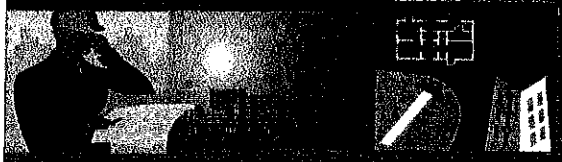
RECEIVED

PLANNING DIVISION



2600 Hollywood Boulevard Room 315
Hollywood, FL 33022

File No. (internal use only): _____

GENERAL APPLICATION

CITY OF Hollywood FLORIDA

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: 4-30-2018

Location Address: 2324 Jhonson Street.
Lot(s): 13 Block(s): 12 Subdivision: Hollywood Little Ranches
Folio Number(s): 5142 1601 4610
Zoning Classification: DH-2 Land Use Classification: MULTI FAMILY REA.
Existing Property Use: S.F. Sq Ft/Number of Units: 1000 S.F. Single FAMIL
Is the request the result of a violation notice? ( ) Yes (X) No If yes, attach a copy of violation.
Has this property been presented to the City before? If yes, check al that apply and provide File Number(s) and Resolution(s): _____

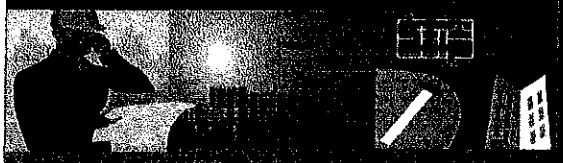
☐ Economic Roundtable ☑ Technical Advisory Committee ☐ Historic Preservation Board
☐ City Commission ☐ Planning and Development

Explanation of Request: _____

Number of units/rooms: 1 UNIT ONE BED. 1 UNITS TWO BED. Sq Ft: 10 (700 SF) 1 (600 SF) 1 (400 SF) TOTAL 9500 SF.
Value of Improvement: 1 UNIT STUDIO $900,000 Estimated Date of Completion: 8-2019
Will Project be Phased? ( ) Yes (X) No If Phased, Estimated Completion of Each Phase

Name of Current Property Owner: 4 4 Y H CONSTRUCTION INC. (SAMIH HADDAD)
Address of Property Owner: 890 ALFONSO AVE CORAL GABLES, FL.
Telephone: 4195091015 Fax: _____ Email Address: HADDADHOMES@YAH
Name of Consultant/Representative/Tenant (circle one): MIGUEL de DIEGO, "CON.
Address: 1657 Tyler Street Suite 107 Telephone: 9549263358
Fax: 9549262021 Email Address: deDiegoarch@aol.com.
Date of Purchase: 8-31-2017 Is there an option to purchase the Property? Yes ( ) No (X)
If Yes, Attach Copy of the Contract.
List Anyone Else Who Should Receive Notice of the Hearing: _____
Address: _____
Email Address: _____

PLANNING DIVISION



2600 Hollywood Boulevard Room 315
Hollywood, FL 33022

File No. (internal use only): _____

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: _____ Date: 4-30-2018

PRINT NAME: Sarim Khadra Date: 4-30-2018

Signature of Consultant/Representative: _____ Date: 4-30-2018

PRINT NAME: Miguel De Diego Date: 4-30-2018

Signature of Tenant: N/A Date: _____

PRINT NAME: N/A Date: _____

Current Owner Power of Attorney

I am the current owner of the described real property and that I am aware of the nature and effect the request for _____ to my property, which is hereby made by me or I am hereby authorizing _____ 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 ___ Produced Identification _____

ALTA/NSPS LAND TITLE SURVEY

LOCATION MAP
NOT TO SCALE

DESCRIPTION:

LOT 13, LESS THE SOUTH 60 FEET THEREOF, BLOCK 12, "AMENDED PLAT OF HOLLYWOOD LITTLE RANCHES", ACCORDING TO PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 26, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
SAID LAND SITUATED IN THE CITY OF HOLLYWOOD, BROWARD COUNTY, FLORIDA

SURVEYOR'S NOTES:

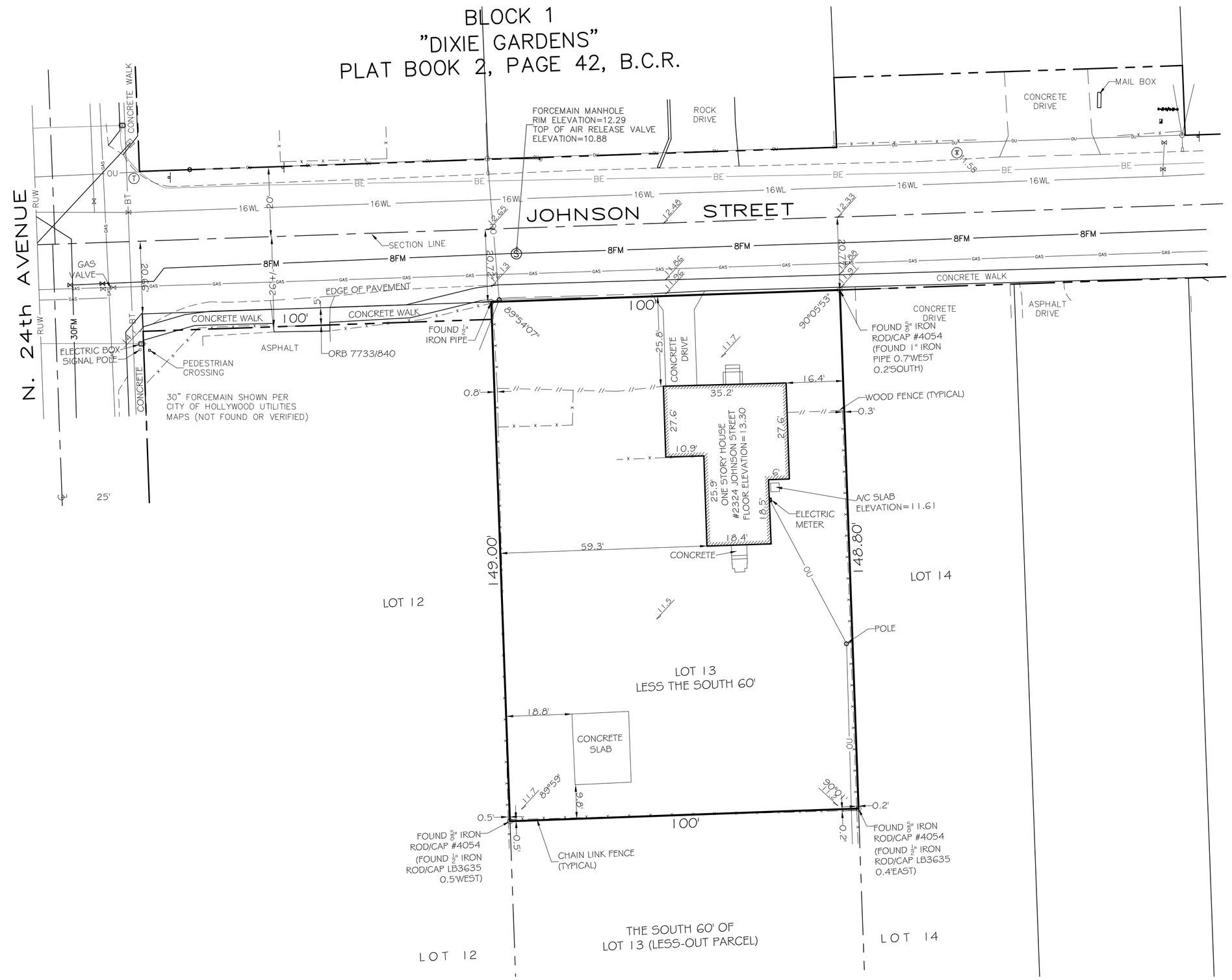
1). THE BOUNDARY SURVEY OF THE REAL PROPERTY DEPICTED ON THIS SURVEY REPRESENTS THE PROFESSIONAL OPINION OF THE UNDERSIGNED, BASED ON THE DESCRIPTION ATTACHED HEREON.
2.) THE USE OF THE WORD "CERTIFY" AS USED HEREON IS AN EXPRESSION OF PROFESSIONAL OPINION AND DOES NOT CONSITUTE A WARRANTY OR GUARANTEE,
3.) EXCEPT AS SPECIFICALLY STATED OR SHOWN HEREON, THIS SURVEY
DOES NOT PURPORT TO REFLECT OR REPRESENT THE ABSENCE OR EXISTENCE OF ANY OF THE FOLLOWING, WHICH MAY BE APPLICABLE TO THE PRESENT OF INTENDED USES OF THE SUBJECT PROPERTY: EASEMENTS, BUILDING SETBACK LINES, RESTRICTIVE COVENANTS, ZONING AND OTHER LAND USE REGULATIONS, THE LOCATION OF SUBSURFACE IMPROVEMENTS, STRUCTURES OR UTILITIES, SUBSURFACE WATER FLOW, BOTH ONTO OR FROM THE SITE, ENVIRONMENTALLY REGULATED OR SENSITIVE LANDS, WETLANDS,ROADWAYS OR STREETS, PROPOSED USES, HISTORICALLY SENSITIVE LAND,ARCHEOLOGICALLY SENSITIVE LANDS,
OR RIGHT OF ACCESS.
5.) NO WETLAND MARKERS WERE OBSERVED BY THE UNDERSIGNED. NO FIELD DELINEATION OF WETLANDS BY A QUALIFIED SPECIALIST WAS REQUESTED BY THE UNDERSIGNED.
6.) ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL,
DATUM OF 1988.
7.) BENCHMARK REFERENCE: CITY OF HOLLYWOOD – INTERSECTION OF McKINLEY ST AND N 57 AV AND N 58 AV.
8.) WITH REGARD TO TABLE A, ITEM 11 REFERENCED IN THE SURVEYOR'S CERTIFICATION:
THIS SURVEY REFLECTS OBSERVED EVIDENCE OF UTILITIES. LACKING EXCAVATION, THE
EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY AND COMPLETELY DEPICTED.

SURVEY CERTIFICATION:

TO:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA / NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 8, 11(LIMITED), 13, 14, 16 AND 18 OF TABLE A THEREOF.

THE FIELD WORK WAS COMPLETED ON NOVEMBER 14, 2017



LEGEND

CBL	CABLE TV RISER	— x — x — x — x —	CHAINLINK FENCE
TEL	TELEPHONE RISER	— // — // — // — // —	WOOD FENCE
EB	ELECTRIC BOX		CONCRETE WALL
	BACKFLOW PREVENTOR	BT	BURIED TELEPHONE
	SIAMESE CONNECTION	FM	BURIED FORCE MAIN
	BOLLARD	WL	BURIED WATER LINE
	METAL LIGHT POLE	RUW	REUSE WATERLINE
	GATE VALVE	CATV	BURIED CABLE TV
	WATER METER	BE	BURIED ELECTRIC
	FIRE HYDRANT ASSEMBLY	GAS	BURIED GAS LINE
	MANHOLE - SEE SURVEY	OU	OVERHEAD UTILITY
	CB		CENTERLINE
	WOOD POWER POLE	CONC.	CONCRETE
	CONCRETE POWER POLE	O.R.B.	OFFICIAL RECORD BOOK
	ANCHOR/GUY WIRE	B.C.R.	BROWARD COUNTY RECORDS
	CONCRETE LIGHT POLE		
	TRAFFIC SIGN POST		
	CLEANOUT		

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 INCH = 20 FEET

BENCHMARK REFERENCE:
NGS MONUMENT "M 312" PID AD2500 ELEVATION = 13.44 (NAVD88)

NOTES
1) THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT. EASEMENTS AND RIGHTS-OF-WAY PER RECORD PLAT HAVE BEEN SHOWN HEREON. NO FURTHER SEARCH FOR MATTERS OF RECORD HAS BEEN MADE BY THIS FIRM.
2) THIS SURVEY IS PREPARED FOR THE SOLE AND EXCLUSIVE USE OF THE PARTIES AS SURVEYED FOR AND AS CERTIFIED TO AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL.
3) ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
4) NORTH ARROW RELATIVE TO ASSUMED EAST ALONG THE CENTERLINE OF JOHNSON STREET.
5) ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY

FEMA FLOOD INSURANCE RATE MAP						COMMUNITY NO.
CITY OF HOLLYWOOD						N/A
BROWARD COUNTY, FLORIDA						
PANEL NO.	SUFFIX	ZONE	FIRM DATE	BASE ELEV.	LOWEST FLR. ELEV	AVG. GRD.
N/A	N/A	N/A	N/A	N/A	N/A	N/A

REVISION	DATE	BY

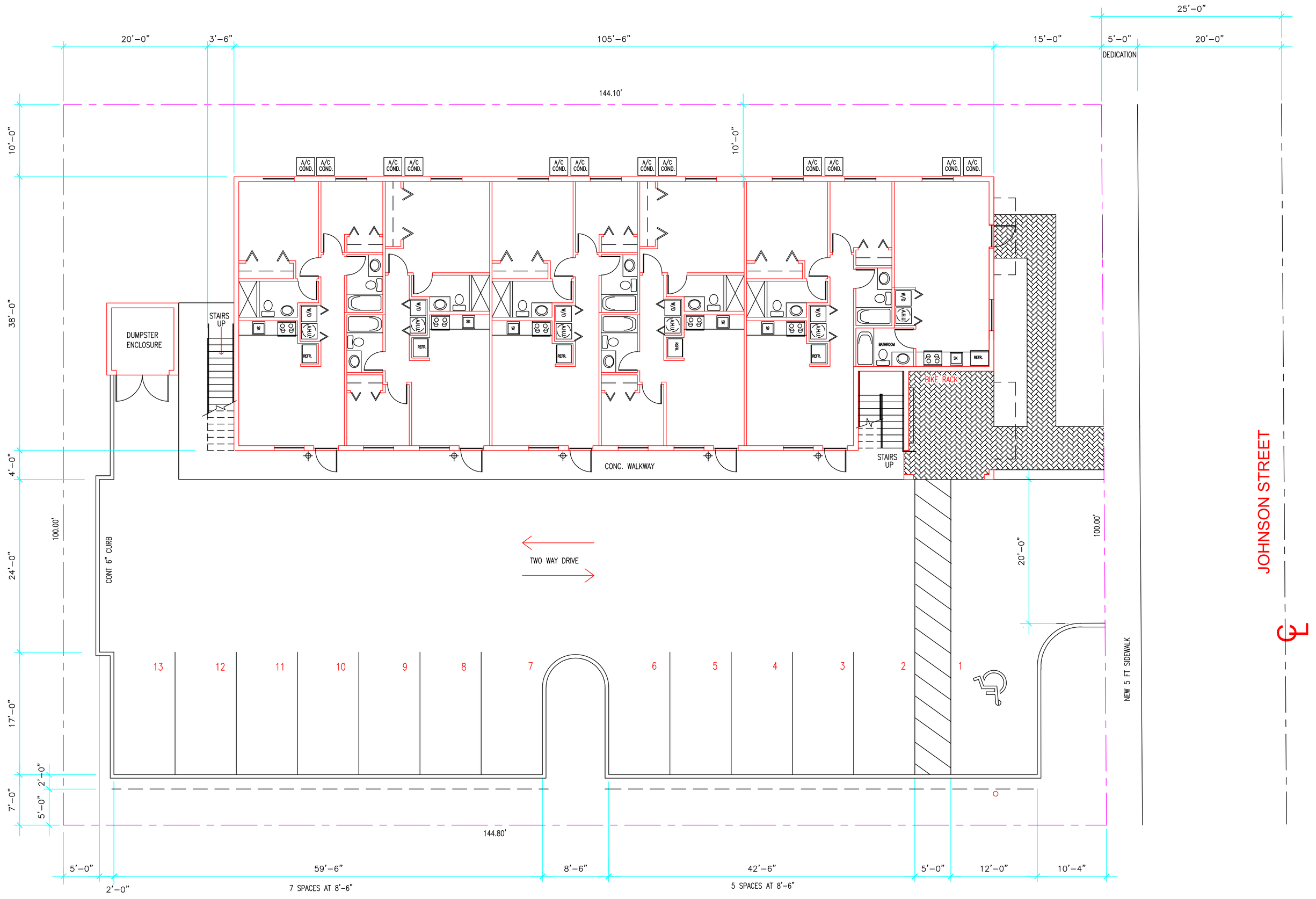
ALTA/NSPS
LAND TITLE SURVEY

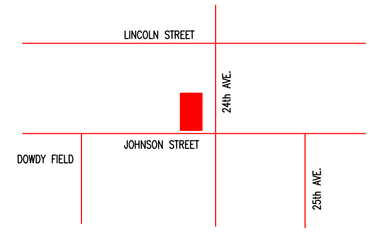
JOB #:8806	DATE: 11-14-17	DRAWN BY:CM
SCALE: 1"=20'	SHEET	CHECKED BY: SKS

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

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

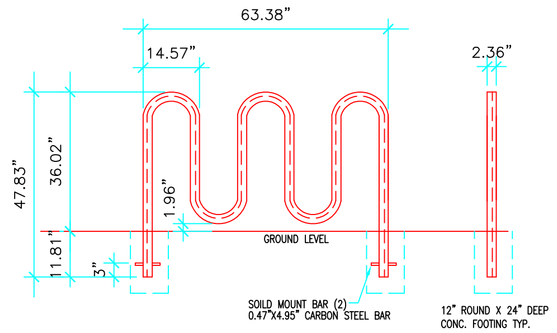
GIBBS LAND SURVEYORS
2131 HOLLYWOOD BOULEVARD, SUITE 204
HOLLYWOOD, FL 33020 (954) 923-7666
LICENSED BUSINESS NO. 7018





LOCATION PLAN

N.T.S.



BICYCLE RACK DETAIL

N.T.S.

GREEN BUILDING REQUIREMENTS (151.153)

1. ALL DOORS SHALL CONFORM TO THE ENERGY STAR RATING CRITERIA FOR SOUTH FLORIDA
2. PROVIDE PROGRAMABLE THERMOSTATS
3. PROVIDE DUAL FLUSH TOILETS. VERIFY TO USE LESS THAN ONE GALLON TO FLUSH LIQUIDS AND 1.6 GALLONS OR LESS FOR SOLIDS.
4. PROVIDE MERV OF AIR FILTERS ON ALL AIR CONDITIONING UNITS AT LEAST 8 WITH ANTIMICROBIAL AGENT. MERV OF AT LEAST 8 SHALL BE VERIFIED BY THE MECHANICAL INSPECTOR ON SITE AT FINAL INSPECTION.
5. ALL OUTDOORS LIGHTS INCLUDING FLUORECENT BULBS AND FIXTURES WITH ELECTRONIC BALLAST LOW PRESSURE SODIUM OR MERCURY VAPOR, PHOTOVOLTAIC SYSTEM, LED LIGHTING AND LOW VOLTAGE LANDSCAPE LIGHTS THAT RUN ON TIMER. ALL ENERGY EFFICIENT OUTDOOR LIGHTING SHALL BE VERIFIED BY THE ELECTRICAL INSPECTOR AT FINAL INSPECTION.
6. ALL DOORS SHALL CONFORM TO THE ENERGY STAR RATING CRITERIA FOR SOUTH FLORIDA
7. AT LEAST 80% OF PLANTS, TREES AND GRASSES PER SO. FL. WATER MANAGEMENT DISTRICT RECOMMENDATIONS
8. PROVIDE ALL ENERGY EFFICIENT OUTDOOR LIGHTING
9. ALL HOT WATER PIPES TO BE INSULATED
10. ALL UNITS TO HAVE TANKLESS WATER HEATERS

SITE PLAN

SCALE: 1/8"=1'-0"

N

LEGAL DESCRIPTION

LOT 13 LESS THE SOUTH 60 FEET THERE OF BLOCK 12
AMENDED PLAT OF "HOLLYWOOD LITHE RANCHES"
PLAT BOOK 1 PAGE 26 BROWARD COUNTY FLORIDA

SITE CALCULATIONS

SITE: 14,480.00 S.F. .33 ACRES

BUILDING FOOTPRINT	4,053.00 S.F.	28.00 %
PARKING	5,490.00 S.F.	37.91 %
WALKS AND STAIRS	800.00 S.F.	5.52 %
LANDSCAPE	4,137.00 S.F.	28.58 %

NO.	DATE	REVISION

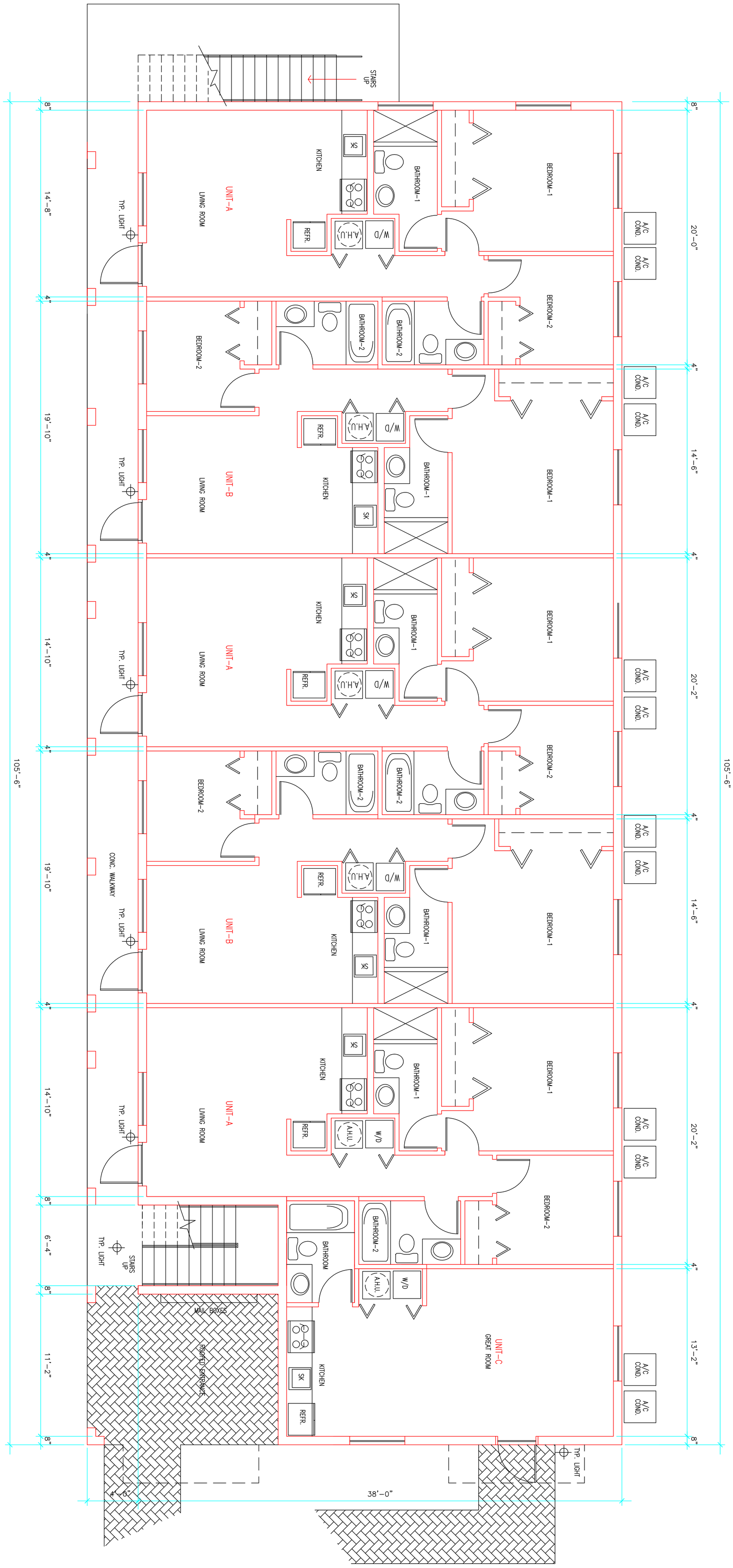
12 UNITS APARTMENTS
2324 JOHNSON STREET
HOLLYWOOD , FLORIDA

Miguel de Diego
ARCHITECT P.A.
AA-26001641
1657 TYLER STREET SUITE 107 HOLLYWOOD, FLORIDA 33020
PH. (954) 926-3358 FAX (954) 926-2021

CHECKED
DRAWN
DATE 3-9-2018
COMM. NO. 17-198

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, NOTES AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK

1/5



GROUND FLOOR PLAN

SCALE: 1/4"=1'-0"

UNIT-A = 700.00 SQ. FT.
UNIT-B = 680.00 SQ. FT.
UNIT-C = 400.00 SQ. FT.

