

DEPARTMENT OF PLANNING



2600 Hollywood Boulevard Room 315
Hollywood, FL 33022

CITY OF HOLLYWOOD
OFFICE OF PLANNING

16-DPV872
File No. (internal use only):

JAN 3 2017

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: January 3, 2017

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: RS-6 Land Use Classification: Medium Residential

Existing Property Use: Vacant Sq Ft/Number of Units: 53,996 Sq. Ft.

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

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

Explanation of Request: To Development 12 Townhouse units

Number of units/rooms: 12 Townhouses Sq Ft: Average size 1547.88 sq.ft.

Value of Improvement: \$1,600,000.00 Estimated Date of Completion: Unkown at this time

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

NA

Name of Current Property Owner: Liberia Economic and Social Development

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, Suite #104, Fort Lauderdale Telephone: 954-581-9899

Fax: 954-581-9881 Email Address: bdeese@bandflorida.org

Date of Purchase: August 6, 2008 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: Kemissa Colin

Broward Alliance for Neighborhood Development Address: 690 NE 13th Street, Suite 104 Fort Lauderdale

Email Address: kcolin@bandflorida.org

DEPARTMENT OF PLANNING



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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: Henry Graham

Date: 01/03/17

PRINT NAME: Henry Graham

Date: 01/03/17

Signature of Consultant/Representative: Bonnye Deese

Date: 01/03/2017

PRINT NAME: Bonnye Deese

Date: 01/03/2017

Signature of Tenant: None

Date: NA

PRINT NAME: NA

Date: NA

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 (project description) _____ to my property, which is hereby made by me or I am hereby authorizing (name of the representative) _____ to be my legal representative before the _____ (Board and/or Committee) relative to all matters concerning this application.

Sworn to and subscribed before me
this _____ day of _____

SIGNATURE OF CURRENT OWNER

Notary Public State of Florida

PRINT NAME

My Commission Expires: _____ (Check One) _____ Personally known to me; OR _____

DONALD ARPIN JR.
A.G.K. LLC. COA # 26079 P.E. # 28585
4920 NORTH DIXIE HWY. 33334
OAKLAND PARK, FLORIDA
PH #954-772-8345 FAX #954-772-7478
EMAIL: arpin@bellsouth.net

RESPONSE TO COMMENTS:

A. APPLICATION SUBMITTAL

1. BY OWNER.
2. DETAIL FOR PROPERTY LINE WALL ON SHEET SP-1, REVISION #1 DATED 10-31-16
3. NO DUMPSTER ENCLOSURE TRASH CANS TO BE STORED IN GARAGES SEE NOTE ON SHEET A-1 AND A-3, REVISION #1 DATED 10-31-16.
4. SIGN DETAIL ON SHEET SP-1, REVISION #1 DATED 10-31-16.
5. COLOR RENDERINGS BY OWNER.
6. BY OWNER.
7. BY OWNER.
8. WRITTEN COMMENTS THIS IS IT.

B. ZONING

1. SEE BUILDING SITE DATA FOR ALL INFORMATION.
2. BUILDING SETBACKS HAVE BEEN ADJUSTED AND OR CHANGED SEE SITE DATA AND SEE SITE PLAN, REVISION #1 DATED 10-31-16.
3. PARKING STALLS DIMENSIONS HAVE BEEN CHANGED SEE SITE PLAN PARKING AREA, REVISION #1 DATED 10-31-16.
4. MECHANICAL EQUIPMENT SHALL BE SCREENED SEE NOTE #1 AT SITE DATA, REVISION #1 DATED 10-31-16.
5. LOCATION OF ALL UTILITIES SEE NOTE #2 AT SITE DATA, REVISION #1 DATE 10-31-16.
6. ELECTRICAL VEHICLE SEE NOTE #3 AT SITE DATA, REVISION #1 DATE 10-31-16.

C. ARCHITECTURE & URBAN DESIGN

1. THE DESIGN FOR PARKING LOT AND DRIVEWAYS WILL BE CONCRETE, REVISION #1 DATE 10-31-16.

TERRENCE COMISKEY – ARCHITECT

1. ENTRY SIGN DETAILS ON SHEET SP-1, REVISION #1 DATE 10-31-16.
2. PROPERTY WALL WITH RAISED STUCCO BAND AT TOP SEE DETAIL 1/SP-1 AND WALL ELEVATION, REVISION #1 DATE 10-31-16.
3. ALL UNITS HAVE A MAIL BOX, BUILDING 1 & 2 MAILBOX IS LOCATED ON EVANS STREET, AND BUILDINGS 3 THRU 6 HAVE 2 MAILBOXES 1 OFF EVANS STREET AND

ANOTHER OFF THE PARKING LOT NORTH SIDE SEE SITE PLAN, REVISION #1 DATE 10-31-16 (BUILDING 3 THRU 6 HAVE 2 ENTRANCES SEE SHEET A-3).

4. NEW CONCRETE WALKS SEE SHEET SP-1 SITE PLAN, REVISION #1 DATE 10-31-16.
5. NEW CONCRETE WALK TO CONNECT TO N. 22 AVENUE SEE SHEET SP-1 SITE PLAN, REVISION #1 DATE 10-31-16.
6. SEE SHEETS A-2 & A-4 FOR LOCATION OF NEW STUCCO BANDS ON ELEVATIONS (THEY CAN BE ADJUSTED AS NEEDED), REVISION #1 DATE 11-3-16.
7. TRASH CANS TO BE STORED IN GARAGE AREAS SEE NOTE ON SHEET A-1 & A-3, REVISION #1 DATE 11-3-16.
8. GREEN BUILDING NOTE ON SHEET SP-1, REVISION #1 DATE 10-31-16.

D. LANDSCAPING

1. LANDSCAPING PLAN BY OTHERS.

E. SIGNAGE

1. SIGN DETAIL ON SHEET SP-1, SIGN LOCATION AT SITE PLAN SEE SHEET SP-1 ON THE SITE PLAN, SEE NOTE #5 AT SITE DATA FOR SIGN ILLUMINATION, REVISION #1 DATE 10-31-16.
2. SIGN DETAIL REVISED TO MEET CITY STANDARDS, REVISION #1 DATE 10-31-16.
3. COMPLY WITH ZONING AND LAND DEVELOPMENT SEE NOTE #4 AT SITE DATA, REVISION #1 DATE 10-31-16.
4. SITE SIGN ILLUMINATION SEE NOTE #5 AT SITE DATA, REVISION #1 DATE 10-31-16.

F. LIGHTING

1. SEE NOTE #6 AT SITE DATA, REVISION #1 DATE 10-31-16.

G. GREEN BUILDING

1. SEE SHEET SP-1 FOR NOTE, REVISION #1 DATE 10-31-16.

H. ENVIRONMENTAL SUSTAINABILITY

1. NO COMMENTS

I. UTILITIES

1. BY OWNER
2. CIVIL PLANS BY OTHERS.
3. BY OTHERS.
4. BY OWNER.

J. BUILDING

1. NO COMMENTS

K. ENGINEERING

1. CIVIL PLANS BY OTHERS.
2. SIDE WALKS ON SHEET SP-1, REVISION #1 DATE 10-31-16.

3. SIDE WALKS ON SHEET SP-1, REVISION #1 DATE 10-31-16.
4. BY OWNERS.
5. BY OWNERS.
6. MORE COMMENTS I HOPE NOT....

L. FIRE

1. FLOW REQUIREMENTS BY OWNER.
2. FIRE HYDRANT IS EXISTING LOCATED ON EVANS STREET, REVISION #1 DATE 10-31-16.
3. REVISED BUILDING S 1 THRU 6 FRONT SETBACKS FROM PROPERTY LINE AT EVANS STREET TO THE FRONT DOOR WALL LOCATION SETBACK IS NOTED 50'-0" SEE SHEET SP-1 THE SITE PLAN, AND THE DRIVEWAY AT THE NORTH PARKING LOT IS 25'-0" WIDE, REVISION #1 DATE 10-31-16.
4. ACCESS TO BUILDINGS 3 THRU 6 CAN BE FROM EVANS STREET OR FROM THE NORTH PARKING LOT MY DESIGN HAS 2 FRONT ENTRANCES SEE SHEET A-3 AND SHEET SP-1, REVISION #1 DATE 10-31-16.
5. AUTOTURN FOR FIRE DEPARTMENT IF YOU HAVE TO USE THE PARKING LOT YOU CAN USE THE T TURN AROUND BY PULLING INTO ONE OF THE DRIVES AND BACK OUT INTO THE DRIVE WAY (25' WIDE) AND THEN GO EAST TO EXIT THE COMPLEX. REVISION #1 DATE 10-31-16.

M. COMMUNITY DEVELOPMENT

1. BY OWNERS.
2. BEHIND BUILDING 1 & 2 COMMON AREAS, THIS IS NOT KNOW AT THIS TIME.
3. 99 SQUARE FEET IS BIG ENOUGH AS PER THE FBC 2014 5th EDITION WHICH STATES THAT 70 SQUARE FEET AND THE CITY OF HOLLYWOOD ORDINANCE STATES 75 SQUARE FEET.
4. THE SIDE WALLS DESIGN CAN HAVE ONLY 25% OF OPENINGS, I WILL NOT BE ABLE TO RECONFIGURE THE DINING OR THE KITCHEN AREAS.
5. ALL WINDOWS AND DOORS ARE TO BE IMPACT RATED SEE NOTE ON SHEET A-2 & A-4, REVISION #1 DATE 11-3-16.
6. TRASH CANS WILL BE STORED IN GARAGES SEE NOTE ON SHEETS A-1 & A-3, REVISION #1 DATE 11-3-16.
7. MECHANICAL EQUIPMENT LOCATED AT BUILDINGS 1 & 2 ON THE NORTH END OF THE BUILDINGS, AND BUILDINGS 3 THRU 6 ON THE SIDES OF THE BUILDINGS SEE SHEET SP-1, A-1 AND A-3 FOR AC PADS LOCATIONS, REVISION #1 DATE 11-3-16.
8. BY OWNER.

N. PARKS, RECREATION & CULTURAL ARTS

1. IMPACT FEES APPLICATION BY OWNER.

O. POLICE DEPARTMENT

1. NO COMMENTS.

P. PUBLIC WORKS

1. NO COMMENTS.

Q. ECONOMIC DEVELOPMENT

1. BY OWNER.

R. DOWNTOWN & BEACH CRA

1. NO COMMENT.

S. PARKING & INTERGOVERNMENTAL AFFAIRS

1. NO COMMENT.

T. ADDITION COMMENTS

1. I HOPE NOT.



A. APPLICATION SUBMITTAL

- 1) LES & BAND are starting the process of the rezoning application
- 5) The color rendering is attached
- 6) We have received a preliminary school capacity availability determination letter from the Broward County School Board
- 7) The neighborhood association meeting will be set up in January 2017 as they had no meeting days in December.

D. LANDSCAPING

- 1) Landscaping plan is attached

I. UTILITIES

- 1) Please see the agreement with the City of Dania Beach attached
- 2) Civil plans are attached
- 3) Please refer to civil plans attached
- 4) The office of Planning & Zoning has confirmed that the units can be described by metes and bounds

K. ENGINEERING

- 1) Please see civil plans attached
- 4) Planning and Zoning confirmed that it is acceptable for the units to be described by metes and bounds.
- 5) Yes, all outside agency permits will be obtained

M. COMMUNITY DEVELOPMENT

- 1) The units will be affordable
- 2) Yes it will be common area
- 8) We will be working with a green certifier to add in green building features

N. PARKS, RECREATION & CULTURAL ARTS

- 1) Will be completed

**CITY OF HOLLYWOOD
PARKS, RECREATION AND CULTURAL ARTS DEPARTMENT
PARK IMPACT FEE APPLICATION**

Pursuant to Chapter 161.07 (G)(1) of the City's Zoning and Land Development Regulations, all persons platting or subdividing land for residential purposes or for hotel/motel purposes or who are required to obtain site plan approval for a residential, hotel or motel development shall be required to pay a park impact fee. This fee is to be used for parks (passive or active open space or recreational facilities) to meet the needs created by the development.

Is this a residential or hotel/motel development? Yes ☒ No ☐

If YES was selected please provide the following information. In NO was selected please do not complete application.

(PRINT LEGIBLY OR TYPE)

1. Owners Name: L.E.S
2. Project Name: CRISPUS COMMONS 2
3. Project Address: _____
4. Contact person: BONNYE DEESE
5. Contact number: 954-581-9899
6. Type of unit(s): Single Family ☐ Multi-Family ☒ Hotel/Motel ☐
7. Total number of residential and/or hotel/motel units: 12 TOWN HOUSES
8. Unit Fee per residential dwelling based on sq. ft.: 2175.⁰⁰
9. Unit Fee per hotel/motel room: \$1,250.00
10. Total Park Impact Fee: _____ Date: _____

The Park Impact Fee shall be paid in full prior to issuance of a building permit unless the project is to be completed in phases. This application provides an approximate Park Impact Fee however the final Park Impact Fee will be calculated and paid at time of building permit request.

This application (if applicable) should be submitted to the Technical Advisory Committee to obtain Parks, Recreation and Cultural Arts Department approval.

Please contact David Vazquez, Department of Parks, Recreation and Cultural Arts at 954.921.3404 or dvazquez@hollywoodfl.org should there be any questions.

UTILITIES
ITEM - I -
page 3

2 attachments

 **Construction Permit Water System.pdf**
325K

 **Resolution 176-99 - Approval of Agreement LES&Dania Beach.pdf**
292K


Eula Gardner <egardner@bandflorida.org>
To: Kemissa Colin <kcolin@bandflorida.org>

Tue, Nov 15, 2016 at 2:15 PM

[Quoted text hidden]

2 attachments

 **Construction Permit Water System.pdf**
325K

 **Resolution 176-99 - Approval of Agreement LES&Dania Beach.pdf**
292K

Navarro, Ronnie <rnavarro@daniabeachfl.gov>

Tue, Nov 15, 2016 at 5:24 PM

To: "egardner@bandflorida.org" <egardner@bandflorida.org>

Cc: "Ansbro, Tom" <tansbro@daniabeachfl.gov>, "Urtecho, Jose" <jurtecho@daniabeachfl.gov>, "Kaine, Brad" <bkaine@daniabeachfl.gov>

Hi Eula,

I don't see any need to update agreement. All you need to do is once you have your engineers on board that they (your engineers) coordinate with Public Services for utility permit review and permitting. Your site is already within the service area of the City of Dania Beach.

Thank you

Ronnie S. Navarro, PE

Deputy Director | City Engineer



Public Services Department | City of Dania Beach

1201 Stirling Road | Dania Beach FL 33004

Office 954-924-6808 ext 3615 | Fax 954-923-1109

rnavarro@daniabeachfl.gov

L.E.S., Inc.

Liberia Economic & Social Development, Inc.
2207 Raleigh Street
Hollywood, FL 33020
Telephone: (954) 921-2371 Facsimile: (954) 921-2593

FILE

September 3, 1999

Mr. Harold Harter, Jr.
Dania Beach Congregation
Of Jehovah's Witnesses Inc.
1918 Lee Street
Hollywood, Florida

Dear Harold:

As per your request, please find enclosed a copy of the Resolution for L.E.S., Inc., to hookup and connect the City of Dania water and sewer systems.

As you can see, the resolution only addresses L.E.S., Inc. I was under the impression that both parcels would be included, and I brought this fact to the attention of the Hollywood Utilities Department. Please note the letter enclosed asking that an addendum be prepared to include the Dania Beach Congregation of Jehovah's Witnesses, Inc.

I will stay on top of this situation, and contact you should any questions come up.

Very truly yours,



Henry L. Graham
Executive Director

HLG:fhs
Enclosures

RESOLUTION NO. 176-99

A RESOLUTION OF THE CITY OF DANIA BEACH, FLORIDA, APPROVING THE AGREEMENT WITH THE CITY OF HOLLYWOOD, LIBERIA ECONOMIC AND SOCIAL DEVELOPMENT, INCORPORATED AND THE CITY OF DANIA BEACH PROVIDING INSTALLATION, HOOK-UP AND CONNECTION OF CERTAIN POTABLE WATER AND SANITARY SEWER LINES INTO THE CITY OF DANIA BEACH'S FACILITIES ON A TEMPORARY BASIS; FURTHER, PROVIDING FOR AN EFFECTIVE DATE.

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF DANIA BEACH, FLORIDA;

Section 1. That that certain Agreement between the City of Hollywood, Liberia Economic and Social Development, Incorporated and the City of Dania Beach providing installation, hook-up and connection of certain potable water and sanitary sewer lines into the City Of Dania Beach's facilities on a temporary basis, which agreement is attached and made a part of this resolution as Exhibit "A", is approved and the appropriate city officials are directed to execute same.

Section 2. That all resolutions or parts of resolutions in conflict with this resolution are repealed to the extent of such conflict.

Section 3. That this resolution shall be in force and take effect immediately upon its passage and adoption.

PASSED AND ADOPTED ON THE 24th DAY OF AUGUST, 1999.

ATTEST:

Sheryl Chapman
ACTING CITY CLERK

John A. Butts
MAYOR-COMMISSIONER

APPROVED FOR FORM AND CORRECTNESS:

BY:

T. J. Am
CITY ATTORNEY

AGREEMENT

THIS AGREEMENT made this 21 day of July, 1999, among the CITY OF HOLLYWOOD, a municipal corporation of the State of Florida, hereinafter referred to as HOLLYWOOD, the CITY OF DANIA BEACH, a municipal corporation of the State of Florida, hereinafter referred to as DANIA, and LIBERIA ECONOMIC AND SOCIAL DEVELOPMENT, INCORPORATED, a Florida corporation, hereinafter referred to as LIBERIA, whose post-office address is 2207 Raleigh Street, Hollywood, FL 33020.

WITNESSETH:

WHEREAS, LIBERIA is presently engaged in plans for the development and improvement of certain property within HOLLYWOOD, legally described as:

The NE 1/3 of the following parcel: The East 1/2 of the SE 1/4 of the NE 1/4 of the NE 1/4, Less the North 192 feet, the South 25 feet and less the East 35 feet thereof, Section 4, Township 51, South, Range 42 East, Broward County, Florida; And The North 192 feet of the East 1/2 of the SE 1/4 of the NE 1/4 of the NE 1/4, less the East 35 feet thereof, Section 4, Township 51 South, Range 42 East, Broward County, Florida. Said land situate, lying and being in the City of Hollywood, Broward County, Florida, and containing 106,730 square feet or 2.4502 Acres more or less.

WHEREAS, LIBERIA is providing for the installation of certain potable water and sanitary sewer lines to serve the Property, and such potable water and sanitary sewer lines are ultimately to be connected with and hooked up to certain facilities of HOLLYWOOD, which is unable at the present time to provide such hook-ups; and

WHEREAS, LIBERIA has requested permission from HOLLYWOOD to hook up to DANIA'S facilities on a temporary basis;

NOW, THEREFORE, it is hereby agreed and covenanted as follows:

1. HOLLYWOOD hereby grants LIBERIA permission to hook up and connect its potable water and sanitary sewer lines to DANIA'S lines and manhole(s) located at a point approved by the City Engineer of HOLLYWOOD (hereinafter referred to as the Engineer).
2. All of the aforesaid work by LIBERIA is to be done upon approval of the plans and specifications therefor, including materials and design flow, by the Engineer and HOLLYWOOD'S Director of Public Utilities.
3. All such installation, hook-up and connection, together with all materials and accessories thereto, are to be done at the sole cost and expense of LIBERIA.
4. Such temporary hook-up shall continue only until such time as HOLLYWOOD has provided for the installation of its facilities, at which time LIBERIA shall disconnect from

DANIA'S facilities and connect to HOLLYWOOD'S facilities within 90 days of notification by HOLLYWOOD of the availability of its facilities.

5. Upon disconnection from DANIA'S facilities and connection to HOLLYWOOD'S facilities, LIBERIA shall convey, without further consideration, by Absolute Bill of Sale, whatever portion of said facilities HOLLYWOOD desires to have at that time, together with necessary easements for repair and maintenance, and LIBERIA shall further pay to HOLLYWOOD whatever impact or connection fees are assessed for connection at that time and the regular potable water and sanitary sewer service charges imposed by HOLLYWOOD, as same may be changed or modified from time to time.

6. LIBERIA shall contract only with HOLLYWOOD for all potable water and sanitary sewer service.

7. LIBERIA shall solely be responsible for repair, maintenance and upkeep of said facilities while connected to DANIA'S facilities and shall properly repair and maintain same in accordance with the standards of HOLLYWOOD'S Public Utilities Department.

8. This agreement shall be recorded by HOLLYWOOD, at the cost of LIBERIA, and shall be binding on LIBERIA, its successors, assigns, or grantees, and all future owners and occupants of the Property.

9. DANIA shall make no attempt to expand its service area(s) by virtue of said temporary connection, nor make any claim of right adverse to that of HOLLYWOOD by virtue of said temporary hook-up.

10. LIBERIA shall hold harmless HOLLYWOOD from all damage to real or personal property occasioned or caused by the making of the water and sewer connections herein referred to, and shall also hold harmless HOLLYWOOD from all damages of any kind, nature or description which may arise as the result of the making of this agreement.

11. LIBERIA shall not sell, lease or give any right or privilege to utilize its potable water and sanitary sewer facilities to any other person whose property is outside that described herein nor allow any such connection, without the written agreement of HOLLYWOOD.

12. HOLLYWOOD reserves to the Engineer the right to decide all questions arising as to the proper performance of this agreement by HOLLYWOOD and LIBERIA.

13. No officer, employee or agent of HOLLYWOOD has the power to amend, modify or alter this agreement, waive any of its conditions, or bind HOLLYWOOD by making any promise or representation not contained herein.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year first above written.

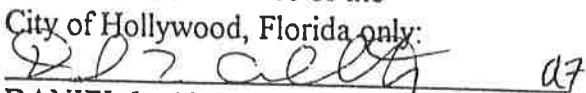
ATTEST:


PATRICIA A. CERNY, CMC/AAE
CITY CLERK

CITY OF HOLLYWOOD, a municipal corporation

By: 
MARA GIULIANTI, MAYOR

APPROVED AS TO FORM & LEGALITY
for the use and reliance of the
City of Hollywood, Florida only:

 a7
DANIEL L. ABBOTT, CITY ATTORNEY

ATTEST:

ACTING 
CITY CLERK

CITY OF DANIA BEACH

By: 
Mayor-John Bertino

By: 
City Manager-Michael Smith

APPROVED AS TO FORM & LEGALITY


THOMAS J. ANSBRO, CITY ATTORNEY

WITNESSES:

LIBERIA ECONOMIC AND SOCIAL
DEVELOPMENT, INCORPORATED

Wendy Justice

PRINT: Wendy Justice

Asher Soidwedel

PRINT: Asher Soidwedel

By: Henry L Graham

The foregoing instrument was acknowledged before me this 1st day of September, 1999 by HENRY L GRAHAM, PRESIDENT of LIBERIA ECONOMIC AND SOCIAL DEVELOPMENT, INCORPORATED, a Florida corporation, on behalf of the corporation.

Charlene Kaye Johnson

Notary Public

Print: CHARLENE KAYE JOHNSON

Commission No. _____

CHARLENE KAYE JOHNSON
Notary Public, State of Florida
My comm. exp. August 12, 2003
Comm. No. CC842100

Personally Known X OR Produced Identification _____
Type of Identification Produced _____

My commission expires:

REVISED
8-30-16

The School Board of Broward County, Florida
PRELIMINARY SCHOOL CAPACITY AVAILABILITY DETERMINATION

PLAT

SBBC-2092-2016

County Number: 007-MP-00 Municipality Number: TBD
Crispus Commons

August 9, 2016

Growth Management
Facility Planning and Real Estate Department
600 SE 3rd Avenue, 8th Floor
Fort Lauderdale, Florida 33301
Tel: (754) 321-2177 Fax: (754) 321-2179
www.browardschools.com

**PRELIMINARY SCHOOL CAPACITY AVAILABILITY DETERMINATION
PLAT**

PROJECT INFORMATION	NUMBER & TYPE OF PROPOSED UNITS	OTHER PROPOSED USES	STUDENT IMPACT
Date: August 9, 2016	Single-Family:		Elementary: 2
Name: Crispus Commons	Townhouse: 12		
SBBC Project Number: SBBC-2092-2016	Garden Apartments:		Middle: 1
County Project Number: 007-MP-00	Mid-Rise:		
Municipality Project Number: TBD	High-Rise:		High: 1
Owner/Developer: Liberia Economic and Social Development	Mobile Home:		
Jurisdiction: Hollywood	Total: 12		Total: 4

SHORT RANGE - 5-YEAR IMPACT

Currently Assigned Schools	Gross Capacity	LOS Capacity	Benchmark Enrollment	Over/Under LOS	Classroom Equivalent Needed to Meet LOS	% of Gross Capacity	Cumulative Reserved Seats
Bethune, Mary M.	1,106	1,108	689	-417	-23	62.3%	2
Attucks	1,227	1,227	639	-588	-26	52.1%	6
South Broward	2,289	2,289	2,116	-173	-6	92.4%	6

Currently Assigned Schools	Adjusted Benchmark	Over/Under LOS-Adj. Benchmark Enrollment	% Gross Cap. Adj. Benchmark	Projected Enrollment				
				18/17	17/18	18/19	19/20	20/21
Bethune, Mary M.	691	-415	62.5%	696	707	689	701	702
Attucks	645	-582	52.6%	616	608	587	572	555
South Broward	2,122	-167	92.7%	2,171	2,176	2,198	2,257	2,335

Students generated are based on the student generation rates contained in the currently adopted Broward County Land Development Code. Information contained herein is current as of the date of review. A traditional cohort survival methodology is used to project school-by-school District traditional school enrollment out over the next five years, and a proportional share of charter school enrollment is used to project future charter school enrollment by school level Districtwide. For more information: <http://www.broward.k12.fl.us/dsa/EnrollmentProj.shtml>. The annual benchmark enrollment is taken on the Monday following Labor Day and is used to apply individual charter school enrollment impacts against school facility review processes.

CHARTER SCHOOL INFORMATION

Charter Schools within 2-mile radius	2015-16 Contract Permanent Capacity	2015-16 Benchmark Enrollment	Over/(Under)	Projected Enrollment		
				16/17	17/18	18/19
New Life Charter Academy	550	97	-453	97	97	97

PLANNED AND FUNDED CAPACITY ADDITIONS IN THE ADOPTED DISTRICT EDUCATIONAL FACILITIES PLAN

School(s)	Description of Improvements
Bethune, Mary M.	There are no capacity additions scheduled in the ADEFP that will impact the FISH capacity of the school.
Attucks	There are no capacity additions scheduled in the ADEFP that will impact the FISH capacity of the school.
South Broward	There are no capacity additions scheduled in the ADEFP that will impact the FISH capacity of the school.

Students generated are based on the student generation rates contained in the currently adopted Broward County Land Development Code. Information contained herein is current as of the date of review. A traditional cohort survival methodology is used to project school-by-school District traditional school enrollment out over the next five years, and a proportional share of charter school enrollment is used to project future charter school enrollment by school level Districtwide. For more information: <http://www.broward.k12.fl.us/dsa/EnrollmentProj.shtml>. The benchmark enrollment count taken on the first Monday following Labor Day is used to apply individual charter school enrollment impacts against school facility review processes.

Comments

According to the County application, 7 (three bedroom) single family units exist on the site, which generate 4 (2 elementary, 1 middle and 1 high school) students. The plat application proposes 7 (three bedroom) single family units and 12 (three or more bedroom) townhouse units, which are anticipated to generate 7 (3 elementary, 2 middle and 2 high school) students for a net increase of 4 students. Information received by District staff indicates that the 7 single family units are built, therefore they were removed from the analysis because the students from these units are already factored into the student enrollment projections. Therefore the proposed unbuilt 12 (three or more bedroom) townhouse units are anticipated to generate 4 (2 elementary, 1 middle and 1 high school) additional students into Broward County Public Schools.

The school Concurrency Service Areas (CSA) impacted by the project in the 2015/16 school year include Bethune Elementary, Attucks Middle, and South Broward High Schools. Based on the Public School Concurrency Planning Document (PSCPD) and incorporating the cumulative students anticipated from this project and from approved and vested developments anticipated to be built within three years, each of the impacted schools is operating below the adopted Level of Service (LOS) of 100% gross capacity, and is expected to maintain the current status through the 2017/18 school year. It should be noted that the school capacity or Florida Inventory of School Houses (FISH) for the impacted schools reflects compliance with the class size constitutional amendment.

The charter schools located within a two-mile radius of the project site in the 2015/16 school year and their associated data are depicted above. Students returning, attending or anticipated to attend charter schools are factored into the five-year student enrollment projections for District schools. Enrollment projections are adjusted for all elementary, middle and high schools impacted by a charter school until the charter school reaches full enrollment status. To ensure maximum utilization of the impacted CSAs, the Board may utilize school boundary changes to accommodate students generated from developments in the County. Capital improvements scheduled in the currently Adopted District Educational Facilities Plan, FY 2015/16– 2019/20, regarding pertinent impacted public schools are depicted above.

Therefore, this application is determined to satisfy public school concurrency on the basis that adequate school capacity is anticipated to be available to support the residential development as currently proposed by the applicant. This preliminary determination shall be valid until the end of the current school 2015/16 year or 180 days, whichever is greater, for a maximum of 7 (four or more bedroom) single family units and 12 (three or more bedroom) townhouse units and conditioned upon final approval by the applicable governmental body. As such, this determination shall expire on February 4, 2017. This preliminary school concurrency determination shall be deemed to be void unless prior to the referenced expiration of the Preliminary School Capacity Availability Determination (SCAD), notification of final approval to the District has been provided and/or an extension of this Preliminary SCAD has been requested in writing and granted by the School District. Upon the District's receipt of sufficient evidence of final approval which shall specify at the minimum the number, type and bedroom mix for the approved residential units, the District will issue and provide a final SCAD letter for the approved units, which shall ratify and commence the vesting period for the approved residential project.


