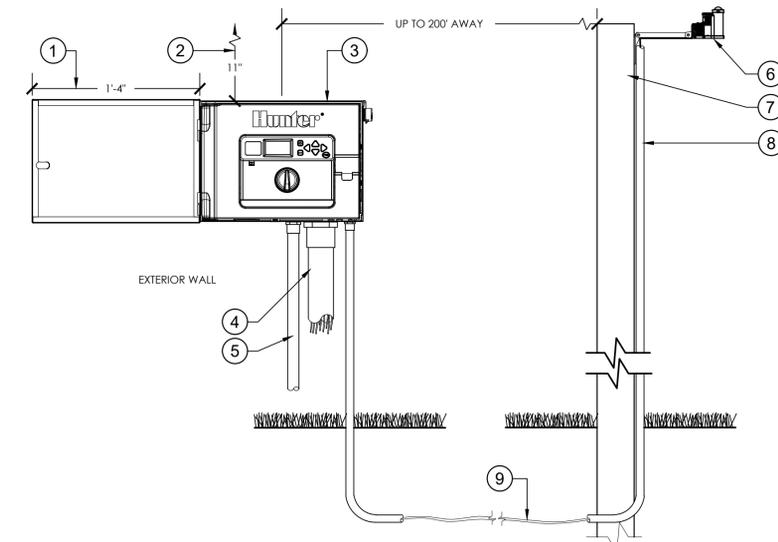
1 1/2" = 1'-0" 328413.76-31

- 1 30-INCH LINEAR LENGTH OF WIRE, COILED
- 2 WATERPROOF CONNECTION (1 OF 2)
- 3 ZONE ID TAG
- 4 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR
- 5 STANDARD VALVE BOX
- 6 PVC SCH 80 NIPPLE
- 7 PVC SCH 40 ELL
- 8 PVC SCH 40 TEE
- 9 PVC MAINLINE PIPE
- 10 PVC SCH 40 ADAPTER
- 11 1/2" WIRE CLOTH GOPHER SCREEN WRAP ALL SIDES
- 12 BRICK (1 OF 4)
- 13 6-INCH MINIMUM DEPTH 3/4" WASHED GRAVEL



6 PRESSURE REGULATING REMOTE CONTROL VALVE

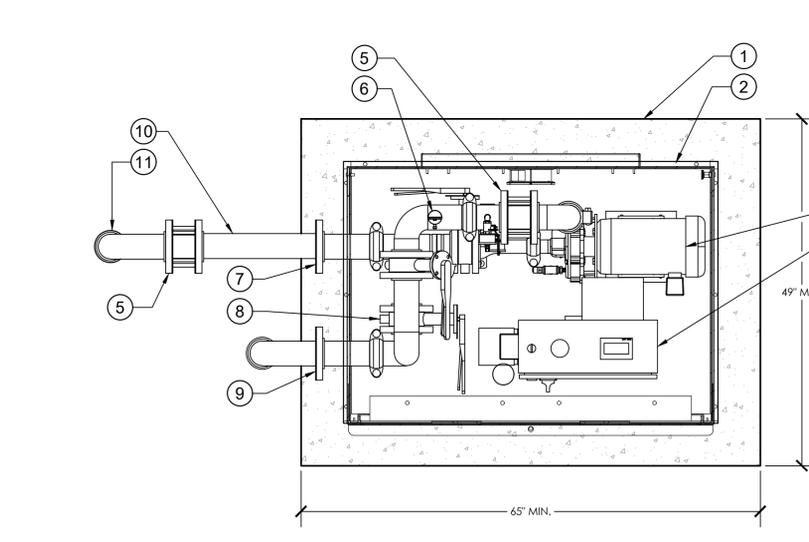
1 1/2" = 1'-0" 328406.13-11



7 I-CORE WALL MOUNTED CONTROLLER WITH SOLAR SYNC

1 1/2" = 1'-0" 328409.13-30

- 1 MINIMUM CLEARANCE FOR DOOR OPENING
- 2 MINIMUM VERTICAL CLEARANCE NEEDED FOR HINGE PIN REMOVAL
- 3 I-CORE CONTROLLER
- 4 CONTROL WIRE IN ELECTRICAL CONDUIT, SIZE AND TYPE PER LOCAL CODE
- 5 1/2" POWER SUPPLY CONDUIT J-BOX INSIDE CONTROLLER CONNECT PER LOCAL CODE
- 6 SOLAR SYNC SENSOR
- 7 SUITABLE POST, POLE, WALL OR GUTTER MOUNT, MOUNT IN LOCATION WHERE SENSOR CAN RECEIVE FULL SUN, IS OPEN TO RAINFALL AND OUT OF SPRINKLER SPRAY PATTERN
- 8 CONDUIT FOR SOLAR SYNC COMMUNICATION WIRE TO CONTROLLER OR 12" BELOW GRADE
- 9 COMMUNICATION WIRE, 18-2[WIRE TYPE TO MEET INSTALLATION CODE REQUIREMENTS], FROM MODULE TO SENSOR, MAXIMUM TOTAL WIRE DISTANCE, 200 FEET