N

2/5

CHECKED
DRAWN
DATE 3-9-2018
COMM. NO. 17-198

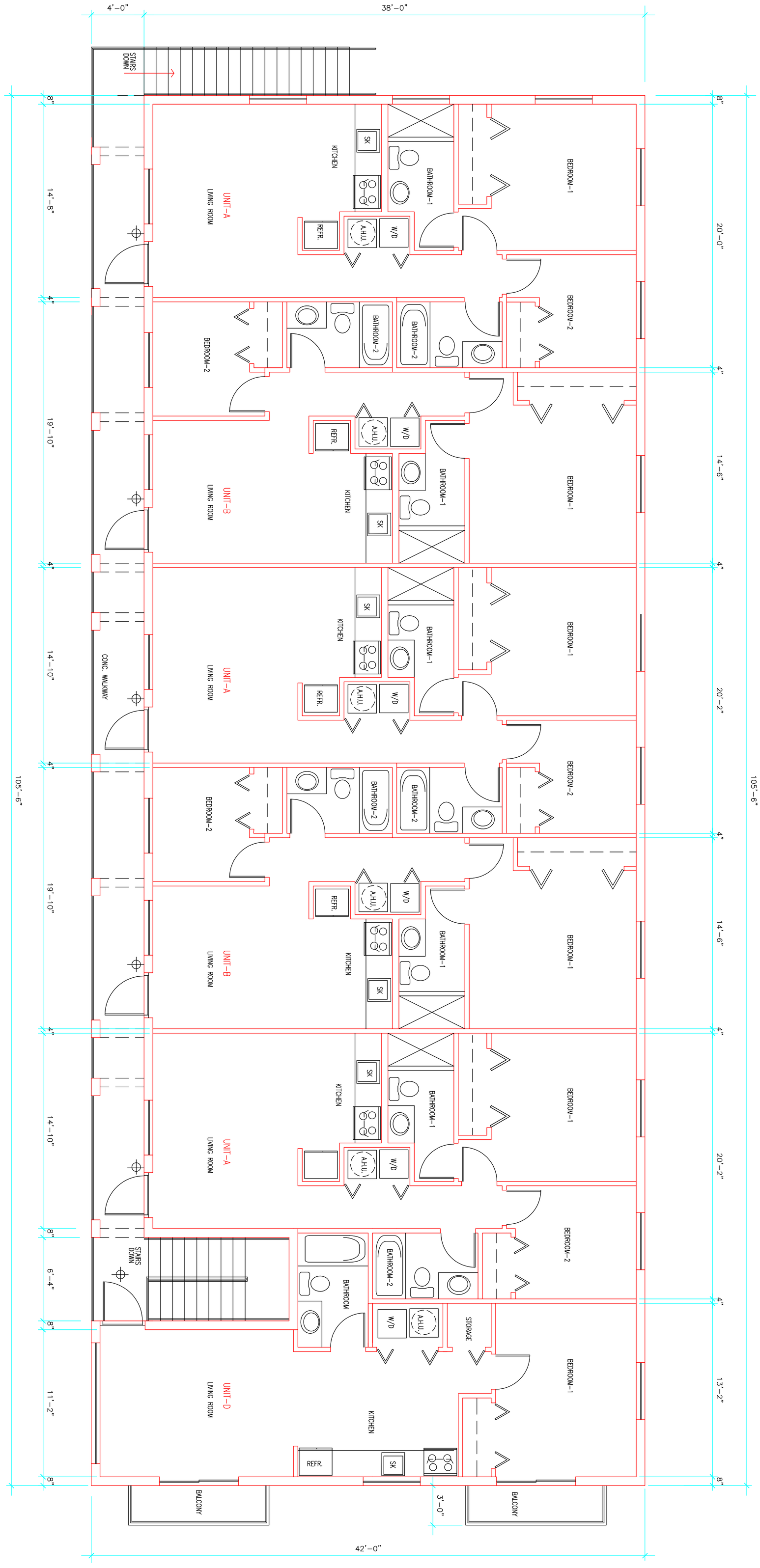
Miguel de Diego
ARCHITECT P.A.
AA-26001641
1657 TYLER STREET SUITE 107 HOLLYWOOD, FLORIDA 33020
PH. (954) 926-3358 FAX (954) 926-2021

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, NOTES AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK

12 UNITS APARTMENTS

2324 JOHNSON STREET
HOLLYWOOD , FLORIDA

NO.	DATE	REVISION



SECOND FLOOR PLAN

SCALE: 1/4"=1'-0"

N

UNIT-A = 700.00 SQ. FT.
UNIT-B = 680.00 SQ. FT.
UNIT-D = 600.00 SQ. FT.

3
5

CHECKED
DRAWN
DATE 3-9-2018
COMM. NO. 17-198

Miguel de Diego
ARCHITECT P.A.
AA-26001641
1657 TYLER STREET SUITE 107 HOLLYWOOD, FLORIDA 33020
PH. (954) 926-3358 FAX (954) 926-2021

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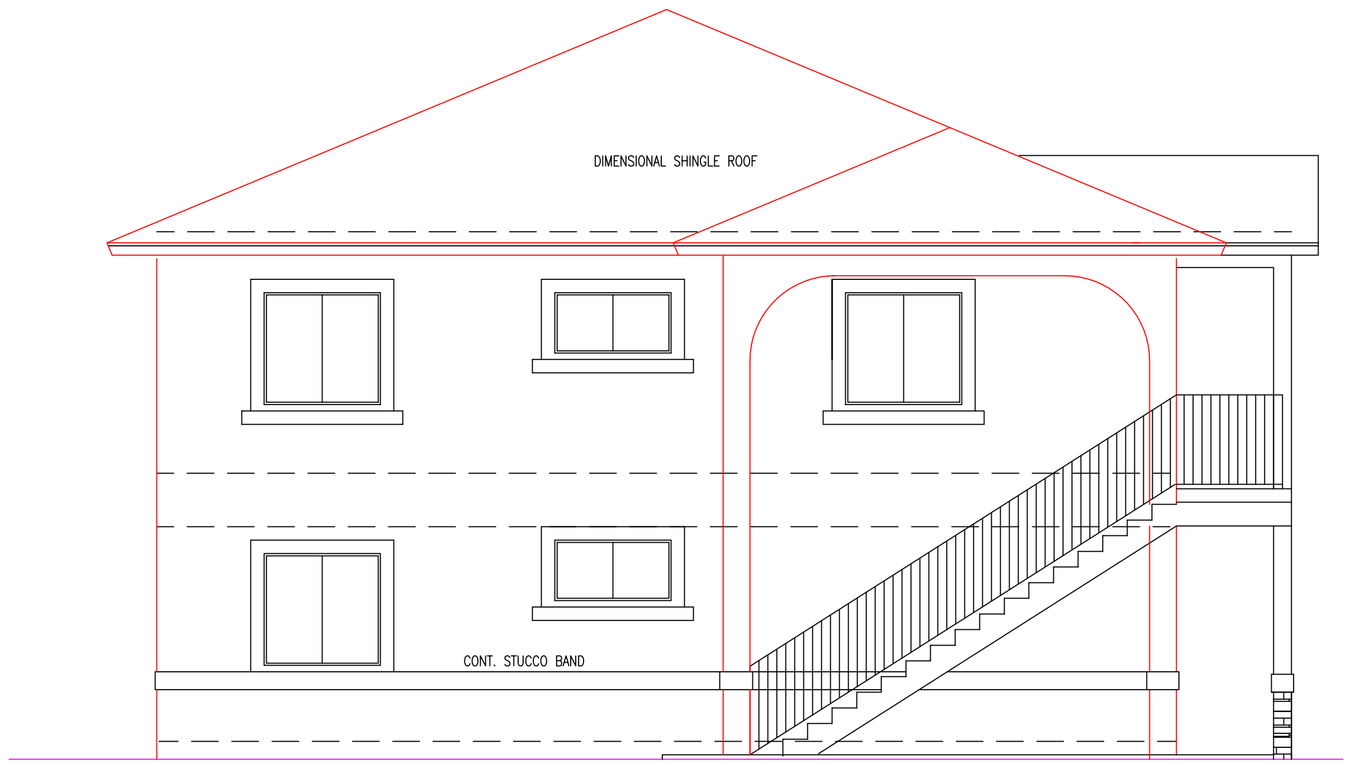
12 UNITS APARTMENTS

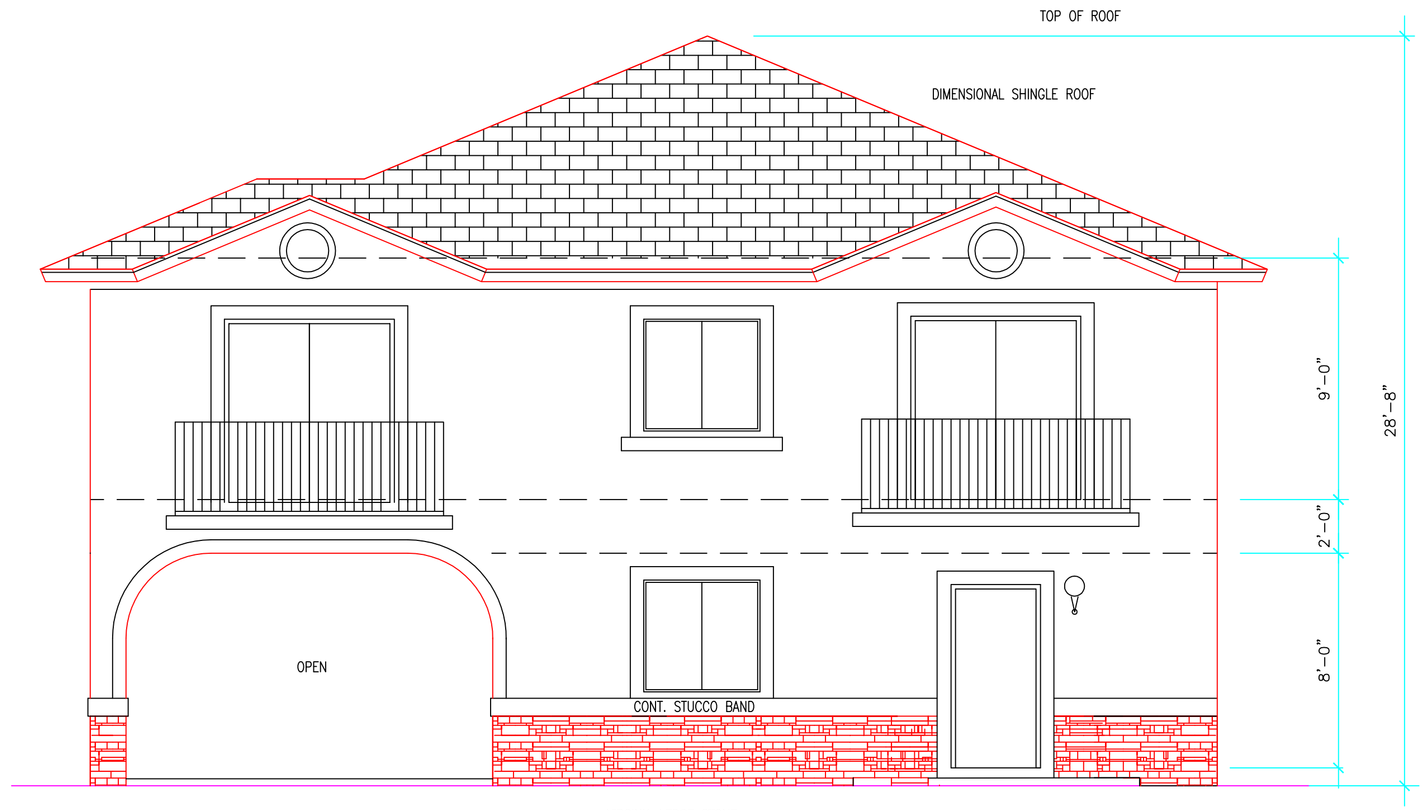
2324 JOHNSON STREET
HOLLYWOOD , FLORIDA

NO.	DATE	REVISION



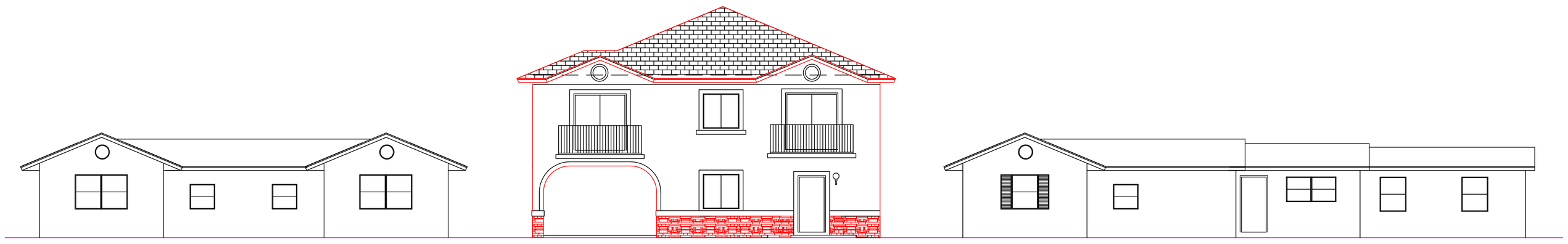
SOUTH ELEVATION

SCALE: 1/4"=1'-0" REAR



NORTH ELEVATION

SCALE: 1/4"=1'-0" FRONT



NORTH ELEVATION (STREET PROFILE)

SCALE: 1/8"=1'-0" FRONT

NO.	DATE	REVISION

12 UNITS APARTMENTS
2324 JOHNSON STREET
HOLLYWOOD , FLORIDA

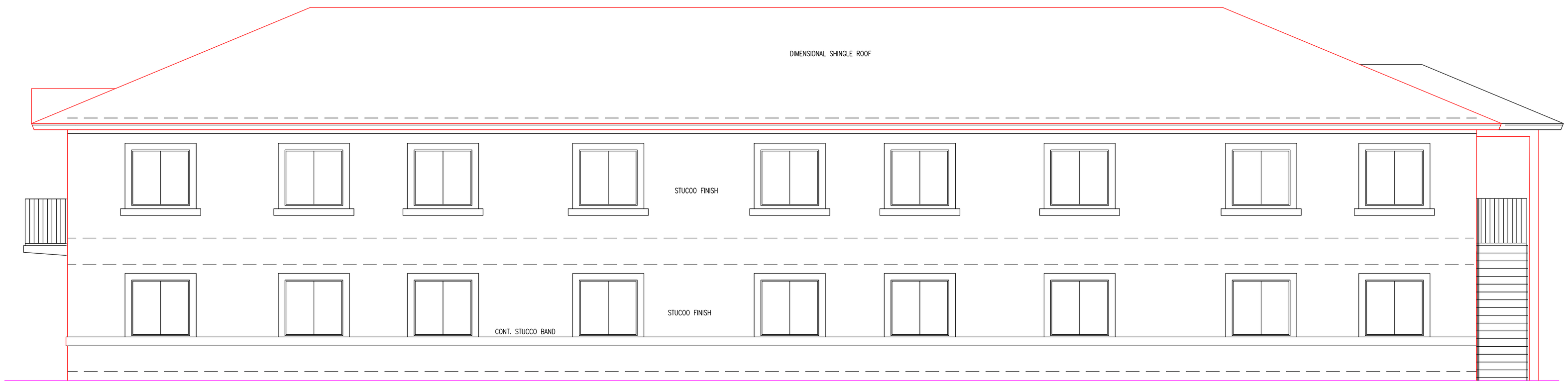
Miguel de Diego
ARCHITECT P.A.
AA-26001641
1657 TYLER STREET SUITE 107 HOLLYWOOD, FLORIDA 33020
PH. (954) 926-3358 FAX (954) 926-2021

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, NOTES AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK

CHECKED
DRAWN
DATE 3-9-2018
COMM. NO. 17-198

EAST ELEVATION

SCALE: 1/4"=1'-0" LEFT SIDE



WEST ELEVATION

SCALE: 1/4"=1'-0" RIGHT SIDE

NO.	DATE	REVISION

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2324 JOHNSON STREET
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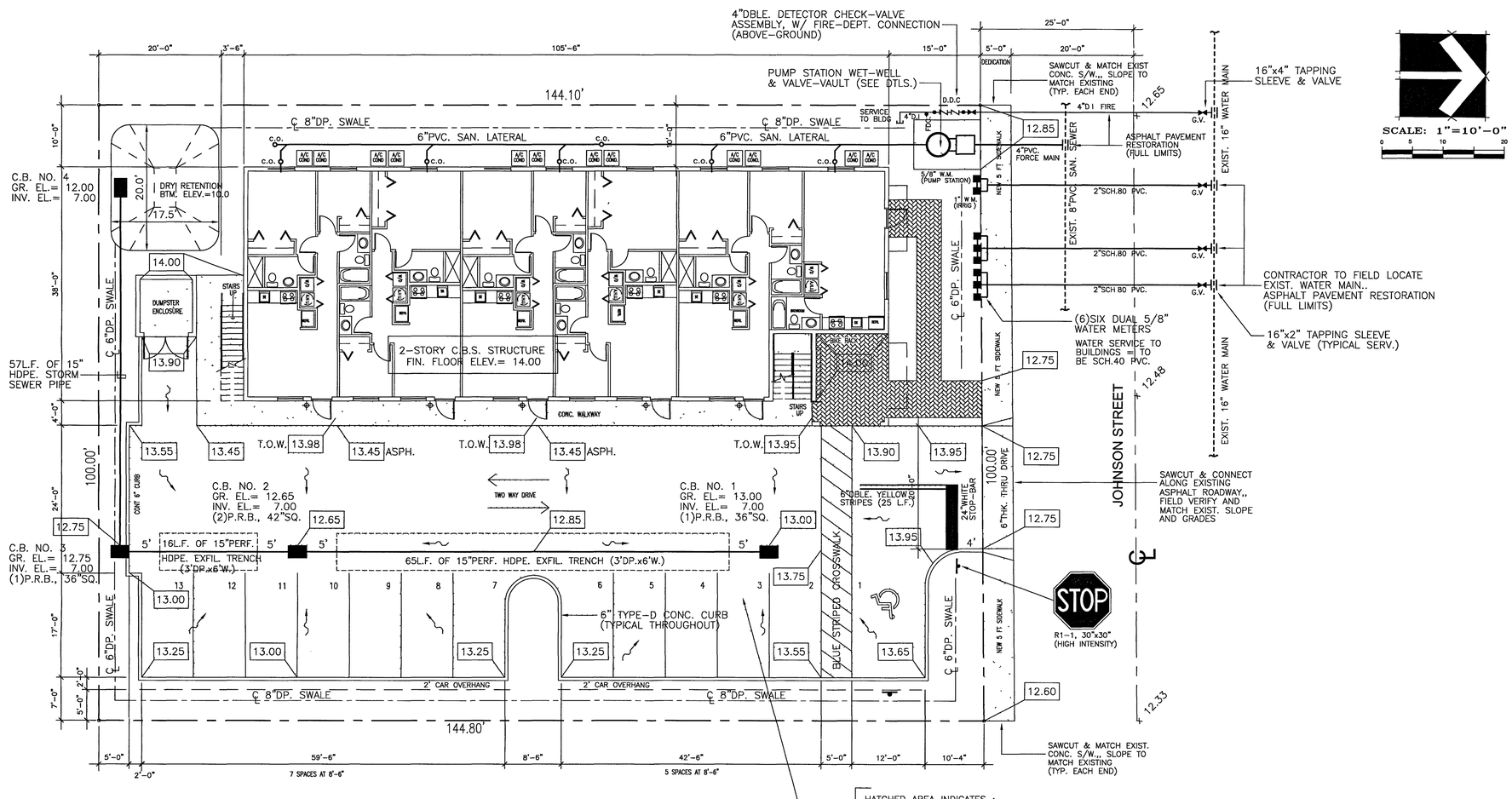
5/5



GENERAL CONDITION NOTES :

1. THE LOCATION OF EXISTING UTILITIES AND TOPOGRAPHY HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION.

2. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO NOTIFY THE FOLLOWING COMPANIES & AGENCIES AND ANY OTHERS SERVING THE AREA:

   FLORIDA POWER & LIGHT CO., CONSTRUCTION
   SOUTHERN BELL TELEPHONE & TEL. CO.
   CABLE CONSTRUCTION BUREAU
   LOCAL CITY / COUNTY ENGINEERING & UTILITY DEPARTMENTS
   FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), AS APPLICABLE
   UNDERGROUND UTILITIES NOIFICATION CENTER OF FLORIDA (S.U.N.S.H.I.N E)

PAVING, GRADING & DRAINAGE NOTES :

1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, HARDPAN, ORGANIC MATERIAL & OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M-145, FOUND WITHIN THE ROAD & PARKING LOT AREAS SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL, & REPLACED W/ THE SPECIFIED FILL MATERIAL IN MAXIMUM 12" LIFTS COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE W/ AASHTO T-99. THICKNESS OF LAYERS MAY BE INCREASED PROVIDED THE EQUIPMENT & METHODS USED ARE PROVEN BY FIELD DENSITY TESTING TO BE CAPABLE OF COMPACTING THICK LAYERS TO SPECIFIED DENSITIES.

2. ALL AREAS SHALL BE CLEARED & GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL & DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH & ALL OTHER OBSTRUCTION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXIST. GROUND TO A DEPTH OF 12". ITEMS DESIGNATED TO REMAIN OR TO BE RELOCATED OR ADJUSTED SHALL BE SO DESIGNATED ON THE DWGS.

3. FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3 OR A-2.4 IN ACCORDANCE W/ AASHTO M-145 & SHALL BE FREE FROM VEGETATION & ORGANIC MATERIAL. NOT MORE THAN 12% BY WEIGHT OF FILL MATERIAL SHALL PASS THE NO 200 SIEVE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENG. TEST RESULTS MUST INCLUDE BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE & LIME ROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONC CYLINDERS, ETC...

5. ALL INLETS & PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS & PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM TO BE CLEAN OF DEBRIS PRIOR TO FINAL ACCEPTANCE

6. WHERE NEW ASPHALT MEETS OR ABUTS EXIST. ASPHALT, THE EXIST. ASPHALT SHALL BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL ALSO BE SAWCUT TO PROVIDE A STRAIGHT EVEN LINE.

7. ALL PROPOSED GRADES (ELEVATIONS) REFER TO FINISHED GRADES (SEE PLAN DWG.)

8. SITE GRADING SHALL BE W/IN 0.1' OF THE REQUIRED ELEVATION & ALL AREAS SHALL BE GRADED TO DRAIN.

9. ALL SUBGRADE SHALL HAVE AN LBR OF 40 UNLESS OTHERWISE NOTED & SHALL BE COMPACTED TO 100% MAXIMUM DRY DENSITY PER AASHTO T-99.

10. ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 & HAVE NOT LESS THAN 60% OF CARBONATES OF CALCIUM & MAGNESIUM UNLESS OTHERWISE DESIGNATED. ALL LIMEROCK SHALL BE PRIMED.

11 CONCRETE & ASPHALT THICKNESS SHALL BE OF TYPE DESIGNATED ON DWGS. (SEE SECTIONS)

12. PLASTIC FILTER FABRIC SHALL BE MIRAFI, TYPAR OR EQUAL CONFORMING TO SECTION 985 OF THE FDOT STANDARD SPECIFICATIONS.

13. CONC. SIDEWALKS SHALL BE 4" THICK ON COMPACTED SUBGRADE. W/ 1/2" EXPANSION JOINTS PLACED AT A MAXIMUM OF 75' CRACK CONTROL JOINTS SHALL BE 5' ON CENTER. THE BACK OF SIDEWALK ELEVATION SHALL EQUAL THE CROWN OF ROADWAY, UNLESS SPECIFIED OTHERWISE BY LOCAL CODES OR INDICATED ON DWGS ALL CONC. SIDEWALKS THAT CROSS DRIVEWAYS SHALL BE 6" THICK.

