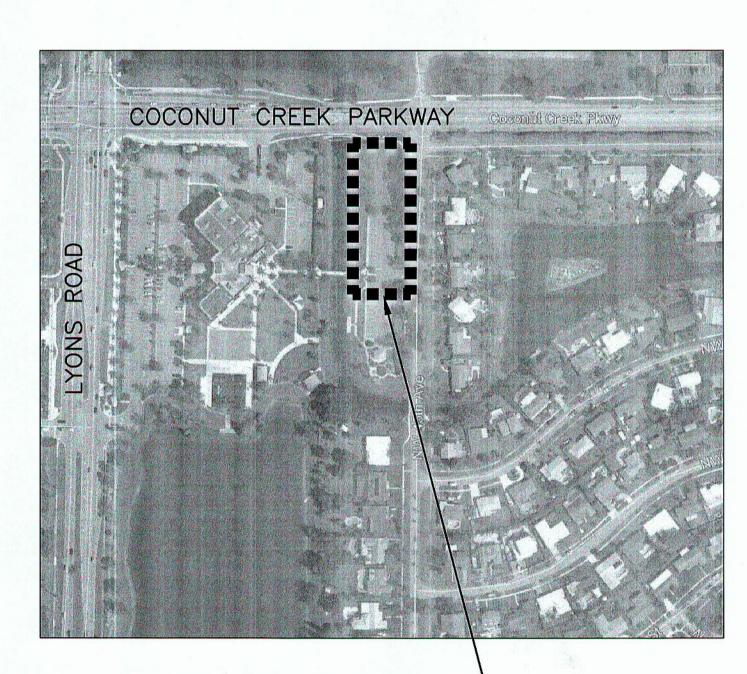


New Fire Station #50 Coconut Creek, Florida SITE SUBMITTAL SET February 7, 2014

Anticipated Project Start Time = FALL 2014 Anticipated Project Completion Time = FALL 2015



Perspective View



SITE LOCATION

Location Plan



&ASSOCIATES

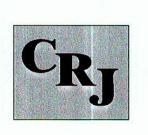
500 West Cypress Creek Road • Suite 630 Fort Lauderdale, FL • 33309 (954) 730-0707 www.chenmoore.com

CERTIFICATES OF AUTHORIZATION EB0004593 LC26000425



ARCHITECTS, INC.

4316 WEST BROWARD BOULEVARD PLANTATION, FLORIDA 33317 PHONE: (954) 792-8525 FAX: (954) 337-0359 AA #26000685 WWW.CPZARCHITECTS.COM



CRJ & Associates, Inc.

Consulting Engineers and Planners
Florida Authorization # 0008245
2699 Stirling Rood, Suite B-201, Ft.Lauderdale, Florida 33312
Tel. (954) 239-4330 - Fax. (954) 239-4331



1407 West Newport Center Drive Deerfield, Florida 33442 Phone 954.949.2200 Fax 954.949.2201 engineering@kammconsulting.com Certification of Authorization #1689

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SP-2 Phasing Plan
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CHRIS P. ZIMMERMAN, A.I.A.
REGISTERED ARCHITECT NO. 10,995
STATE OF FLORIDA

DATE: 4-20-124

NO. REVISION DATE

SITE SUBMITTAL 2-7-2014

DRC COMMENTS 3-17-14

DRC COMM#2 4-17-14

CONSULTANT:

. . . .

W 45 AVE.
EEK PARKWAY

2 COCONUT CREEK PAI COCONUT CREEK, FI

NW 45 AVE. & COCONI

PROPOSED NEW FIRE

ARCHITECTS, INC.

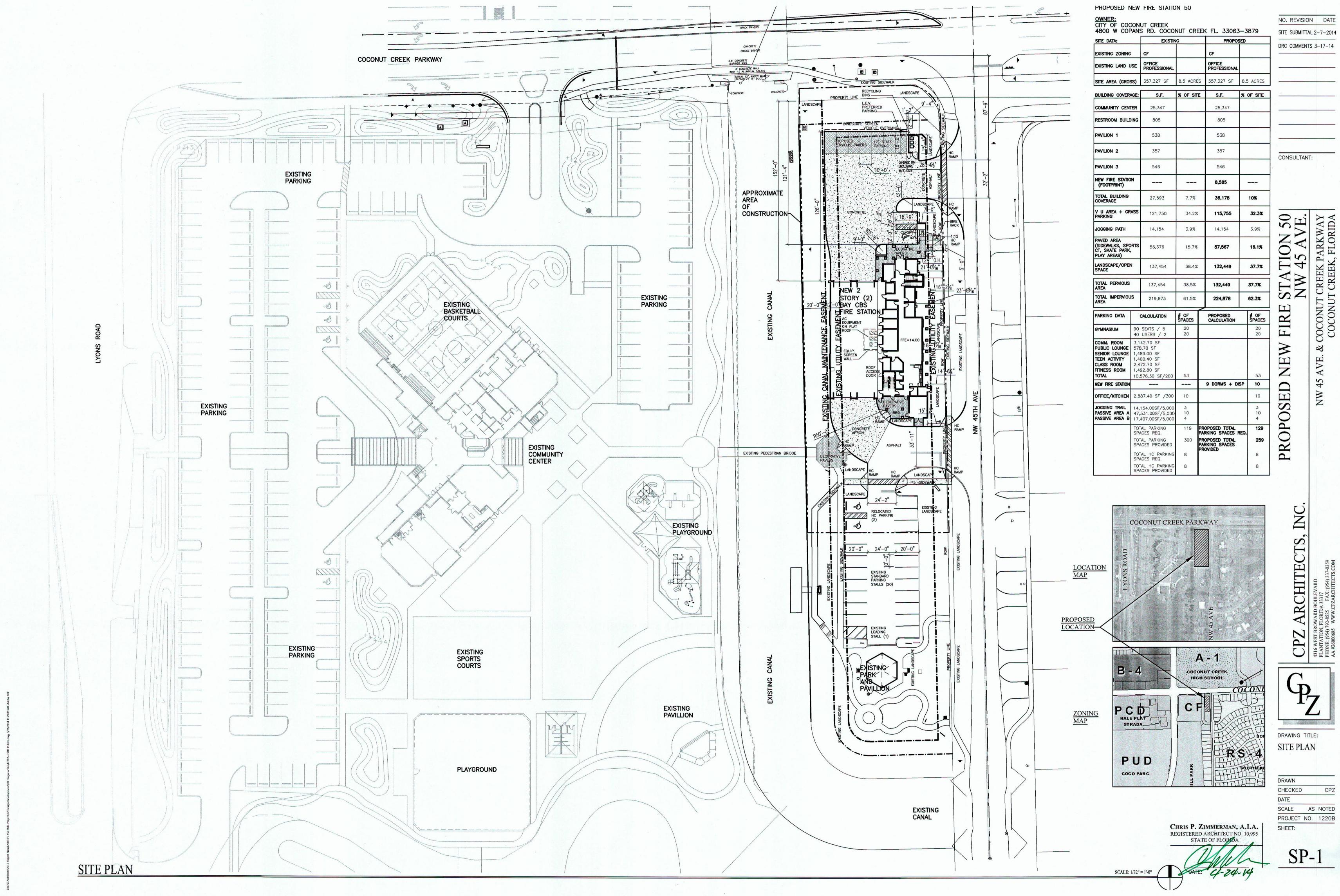
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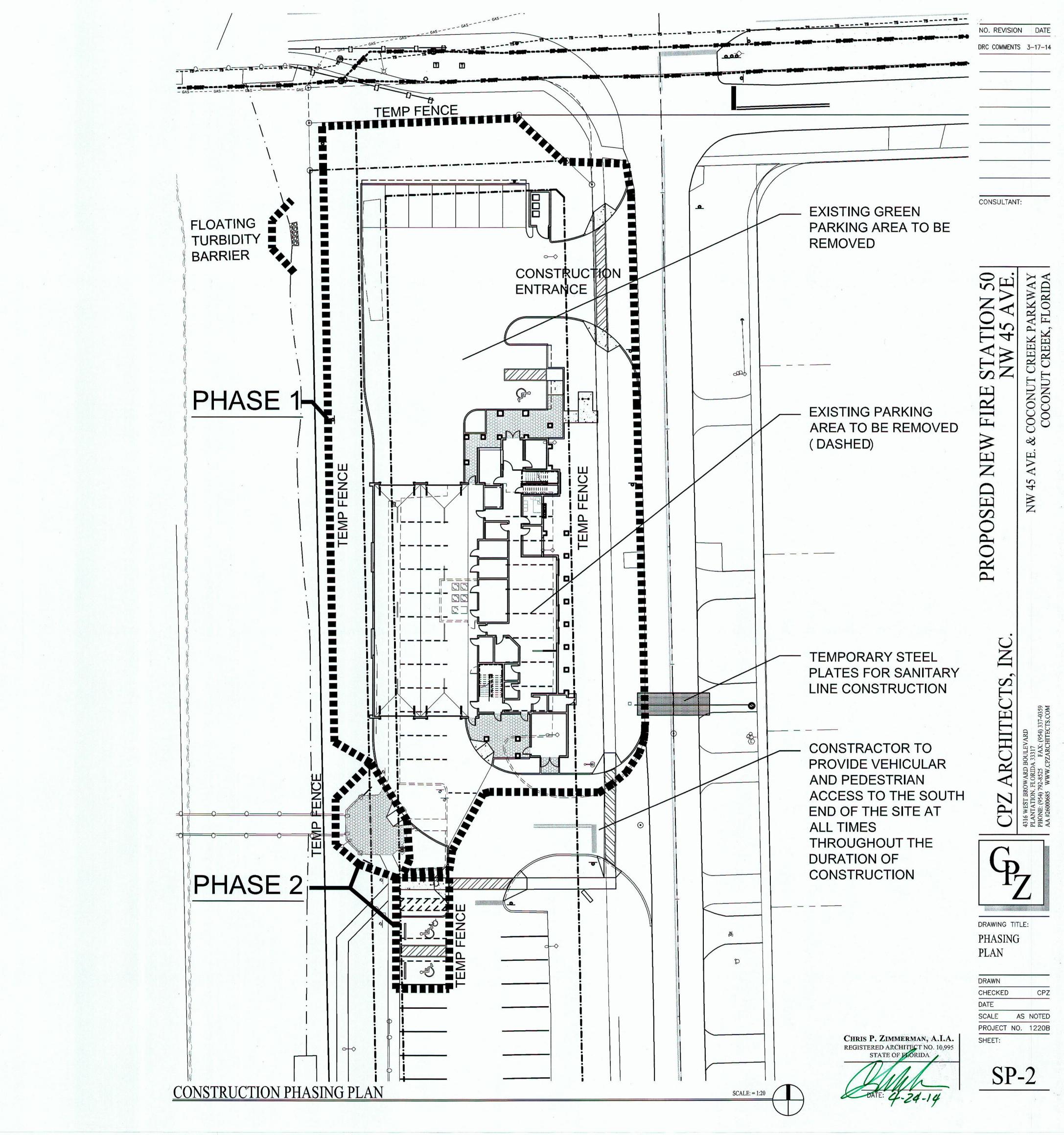
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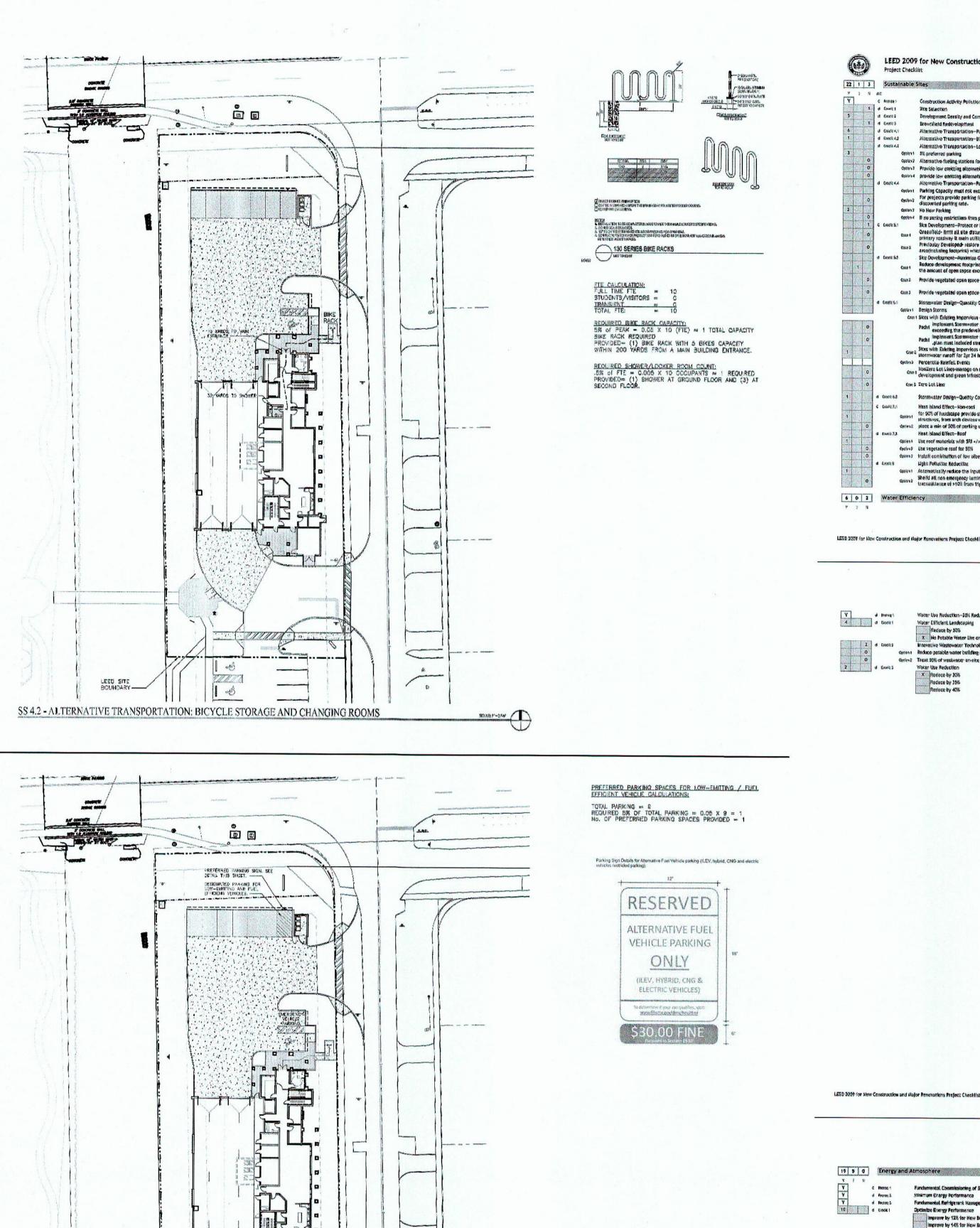
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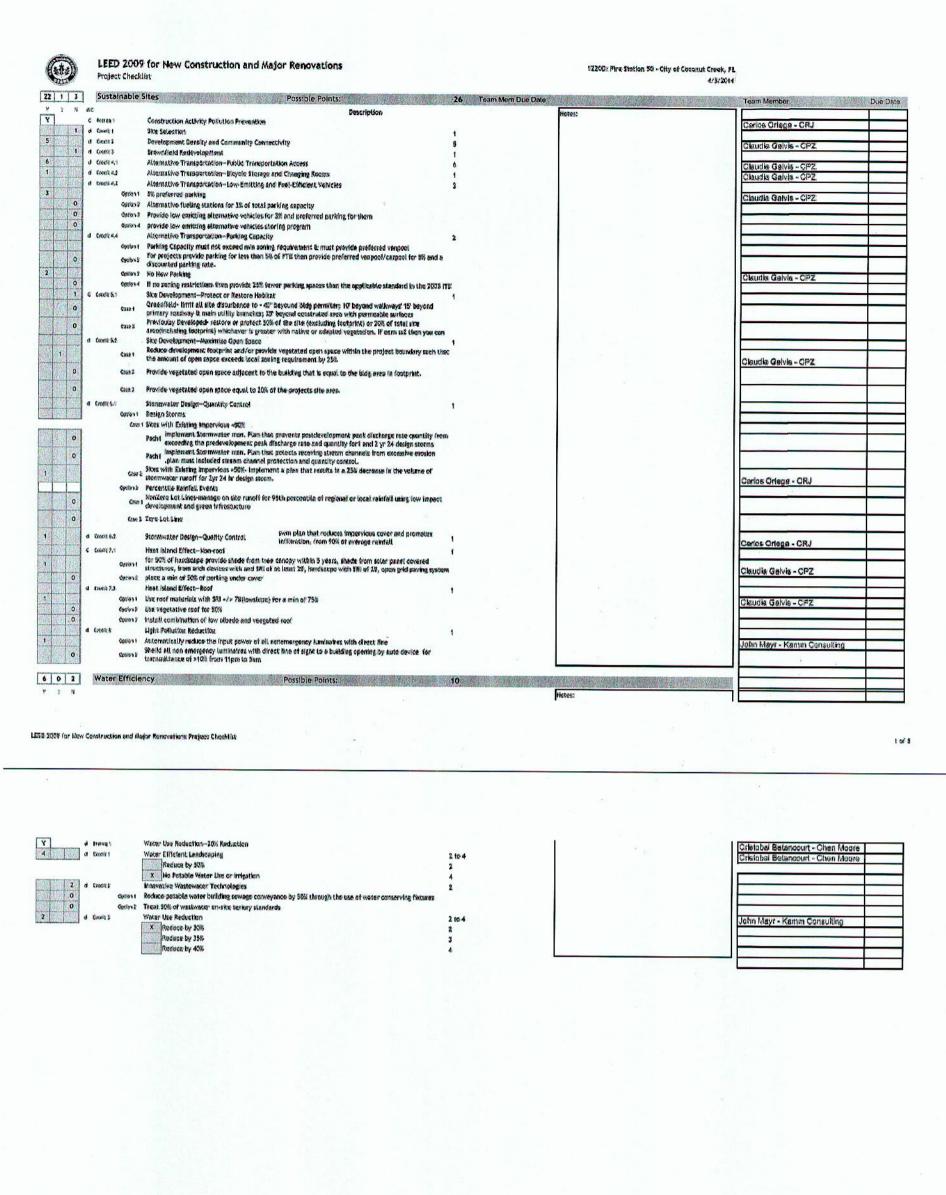


CPZ





SS 4.3 - ALTERNATIVE TRANSPORTATION: LOW EMITTING AND FUEL EFFICIENT VEHICLES



Minimum Energy Performance Optimize Energy Performance

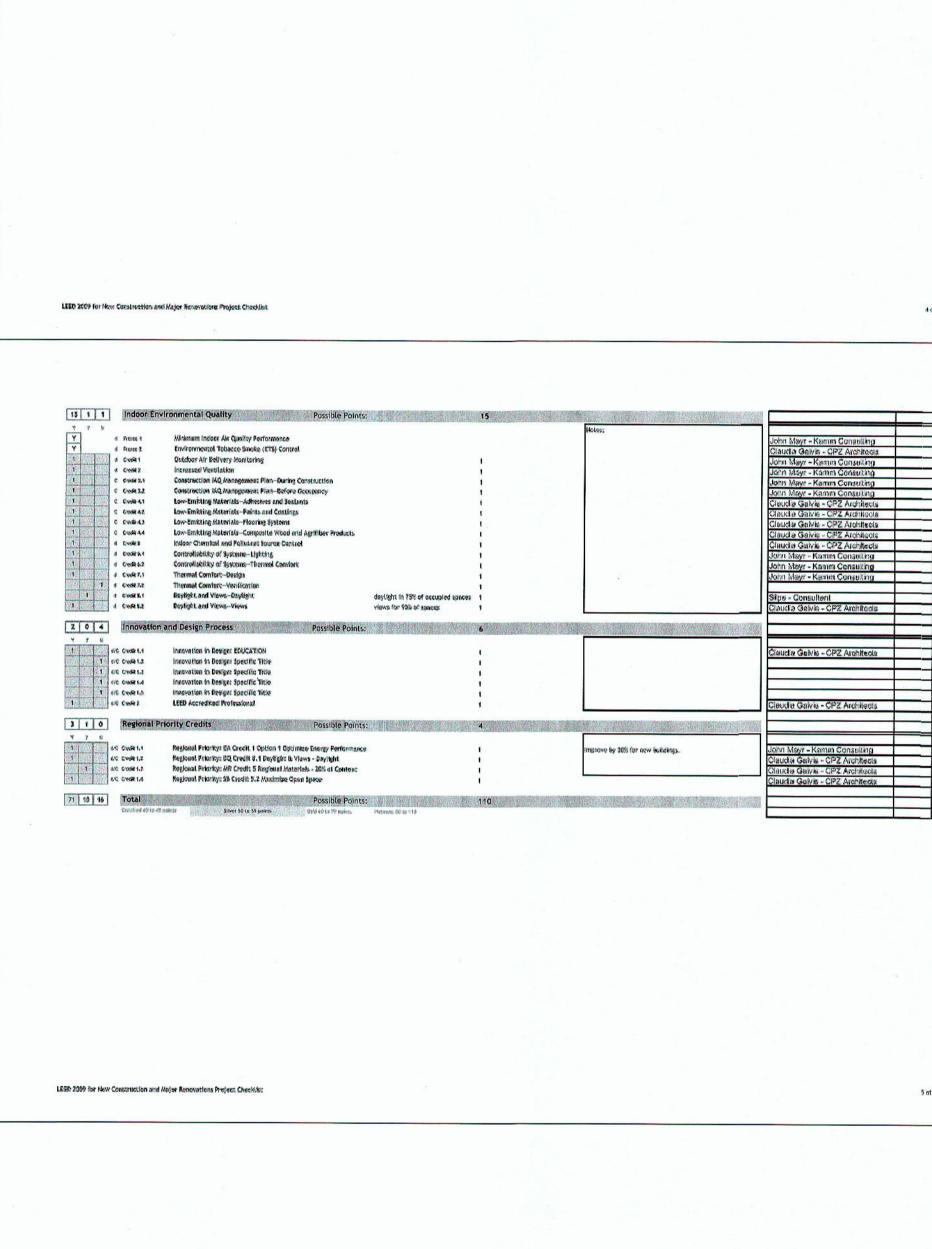
3% Renewable Energy 5% Renewable Energy

12% Renewable Breng Entanced Commissioning

Measurement and Verification

improve by 12% for New Buildings or SK for Existing Suitching Recoystices. improve by 14% for New Buildings or 10% for Existing Building Renovation improve by 14% for New Bulkings or 12% for Existing Building Renovations improve by 18% for New Buildings or 14% for Existing Building Renovations improve by 20% for New Buildings or 16% for Existing Building Resovation Improve by 24% for New Bulkings or 20% for Existing Building Renovati Improve by 25% for New Buildings or 22% for Existing Building Renovations Increve by 30% for New Buildings or 26% for Extering Building Renovation improve by 32% for New Bulldings or 28% for Exicting Building Renovations. improve by 34% for New Buildings or 35% for Existing Building Renova Improve by 36% for New Buildings or 22% for Existing Building Renovations Improve by 40% for New Buildings or 36% for Existing Building Respyction Improve by 44% for New Buildings or 45% for Existing Building Renov

improve by 46% for New Bulkings or 42% for Existing Building Renovations. improve by 48%- for New Buildings or 44%- for Existing Building Renovations



Building Rouse-Maintein Existing Walls, Picors, and Roof

Construction Waste Mannesment

X 20% of Contest

legional Materials 20% of Materials

2 C Credit I

2 C Green 4

2 C Cruset

50% Recycled or Salvaged

the existing building interior element

Divorci construction and demolition debris from length

use satraged, returbished or seused 1 to 2 motoriols for at least 9% of construction costs

NO. REVISION DATE

DRC COMMENTS 3-17-14

DRC COMM#2 4-17-14

CONSULTANT:

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PROPO

DRAWING TITLE: **PROPOSED**

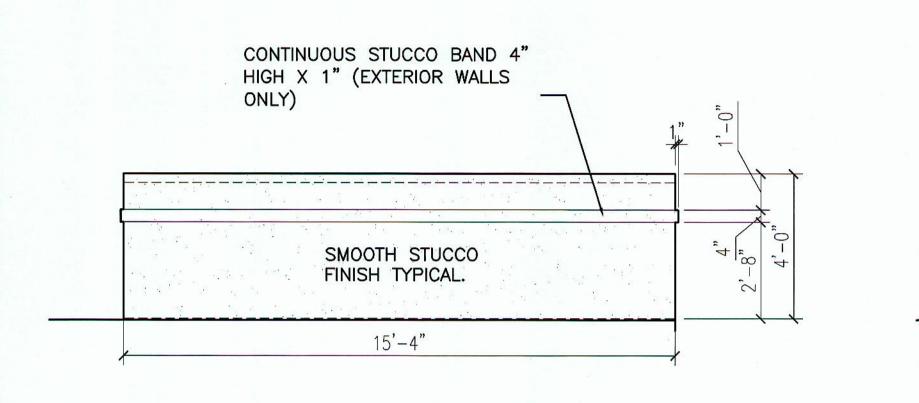
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CHECKED CPZ DATE

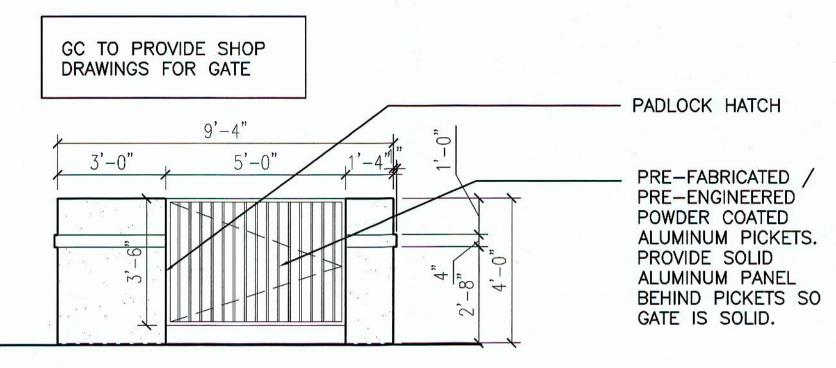
SCALE AS NOTED PROJECT NO. 1220B SHEET:

CHRIS P. ZIMMERMAN, A.I.A.

REGISTERED ARCHITECT NO. 10,995



SCALE: 3/8" = 1'-0"



TYPICAL DUMPSTER ELEVATIONS

SCALE: 3/8" = 1'-0"

NO. REVISION DATE

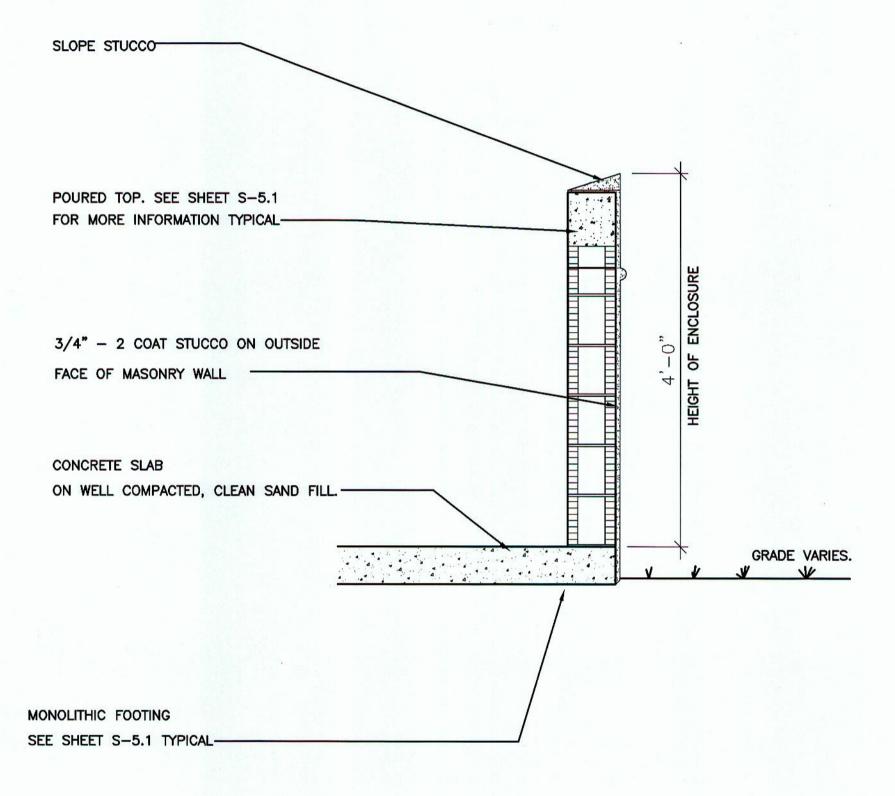
SITE SUBMITTAL 2-7-2014

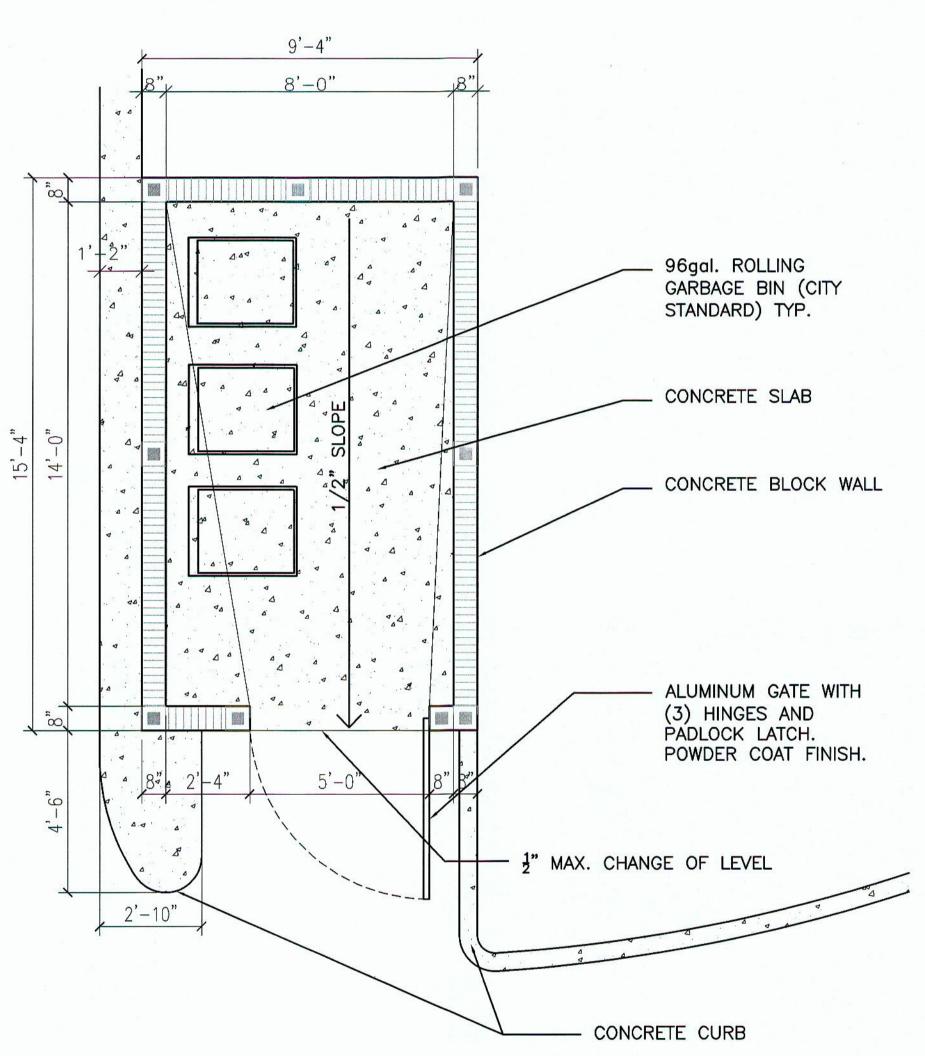
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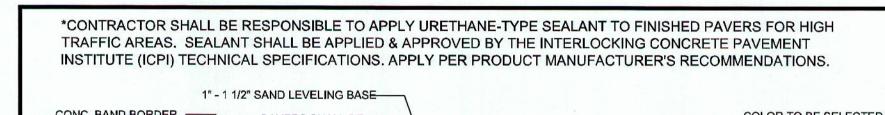
FIRE

NEW

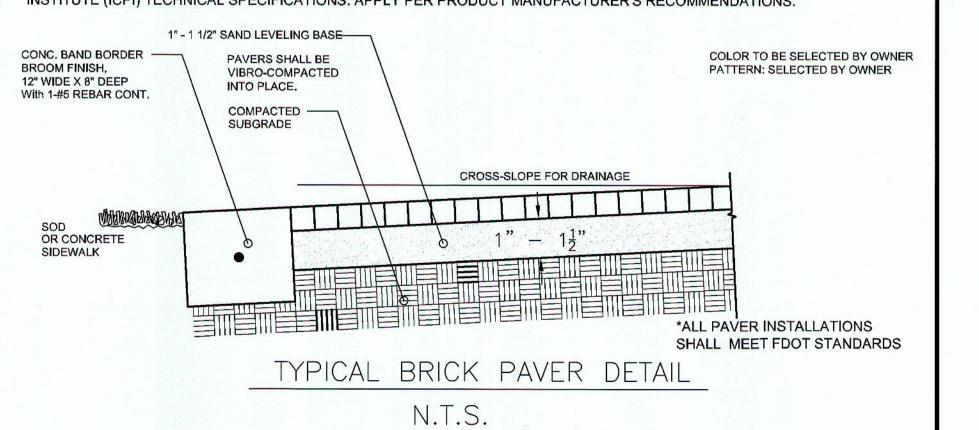
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TYPICAL DUMPSTER WALL SECTION





DRAWING TITLE:

SCALE: 3/8" = 1'-0"

CHRIS P. ZIMMERMAN, A.I.A.
REGISTERED ARCHITECT NO. 10,995
STATE OF FLORIDA

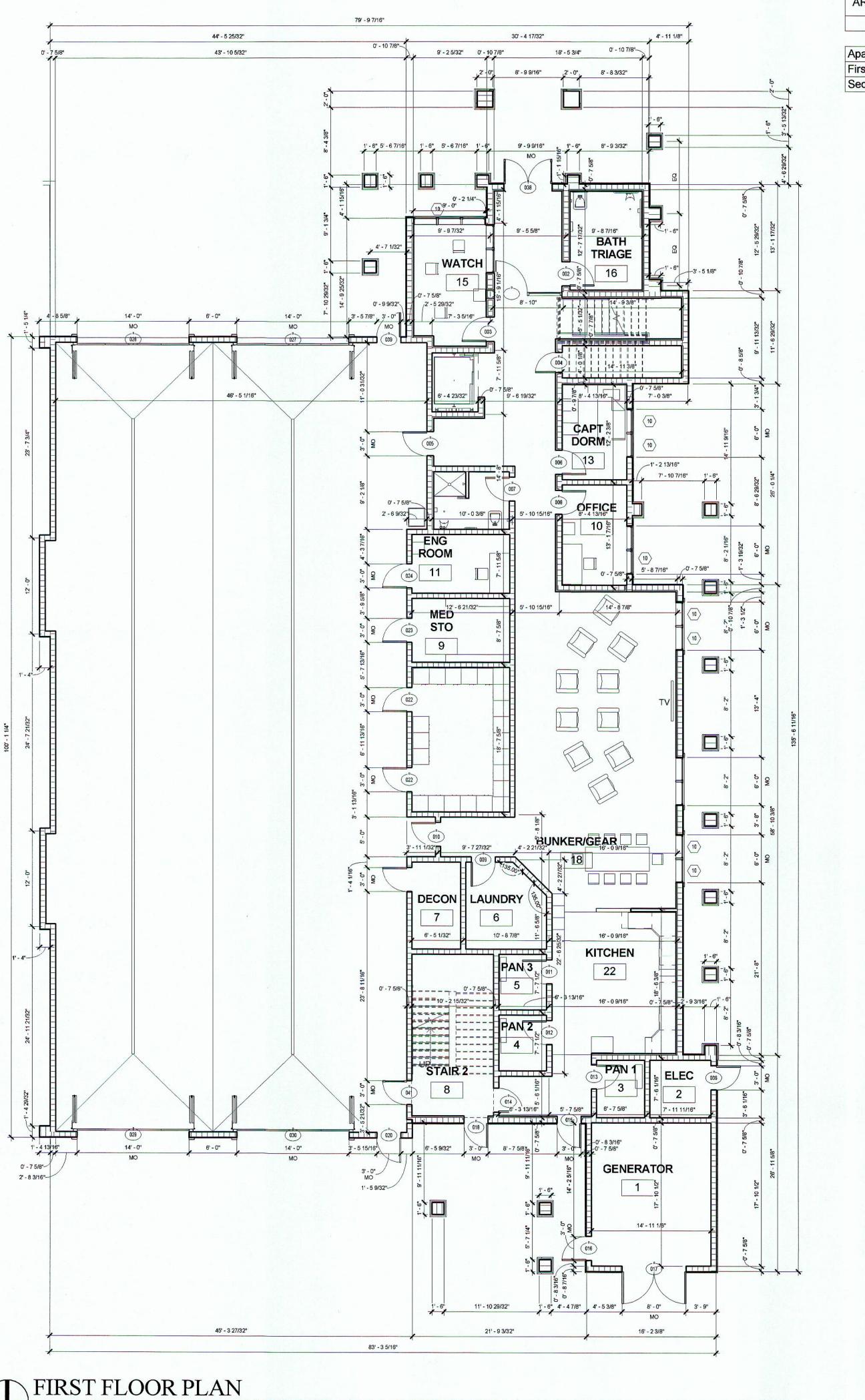
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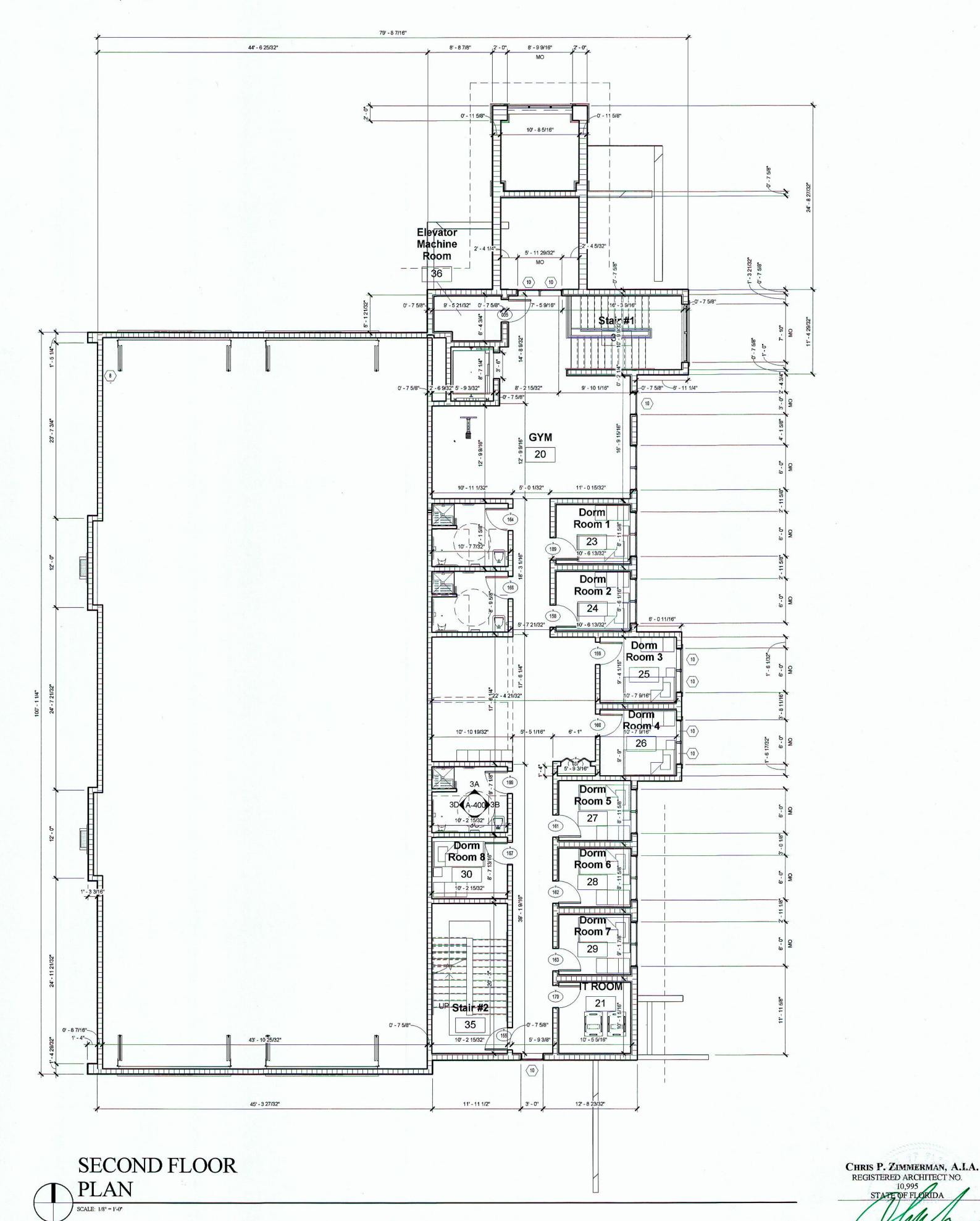
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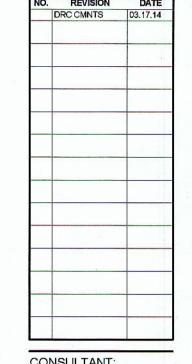
SP-4



AREA SCHEDULE (GROSS BUILDING) Level Area

Aparatus Bay LEVEL 1 4,013 SF LEVEL 1 4,495 SF First Floor Second Floor LEVEL 2 3,129 SF 11,636 SF





CONSULTANT:

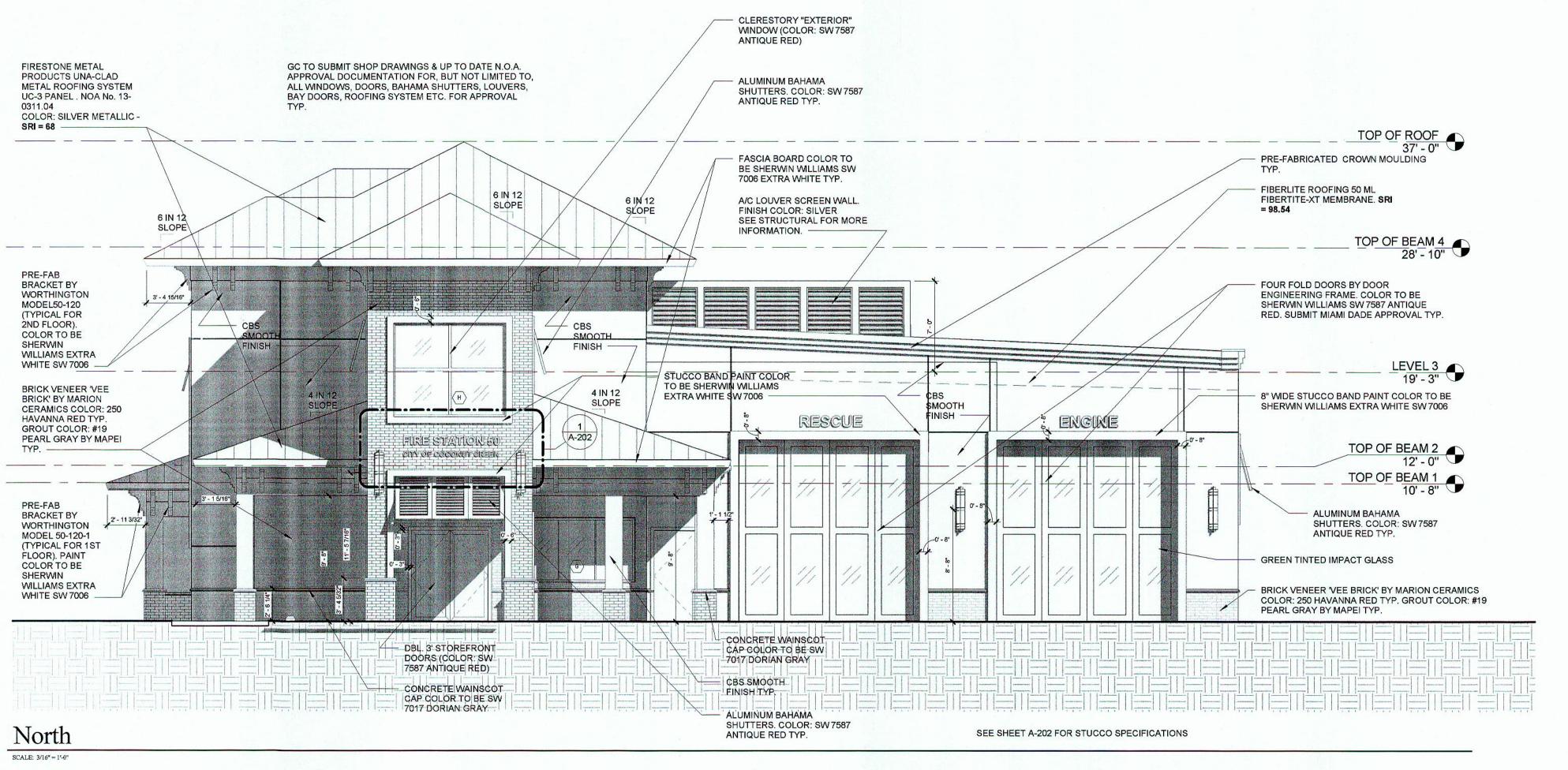


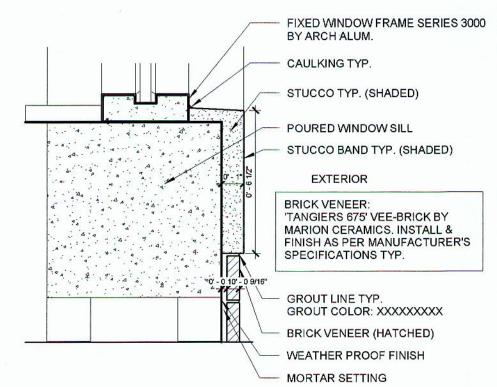
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First & Second Floor

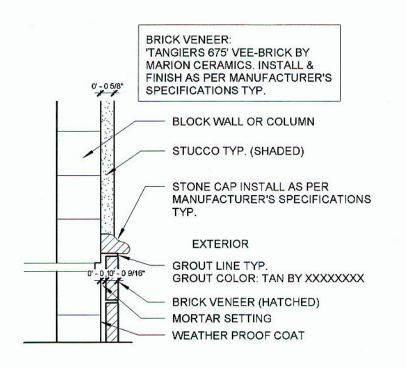
CHECKED: Checker DATE: 12-26-2013 SCALE: 1/8" = 1'-0" PROJECT NO. 1220D

A-000

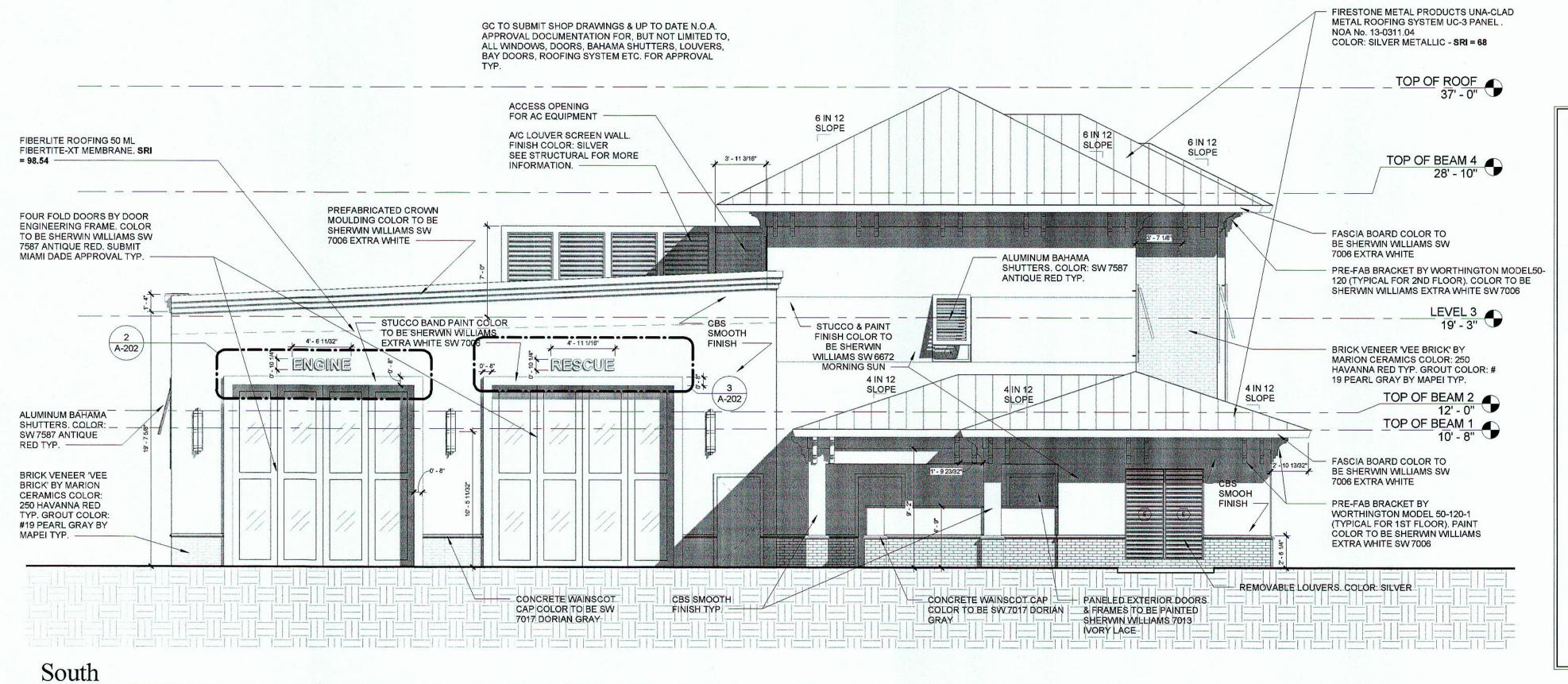




STUCCO BAND WINDOW DETAIL



STONE CAP DETAIL



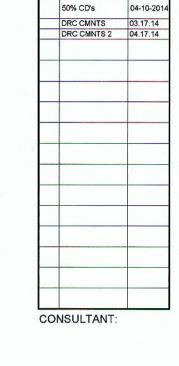
PAINT SPECIFICATION

- PART 3.0 EXTERIOR PAINT SCHEDULE
- A. CONCRETE, STUCCO, AND CEMENT PLASTER:
- 1. 100% ACRYLIC COATING:
- A. PRIMER: APPLY SHERWIN WILLIAMS LOXON ACRYLIC PRIMER (A24W300) AT A WET FILM THICKNESS OF 8 MILS TO DRY TO 3.2 MILS DRY FILM THICKNESS.
- B. FIRST COAT: APPLY SHERWIN WILLIAMS SUPERPAINT EXTERIOR LATEX SATIN (A89 SERIES) AT A WET FILM THICKNESS OF 4 MILS TO DRY TO 1.44 MILS DRY FILM THICKNESS.
- C. SECOND COAT: APPLY SHERWIN WILLIAMS SUPERPAINT EXTERIOR LATEX SATIN (A89 SERIES) AT A WET FILM THICKNESS OF 4 MILS TO DRY TO 1.44 MILS DRY FILM THICKNESS.
- B. CMU BLOCK
- 1. 100% ACRYLIC COATING:
- A. BLOCK FILLER: APPLY SHERWIN WILLIAMS HEAVY DUTY LATEX BLOCK FILLER (B42W46) AT A WET FILM THICKNESS OF 18-34 MILS TO DRY TO 10-18 MILS DRY FILM THICKNESS, AT AN EFFECTIVE APPLICATION RATE OF APPROXIMATELY 50-88 SF/GAL.