Please be advised that if a change is proposed to the development, which increases the number of students generated by the project, the additional students will not be considered vested for public school concurrency.

SBBC-2092-2016 Meets Public School Concurrency Requirements

☒ Yes ☐ No

Reviewed By:

8/9/16
Date


Signature

Lisa Wight

Name

Planner

Title

DRAINAGE CALCULATION
FOR
CRISPUS COMMONS TOWNHOMES
HOLLYWOOD, FLORIDA
DECEMBER, 2016

Prepared By:

Gator Engineering Associates, Inc.
11390 Temple Street
Cooper City, Florida 33330

GEA Project No. 16074

Signed: _____
Regina Bobo-Jackson, P.E.
P.E. No. 0038550
Dated: _____
Pages 1-10

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II. GIVEN PARAMETERS	3
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IV. WATER QUALITY COMPUTATIONS	4
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I. INTRODUCTION

The project, Crispus Commons Townhomes, are proposed on a 53,996 square feet (1.24 Ac) site located at within the City of Hollywood, Broward County, Florida. The project proposes the development of a 12 townhome units (6 building).

The site drainage is design to satisfy the Broward County Surface Water Management Division and SFWMD drainage criteria and regulations.

II. GIVEN PARAMETERS

- The average wet season water table is 0.5' NAVD.
- Flood Zone: "AE", Base Flood Elevation: 7.0' NAVD
Map No.: 12011C0308F Community Panel No.: 125113
- The average existing site grade is 5.19' NAVD
- Site elevations

Road Crown (NW 22 Ave/ Evans Street) Highest Elevation = + 5.35' NAVD

Proposed Finish Floor Elevation = 7.00' NAVD

III. SITE BREAKDOWN

	EXISTING	PROPOSED
• Total	(1.24 Ac)	(1.24 Ac)
• Impervious		
Buildings	(0.00 Ac)	(0.29 Ac)
Driveways, Walkways and Pool	(0.00 Ac)	(0.26 Ac)
• Pervious	(1.24 Ac)	(0.69 Ac)

IV. WATER QUALITY COMPUTATIONS

A. Water Quality

1. Compute the first inch of runoff from the entire developed site.
 $1 \text{ in.} \times 1.24 \text{ ac} \times 1 \text{ ft}/12 \text{ in}$
 $= \underline{0.103 \text{ ac-ft}}$ for the first inch of runoff
2. Compute 2.5 in. x percentage of imperviousness.
 - a. Site area, for water quality pervious/impervious calculation only
Total project - (pond + buildings)
 $= 1.24 \text{ ac.} - (0 \text{ ac} + 0.29 \text{ ac}) = 0.95 \text{ Ac.}$
 $= 0.95 \text{ ac.}$ of site area, for water quality pervious/impervious.
 - b. Impervious area, for water quality pervious/impervious calculation only
 $= (\text{Site area for water quality pervious/impervious}) - \text{pervious area}$
 $= 0.95 - 0.69 = 0.26 \text{ ac.}$
 $= 0.26 \text{ ac.}$ of impervious area, for water quality pervious/impervious.
 - c. Percentage of imperviousness for water quality.
 $= \frac{(\text{Impervious area of water quality})}{\text{site area for water quality}} \times 100 \%$
 $= \frac{0.26 \text{ ac.}}{0.95 \text{ ac.}} \times 100$
 $= \underline{27.37 \%}$ impervious
 - d. For 2.5 inches x percentage of impervious
 $= 2.5 \text{ in.} \times 0.2737$
 $= \underline{0.68 \text{ in.}}$ to be treated
 - e. Compute volume required for quality detention
 $= \text{inches to be treated} \times (\text{total site} - \text{pond})$
 $= 0.68 \text{ in.} \times (1.24 \text{ ac} - 0 \text{ ac}) \times 1 \text{ ft}/12 \text{ in} = 0.07 \text{ ac-ft}$
 $= 0.07 \text{ Ac.-ft.}$ required detention storage
Since 0.07 ac-ft is less than 0.103ac-ft computed for the first inch of runoff, the volume of 0.103 ac-ft controls.

- B. Swale A = 4,590.00 CF
Swale B = 538.71 CF
Swale C = 1,319.09 CF
Swale D = 3,069.90 CF
Swale E = 2,923.63 CF
Swale F = 3,400.96 CF
Total Volume in Swales = 15,842.29 CF

C. Trench Design

1. Computation of Trench Volume.

$$L = V / (K(2H_2D_u - D_u^2 + 2H_2D_s) + (1.39 \times 10^{-4}) WD_u) \text{ when } D_s > D_u$$

L = Length of trench required (feet)

V = Volume to be exfiltrated (cf)

W = Trench width (feet)

K = Hydraulic Conductivity (cfs/ft²- ft. head)

H₂ = Depth to water table (feet)

D_u = Non-saturated trench depth (feet)

D_s = Saturated trench depth (feet)

In this project: See section page 6.

$$V = 0.90 \text{ Ac-in}$$

$$W = 4.00 \text{ ft}$$

$$K = 1.00 \times 10^{-4} \text{ (assumed)}$$

$$H_2 = 5.00 \text{ ft}$$

$$D_u = 4.00 \text{ ft}$$

$$D_s = 0.00 \text{ ft}$$

$$L = 0.90 / (1.00 \times 10^{-4} (2(5.00)(4.00) - (4.00)(4.00) + 2(5.00)(0.00)) + 1.39 \times 10^{-4} (4.00)(4.00)) =$$

$$L = \underline{135.87 \text{ LF}} ; 136 \text{ LF used in a double trench}$$

V. PRE VS POST-DESIGN STAGE COMPUTATIONS

a. Stage-Storage Computations

Stage storage was calculated for the pre-design and post-design (no discharge) (See pages 7 TO 10). The volume achieved in the swales and trench was added to the post-design (no discharge) stage storage values. The 25 year, 3 day – No discharge and the 100 year, and the 3 day – No discharge flood routing was calculated for both the pre and post-design.

b. Compute Soil Storage

= (pervious acres /total site acres) x soil storage available under previous area

Pre-Design = (1.24 ac/1.24 ac) 8.18 in. = 8.18 in of soil storage available over the entire site.

Post-Design = (0.69 ac/1.24 ac) 8.18 in. = 4.55 in of soil storage available over the entire site.

c. Pre-design \geq Post-design Maximum Stages

Pre-design Maximum Stages = (25 year, 3 day, No discharge – See Page 8) = 4.68’
(100 year, 3 day, No discharge – See Page 9) = 4.87’

Post-design Maximum Stages = (25 year, 3 day, No discharge –See Page 10) = 4.61’
(100 year, 3 day, No discharge – See Page 11) = 4.80’

Note, that Maximum Stages of the pre vs the post values were reduced.

Project Name: Crispus Commons TH

Reviewer: RBJ

Project Number: 16074

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: Project Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 25 year

3 Day Rainfall: 14 inches

Area: 1.24 acres

Ground Storage: 8.18 inches

Time of Concentration: 0.1 hours

Initial Stage: 2.4 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
3.00	0.05
3.50	0.17
4.00	0.36
4.50	0.66
5.00	1.11
5.50	1.71
6.00	2.47
6.50	3.37
7.00	4.42

User Specified Rainfall Distribution: User1

Time (hr)	Rainfall (percent)
0.00	0.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
-------	-----------	-----------	-----------	-----------

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Project Site	4.68	73.00	2.40	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Project Site	0.77	0.00	0.00	0.05	0.82	0.00

Project Name: Crispus Commons TH

Reviewer: RBJ

Project Number: 16074

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: Project Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 100 year

3 Day Rainfall: 16.0001 inches

Area: 1.24 acres

Ground Storage: 8.18 inches

Time of Concentration: 0.1 hours

Initial Stage: 2.4 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
3.00	0.05
3.50	0.17
4.00	0.36
4.50	0.66
5.00	1.11
5.50	1.71
6.00	2.47
6.50	3.37
7.00	4.42

User Specified Rainfall Distribution: User1

Time (hr)	Rainfall (percent)
0.00	0.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
-------	-----------	-----------	-----------	-----------

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Project Site	4.87	73.00	2.40	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Project Site	0.95	0.00	0.00	0.05	1.00	0.00

Project Name: Crispus Commons TH

Reviewer: RBJ

Project Number: 16074

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: Project Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 25 year

3 Day Rainfall: 14 inches

Area: 1.24 acres

Ground Storage: 4.55 inches

Time of Concentration: 0.1 hours

Initial Stage: 3 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
3.00	0.41
3.50	0.65
4.00	0.93
4.50	1.31
5.00	1.81
5.50	2.46
6.00	3.23
6.50	4.13
7.00	5.17

User Specified Rainfall Distribution: User1

Time (hr)	Rainfall (percent)
0.00	0.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
=====	=====	=====	=====	=====

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
=====	=====	=====	=====	=====
Project Site	4.61	73.00	3.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
=====	=====	=====	=====	=====	=====	=====
Project Site	1.00	0.00	0.00	0.41	1.42	0.00

Project Name: Crispus Commons TH

Reviewer: RBJ

Project Number: 16074

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: Project Site

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 100 year

3 Day Rainfall: 16.0001 inches

Area: 1.24 acres

Ground Storage: 4.55 inches

Time of Concentration: 0.1 hours

Initial Stage: 3 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
3.00	0.41
3.50	0.65
4.00	0.93
4.50	1.31
5.00	1.81
5.50	2.46
6.00	3.23
6.50	4.13
7.00	5.17

User Specified Rainfall Distribution: User1

Time (hr)	Rainfall (percent)
0.00	0.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
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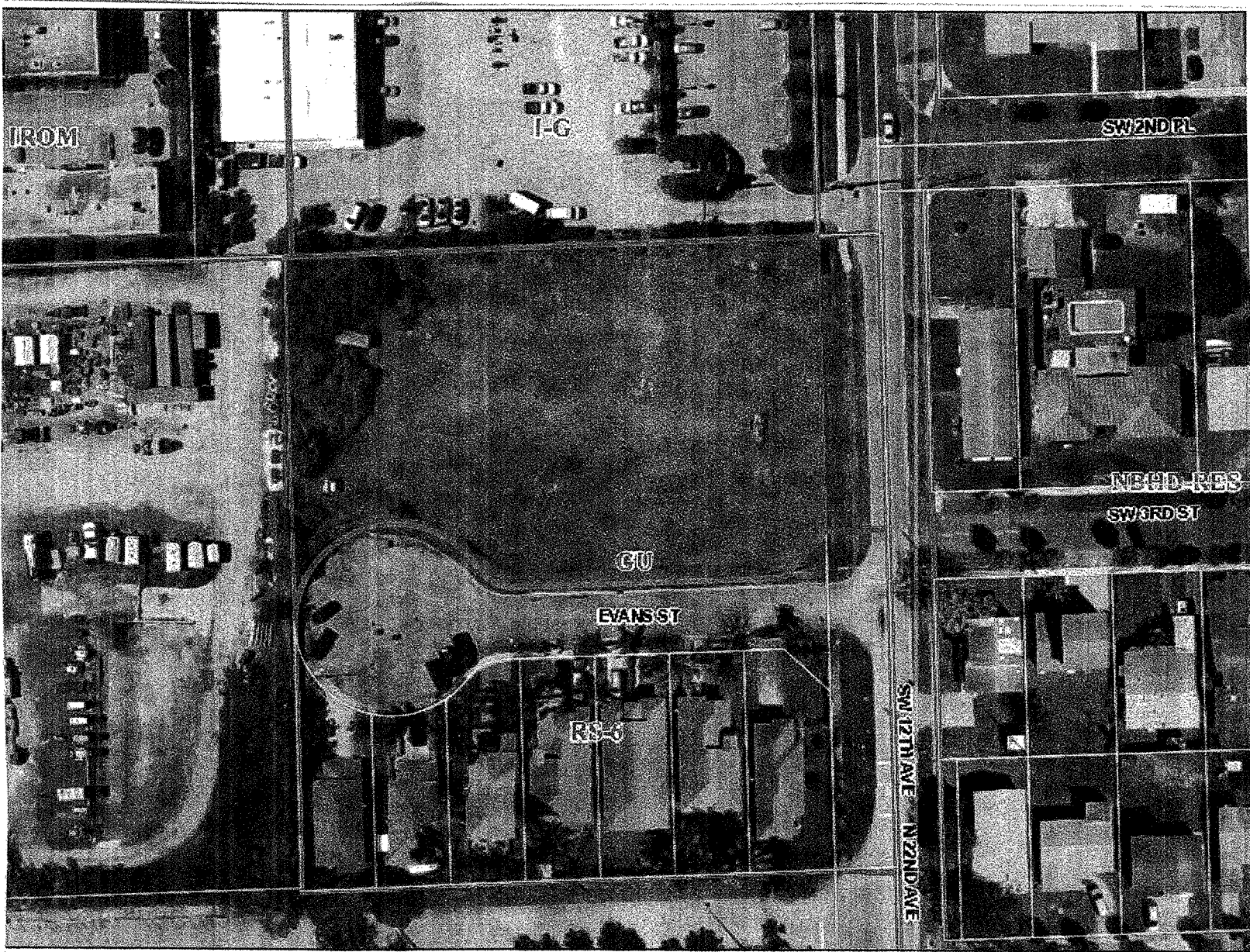
BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Project Site	4.80	73.00	3.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Project Site	1.20	0.00	0.00	0.41	1.61	0.00

TOWNHOMES
AT
CRISPUS COMMONS PARCEL A
PHASE 2
HOLLYWOOD, FLORIDA



LOCATION MAP



PROPOSED PLANS
FOR CRISPUS COMMONS PARCEL A
EVANS STREET & NORTH 22 AVENUE
HOLLYWOOD, FLORIDA

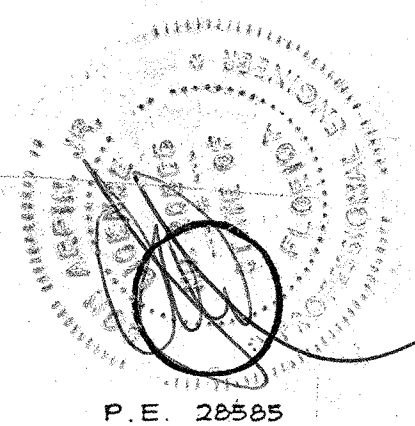
SHEET INDEX

SHEET #	DESCRIPTION
	COVER SHEET.
	COLOR RENDERING, STREET PROFILE & COLOR CHIPS.
	EROSION AND SEDIMENT CONTROL & DEMOLITION PLANT.
C-1	CIVIL PLAN.
C-2	DETAILS.
C-3	DETAILS.
C-4	DETAILS.
TS-1	TREE SURVEY.
LP-1	LANDSCAPE PLAN.
IR-1	IRRIGATION PLAN.
IR-2	IRRIGATION NOTES AND DETAILS.
IR-3	IRRIGATION NOTES AND DETAILS.
SP-1	SITE PLAN, SITE DATA AND SIGN INFORMATION.
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 MEETING JANUARY 17, 2017

#1 REVISION
12-22-16

DONALD ARPIN JR.
A.G.K. LLC, COA # 26079 P.E. 28585
4920 NORTH DIXIE HWY. 33334
OAKLAND PARK, FLORIDA
PH. # 954-712-8345 FAX. # 954-712-7478
Email: arpin2@bellsouth.net





South View - East



South View - Center



South View - West



West View



Crispus Commons Phase II – Color Rendering



East View



East View - North



North View - East



North View - Center



North View - West

Filtered Sunlight
2154-60

Linen Sand
2151-60

Hazelnut Cream
2161-60

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 THIS 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 STABILIZED.

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.

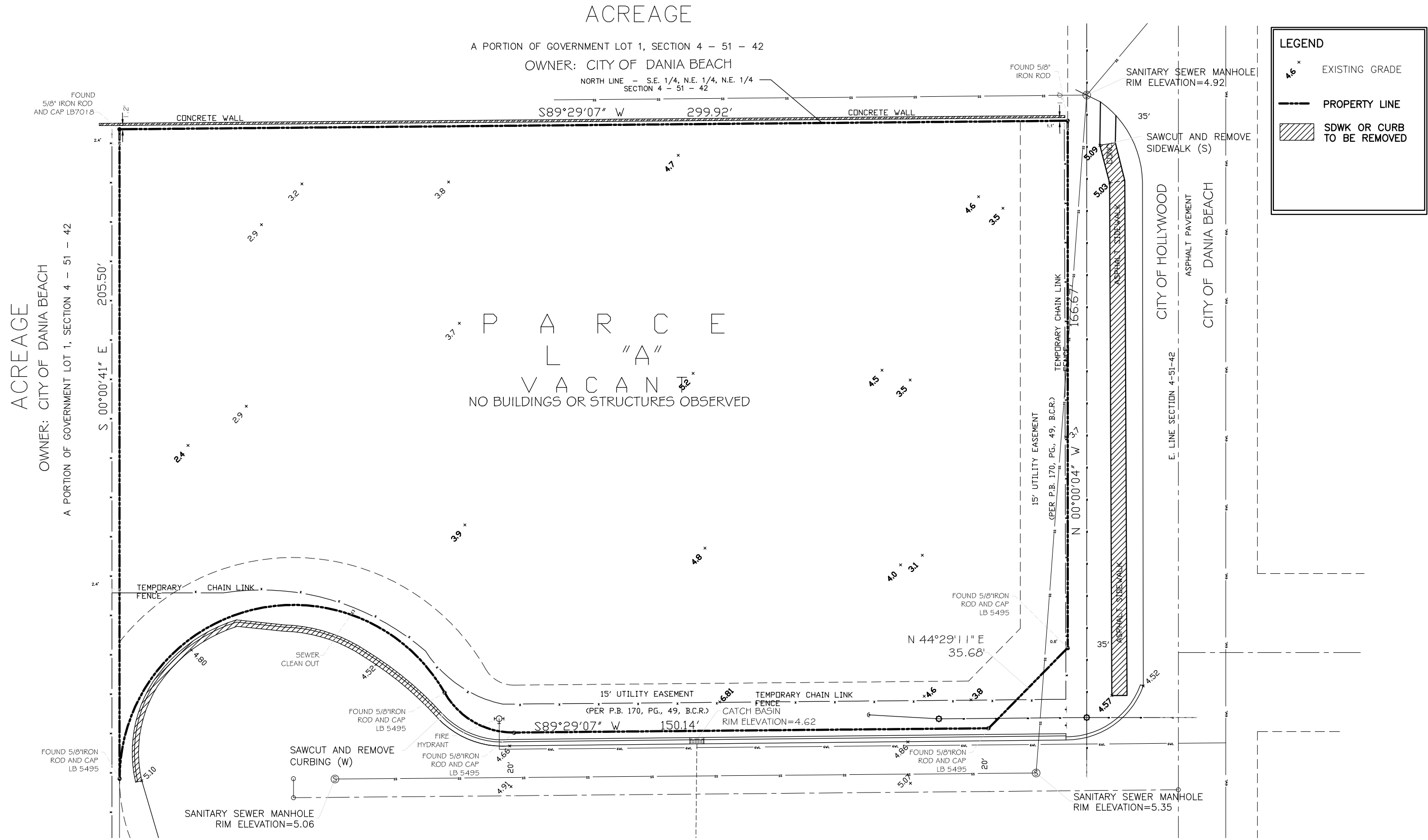
19. ALL DEATERING, EROSION, AND SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL AFTER COMPLETION OF CONSTRUCTION AND SHALL BE REMOVED WHEN AREAS HAVE BEEN STABILIZED.

DEMOLITION NOTES

1. CLEAR AND GRUB SITE AS MAY BE REQUIRED AND REMOVE ITEMS AS INDICATED ON THE PLANS FOR DEMOLITION.

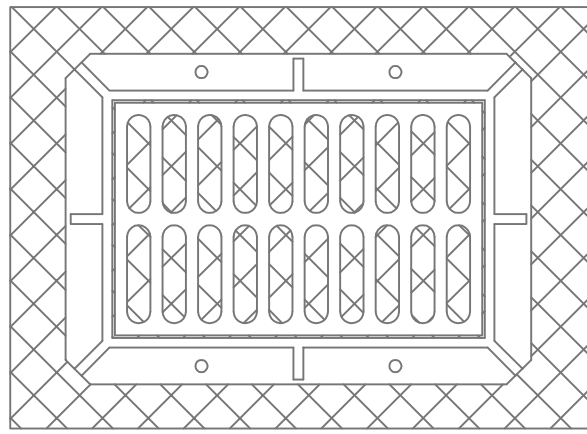
2. ALL REMOVED MATERIAL ARE THE PROPERTY OF THE CONSTRCTOR AND SHALL BE PROPERLY DISPOSED OF AS SOON AS POSSIBLE.

3. CONTRACTOR IS TO MAINTAIN A CLEAN SITE AT ALL TIMES.

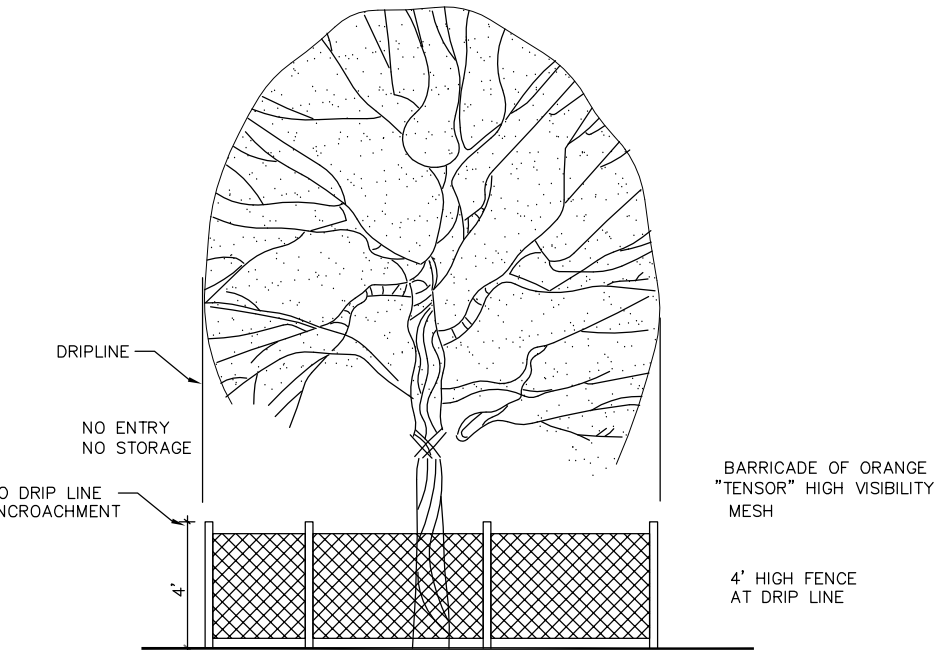


EROSION AND SEDIMENT CONTROL & DEMOLITION PLAN

SCALE: 1" = 30'

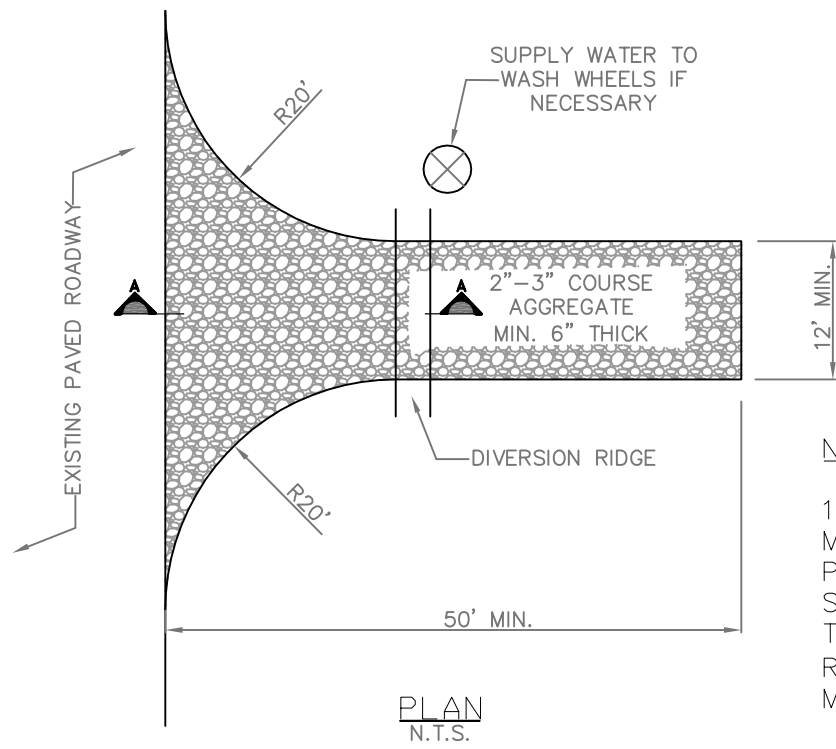


INLET PROTECTION
N.T.S.

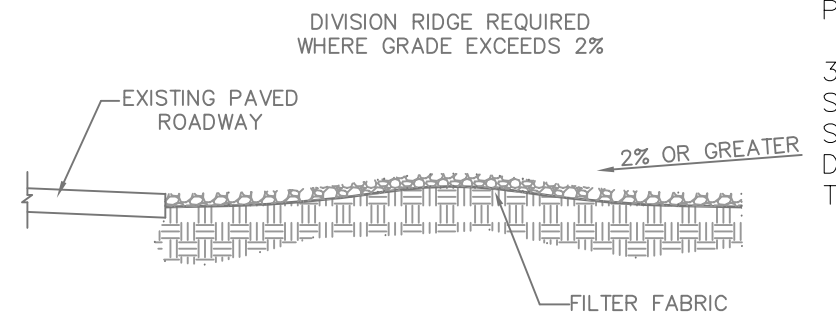


TREE PRESERVATION
BARRICADE FENCING DETAIL
N.T.S.

NOTE: INSTALL FILTER FABRIC UNDER ALL GRATES TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM ENTERING THE SYSTEM.



PLAN
N.T.S.

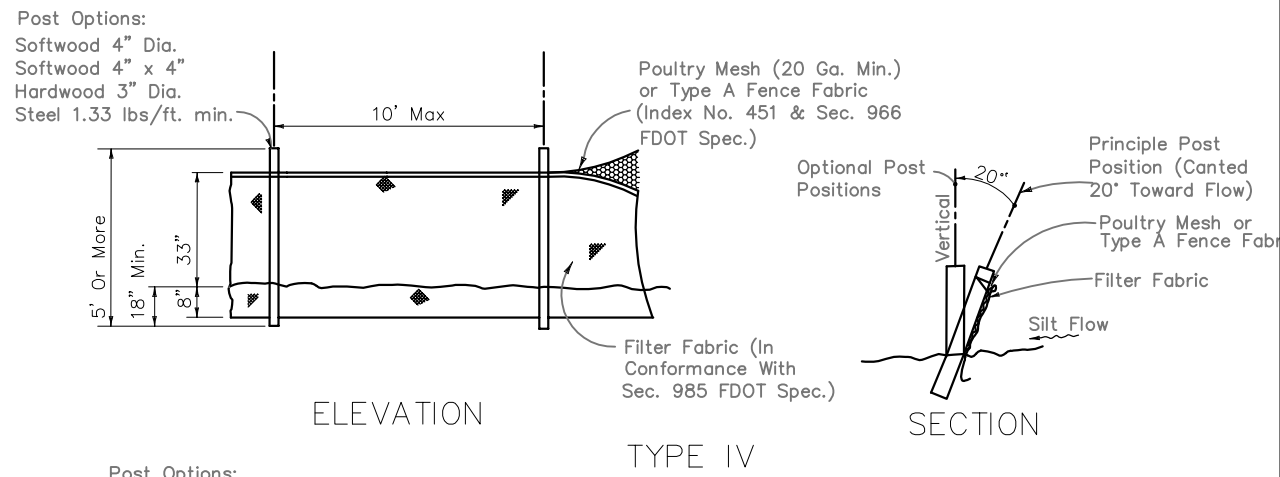


SECTION A-A
N.T.S.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
N.T.S.

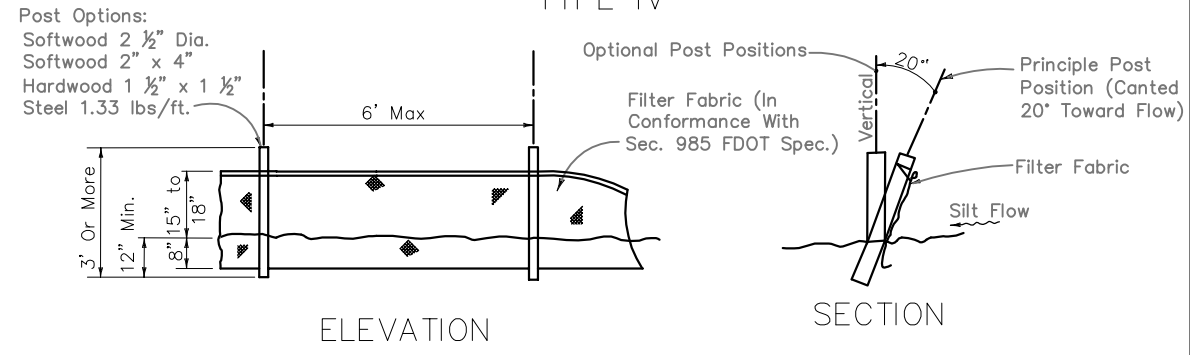
NOTES:

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 SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



ELEVATION
TYPE IV

SECTION

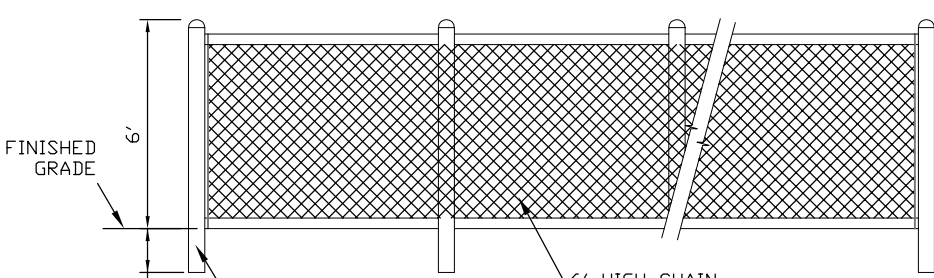


ELEVATION
TYPE III

SECTION

NOTE: FOR SILT FENCE APPLICATIONS AND NOTES, SEE SHEET 3 OF 3 FOOT INDEX No. 102.

