

PLANNING DIVISION



2600 Hollywood Boulevard Room 315 Hollywood, FL 33022 File No. (internal use only):

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				
Date of Application: January 22, 2018				
Location Address: North 22nd Avenue & Evans Street, Hollywood				
Lot(s): ALL OF PARCEL "A" Block(s): Subdivision: Crispus Commons				
Folio Number(s):5142-04-18-0080				
Zoning Classification: <u>RM-9</u> Land Use Classification: <u>Low Density Multiple Fami</u> ly				
Existing Property Use: <u>Vacant</u> Sq Ft/Number of Units: <u>53,996 Sq. Ft.</u>				
Is the request the result of a violation notice? () Yes 💢 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): R-2016-214 and O-2017-06				
☐ Economic Roundtable ☐ Technical Advisory Committee ☐ Historic Preservation Board				
City Commission				
Explanation of Request: _To Development 12 Townhouse Units				
Number of units/rooms: 12 Townhouses Sq Ft: Average size 1547.88				
Value of Improvement: \$1,600,000.00 Estimated Date of Completion: Unknown at this time				
Will Project be Phased? () Yes 💢No If Phased, Estimated Completion of Each Phase				
N/A				
Name of Current Property Owner: Liberia Economic and Social Development Inc				
Address of Property Owner: 3220 N 24th Avenue, Hollywood, FL 33020				
Telephone: 954-924-3635 Fax: 954-924-3637 Email Address: h.graham38@yahoo.com				
Name of Consultant/Representative/Tenant (circle one): Broward Alliance for Neighborhood Development				
Address: 690 NE 13th Street, Ste 104, Fort Lauderdale Telephone: 954-581-9899				
Fax: 954-581-9881 Email Address: bdeese@bandflorida.org				
Date of Purchase: <u>August 6, 2008</u> 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: <u>Eula Gardner</u>				
Broward Alliance for Neighborhood Dev Address: 690 NF 13th Street, Ste 104, Fort Lauderdal Email Address: egardner@bandflorida.org				

PLANNING DIVISION



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2600 Hollywood Boulevard Room 315 Hollywood, FL 33022

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. 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: Herry Hocham	Date: 1-22.2613.
PRINT NAME: Henry Graham	Data: January 22, 2040
	Date: <u>January 22, 201</u> 8
Signature of Consultant/Representative: 1900 March 1900	Date: <u>.lanuary 22, 20</u> 18
PRINT NAME: Bonnye Deese	Date: 01/22/2018
Signature of Tenant:None	Date:
PRINT NAME: N/A	Date:
Current Owner Power of Attorney	
am the current owner of the described real property and that I am aware to my property, which is hereby r	nade by me or I am hereby authorizing
to be my legal representative before the _ Committee) relative to all matters concerning this application.	(Board and/or
Sworn to and subscribed before me	P
his day of	Signature of Current Owner
	(**************************************
Notary Public	Print Name
State of Florida	
My Commission Expires: (Check One) Personally known to me: OR	Produced Identification

Associates General Kinetics IIc

4920 N. Dixie Hwy., Oakland Pk , FL 33334

954-772-8345/5345/6629/3699m- Fx-7478 - Efx 888 584 8369 arpin2@bellsouth.net

Engineers - Inspectors - Design Builders - Balcony Rail Inspections

Don Arpin MS PE# 28585-1980

COA# 26073-2004

HI#1482-2012 CGC# 013698-1980

SINCE 1980

January 22, 2018

Planning & Development Board c/o Department of Development Services 2600 Hollywood Boulevard, 3rd Floor Hollywood, FL 33020

RE: Crispus Commons North of Evans St and West of 22nd Avenue

Dear Board Members,

Our firm is the design professional for the owner of the property. It is our hope that the City and the Planning and Development Board will support this application for the new development of 12 proposed townhouses. These new townhouses will enhance the property and surrounding neighborhood.

The Subject Property is located at the Northwest corner of Evans St and 22nd Avenue. It consists of 53,996 sq.ft. Each townhouse will have approximately 1,900 sq. ft. The parcel is designated "Low Density Multiple Family Residential" under the City's Comprehensive Plan and is within the RM-9 (Multiple Family Residential District). The subject Property is surrounded by single family residential and industrial development.

Criteria:

Design Components:

We feel that we have created a well thought out & exceptional design solution for this townhouse development. The Design is all about the consideration of aesthetics & functionality. The exterior reflects the interior uses with an inspirational yet residential aesthetic. The pedestrian is considered from all sides of the proposed design as well. Design elements are present on all facades with interesting materials, shapes & features.

2. Compatibility:

The existing neighborhood consists of single story and 2 story buildings along with commercial and industrial. This new development will comply with the existing single family and industrial neighborhood fabric as a 2 story, low scale, structure with a residential feel. A variety of window sizes and pedestrian pleasing details and elements are incorporated to connect the new project to the neighborhood.

3. Scale Massing:

This new structure is proportionate to the scale of the neighborhood in a variety of ways.

- (a). Height consistent with surrounding structures of 1 & 2 stories. Our project is 2 stories.
- **(b)**. Building Mass Our design reflects a simple rectangular composition with recognizable architectural elements and pleasing proportions in relation to length, width & height, lot coverage & its setting in context with the adjacent buildings. See the street context elevations profile on site plan
- (c). Details The design provides architectural details throughout the façade including vertical & horizontal elements on the building façade with similar fenestration in the privacy fencing. The railings are metal & glass. The façade is also articulated with elegant moldings enhancing the windows & doors. Other design details are included throughout the building.

4. Conclusion:

This new 12 unit development will help to improve the neighborhood and provide the needed living units for all the residents in the area. It is our goal to be good neighbors to those residents living adjacent to and near the Subject Property. We feel that the development of the site will improve the overall look of the neighborhood and hope that our plans for the area will encourage others to improve and purchase property in the neighborhood.

In closing, we believe that our plans demonstrate commitment to the neighborhood of Evans Street and 22nd Avenue and the City of Hollywood. We have worked hard to provide a plan that meets the City's development & design review criteria.

Thank you for your time and consideration.

Donald Arpin PE #28585 January 22, 2018





LANDSCAPE ARCHITECT CONSULTANTS, INC.

5215 West Broward Boulevard, Plantation, Fl, 33317 954-581-1110 fax 954-581-7118

January 23, 2018

Project name: Crispus Commons Attn: Design Review Criteria Process

City of Hollywood, Florida

Responses to Design Review Criteria

Comment #4

"Landscaping. Landscaped areas should contain a variety of native and other compatible plant types and forms, and be carefully integrated with existing buildings and paved areas. Existing mature trees and other significant plants on the site should be preserved."

RESPONSE: - There were no existing structures or native plants on this site, but primarily invasive BRAZILIAN PEPPER and CASTOR BEAN plants. By removing these invasive and other undesirable nonnative plants, the site allowed opportunity for native plants in the landscape design. The Landscape plan reflects a variety of native plants. In the northwest corner site, a storm water detention area was created. To prepare for a wet soil condition, native BALD CYPRESS (Taxodium distichum) was specified. They were grouped in close proximity to one another to create a dense wetland trees grove. LIVE OAK (Quercus virginiana) was also used as a buffer to tree from the public work facility to the north. And tree such as SOUTHERN MAGNOLIA (Magnolia grandiflora) and EAST PALATKA HOLLY (Ilex x attenuata 'East Palatka') add fragrance and color the landscape. Native shrubs like Dwarf Firebush, Lantana, Red Tip Cocoplum and Simpson's Stopper were used for color and to attract native wildlife.

Respectfully submitted,

Abdias Dalisma
Landscape Designer
ISA Certified Arborist
abdias@lacfl.com
Landscape Architect Consultants, Inc.



Location Map

SHEET INDEX	
Sheet #	Description
	General Application
	Ownership & Encumbrance Report
	Project Fact Sheet & Legal
	Description Criteria Statement
	Cover Sheet
	Certified Alta Survey
	Color Rendering, Street Profile, Color
	Photographs
C-1	Erosion & Sediment Control &
	Demolition Plan
C-2	Civil Plan
C-3	Details
C-4	Details
	Drainage Calculation Report

SHEET INDEX (continued)

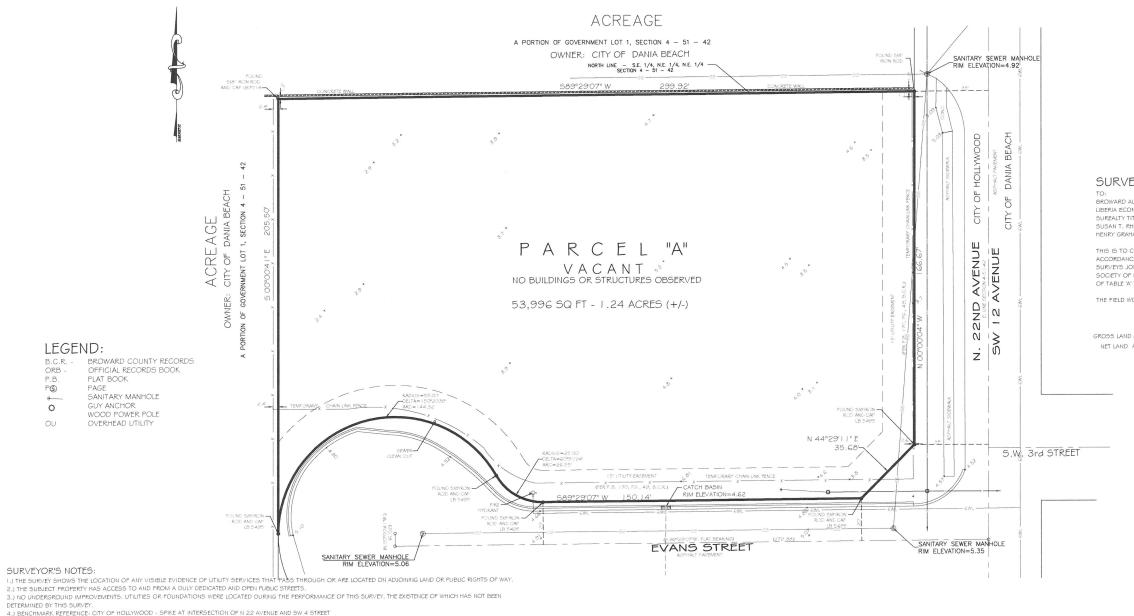
SHEET INDEX (CONTINUEU)	
Sheet #	Description
LP-2 of 1	Landscape Plan
LP-2 of 2	Landscape Notes & Details
IR-1 of 1	Irrigation Plan
IR-1 of 1	Irrigation Notes and Details
IR-3 of 3	Irrigation Details & Specifications
SP-1	Dimensioned Site Plan
A-1	Building 1 & 2, First and Second Floor
	Plans, Square Footage Breakdown
A-2	Building 1 & 2, Exterior Elevations
A-3	Building 3 thru 6, First and Second
	Floor Plans, Square Footage Breakdown
A-4	Building 3 thru 6, Exterior Elevations

Final TAC Comment Responses

TOWNHOMES AT CRISPUS COMMONS PHASE II



ALTAINSPS LAND TITLE SURVEY





LOCATION MAP (NOT TO SCALE)

SURVEYOR'S CERTIFICATE:

BROWARD ALLIANCE FOR NEIGHBORHOOD DEVELOPMENT. INC. LIBERIA ECONOMIC AND SOCIAL DEVELOPMENT, INC.
SURFALTY TITLE, INC.
SUSAN T. RHODES

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 ALTANISES LAND TITLE SURVEYS JOINTLY ESTABLISHED AND ADOPTED BY AMERICAN LAND TITLE ASSOCIATION (ALTA) AND NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS (NSPS) AND INCLUDES ITEMS 1, 2, 3, 4, 8, 11 (LIMITED), 13 AND 14

THE FIELD WORK WAS COMPLETED ON: OCTOBER 3, 2016

GROSS LAND AREA = 70.652 SQ. FT - 1.62 ACRES (+/-) NET LAND AREA = 53.996 SQ FT - 1,24 ACRES (+/-)

ENCUMBRANCE REPORT FILE NO. 2016-BANDCC DATED SEPT. 20, 2016 SUMMARY OF ENCUMBRANCES:

- I. TITLE OBTAINED BY WARRANTY DEED ORB 45613, PG. 1804, B.C.R.

 2. MORTGAGE - ORB 45613, PG. 1805, ORB 47295, PG. 1433

 ORB 48993, PG. 66.
 - - ORB 50120, PG. 1443 ORB 50997, PG. 1933
- 3. MORTGAGE ORB 45673, PG, 150,
- 4. NO JUDGEMENTS OR LIENS RECORDED 5. TAXES PAID FOR 2016 UNER FOLIO NO
- 514204-18-0080
 6. DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS, RECORDED
- JUNE 4, 2001 IN ORB 45673, PG. 155.
 7. 15 FOOT UTILITY EASEMENT THAT RUNS ALONG THE WEST, SOUTH AND EAST SIDES OF PARCEL A AS SHOWN ON THE PLAT OF CRISPUS COMMONS, PLAT BOOK 170, PG. 47. BROWARD COUNTY RECORDS.

NOTE: ALL OF THE ABOVE AFFECT THIS PROPERTY BUT ARE NOT GRAPHICALLY

DESCRIPTION:

ALL OF PARCEL 'A' OF "CRISPUS COMMONS", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 170, PAGE 49. OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. SAID LAND SITUATED, LYING AND BEING IN THE CITY OF HOLLYWOOD, BROWARD COUNTY, FLORIDA

ADDITIONAL NOTES. 1 THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT. EASEMENTS AND RIGHTS-OF-WAY PER RECORD PLAT HAVE BEEN SHOWN HEREON. NO FURTHER SEARCH FOR MATTERS OF RECORD HAS BEEN MADE BY THIS FIRM. 2) 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. 3) ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1986 NAVDRÓS. 4) NORTH ARROW RELATIVE TO ASSUMED NORTH ALONG THE CENTERLINE OF N. 22ND AVENUE. 5) ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSESTED THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSESTED THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSESTED THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSESTED THE SIGNING PARTY OR PARTIES.

ELEVATION = 5.00 (NORTH AMERICAN VERTICAL DATUM OF 1988 - NAVD88)
5.) THE SUBJECT PROPERTY LIES WITHIN SPECIAL FLOOD HAZARD AREA - ZONE AH - BASE FLOOD ELEV. = 6
FLOOD INSURANCE RATE MAP NO. 12011C0567 COMMUNITY NO. 125113 - CITY OF HOLLYWOOD

6.) BEARINGS SHOWN BASED ON THE PLAT OF CRISPUS COMMONS. BEING AN ASSUMED MERIDIAN OF NO0 0 04'51" W ALONG THE CENTERLINE OF NORTH 22AVENUE AND THE EAST LINE OF SECTION 4-51-42.

ALONG THE CENTERLINE OF NORTH 22AVENUE AND THE EAST LINE OF SECTION 4-51-42.

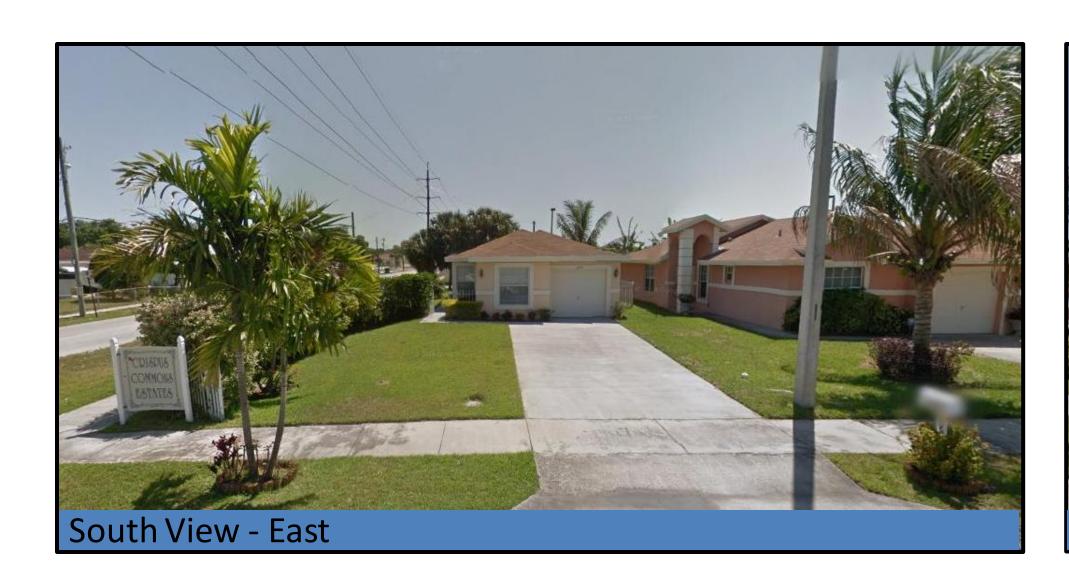
7.) THIS SURVEY REFLECTS OBSERVED EVIDENCE OF UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED. EXCAVATION OR A PRIVATE UTILITY LOCATE REQUEST MAY BE NECESSARY.

