



CITY OF FORT LAUDERDALE

PROJECT #11419 STORMWATER IMPROVEMENTS RIVER OAKS STORMWATER PRESERVE

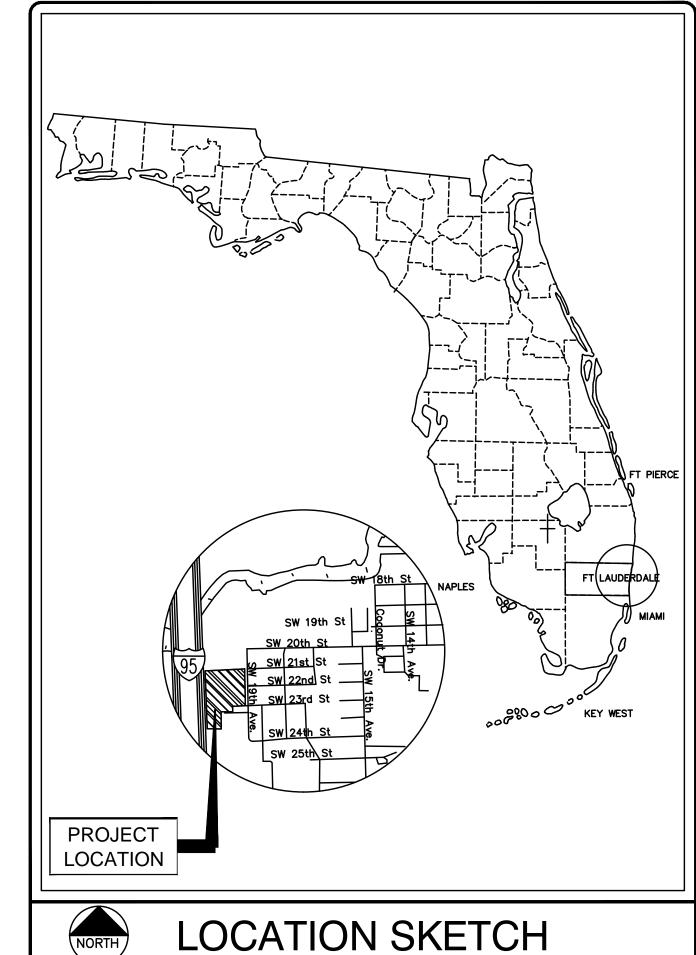
FORT LAUDERDALE, FLORIDA



714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782,1908 w.thechappellgroup.com

• Environmental Consultants • Marina & Wetland Permitting • Mitigation Design & Monitoring • T&E Species Surveys

engineers, Inc.



RIVER OAKS STORMWATER PRESERVE

PROJECT #11419

CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT **ENGINEERING & ARCHITECTURE**

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

FORT LAUDERDALE CITY COMMISSION

JOHN P. "JACK" SEILER MAYOR BRUCE G. ROBERTS COMMISSIONER - DISTRICT COMMISSIONER - DISTRICT II DEAN J. TRANTALIS ROBERT L. McKINZIE COMMISSIONER - DISTRICT III ROMNEY ROGERS COMMISSIONER - DISTRICT IV