14. PIPE SPECIFICATIONS : THE MATERIAL TYPE IS SHOWN ON THE DRAWINGS BY ONE OF THE FOLLOWING DESIGNATIONS –

    RCP = REINFORCED CONC. PIPE, ASTM DESIGNATION C-76, TABLE III
    CMP = CORRUGATED METAL (ALUM.) PIPE, ASTM DESIGNATION M-196
    CMP = (SMOOTH LINED) CORRUGATED METAL (ALUM.) PIPE, ASTM DESIGNATION M-196
    SCP = SLOTTED CONC. PIPE, FDOT SECTIONS 941 & 942
    PVC = POLYVINYLCHLORIDE PIPE
   PCMP = PERFORATED CMP, FDOT SECTION 945
    DIP = DUCTILE IRON PIPE
   HDPE = HIGH DENSITY POLYETHYLENE PIPE

15. ASPHALT –

    BITUMINOUS MATERIAL SHALL BE ASPHALT CEMENT, VISCOSITY GRADE AC-20, CONFORMING TO THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS, 1986 EDITION, SECTION 916-1.

    PRIME COAT SHALL BE CUT BACK ASPHALT, GRADE RC-70 OR RC-250 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-81-75 (1982). RATE – 0.10 GALS./S.Y. TACK COAT SHALL BE EMULSIFIED ASPHALT, GRADE RS-2 CONFORMING TO THE REQUIREMENTS SPECIFIED IN AASHTO DESIGNATION M-140-82. RATE – 0.02 TO 0.08 GALS/S.Y.

    DESIGN MIX SHALL CONFORM TO FDOT SECTION 331 UNLESS OTHERWISE SPECIFIED

PAVEMENT MARKING & SIGNING STANDARD NOTES :

1. PAVEMENT MARKINGS SHALL BE PAINTED, UNLESS SPECIFIED OTHERWISE

LEGEND :

- LIMITS OF CONC. SIDEWALKS, PORCHES & PADS
- LIMITS OF ASPH. PAVEMENT, LIMEROCK BASE & SUBGRADE
- EXIST. PROPERTY LINE, SITE BOUNDARY
- CENTERLINE
- EXIST. EDGE OF PAVEMENT
- x 9.10 EXIST. GRADE ELEVATION
- 10.40 PROPOSED ELEVATIONS
- SURFACE DRAINAGE FLOW ARROW

UTILITY NOTES :

1 CONTRACTOR TO VERIFY LOCATION & ELEVATIONS OF EXIST. UTILITIES PRIOR TO CONNECTIONS BEING MADE .

2. CONTRACTOR TO ADJUST ALL EXIST. MANHOLE FRAME & COVERS, CATCH BASIN FRAME & GRATES, CLEANOUTS, ETC.., TO FINISHED GRADE W/IN ASPHALT LIMITS.

ELEVATION NOTE =
ELEVATIONS AS SHOWN ARE BASED ON
NAVD. DATUM, 1988

SITE CALCULATIONS

SITE:	14,480.00 S.F. .33 ACRES	
BUILDING FOOTPRINT	4,053.00 S.F.	28.00 %
PARKING	5,490.00 S.F.	37.91 %
WALKS AND STAIRS	800.00 S.F.	5.52 %
LANDSCAPE	4,137.00 S.F.	28.58 %

LEGAL DESCRIPTION

LOT 13 LESS THE SOUTH 60 FEET THERE OF BLOCK 12
AMENDED PLAT OF "HOLLYWOOD LITHE RANCHES"
PLAT BOOK 1 PAGE 26 BROWARD COUNTY FLORIDA

4/16/18
CHARLES O. BUCKALEW, P.E.
FLORIDA REG. NO. 24842

REVISIONS :

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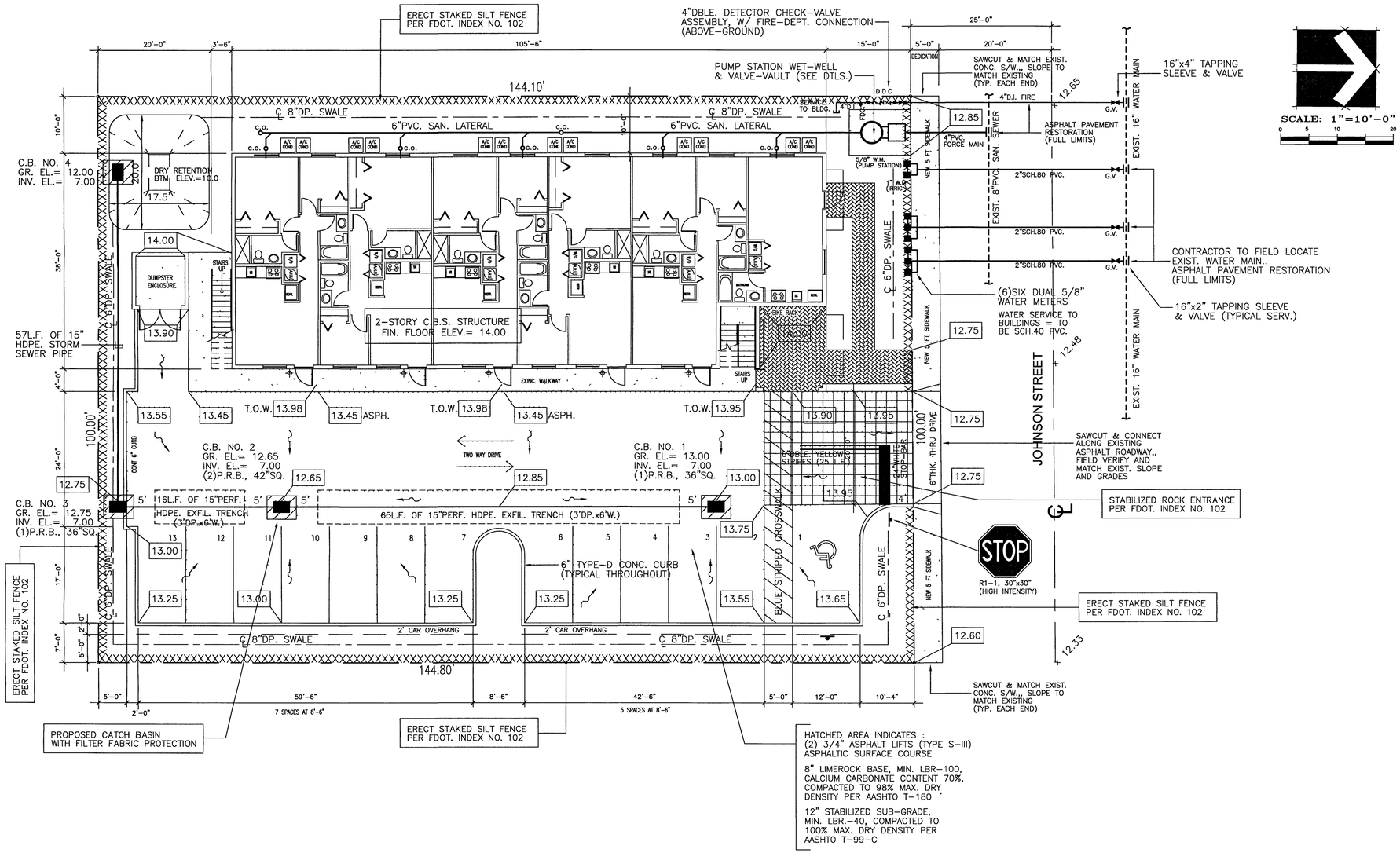
801 South Ocean Drive, Suite 201
Hollywood , Florida 33019
C.O.A. Number: 6255
Tele. : (954) 927-0561 / 558-1189

PROJECT :
12 UNIT APARTMENTS
2324 JOHNSON STREET
FOLIO NO. :: 5142-16-01-4610, HOLLYWOOD FLORIDA 33020

DRWG. TITLE :
PAVING , GRADING
& DRAINAGE PLAN
WATER - SEWER PLAN

DATE: APRIL, 2018
SCALE: 1"=10'-0"
DWG. BY: C.R.W.
CHK'D. BY: C.O.B.
JOB NO.: 18-083
SHEET NO.
C-1



SYMBOL LEGEND ::

XXXXXXXXXXXXX	PERIMETER STAKED SILT FENCE PER FDOT INDEX NO. 102
	TYPICAL PROPOSED CATCH BASIN WITH FILTER FABRIC (SEE NOTE 3)
	TYPICAL STABILIZED ROCK ENTRY DRIVE PER FDOT INDEX NO. 102

SEDIMENT & EROSION CONTROL NOTES ::

1. CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN FLORIDA (HEREAFTER REFERRED TO AS FL. GUIDELINES)
2. MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION SHALL BE MADE OF ALL INSTALLED EROSION CONTROL MEASURES AND REPAIRS SHALL BE CONDUCTED TO ENSURE THEIR CONTINUING FUNCTION AS DESIGNED.
3. CATCH BASIN, INLETS AND STORM SEWER MANHOLES, STRUCTURES WITHIN THE SITE WILL BE PROTECTED DURING FILLING OPERATIONS FROM SEDIMENT RUNOFF AND DEBRIS BY PLACING A FILTER FABRIC MATERIAL IN THE FRAME AND GRATE/MANHOLE COVER. PREVENTIVE METHODS MUST BE UTILIZED AROUNF THESE STRUCTURES,. DURING FILLING OPERATIONS,. BY GRADING TO DRAIN AWAY FROM STRUCTURES AND ANY OTHER METHODS APPROVED BY THE COUNTY/MUNICIPAL ENGINEER OR DESIGN ENGINEER OF RECORD.

LEGEND :

	LIMITS OF CONC. SIDEWALKS, PORCHES & PADS
	LIMITS OF ASPH. PAVEMENT, LIMEROCK BASE & SUBGRADE
	EXIST. PROPERTY LINE, SITE BOUNDARY
	CENTERLINE
	EXIST. EDGE OF PAVEMENT
x 9.10	EXIST. GRADE ELEVATION
10.40	PROPOSED ELEVATIONS
	SURFACE DRAINAGE FLOW ARROW

UTILITY NOTES :

1. CONTRACTOR TO VERIFY LOCATION & ELEVATIONS OF EXIST. UTILITIES PRIOR TO CONNECTIONS BEING MADE .
2. CONTRACTOR TO ADJUST ALL EXIST. MANHOLE FRAME & COVERS, CATCH BASIN FRAME & GRATES, CLEANOUTS, ETC ., TO FINISHED GRADE W/IN ASPHALT LIMITS.

ELEVATION NOTE "
ELEVATIONS AS SHOWN ARE BASED ON NAVD. DATUM, 1988

SITE CALCULATIONS

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LEGAL DESCRIPTION

LOT 13 LESS THE SOUTH 60 FEET THERE OF BLOCK 12 AMENDED PLAT OF "HOLLYWOOD LITHE RANCHES" PLAT BOOK 1 PAGE 26 BROWARD COUNTY FLORIDA

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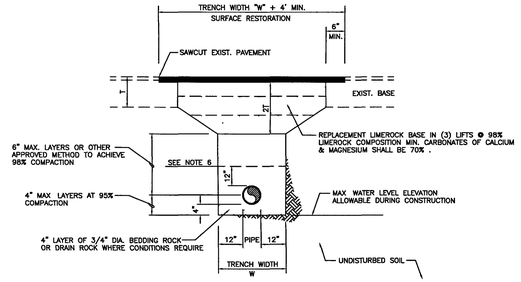
PROJECT :
12 UNIT APARTMENTS
2324 JOHNSON STREET
FOLIO NO. :: 5142-16-01-4610, HOLLYWOOD FLORIDA 33020

DRWG. TITLE :
EROSION CONTROL PLAN

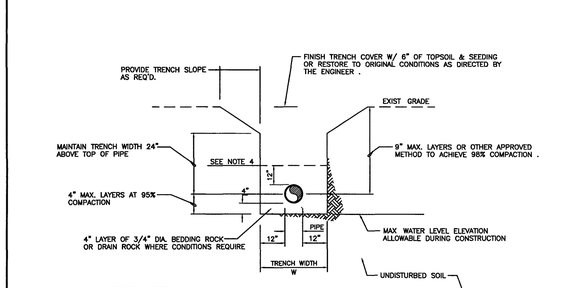
DATE: APRIL, 2018
SCALE: 1"=10'-0"
DWG. BY: C.R.W.
CHK'D. BY: C.O.B.
JOB NO.: 18-083
SHEET NO.
C-2



GENERAL NOTES :

1. WHERE SOIL CONDITIONS CAN NOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED METHOD OF CONSTRUCTION .
2. SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD
3. NEW SURFACING MATERIALS SHALL BE CONSISTENT W/ EXIST. & SHALL HAVE BUTT JOINTS (2" MIN. THK.) .
4. COMPACTION PERCENTAGES SHOWN REFER TO AASHTO T-180 .
5. ALL ROADWAY RESTORATION SHALL COMPLY W/ THE RESPECTIVE GOVERNING AUTHORITY HAVING JURISDICTION .
6. MECHANICAL COMPACTION NOT ALLOWED BELOW THIS LEVEL (SEE DETAIL) .
7. DENSITY TESTS – MIN. 2 PER SUB-BASE, MIN. 2 PER LIMEROCK, PER CUT . CITY ENGINEERING DEPT. RECIEVES 2 COPIES OF RESULTS .

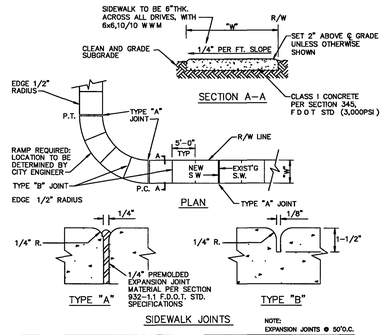
ASPHALT RESTORATION DETAIL



GENERAL NOTES :

1. WHERE SOIL CONDITIONS CAN NOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED METHOD OF CONSTRUCTION .
2. SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD .
3. COMPACTION PERCENTAGES SHOWN REFER TO AASHTO T-180 .
4. MECHANICAL COMPACTION NOT ALLOWED BELOW THIS LEVEL (SEE DETAIL) .
5. PVC PIPE TO HAVE ROCK BACKFILL TO CENTERLINE OF PIPE (SEE DETAIL) .

STANDARD TRENCH DETAIL



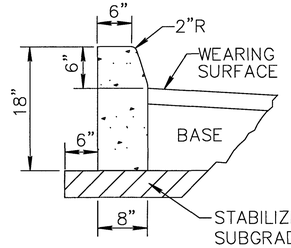
SIDEWALK JOINTS

NOTE: EXPANSION JOINTS @ 50'O.C.

TABLE OF SIDEWALK THICKNESS – "T"	
RESIDENTIAL AREAS	4"
WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	6"
TABLE OF SIDEWALK WIDTHS – "W"	
SINGLE-FAMILY AREAS	5'
MULTI-FAMILY AREAS	5'
OTHER AREAS AS SPECIFIED BY THE CITY ENGINEER.	

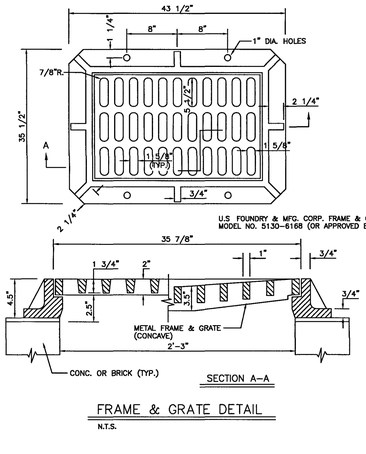
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P C AND P.T. OF CURVES JUNCTION OF EXISTING & NEW SIDEWALKS & EVERY 30'
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS SCORED DURING PLACEMENT OR SAWCUT WITHIN 24 HOURS OF PLACEMENT.
"A"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.

SIDEWALK DETAIL



F.D.O.T. TYPE "D"

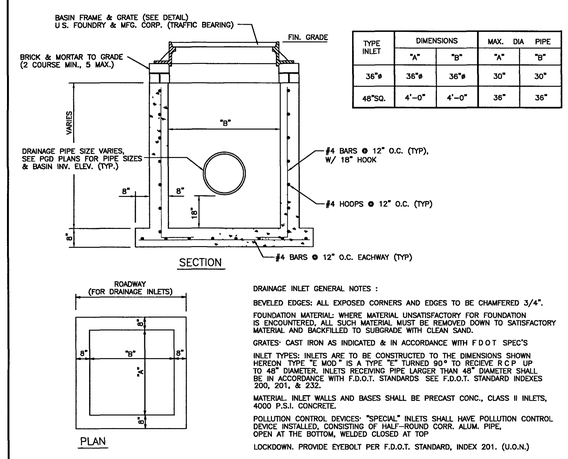
CONC. CURB DETAIL



FRAME & GRATE DETAIL

N.T.S.

FRAME / GRATE DETAIL



TYPE INLET	DIMENSIONS		MAX. DIA PIPE	
	"A"	"B"	"A"	"B"
36"ø	36"ø	36"ø	30"	30"
48"SQ.	4'-0"	4'-0"	36"	36"

DRAINAGE INLET GENERAL NOTES :

BEVELED EDGES: ALL EXPOSED CORNERS AND EDGES TO BE CHAMFERED 3/4".

FOUNDATION MATERIAL: WHERE MATERIAL UNSATISFACTORY FOR FOUNDATION IS ENCOUNTERED, ALL SUCH MATERIAL MUST BE REMOVED DOWN TO SATISFACTORY MATERIAL AND BACKFILLED TO SUBGRADE WITH CLEAN SAND.

GRATES: CAST IRON AS INDICATED & IN ACCORDANCE WITH F D O T SPEC'S

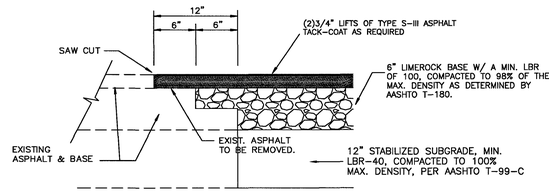
INLET TYPES: INLETS ARE TO BE CONSTRUCTED TO THE DIMENSIONS SHOWN HEREIN TYPE 'E' MOD " IS A TYPE 'E' TURNED 90° TO RECEIVE R C P UP TO 48" DIAMETER. INLETS RECEIVING PIPE LARGER THAN 48" DIAMETER SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARDS SEE F.D.O.T. STANDARD INDEXES 200, 201, & 232.

MATERIAL: INLET WALLS AND BASES SHALL BE PRECAST CONC., CLASS II INLETS, 4000 P.S.I. CONCRETE.

POLLUTION CONTROL DEVICES: "SPECIAL" INLETS SHALL HAVE POLLUTION CONTROL DEVICE INSTALLED, CONSISTING OF HALF-ROUND CORR. ALUM. PIPE, OPEN AT THE BOTTOM, WELDED CLOSED AT TOP

LOCKDOWN. PROVIDE EYEBOLT PER F.D.O.T. STANDARD, INDEX 201. (U.O.N.)

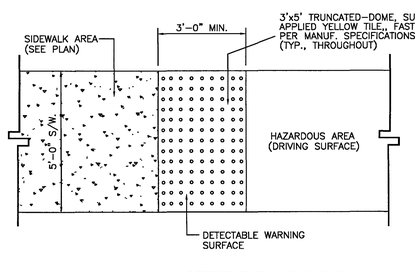
CATCH BASIN DETAIL



NOTE:

THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT AND BASE WILL BE CONNECTED TO EXISTING PAVEMENT AND BASE.

ASPHALT CONNECTION DETAIL



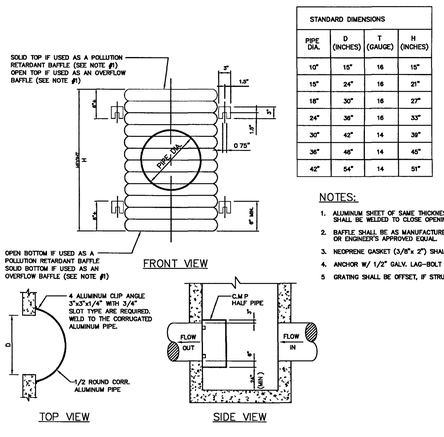
DETECTABLE WARNING SURFACE

SCALE: N.T.S.

GENERAL NOTES :

1. IF A WALKWAY CROSSES OR ADJOINS A VEHICULAR WAY (DRIVING SURFACE) AND THE WALKING SURFACES ARE NOT SEPERATED BY CURBS, RAILING AND/OR OTHER ELEMENTS, BETWEEN THE PEDESTRIAN AREAS AND THE VEHICULAR AREAS, THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS "DETECTABLE WARNING" WHICH IS MIN. 3'–0" WIDE. (AS PER F.A.C. 4.29.5)
2. "DETECTABLE WARNING", ON EXTERIOR WALKING SURFACES SHALL BE 3'x5' TRUNCATED-DOME SURFACE APPLIED YELLOW TILE (UNLESS INDICATED OTHERWISE)

DETECTABLE WARNING DETAIL

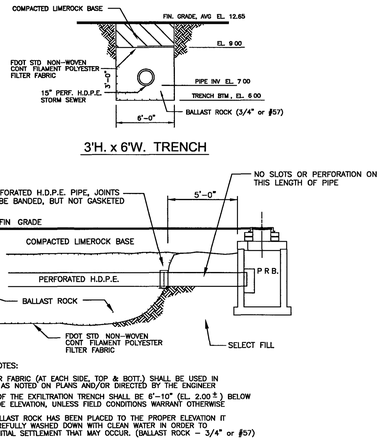


STANDARD DIMENSIONS			
PIPE DIA.	D (INCHES)	T (GAUGE)	H (INCHES)
10"	15"	16	15"
15"	24"	16	21"
18"	30"	16	27"
24"	36"	16	33"
30"	42"	14	39"
36"	48"	14	45"
42"	54"	14	51"

NOTES:

1. ALUMINUM SHEET OF SAME THICKNESS (GAGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING.
2. BAFFLE SHALL BE AS MANUFACTURED BY SOUTHERN CULVERT OR ENGINEER'S APPROVED EQUAL.
3. NEOPRENE GASKET (3/8"x 2") SHALL BE INSTALLED AT ALL BAFFLES.
4. ANCHOR W/ 1/2" GALV. LAG-BOLT IN LEAD SHIELD (TYP.)
5. GRATING SHALL BE OFFSET, IF STRUCTURE IS USED AS OVERFLOW

POLLUTION RETARDANT BAFFLE



EXFILTRATION NOTES:

1. PLASTIC FILTER FABRIC (AT EACH SIDE, TOP & BOTT.) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR DIRECTED BY THE ENGINEER
2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 6'–10" (EL. 2.00 ±) BELOW FINISHED GRADE ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE
3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. (BALLAST ROCK – 3/4" or #57)

EXFILTRATION TRENCH DETAIL

4/16/18

CHARLES O. BUCKALEW, P.E.
FLORIDA REG. NO. 24842

REVISIONS :

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801 South Ocean Drive, Suite 201
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PROJECT :

12 UNIT APARTMENTS
2324 JOHNSON STREET
FOLIO NO. :: 5142-16-01-4610, HOLLYWOOD FLORIDA 33020

DRWG. TITLE :

CONSTRUCTION DETAILS

DATE: APRIL, 2018
SCALE: AS NOTED
DWG. BY: C.R.W.
CHK'D. BY: C.O.B.
JOB NO.: 18-083
SHEET NO.
C-3

WATER NOTES:

1 NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE

2 NEW OR RELOCATED UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE [FAC 62-555 314(2), EXCEPTIONS ALLOWED UNDER FAC 62-555 314(5)]

3 AT ALL UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE WILL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE, OR THE PIPES WILL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. [FAC 62-555 314(2), EXCEPTIONS ALLOWED UNDER FAC 62-555 314(5)]

4 NEW UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT TO BE DUCTILE IRON PIPE (D I.P) WHEN CROSSING BELOW SANITARY SEWER MAINS

5 POLYETHYLENE ENCASEMENT MATERIAL SHALL BE USED TO ENCASE ALL BURIED DUCTILE IRON PIPE, FITTINGS, VALVES, RODS, AND APPURTENANCES IN ACCORDANCE WITH AWWA C105, METHOD A THE POLYETHYLENE TUBING SHALL BE CUT TWO FEET LONGER THAN THE PIPE SECTION AND SHALL OVERLAP THE ENDS OF THE PIPE BY ONE FOOT THE POLYETHYLENE TUBING SHALL BE GATHERED AND LAPPED TO PROVIDE A SNUG FIT AND SHALL BE SECURED AT QUARTER POINTS WITH POLYETHYLENE TAPE EACH END OF THE POLYETHYLENE TUBING SHALL BE SECURED WITH A WRAP OF POLYETHYLENE TAPE

6. THE POLYETHYLENE TUBING SHALL PREVENT CONTACT BETWEEN THE PIPE AND BEDDING MATERIAL, BUT IS NOT INTENDED TO BE A COMPLETELY AIRTIGHT AND WATERTIGHT ENCLOSURE DAMAGED POLYETHYLENE TUBING SHALL BE REPAIRED IN A WORKMANLIKE MANNER USING POLYETHYLENE TAPE, OR THE DAMAGED SECTION SHALL BE REPLACED POLY WRAP WILL NOT BE PAID FOR AS A SEPARATE BID ITEM IT SHALL BE CONSIDERED TO BE A PART OF THE PRICE BID FOR WATER MAINS.