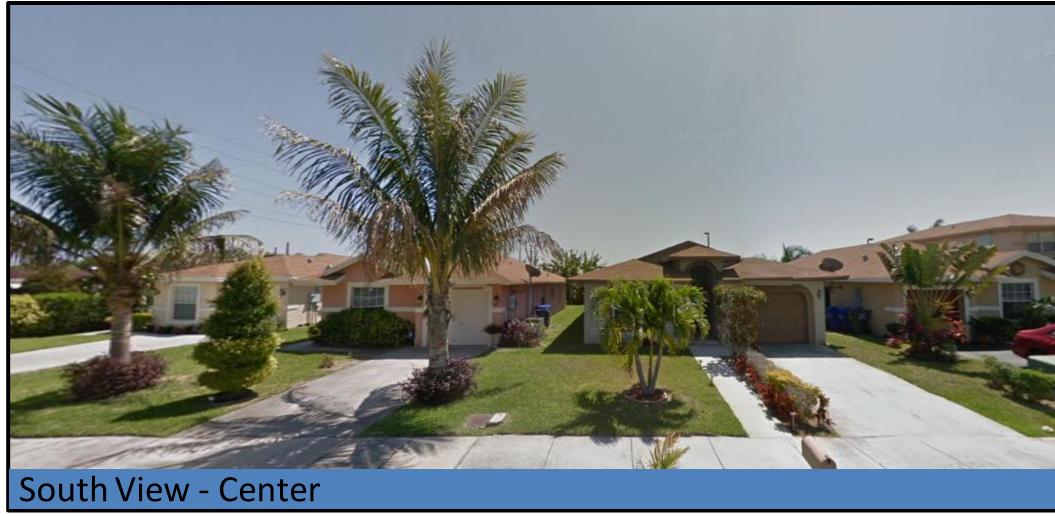
8.) NO WETLANDS WERE OBSERVED AND NO WETLAND MARKERS WERE SET BY QUALIFIED SPECIALIST.

					1/1
FEMA FLOOD INSURANCE RATE MAP COMMUNITY	REVISION	DATE	BY	SKETCH OF	To the
CITY OF HOLLYWOOD NO.	UPDATE ALTA NSPS SURVEY	0/03/16	SKS	7/1/100	0
BROWARD COUNTY, FLORIDA 125113 PANEL FIRM BASE					SEELEY, FOR THE FIRM
NO. SUFFIX ZONE DATE ELEV.					AL SURVEYOR & MAPPER DISTRATION NO. 4574
0567 H AH 08/18/14 6				SCALE: I"= 20' FILE No.: PARCEL A CHECKED BY: SKS FLORIDA REC	SISTRATION NO. 4574
				NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED S	BURVEYOR AND MAPPER

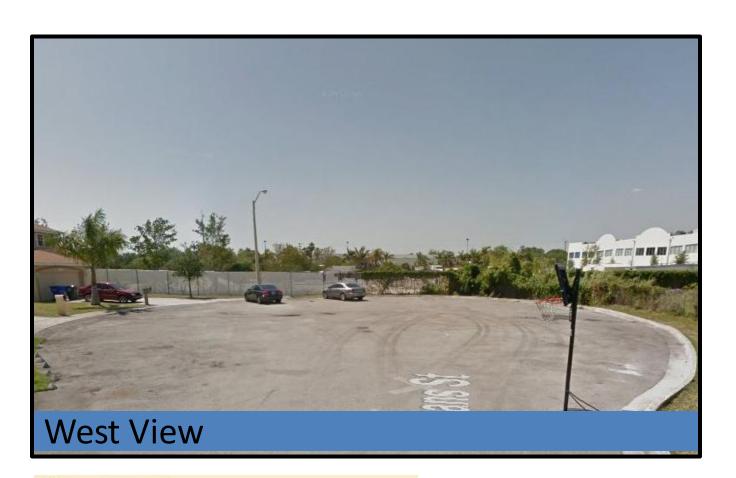
GIBBS LAND SURVEYORS

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







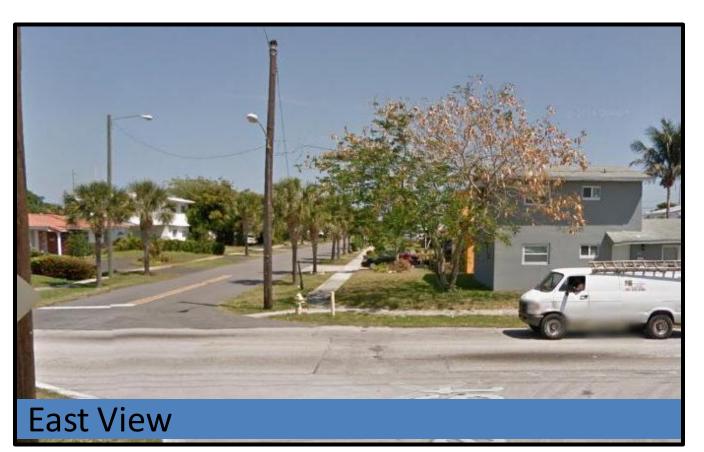


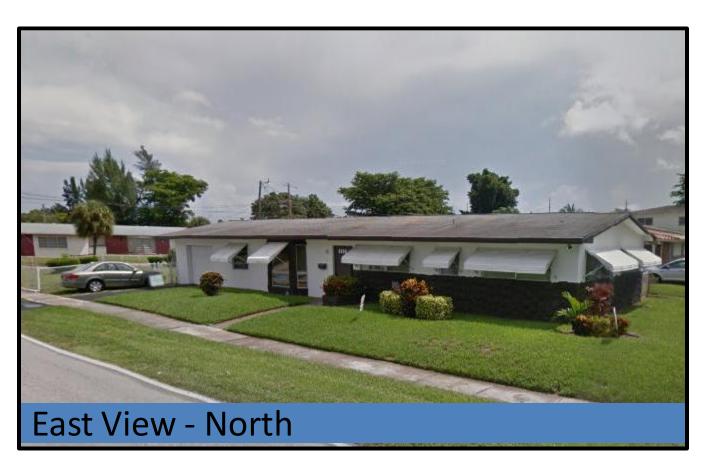
Filtered Sunlight 2154-60

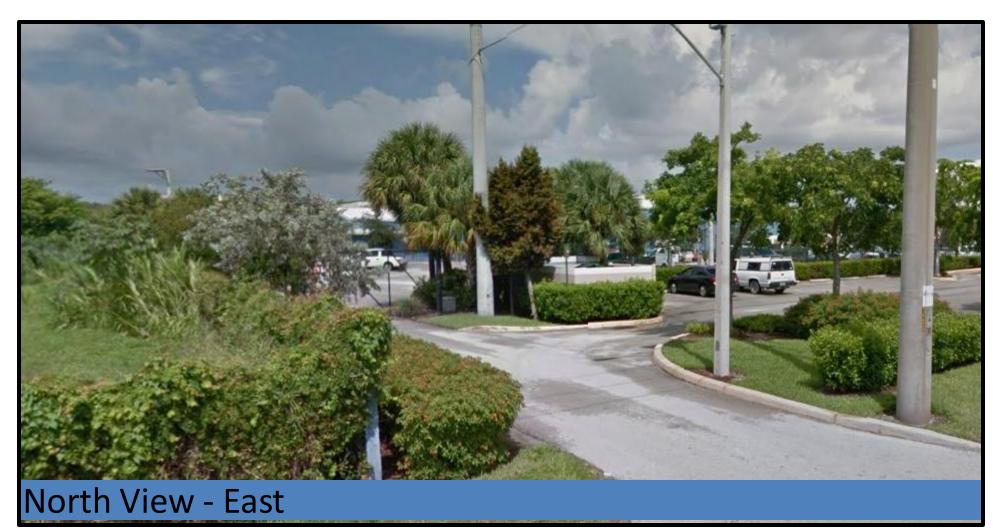
Linen Sand 2151-60

Hazelnut Crean

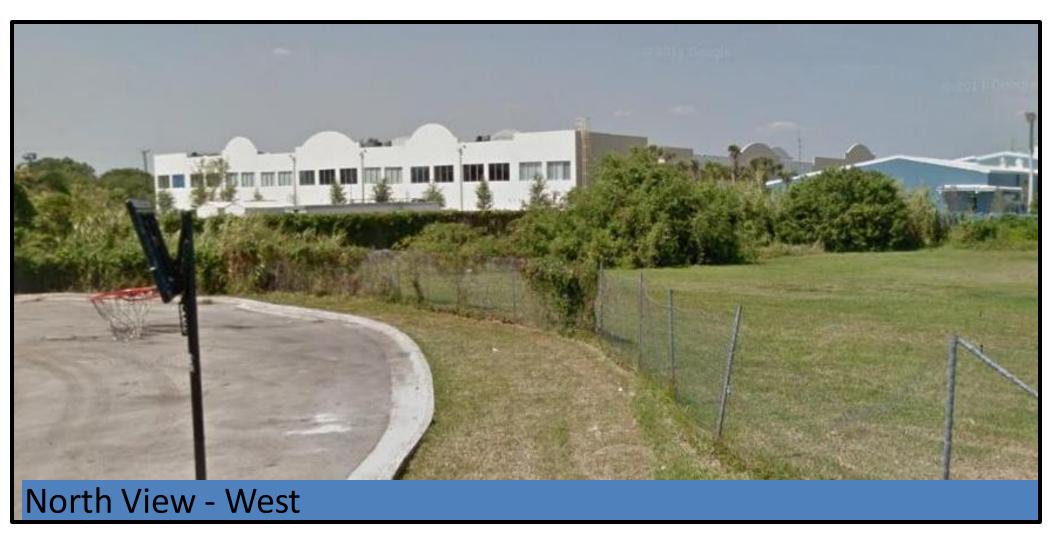


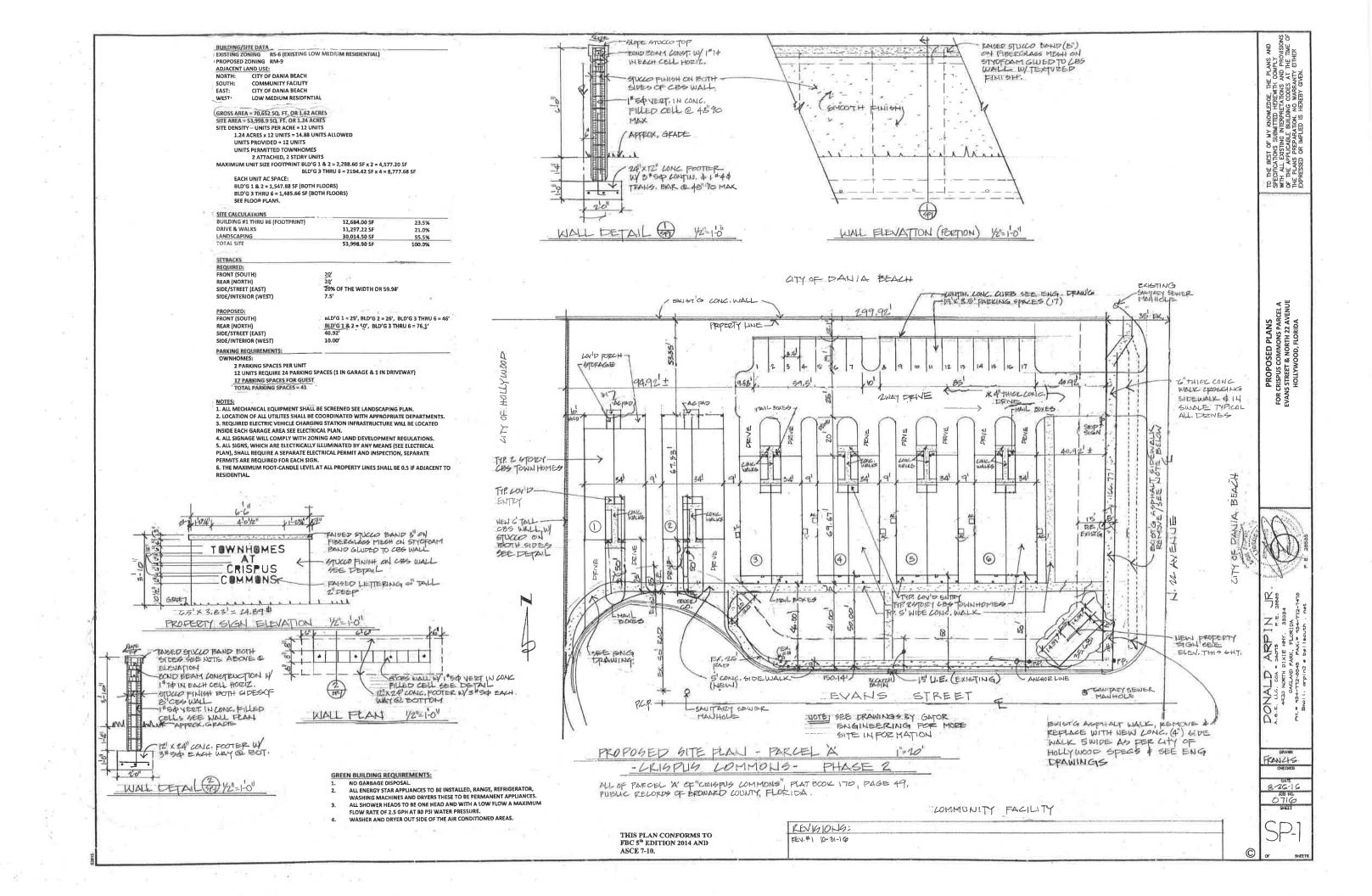








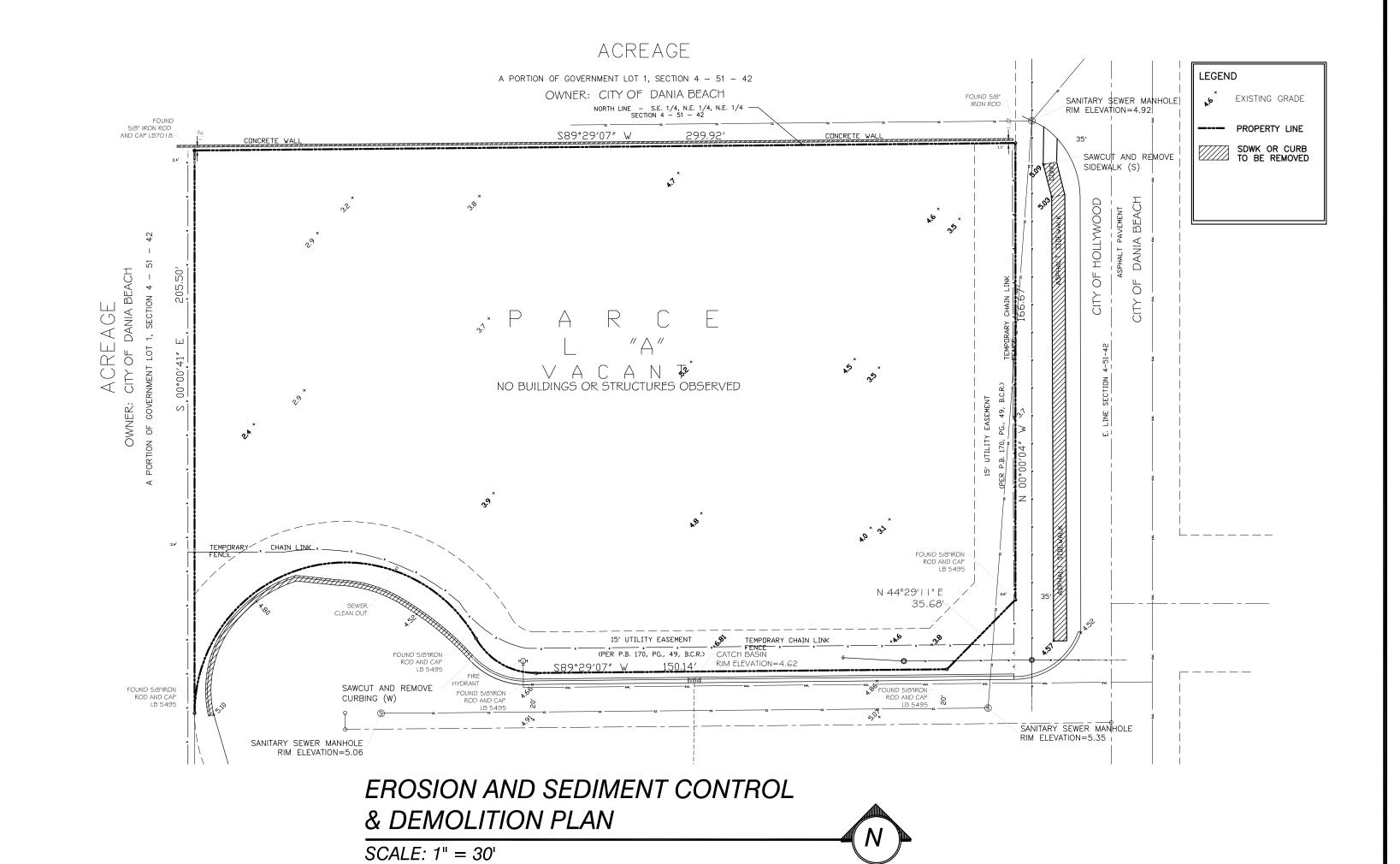


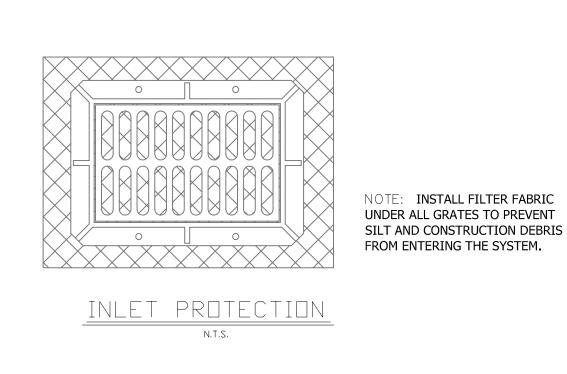


- 1. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND APPLICABLE WATER MANAGEMENT DISTRICT PERMIT(S) FOR THIS PROJECT.
- 2. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWERS MANUAL" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (FDER).
- 3. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT CONTROL MEASURES REQUIRED FOR THTS PROJECT THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
- 4. ALL EXCAVATIONS AND EARTHWORK SHALL BE DONE IN A MANNER TO MINIMIZE WATER TURBIDITY AND POLLUTION. DISCHARGE SHALL BE CONTROLLED AND REROUTED THROUGH FILTERS, SILTATION DIAPERS AND SUMPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION, CORRECTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION IN ACCORDANCE WITH CHAPTER 62-302, FLORIDA ADMINISTRATIVE CODE.
- 5. THE CONTRACTOR SHALL PAY FOR ANY WATER QUALITY CONTROL VIOLATIONS FROM ANY AGENCY THAT RESULTS IN FINES BEING ASSESSED TO THE OWNER BECAUSE OF THE CONTRACTOR'S FAILURE TO ELIMINATE TURBID RUNOFF FROM LEAVING THE SITE AND RAISING BACKGROUND LEVELS ABOVE EXISTING BACKGROUND LEVEL.
- 6. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABLIZED.
- 7. ADDITIONAL PROTECTION ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DO TO UNFORSEEN CONDITIONS OR ACCIDENTS.
- 8. SILT FENCES SHALL BE USED ALONG THE PROPERTY LINES TO MINIMIZE OFFSITE SILTATION MITGRATION.
- 9. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEASE DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- 10. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 11. FILER FABRIC SHALL BE INSTALL UNDER INLET GRATES AND EXTEND A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. IF MORE THAN ONE STRIP OF FABRIC IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED 1 FOOT.
- 12. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL AND AS NEEDED.
- 13. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
- 14. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE APPLICABLE WATER MANAGEMENT DISTRICT.
- 15. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMAMENT VEGETATIVE COVER IS ESTABLISHED.
- 16. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
- 17. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER BARRIER ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFROM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- 18. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
- 19. ALL DEATERING, EROSION, AND SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL AFTER COMPLETION OF CONSTRUCTION AND SHALL BE REMOVED WHEN AREAS HAVE BEEN STABILIZED.