PROJECT MANAGER JOB TITLE PHONE NO. PATRICK J. GIBNEY, P.E. VICE PRESIDENT ENGINEERING 954-739-6400

DATE: 01/10/2019 CAD FILE: 11419—COVER

DRAWING FILE No.: 4-135-81

BID SET

Exhibit 3F - Part 6 of 6 p. 624
Page 1 of 46

Bid 12242-493

- 2. REFER TO SPECIFICATION SECTION 01001 AND 01520 FOR DETAILED REQUIREMENTS FOR SEQUENCE OF CONSTRUCTION AND CONSTRUCTION CONSTRAINTS.
- 3. SITE INFORMATION HAS BEEN PROVIDED BY SITE SURVEY PREPARED CRAVEN THOMPSON & ASSOCIATES, INC.
- 4. HORIZONTAL CONTROL IS REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83). VERTICAL CONTROL IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- RECORD DRAWINGS USED FOR EXISTING FEATURES: XXXXX. RECORD DRAWINGS MAY BE OBTAINED FROM THE OWNER UPON REQUEST.
- 6. CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND DIMENSIONS WHERE NEW WORK WILL MATCH EXISTING. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO THE COMMENCEMENT OF WORK.
- 7. CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FROM THE APPROPRIATE AUTHORITIES, DEPARTMENTS, AND/OR AGENCIES HAVING JURISDICTION PRIOR TO COMMENCING WORK.
- 8. ALL PRACTICAL AND NECESSARY EFFORTS SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL AND/OR DAMAGE.
- 9. THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE INFORMATION IS NOT GUARANTEED. THEREFORE THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- 10. UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE TO THEM. THE CONTRACTOR SHALL CONTACT SUNSHINE 811 AT PHONE NUMBER 811 OR 1-800-432-4770 TO REQUEST UNDERGROUND UTILITY LOCATION MARK-OUT AT LEAST TWO (2) WORKING DAYS BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO BEGINNING EXCAVATION, INCLUDING SOIL DRILLING. THE CONTRACTOR SHALL ALSO CONTACT AND REQUEST UTILITY LOCATION MARK-OUT FROM BURIED UTILITY OWNERS WITH UTILITIES ON THE PROJECT SITE THAT ARE NOT PARTICIPANTS OF SUNSHINE 811.
- 11. CONTRACTOR SHALL REPLACE SURROUNDING LAND COVER AFFECTED BY CONSTRUCTION ACTIVITIES, INCLUDING, BUT NOT LIMITED TO, PAVERS, SIDEWALK, SOD, AND LANDSCAPING, TO EXISTING OR BETTER CONDITIONS.
- 12. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE TO EXISTING PAVEMENT, STRUCTURES, AND UTILITIES THAT ARE NOT INDICATED TO BE DEMOLISHED OR REMOVED. ANY DAMAGE TO EXISTING PAVEMENT, STRUCTURES, AND UTILITIES NOT INDICATED TO BE DEMOLISHED OR REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 13. WHERE PROPOSED WORK IS IN THE VICINITY OF UTILITY POLES, SUCH THAT SUPPORT OF THE POLE(S) WILL BE REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY OF THE WORK. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY FOR SUPPORT OF THE POLE.
- 14. DURING EXCAVATION AND PLACEMENT OF UTILITIES THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS AND SHALL SUBMIT TO THE ENGINEER FOR APPROVAL SHEET PILING, SHORING AND/OR BRACING DESIGNS AS MAY BE NECESSARY TO COMPLY WITH THESE REGULATIONS.
- 15. GROUNDWATER FROM ALL DEWATERING OPERATIONS SHALL BE DISCHARGED TO AN ENVIRONMENTALLY ACCEPTABLE LOCATION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE ENGINEER.
- 16. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS GENERATED DURING THE PROJECT OFF SITE AT A PROPERLY PERMITTED DISPOSAL FACILITY.
- 17. FOR REFERENCE MONUMENTS, SEE SURVEY DRAWING.
- 18. THE CONTRACTOR IS REQUIRED TO OBTAIN WRITTEN APPROVAL FROM THE ENGINEER FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
- 19. THE UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION. SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS, EXISTING RIGHT—OF—WAY OR APPROVED EASEMENT. THE CONTRACTOR SHALL NOT REMOVE OR DISTURB ANY TREES OR SHRUBS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 20. ALL RESTORATION SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION OVER THE RIGHT-OF-WAY WHERE THE PROJECT IS CONSTRUCTED.
- 21. ALL LOOP DETECTORS, COMMUNICATION CABLES AND CONDUITS, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, SHALL BE REPAIRED AND/OR REPLACED IN ACCORDANCE WITH BCTED AND FDOT REQUIREMENTS.
- 22. PIPING, FITTINGS, AND APPURTENANCES FOR DUCTILE IRON PIPE SHALL BE RESTRAINED JOINT WHERE SHOWN ON THE PLANS OR AS OTHERWISE SPECIFICALLY SPECIFIED IN THE CONTRACT DRAWINGS.
- 23. RESILIENT SEATED GATE VALVES WITH BEVEL TYPE GEAR SHALL BE INSTALLED IN HORIZONTAL ORIENTATION WHEN LESS THAN 7-FEET OF COVER FROM TOP OF PIPE IS PRESENT OR AS OTHERWISE SPECIFICALLY SPECIFIED IN THE CONTRACT DRAWINGS.