7. FIRE HYDRANT BARRELS SHALL BE ENCASED IN POLY WRAP UP TO THE GROUND SURFACE AND THE WEEP HOLES SHALL NOT BE COVERED BY THE POLY WRAP

8 GATE VALVES FOR USE WITH PIPE LESS THAN THREE INCHES (3") IN DIAMETER SHALL BE RATED FOR TWO HUNDRED (200) PSI WORKING PRESSURE, NON-SHOCK, BLOCK PATTERN, SCREWED BONNET, NON-RISING STEM, BRASS BODY, AND SOLID WEDGE THEY SHALL BE STANDARD THREADED FOR PVC PIPE AND HAVE A MALLEABLE IRON HANDWHEEL. GATE VALVES LESS THAN THREE INCHES (3") IN DIAMETER SHALL BE NIBCO-SCOTT T-113 LF WITH NO SUBSTITUTIONS ALLOWED LARGE GATE VALVES OVER 3" THRU 16" IN DIAMETER, MUST BE RESILIENT SEAT AND BIDIRECTIONAL FLOW ONLY MANUFACTURERS MUELLER, AMERICAN DARLING, AVK, OR CITY APPROVED EQUAL. VALVES FOR SPECIAL APPLICATION WILL REQUIRE CITY UTILITY APPROVAL.

ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED 06/08/2014
DRAWN EAM	WATER SYSTEM NOTES	DRAWING NO W-01
APPROVED XXX		

WATER NOTES CONTINUED:

9 VALVE BOXES AND COVERS FOR ALL SIZE VALVES SHALL BE OF CAST IRON CONSTRUCTION AND ADJUSTABLE SCREW-ON TYPE THE LID SHALL HAVE CAST IN THE METAL THE WORD "WATER" FOR THE WATER LINES ALL VALVE BOXES SHALL BE SIX INCH (6") NOMINAL DIAMETER AND SHALL BE SUITABLE FOR DEPTHS OF THE PARTICULAR VALVE THE STEM OF THE BURIED VALVE SHALL BE WITHIN TWENTY-FOUR INCHES (24") OF THE FINISHED GRADE UNLESS OTHERWISE APPROVED BY THE CITY VALVE BOXES SHALL BE TYLER BRAND, NO SUBSTITUTES.

10 FIRE HYDRANTS PRESENTLY CITY OF HOLLYWOOD UTILITIES SPECIFICATIONS ALLOW ONLY MANUFACTURERS MUELLER MODEL SUPER CENTURION 200 5½" SIZE REFERENCE CATALOG NO A-423 AND AMERICAN DARLING MODEL B-84-B 5½" SIZE ANY DEVIATION FROM REQUIRED SPECIFICATIONS WILL REQUIRE CITY OF HOLLYWOOD UTILITIES APPROVAL.

11 ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555 320 F A C.

12 ALL PVC PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C900 LATEST REVISION AND CLASS DR 18 ALL DIP WATER MAINS SHALL BE DUCTILE IRON PRESSURE CLASS 350, WITH WALL THICKNESS COMPLYING WITH CLASS 52 ALL DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C151/A21 51-02 AND BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C104/A21 4-03

13. FITTINGS SHALL BE DUCTILE IRON, MEETING ANSI/AWWA C153/A21 53-00 SPECIFICATIONS, WITH 350 PSI MINIMUM WORKING PRESSURE FITTINGS MUST BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C104/A21 4-03 ALL DUCTILE IRON PIPE AND FITTINGS MUST BE MANUFACTURED IN THE UNITED STATES OF AMERICA.

14 ALL DUCTILE IRON PIPE TO BE MECHANICAL JOINTS, WRAPPED IN POLY ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY DESIGN

15 GATE VALVES 4" AND LARGER SHALL BE RESILIENT SEAT AND SHALL MEET ANSI/AWWA C-509-01 SPECIFICATIONS, LATEST REVISION. VALVES MUST BE MUELLER (O A.E) VALVE BOXES SHALL BE TYLER UNION, CONTROL/GATE VALVES 3" AND SMALLER SHALL BE NIBCO T-133 LF NO SUBSTITUTIONS

16. PAVEMENT RESTORATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY

17 ALL TRENCHING, PIPE LAYING, BACKFILL, PRESSURE TESTING, AND DISINFECTING MUST COMPLY WITH THE CITY OF HOLLYWOOD SPECIFICATIONS

18 THE MINIMUM DEPTH OF COVER OVER WATER MAINS IS 30" (DIP) OR 36" (PVC)

19 MINIMUM CLEARANCE BETWEEN STORM STRUCTURES AND WATER MAINS SHALL BE 2', AND MAXIMUM DEFLECTION PER EACH JOINT SHALL BE 50% OF MANUFACTURES RECOMMENDATION (MAXIMUM) WHERE DEFLECTION IS REQUIRED

20 TAPPING SLEEVES SHALL BE MUELLER H-615 (O.A.E) TAPPING VALVES 4" AND LARGER SHALL BE RESILIENT WEDGE TYPE MEETING ANSI/AWWA C509-01 ALL TAPPING VALVES SHALL HAVE A CAST-IN ALIGNMENT RING AND BE CAPABLE OF ACCEPTING A FULL-SIZE CUTTER

21 CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING CONFLICTS WITH WATER MAINS PLACED AT MINIMUM COVER IN CASE OF CONFLICT, WATER MAIN SHALL BE LOWERED TO PASS UNDER CONFLICTS WITH 18" MINIMUM SEPARATION NO ADDITIONAL PAYMENT SHALL BE DUE TO CONTRACTOR FOR LOWERING THE MAIN OR THE ADDITIONAL FITTINGS USED THEREON

ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED 06/08/2014
DRAWN EAM	WATER NOTES	DRAWING NO W-01.1
APPROVED XXX		

WATER NOTES CONTINUED:

22 PIPE JOINT RESTRAINT SHALL BE PROVIDED BY THE USE OF DUCTILE IRON FOLLOWER GLANDS MANUFACTURED TO ASTM A 536-80 TWIST-OFF NUTS SHALL BE USED TO ENSURE PROPER ACTUATING OF THE RESTRAINING DEVICES. THE MECHANICAL JOINT RESTRAINING DEVICES SHALL HAVE A WORKING PRESSURE OF 250 PSI MINIMUM, WITH A MINIMUM SAFETY FACTOR OF 2 1, AND SHALL BE EBAA IRON INC., MEGALUG OR APPROVED EQUAL. JOINT RESTRAINTS SHALL BE PROVIDED AT A MINIMUM OF THREE JOINTS (60 FEET) FROM ANY FITTING

23. WHENEVER IT IS NECESSARY, IN THE INTEREST OF SAFETY, TO BRACE THE SIDES OF A TRENCH, THE CONTRACTOR SHALL FURNISH, PUT IN PLACE AND MAINTAIN SUCH SHEETING OR BRACING AS MAY BE NECESSARY TO SUPPORT THE SIDES OF THE EXCAVATION TO ENSURE PERSONNEL SAFETY, AND TO PREVENT MOVEMENT WHICH CAN IN ANY WAY DAMAGE THE WORK OR ENDANGER ADJACENT STRUCTURES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SEQUENCE, METHODS AND MEANS OF CONSTRUCTION, AND FOR THE IMPLEMENTATION OF ALL OSHA AND OTHER SAFETY REQUIREMENTS.

ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED 06/08/2014
DRAWN EAM	WATER NOTES	DRAWING NO W-02
APPROVED XXX		

WATER METER SERVICE NOTES:

1 SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED NOT LESS THAN 18" ON CENTER

2 P E TUBING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C901, "POLYETHYLENE (PE) PRESSURE PIPE AND TUBING, 1/2 IN (13mm) THROUGH 3 IN. (76 mm), FOR WATER SERVICE"

3. SERVICE PIPE SHALL BE THE SAME SIZE AS THE WATER METER EXCEPT THAT NO SERVICE PIPE SHALL BE SMALLER THAN 1" DIAMETER.

4. SERVICE PIPE CROSSING UNDER THE ENTIRE WIDTH OF A ROADWAY PAVEMENT MUST BE 2" MINIMUM UNLESS OTHERWISE DIRECTED BY THE CITY

5 THE 3" CASING UNDER THE ROAD IS TO BE USED ONLY WHEN THE WATER MAIN RUNS WITHIN THE SWALE ON THE OPPOSITE SIDE OF THE ROAD FROM THE METER SERVICE ALL CASING PIPE SHALL EXTEND A MINIMUM OF 2' BEYOND THE EDGE OF PAVED STREETS

6 APPROVED TYPE COPPER TUBING MAY BE USED AT THE CITY'S DISCRETION

7 FOR NEW METER INSTALLATIONS, ALL SADDLES, VALVES, PIPING, FITTINGS,CURB STOPS, METER VALVES, METER COUPLINGS, METER VAULTS AND COVERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR

8 THE WATER METERS WILL BE PROVIDED BY THE CITY OF HOLLYWOOD AND INSTALLED BY THE CONTRACTOR

9 FOR METER RELOCATIONS, ALL SADDLES, VALVES, PIPING, FITTINGS, CURB STOPS, METER VALVES, METER COUPLINGS, METER VAULTS AND COVERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR

10 THE EXISTING WATER METER TO BE RELOCATED AND INSTALLED BY CONTRACTOR

11 FOR EXISTING METERS ABUTTING THE RIGHT-OF-WAY THAT ARE BEING DISCONNECTED FROM EXISTING MAINS AND RECONNECTED TO NEW MAINS, THE CONTRACTOR SHALL·

a CUT AND PLUG THE EXISTING SERVICE LINE AT THE MAIN AND AT THE METER, AND REMOVE THE EXISTING BALL VALVE CURB STOP

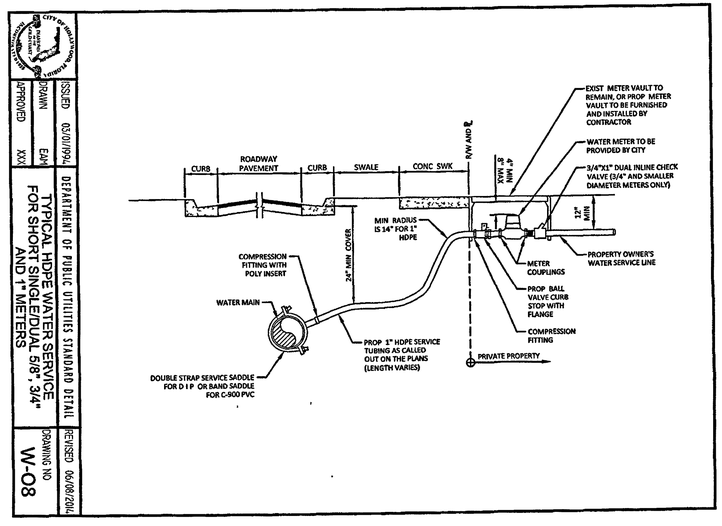
b FURNISH AND INSTALL SERVICE SADDLE, CORPORATION STOP OR SERVICE VALVE AND VALVE BOX, PIPING AND FITTINGS UP TO AND INCLUDING THE BALL VALVE CURB STOP

12. THE ELEVATION AT THE TOP OF THE METER BOX SHALL MATCH THE ELEVATION OF THE BACK OF SIDEWALK.

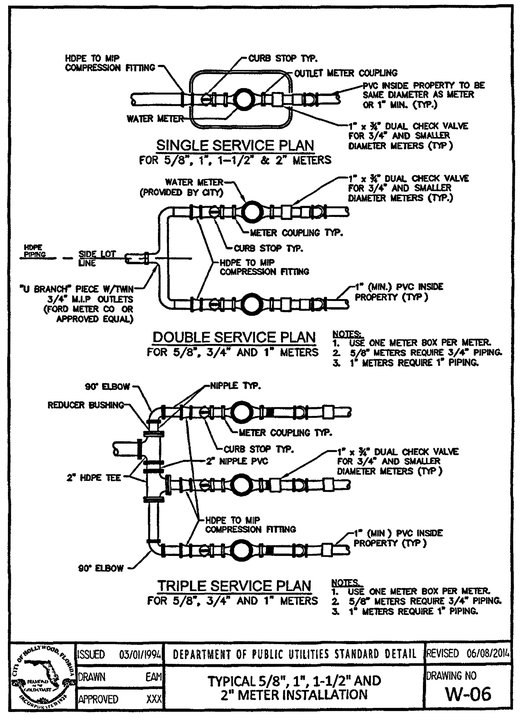
13 AS PART OF THE SERVICE INSTALLATION, THE CONTRACTOR SHALL RESTORE THE RIGHT-OF-WAY TO MATCH EXISTING CONDITIONS, INCLUDING ROADWAY PAVEMENT, PAVEMENT MARKINGS AND RPMs, CONCRETE CURBS, SIDEWALKS, RAMPS (INCLUDING DETECTABLE WARNING SURFACE), SODDING, AND ALL OTHER IMPROVEMENTS REMOVED OR DAMAGED DURING THE SERVICE INSTALLATION

14 FOR UNPAVED AREAS, THE MINIMUM GROUND COVER ACCEPTED BY THE CITY IS SODDING

ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED 06/08/2014
DRAWN EAM	WATER METER SERVICE NOTES FOR 5/8" THROUGH 2" METERS	DRAWING NO W-07
APPROVED XXX		



ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED 06/08/2014
DRAWN EAM	TYPICAL HDPE WATER SERVICE FOR SHORT SINGLE/DUAL 5/8", 3/4" AND 1" METERS	DRAWING NO W-08
APPROVED XXX		



ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED 06/08/2014
DRAWN EAM	TYPICAL 5/8", 1", 1-1/2" AND 2" METER INSTALLATION	DRAWING NO W-06
APPROVED XXX		

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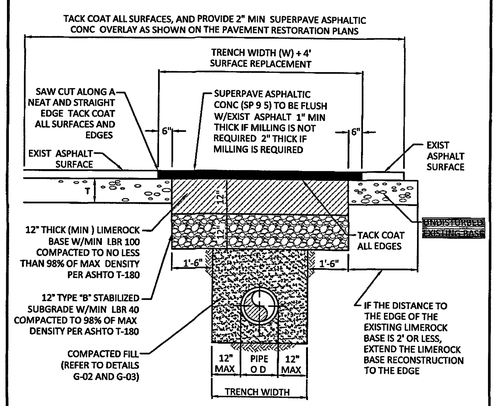
PROJECT · 12 UNIT APARTMENTS
2324 JOHNSON STREET
FOLIO NO 5142-16-01-4610, HOLLYWOOD FLORIDA 33020

DRWG. TITLE : CONSTRUCTION DETAILS

DATE· MARCH, 2016
SCALE. AS NOTED
DWG. BY· C R W.
CHK'D. BY. C.O.B.
JOB NO.: 16-232
SHEET NO.
C-4



ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL		REVISED 06/08/2014
DRAWN EAM	FLEXIBLE PAVEMENT RESTORATION FOR TRENCHES CUT PERPENDICULAR AND PARALLEL TO THE ROADWAY		DRAWING NO G-12.1
APPROVED XXX			

FLEXIBLE PAVEMENT RESTORATION NOTES:

1 THE ABOVE DETAILS APPLY ONLY TO ASPHALT PAVEMENT RESTORATION OVER UTILITY TRENCHES CUT WITHIN CITY OF HOLLYWOOD RIGHTS-OF-WAY FOR PAVEMENT RESTORATION WITHIN BROWARD COUNTY OR FDOT RIGHTS-OF-WAY REFER TO THE CORRESPONDING DETAILS FOR THOSE AGENCIES

2 LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM L B R OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% REPLACED BASE MATERIAL OVER TRENCH SHALL BE A MINIMUM OF 12" THICK"

3 LIMEROCK BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) THICKNESS LAYERS WITH EACH LAYER THOROUGHLY ROLLED OR TAMPED AND COMPACTED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180, PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS

4 STABILIZED SUBGRADE MATERIAL SHALL BE GRANULAR AND SHALL HAVE A MINIMUM L B R OF 40

5 BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE PIPE LAYING CONDITION TYPICAL SECTIONS IN DETAILS G-02 AND G-03, AND THE SPECIFICATIONS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY

6 ALL EDGES AND JOINTS OF EXISTING ASPHALT PAVEMENT SHALL BE SAW CUT TO STRAIGHT LINES, PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING

7 RESURFACING MATERIAL SHALL BE FDOT SUPERPAVE, AND SHALL BE APPLIED A MINIMUM OF TWO INCH IN THICKNESS

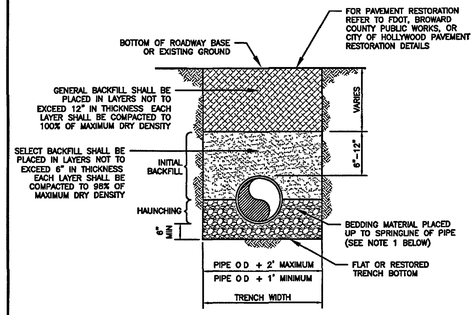
8 SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED FOR A SMOOTH, FLUSH TRANSITION TO EXISTING PAVEMENT

9 IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL REPLACED WITH A PERMANENT PATCH

10 REFER TO SPECIFICATIONS FOR DETAILED PROCEDURES

11 WHERE THE UTILITY TRENCH CROSSES EXISTING ASPHALT DRIVEWAYS, THE LIMEROCK BASE THICKNESS MAY BE A MINIMUM OF 6 INCHES THICK REGARDLESS OF THE EXTENT OF IMPACT, THE ENTIRE DRIVEWAY SURFACE BETWEEN THE EDGE OF THE ROADWAY PAVEMENT AND PROPERTY LINE OR FRONT OF SIDEWALK SHALL BE OVERLAID USING 2-INCH THICK MINIMUM ASPHALTIC CONCRETE SURFACE COURSE WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY/ENGINEER

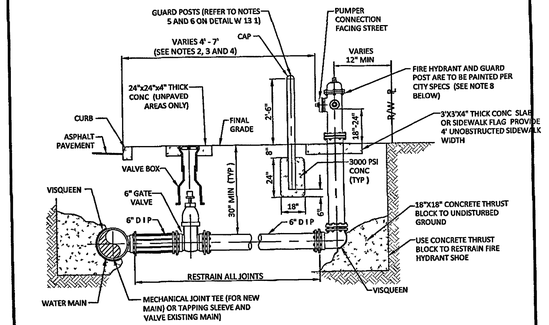
ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL		REVISED 06/08/2014
DRAWN EAM	FLEXIBLE PAVEMENT RESTORATION NOTES		DRAWING NO G-12
APPROVED XXX			



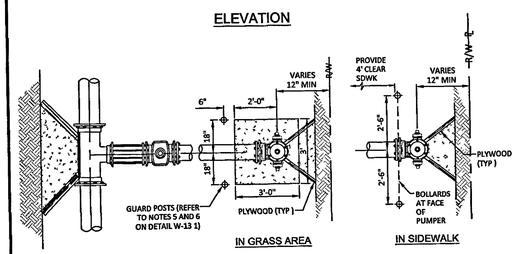
NOTES.

1 WHEN PIPE INSTALLATION IS ABOVE THE GROUND WATER TABLE ELEVATION, OR WHENEVER BEDDING COPPER PIPE UNDER ANY CONDITION, BEDDING MATERIAL SHALL BE CLEAN SANDY SOIL IF AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION IMPORTED BEDDING SHALL BE WELL GRADED, WASHED CRUSHED STONE (OR DRAINFIELD LIMEROCK) CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES, AND OTHER DELETERIOUS MATERIALS
2. ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID FOR ADDITIONAL MATERIAL SPECIFICATIONS REFER TO SPECIFICATION SECTION 02222, "EXCAVATION AND BACKFILL FOR UTILITIES"
3 DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM D-3017
4. BACKFILL TO COMPLY WITH FDOT DESIGN STANDARD 125-8

ISSUED 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL		REVISED 06/08/2014
DRAWN EAM	PIPE LAYING CONDITION TYPICAL SECTION (P V C.)		DRAWING NO G-03
APPROVED XXX			



ELEVATION



IN GRASS AREA

IN SIDEWALK

PLAN VIEW

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

NOTES

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

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

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PROJECT
12 UNIT APARTMENTS
2324 JOHNSON STREET
FOLIO NO 5142-16-01-4610, HOLLYWOOD FLORIDA 33020

DRWG TITLE
CONSTRUCTION DETAILS

DATE	MARCH, 2017
SCALE	AS NOTED
DWG BY.	C R W
CHK'D BY	C O B
JOB NO	17-043
SHEET NO	C-5

EROSION CONTROL PLAN

NOTES: 1) ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING REPRODUCTION PROCESSES

2) CONTRACTOR TO MAINTAIN DEBRIS ON-SITE, VEHICLES SHALL BE FREE OF EXCESS DEBRIS PRIOR TO ENTERING CITY OR COUNTY RIGHT-OF-WAYS.

BMPs
BEST MANAGEMENT PRACTICES

This plan has been prepared to ensure compliance with appropriate conditions of the Palm Beach County Land Development Regulations, the Rules of the Florida Department of Environmental Protection, Chapter 17-25, F.A.C., and the South Florida Water Management District, Chapter 400-4, F.A.C. The plan addresses the following areas:

1. Protection of preserved/conserved wetland habitats during construction
2. Protection of preserved/conserved upland habitats during construction.
3. General erosion control.
4. Protection of surface water quality during and after construction.
5. Control of wind erosion

The various techniques or actions identified under each section indicate the appropriate situation when the techniques should be employed. Also identified is a cross-reference to a diagram or figure representing the techniques.

It should be noted that the measures identified on this plan are only suggested BMP(s) the contractor shall provide pollution prevention and erosion control measures as specified in FDOT Index #100 and as necessary for each specific application.

SECTION 1 PROTECTION OF PRESERVED/CONSERVED WETLAND HABITATS DURING CONSTRUCTION

1.1 Wetland habitat protection BMPs shall be utilized for any development parcel which contains or abuts a preserved wetland and/or for any parcel which contains or abuts a mitigated wetland.

1.2 Preserved wetlands shall be protected prior to the start of sitework construction. Protection shall consist of a silt barrier constructed along the entire perimeter of the preserved wetland as shown in Figure 1. The silt barrier shall be constructed along the outer edge of the required 30 foot buffer adjoining preserved wetlands. The silt barrier may be either a silt fence as shown in Figure 2 or hay bales as shown in Figure 3.

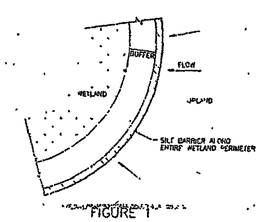
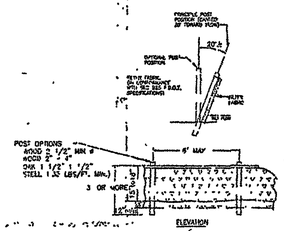


FIGURE 1



TYPICAL SILT FENCE

FIGURE 2

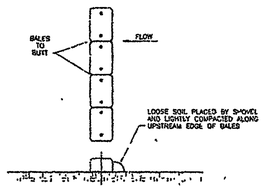
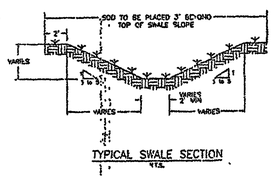
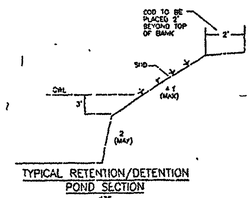


FIGURE 3



TYPICAL SWALE SECTION

FIGURE 4



TYPICAL RETENTION/DETENTION POND SECTION

FIGURE 5

SECTION 2 PROTECTION OF PRESERVED/CONSERVED UPLAND HABITATS

2.1 Barricades shall be placed around all protected (conserved) habitats including mesic and uplands during development.

2.2 Silt barriers required for the protection of preserved habitats other than wetlands shall be constructed along the perimeter of the preserved area in accordance with Implementation guidelines contained in Section 1.4.