 B. FIRST FINISH COAT: APPLY SHERWIN WILLIAMS SUPERPAINT EXTERIOR LATEX SATIN (A89 SERIES AT A WET FILM THICKNESS OF 4 MILS TO DRY TO 1.44 MILSDRY
- C. SECOND FINISH COAT: APPLY SHERWIN WILLIAMS SUPERPAINT EXTERIOR LATEX SATIN (A89 SERIES) AT A WET FILM THICKNESS OF 4 MILSTO DRY TO 1.44 MILS DRY FILM THICKNESS.
- THICKNESS.
- C. FERROUS METALS:

FILM THICKNESS.

- 1. FULL GLOSS:
- A. PRIMER: APPLY SHERWIN WILLIAMS PRO-CRYL UNIVERSAL PRIMER, (B66-310 SERIES), APPLIED AT 5.0-10.0 MILS WET TO ACHIEVE 2.0-4.0 MILS DRY FILM THICKNESS.
- B. FIRST COAT: APPLY SHERWIN WILLIAMS SHER-CRYLTM HPA HIGH PREFORMANCE ACRYLIC GLOSS, (B66-300 SERIES), APPLIED AT A WET FILM THICKNESS OF 4 MILS, TO ACHEIVE A DRY FILM THICKNESS OF 1.4
- C. SECOND COAT: APPLY SHERWIN WILLIAMS SHER-CRYLTM HPA HIGH GLOSS PREFORMANCE ACRYLIC GLOSS, (B66-300 SERIES), APPLIED AT A WET FILM THICKNESS OF 4 MILS, TO ACHIEVE A CRY FILM THICKNESS OF 1.4.



FIRE STATION 50

CPZ ARCHITECTS, INC



DRAWING TITLE:

North & South Elevations

DRAWN: RJMG
CHECKED:
DATE: 04-10-2014
SCALE: As indicated

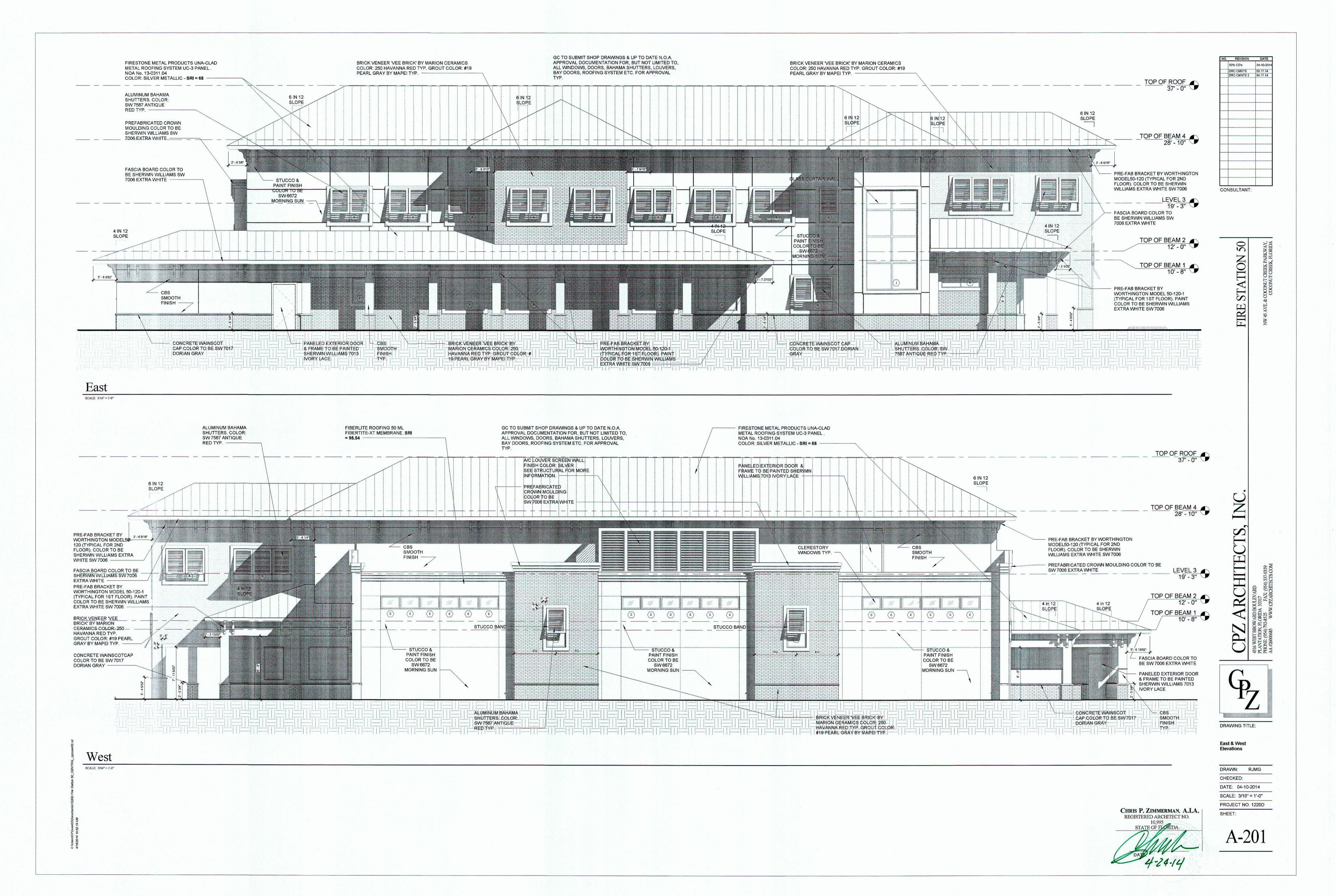
PROJECT NO. 1220D

A-20

CHRIS P. ZIMMERMAN, A.I.A.
REGISTERED ARCHITECT NO.
10,995
STATE OF FLORIDA

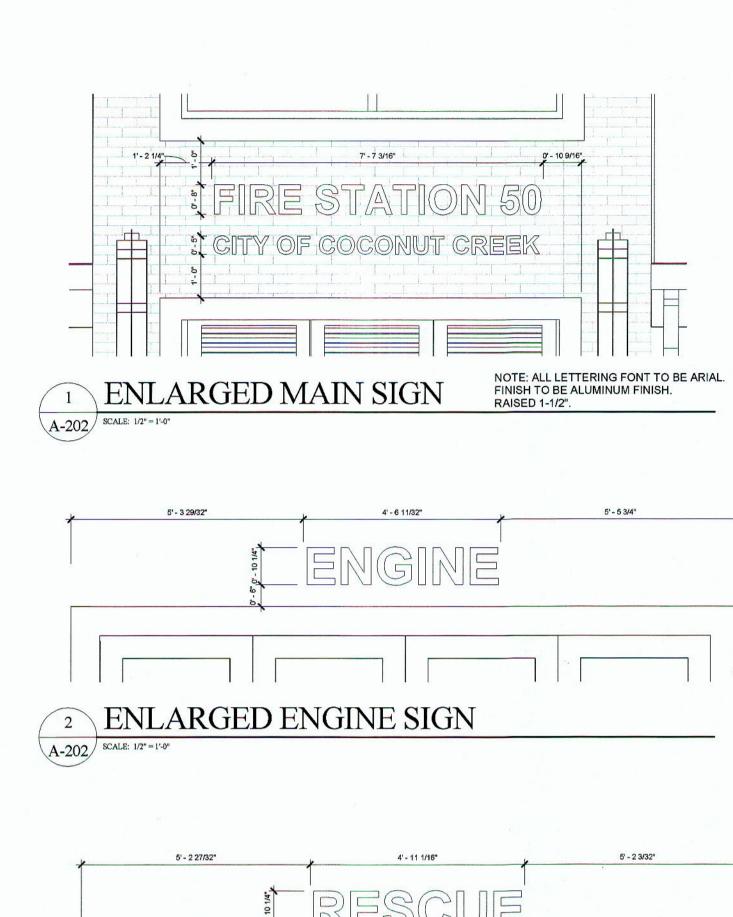
DATE: 4-24-14

SCALE: 3/16" = 1'-0"



PROVIDE IN PROFILE AND LOCATIONS SHOWN ON DRAWINGS.

PART 3 EXECUTION INSTALLED WIRE LATH: PROVIDE CONTROL AND EXPANSION JOINTS IN LOCATIONS 3.1 EXAMINATION INDICATED ON DRAWINGS AND SPACED AS FOLLOWS A. VERIFY THAT SURFACES AND SITE CONDITIONS ARE READY TO RECEIVE WORK. (a) IN ANY DIRECTION NOT TO EXCEED 18 FEET ON CENTER. B. VERIFY ALL SURFACES TO RECEIVE PLASTER ARE TRUE AND PLUMB WITHIN THEIR) LIMIT WALL AREA TO 144 SQUARE FEET AND CEILING AREA TO 100 SQUARE FEET. ALLOWABLE TOLERANCE. NOTIFY PROJECT CONSULTANT AND OWNER IF DEFICIENCIES THE LENGTH TO WIDTH RATIO: NOT TO EXCEED 2-1/2 TO 1. EXIST. SUBMIT PROPOSED REMEDY OF DEFICIENCIES TO PROJECT CONSULTANT. DO NOT (d) PROVIDE AN EXPANSION JOINT WHERE STUCCO SUPPORT ON WIRE LATH ABUTS PROCEED WITH WORK OF THIS SECTION WITHOUT ACCEPTANCE OF PROPOSED REMEDY DISSIMILAR MATERIAL BY THE PROJECT CONSULTANT (e) METAL LATH SHALL BE DISCONTINUOUS BEHIND CONTROL AND EXPANSION JOINT C. CONCEALED SUPPORTS, BLOCKING: VERIFY ITEMS HAVE BEEN INSTALLED IN PROPER ACCESSORIES. LOCATIONS 3.6 PLASTER APPLICATION 3.2 PREPARATION A. APPLY CEMENT PLASTER UNDER PROVISIONS OF ASTM C926 AND AS HEREIN MODIFIED. A. PROTECT OTHER WORK AND BUILDING SURFACES FROM SPLATTERED STUCCO. B. SEQUENCE THE WORK TO ALLOW FOR THE CONTINUOUS APPLICATION OF PLASTER OVER CLEAN ALL EXTERIOR BLOCK SURFACES WITH A ACID BASED MASONRY CLEANER AND WASH ALL SURFACES, AND INCLUDING WINDOW AND DOOR RETURNS, LOUVERS AND OTHER MASONRY CLEANER OFF BY PRESSURE WASHING ALL EXTERIOR BLOCK SURFACES WITH A FEATURES TO PROVIDE UNIFORM THICKNESS AND FINISHES. MACHINE PROVIDING 2,500 P.S.I. AT 45 DEGREE ANGLE TO REMOVE ALL FOREIGN MATTER AND FORM OIL FROM MASONRY AND CONCRETE SURFACES. ALL CONCRETE SURFACES 1. PROVIDE PORTLAND CEMENT PLASTER (STUCCO), OF THE COMPOSITION INDICATED, SHALL BE PREPARED TO RECEIVE PLASTER TO COMPLY WITH ASTM C926. TO COMPLY WITH THE FOLLOWING REQUIREMENTS: NOTIFY THE GENERAL CONTRACTOR IN WRITING OF DEFICIENCIES IN THE PLANE TO (a) DAMPEN MASONRY AND CONCRETE SURFACES BY FOG SPRAYING PRIOR TO RECEIVE PLASTER. TUCKPOINT BEE-HOLES IN ALL MASONRY JOINTS AND TUCKPOINT INSTALLATION OF DASH-BOND COAT OR SCRATCH COAT. SURFACE: FREE OF HONEYCOMBING IN CAST-IN-PLACE CONCRETE WITH AN ASTM C270 TUCKPOINT MORTAR VISIBLE WATER BEFORE APPLYING DASH-BOND COAT OR SCRATCH COATS. AS TO PROVIDE FLUSH, TRUE SURFACES TO RECEIVE PLASTER. FAR AS POSSIBLE, APPLY EACH COAT IN A CONTINUOUS OPERATION SO AS TO ON EXTERIOR MASONRY AND CONCRETE SURFACES INSTALL TEMPORARY GROUNDS AND AVOID UNSIGHTLY JOINTING. SCREEDS AS NECESSARY TO STRIKE OFF PLASTER TO TRUE SURFACES (STRIP-FORMING). (b) WHERE APPLICABLE APPLY DASH-BOND COAT OVER CONCRETE SURFACES. THE USE OF PERMANENT CORNER BEADS, FABRICATED CONTROL JOINTS, GROUNDS ALLOW TO SET AND MOIST CURE BEFORE APPLICATION OF A SCRATCH COAT. A SCREEDS, RECESSES, ETC. ON EXTERIOR MASONRY AND CAST-IN-PLACE CONCRETE DASH-BOND COAT IS A THICK SLURRY MIX THAT IS DASHED ON AND PROVIDES A SURFACES ARE NOT ALLOWED, EXCEPT AT BUILDING STRUCTURAL EXPANSION JOINTS. MECHANICAL BOND FOR SUCCEEDING PLASTER. A DASH-BOND COAT SHALL NOT E. ON WIRE LATH: REPLACE ONE OF THE SPECIFIED NUMBERS OF COATS. INSTALL CORNER BEADS, CONTROL JOINTS, EXPANSION JOINTS AND ACCESSORIES (c) SCRATCH BROWN AND SKIM COAT BY HAND TROWELLING INDICATED ON DRAWINGS AND NOTED WITHIN THIS SECTION TRUE AND PLUMB, USING (d) BACK TROWEL EACH COAT, APPLYING WITH HEAVY PRESSURE TO FILL VOIDS, MAXIMUM LENGTHS AVAILABLE. AT INTERSECTIONS OF SUCH JOINTS OR ACCESSORIES, ELIMINATE AIR BUBBLES, AND PROMOTE MECHANICAL BOND. THE VERTICAL ELEMENT SHALL REMAIN CONTINUOUS AND THE HORIZONTAL ELEMENT (e) WHEN THE SCRATCH COAT BECOMES FIRM, SCORE THE ENTIRE SURFACE WITH INTERRUPTED AT SUCH INTERSECTION. SCARIFIER TOOL BEFORE INITIAL SET. ON VERTICAL SURFACES SCORE ANCHOR CORNER AND CASING BEADS SECURELY TO SUBSTRATE. HORIZONTALLY. THE TOOL'S PURPOSE IS TO CREATE A SCORE OF SUFFICIENT EXPANSION AND CONTROL JOINTS: TIED TO THE WIRE LATH AND NOT TO SUBSTRATE. WIDTH TO PERMIT INTRUSION OF THE BROWN COAT. NOTE: THE USE OF WIRE WIRE LATH: DO NOT EXTEND THROUGH EXPANSION OR CONTROL JOINTS. COMBS OR BRUSHES FOR SCORING THE SCRATCH COAT IS NOT ALLOWED. APPLICATION OF APPLIED BONDING AGENT. (f) STRIP FORM ALL EXTERIOR CORNERS. . EXTERIOR SURFACES: (g) REQUIRED NOMINAL THICKNESS: WITH A TOLERANCE OF ZERO TO PLUS 1/8 INCH DO NOT APPLY BONDING AGENT OF ANY KIND. (b) DAMPEN EXTERIOR SURFACES PRIOR TO THE APPLICATION OF PLASTER. (1) THREE-COAT WORK ON METAL PLASTER BASE: (c) VERIFY THE SURFACE IS FREE OF VISIBLE STANDING WATER PRIOR TO INSTALLING VERTICAL SURFACES HORIZONTAL SURFACES SCRATCH COAT3/8 INCH 1/4 INCH PLASTER. 3.3 INSTALLATION-LATHING MATERIALS AND ACCESSORIES BROWN COAT 3/8 INCH 1/4 INCH INSTALLATION TO CONFORM TO ASTM C1063; EXCEPT AS MODIFIED HEREIN. FINISH COAT 1/8 INCH* 1/8 INCH* TOTAL 7/8 INCH 5/8 INCH INSTALL MAIN RUNNERS AT 48 INCHES ON CENTER (MAXIMUM) WITH THEIR SUPPORTS AT 36 INCHES ON CENTER, OR INSTALL MAIN RUNNERS AT 36 INCHES ON CENTER (MAXIMUM) * PLUS ANY RAISED TEXTURE FINISHES. NOTE: ON WIRE LATH, THE SCRATCH WITH THEIR SUPPORTS AT 48 INCHES ON CENTER, INSTALL MAIN RUNNERS WITHIN 6 COAT SHALL EXTEND 1/4 INCH BEYOND THE LATH. INCHES OF WALLS PARALLELING, TO SUPPORT ENDS OF CROSS FURRING, WHERE (2) THREE-COAT WORK ON MASONRY AND POURED CONCRETE: SYSTEM IS EXPOSED TO WIND UP-LIFT, PROVIDE VERTICAL STIFF LEGS EQUAL TO MAIN VERTICAL SURFACES HORIZONTAL SURFACES RUNNERS OR BETTER AT 8 FEET ON CENTER (MAXIMUM) EACH WAY, OR CLOSER IF REQUIRED DUE TO UPLIFT LOADING. BROWN COAT 1/4 INCH INSTALL CROSS FURRING FOR OVERHEAD APPLICATIONS AT 16 INCHES ON CENTER FINISH COAT 1/8 INCH*
TOTAL 5/8 INCH (MAXIMUM) AND FOR VERTICAL APPLICATION AT 24 INCHES ON CENTER (MAXIMUM). SADDLE TIE FURRING CHANNELS TO EACH MAIN RUNNERS WITH DOUBLED NO. 18 TIE WIRE. * PLUS ANY RAISED TEXTURE FINISHES. THE SPAN OF CROSS FURRING: 48 INCHES ON CENTER (MAXIMUM). (3) THREE-COAT WORK ON METAL PLASTER BASE ON SOLID APPLY LATH TAUT, WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS. TIE LATH TO SUPPORTS WITH NO. 18 WIRE AT 6 INCHES ON CENTER FOR HORIZONTAL INSTALLATION VERTICAL SURFACES HORIZONTAL SURFACES AND 9 INCHES ON CENTER FOR VERTICAL INSTALLATION. LAP ENDS OF LATH A MINIMUM 1 INCH TO 1-1/4 INCH (MAXIMUM). NEST RIBS OF RIB LATH AT (c) BROWN COAT 1/4 INCH 1/4 INCH END LAPS. SECURE END LAPS WITH TIE WIRE. END LAPS: SHALL OCCUR OVER SUPPORTS. (d) <u>FINISH COAT</u> <u>1/8 INCH*</u> <u>1/8 INCH*</u> (e) TOTAL 7/8 INCH 7/8 INCH LAP SIDES OF DIAMOND MESH LATH TOGETHER MINIMUM 1/2 INCH TO 1 INCH (MAXIMUM). NEST OUTSIDE RIBS OF RIB LATH TOGETHER AND SECURE WITH WIRE * PLUS ANY RAISED TEXTURE FINISHES. NOTE: ON WIRE LATH, THE SCRATCH G. PLACE STRIP MESH DIAGONALLY AT CORNERS OF LATHED OPENINGS. SECURE RIGIDLY IN COAT SHALL EXTEND 1/4 INCH BEYOND THE LATH. STUCCO FINISHES TO MATCH EXISTING. H. WHERE DISSIMILAR MATERIALS ABUT, PROVIDE A CONTINUOUS EXPANSION JOINT AND JOINT STUCCO SURFACES TO BE STRAIGHT-EDGED, WITH JAMBS AND ANGLES STRAIGHT MOLDING. WIRE LATH AND SUPPORTS: DO NOT EXTEND THROUGH THE JOINT. AT FRAME CONDITIONS, DOUBLE STUD EACH SIDE OF EXPANSION JOINTS. MISCELLANEOUS: PLACE EXPANDED CASING BEADS (STUCCO STOP) AT TERMINATION OF STUCCO FINISHES 1. ENSURE ALL SURFACES ARE CLEAN AND FREE OF HARMFUL AND FINISHES BETWEEN CONCRETE AND FRAMING. BUTT AND ALIGN ENDS. SECURE MATERIALS BEFORE APPLICATION OF STUCCO. RIGIDLY IN PLACE. APPLY COATING CONTINUOUSLY WITHOUT ALLOWING MIX TO DRY AT EDGES. INSTALL ACCESSORIES TO REQUIRED LINES AND LEVELS. FULLY STUCCO ALL EXTERIOR EXPOSED OR PROJECTING CONCRETE UNLESS STUCCO SHALL BE CUT BACK 1/4 INCH FROM ALL PENETRATIONS THROUGH THE PLASTER OTHERWISE INDICATED. COAT TO ALLOW FOR EXPANSION AND CONTRACTION OF DISSIMILAR MATERIALS. A BACKER ROD AND SEALANTS SHALL BE PLACED IN SEPARATION CREATED. A. PROVIDE SUFFICIENT MOISTURE TO ALL COATS TO PERMIT CONTINUOUS 3.4 CEMENT PLASTER MIXES HYDRATION OF THE CEMENTITOUS MATERIALS. A. APPLICATIONS-MASONRY, CONCRETE AND WIRE LATH: 1. DASH-BOND COAT (APPLY ON CONCRETE SURFACES): 1. LIGHTLY MIST THE STUCCO USING A NURSERY-FOGGING NOZZLE OR WITH PRESSURE (a) ONE BAG (1 CUBIC FEET) OF STUCCO CEMENT. TANK NURSERY SPRAYER TO MAINTAIN LIGHTLY DAMP CONDITION. DO NOT OVER (b) NOT MORE THAN 2 CUBIC FEET OF DAMP AGGREGATE. (c) WATER: MIXED WITH BONDING AGENT AT A RATE OF ONE (1) PART-BONDING AGENT 2. THE STUCCO SURFACES: NEVER SATURATE OR DIRECTLY SPRAY WITH JETTED TO 2 PARTS WATER. 2. SCRATCH COAT: 3. ENSURE THERE IS NO VISIBLE WATER ON THE SURFACE WHEN PLASTER IS APPLIED. (a) ONE BAG OF STUCCO CEMENT. AFTER APPLYING THE SCRATCH COAT APPLY EACH SUCCEEDING COAT(S) (BROWN (b) 2.5 TO 4 CUBIC FEET * OF DAMP AGGREGATE. OR FINISH COAT) AFTER THE COAT IN PLACE HAS BECOME SUFFICIENTLY RIGID TO (c) WATER [MIXED WITH BONDING AGENT AT A RATE OF 1 PART RESIST CRACKING, THE PRESSURES OF THE NEW COAT BEING APPLIED AND THE BONDING AGENT TO 2 PARTS WATER]. ** (APPROXIMATELY 7 PERCENT SOLIDS LEVELING PROCESS, AND FIRM TO THE TOUCH. MOIST CURE EACH COAT UNTIL THE NEXT COAT IS READY TO BE APPLIED. DO NOT SATURATE THE STUCCO. *THE NUMBER OF SHOVELS OF SAND EQUALING ONE CUBIC FOOT SHALL BE AFTER APPLYING FINISH COAT, MOIST CURE A MINIMUM OF 3 TIMES A DAY FOR A MINIMUM CALIBRATED USING A CUBIC FOOT BOX AND RE-CALIBRATED SEVERAL TIMES A DAY. OF 3 - 5 DAYS AS DICTATED BY WEATHER OR AS NECESSARY TO REACH THE REQUIRED ** VERIFY THE MIXING OF THE INTEGRAL BONDING AGENT WITH PH LEVEL TO RECEIVE PAINT. MAINTAIN FINISHED WORK IN A CONTINUOUSLY MOIST PORTLAND STUCCO SYSTEM MANUFACTURER. CONDITION BY PH TESTING UNTIL TEST READING IS 8-10. MAINTAIN A WRITTEN AND **BROWN COAT:** PHOTOGRAPHIC RECORD OF EACH SUCH TEST. (a) ONE BAG OF STUCCO CEMENT. MOIST CURING OF PLASTER MUST BE DONE BY THE PLASTER/STUCCO (b) 3 TO 5 CUBIC FEET OF DAMP AGGREGATE. APPLICATOR (A.K.A. THE PLASTERER). 1/2 POUND OF FIBERGLASS FIBERS. F. COMPLY WITH ASTM C926. (d) WATER: POTABLE. 3.8 REPAIRING 4. FINISH COAT A. SOUNDING SURFACES: (a) ONE BAG OF STUCCO CEMENT. 1. SOUND OUT ALL STUCCO ON MASONRY AND POURED CONCRETE BY DRAGGING A 1.5 TO 3 CUBIC FEET OF AGGREGATE. SMALL HAMMER (4 OZ BALL PEEN) OVER THE SURFACE. (c) WATER: POTABLE. 2. MARK ALL HOLLOW SOUNDING SURFACES THAT INDICATE A NON-BONDING OF SUBSTRATE. 1. MECHANICAL MIXER: B. CUTTING AND PATCHING (a) PROVIDE SUFFICIENT HORSEPOWER TO AGITATE THE STIFF STUCCO MIX. 1. CUT, PATCH, POINT-UP, AND REPAIR REMOVED PLASTER AS NECESSARY TO b) MIXER BLADES: CLEAN AND FREE OF FOREIGN MATERIALS. ACCOMMODATE OTHER WORK AND TO RESTORE CRACKS, DENTS, AND THOROUGHLY CLEAN MIXER AFTER EACH MIX. 2. LOAD MATERIALS INTO THE STUCCO MIXER IN THE FOLLOWING ORDER: 2. REMOVE PLASTER TO ELIMINATE BLISTERS, BUCKLES, EXCESSIVE (a) 2/3 OF THE WATER. CRAZING, AND CHECK CRACKING, DRY OUT, EFFLORESCENCE, SWEAT-OUT AND (b) 1/2 OF THE AGGREGATE. SIMILAR DEFECTS, AND WHERE BOND TO SUBSTRATE HAS FAILED, REPLACE (c) ALL OF THE STUCCO CEMENT PLASTER MATCHING ADJACENT SURFACES. (d) 1/2 OF THE AGGREGATE (ALLOW TO MIX 2 MINUTES). 3.9 PAINTING REMAINING WATER. A. PRIOR TO PAINTING PLASTER, ENSURE THE MOISTURE CONTENT OF THE PLASTER IS MECHANICALLY MIX CEMENTITIOUS AND AGGREGATE MATERIALS FOR PLASTERS TO LESS THAN THAT RECOMMENDED BY THE PAINT MANUFACTURER AND THE PH OF THE COMPLY WITH APPLICABLE REFERENCED APPLICATION STANDARD AND WITH PLASTER IS LESS THAN 10. VERIFY THE MOISTURE CONTENT USING AN ELECTRONIC RECOMMENDATIONS OF PLASTER MANUFACTURER. TURN EACH FINISHED MIX FOR AT MOISTURE METER AND THE PH USING A PH PENCIL. TEST EVERY 1,000 SQUARE FEET. 3.10 CLEANING DO NOT RETEMPER MIXES AFTER THE INITIAL SET HAS OCCURRED, OR IF MIX HAS BEEN REMOVE TEMPORARY PROTECTION AND ENCLOSURE OF OTHER WORK. PREPARED MORE THAN 60 MINUTES EARLIER. PROMPTLY REMOVE PLASTER FROM DOORFRAMES, WINDOWS, AND OTHER SURFACES, 5. DO NOT ADD ADMIXTURES OTHER THAN THOSE SPECIFIED HEREIN ON THE JOB SITE. WHICH ARE NOT TO BE PLASTERED. REPAIR FLOORS, WALLS AND OTHER SURFACES, WHICH HAVE BEEN STAINED, MARRED, A. MASONRY AND CONCRETE SURFACES: OR OTHERWISE DAMAGED DURING PLASTERING WORK. . INSTALL CONTROL JOINTS AND EXPANSION JOINTS IN STUCCO WHERE THESE JOINTS D. WHEN PLASTERING WORK IS COMPLETED, REMOVE UNUSED MATERIALS, OCCUR IN THE WALL SUBSTRATE. CONTAINERS AND EQUIPMENT, AND CLEAN FLOORS OF PLASTER DEBRIS. PROTECTION PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, WHICH ENSURES PLASTER WORK BEING WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL



ENLARGED RESCUE SIGN



ARCHITECTS, INC.

ARD BOULEVARD
ORDA 33317
8525 FAX: (954) 337-0359

DRC CMNTS 2 04.17.14

CONSULTANT:

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DRAWING TITLE:

Stucco Specifications & Details

DRAWN: RJMG
CHECKED: Checker
DATE: 04-10-2014
SCALE: As indicated
PROJECT NO. 1220D

A-202

SHEET:

CHRIS P. ZIMMERMAN, A.I.A.
REGISTERED ARCHITECT NO.
10,995
STATE OF FLOREDA

C:\Users\CPZuser02\Documents\1220D Fire Station 50_C 4/18/2014 10:54:57 AM

NO. REVISION DATE

H

SCALE PROJ. NO. CNK-IOI8

SHEET: G-

				BID QUANTITY			
	SECT.	DESCRIPTION	UNIT	TOTAL	C.O.	FINA	
1_		MOBLIZATION	LS	1			
2		MAINTENANCE OF TRAFFIC	LS	1		<u> </u>	
3		CLEARING + GRUBBING	ACRE	0.79		-	
5		REMOVAL OF EXISTING ASPHALT REMOVAL OF EXISTING CURB	8Y 	170		-	
6		EROSION CONTROL SYSTEM (INSTALL + MAINTAIN)	 L8	1			
7		FILL MATERIAL / EMBANKMENT (BLDG + PARKING DRIVE)	CY	-		 	
8		FILL MATERIAL / EMBANKMENT (GRASS AND SWALES)	CY				
9		EXCAVATION	CY			<u> </u>	
10		2' BITUMINOUS 8-3 ASPHALT; 2 LIFTS	TN	66			
11		BITUMINOUS PRIME COAT	GAL	90			
12		BITUMINOUS TACK COAT	GAL	30			
13		8" LIMEROCK BASE COURSE	8Y	3350			
14		12' COMPACTED SUBGRADE	SY	3400			
15		8" THICK CONCRETE APRON AREA (4,000 PSI)	8Y	1020			
16		4" THK CONCRETE SIDEWALK / RAMPS: 5-FT WIDE	8 Y	60			
17		PERVIOUS PAVERS	SY	310			
18		FDOT TYPE 'C' DITCH BOTTOM INLETS	EA	4			
19		STORM DRAINAGE MANHOLE TYPE J BOTTOM	EA	1			
20		TYPE 'D' FDOT CONCRETE CURB (ON-SITE)	LF	600			
21		EXFLITRATION TRENCH SYSTEM (18"+ HDPE)	ᄕ	130			
22		FDOT CONCRETE PARKING BUMPER (PARKING LOT)	EA	11			
23		6" SOLID WHITE STRIPE PAINTED PAY'T MARKING	ᄕ	110			
24		24" STOP BAR STRIPE PAVT MARKING (ON-SITE)	LF	35			
25		DIRECTIONAL ARROW PAINTED PAYT MARKING EACH • 28 SF (ON-SITE)	EA	4			
26		HANDICAPPED WALKWAY PAINTED PAYT MARKING (ON-SITE)	8 F	100			
27		24" WHITE SIDEWALK CROSS-WALK PAINTED MARKING (ON-SITE)	ᄕ	120			
28		HC SYMBOL PAINTED MARKING • 4.5 SF (FDOT INDEX 17346)	EA	2			
29		SIGNAGE: STOP SIGN (RI-1) ASSEMBLY (ON-SITE)	EA	2			
30		SIGNAGE: HANDICAPPED SIGN (FTP-26) ASSEMBLY (ON-SITE)	EA	3			
31		POTABLE WATER SYS. (2° NEW METER, SERVICE LINE, DOUBLE STRAP SADDLE WITH CORP STOPLETC.)	L8	1			
32		6' GATE VALVE WATER MAIN	EA	5		<u> </u>	
33		6"X6" TAP TO EXIST. 6" WATER MAIN	EA	1		L	
34		6° DOUBLE DETECTOR CHECK VALVE + PW ASSEMBLY (FIRE PROTECT.)	EA	1			
35		FIRE DEPT. CONNECTION ASSEMBLY, SIAMESE (FIRE PROTECT.)	EA	1			
36		FIRE HYDRANT (INCL. 6" DIP LENGTH)	EA	1			
37		PR. 6" DUCTILE IRON PIPE (DIP) CLASS 50 (INCLUDES ALL BENDS)	ᄕ	105			
38		PR. 6" DUCTILE IRON PIPE (DIP) CLASS 50 (FIRE PROTECTION)	ᄕ	20			
39		PR. 2' POTABLE WATER MAIN	ᄕ	105			
40		6°X2° STRAP SADDLE W/ 2° CORP. STOP CONNECTION TO PR. 2° POTABLE WATER	EA	1			
41		SANTARY SEWER SERVICE CONNECTION TO EXIST. OFF-SITE MANHOLE	EA	1			
42		MANHOLE 4' DIA. SANITARY SEWER	EA	1			
43		4" PVC 9CH, 40 SANITARY SEWER (INC. ALL BENDS)	LF	25			
44		6° PVC 9CH. 40 SANITARY SEWER	LF	75			
45		SODDING: BAHIA (INCL. FERTILIZER + WATERING)	8 Y	610			

TRASH ENCLOSURE (REFER TO ARCHITECT)

IRRIGATION SYSTEM (REFER TO LANDSCAPE ARCH.)

I. APPLICABLE CODES A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COCONUT CREEK, BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT, FDOT DESIGN STANDARD INDICES (2013) / FDOT SPECIFICATIONS (2013), AND ALL OTHER LOCAL STATE AND NATIONAL CODES WHERE APPLICABLE.

B. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH PROUBLE OF TRANSPORT ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED O THE NORTH AMERICAN VERTICAL DATUM OF 1988, (N.A.V.D.), UNLESS OTHERWISE

D. WATER & SEWER SERVICES PROVIDED BY CITY OF MARGATE DEPARTMENT OF ENVIRONMENTAL ENGINEERING SERVICES (DEES) DETAILS AND SPECIFICATIONS SHALL DICTATE WHEN IN CONFLICT WITH THE FOLLOWING SPECIFICATIONS. MARGATE DEES UTILITY DETAILS HAVE BEEN INCLUDED IN THESE CONSTRUCTION DOCUMENTS. E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF A DEWATERING PERMIT IS REQUIRED FOR ANY OF THE PROPOSED CONSTRUCTION ACTIVITIES. IF A DEWATERING PERMIT IS REQUIRED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE AND SUBMIT A DEWATERING REPORT APPLICATION (PREPARED BY A STATE OF FLORIDA LICENSED ENGINEER OR A REGISTERED PROFESSIONAL GEOLOGIST) TO ALL APPLICABLE AGENCIES FOR PERMIT APPROVAL. THE CLOSE-OUT OF THE DEWATERING PERMIT SHALL RESIDE AS THE CONTRACTOR'S RESPONSIBILITY.

II. PRECONSTRUCTION RESPONSIBILITIES A. UPON THE FORMAL WRITTEN RECEIPT OF THE 'NOTICE TO PROCEED', THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND THE CITY OF COCONUT CREEK TO ARRANGE A PRECONSTRUCTION CONFERENCE. TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, AND ALL DESIGN DISCIPLINES THAT HAVE CREATED THESE CONSTRUCTION DRAWINGS. B. THE CONTRACTOR SHALL OBIDE BY THE SUNSHINE STATE ONE CALL OF FLORIDA AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION, CALL 811

C. ALL UTILITY EASEMENTS TO BE IDENTIFIED AND SECURED PRIOR TO CONSTRUCTION AS REQUIRED. D. LOCATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON DRAWINGS WERE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UNDERGROUND UTILITIES OR FOR ANY UNDERGROUND SYSTEMS NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. IF EXISTING UNDERGROUND UTILITIES FOUND TO CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE FIELD ENGINEER SUCH THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE CONFLICTS.

III. INSPECTIONS

A. THE CONTRACTOR SHALL NOTIFY THE CITY OF COCONUT CREEK ENGINEERING DEPARTMENT, THE ENGINEER OF RECORD AND ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION, AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS AS APPLICABLE:

 CLEARING & GRUBBING / ALL EARTHWORK / ROUGH GRADING
 SANITARY SEWER SYSTEM
 WATER DISTRIBUTION SYSTEM 4. SUBGRADE 5. LIMEROCK BASE, APPLICATION OF PRIME / TACK MATERIALS
6. ASPHALL PAVEMENT

8. SUBSTANTIAL COMPLETION AND FINAL WALK THROUGH PUNCHLIST B. THE CONTRACTOR SHALL ADHERE TO CITY OF COCONUT CREEK, BROWARD COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AND/OR ANY OTHER REQUESTS, ATTENDANCE, ETC.). WHERE REQUIRED, THE CONTRACTOR SHALL RESPONSIBLE FOR COORDINATION OF ANY / ALL INSPECTIONS WHERE THE PRESENCE OF THE ENGINEER OF RECORD AND/OR ANY OTHER INDIVIDUAL(S) SPECIFIC PARTICIPATION IS WARRANTED.

A. PRIOR TO CONSTRUCTION SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND THE CITY OF COCONUT CREEK FOR ITEMS DEPICTED WITHIN THE PLANS. AS EXAMPLE, BUT NOT LIMITED TO, THE FOLLOWING ITEMS: SANITARY MANHOLES, STORM DRAIN MANHOLES, CATCH BASINS, FIRE HYDRANTS. PIPING, VALVES AND ALL REQUIRED ACCESSORIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVAL(S) AS REQUIRED PER CONTRACT WITH THE CITY OF COCONUT CREEK.

V. TEMPORARY FACILITIES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR TH SUPPLY OF TEMPORARY WATER SERVICE, SANITARY SEWER SERVICE, AN 2. SAID SERVICES SHALL BE SUPPLIED THROUGHOUT THE DURATION OF THE CONSTRUCTION PHASE PERIOD. REMOVAL OF SUCH ITEMS SHALL BE ALLOWED ONCE SUBSTANTIAL COMPLETION PUNCH-LIST ITEMS ARE ADDRESSED.

B. TRAFFIC REGULATIONS: . MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH M.U.T.C.D. AND FDOT INDEX 600 (2013). THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND PROCESSING A MOT / TCP PLAN THROUGH APPLICABLE AGENCIES. AT ALL TIMES, THE CONTRACTOR SHALL HAVE A FDOT CERTIFIED MOT PERSON ON-SITE FOR MONITORING THE MOT / TCP LAYOUT E CONTRACTOR SHALL SUPPLY SAID PERSON'S FDOT CERTIFICATION TO BOTH

2. ALL OPEN TRENCHES AND / OR HOLES ADJACENT TO ROADWAYS, WALKWAYS, SIDEWALKS, BIKE LANES, ETC. SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY ON AND ADJACENT TO SITE. 3. NO OPEN TRENCHES AND / OR HOLES ARE TO BE LEFT OPEN DURING NIGHT TIME HOURS WITHOUT EXPRESSED WRITTEN PERMISSION OF THE CITY OF COCONUT 4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ANY NECESSARY CONSTRUCTION OF PAVEMENT MARKING AND SIGNAGE TO ACCOMMODATE AN

ALTERNATE SAFE VEHICULAR DRIVING, CYCLING AND/ OR WALKING ROUTE FOR THE PROJECT.

1 ALL MUCK AND YIELDING MATERIAL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH APPROPRIATE ROADWAY FILL. SAID FILL SHALL BE INSTALLED IN LIFTS, COMPACTED AND GRADED TO CONFORM TO THE REQUIRED CONDITIONS AS SHOWN WITHIN THE PLANS. ALL EARTHWORK SHALL BE COMPACTED TO NOT LESS THAN 100% OF MAXIMUM DEVELOPMENT OF THE PROPERTY OF DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TESTING (AASHTO T-180). ALL STABILIZED EARTHWORK TO CONFORM TO A LIMEROCK BEARING RATIO (LBR) OF 40, OR GREATER.

SUBSOIL EXCAVATION: WHERE MUCK, ROCK, CLAY, OR OTHER MATERIAL WITHIN THE LIMITS OF CONSTRUCTION ARE UNSUITABLE IN ITS ORIGINAL POSITION, EXCAVATE SUCH MATERIAL TO THE CROSS SECTIONS SHOWN IN THE PLANS OR INDICATED BY THE ENGINEER, AND BACKFILL WITH SUITABLE MATERIAL. SHAPE BACKFILL MATERIAL TO THE REQUIRED CROSS—SECTIONS. WHERE THE REMOVAL OF SOILS BELOW THE FINISHED EARTHWORK GRADE IS REQUIRED, MEET A CONSTRUCTION TOLERANCE, FROM THE LINES SHOWN IN THE PLANS AS THE REMOVAL LIMITS, OF PLUS OR MINUS 0.2 FEET IN DEPTH AND PLUS OR MINUS OF SINCHES (FACH SIDE) IN WIDTH CONTRACTOR SHALL ARBIDE BY AND MAKE 6 INCHES (EACH SIDE) IN WIDTH. CONTRACTOR SHALL ABIDE BY AND MAKE HIMSELF FAMILIAR WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2013, SECTION 120 EXCAVATION AND EMBANKMENT AND 125 EXCAVATION FOR ALL SITE PREPARATION FOR ROADWAYS, STRUCTURES, UTILITY LINES AND PIPING.

2 ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE FIRST LIFT OF LIMEROCK BASE. 3 ALL EXISTING PAVEMENT, CUT OR DAMAGED DURING CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE. MINIMUM ONE FULL LANE SHALL BE RESTORED.

4 WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED TO EXISTING PAVEMENT. THE EXISTING EDGE OF PAVEMENT SHALL HAVE A CLEAN SAW CUT AND TACK APPLIED TO EDGE. ALL FINAL AS—BUILT ELEVATIONS, INCLUDING RIM ELEVATIONS, VALVE COVERS, ASPHALT GRADES, INVERTS, ETC., SHALL NOT DEVIATE MORE THAN 1" FROM THE PROPOSED ELEVATIONS. IF CORRECTIONS ARE WARRANTED, IT SHALL BE AT THE CONTRACTOR'S EXPENSE.

1 BASE COURSE SHALL BE CRUSHED LIMEROCK WITH A MINIMUM OF 70% CARBONATES OF CALCIUM AND MAGNESIUM. LIMEROCK TO COMPLY WITH FDOT SPECIFICATIONS 200, 204, 210, AND 230 AS PER FDOT SPECIFICATIONS 2013 EDITION. SHOP DRAWING TO BE PROVIDED FOR LIMEROCK. ASPHALT SURFACES SHALL BE TYPE S-III ASPHALTIC CONCRETE, UNLESS OTHERWISE SPECIFIED ON THE PLANS, SHALL BE A MINIMUM OF 2" THICK, INSTALLED IN TWO (2) 1" LIFTS. VIRGIN ASPHALT MUST BE USED FOR THIS

PROJECT. RECYCLED ASPHALT PAVEMENT (RAP) IN EITHER LIFT IS PROHIBITED UNLESS WRITTEN CONSENT IS PROVIDED BY PARKLAND WITH A COST SAVINGS DEMONSTRATED, AND WITH THE APPROVAL OF THE ENGINEER OF RECORD. SHOP DRAWING TO BE PROVIDED FOR S—III ASPHALTIC CONCRETE PAVEMENT. 3 SIDEWALK CONSTRUCTION SHALL BE AT LEAST 4" THICK CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28-DAY LABORATORY TESTING. CYLINDERS SHALL BE WARRANTED FOR 3-DAY, 7-DAY, 14-DAY AND THREE (3) 28-DAY BREAKS. ALL CONCRETE SIDEWALKS WITH VEHICULAR USE SHALL BE 6" THICK. SIDEWALK SAWCUT JOINTS AND EXPANSION JOINTS SHALL COMPLY WITH FDOT INDEX 310 (2013) AND FDOT SPECIFICATION 522

(2013). SHOP DRAWING TO BE PROVIDED FOR CONCRETE SIDEWALK. CONCRETE CURBING. FDOT TYPE 'F' AND TYPE 'D' AS SHOWN WITHIN FDOT INDEX 300 (2013). CONCRETE CURBING TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28-DAY LABORATORY TESTING. CYLINDERS SHALL BE WARRANTED FOR 3-DAY, 7-DAY, 14-DAY AND THREE (3) 28-DAY BREAKS. SHOP DRAWING TO BE PROVIDED FOR CONCRETE

REINFORCED CONCRETE APRON FOR FIRE STATION APPARATUS DRIVES. THE FIRE STATION APRONS SHALL BE COMPRISED OF 8" THICK CONCRETE (NOMINAL SLAB THICKNESS) WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. CYLINDERS SHALL BE WARRANTED FOR 3-DAY, 7-DAY, 14-DAY AND THREE (3) 28-DAY BREAKS. REINFORCEMENT SHALL BE 6"X6" WIRE WELDED FABRIC W4.0/W4.0. GALVANIZED MESH SHALL NOT BE USED. SHOP DRAWING TO BE PROVIDED FOR REINFORCING AND CONCRETE MIX.

2 LIMEROCK BASE COURSE MATERIALS SHALL BE A MINIMUM OF 8" THICK FOR PAVED AEAS AND A MINIMUM OF 4" THICK FOR FDOT TYPE 'F' CURB AND GUTTER. LIMEROCK BASE COURSE SHALL BE COMPACTED TO A MINIMUM OF 100% MAXIMUM DRY DENSITY PER MODIFIED PROCTOR TEST RESULTS FROM TESTING LAB (AASHTO T-180) AND SHALL HAVE A MINIMUM LIMEROCK

3 CONSTRUCTION OF ALL DRIVING SURFACES, BOTH ASPHALT PAVEMENT S-III AND CONCRETE APRON SHALL BE IN ACCORDANCE TO THESE PLANS AND ADHERE TO FDOT DESIGN STANDARD INDICES (2013)/FDOT SPECIFICATIONS (2013), AND ALL OTHER LOCAL STATE AND NATIONAL CODES WHERE APPLICABLE.