SILT FENCE DETAIL
N.T.S.



CONSTRUCTION FENCE DETAIL
N.T.S.

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 RESETTNG 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. CONSTRUCTOR IS TO ENSURE FLOW TO THE DRAINAGE STRUCTURE.
4. PAVEMENT MARKINGS SHALL BE FDOT REFLECTIVE PAINT EXCEPT AT ENTRANCE WHERE IT SHALL BE THERMOPLASTIC.

SITE CALCULATIONS:

BUILDING FOOTPRINT	12,684.28	SQ FT	23.49 %
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 %
TOTAL PERVIOUS AREA	30,014.50	SQ FT	55.59 %
TOTAL IMPERVIOUS AREA	23,981.50	SQ FT	44.41 %



11390 TEMPLE STREET
COOPER CITY, FL 33330
TEL: (954) 434-5905 FAX: (954) 434-5904
CERTIFICATE OF AUTHORIZATION NUMBER 90230

DATE: REGINA BOBO-JACKSON, P.E.
TEL: (954) 434-5905 FAX: (954) 434-5904
CERTIFICATE OF AUTHORIZATION NUMBER 90230

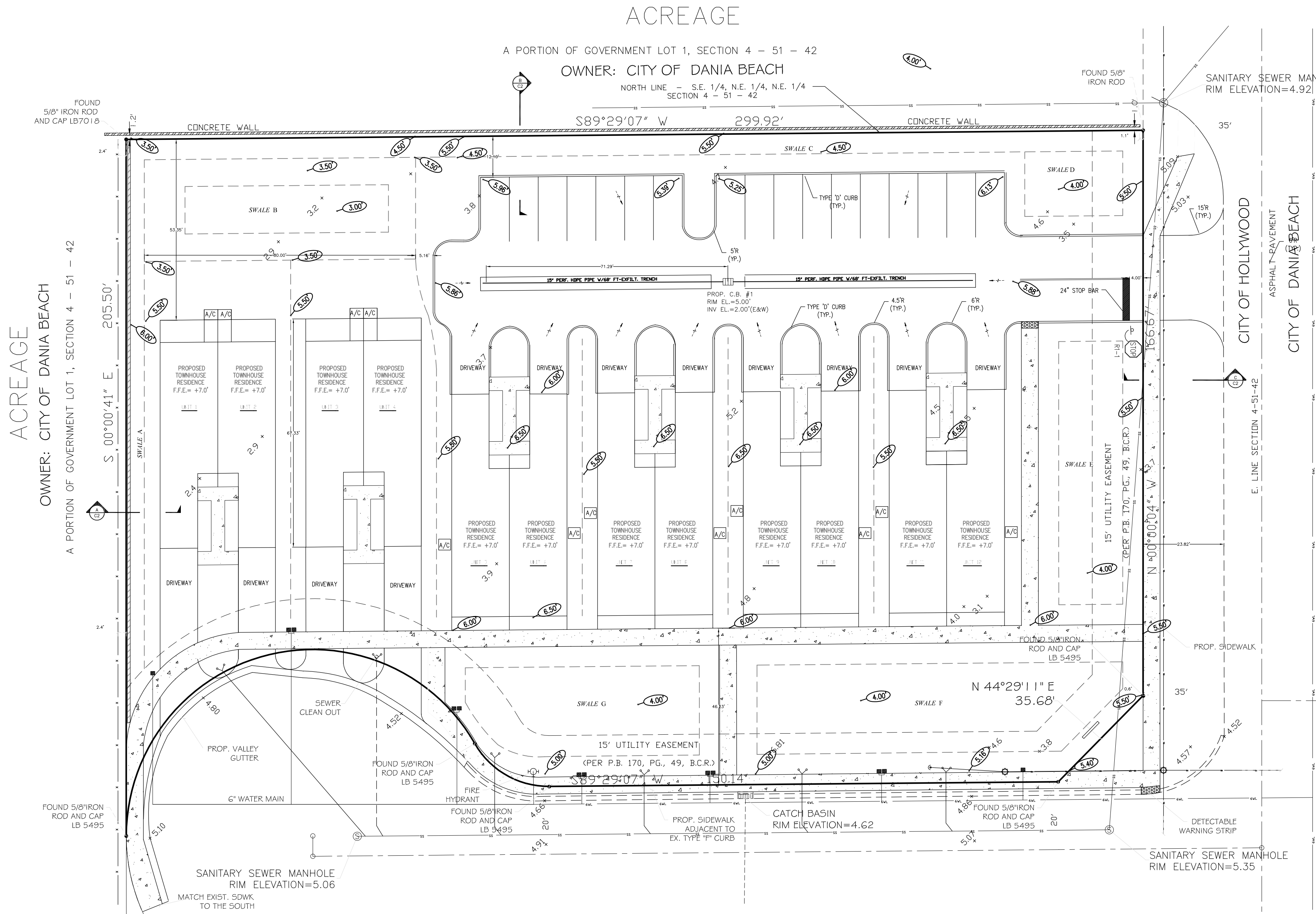
CRISPUS COMMONS TOWNHOMES
EVANS STREET & NORTH 22ND AVENUE
HOLLYWOOD, FLORIDA

REVISIONS	DESCRIPTION
NO.	DATE

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

SHEET TITLE
CIVIL PLAN

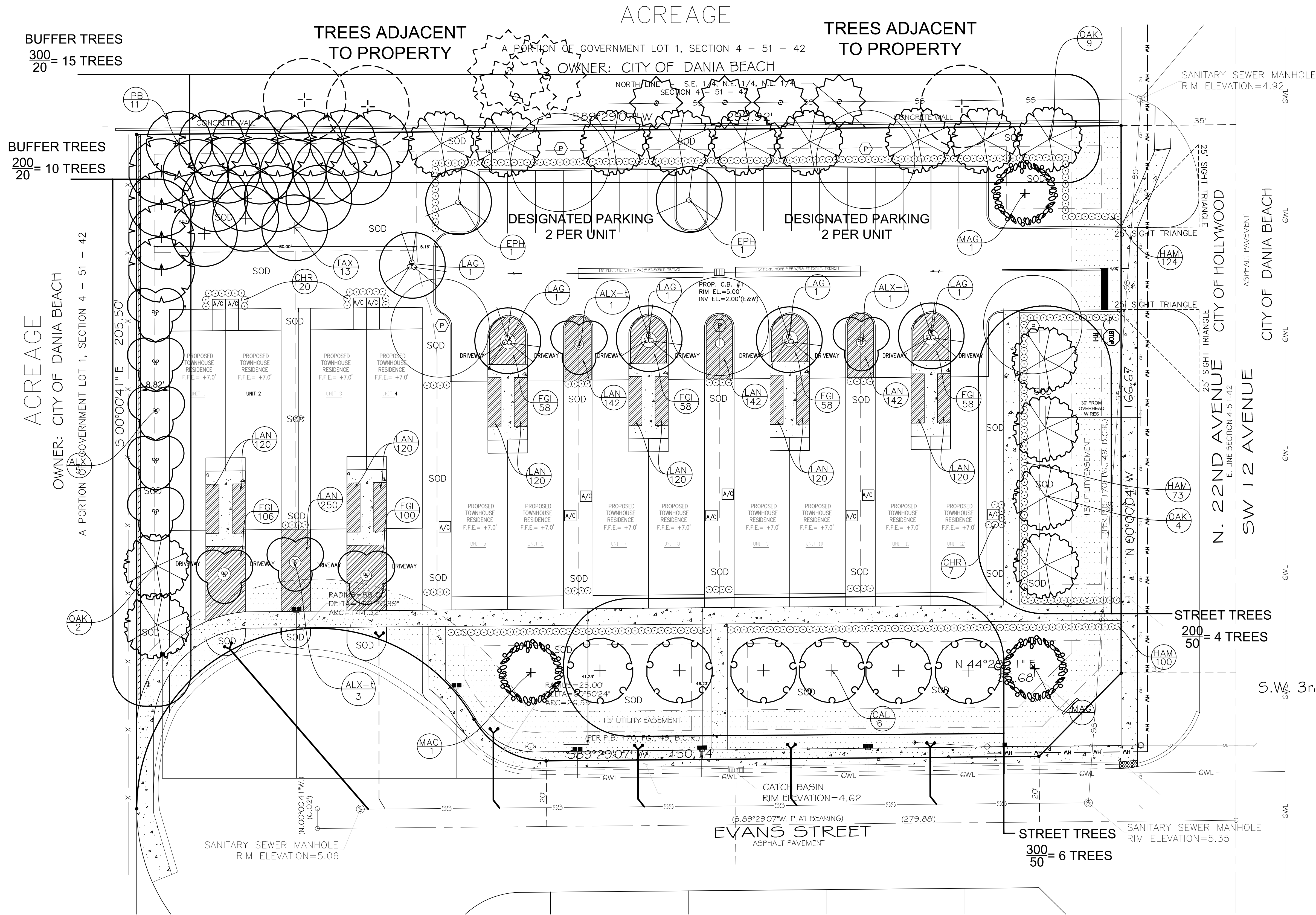
C2 OF 4



CIVIL PLAN
SCALE: 1" = 20'

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DRI00000AL000A000	1120022000T	2000000000
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T0TALAR00A	00000600000T	1000000000
T0TAL00R0000AR00A	00001000000T	0000000000
T0TALIM00R0000AR00A	20008100000T	0000100000

PROVIDED	RECORDED	
10 TREES	YES	<p> <u>RIM T R LAND CA</u> <u>R</u> <u>N</u> 1 <u>T</u> <u>R</u> <u>T</u> <u>R</u> <u>R</u> <u>L</u> <u>I</u> <u>N</u> <u>A</u> <u>R</u> <u>T</u> <u>R</u> <u>C</u> <u>O</u> <u>R</u> <u>T</u> <u>I</u> <u>N</u> <u>T</u> <u>O</u> <u>R</u> <u>I</u> <u>N</u> <u>T</u> <u>R</u> <u>I</u> <u>T</u> <u>A</u> <u>N</u> <u>T</u> <u>R</u> <u>O</u> <u>B</u> <u>E</u> <u>R</u> <u>T</u> <u>R</u> <u>I</u> <u>N</u> <u>A</u> <u>D</u> <u>I</u> <u>M</u> <u>R</u> <u>I</u> <u>M</u> <u>N</u> <u>T</u> <u>A</u> <u>R</u> <u>R</u> <u>D</u> </p>
30 TREES	YES	<p> <u>R</u> <u>E</u> <u>N</u> <u>A</u> <u>C</u> <u>N</u> <u>T</u> <u>R</u> <u>O</u> <u>R</u> 1 <u>R</u> <u>I</u> <u>T</u> <u>I</u> <u>N</u> <u>C</u> <u>L</u> <u>D</u> <u>I</u> <u>N</u> <u>A</u> <u>N</u> <u>R</u> <u>A</u> <u>C</u> <u>T</u> <u>I</u> <u>O</u> <u>N</u> <u>R</u> <u>I</u> <u>N</u> <u>T</u> <u>A</u> <u>R</u> <u>A</u> <u>R</u> <u>A</u> <u>R</u> <u>I</u> <u>O</u> <u>R</u> <u>A</u> <u>R</u> <u>A</u> <u>R</u> <u>T</u> <u>O</u> <u>D</u> <u>D</u> <u>O</u> <u>R</u> <u>L</u> <u>A</u> <u>N</u> <u>D</u> <u>C</u> <u>A</u> <u>D</u> <u>I</u> <u>L</u> <u>I</u> <u>N</u> <u>L</u> <u>A</u> <u>N</u> <u>T</u> <u>M</u> <u>A</u> <u>T</u> <u>R</u> <u>I</u> <u>A</u> <u>L</u> </p>
25 TREES	YES	<p> <u>RIM T R</u> <u>R</u> 1 <u>T</u> <u>R</u> <u>O</u> <u>R</u> 2 <u>L</u> <u>O</u> <u>R</u> <u>RIM T R</u> </p>
YES	YES	<p> <u>T</u> <u>R</u> <u>I</u> <u>A</u> <u>N</u> <u>L</u> <u>R</u> <u>C</u> <u>R</u> <u>N</u> <u>R</u> <u>L</u> <u>I</u> <u>T</u> <u>A</u> <u>T</u> <u>A</u> <u>N</u> <u>C</u> <u>T</u> <u>A</u> <u>N</u> <u>C</u> <u>T</u> <u>R</u> <u>I</u> <u>A</u> <u>N</u> <u>L</u> <u>M</u> <u>A</u> <u>T</u> <u>O</u> <u>R</u> <u>I</u> <u>D</u> </p>
YES	YES	<p> <u>C</u> <u>I</u> <u>C</u> <u>L</u> <u>A</u> <u>R</u> <u>A</u> 2 <u>T</u> <u>O</u> <u>T</u> <u>A</u> <u>L</u> <u>A</u> <u>N</u> <u>D</u> <u>C</u> <u>A</u> <u>D</u> </p>
YES	YES	<p> <u>I</u> <u>R</u> <u>R</u> <u>I</u> <u>A</u> <u>T</u> <u>I</u> <u>N</u> <u>R</u> <u>I</u> <u>D</u> <u>I</u> <u>R</u> <u>R</u> <u>I</u> <u>A</u> <u>T</u> <u>I</u> <u>N</u> <u>C</u> <u>R</u> <u>A</u> <u>O</u> <u>A</u> <u>N</u> <u>A</u> <u>C</u> <u>T</u> <u>M</u> <u>A</u> <u>T</u> <u>I</u> <u>C</u> <u>R</u> <u>L</u> <u>I</u> <u>N</u> <u>A</u> <u>R</u> <u>T</u> <u>M</u> <u>O</u> <u>D</u> <u>I</u> <u>N</u> <u>A</u> <u>N</u> <u>D</u> <u>A</u> <u>N</u> <u>C</u> <u>I</u> <u>N</u> <u>T</u> <u>R</u> <u>C</u> <u>T</u> <u>D</u> <u>I</u> <u>N</u> <u>A</u> <u>C</u> <u>C</u> <u>R</u> <u>D</u> <u>A</u> <u>N</u> <u>C</u> <u>I</u> <u>T</u> <u>A</u> <u>N</u> <u>C</u> <u>I</u> <u>T</u> <u>C</u> <u>I</u> <u>L</u> <u>L</u> <u>O</u> <u>D</u> <u>C</u> <u>D</u> <u>R</u> <u>O</u> <u>L</u> <u>A</u> <u>T</u> <u>I</u> <u>N</u> <u>C</u> <u>I</u> <u>T</u> <u>O</u> <u>T</u> <u>L</u> <u>L</u> <u>R</u> <u>I</u> <u>D</u> <u>A</u> <u>T</u> <u>R</u> <u>M</u> <u>A</u> <u>N</u> <u>A</u> <u>M</u> <u>N</u> <u>T</u> <u>D</u> <u>I</u> <u>T</u> <u>R</u> <u>I</u> <u>C</u> <u>T</u> </p>

[illegible]

GRAPHIC KEY

##

EXISTING TREE TO REMAIN

##

NEW LOCATION OF EXISTING TREE TO BE RELOCATED

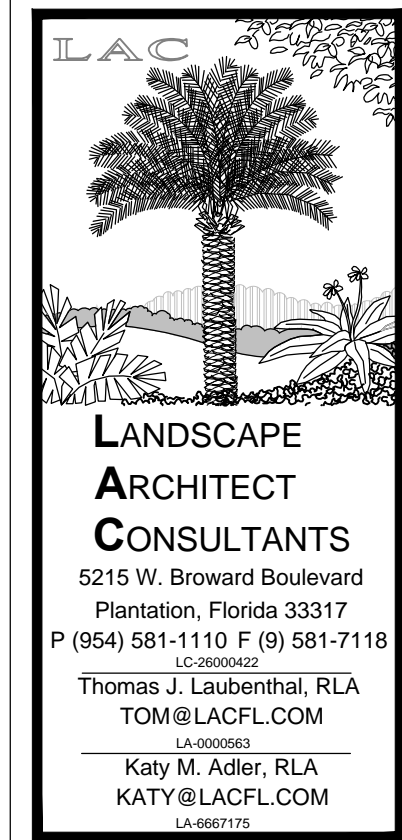


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[illegible]

DATE:	12-22-16
SCALE:	1" = 16'
DRAWING BY:	AD
DESIGNED BY:	AD

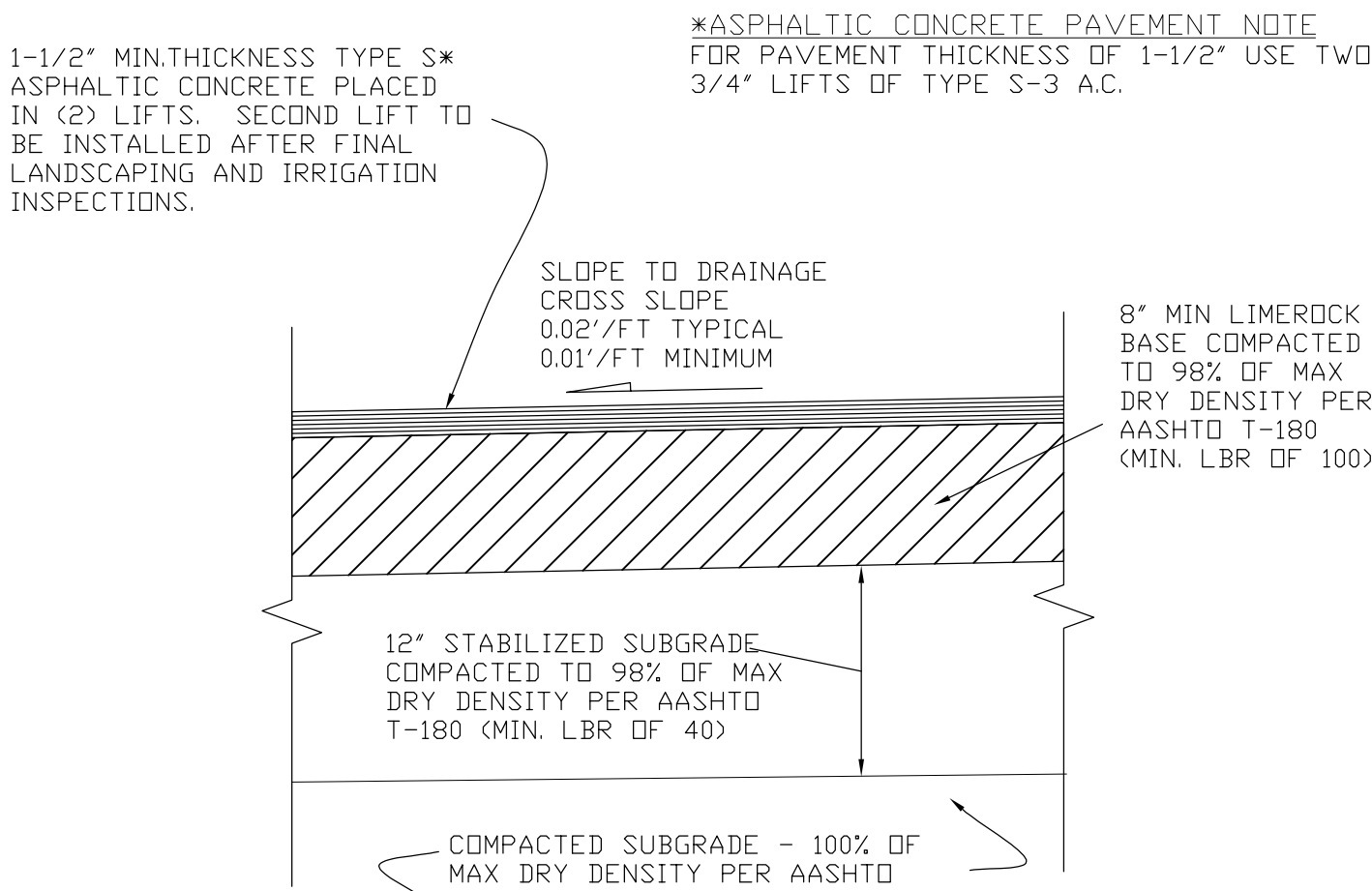
PROJECT: CRISPUS COMMONS PARCEL A
BROWARD COUNTY
HOLLYWOOD, FLORIDA

LANDSCAPE PLAN:

PROJECT NO.
16-082

SHEET:
LP-2 of 1

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

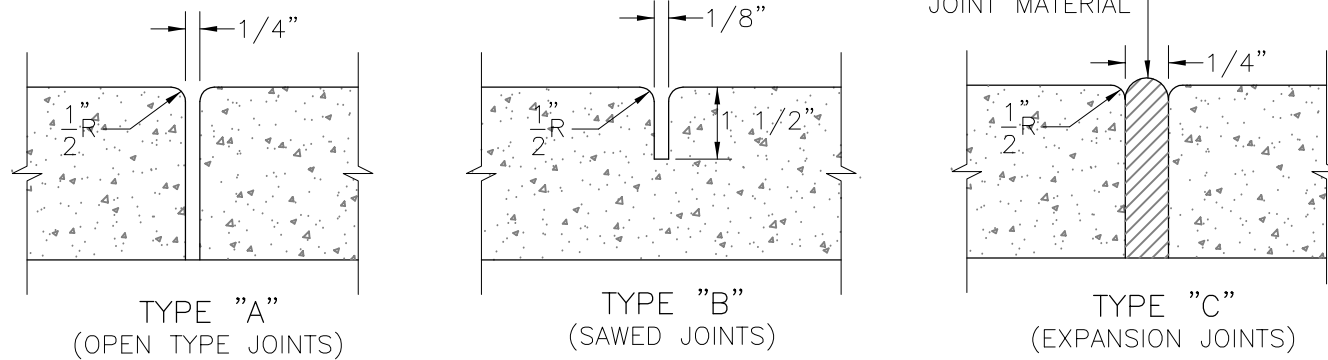
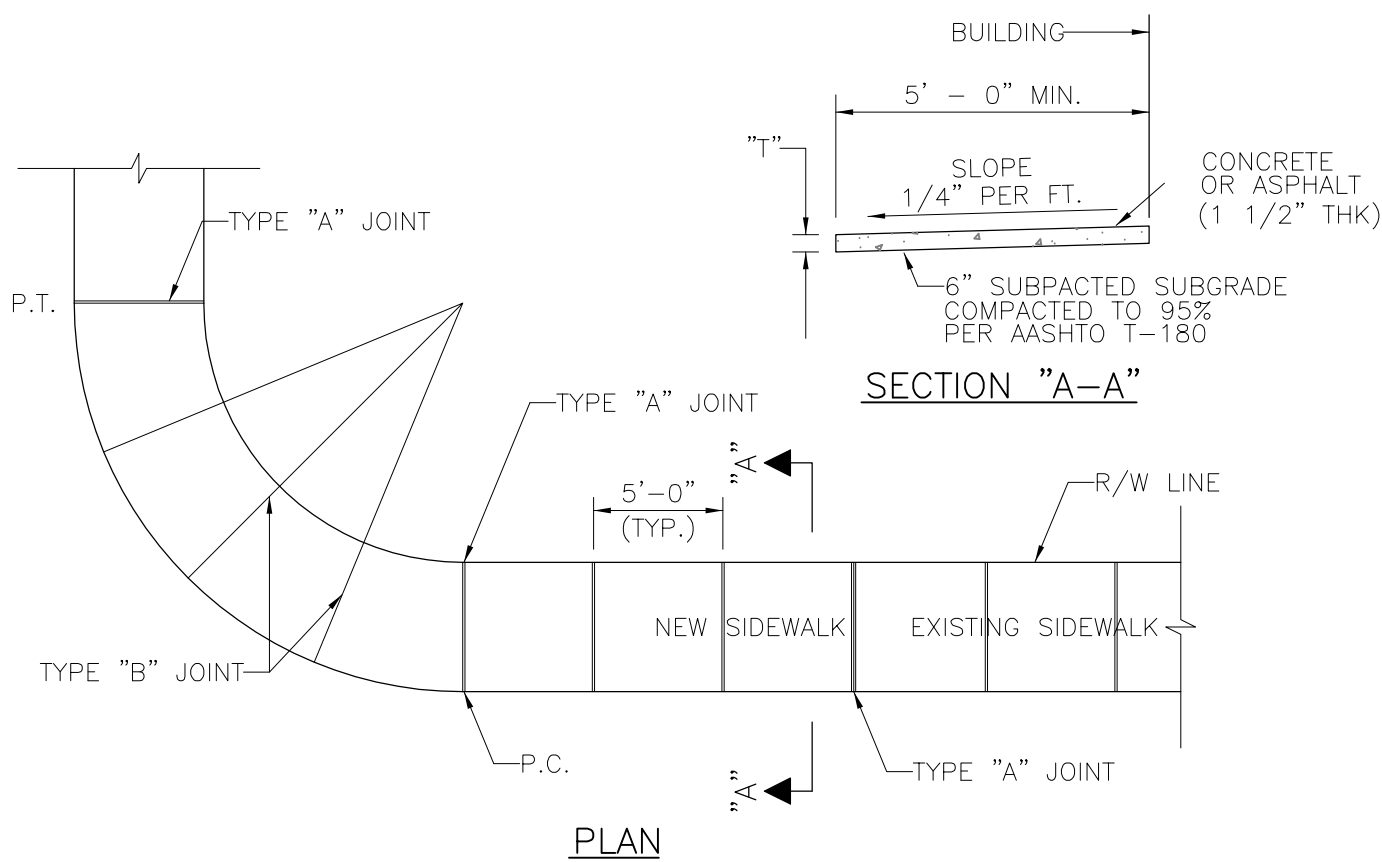


NOTES:

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 FDOT 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 FDOT 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



SIDEWALK JOINTS

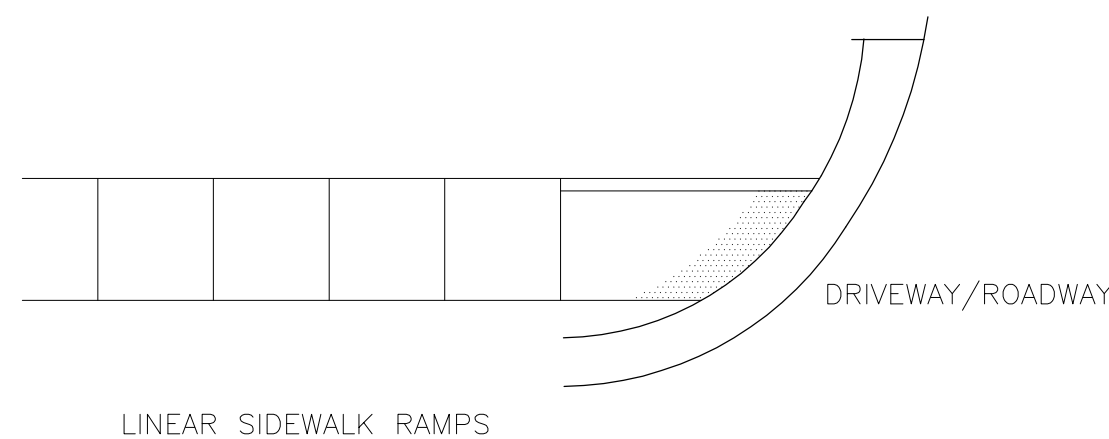
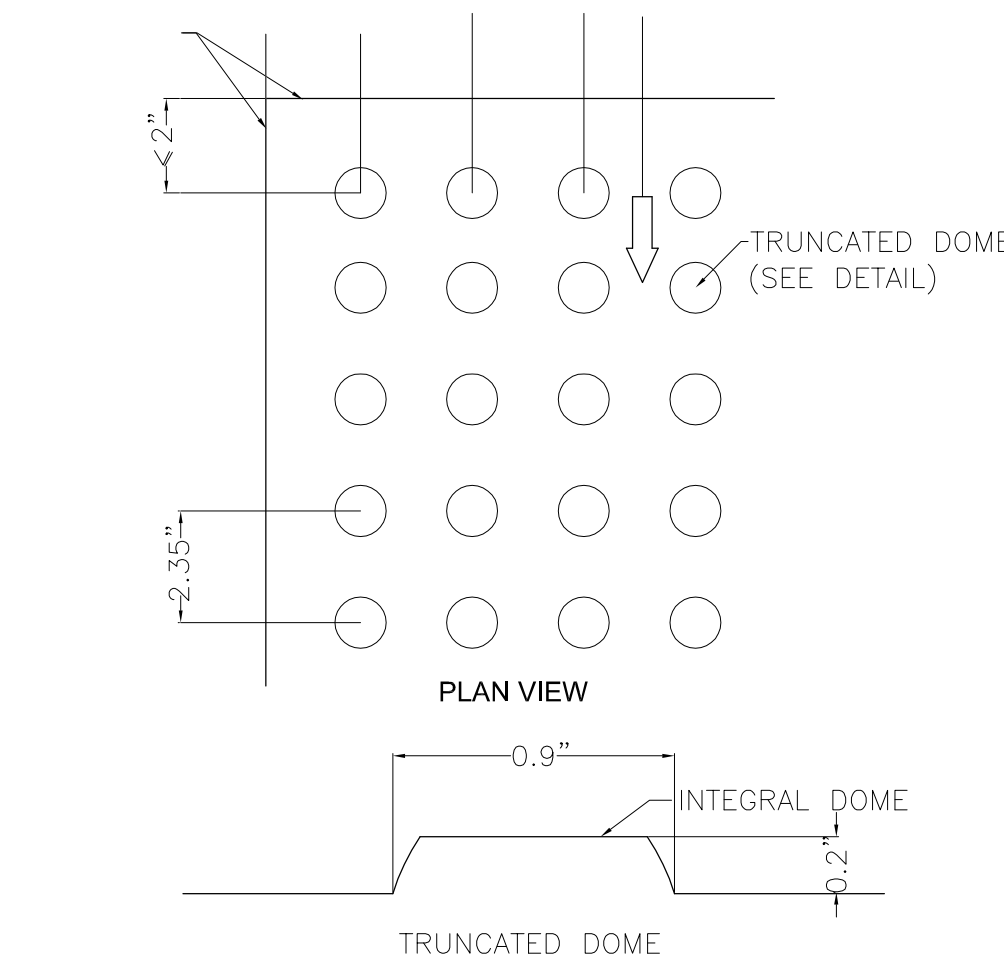
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS
"B"	5' - 0" CENTER TO CENTER ON SIDEWALKS
"C"	WHERE SIDEWALKS ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.