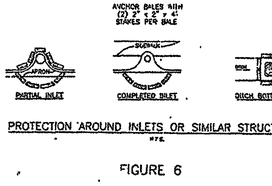
SECTION 3 GENERAL EROSION CONTROL

3.1 General erosion control BMPs shall be employed to minimize soil erosion and potential late slope construction. Where the various techniques required will be site and plan specific, they should be employed as soon as possible during construction activities.

3.2 Cleared site development areas not continuously scheduled for construction activities shall be covered with hay or overseeded and periodically watered sufficient to stabilize the temporary groundcover.

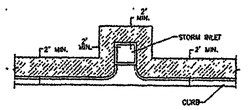
3.3 Slopes of banks of retention/detention ponds shall be constructed not steeper than 4H:1V from top of bank to two feet below normal water level as shown in Figure 5.

3.4 All grass slopes constructed steeper than 4H:1V shall be sodded as soon as practical after the construction as shown in Figure 8.



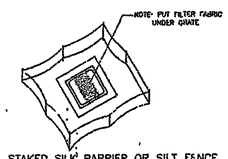
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

FIGURE 6



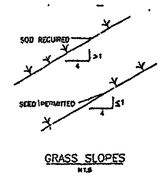
SOD ALONG CURB AND AROUND INLET

FIGURE 9



STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS

FIGURE 7



GRASS SLOPES

FIGURE 8

3.5 Sod shall be placed for a 3-foot wide strip adjoining all curbing and around all inlets as shown in Figure 9. Sod shall be placed before silt barriers, shown in Figure 9, are removed.

3.6 Where required to prevent erosion from sheet flow across bare ground from entering a lake or swale, a temporary sediment sump shall be constructed, as shown in Figure 10. The temporary sediment sump shall remain in place until vegetation is established on the ground draining to the sump.

SECTION 4 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION

4.1 Surface water quality shall be maintained by employing the following BMPs in the construction planning and construction of all improvements.

4.2 Where practical, stormwater shall be conveyed by swales. Swales shall be constructed as shown in Figure 5.

4.3 Erosion control measures shall be employed to minimize turbidity of surface waters located downstream of any construction activity. While the various measures required will be site specific, they shall be employed as needed in accordance with the following:

a. In general, erosion shall be controlled at the furthest practical upstream location

b. Stormwater inlets shall be protected during construction as shown in Figures 6 and 7. Protection measures shall be employed as soon as practical during the various stages of inlet construction. Silt barriers shall remain in place until sodding around inlets is complete.

4.4 Heavy construction equipment parking and maintenance areas shall be designed to prevent oil, grease, and lubricants from entering site drainage features including stormwater collection and treatment systems. Contractors shall provide brood dikes, hay bales or silt screens around, and sediment sumps within, such areas as required to contain spills of oil, grease or lubricants. Contractors shall have available, and shall use, absorbent filter pads to clean up spills as soon as possible after occurrence.

4.5 Silt barriers, any silt which accumulates behind the barriers, and any fill used to anchor the barriers shall be removed promptly after the end of the maintenance period specified for the barriers.

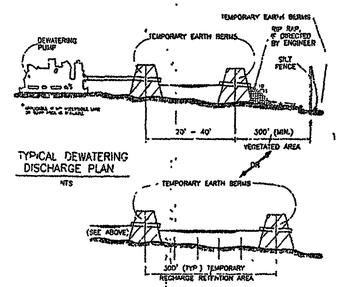
SECTION 5 CONTROL OF WIND EROSION

5.1 Wind erosion shall be controlled by employing the following methods as necessary and appropriate:

a. Bare earth areas shall be watered during construction as necessary to minimize the transport of fugitive dust. It may be necessary to limit construction vehicle speed if bare earth has not been effectively watered. In no case shall fugitive dust be allowed to leave the site under construction.

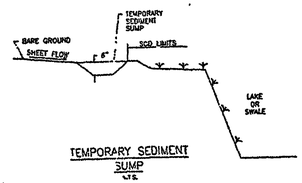
b. As soon as practical after completion of construction, bare earth areas shall be vegetated.

c. At any time both during and after site construction that watering and/or vegetation are not effective in controlling wind erosion and/or transport of fugitive dust, other methods as are necessary for such control shall be employed. These methods may include erection of dust control fences. If required, dust control fences shall be constructed in accordance with the detail for a silt fence shown in Figure 2 except the minimum height shall be 4 feet



TYPICAL DEWATERING DISCHARGE PLAN

FIGURE 11



TEMPORARY SEDIMENT SUMP

FIGURE 10

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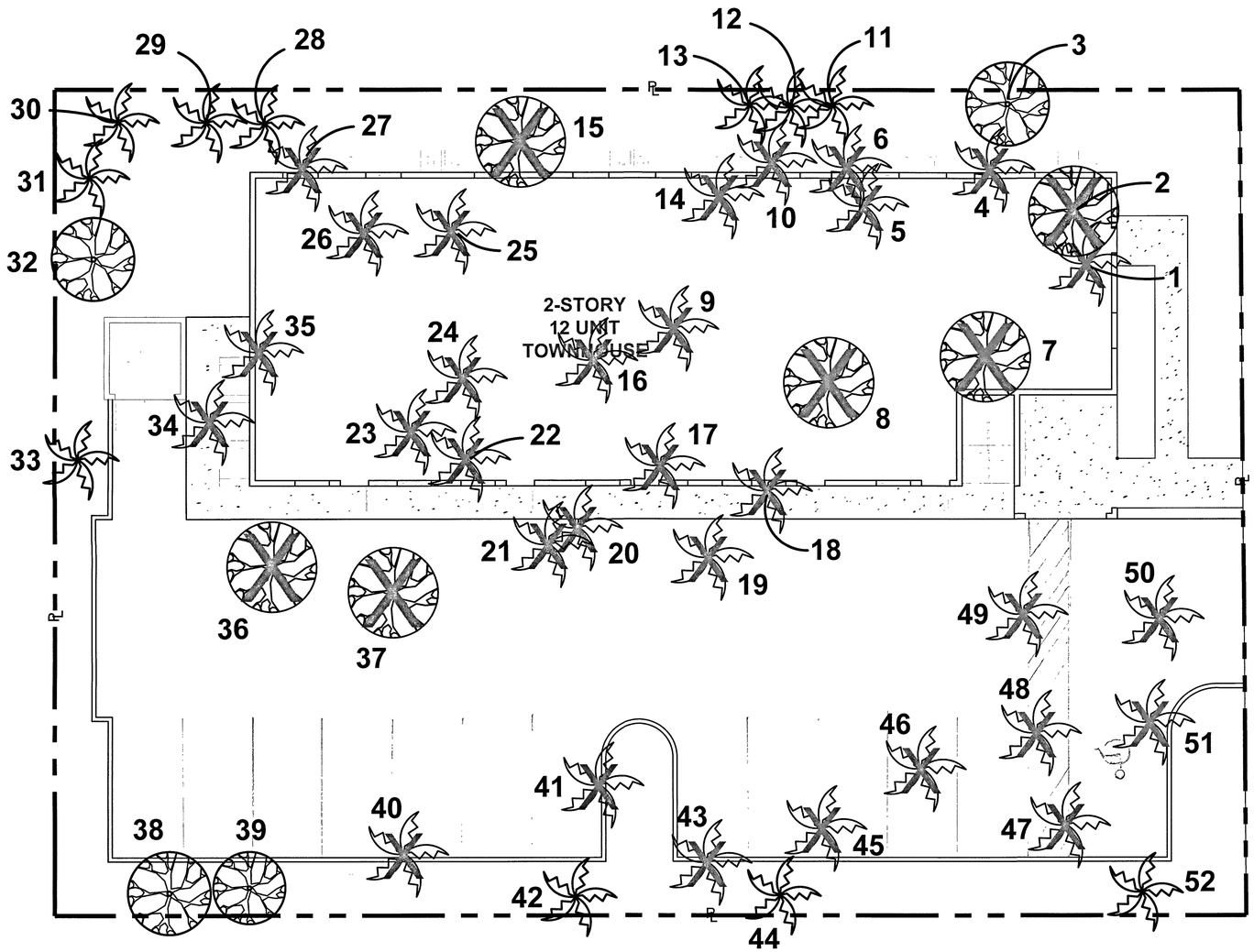
FOLIO NO 5142-16-01-4610, HOLLYWOOD FLORIDA 33020

DRWG TITLE
CONSTRUCTION DETAILS

DATE	MARCH, 2017
SCALE	AS NOTED
DWG BY	C R W
CHK'D BY	C O B
JOB NO	17-043
SHEET NO	C-6



TREE DISPOSITION TABLE

No.	LATIN NAME	COMMON NAME	DBH	SIZE (HxW)	DISPOSITION
1	Thrinax radiata	Florida Thatch Palm	n/a	25' X 8'	REMOVE
2	Mangifera indica	Mango	8"	28' X 32'	REMOVE
3	Magnolia grandiflora	Southern Magnolia	8"	28' X 18'	REMAIN
4	Syagrus romanzoffiana	Queen Palm	n/a	30' X 18'	REMOVE
5	Sabal palmetto	Sabal Palm	n/a	28' X 16'	REMOVE
6	Carpentaria acuminata	Carpentaria Palm	n/a	28' X 8'	REMOVE
7	Persea americana	Avocado	5"	15' X 12'	REMOVE
8	Persea americana	Avocado	12"	30' X 32'	REMOVE
9	Veitchia montgomeryana	Montgomery Palm	n/a	24' X 12'	REMOVE
10	Veitchia montgomeryana	Montgomery Palm	n/a	28' X 12'	REMOVE
11	Carpentaria acuminata	Carpentaria Palm	n/a	20' X 8'	REMAIN
12	Carpentaria acuminata	Carpentaria Palm	n/a	20' X 8'	REMAIN
13	Carpentaria acuminata	Carpentaria Palm	n/a	20' X 8'	REMAIN
14	Veitchia merrillii	Christmas Palm	n/a	18' X 8'	REMOVE
15	Schinus terebinthifolia	Brazilian Pepper	18"	18' X 30'	REMOVE
16	Veitchia montgomeryana	Montgomery Palm	n/a	24' X 10'	REMOVE
17	Carpentaria acuminata	Carpentaria Palm	n/a	27' X 8'	REMOVE
18	Carpentaria acuminata	Carpentaria Palm	n/a	25' X 8'	REMOVE
19	Carpentaria acuminata	Carpentaria Palm	n/a	23' X 8'	REMOVE
20	Thrinax radiata	Florida Thatch Palm	n/a	18' X 10'	REMOVE
21	Carpentaria acuminata	Carpentaria Palm	n/a	30' X 8'	REMOVE
22	Veitchia montgomeryana	Montgomery Palm	n/a	28' X 12'	REMOVE
23	Sabal palmetto	Sabal Palm	n/a	28' X 10'	REMOVE
24	Areca catechu	Betel-nut Palm	n/a	14' X 10'	REMOVE
25	Carpentaria acuminata	Triple Carpentaria Palm	n/a	25' X 16'	REMOVE
26	Oncosperma horridum	Mountain Nibong Palm	n/a	25' X 10'	REMOVE
27	Carpentaria acuminata	Carpentaria Palm	n/a	25' X 8'	REMOVE
28	Carpentaria acuminata	Carpentaria Palm	n/a	25' X 8'	REMAIN
29	Carpentaria acuminata	Carpentaria Palm	n/a	30' X 8'	REMAIN
30	Carpentaria acuminata	Carpentaria Palm	n/a	20' X 8'	REMAIN
31	Syagrus romanzoffiana	Queen Palm	n/a	28' X 12'	REMAIN
32	Guaiacum officinale	Tree of Life	5"	18' X20'	REMAIN
33	Carpentaria acuminata	Triple Carpentaria Palm	n/a	28' X 14'	REMAIN
34	Carpentaria acuminata	Carpentaria Palm	n/a	25' X 8'	REMOVE
35	Trachycarpus fortuneii	Windmill Palm	n/a	23' X 12'	REMOVE
36	Ficus rubiginosa	Rusty Leaf Fig	9"	20' X 22'	REMOVE
37	Mangifera indica	Mango	10"	24' X 18'	REMOVE
38	Cananga odorata	Ylang Ylang	10"	27' X 20'	REMAIN
39	Ilex vomitoria	Yaupon Holly	6"	20' X 12'	REMAIN
40	Carpentaria acuminata	Carpentaria Palm	n/a	23' X 8'	REMOVE
41	Veitchia montgomeryana	Montgomery Palm	n/a	35' X 12'	REMOVE
42	Dypsis decaryi	Triangle Palm	n/a	35' X 18'	REMAIN
43	Veitchia montgomeryana	Montgomery Palm	n/a	32' X 12'	REMOVE
44	Cocos nucifera	Coconut Palm	n/a	35' X 18'	REMAIN
45	Veitchia montgomeryana	Montgomery Palm	n/a	32' X 12'	REMOVE
46	Carpentaria acuminata	Triple Carpentaria Palm	n/a	25' X 16'	REMOVE
47	Wodyetia bifurcata	Foxtail Palm	n/a	20' X 14'	REMOVE
48	Carpentaria acuminata	Carpentaria Palm Cluster	n/a	25' X 14'	REMOVE
49	Carpentaria acuminata	Carpentaria Palm	n/a	16' X 8'	REMOVE
50	Dypsis decaryi	Triangle Palm	n/a	18' X 14'	REMOVE
51	Cocos n. 'Golden Malayan'	Golden Malayan Coco Palm	n/a	32' X 18'	REMOVE
52	Dictyosperma album	Hurricane Palm	n/a	10' X 8'	REMAIN
Total Palms (Monocots) Removed				31	
Total Dicot DBH Removed				66"	
Total Mitigation Required				22 Trees @ 3" DBH/14' Ht. & 31 Palms	

GENERAL DISPOSITION NOTES

1 CONTRACTOR TO VISIT SITE AND REVIEW PLANS PRIOR TO SUBMITTING A PROPOSAL TO OWNER CONTRACTOR SHALL VERIFY SITE AND TREE INFORMATION, AND BRING ANY DISCREPANCIES WITHIN THE PLANS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO SUBMITTING A PROPOSAL

2 THESE PLANS WERE PREPARED BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN ALL FINAL PLANS SHALL BE COORDINATED WITH FINAL APPROVED SITE PLAN

3 CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES BEFORE WORK COMMENCES AND SHALL PROTECT ALL UNDERGROUND/ABOVE GROUND UTILITIES AND EXISTING CONDITIONS-TO-REMAIN DURING CONSTRUCTION

4 THE TREE REMOVAL WORK HEREIN WILL REQUIRE MITIGATION IN ACCORDANCE WITH CITY OF HOLLYWOOD ARTICLE 9 TREE MITIGATION REQUIREMENTS

5 CONTRACTOR TO COMPLETELY REMOVE ALL PARTS OF TREES SPECIFIED FOR REMOVAL ON THE TREE DISPOSITION PLAN GRIND ALL TRUNKS/ROOT SYSTEMS OR TREES TO BE REMOVED A MINIMUM OF 18" DEPTH IN THEIR ENTIRETY AND FILL AND COMPACT WITH SUITABLE CLEAN SOIL TO FINAL GRADE

6 LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE CHANGES IN MATERIAL, QUANTITIES AND PROJECT SCOPE TO CONTRACTED WORK

7 IN THE EVENT OF DISPUTE, THE LANDSCAPE ARCHITECT'S INTERPRETATION SHALL BE FINAL

8 ALL WORK TO BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS

9 CONTRACTOR TO LEAVE SITE COMPLETELY CLEAN, RESTORED, AND FREE OF DEBRIS CONTRACTOR TO REPAIR IN FULL ANY DAMAGE CAUSED BY WORK OR MOBILIZATION

10 FOR ALL TREES TO BE REMOVED, CONTRACTOR TO TAKE PROPER CARE IN REMOVAL TO NOT CAUSE DAMAGE TO EXISTING SITE FEATURES, CONDITIONS, INFRASTRUCTURE, OR THE GENERAL PUBLIC AND PASSERSBY COMPLETELY REMOVE TREES AND PROPERLY DISPOSE OF REMAINS OFF-SITE

11 NO TREES SHALL BE REMOVED OR RELOCATED UNTIL A CITY OF HOLLYWOOD TREE REMOVAL PERMIT IS ISSUED APPLICATIONS ARE AVAILABLE IN ROOM 308 OF CITY HALL OR VIA WEBSITE DOWNLOAD AT WWW HOLLYWOODFL ORG > DEPARTMENTS > ENGINEERING > ENGINEERING SERVICES

12 ALL TREES TO REMAIN SHALL BE PROTECTED IN PLACE BY A TREE PROTECTION BARRIER FENCE ERECTED TO THE EXTENTS OF THE CANOPY DRIPLINES SEE LANDSCAPE DETAILS SHEET FOR ADDITIONAL INFORMATION FAILURE TO MAINTAIN THE BARRIERS MAY RESULT IN DAMAGE TO TREES SPECIFIED TO REMAIN, ESPECIALLY ONES CLOSE TO ACTIVE CONSTRUCTION, WHICH MAY RESULT IN TREE MITIGATION COSTS, ADDITIONAL PERMITTING TIME AND COSTS, OR REJECTION OF TREES AT TIME OF FINAL INSPECTION TREE PROTECTION BARRIERS ARE TO REMAIN IN PLACE, TO THE EXTENTS OF THE TREE DRIPLINES, FOR THE ENTIRE DURATION OF CONSTRUCTION

TREE SYMBOL LEGEND

- # - **EXISTING PALM TO REMAIN** — SEE TREE PROTECTION FENCING DETAIL FOR FENCING TO BE ERECTED AND MAINTAINED DURING ENTIRE CONSTRUCTION PERIOD
- # - **EXISTING PALM TO BE REMOVED** — REMOVE ENTIRE ROOT SYSTEMS AND FILL/LIGHTLY COMPACT/GRADE WITH SUITABLE SOIL
- # - **EXISTING TREE TO REMAIN** — SEE TREE PROTECTION FENCING DETAIL FOR FENCING TO BE ERECTED AND MAINTAINED DURING ENTIRE CONSTRUCTION PERIOD
- # - **EXISTING TREE TO BE REMOVED** — REMOVE ENTIRE ROOT SYSTEMS AND FILL/LIGHTLY COMPACT/GRADE WITH SUITABLE SOIL

No.	REVISIONS	DATE	BY

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HOLLYWOOD, FLORIDA
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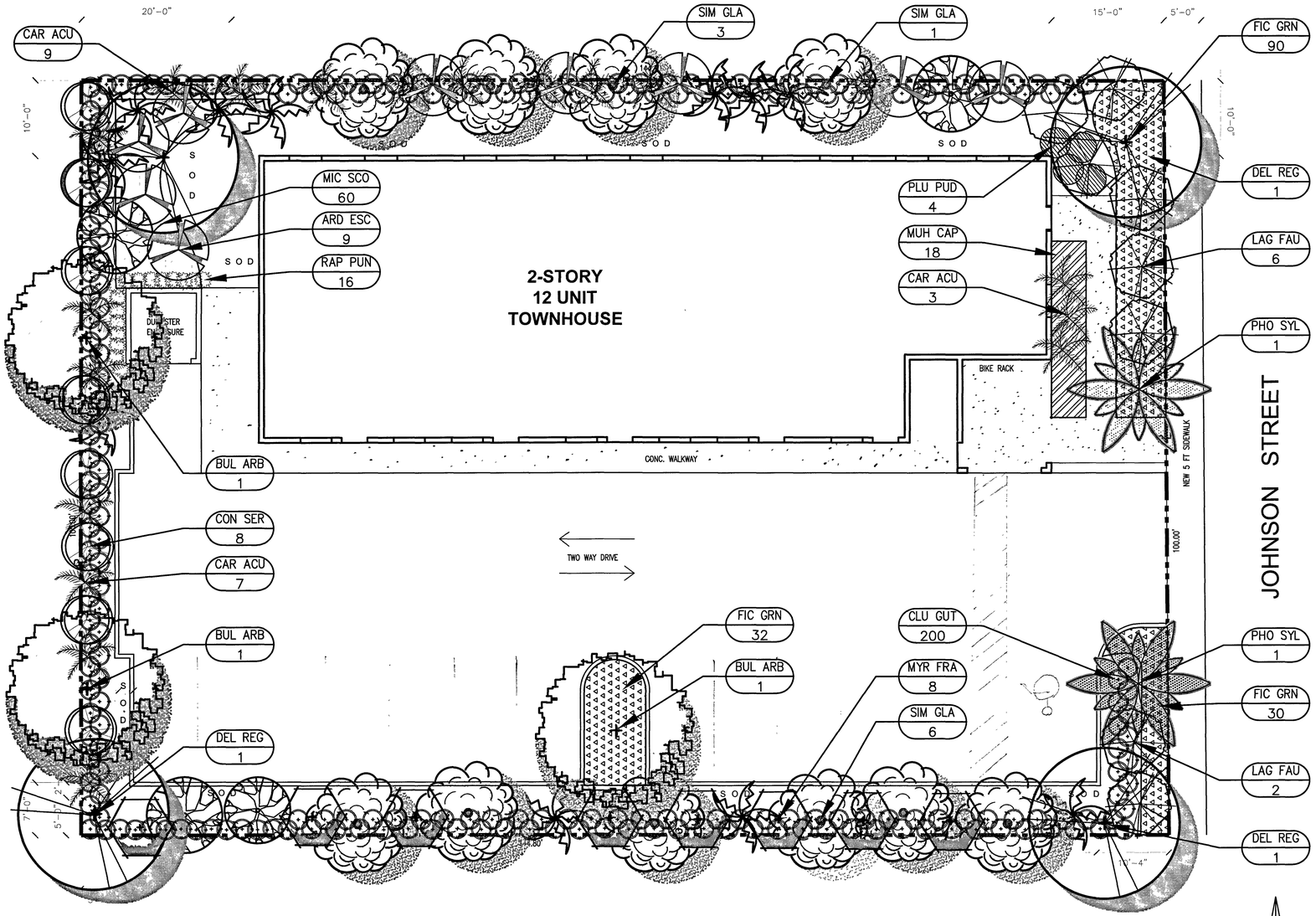
LICENSED PROFESSIONAL
WILLIAM DALE BRYANT
FL LICENSE NUMBER
LA6666943
DATE 4-16-18

PROJECT #	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
18-110	03-09-2018	AS SHOWN	WDB	WDB	WDB