SURFACE SHALL NOT VARY MORE THAN 1/4" FROM STRAIGHT-EDGE TESTING USING A 12FT STRAIGHT EDGE. 2. FIELD TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED BY THE ENGINEER. ALL FIELD TESTING SHALL BE A COST PAID BY THE CONTRACTOR. ALL FAILED TEST RESULTS SHALL BE TAKEN AT LEAST 24—HRS AFTER FAILURE DETERMINED, OR UPON CONTRACTOR'S SCHEDULE. 3. DENSITY TESTS ON STABILIZED SUBGRADE SHALL BE SUPPLIED TO THE ENGINEER OF RECORD AND THE CITY OF COCONUT CREEK AND APPROVED BEFORE PROCEEDING TO LIMEROCK WORK. DENSITY TESTING SHALL BE CONDUCTED EVERY 200 FEET AND 15 FEET AWAY FROM ALL STRUCTURES. 4. ALL DENSITY TEST RESULTS AND AS-BUILT SURVEY OF THE LIMEROCK BASE SHALL BE PROVIDED TO THE ENGINEER OF RECORD AND APPROVED BEFORE ASPHALT PAVEMENT SHALL COMMENCE.

BOTH CONCRETE CYLINDER TESTING AND SOILS TESTING ARE AT THE

DISCRETION OF THE FIELD ENGINEER AND/OR CITY OF COCONUT CREEK.

VII. STORM DRAINAGE

1. EXISTING DRAINAGE STRUCTURES SHALL BE ADJUSTED AS NEEDED SHOWN WITHIN THE PLANS. 2. DISTANCES AND LENGTHS SHOW ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES.

1 REINFORCED CONCRETE PIPE (R.C.P.) SHALL MEET THE REQUIREMENTS OF ASTM C-76, CLASS III, WALL THICKNESS "B" AS DEFINED IN FDOT INDEX 205. RUBBER GASKETS OR OTHER MANUFACTURER SUPPLIED JOINT SEALER 2 PVC A2000 DRAINAGE PIPE, GASKETS, AND JOINTS SHALL CONFORM TO ASTM F949 AND F794, ASTM F477 AND ASTM D3212 RESPECTFULLY AS MANUFACTURED BY CONTECH OR APPROVED EQUAL.

3 ALL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST CONCRETE AND SHALL MEET THE REQUIREMENTS OF ASTM C-478 AND 64T UNLESS OTHERWISE NOTED IN THE PLANS. THE MINIMUM WALL AND SLAB THICKNESS SHALL BE 8 INCHES AND THE MINIMUM WALL AND SLAB

NO. 4 BARS AT 12 INCHES EACH WAY UNLESS OTHERWISE INDICATED.

DRAINAGE STRUCTURE CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF

NO LESS THAN 3,750 PSI AT 28-DAY STRENGTH. SHOP DRAWINGS FOR

DRAINAGE STRUCTURES TO BE PROVIDED.

1 BACKFILL MATERIAL SHALL BE WELL GRADED GRANULAR MATERIAL TAMPED TO A HEIGHT OF 8 INCHES (MINIMUM) ABOVE PIPE AS SHOWN ON THE PLANS. TAMPING TO BE DONE IN LAYERS NOT TO EXCEED 12 INCHES. 2 PROVIDE A MINIMUM PROTECTIVE LAYER OF 18 INCHES OF COVER OVER STORM SEWER PIPE TO AVOID UNNECESSARY DAMAGE DUE TO HEAVY CONSTRUCTION VEHICLE LOADING DURING CONSTRUCTION. 3 THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AT LEAST 7 DAYS BEFORE THE START OF THE CONSTRUCTION FOR THE INSPECTION OF PROPOSED DRAINAGE INSTALLATION TO PROVIDE ASSURANCE THAT ALL SHOP DRAWINGS HAVEBEEN SUPPLIED, APPROVED AND INITIATE SCHEDULING OF INSPECTIONS.

VIII. WATER DISTRIBUTION SYSTEM AND/OR SEWAGE FORCE MAINS A. SEPARATION OF WATER AND SEWER MAINS

1. AS DEMONSTRATED WITHIN THE PLANS, POTABLE WATER LINES SHOULD ALWAYS BE CONSTRUCTED ABOVE SANITARY SEWER LINES WITH AN 18" VERTICAL CLEARANCE. 2. ALL CROSSINGS SHALL BE CONSTRUCTED SO THAT THE SANITARY SEWER PIPE JOINTS AND THE POTABLE WATER MAIN JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING. AS PER THE CITY OF MARGATE STANDARD DETAILS FOUND WITHIN THIS SET OF PLANS, THE CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF SHOP DRAWINGS WITHIN 30-DAYS AFTER THE CONTRACT AWARD BY THE CITY OF COCONUT CREEK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TRANSMIT SAID SHOP DRAWINGS IN ACCORDANCE WITH: COCONUT CREEK, CITY OF MARGATE DEPT. OF ENVIRONMENTAL ENGINEERING SERVICES, AND RECOMPAN COLUMN STRANDARDS

4. WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 18 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP, AND THE CROSSING SHALL BE ARRANGED TO MEET THE PRIOR LISTED REQUIREMENTS. 5. A MINIMUM 10-FT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL PARALLEL WATER AND SEWER SERVICES.

6. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10-FT HORIZONTAL SEPARATION THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT AN ELEVATION SUCH THAT THE BOTTOM OF THE WATER LINE IS AT LEAST 18" ABOVE THE TOP OF THE SEWER. 7. CONTRACTOR SHALL MAINTAIN ALL EXISTING WATER AND SEWER SERVICES TO ALL EXISTING FACILITIES DURING CONSTRUCTION.

2. ALL WATER MAIN PIPE, INCLUDING FITTINGS, SHALL BE COLOR CODED OR MARKED BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE POTABLE WATER FROM RECLAIMED (PURPLE) OR OTHER WATER. UNDERGROUND PLASTIC PIPE SHALL BE SOLID WALL BLUE PIPE, OR SHALL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL. UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90 DEGREE INTERVALS AROUND THE PIPE. AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE. FOR PIPES WITH AN INTERNAL DIAMETER OF ALONG EACH SIDE OF THE PIPE, AS WELL AS ALONG THE TOP OF THE PIPE.

3. DUCTILE IRON PIPE FOR WATER DISTRIBUTION MAINS SHALL CONFORM TO ANSI/AWWA STANDARD C151/A21.51-02 LATEST REVISION, "DUCTILE IRON PIPE ADAPTED FOR USE WITH CLASS 250 FITTINGS THROUGH 12" AND FOR CLASS 150 FITTINGS IN SIZES 16" AND OVER.

4. PVC PRESSURE PIPE 4" THROUGH 12" SHALL CONFORM TO ANSI/AWWA STANDARD C900-97 OR LATEST REVISION. PVC PRESSURE PIPE SHALL BE MADE FROM CLASS 12454-A OR CLASS 12454-B VIRGIN MATERIAL AND CONFORM WITH THE OUTSIDE DIAMETER OF CAST IRON PIPE WITH A MINIMUM WALL THICKNESS OF DR SERIES 18. ULTRA VIOLET DEGRADATION OR SUN BLEACHED PIPE WILL BE CAUSE FOR REJECTION.

5. DUCTILE IRON FITTING FOR WATER DISTRIBUTION MAINS SHALL CONFORM TO ANSI/AWWA STANDARD C153/A21.53-00 LATEST REVISION. FITTINGS 4" AND LARGER STANDARD C104/A21.4-03 LATEST REVISION.

Water Distribution / Sewage — continued

7. BACKFLOW PREVENTOR TO BE A FEBCO MODEL OR APPROVED EQUAL. a. VALVES SHALL BE GATE VALVES, IRON BODY FULLY RESILIENT SEAT BRONZED MOUNTED NON-RISING STEM RATED AT 200 PSI AND CONFORMIN TO ANSI/AWWA C509-01 OR LATEST REVISION, AND SHALL HAVE MECHANICAL b. GATE VALVES 4" AND LARGER SHALL BE MUELLER A-2380-20 OR APPROVED EQUAL RESILIENT SEATED GATE VALVES SHALL BE AMERICAN 80 LINE OR CLOW F-6100 OR APPROVED EQUAL. GATE VALVES CONFORMING TO ANSI/AWWA C509 (LATEST ED.) FOR RESILIENT SEATED GATE VALVES. c. TAPPING VALVES SHALL BE MUELLER H667 OR APPROVED EQUAL. d. GATE VALVES 3" OR LESS SHALL BE NIBCO T-133 OR T-136 WITH MALLEABLE HAND WHEELS OR APPROVED EQUAL. 9. TAPPING SLEEVES SHALL BE MUELLER H615, CLOW F-2505 OR APPROVED EQUAL

10. VALVE BOXES SHALL BE OPELIKE NO. 19 OR APPROVED EQUAL 11. FIRE HYDRANTS SHALL BE AMERICAN DARLING B84B-5 WITH 5-1/4" INTERNAL VALVE OPENING AS PER NSID. MAIN VALVE OPENING TO BE DETERMINED BY THE WATER DEPARTMENT (NSID). PUMPER NOZZLE TO BE 18" FROM FINISHED GRADE. HYDRANTS TO BE INSTALLED WITH CONTROL VALVE. RETAINER GLANDS ARE PREFERRED FOR RESTRAINING. FIRE HYDRANT SHALL COMPLY WITH

12. METALLIC TAPE SHALL BE INSTALLED ONE (1) FOOT ABOVE INSTALLED PVC PRESSURE PIPE TO ENSURE THAT THE PIPE CAN BE LOCATED AFTER BURIAL 13. CAST IRON AND DUCTILE IRON FITTINGS FOR SEWAGE FORCE MAINS SHALL CONFORM TO ANSI/AWWA STANDARD C153/A21.53-00 OR C110/A21.1Q-03 LATEST REVISION. FITTINGS 4" AND LARGER SHALL BE COATED IN ACCORDANCE WITH THE REQUIREMENTS OF DUCTILE IRON PIPE FOR SEWAGE FORCE MAINS.

14. PLUG VALVES SHALL BE DESIGNED FOR A WORKING PRESSURE OF150 P.S.I. THE VALVE AND ACTUATOR SHALL BE CAPABLE OF OPERATION IN EITHER DIRECTION OF FLOW AGAINST PRESSURE DROPS UP TO AND INCLUDING 100 P.S.I. (FOR PLUG VALVES OVER 12" DIA.). VALVES SHALL BE BUBBLE TIGHT IN BOTH DIRECTIONS AT 100 PSI DIFFERENTIAL.

15. PLUG VALVES OVER 12" IN DIA. SHALL HAVE WORM GEAR OPERATORS. THE OPERATING MECHANISM SHALL BE FOR BURIED SERVICE WITH A 2" SQUARE OPERATING NUT. 16. PLUG VALVES ARE TO BE INSTALLED WITH THE SEAT POINTED TOWARDS THE UPSTREAM FLOW, WHEN SPECIFIED.

1. SERVICE SADDLES SHALL BE DOUBLE STRAP WITH STAINLESS STEEL STRAPS FOR CONNECTIONS TO DIP LINES, ALL SERVICE SADDLES SHALL CONFORM TO

ANSI/AWWA C111/A21.11-00 AND ASTM A-588. 2. SERVICE LINES SHALL BE POLYETHYLENE TUBING (PE3608), 250 PSI RATED, SIDR-9 MEETING ASTM D-2239. PIPE JOINTS SHALL BE COMPRESSION TYPE 3. CORPORATION STOP(S) SHALL BE MANUFACTURED OF BRASS ALLOY IN ACCORDANCE WITH ASTM B-62 WITH THREADED ENDS WITH PLASTIC INSERT AS MANUFACTURED BY FORD CORPORATION STOPS OR APPROVED EQUAL CONFORMING

4. METER STOP VALVES SHALL BE LOCK—WING TYPE, BRONZE FABRICATION IN ACCORDANCE TO ASTM B-62. STOPS SHALL BE CLOSED BOTTOM DESIGN WITH RESILIENT "O" RING SEALED AGAINST EXTERNAL LEAKAGE AT THE TOP. STOPS EQUIPPED WITH METER COUPLING NUT ON OUTLET SIDES AS MANUFACTURED BY FORD OR APPROVED EQUAL. CONTRACTOR SHALL PROVIDE ASSURANCE TO MEET NSID METER CONNECTION STANDARDS FOR PROPER METER INSTALLATION.

1. ALL PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF MARGATE DEPARTMENT OF ENVIRONMENTAL AND ENGINEERING SERVICES STANDARD DETAILS AS FOUND WITHIN THESE PLANS. WITH THE UNI-BELL PLASTIC PIPE ASSOCIATION'S, ALL WATER MAINS SHALL. BE LAID WITH A MINIMUM 36" COVER FOR PVC AND

3. NO CONNECTIONS TO EXISTING LINES SHALL BE MADE UNTIL PRESSURE TESTS AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED AND THE SYSTEM IS ACCEPTABLE TO THE CITY OF COCONUT CREEK, CITY OF MARGATE DEPARTMENT OF EMYRONMENTAL AND ENGINEERING SERVICES AND THE BROWARD COUNTY PUBLIC LIFET THE LINET

4. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED. BACKFILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE PIPE AS SHOWN ON THE PLANS. STONES FOUND IN THE TRENCH SHALL BE REMOVED FOR A DEPTH OF AT 5. ALL VALVES SHALL BE INSTALLED WITH ADJUSTABLE CAST IRON VALVE BOXES

WITH THE WORD "WATER" CAST IN THE COVER. U.S. FOUNDRY OR APPROVED EQUAL. 1. BEFORE ANY PHYSICAL CONNECTIONS TO THE EXISTING WATER MAINS ARE MADE, THE COMPLETE WATER SYSTEM SHALL BE PRESSURE TESTED AND DISINFECTED. HYDROSTATIC TESTING OF NEW MAINS SHALL BE PERFORMED AT A

MINIMUM STARTING PRESSURE OF 150 PSI (200 PSI MIN. FOR FIRELINES) FOR TWO HOURS IN ACCORDANCE WITH ANSI/AWWA C600-05 OR LATEST REVISION, THE PRESSURE TEST SHALL NOT VARY MORE THAN 5 PSI DURING THE TEST. 2. THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE CITY OF COCONUT CREEK ENGINEERING DEPARTMENT DESIGNEE, CITY OF MARGATE DEPARTMENT OF ENVIRONMENTAL AND ENGINEERING SERVICES, AND THE ENGINEER

BEFORE ACCEPTANCE FOR OPERATION, THE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE ANSI/AWWA C651—05; 150 PSI MINIMUM (200 PSI MIN. FOR FIRELINES) STARTING TEST PRESSURE. METER RECONNECTIONS MAY BE MADE TO NEW LINES AFTER TWO CONSECUTIVE DAYS OF BACTERIOLOGICAL SAMPLES HAVE PASSED, AND COPIES OF RESULTS HAVE BEEN RECEIVED BY THE ENGINEER, THE CITY OF COCONUT CREEK, AND CITY OF MARGATE DEPARTMENT OF ENVIRONMENTAL AND ENGINEERING SERVICES.

4. SAMPLING POINTS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS; AT A MINIMUM, PROJECT FIRE HYDRANTS SHALL BE USED. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA AS REFERENCED WITHIN MARGATE'S DETAILS WITHIN THESE PLANS:

6. LEAKAGE TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURE FOR RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING OF INSTALLED SEWER PIPE BY UNI-BELL PVC PIPE ASSOCIATION (LATEST EDITION) OR EQUIVALENT.

(2) HOURS. TEST SECTIONS SHALL NOT EXCEED 2,000 LF AND SHALL MEET AWWA STANDARD C-600 (DIP) AND C-605 (PVC). THIS TEST SHALL BE PERFORMED UNTIL THE CITY, CITY OF MARGATE DEPT. OF ENVIRONMENTAL ENGINEERING SERVICES AND ENGINEER HAVE RECEIVED AND APPROVED AS-BUILT DRAWINGS AND THE TRENCHES HAVE BEEN BACKFILLED AND PROPERLY COMPACTED. 7. NOTE: ALL WARRANTED TESTING FOR THE WATER SYSTEM SHALL MEET THE REQUIREMENTS OF: CITY OF MARGATE DEPARTMENT OF ENVIRONMENTAL AND ENGINEERING SERVICES, CITY OF COCONUT CREEK, AND BROWARD CO. IF THERE IS A CONFLICT WITHIN THE TESTING METHODOLOGY, THE MOST STRINGENT CRITERION SHALL BE LISED.

HYDROSTATIC TESTING SHALL BE PERFORMED AT 150 PSI FOR NOT LESS THAN TWO

Water Distribution / Sewage — continued IX. GRAVITY SEWER COLLECTION SYSTEM

CENTER OF STRUCTURES. 1. PVC SEWER PIPE AND FITTING SHALL BE CONFORMING TO ANSI/AWWA STANDARD C900-07, CLASS 150 WITH PUSH-ON RUBBER GASKET JOINTS AS PER ASTM D3034 AND ASTM D3212, RESPECTIVELY. 2. DUCTILE IRON PIPE SHALL CONFORM TO ANS/AWWA C151/A21.51-02 LATEST REVISION, "DUCTILE IRON PIPE CENTRIFUGALLY CAST IN METAL MOLDS OR SAND-LINED MOLDS" WITH WALL THICKNESS CLASS 50 FOR 8" AND ABOVE, CLASS 52 FOR 4" AND 6", UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PIPE SIZES 4"-24" AND 250 FOR PIPE SIZES 30"-64". DUCTILE IRON PIPE SHALL BE EPOXY LINED OR COATED WITH THE MANUFACTURER'S COATING SYSTEM. IN EITHER CASE, THE ENGINEER'S REVIEW AND APPROVAL IS REQUIRED FOR EITHER ALTERNATIVE PRIOR TO CONSTRUCTION. CEMENT MORTARED LININGS ARE NOT APPROPRIATE FOR THIS APPRICATION.

3. ALL DUCTILE IRON FITTINGS SHALL CONFORM TO ANSI/AWWA STANDARD C153/A21.53-00 OR C110/A21.1Q-03 LATEST REVISION. ALL FITTINGS AND ACCESSORIES SHALL BE AS MANUFACTURED OR SUPPLIED BY THE PIPE 4. MANHOLES SHALL BE PRECAST PER ASTM C-478 WITH 4,000 PSI CONCRETE AT 28- DAY COMPRESSIVE STRENGTH, WITH GRADE 60 REINFORCING. MONOLITHICALLY POURED BASES ONLY. SHOP DRAWINGS

5. MANHOLES ARE TO BE SEALED WITH ANTI-HYDRO CEMENT OR APPROVED EQUAL - NO MOULDING PLASTER.

1. AFTER CONSTRUCTION OF THE SEWER SYSTEM, THE CITY OF COCONUT CREEK, AND THE ENGINEER OF RECORD MAY REQUIRE A VISUAL INFILTRATION AND/OR EXFILTRATION TO BE PERFORMED ON THE ENTIRE SYSTEM OR ANY PART THEREOF. AT A MINIMUM, GRAVITY SEWER LINES SHALL BE 'LAMPED' AS INDICATION THAT PVC PIPING IS LAYING TRUE. 2. AN AIR TEST MAY BE SUBSTITUTED FOR THE WATER EXFILTRATION TEST, UPON APPROVAL OF THE ENGINEER. 3. MANHOLE LEAKAGE TEST SHALL NOT EXCEED FOUR GALLONS PER DAY PER UNIT NO VISIBLE LEAKAGE ALLOWED.

4. AFTER CONSTRUCTION OFTHE SEWER SYSTEM, THE CONTRACTOR SHALL TV MONITOR THE SEWER LINE TO VERIFY BACK PITCH, LEAKAGE, BREAKS, ETC. AND SUBMIT TO THE ENGINEER OF RECORD AND THE CITY OF COCONUT CREEK, IF DEEMED WARRANTED BY THE ENGINEER OF RECORD.

A. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX (2013), THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," (MUTCD) LATEST EDITION; AND BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS (LATEST EDITION). B. ALL PAVEMENT MARKINGS SHALL BE PAINTED WITH ACRYLIC WATERBORNE PAINT MEETING TTP-1952 E FEDERAL SPECIFICATIONS. GLASS BEADS TYPE 1 SHALL BE IMPLEMENTED WITHIN THE PAINTING APPLICATION. SHOP DRAWING OF PAINT AND GLASS BEADS SHALL BE WARRANTED.

XI. PROJECT CLOSEOUT

1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS 2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, OR EMPLOYEES. TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THAT END, THE CONTRACTOR SHALL DO, AS REQUIRED, ALL NECESSARY HIGHWAY, DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.

3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR HAS BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS. SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.

4. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. 5. ALL UNPAYED SURFACES DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO A CONDITION EQUAL TO OR EITHER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.

B. PROJECT RECORD DOCUMENTS: 1. DURING THE DAILY PROGRESS OF THE JOB. THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH, MATERIAL AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.

2. UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND LIMEROCK BASE CONSTRUCTION (AND BEFOIRE PLACING ASPHALT PAVEMENT) THE CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS AND PERTINENT GRADES OF ALL DRAINAGE INSTALLATIONS AND THE FINISHED ROCK GRADES OF THE ROAD CROWN AND EDGES OF PAVEMENT AT 50 FOOT INTERVALS, INCLUDING LOCATIONS AND ELEVATIONS OF ALL HIGH AND LOW POINTS. ALL "AS-BUILT" INFORMATION ON ELEVATIONS SHALL BE CERTIFIED BY A FLORIDA REGISTERED

3. UPON COMPLETION OF THE WATER & SEWER SYSTEMS AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONTRACT DRAWINGS FOR REVIEW AND APPROVAL THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS, AND ELEVATIONS OF ALL IMPROVEMENTS.

4. "AS-BUILT" INFORMATION OF GRAVITY SEWERS MUST CONTAIN LOCATION OF SERVICE LATERALS AND INVERT ELEVATIONS. STATIONING OF BOTH THE WYE, CLEAN-OUTS, AND THE SERVICE END MUST ALSO BE INCLUDED. ALL "AS-BUILT" INFORMATION SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR. 6. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL SKETCH

AND LEGAL DOCUMENTS (PREPARED AND CERTIFIED BY A FLORIDA

REGISTERED LAND SURVEYOR) REQUIRED TO RECORD ALL PROPOSED EASEMENTS.

A. AT LEAST TWO (2) DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A FDEP "NOTICE OF INTENT (N.O.I.) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL DISTANCE AND LENGTHS SHOWN ON PLANS ARE REFERENCED TO THE CONSTRUCTION ACTIVITIES" FORM (DEP FORM 62-621.300(4)(b)) TO FD NOTICES CENTER. THE CONTRACTOR WILL BE RESPONSIBLE FOR (AT CONTRACTORS EXPENSE) (1) ASSISTING THE OWNER(S) WITH PREPARING.

COMPLETING, AND FILING THE N.O.I. AND N.O.T. TO FDEP (2) PREPARING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (REQUIRED PRIOR THE NOI SUBMITTAL) (3) IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT WAS REQUIRED TO BE DEVELOPED PRIOR TO THE NOI SUBMITTAL, AND (4) RETENTION OF RECORDS REQUIRED BY THE PERMIT, INCLUDING RETENTION OF A COPY OF THE SWPPP AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL SITE STABILIZATION. A "NOTICE OF TERMINATION (N.O.T.) OF GENERIC PERMIT COVERAGE" FORM (DEP FORM 62–621.300(6)) MUST BE SUBMITTED TO FDEP TO DISCONTINUE PERMIT COVERAGE, SUBSEQUENT TO COMPLETION OF CONSTRUCTION. FOR ADDITIONAL INFORMATION SEE FDEP WEBSITE: http://www.dep.state.fl.us/water/stormwater/npdes. ENGINEER OF RECORD MAY ASSIST ON PROVIDING THE CONTRACTOR WITH: FDEP APPLICATIONS AND THE SWPPP, WHICH HAS BEEN INCLUDED IN CONSTRUCTION BLANS

B. NO ACTIVITIES SHALL COMMENCE PRIOR TO PASSING AN INITIAL NPDES INSPECTION. THE CONTRACTOR SHALL INSTALL ALL APPLICABLE BMP'S AND SHALL BE RESPONSIBLE FOR THEIR MAINTENANCE THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL ADHERE TO ADOPTED CITY OF COCONUT CREEK NPDIES STANDARDS

XIII. ENGINEER'S AS-BUILT REQUIREMENTS AS-BUILTS OF WATER LINES SHALL INCLUDE THE FOLLOWING

1. TOP OF PIPE ELEVATIONS EVERY 50 LF. 2. LOCATIONS AND ELEVATIONS OF ALL FITTINGS INCLUDING BENDS, TEES, GATE VALVES, DOUBLE DETECTOR CHECK VALVES, FIRE HYDRANTS, ETC.

3. ALL TIE INS TO EXISTING LINES SHALL BE AS-BUILT. 4. THE ENDS OF ALL WATER SERVICES AT THE BUILDINGS OR HOMES SHALL BE AS-BUILT OR WHERE THE WATER SERVICE TERMINATES. B. AS-BUILTS OF ALL GRAVITY SANITARY SEWER LINES SHALL INCLUDE THE FOLLOWING INFORMATION:

1. RIMS, INVERTS AND LENGTH OF PIPING BETWEEN STRUCTURES AS WELL AS SLOPES. THE INVERT ELEVATION OF THESE CLEANOUTS NEED TO BE OBTAINED. 3. LIFT STATION AS-BUILTS SHALL CONSIST OF TOP OF WET WELL ELEVATION, INVERT ELEVATION OF THE INCOMING LINE, BOTTOM OF THE WET WELL AND AS-BUILTS OF THE COMPOUND AREA. FORCE MAIN AS-BUILTS SHALL BE PREPARED THE SAME AS THE WATER

D. AS-BUILTS OF ALL DRAINAGE LINES SHALL INCLUDE THE FOLLOWING INFORMATION: 1. RIMS, INVERTS AND LENGTH OF PIPING BETWEEN STRUCTURES AND WEIR ELEVATIONS IF APPLICABLE.

2. THE SIZE OF THE PIPING SHALL BE VERIFIED BY THE SURVEY $\,$ CREW AT THE TIME OF AS—BUILT. 3. DRAINAGE WELL STRUCTURE AS—BUILTS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP OF CASING ELEVATION, TOP AND BOTTOM ELEVATIONS OF THE BAFFLE WALLS, RIM ELEVATIONS AND INVERTS OF PIPING. ALL ROCK AS-BUILTS FOR PARKING LOT AREAS SHALL CONSIST OF THE

1. ROCK ELEVATIONS AT ALL HIGH AND LOW POINTS, AND AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY. 2. ROCK AS-BUILTS SHALL BE TAKEN AT ALL LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS. 3. ALL CATCH BASIN AND MANHOLE RIM ELEVATIONS SHALL BE SHOWN.

4. ELEVATIONS AROUND ISLAND AREAS WILL ALSO BE REQUIRED. 5. WHERE CONCRETE IS TO BE USED AS A FINISHED PRODUCT FOR THE ROADWAY OR PARKING LOT ROCK AS-BUILTS WILL BE REQUIRED AS INDICATED ABOVE AS WELL AS AS-BUILTS ON THE FINISHED CONCRETE AT LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS

6. AS-BUILTS SHALL BE TAKEN ON ALL PAVED AND UNPAVED SWALES, PRIOR TO PLACEMENT OF ASPHALT OR TOPSOIL/SOD, AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY AND CONFORMANCE TO THE BLAN DETAILS. F. LAKE AND CANAL BANK AS-BUILTS SHALL INCLUDE A KEY SHEET OF THE LAKE FOR THE LOCATION OF CROSS SECTIONS LAKE AND CANAL BANK CROSS SECTIONS SHALL BE PLOTTED AT A MINIMUM OF EVERY 100 LF, UNLESS OTHERWISE SPECIFIED. AS—BUILTS SHALL CONSIST OF THE LOCATION AND ELEVATION OF THE TOP OF BANK, EDGE OF WATER AND THE DEEP CUT

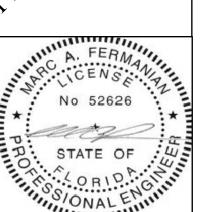
G. RETENTION AREA AS-BUILT ELEVATIONS SHALL BE TAKEN AT THE BOTTOM OF THE RETENTION AREA AND AT THE TOP OF BANK. IF THERE ARE CONTOURS INDICATED ON THE DESIGN PLANS, THEN THEY SHALL BE AS-

H. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS, "AS-BUILTS", ON FULL SIZE, 24" X 36" REPRODUCIBLE MATERIAL WHERE WATER AND SEWER INFORMATION ARE ON THE SAME PAGE THE WATER LINE SHALL BE AS-BUILT BY STATION AND OFFSET UTILIZING THE SANITARY SEWER SYSTEM AS THE BASE LINE. IF IT IS NOT PRACTICAL TO UTILIZE THE SEWER SYSTEM AS A BASE LINE THEN THE SURVEYOR SHALL CONTACT THE ENGINEER OF RECORD SO THAT A SUBSTITUTE BASELINE MAY BE CHOSEN. ALL RECORD DRAWING, "AS-BUILT", INFORMATION SHALL BE PUT ON THE LATEST ENGINEERING DRAWINGS. ONE (1) SET OF REPRODUCIBLE RECORD DRAWINGS, "AS—BUILTS", SHALL BE SUBMITTED ALONG WITH EIGHT (8) SETS OF BLUE OR BLACKLINE DRAWINGS. THESE DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL LAND SURVEYOR. ADDITIONALLY. AN ELECTRONIC COPY OF THESE RECORD

DRAWINGS, "AS-BUILTS", SHALL BE SUBMITTED TO THE ENGINEER OF RECORD IN AUTOCAD, VERSION 2007 OR GREATER. FINAL DELIVERABLES SHALL INCLUDE AN AUTOCAD-COMPATIBLE DIGITAL FILE CONTAINING ALL PERTINENT AS-BUILT INFORMATION (INCLUDING, WATER, SEWER, PAVING, AND DRAINAGE). FILE TO BE SPATIALLY LOCATED WITHIN STATE PLANE COORDINATES. XIV. GENERAL NOTES

WITH THE POSSIBILITY OF UNINTENDED ERRORS OR OMISSIONS, THE CITY OF COCONUT CREEK RESERVES THE RIGHT TO CORRECT SAID ERRORS OR OMISSIONS DURING SUBSEQUENT ENGINEERING REVIEWS AND/OR DURING CONSTRUCTION. BE ADVISED THAT CHANGES, ALTERATIONS, AND/OR SITE—SPECIFIC DECISIONS MAY BE NECESSARY TO ENSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS.

NOT FOR CONSTRUCT.



MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

DATE:

1. ALL MATERIALS INSTALLED FOR THE DEVELOPMENT SHALL BE IN COMPLIANCE WITH CITY OF MARGATE DEPARTMENT OF ENVIRONMENTAL AND ENGINEERING SERVICES AND PER THE CITY OF COCONUT CREEK. REFER TO ALL SUBGRADE COMPACTION FOR PROPOSED DRIVABLE SURFACES (I CONCRETE OF ASPHALT) SHALL BE COMPACTED TO A MINIMUM OF 100% MAXIMUM DRY DENSITY PER MODIFIED PROCTOR TEST RESULTS FROM TESTING

THE FINISHED SURFACE OF THE BASE COURSE AND THE PAVEMENT

CENTRIFUGALLY CAST IN METAL MOLDS OR "SAND-LINED MOLDS" WITH A MINIMUM WALL THICKNESS OF CLASS 50 FOR 6" AND ABOVE AND CLASS 51 FOR LINES LESS THAN 6", UNLESS OTHERWISE DIRECTED BY THE ENGINEER, PRESSURE CLASS SHALL BE 350 FOR PIPE SIZES 4"-24" AND 250 FOR PIPE SIZES 30"-64".

DUCTILE IRON PIPE SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARD C104/A21.4-03 LATEST REVISION. THE PIPE SHALL BE

FITTINGS SHALL BE CAST IRON OR DUCTILE IRON MEETING ANSI/AWWA

C-153/A21.53-00 SPECIFICATIONS. FITTINGS MUST BE CEMENT LINED AND SEAL

COATED PER ANSI/AWWA C104/A21.4-03.

695389.512 | 922997.249 | 13.77 | SET NAIL & DISC "TRAV.PT. LB 6633"

|695530.698 | 924178.441 | 13.27 |FOUND NAIL & DISC, NO ID. IN ASPHALT

COCONUT CREEK PARKWAY SURVEY WINDMILL SCALE: 1" = 20'

LOCATION MAP

PARCELS "B" AND "D", COCONUT CREEK PARKPLEX PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 173, AT PAGE 65, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

1. THIS SURVEY REPRESENTS A BOUNDARY AND TOPOGRAPHIC SURVEY AS DEFINED BY MINIMUM TECHNICAL STANDARDS FOR SURVEYING AND MAPPING, CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES.

- 2. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR
- 3. THIS SURVEY IS LIMITED TO (1) THE DOCUMENTATION OF THE PERIMETER OF THE PARCELS OF LAND SHOWN HEREON BY MONUMENTING THE BOUNDARY LINES FOR THE PURPOSE OF DESCRIBING SAID PARCEL. (2) LOCATION OF ABOVE GROUND
- 4. THE SURVEYED PROPERTY SHOWN HEREON CONTAINS A TOTAL AREA OF 1.5691 ACRES (68,350 SQUARE FEET). PARCEL "B" = 1.5234 ACRES (66,359 SQUARE FEET)
- 5. THE PROPERTY SHOWN HEREON IS LOCATED WITHIN FLOOD ZONE X, AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NUMBER 12011C0115F, COMMUNITY NUMBER 120031, CITY OF COCONUT CREEK, Broward County, Florida. Map revised date: August 18, 1992.
- THE SYMBOLS REFLECTED IN THE LEGEND AND ON THIS SURVEY MAY HAVE BEEN ENLARGED FOR CLARITY. THE SYMBOLS
- THE ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). ESTABLISHED FROM BROWARD COUNTY ENGINEERING DIVISION BENCHMARK No. 0248, DESCRIBED AS FOLLOWS: SRD BRASS DISC IN MIDDLE OF SOUTH CONCRETE BRIDGE RAILING ON WEST SIDE OF BRIDGE. BRIDGE IS LOCATED 150' (+ OR -) WEST OF N.W. 45th AVENUE AND COCONUT CREEK PARKWAY. ELEVATION = 17.828'.

 BEARINGS AND DISTANCES SHOWN HEREON ARE PER COCONUT CREEK PARKPLEX PLAT, RECORDED IN PLAT BOOK 173,
- PAGE 65. PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. SAID BEARINGS ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATES SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983.
- 9. WHEEL STOPS, GROUND COVERAGE. SPRINKLER HEADS AND IRRIGATION WIRE PULL BOXES WERE NOT LOCATED AND ARE
- 10. FENCES, RAILINGS, BARRIER WALLS AND WALL DIMENSIONS ARE APPROXIMATE.
- 11. THE INFORMATION DEPICTED ON THIS SURVEY REPRESENTS THE RESULTS OF A FIELD SURVEY ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS A REPRESENTATION OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- 12. THE SURVEYOR DID NOT INSPECT THE PROPERTY SHOWN HEREON FOR ENVIRONMENTAL HAZARDS
- THE STORM DRAINAGE AND SANITARY SEWER AS-BUILT DATA SHOWN HEREON WAS COLLECTED FOR ENGINEERING DESIGN PURPOSES ONLY. THE AS-BUILT DATA IS LIMITED TO RIM ELEVATIONS ONLY. THE CONNECTIONS BETWEEN STRUCTURES WAS OBTAINED BY VISUAL OBERVATIONS WITHOUT REMOVING THE LIDS, WERE NOT INSPECTED AND THE CONDITION OF THE PIPES WAS NOT DETERMINED. CRITICAL ELEVATIONS AND DIMENSIONS SHOULD BE VERIFIED WITH THE FACILITIES PUMPED DOWN AND CLEANED OUT TO FACILITATE ACCURATE COLLECTION OF AS—BUILT DATA. THE SIZE AND TYPE OF PIPES
- BOREHOLES WERE LOCATED DURING THE PROCESS OF THE SURVEY AT LOCATIONS WERE RECENT GEOTECHNICAL WORK HAS BEEN PERFORMED. A FINAL SKETCH OF BOREHOLES LOCATIONS WAS NOT SUPPLIED TO SURVEYOR AT TIME OF
- UNDERGROUND UTILITIES WERE MARKED ON THE SURFACE BY KEITH & ASSOCIATES, INC., CONSULTING ENGINEERS AND LOCATED BY STONER & ASSOCIATES. STONER & ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE IDENTIFICATION OR
- 16. THIS FIRM HAS IDENTIFIED VARIOUS TYPES OF TREES LOCATED ON THIS SITE BASED ON COMMON KNOWLEDGE OF TREE SPECIES. A QUALIFIED LANDSCAPE ARCHITECT SHOULD BE EMPLOYED FOR POSITIVE IDENTIFICATION OF TREE SPECIES. TREE DIAMETERS ARE APPROXIMATE AND WERE MEASURED AT BREAST HEIGHT. ONLY TREES 3 CALIPER INCHES IN DIAMETER OR LARGER WERE LOCATED AND SHOWN ON THE SURVEY. HEDGES AND GROUND COVER WERE NOT LOCATED AND ARE NOT SHOWN. EXOTIC TREES SUCH AS MELALEUCA, BRAZILIAN PEPPER AND AUSTRALIAN PINE WERE NOT LOCATED OR SHOWN HEREON.
- 17. THIS SURVEY IS LIMITED TO THE LOCATION OF ABOVE GROUND IMPROVEMENTS ONLY. SUBSURFACE UTILITIES, FOUNDATIONS AND ENCROACHMENTS WERE NOT LOCATED AND ARE NOT SHOWN HEREON. THIS SITE COULD HAVE UNDERGROUND INSTALLATIONS THAT ARE NOT SHOWN HEREON. BEFORE DESIGN, CONSTRUCTION OR EXCAVATION, CONTACT SUNSHINE STATE ONE CALL OF FLORIDA (811 OR 1-800-432-4770) AND THE APPROPRIATE UTILITY COMPANIES FOR FIELD
- 18. STONER & ASSOCIATES, INC., DID NOT SEARCH THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA FOR OWNERSHIP, RIGHTS-OF-WAY, EASEMENTS OR OTHER MATTERS AFFECTING THE PROPERTY BEING SURVEYED. THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.
- 19. THE INFORMATION CONTAINED IN THIS DOCUMENT WAS PREPARED BY STONER & ASSOCIATES, INC. (S&A). S&A HAS TAKEN ALL REASONABLE STEPS TO ENSURE THE ACCURACY OF THIS DOCUMENT. WE CANNOT GUARANTEE THAT ALTERATIONS AND/OR MODIFICATIONS WILL NOT BE MADE BY OTHERS AFTER IT LEAVES OUR POSSESSION. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL HARD COPY (WHICH BEARS THE RAISED SURVEYOR'S CERTIFICATION SEAL IF APPLICABLE) TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED HEREON AND TO FURTHER ENSURE THAT ALTERATIONS AND/OR MODIFICATIONS HAVE NOT BEEN MADE. S&A MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED IN THIS OR ANY DOCUMENT TRANSMITTED OR REVIEWED BY COMPUTER OR OTHER ELECTRONIC MEANS. CONTACT S&A DIRECTLY FOR VERIFICATION OF ACCURACY.
- 20. ADDITIONS OR DELETIONS TO THIS SURVEY MAP BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- 21. THE VERTICAL AND HORIZONTAL POSITIONAL ACCURACY OF WELL DEFINED IMPROVEMENTS ON THIS SURVEY IS ±0.10 22. THIS SURVEY MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1/20 OR SMALLER.
- 23. CURRENT PROPERTY OWNER: CITY OF COCONUT CREEK. BROWARD COUNTY PROPERTY APPRAISER PARCEL ID # 4821-31-32-0020 (PARCEL "B") AND 4842-31-32-0040 (PARCEL "D")
- 24. THE DESCRIPTION OF THE SUBJECT PROPERTY FORMS A MATHEMATICALLY CLOSED FIGURE WITH NO

CPZ ARCHITECTS, INC.

SURVEYOR'S CERTIFICATE:

wdelarocha@stonersurveyors.com

THIS IS TO CERTIFY THAT THIS BOUNDARY AND TOPOGRAPHIC SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER CERTIFY THAT THIS BOUNDARY SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF Professional surveyors and mappers in chapter 5J–17, florida

PROFESSIONAL SURVEYOR AND MAPPER NO. 6081 STONER AND ASSOCIATES, INC. L.B. 6633



MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

DRC COMM#2 04/17/14

NO. REVISION DATE 50% CD SET 04/10/14

CONSULTANT:

S

IRE

K

S

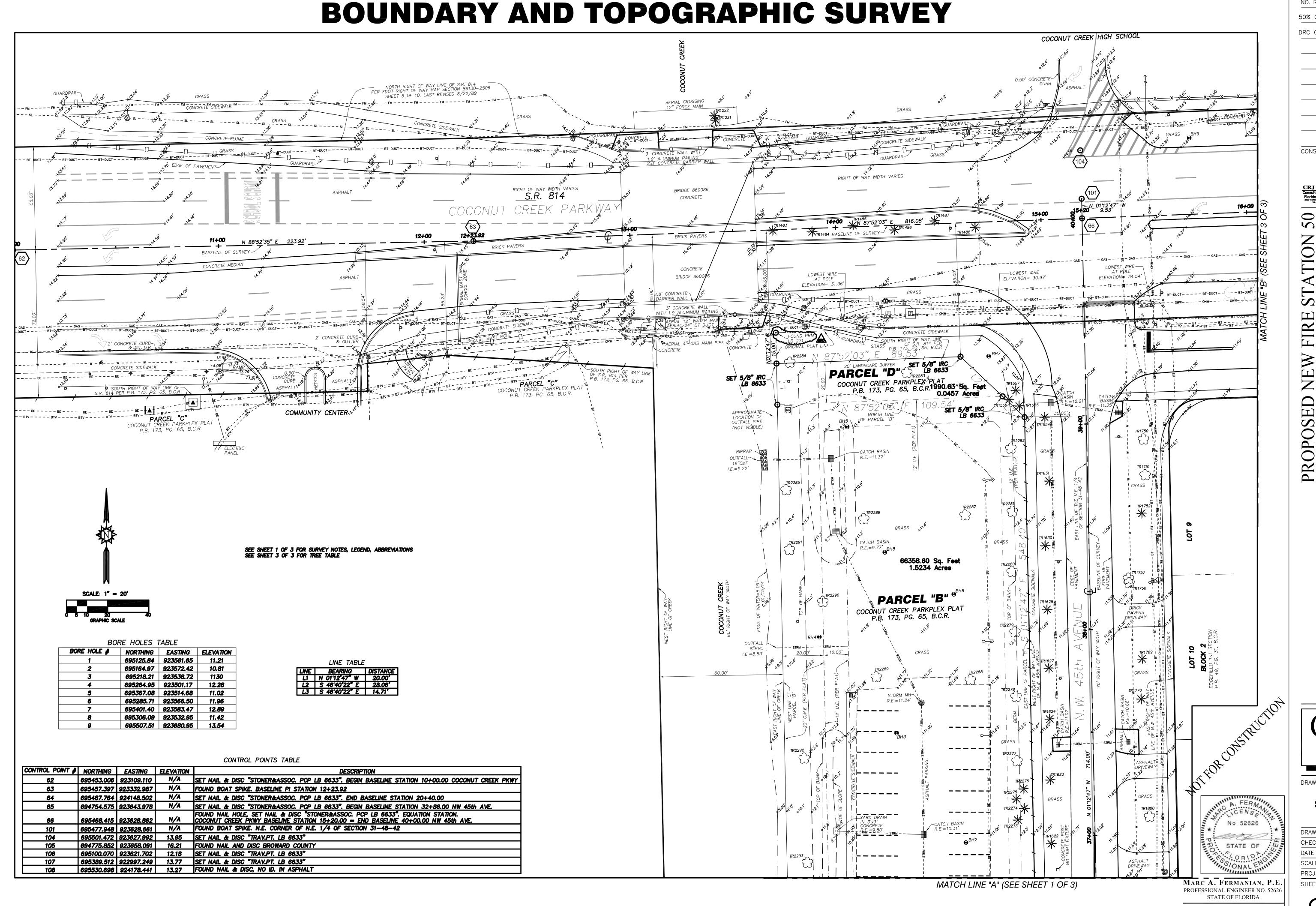
PR

Consulting Engineers and Planne Florida Authorization # 000824\$ 2009 String Root, Suite B-201, Fluuderdee, Floride 333 Tel. (864) 239-4331 - Fax. (894) 239-4331

DRAWING TITLE:

SURVEY

C.E.O. DRAWN CHECKED M.A.F. DATE 04/10/2014 SCALE AS NOTED PROJ. NO.CNK-1018



NO. REVISION DATE 50% CD SET 04/10/14

DRC COMM#2 04/17/14

CONSULTANT:

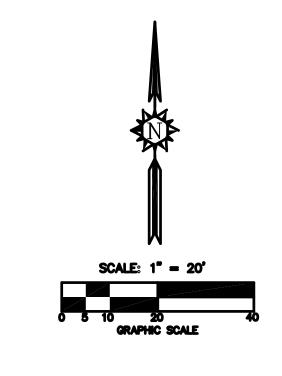
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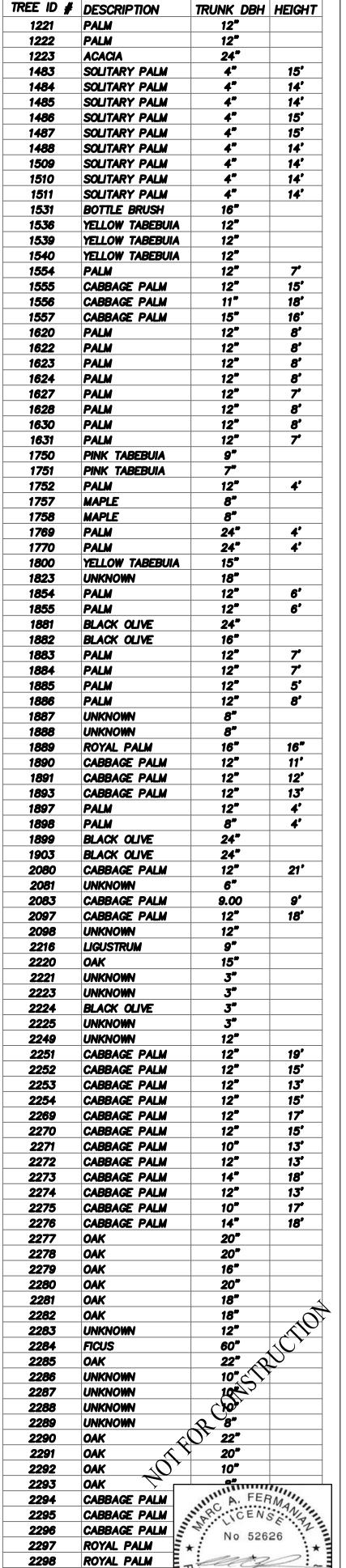
SURVEY

C.E.O. DRAWN CHECKED M.A.F. DATE 04/10/2014 SCALE AS NOTED PROJ. NO.CNK-1018

G-3

BOUNDARY AND TOPOGRAPHIC SURVEY





TREE TABLE

NO. REVISION DATE

CONSULTANT:

FIRE

NEW

SED

PR

DRC COMMENTS 3/17/14

I				COCONUT	CREEK HIGH SCHOOL			
I			å		NORTH RIGHT OF WAY LINE OF S.R. 814	6' CHAIN LINK FENCE		108
	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	_xx^2,2 xx xx xx	-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X	SHEET 5 OF 10, LAST REVISED 8/22/89 -X — X — X — X — X — X — X — X — X — X —	CONCRETE SIDEWALK	THE TOTAL ONE TH	100 100 100 100 100 100 100 100
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;; <u> -</u>	Japan CONCRETE (BUS STOP)	BI-DUCT BT-DUCT 4		-DUCT BI-DUCI BI-DUCI	, A ³ 3. ¹²	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,51 ⁶	13 ³ 10
-	**	3.7	w _a ,	OF WAY WIDTH VARIES ASPHALT				
l' I	2' CONCRETE— CURB & GUTTER	 	RIGHT	S.R. 814		2' CONCRETE—	18 ²	13.82
I			COCONUT	CREEK PARKWAY Eggi x359		TR1509	CONCRETE MEDIANO	20+40 (64)
-		17	N 87°52'03" E BASELINE C	E 816.08' OF SURVEY 4 + + + + + + + + + + + + + + + + + +	TR1511 LANDSCAPED MEDIAN	13.90 8.	13.1 ¹ ¹ 13.6 ⁶ 13.6 ⁶ 13.1 ¹ 13	
۳ آ آ	16+00 - +	CONCRETE MEDIAN	 	3.12	2' CONCRETE 36 36 36 136 136 136 136 136 136 136 13		3 ¹⁶ 3 ⁵⁰ ×3 ⁵⁰	
ET 2 0,	*\overline{\chi}	13.88 ^d	3.1	ASPHALT	GAS	GAS	S GAS	AS GAS
EE SHE	- GAS GAS GAS GAS GAS -	GAS		GAS		TS TS TS	TS	
1S) "B"	10 TS	тs	₩ TS TS TS TS	TS	GAS	BT-DUCT - BT-DUC	BT-DUCT BT-DUCT BT-DUCT BT-DUCT OHW OHW - OHW	
H LINE	TS TS TS TS	T BT-DUCT BT-DUCT	-BT-DUCT - BT-DUCT OHW OHW	DUCT BT-DUCT BT-DU	BT-DUCT	OHW OHW OHW	BT-Duer - BT-Duct	BT-DUCT BT-DÜCT BT-DUCT BT-DUCT
MATC	- PI-DOCI OHM	OHW OHW OHW	BI DUST BT DUST	P SECTION 86130-2506, SHEET 5 OF 10, LAST REVISED 8/22/89 P SECTION 86130-2506, SHEET 5 OF 10, LAST REVISED 8/22/89	HW OHW - OHW		1,31 1,31 1,31 1,31 1,31 1,31 1,31 1,31	2
F	-puci	BF - BT W BT - BT W BT BT W BT	- BI - W SI = = BI - W SI = W - I - BI - W	EDGE OF PAVEMENT	1,3° //	x ¹ 2.00 ASPHALT	**************************************	,000
l	,1.66 ASPHALT	11.5° ×11.76	×11.86	MARGINAL ACCESS ROAD	40' RIGHT OF WAY WIDTH X'N' PER P.B 49, PG 31.	11,78 11,86 11,85	ASPHALT (Si ASPHALT (Si	35 4
	, x, Yours	wei wei	11.67 M.73 394	ASPHALT SOUTH RIGHT OF WAY DRIVEWA	ASPHALT ASPHALT R.E.=11.24'	CONCRETE (96 DRIVE WAY X 1,95	DRIVEWAY (N. 9) N. 91 N. 96 N. 61 N. 203 N. 208	5) 25
- -	BRICK PAVERS 10 15 DRIVEWAY	ASPHALT DRIVEWAY	n.et	DRIVEWAY AMARGINAL ACCESS ROAD 15 1,80 1,85 1,80 1,85 1,80 1,85 1,80 1,85 1,80 1,85 1,80 1,85 1,80 1,80 1,80 1,80 1,80 1,80 1,80 1,80	Visin (1) 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	**************************************	LOT	4
į	1,19 N. PORIVEWAY (1,8)	1200 M	*, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LOT 7	LOT 6	LOT 5		
	LOT 9		LOT 8	BLOCK 2				
I				EDGEFIELD 1st SECTION P.B. 49, PG. 31, B.C.R.				
						1		

CONTROL POINTS TABLE									
CONTROL POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION					
62	695453.006	923109.110	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". BEGIN BASELINE STATION 10+00.00 COCONUT CREEK PKWY					
63	<i>695457.3</i> 97	923332.987	N/A	FOUND BOAT SPIKE. BASELINE PI STATION 12+23.92					
64	695487.764	924148.502	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". END BASELINE STATION 20+40.00					
65	694754.575	923643.978	N/A	SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". BEGIN BASELINE STATION 32+86.00 NW 45th AVE.					
66	695468.415	923628.862	N/A	FOUND NAIL HOLE, SET NAIL & DISC "STONER&ASSOC. PCP LB 6633". EQUATION STATION. COCONUT CREEK PKWY BASELINE STATION 15+20.00 = END BASELINE 40+00.00 NW 45th AVE.					
101	695477.948	923628.661	N/A	FOUND BOAT SPIKE. N.E. CORNER OF N.E. 1/4 OF SECTION 31-48-42					
104	695501.472	923627.992	13.95	SET NAIL & DISC "TRAV.PT. LB 6633"					
105	694775.852	923658.091	16.21	FOUND NAIL AND DISC BROWARD COUNTY					
106	695100.070	923621.702	12.18	SET NAIL & DISC "TRAV.PT. LB 6633"					
107	695389.512	922997.249	13.77	SET NAIL & DISC "TRAV.PT. LB 6633"					
108	695530.698	924178.441	13.27	FOUND NAIL & DISC, NO ID. IN ASPHALT					

	ВО	RE HOLES	TABLE	
	BORE HOLE #	NORTHING	EASTING	ELEVATION
	1	695125.84	923561.65	11.21
	2	695164.97	923572.42	10.81
	3	695218.21	923538.72	1130
	4	695264.95	923501.17	12.28
	5	695367.08	923514.68	11.02
	6	695285.71	923566.50	11.96
	7	695401.40	923583.47	12.89
EE SHEET 1 OF 3 FOR SURVEY NOTES, LEGEND, ABBREVIATIONS	8	695306.09	923532.95	11.42
SEE SHEET 3 OF 3 FOR TREE TABLE	9	695507.51	923680.95	13.54

DBH = DIAMETER AT BREAST.	ONAL ENGINE
	C A. FERMANIAN, P.E. SSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

STATE OF

DRAWN C.E.C

DRAWING TITLE:

DRAWN C.E.O.