DEMOLITION NOTES

- 1. CLEAR AND GRUB SITE AS MAY BE REQUIRED AND REMOVE ITEMS AS INDICATED ON THE PLANS FOR DEMOLITION.
- 2. ALL REMOVED MATERIAL ARE THE PROPERTY OF THE CONSTRACTOR AND SHALL BE PROPERLY DISPOSED OF AS SOON AS POSSIBLE.
- 3. CONTRACTOR IS TO MAINTAIN A CLEAN SITE AT ALL TIMES.





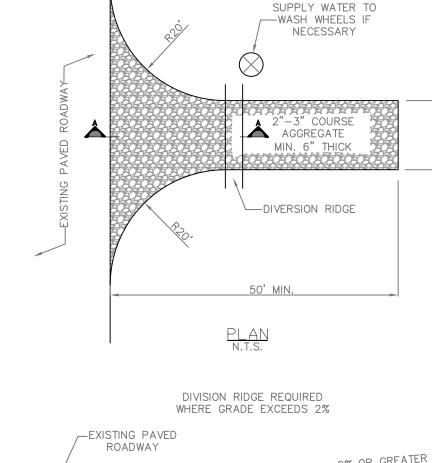
NO ENTRY

NO STORAGE

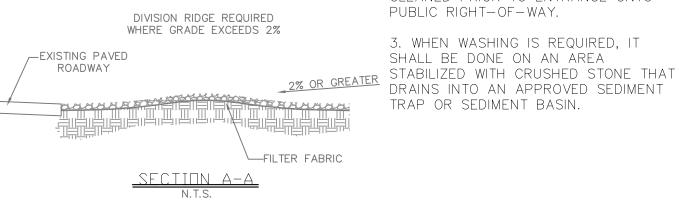
TREE PRESERVATION

BARRICADE OF ORANGE

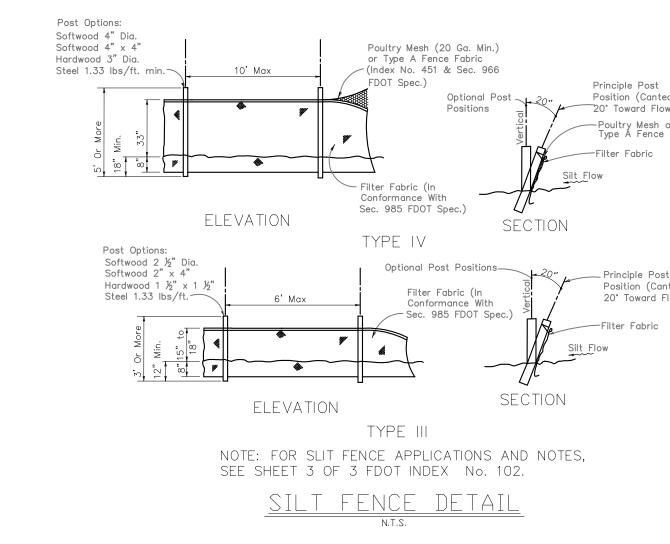
"TENSOR" HIGH VISIBILITY

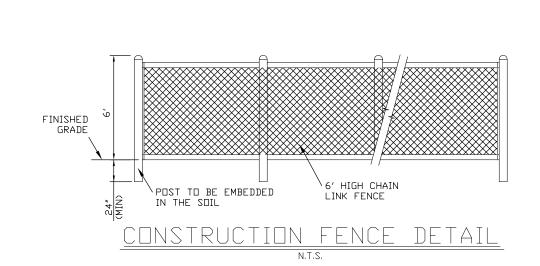


1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. 3. WHEN WASHING IS REQUIRED, IT



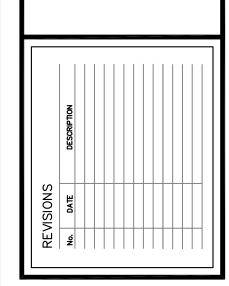
TEMPORARY GRAVEL CONTRUCTION ENTRANCE



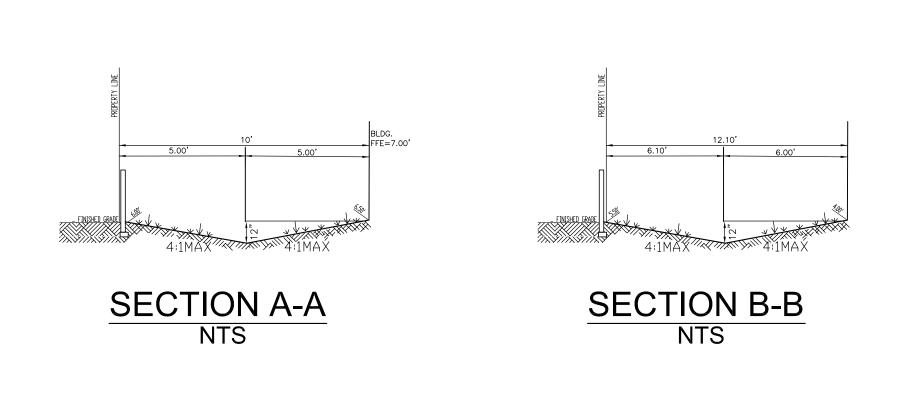


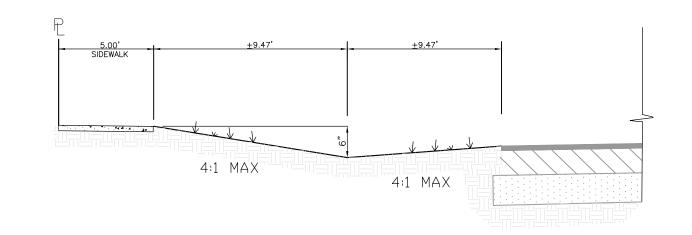


STRE HOL CRISI VANS

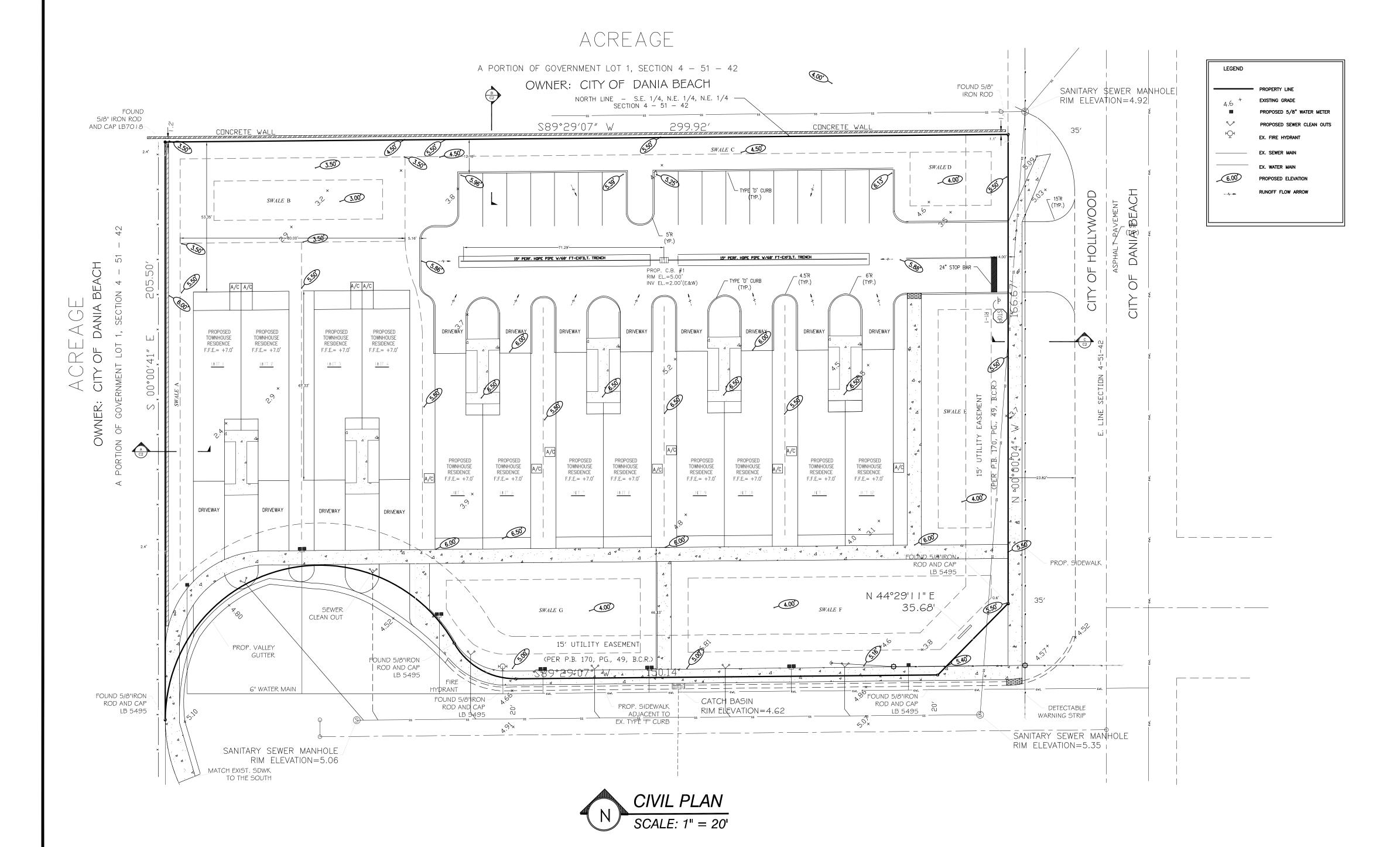


GEA PROJECT NO. : 16074 DATE: 12-05-2016 SCALE: AS SHOWN DESIGNEG BY: R.B.J. DRAWN BY : L.B. CHECKED BY : R.B.J APPROVED BY: R.B.J SHEET TITLE EROSION AND SEDIMENT CONTROL & DEMOLITION PLAN





SECTION C-C



LEGAL DESCRIPTION

ALL OF PARCEL "A" OF CRISPUS COMMONS, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 170, PAGES 49 AND 141, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

GENERAL NOTES:

- 1. BASE SURVEY WAS PROVIDED BY GIBBS LAND SURVEYORS.
- 2. ELEVATIONS SHOWN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.).
- 3. HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED BY THE CONTRACTOR'S SURVEYOR. LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. IT IS THE INTENT OF THESE DRAWINGS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER AND OWNER REPRESENTATIVE.
- 5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES VERIFIED AND LOCATED PRIOR TO THE START OF CONSTRUCTION. ALL TRENCH EXCAVATION SHALL PROCEED WITH EXTREME CAUTION. IN THE EVENT THAT EXISTING UTILITIES ARE DAMAGED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE SUCH DAMAGES.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ANY DISTURBED EXISTING MANHOLES, VALVE BOXES, BLOW— OFF RISERS OR ANY OTHER POINT OF ACCESSIBILITY TO UTILITIES, AND TO MATCH ASPHALT GRADES, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON THE DRAWINGS OR NOT.
- 7. TO AVOID MISUNDERSTANDING AND TO INSURE COMPLIANCE WITH SPECIFICATIONS, BEFORE PURCHASING MATERIALS OR EQUIPMENT FOR HIS WORK, THE CONTRACTOR SHALL FURNISH AT LEAST FOUR COPIES OF SHOP DRAWINGS OR ILLUSTRATION SHEETS FOR APPROVAL BY THE ENGINEER. THE APPROVAL OF SHOP OR WORKING DRAWINGS BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRONEOUS OR INCONSISTENT DIMENSIONS, NOTATIONS, OMISSIONS OR OTHER ERRORS, OR FOR THE PROPER FUNCTIONING OF THE COMPLETE INSTALLATION.
- 8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL GIVE TIMELY NOTIFICATION TO ALL UTILITY COMPANIES WITH FACILITIES IN THE AREA.
- 9. THE LOCATION OF EXISTING FACILITIES WERE PLOTTED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES, UTILITIES, AND SURVEY MAKERS.
- 11. CONTRACTOR SHALL COORDINATE THIS PLAN WITH THE PLUMBING AND LANDSCAPE PLANS.
- 12. ALL ROAD CUTS FOR UTILITIES OR CURB CUTS WITHIN IN THE CITY RIGHT—OF —WAY SHALL BE RESTORED TO FULL LANE WIDTH FOR 20 FEET.

SPECIFIC NOTES:

- 1. DRAINAGE SYSTEM SHALL BE INSTALLED AS DETAILED.
- 2. ALL AC PAD SHALL BE CONSTRUCTED AT EL=7.00'.
- 3. CONSTRACTOR IS TO ENSURE FLOW TO THE DRAINAGE STRUCTURE.
- 4. PAVEMENT MARKINGS SHALL BE FDOT REFLECTIVE PAINT EXCEPT AT ENTRANCE WHERE IT SHALL BE THERMOPLASTIC.

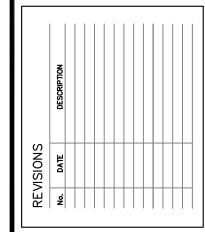
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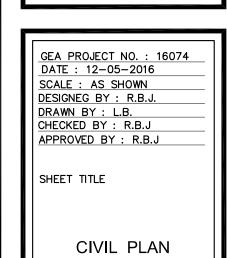
DRIVES & WALKWAYS 11,297.22 SQ FT 20.92 % GREEN AREA 30,014.50 SQ FT 55.59 % TOTAL AREA 53,996.00 SQ FT 100.00 %
57.000.00.00 FT 100.00 %
TOTAL AREA 53,996.00 SQ FT 100.00 %
TOTAL PERVIOUS AREA 30,014.50 SQ FT 55.59 %
TOTAL IMPERVIOUS AREA 23,981.50 SQ FT 44.41 %



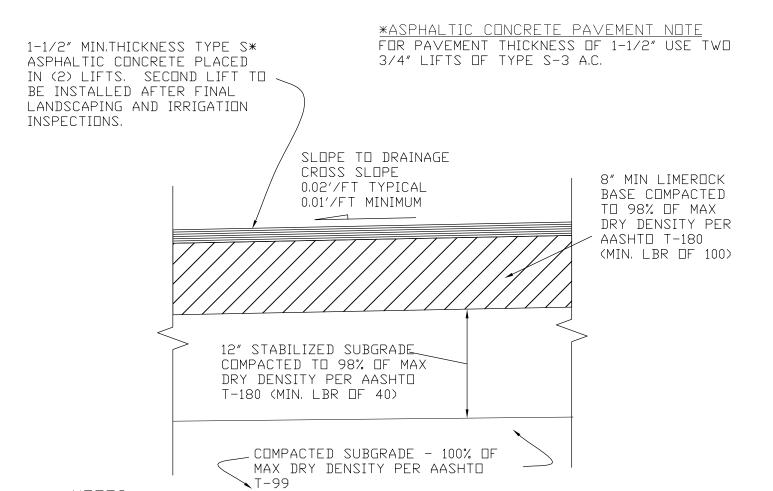
DATE: REGINA BOBO-JACKSON, FL P.E. NO.: 38550

CRISPUS COMMONS TOWNHOMES EVANS STREET & NORTH 22ND AVEN HOLLYWOOD, FLORIDA





C2 of 4

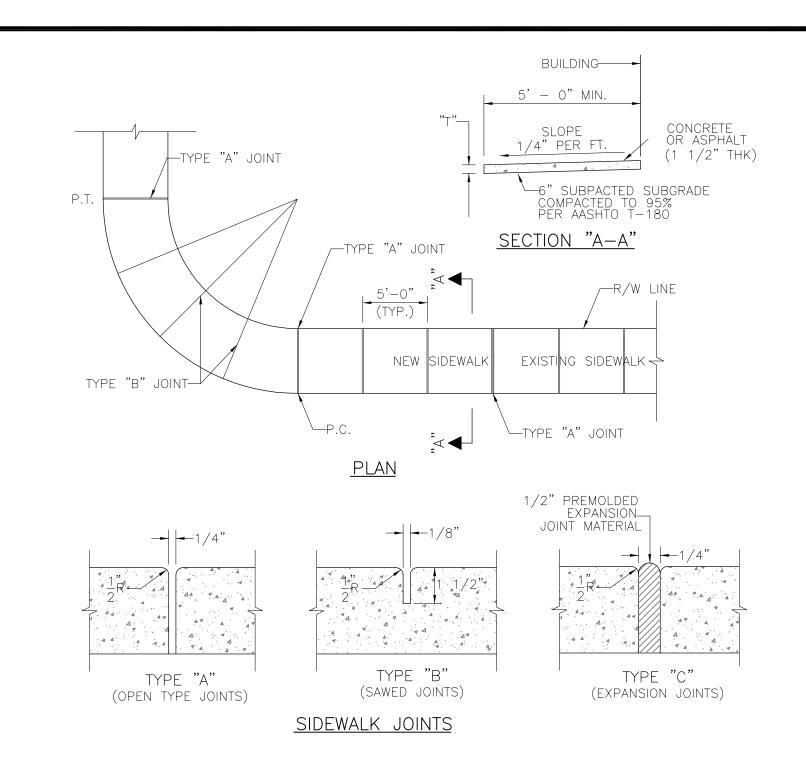


- NOTES:

 1. STABILIZED SUBGRADE SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO (LBR) OF 40 AND IS REQUIRED FOR ALL NEW PAVEMENT CONSTRUCTION. ALL STABILIZED SUBGRADE SHALL BE STRING LINED FOR GRADE AND PASS ALL REQUIRED DENSITY TESTING PRIOR TO PLACEMENT OF LIMEROCK BASE. AREAS BELOW DESIGN GRADE MAY BE CORRECTED BY PLACEMENT OF ADDITIONAL LIMEROCK MATERIAL. AREAS ABOVE DESIGN GRADE MUST BE CORRECTED AND REINSPECTED PRIOR TO LIMEROCK PLACEMENT.
- 2. LIMEROCK BASE FOR ROADWAYS AND PARKING LOTS SHALL BE A MINIMUM OF 70% CARBONATES OF CALCIUM AND MAGNESIUM. BASE THICKNESS GREATER THAN 8% SHALL BE PLACED IN EQUAL LIFTS NOT EXCEEDING 6%.
- 3. PRIME COAT SHALL BE APPLIED TO ALL FINISHED LIMEROCK BASE SURFACES AFTER BOARDING AND DENSITY INSPECTIONS. APPLICATION RATES AND MATERIALS SHALL BE IN ACCORDANCE WITH FOOT SPECIFICATIONS.
- 4. TACK COAT SHALL BE PLACED AS REQUIRED ON EXISTING ASPHALT SURFACES BEFORE APPLICATION OF AN OVERBUILD LAYER AND TO NEW SURFACES BETWEEN LIFTS, APPLICATION RATES AND MATERIALS SHALL BE IN ACCORDANCE WITH FOOT SPECIFICATIONS.
- 5. FINAL PAVEMENT LIFT CANNOT BE PLACED UNTIL ALL PROJECT LANDSCAPING IS IN PLACE AND THE IRRIGATION SYSTEM IS INSTALLED AND APPROVED.

ASPHALTIC CONCRETE PAVEMENT DETAIL

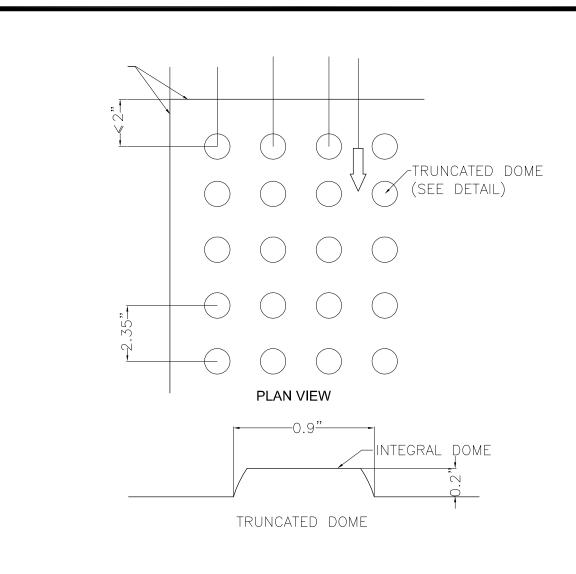
NOT TO SCALE

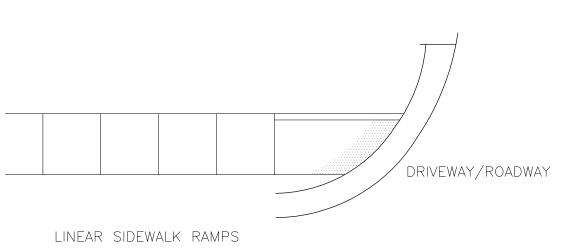


TAE	BLE OF SIDEWALK JOINTS			
TYPE	LOCATION			
"A"	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALKS			
"B"	5' — 0" CENTER TO CENTER ON SIDEWALKS.			
"C"	WHERE SIDEWALKS ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.			

TABLE OF SIDEWALK THICKNESS — "T"		
LOCATION	"⊤"	
RESIDENTIAL AREAS	4"	
AT DRIVEWAYS AND OTHER AREAS	6"	
NOTE: * AT THE DISCRETION OF ENGINEER.		

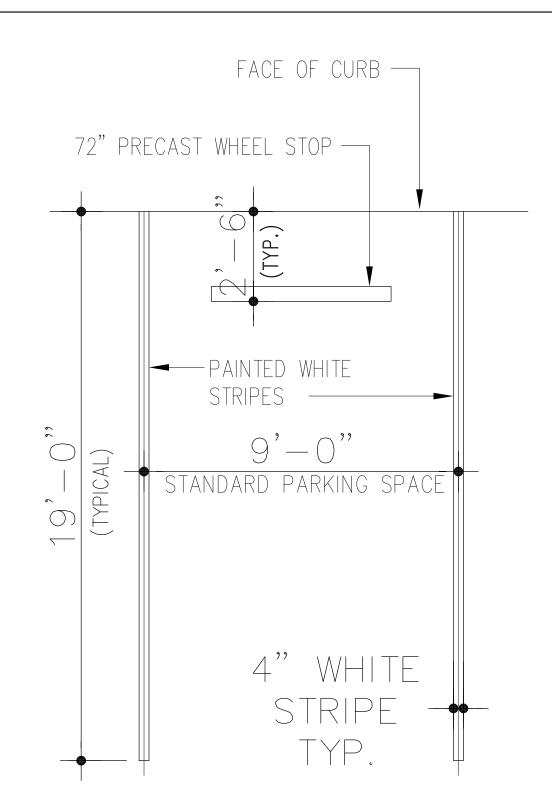
SIDEWALK CONSTRUCTION

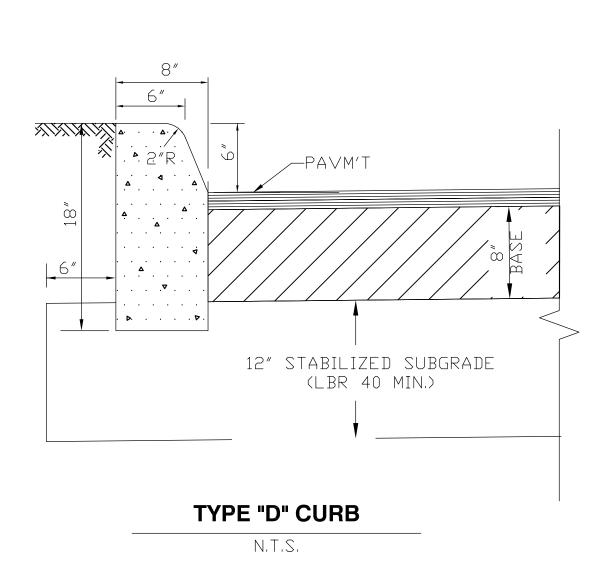




ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTENDS THE FULL WIDTH OF THE RAMP AND THE DIRECTION OF TRAVEL 36 INCHES FROM THE BACK OF CURB, PER BROWARD COUNTY BUILDING CODE.

CURB RAMP DETECTABLE WARNING



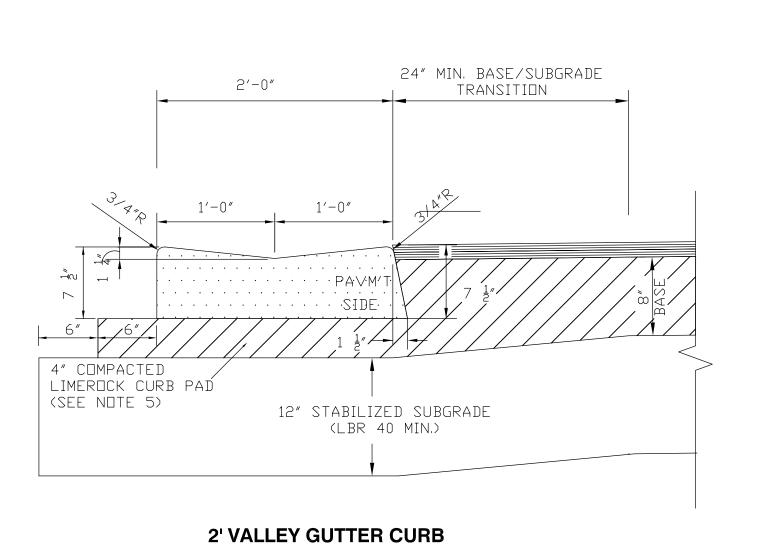


CURB NOTES:

- 1. PROVIDE 1/4" WIDE CONTRACTION JOINT A MINIMUM OF 1-1/2" DEEP AND AT 10' SPACING MAXIMUM FOR ALL CURBS.
- 2. CONCRETE SHALL BE 3000 P.S.I. MIN. @ 28 DAYS.
- 3. TYPE "D" CURB FOR PARKING LOTS MAY BE INSTALLED AS "TRENCHED" D CURB WITH EXTRUDED TOP AT THE CONTRACTOR'S OPTION. TRENCHED CURB REQUIRES CITY TRENCH INSPECTION AND APPROVAL. EXTRUDED CURB MUST BE PLACED WITHIN 15 MINUTES OF PLACEMENT OF TRENCH CONCRETE. EXTRUDED CURB AND TRENCH CONCRETE SHALL BE MONOLITHIC.

TYPE "D" CURB DETAILS

NOT TO SCALE



CLIDD NITTES

CURB NUILS:

1. PROVIDE 1/4" WIDE CONTRACTION JOINT A MINIMUM OF 1-1/2" DEEP AND AT 10'

SPACING MAXIMUM FOR ALL CURBS.

N.T.S.

- 2. CONCRETE SHALL BE 3000 P.S.I. MIN. @ 28 DAYS.
- 3. FOR COMMUNITY DEVELOPMENT DEPARTMENT CAPITAL PROJECT DIVISION PROJECTS COST OF CURB PAD TO BE INCLUDED IN COST OF CURB.
- 4. SEE PAVEMENT MINIMUM PAVEMENT DESIGN SECTION FOR COMPACTION REQUIREMENTS.
- 5. COMPACT CURB PAD TO A DENSITY OF 98% OF AASHTO T-180 SPECIFICATION.

VALLEY GUTTER CURB DETAILS

NOT TO SCALE

CRISPUS COMMONS TOWNHOMES VANS STREET & NORTH 22ND AVENUE HOLLYWOOD, FLORIDA

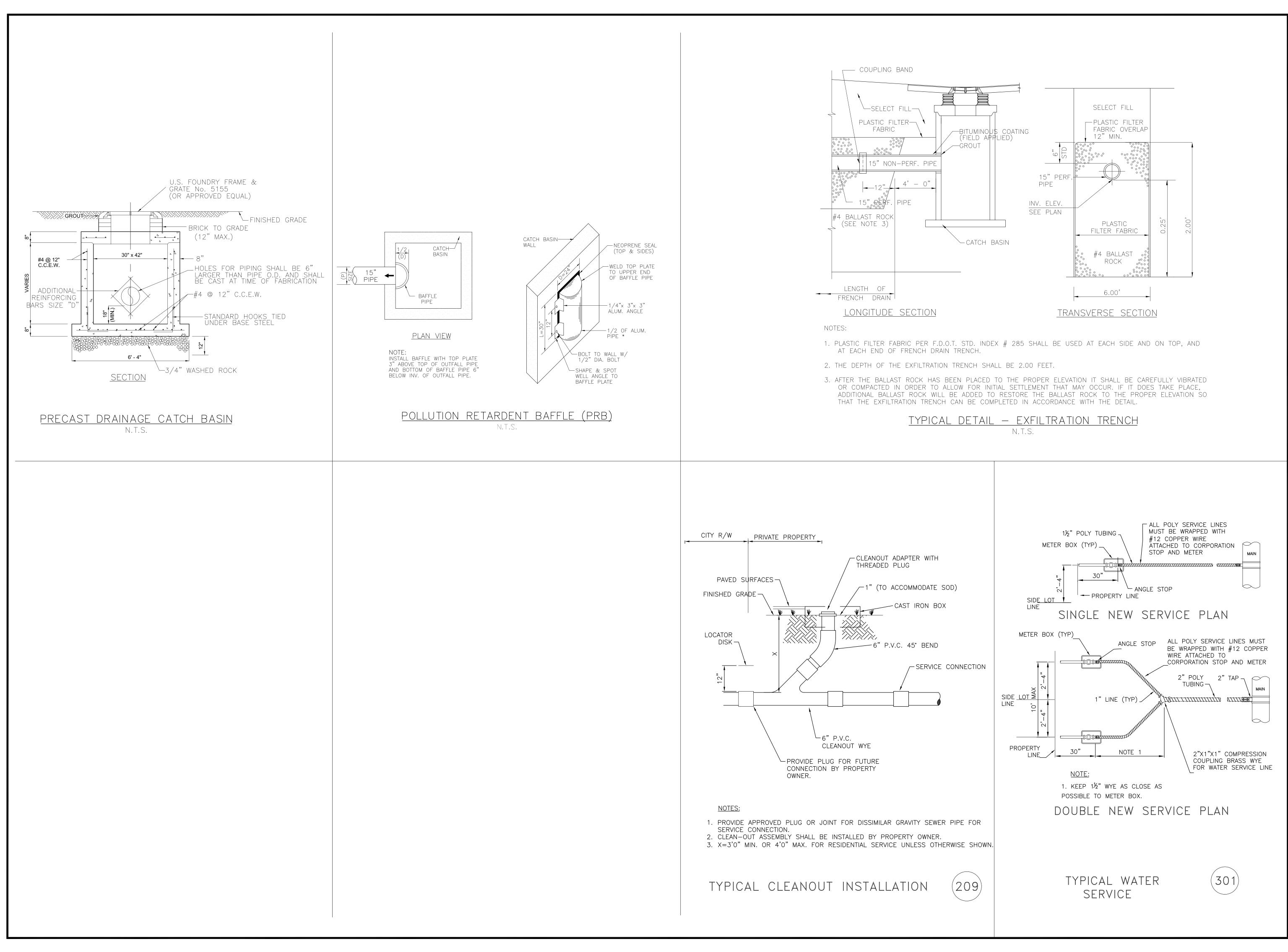
GEA PROJECT NO.: 16074
DATE: 12-05-2016
SCALE: AS SHOWN
DESIGNEG BY: R.B.J.
DRAWN BY: L.B.
CHECKED BY: R.B.J
APPROVED BY: R.B.J
SHEET TITLE

DETAILS

C3 of 4

PARKING STALL DETAIL

NOT TO SCALE



GATOR ENGINEERING
ASSOCIATES, INC.
11390 TEMPLE STREET
COOPER CITY, FL 33330
TEL: (954) 434-5905 FAX: (954) 434 -5904
CERTIFICATE OF AUTHORIZATION NUMBER 30230

DATE: REGINA BOBO—JACKSON, P.E. FL P.E. NO.: 38550

CRISPUS COMMONS TOWNHOMES EVANS STREET & NORTH 22ND AVENUI HOLLYWOOD, FLORIDA

REVISIONS

No. DATE DESCRIPTION

GEA PROJECT NO.: 16074

DATE: 12-05-2016

SCALE: AS SHOWN

DESIGNEG BY: R.B.J.

DRAWN BY: L.B.