TABLE OF SIDEWALK THICKNESS - "T"	
LOCATION	"T"
RESIDENTIAL AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

NOTE: * AT THE DISCRETION OF ENGINEER.

SIDEWALK CONSTRUCTION

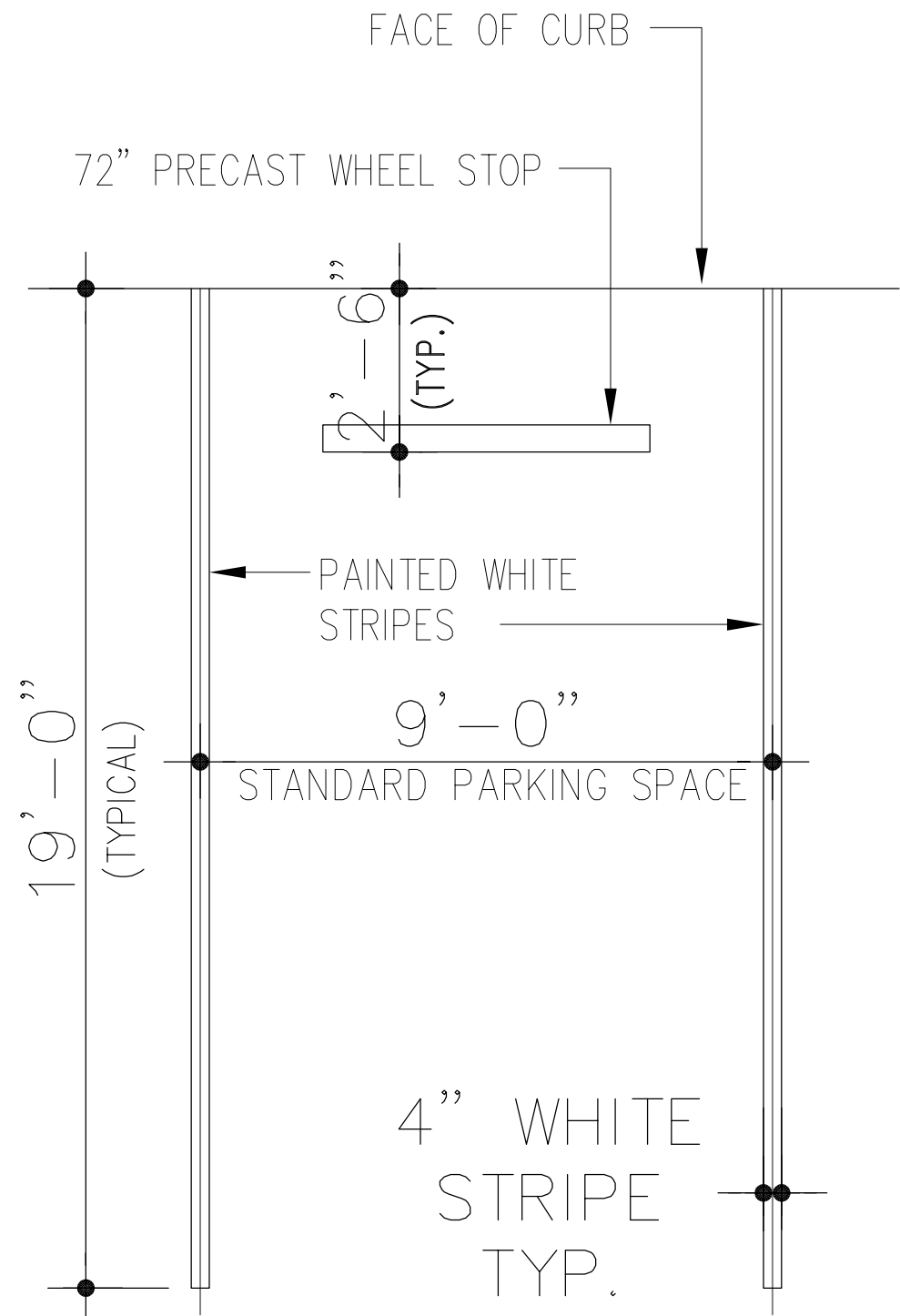
N.T.S.



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.

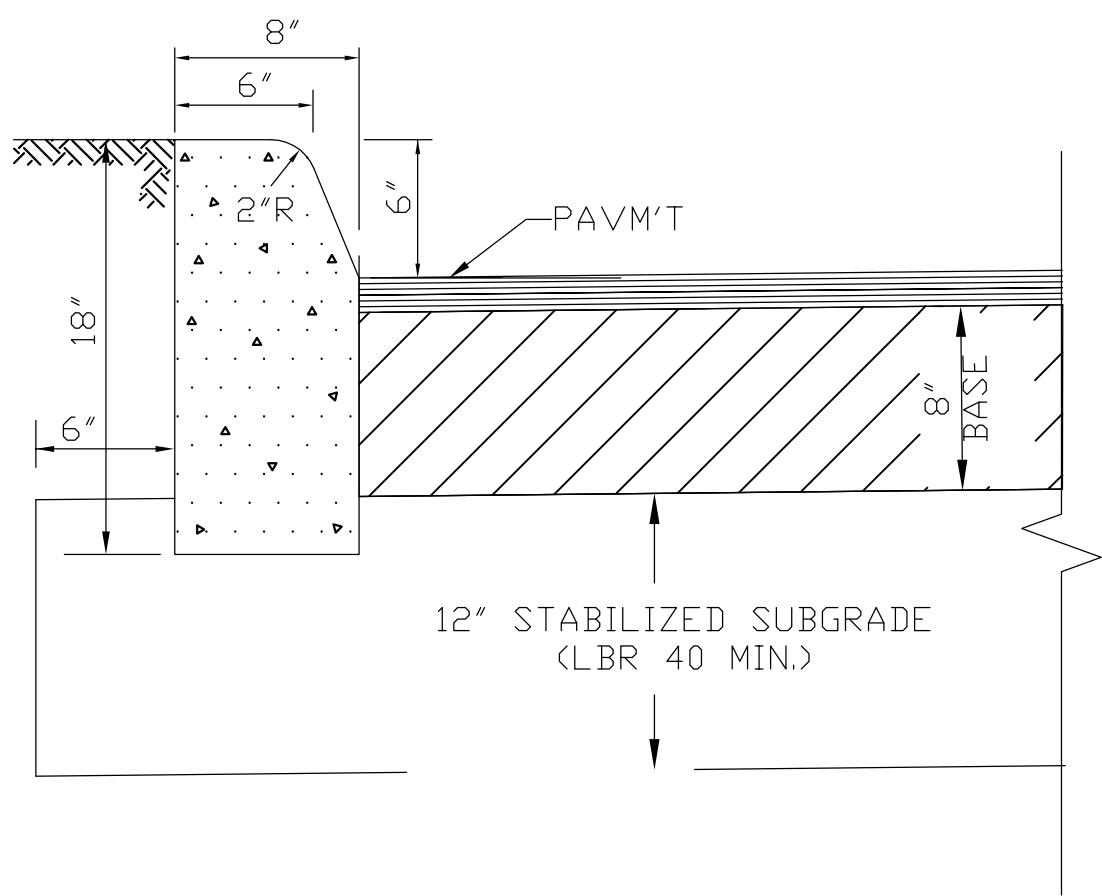
CURB RAMP DETECTABLE WARNING

N.T.S.



PARKING STALL DETAIL

NOT TO SCALE



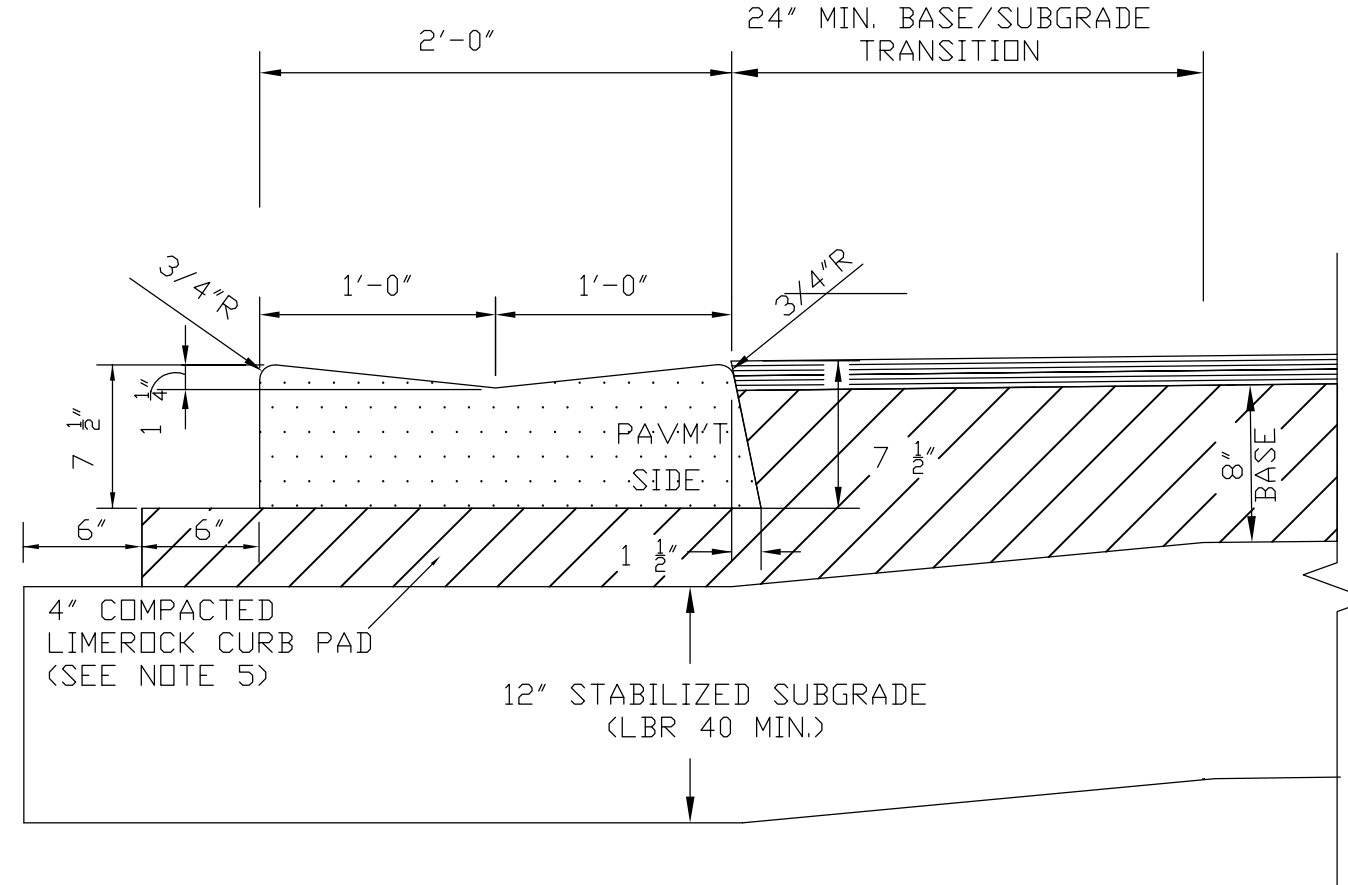
N.T.S.

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



2' VALLEY GUTTER CURB

N.T.S.

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. 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



GATOR ENGINEERING ASSOCIATES, INC.

1180 TEMPLE STREET
COOPER CITY, FL 33330

TEL: (888) 434-5805 FAX: (888) 434-5804

CERTIFICATE OF AUTHORIZATION NUMBER 30320

SEAL

DATE: 12-05-2016
REG. NO.: 38550
FL. E.L. NO.: 38550

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

REVISIONS

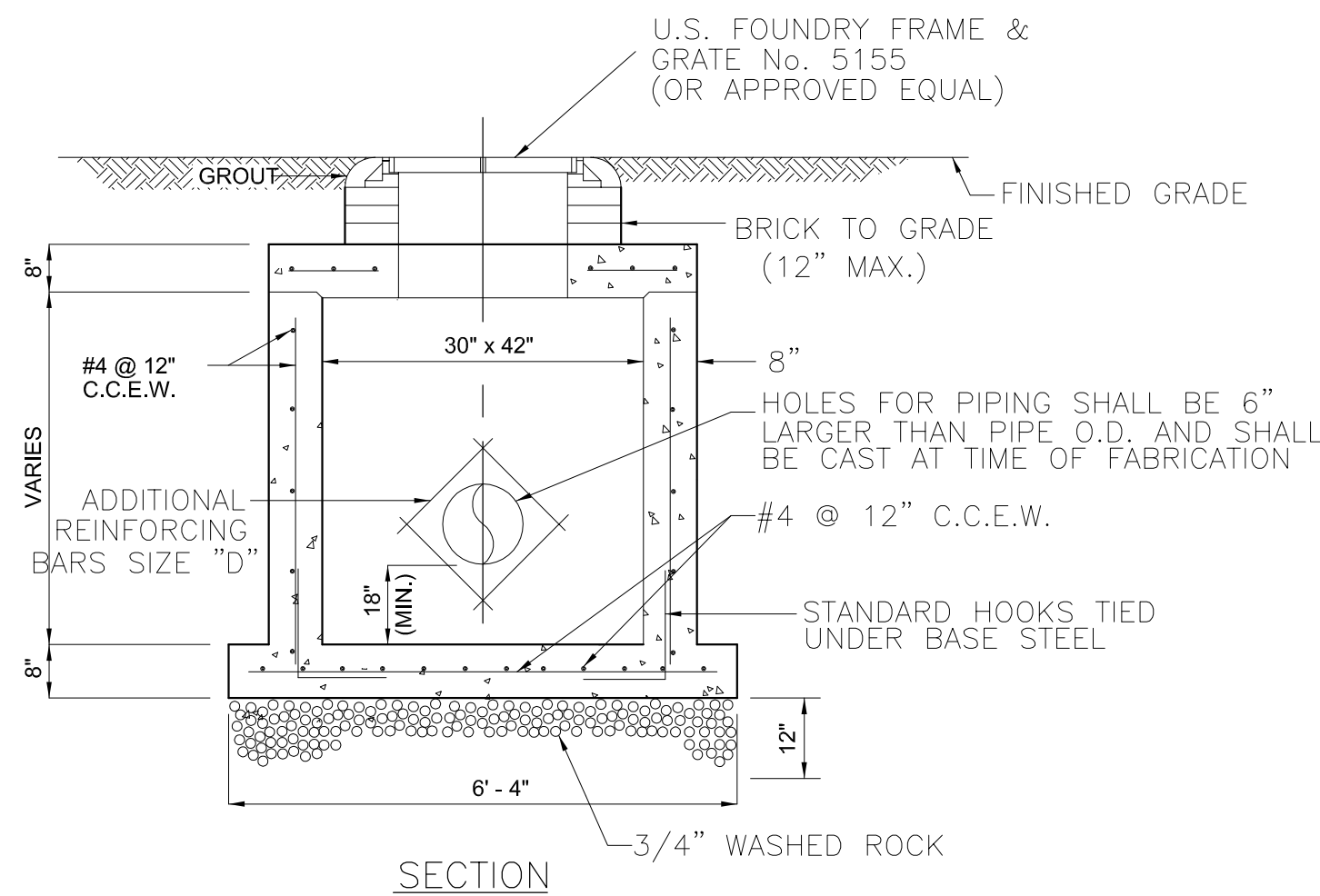
NO. DATE DESCRIPTION

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

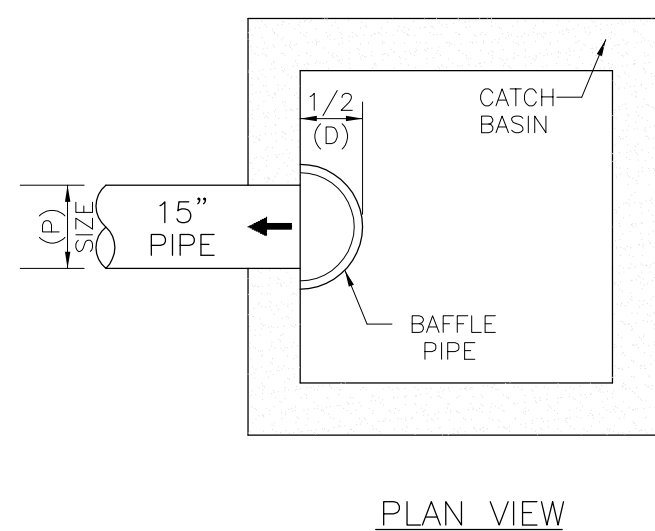
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DETAILS

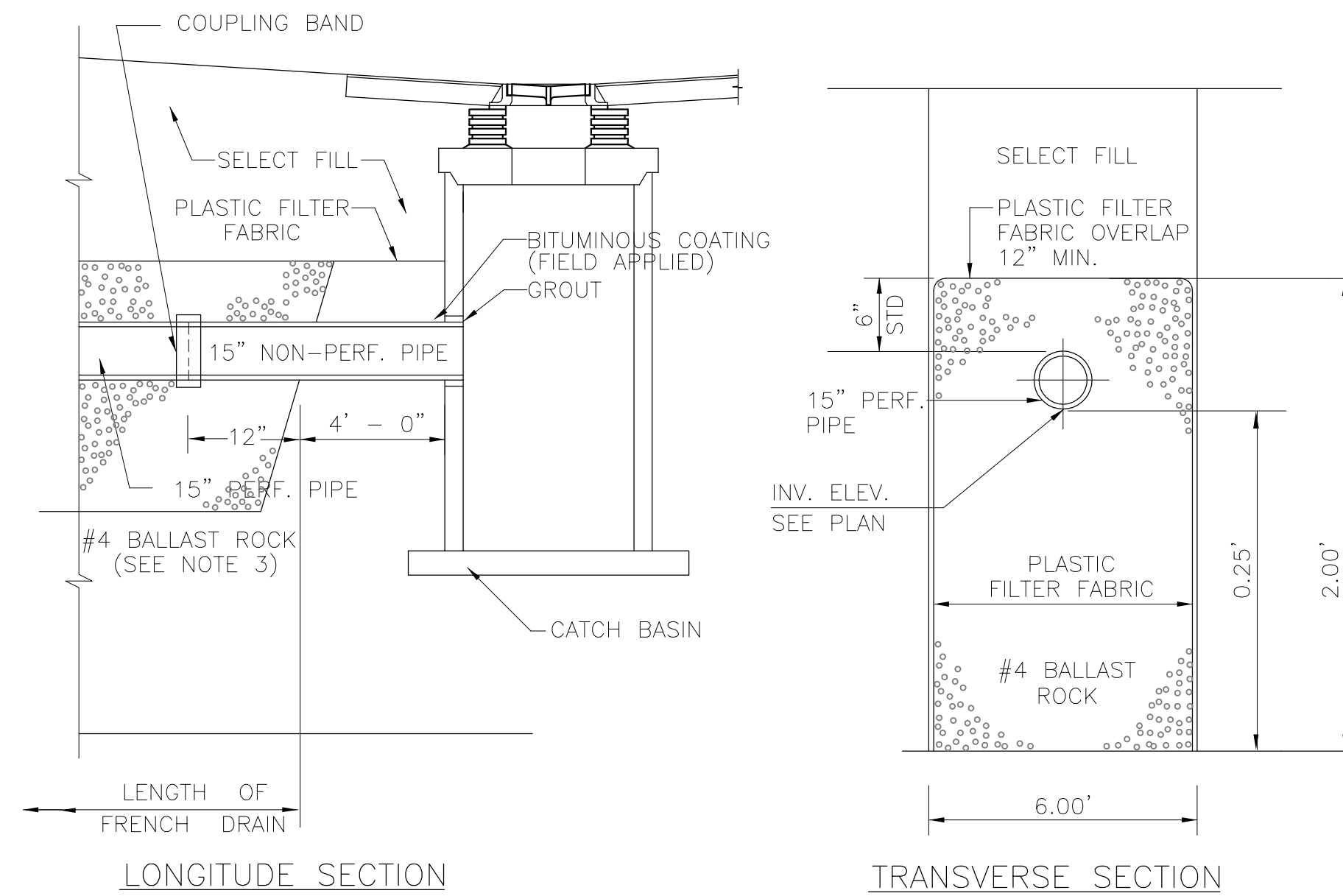
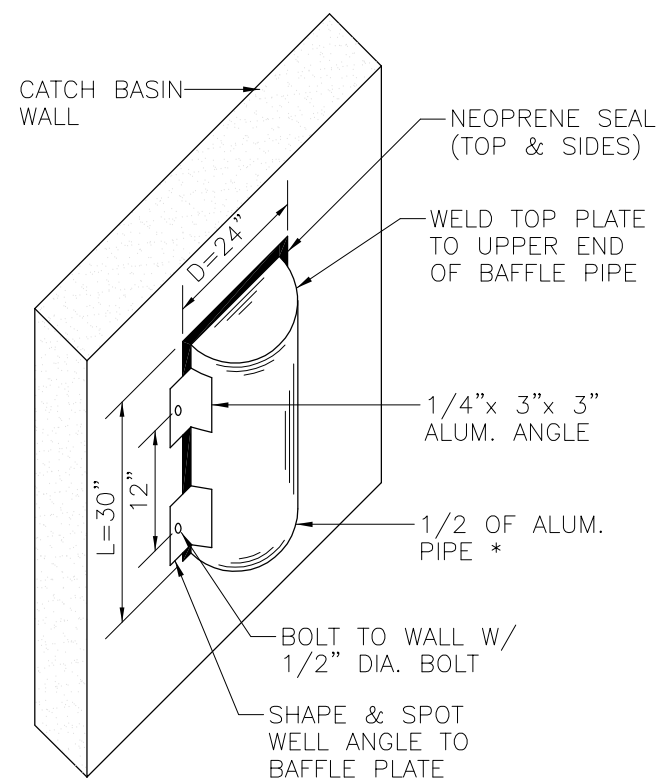
C3 OF 4



PRECAST DRAINAGE CATCH BASIN
N.T.S.

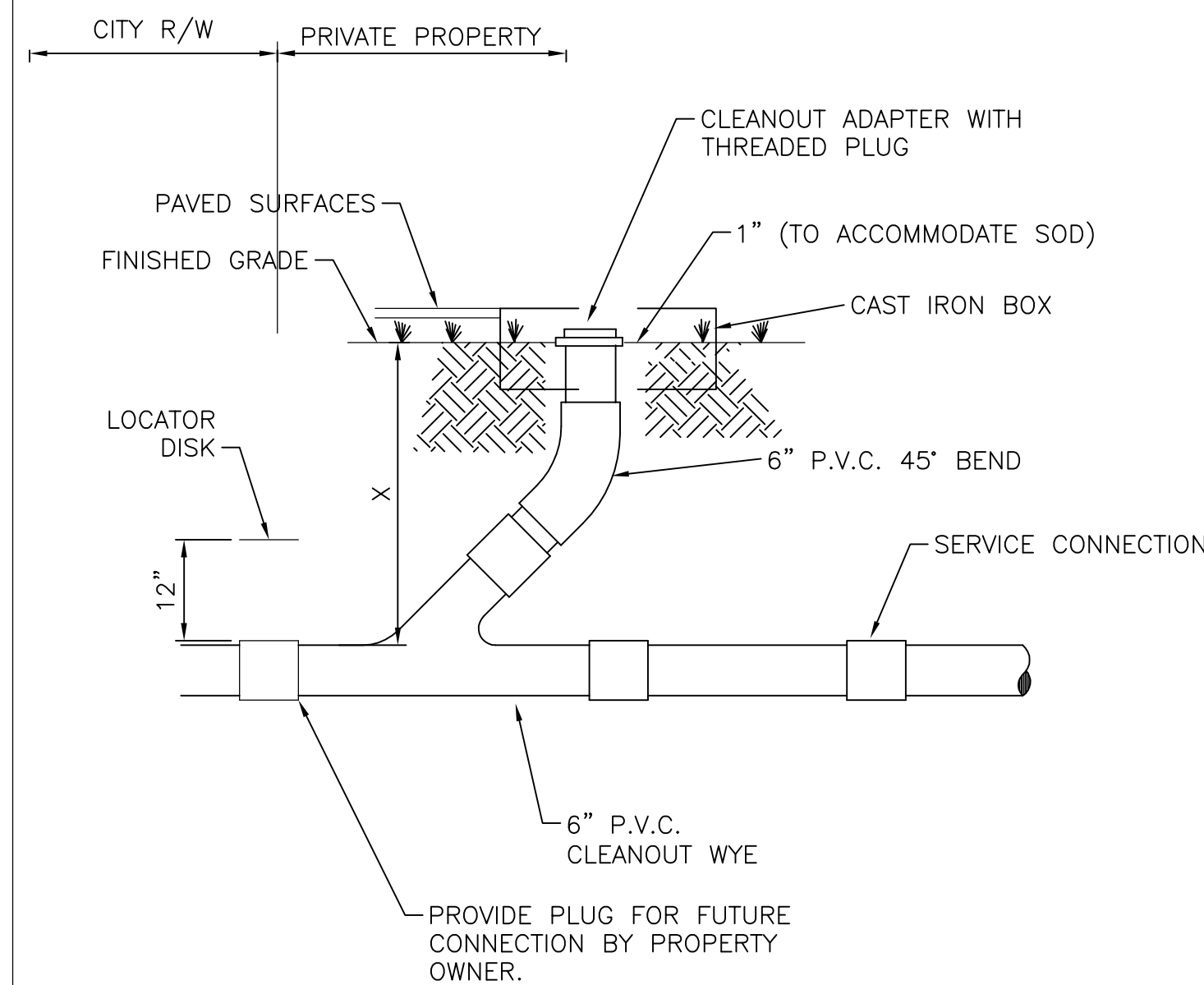


POLLUTION RETARDENT BAFFLE (PRB)
N.T.S.



- NOTES:
1. PLASTIC FILTER FABRIC PER F.D.O.T. STD. INDEX # 285 SHALL BE USED AT EACH SIDE AND ON TOP, AND AT EACH END OF FRENCH DRAIN TRENCH.
 2. THE DEPTH OF THE EXFILTRATION TRENCH SHALL BE 2.00 FEET.
 3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY VIBRATED OR COMPACTED IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH CAN BE COMPLETED IN ACCORDANCE WITH THE DETAIL.

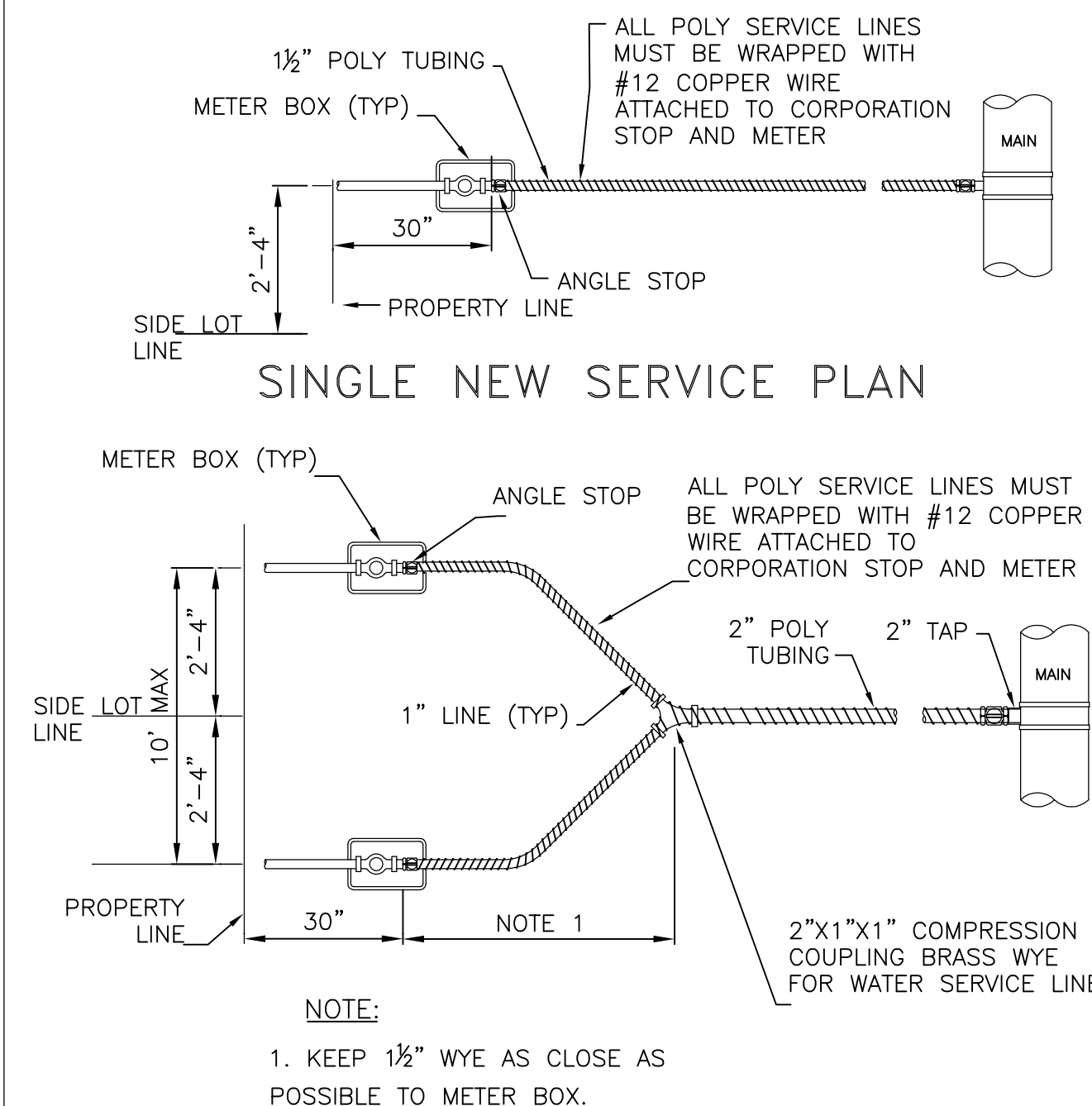
TYPICAL DETAIL - EXFILTRATION TRENCH
N.T.S.