CHECKED M.A.F.

DATE 03/17/2014

SCALE AS NOTED

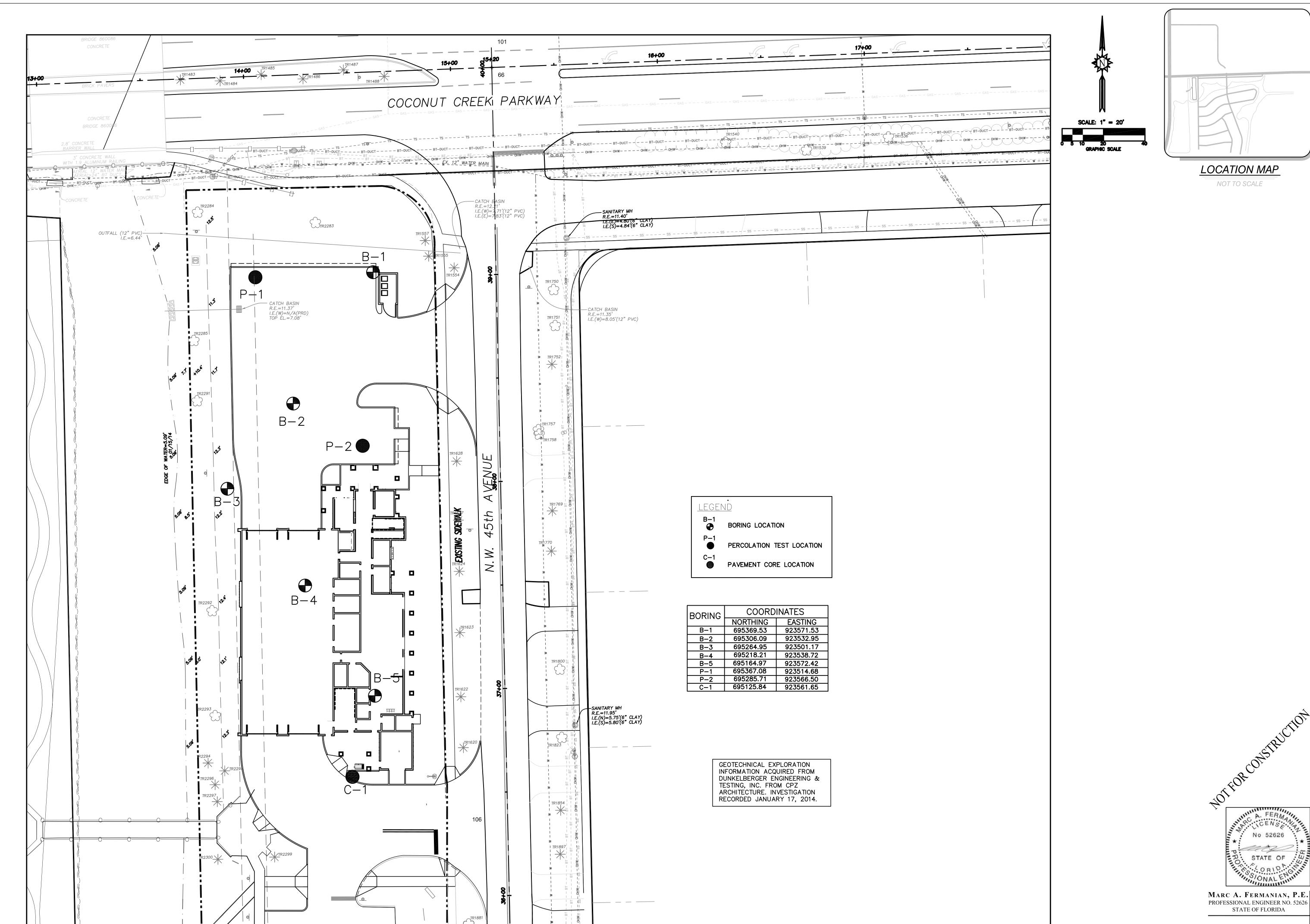
PROJ. NO.CNK-1018

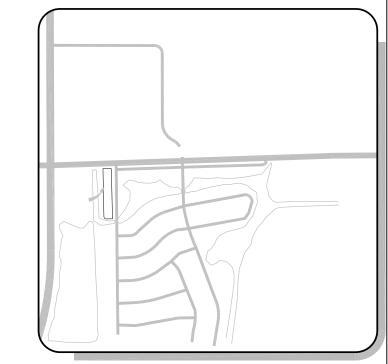
G-4

______DA

ROYAL PALM

2300 ROYAL PALM





LOCATION MAP NOT TO SCALE

CONSULTANT:

NO. REVISION DATE

DRC COMMENTS 3/17/14

FIRE

PROPOSED



DRAWING TITLE:

BORING LOCATION **PLAN**

C.E.O. DRAWN CHECKED M.A.F. DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-1018

SHEET:

G-5

PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

NO. REVISION DATE DRC COMMENTS 3/17/14

FIRE

ARCHITECT

PROPOSED

DRAWING TITLE:

SOIL **BORING PROFILES**

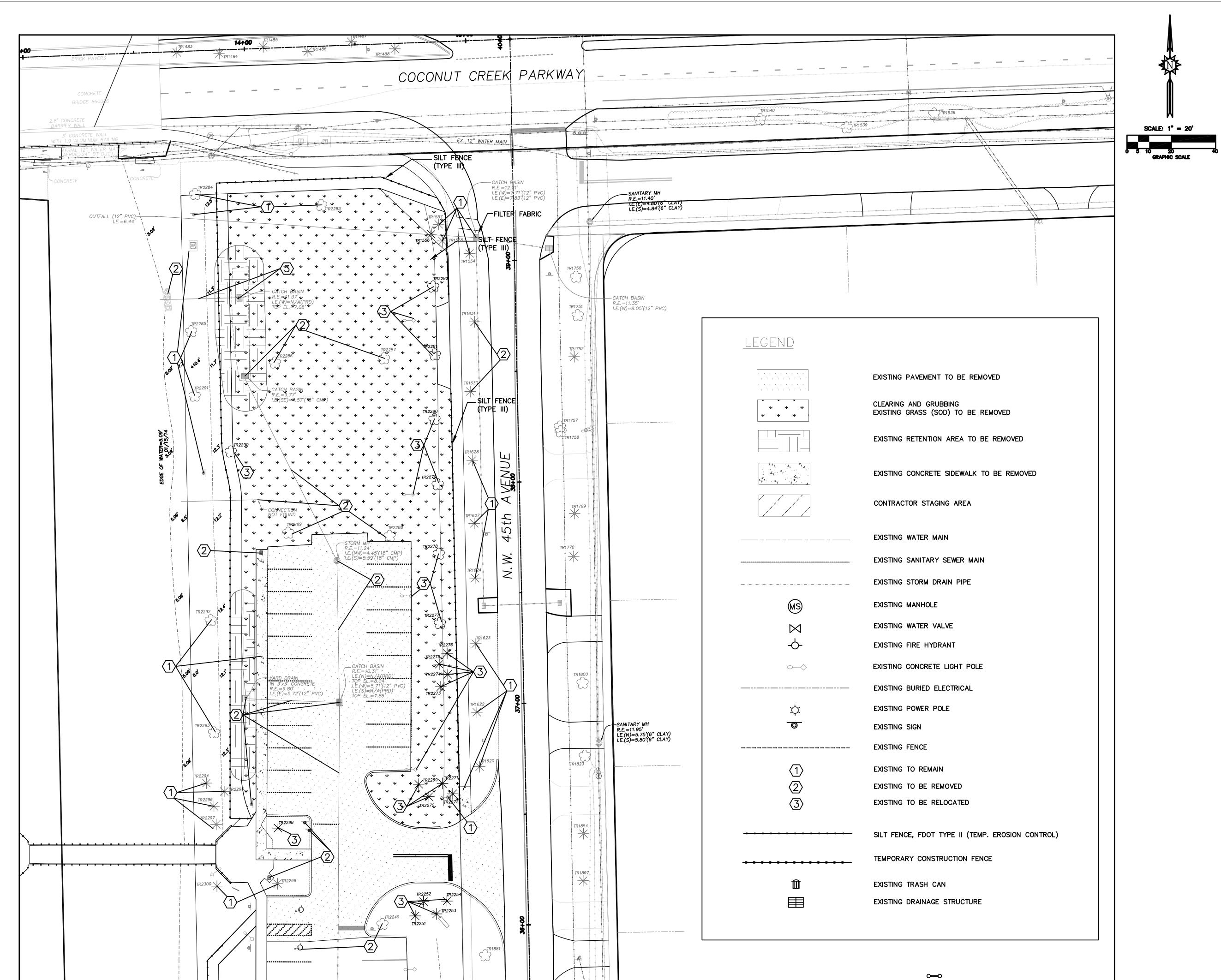
C.E.O. DRAWN CHECKED M.A.F. DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-1018

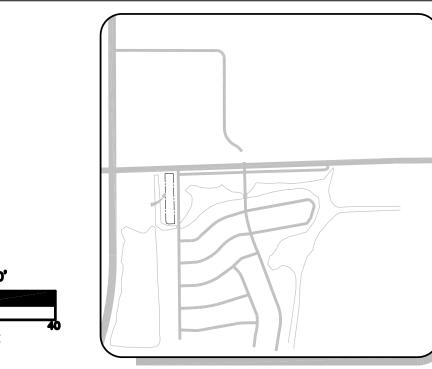
MARC A. FERMANIAN, P.E. SHEET: PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

STATE OF

G-6

DATE:





LOCATION MAP NOT TO SCALE

CONSULTANT:

NO. REVISION DATE

DRC COMMENTS 3/17/14

FIRE

NEW **PROPOSED**

DRAWING TITLE: **DEMOLITION** PLAN AND **EROSION CONTROL**

DRAWN CHECKED M.A.F. DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-1018

SHEET: G-7

No 52626

MARC A. FERMANIAN, P.E.

PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

Construction Activity: The work consists of constructing an apron area for Hangar H of Galaxy Aviation at Palm Beach International Airport (PBIA) in Palm Beach County, Florida. Construction activities includes: Placing/grading fill for new hangar and office space building, site development, asphalt apron and extension to taxilane tug area, installation of swale retention

Project Limits: All proposed construction activities are within The Legal Property Limits of Palm Beach International Airport .Property limits are within Section 36, Township 43 South, Ranges 42 and 43 East of Palm Beach County, Florida.

Major Soil Disturbing Activities: Soil disturbing activities (i.e., excavation, fill, and site grading) will be associated with site clearing and grubbing activities, placing/grading fill material for asphalt apron area, and installation of swale retention area.

Soil disturbing activities will be conducted in construction phases to limit the exposure of bare soils to reduce soil loss due to erosion.

The Contractor shall be responsible for minimizing erosion potential by providing temporary seeding and water for areas that have been cleared and will remain inactive

for a period greater than three calendar days. Total Project Area = 9.19 Ac

Total Area to be Disturbed = 9.19 Ac

Runoff Coefficients Before, During, and After Construction Activities: Runoff Coefficient (Before) = 0.35 (Grassed/Comercial Property)

Runoff Coefficients (During) = 0.70 (Exposed Soil)

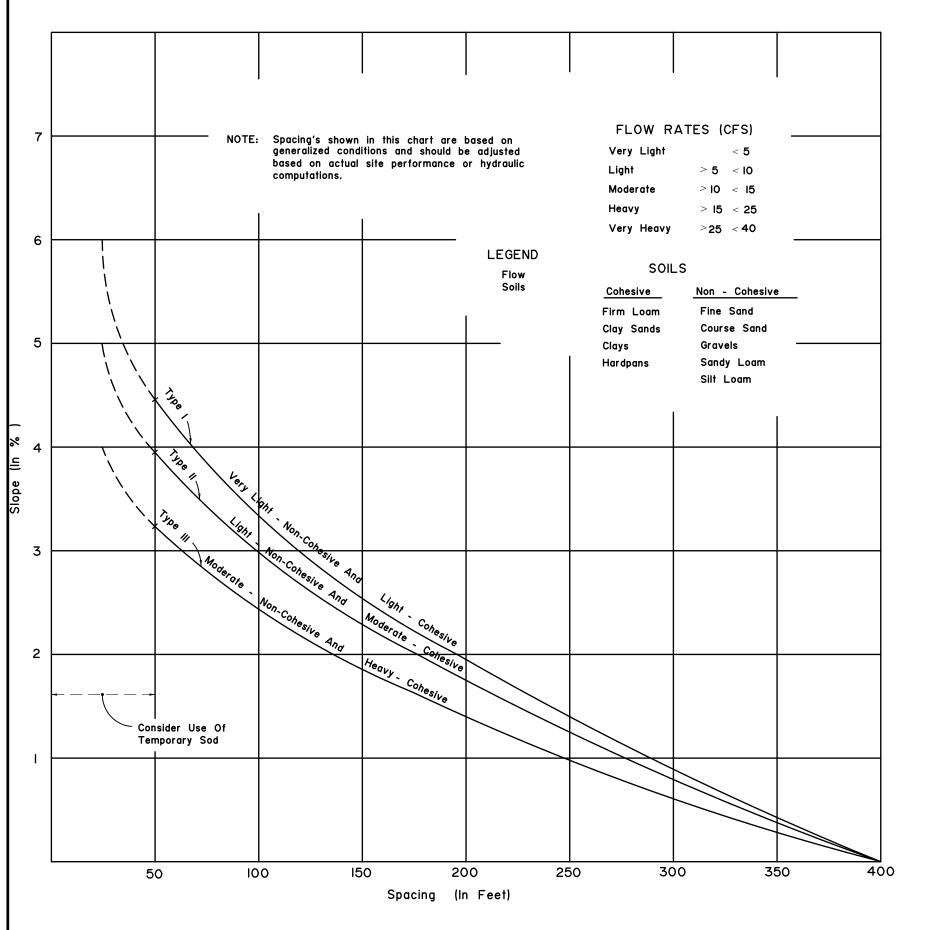
Runoff Coefficients (After) = 0.90 (Finished Aircraft Apron With Grass Swale)

Runoff Coefficients will vary during construction from 0.35 to 0.90 in proportion to the construction completeness.

Description of Soils: General soils information was obtained from the US Department of Agriculture Soil Conservation Service's Soil Survey of Palm Beach County, December 1978 edition. Soils within the Project Limits vary by nomenclature but consist of Sands/Urban Land Fill and have a composite hydrologic classification of type "A/D"

Name of Receiving Body of Water: The project stormwater system outfalls into the SFWMD C-51 canal which ties in with the Intracoastal Waterway and ultimately outfalls into the Atlantic Ocean.

Wetland Area: there are no jurisdictional wetlands involved with the Project



CHART

RECOMMENDED SPACING FOR TYPE I AND TYPE II HAY BALE BARRIERS, AND TYPE III SILT FENCES

2. EROSION AND SEDIMENT CONTROLS

A.) Implementation of Erosion Controls: The sequence of Construction will be in accordance to the Maintenance of Traffic (M.O.T.) Plan Sheets as presented within these Plans. Installation of controls will be in accordance with the Plans. Technical Specification, and "FDOT Standard Specifications for Road and Bridge Construction (2013)" Section 104. At the Contractor's own expense and discretion, an alternative plan may be implemented.

in order to enhance appropriate control of site erosion during environmentally sensitive construction activity. The Contractor shall supply PBIA & Owner with SWPP Plan Changes signed and sealed by a registered Professional Engineer for implementation of alternate

B.) Drainage Conveyance: Drainage during construction of this Project will be conveyed within the Project Limits as found in the existing site conditions and demonstrated throughout the construction

3. EROSION AND SEDIMENT CONTROL SYSTEM

A.) During construction, the Contractor will provide temporary seeding and/or mulching for areas which have been cleared and not reworked within three calendar days. The entire disturbed areas will be graded, sodded and/or seeded upon completion. The cost of Temporary Seeding & Watering and Mulching will be paid under the Seeding and Sodding pay item number.

B.) All inlets shall be protected from sediment intake for the entire duration of the project. Hay bales shall be installed around inlets, where necessary.

C.) Fencing shall be used throughout the project's length; silt fencing location will be verified by the Project Engineer.

D.) Floating Turbidity Barriers shall not be utilized for this Project.

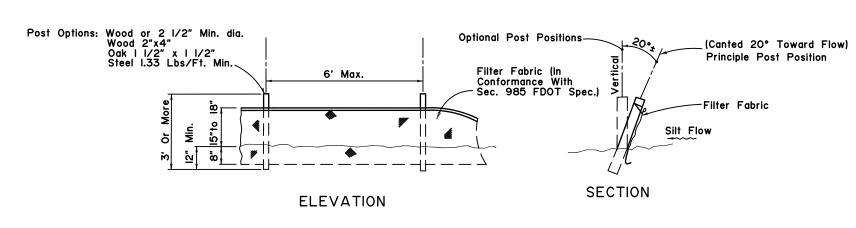
E.) Temporary Erosion Control devices are shown within the Plans and are quantified below:

Staked Silt Fence (LF) = O BALES Hay Bales w/ stakes (EA)

Floating Turbidity Barriers (LF) = 0 LF

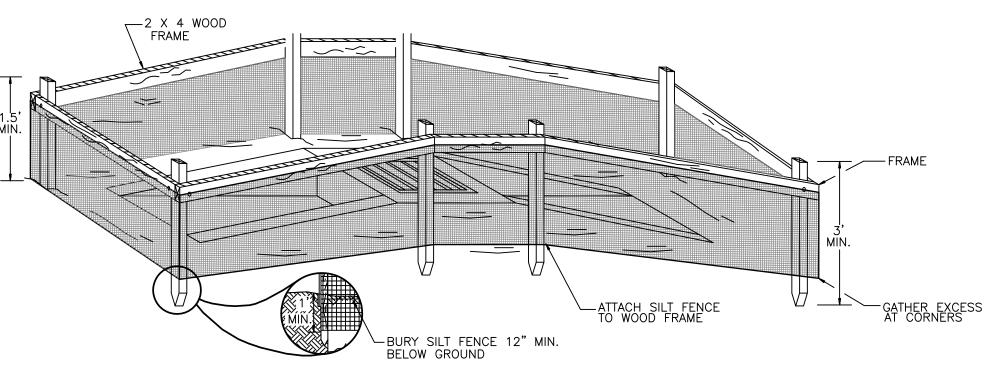
The devices itemized above will be implemented according to this narrative, the Technical Specifications, and the Plans.

F.) Additional Sedimentation and Erosion Control devices may be utilized as deemed necessary by the Field Engineer. Additional devices will be an incidental cost incurred by the Contractor.



Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).

FDOT TYPE III SILT FENCE



NOTE: SEE STORM WATER POLLUTION PREVENTION PLAN FOR LOCATION OF ALL SILT FENCE.

TYPICAL DRAINAGE INLET SEDIMENTATION PROTECTION DETAIL

4. OTHER CONTROLS

A.) Waste Disposal: The Contractor shall provide litter control and collection within the construction boundaries during the duration of construction activity. All fertilizer, hydrocarbons, or other hazardous materials utilized during construction shall be disposed of by the Contractor according to local, State and Federal (EPA) standard practices as detailed by the manufacturer.

B.) Sanitary Waste: This project can be classified as being a "rural" area. The Contractor's field office will require permits for sewage treatment in accordance with FAC 64E-6, "Standards for On-Site Sewage Disposal Systems." Portable units provided by the Contractor will be serviced by a licensed sanitary waste management contractor a minimum of three time per

C.) Non-Stormwater Contaminants : If contaminated soils and/or groundwater is encountered during excavation, the Contractor will notify the Field Engineer immediately.

5. MAINTENANCE OF EROSION AND SEDIMENT CONTROLS

A.) The Contractor shall be responsible for daily inspection and maintenance of all control devices throughout the construction phasing. Maintenance shall be conducted in accordance with "FDOT Standard Specifications for Road and Bridge Construction (2013)" Section 104, and "FDOT Roadway and Traffic Design Standards (2013 or latest edition)" Standard Indices 100 - 106.

B.) All devices will be maintained in good working order; if repair is necessary, it will be completed within 24 hours of report.

C.) Built up sediment shall be removed from the Staked Silt Fence and Hay Bales when it reaches one-third the fence height.

D.) Staked Silt Fencing will be inspected for depth of sediment, tears in fabric, to determine if fabric is securely attached to the fence posts, and to determine if the fence posts are hammered firmly into the around.

6. INSPECTION

The Field Engineer shall be responsible for completing the weekly inspection reports and submission of the reports to the Department of Environmental Protection (FDEP) on a monthly basis. Inspection will be conducted and recorded after rainfall events greater than 0.25 inches.

SFWMD CONSTRUCTION PERMIT NO. 50-0047I-S

SILT FENCE NOTES

SILT FENCE SHALL BE IN PLACE PRIOR TO GRADING.

SILT FENCE AND FILTER FABRIC MUST BE ENTRENCHED.

POSTS FOR SILT FENCES SHALL BE EITHER 2.5 X 2 INCH DIAMETER WOOD OR 1.25 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.

WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.

POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MIN. OF 12 INCHES) WHEN EXTRA STRENGTH FABRIC IS USED. WITHOUT THE WIRE SUPPORT FENCE, POSTS SHALL NOT EXCEED 8 FEET.

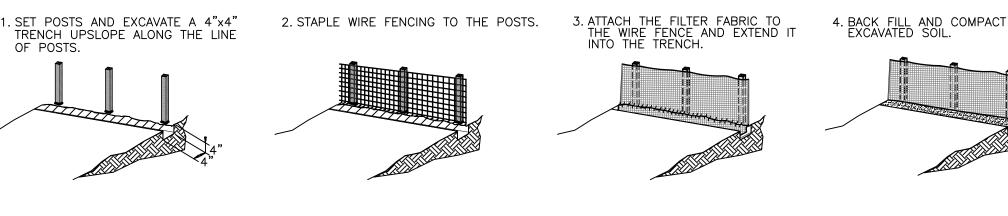
WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POST.

SEDIMENT MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ON-HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE PROPOSED AND EXISITNG GRADES, PREPARED AND SEEDED OR SODDED.

UNDER NO CIRCUMSTANCES SHALL SILT FENCE BE CONSTRUCTED IN LIVE STREAMS.

SILT FENCE SHALL BE REMOVED UPON COMPLETION OF THE PROJECT OR AT A TIME DIRECTED BY THE OWNER. IF THE OWNER FEELS IT IS NECESSARY FOR THE SILT FENCE TO REMAIN IN PLACE FOR SOME GIVEN TIME AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL LEAVE IT IN PLACE, IN THE PROPERLY INSTALLED WAY, AND WILL, AT THE DIRECTION OF THE OWNER, REMOVE IT AT NO ADDITIONAL COST TO THE OWNER WHEN THE OWNER DEEMS IT



NOTE: SEE STORM WATER POLLUTION PREVENTION PLAN FOR LOCATION OF ALL SILT FENCE.

SILT FENCE CONSTRUCTION DETAILS

EXTENSION OF FABRIC AND WIRE INTO THE TRENCH.

STATE OF

MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

G-8

NO. REVISION DATE DRC COMMENTS 3/17/14

CONSULTANT:

CRJ & Associates, In Consulting Engineers and Planne Florida Authorization # 0008245 2009 Stirling Rood, Suite B-201, FLLuuderdels, Florida 333 Tel. (984) 2394-4330 - Fac. (894) 2394-4331

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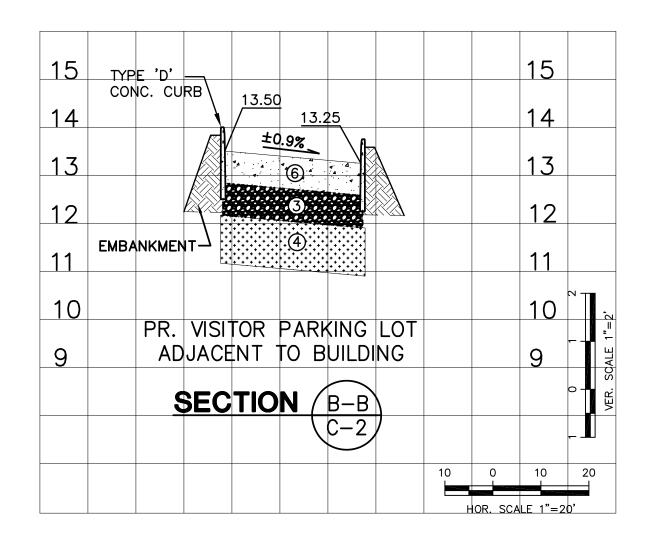
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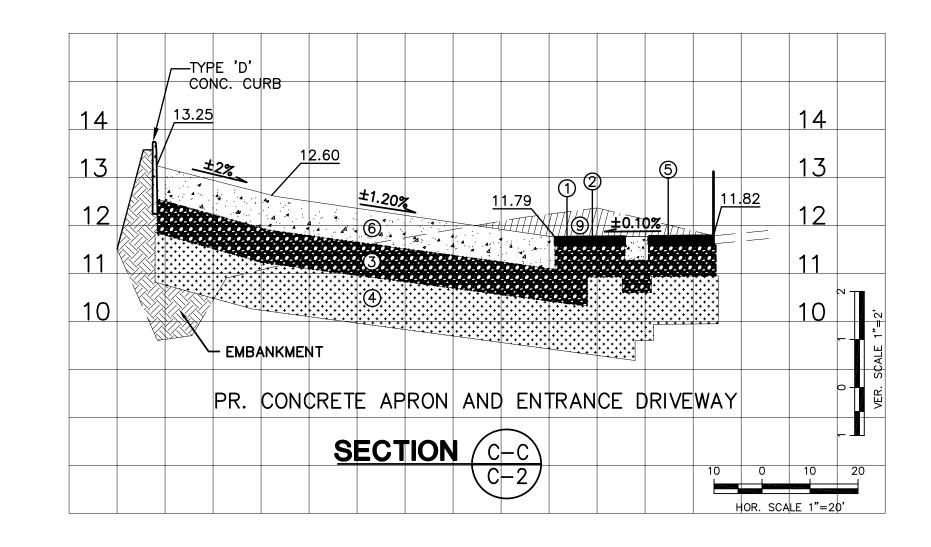
DRAWING TITLE: STORMWATER

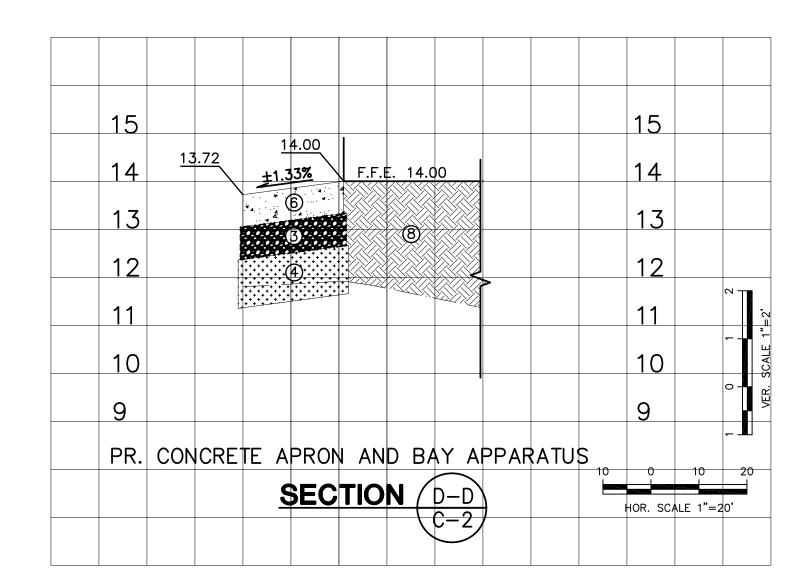
POLLUTION PREVENTION PLAN SHEET C.E.O. DRAWN

CHECKED DATE 03/17/2014

SCALE AS NOTED PROJ. NO. CNK-1018 SHEET:



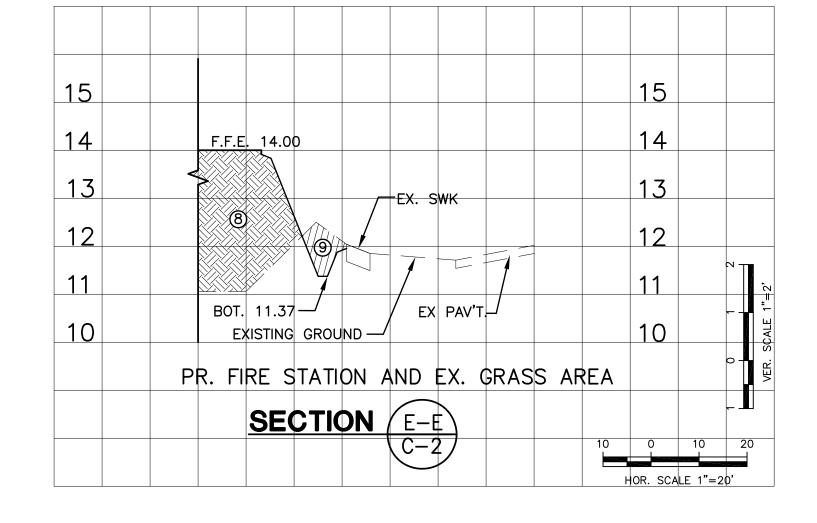


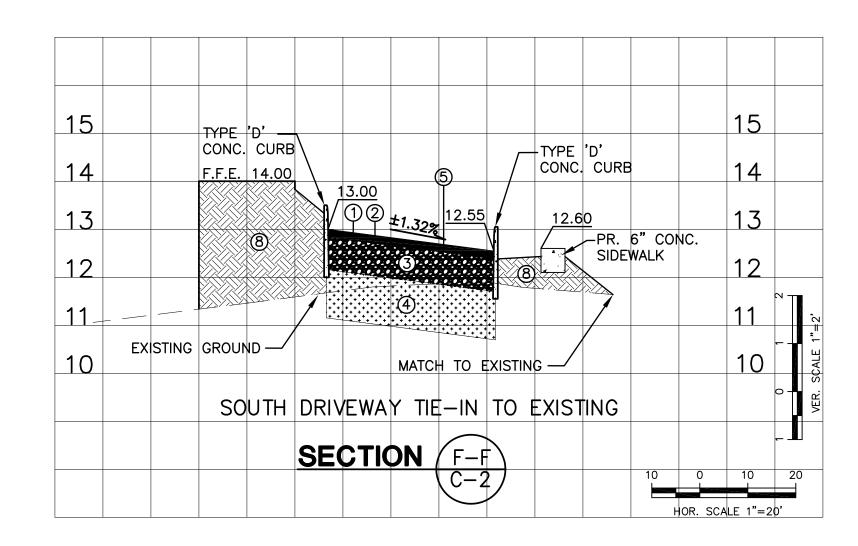


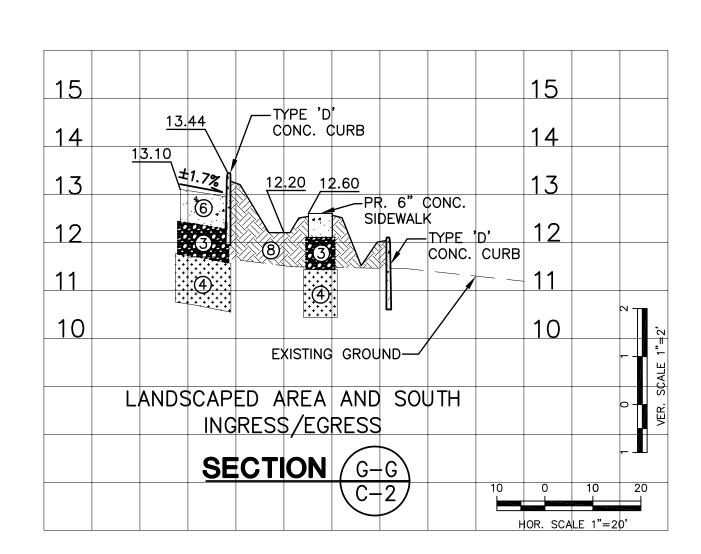
LEGEND:

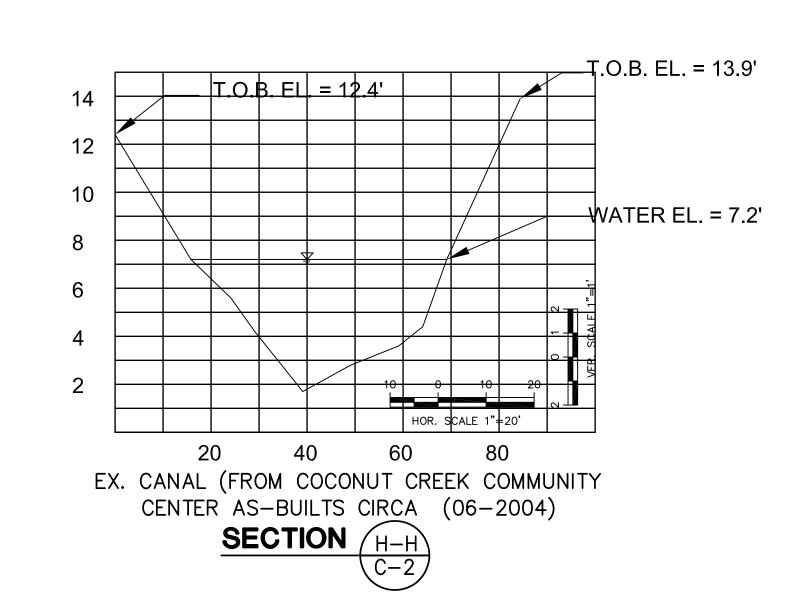
- 2" BITUMINOUS SURFACE COURSE TYPE S-3: 2 LIFTS AT 1" LIFTS BITUMINOUS PRIME COAT
- 8" LIMEROCK BASE COURSE (LBR-100) COMPACTED @ 100% MAX. DENSITY, WITH A MINIMUM 70% CARBONATES OF CALCIUM AND MAGNESIUM.
 - 12" STABILIZED SUBGRADE (LBR-40) @ 100% MAX. DENSITY
- BITUMINOUS TACK COAT
- 8" THICK CONCRETE APRON (COMPRESSIVE STRENGTH AT 4,000 PSI) PERVIOUS PAVERS
- EMBANKMENT COMPACTED AT 100% MAX. DENSITY
- EXCAVATION (CUT)

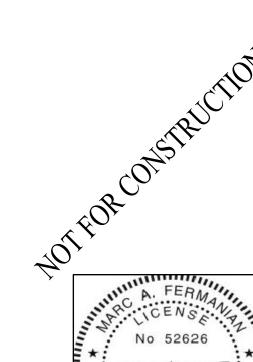
CONTRACTOR TO COMPLY WITH THE FDOT INDICES OF THE "ROADWAY AND TRAFFIC DESIGN STANDARDS", JANUARY 2013 EDITION.

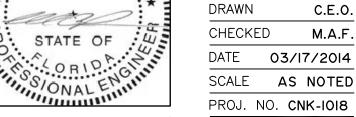












MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

DATE:

C-1

NO. REVISION DATE DRC COMMENTS 3/17/14

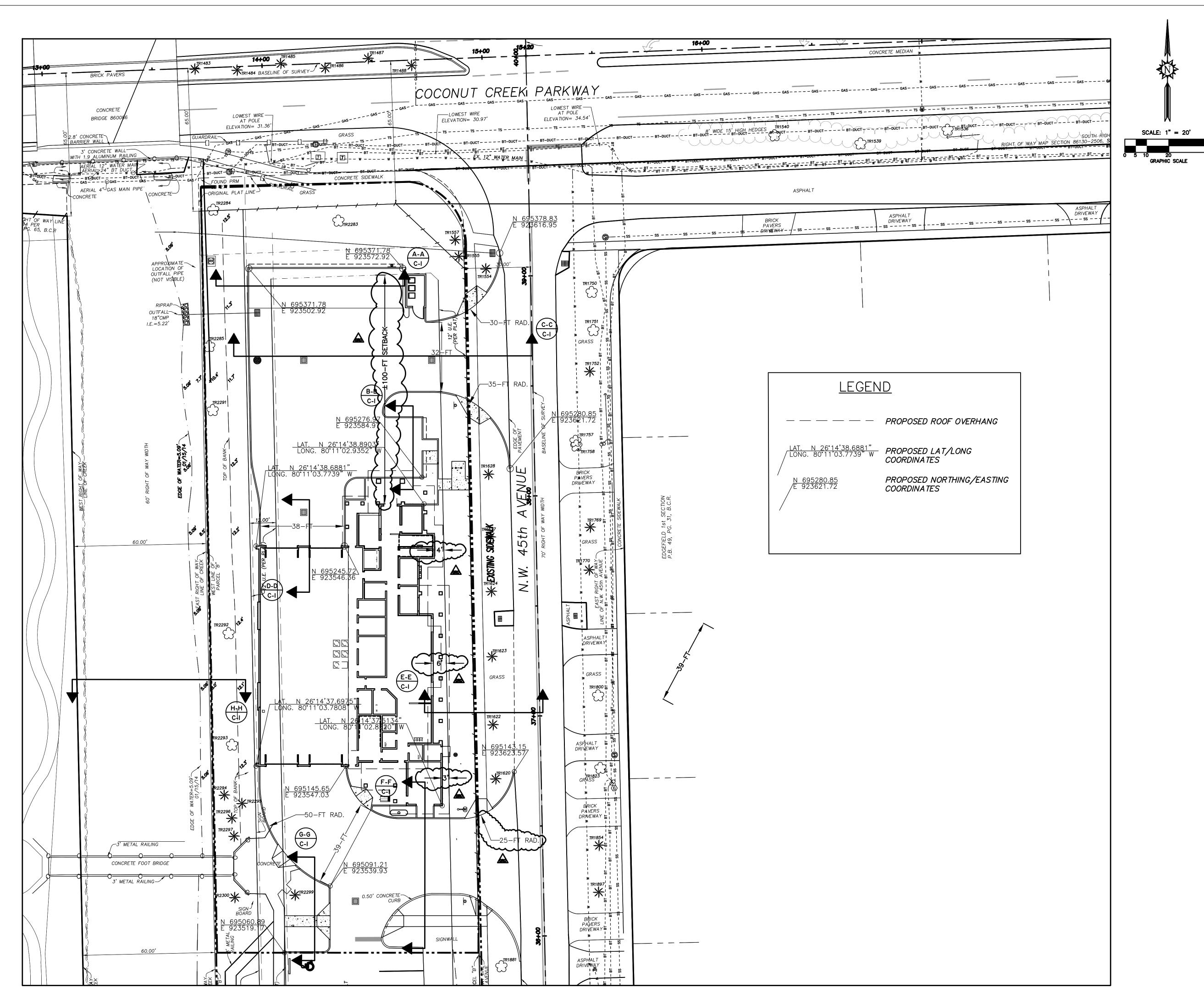
CONSULTANT:

CRJ & Associates, Inc.
Consulting Engineers and Planner
Florida Authorization # 0008245
2009 String Root, Suite B-20, PLUGARded In Fords 3331
CR (264) 238-4330 - Fox (264) 238-4331

FIRE

PROPOSED

ARCHITECTS



LOCATION MAP NOT TO SCALE

CONSULTANT:

NO. REVISION DATE

50% CD SET 04/10/14

DRC COMM#2 04/17/14

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DRAWING TITLE: **GEOMETRY**

LAYOUT PLAN C.E.O. CHECKED M.A.F. DATE 04/10/2014

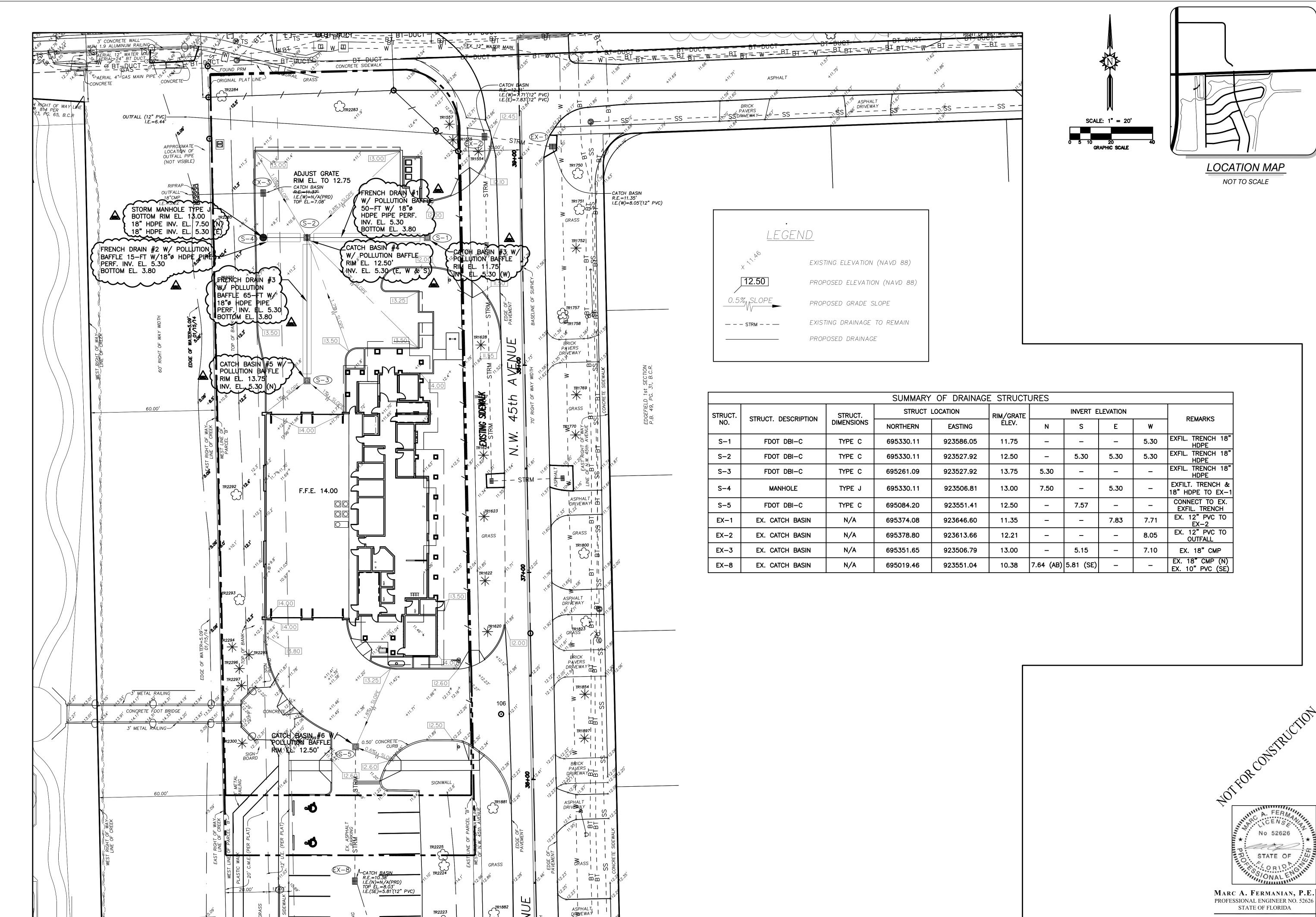
SCALE AS NOTED PROJ. NO. CNK-1018 SHEET:

DATE:

STATE OF

MARC A. FERMANIAN, P.E.

PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA



NO. REVISION DATE 50% CD SET 04/10/14

DRC COMM#2 04/17/14

CONSULTANT:

CRJ & Associates, Inc.
Consulting Engineers and Planners
Florida Authorization # 0008245
2009 String Bood, State B-201, PLLusderdak, Profits 33312
Page 1004, 238-4330 - Fax (504) 239-4331

FIRE

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DRAWING TITLE: **PAVING**

GRADING AND DRAINAGE PLAN

DRAWN CHECKED M.A.F. DATE 04/10/2014 SCALE AS NOTED PROJ. NO. CNK-1018

C-3

STATE OF FLORIDA

DATE:

DRC COMMENTS 3/17/14

CONSULTANT:

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AVE. 43

NEW

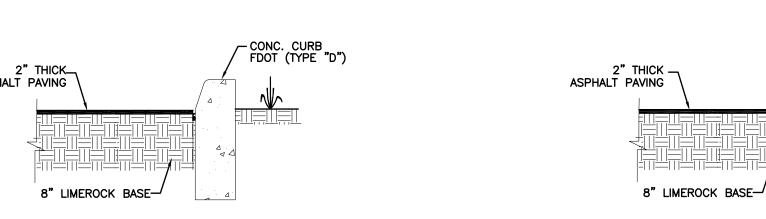
PROPOSED

DRAWING TITLE:

DETAILS C.E.O.