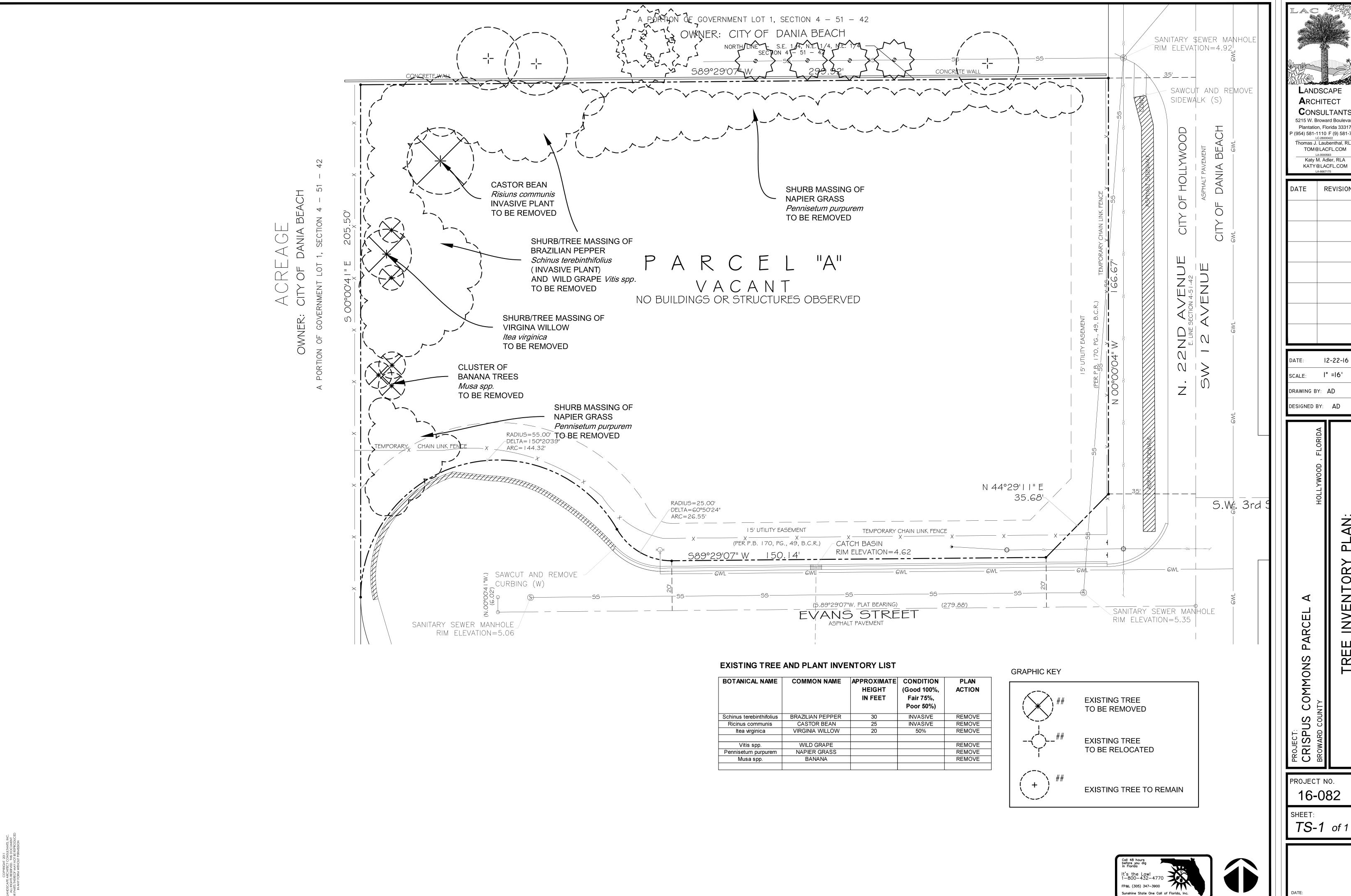
CHECKED BY: R.B.J

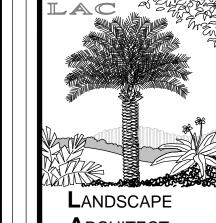
APPROVED BY: R.B.J

SHEET TITLE

DETAILS

C4 OF 4





ARCHITECT CONSULTANTS 5215 W. Broward Boulevard Plantation, Florida 33317 P (954) 581-1110 F (9) 581-711 Thomas J. Laubenthal, RLA TOM@LACFL.COM

DATE REVISIONS:

12-22-16 l" =16' DRAWING BY: AD

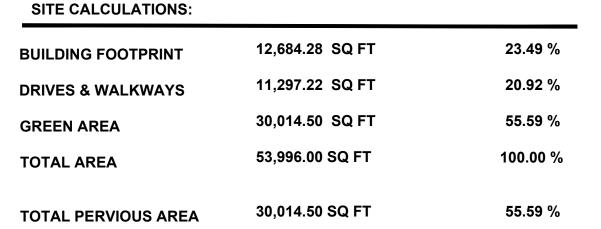
DESIGNED BY: AD

OR

PARCEL COMMONS

PROJECT NO. 16-082

TS-1 of 1



23,981.50 SQ FT

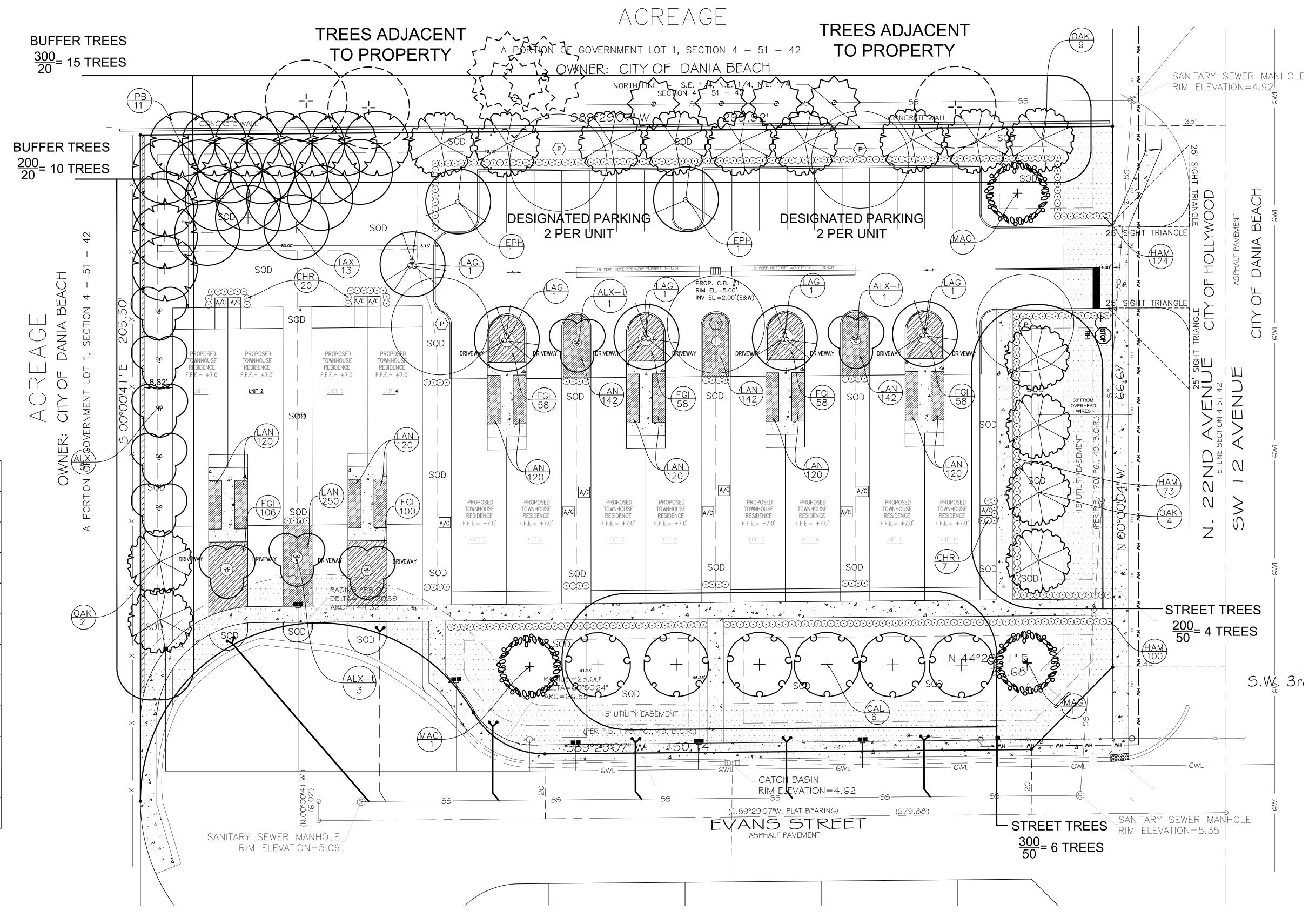
44.41 %

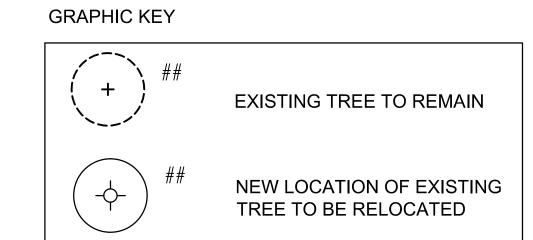
LANDSCAPE CODES FOR CITY OF HOLLYWOOD

TOTAL IMPERVIOUS AREA

ZONE: RS-6 SINGLE FAMILY DISTRICT	REQUIRED	TOTAL PROVIDED
PERIMETER LANDSCAPE & BUFFERS ONE 1 STREET TREE PER 50 LINEAR FEET OR PORTION THEREOF, OF STREET FRONTAGE OF PROPERTY WHEREIN SAID IMPROVEMENTS ARE PROPOSED.	YES	IO TREES
OPEN SPACE ONE TREE PER 1,000 SQ. FT. (INCLUDING ANY FRACTION) OF FRONT YARD AREA. PERVIOUS AREAS ARE TO BE SODDED OR LANDSCAPED WITH LIVING PLANT MATERIAL	YES	30 TREES
PERIMETER BUFFER 1 TREE PER 20LF OF PERIMETER BUFFER	YES	25TREES
VIEW TRIANGLE FOR CORNER LOTS, A SIGHT DISTANCE TRIANGLE MUST BE PROVIDED	YES	YES
VEHICULAR USE AREA 25% OF THE V.U.A IS LANDSCAPED	YES	YES
IRRIGATION PROVIDE 100% IRRIGATION COVERAGE OF AN AUTOMATIC SPRINKLER SYSTEM DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HOLLYWOOD CODE REGULATIONS OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.	YES	YES

FGI	Ficus microcarpa 'Green Island' Green Island Ficus	18" Ht X 18" Spr. 18" O.C. sp.	450
CHR	Chrysobalanus icaco "Red Tip" Red Tip Cocoplum	24" Ht X 24" Spr. 24" O.C. sp.	27
LAN	Lantana camera Lantana	6" Ht X 10" Spr. Full 1 Gal. 12" OC spacing	970
HAM	Hamelia patens 'Compacta' Dwarf Firebush	24" ht x20" spr 24" O. C. Spacing	333
CAL	Callophyllum antillanum / brasiliense Brazilian Beauty Leaf	12'ht.x 6' Spr. 6' CT, 3" caliper	6
ALX-t	Ptychosperma elegans Triple Alexander / Solitaire Palm	10'-12' CW staggered heights	10
LAG	Lagerstroemia indica "Natchez" Natchez White Crape Myrtle	12' ht.x 6' Spr 6' CT, 5 trunks min. 1.5" cal. per trunk	5
РВ	Persea borbonia Red Bay	10' O.C. spacing 3 GAL	11
ЕРН	llex x attenuata 'East Palatka' East Palatka Holly (shade tree)	12'ht. x 6'spr., 3" caliper Full to Base	2
MAG	Magnolia grandiflora Southern Magnolia	12' ht.x 6' Spr. 5' CT, 3" caliper	3
OAK	Quercus virginiana Live Oak	14' ht.x 8' Spr. 6' CT, 3" caliper (ROOT GROWERS PLUS)	13
TAX	Taxodium distichum Bald Cypress	12'-14' ht.x 6'-8' Spr. 6' CT, 3" cal DBH	13







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Sunshine State One Call of Florida, Inc.

LANDSCAPE ARCHITECT

P (954) 581-1110 F (9) 581-7118

LC-26000422
Thomas J. Laubenthal, RLA
TOM@LACFL.COM

LA-0000563
Katy M. Adler, RLA
KATY@LACFL.COM

LA-6667175

DATE

REVISIONS:

CONSULTANTS

Plantation, Florida 33317

DATE: |2-22-16 SCALE: |" = |6' DRAWING BY: AD

DESIGNED BY: AD

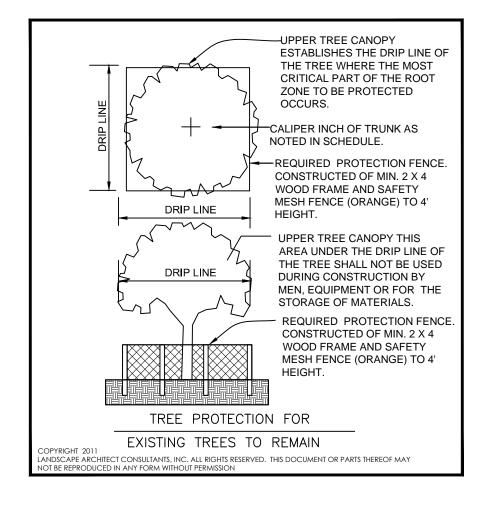
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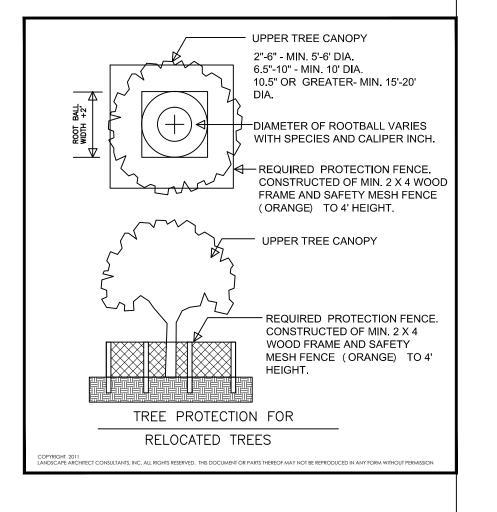
CRISPUS COMMONS
BROWARD COUNTY

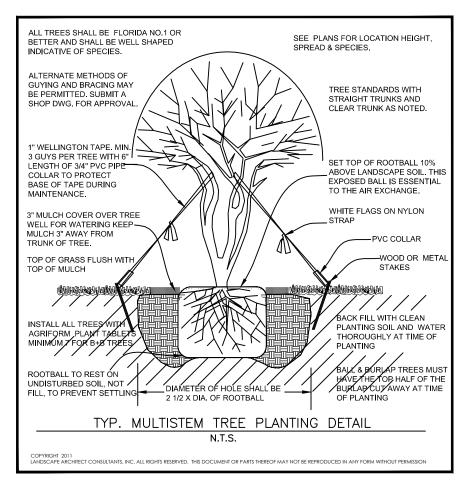
PARCEL

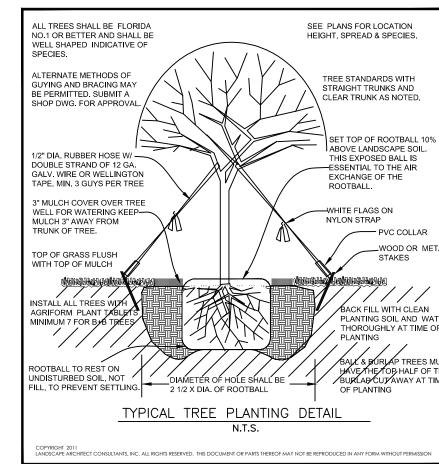
PROJECT NO. 16-082

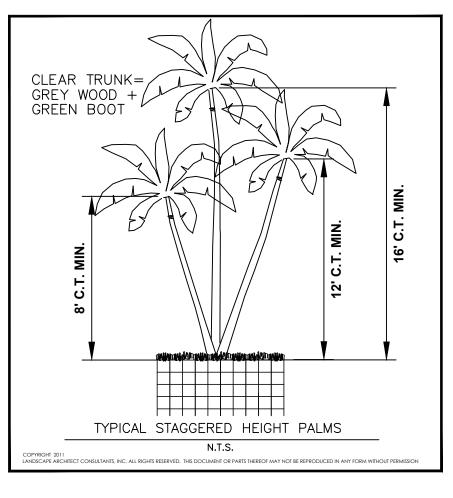
SHEET: **LP-2** of 1

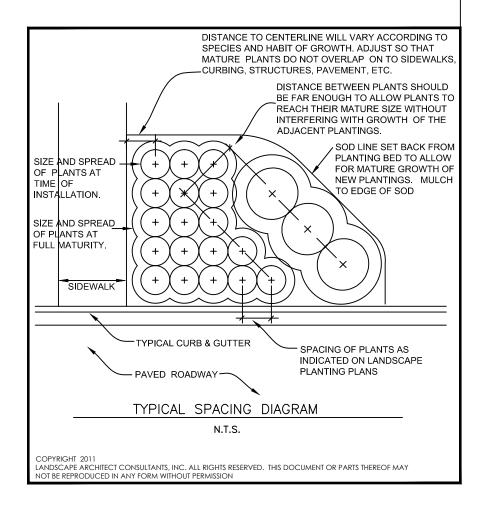


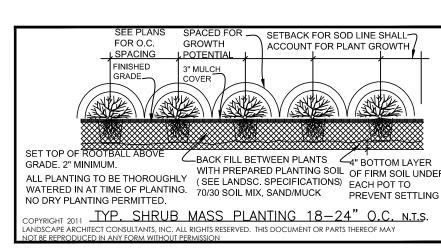






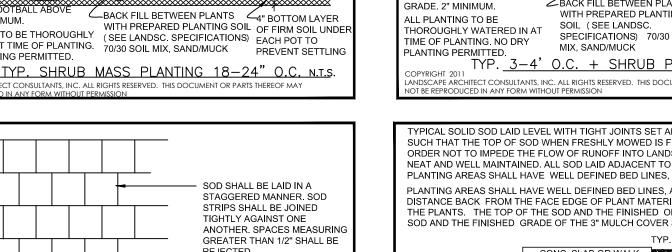


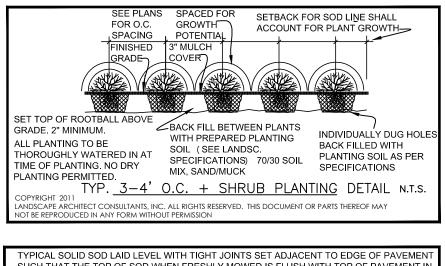


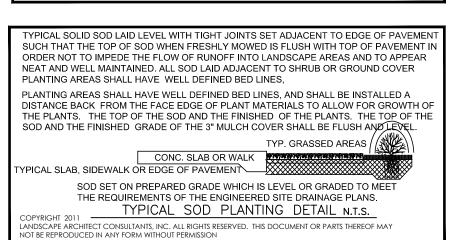


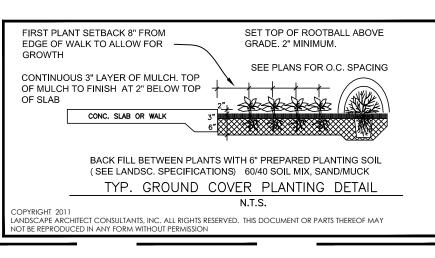
SOD PLANTING DETAIL

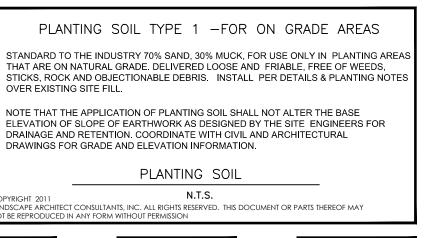
NOSCAPE ARCHITECT CONSULTANTS INC. ALL RIGHTS RESERVED. THIS DOCUMENT OR PARTS THEREOF MAY