- NOTES:
1. PROVIDE APPROVED PLUG OR JOINT FOR DISSIMILAR GRAVITY SEWER PIPE FOR SERVICE CONNECTION.
 2. CLEAN-OUT ASSEMBLY SHALL BE INSTALLED BY PROPERTY OWNER.
 3. X=3'0" MIN. OR 4'0" MAX. FOR RESIDENTIAL SERVICE UNLESS OTHERWISE SHOWN.

TYPICAL CLEANOUT INSTALLATION

209



DOUBLE NEW SERVICE PLAN

TYPICAL WATER SERVICE

301

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.
- Palm Trees - 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.

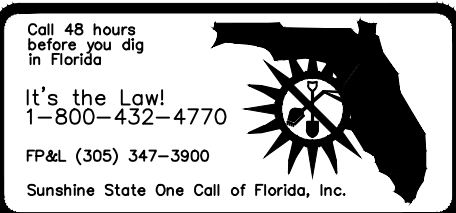
16. All new landscaped areas shall be excavated of all road rock, existing site fill down to a depth of 12" minimum from top of curb. SEE DETAIL THIS SHEET FOR SPECIFICS.

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 SFVWMD 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.



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DATE	REVISIONS:

DATE:	I2-22-16
SCALE:	N. T. S.
DRAWING BY:	AD
DESIGNED BY:	AD

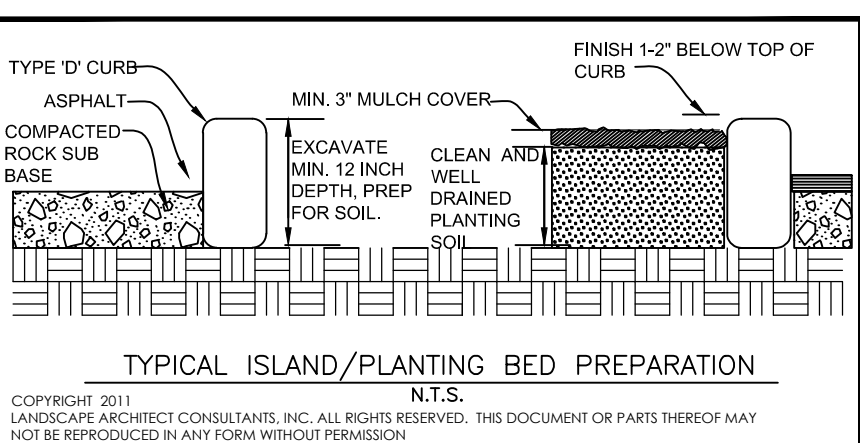
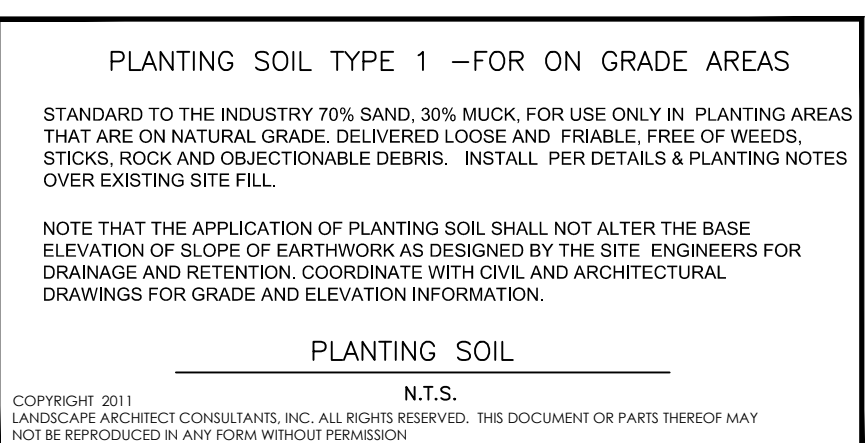
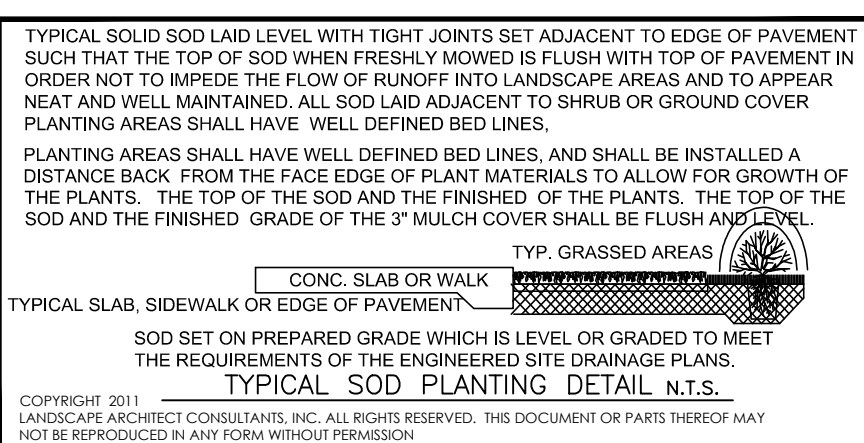
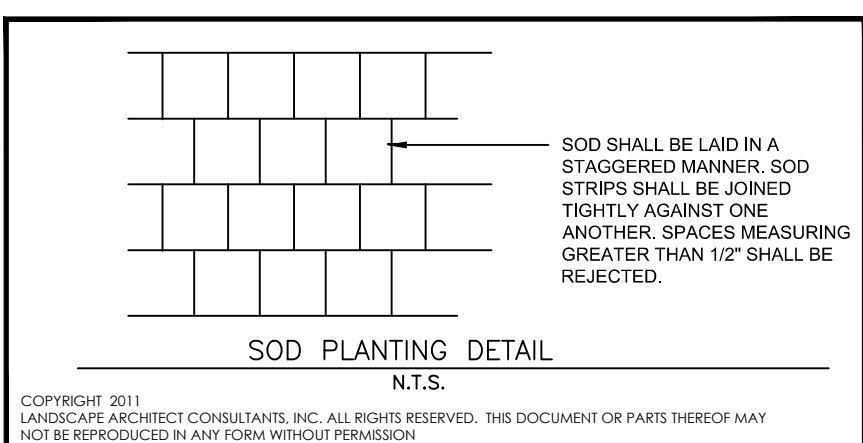
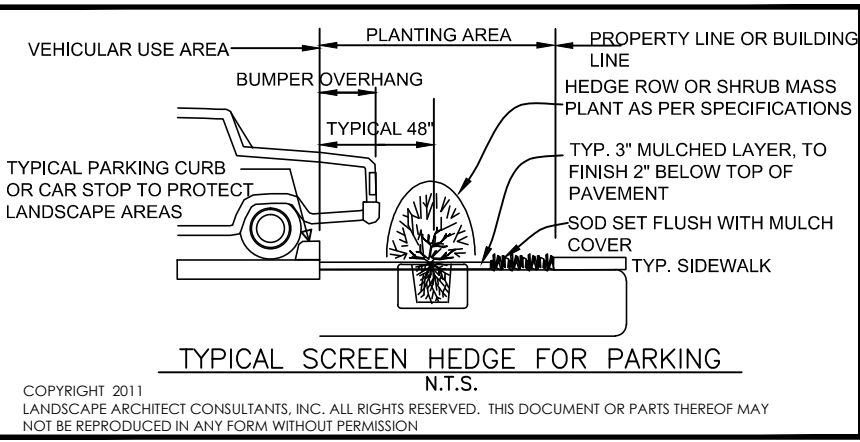
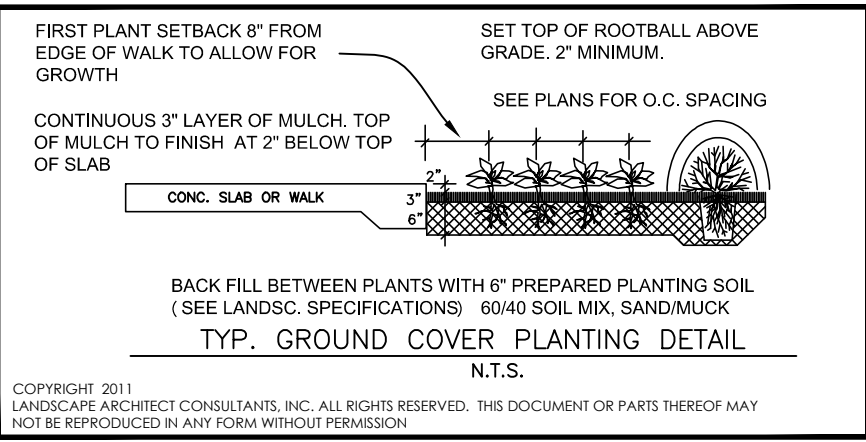
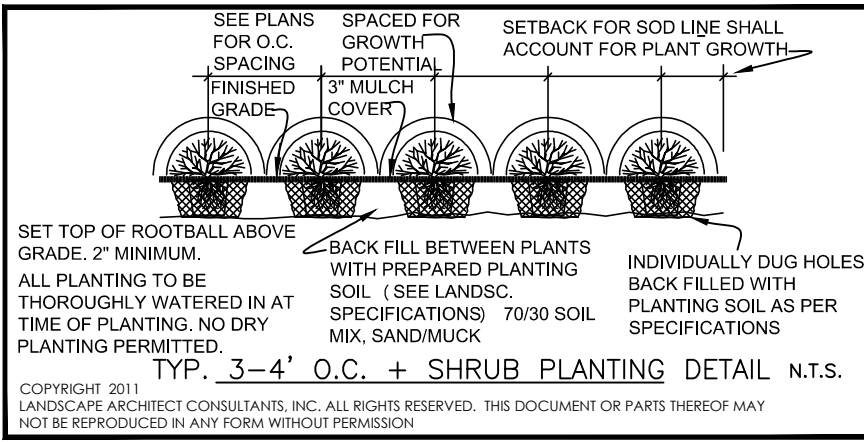
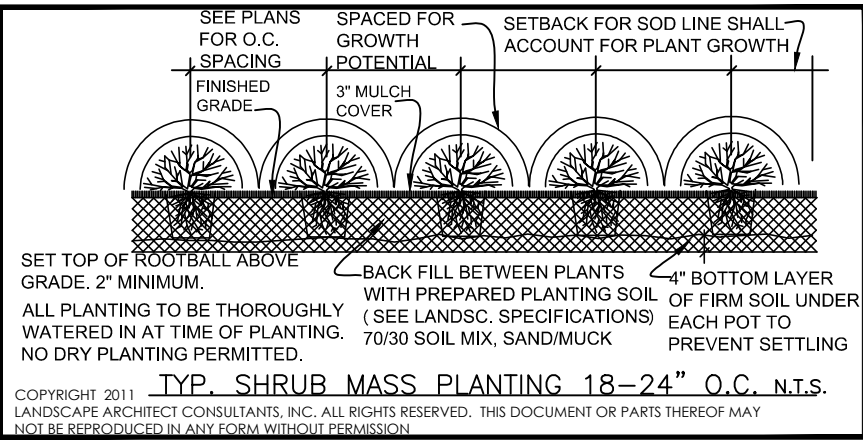
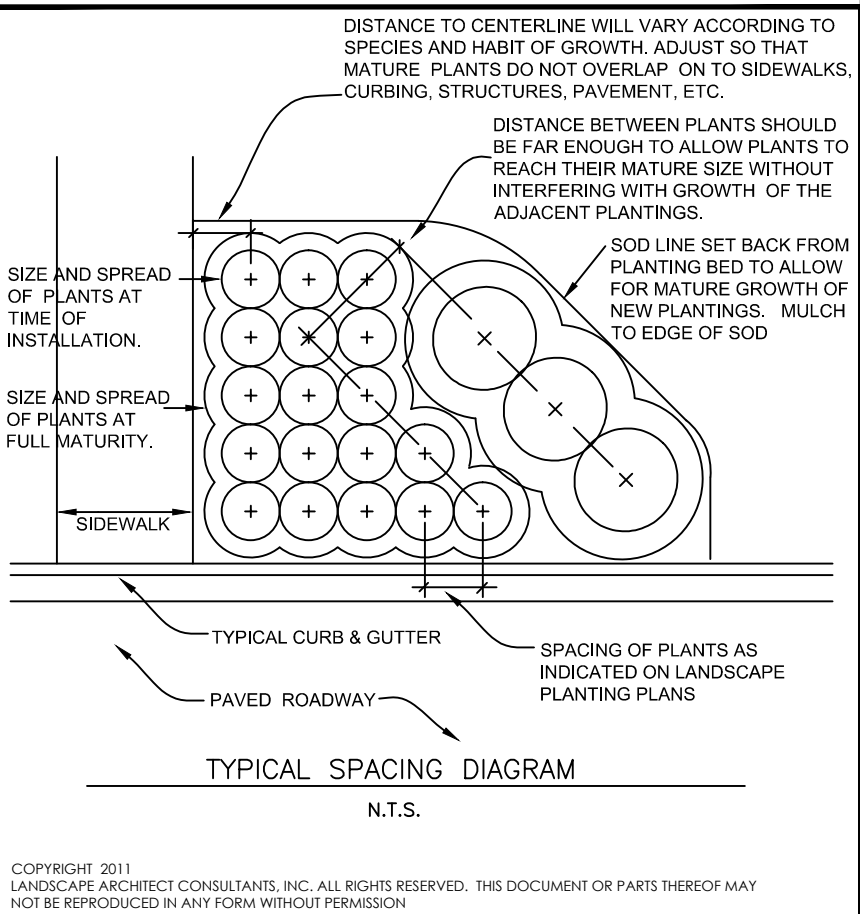
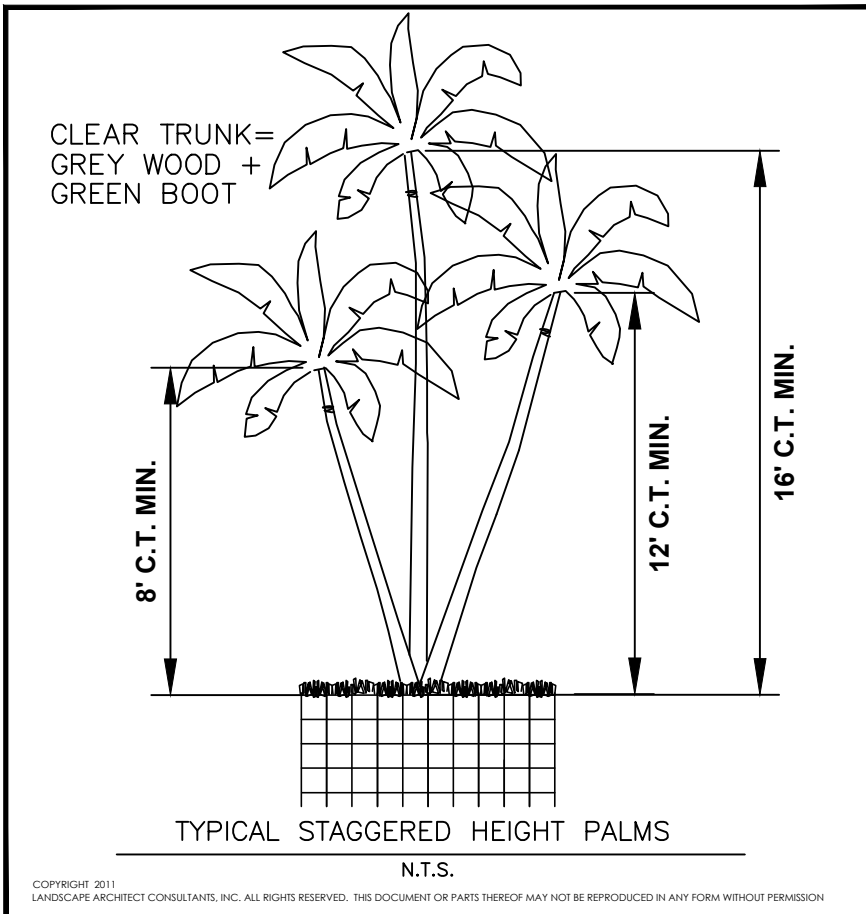
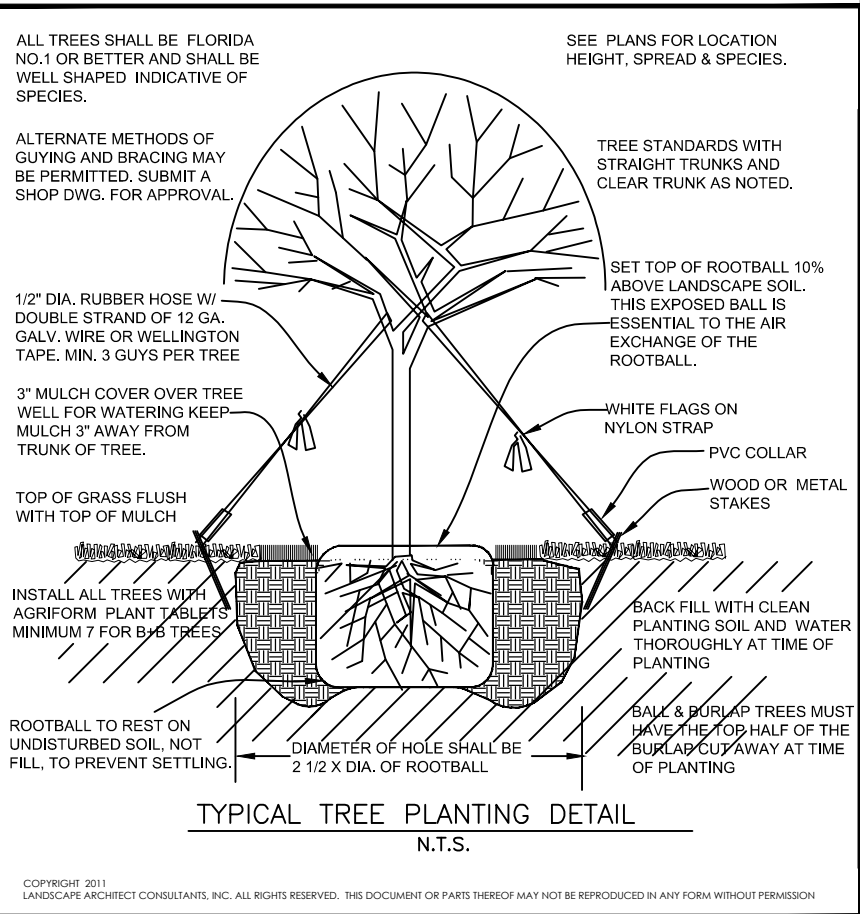
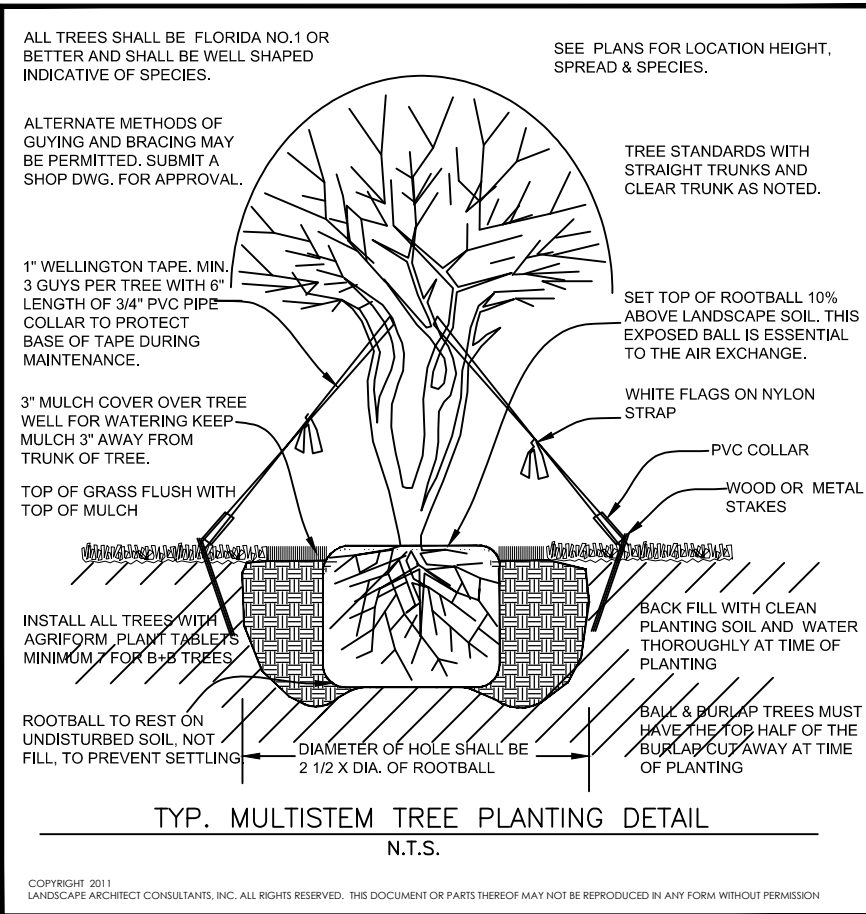
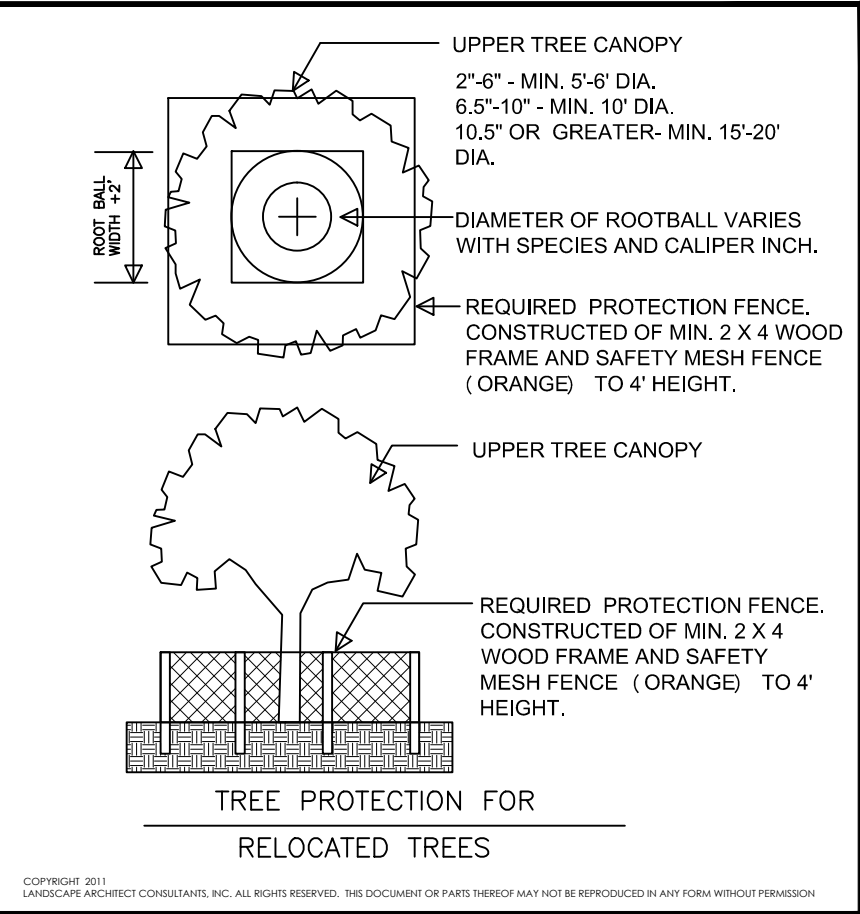
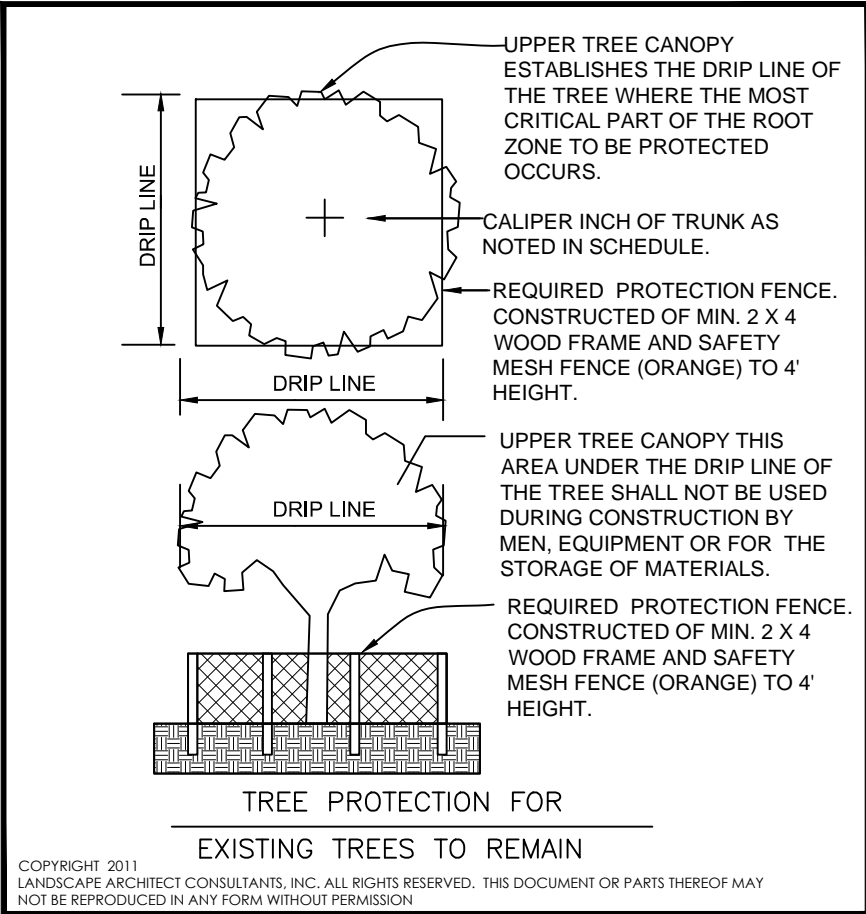
PROJECT: CRISPUS COMMONS PARCEL A BROWARD COUNTY

HOLLYWOOD, FLORIDA

LANDSCAPE NOTES & DETAILS:

PROJECT NO.	16-082
SHEET:	LP- 2 of 2

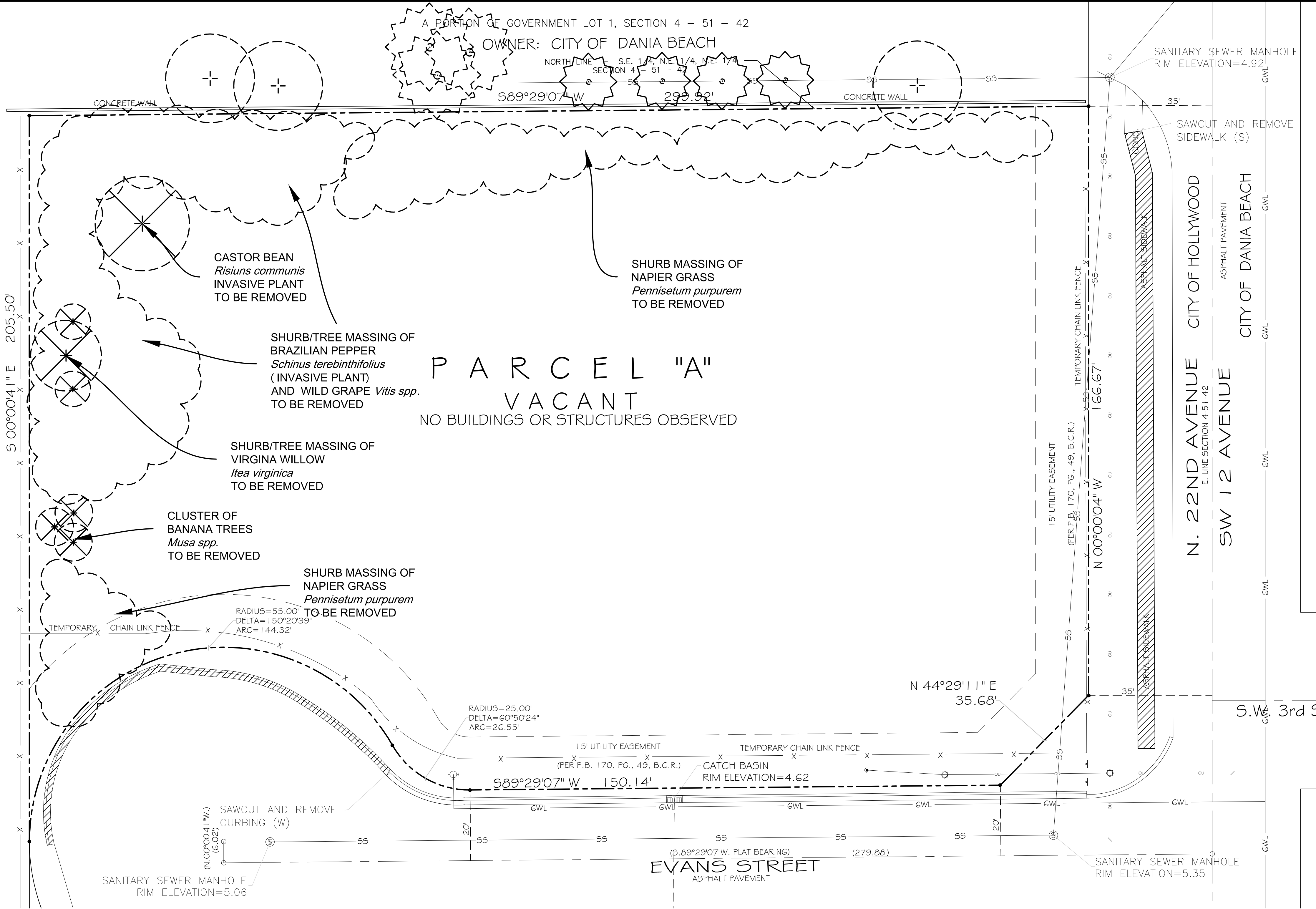
DATE:	THOMAS J. LAUBENTHAL ILA-000563 ILC-2600422
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ACREAGE