CHECKED M.A.F. DATE 03/17/2014
SCALE AS NOTED PROJ. NO. CNK-1018 SHEET:

MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA



EXPANSION JOINT DETAILS (A) (B)

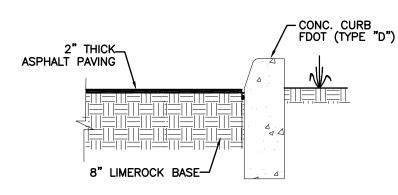
B = CONSTRUCTION JOINT (NO SAW-CUT)

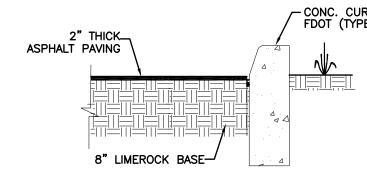
A = SAW-CUT JOINT

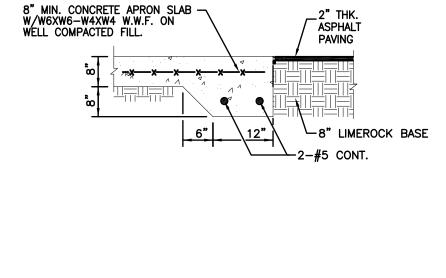
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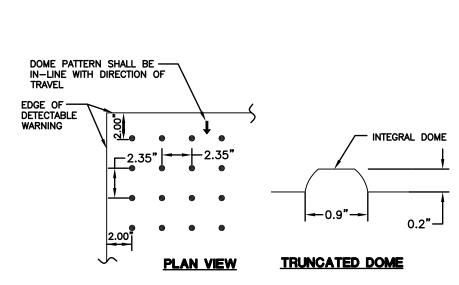
PUBLIC SIDEWALK CURB RAMP

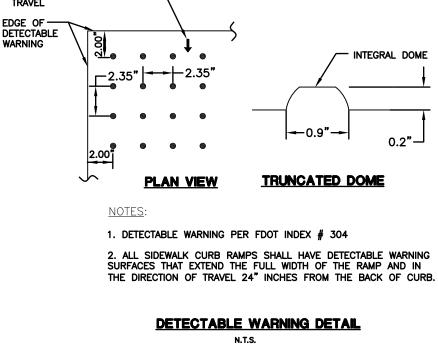
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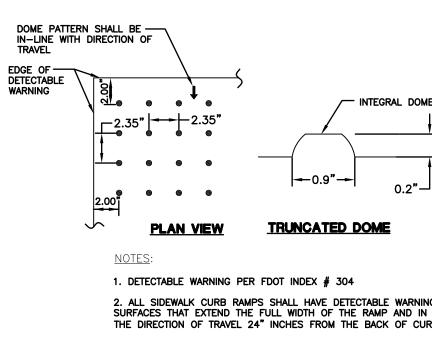


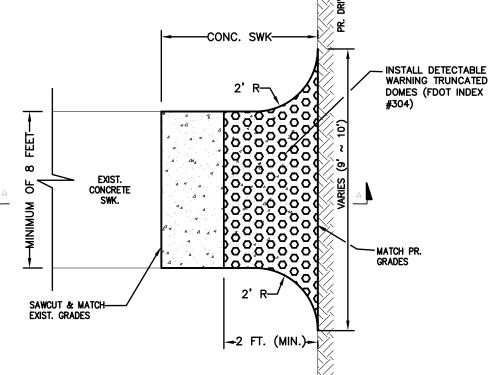






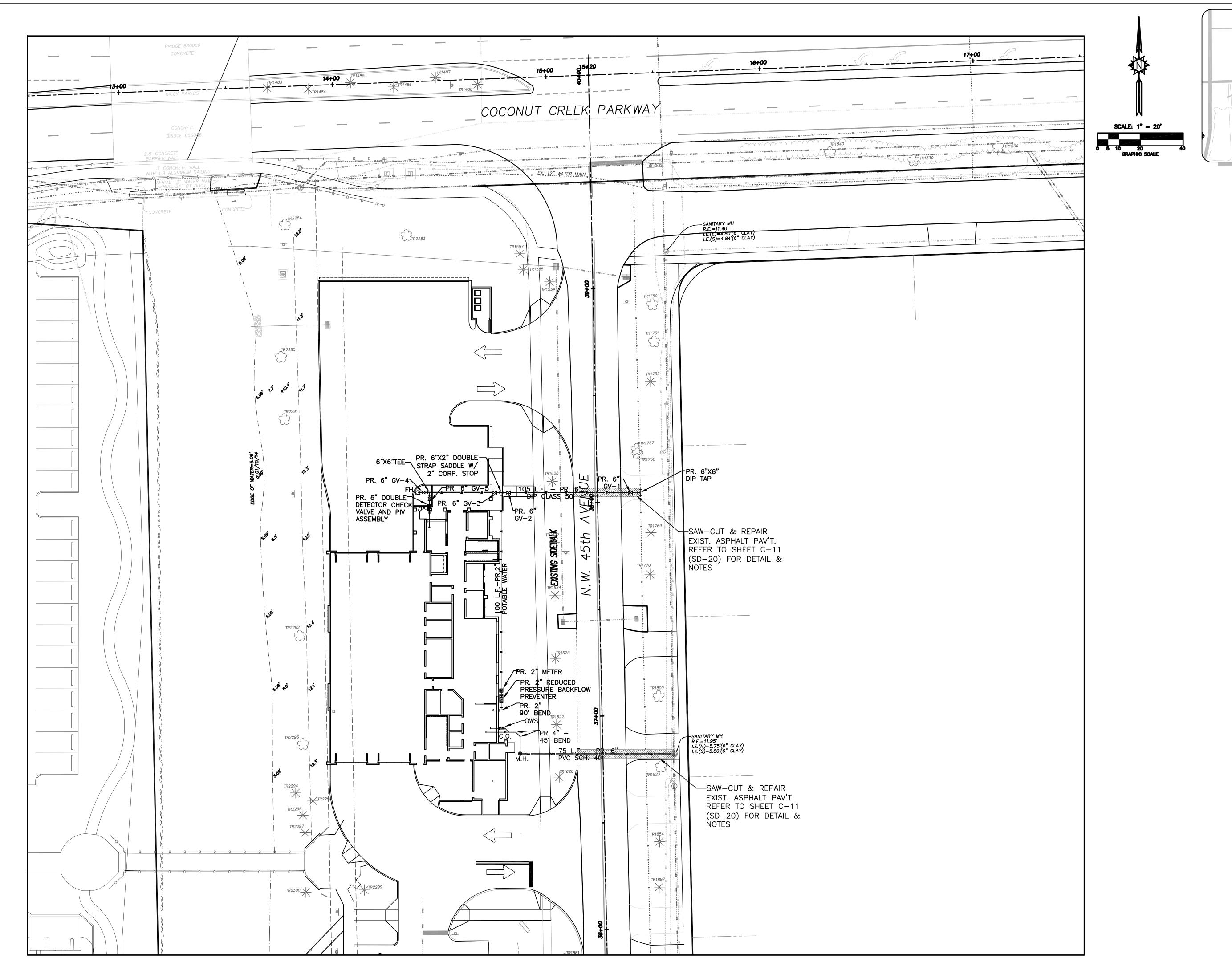


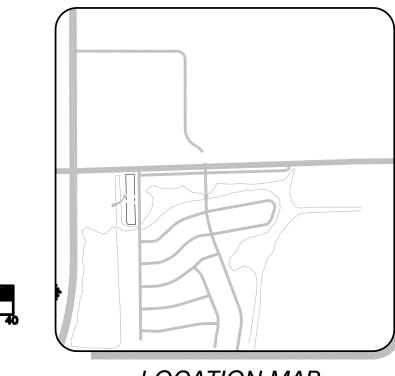




FINTERIOR APPARATUS
GARAGE FLOOR (CONCRETE)
REFER TO STRUCTURAL DRAWINGS

8" MIN. CONCRETE APRON SLAB— W/W6XW6-W4XW4 W.W.F. ON WELL COMPACTED FILL.





LOCATION MAP NOT TO SCALE

CONSULTANT:

NO. REVISION DATE

DRC COMMENTS 3/17/14

FIRE

PROPOSED

DRAWING TITLE:

WATER AND SEWER PLAN

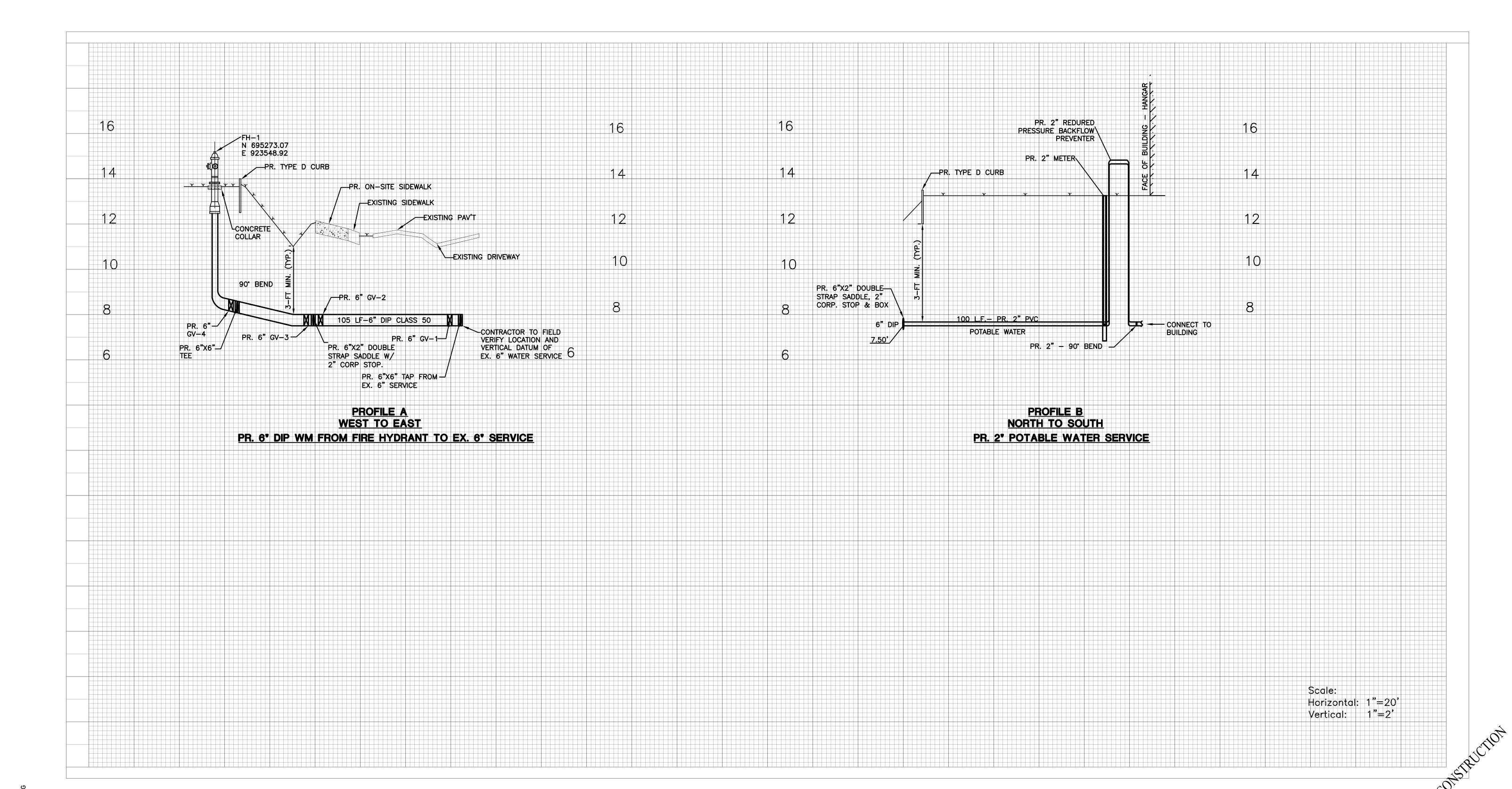
CHECKED M.A.F. DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-1018

MARC A. FERMANIAN, P.E. SHEET: PROFESSIONAL ENGINEER NO. 52626

STATE OF FLORIDA

SCALE AS NOTED MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626

STATE OF FLORIDA



NO. REVISION DATE DRC COMMENTS 3/17/14



PROPOSED NEW FIRE

43

CHITECTS,

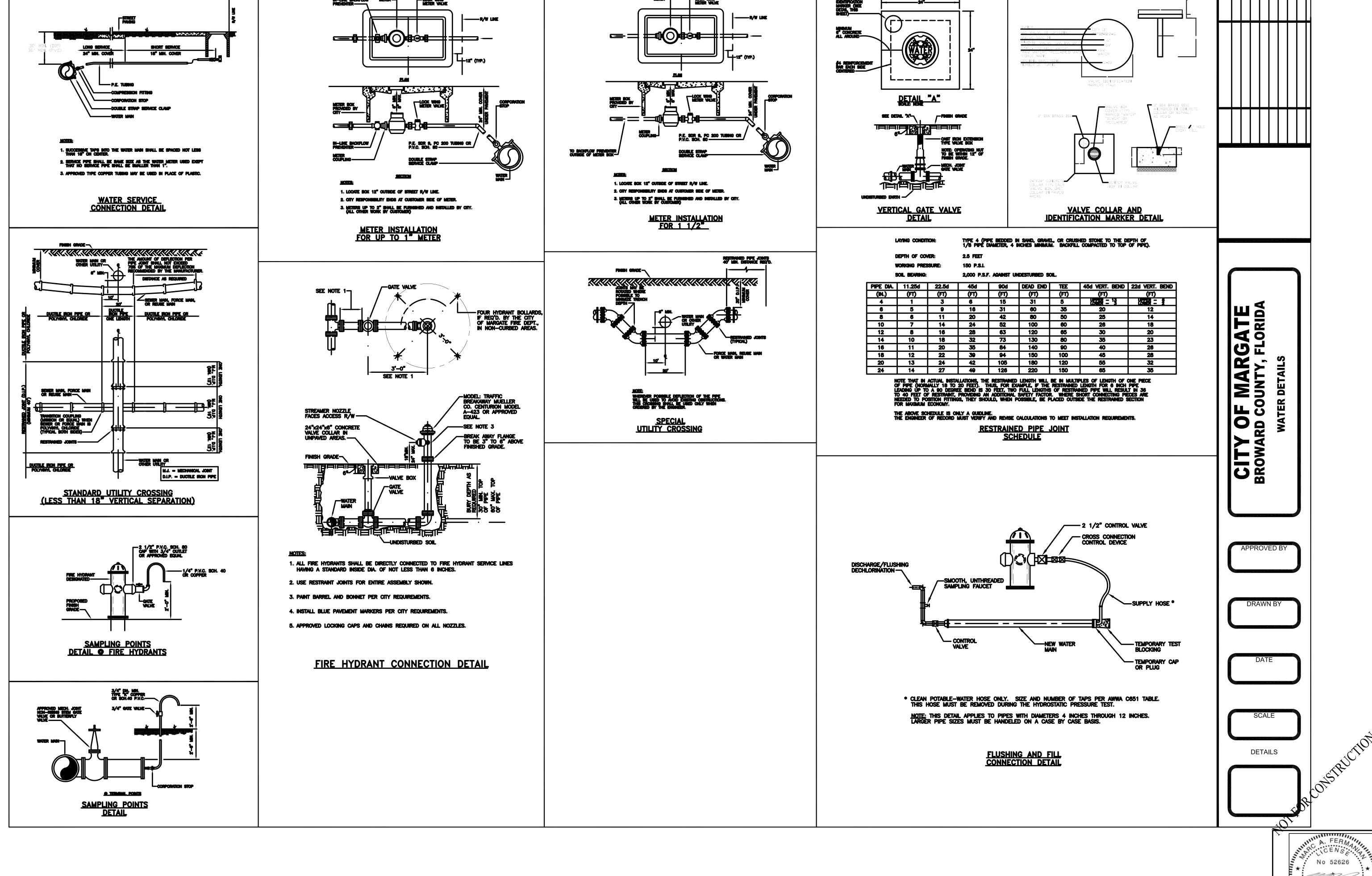
DRAWING TITLE:

SEWER **PROFILE**

C.E.O. CHECKED M.A.F. DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-IOI8

SHEET:

MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA



STATE OF

MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

SHEET:

DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-1018

DRAWING TITLE:

DRAWN

CHECKED

WATER DISTRIBUTION **DETAILS**

C.E.O.

M.A.F

NO. REVISION DATE

CONSULTANT:

FIRE

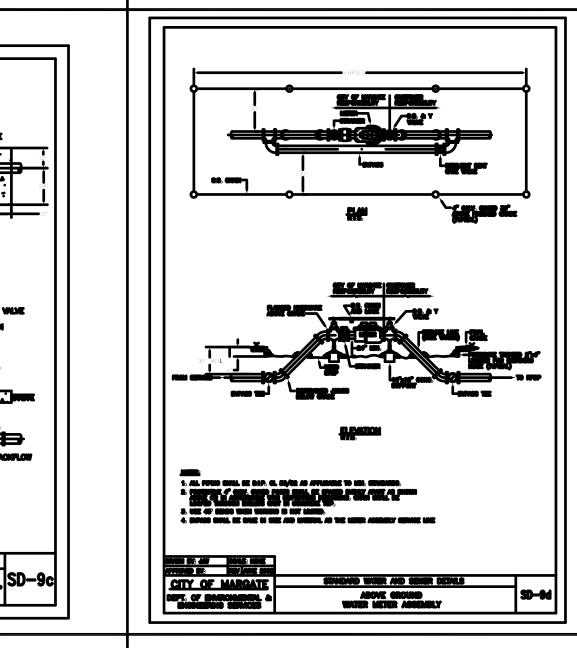
NEW

PROPOSED

CHITECT

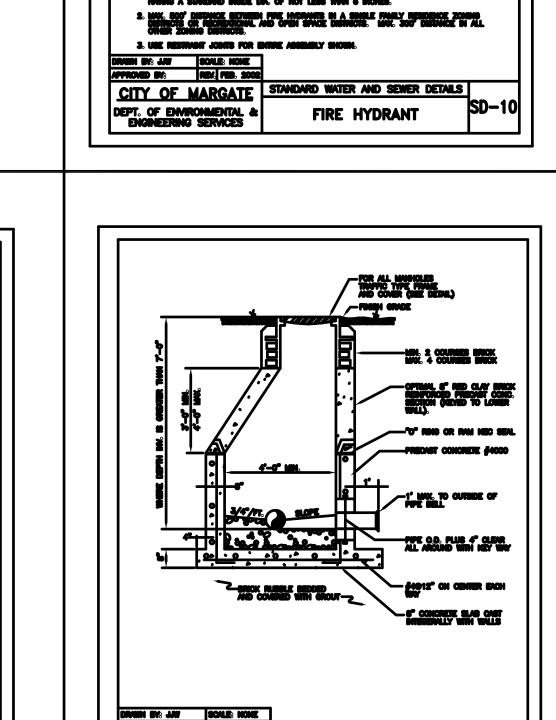
43

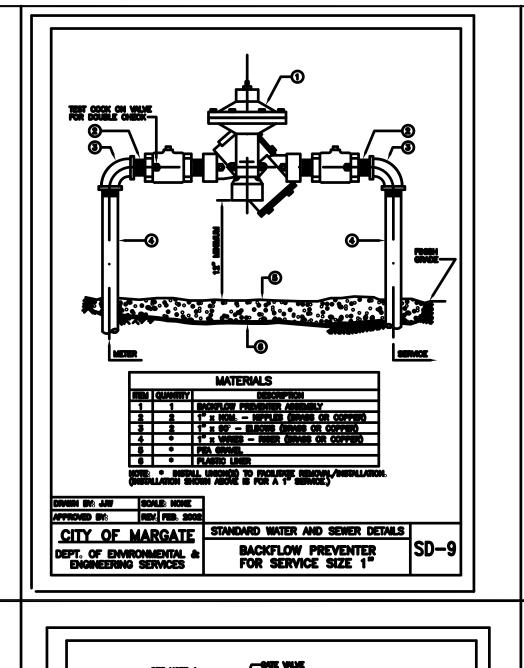
DRC COMMENTS 3/17/14



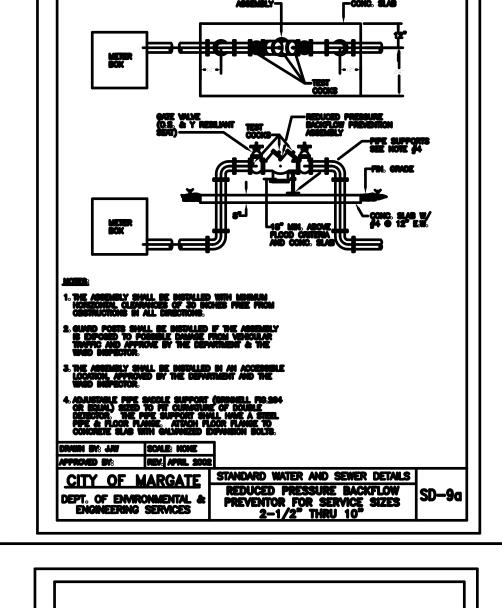
CITY OF MARGATE
DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES

STANDARD WATER AND SEWER DETAILS
TYPICAL BACTERIOLOGICAL SD-8
SAMPLING POINTS





MODEL: TRAFFIC BREAKWAY MAELLER CO. CENTURION MODEL NO. A-421 OR A-423 OR AFFROMED EQUAL

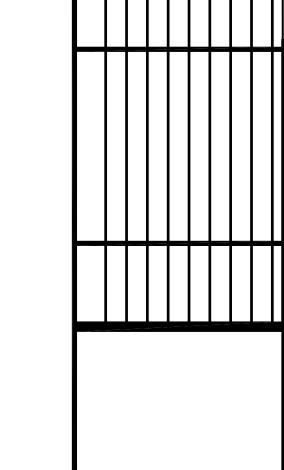


LIMITS OF TEST

CONNECTION

REMOVE TEMPORARY COMMECTION AT CORPORATION STOPS ON NEW MAIN AFTER FILLING & FLUSHING ING SEEN COMPLETED.

CITY OF MARGATE STANDARD WATER AND SEWER DETAILS



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CONSULTANT:

NO. REVISION DATE

DRC COMMENTS 3/17/14

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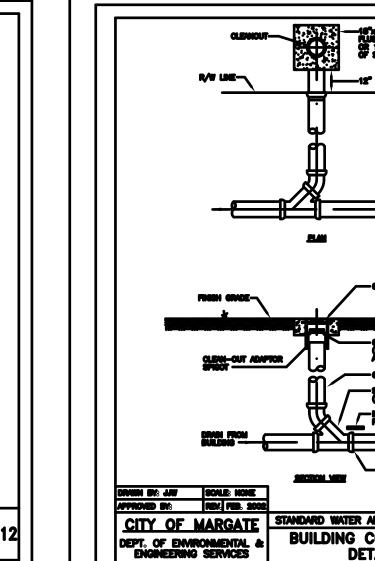
CHITECT

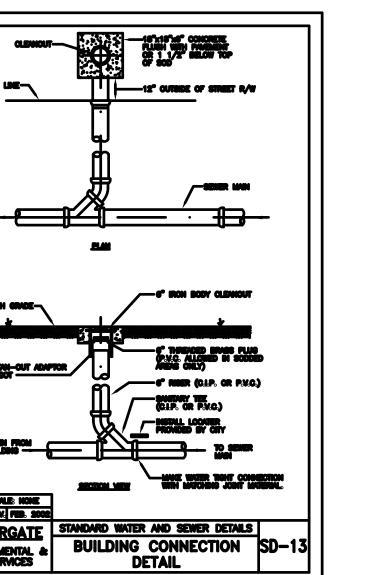
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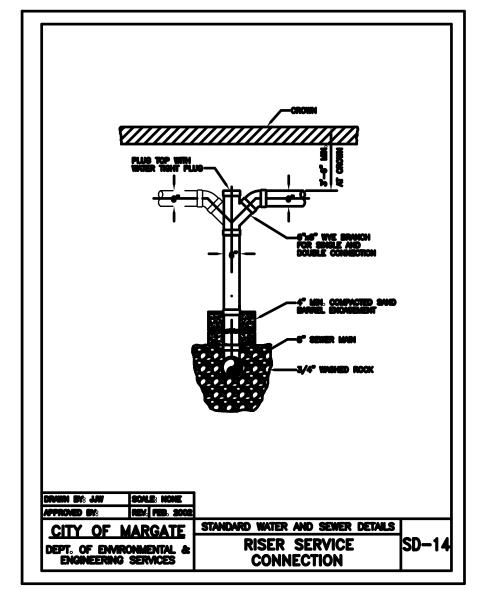
SANITARY SEWER DETAILS C.E.O. CHECKED M.A.F.

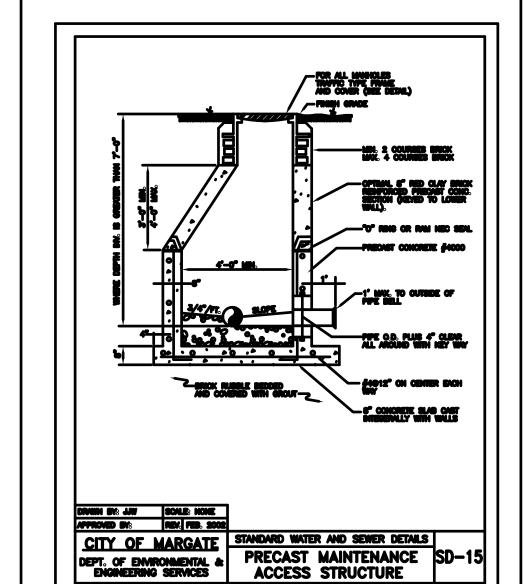
DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-1018

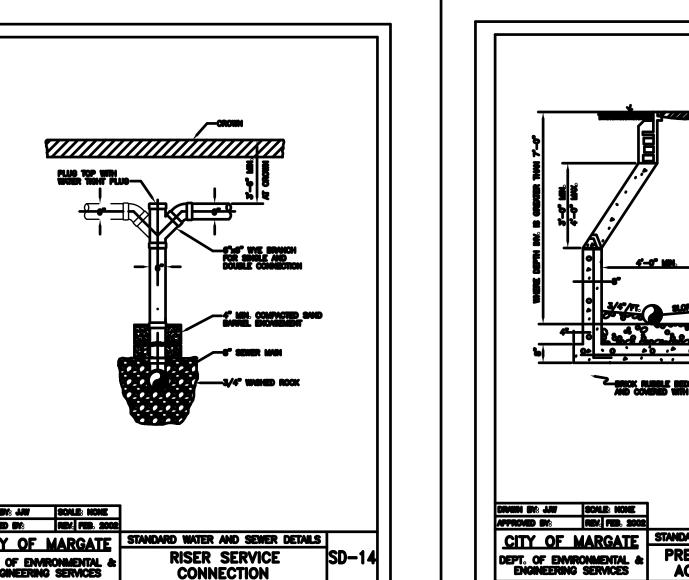
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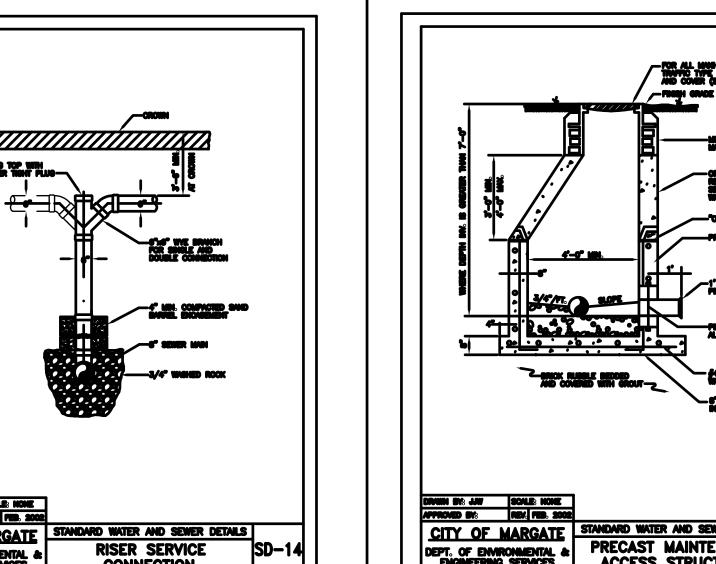


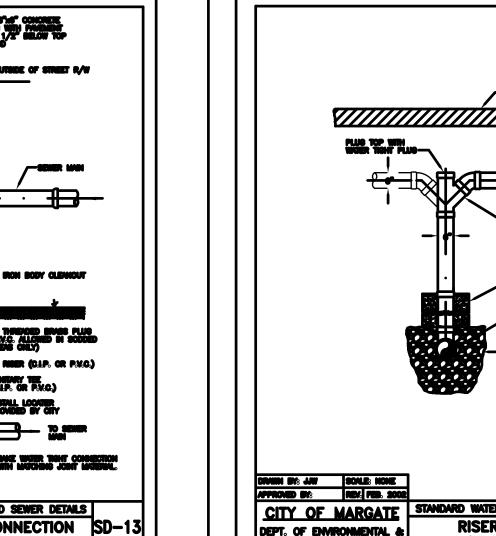








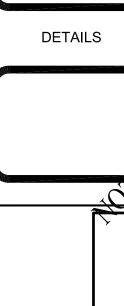




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APPROVED BY: REAL FEB. 2002

EPT. OF ENMRONMENTAL ENGINEERING SERVICES



No 52626 STATE OF MARC A. FERMANIAN, P.E.

PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

DRAIN SY: JAY SCALE: NONE APPROVED SY: REA! FEB. 2002

CITY OF MARGATE

WYE SERVICE CONNECTION

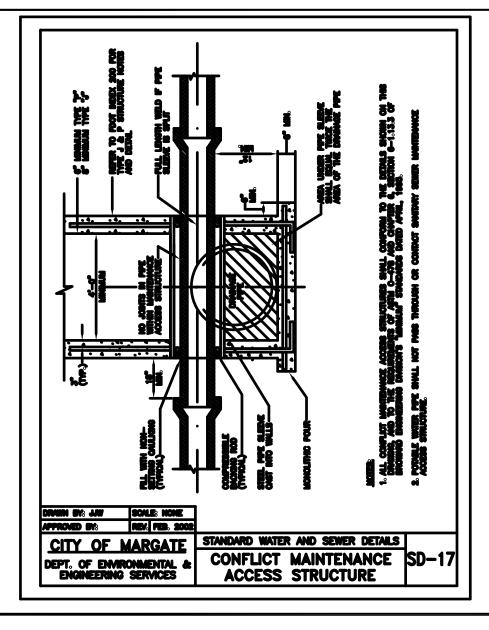
DRAWN

CITY OF MARGATE

DEPT. OF ENVIRONMENTAL & ENGINEERING SERVICES

SPECIAL UTILITY CROSSING

TYP. PLAN FOR 80' & 120' R/W SD-23a UNDERGROUND UTILITIES



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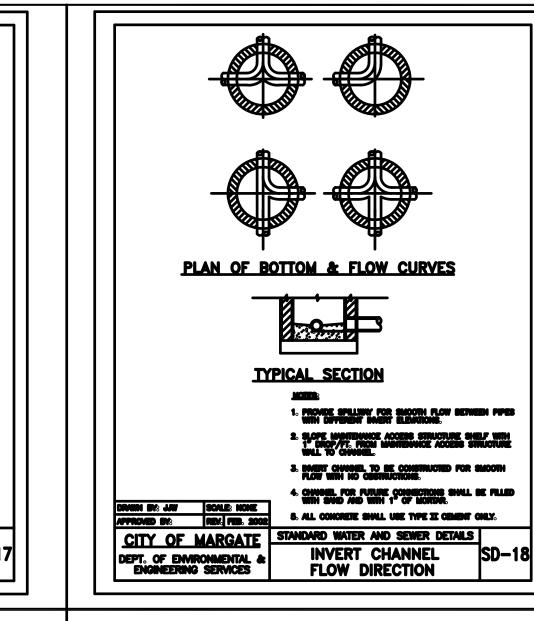
APPROVED BY: NEX. | FEB. 2002

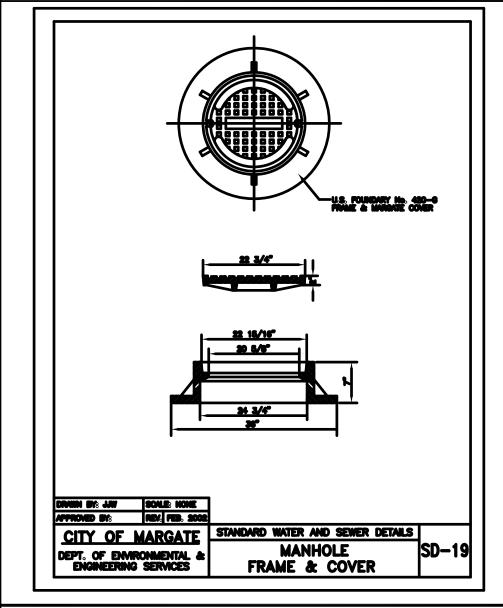
CITY OF MARGATE

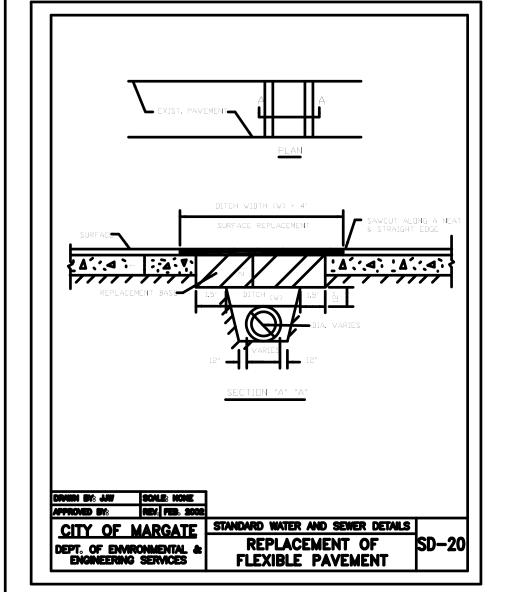
STANDARD WATER AND SEWER DETAILS

DEPT. OF ENVIRONMENTAL ENGINEERING SERVICES

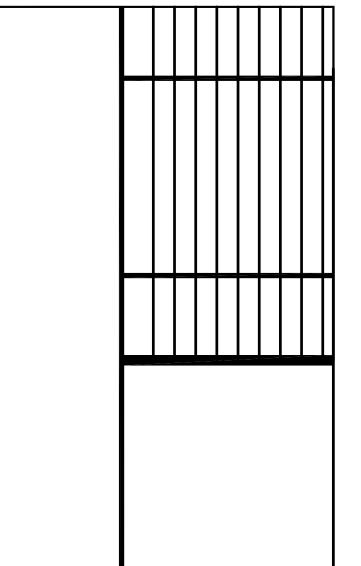
STANDARD UTILITY CROSSING







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CONSULTANT:



NO. REVISION DATE

DRC COMMENTS 3/17/14





FIRE

NEW **PROPOSED**

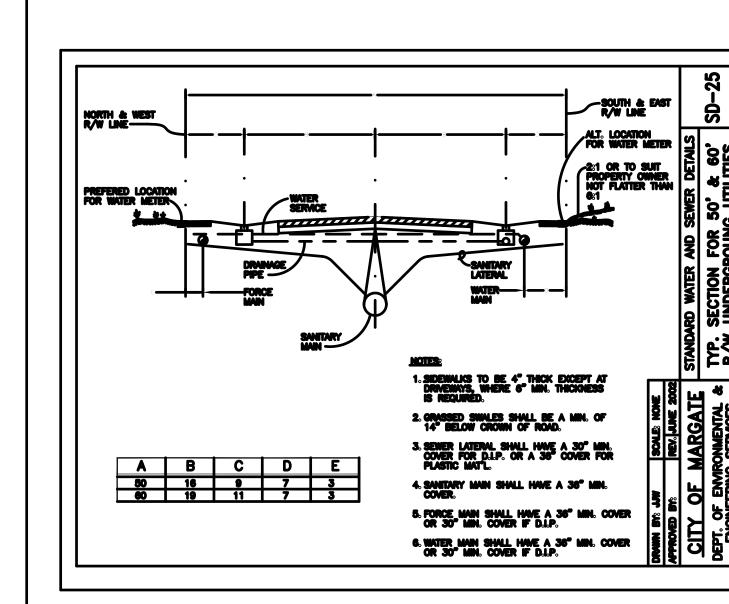
CHITECT

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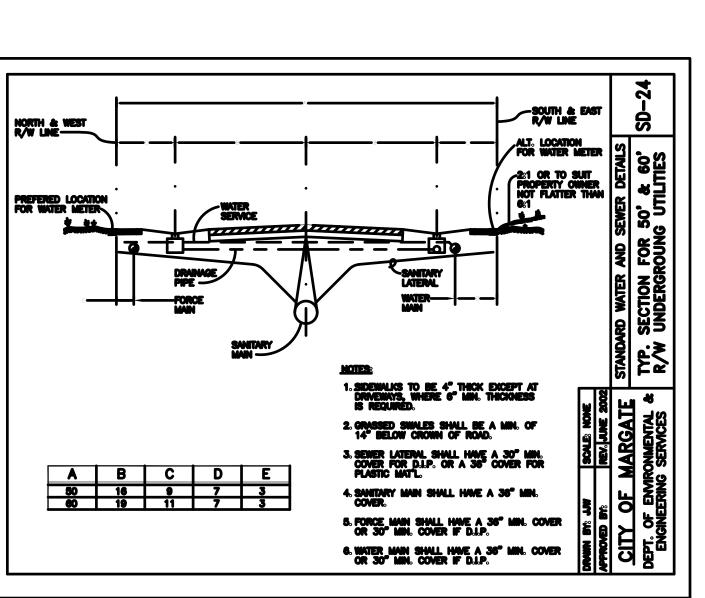
SANITARY SEWER DETAILS

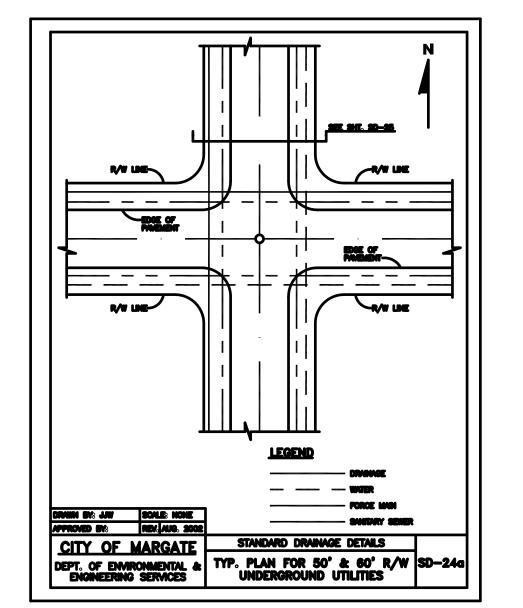
DRAWN C.E.O. CHECKED DATE 03/17/2014 SCALE AS NOTED PROJ. NO. CNK-1018

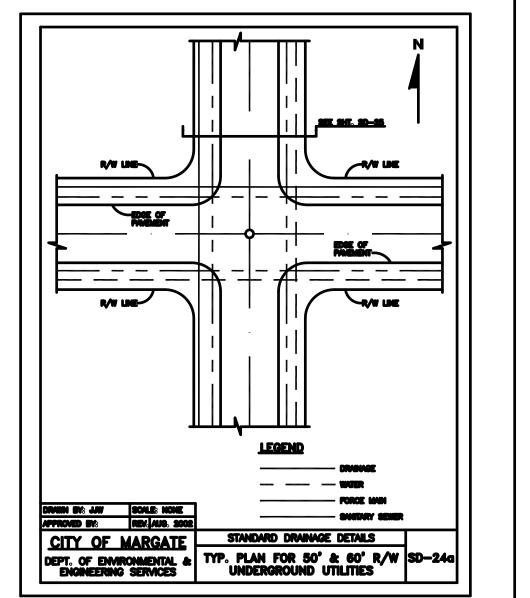
SHEET: C-10

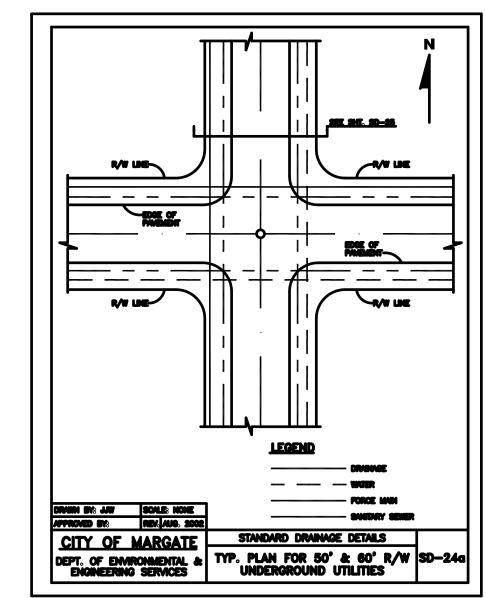


6. WATER MAIN SHALL HAVE A 36° OR 30° MIN. COVER IF D.I.P.

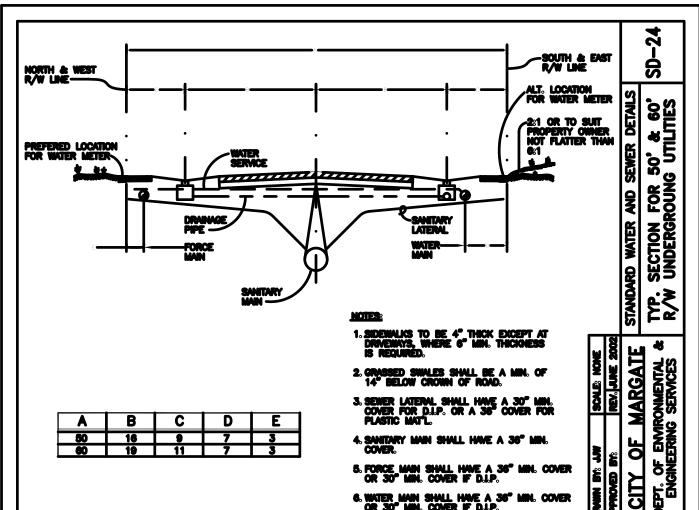


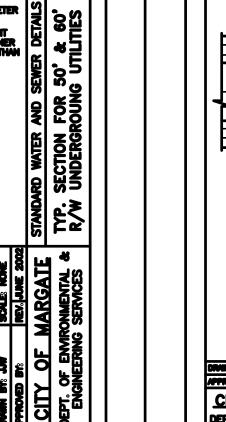






PRESSURE VACUUM BREAKER SD-22 (IRRIGATION SYSTEM ONLY) SD-84





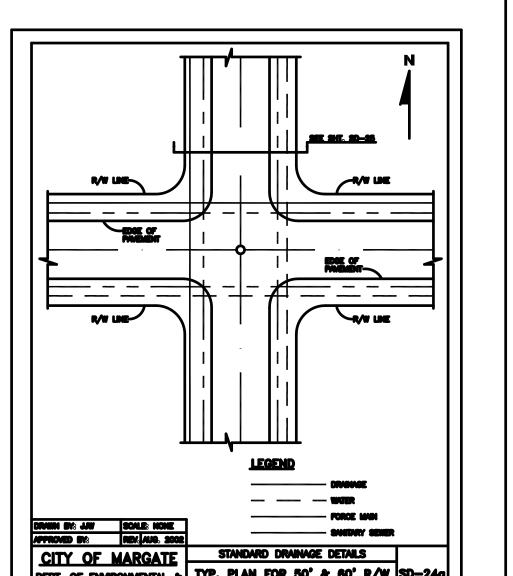
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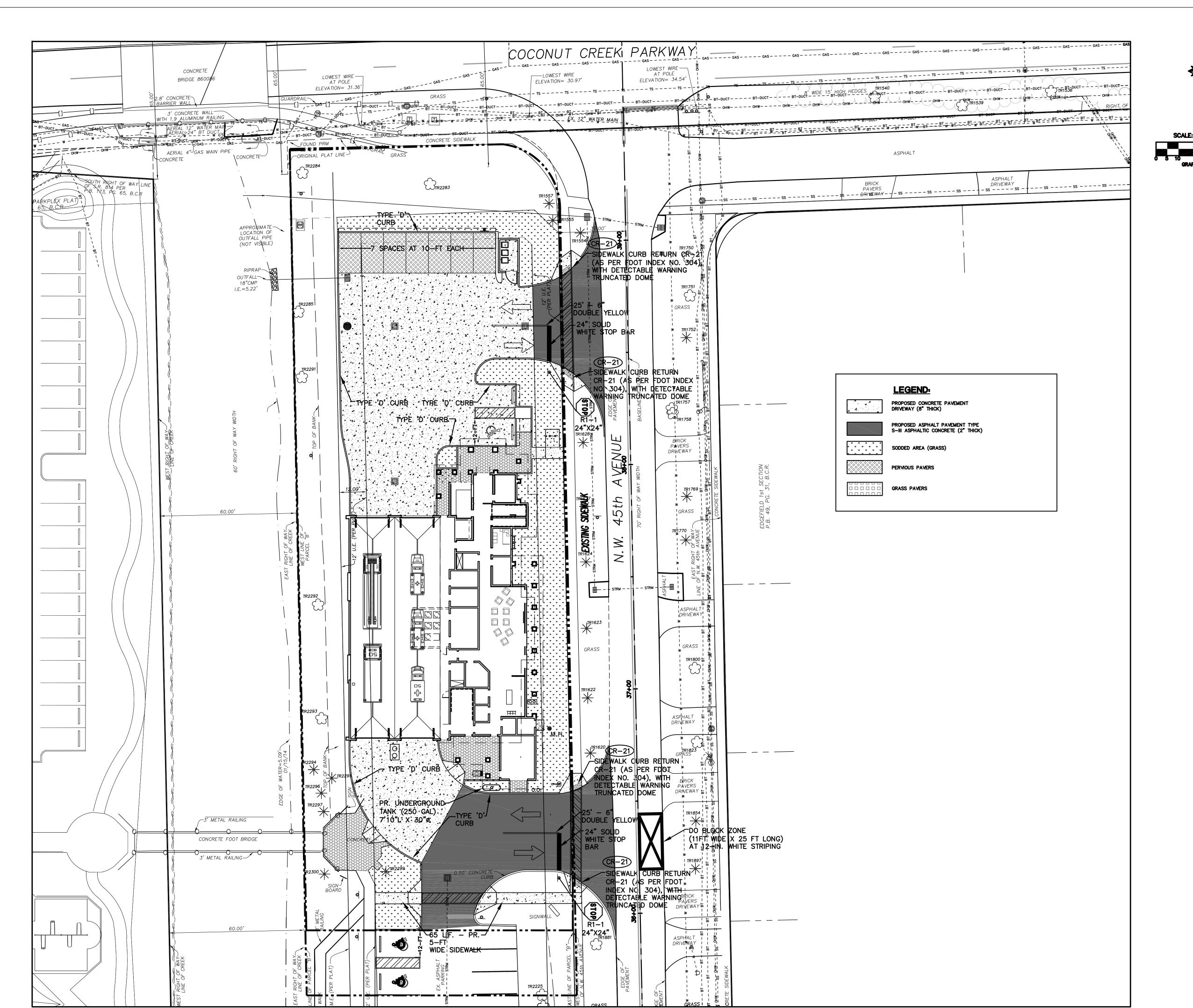
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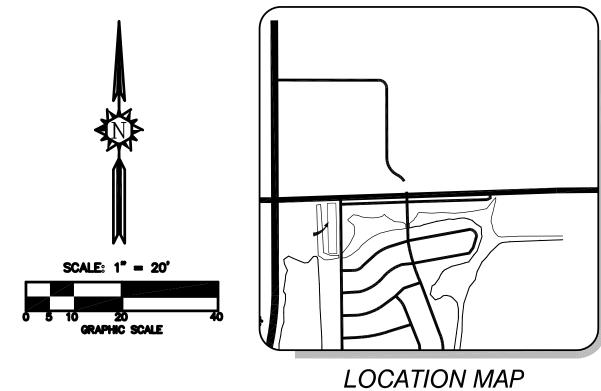
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STATE OF

DETAILS





NOT TO SCALE

CONSULTANT:

NO. REVISION DATE

50% CD SET 04/10/14

DRC COMM#2 04/17/14

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DRAWING TITLE: **MARKING**

AND SIGNAGE **PLAN** C.E.O. M.A.F

CHECKED DATE 04/10/2014 SCALE AS NOTED PROJ. NO. CNK-1018

SHEET: C-11

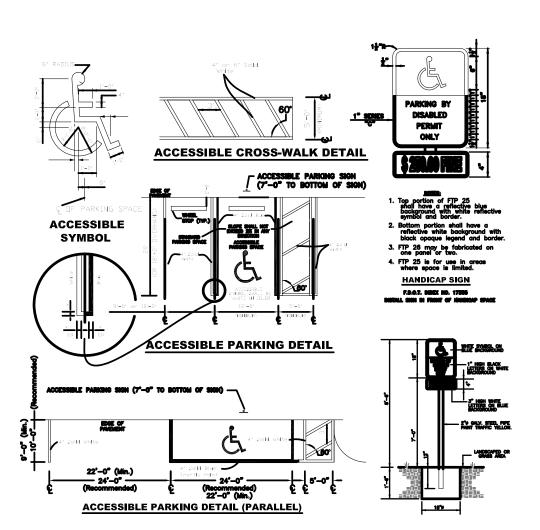
DATE:

STATE OF

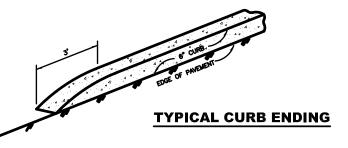
MARC A. FERMANIAN, P.E.