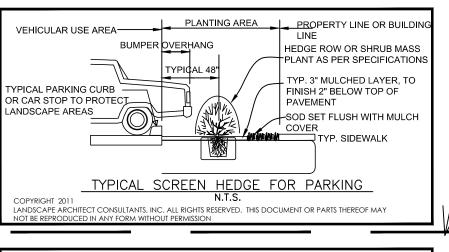


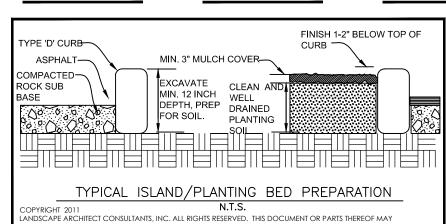












PLANTING NOTES

- 1. All sizes for plant material shown on plan are to be considered as minimums. All plant material must meet or exceed all minimum requirements for both height and spread. Any other requirements for specific shape or effect as noted on the plan will also be required for final acceptance.
- 2. All plant material furnished by the Landscape Contractor shall be Florida No.1 or better, unless otherwise specified, and shall be installed as specified in the most current edition of Grades and Standards for Nursery Plants, Part I by the Florida Department of Agriculture, Consumer Services Division, State Plant Board of Florida.
- 3. Landscape Design and installation shall conform to xeriscape landscape principles as included in the South Florida Water Management District's xeriscape Principle Guide II, updated version. Xeriscape requirements apply to all materials required by code. Additional plantings over and above code are provided to develop a higher aesthetic than code requires, and are not bound by these minimum standards.
- 4. In addition to these requirements all local landscape codes and requirements shall be met as a part of this base bid and contract in order to satisfy the review and approval of the governing municipality.
- 5. Quantities for landscape materials as noted on plans supersede any quantities listed in summary tables or lists.
- 6. All landscaping scheduled to occur in vehicular use areas shall be protected from vehicular encroachment by curbing or other durable barriers.
- 7. All planting holes shall have a minimum diameter of $2^{1/2}$ times the diameter of the plant ball and have a minimum of 12" of soil on all sides of the plant ball. All planting holes shall be excavated to remove all objectionable materials, such as asphalt, sub-base, concrete, rock, caustic materials with an excessive soil Ph, or similar materials not suited for landscape planting. Planting hole(s) shall be dug to a depth that is 90% the height of the root ball, with the installed root ball resting on undisturbed soil. Top of root ball to be 10% above final grade. For small caliper trees of 4" or less, plant the root ball above grade 1" for every 1" caliper. (i.e. if you have a 3" caliper tree plant the rootball 3" above grade. For all shrubs and ground cover plant the rootball minimum 2" above grade.
- 8. All plant material shall be installed in planting soil that is delivered to the site in a clean, loose and friable condition. All soil shall have well draining characteristics. Soil must be free of all rocks, sticks, objectionable debris including weeds and weed seed. Minimum soil depth requirements may vary with each municipality. See details and local codes for clarification.
- 9. All plant materials shall be thoroughly watered in at the time of planting. No dry planting shall be permitted.
- 10. Local codes require specific formulas for the use of native plants, as well as calculations for required number of code size trees by type and caliper inch. See code calculation tables provided with plan drawings.
- 11. Plans and new plantings shall be required to provide for safe sight lines at all access and egress points from the site, as well as intersections. All emergency equipment such as fire hydrants shall be maintained as visible and accessible, free of obstruction by new plantings. Trees require setbacks from lighting poles and fixtures. The contractor is required to field adjust the location of plant materials to meet these standards as work in contract.
- 12. Fertilizer shall be applied directly to the surface of the plant bed immediately after installation and prior to mulching.

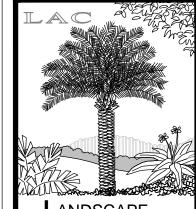
 Turf Areas Sunniland Fertilizer 16-4-8, applied per mfg. recommendation noted on the bag.

 Shrub Areas Atlantic Fertilizer 12-6-8 plus Minors, applied per mfg. recommendation noted on the bag.

 Canopy Trees- Atlantic Fertilizer 12-6-8 plus Minors, applied per mfg. recommendation noted on the bag.

 Atlantic Fertilizer Palm Mix 8-4-12 plus Minors, applied per mfg. recommendation noted on the bag.
- 13. All landscape areas not covered by shrubs or ground cover shall be planted with sod, and conversely all areas not covered by sod shall be covered with mulch to a minimum depth of (3) three inches of cover when settled. Mulch shall be kept 3" away from the face of the trunk (tree or palm). Eco-Cypress mulch or Eco-Melaleuca mulch shall be used; see natural mulch products at www.mulchingsolutions.com for product information or call 561-499-8148.
- 14. Sod shall be (as noted) solid sod, and shall be laid on a smooth planting base which has been graded to meet the drainage characteristics of the site. All sod shall be laid with closely fitted joints, and shall be in a green and healthy growing condition at planting. Sod shall be free of disease, debris, sticks, rocks and weeds. Variety as specified in plans. Where sod is abutting shrub and/or ground cover beds, the sod line shall be cut in a clean smooth line (radial or straight) free of any jagged or crooked edges.
- 15. All landscape areas shall be finished graded such that they are flush and level with the surrounding paved surfaces as not to impede the flow of drainage into landscape areas and to prevent the back wash of mulch and debris onto paved areas.
- 16. All new landscaped areas shall be excavated of all road rock, existing site fill down to a depth of 12" minimum from top of curb. SEE DETAIL THIS SHEET FOR SPECIFICS.
- 17. All landscape areas shall be irrigated by a fully automatic system adjusted to provide 100% coverage. All heads shall be adjusted to minimum 100% overlap.
- 18. The irrigation system shall be equipped with a rain sensor shutoff device, hard wired to over ride the time clock, controller or pump station in the event of rain or equally wet conditions. This requirement conforms to the County and SFWMD ordinance.
- 19. Any existing trees and their root zones on site shall be protected from damage during construction. All trees/palms to be removed or relocated shall require proper permitting and documentation of size, species, condition and proposed action. Established values for mitigation is required in the case of removals. Trees to be relocated shall be free of any hazardous defects and/or characteristics including but not limited to: Girdling roots, codominant leaders with bark inclusions, active trunk decay, stub cuts, open trunk wounds and broken leader(s). All permitting and review processes must be completed prior to any work being done. Any relocation's shall be root pruned in advance except for palm species. Palm fronds shall be hurricane cut in advance for any Sabal Palms to be relocated.
- 20. All selective trimming of existing and/or relocated trees on site, shall be done applying the standards of the American National Standards Institute, ANSI 300, 2001.
- 21. All new trees and relocated trees shall be guyed and braced applying the Standards of the National Arborist Association Guide Lines 1988 edition or most current.
- 22. All trees and palms shall be setback from roadways, walks and utility clear zones as required to conform to safety standards of the local municipality, FDOT and/or the utility companies, whether the plans show dimensions or not. These standards shall supersede all plan documents and are included in the work required by the contractor to complete the project.
- 23. Any substitutions to plant materials for areas addressed on the plans shall be approved by the governing municipality prior to work performed.
- 24. Landscape materials shall be maintained during construction as part of this base contract and any materials that die or decline below grades and standards shall be replaced immediately for final acceptance.
- 25. All landscape materials are guaranteed for full replacement including the material and labor for a period of one year from the time of final acceptance. This applies to any materials which are dead or have declined below grades and standards. The guarantee is void only in cases of 75 mph hurricane force winds at the site and/or a freeze below 35 degrees when established by the weather bureau as effecting the project location.
- 26. Medium and large maturing palms shall be planted at least 3' (feet) from all hardscapes and at least their typical frond length from a building or light pole.
- 27. Medium and large maturing trees shall be planted at least 5' (feet) from all hardscapes (e.g. sidewalks, driveways, pavers, curbs, etc.) They shall be planted a minimum of 10' (feet) from a building or light pole.





LANDSCAPE
ARCHITECT
CONSULTANTS
5215 W. Broward Boulevard
Plantation, Florida 33317

(954) 581-1110 F (9) 581-7118
LC-26000422
Thomas J. Laubenthal, RLA
TOM@LACFL.COM
LA-0000563
Katy M. Adler, RLA
KATY@LACFL.COM
LA-6667175

REVISIONS

DATE: 12-22-16

SCALE: N.T.S.

DESIGNED BY: AD

DRAWING BY: AD

IDA

OLLYWOOD , F

HOLE I WOK

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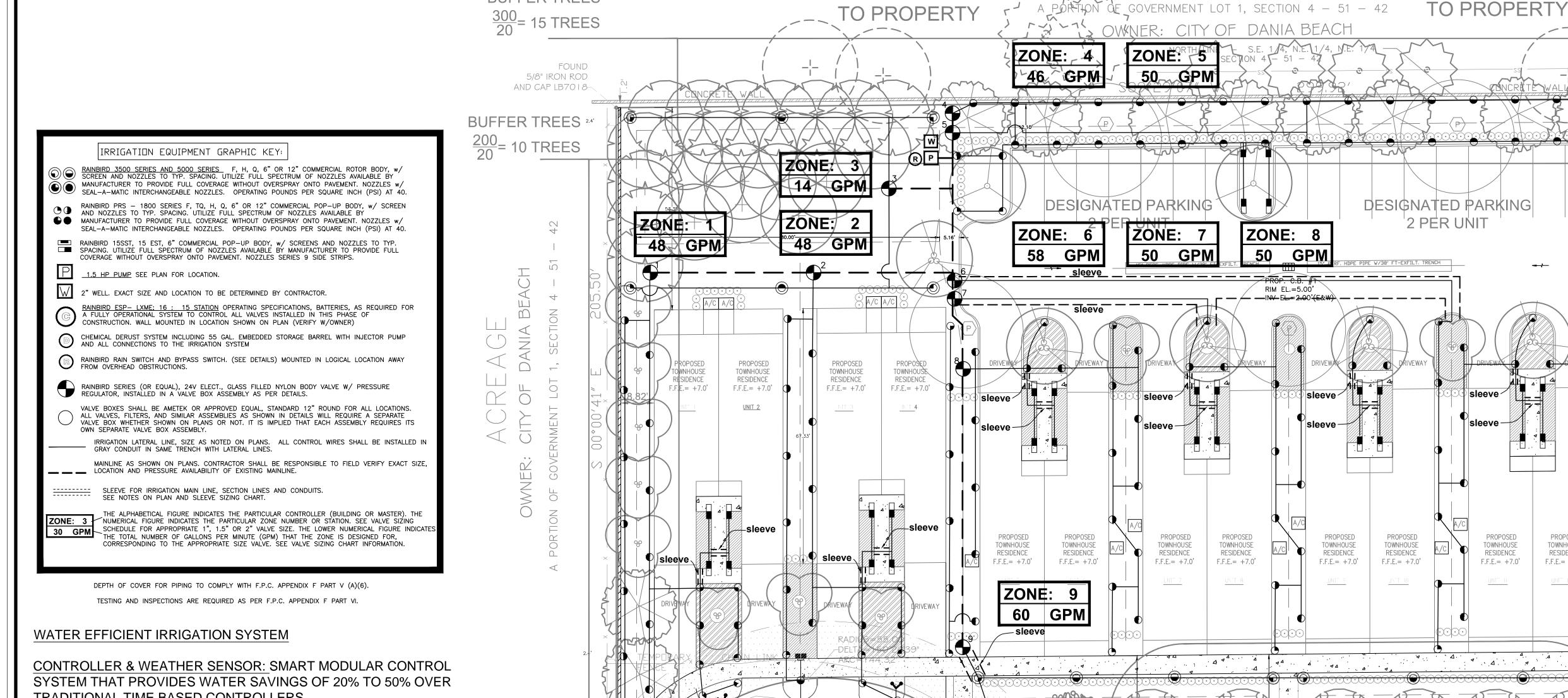
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JS PARCEL A

CRISPUS COMMONS
BROWARD COUNTY

PROJECT NO. 16-082

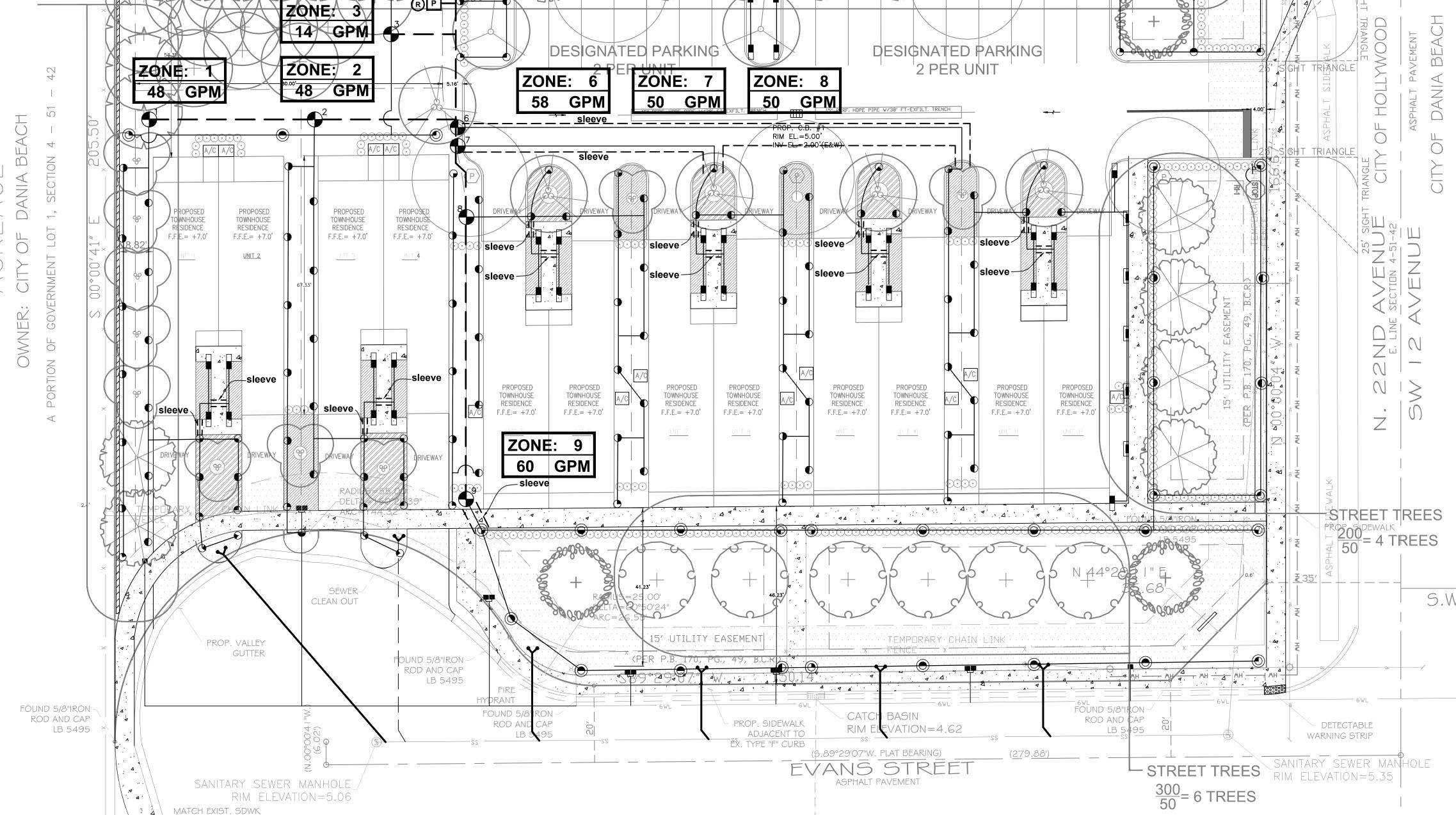
SHEET: **LP- 2** of 2



TO THE SOUTH

BUFFER TREES

TREES ADJACENT



ACREAGE

A PORTION OF GOVERNMENT LOT 1, SECTION 4 - 51 - 42

TREES ADJACENT

FOUND 5/8"

FP&L (305) 347-3900 Sunshine State One Call of Florida, Inc.

LANDSCAPE **A**RCHITECT

CONSULTANTS

5215 W. Broward Boulevard Plantation, Florida 33317

P (954) 581-1110 F (9) 581-711

Thomas J. Laubenthal, RLA

TOM@LACFL.COM

SANITARY SEWER MAN RIM ELEVATION= 4.92°

Katy M. Adler, RLA KATY@LACFL.COM DATE REVISIONS:

> 12-22-16 l" = 16' SCALE: DRAWING BY: AD DESIGNED BY: AD

> > PARCEL RRIG,

COMMONS ECT: PROJE CRI

PROJECT NO. 16-082

SHEET: IR-1 of 1

DATE: THOMAS J. LAUBENTHAL #LA-0000563 #LC-26000422

TRADITIONAL TIME BASED CONTROLLERS. AUTOMATIC SHUT-OFF THE CONTROLLER WHEN RAIN IS DETECTED, RESULTING IN WATER SAVING OF 15% TO 20%.