12 UNIT APARTMENT BUILDING
2324 JOHNSON STREET
HOLLYWOOD, FL
BROWARD FL

TREE DISPOSITION PLAN

SHEET NUMBER
L-100



PLANT LIST & SPECIFICATIONS

	SYMBOL	QUANTITY	LATIN NAME	COMMON NAME	SIZE	DESCRIPTION
	TREE AND PALMS					
*N	ARD ESC	9	Ardisia escalloniodes	MARLBERRY	2" DBH/12' HT	SINGLE LEADER TREE FORM, FULL RADIAL BRANCHING
	BUL ARB	3	Bulnesia arborea	VERAWOOD	2" DBH/12' HT.	STRAIGHT TRUNK, FULL RADIAL BRANCHING
	CAR ACU	19	Carpentaria acuminata	CARPENTARIA PALM	12'/16' CT HTS.	STRAIGHT EVEN, ALTERNATE CLEAR TRUNK HEIGHTS, FULL CROWNS
*N	CON SER	8	Conocarpus erectus 'Sericeus'	SILVER BUTTONWOOD	12' HT	MULTI-LEADER, DENSE, FULL RADIAL BRANCHING
	DEL REG	3	Delonix regia	ROYAL POINCIANA	3" DBH/14' HT	STRAIGHT TRUNK, FULL RADIAL BRANCHING
	LAG FAU	8	Lagerstroemia faurei 'Muskogee'	MUSKOGEE CRAPE MYRTLE	2" DBH/12' HT	SINGLE LEADER TREE FORM, FULL RADIAL BRANCHING
*N	MYR FRA	8	Myrcianthes fragrans	SIMPSON'S STOPPER	12' HT	MULTI-LEADER, DENSE, FULL RADIAL BRANCHING
	PHO DAC	2	Phoenix dactylifera	SYLVESTER DATE PALM	12' C T	STRAIGHT EVEN TRUNKS WITH DIAMOND PATTERN FINISH, FULL CROWN
*N	SIM GLA	10	Simaruba glauca	PARADISE TREE	2" DBH/12' HT	STRAIGHT TRUNK, FULL RADIAL BRANCHING
*N	SYMBOL LEGEND	1	Magnolia grandiflora (existing)	EXISTING MAGNOLIA	8" dbh	PROTECT PER TREE PROTECTION BARRIER SHEET L-201
	SYMBOL LEGEND	1	Cananga odorata (existing)	EXISTING YLANG-YLANG	10" dbh	PROTECT PER TREE PROTECTION BARRIER SHEET L-201
*N	SYMBOL LEGEND	1	Guaiacum officinale (existing)	EXISTING TREE OF LIFE	5" dbh	PROTECT PER TREE PROTECTION BARRIER SHEET L-201
*N	SYMBOL LEGEND	1	Ilex vomitoria (existing)	EXISTING YAUPON HOLLY	6" dbh	PROTECT PER TREE PROTECTION BARRIER SHEET L-201
	SYMBOL LEGEND	11	Palm Species - Varies	SEE SHEET L-100 FOR SPECIES	VARIES	PROTECT PER TREE PROTECTION BARRIER SHEET L-201
	SHRUBS AND GROUNDCOVER					
*N	CLU GUT	200	Clusia guttifera	LITTLELEAF CLUSIA	24" X 24"	FULL, SPACE 24" ON CENTER
	FIC GRN	152	Ficus microcarpa 'Green Island'	GREEN ISLAND FICUS	18" X 18"	FULL, SPACE 24" ON CENTER
	MIC SCO	60	Microsorum scolopendria	WART FERN	15" X 15"	FULL, SPACE 24" ON CENTER
*N	MUH CAP	18	Muhlenbergia capillaris	MUHLY GRASS	24" X 24"	FULL, SPACE 30" ON CENTER
	PLU PUD	4	Plumeria pudica	BRIDAL BOUQUET	6' HT.	FULL, SPACE AS SHOWN ON PLAN @ 48" ON CENTER
*N	RAP PUN	16	Rapanea punctata	MYRSINE	42" X 24"	FULL, SPACE 24" ON CENTER

*N - DENOTES FLORIDA NATIVE SPECIES

TREE SYMBOL LEGEND

- **EXISTING PALM TO REMAIN**
  SEE TREE PROTECTION FENCING DETAIL FOR FENCING TO BE ERECTED AND MAINTAINED DURING ENTIRE CONSTRUCTION PERIOD
- **EXISTING TREE TO REMAIN**
  SEE TREE PROTECTION FENCING DETAIL FOR FENCING TO BE ERECTED AND MAINTAINED DURING ENTIRE CONSTRUCTION PERIOD

LANDSCAPE PLANTING PLAN

SCALE 1/8" = 1'- 0"

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TABULAR DATA CODE CHART

REGULATING DOCUMENT. ARTICLE 9 LAND DEVELOPMENT & ZONING REGULATIONS		
ZONING RM-12		
SECTION ARTICLE 9 LDR	REQUIRED	PROVIDED
STREET TREE REQUIREMENTS JOHNSON STREET - 100LF STREET FRONTAGE	2 TREES	2 TREES
VEHICULAR USE AREAS 25% OF PARKING AREA TO BE LANDSCAPED - 5,490 SF 3 TERMINAL/PENINSULAR PARKING ISLANDS	1,373 SF LANDSCAPED AREA 3 TREES + LANDSCAPING	1,387 SF LANDSCAPED AREA 3TREES + LANDSCAPING
OPEN SPACE TREE REQUIREMENTS 4,137 SF PERVIOUS OPEN SPACE	5 TREES	5 TREES
AT-GRADE PARKING LOT	24" CONTINUOUS HEDGE	24" CONTINUOUS HEDGE
TREE MITIGATION 31 PALMS REMOVED 66" DBH DICOTS REMOVED	31 PALMS OR 11 TREES 66" DBH BROADLEAF TREES	30 PALMS & 1 TREE 82" DBH BROADLEAF TREES
NATIVE TREE AND SHRUB REQUIREMENT	60% NATIVE TREES/50% SHRUBS	60% NATIVE TREES/52% SHRUBS

LANDSCAPE NOTES & SPECIFICATIONS

1 CONTRACTOR TO VISIT SITE AND REVIEW PLANS PRIOR TO SUBMITTING A PROPOSAL TO OWNER CONTRACTOR SHALL VERIFY SITE AND TREE INFORMATION, AND BRING ANY AND ALL DISCREPANCIES, CONFLICTS, SHORTAGES, OR OTHER SCOPE/QUANTITY/ TIME RELATED ISSUES, INCOMPLETENESS OR CONSISTENCY WITHIN THE PLANS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION PRIOR TO SUBMITTING A PROPOSAL OR BASING A PROPOSAL ON THE SCOPE OF WORK

2 THESE PLANS WERE PREPARED BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN AND AS PROVIDED ALL FINAL PLANS SHALL BE COORDINATED WITH FINAL APPROVED SITE PLAN

3 CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES BEFORE WORK COMMENCES AND SHALL PROTECT ALL UNDERGROUND/ABOVE GROUND UTILITIES AND EXISTING CONDITIONS-TO-REMAIN DURING CONSTRUCTION

4 SEE TREE PROTECTION DETAIL ON LANDSCAPE DETAILS SHEET FOR TREE PROTECTION TO BE ERECTED BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN FOR TREES AND PALMS TO REMAIN, AND TO REMAIN INTACT AS ERECTED UNTIL FINAL COMPLETION OF PROJECT

5 IN THE EVENT OF DISPUTE, THE LANDSCAPE ARCHITECT'S INTERPRETATION SHALL BE FINAL

6 ALL WORK TO BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND ADJUST IF NECESSARY TO AVOID CONFLICTS OR SAFETY HAZARDS

7 ALL WORK TO BE PERFORMED IN A PROFESSIONAL, WORKMANLIKE MANNER AND ONLY DURING THOSE TIMES PERMITTED BY THE CITY OF HOLLYWOOD PROTECT THE PUBLIC AND GENERAL PASSERSBY AT ALL TIMES AND PROTECT ALL TREES SPECIFIED TO REMAIN

8 ALL NEW PLANT MATERIAL SHALL BE FLORIDA NO 1 OR BETTER ACCORDING TO "GRADES AND STANDARDS FOR NURSERY PLANTS" PUBLICATION BY THE FLORIDA DEPT OF AGRICULTURE AND CONSUMER SERVICES ALL TREES OR PLANTS NOT MEETING THIS MINIMUM SPECIFICATION AS DEFINED IN THE PUBLICATION WILL BE REJECTED

9 ALL TREES AND PALMS MUST BE PLANTED SO THE TOP OF THE ROOT BALL, ROOT FLARE, AND FIRST ORDER ROOTS ARE SLIGHTLY ABOVE THE FINAL GRADE (ADVENTITIOUS ROOTS ARE NOT CONSIDERED FIRST ORDER ROOTS)

10 ALL SYNTHETIC BURLAP, SYNTHETIC STRING, CORDS OR OTHER NON-BIODRADABLE MATERIALS SHALL BE **COMPLETELY REMOVED IN THEIR ENTIRETY** FROM THE ROOTBALLS BEFORE ANY TREES ARE PLANTED

11 FOR BIODEGRADABLE BURLAP ROOTBALL CONTAINMENT THE TOP PORTION OF BURLAP MUST BE REMOVED FROM THE TOP OF THE ROOTBALLS THE TOP 1/3RD OF WIRE BASKETS SHALL BE REMOVED, THE BOTTOM 2/3RDS SHALL BE CUT BEFORE THE TREES ARE INSTALLED

12 ALL SYNTHETIC TAPE (I E , TAGGING TAPE, NURSERY TAPE) SHALL BE REMOVED FROM TRUNKS, BRANCHED, ETC BEFORE INSPECTION REMOVE ALL BAMBOO AND METAL STAKES FROM THE TREES

13 TREES SHALL HAVE A MULCH RING WITH A MINIMUM DIAMETER OF 4' MULCH WILL BE A GRADE B SHREDDED WOOD HARVESTED FROM EXISTING MELALEUCA OR EUCALYPTUS STANDS (STERILIZED TO DESTROY ANY SEEDS) OVER HEAVY WEED BARRIER FABRIC, SECURED IN PLACE USING METAL SOD STAPLES, AND APPROXIMATELY 3" DEPTH WHEN SETTLED USE COMMERCIAL GRADE BLACK PLASTIC EDGING FOR SHAPE AND CONTAINMENT OF SHRUB & GROUNDCOVER LANDSCAPE PLANTING AREAS, STAKED IN PLACE

14 ALL TREES AND PALMS SHALL BE GUYED WITH PROPER HORTICULTURAL AND ARBORICULTURAL TECHNIQUES DO NOT USE WIRE, BLACK STRAPPING, OR OTHER SYNTHETIC MATERIAL FOR THE DIRECT STAKING OF TREES PLEASE USE BIODEGRADABLE MATERIAL FOR STAKING DIRECTLY AROUND TRUNKS SUCH AS SISAL TWINE NAILING INTO TREES AND PALMS FOR ANY REASON IS PROHIBITED ALL STAKING MATERIAL SHALL BE REMOVED ONCE TREES ARE ESTABLISHED

15 ALL PERVIOUS LANDSCAPED AREAS SHALL RECEIVE 100% IRRIGATION COVERAGE, AS DEFINED BY CITY OF HOLLYWOOD, SFWMD AND INDUSTRY STANDARDS (BEING 'HEAD-TO-HEAD' ARC THROW WITH 50% OVERLAP), BY MEANS OF AN AUTOMATIC, FULLY PROGRAMMABLE UNDERGROUND IRRIGATION SYSTEM UTILIZING PVC PIPE, RAINBIRD 1800 SERIES POP-UP SPRAY TYPE HEADS, REMOTE ELECTRONIC ZONE VALVES, A PROGRAMMABLE AUTOMATIC CONTROLLER WITH INTEGRATED RAIN SENSOR, BACKFLOW PREVENTION DEVICE, SCHEDULE 80 PVC SLEEVES FOR PIPING BENEATH PAVEMENT, ETC ADDITIONALLY, ALL NEWLY PLANTED TREES AND PALMS WILL RECEIVE A MINIMUM OF ONE (1) BUBBLER NOZZLE TO WATER THE ROOT SYSTEMS FOR ESTABLISHMENT ADJUST SCREW TO EMIT NO MORE THAN 25 GPM FLOW EACH THIS PLAN IS NOT COMPLETE WITHOUT IRRIGATION PLAN AND IRRIGATION DETAILS SHEETS L-300 AND L-301 IRRIGATION CONTRACTOR TO INSURE THAT FINAL SYSTEM AND ANY REQUIRED ADJUSTMENTS PROVIDE 100% COVERAGE AND ADDITIONAL ZONES OR HEADS MAY NEED TO BE ADDED TO ACHIEVE THIS ALL WORK SHALL COMPLY WITH MUNICIPAL AND COUNTY ORDINANCES, SFWMD REGULATIONS AND RESTRICTIONS AND THE STATE OF FLORIDA

16 FOLLOW APPROVED LANDSCAPE PLANS FOR SPECIES, SIZES, LOCATIONS, QUANTITIES, QUALITY, ETC IF CONTRACTOR IS UNABLE TO LOCATE PLANT MATERIAL AT REQUIRED SPECIFICATIONS CONTACT THE LANDSCAPE ARCHITECT PRIOR TO ANY CHANGES OR SUBSTITUTIONS BEING ASSUMED, ORDERED, OR MADE

17 PLANT LIST IS PROVIDED FOR CONVENIENCE ONLY IF DISCREPANCIES EXIST BETWEEN PLANT TABLE AND PLAN, PLAN DRAWING AND ON-CENTER SPACING SHALL TAKE PRECEDENCE

18 ALL TREES ARE TO HAVE PROTECTIVE LAYER OF BURLAP OR SIMILAR HEAVY WOVEN PROTECTIVE FABRIC AROUND THE TRUNKS WHEN LOADING AND UNLOADING WITH MACHINE EQUIPMENT NO SCARRING OF TRUNKS WILL BE ACCEPTED AND MATERIALS THAT ARE SCARRED WILL BE REJECTED

19 ALL MATERIALS AND WORKMANSHIP WILL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE FROM FAILURE, DEATH, TERMINAL DECLINE, ETC THE WARRANTY PERIOD MAY BE EXTENDED BEYOND THAT TIMEFRAME IF, AT THE END OF ONE YEAR, ANY PLANTS ARE NOT IN A THRIVING STATE, INDICATIVE OF HEALTHY PLANTS OF EACH SPECIES

20 BEGIN WATERING ALL PLANT MATERIALS IMMEDIATELY AFTER INSTALLATION OR RELOCATION FOR RELOCATIONS SEE CARE AND WATERING SCHEDULE ABOVE FOR ALL NEW PLANTS, WATER ACCORDING TO SFWMD, BROWARD COUNTY AND CITY OF HOLLYWOOD REGULATIONS FOR NEW LANDSCAPE INSTALLATIONS UP TO 30 DAYS AND BEGIN PHASE II WATER RESTRICTION SCHEDULE FOLLOWING THAT A SUMMARY IS LANDSCAPING FROM 0-30 DAYS AFTER INSTALLATION WATERING CAN OCCUR ON ALL DAYS EXCEPT ON FRIDAYS FROM 30-90 DAYS, WATERING FOR NEW LANDSCAPING CAN OCCUR ON MONDAY, WEDNESDAY, THURSDAY, AND SATURDAY FOR BOTH ESTABLISHMENT WATERING PERIODS AND FINAL ESTABLISHED PERIOD, NO WATERING SHALL OCCUR BETWEEN 10 A M IN THE MORNING AND 4 P M IN THE AFTERNOON

21 ALL WORK WITHIN THESE PLANS TO BE DONE IN A SOUND, WORKMANLIKE MANNER, INDICATIVE OF THE PROFESSIONAL STANDARDS REGULATING EACH DISCIPLINE AND THE PERTINENT DIVISION OF THE CONSTRUCTION SPECIFICATIONS INSTITUTE, THE CITY OF HOLLYWOOD, AND ANY OTHER REGULATING OR GOVERNING AUTHORITY WORK WILL ONLY OCCUR WITHIN THE DAYS AND HOURS SPECIFIED WITHIN THE CODE OF ORDINANCES AND CONTRACTORS AND SUB-CONTRACTORS SHALL PERFORM WORK IN A SAFE, PROFESSIONAL MANNER WITHOUT UNNECESSARY DISTURBANCE TO THE SURROUNDING COMMUNITY, OTHER ON-SITE WORKERS OR PASSERSBY

22 ANY DAMAGE TO EXISTING CONDITIONS INCLUDING EXISTING LAWN AREA WILL BE RESTORED TO A CONDITION EQUAL TO OR EXCEEDING THE CONDITION AT TIME OF WORK COMMENCEMENT EXISTING LAWN REPAIR WILL BE DONE COMPLETE FOR ANY AND ALL DAMAGED AREAS AFFECTED BY WORK THIS INCLUDES MATCHING OF EXISTING GRASS SPECIES WITH WHOLE, CERTIFIED SOD LAID OVER 2" BLANKET OF HAND-RAKED, FINELY-GRADED TOPSOIL AFTER ANY NECESSARY EXCAVATION REQUIRED SO THAT NEW SOD MATCHES EXISTING OR PREVIOUS SOD IN APPEARANCE, ELEVATION, EXTENT, WITH CLEAN AND TIGHT JOINTS AND CUT IN PROPERLY SO THAT NEW AND EXISTING EDGES MEET SEAMLESSLY STAGGER JOINTS OF ALL NEW SOD SPECIES SHALL BE ST AUGUSTINE 'FLORATAM' VARIETY CERTIFIED TRUE TO NOMENCLATURE BY THE SUPPLIER ON RECEIPT IF EXISTING PLANTING BEDS ARE DAMAGED, RESTORE TO SAME CONDITION WITH SAME MATERIALS

23 ANY REFERENCE, MENTION OR INFERENCE OF 'PLANTING SOIL', 'AMENDED SOIL', 'SOIL MIX' OR THE LIKE SHALL MEAN A SPECIFIC SOIL MIX AS FOLLOWS 50-50 PERCENTAGE-BY-VOLUME RATIO, PRE-MIXED OFF SITE, AND COMPRISED OF 50% CLEAN, SCREENED SILICA SAND, AND 50% PULVERIZED FLORIDA MUCK, ALSO REFERRED TO AS TOPSOIL, FREE FROM ANY WEEDS, NEMATODES, SEEDS, AGGREGATE (OTHER THAN SPECIFIED SAND) OR OTHER DELETERIOUS MATERIALS AND PREPARED SPECIFICALLY FOR USE AS A SOIL AMENDMENT IN LANDSCAPING APPLICATIONS AN AMENDED ORGANIC OF COW MANURE OR ORGANIC PEAT IS ACCEPTABLE UP TO 10% OF THE TOTAL VOLUME OF THE MIX

24 CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS PRIOR TO COMMENCING WORK BASED ON THESE PLANS

25 ALL BEDLINES FOR SHRUBS AND GROUNDCOVER TO HAVE FLOWING ARCS AS SHOWN CREATING AN ATTRACTIVE, ORGANIC AESTHETIC MULCHED BEDLINE EDGES WITH FLAT OR 'DEAD' AREAS THAT BREAK FROM THE CURVILINEAR NATURE WILL BE REJECTED

No.	REVISIONS	DATE	BY

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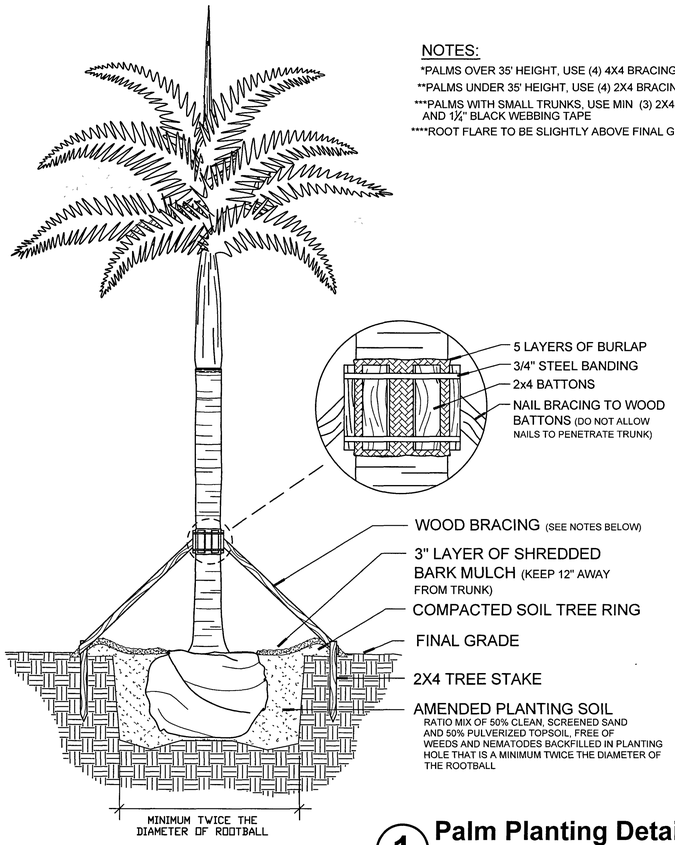
LICENSED PROFESSIONAL
WILLIAM DALE BRYANT
FL LICENSE NUMBER
LA6666943
DATE 4-16-18

PROJECT #	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
18-110	03-09-2018	AS SHOWN	WDB	WDB	WDB

12 UNIT APARTMENT BUILDING
2324 JOHNSON STREET
HOLLYWOOD, FL
BROWARD

LANDSCAPE PLANTING PLAN

SHEET NUMBER
L-200



NOTES:

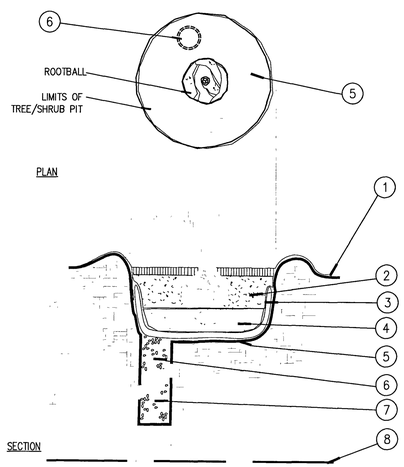
*PALMS OVER 35' HEIGHT, USE (4) 4X4 BRACING AND STAKES

**PALMS UNDER 35' HEIGHT, USE (4) 2X4 BRACING AND STAKES

***PALMS WITH SMALL TRUNKS, USE MIN (3) 2X4 STAKES AND 1½" BLACK WEBBING TAPE

****ROOT FLARE TO BE SLIGHTLY ABOVE FINAL GRADE

1 Palm Planting Detail
SECTION NTS

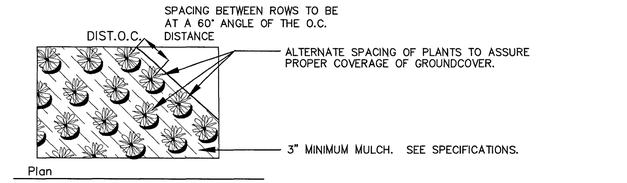


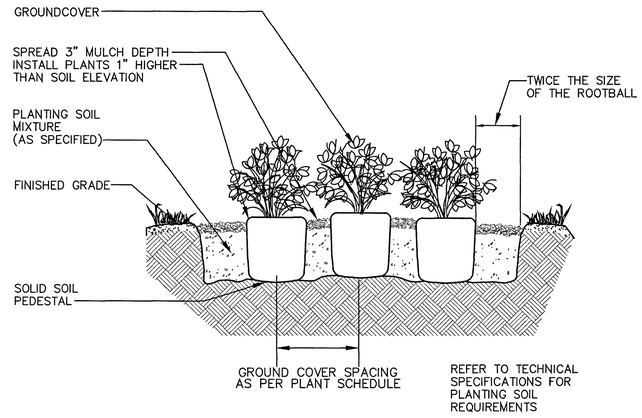
1. FINISH GRADE
2. BACKFILL WITH PREPARED PLANTING SOIL MIX AS SPECIFIED.
3. FILTER CLOTH, MIRAFI 500X OR BETTER
4. 12" CLEAN SAND, COMPACTED. ADJUST LAYER THICKNESS SO TOP OF ROOTBALL IS AT LEAST 1" ABOVE FINISHED GRADE.
5. SLOPE BOTTOM TO DRAIN
6. ±18"ø AUGERED HOLE PENETRATE THROUGH OCCLUDING LAYER TO WATER TABLE OR TO A DEPTH OF 7' TO ASSURE PROPER PERCOLATION.
7. BACKFILL WITH 1/2" – 3/4" GRAVEL.
8. WATER TABLE. (DEPTH VARIES)

NOTE:

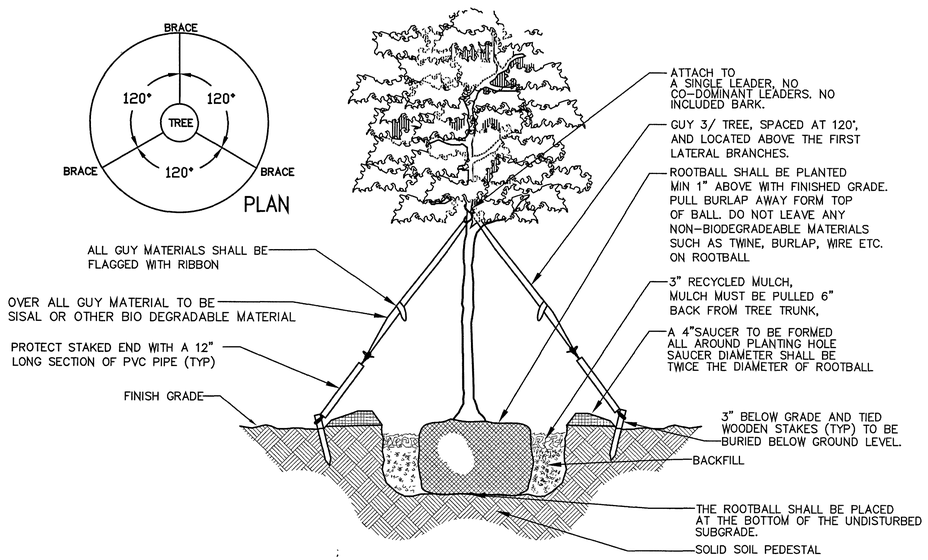
FOR A PARKING ISLAND PLANTING SITUATION, CONTRACTOR TO BACKFILL ENTIRE LENGTH OF PLANTING AREA TO WITHIN 6" OF BACK OF CURB OR EDGE OFPAVEMENT.