- 24. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW—OFF STRUCTURE WITHOUT FIRST OBTAINING PERMISSION AND A CONSTRUCTION METER FROM THE CITY OF FORT LAUDERDALE.
- 25. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING, MOVING AND RELOCATING OR REPLACING ALL WATER SERVICES OR SEWER LATERALS WHICH ARE ENCOUNTERED DURING EXCAVATION. THE CONTRACTOR SHALL SUBMIT A WRITTEN PLAN FOR WATER SERVICE AND WASTEWATER SERVICE DISRUPTION FOR APPROVAL 7 (SEVEN) CALENDAR DAYS PRIOR TO THE ANTICIPATED DISRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS 48 HOURS IN ADVANCE OF ANY WORK ON THEIR SERVICES. THIS WORK SHALL BE CONSIDERED INCIDENTAL.
- 26. THE CONTRACTOR MUST INFORM THE CITY AT LEAST 48—HOURS IN ADVANCE OF CONSTRUCTION, IN WRITING IF ANY CONFLICT IS DISCOVERED DURING POT HOLE OPERATIONS FOR CLARIFICATION BY THE CITY.
- 27. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITIES
 DEPARTMENT OF THE CITY OF FORT LAUDERDALE AT LEAST TWO (2) BUSINESS DAYS IN
 ADVANCE TO COORDINATE ANY ACTIVITY TO BE PERFORMED BY THE CITY'S UTILITIES
 DEPARTMENT.
- 28. CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE EXISTING RIGHTS-OF-WAY.
- 29. ALL WORK WITHIN STATE DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH FDOT SPECIFICATIONS AND PERMIT REQUIREMENTS.
- 30. ALL WORK WITHIN BROWARD COUNTY RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH THE BROWARD COUNTY MINIMUM STANDARDS AND/OR REQUIREMENTS.
- 31. CONTRACTOR SHALL COMPLY WITH ALL LOCAL CITY, COUNTY AND STATE REGULATIONS PERTAINING TO THE CLOSING OF PUBLIC STREETS FOR USE OF TRAFFIC DURING CONSTRUCTION.
- 32. CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC (MOT) PLANS TO FDOT, CITY OF FORT LAUDERDALE, BROWARD COUNTY AS REQUIRED FOR WORK TO BE DONE WITHIN THEIR R/W PRIOR TO COMMENCEMENT OF WORK. SPECIFIC AGENCY MOT REQUIREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 33. STATIONS SHOWN ON THE DRAWINGS ARE BASED ON THE ESTABLISHED BASELINE AND SHALL NOT BE CONSIDERED AS DISTANCES OR AS A MEASURE OF THE LINEAR FOOTAGE OF PIPE TO BE INSTALLED.
- 34. THE GENERAL INTENT IS TO PROVIDE SEWER SERVICE LATERALS FOR EACH PROPERTY. ALL LATERAL LOCATIONS SHALL BE FIELD ADJUSTED.
- 35. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAY OR WALKWAY SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- 36. TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS SHALL NOT BE LEFT OPEN DURING NIGHT TIME HOURS WITHOUT ADEQUATE PROTECTION.
- 37. CONTRACTOR SHALL PROMPTLY REPAIR AND RESTORE EXISTING PAVEMENT, SIDEWALKS, CURBS, DRIVEWAYS, PIPES, RESIDENTIAL AND COMMERCIAL SPRINKLER LINES, CONDUIT, CABLES, ETC. AND LANDSCAPE AREAS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- 38. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AS REQUIRED BY AGENCIES HAVING JURISDICTION OVER THE PROJECT AND/OR WHEN REQUIRED FOR PUBLIC SAFETY.
- 39. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF WORK, FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- 40. LOCATION OF AIR RELEASE VALVES MAY BE FIELD ADJUSTED BY THE ENGINEER OR CITY OF FORT LAUDERDALE AS NECESSARY.
- 41. CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITY CASTINGS INCLUDING VALVE BOXES, MANHOLES, HAND HOLES, PULL BOXES, INLETS AND SIMILAR STRUCTURES IN CONSTRUCTION AREA TO BE OVERLAYED WITH ASPHALT.
- 42. EXISTING TRAFFIC SIGNS SHALL BE RESET UPON COMPLETION PER BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS. COST SHALL BE CONSIDERED INCIDENTAL. CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED TRAFFIC SIGNAL LOOPS PER BROWARD COUNTY TRAFFIC ENGINEERING SPECIFICATIONS; COST SHALL BE INCIDENTAL.
- 43. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT AND PAVEMENT MARKINGS/SIGNAGE TO ORIGINAL PRE—CONSTRUCTION CONDITION OR AS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. THIS WORK SHALL BE CONSIDERED INCIDENTAL.
- 44. ALL CONSTRUCTION WITHIN FDOT R/W MUST CONFORM WITH FDOT SPECIFICATIONS, STANDARDS, AND PERMIT REQUIREMENTS. NO WORK SHALL COMMENCE WITHIN FDOT R/W'S WITHOUT AN FDOT PERMIT. FULL LANE WIDTH RESTORATION TO MATCH EXISTING PAVEMENT SECTION IS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS FOR PROPOSED WORK WITHIN FDOT R/W.