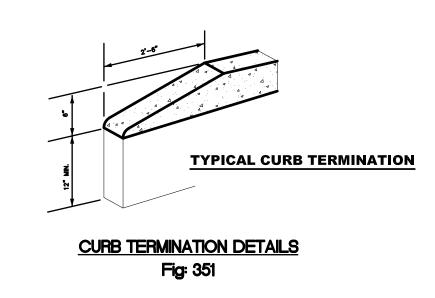
PROFESSIONAL ENGINEER NO. 52626

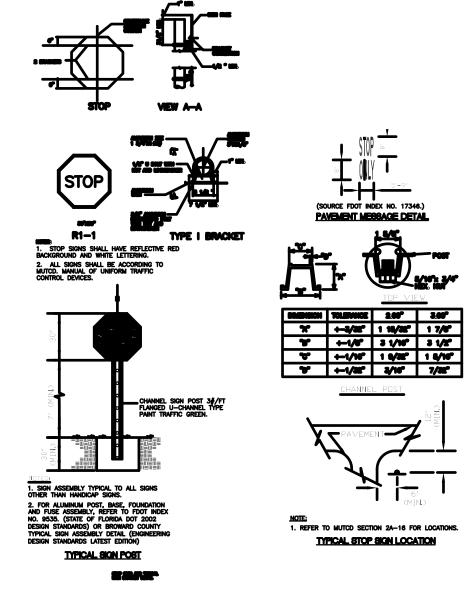
STATE OF FLORIDA



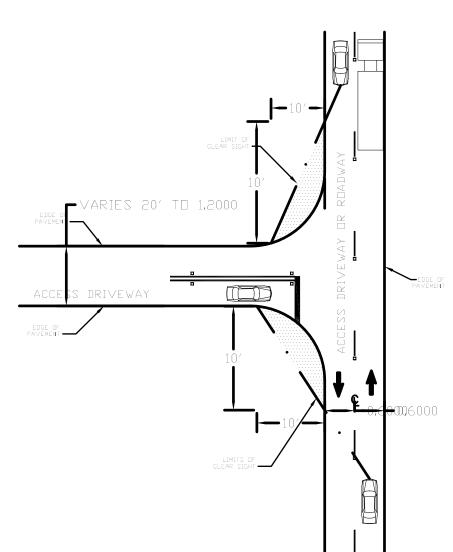
HANDICAP PARKING DETAILS Fig: 320





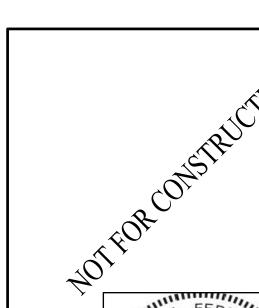


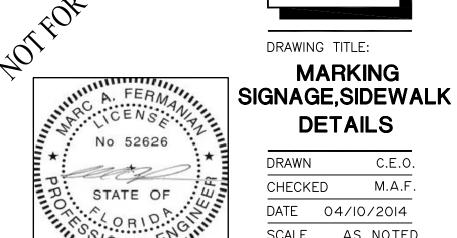
STOP SIGN AND TYPICAL SIGN BRACKET DETAIL Fig: 313



DRIVEWAY CONNECTION NOTE: FOR CONNECTIONS WITH PUBLIC ROADWAYS, REFER TO FDOT INDEX 546.

> SIGHT VISIBILITY TRIANGLE Fig: 550A





MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

PROJ. NO. CNK-1018 SHEET:

DRAWING TITLE:

MARKING

DETAILS

CHECKED M.A.F. DATE 04/10/2014 SCALE AS NOTED

NO. REVISION DATE

50% CD SET 04/10/14

DRC COMM#2 04/17/14

CONSULTANT:

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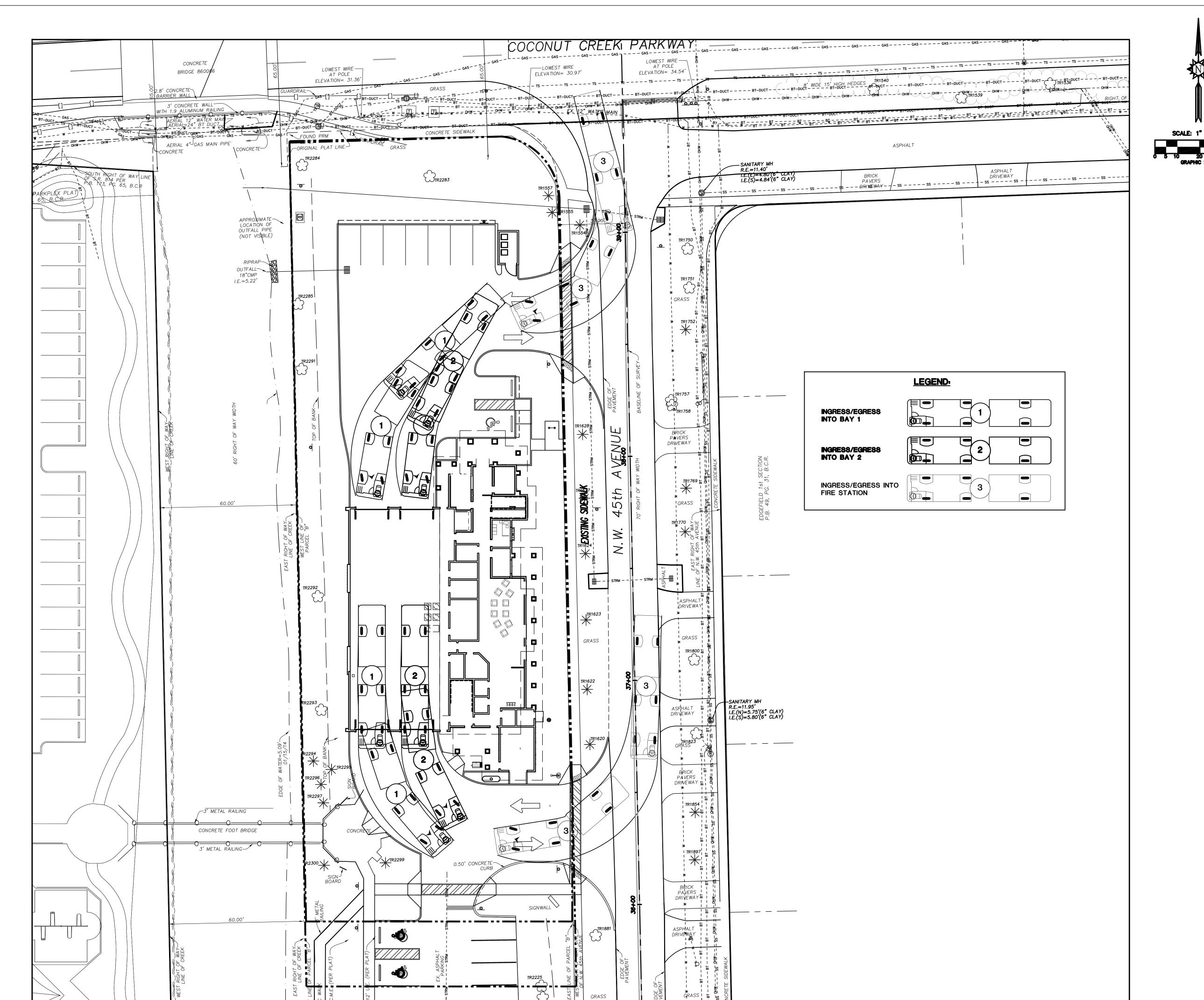
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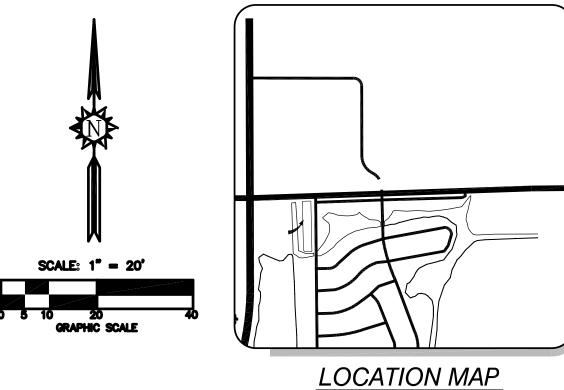
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CONSULTANT:

NO. REVISION DATE

50% CD SET 04/10/14

DRC COMM#2 04/17/14

FIRE NEW

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PROPOS

DRAWING TITLE: TRUCK

CIRCULATION PLAN

CHECKED M.A.F. DATE 04/10/2014 SCALE AS NOTED PROJ. NO. CNK-1018

SHEET: C-13

MARC A. FERMANIAN, P.E. PROFESSIONAL ENGINEER NO. 52626 STATE OF FLORIDA

DATE:

EXISTING 5HP IRRIGATION PUMP

(SFWMD PERMIT 06-03921-W) -

TAMARIND 2289

TO REMAIN 2292

ROYAL PALM 2297

EXISTING SHRUBS

TO REMAIN (TYP.) -

TO BE RELOCATED P298

TREE REMOVAL/RELOCATION LEGEND

TREE OR PALM TO BE RELOCATED

TREE OR PALM TO REMAIN

EXISTING TREE TO

REMAIN (TYP.)

- APPROXIMATE LOCATION OF

EXISTING IRRIGATION

RAIN SENSOR

- REMOVE EXISTING

SHRUBS

the same and the same and

- REMOVE EXISTING .

SHRUBS

TO REMAIN 1881 BLACK OLIVE

EXISTING HEDGE

TO REMAIN 2225

BLACK OLWE

BLACK OLIVE

SPINDLE PALM

SPINDLE PALM

TO REMAIN

TO REMAIN

NW 12TH STREET

2300 ROYAL PALM

ROYSTONEA ELATA

TREE PRESERVATION AND PROTECTION REQUIREMENTS

CABBAGE PALM

TO BE RELOCATED

TO BE RELOCATED

TREE DISPOSITION TABLE

REE ID #	COMMON NAME	BOTANICAL NAME	TRUNK DBH	HEIGHT	CANOPY SPREAD	ACTION	COMMENT
1221	QUEEN PALM	SYAGRUS ROMANZOFFIANA	12"	ļ	170 SF	REMAIN	OFF SITE
1222 1223	QUEEN PALM ACACIA	SYAGRUS ROMANZOFFIANA ACACIA AURUCULIFORMIS	12" 24"	 	170 SF 336 SF	REMAIN REMAIN	OFF SITE
1483	SOLITAIRE PALM	PTYCHOSPERMA ELEGANS	4"	15'	115 SF	REMAIN	OFF SITE
1484	SOLITAIRE PALM	PTYCHOSPERMA ELEGANS	4"	14'	115 SF	REMAIN	OFF SITE
1485	SOLITAIRE PALM	PTYCHOSPERMA ELEGANS	4"	14'	115 SF	REMAIN	OFF SITE
1486	SOLITAIRE PALM	PTYCHOSPERMA ELEGANS	4"	15'	115 SF	REMAIN	OFF SITE
1487	SOLITAIRE PALM	PTYCHOSPERMA ELEGANS	4" 4"	15'	115 SF	REMAIN	OFF SITE
1488 1509	SOLITAIRE PALM SOLITAIRE PALM	PTYCHOSPERMA ELEGANS PTYCHOSPERMA ELEGANS	4"	14'	115 SF 115 SF	REMAIN REMAIN	OFF SITE
1510	SOLITAIRE PALM	PTYCHOSPERMA ELEGANS	4**	14'	115 SF	REMAIN	OFF SITE
1511	SOLITAIRE PALM	PTYCHOSPERMA ELEGANS	4"	14'	115 SF	REMAIN	OFF SITE
1531	NOT USED						
1536	NOT USED			ļ			
1539	NOT USED		ļ	ļ			
1540 1554	NOT USED SPINDLE PALM	HYODHODDE VEDCOUATED TO	12"	7'	E0 CE	DEMAIN	
1555	CABBAGE PALM	HYOPHORBE VERSCHAFFELTII SABAL PALMETTO	12"	15'	50 SF 115 SF	REMAIN REMAIN	
1556	CABBAGE PALM	SABAL PALMETTO	11"	18'	115 SF	REMAIN	
1557	CABBAGE PALM	SABAL PALMETTO	15"	16'	115 SF	REMAIN	
1620	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	8'	50 SF	REMAIN	
1622	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	8'	50 SF	REMAIN	
1623	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	8'	50 SF	REMAIN	
1624	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	8'	50 SF	REMAIN	
1627	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	7°	50 SF	REMAIN	
1628	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	8'	50 SF	REMAIN	
1630 1631	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12" 12"	8' 7'	50 SF 50 SF	RELOCATE	
1631 1750	SPINDLE PALM PINK TABEBUIA	HYOPHORBE VERSCHAFFELTII TABEBUIA HETEROPHYLLA	9"	† <i>'</i>	50 SF	RELOCATE REMAIN	OFF SITE
1750	PINK TABEBUIA	TABEBUIA HETEROPHYLLA	7"	 	150 SF	REMAIN	OFF SITE
1752	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	4'	50 SF	REMAIN	OFF SITE
1757	RED MAPLE	ACER RUBRUM	8"	 	125 SF	REMAIN	OFF SITE
1758	RED MAPLE	ACER RUBRUM	8"	<u> </u>	125 SF	REMAIN	OFF SITE
1769	DATE PALM	PHOENIX DACTYLIFERA	24*	4'	200 SF	REMAIN	OFF SITE
1770	DATE PALM	PHOENIX DACTYLIFERA	24"	4'	200 SF	REMAIN	OFF SITE
1800	YELLOW TABEBUIA	TABEBUIA CARAIBA	15"		615 SF	REMAIN	OFF SITE
1823	PINK TABEBUIA	TABEBUIA HETEROPHYLLA	18"		170 SF	REMAIN	OFF SITE
1854	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	6'	50 SF	REMAIN	OFF SITE
1855	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	6'	50 SF	REMAIN	OFF SITE
1881	BLACK OLIVE	BUCIDA BUCERAS	24"	ļ	1,500 SF	REMAIN	
1882 1883	BLACK OLIVE SPINDLE PALM	BUCIDA BUCERAS	16" 12"	7'	970 SF 50 SF	REMAIN REMAIN	
1884	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII HYOPHORBE VERSCHAFFELTII	12"	7'	50 SF	REMAIN	
1885	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	5'	50 SF	REMAIN	
1886	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII	12"	8'	50 SF	REMAIN	
1887	CASSIA	CASSIA BAHAMENSIS	8"		200 SF	REMAIN	
1888	CASSIA	CASSIA BAHAMENSIS	8*		200 SF	REMAIN	
1889	ROYAL PALM	ROYSTONEA ELATA	16"	16"	300 SF	REMAIN	
1890	CABBAGE PALM	SABAL PALMETTO	12"	11'	115 SF	REMAIN	OFF SITE
1891	CABBAGE PALM	SABAL PALMETTO	12"	12'	115 SF	REMAIN	OFF SITE
1893 1897	SPINDLE PALM	SABAL PALMETTO	12"	13'	115 SF	REMAIN	OFF SITE
1897	SPINDLE PALM	HYOPHORBE VERSCHAFFELTII HYOPHORBE VERSCHAFFELTII	8"	4'	50 SF 50 SF	REMAIN REMAIN	OFF SITE
1899	BLACK OLIVE	BUCIDA BUCERAS	24"	 	2,570 SF	REMAIN	OFF SITE
1903	BLACK OLIVE	BUCIDA BUCERAS	24"	<u>†</u>	730 SF	REMAIN	OFF SITE
2080	CABBAGE PALM	SABAL PALMETTO	12°	21'	115 SF	REMAIN	
2081	MAGNOLIA	MAGNOLIA GRANDIFLORA	6"		175 SF	REMAIN	
2083	CABBAGE PALM	SABAL PALMETTO	9.00	9,	115 SF	REMAIN	
2097	CABBAGE PALM	SABAL PALMETTO	12"	18'	115 SF	REMAIN	
2098	TAMARIND	LYSILOMA LATISILIQUUM	12"	ļ	550 SF	REMAIN	
2216	LIGUSTRUM	LIGUSTRUM JAPONICUM	9"		135 SF	REMAIN	
2220	OAK	QUERCUS VIRGINIANA	15"	ļ	605 SF	REMAIN	
2221 2223	ORANGE GEIGER ORANGE GEIGER	CORDIA SEBESTINA	3"	 	175 SF	REMAIN	
2224	BLACK OLIVE	CORDIA SEBESTINA BUCIDA BUCERAS	3"	 	175 SF 175 SF	REMAIN	
2225	ORANGE GEIGER	CORDIA SEBESTENA	3"	†	175 SF	REMAIN REMAIN	
2249	TAMARIND	LYSILOMA LATISILIQUUM	12"	†	460 SF	REMAIN	
2251	CABBAGE PALM	SABAL PALMETTO	12"	19"	115 SF	RELOCATE	
2252	CABBAGE PALM	SABAL PALMETTO	12"	15'	115 SF	RELOCATE	
2253	CABBAGE PALM	SABAL PALMETTO	12"	13'	115 SF	RELOCATE	
2254	CABBAGE PALM	SABAL PALMETTO	12*	15'	115 SF	RELOCATE	
2269	CABBAGE PALM	SABAL PALMETTO	12"	17'	115 SF	RELOCATE	
2270	CABBAGE PALM	SABAL PALMETTO	12"	15'	115 SF	RELOCATE	
2271	CABBAGE PALM	SABAL PALMETTO	10"	13"	115 SF	RELOCATE	
2272	CABBAGE PALM	SABAL PALMETTO	12"	13"	115 SF	RELOCATE	
2273 2274	CABBAGE PALM CABBAGE PALM	SABAL PALMETTO SABAL PALMETTO	12"	18°	115 SF 115 SF	RELOCATE RELOCATE	
2275	CABBAGE PALM	SABAL PALMETTO	10"	17	115 SF	RELOCATE	
2276	CABBAGE PALM	SABAL PALMETTO	14"	18'	115 SF	RELOCATE	
2277	OAK	QUERCUS VIRGINIANA	20*		1,175 SF	RELOCATE	
2278	OAK	QUERCUS VIRGINIANA	20"		530 SF	REMAIN	
2279	OAK	QUERCUS VIRGINIANA	16"		675 SF	REMAIN	
2280	OAK	QUERCUS VIRGINIANA	20"		600 SF	REMAIN	
2281	OAK	QUERCUS VIRGINIANA	18"		440 SF	RELOCATE	
2282	OAK	QUERCUS VIRGINIANA	18"		794 SF	REMAIN	
2283	TAMARIND	LYSILOMA LATISILIQUUM	12"	 	375 SF	REMAIN	<u> </u>
2284	FICUS	FICUS SPP.	60"	 	3,522 SF	REMAIN	
2285 2286	OAK	QUERCUS VIRGINIANA LYSILOMA LATISLIQUUM	22" 10"		417 SF	REMAIN	
2286 2287	TAMARIND TAMARIND	LYSILOMA LATISILIQUUM	10"	•	236 SF 550 SF	RELOCATE RELOCATE	
2287 2288	TAMARIND	LYSILOMA LATISILIQUUM	10"	-	550 SF 680 SF	RELOCATE	
2289	TAMARIND	LYSILOMA LATISILIQUUM	8"		320 SF	RELOCATE	
2290	OAK	QUERCUS VIRGINIANA	22*		600 SF	RELOCATE	
2291	OAK	QUERCUS VIRGINIANA	20"	T	290 SF	REMAIN	
2292	OAK	QUERCUS VIRGINIANA	10"	1	266 SF	REMAIN	
2293	OAK	QUERCUS VIRGINIANA	8"		282 SF	REMAIN	
2294	CABBAGE PALM	SABAL PALMETTO	10"	16'	115 SF	REMAIN	
2295	CABBAGE PALM	SABAL PALMETTO	10"	19'	115 SF	REMAIN	
2296	CABBAGE PALM	SABAL PALMETTO	10"	18'	115 SF	REMAIN	
2297	ROYAL PALM	ROYSTONEA ELATA	16"	17'	300 SF	REMAIN	
2298	ROYAL PALM	ROYSTONEA ELATA	16"	18"	300 SF	RELOCATE	
				. 4 47	. 700 05		
2299 2300	ROYAL PALM	ROYSTONEA ELATA	16"	20'	300 SF	REMAIN	

24" 20' 300 SF REMAIN

A. THE LOCATIONS OF ALL TREES PROPOSED FOR RELOCATION SHALL BE COORDINATED WITH CITY OF COCONUT CREEK DIVISION OF PARKS AND NATURAL RESOURCES. 954.973.6780.

1.01 ROOT PRUNING, WATERING & BEFORE

TRANSPLANTING A. TREE RELOCATION, ROOT PRUNING AND TRIMMING, SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED & LICENSED ARBORIST.

ROOT PRUNE TREES A MINIMUM OF EIGHT (8) WEEKS PRIOR TO MOVING THEM. PRIOR TO ROOT PRUNING, THOROUGHLY WATER THE ROOT ZONE WITH AT LEAST 2 TO 3 INCHES OF WATER, 2 TO 3 DAYS PRIOR TO ROOT PRUNING. IF THE TREE HAS A DORMANT PERIOD, THEY SHOULD NOT BE TRANSPLANTED DURING THAT TIME. SEE BELOW FOR RELOCATION TIMELINE

 CROWN PRUNING FOR STRUCTURAL DEFICIENCIES AND CLEARANCE ISSUES FOR THE ROUTE TAKEN TO THE RELOCATION AREA.

SPRAY A PHOTOSYNTHETIC HERBICIDE OVER ANY EXISTING PLANT MATERIAL OR GRASS WITHIN THE LIMITS OF ROOT

PRUNING.

PROVIDE TEMPORARY IRRIGATION FOR EACH TREE UNTIL RELOCATION.

4. ROOT PRUNE 100% OF THE ROOT SYSTEM OF EACH TREE.

BACKFILL TRENCH WITH PLANTING SOIL. FERTILIZE WITHIN THE ROOT ZONE. PREPARE THE RELOCATION AREA;

PROVIDE IRRIGATION TO THE BASE OF EACH TREE, PROVIDE IRRIGATION TO THE CROWN OF EACH TREE ON A SEPARATE

RELOCATE THE TREES. C. ROOT PRUNING SHALL BE ACCOMPLISHED BY DIGGING A TRENCH TWO-THIRDS (2/3) OF THE WAY AROUND THE TREE AT A MINIMUM OF 24" DEEP. ROOT PRUNE ONLY WITH A MECHANICAL ROOT-PRUNING SAW OR A TRENCHER WITH A MAXIMUM TRENCH WIDTH OF 8". THIS TRENCH SHALL FORM A 6' DIAMETER ROOTBALL

D. ALL EXPOSED ROOTS SHALL BE CUT OFF SMOOTHLY, WITH SHARP INSTRUMENTS. BACKFILL TRENCHES WITH SOIL CONSISTING OF 30% SILICA SAND AND 70% MUCK. WATER THEM THOROUGHLY AFTER ROOT PRUNING, AND ONCE WEEKLY DURING THE ROOT REGENERATION PERIOD, WITH A SOLUBLE FERTILIZER THAT HAS A 20-20-20 ANALYSIS AT MANUFACTURER'S RECOMMENDED RATE.

.02 TOP PRUNING AND THINNING: A. THE AMOUNT OF GENERAL PRUNING AND THINNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS OR BRANCHES AS A RESULT OF TRANSPLANTING OPERATIONS. PRUNING AND THINNING SHALL BE DONE IN SUCH A MANNER AS NOT TO CHANGE THE NATURAL HABIT OR SHAPE OF A PLANT. THE PROJECT LANDSCAPE ARCHITECT SHALL BE CONTACTED PRIOR TO PERFORMING ANY MAJOR PRUNING OR THINNING.

B. ALL CROWN PRUNING SHALL BE DONE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE A-300 STANDARDS OR ACCORDANCE WITH THE STANDARDS IN "Arboriculture Second Edition" by Richard W. Harris, CURRENT EDITION.

.03 BRACING AND GUYING OF TREES AFTER ROOT

A. BRACING AND GUYING SHALL BE PROVIDED TO ASSURE THE TREES' STABILITY DURING THE ROOT REGENERATION PERIOD; AS PER THE APPLICABLE

1.04 BALLING AND BURLAPPING A. PLANT MATERIAL, WHICH IS IN A SOIL OF A LOOSE TEXTURE, WHICH DOES NOT READILY ADHERE TO THE ROOT SYSTEM, ESPECIALLY IN THE CASE OF LARGE PLANTS OR TREES, SHALL HAVE THE ROOTBALL WRAPPED IN BURLAP AND THEN WIRE, UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT.

.05 TRANSPLANTING PLANT MATERIAL A. MOVEMENT OF PLANTS ON PUBLIC R.O.W.'S SHALL COMPLY WITH ALL ORDINANCES, CODES

AND SAFETY REQUIREMENTS, ETC. B. TRANSPORT MATERIALS ON VEHICLES LARGE ENOUGH TO ALLOW PLANTS TO NOT BE CROWDED AND DAMAGED. PLANTS SHALL BE COVERED TO PREVENT WIND DAMAGE DURING TRANSIT.

C. PROTECT PLANT MATERIAL DURING TRANSPORTING TO PREVENT DAMAGE TO THE ROOT SYSTEM AND DESICCATION OF LEAVES TREES SHALL BE PROTECTED BY TYING IN THE BRANCHES AND COVERING ALL EXPOSED BRANCHES AS NECESSARY. DO NOT BEND OR BIND-TIE PLANT MATERIAL IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES OR ALTER THE NATURAL SHAPE.

D. THE CONTRACTOR SHALL EXERCISE CARE IN

HANDLING, LOADING, UNLOADING, STORING, AND TRANSPORTING MATERIAL TO PREVENT DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PROTECTION AND

SAFEKEEPING OF MATERIALS STORED. E. TRANSPORTING MUST BE DONE WITHIN 24 HOURS AFTER BEING DUG. STORE PLANTS IN SHADE AND KEEP THE ROOT BALL AND CANOPY MOIST.

.06 INSTALLATION

A. EXCAVATION OF HOLES: PLANT HOLES SHALL BE ROUGHLY CYLINDRICAL IN SHAPE WITH SIDES APPROXIMATELY VERTICAL. THE DEPTH OF THE HOLE SHALL BE EQUAL TO THE ROOTBALL DEPTH PLUS 12" UNLESS FURTHER DEPTH IS REQUIRED TO PROVIDE ADEQUATE DRAINAGE. THE DIAMETER OF THE HOLE SHALL BE A MINIMUM OF 24" LARGER THAN THE ROOTBALL DIAMETER. SETTING OF PLANTS:

PLANT MATERIAL SHALL BE PLANTED AT THEIR NATURAL AND ORIGINAL PLANTING LEVEL PRIOR TO THEIR RELOCATION AND PLACEMENT ON THE NEW SITE. WHEN LOWERED INTO THE HOLE, THE PLANTS SHALL REST ON THE PREPARED HOLE BOTTOM SUCH THAT THE SURFACE ROOTS AT THE TOP OF THE ROOTBALL ARE LEVEL OR SLIGHTLY ABOVE THE LEVEL OF THE TOP OF THE HOLE. CREATE A SAUCER, APPROXIMATELY 6" DEEP TO HELP HOLD WATER. THE PLANTS SHALL BE SET STRAIGHT OR PLUMB OR NORMAL TO THE RELATIONSHIP OR THEIR GROWTH PRIOR TO TRANSPLANTING. THE PROJECT LANDSCAPE ARCHITECT OR REPRESENTATIVE RESERVES THE RIGHT TO REALIGN ANY PLANT MATERIAL AFTER IT HAS BEEN SET, WITHOUT ADDITIONAL COST.

C. BACKFILLING 1) USE PLANTING SOIL FOR TREE INSTALLATION CONSISTING OF 80/20 MIX OF GENERAL PURPOSE PLANTING SOIL TO SAND. PALMS RECEIVE 30/70 GENERAL PURPOSE PLANTING SOIL TO SAND MIX.

2) BACKFILL THE BOTTOM TWO-THIRDS OF THE PLANTING HOLE AND FIRMLY TAMP AND SETTLE BY WATERING AS BACKFILLING PROGRESSES. AFTER HAVING TAMPED AND SETTLED THE BOTTOM TWO-THIRDS OF THE HOLE, THOROUGHLY PUDDLE WITH WATER AND FILL REMAINING ONE-THIRD OF THE HOLE WITH PLANTING SOIL, TAMPING AND WATERING TO ELIMINATE AIR POCKETS. .07 WATERING TRANSPLANTED TREES

A. ROOTBALL WATERING: MAINTAIN A SOIL MOISTURE IN THE ROOT ZONE AT AN OPTIMUM LEVEL FOR HEALTHY. DEEP WATER THE ENTIRE ROOTBALL AREA AT A MINIMUM ACCORDING TO THE FOLLOWING SCHEDULE:

<u>when</u> 1st month	FREQUENCY ONCE DAILY	AMOUNT 3" PER TREE
2ND MONTH	EVERY OTHER Day	2" PER TREE
FOLLOWING 2 MONTHS	TWICE A WEEK	1" PER TREE

ONCE PER WEEK 1" PER TREE LAST 8 MONTHS

B. IF THERE IS NO SOURCE FOR WATER AVAILABLE AT THE PROJECT, SUCH AS A HOSE BIB(S) OR FIRE HYDRANTS(S) IF APPROVED FOR USE, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING WATER BY MEANS OF A TRUCK OR TANK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PAY ANY FEES FOR WATER USE. C. THE CONTRACTOR SHALL ADHERE TO THE SOUTH

FLORIDA WATER MANAGEMENT DISTRICT'S WATER RESTRICTIONS CURRENT AT THE TIME OF RELOCATION ACTIVITIES.

.08 MULCHING OF PLANT SAUCER:

A. SPREAD 3" MINIMUM DEPTH THICK LAYER OF SHREDDED EUCALYPTUS OR MELALEUCA GRADE 'B' MULCH OR EQUAL OVER ENTIRE AREA OF THE ROOTBALL.

1.09 APPLICATION OF FERTILIZER:

A. AT TIME OF WATERING ROOT-PRUNED TREES PRIOR TO TRANSPLANTING, DRENCH ROOTBALL ONCE PER WEEK DURING THE COURSE OF WATERING WITH A SOLUBLE FERTILIZER THAT HAS A 20-20-20 ANALYSIS AT MANUFACTURER'S RECOMMENDED RATE.

RELOCATED TREES SHALL NOT BE FERTILIZED AT TIME OF PLANTING, BUT SHALL BE WATERED SUFFICIENTLY UNTIL THE TREE GROWTH IS RE-ESTABLISHED. THREE (3) WEEKS AFTER TRANSPLANTING, AND AFTER MULCHING, APPLY ON THE SURFACE, EVENLY SPREAD OVER THE AREA OF THE ENTIRE ROOTBALL, FEC (FLORIDA EAST COAST FERTILIZER CO.) #5231 (12-6-8) OR EQUAL AT THE RATE OF 0.5KG PER 1" OF TRUNK DIAMETER.

1.10 STAKING TREES A. STAKE ALL TREES AND PALMS AT THE NEW SITE WITH NEW TIMBERS WITH A MINIMUM 2" X 4" DIMENSION AS PER THE DETAILS ENCLOSED, OR IN THE CASE OF OBSTACLE, IN ANOTHER MANNER WHICH WILL SUPPORT THE TREES.

DISPOSAL OF WASTE: ALL WASTE AND OTHER OBJECTIONABLE MATERIAL CREATED THROUGH PLANTING OPERATIONS AND LANDSCAPE CONSTRUCTION SHALL BE REMOVED COMPLETELY ON A DAILY BASIS FROM THE JOB OR AS DIRECTED BY THE PROJECT ENGINEER. ANY PAVED AREAS, INCLUDING CURBS AND SIDEWALKS THAT HAVE BEEN STAINED WITH SOIL SOD WASTE, FERTILIZER OR OTHER WASTE SHALL BE THOROUGHLY SWEPT.

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF STAKES AND BATTENS AND UNTIE ANY TIED-UP CANOPIES WHEN IT IS DETERMINED BY THE PROJECT ENGINEER THAT SUFFICIENT TIME HAS ELAPSED FOR THE PLANTS TO ROOT STABILIZE, AND/OR AT THE END OF THE ONE YEAR GUARANTEE PERIOD. THIS SHALL BE DONE EVEN IF THE PROJECT HAS BEEN COMPLETED AND GIVEN FINAL ACCEPTANCE. THE CONTRACTOR SHALL UNTIE CANOPIES IMMEDIATELY AFTER INSTALLATION AND REMOVE STAKES AFTER ONE

BACKFILLING OF HOLE LEFT BY RELOCATED TREE SHALL BE DONE IMMEDIATELY AFTER TREE REMOVAL, OR SUITABLE BARRICADES SHALL BE PROVIDED TO PREVENT INJURIES UNTIL HOLES ARE FILLED. THE CONTRACTOR SHALL BACKFILL HOLES WITH CLEAN FILL AND TOP SOIL TO A LEVEL FLUSH WITH ADJACENT GRADE. I.12 GUARANTEE AND REPLACEMENT

ALL RELOCATED PLANT MATERIAL SHALL BE GUARANTEED FOR ONE (1) YEAR FROM TIME OF RELOCATION.

ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 75 MPH AS DEFINED BY THE MIAMI HURRICANE CENTER, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. 1.13 SCHEDULE AND APPROVALS:

A. THE LANDSCAPE CONTRACTOR SHALL SUBMIT A WRITTEN SCHEDULE OF OPERATIONS AND WRITTEN REQUESTS FOR APPROVALS IN ACCORDANCE WITH PROJECT SPECIFICATIONS OR AS OTHERWISE AGREED UPON WITH THE OWNER.

14 FINAL ACCEPTANCE A. OWNER SHALL REVIEW PROJECT UPON NOTIFICATION BY CONTRACTOR. OWNER SHALL ISSUE A FINAL ACCEPTANCE AFTER ALL CONTRACT ITEMS AND OBLIGATIONS ARE SATISFACTORY.

THE CITY OF COCONUT CREEK WILL PERFORM ROOT PRUNING TO THE TREES PROPOSED FOR RELOCATION PRIOR TO CONSTRUCTION. ROOT PRUNING SHALL BE IN ACCORDANCE THE NOTES AND DETAILS ON SHEET L1.01. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING THE TREES AS SPECIFIED ON THE DRAWINGS.

NO. REVISION DATE

Site Plan Submittal

DRC Comments #2

DRC Comments

2-7-14

3-17-14

4-10-14

4-17-14

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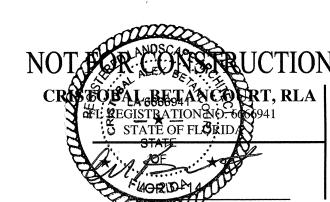
CERTIFICATES OF AUTHORIZATION

EB0004593 LC26000425

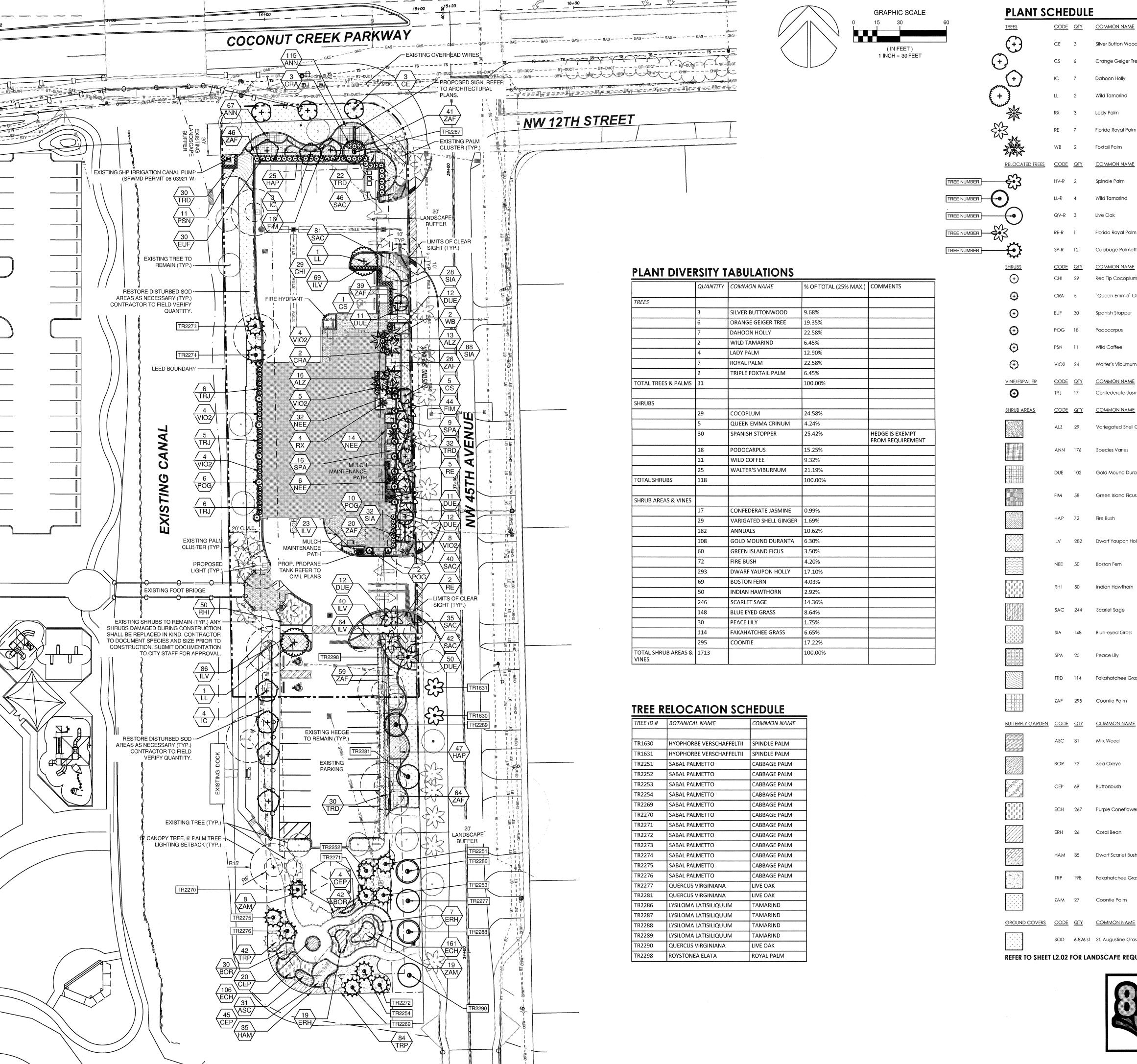
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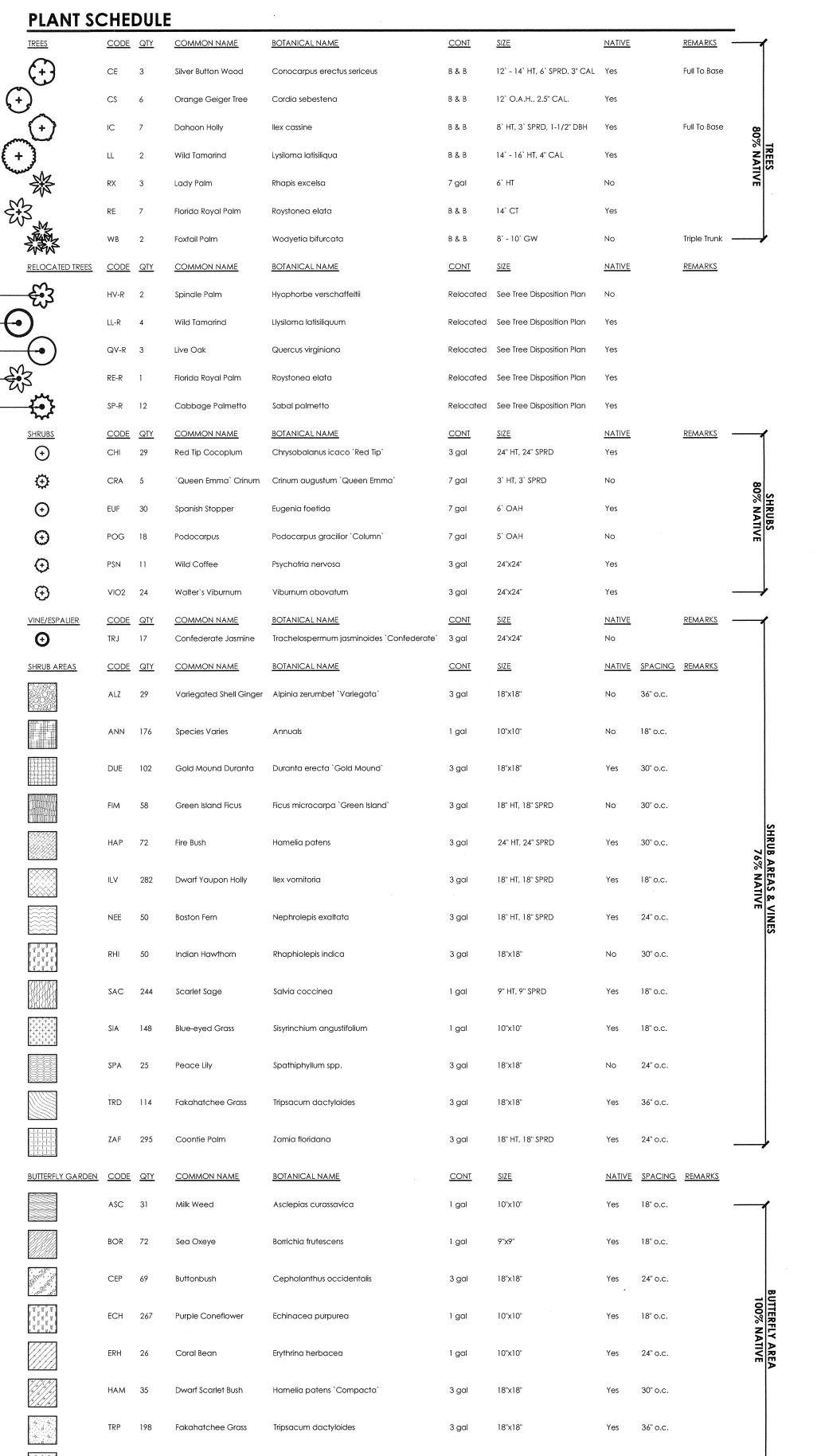
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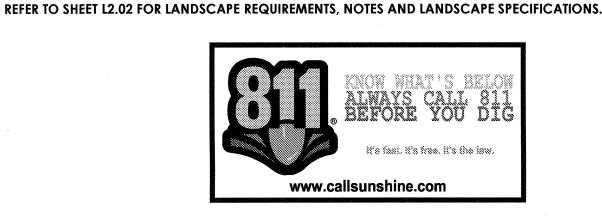
DRAWING TITLE: TREE DISPOSITION



SECTION 13-448. PRESERVATION AND PROTECTION OF TREES AND TREE PRESERVATION TRUST ACCOUNT CODE APPLICATION AREA/QUANTITY/METHODOLOGY A. TREE COVERAGE ON-SITE SHALL FIRST BE DETERMINED USING ONE (1) OR ANY COMBINATION OF THE FOLLOWING TREE LOCATIONS AND SPECIES DETERMINED BY: METHODS: REVIEW OF AERIAL PHOTOGRAPHY, ON-SITE INSPECTION, AND/OR REVIEW OF A TREE SURVEY. THE CITY SHALL BOUNDARY AND TOPOGRAPHIC SURVEY AS PROVIDED BY STONER AND ASSOCIATES DATED 01.16.14. REQUIRE THE APPLICANT TO SUBMIT A TREE SURVEY IN ORDER TO MAKE THIS DETERMINATION, UNLESS THE APPLICANT CAN DEMONSTRATE THAT IT IS CLEARLY UNNECESSARY. CANOPY SQUARE FOOTAGE CALCULATED VIA LABINS AERIAL IMAGERY TREE SPECIES UNDEFINED BY THE BOUNDARY & TOPOGRAPHIC SURVEY DENOTED AS "UNKNOWN" VERIFIED BY GOOGLE STREET VIEW AND APPROVED COCONUT CREEK COMMUNITY CENTER LANDSCAPE PLANS PREPARED BY SCHARF & ASSOCIATES, LATEST REVISION 06.24.04 B. RELOCATION OF TREES ON-SITE WILL BE COUNTED TOWARDS EQUIVALENT REPLACEMENT. RELOCATION OF TREES THE TREES NOTED BELOW ARE PROPOSED FOR RELOCATION: OFF-SITE SHALL BE COUNTED AS HALF CREDIT TOWARDS EQUIVALENT REPLACEMENT. GUIDELINES IN THIS SECTION SHALL BE • THIRTEEN (12) CABBAGE PALMS FOLLOWED FOR ANY TREES TO BE RELOCATED. ONE (1) ROYAL PALM TWO (2) SPINDLE PALMS SEVEN (3) LIVE OAK TREES C. NATIVE TREES IDENTIFIED IN 13-448 APPENDIX 1 AND APPENDIX 2 SHALL BE REQUIRED TO REPLACE NATIVE TREE COVERAGE FOUR (4) TAMARIND TREES 22 TOTAL TREES PROPOSED FOR RELOCATION). A DETERMINATION OF THE NUMBER OF TREES TO BE REPLACED SHALL BE PERFORMED. THIS DETERMINATION SHALL BE BASED UPON THE AREA OF IMPACT AND THE CATEGORY OF REPLACEMENT TREES SELECTED BY THE APPLICANT. THE REPLACEMENT AT TREE MATURITY SHALL AT LEAST EQUAL THE CANOPY REMOVED. THE FOLLOWING TABLE SHALL BE REFER TO LANDSCAPE PLANS FOR TREE RELCOATIONS. USED TO DETERMINE THE NUMBER OF REQUIRED REPLACEMENT TREES:







Stenotaphrum secundatum `Floratam`

Zamia floridana

Coontie Palm

SOD 6,826 sf St. Augustine Grass



Yes 30" o.c.

NATIVE REMARKS

SOD FULL

LANDSCAPE PLAN DRAWN CHECKED DATE 4-23-14 SCALE AS NOTED PROJECT NO. 1220B SHEET:

DRAWING TITLE:

NO. REVISION DATE

Site Plan Submittal

DRC Comments #2

DRC Comments

2-7-14

3-17-14

4-10-14

4-17-14

CONSULTANT:

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CERTIFICATES OF AUTHORIZATION EB0004593 LC26000425

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CITY OF COCONUT CREEK STANDARD LANDSCAPE NOTES

ALL LANDSCAPE AND SPECIFICATIONS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS PROVIDED IN THE CITY OF COCONUT CREEK LAND DEVELOPMENT CODE.
PLANS ARE INCOMPLETE WITHOUT WRITTEN NOTES AND SPECIFICATIONS.

- 1. ALL PLANTING MATERIAL SHALL MEET OR EXCEED FLORIDA GRADE #1 AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. TREES SHALL
- NOT BE TIPPED, TOPPED, OR SHAPED PRIOR TO INSTALLATION.