2 Poor Drainage Detail
SECTION NTS





3 Shrub-Groundcover Planting Detail
SECTION NTS



4 Tree Planting Detail
SECTION NTS

24" DeepRoot Tree Root Barriers

Specified tree root barriers are a mechanical barrier and root deflector to prevent tree roots from damaging hard-scapes and landscapes. Assembled in 2' long modules to creat varying sizes of cylinders for surrounding root balls (Surround planting style) or for linear applications directly beside a hardscape adjacent to one side of the trees (Linear planting style).

A. Materials

1. The contractor shall furnish and install tree root barriers as specified. The tree root barriers shall be product # UB 24-2 as manufactured by Deep Root Partners, L.P. 345 Lorton Ave. #103, Burlingame, CA (800-458-7668), or approved equal. The barrier shall be Black, Injection Molded Panels, of 0.085" wall thickness in modules 24" long by 24" deep; manufactured with a minimum 50% post consumer recycled polypropylene plastic with added ultraviolet inhibitors; recyclable. Each panel shall have:

Not less than 4 Molded Integral Vertical Root Deflecting Ribs of at least 0.085" thickness protruding 1/2" at 90° from interior of the barrier panel, spaced 6" apart. (See panel drawing below)

A Double Top Edge consisting of two parallel, integral, horizontal ribs at the top of the panel of a minimum 0.085" thickness, 7/16" wide and 1/4" apart with the lower rib attached to the vertical root deflecting ribs. (See detail "A")

A minimum of 9 Anti-Lift Ground Lock Tabs consisting of integral horizontal ridges of a minimum 0.085" thickness in the shape of a segment of a circle, the 2" chord of the segment joining the panel wall and the segment, protruding 3/8" from the panel. The nine ground locks on each panel shall be about equally spaced between each of the vertical root deflecting ribs (3 between each set of ribs, see Detail "B").

An integrated Zipper Joining System providing for instant assembly by sliding one panel into another. (See Detail "C")

2.The basic properties of the material shall be:

Test	ASTM Test Method	Value Copolymer Polypropylene
Tensile stress @ yield	D638	3800 PSI
Elongation @ yield	D638	6.3%
Flexural Modulus	D790B	155,000 PSI
Notched Izod Impact	D256A	7.1
Rockwell Hardness r. scale	D785A	68

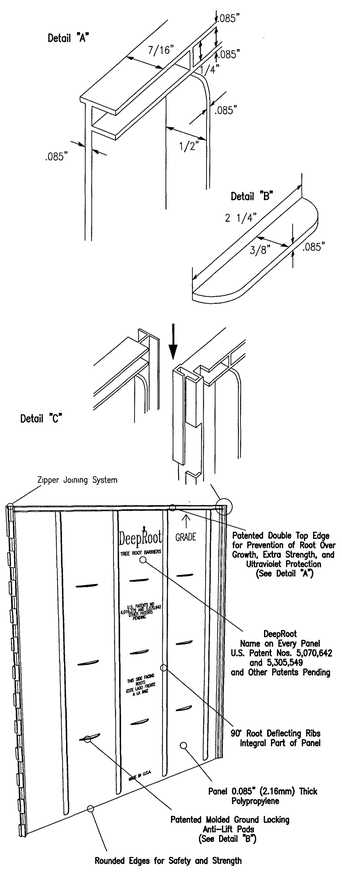
U.S. Patents: 5,305,549 and 5,070,642. Other Patents Pending.

B. Construction and Installation

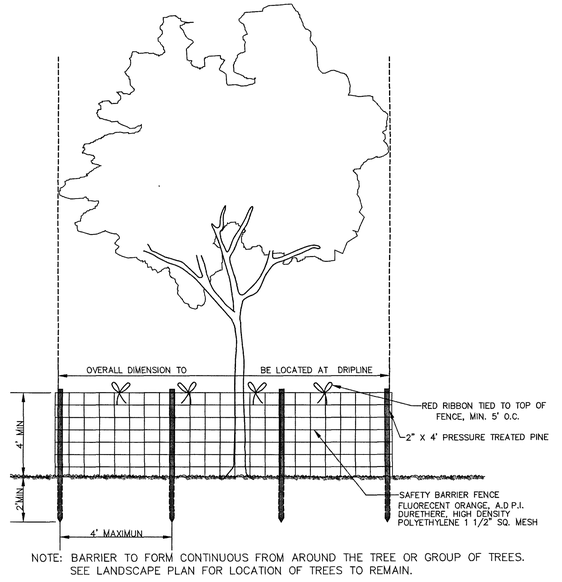
1. The contractor shall install the tree root barriers with the number of panels and in the manner shown on the Drawings. The vertical root deflecting ribs shall be facing inwards to the root ball and the top of the double edge shall be 1/2" above grade. Each of the required number of panels shall be connected to form a circle around the root ball or where specified joined in a linear fashion and placed along the adjacent hardscape.

2. Excavation and soil preparation shall conform to the Drawings

3. The tree root barriers shall be backfilled on the outside with 3/4" to 1 1/2" gravel or crushed rock as shown on the Drawings. No gravel backfill is required for a linear planting



5 Root Barrier Detail
SECTION NTS



NOTE: BARRIER TO FORM CONTINUOUS FROM AROUND THE TREE OR GROUP OF TREES. SEE LANDSCAPE PLAN FOR LOCATION OF TREES TO REMAIN.

6 Tree Protection Barrier Detail
SECTION NTS

No.	REVISIONS	DATE	BY

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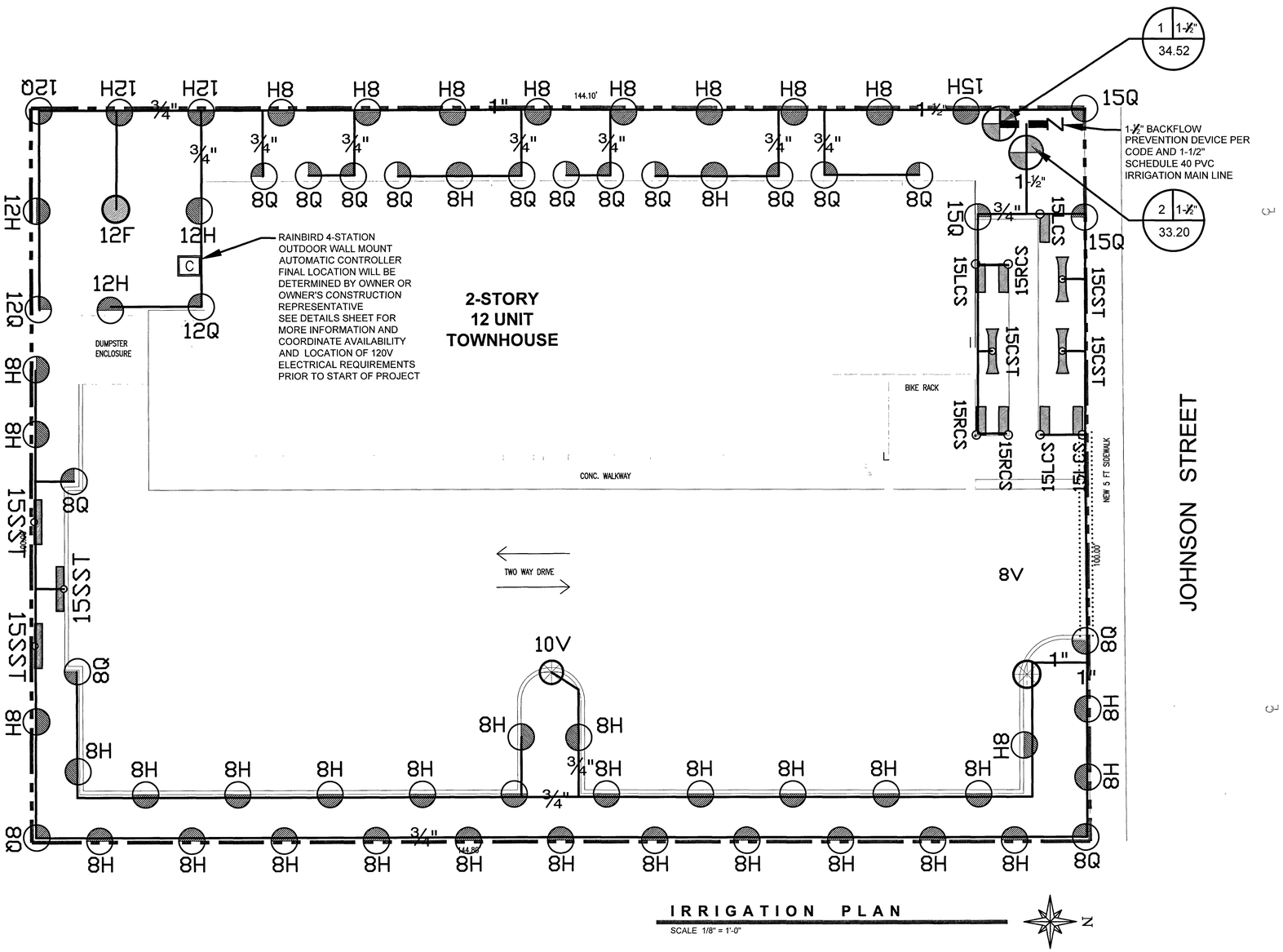
LICENSED PROFESSIONAL
WILLIAM DALE BRYANT
FL LICENSE NUMBER
LA6666943
DATE 4-16-18

PROJECT #	18-110
DATE	03-09-2018
SCALE	AS SHOWN
DESIGNED BY	WDB
DRAWN BY	WDB
CHECKED BY	WDB

12 UNIT APARTMENT BUILDING
2324 JOHNSON STREET
HOLLYWOOD, FL
BROWARD

LANDSCAPE DETAILS

SHEET NUMBER
L-201



IRRIGATION NOTES

1 CONTRACTOR TO VISIT SITE AND REVIEW PLANS PRIOR TO SUBMITTING A PROPOSAL TO OWNER CONTRACTOR SHALL VERIFY SITE AND TREE INFORMATION, AND BRING ANY DISCREPANCIES WITHIN THE PLANS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO SUBMITTING A PROPOSAL

2 THESE PLANS WERE PREPARED BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF DESIGN

3 CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES BEFORE WORK COMMENCES AND SHALL PROTECT ALL UNDERGROUND/ABOVE GROUND UTILITIES AND EXISTING CONDITIONS-TO-REMAIN DURING CONSTRUCTION

4 IRRIGATION SYSTEM WATER SOURCE WILL BE A NEW 1" IRRIGATION WATER METERED STATIC PRESSURE SOURCE SEE CIVIL DRAWINGS FOR TAP AND METER DETAILS

5 IRRIGATION CONTRACTOR TO COORDINATE WITH MEP ENGINEER AND GENERAL CONTRACTOR TO COORDINATE POWER NEEDS FOR AUTOMATIC CONTROLLER PRIOR TO PROJECT CONSTRUCTION ACTIVITIES THIS MUST BE DONE BEFORE PROJECT CONSTRUCTION BEGINS SO PROPER CALCULATIONS CAN BE DETERMINED AND PROPER INFRASTRUCTURE FOR IRRIGATION AND ELECTRICAL REQUIREMENTS ARE PROVIDED AS PART OF THE SCOPE OF THIS WORK, IRRIGATION CONTRACTOR SHALL PROVIDE SYSTEM COMPLETE AS SPECIFIED HEREIN, AND AS REQUIRED FOR PROPER PERFORMANCE TO PROVIDE 100% (HEAD-TO-HEAD) IRRIGATION COVERAGE OF ALL PERVIOUS PLANTED AREAS

6 THE SCOPE OF WORK INTENDED WHEN BIDDING ON THESE IRRIGATION PLANS IS TO PROVIDE A COMPLETE, COMPLIANT, SAFE, FULLY-OPERATIONAL, INSTALLED IRRIGATION SYSTEM ACCORDING TO THE DESIGNED IRRIGATION SYSTEM HEREIN THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL COMPONENTS, APPROVALS, AND WORKMANSHIP TO MAKE THE SYSTEM FUNCTION PROPERLY AND IN ACCORDANCE WITH REGULATING CODES

7 CONTRACTOR WILL SECURE ALL NECESSARY PERMITS PRIOR TO SYSTEM INSTALLATION

8 ALL SLEEVING SHALL BE SCHEDULE 80 PVC TO SIZE INDICATED ON PLAN, OR IF NOT INDICATED, A MIN OF 2 PIPE SIZES LARGER THAN THE SUPPLY LINE(S) CONTAINED ALL SLEEVES SHALL BE INSTALLED A MIN OF 18" BELOW FINISHED GRADE OF PAVEMENT OR AS REQUIRED BY SFWMD

9 ALL AUTOMATIC RAINBIRD VALVES SHALL BE INSTALLED IN A FIBERGLASS BOX AND SHALL BE ARRANGED FOR EASY ADJUSTMENT AND ACCESS THE FLOW ADJUSTMENT FEATURE OF EACH VALVE SHALL BE UTILIZED TO BALANCE OPERATING PRESSURES THROUGHOUT THE SYSTEM VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE AND SHALL INSURE PERCOLATION THROUGH THE BOX

10 WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS OR RESTRICTIONS REFER TO MANUFACTURER'S INSTRUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED AND SOUTH FLORIDA WATER MANAGEMENT DISTRICT REGULATIONS FOR WATERING, INCLUDING NEW LANDSCAPE INSTALLATIONS, INSTALLATIONS FROM 30-90 DAYS, AND REGULATIONS FOR ESTABLISHED LANDSCAPE PLANTING MATERIALS

12. IRRIGATION PLAN IS SCHEMATIC AND MAY SHOW COMPONENTS SUCH AS VACUUM BREAKER, MAIN LINE, ZONE VALVES AND LATERAL LINES SLIGHTLY OFF FROM ACTUAL INTENDED LOCATIONS FOR GRAPHICAL CLARITY IRRIGATION CONTRACTOR TO ADJUST TO FIELD CONDITIONS AND INACCURACIES THAT ARE INHERENT WITH DRAWINGS AT 1 20 SCALE IRRIGATION CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR ANY SUBSTANTIAL CHANGES THAT WOULD NOT CONFORM TO THE INTENT OF THE IRRIGATION PLANS NO SUBSTITUTIONS IN MANUFACTURER MATERIALS WILL BE ACCEPTED UNLESS ACCEPTED IN WRITING BY THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO ORDERING, PLANNING, OR INSTALLATION

13 ALL MAIN AND LATERAL PIPING RUNS TO HAVE SOLVENT WELD JOINTS

14 USE RAINBIRD EXP-RZX BASIC SERIES 6-STATION OUTDOOR WALL MOUNT CONTROLLER OR APPROVED EQUAL IN A WALL MOUNTABLE STAINLESS STEEL SECURABLE ENCLOSURE ATTACH A HUNTER MINI-CLIK II RAIN SENSOR DEVICE PER MANUFACTURER'S INSTRUCTIONS

15 PLAN WAS DESIGNED BASED ON ASSUMPTION OF AT LEAST 40 PSI FROM NEW WATER METER

16 MAINLINE, LATERAL LINES, ZONE VALVES AND OTHER COMPONENTS ARE SHOWN SCHEMATICALLY TO MAINTAIN GRAPHICAL CLARITY ON THIS PLAN WHERE POSSIBLE KEEP MAIN LINE CLOSE TO WALL FOOTER, CURBS, AND EDGES OF PAVEMENT TO AVOID OBSTRUCTIONS OF FUTURE ROOT SYSTEMS

17 NOT SHOWN GRAPHICALLY FOR CLARITY BUT INCLUDED IN ZONE CALCULATIONS, INCLUDE ONE BUBBLER NOZZLE FOR EACH NEW OR RELOCATED TREE ON SITE SET FLOW TO NO MORE THAN 25 GPM

18 USE RAINBIRD 1800 SERIES SPRINKLER BODIES WITH NOZZLES AS SPECIFIED SEE SHEET L-301 FOR SPRINKLER SCHEDULE

19. RUN A MINIMUM OF TWO SPARE ZONE VALVE WIRES WITH MAIN LINE IN TWO DIFFERENT DIRECTIONS FROM CONTROLLER FOR FUTURE USE AS SPARE WIRES

IRRIGATION SYMBOL LEGEND

- RAINBIRD PESB REMOTE ELECTRIC ZONE VALVE
- 1-1/2" SCHEDULE 40 PVC MAIN LINE PIPE
- SCHEDULE 200 LATERAL (CIRCUIT) PVC PIPE
- SCHEDULE 80 PVC SLEEVE PIPE (MINIMUM TWICE THE SIZE OF PIPE BEING SLEEVED)
- IRRIGATION ZONE CALLOUT (ZONE # / VALVE SIZE / GPM)
- PIPE SIZE INDICATOR (1")
- RAINBIRD ESP-RZX 4-ZONE PROGRAMMABLE CONTROLLER IN WALL MOUNT SECURABLE ENCLOSURE WITH ATTACHED RAIN SENSOR (C)

NOTE INSTALL MANUAL BALL SHUTOFF VALVE DOWNSTREAM FROM POINT OF CONNECTION AND UPSTREAM FROM EACH ZONE VALVE BALL VALVES NOT SHOWN GRAPHICALLY FOR CLARITY

No	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
WILLIAM DALE BRYANT
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12 UNIT APARTMENT BUILDING
2324 JOHNSON STREET
HOLLYWOOD, FL
BROWARD

IRRIGATION PLAN

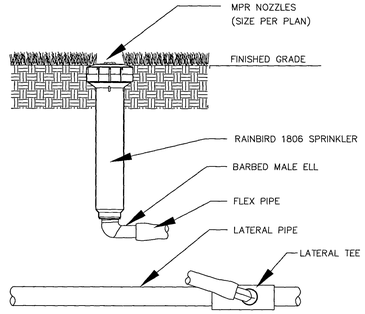
SHEET NUMBER
L-300

IRRIGATION SPRINKLER AND NOZZLE SCHEDULE

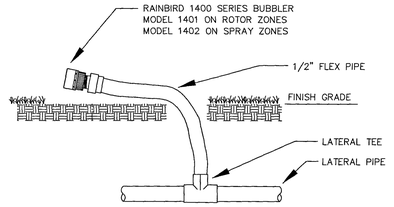
SYMBOL	DESCRIPTION	GPM	SYMBOL
5B	RAINBIRD 5H STREAM BUBBLER NOZZLE ON FLEXIBLE PIPE	1.0	5'
5Q	RAINBIRD 1806 OR 1812 PRS WITH 5Q MPR SPRAY NOZZLE	.10	5'
5H	RAINBIRD 1806 OR 1812 PRS WITH 5H MPR SPRAY NOZZLE	.20	5'
5F	RAINBIRD 1806 OR 1812 PRS WITH 5F MPR SPRAY NOZZLE	.41	5'
6V	RAINBIRD 1806 OR 1812 PRS WITH 6V VARIABLE ARC SPRAY NOZZLE	VARIES	6'
8Q	RAINBIRD 1806 OR 1812 PRS WITH 8Q MPR SPRAY NOZZLE	.26	8'
8H	RAINBIRD 1806 OR 1812 PRS WITH 8H MPR SPRAY NOZZLE	.52	8'
8F	RAINBIRD 1806 OR 1812 PRS WITH 8F MPR SPRAY NOZZLE	1.05	8'
8V	RAINBIRD 1806 OR 1812 PRS WITH 8V VARIABLE ARC SPRAY NOZZLE	VARIES	8'
10Q	RAINBIRD 1806 OR 1812 PRS WITH 10Q MPR SPRAY NOZZLE	.39	10'
10H	RAINBIRD 1806 OR 1812 PRS WITH 10H MPR SPRAY NOZZLE	.79	10'
10F	RAINBIRD 1806 OR 1812 PRS WITH 10F MPR SPRAY NOZZLE	1.58	10'
10V	RAINBIRD 1806 OR 1812 PRS WITH 10V VARIABLE ARC SPRAY NOZZLE	VARIES	10'
12Q	RAINBIRD 1806 OR 1812 PRS WITH 12Q MPR SPRAY NOZZLE	.65	12'
12T	RAINBIRD 1806 OR 1812 PRS WITH 12T MPR SPRAY NOZZLE	.87	12'
12H	RAINBIRD 1806 OR 1812 PRS WITH 12H MPR SPRAY NOZZLE	1.30	12'
12TQ	RAINBIRD 1806 OR 1812 PRS WITH 12TQ MPR SPRAY NOZZLE	1.95	12'
12F	RAINBIRD 1806 OR 1812 PRS WITH 12F MPR SPRAY NOZZLE	2.60	12'
12V	RAINBIRD 1806 OR 1812 PRS WITH 12V VARIABLE ARC SPRAY NOZZLE	VARIES	12'
15Q	RAINBIRD 1806 OR 1812 PRS WITH 15Q MPR SPRAY NOZZLE	.92	15'
15T	RAINBIRD 1806 OR 1812 PRS WITH 15T MPR SPRAY NOZZLE	1.23	15'
15H	RAINBIRD 1806 OR 1812 PRS WITH 15H MPR SPRAY NOZZLE	1.85	15'
15TQ	RAINBIRD 1806 OR 1812 PRS WITH 15TQ MPR SPRAY NOZZLE	2.78	15'
15F	RAINBIRD 1806 OR 1812 PRS WITH 15F MPR SPRAY NOZZLE	3.70	15'
15V	RAINBIRD 1806 OR 1812 PRS WITH 15V VARIABLE ARC SPRAY NOZZLE	VARIES	15'
15EST	RAINBIRD 1806 OR 1812 PRS WITH 15EST MPR STRIP SPRAY NOZZLE	.61	4'X15'
15CST	RAINBIRD 1806 OR 1812 PRS WITH 15CST MPR STRIP SPRAY NOZZLE	1.21	4'X30'
15LCS	RAINBIRD 1806 OR 1812 PRS WITH 15LCS MPR STRIP SPRAY NOZZLE	.49	4'X15'
15RCS	RAINBIRD 1806 OR 1812 PRS WITH 15RCS MPR STRIP SPRAY NOZZLE	.49	4'X15'
15SST	RAINBIRD 1806 OR 1812 PRS WITH 15SST MPR STRIP SPRAY NOZZLE	1.21	4'X30'
9SST	RAINBIRD 1806 OR 1812 PRS WITH 9SST MPR STRIP SPRAY NOZZLE	1.21	9'X18'
PDP-ADJ	HUNTER PDP-ADJ ADJUSTABLE GEAR DRIVE POP-UP ROTOR HEAD	2.5	35'
6504	RAINBIRD 6504 GEAR DRIVE POP-UP ROTOR HEAD WITH STAINLESS STEEL SHAFT	5.5	45'

IRRIGATION DETAILS

NOTE. RAINBIRD 1806 SPRINKLERS TO BE INSTALLED FOR LOW GROUNDCOVER AREAS AND ALL TURF AREAS WHERE POP-UP SPRAY HEADS ARE SPECIFIED