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WRITING CRAVEN THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

THE COMPAND ROAD THE CO

Environmental Consultants
Marina & Wetland
Permitting

Mitigation Design &
 Monitoring
 T&E Species Surveys

• Phase I ESAs



ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)





10/30/2018 SCALE: VERT 1"=2' HOR 1"=40'

DESIGNED BY: SCALE.
W.R./M.N. VERT
CHECKED BY: HOR
A.G.

RT LAUDERDALE

ORKS DEPARTMENT

VG & ARCHITECTURE

PUBLIC WORKS DEPA

REVISIONS
BY CHK'D DESCRIPTION

1419
PRESERVE
TES

SHEET NO.

G-02

_

#

TOTAL: 4
CAD FILE:
11419-004-SITE
DRAWING FILE NO.

4-135-81

PLOT DATE: 1/16/2019 3:10 PM BY: DCHIN XREFs=

10/22/2019 4:18 PM

File = R:\Engineering\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419-SPEC Saved by DChin Save date = 15AM #190 Exhibit 3F - Part

Bid 12242-493

11419SURV RAWING FILE NO. 4-135-81

CAD FILE:

GENERAL NOTES:

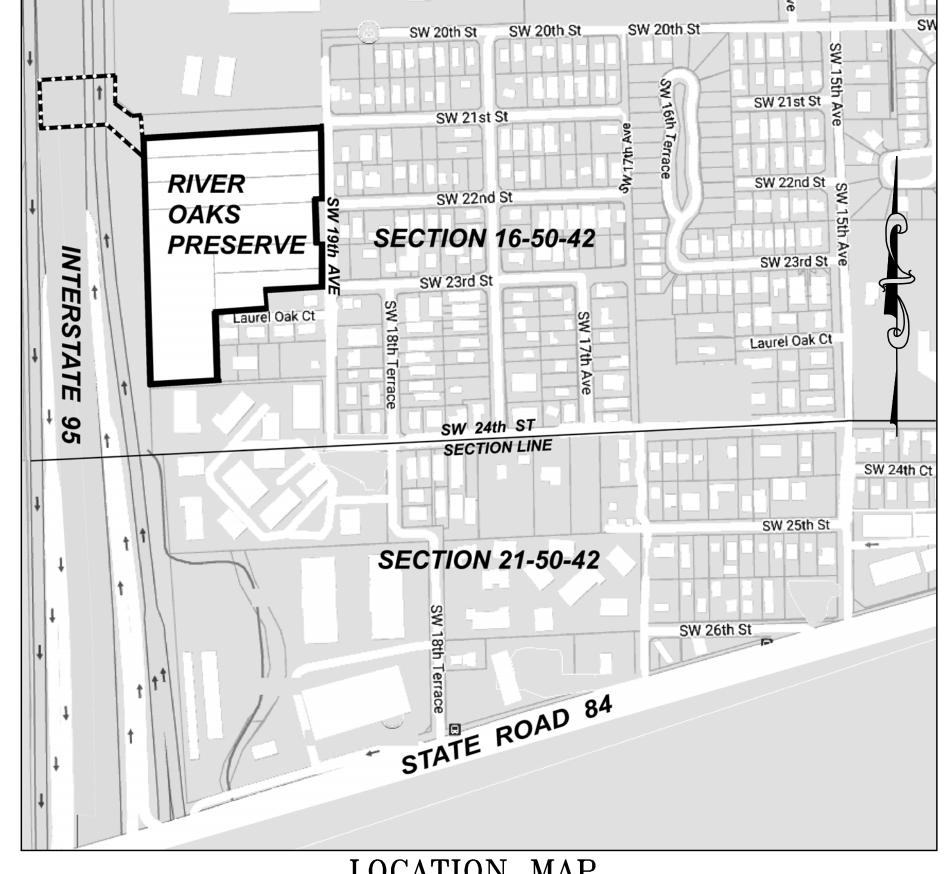
- 1. THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE CITY OF FORT LAUDERDALE, FLORIDA, AND HAZEN AND SAWYER, INC. FOR THE EXPRESS PURPOSE STATED HEREON AS RELATED TO OUR CONTRACT.
- 2. THE PURPOSE OF THIS SURVEY WAS TO ESTABLISH HORIZONTAL AND VERTICAL CONTROL AND COLLECT ABOVE GROUND AND VISIBLE IMPROVEMENTS WITHIN AND ALONG THE RIGHTS-OF-WAYS DELINEATED HEREON WITHIN THE PROJECT LIMITS. THE IMPROVEMENTS ALSO INCLUDED INFORMATION INSIDE OF THE STORM WATER AND SANITARY SEWER STRUCTURES, IF ACCESSIBLE, SUCH AS, INVERTS, WEIRS, PIPE SIZES AND MATERIALS, AND BOTTOM OF STRUCTURES.