SEAL-A-MATIC(SAM): CHECK VALVES PREVENT DRAINAGE FROM HEADS AT LOWER ELEVATIONS, STOP WATER WASTE AND ELIMINATE LANDSCAPE DAMAGE DUE TO FLOODING AND/OR **EROSION**

CYCLE+SOAK: MAXIMIZE WATER USE AND PREVENT RUNOFF.

RAIN CURTAIN MPR NOZZLE TECHNOLOGY: ELIMINATING OVER SPRAY WHICH RESULTS IN WATER SAVINGS

ROTORS: 5000 SERIES, PRESSURE REGULATOR & LOW ANGLE NOZZLE: 15% T0 45% WATER SAVINGS.

ROTORS: 3000 SERIES, PRESSURE REGULATOR & LOW ANGLE NOZZLE: 15% T0 45% WATER SAVINGS.

SPRAY HEADS: 1800 SERIES WITH LOW GALLON NOZZLES ADJUSTED TO AVOID OVER SPRAY ONTO PAVED SURFACES.

IRR. DETAIL - TIME CLOCK CONTROLLER MINIMUM REQUIREMENTS RAINBIRD MFG. = MODEL ESP-LX-24 A. 24 STATION CLOCK W/ MULTIPLE PROGRAMMABLE FEATURES

B. INDIVIDUAL ZONE SETTINGS IN 1-120 MINUTE INCREMENTS, WITH TIME OF DAY, MULTIPLE START TIMES, 365 DAY CALENDAR. PLUS ODD-EVEN DAY WATERING OPTIONS.
 C. WATER BUDGET AND SEASONAL PROGRAM ADJUSTMENTS WITHIN 1% TO 300% ADJUSTMENT RANGE

D. DEFAULT PROGRAM SETTING TO RETAIN MEMORY IN CASE OF POWER LOSS.

F. RAIN AND MOISTURE SENSOR BYPASS TO OVER RIDE SYSTEM

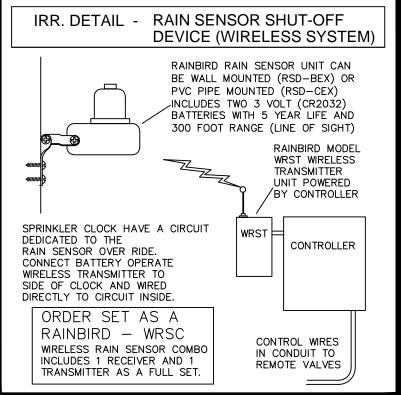
E. BATTERY BACK UP RESERVE POWER FOR MINIMUM 3 DAYS.

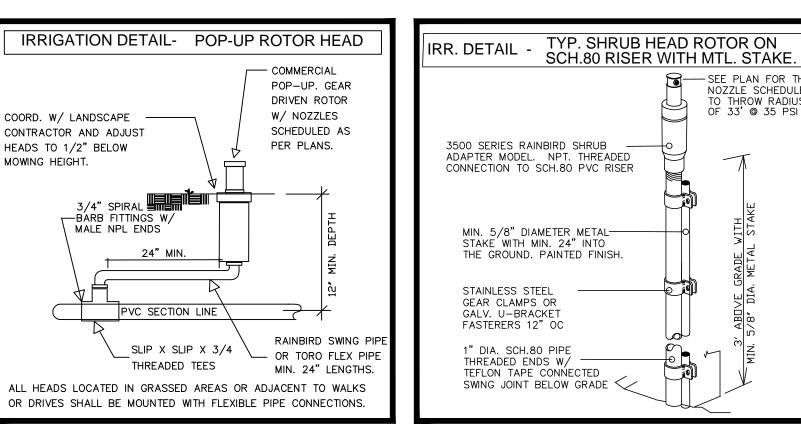
FOR A, B, C AND D (DRIP CYCLES)

G. EASY PROGRAMMING GUIDE IN FACE PANEL OF UNIT.

H. DIAGNOSTIC SELF TEST CIRCUIT BREAKER FOR WIRE FAULTS

J. 120VAC +10%, 60 HZ WITH 26.5 VAC, 1.9 AMP OUTPUT





CODE #	REQUIREMENT	SIAIUS	METHOD
A-1	IRRIGATION PLANS SHOWN AS FULL SCHEMATICS	PROVIDED	SEE PLANS
A-2.a	SOURCE CONNECTION AND DESIGN CAPACITY	PROVIDED	SEE PLANS
A-2.b	WATER PRESSURE AT POINT OF CONNECTION (POC)	PROVIDED	PUMP SPECS
A-2.c	WATER METER SIZE	N.A.	N.A.
A-2.d	BACK FLOW PREVENTOR TYPE	N.A.	N.A.
A-2.e	FULL PUMP STATION SPECIFICATION AND DETAILS	PROVIDED	PUMP SPECS
A-2.f	PRECIPITATION RATE EXPRESSED IN INCHES PER HOUR	PROVIDED	DETAILS+SPECS
A-2.g	FLOW RATE SCHEDULE WITH PIPE SIZING CHART	PROVIDED	DETAILS+SPECS
A-2.h	COMPLETE IRRIGATION LEGEND FOR HEADS & VALVES	PROVIDED	DETAILS+SPECS
		† -	-
B-1	IRRIGATION SYSTEM MATCHED TO PLANT MATERIAL TYPE	PROVIDED	SEE PLANS
B-2	SEPARATION OF TURF AND SHRUB WHERE PRACTICAL	PROVIDED	SEE PLANS
B-3	PRODUCTS LIST AND SPECIFICATION FOR ALL EQUIPMENT	PROVIDED	PLAN KEY
B-4	HEAD SPACING DIAGRAM WITH REQUIRED OVERLAP	PROVIDED	DETAILS+SPECS
B-5	FREE FLOW CONDITION PROTECTION FROM MAIN BREAKS	PROVIDED	DETAILS+SPECS
B-6	RAIN SENSOR SWITCH OR SOIL PROBE (Sect. 373.62.FS)	PROVIDED	DETAILS+SPECS
B-7	PROGRAMMABLE CONTROLLER SPECIFICED W/ REQ. OPTIONS	PROVIDED	DETAILS+SPECS
B-8	NO ITEM LISTED IN CODE FOR THIS NUMBER	N.A.	N.A.
B-9	AUTOMATIC CONTROLLER W/ SEASONAL SETTING ADJUST.	PROVIDED	DETAILS+SPECS
B-10	TOTAL LIST OF CONTROLLER REQUIREMENTS	1-	DETAILS+SPECS
B-10.a	PROGRAMABLE FOR MINUTES, DAYS OR WK. & T. OF DAY	PROVIDED	DETAILS+SPECS
B-10.b	PROGRAMABLE FOR MULTIPLE START TIMES	PROVIDED	DETAILS+SPECS
B-10.c	AUTOMATIC SHUT-OFF AFTER ADEQUATE RAIN FALL	PROVIDED	DETAILS+SPECS
B-10.d	MAINTAIN BACK-UP POWER & PROGRAM FOR MIN. 3 DAYS	PROVIDED	DETAILS+SPECS
B-10.e	PROGRAMS ADJUSTABLE TO WATER RESTRICTION REQ.	PROVIDED	DETAILS+SPECS
B-11	RECOMMENDED MAINTENANCE SCHEDULE FOR IRR. EQUIPT.	PROVIDED	DETAILS+SPECS
B-12	HEADS ON SAME ZONES W/ MATCHED PRECIPITATION RATE	PROVIDED	SEE PLANS
B-13	DESIGN UNIFORMITY FOR EMITTER TYPE, SPACING, PRESSURE	PROVIDED	DETAILS+SPECS
B-14	MEASURABLE IRR. WATER USE FOR SYSTEM OVER 70 GPM	PROVIDED	DETAILS+SPECS
B-15	PLANS TO INCLUDE FINAL SYSTEM TESTING REQUIREMENTS	PROVIDED	DETAILS+SPECS
B-16	SCHEMATIC DESIGN TO DEFINE ZONES & PLANT TYPES	PROVIDED	SEE PLANS
B-17	RAIN SENSOR SWITCH OR SOIL PROBE (Sect. 373.62.FS)	PROVIDED	DETAILS+SPECS
B-18	PROVIDE TRACER WIRE WITH MAIN LINES OVER 2" DIA.	PROVIDED	DETAILS+SPECS
B-19	WELL BASES SYSTEMS REQUIRE PUMP CYCLE CONTROL	N.A.	N.A.
B-20	HEADS ON HIGH SLOPES WILL REQUIRE CHECK VALVES	N.A.	N.A.
B-21	NOZZLE PRECIPITATION RATES MATCHED WITHIN 20%	PROVIDED	DETAILS+SPECS
B-22	NO WATER SPRAY UNDER ROOF OVERHANGS.	N.A.	N.A.
B-23	APPLY SMALL AREA EMMITTERS FOR AREAS UNDER 4 FT.	PROVIDED	SEE PLANS
B-24	PRESSURE REGULATING VALVES REQUIRED OVER 50 PSI	PROVIDED	PROVIDED
		1	
С	REQUIREMENTS PROVIDED FOR END USER	1-	_
C.1	IRRIGATION SCH. INFO, PROVIDED + INSTRUCTION	AT C.O.	AT C.O.
C-2	AS-BUILT PLANS TO BE PROVIDED TO END USER	AT C.O.	AT C.O.
C-3	OPERATION SCHEDULES FOR ESTABLISHMENT + REG. USE	AT C.O.	AT C.O.
C-4	EQUIPMENT MAINTENANCE DOCUMENTS TO BE PROVIDED	AT C.O.	AT C.O.
C-5	WHERE POSSIBLE MAINT. INFO TRANSFER TO NEXT OWNER	N.A.	N.A.
D	BACK FLOW PREVENTOR TO BE RECERTIFIED ANNUALLY	N.A.	N.A.
		+	_
-	<u> </u>		<u> </u>

LORIDA FRIENDLY CODE REQUIREMENTS

STATUS METHOD

OR IRRIGATION PLANS AND DETAILS

CODE # REQUIREMENT

GENERAL SPRINKLER NOTES:

- 1. IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER DRAWINGS OF THE PROJECT TO RESOLVE COORDINATION AND POTENTIAL CONFLICTS WITH EXISTING UNDERGROUND PIPES AND UTILITIES OR WORK BY OTHERS, PRIOR TO ANY WORK BEING DONE. MOST MAIN LINES SHARE ALIGNMENT WITH PERIMETER UTILITY EASEMENTS & SIGNIFICANT LANDSCAPE BUFFER PLANTINGS. AVOID CONFLICTS WITH ROOTBALL AREA OF TREES.
- 2. THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO CALL FOR LOCATIONS AND TO COORDINATE WITH LOCAL AGENCIES TO IDENTIFY LINES, PIPES, CABLES OF EASEMENTS WITHIN THE EFFECTED AREAS, PRIOR TO WORK.
- 3. THE INSTALLING CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN LICENSE, AND PERMITS WITHIN THE MUNICIPALITY AND MIAMI—DADE COUNTY AS WELL AS THE RELATED FEES WITHIN THE CONTRACT PRICE. PERMITS FOR SOUTH FLORIDA WATER MANAGEMENT DISTRICT ARE PULLED BY THE OWNER. (QUALIFIED APPLICANT 104.6.1.2) PERMITS WILL ONLY BE ISSUED TO QUALIFIED PEOPLE OR FIRMS. QUALIFICATION SHALL BE IN ACCORDANCE WITH; THE RULES OF THE BROWARD COUNTY CENTRAL EXAMINING BOARD, ORDINANCE 78—9 AND CHAPTER 9 OF THE COUNTY CODES; STATE DBPR, CHAPTER 489, PART 1 OF FLORIDA STATE STATUTES; OR OTHER EXAMINING BOARDS APPROVED BY THE BROWARD BOARD OF RULES AND APPEALS.
- 4. THE HORIZONTAL CONTROL FOR THE PROJECT WILL BE ESTABLISHED BY THE GENERAL CONTRACTOR WHO WILL LOCATE AND STAKE PROPERTY LINES, ALL RECORDED EASEMENTS, LIMIT OF WORK LINE, LIGHT POLES, PAVED AREAS, PARKING ISLANDS, DRAINAGE STRUCTURES AND RELATED FEATURES.
- 5. ALL MAINS AND SECTION LINES ARE SHOWN SCHEMATICALLY. LINES WHERE EVER POSSIBLE SHALL BE CONSOLIDATED INTO COMMON TRENCHES. THE CONTROL WIRES IN GRAY ELECTRICAL CONDUIT SHALL BE LOCATED UNDER THE MAIN FOR PROTECTION.
- 6. ALL MAIN LINES SHALL BE BURIED A UNIFORM 24" BELOW GRADE. ALL SECTION LINES SHALL BE INSTALLED A MINIMUM OF 12" BELOW GRADE.
- 7. SLEEVES UNDER ROADWAYS MAY BE DEEPER THAN 24" TO COORDINATE WITH ROADWAY CONSTRUCTION REQUIREMENTS OR TO COORDINATE WITH UTILITIES. SLEEVES UNDER PAVED PARKING AREAS WILL TYPICALLY MAINTAIN A 24" DEPTH TO ALIGN WITH MAIN LINE INSTALLATION DEPTHS.
- 8. ALL MAIN LINE PIPE SHALL BE SCHEDULE 40 PVC NEW PIPE ONLY. TYPE 1, PIPE, ASTM D-2241.
- 9. ALL SECTION LINE PIPE FROM 3/4" TO 2" I.D. SHALL BE SCHEDULE 40 PVC NEW PIPE ONLY. TYPE 1, PIPE, ASTM D-2241. ALL SECTION LINE PIPE FROM 2.5" TO 6" SHALL BE SDR-26 (160 PSI) PVC 1120 TYPE 1 PIPE.
- 10. ALL PIPING IS SIZED TO MEET DESIGN CALCULATIONS FOR GPM FLOW AND FOR A PRE—DESIGNED CUSHION TO ALLOW FOR NOMINAL REPAIRS AND FOR MODIFICATIONS TO THE SYSTEM WHICH OCCUR OVER TIME IN NORMAL OPERATION OF SYSTEM. LINE SHALL BE INSTALLED TO THE SIZE AS SHOWN IN PLANS. DOWN SIZING LINES IS NOT PERMITTED WITHOUT A CHANGE ORDER AND A REVISION OF THE DRAWING. THE CONTRACTOR MAY SUGGEST REVISION OR VALUE ENGINEERING WITH THE LANDSCAPE ARCHITECT FOR REVIEW AND WRITTEN APPROVALS PRIOR TO IMPLEMENTATION.
- 11. ALL PVC SOLVENT WELDED ASSEMBLY SHALL BE CLEANED AND PRIMED PRIOR TO THE SOLVENT WELD.
 ALL PVC CEMENT SHALL CONFORM TO ASTM D-2564. ALL PVC PIPE CLEANER SHALL CONFORM TO ASTM F-656
- 12. ALL WORK SHALL BE DONE IN A GOOD WORKMAN-LIKE MANNER AND IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND STANDARDS OF THE FLORIDA IRRIGATION SOCIETY, BROWARD CHAPTER AND FLORIDA BUILDING CODE APPENDIX F.
- 13. ALL CONTROL WIRES SHALL BE U.L. APPROVED DIRECT BURIAL TYPE PLASTIC COATED WIRE, AWG SIZE MINIMUM 14 GAUGE SOLID OR 12 STRAND WIRE. ALL SPLICES SHALL BE MADE WITH RAINBIRD ST-03 SNAP TIGHT WATERPROOF CONNECTORS. ALL WIRES SHALL BE MARKED WITH DURABLE TAGS IDENTIFYING EACH AND ALL WIRES.
- 14. ALL CONTROL WIRES SHALL BE INSTALLED IN U.L. APPROVED SIZE OF CLASS 160 GRAY ELECTRICAL CONDUIT WITH SWEEPS UP INTO A PULL BOX OR VALVE BOX ASSEMBLY.
- 15. THE IRRIGATION CONTRACTOR SHALL BRING THE CONTROL WIRES TO THE TIMECLOCK/CONTROLLER AND CONNECT ALL WIRING ON THE LOW VOLTAGE SIDE OF THE PANEL. ALL HIGH VOLTAGE WIRING AND POWER IS PROVIDED BY THE PUMP MANUFACTURER AND THE OWNER. LABEL ALL CONTROL WIRES AT THE PANEL TO CONFORM TO THOSE IN THE FIELD.
- 16. ALL VALVE BOXES AND PULL BOXES FOR CONTROL WIRES SHALL BE AN AMETEX BOX, MINIMUM 10" DIAMETER ROUND BOX. ONE PER EACH VALVE.
- 17. EACH LENGTH OF MAIN LINE BETWEEN THE PUMP STATION AND EACH ISOLATION VALVE SHALL BE PRESSURE CHECKED AND INSPECTED BY THE DESIGN PROFESSIONAL. PRESSURE MUST MAINTAIN A MINIMUM OF 5 PSI LOSS IN 24 HOURS FROM A 100 PSI PRIMING FOR ANY GIVEN TEST LENGTH.
- 18. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE WATER DEPARTMENT TO INSTALL THE BACK FLOW PREVENTOR ACCORDING TO LOCAL CODES & STANDARDS ADJUSTING TO SCHEDULES OF EQUIPMENT, PIPING, MATERIALS FOR SIGN OFF AND APPROVALS. CODE REQUIREMENTS TAKE PRECEDENT OVER DETAILS & SPECIFICATIONS.
- 19. THE FULL SPECTRUM OF NOZZLES, NOZZLE ANGLES, FULL CIRCLE, PART CIRCLE & ADJUSTABLE PATTERN HEADS IS TO BE EMPLOYED IN THIS CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE SYSTEM FOR COMPLETE COVERAGE WITH THE MANUFACTURERS RECOMMENDED 100% OVERLAP, AND UTILIZE THE ADJUSTABLE PATTERN HEADS TO AVOID OVERSPRAY TO PAVED SURFACES. THE CONTRACTOR IS ALSO TO INCLUDE IN HIS BID AND PROVIDE FOR THE INSTALLATION OF ANY ADDITIONAL HEADS REQUIRED TO BE ADDED TO INSURE COVERAGE FOR THE PROJECT.
- 20. ALL HEADS SHALL BE SET USING THE MANUFACTURES RECOMMENDED SWING JOINT ASSEMBLIES INCLUDING SPIRAL BARB FITTINGS AND THICK WALL PIPE OR SUBMIT SHOP DRAWINGS FOR APPROVAL.
- 21. ALL MATERIALS ARE GUARANTEED FREE FROM DEFECTS AND ALL WORKMANSHIP AND INSTALLATION ARE GUARANTEED FOR THE COST OF FULL REPLACEMENT FOR A PERIOD OF ONE YEAR FROM THE TIME OF COMPLETION AND FINAL ACCEPTANCE OF EACH SEPARATE, COMPLETED, AND FULLY OPERATIONAL SYSTEM.