OWNER: CITY OF DANIA BEACH

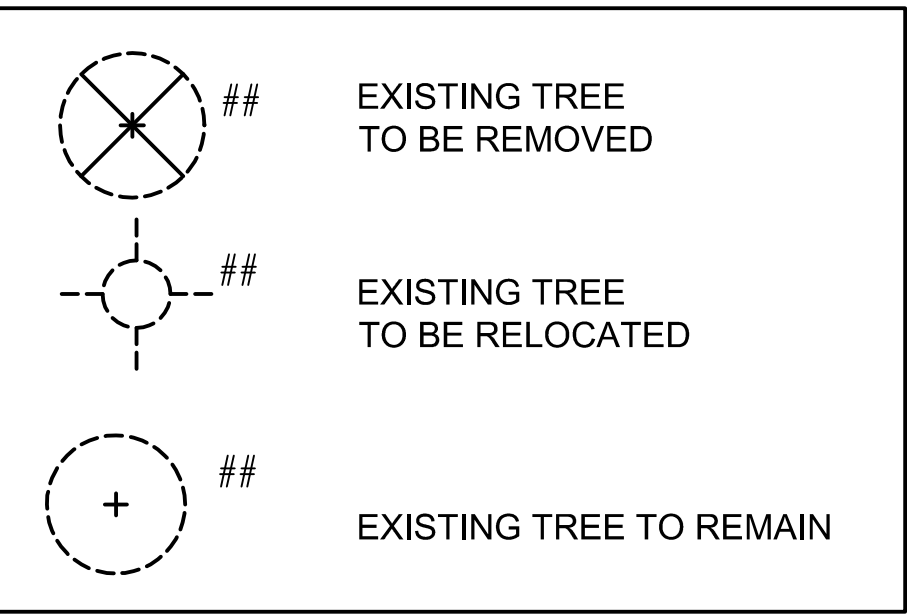
A PORTION OF GOVERNMENT LOT 1, SECTION 4 - 51 - 42



EXISTING TREE AND PLANT INVENTORY LIST

BOTANICAL NAME	COMMON NAME	APPROXIMATE HEIGHT IN FEET	CONDITION (Good 100%, Fair 75%, Poor 50%)	PLAN ACTION
Schinus terebinthifolius	BRAZILIAN PEPPER	30	INVASIVE	REMOVE
Ricinus communis	CASTOR BEAN	25	INVASIVE	REMOVE
Itea virginica	VIRGINIA WILLOW	20	50%	REMOVE
Vitis spp.	WILD GRAPE			REMOVE
Pennisetum purpureum	NAPIER GRASS			REMOVE
Musa spp.	BANANA			REMOVE

GRAPHIC KEY



DATE	REVISIONS:

DATE:	12-22-16
SCALE:	1" = 16'
DRAWING BY:	AD
DESIGNED BY:	AD

IRRIGATION EQUIPMENT GRAPHIC KEY:

- RAINBIRD 3500 SERIES AND 5000 SERIES F, H, Q, 6" OR 12" COMMERCIAL ROTOR BODY, w/ SCREEN AND NOZZLES TO TYP. SPACING. UTILIZE FULL SPECTRUM OF NOZZLES AVAILABLE BY MANUFACTURER TO PROVIDE FULL COVERAGE WITHOUT OVERSPRAY ONTO PAVEMENT. NOZZLES w/ SEAL-A-MATIC INTERCHANGEABLE NOZZLES. OPERATING POUNDS PER SQUARE INCH (PSI) AT 40.
- RAINBIRD PRS - 1800 SERIES F, TO, H, Q, 6" OR 12" COMMERCIAL POP-UP BODY, w/ SCREEN AND NOZZLES TO TYP. SPACING. UTILIZE FULL SPECTRUM OF NOZZLES AVAILABLE BY MANUFACTURER TO PROVIDE FULL COVERAGE WITHOUT OVERSPRAY ONTO PAVEMENT. NOZZLES w/ SEAL-A-MATIC INTERCHANGEABLE NOZZLES. OPERATING POUNDS PER SQUARE INCH (PSI) AT 40.
- RAINBIRD 15SST, 15 EST. 6" COMMERCIAL POP-UP BODY, w/ SCREENS AND NOZZLES TO TYP. SPACING. UTILIZE FULL SPECTRUM OF NOZZLES AVAILABLE BY MANUFACTURER TO PROVIDE FULL COVERAGE WITHOUT OVERSPRAY ONTO PAVEMENT. NOZZLES SERIES 9 SIDE STRIPS.
- 1.5 HP PUMP SEE PLAN FOR LOCATION.
- 2" WELL. EXACT SIZE AND LOCATION TO BE DETERMINED BY CONTRACTOR.
- RAINBIRD ESP-1XME, 16-15 STATION OPERATING SPECIFICATIONS, BATTERIES, AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM TO CONTROL ALL VALVES INSTALLED IN THIS PHASE OF CONSTRUCTION. WALL MOUNTED IN LOCATION SHOWN ON PLAN (VERIFY W/OWNER).
- CHEMICAL DERUST SYSTEM INCLUDING 55 GAL. EMBEDDED STORAGE BARREL WITH INJECTOR PUMP AND ALL CONNECTIONS TO THE IRRIGATION SYSTEM.
- RAINBIRD RAIN SWITCH AND BYPASS SWITCH. (SEE DETAILS) MOUNTED IN LOGICAL LOCATION AWAY FROM OVERHEAD OBSTRUCTIONS.
- RAINBIRD SERIES (OR EQUAL), 24V ELECT., GLASS FILLED NYLON BODY VALVE W/ PRESSURE REGULATOR, INSTALLED IN A VALVE BOX ASSEMBLY AS PER DETAILS.
- VALVE BOXES SHALL BE AMETEK OR APPROVED EQUAL, STANDARD 12" ROUND FOR ALL LOCATIONS. ALL VALVES, FILTERS, AND SIMILAR ASSEMBLIES AS SHOWN IN DETAILS WILL REQUIRE A SEPARATE VALVE BOX WHETHER SHOWN ON PLANS OR NOT. IT IS IMPLIED THAT EACH ASSEMBLY REQUIRES ITS OWN SEPARATE VALVE BOX ASSEMBLY.
- IRRIGATION LATERAL LINE, SIZE AS NOTED ON PLANS. ALL CONTROL WIRES SHALL BE INSTALLED IN GRAY CONDUIT IN SAME TRENCH WITH LATERAL LINES.
- MAINLINE AS SHOWN ON PLANS. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY EXACT SIZE, LOCATION AND PRESSURE AVAILABILITY OF EXISTING MAINLINE.
- SLEEVE FOR IRRIGATION MAIN LINE, SECTION LINES AND CONDUITS. SEE NOTES ON PLAN AND SLEEVE SIZING CHART.
- THE ALPHABETICAL FIGURE INDICATES THE PARTICULAR CONTROLLER (BUILDING OR MASTER). THE NUMERICAL FIGURE INDICATES THE PARTICULAR ZONE NUMBER OR STATION. SEE VALVE SIZING SCHEDULE FOR APPROPRIATE 1" 1.5" OR 2" VALVE SIZE. THE LOWER NUMERICAL FIGURE INDICATES THE TOTAL NUMBER OF GALLONS PER MINUTE (GPM) THAT THE ZONE IS DESIGNED FOR, CORRESPONDING TO THE APPROPRIATE SIZE VALVE. SEE VALVE SIZING CHART INFORMATION.

WATER EFFICIENT IRRIGATION SYSTEM

CONTROLLER & WEATHER SENSOR: SMART MODULAR CONTROL SYSTEM THAT PROVIDES WATER SAVINGS OF 20% TO 50% OVER 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

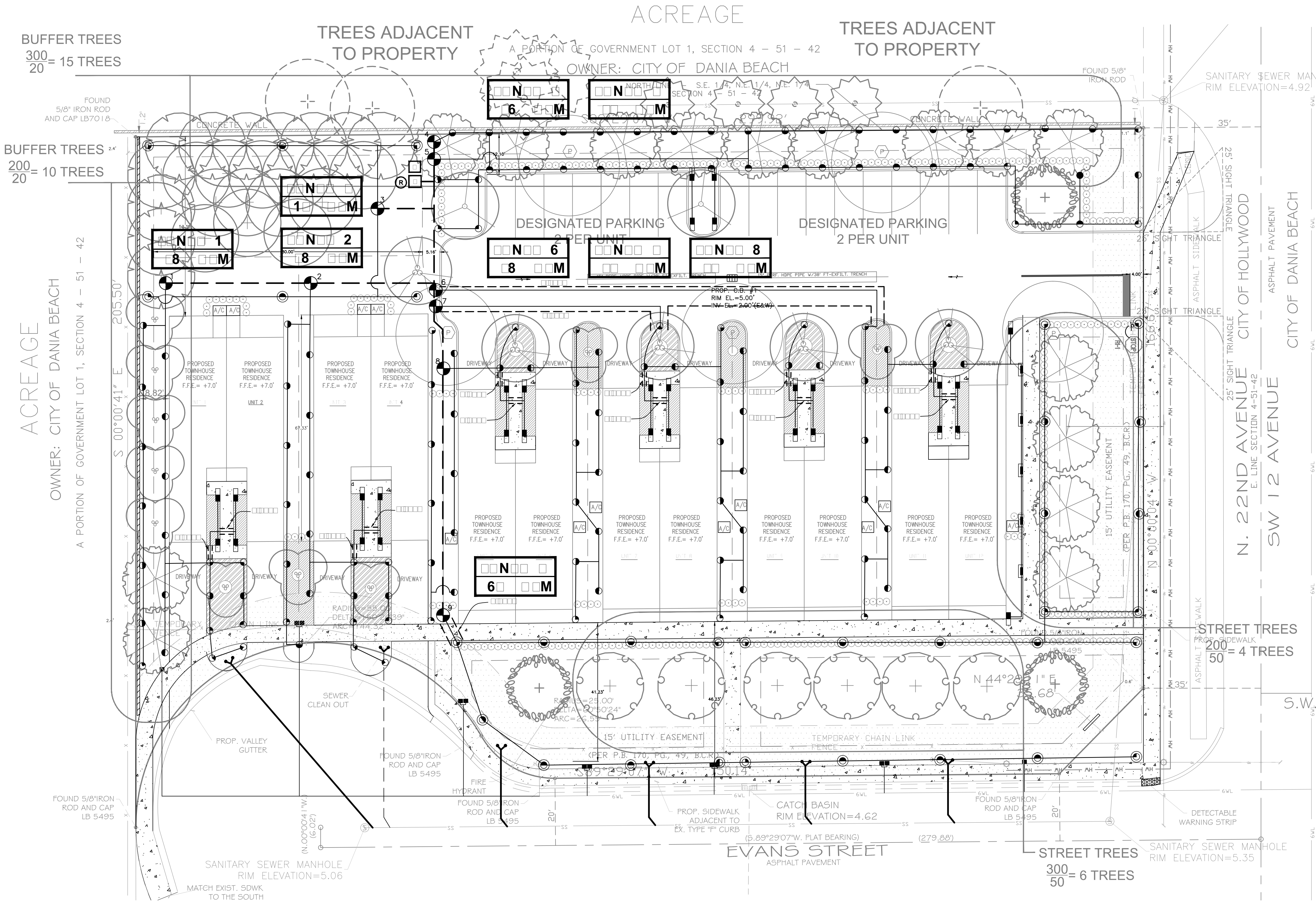
CYCLE+SOAK: MAXIMIZE WATER USE AND PREVENT RUNOFF.

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

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

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

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



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LA-000570

DATE	REVISIONS:

DATE: 12-22-16
SCALE: 1" = 16'
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DESIGNED BY: AD

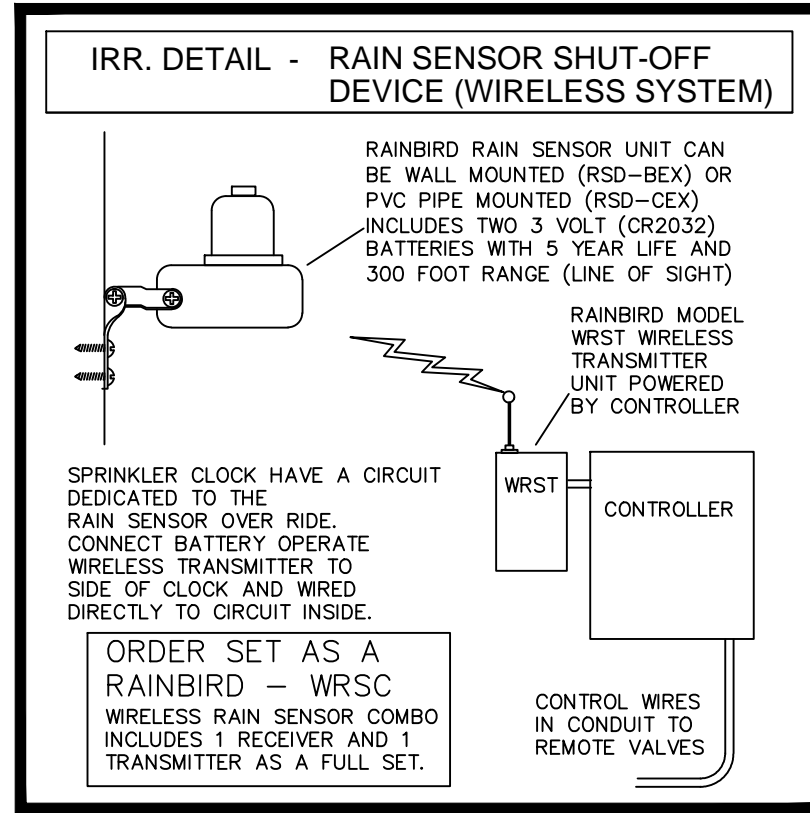
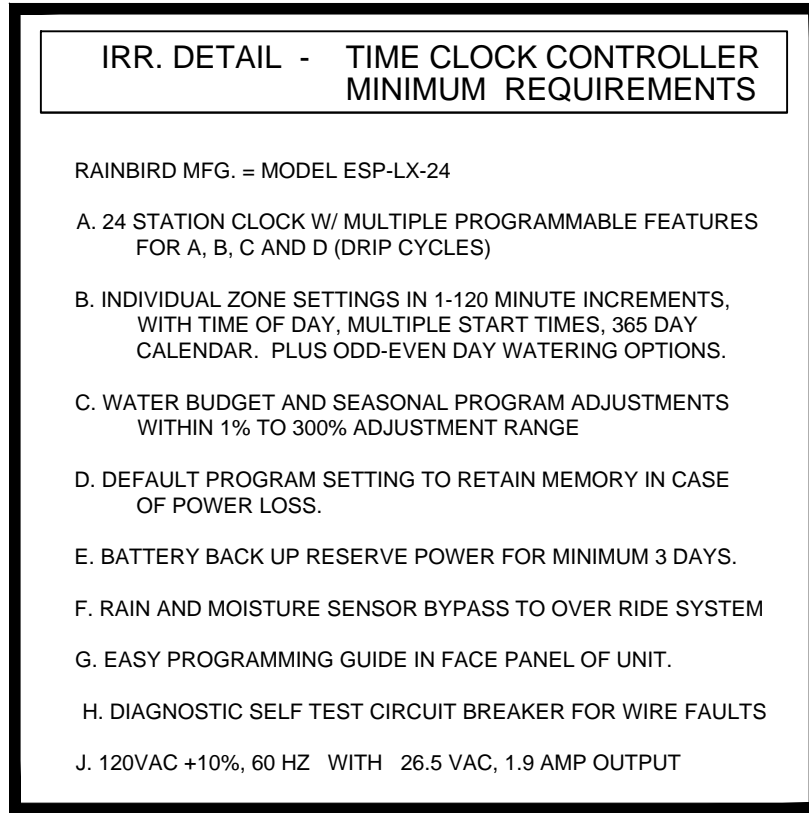
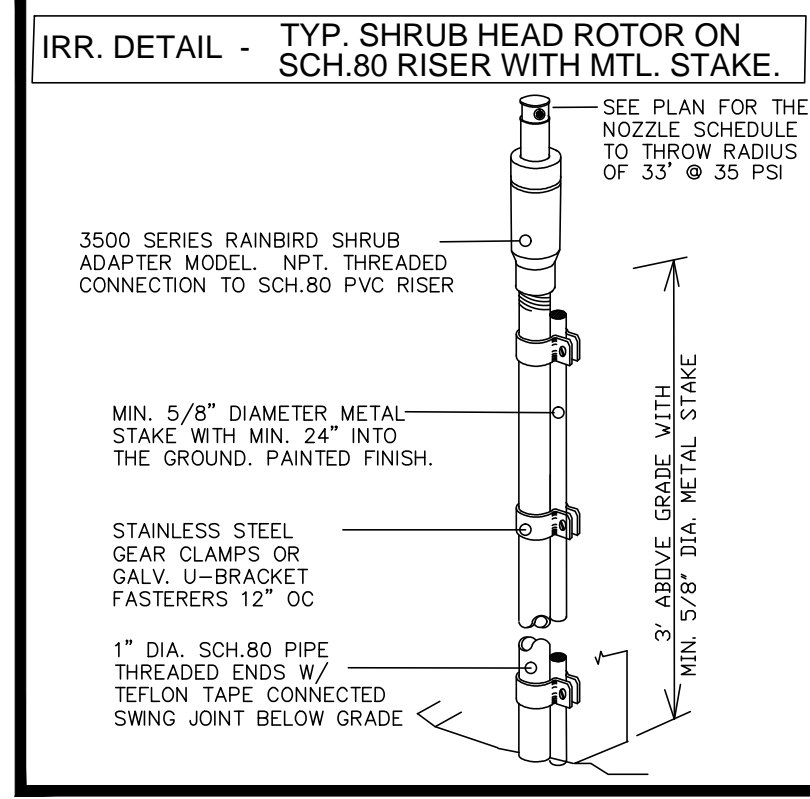
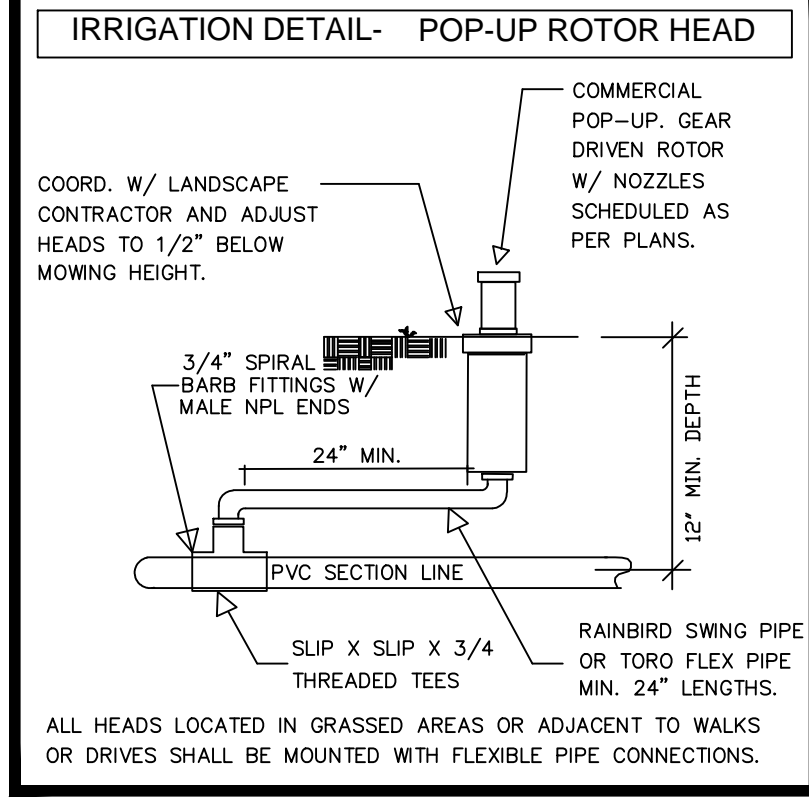
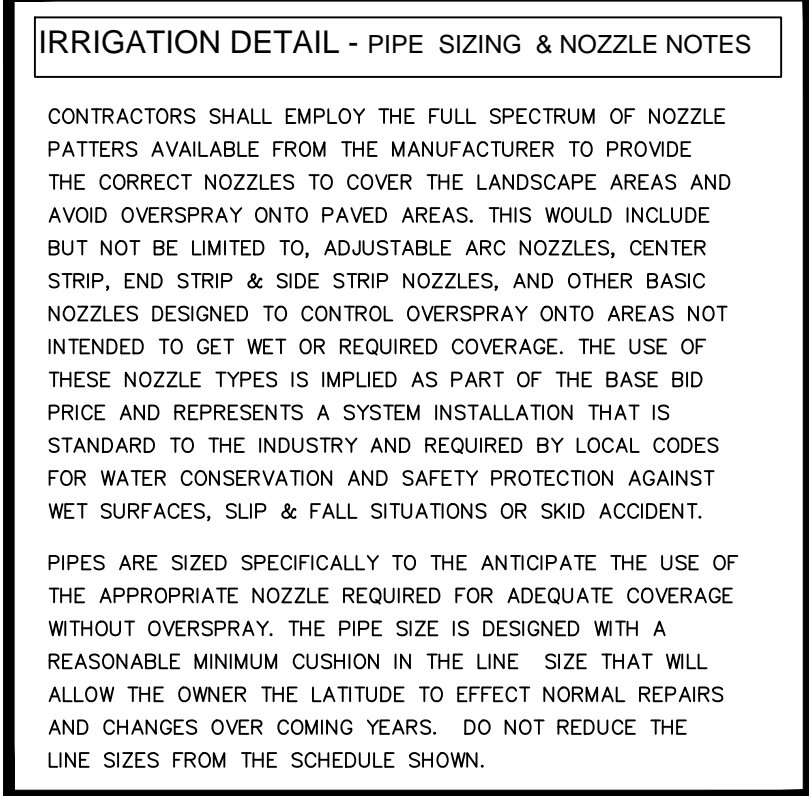
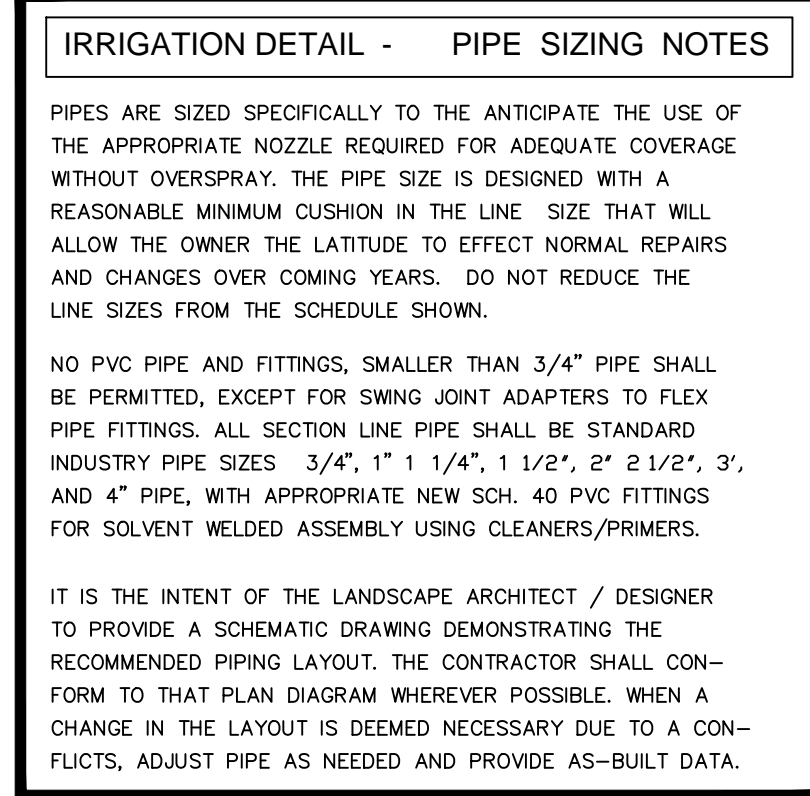
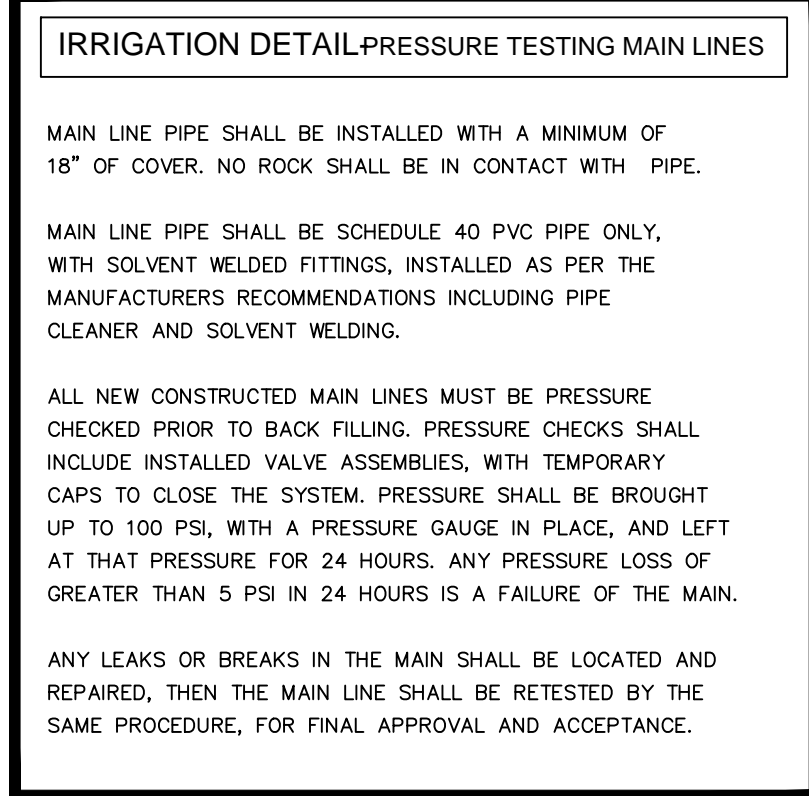
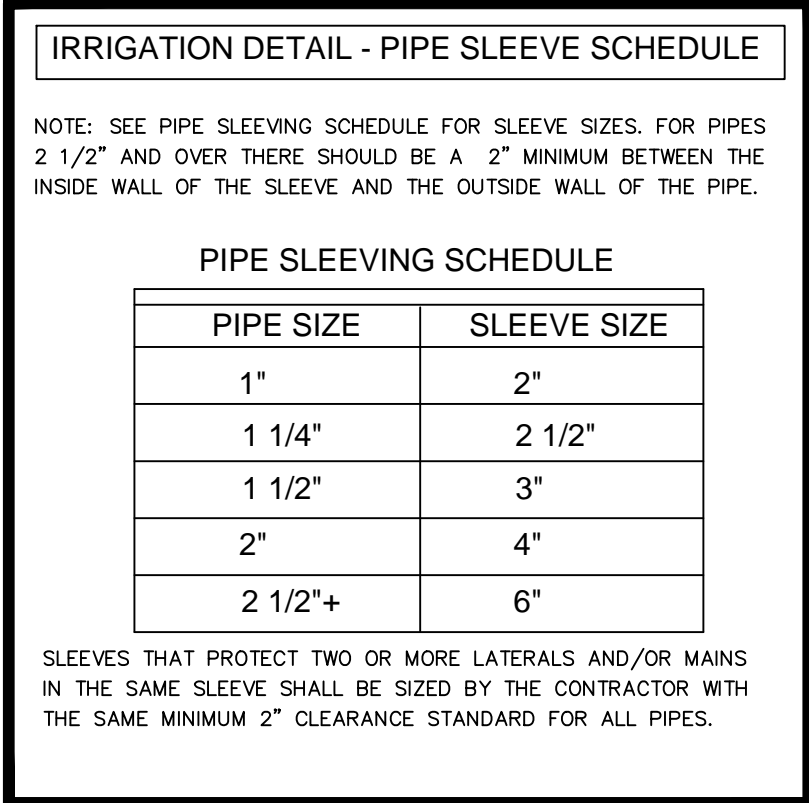
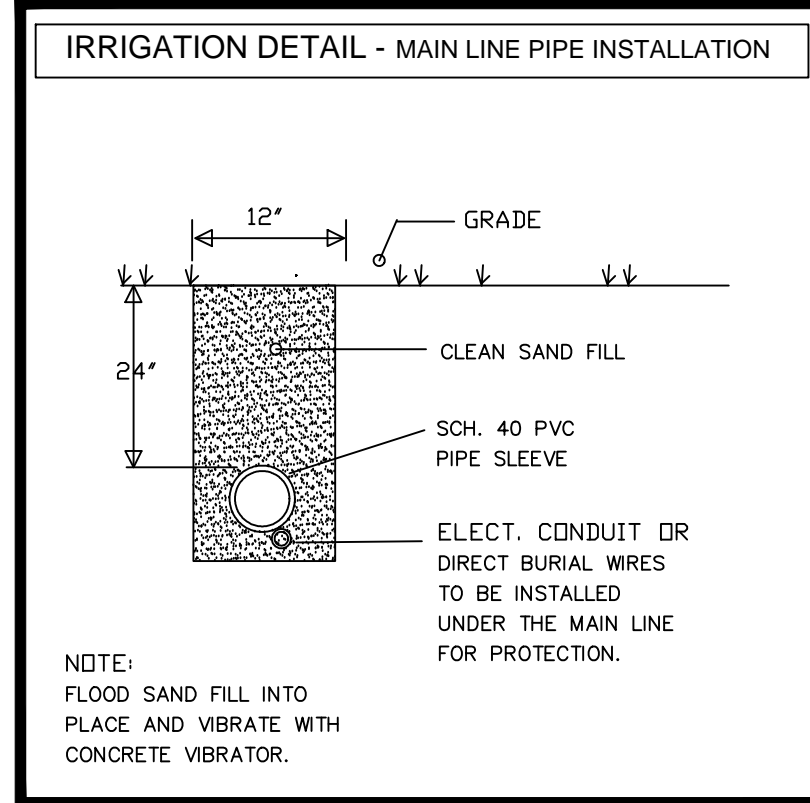
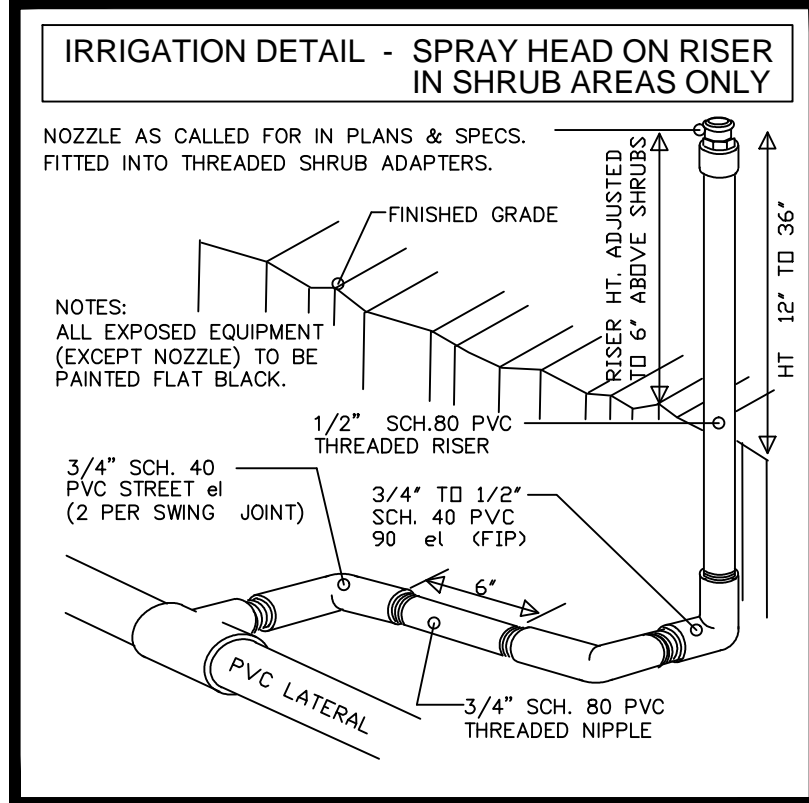
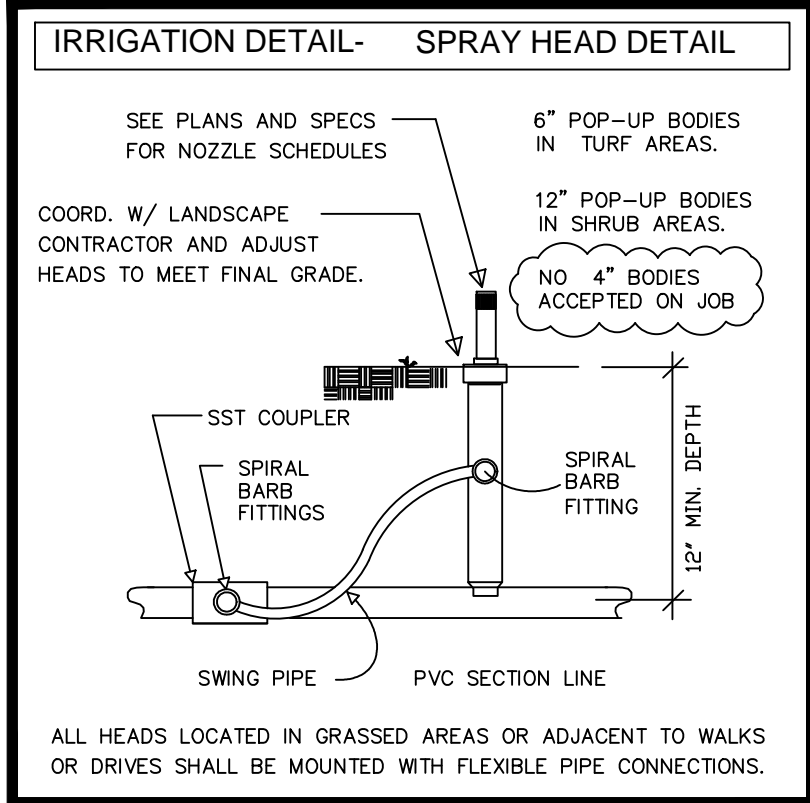
PROJECT: CRISPUS COMMONS PARCEL A
BROWARD COUNTY