- 3. THE EXPECTED USE OF THIS SURVEY AND MAP IS FOR COMMERCIAL/HIGH RISK, THEREFORE THIS SURVEY IS CLASSIFIED AS COMMERCIAL/HIGH RISK LINEAR AND EXCEEDS THE MINIMUM RELATIVE DISTANCE ACCURACY OF 1 FOOT IN 10,000 FEET AS REQUIRED BY THE FLORIDA STANDARDS OF PRACTICE (5J-17, F.A.C.).
- 4. THE ELEVATIONS SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE BASED ON THE FOLLOWING BENCHMARKS:
 - (A) FLORIDA DEPARTMENT OF TRANSPORTATION STATE ROAD 84 BENCHMARK C4 ELEVATION = 5.276' (NAVD88) STAMPED 84-86-04-C4 FROM FDOT PROJECT NETWORK CONTROL SPECIFIC PURPOSE SURVEY - FINANCIAL PROJECT NO 228243-1-32-01.
 - (B) FLORIDA DEPARTMENT OF TRANSPORTATION STATE ROAD 84 BENCHMARK C6 ELEVATION = 6.573' (NAVD88) STAMPED 84-86-04-C6 FROM FDOT PROJECT NETWORK CONTROL SPECIFIC PURPOSE SURVEY - FINANCIAL PROJECT NO 228243-1-32-01.
- 5. THIS PROJECT WAS PERFORMED IN THE FIELD DURING THE MONTH OF OCTOBER, 2017 USING INFORMATION FROM A PREVIOUS SURVEYS UNDER CRAVEN THOMPSON & ASSOCIATES, INC (CTA) PROJECT NUMBER 16-0042-001-01 AND AN EXTENSIVE FIELD SURVEY OF THE SITE AND THE SURROUNDING ROADWAYS WITHIN THE FOLLOWING BROWARD COUNTY RECORDED PLATS:
 - A: PLAT BOOK 9, PAGE 46 "OSCEOLA PARK"
 - B: PLAT BOOK 22, PAGE 34 "OSBOURNE PARK"
 - C: PLAT BOOK 34, PAGE 32 "WOEHLKE SUBDIVISION"
 - D: PLAT BOOK 127, PAGE 33 "OSCEOLA PARK APARTMENTS" E: PLAT BOOK 155, PAGE 35 "THE R.B.F. PLAT"
 - F: PLAT BOOK 168, PAGE 42 "LAUDERDALE MARINE CENTER"