8 CENTRIFUGAL WELL PUMP SYSTEM

1" = 1'-0" 328409.56-07

- 1 3000 PSI CONCRETE SLAB
- 2 POWDER COATED ALUMINUM ENCLOSURE
- 3 HORIZONTAL PUMP
- 4 NEMA 3R CONTROL PANEL
- 5 CHECK VALVE
- 6 FLOW METER AND MASTER SHUTOFF VALVE WITH OUTPUT TO CONTROLLER
- 7 INTAKE FLANGE
- 8 BYPASS VALVE
- 9 DISCHARGE FLANGE
- 10 SUCTION LINE
- 11 WELL WITH STEEL CASING AND 10 MESH STAINLESS STEEL SCREEN, TEE BY WELL DRILLER

NOTE:

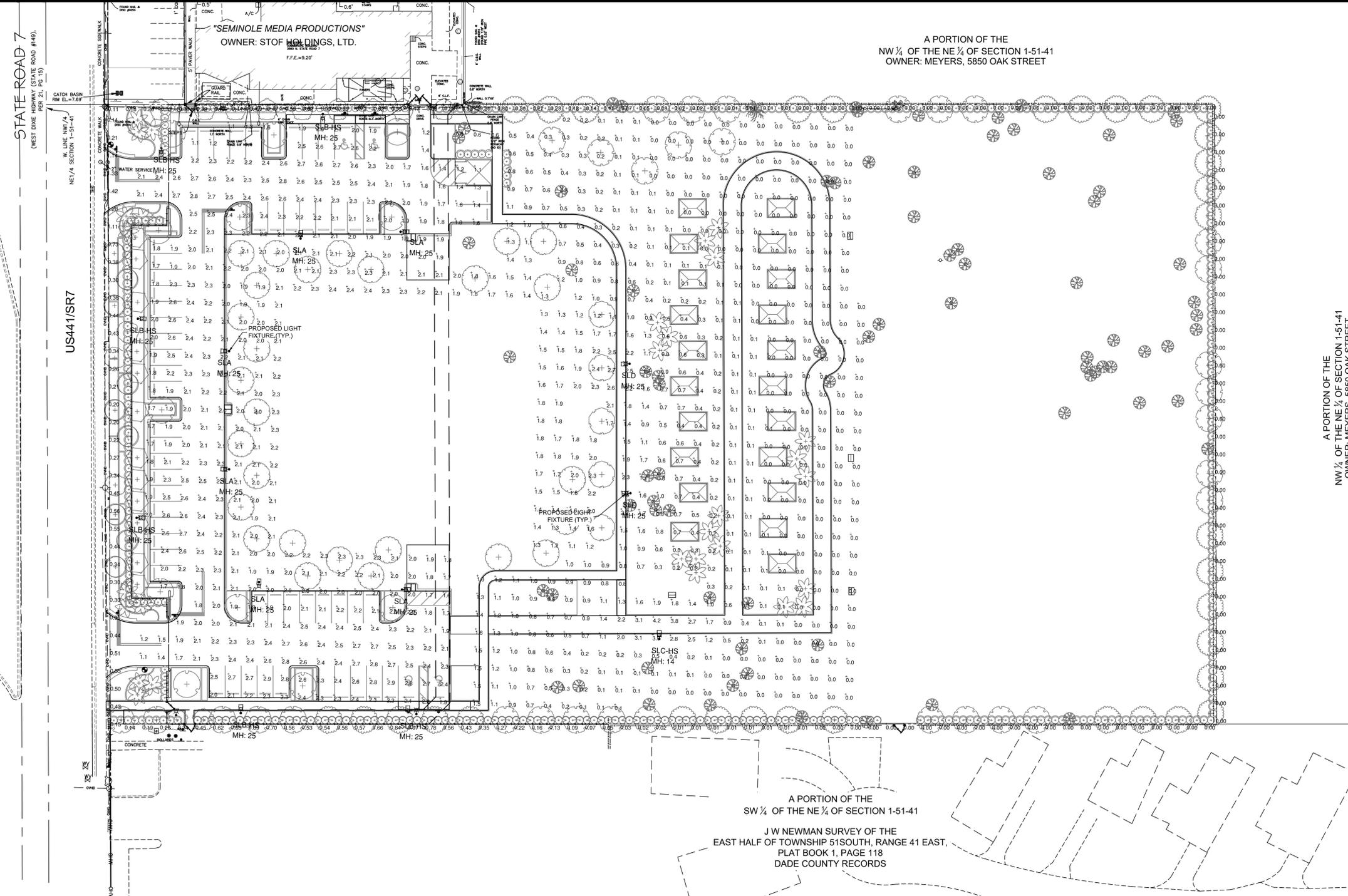
1. SUCTION PIPE SHALL BE SCHED 40 GALVANIZED STEEL WITH GALVANIZED ROLL GROOVE FITTINGS FROM THE PUMP TO THE WELL TEE
2. CHECK VALVES 3" AND LARGER SHALL BE SWING TYPE, 2" AND SMALLER SHALL BE POPPET STYLE
3. PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP SYSTEM