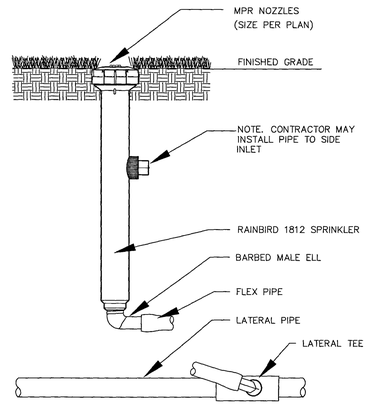


1 RAINBIRD 1806 SPRINKLER
SECTION N.T.S.

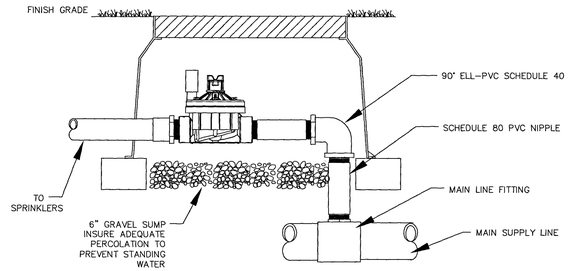


2 RAINBIRD 1400 SERIES BUBBLER
SECTION N.T.S.

NOTE RAINBIRD 1812 SPRINKLERS TO BE INSTALLED IN PLANTING BEDS CONTAINING SHRUBS AND TALL GROUNDCOVER

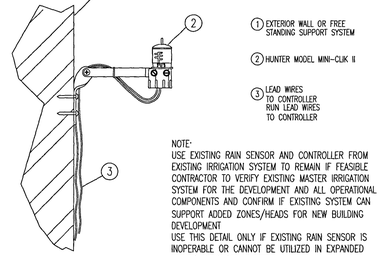


3 RAINBIRD 1812 SPRINKLER
SECTION



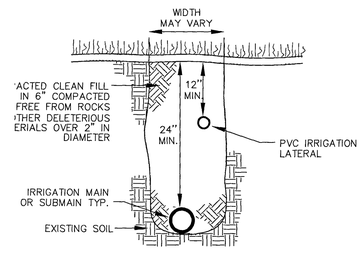
NOTE FOR REUSE, GREY WATER, LAKE/CANAL, AND WELL-PUMP SOURCES USE PESB-R SERIES VALVES FOR NON-POTABLE SOURCES USE LOCKING PURPLE COVER, PURPLE PIPE AND PURPLE HEAD COVERS

4 RAINBIRD PESB ZONE VALVE
SECTION N.T.S.

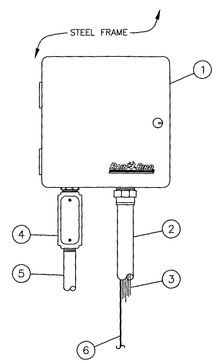


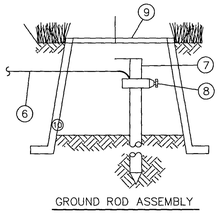
NOTE:
USE EXISTING RAIN SENSOR AND CONTROLLER FROM EXISTING IRRIGATION SYSTEM TO REMAIN IF FEASIBLE CONTRACTOR TO VERIFY EXISTING MASTER IRRIGATION SYSTEM FOR THE DEVELOPMENT AND ALL OPERATIONAL COMPONENTS AND CONFIRM IF EXISTING SYSTEM CAN SUPPORT ADDED ZONES/HEADS FOR NEW BUILDING DEVELOPMENT
USE THIS DETAIL ONLY IF EXISTING RAIN SENSOR IS INOPERABLE OR CANNOT BE UTILIZED IN EXPANDED MASTER IRRIGATION SYSTEM

5 RAIN SENSOR DISABLING DEVICE
SECTION N.T.S.



6 IRRIGATION TRENCHING DETAIL
SECTION N.T.S.





1. CONTROLLER: RAIN BIRD ESP-RZX 4-STATION CONTROLLER OUTDOOR WALL MOUNT
2. 1.5-INCH PVC SCH 40 CONDUIT AND FITTINGS
3. WIRES TO REMOTE CONTROL VALVES
4. JUNCTION BOX
5. 1-INCH PVC SCH 40 CONDUIT AND FITTINGS TO POWER SUPPLY
6. BARE COPPER WIRE (#10 AWG MIN.): CONNECT TO GROUNDING BUSS IN CONTROLLER CABINET AND ROUTE TO GROUND ROD. PATH TO GROUND ROD SHOULD BE AS STRAIGHT AS POSSIBLE.
7. 5/8-INCH X 8 FT COPPER CLAD GROUNDING ROD OR GROUNDING PLATE.
8. GROUND ROD CLAMP OR WELDS
9. COVER GROUNDING ROD WITH 10-INCH ROUND VALVE BOX AS SHOWN
10. FINISH GRADE

7 RAINBIRD PROGRAMMABLE CONTROLLER
SECTION N.T.S

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No	REVISIONS	DATE	BY

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12 UNIT APARTMENT BUILDING
2324 JOHNSON STREET
HOLLYWOOD, FL
BROWARD

IRRIGATION DETAILS

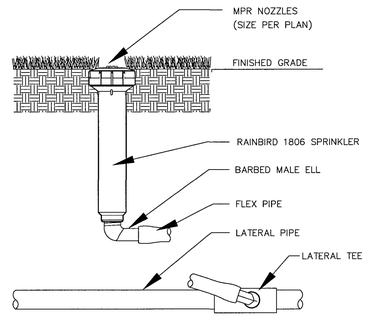
SHEET NUMBER
L-301

IRRIGATION SPRINKLER AND NOZZLE SCHEDULE

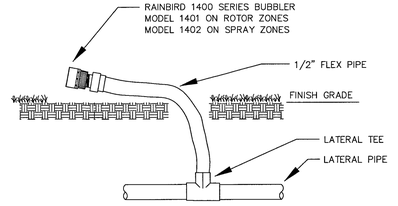
SYMBOL	DESCRIPTION	G.P.M.	SYMBOL
5B	RAINBIRD 5H STREAM BUBBLER NOZZLE ON FLEXIBLE PIPE	1.0	5'
5Q	RAINBIRD 1806 OR 1812 PRS WITH 5Q MPR SPRAY NOZZLE	.10	5'
5H	RAINBIRD 1806 OR 1812 PRS WITH 5H MPR SPRAY NOZZLE	.20	5'
5F	RAINBIRD 1806 OR 1812 PRS WITH 5F MPR SPRAY NOZZLE	.41	5'
6V	RAINBIRD 1806 OR 1812 PRS WITH 6V VARIABLE ARC SPRAY NOZZLE	VARIES	6'
8Q	RAINBIRD 1806 OR 1812 PRS WITH 8Q MPR SPRAY NOZZLE	.26	8'
8H	RAINBIRD 1806 OR 1812 PRS WITH 8H MPR SPRAY NOZZLE	.52	8'
8F	RAINBIRD 1806 OR 1812 PRS WITH 8F MPR SPRAY NOZZLE	1.05	8'
8V	RAINBIRD 1806 OR 1812 PRS WITH 8V VARIABLE ARC SPRAY NOZZLE	VARIES	8'
10Q	RAINBIRD 1806 OR 1812 PRS WITH 10Q MPR SPRAY NOZZLE	.39	10'
10H	RAINBIRD 1806 OR 1812 PRS WITH 10H MPR SPRAY NOZZLE	.79	10'
10F	RAINBIRD 1806 OR 1812 PRS WITH 10F MPR SPRAY NOZZLE	1.58	10'
10V	RAINBIRD 1806 OR 1812 PRS WITH 10V VARIABLE ARC SPRAY NOZZLE	VARIES	10'
12Q	RAINBIRD 1806 OR 1812 PRS WITH 12Q MPR SPRAY NOZZLE	.65	12'
12T	RAINBIRD 1806 OR 1812 PRS WITH 12T MPR SPRAY NOZZLE	.87	12'
12H	RAINBIRD 1806 OR 1812 PRS WITH 12H MPR SPRAY NOZZLE	1.30	12'
12TQ	RAINBIRD 1806 OR 1812 PRS WITH 12TQ MPR SPRAY NOZZLE	1.95	12'
12F	RAINBIRD 1806 OR 1812 PRS WITH 12F MPR SPRAY NOZZLE	2.60	12'
12V	RAINBIRD 1806 OR 1812 PRS WITH 12V VARIABLE ARC SPRAY NOZZLE	VARIES	12'
15Q	RAINBIRD 1806 OR 1812 PRS WITH 15Q MPR SPRAY NOZZLE	.92	15'
15T	RAINBIRD 1806 OR 1812 PRS WITH 15T MPR SPRAY NOZZLE	1.23	15'
15H	RAINBIRD 1806 OR 1812 PRS WITH 15H MPR SPRAY NOZZLE	1.85	15'
15TQ	RAINBIRD 1806 OR 1812 PRS WITH 15TQ MPR SPRAY NOZZLE	2.78	15'
15F	RAINBIRD 1806 OR 1812 PRS WITH 15F MPR SPRAY NOZZLE	3.70	15'
15V	RAINBIRD 1806 OR 1812 PRS WITH 15V VARIABLE ARC SPRAY NOZZLE	VARIES	15'
15EST	RAINBIRD 1806 OR 1812 PRS WITH 15EST MPR STRIP SPRAY NOZZLE	.61	4'X15'
15CST	RAINBIRD 1806 OR 1812 PRS WITH 15CST MPR STRIP SPRAY NOZZLE	1.21	4'X30'
15LCS	RAINBIRD 1806 OR 1812 PRS WITH 15LCS MPR STRIP SPRAY NOZZLE	.49	4'X15'
15RCS	RAINBIRD 1806 OR 1812 PRS WITH 15RCS MPR STRIP SPRAY NOZZLE	.49	4'X15'
15SST	RAINBIRD 1806 OR 1812 PRS WITH 15SST MPR STRIP SPRAY NOZZLE	1.21	4'X30'
9SST	RAINBIRD 1806 OR 1812 PRS WITH 9SST MPR STRIP SPRAY NOZZLE	1.21	9'X18'
PDP-ADJ	HUNTER PDP-ADJ ADJUSTABLE GEAR DRIVE POP-UP ROTOR HEAD	2.5	35'
6504	RAINBIRD 6504 GEAR DRIVE POP-UP ROTOR HEAD WITH STAINLESS STEEL SHAFT	5.5	45'

IRRIGATION DETAILS

NOTE: RAINBIRD 1806 SPRINKLERS TO BE INSTALLED FOR LOW GROUNDCOVER AREAS AND ALL TURF AREAS WHERE POP-UP SPRAY HEADS ARE SPECIFIED

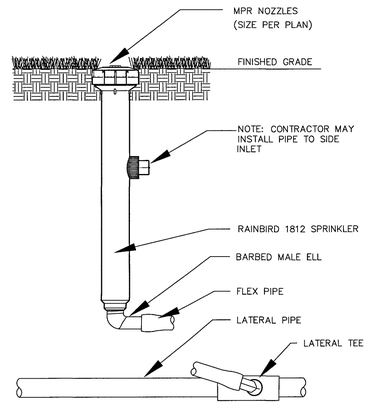


1 RAINBIRD 1806 SPRINKLER
SECTION N.T.S.

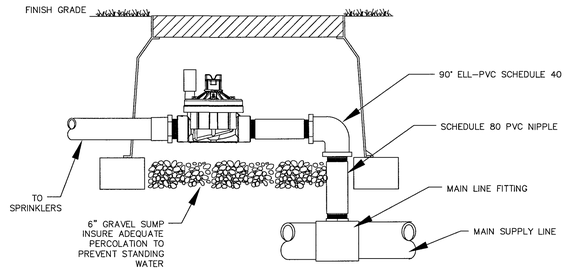


2 RAINBIRD 1400 SERIES BUBBLER
SECTION N.T.S.

NOTE: RAINBIRD 1812 SPRINKLERS TO BE INSTALLED IN PLANTING BEDS CONTAINING SHRUBS AND TALL GROUNDCOVER

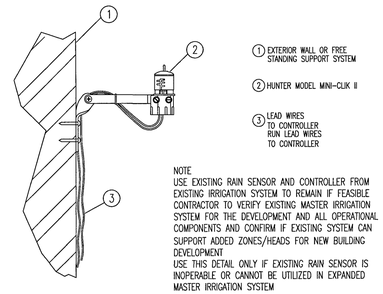


3 RAINBIRD 1812 SPRINKLER
SECTION



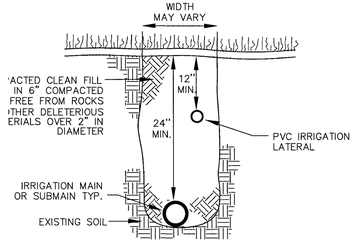
NOTE FOR REUSE, GREY WATER, LAKE/CANAL, AND WELL-PUMP SOURCES USE PESB-R SERIES VALVES
FOR NON-POTABLE SOURCES USE LOCKING PURPLE COVER, PURPLE PIPE AND PURPLE HEAD COVERS

4 RAINBIRD PESB ZONE VALVE
SECTION N.T S

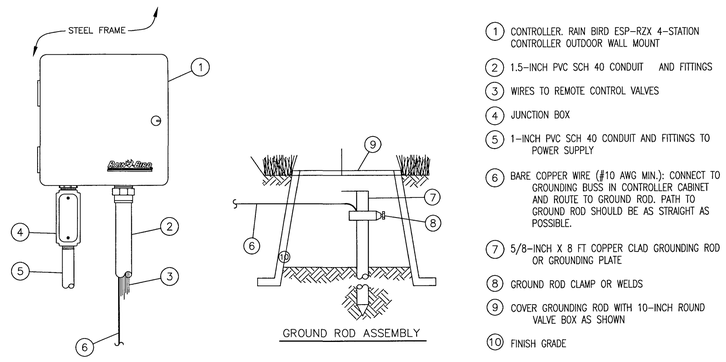


NOTE
USE EXISTING RAIN SENSOR AND CONTROLLER FROM EXISTING IRRIGATION SYSTEM TO REMAIN IF FEASIBLE CONTRACTOR TO VERIFY EXISTING MASTER IRRIGATION SYSTEM FOR THE DEVELOPMENT AND ALL OPERATIONAL COMPONENTS AND CONFIRM IF EXISTING SYSTEM CAN SUPPORT ADDED ZONES/HEADS FOR NEW BUILDING DEVELOPMENT
USE THIS DETAIL ONLY IF EXISTING RAIN SENSOR IS INOPERABLE OR CANNOT BE UTILIZED IN EXPANDED MASTER IRRIGATION SYSTEM

5 RAIN SENSOR DISABLING DEVICE
SECTION N.T.S.



6 IRRIGATION TRENCHING DETAIL
SECTION N.T S



1. CONTROLLER, RAIN BIRD ESP-RZX 4-STATION CONTROLLER OUTDOOR WALL MOUNT
2. 1.5-INCH PVC SCH 40 CONDUIT AND FITTINGS
3. WIRES TO REMOTE CONTROL VALVES
4. JUNCTION BOX
5. 1-INCH PVC SCH 40 CONDUIT AND FITTINGS TO POWER SUPPLY
6. BARE COPPER WIRE (#10 AWG MIN.): CONNECT TO GROUNDING BUSS IN CONTROLLER CABINET AND ROUTE TO GROUND ROD. PATH TO GROUND ROD SHOULD BE AS STRAIGHT AS POSSIBLE.
7. 5/8-INCH X 8 FT COPPER CLAD GROUNDING ROD OR GROUNDING PLATE
8. GROUND ROD CLAMP OR WELDS
9. COVER GROUNDING ROD WITH 10-INCH ROUND VALVE BOX AS SHOWN
10. FINISH GRADE

7 RAINBIRD PROGRAMMABLE CONTROLLER
SECTION N.T.S

No.	REVISIONS	DATE	BY

GREEN EARTH
LANDSCAPE ARCHITECTURE
HOLLYWOOD, FLORIDA
E-MAIL dale.bryant@greenearthla.com PHONE 954-636-3925

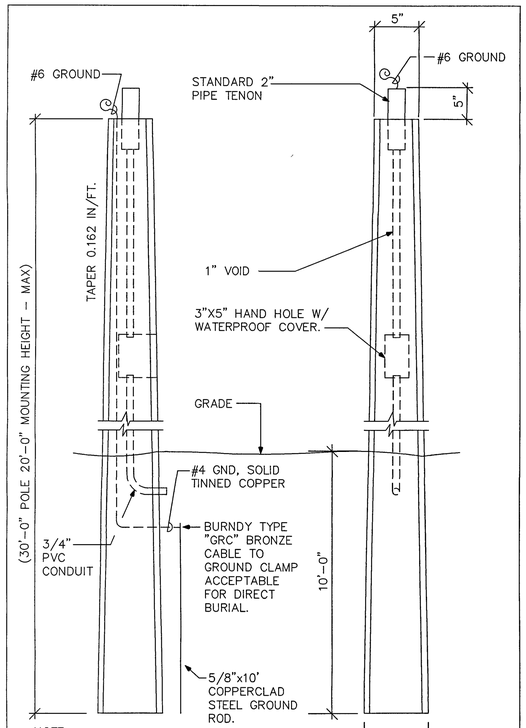
LICENSED PROFESSIONAL
WILLIAM DALE BRYANT
FL LICENSE NUMBER
LA6666943
4-16-18
DATE

PROJECT #	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
18-110	03-09-2018	AS SHOWN	WDB	WDB	WDB

12 UNIT APARTMENT BUILDING
2324 JOHNSON STREET
HOLLYWOOD, FL
BROWARD

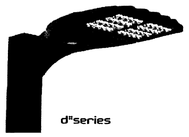
IRRIGATION DETAILS

SHEET NUMBER
L-301

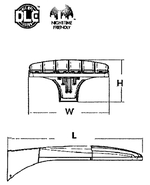


NOTE:
THE POLE SUPPLIER SHALL CERTIFY THAT POLE WITH FIXTURE AS SPECIFIED WILL MEET 180 MPH WIND LOAD CRITERIA. PROVIDE SIGNED & SEALED CALCULATIONS BY A REGISTERED FLORIDA ENGINEER

POLE DETAIL
NOT TO SCALE



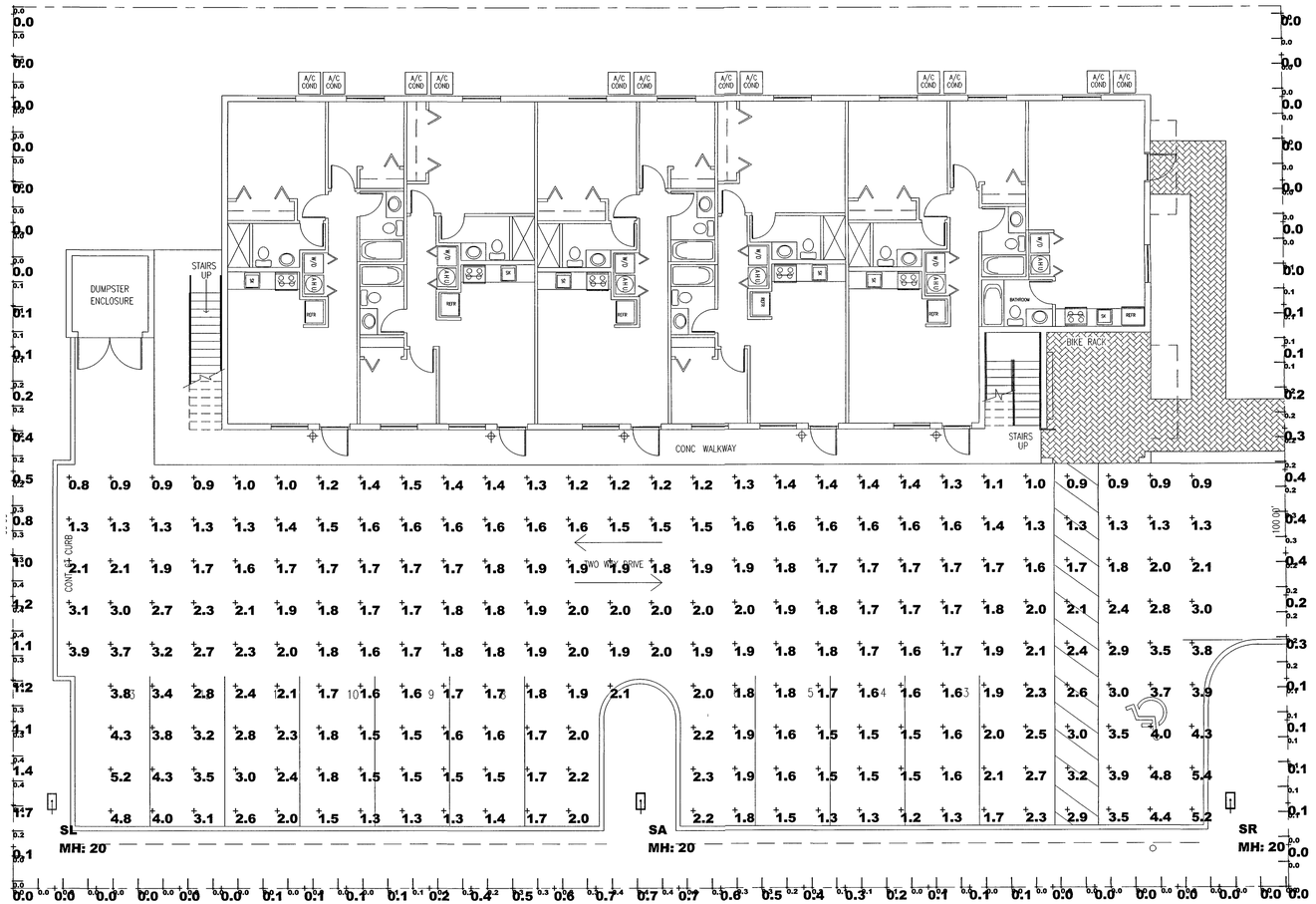
D-Series
Size 0
LED Area Luminaire



d^n series

Specifications

EPA:	0.95 ft² (.09 m²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



PHOTOMETRIC PLAN
SCALE: 1/8" = 1'-0"

N

Calculation Summary

Project: 12 UNITS APARTMENTS - SITE HOLLYWOOD, FL 03/13/2018

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT	Illuminance	Fc	2.01	5.4	0.8	2.51	6.75
PROPERTY LINE EAST (Horizontal)	Illuminance	Fc	0.21	0.7	0.0	N.A.	N.A.
PROPERTY LINE EAST (Vertical)	Illuminance	Fc	0.10	0.4	0.0	N.A.	N.A.
PROPERTY LINE NORTH (Horizontal)	Illuminance	Fc	0.13	0.4	0.0	N.A.	N.A.
PROPERTY LINE NORTH (Vertical)	Illuminance	Fc	0.10	0.3	0.0	N.A.	N.A.
PROPERTY LINE SOUTH (Horizontal)	Illuminance	Fc	0.50	1.7	0.0	N.A.	N.A.
PROPERTY LINE SOUTH (Vertical)	Illuminance	Fc	0.17	0.4	0.0	N.A.	N.A.

Luminaire Schedule

Project: 12 UNITS APARTMENTS - SITE HOLLYWOOD, FL 03/13/2018

Symbol	Qty	Label	Arrangement	Manufacturer	Description	Lumens/Lamp	LLF	Lum. Watts
	1	SA	SINGLE	Lithonia Lighting	DSX0 LED P3 40K TFTM MVOLT HS MH: 20' POLE MOUNT A.F.G.	N.A.	0.903	71
	1	SL	SINGLE	Lithonia Lighting	DSX0 LED P4 40K LCCO MVOLT MH: 20' POLE MOUNT A.F.G.	N.A.	0.903	92
	1	SR	SINGLE	Lithonia Lighting	DSX0 LED P4 40K RCCO MVOLT MH: 20' POLE MOUNT A.F.G.	N.A.	0.903	92

NO.	DATE	REVISION

12 UNITS APARTMENTS
2324 JOHNSON STREET
HOLLYWOOD , FLORIDA

Miguel de Diego
ARCHITECT P.A.
AA-26001641
1657 TYLER STREET SUITE 107 HOLLYWOOD, FLORIDA 33020
PH. (954) 926-3358 FAX (954) 926-2021

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, NOTES AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK

MAURICE RYAN LORD LICENSE No. 72550 STATE OF FLORIDA PROFESSIONAL ENGINEER
MAR 1 5 2018

BUCHANAN P.E. CONSULTING INC.
ELECTRICAL * MECHANICAL * PLUMBING
ENGINEERING
6191 W. ATLANTIC BLVD, SUITE# 2 MARGATE, FL 33063
Ph: 954-590-3300 Fax: 954-590-2232
Email: BUCHANAN@MEPENGINEERS.COM
CERTIFICATE OF AUTHORIZATION # 8842
☐ RAJA BUCHANAN P.E # 48916 ☐ MAURICE LORD P.E # 72550

CHECKED
DRAWN
DATE 3-9-2018
COMM. NO 17-198

PH 1