 - G: PLAT BOOK 175, PAGE 177 "GEORGIAN OAKS"
 - H: PLAT BOOK 176, PAGE 175 "LAUDERDALE MARINE CENTER PLAT NO II" I: PLAT BOOK 177, PAGE 78 "RIO COLONY"

10/22/2019 4:18 PM

- 6. THE COORDINATES SHOWN HEREON ARE RELATIVE TO STATE PLANE, FLORIDA EAST ZONE, NAD83 (90), UNITS U.S. SURVEY FEET, AND BASED ON REAL TIME KINEMATIC (RTK) GPS UTILIZING THE TRIMBLE STATE-WIDE VRS NETWORK, AND ADJUSTED TO A STATIC GPS CONTROL NETWORK CTA PERFORMED FOR THE CITY OF FORT LAUDERDALE IN 2016.
- SECTIONAL INFORMATION AND RIGHT-OF-WAY LINES SHOWN HEREON ARE BASED ON THE RECORDED PLATS AND FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY MAPS AND PROJECT CONTROL NETWORKS.
- 8. CTA FIELD BOOK REFERENCES: FIELD BOOK (FB) 2859, PAGES 44-79 & FB 2860 PAGES 19-39
- ALL PLATS SHOWN HEREON REFER TO RECORDED PLATS IN BROWARD COUNTY.
- 10. NO TITLE DOCUMENTS WERE SUPPLIED TO THE SURVEYOR FOR REVIEW.





LOCATION MAP

PORTION OF SECTION 16 & 21, TOWNSHIP 50 SOUTH, RANGE 42 EAST NOT TO SCALE

> **ANCHOR** BACK FLOW PREVENTER BOLLARD CATV PEDESTAL CATCH BASIN CONTROL LEGEND: ELECTRICAL PULL BOX FIRE HYDRANT IRON PIPE MAILBOX IRON ROD OUTFALL NAIL&TAB PLUG PERMANENT REFERENCE MONUMENT SANITARY CLEAN OUT **PKNAIL.SPIKE** SANITARY MANHOLE STEEL I-BEAM ABBREVIATION LEGEND: TELEPHONE PEDESTAL BROWARD COUNTY RECORDS WATER METER CORRUGATED METAL PIPE WATER VALVE FOUND WOOD POST HIGH DENSITY POLYETHYLENE WOOD LIGHT POLE INVERT ELEVATION WOOD TELEPHONE POLE MANHOLE PALM TREE P.B. PLAT BOOK SHADE TREE PGPAGE PINE TREE PERMANENT REFERENCE MONUMENT POLYVINYL CHLORIDE OVER HEAD WIRES RIM ELEVATION ——TOB—— TOP OF BANK RIGHT OF WAY TOE OF SLOPE

RIM ELEVATION

TREE

LEGEND:

LIMITED ACCESS R/W LINE

DESCRIPTION: PROVIDED BY CLIENT

PARCEL I:

A PORTION OF THE SOUTHWEST ONE-QUARTER (SW 1/4) OF SECTION 16, TOWNSHIP 50 SOUTH, RANGE 42 EAST, BROWARD COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE SOUTH 72.365 FEET OF THE FOLLOWING DESCRIBED PARCEL:

THAT PORTION OF THE WEST HALF OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER AND THE WEST ONE-HALF OF THE EAST ONE-HALF OF THE SOUTHWEST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SECTION 16, TOWNSHIP 50 SOUTH, RANGE 42 EAST, LYING NORTH OF A LINE WHICH IS 898.96 FEET NORTH OF AND PARALLEL TO THE SOUTH BOUNDARY OF SECTION 16, AND LYING SOUTH OF A LINE THAT IS 1123.70 FEET NORTH OF AND PARALLEL TO THE SAID SOUTH BOUNDS OF SAID SECTION 16, EXCEPTING THEREFROM THE RIGHT OF WAY OF SEABOARD AIR LINE RAILWAY; ALSO EXCEPTING THEREFROM THE WEST 210.00 FEET OF ABOVE PARCEL; ALSO EXCEPTING THEREFROM THE EAST 704.50 FEET OF THE SOUTH 80.00 FEET OF THE ABOVE DESCRIBED PARCEL. SAID LANDS SITUATE, LYING AND BEING IN BROWARD COUNTY, FLORIDA, LYING EAST OF THE EASTERLY RIGHT OF WAY LINE OF INTERSTATE 95.

PARCEL II.

THE EAST 704.50 FEET OF THE SOUTH 80 FEET OF THE PORTION OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE WEST 1/2 OF THE EAST 1/2 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 16, TOWNSHIP 50 SOUTH, RANGE 42 EAST, LYING NORTH OF A LINE WHICH IS 898.96 FEET NORTH OF AND PARALLEL TO THE SOUTH BOUNDARY OF SECTION 16, AND LYING SOUTH OF A LINE THAT IS 1123.70 FEET NORTH OF AND PARALLEL TO THE SAID SOUTH BOUNDARY OF SAID SECTION 16;

AND ALSO

LESS AND EXCEPT THE LANDS LYING WITHIN THE BOUNDARIES OF INTERSTATE I-95.

SAID LANDS SITUATE, LYING AND BEING IN BROWARD COUNTY, FLORIDA.

PARCEL III:

THE NORTH 90.00 FEET OF THE FOLLOWING TRACT:

THAT PORTION OF THE WEST 1/4 OF THE SOUTHWEST 1/4 AND THE WEST 1/2 OF THE EAST 1/2 OF THE SOUTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 16, TOWNSHIP 50 SOUTH, RANGE 42 EAST, LYING NORTH OF A LINE WHICH IS 674.31 FEET NORTH OF AND PARALLEL TO THE SOUTH BOUNDARY OF SECTION 16, AND LYING SOUTH OF A LINE WHICH IS 898.96 FEET NORTH OF AND PARALLEL TO THE SAID SOUTH BOUNDARY OF SAID SECTION 16, EXCEPTING THEREFROM THAT PART THEREOF LYING WEST OF THE EAST RIGHT OF WAY LINE OF INTERSTATE HIGHWAY 95.

PARCEL IV:

PARCEL "A" OF THE R.B.F. PLAT, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 155, PAGE 35 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

PARCEL V:

THE EAST 375 FEET OF THE FOLLOWING DESCRIBED PROPERTY:

THE WEST 1/2 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE WEST 1/2 OF THE EAST 1/2 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 16, TOWNSHIP 50 SOUTH, RANGE 42 EAST, LYING NORTH OF A LINE WHICH IS 449.54 FEET NORTH OF THE PARALLEL TO THE SOUTH BOUNDARY OF SECTION 16. AND LYING SOUTH OF A LINE WHICH IS 674.31 FEET NORTH OF AND PARALLEL TO THE SOUTH BOUNDARY OF SAID SECTION 16, EXCEPTING THEREFROM THE SOUTH 139 FEET THEREOF.

PARCEL VI:

THE EAST 375 FEET OF THE NORTH 139 FEET OF THE SOUTH 588.54 FEET OF THE WEST 4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, LESS THE EAST 200 FEET OF THE SOUTH 75 FEET, SECTION 16, TOWNSHIP 50 SOUTH, RANGE 42 EAST, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

SAID LANDS LYING AND BEING IN THE CITY OF FORT LAUDERDALE, BROWARD COUNTY, FLORIDA.