HOLLYWOOD, FLORIDA

IRRIGATION PLAN:

PROJECT NO.
16-082
SHEET:
IR-1 of 1

DATE:
THOMAS J. LAUBENTHAL
ILA-0000563 ILC-26000422



FLORIDA FRIENDLY CODE REQUIREMENTS FOR IRRIGATION PLANS AND DETAILS			
CODE #	REQUIREMENT	STATUS	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 SPECIFIED 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	-	DETAILS+SPECS
B-10-a	PROGRAMMABLE FOR MINUTES, DAYS OR WK. & T. OF DAY	PROVIDED	DETAILS+SPECS
B-10-b	PROGRAMMABLE 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 OVERT 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 EMITTERS FOR AREAS UNDER 4 FT.	PROVIDED	SEE PLANS
B-24	PRESSURE REGULATING VALVES REQUIRED OVER 50 PSI	PROVIDED	PROVIDED
C	REQUIREMENTS PROVIDED FOR END USER	-	-
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.
-	-	-	-

GENERAL SPRINKLER NOTES:

- 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.
- 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.
- 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.
- 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.
- 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.
- ALL MAIN LINES SHALL BE BURIED A UNIFORM 24" BELOW GRADE. ALL SECTION LINES SHALL BE INSTALLED A MINIMUM OF 12" BELOW GRADE.
- 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.
- ALL MAIN LINE PIPE SHALL BE SCHEDULE 40 PVC NEW PIPE ONLY. TYPE 1, PIPE, ASTM D-2241.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL VALVE BOXES AND PULL BOXES FOR CONTROL WIRES SHALL BE AN AMETEX BOX, MINIMUM 10" DIAMETER ROUND BOX. ONE PER EACH VALVE.
- 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.
- 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.
- 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.
- 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.
- 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.

DATE REVISIONS:

DATE: 12-22-16

SCALE: 1" = XX'

DRAWING BY: AD

DESIGNED BY: AD

PROJECT: CRISPUS COMMONS PARCEL A
BROWARD COUNTY

HOLLYWOOD, FLORIDA

IRRIGATION NOTES & DETAILS:

PROJECT NO.

16-082

SHEET:

IR-1 of 1

DATE:
THOMAS J. LAUBENTHAL
ILA-0000563 ILC-2600422

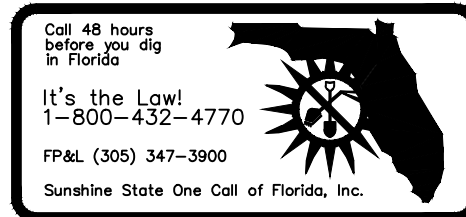
LAC

LANDSCAPE ARCHITECT CONSULTANTS

5215 W. Broward Boulevard
Plantation, Florida 33317
P (954) 581-1110 F (9) 581-7118
LC-2600422

Thomas J. Laubenthal, RLA
TOM@LACL.COM
LA-0000563

Katy M. Adler, RLA
KATY@LACL.COM
LA-0000705

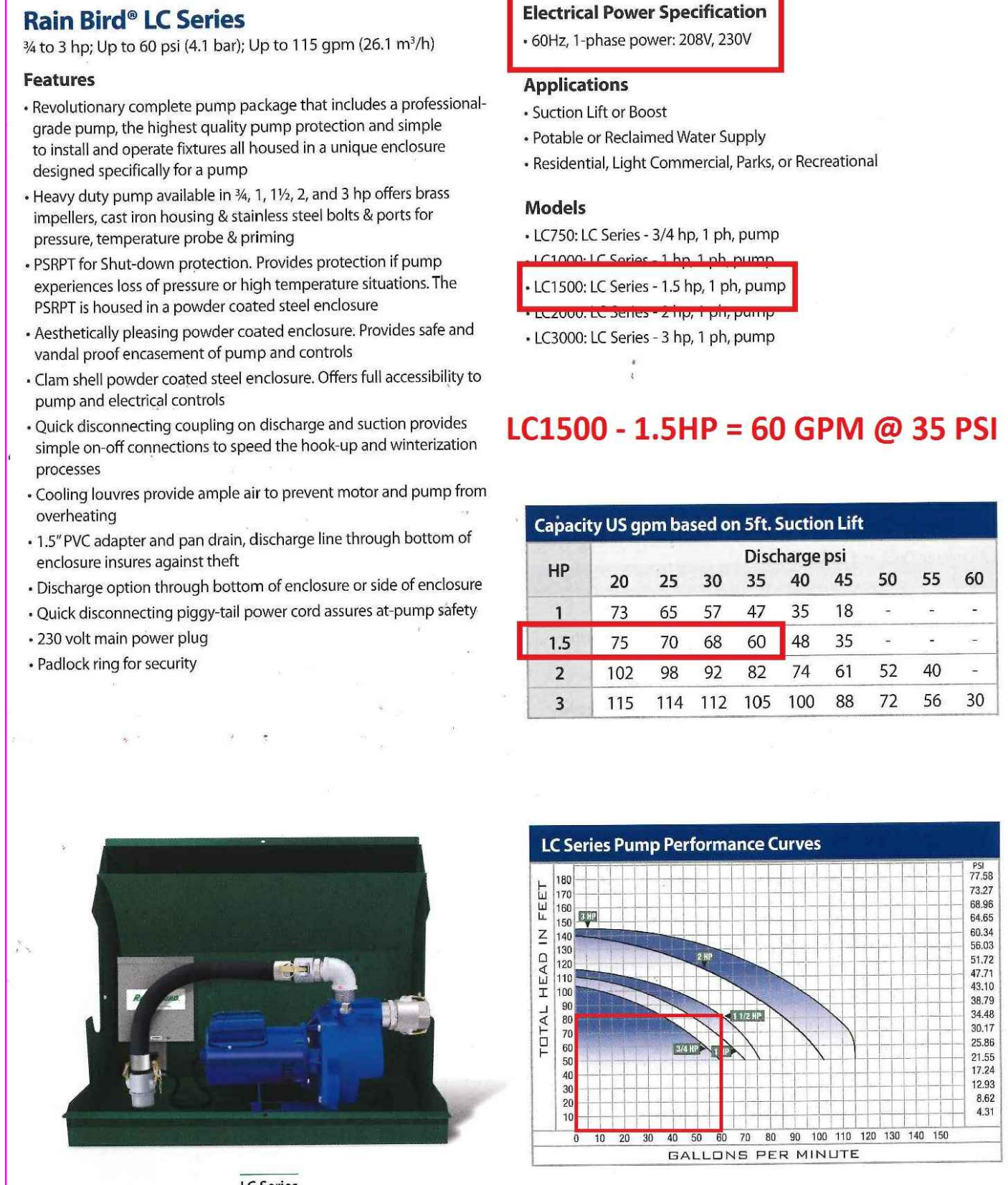


SPECIAL NOTE:

THIS PROJECT REQUIRES THE WORK AND COORDINATION BETWEEN 3 CONTRACTORS

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

APPROX. WELL LOCATION



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 depth from 60- 90 feet.

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

2. Contractor Clean Up and Site restoration

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.
 - o Site Elect. Contractor to provide - power from panel to pump station and clock.
 - o Site Elect. Contractor to provide - Panel box with step down transformer and service outlet for the Irrigation Clock (115V)
 - o 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

LAC ARCHITECT

LANDSCAPE ARCHITECT CONSULTANTS

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Plantation, Florida 33317
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LC-26000422
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TJL@LACFL.COM
LA-0000563
Katy M. Adler, RLA
KATY@LACFL.COM
LA-0001710

DATE	REVISIONS:

DATE:	12-22-16
SCALE:	N.T.S.
DRAWING BY:	AD
DESIGNED BY:	AD

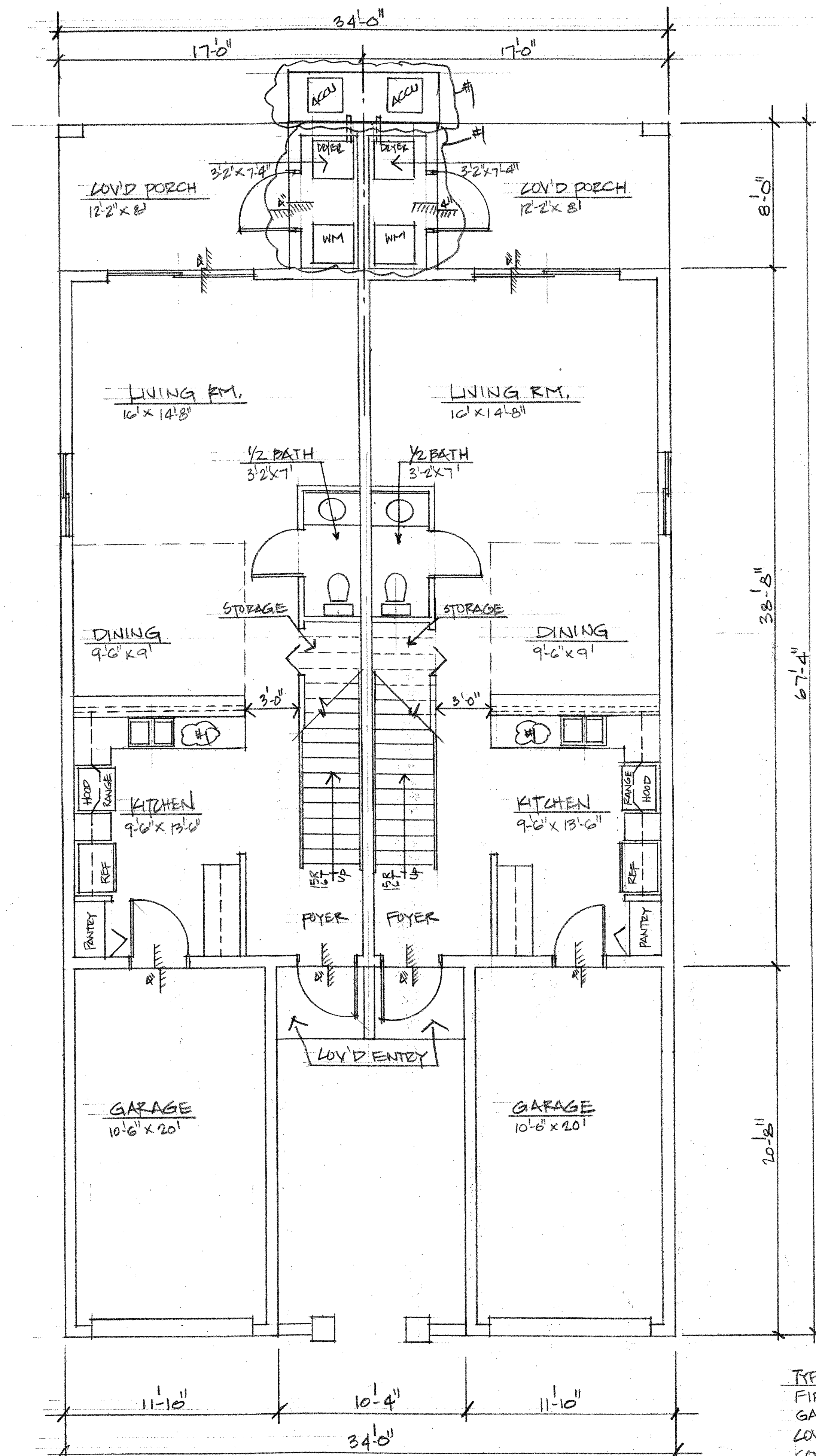
PROJECT: CRISPUS COMMONS PARCEL A BROWARD COUNTY

HOLLYWOOD, FLORIDA

IRRIGATION DETAILS & SPECIFICATIONS

PROJECT NO.	16-082
SHEET:	IR-3 of 3

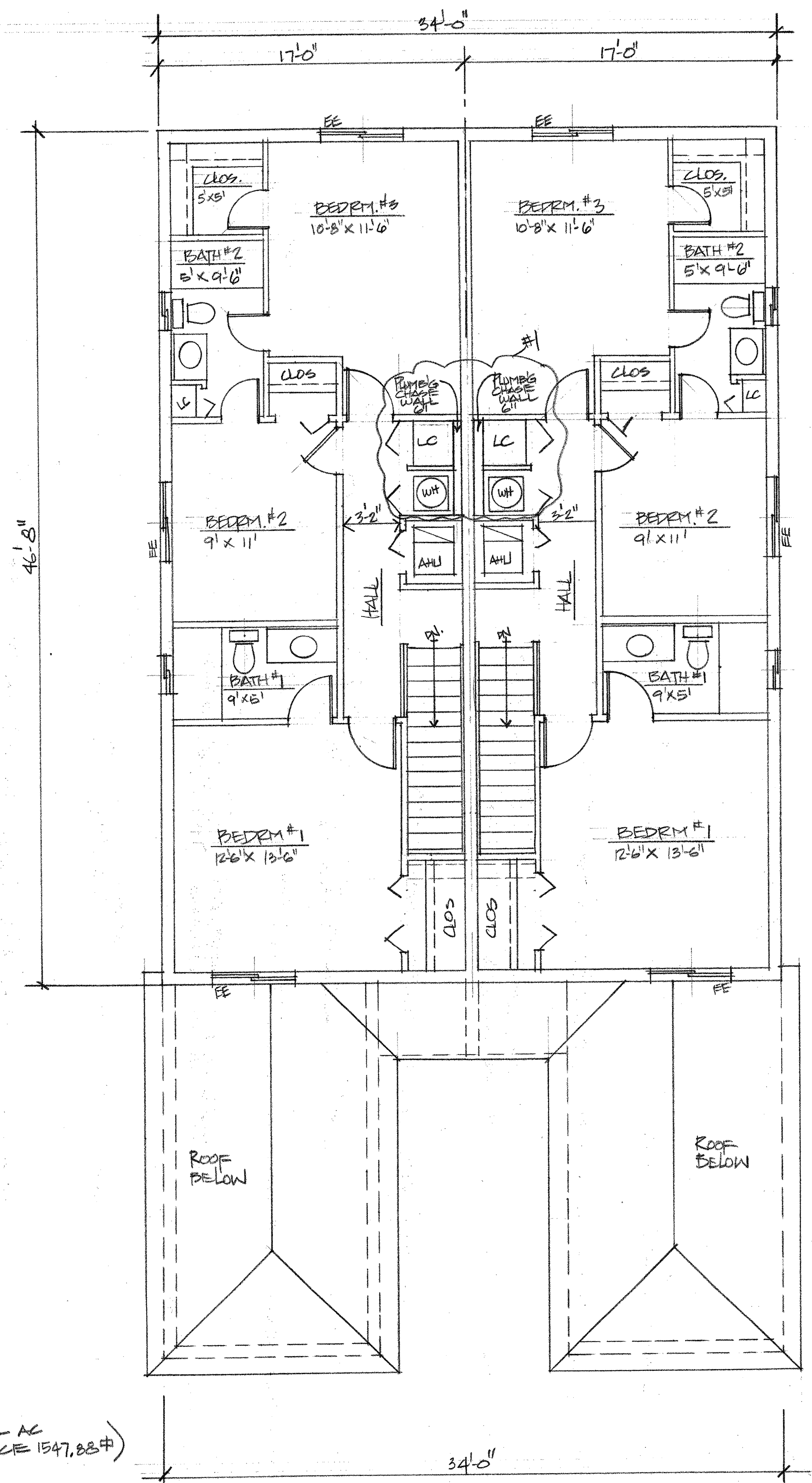
DATE:	THOMAS J. LAUBENTHAL ALA-0000563
PROJECT:	PLC-26500422



FIRST FLOOR PLAN 1/4"=1'-0"
(TRASH CANS TO BE STORED IN GARAGES.)

TYPICAL ONE SIDE OF DUPLEX

FIRST FLOOR	751.77 #	
GARAGE	244.53 #	
LOV'D ENTRY	20.00 #	
LOV'D PORCH	97.36 #	
STORAGE	30.64 #	
SECOND FLOOR	796.11 #	
TOTAL FOOTPRINT (1 ST FLOOR ONLY) = 2288.60 #		(TOTAL AC SPACE 1547.88 #)
(INCLUDE LOV'D ENTRY, LOV'D PORCH & STORAGE)		



SECOND FLOOR PLAN 1/4"=1'-0"
BUILDING'S 1 & 2

REVISIONS:
#1 REV. 11-3-16

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS SUBMITTED HERewith COMPLY WITH ALL EXISTING INTERPRETATIONS AND PROVISIONS OF THE APPLICABLE BUILDING CODES AT THE TIME OF THE PLANS PREPARATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED IS HEREBY GIVEN.

PROPOSED PLANS
FOR CRISPUS COMMONS PARCEL A
EVANS STREET & NORTH 22 AVENUE
HOLLYWOOD, FLORIDA

DONALD ARPIN JR.
A.S.K. LLC COA # 26073 P.E. 20595
4420 NORTH DIXIE HWY. 39394
OAKLAND PARK, FLORIDA
PH. # 954-712-8345 FAX. # 954-712-7478
Email: arpin2@bellsouth.net

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DATE
8-26-16
JOB NO.
0716
SHEET

A-1

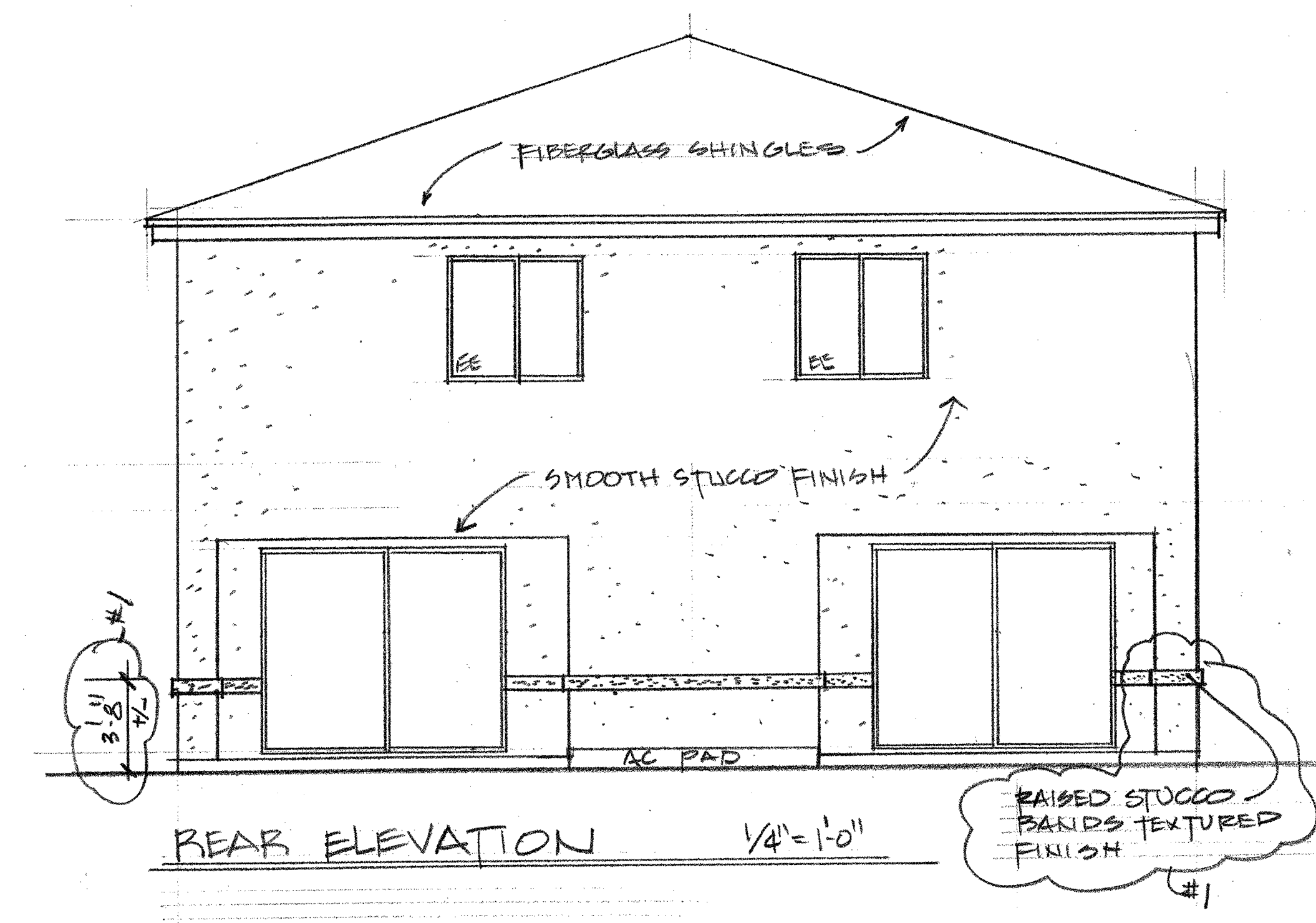
TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS SUBMITTED HEREWITH COMPLY WITH ALL EXISTING INTERPRETATIONS AND PROVISIONS OF THE APPLICABLE BUILDING CODES AT THE TIME OF THE PLANS PREPARATION. NO WARRANTY EITHER EXPRESSED OR IMPLIED IS HEREBY GIVEN.