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<b>SEMINOLE VILLAGE PHASE I</b> <b>IRRIGATION DETAILS</b>									
Date: 01/29/2018 Sheet: 17 of 16 Drawing: IRR-2 PROJECT NO: 300.001									

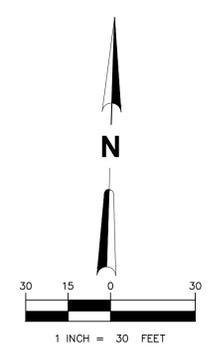


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Luminaire Schedule		Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens	BUG Rating	Total V
[Symbol]	[MANUFAC] Lithonia Lighting	8	SLA	SINGLE	DSX0 LED 40C 1000 50K T5W MVOLT RPA DDBXD; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY ALUMINUM POLE	1.000	138	13576	B4-U0-G2	1104
[Symbol]	Lithonia Lighting	6	SLB-HS	SINGLE	DSX0 LED 40C 1000 50K T3M MVOLT RPA HS DDBXD; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY ALUMINUM POLE	1.000	138	9748	B1-U0-G2	828
[Symbol]	Lithonia Lighting	1	SLC-HS	SINGLE	DSX0 LED 20C 1000 50K T2M MVOLT RPA HS; MOUNTED @ 14' AFG ON A ROUND TAPERED DIRECT BURY ALUMINUM POLE	1.000	72	5100	B1-U0-G2	72
[Symbol]	Lithonia Lighting	2	SLD	SINGLE	DSX0 LED 40C 1000 50K TFM MVOLT RPA DDBXD; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY ALUMINUM POLE	1.000	138	12950	B2-U0-G3	276

Calculation Summary		CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Label	GHGH	ILLUMINANCE	Fc	0.19	4.2	0.0	N.A.	N.A.
Parking Lot		ILLUMINANCE	Fc	2.12	3.0	1.1	1.93	2.73
Property Boundary		ILLUMINANCE	Fc	0.22	1.42	0.00	N.A.	N.A.



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

**Sunshine811.com**

**PROGRESS SET**

A PORTION OF THE NW 1/4 OF THE NE 1/4 OF SECTION 1-51-41  
OWNER: MEYERS, 5850 OAK STREET

A PORTION OF THE SW 1/4 OF THE NE 1/4 OF SECTION 1-51-41  
J W NEWMAN SURVEY OF THE EAST HALF OF TOWNSHIP 51 SOUTH, RANGE 41 EAST, PLAT BOOK 1, PAGE 118, DADE COUNTY RECORDS

A PORTION OF THE NW 1/4 OF THE NE 1/4 OF SECTION 1-51-41  
OWNER: MEYERS, 5850 OAK STREET

"SEMINOLE MEDIA PRODUCTIONS"  
OWNER: STOF HOLDINGS, LTD.  
F.F.E.=9.20'

DESIGNER: ACS	5	NO.	DATE	REVISION	BY
DRAWN BY: EDH, SZB	4				
CHECKER: CAB	3				
SCALE: AS SHOWN	2				
	1				

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Fax: (786) 497-2300

**CHEN-MOORE**  
& ASSOCIATES

**The Seminole Tribe of Florida**

SEMINOLE VILLAGE PHASE I  
PHOTOMETRICS PLAN

Date: 01/29/2018  
Sheet: 19 of 16  
Drawing: PHO-1  
PROJECT NO: 300.001