IRRIGATION DETAIL PRESSURE TESTING MAIN LINES

MAIN LINE PIPE SHALL BE INSTALLED WITH A MINIMUM OF 18" OF COVER. NO ROCK SHALL BE IN CONTACT WITH PIPE.

MAIN LINE PIPE SHALL BE SCHEDULE 40 PVC PIPE ONLY, WITH SOLVENT WELDED FITTINGS, INSTALLED AS PER THE MANUFACTURERS RECOMMENDATIONS INCLUDING PIPE CLEANER AND SOLVENT WELDING.

ALL NEW CONSTRUCTED MAIN LINES MUST BE PRESSURE CHECKED PRIOR TO BACK FILLING. PRESSURE CHECKS SHALL INCLUDE INSTALLED VALVE ASSEMBLIES, WITH TEMPORARY CAPS TO CLOSE THE SYSTEM. PRESSURE SHALL BE BROUGHT UP TO 100 PSI, WITH A PRESSURE GAUGE IN PLACE, AND LEFT AT THAT PRESSURE FOR 24 HOURS. ANY PRESSURE LOSS OF GREATER THAN 5 PSI IN 24 HOURS IS A FAILURE OF THE MAIN.

ANY LEAKS OR BREAKS IN THE MAIN SHALL BE LOCATED AND REPAIRED, THEN THE MAIN LINE SHALL BE RETESTED BY THE SAME PROCEDURE, FOR FINAL APPROVAL AND ACCEPTANCE.

IRRIGATION DETAIL - PIPE SIZING NOTES

PIPES ARE SIZED SPECIFICALLY TO THE ANTICIPATE THE USE OF THE APPROPRIATE NOZZLE REQUIRED FOR ADEQUATE COVERAGE WITHOUT OVERSPRAY. THE PIPE SIZE IS DESIGNED WITH A REASONABLE MINIMUM CUSHION IN THE LINE SIZE THAT WILL ALLOW THE OWNER THE LATITUDE TO EFFECT NORMAL REPAIRS AND CHANGES OVER COMING YEARS. DO NOT REDUCE THE LINE SIZES FROM THE SCHEDULE SHOWN.

NO PVC PIPE AND FITTINGS, SMALLER THAN 3/4" PIPE SHALL BE PERMITTED, EXCEPT FOR SWING JOINT ADAPTERS TO FLEX PIPE FITTINGS. ALL SECTION LINE PIPE SHALL BE STANDARD INDUSTRY PIPE SIZES 3/4", 1" 1 1/4", 1 1/2", 2" 2 1/2", 3', AND 4" PIPE, WITH APPROPRIATE NEW SCH. 40 PVC FITTINGS FOR SOLVENT WELDED ASSEMBLY USING CLEANERS/PRIMERS.

IT IS THE INTENT OF THE LANDSCAPE ARCHITECT / DESIGNER
TO PROVIDE A SCHEMATIC DRAWING DEMONSTRATING THE
RECOMMENDED PIPING LAYOUT. THE CONTRACTOR SHALL CON—
FORM TO THAT PLAN DIAGRAM WHEREVER POSSIBLE. WHEN A
CHANGE IN THE LAYOUT IS DEEMED NECESSARY DUE TO A CON—
FLICTS, ADJUST PIPE AS NEEDED AND PROVIDE AS—BUILT DATA.

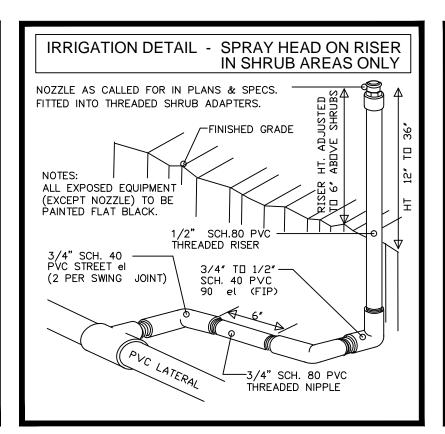
CONTRACTORS SHALL EMPLOY THE FULL SPECTRUM OF NOZZLE

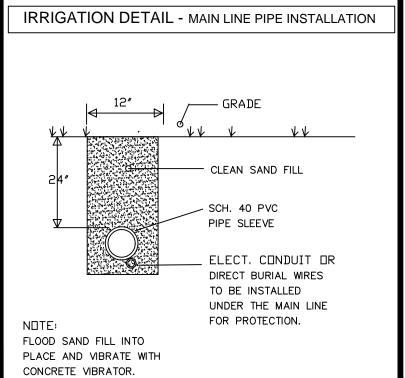
IRRIGATION DETAIL - PIPE SIZING & NOZZLE NOTES

PATTERS AVAILABLE FROM THE MANUFACTURER TO PROVIDE
THE CORRECT NOZZLES TO COVER THE LANDSCAPE AREAS AND
AVOID OVERSPRAY ONTO PAVED AREAS. THIS WOULD INCLUDE
BUT NOT BE LIMITED TO, ADJUSTABLE ARC NOZZLES, CENTER
STRIP, END STRIP & SIDE STRIP NOZZLES, AND OTHER BASIC
NOZZLES DESIGNED TO CONTROL OVERSPRAY ONTO AREAS NOT
INTENDED TO GET WET OR REQUIRED COVERAGE. THE USE OF
THESE NOZZLE TYPES IS IMPLIED AS PART OF THE BASE BID
PRICE AND REPRESENTS A SYSTEM INSTALLATION THAT IS
STANDARD TO THE INDUSTRY AND REQUIRED BY LOCAL CODES
FOR WATER CONSERVATION AND SAFETY PROTECTION AGAINST
WET SURFACES, SLIP & FALL SITUATIONS OR SKID ACCIDENT.

PIPES ARE SIZED SPECIFICALLY TO THE ANTICIPATE THE USE OF THE APPROPRIATE NOZZLE REQUIRED FOR ADEQUATE COVERAGE WITHOUT OVERSPRAY. THE PIPE SIZE IS DESIGNED WITH A REASONABLE MINIMUM CUSHION IN THE LINE SIZE THAT WILL ALLOW THE OWNER THE LATITUDE TO EFFECT NORMAL REPAIRS AND CHANGES OVER COMING YEARS. DO NOT REDUCE THE LINE SIZES FROM THE SCHEDULE SHOWN.

IRRIGATION DETAIL- SPRAY HEAD DETAIL SEE PLANS AND SPECS -6" POP-UP BODIES IN TURF AREAS. FOR NOZZLE SCHEDULES 12" POP-UP BODIES COORD. W/ LANDSCAPE -IN SHRUB AREAS. CONTRACTOR AND ADJUST ~~~~ HEADS TO MEET FINAL GRADE. NO 4" BODIES ACCEPTED ON JOB -SST COUPLER BARB FITTINGS FITTING SWING PIPE - PVC SECTION LINE ALL HEADS LOCATED IN GRASSED AREAS OR ADJACENT TO WALKS OR DRIVES SHALL BE MOUNTED WITH FLEXIBLE PIPE CONNECTIONS.





2 1/2" AND OVER THERE SHOULD BE A 2" MINIMUM BETWEEN THE INSIDE WALL OF THE SLEEVE AND THE OUTSIDE WALL OF THE PIPE. PIPE SLEEVING SCHEDULE PIPE SIZE SLEEVE SIZE 1" 2" 2 1/2" 1 1/4" 2 1/2" 3" 4"

IRRIGATION DETAIL - PIPE SLEEVE SCHEDULE

NOTE: SEE PIPE SLEEVING SCHEDULE FOR SLEEVE SIZES. FOR PIPES

SLEEVES THAT PROTECT TWO OR MORE LATERALS AND/OR MAINS IN THE SAME SLEEVE SHALL BE SIZED BY THE CONTRACTOR WITH THE SAME MINIMUM 2" CLEARANCE STANDARD FOR ALL PIPES.

2 1/2"+

6"

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Sunshine State One Call of Florida, Inc.

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DATE | REVISIONS:

DATE: 12-22-16

SCALE: I" = XX'

DRAWING BY: AD

DESIGNED BY: AD

), FLORIDA

HOLLYWOOD

DETAILS:

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SPUS COMMONA ARD COUNTY

PROJECT NO. 16-082

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SPECIAL NOTE:

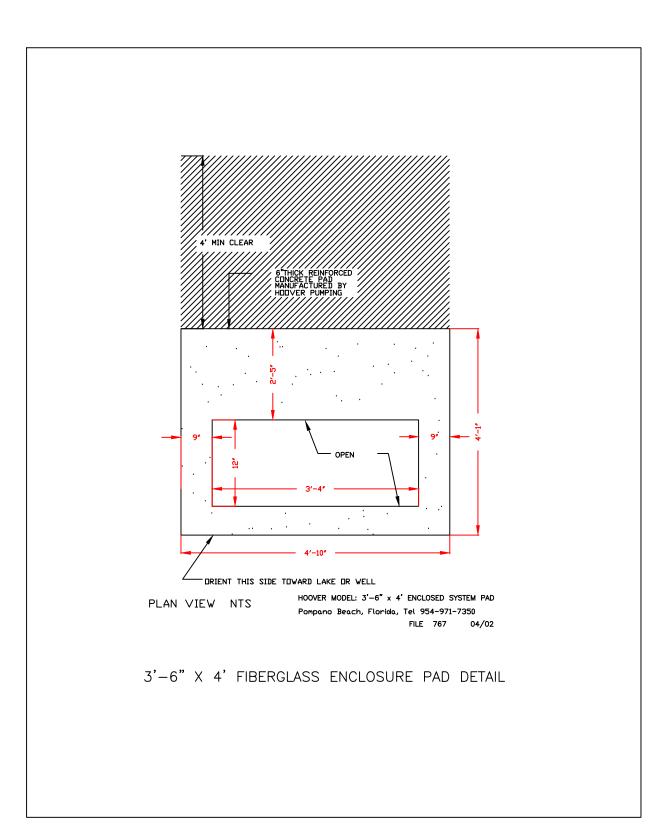
THIS PROJECT REQUIRES THE WORK AND COORDINATION BETWEEN 3 CONTRACTORS

- WELL CONTRACTOR
- **IRRIGATION CONTRACTOR**
- SITE ELECTRICAL CONTRACTOR

APPROX. WELL LOCATION

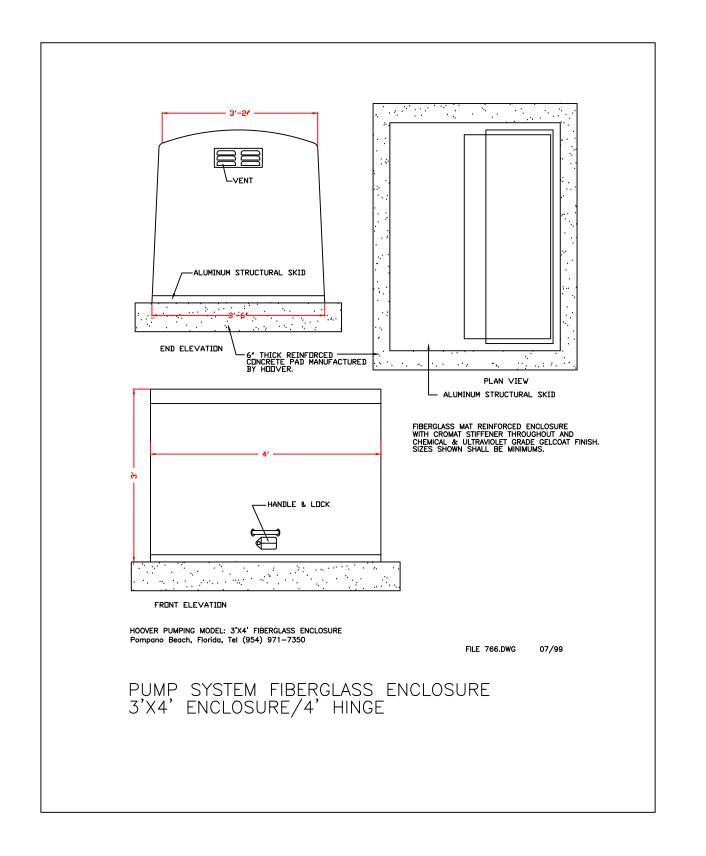






CONFIRM FINAL DIMENSION OF PUMP STATION AND ADJUST PAD SIZE AS NEEDED





PUMP AND WELL

GENERAL

Section Includes:

- Project Site
- Permit Requirements
- Construction Operations
- Description of Work Products

PROJECT SITE

A.Project Site is a Townhouse Development with a Common Area Irrigation System B.Owner = Liberia Economic & Social Development Inc. C. Evans Street & N. 22nd Avenue, Hollywood, FL Folio: 514204180080 D.See Well and Pump location on plan sheet IR-1. Pump & Well Specs on IR-3

REQUIRED PERMITS

A.SFWMD Water Use Permit is required for a 2" well with a 60 GPM capacity. B. Broward County Health Department Well Permit is required (954-467-4201 Craig English).

CONSTRUCTION OPERATIONS

- A. The Contractor shall be fully responsible for securing and maintaining this area in a clean, organized and workmanlike manner at all times.
- B. Contractor shall call for locations and plan their construction access route for all heavy equipment in and out of the site. This will include both well work and pump station renovations.
- C. Prior to construction the Contractor shall secure the site and establish their construction limits and install silt fencing to protect the adjacent ball fields from contamination from silt dredged up by the well construction.
- D.During all phases of work on the project, the Contractor shall remove any and all excess materials and debris from the site after the completion of each and every sequence and-or phase of the work.
- E. In existing areas of work remove debris and clean areas of the building and project site containing construction materials, debris, and spills on a daily basis to the satisfaction of the Owner.

DESCRIPTION OF WORK

1. Construction of a Well sized for a 2" drop pipe

The Contractor is responsible for all work associated with the Construction of a new 2" Well to an approximate

- Drill new well and purge the system until the well runs clean and free of debris, as well as providing a flow that will meet the demands of the system. 60 GPM minimum.
- Screen covered Open-End Pipe for well. At the head of the well the 2" down pipe shall be fitted with a Sch.80 Steel Galv. 2" tee that includes an inspection cap and a side port for connection and check valve with a 2" NPT threaded stub-out, as the

2. Contractor Clean Up and Site restoration

pick-up point for the start of the Irrigation System.

The Contractor is responsible to completely restore the site to a clean and manageable condition.

- Remove all accumulated silt and regrade as needed to maintain the intended flow of swales, as well as the removal of tire ruts from heavy equipment access.
- Replace all damages sod and any damaged irrigation piping and heads.

3. Irrigation Contractor - Pump Start Up and Purging the Main Lines, Valves and Heads

The Contractor is responsible to start up the Renovated Pump Station, operating from the New Well, and flush the entire main line system to remove accumulated silt and debris. This includes clear Irrigation Valves, section line pipe and individual heads for all zones served by the pump.

NOTES:

- Irrigation Contractor is responsible to provide the Concrete Pad and mount the Pump Station
- Electrical hook ups are part of this project coordinated with the Site Electrical Contractor.
- O Site Elect. Contractor to provide 208V Single Phase power to the point of a disconnect.
- Site Elect. Contractor to provide power from panel to pump station and clock.
- Site Elect. Contractor to provide Panel box with step down transformer and service outlet for the Irrigation Clock (115V)
- Site Elect. Contractor to provide Permits for the Site Electrical Work
- Irrigation Contractor to provide all Low Voltage wiring and conduit.

PRODUCTS

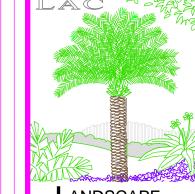
- Pump Station Renovations to meet the standards of the Rainbird LC1500 1.5HP Pump Station or equal, to provide 60 GPM minimum at 40.
- Suction Line Pipe and connections to be Sch.80 galvanized steel, plus new gaskets
- Well piping and intake screens to meet industry standards for South Florida.

SEQUENCE OF CONSTRUCTION

- Permit Applications for the SFWMD are already approved.
- Permit Applications to be filed with the Broward County Health Dept., requiring lead time for approval.

- Pump Station pad and pump (fabricated off site) and mounted to the slab on-site.
- New Well Construction including inspection tee.
- Provide final documentation on well size, depth and capacity as required by SFWMD. • Site Clean Up of all silt and debris.
- Complete connections to Main Line System and purge the lines including zone lines.
- Final Clean Up and site restoration (sod + irrigation coverage) • Close Out / File As-built info for Well Permits with Broward County and SFWMD.

Revised 12-16-16



LANDSCAPE **A**RCHITECT CONSULTANTS 5215 W. Broward Boulevard Plantation, Florida 33317 P (954) 581-1110 F (9) 581-7118 Thomas J. Laubenthal, RLA TOM@LACFL.COM

> Katy M. Adler, RLA KATY@LACFL.COM

> > LA-6667175

DATE	REVISIONS:

SCALE: N.T.S. DRAWING BY: AD

DESIGNED BY: AD

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