PROPOSED PLANS
FOR CRISPUS COMMONS PARCEL A
EVANS STREET & NORTH 22 AVENUE
HOLLYWOOD, FLORIDA

DONALD ARPIN JR.
A.G.K. LLC, COA # 26079 P.E. 22225
4320 NORTH DIXIE HWY. 39334
OAKLAND PARK, FLORIDA
PH. # 954-712-9345 FAX. # 954-712-7476
Email: arpin2@bellsouth.net

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OF SHEETS



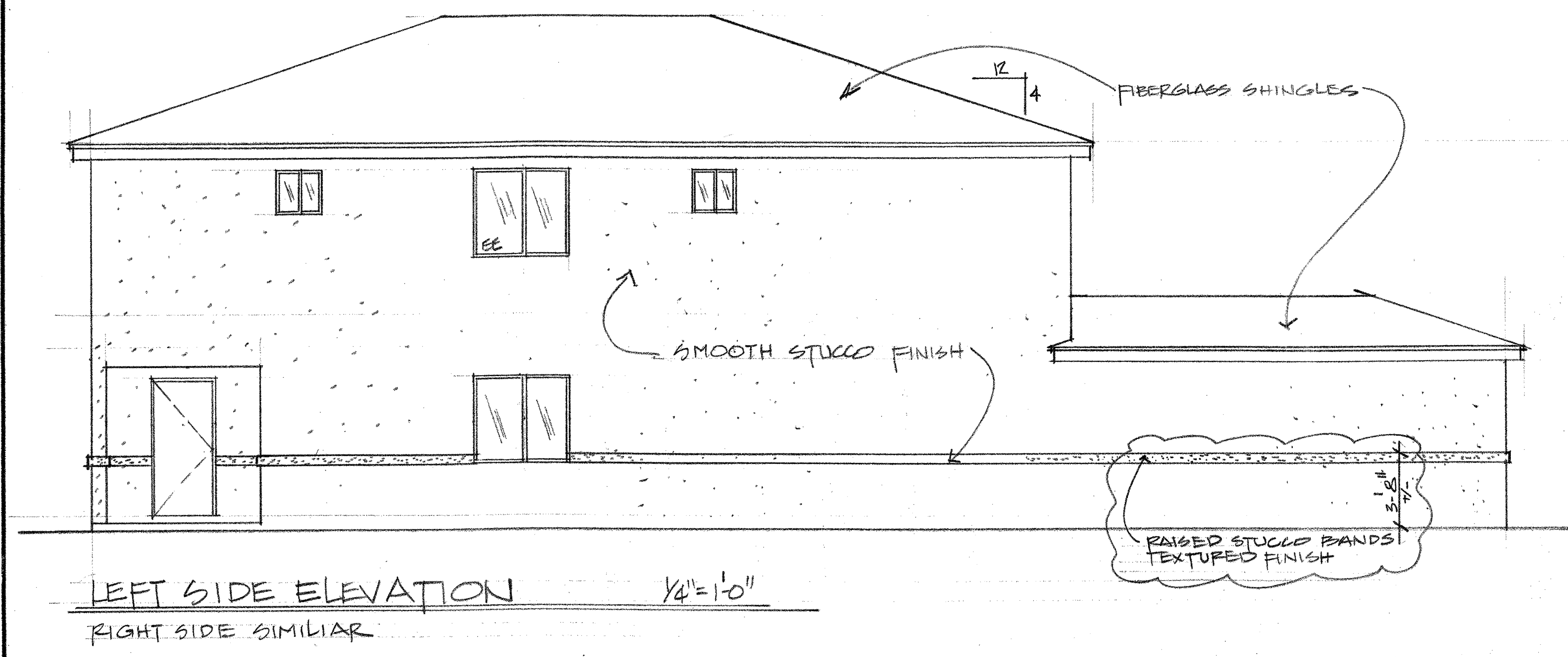
REAR ELEVATION 1/4" = 1'-0"

REVISIONS:
#1 REV 11-3-16



FRONT ELEVATION 1/4" = 1'-0"

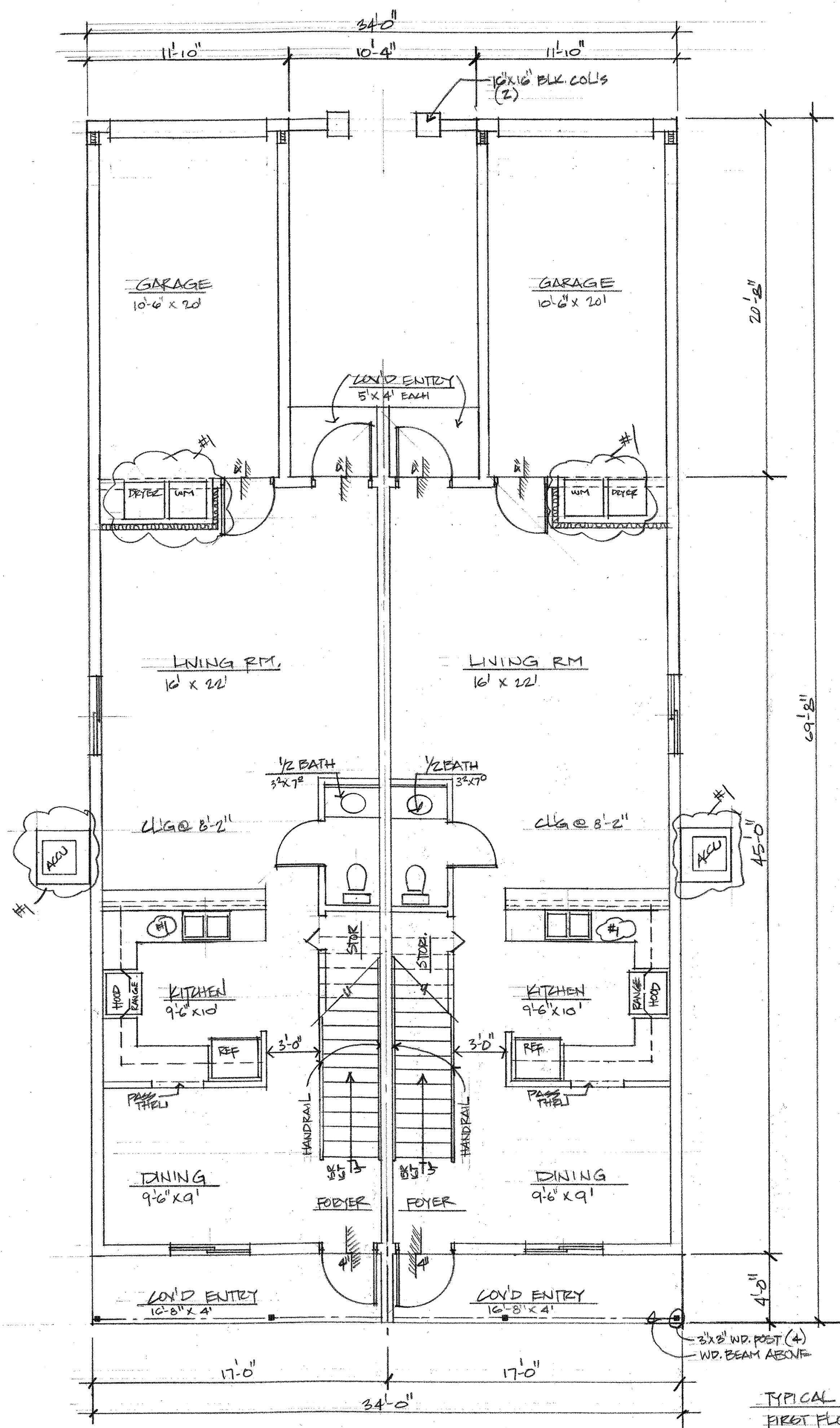
ALL WINDOWS & DOORS (EXTERIOR) TO BE IMPACT RESISTANCE NO SHUTTERS. #1



LEFT SIDE ELEVATION 1/4" = 1'-0"

RIGHT SIDE SIMILIAR

BUILDING'S 1 & 2

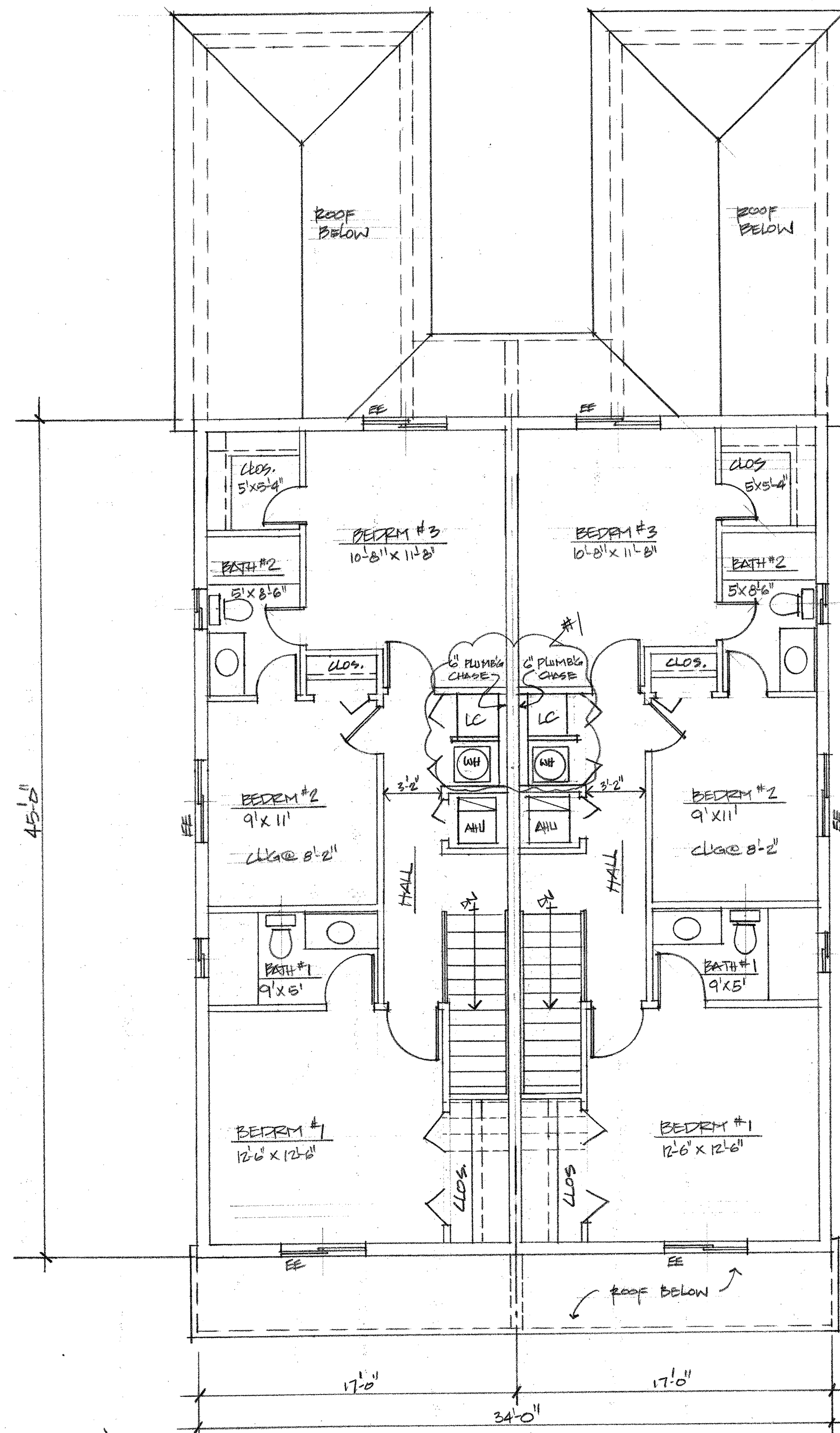


FIRST FLOOR PLAN 1/4"=1'-0"

TRASH CANS TO BE STORED IN GARAGES

TYPICAL ONE SIDE OF DUPLEX	
FIRST FLOOR	720.66 #
GARAGE	244.53 #
COND ENTRY (FRONT)	66.68 #
COND ENTRY (REAR)	20.00 #
SECOND FLOOR	765.00 #

TOTAL FOOTPRINT (1ST FLR. ONLY) = 2194.42 #
(INCLUDE COND ENTRIES & GARAGE)



SECOND FLOOR PLAN 1/4"=1'-0"

BUILDING'S 3 THRU 6

REVISIONS:
#1 REV. 11-3-16

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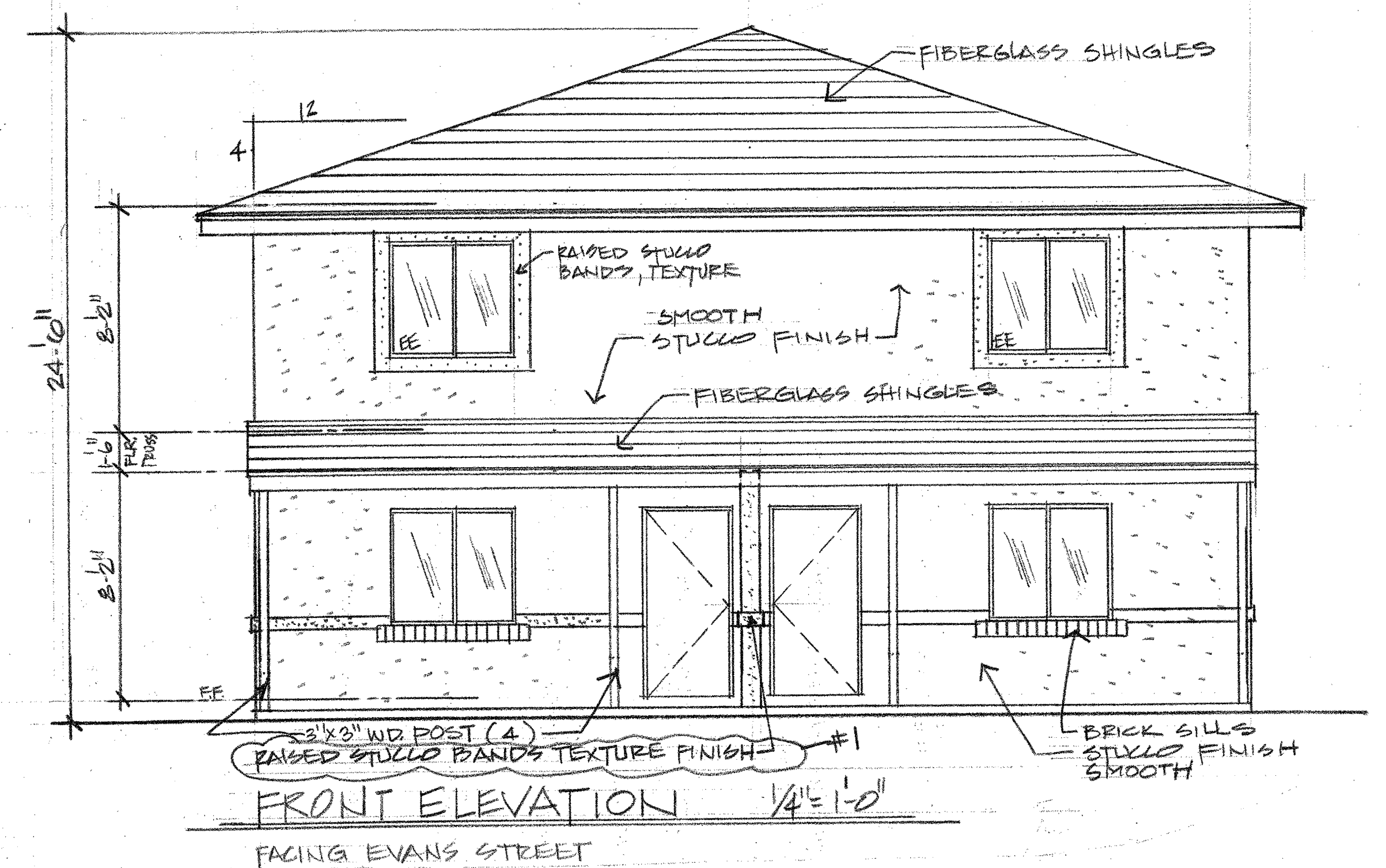
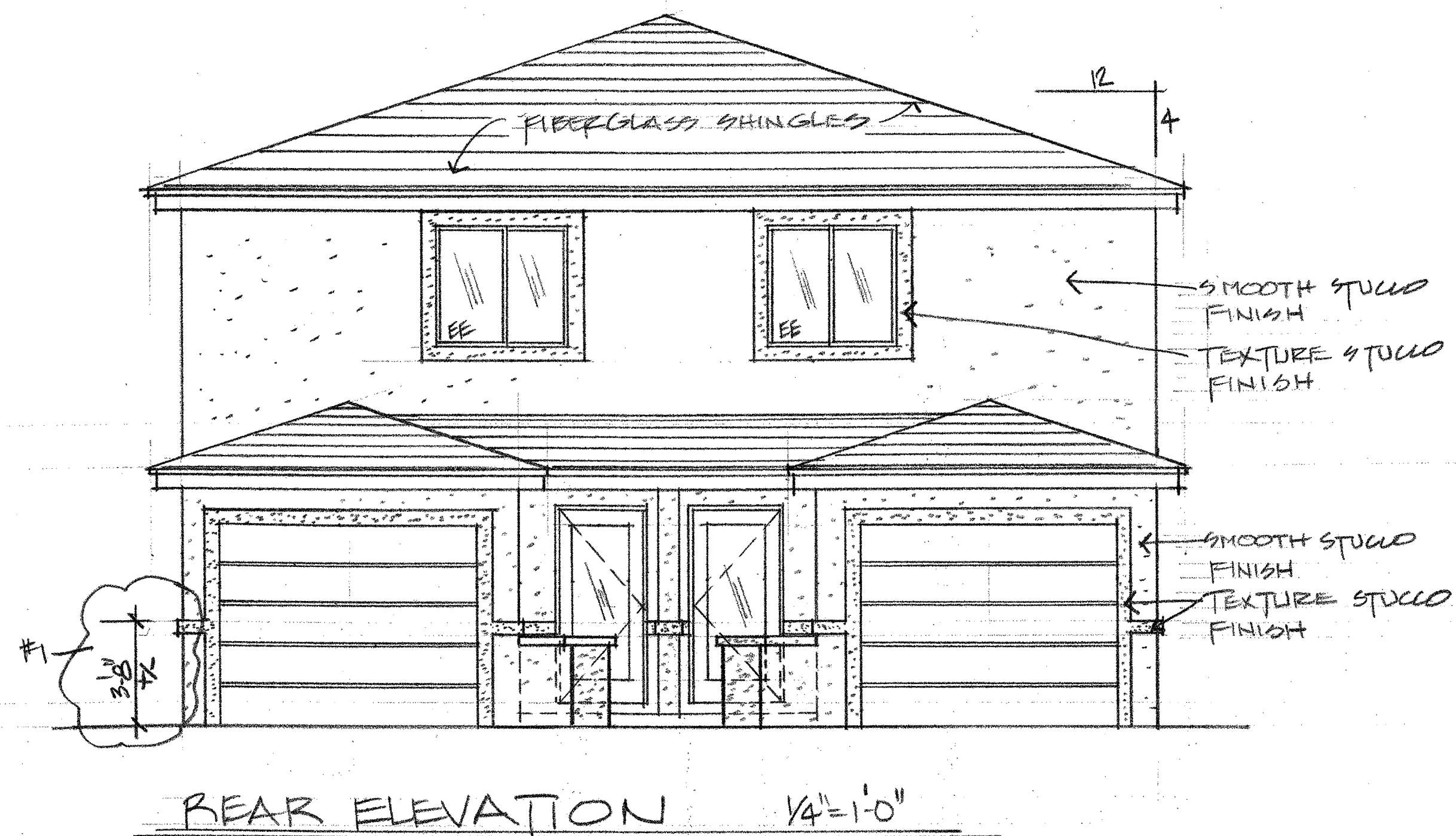
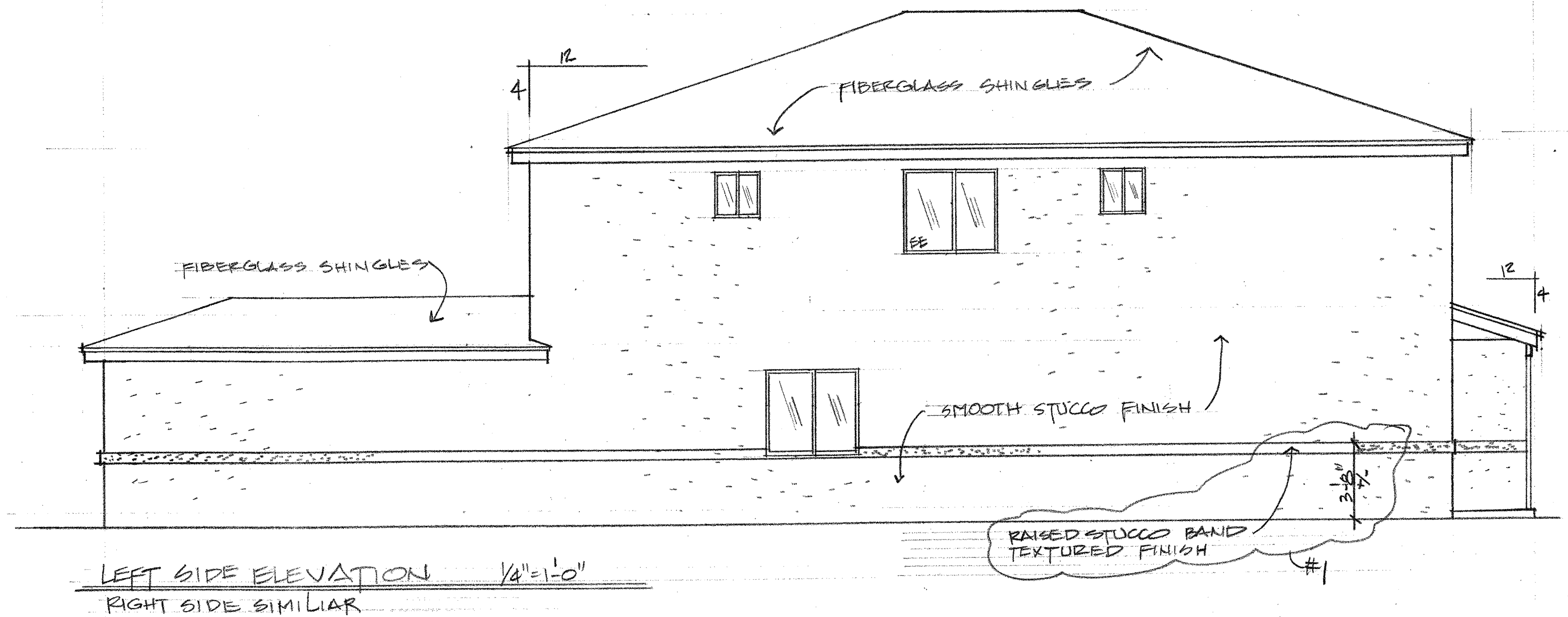
PROPOSED PLANS
FOR CRISPUS COMMONS PARCEL A
EVANS STREET & NORTH 22 AVENUE
HOLLYWOOD, FLORIDA

DONALD ARPIN JR.
A.C.K. LLC, COA # 26079 P.E. 20585
4420 NORTH DIXIE HWY. 33394
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PH: 954-712-8345 FAX: 954-712-7470
Email: arpin2@bellsouth.net

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SHEET

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OF SHEETS

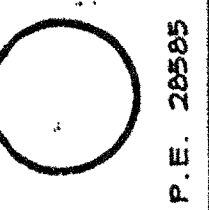


ALL WINDOWS & DOORS (EXTERIOR) TO BE IMPACT RESISTANCE NO SHUTTERS REQUIRED. #1

REVISIONS:
#1 REV 11-3-16

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS SUBMITTED HERewith COMPLY WITH ALL EXISTING INTERPRETATIONS AND PROVISIONS OF THE APPLICABLE BUILDING CODES AT THE TIME OF THE PLANS PREPARATION. NO WARRANTY EITHER EXPRESSED OR IMPLIED IS HEREBY GIVEN.

PROPOSED PLANS
FOR CRISPUS COMMONS PARCEL A
EVANS STREET & NORTH 22 AVENUE
HOLLYWOOD, FLORIDA



DONALD ARPIN JR.
A.C.K. LLC, C.A. # 260719 P.E. 205593
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PH: 954-772-8945 FAX: 954-772-7476
Email: arpin2@bellsouth.net

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0716
SHEET

A-4

This Space For Use By Broward County Health Department



DEPARTMENT OF HEALTH
BROWARD COUNTY HEALTH DEPARTMENT
2421 S.W. 6th Avenue
Fort Lauderdale, Florida 33315-2613

DEPARTMENT OF ENVIRONMENTAL PROTECTION

**CONSTRUCTION PERMIT APPLICATION FOR
COMMUNITY WATER SYSTEM EXTENSION**

This Space For Use By Broward County Health Department

APPROVAL DATE _____ **PERMIT NO.** _____

INSTRUCTIONS:

1. All items must be completed in full in order to avoid delay in processing of this application.
2. All information is to be typed or printed in ink. All required signatures on each copy of the application are to be original and dated. The Engineer of Record must affix each application with an impression type metal seal.
3. Submission of any false statement or representation in this application is a violation of the law.
4. Completed project documents, including engineering plans, specifications and application forms, as prepared by a Professional Engineer registered in the State of Florida, are to be submitted in quadruplicate (4 copies to the Broward County Health Department).
5. A business check covering the application fee is to accompany the project submittal. All checks are to be made payable to "Broward County Health Department". The fee schedule is \$0.15 per running foot of pipe sized 12 inches in diameter or larger, \$0.12 per running foot of pipe sized 6 inches thru 10 inches, and \$0.08 per running foot of pipe sized 2 inches thru 4 inches. Onsite mains that are master-metered and fire mains are included in the calculation of the fee. The total fee will include the DEP General Permit fee of \$250.00.

Project name: Crispus Commons

Project address: W. side of North 22nd Avenue @ SW 3rd Street, Hollywood, FL

Project located within corporate limits of Hollywood, or unincorporated area ()
(MUNICIPALITY NAME)

Applicant's name & title: Henry Graham, Executive Director

Applicant's address: 3100 N. 24 Ave. Building #1 - 1st Floor, Hollywood, Fla. 33020

Utility name: City of Dania Utilities System #: _____

Estimated total cost of proposed water distribution improvements: \$7,700.00

Calculation of ERC's (Equivalent Residential Connections):

Dwelling units: 7 units x 3.5 person/unit x 100 gpd/person ÷ 350 gpd/ERC = 7.0 ERC's.

Retail/warehouse: _____ sq. ft. x 0.1 gpd/sq. ft. ÷ 350 gpd/ERC = _____ ERC's.

Office building: _____ sq. ft. x 0.2 gpd/sq. ft. ÷ 350 gpd/ERC = _____ ERC's.

Other development: _____

Utility is capable of supplying _____ equivalent residential connections.

Max. daily output: _____ mgd on _____ equating to _____ equivalent residential connections.
(Date)

SCHEDULE OF PROPOSED WATER MAIN CONSTRUCTION — CALCULATION OF APPLICATION FEE

PIPE SIZE	2"	4"	6"	8"	10"	12"	16"		DEP GENERAL PERMIT FEE
MATERIAL			DIP						
LENGTH (FT.)			235						
FEE MULTIPLIER	0.08	0.08	0.12	0.12	0.12	0.15	0.15		
FEE CALCULATION			28.20						\$250.00
TOTAL FEE	\$278.20								

Does this project include sanitary sewerage facilities? ☒ Yes ☐ No; Are facilities shown on water plans? ☒ Yes ☐ No

Remarks: _____

A. APPLICANT:

LES, Inc.

I, the undersigned owner/authorized representative of _____, am fully aware that the statements made in this application for a permit to construct an extension to the above-referenced utility are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the facilities in such a manner as to comply with the provisions of Chapter 403, the Florida Safe Drinking Water Act, Sections 403.850-.864, Florida Statutes, and all pertinent rules and regulations of the Department of Environmental Protection. I also understand that a permit is non-transferable and will promptly notify the Broward County Health Department upon sale or legal transfer of the permitted facilities.

Signed: _____

Owner/Authorized Representative

Henry Graham, Executive Director

Name and Title (Please Type)

Date: 3/26/01 Telephone No. (954) 921-2371**B. OWNER/AUTHORIZED REPRESENTATIVE OF UTILITY SUPPLYING WATER (IF APPLICABLE)**

I, the undersigned owner/authorized representative of City of Dania Utilities, hereby certify that the above-referenced utility has adequate reserve capacity to supply water to this project and will provide the necessary treatment as required by Chapter 403, the Florida Safe Drinking Water Act, Sections 403.850-.864, Florida Statutes, and all pertinent rules and regulations of the Department of Environmental Protection.

Signed: _____

Owner/Authorized Representative

Robert Palm, Director of Utility and Public Works

Name and Title (Please Type)

Date: 3/27/2001 Telephone No.: (954) 924-3740**C. OWNER/OPERATOR AFTER CONSTRUCTION (if different from applicant)**

I, the undersigned, do certify that I will become the owner/operator of the proposed facilities after construction. Further, certify that I am fully aware that the statements made in this application are true, correct and complete to the best of my knowledge and belief. Also, I agree to operate and maintain the facilities in such a manner as to comply with the provisions of Chapter 403, the Florida Safe Drinking Water Act, Sections 403.850-.864, Florida Statutes, and all pertinent rules and regulations of the Department of Environmental Protection. I understand the permit is non-transferable and will promptly notify the Broward County Health Department upon sale or legal transfer of the permitted facilities.

Signed: _____

Owner/Authorized Representative

Robert J Palm Director of Utilities / Public Works

Name and Title (Please Type)

Date: 3/27/2001 Telephone No.: 954-924-3740**D. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA**

This is to certify that the engineering aspects of this proposed community water system extension have been designed/examined by me and found to be in conformity with current, accepted engineering principles applicable to the distribution of drinking water. There is reasonable assurance in my professional judgement that the facilities, when constructed as planned and properly maintained and operated, will comply with all applicable statutes of the State of Florida and the rules and regulations of the Department of Environmental Protection.

Signed: _____

Paul Peana, PE

Name (Please Type)

Associated Engineers of South Florida

Company Name (Please Type)

5450 Griffin Road

Mailing Address (Please Type)

Davie, FL 33314

(Affix Seal)

Florida Registration No.: 37334Date: 3/26/01 Telephone No.: (954) 584-6880

STANDARD PROVISOS

The plans for the proposed improvements cited in the foregoing application are hereby approved under authority of Chapter 403, the Florida Safe Drinking Water Act, Sections 403.850-.864, Florida Statutes, with the following provisos:

1. Construction of this project must be commenced within one year from the date of approval; otherwise, a renewal fee and letter requesting a one-year extension of the permit must be submitted for approval by this Department. The Engineer of Record in this application is responsible for observation of the construction of this project and upon completion shall inspect for complete conformity to the plans and specifications as approved. Prior to actual connections to the distribution mains, the Engineer of Record shall submit to this Department a letter of certification, one (1) set of as-built plans, a business check or cash for \$40.00, copies of pressure testing and bacteriological main clearance results. No actual connections shall be made to the mains until written acceptance is issued by the Broward County Health Department.
2. All new water mains shall be installed, cleaned, disinfected, and bacteriologically cleared for service in accordance with the latest applicable ANSI/AWWA Standards and Department of Environmental Protection rules and regulations.
3. Where potable water supply mains and sewer mains cross with less than 18" vertical clearance, the sewer will be 20' of ductile iron pipe, centered on the point of crossing. When a potable water supply main parallels a gravity or sanitary sewer force main, a separation of at least 10' should be maintained where practical. All sewer mains shall meet ANSI/AWWA material Standards on crosses and when a separation of at least 10' cannot be maintained.
4. The total number of connections (ERC's) to the water treatment plant shall not generate a demand in excess of the approved plant capacity.

The official copies of plans and specifications accompanying this application have been sealed and stamped with the permit number as indicated hereon. Only such plans and specifications are included in this approval and any erasures, additions or alterations affecting the efficiency of operation or public health protective value of the proposed improvement will make such approval null and void.

By: _____
BCHD Permitting Agent

For: Thomas K. Mueller, P.E., Director of Environmental Engineering, BCHD
Florida Registered Engineer No. 22869

Date: _____