 2. LANDSCAPE SHALL BE PLACED TO EDGE OF ABUTTING STREETS, CANALS, LAKES OR OTHER LANDS.
- 3. ALL MECHANICAL EQUIPMENT, AIR CONDITIONING, IRRIGATION PUMP STATIONS AND EQUIPMENT, FPL TRANSFORMERS, POOL PUMPS, ETC., MUST BE SCREENED ON THREE (3) SIDES BY LANDSCAPE SHRUBS.
 - **NOTE:** THE QUANTITY OF SCREENING SHRUBS IS IN ADDITION TO THE REQUIRED NUMBER OF SHRUBS AS PROVIDED IN THE CODE CALCULATION TABLE. ALL SCREENING SHRUBS SHALL BE PLANTED FOR PROPER OPERATION OF EQUIPMENT BEING SCREENED AND/OR PER THE REQUIREMENTS OF THE UTILITY AS NECESSARY. ALL HEDGE MATERIAL REQUIRED FOR SCREENING PURPOSES SHALL BE PLANTED WITH BRANCHES TOUCHING. ADJUST ON-CENTER SPACING AS NECESSARY AND/OR PROVIDE ADDITIONAL PLANTS TO PROVIDE AN ADEQUATE SCREEN.
- 4. SIGHT DISTANCE CONCERNS MUST BE MAINTAINED FOR CLEAR SIGHT VISIBILITY FROM THIRTY (30) INCHES TO SEVENTY-TWO INCHES, TREE TRUNKS EXCLUDED. MEASUREMENT SHALL BE MADE FROM TOP OF ROOT BALL PLANTED AT PROPER ELEVATION.
- 5. GUYING/STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES, ETC., TO PENETRATE OUTER SURFACES OF TREES, PALMS OR OTHER PLANT MATERIAL. TREES, PALMS AND PLANT MATERIAL REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED WITH THE INSPECTOR ON SITE.
- 6. BURLAP MATERIAL, WIRE CAGES, PLASTIC/CANVAS STRAPS, ETC., MUST BE CUT AND REMOVED FOR THE TOP ONE-HALF (1/2) DEPTH OF THE ROOT BALL. TREES AND SHRUBS GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE SUCH MATERIAL REMOVED ENTIRELY PRIOR TO PLANTING THE TREE OR SHRUB.
- 7. ALL PLANT MATERIAL SHALL BE FREE OF PESTS, INSECTS, DISEASE, WEEDS, ETC.
- 8. ALL REQUIRED LANDSCAPE MATERIAL SHALL BE INSTALLED USING A PLANTING SOIL MIX COMPRISED OF A TYPE APPROPRIATE TO THE INDIVIDUAL PROPOSED PLANT MATERIAL AND THE NATIVE SOIL FOUND ON THE SITE.
- 9. ALL PLANT MATERIAL SHALL BE PLANTED AT THE PROPER DEPTH, AS ORIGINALLY GROWN AND/OR SO THE TOP OF THE ROOT BALL IS FLUSH OR SLIGHTLY ABOVE FINISHED GRADE IMMEDIATELY AFTER PLANTING. ALL TREES SHOULD PROVIDE TRUNK TAPER WHEN PROPERLY PLANTED AT THE CORRECT PLANTING DEPTH.
- 10. ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING TO ELIMINATE AIR POCKETS IN THE ROOT ZONE AREA.
- 11. COLOR-TREATED OR DYED MULCH WILL NOT BE ACCEPTED.
- 12. UPON COMPLETION OF WORK, THE SITE SHALL BE CLEARED OF ALL DEBRIS, SUPERFLUOUS MATERIALS, AND EQUIPMENT CAUSED BY THIS PERMIT TO THE SATISFACTION OF THE INSPECTOR.
- 13. REFER TO COCONUT CREEK FIRE EQUIPMENT CLEAR ZONE DIAGRAM TO MAINTAIN A SAFE ZONE FRONTING FIRE HYDRANTS.
- 14. DO NOT PLANT TREES, SHRUBS OR GROUNDCOVER WITHIN ELECTRIC METER CLEAR ZONE. PROVIDE A SAFE ZONE AS DESCRIBED BY THE ELECTRICAL INSPECTOR.
- 15. ALL LANDSCAPED AREAS SHALL BE PROVIDED WITH AN UNDERGROUND FULLY AUTOMATIC IRRIGATION SYSTEM USING POP-UP SPRINKLERS. SYSTEM SHALL PROVIDE 100% COVERAGE WITH A 50% OVERLAP (MINIMUM) USING RUST FREE WATER, EXCEPT PRESERVED AREAS REMAINING IN NATURAL STATE. A RAIN SENSOR DEVICE OR SWITCH SHALL BE INSTALLED THAT WILL OVERRIDE THE IRRIGATION SYSTEM WHEN ADEQUATE RAINFALL HAS OCCURRED. WATER SHALL NOT BE DIRECTED AND/OR PROVIDED ONTO IMPERVIOUS SURFACES AND/OR BE DESIGNED OR INSTALLED TO THROW WATER OVER AN IMPERVIOUS SURFACE SUCH AS A SIDEWALK, ETC. HOURS OF OPERATION FOR ALL IRRIGATION SYSTEMS SHALL BE LIMITED TO 5:00 P.M. TO 8:00 A.M. ONLY OR AS MAY BE FURTHER RESTRICTED BY SOUTH FLORIDA WATER MANAGEMENT DISTRICT OR OTHER JURISDICTIONAL AGENCY.
- 16. IRRIGATION PERMITS AND PLANS SHALL BE SUBMITTED FOR APPROVAL AT TIME OF BUILDING PERMITS.
- 17. ALL NON-SINGLE FAMILY OR DUPLEX IRRIGATION SYSTEMS OTHER THAN CITY WATER SYSTEMS SHALL REQUIRE A SOUTH FLORIDA WATER MANAGEMENT DISTRICT WATER USE PERMIT PRIOR TO ISSUANCE OF AN IRRIGATION PERMIT AND INSTALLATION OF THE IRRIGATION SYSTEM AS REQUIRED.
- 18. ALL SITE AMENITIES TO INCLUDE SITE STREET LIGHTS, LANDSCAPE COMMON OPEN SPACE, IRRIGATION COMMON OPEN SPACE, BUFFERS, BERMS, LANDSCAPE ENTRY FEATURES, ETC. LEADING UP TO AND INCLUDING THE MODEL CENTER AND/OR FIRST CERTIFICATE OF OCCUPANCY MUST BE COMPLETED AND FUNCTIONAL PRIOR TO ISSUANCE OF THE FIRST REQUESTED CERTIFICATE OF OCCUPANCY.
- 19. THE HEIGHT OF ALL REQUIRED, DESIGNED AND INSTALLED BERMS SHALL BE FROM THE HIGHEST ADJACENT POINT WHETHER IT IS THE SIDEWALK, PARKING AREA, VEHICULAR USE AREA, SURROUNDING GROUND, ETC. WHERE A BERM ABUTS A SIDEWALK, THERE SHALL BE A ONE (1) FOOT LEVEL SOD AREA ADJACENT TO THE SIDEWALK PRIOR TO THE START OF INCLINE FOR THE BERM.
- 20. AN INSPECTION IS REQUIRED PRIOR TO THE BACKFILLING OF TREES/PALMS IN ALL PARKING MEDIANS AND ISLANDS.

GENERAL NOTES

- I. THE LOCATIONS OF PLANTS AS SHOWN ON THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS, TO COMPLY WITH SAFETY SETBACKS, OR AS OTHERWISE DIRECTED/APPROVED BY THE LANDSCAPE ARCHITECT. FLAG PROPOSED TREE AND PLANT BED LOCATIONS TO THE EXTENT REQUESTED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING FOR APPROVAL.
- 2. VERIFY ABOVE AND BELOW GROUND UTILITIES PRIOR TO COMMENCING WORK IN THE PROJECT AREA. IF UTILITY CONFLICTS ARE DISCOVERED, NOTIFY THE ENGINEER AND LANDSCAPE ARCHITECT IMMEDIATELY. IN THE CASE OF UTILITY CONFLICTS, THE LANDSCAPE WILL BE ADJUSTED, DO NOT ADJUST THE UTILITY. NOTIFY UTILITY OWNERS AND SUNSHINE STATE ONE CALL OF FLORIDA, INC (811)TWO FULL WORKING DAYS IN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 3. THE IRRIGATION SYSTEM MAY NOT BE COMPLETELY OPERATIONAL, OR MAY NOT PROVIDE ADEQUATE WATER TO ESTABLISH NEW PLANTINGS. THEREFORE HAND WATERING IS REQUIRED, UNTIL THE IRRIGATION IS FULL OPERATIONAL. CONTRACTOR SHALL DETERMINE WATERING SCHEDULE AND RATE TO ENSURE THE HEALTHY ESTABLISHMENT OF PLANTS. PLANTS THAT DIE OR EXCESSIVELY SHOCK DUE TO LACK OF WATER MUST BE REPLACED, AT NO COST TO THE OWNER. IF A WATER TRUCK IS UTILIZED DURING THE ESTABLISHMENT PERIOD, THE PRESSURE FROM THE WATERING TRUCK SHALL BE ADJUSTED SO THAT WATER PRESSURE IS NOT APPLIED IN A MANNER WHICH WOULD DAMAGE PLANTS, SOIL SAUCER RING OR MULCH AROUND EACH PLANT. REPAIR OR REPLACE PLANTS OR OTHER SURROUNDING ITEMS WHICH ARE DAMAGED EITHER BY WATER PRESSURE OR THE WATER TRUCK.
- 4. ALL PLANTS WILL RECEIVE A PREMIXED, DRY GRANULAR FUNGI INOCULATE COMPOUND CONSISTING OF ENDO AND ECTOMYCORRHIZAL FUNGI, BENEFICIAL BACTERIA TRICHODERMA, ORGANIC MICROBIAL NUTRIENTS AND A HORTICULTURAL GRADE GEL THAT IS MIXED IN THE BACKFILL AT PLANTING. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION METHODS AND RATES. PROVIDE SATISFACTORY EVIDENCE TO THE LANDSCAPE ARCHITECT THAT THESE SOIL AMENDMENTS HAVE BEEN PURCHASED AND UTILIZED PRIOR TO PROCEEDING WITH PLANT INSTALLATION.
- 5. ENSURE THAT PAVEMENT, STONES, ROAD BASE OR OTHER UNSUITABLE MATERIAL OVER ½ IS REMOVED FROM PLANTING AREAS. THIS PROJECT CONTAINS BOTH PROPOSED AND EXISTING PLANTING CONDITIONS. ALL AREAS TO RECEIVE NEW OR RELOCATED PLANT MATERIAL AS SHOWN ON THE LANDSCAPE PLAN SHALL BE EXCAVATED OF UNSUITABLE PLANTING MATERIAL, MINIMUM DEPTH OF 30" OR TO NATIVE SOIL, WHICHEVER IS GREATER. IMPORT AND FILL PLANTING AREAS WITH PLANTING SOIL AS SPECIFIED ON PLANS.

LANDSCAPE CODE REQUIREMENTS

CODE APPLICATION	#	REQUIRED	PROVIDED	EXISTING	RELOCATED	PROPOSED	TREE VALADATION/LOCATION
SEC. 13-443 (4) OPEN PLO	OT AREA						
1 TREE PER 1000 SF	30,675	31	31	12	10		EX. TREES (1) FICUS, (4) OAK, 3 ROYAL PALMS, 2 * SABAL CLUSTERS - RELCOATED TREES: (1) ROYAL PALM, (1) OAK (4 SABAL PALM CLUSTERS, (4) TAMARIND - PROPOSED TREES: (7 DAHOON HOLLY, (2) TRIPLE FOX TAIL PALMS, (1) ROYAL PALM, (1) TAMARIND)
5 SHRUBS PER 1000 SF		154	154				
SEC. 13-443 (6) COMMER	CIAL ABUTTING	G RESIDENTIAL	<u> </u>				
3 TREES PER 100 LF	563	17	17	4	2	11	EX. TREES (1) OAK, (1) ORANGE GEIGER, (1) BLACK OLIVE, (1) *SABAL PALM CLUSTER - RELOCATED TREES: (2) OAKS - PROPOSED TREES: (6) ROYAL PALMS, (5) ORANGE GEIGER
CONTINUOUS HEDGE		CONTINUOUS HEDGE	CONTINUOUS HEDGE	X	X	CONTINUOUS HEDGE	
SEC. 13-443 (7)(E) LANDS	CAPE BETWEEN	N BUILDINGS AN	ID VUA				
1 TREE PER 40 LF OF GREEN SPACE	40	1	1			1	PROPOSED TREES: (1) ROYAL PALM
20 SHRUBS PER 40 LF OF GREEN SPACE		20	20	Х	X	***	
30 GROUNDCOVERS PLANTS PER 40 LF OF GREEN SPACE		30	30	Х	X		
SEC. 13-443 (12) INTERIO	R LANDSCAPE I	FOR VUA					
1 TREE PER 10 PARKING SPACES	31	4	4	3		1	EX. TREES: (3)TAMARIND - PROPOSED TREES (1) TAMARIND
1 SF LANDSCAPE AREA PER 100 SF VUA	21,460	215	215	X	X		
SEC. 13-443 (13) STREET	TREES				<u></u>		
COCONUT CREEK PARKWAY 1 TREE PER 40 LF OF STREET FRONTAGE	118	3	3	0	0	3	(3) ROYAL PALM TREES
NW 45TH AVENUE 1 TREE PER 40 LF OF STREET FRONTAGE	563	15	18	16	2		EX. TREES: (11)SPINDLE PALMS, (2) BLACK OLIVE, (2) CASSIA, (1) ROYAL PALM - RELOCATED TREES: (2) SPINDLE PALMS
SEC. 13-443 (15) A) ROAD	DWAY LANDSCA	APE BUFFER WIE	OTH	***************************************		anne dia ditromo se en como con con con con con en	
COCONUT CREEK PARKWAY	70'	20'	20'				
NW 45TH AVENUE	115'	20'	VARIES**: 14.5' - 20'				
SEC. 13-443 (15)(C)(2) &	· ·	LANDSCAPE BU	Ta	La			TEV TREES (A) TANAARING
COCONUT CREEK PARKWAY 1 TREE PER 2000 SF OF BUFFER	1,991	1	1	1			EX. TREES: (1) TAMARIND
40 SHRUBS PER 2000 SF OF BUFFER		40		Х	X		
NW 45TH AVENUE 1 TREE PER 2000 SF OF BUFFER	11,119	6	6	6			EX. TREES: (4) OAKS, (2) ORANGE GEIGER
40 SHRUBS PER 2000 SF OF BUFFER		223	223	Х	X		
							7
TOTAL TREES		78	81	42	14	25	
TOTAL SHRUBS		682	642	X	X	0	II

* SABAL PALM CLUSTER = 3 INDIVIDUAL SABAL PALM TREES

** APPLICANT HAS APPLIED FOR A VARIANCE WITH REGARDS TO THE REQUIRED BUFFER WIDTH ALONG NW 45THAVENUE.

LANDSCAPE SPECIFICATIONS

- 1. PLANT MATERIAL: ALL PLANT MATERIAL SHALL BE FLORIDA #1 OR BETTER AS ESTABLISHED BY "GRADES AND STANDARDS FOR NURSERY PLANTS" OF THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
- 2. ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE OF THE SIZES AS SPECIFIED IN THE PLANT LIST.
- 3. QUANTITIES LISTED ON THE PLANT LIST ARE FOR ESTIMATING PURPOSES. CONTRACTOR SHALL VERIFY ALL QUANTITIES. MULCH, TOPSOIL, FERTILIZER, ETC. SHALL BE INCLUDED IN THE UNIT COST OF THE PLANTS.
- 4. WHERE THERE IS A DISCREPANCY EITHER IN QUANTITIES, PLANT NAMES, SIZES OR SPECIFICATIONS BETWEEN THE PLAN OR PLANT LIST, THE PLAN TAKES PRECEDENCE.
- 5. THE PLANTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL EXISTING CODES AND APPLICABLE DEED RESTRICTIONS.
- 6. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL UTILITY LOCATIONS AND INSTALLING FACILITIES SO AS TO NOT CONFLICT. ALL DAMAGE TO EXISTING UTILITIES OR IMPROVEMENTS CAUSED BY CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- 7. CONTRACTOR TO NOTIFY "SUNSHINE STATE ONE CALL OF FLORIDA, INC." AT 1-800-432-4770 TWO FULL BUSINESS DAYS PRIOR TO DIGGING FOR UNDERGROUND UTILITY LOCATIONS.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL GRADING OF ALL ASSOCIATED PLANTING AREAS.
- 9. AFTER FINAL GRADE, AREA TO BE RAKED TO 6" DEPTH AND ALL ROCK AND FOREIGN INORGANIC MATERIALS REMOVED AND DISPOSED OF PROPERLY OFF-SITE.
- 10. ALL PLANTING HOLES TO BE HAND DUG EXCEPT WHERE MACHINE DUG HOLES WILL NOT ADVERSELY AFFECT OR DAMAGE UTILITIES OR IMPROVEMENTS.
- 11. NO PLUNGING OF ANY TREE OR PALM WILL BE ACCEPTED. ALL PLANTS TO BE PLANTED AT THE NURSERY GRADE OR SLIGHTLY HIGHER.
- 12. CONTRACTOR SHALL STAKE & GUY ALL TREES AND PALMS AT TIME OF PLANTING AS PER THE APPROPRIATE DETAIL. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF ALL STAKING AND GUYING DURING WARRANTY PERIOD AND REMOVAL & DISPOSAL OF STAKING AFTER ESTABLISHMENT PERIOD.
- 13. SOD: ALL AREAS NOT USED FOR BUILDINGS, VEHICULAR USE AREAS, WALKS OR PLANTING BEDS SHALL BE GRASSED. GRASSING SHALL EXTEND TO ANY ABUTTING STREET PAVEMENT EDGE AND TO THE MEAN WATERLINE OF ANY ABUTTING CANAL, LAKE OR WATERWAY. SOD WITHIN BALLFIELDS SHALL BE CYNODON DACTYLON 'CELEBRATION' (CELEBRATION BERMUDA GRASS), ALL OTHER SOD AREAS SHALL BE PASPALUM NOTATUM (BAHIA GRASS).
- 14. PLANTING SOIL: ALL TREES AND SHRUBS SHALL BE PLANTED WITH A MINIMUM OF 12" TOPSOIL AROUND AND

- BENEATH THE ROOTBALL. MINIMUM TOPSOIL SHALL BE 4" FOR SODDED GRASS AREAS.
- 16. MULCH: A CONSISTENT 3" LAYER OF STERILZED MALELEUCA, EUCALYPTUS OR FLORIMULCH GRADE 'B' OR

15. PLANTING SOIL TO BE A WEED-FREE MIXTURE OF 50% SAND, 40% MUCK, AND 10% CANADIAN PEAT.

- BETTER. MULCH SHALL BE SPREAD OVER ALL PLANTING BEDS. CYPRESS OR TREATED RED MULCH SHALL NOT ACCEPTED. CONTRACTOR TO SUBMIT SAMPLE OF MULCH TO LANDSCAPE ARCHITECT FOR FINAL ACCEPTANCE.
- 17. ALL PLANTING BEDS AND WATER BASINS FOR TREES SHALL BE COVERED WITH A 3" MINIMUM DEPTH OF MULCH.
- 18. FERTILIZATION: 12-4-12 FERTILIZER SHALL BE APPLIED TO ALL TREES, SHRUBS AND GROUNDCOVERS. THE APPLICATION RATE SHALL BE ONE POUND OF NITROGEN PER 1,000 S.F. AND THE FERTILIZER SHALL BE BROADCAST PER MANUFACTURER'S RECOMMENDATIONS. 12-4-12 COMPLETE FERTILIZER, WITH MICOR-NUTIRENTS AND LOW PHOSPHORUS SHALL BE APPLIED TO PALMS OVER 8' IN HEIGHT AT A RATE OF 6 POUNDS PER TREE. PALMS UNDER 8' IN HEIGHT SHALL RECEIVE THE SAME FERTILIZER AT 2-5 POUNDS PER TREE.
- 19. SUBSTITUTIONS AND CHANGES: ALL SUBSTITUTIONS AND CHANGES SHALL BE APPROVED IN WRITING PRIOR TO INSTALLATION. ANY DISCREPANCIES BETWEEN PLANS, SITE AND SPECIFICATIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT, THE OWNER AND GOVERNING MUNICIPALITY.
- 20. WATERING: ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING IN ACCORDANCE WITH STANDARD NURSERY PRACTICES. IN ADDITION, CONTRACTOR WILL CONTINUE WATERING OF PLANT MATERIAL UNTIL SUBSTANTIAL COMPLETION AND AS NEEDED THEREAFTER FOR A PERIOD OF 3 MONTHS.
- 21. WARRANTY: ALL NEW PLANT MATERIAL SHALL BE GUARANTEED FOR 1 YEAR FROM TIME OF FINAL ACCEPTANCE OF PROJECT. ANY PLANT MATERIAL NOT IN A HEALTHY GROWING CONDITION WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITHIN 10 DAYS OF NOTIFICATION. FOR ALL REPLACEMENT PLANT MATERIAL, THE WARRANTY PERIOD SHALL BE EXTENDED AN ADDITIONAL 45 DAYS BEYOND THE ORIGINAL WARRANTY PERIOD. ALL TREES THAT LEAN OR ARE BLOWN OVER, CAUSED BY WINDS LESS THAN 75 MPH, WILL BE RE-SET AND BRACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 22. THE SUCCESSFUL BIDDER SHALL FURNISH TO THE OWNER A UNIT PRICE BREAKDOWN FOR ALL MATERIALS. THE OWNER MAY, AT ITS DISCRETION, ADD OR DELETE FROM THE MATERIALS UTILIZING THE UNIT PRICE BREAKDOWN SUBMITTED.
- 23. NO PLANT MATERIAL WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT SCARS, OR OTHERWISE DAMAGED.
- 24. PLANT MATERIAL WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN

CRACKED, BROKEN OR OTHERWISE DAMAGED.

- 25. ROOT-PRUNE ALL TREES A MINIMUM OF (8) WEEKS PRIOR TO PLANTING.
- 26. ALL PLANT MATERIAL PLANTED WITHIN THE SIGHT DISTANCE TRIANGLE AREAS SHALL PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30 INCHES AND 8 FEET ABOVE ADJACENT STREET GRADE.
- 27. NO CANOPY TREES SHALL BE PLANTED WITHIN 15 FEET OF A LIGHT POLE. NO PALM SPECIES SHALL BE PLANTED WITHIN 6 FEET OF A LIGHT POLE.
- 28. GROUND COVER PLANTINGS SHALL PROVIDE NOT LESS THAN 50 PERCENT COVERAGE IMMEDIATELY UPON PLANTING AND 100 PERCENT COVERAGE WITHIN 6 MONTHS AFTER PLANTING.
- 29. TREE PROTECTION BARRICADES SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AROUND EXISTING TREES THAT MAY BE IMPACTED BY THE PROPOSED CONSTRUCTION. PRIOR TO ANY CONSTRUCTION A TREE PROTECTION BARRICADE INSPECTION SHALL BE CONDUCTED BY THE LANDSCAPE ARCHITECT, OWNER OR GOVERNING MUNICIPALITY. REFER TO LANDSCAPE DETAIL FOR TREE PRESERVATION BARRICADE FENCING THE PRIMARY CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE TREE PRESERVATION BARRICADES. IN ADDITION THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY FORESTER PRIOR TO ANY ON-SITE WORK INCLUDING TREE RELOCATIONS/REMOVALS.
- 30. IN ALL PEDESTRIAN AREAS, ALL TREES AND PALMS SHALL BE MAINTAINED TO ALLOW FOR CLEAR PASSAGE AT AN 8 FOOT CLEAR TRUNK.
- 31. ALL LANDSCAPE MATERIAL SHALL BE SETBACK A MINIMUM OF 10' FROM ANY FIRE HYDRANT.
- 32. LARGE TREES INSTALLED WITHIN 8' OF HARDSCAPE AREAS OR UTILITIES SHALL REQUIRE A ROOT BARRIER TO PROTECT ADJACENT PAVED AREAS. CONTRACTOR TO SUBMIT PRODUCT CUT SHEETS FOR APPROVAL.



NO. REVISION DATE
Site Plan Submittal
2-7-14

2-7-14
DRC Comments
3-17-14
50% CD Set

4-10-14 DRC Comments #2

4-17-14



&ASSOCIATES

CERTIFICATES OF AUTHORIZATIO
EB0004593 LC26000425

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NW 45 AVE. & COCONU

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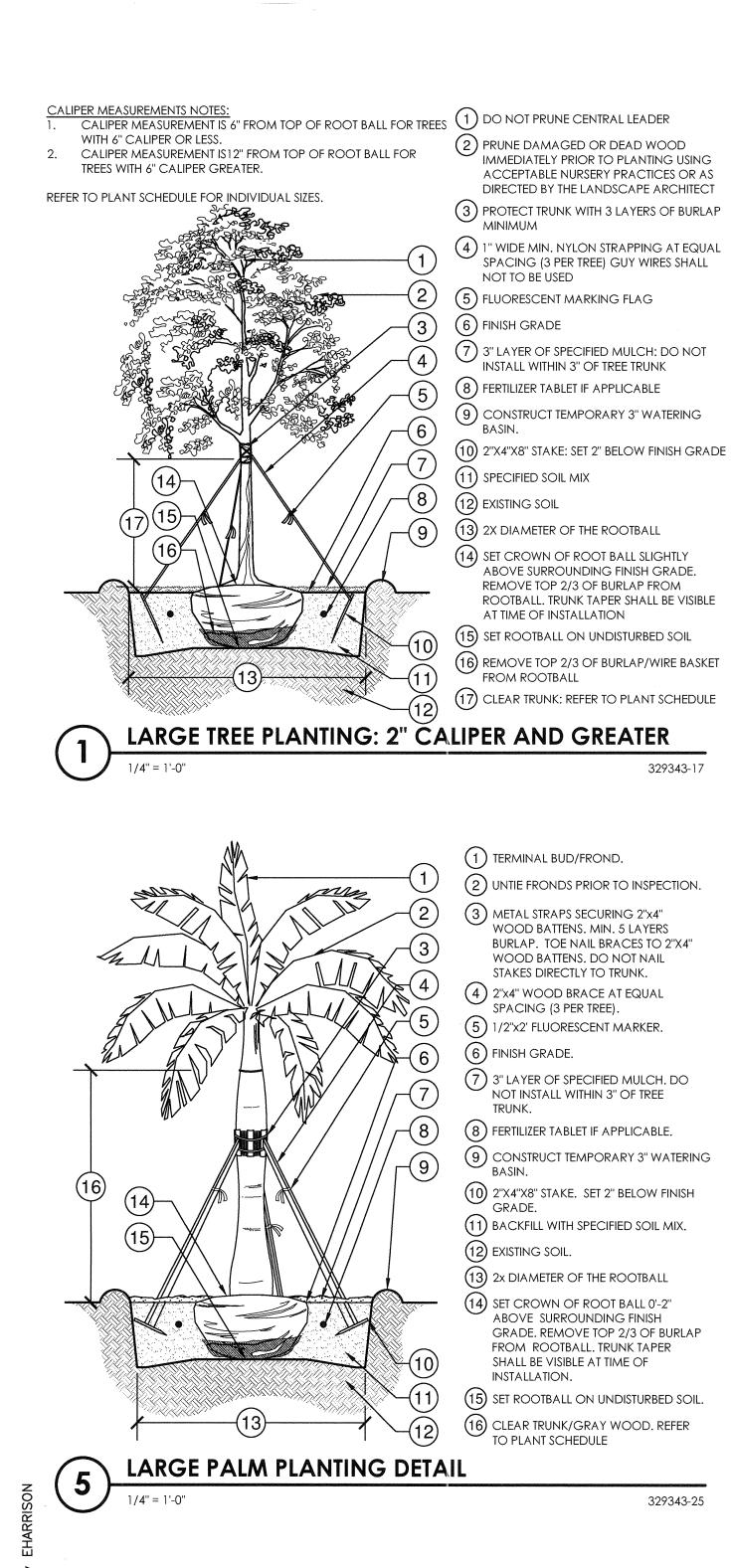
4316 WEST BROWARD BC PLANTATION, FLORIDA 3 PHONE: (954) 792-8525

DRAWING TITLE: LANDSCAPE

DETAILS

DRAWN EDH
CHECKED MSB
DATE 4-23-14
SCALE AS NOTED
PROJECT NO. 1220B
SHEET:

L2.02



(1) PROPOSED OR EXISTING TREE

(2) FUTURE OR EXISTING ROOT STRUCTURE

(3) SECURE FABRIC EVERY 2'-0" WITHIN 1/4" OF TOP

(4) EXCAVATE TRENCHES A MINIMUM OF 4" WIDE:

MATURE PLANT CANOPY PLUS 10 FEET,

ADJACENT TO PROTECTION AREA

(5) PROPOSED OR EXISTING UTILITIES

CENTERED ON THE ROOT SOURCE AND

(6) TYPAR BIOBARRIER ROOT CONTROL FABRIC

(7) EXTEND ROOT CONTROL FABRIC TO A DEPTH BELOW EXISTING OR PROPOSED UTILITY LINES

VERTICALLY PLACED TO STOP LATERAL ROOT

329413.23-01

TRENCHES MUST BE A MINIMUM LENGTH OF

INSTALLATION NOTES

OR TRENCHING.

CONTACT UTILITY COMPANY AND ENSURE UTILITY

LINES ARE PROPERLY LOCATED PRIOR TO DIGGING

2. FOR EXISTING TREES, CONSULT A PROFESSIONAL ARBORIST IF ROOT TRIMMING IS REQUIRED.

3. INSTALL & COVER BIOBARRIER WITHIN 12 HOURS

SUNLIGHT CAN REDUCE EFFECTIVE PRODUCT LIFE.

4. INSTALL TYPAR BIOBARRIER ROOT CONTROL FABRIC

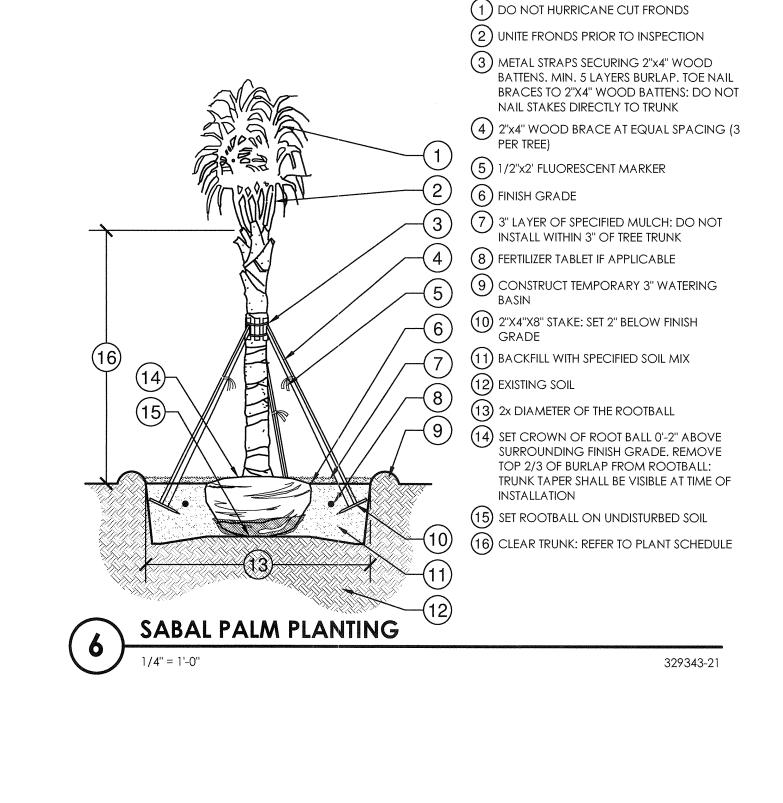
WITH NODULES FACING TOWARD ROOT SOURCE.

5. BACKFILL AND TAMP FIRMLY TO ELIMINATE SOIL SETTLING. WET SOIL, IF NECESSARY, TO ENSURE

TREE ROOT BARRIER - ADJACENT UTILITIES

PROPER SOIL COMPACTION.

AFTER OPENING. HIGH TEMPERATURES AND DIRECT



SMALL TREE PLANTING: LESS THAN 2" CALIPER

CALIPER MEASUREMENTS NOTES:

1. CALIPER MEASUREMENT IS 6" FROM TOP OF ROOT BALL FOR TREES

1. DO NOT PRUNE CENTRAL LEADER

(2) PRUNE DAMAGED OR DEAD WOOD

IMMEDIATELY PRIOR TO PLANTING USING

ACCEPTABLE NURSERY PRACTICES OR AS

DIRECTED BY THE LANDSCAPE ARCHITECT

(3) PROTECT TRUNK WITH 3 LAYERS OF BURLAP

1" WIDE MIN. NYLON STRAPPING AT EQUAL SPACING (3 PER TREE) GUY WIRES SHALL

(7) 3" LAYER OF SPECIFIED MULCH: DO NOT

(8) 2"X4"X8" STAKE: SET 2" BELOW FINISH GRADE

INSTALL WITHIN 3" OF TREE TRUNK

(9) CONSTRUCT TEMPORARY 3" WATERING BASIN

(10) BACKFILL WITH SPECIFIED SOIL MIX

(11) FERTILIZER TABLET IF APPLICABLE

(13) 2X DIAMETER OF THE ROOTBALL

AT TIME OF INSTALLATION

(14) SET CROWN OF ROOT BALL SLIGHTLY

(15) SET ROOTBALL ON UNDISTURBED SOIL

ABOVE SURROUNDING FINISH GRADE.

ROOTBALL: TRUNK TAPER SHALL BE VISIBLE

329343-18

REMOVE TOP 2/3 OF BURLAP FROM

(16) CLEAR TRUNK: REFER TO PLANT SCHEDULE

NOT TO BE USED

(6) FINISH GRADE

(12) EXISTING SOIL

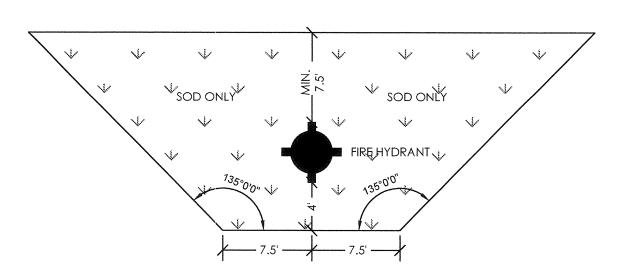
(5) 1/2"X2" FLUORESCENT MARKER

WITH 6" CALIPER OR LESS.

TREES WITH 6" CALIPER GREATER.

REFER TO PLANT SCHEDULE FOR INDIVIDUAL SIZES.

CALIPER MEASUREMENT IS12" FROM TOP OF ROOT BALL FOR



COCONUT CREEK FIRE HYDRANT CLEAR ZONE DETAIL

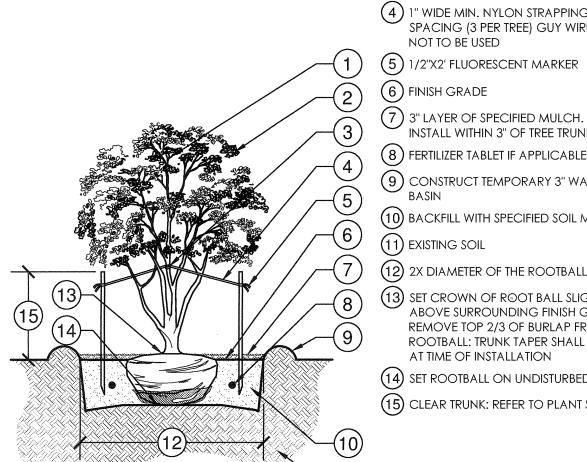
WITH 6" CALIPER OR LESS.

CALIPER MEASUREMENTS NOTES:

1. CALIPER MEASUREMENT IS 6" FROM TOP OF ROOT BALL FOR TREES 1 DO NOT PRUNE CENTRAL LEADER

2. CALIPER MEASUREMENT IS12" FROM TOP OF ROOT BALL FOR

TREES WITH 6" CALIPER GREATER. REFER TO PLANT SCHEDULE FOR INDIVIDUAL SIZES.



MULTI-TRUNK TREE PLANTING

(2) PRUNE DAMAGED OR DEAD WOOD IMMEDIATELY PRIOR TO PLANTING USING ACCEPTABLE NURSERY PRACTICES OR AS DIRECTED BY THE LANDSCAPE ARCHITECT (3) PROTECT TRUNK WITH 3 LAYERS OF BURLAP

1" WIDE MIN. NYLON STRAPPING AT EQUAL SPACING (3 PER TREE) GUY WIRES SHALL

(5) 1/2"X2" FLUORESCENT MARKER

(7) 3" LAYER OF SPECIFIED MULCH. DO NOT INSTALL WITHIN 3" OF TREE TRUNK (8) FERTILIZER TABLET IF APPLICABLE

(9) CONSTRUCT TEMPORARY 3" WATERING (10) BACKFILL WITH SPECIFIED SOIL MIX

(13) SET CROWN OF ROOT BALL SLIGHTLY ABOVE SURROUNDING FINISH GRADE. REMOVE TOP 2/3 OF BURLAP FROM ROOTBALL: TRUNK TAPER SHALL BE VISIBLE AT TIME OF INSTALLATION (14) set rootball on undisturbed soil

(15) CLEAR TRUNK: REFER TO PLANT SCHEDULE

(4) 2x DIAMETER OF THE ROOTBALL.

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(5) TREE TRUNK

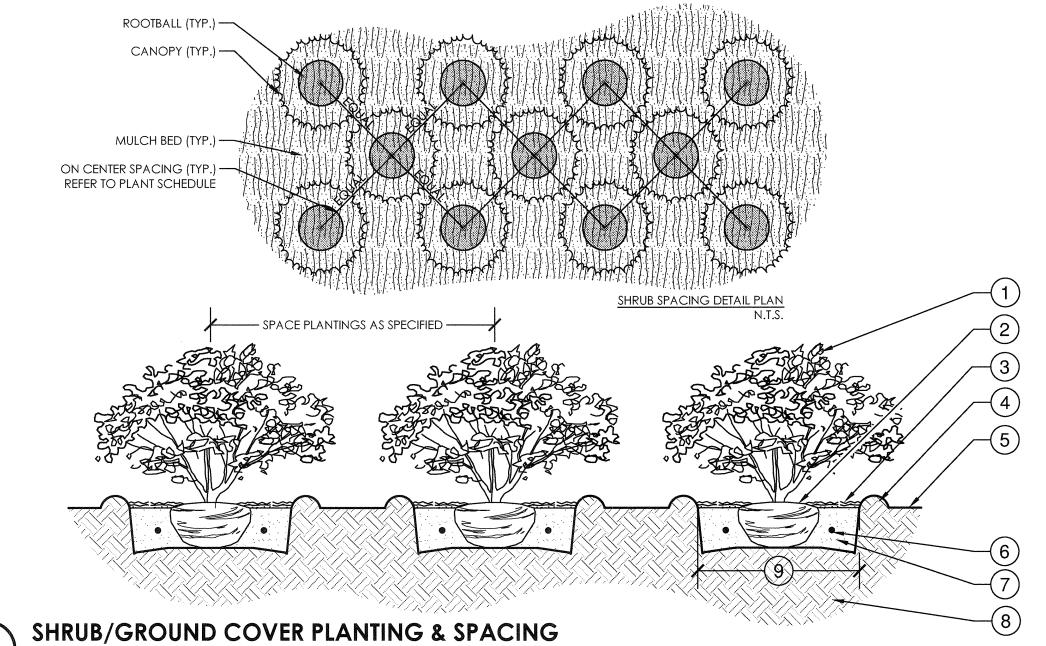
(1) 2"x4" WOOD BRACE AT EQUAL SPACING (3 PER TREE)

(2) 3" LAYER OF SPECIFIED MULCH: DO NOT INSTALL WITHIN 3" OF TREE TRUNK (3) CONSTRUCT TEMPORARY 3" WATERING BASIN

(6) ROOTBALL (7) TREE CANOPY

LARGE TREE STAKING DETAIL

329343-22



(1) PLANT MATERIAL SHALL NOT BE PRUNED PRIOR TO INSTALLATION: AFTER PLANTS HAVE BEEN INSTALLED, EACH PLANT SHALL BE PRUNED FOR UNIFORMITY (2) SET CROWN OF ROOT SLIGHTLY ABOVE SURROUNDING FINISH GRADE: TRUNK

INSTALLATION 3 3" LAYER OF SPECIFIED MULCH: DO NOT INSTALL WITHIN 3" OF TREE TRUNK 4 CONSTRUCT TEMPORARY 3" WATERING BASIN

TAPER SHALL BE VISIBLE AT TIME OF

(5) FINISH GRADE

(6) FERTILIZER TABLET IF APPLICABLE. (7) BACKFILL WITH SPECIFIED SOIL MIX (8) EXISTING SOIL

9 2x DIAMETER OF THE ROOTBALL

329333-08

NO. REVISION DATE Site Plan Submittal

2-7-14

3-17-14

4-10-14

4-17-14

CONSULTANT:

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&ASSOCIATES

CERTIFICATES OF AUTHORIZATION

EB0004593 LC26000425

50% CD Set

DRC Comments

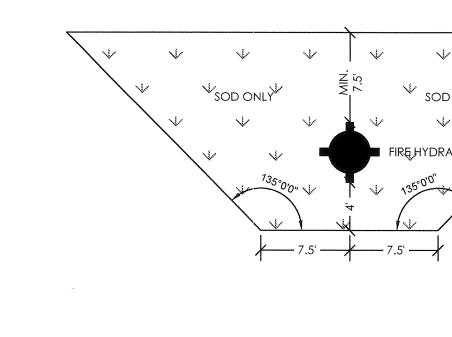
DRC Comments #2



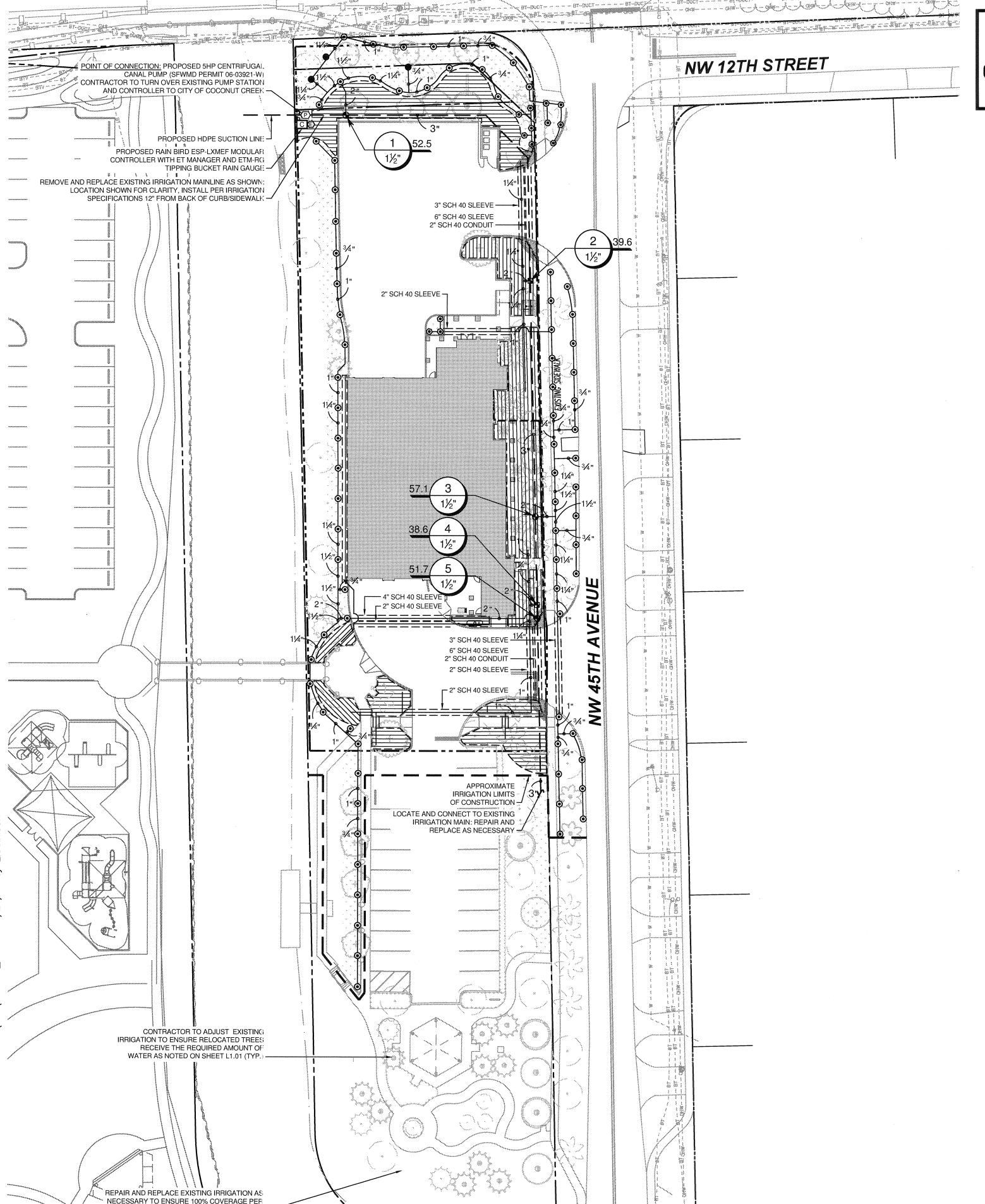
DRAWING TITLE: LANDSCAPE DETAILS

DRAWN CHECKED DATE 4-23-14 SCALE AS NOTED PROJECT NO. 1220B SHEET:

CRINTEOBAL BETANCOURT, RLA LÆGISTRÄTTON 🗺 66.6941 STASTFAOF FLORIDA



COCONUT CREEK PARKWAY



IRRIGATION SPECIFICATIONS —

IDDIC ATION COLEDINE

GRAPHIC SCALE

(IN FEET) 1 INCH = 30 FEET

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SYMBOL	MANUFACTURER/MODEL	QTY	ARC	<u>PSI</u>	RADIUS
	Rain Bird RD-06-S-P30-F 15 Series MPR	3	360	30	15'
•	Rain Bird RD-06-S-P30-F 10 Series VAN	13	Adj	30	10'
•	Rain Bird RD-06-S-P30-F 15 Series VAN	80	Adj	30	15'
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	QTY			
	Rain Bird XCZ-150-PRB-COM 1-1/2" PESB remote control valve with two 1" pressure regulating quick-check basket filters.	2			
	Area to Receive Dripline Rain Bird XFD-09-12 (18) XFD On-Surface Pressure Compensating UV Resistant Dripline. 0.9GPH emitters at 12" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern.	7,254 s.f.			
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	QTY			
•	Rain Bird PEB-PRS-D 1-1/2" remote control valve with pressure regulator.	3			
С	Rain Bird ESP-LXMEF 8 Station modular controller with plastic wall mount, flow sensing, and water management capabilities	1			
	Rain Bird ETC-LX and ETM-RG ET manager cartridge with ETM-RG tipping bucket rain gauge.	1			
P	Pump Station 5 HP centrifugal pumping system with variable frequency drive, flow sensor, and discharge isolation valve. 60 GPM, 150 TDH.	1			
	Irrigation Lateral Line: PVC Class 200 SDR 21	2,300 l.f.			
	Irrigation Mainline: PVC Class 200 SDR 21	550 l.f.			
	Pipe Sleeve: PVC Schedule 40 Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	470 l.f.			
	Valve Callout ————Valve Number				
#" • # •-	Valve Flow				

GENERAL NOTES

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

VALVE SCHEDULE

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NUMBER	MODEL	SIZE	<u>TYPE</u>	<u>PSI</u>	PSI @ POC	<u>GPM</u>	<u>PRECIP</u>	
1	Rain Bird PEB-PRS-D	1-1/2"	Turf Spray	39.48	39.54	52.49	1.43 in/h	
2	Rain Bird XCZ-150-PRB-COM	1-1/2"	Shrub Dripline	52.17	52.46	39.61	1.03 in/h	
3	Rain Bird PEB-PRS-D	1-1/2"	Turf Spray	38.10	39.02	57.12	1.46 in/h	
4	Rain Bird XCZ-150-PRB-COM	1-1/2"	Shrub Dripline	53.56	54.07	38.63	1.03 in/h	
5	Rain Bird PEB-PRS-D	1-1/2"	Turf Spray	40.94	41.84	51.68	0.81 in/h	

NO. REVISION DATE Site Plan Submittal 2-7-14

DRC Comments 3-17-14 50% CD Set 4-10-14 DRC Comments #2 4-17-14

CONSULTANT:

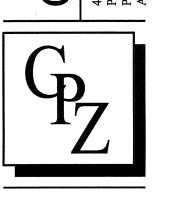
&ASSOCIATES

CERTIFICATES OF AUTHORIZATION

FIRE

NEW

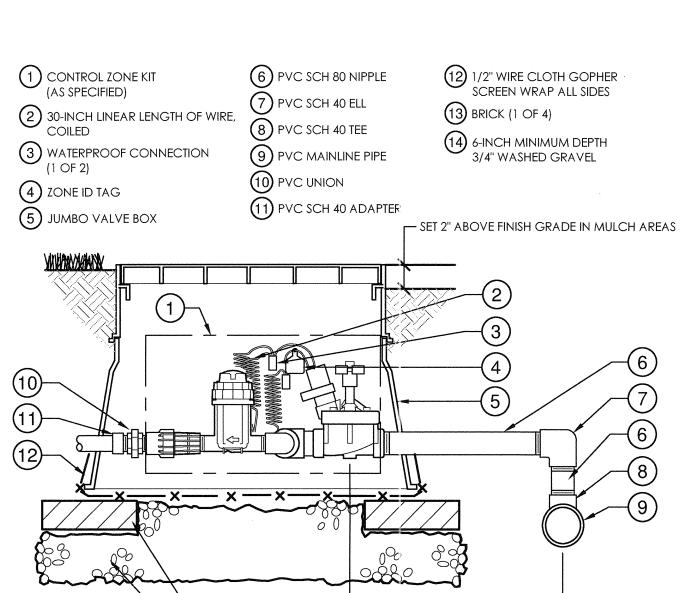
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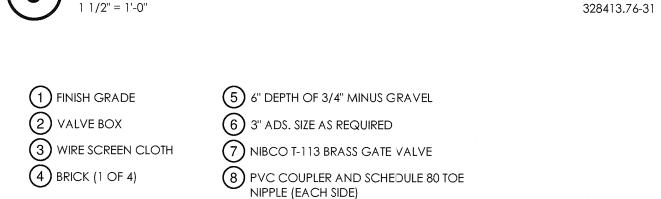


DRAWING TITLE: IRRIGATION PLAN

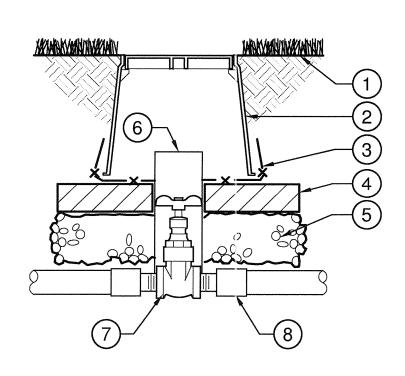


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DATE	4-	23-14
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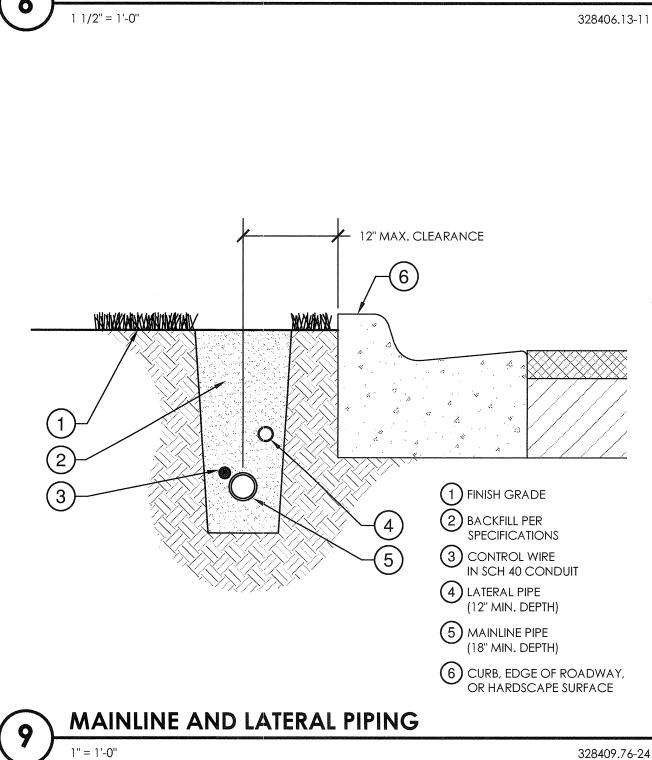




CONTROL ZONE KIT WITH BASKET FILTER



ISOLATION VALVE 32 8409.56-08



PRESSURE REGULATING REMOTE CONTROL VALVE



328413.56-86

10) PVC SCH 40 ADAPTER

12 BRICK (1 OF 4)

1/2" WIRE CLOTH GOPHER SCREEN WRAP ALL SIDES

6-INCH MINIMUM DEPTH

3/4" WASHED GRAVEL

6 RATCHET CLAMP (INCLUDED WITH ADAPTER)

7) INSERT ADAPTER FOR PVC PIPE

INIMUM 1" IN DIAMETER

1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET

2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE

SET 2" ABOVE FINISH GRADE

IN MULCH AREAS

IN LOAM, AND FIVE FEET IN CLAY.

CHANGE OF DIRECTION.

(6) PVC SCH 80 NIPPLE

(7) PVC SCH 40 ELL

(8) PVC SCH 40 TEE

(9) PVC MAINLINE PIPE

TYPICAL DRIPLINE AND HEADER

30-INCH LINEAR LENGTH OF WIRE, 5 JUMBO VALVE BOX COILED

2 WATERPROOF CONNECTION

(4) REMOTE CONTROL VALVE

WITH PRESSURE REGULATOR

(3) ZONE ID TAG

MINIMUM 12" DEPTH

8 PVC LATERAL PIPE

1) ON-SURFACE DRIPLINE

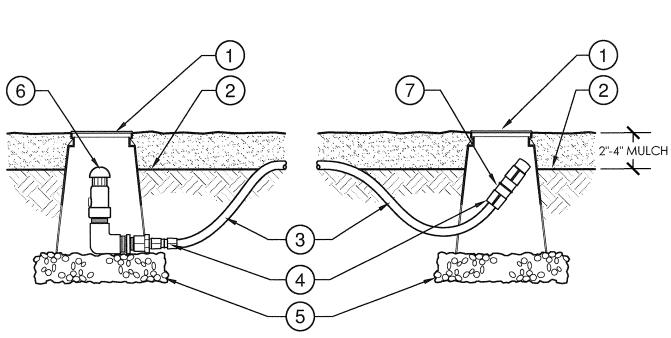
2 INLINE DRIP EMITTER OUTLET

(3) TIE DOWN STAKE (TYPICAL)

4 EASY FIT COMPRESSION TEE

(5) FINISH GRADE

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



AIR RELIEF AND FLUSH VALVE

5 DRIPLINE LATERAL NOT TO

RECOMMENDED LENGTH

6 ROW SPACING AS PER PLANS.
OFFSET EMITTERS FOR

TRIANGULAR SPACING

(7) FLUSH VALVE AT LOW POINT

EXCEED MAXIMUM

TYPICAL DRIPLINE LAYOUT

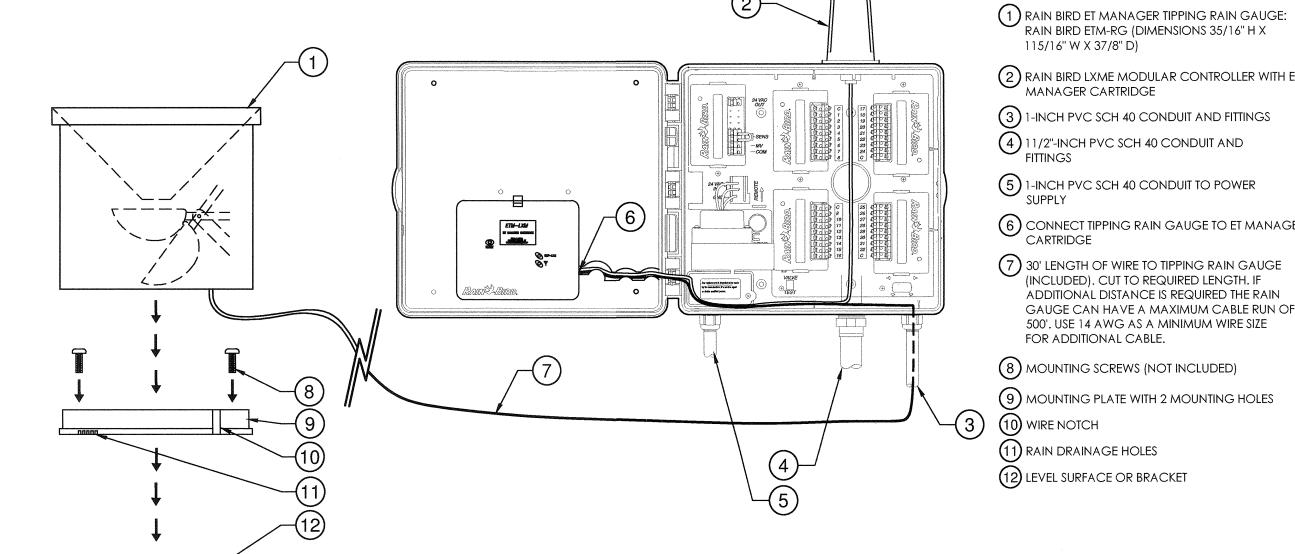
1) PVC HEADER

2) AIR RELIEF VALVE AT HIGH POINT

3 COMPRESSION FITTING

4 REMOTE CONTROL VALVE

328413.56-88



328413.56-87

115/16" W X 37/8" D) 2 RAIN BIRD LXME MODULAR CONTROLLER WITH ET MANAGER CARTRIDGE (3) 1-INCH PVC SCH 40 CONDUIT AND FITTINGS

4) 11/2"-INCH PVC SCH 40 CONDUIT AND FITTINGS

5) 1-INCH PVC SCH 40 CONDUIT TO POWER SUPPLY 6 CONNECT TIPPING RAIN GAUGE TO ET MANAGER

7) 30' LENGTH OF WIRE TO TIPPING RAIN GAUGE (INCLUDED). CUT TO REQUIRED LENGTH. IF ADDITIONAL DISTANCE IS REQUIRED THE RAIN GAUGE CAN HAVE A MAXIMUM CABLE RUN OF 500'. USE 14 AWG AS A MINIMUM WIRE SIZE FOR ADDITIONAL CABLE.

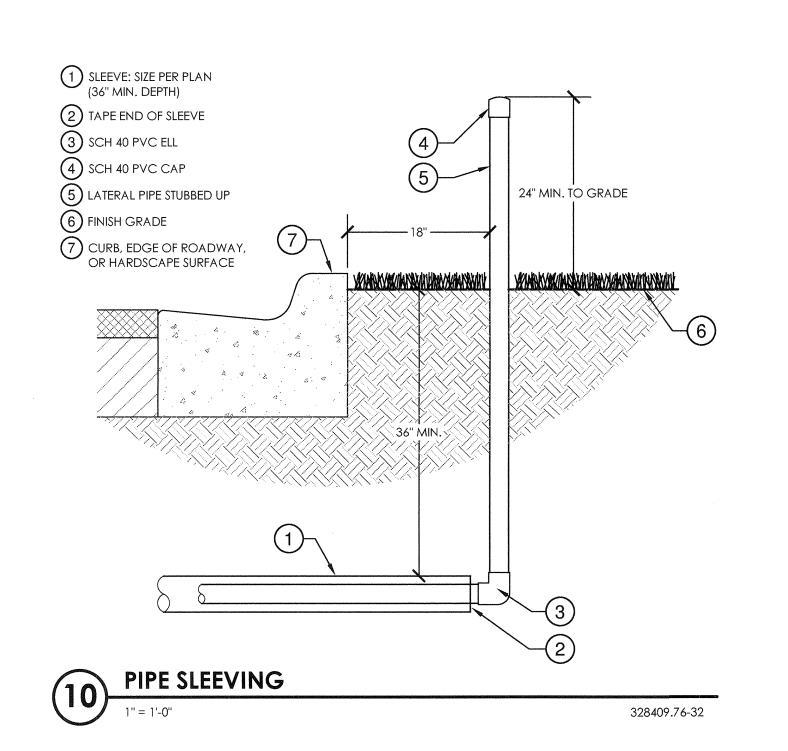
(8) MOUNTING SCREWS (NOT INCLUDED)

9 MOUNTING PLATE WITH 2 MOUNTING HOLES (10) WIRE NOTCH (11) RAIN DRAINAGE HOLES

(12) LEVEL SURFACE OR BRACKET

LXME OUTDOOR CONTROLLER WITH ET AND ETM-RG

32 8409.13-09





CERTIFICATES OF AUTHORIZATION STATION 50 NW 45 AVE. FIRE NEW PROPOSED

NO. REVISION DATE

Site Plan Submittal

DRC Comments #2

DRC Comments

2-7-14

3-17-14

4-10-14

4-17-14

CONSULTANT:

&ASSOCIATES

COCONUT CREEK, FLORID

50% CD Set

DRAWING TITLE: IRRIGATION DETAILS

DRAWN CHECKED 4-23-14 DATE SCALE AS NOTED PROJECT NO. 1220B SHEET:

328409.76-24

- 1. THE SYSTEM HAS BEEN DESIGNED TO CONFORM WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. SHOULD ANY CONFLICT EXIST, THE REQUIREMENTS OF THE CODES SHALL PREVAIL. IT IS THE RESPONSIBILITY OF THE OWNER/INSTALLATION CONTRACTOR TO ENSURE THE ENTIRE SYSTEM IS INSTALLED ACCORDING TO ALL APPLICABLE LAWS, RULES, REGULATIONS AND CONVENTIONS. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS ACCORDING TO FEDERAL, STATE AND LOCAL LAWS.
- 2. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
- 3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
- 4. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND VERIFY PROPER CLEARANCE WITH FPL ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
- 5. THE CONTRACTOR MUST SUBMIT FOR APPROVAL, PRIOR TO INSTALLATION, COPIES OF THE MANUFACTURER'S CUT SHEETS/SPECIFICATIONS FOR ALL COMPONENTS TO BE USED IN THE IRRIGATION SYSTEM.
- 6. THE IRRIGATION CONTRACTOR SHALL BE CERTIFIED AS A CERTIFIED IRRIGATION CONTRACTOR BY THE IRRIGATION ASSOCIATION. THE CERTIFICATION SHALL BE CURRENT AND IN GOOD STANDING.

SCOPE OF WORK

- 1. THE WORK SPECIFIED IN THIS SECTION CONSISTS OF FURNISHING ALL COMPONENTS NECESSARY FOR THE INSTALLATION, TESTING, AND DELIVERY OF A COMPLETE, FULLY FUNCTIONAL AUTOMATIC LANDSCAPE IRRIGATION SYSTEM THAT COMPLETELY COMPLIES WITH THE 100% IRRIGATION PLANS, SPECIFICATIONS, NOTES, DETAILS AND ALL APPLICABLE LAWS, REGULATIONS, CODES AND ORDINANCES. THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE PROVIDING OF ALL REQUIRED MATERIAL (PIPE, VALVES, FITTINGS, CONTROLLERS, WIRE, PRIMER, GLUE, ETC.), LAYOUT, PROTECTION OF THE PUBLIC, EXCAVATION, ASSEMBLY, INSTALLATION, BACK FILLING, COMPACTING, REPAIR OF ROAD SURFACES, CONTROLLER AND LOW VOLTAGE FEEDS TO VALVES, CLEANUP, MAINTENANCE, GUARANTEE AND AS-BUILT PLANS.
- 2. ALL IRRIGATED AREAS SHALL PROVIDE 100% HEAD-TO-HEAD COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM WITH A RAIN SENSOR AS SHOWN. THE RAIN SENSOR SHALL BE INSTALLED TO PREVENT ITS ACTIVATION BY ADJACENT HEADS. ALL WATERING PROCEDURES SHALL CONFORM TO LOCAL CODES, AS WELL AS THIS PROJECT'S REGIONAL WATER MANAGEMENT DISTRICT RESTRICTIONS AND REGULATIONS. ZONES ARE PRIORITIZED FIRST BY PUBLIC SAFETY AND THEN BY HYDRAULIC CONCERNS. THIS SEQUENCING WILL BE A MANDATORY PUNCH LIST ITEM. THESE PLANS HAVE BEEN DESIGNED TO SATISFY/EXCEED THE FLORIDA BUILDING CODE (FBC) APPENDIX F AND THE FLORIDA IRRIGATION SOCIETY STANDARDS AND SPECIFICATIONS FOR TURF AND LANDSCAPE IRRIGATION SYSTEMS, FOURTH EDITION.
- 3. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES 72 HOURS PRIOR TO COMMENCEMENT OF WORK.
- 4. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, STRUCTURES AND UTILITIES. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTION, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS, OR DIFFERENCES, SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER' AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION is not performed, the irrigation contractor shall assume full responsibility for any revisions NECESSARY.
- IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING SITE ITEMS DAMAGED BY THEIR WORK. IRRIGATION CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE location and installation of PIPE sleeves and laterals through walls, under roadways and PAVING, ETC.
- 6. THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REPAIR, REPLACE, OR RESTORE ALL SERVICES TO ANY UTILITIES WHICH ARE DISRUPTED DUE TO THEIR OPERATIONS. ALL COSTS INVOLVED IN DISRUPTION OF SERVICE AND REPAIRS DUE TO NEGLIGENCE ON THE PART OF THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

POINT OF CONNECTION (POC)

- 1. THE POC IS AN EXISTING 5HP PUMP SYSTEM UTILIZING A CANAL SOURCE (SFWMD PERMIT 06-03921-W). THE POC SHALL BE CAPABLE OF SUPPLYING A MINIMUM OF 50 GPM AT 150 TDH (60 PSI AT DISCHARGE). CONTRACTOR SHALL VERIFY THESE MINIMUM CONDITIONS CAN BE MET PRIOR TO BEGINNING IRRIGATION SYSTEM INSTALLATION.
- 2. IF THE CONDITIONS CAN NOT BE MET, THE CONTRACTOR MUST NOTIFY THE DESIGNER PRIOR TO PROCEEDING WITH THE WORK. IF THE CONTRACTOR DOES NOT DO SO, THE CONTRACTOR PROCEEDS AT THEIR OWN RISK AND BECOMES RESPONSIBLE FOR ANY FUTURE WORK REQUIRED TO MAKE THE SYSTEM PERFORM AS REQUIRED.

CENTRIFUGAL PUMP SYSTEM PLAN

- 1. PIPE LOCATIONS SHOWN ON THE PLAN ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD. WHEN LAYING OUT MAINLINES PLACE A MAXIMUM OF 12" AWAY FROM EITHER THE BACK OF CURB. FRONT OF WALK, BACK OF WALK, OR OTHER HARDSCAPE TO ALLOW FOR EASE IN LOCATING AND PROTECTION FROM PHYSICAL DAMAGE. INSTALL ALL LATERAL PIPE NEAR EDGES OF PAVEMENT OR AGAINST BUILDINGS WHENEVER POSSIBLE TO ALLOW SPACE FOR PLANT ROOT BALLS. ALWAYS INSTALL PIPING INSIDE PROJECT PROPERTY BOUNDARY.
- PIPES SHALL ALWAYS BE PLACED IN PLANTING BEDS. IF IT IS NECESSARY TO HAVE PIPING UNDER HARDSCAPES, SUCH AS ROADS, WALKS, AND PATIOS, THE PIPES MUST BE SLEEVED USING SCH 40 PVC WITH THE SLEEVE DIAMETER BEING TWICE THE SIZE OF THE PIPE IT IS CARRYING WITH A MINIMUM SLEEVE SIZE OF 2".
- 3. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED AND REJECTED PIPE SHALL BE REMOVED FROM THE SITE AT THE TIME OF SAID REJECTION.
- 4. PVC PIPE JOINT COMPOUND AND PRIMER: SLOW-DRYING, HEAVY DUTY CEMENT AND TINTED (PURPLE) PRIMER THAT IS COMPATIBLE WITH THE CEMENT. THE PVC CEMENT SHALL BE WELD-ON 2711 GREY AND THE PRIMER SHALL BE WELD-ON P70 PURPLE PRIMER, OR APPROVED EQUALS.
- MAIN LINE PIPE DEPTH MEASURED TO THE TOP OF PIPE SHALL BE 18" MINIMUM, 36" MINIMUM AT VEHICULAR
- LATERAL LINE DEPTHS MEASURED TO TOP OF PIPE SHALL BE 12" MINIMUM, 30" MINIMUM AT VEHICULAR CROSSINGS.

- IRRIGATION CONTROL WIRE SHALL BE THERMOPLASTIC SOLID COPPER, SINGLE CONDUCTOR, LOW VOLTAGE IRRIGATION CONTROLLER WIRE SUITABLE FOR DIRECT BURIAL AND CONTINUOUS OPERATION AT RATED VOLTAGES.
- TAPE AND BUNDLE CONTROL WIRES EVERY 10' AND RUN ADJACENT TO THE MAINLINE INSIDE SCHEDULE 40 PVC CONDUIT. AT ALL TURNS IN DIRECTION MAKE A 2' COIL OF WIRE USING A JUNCTION BOX. AT ALL VALVE BOXES COIL WIRE AROUND A 3/4" PIECE OF PVC PIPE TO MAKE A COIL USING 30 LINEAR INCHES OF WIRE. MAKE ELECTRICAL CONNECTIONS WITH 3M-DBY, DBR CONNECTORS.
- WIRE SIZED, NUMBERED AND COLORED AS FOLLOWS:
- #14 COMMON WHITE
- #14 TWO SPARE COMMON BLACK
- #14 HOT WIRES RED
- #14 FOUR SPARE HOT WIRES YELLOW

- 1. LAY OUT IRRIGATION SYSTEM MAINLINES AND LATERAL LINES. MAKE THE NECESSARY ADJUSTMENTS AS REQUIRED TO TAKE INTO ACCOUNT ALL SITE OBSTRUCTIONS AND LIMITATIONS PRIOR TO EXCAVATING TRENCHES.
- STAKE ALL SPRINKLER HEAD LOCATIONS. ADJUST LOCATION AND MAKE THE NECESSARY MODIFICATIONS TO NOZZLE TYPES, ETC. REQUIRED TO ENSURE 100% HEAD TO HEAD COVERAGE. REFER TO THE EDGE OF PAVEMENT DETAIL ON THE IRRIGATION DETAIL SHEET.
- 3. SPRAY HEADS SHALL BE INSTALLED 4" FROM SIDEWALKS OR CURBED ROADWAYS AND 12" FROM UNCURBED ROADWAYS AND BUILDING FOUNDATIONS.
- LOCATE VALVES PRIOR TO EXCAVATION. ENSURE THAT THEIR LOCATION PROVIDES FOR EASY ACCESS AND THAT THERE IS NO INTERFERENCE WITH PHYSICAL STRUCTURES, PLANTS, TREES, POLES, ETC. VALVE BOXES MUST BE PLACED A MINIMUM OF 12" AND A MAXIMUM OF 15" FROM THE EDGE OF PAVEMENT, CURBS, ETC. AND THE TOP OF THE BOX MUST BE 2" ABOVE FINISH GRADE. NO VALVE BOXES SHALL BE INSTALLED IN TURF AREAS WITHOUT APPROVAL BY THE IRRIGATION DESIGNER; ONLY IN SHRUB BEDS. NEVER INSTALL VALVE BOXES IN SPORT FIELD AREAS.

INSTALLATION

- 1. PIPES MUST CURE A MINIMUM OF 30 MINUTES PRIOR TO HANDLING AND PLACING INTO TRENCHES. A LONGER CURING TIME MAY BE REQUIRED; REFER TO THE MANUFACTURER'S SPECIFICATIONS. THE PIPE MUST CURE A MINIMUM OF 24 HOURS PRIOR TO FILLING WITH WATER.
- PRIOR TO THE PLACEMENT OF HEADS, FLUSH ALL LINES FOR A MINIMUM OF 10 MINUTES OR UNTIL LINES ARE COMPLETELY CLEAN OF DEBRIS, WHICHEVER IS LONGER.

BACKFILLING

- 1. THE BACKFILL 6" BELOW AND 6" ABOVE ALL PIPING SHALL BE CLEAN SAND. ALL OTHER TRONCH BACKFILL CAN BE NATIVE MATERIAL BUT SHALL NOT CONTAIN ANYTHING LARGER THAN 2" IN DIAMETER.
- 2. Contractor shall backfill all piping, both mainline and laterals, prior to performing any PRESSURE TESTS. THE PIPE SHALL BE BACKFILLED WITH THE EXCEPTION OF 2' ON EACH SIDE OF EVERY JOINT (BELL FITTINGS, 90'S, TEES, 45'S, ETC.). THESE JOINTS SHALL NOT BE BACKFILLED UNTIL ALL PIPING HAS SATISFACTORILY PASSED ITS APPROPRIATE PRESSURE TEST AS OUTLINED BELOW.

- . PRIOR TO THE PLACEMENT OF HEADS, FLUSH ALL LINES FOR A MINIMUM OF 10 MINUTES OR UNTIL LINES ARE COMPLETELY CLEAN OF DEBRIS, WHICHEVER IS LONGER.
- 2. USE SCREENS IN HEADS AND ADJUST HEADS FOR PROPER COVERAGE AVOIDING EXCESS WATER ON WALLS, WALKS AND PAVING.

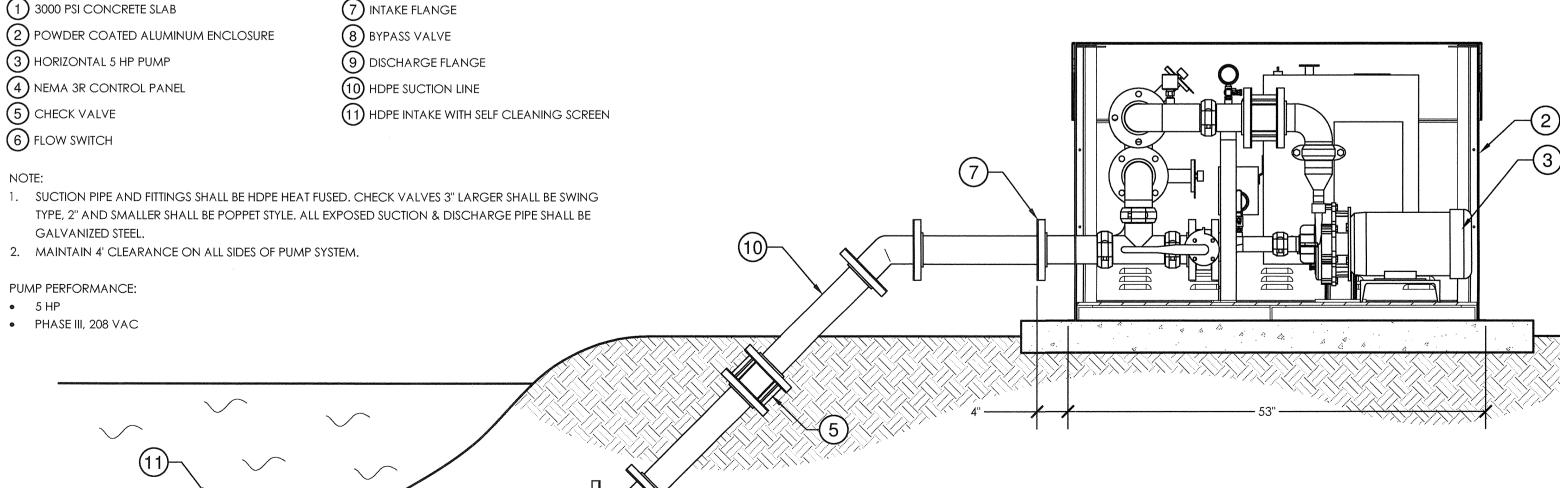
SUBMITTALS

- 1. THE CONTRACTOR MUST SUBMIT FOR APPROVAL, PRIOR TO INSTALLATION, COPIES OF THE MANUFACTURER'S CUT SHEETS/SPECIFICATIONS FOR ALL COMPONENTS TO BE USED IN THE IRRIGATION SYSTEM.
- 2. AFTER PROJECT COMPLETION, AND AS A CONDITION OF FINAL ACCEPTANCE, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE OWNER WITH A HIGH QUALITY, ACCURATE, AND LEGIBLE SET OF AS-BUILT DRAWINGS. THE AS-BUILTS MUST IDENTIFY ALL REMOTE CONTROL VALVES, GATE VALVES, BALL VALVES, SPLICE BOXES, CONTROLLERS, MAINLINE, SLEEVING, AND LOW VOLTAGE WIRING. EACH OF THESE ITEMS IS SHALL LOCATED USING A SUBMETER GPS SYSTEM. THE IRRIGATION CONTRACTOR MUST ALSO PROVIDE ACCURATE, INFORMATIVE, AND EASY TO FOLLOW AND UNDERSTAND OPERATION AND MAINTENANCE MANUALS FOR ALL COMPONENTS OF THE IRRIGATION SYSTEM.
- 3. Controller charts upon completion of "as-builts", contractor shall prepare controller CHARTS AT ONE PER CONTROLLER. INDICATE ON EACH CHART THE AREA CONTROLLED BY A REMOTE CONTROL VALVE (USING A DIFFERENT COLOR FOR EACH ZONE). THIS CHART SHALL BE REDUCED TO A SIZE THAT WILL FIT INSIDE OF THE CONTROLLER DOOR. THE REDUCTION SHALL BE HERMETICALLY SEALED INSIDE TWO 2ML PIECES OF CLEAR PLASTIC.

FINAL ACCEPTANCE

- 1. FINAL ACCEPTANCE OF THE IRRIGATION SYSTEM WILL BE GIVEN AFTER THE FOLLOWING DOCUMENTS AND CONDITIONS HAVE BEEN COMPLETED AND APPROVED. FINAL PAYMENT WILL NOT BE RELEASED UNTIL THESE CONDITIONS ARE SATISFIED:
- 1.1. FINAL WALK-THRU AND CORRECTION OF ALL PUNCH LIST ITEMS.
- 1.2. COMPLETION AND ACCEPTANCE OF `AS-BUILT' DRAWINGS.
- 1.3. ACCEPTANCE OF REQUIRED CONTROLLER CHARTS AND PLACEMENT INSIDE OF CONTROLLERS.
- 1.4. TURNOVER OF ALL REQUIRED PARTS AND TOOLS AS OUTLINED IN THE PROJECT SPECIFICATIONS.
- 2. Guarantee: the irrigation systems shall be guaranteed for a minimum of one calendar year FROM THE TIME OF FINAL ACCEPTANCE.





2. MAINTAIN 4' CLEARANCE ON ALL SIDES OF PUMP SYSTEM

PUMP PERFORMANCE:

1) 3000 PSI CONCRETE SLAB

PHASE III, 208 VAC

EGISTRATION NO. 566694 STATE OF FILORIDA 32 8409.56-08

Site Plan Submittal 2-7-14 DRC Comments 3-17-14

NO. REVISION DATE

DRC Comments #2

50% CD Set 4-10-14

4-17-14

CONSULTANT:

IRE

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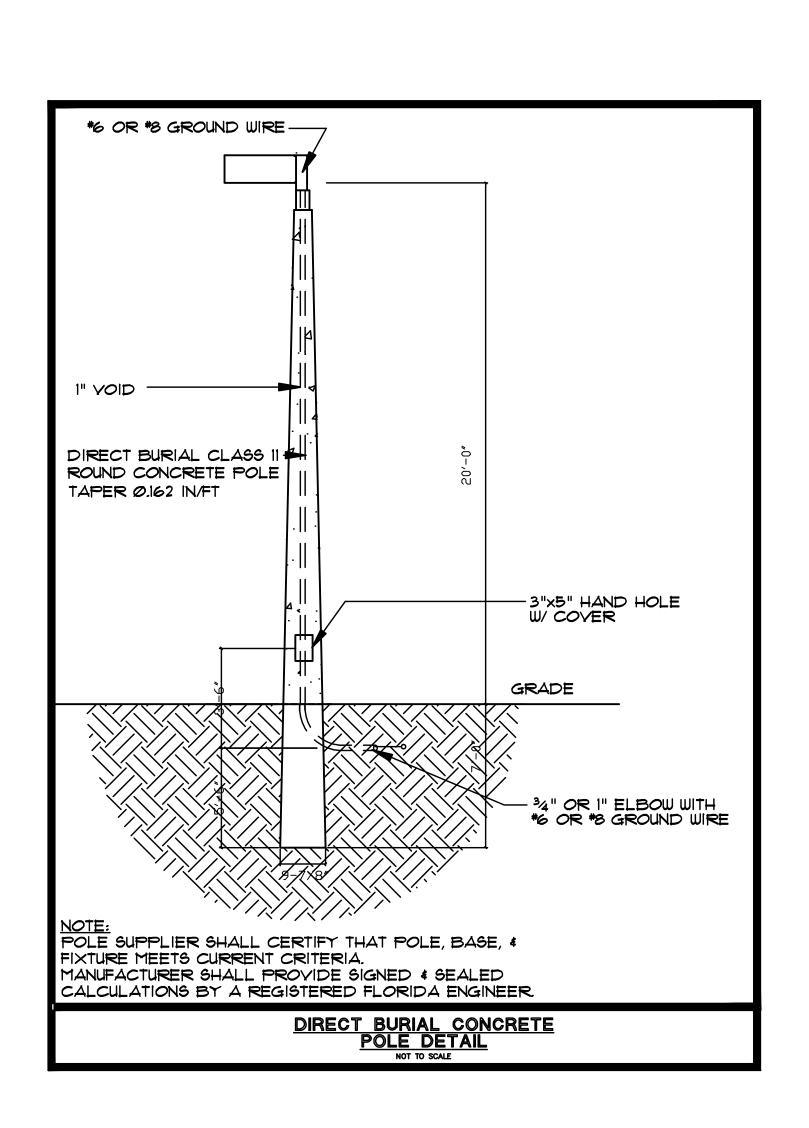
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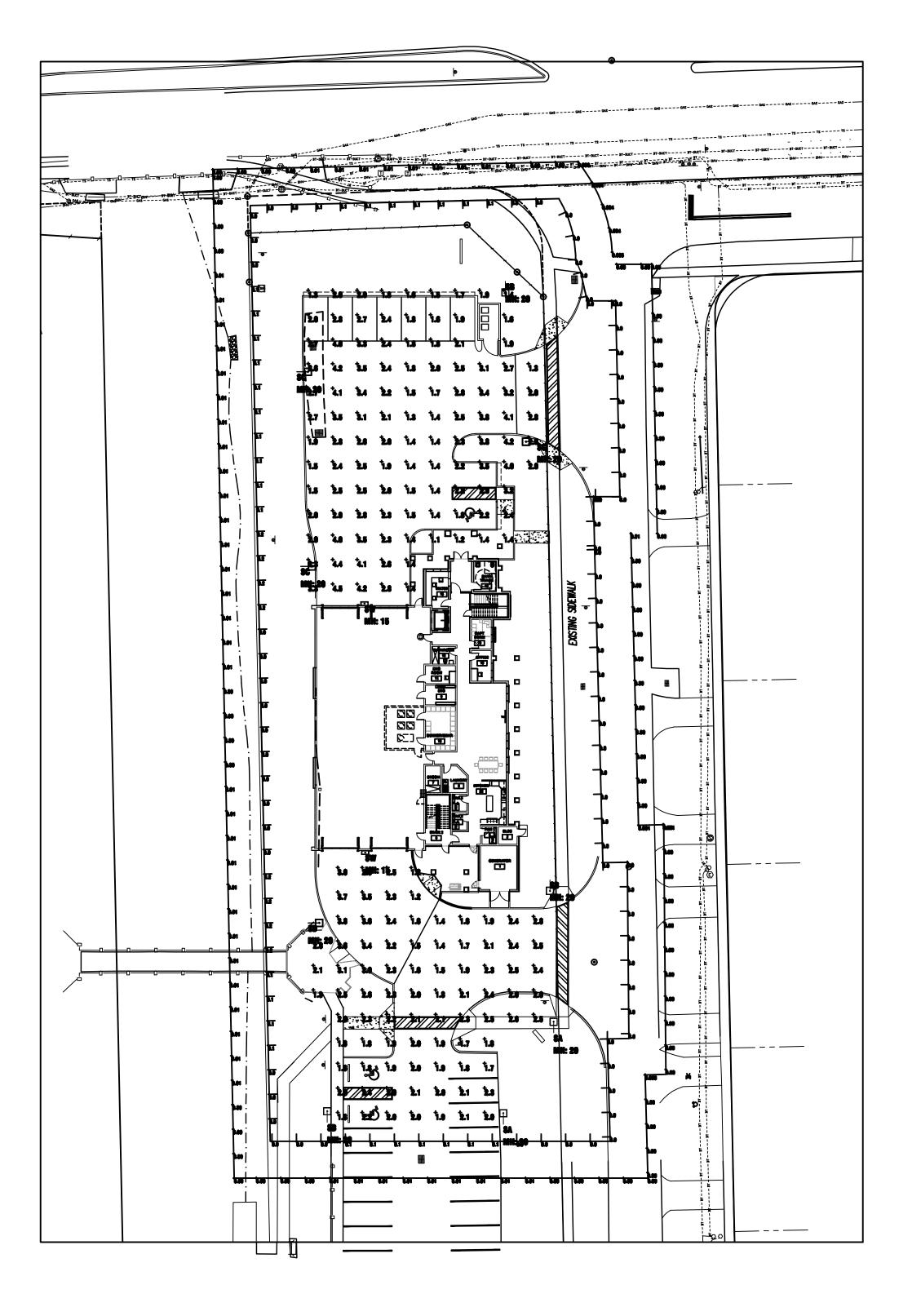
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ROPO

DRAWING TITLE: IRRIGATION **SPECIFICATIONS**

> DRAWN CHECKED DATE 4-23-14 SCALE AS NOTED PROJECT NO. 1220B SHEET:





uminaliro Sabadalis											
Project: PIRE STATION #90 NW 43 AVE AND COCCUUT CREEK PARKWAY GOCCUUT CREEK, FL. LIED 508 REV 1 3-19-4014											
Symbol	•	Lahel	Besoription	Lon. Lonnon	w	Lom. Watte	Total Watts	LCS(%Lum)-UL	restarem an		
+	2	8 A	PHILIPS GARBOO P21-LGL-186LA-GW POLE MOUNT: 29'-0" APG	3444	1.000	130	200	••	0.0		
+	8	8	PHILIPS GARBOO P21-LGB-130LA-GW POLE HOURT: 29'-0" APC	3444	1.000	130	300	w	0.0		
—	8	86	PHILIPS GARBOO PER-BLO-CIGLA-HIN-SHIRS POLE MOUNT: 29'-0" APR	9063	1.000	210	630	u	0.0		
—	1	30	PHILIPS GARBOO PER-BLO-170LA-HIN-SHIES POLE MOUNT: 29'-0" APR	8700	1.000	170	170	u	••		
•	2	sw	PHILIPS GARBOO 121-4-16LA-HW WALL MOUNT: 19 - 6" APG	1968	1.000	18	36	••	0.0		

niales Commeny	deller Summery						LPO Area Summary			
oot: PIRE STATION #00 HW 42 AVE AME D 886 REV 1 3-10-0014	COCCUUT	PAREK PARE	BURY 0000	MAT CREEK, I			Project: PINE STATION #50 HW 45 AVE AND GOOD LIED 500 DEV 1 3-10-4014	HUT CREEK	PARKWAY COCONST	CREEK, FL
•	Ang	Max	Mh	Angilita	May/Mh		Label	Area	Total Walls	LPD
TU PARIDUE	2.43	4.5	1.1	2.21	4.00		LPBAnos	100127	1486	0.014
TH PARKING	2.21	3.8	1.2	1.84	8.17	'				!
)	B.A.	0.200	HA.	HA.	BA.					

CPZ ARCHITECTS, INC.

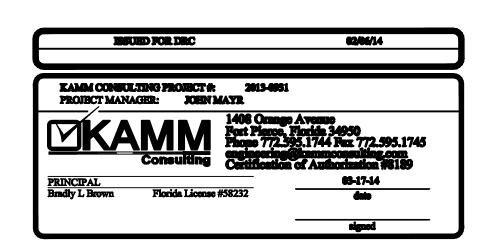
PROPOSED NEW FIRE STATION 50 NW 43 AVE.

NO. REVISION DATE
SITE PLAN
SUBMITTAL 2-7-14

CPZ Site Wrist in Practice (85) An absences

DRAWING TITLE:
LEED SITE
PHOTOMETRIC PLAN





DRAWN –

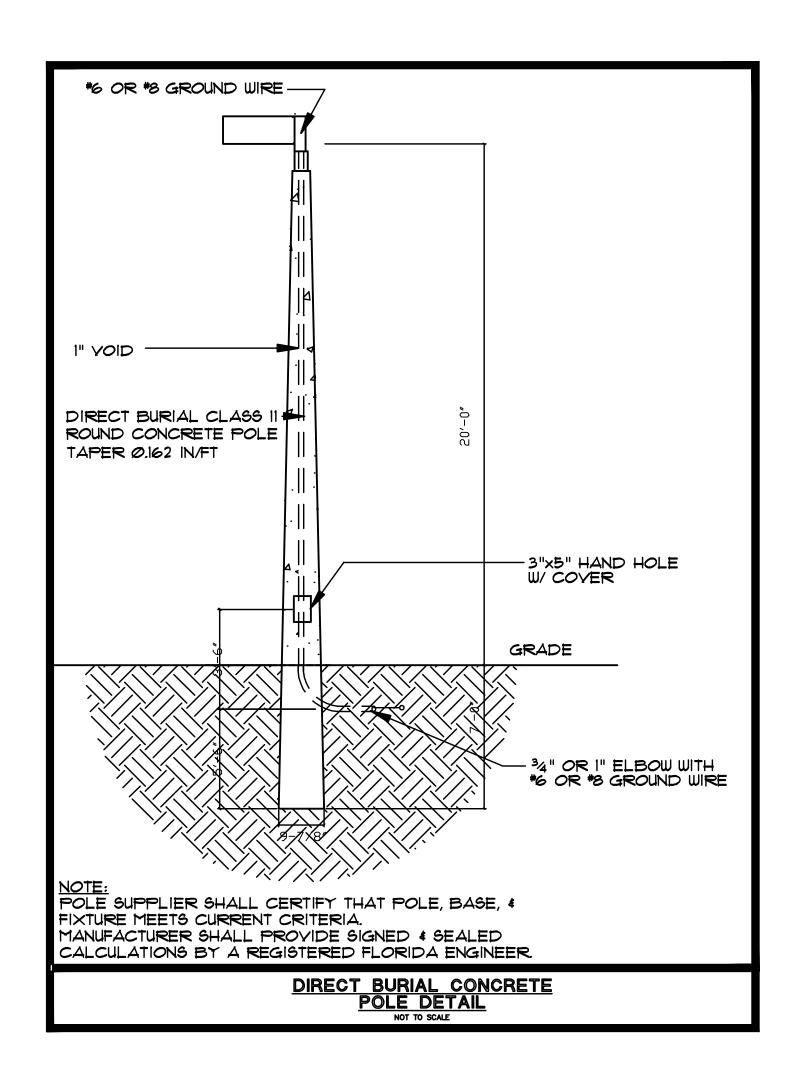
CHECKED CPZ

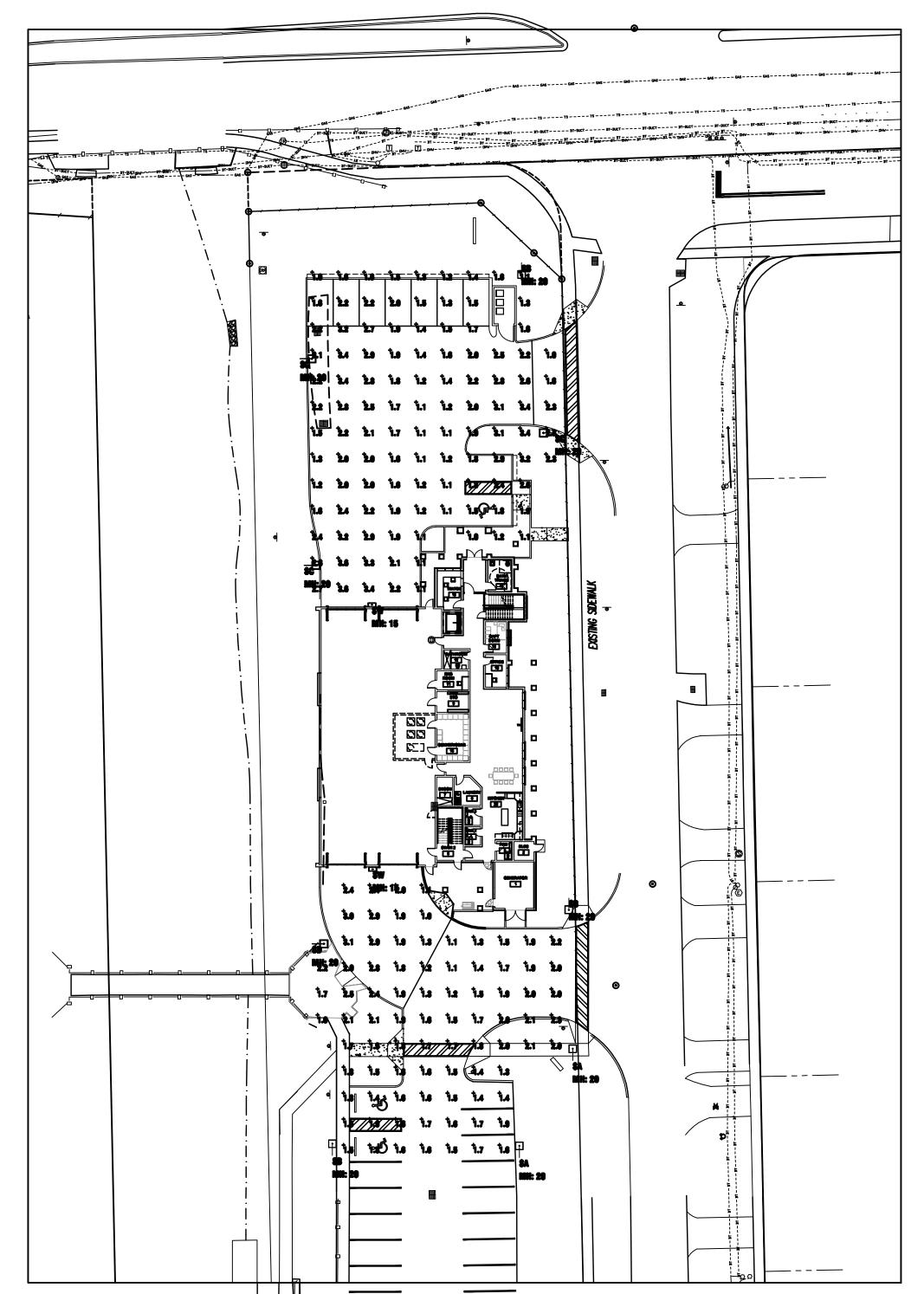
DATE –

SCALE AS NOTED

PROJECT NO. 1220B

SHEET:





Lembraire Schodule										
Project: PIRE STATION #50 HW 42 AVE AND GOCCHUT CREEK PARKINAY COCCHUT CREEK, FL. COCE REV 1 2-19-2014										
Cymbol	*	Label	Description		Lam. Lamens	ш	199	w	Lom. Watte	Total Walls
+	2	av .	PHILLIPS GARDOO P21-LGL-126LA-GW	POLE MOUNT: 20 - 0" APG	3444	0.900	0.000	0.510	130	200
+	3	*	PHILIPS GARDOO P21-LGR-130LA-GW	POLE MOUNT: 20 - 0" APG	3444	0.000	0.000	0.510	130	300
1	3	sc	PHILLIPS GARBOO PER-BLO-EIGLA-HW-EHHIS	POLE MOUNT: 20 - 0" APG	9043	0.000	0.000	0.010	210	636
1	1	30	PHILLIPS GARDOO PER-BLO-17GLA-HW-SHIRS	POLE MOUNT: 20 - 0" APC	8700	0.000	0.000	0.510	170	170
7	2	\$W	PHILIPS BARDGO 121-4-16LA-HW	WALL MOUNT: 19 - 6" AFC	1246	0.000	0.000	0.010	18	35

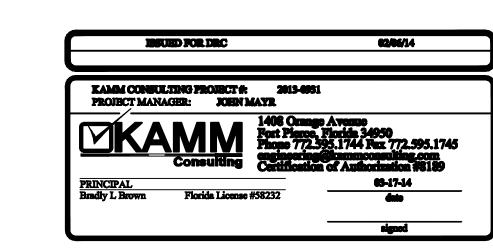
						_						
Calculation Summary							LPO Area Summery					
Project: FIRE STATION #50 HW 43 AVE AND GOODNUT CRIMEN PARKINKY GOODNUT CRIMEN, FL. GOOD REV 1 3-10-4014							Project: PIRE STATION #90 NW 43 AVE AND GOODS	JT CREEK PA	MINNAY GEOGRAPH OF	MEK, PL		
Label	Any	Max	Min	AngAllin	Max/Min		Label	Area	Total Walls	u•		
HORTH PARISHS	1.67	3.6	1.0	1.97	3.00		LPBArea	100127	1486	0.014		
SOUTH PARKING	1.79	8.1	1.0	1.79	3.10							

CPZ ARCHITECTS, INC.

PROPOSED NEW FIRE STATION 50 NW 43 AVE.

DRAWING TITLE:
SITE
PHOTOMETRIC PLAN

SITE PHOTOMETRIC PLAN NORTH



DRAWN CHECKED CPZ
DATE SCALE AS NOTED
PROJECT NO. 1220B
SHEET:

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