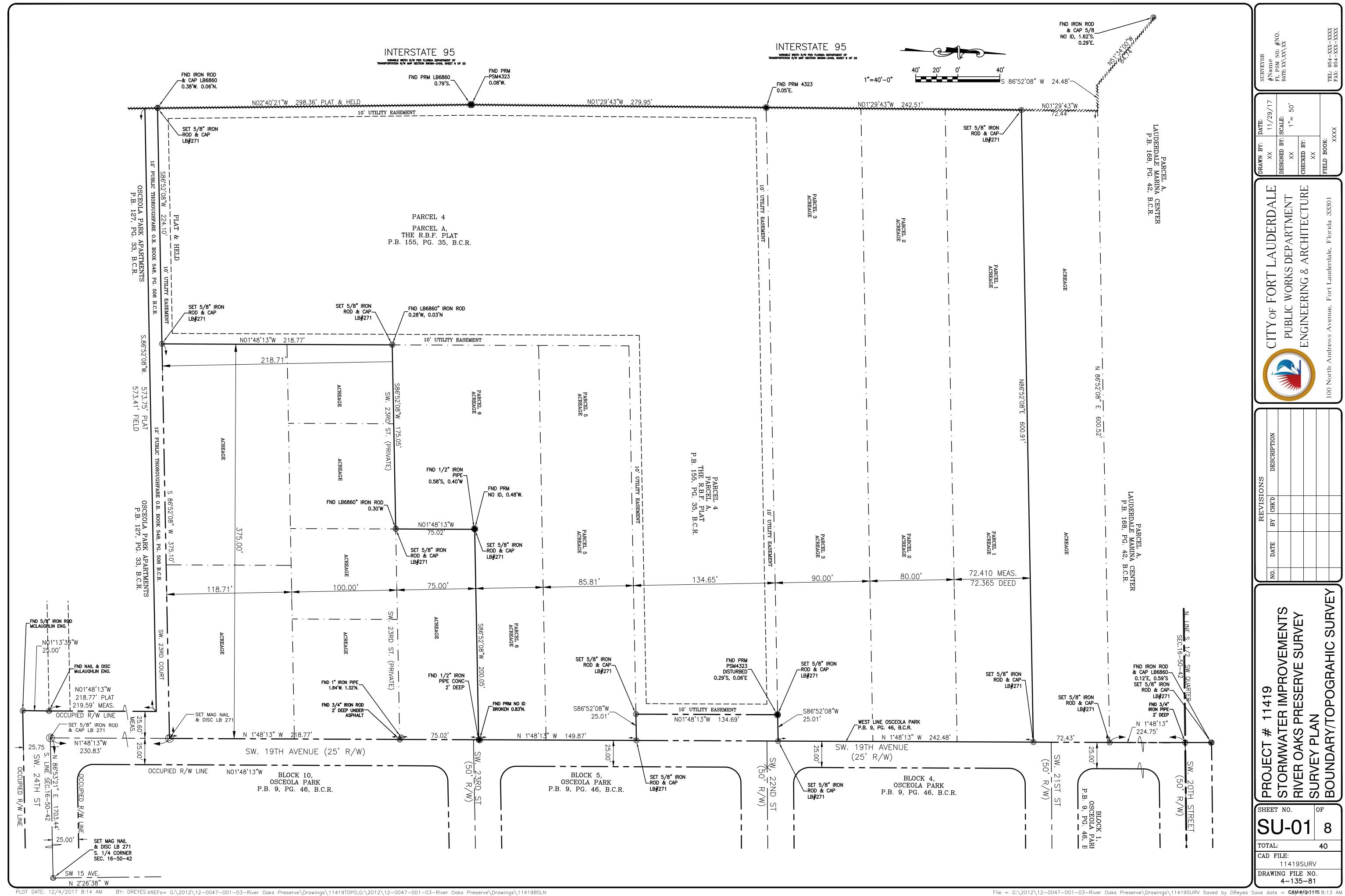
SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT THIS TOPOGRAPHIC SURVEY AND OTHER PERTINENT DATA SHOWN HEREON, CONFORMS TO THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN THE STATE OF FLORIDA, AS OUTLINED IN RULES 5J-17, (FLORIDA ADMINISTRATIVE CODE) AS ADOPTED BY THE DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN SEPTEMBER, 1981, AS AMENDED, PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES AND THAT SAID SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS PREPARED UNDER MY DIRECTION.

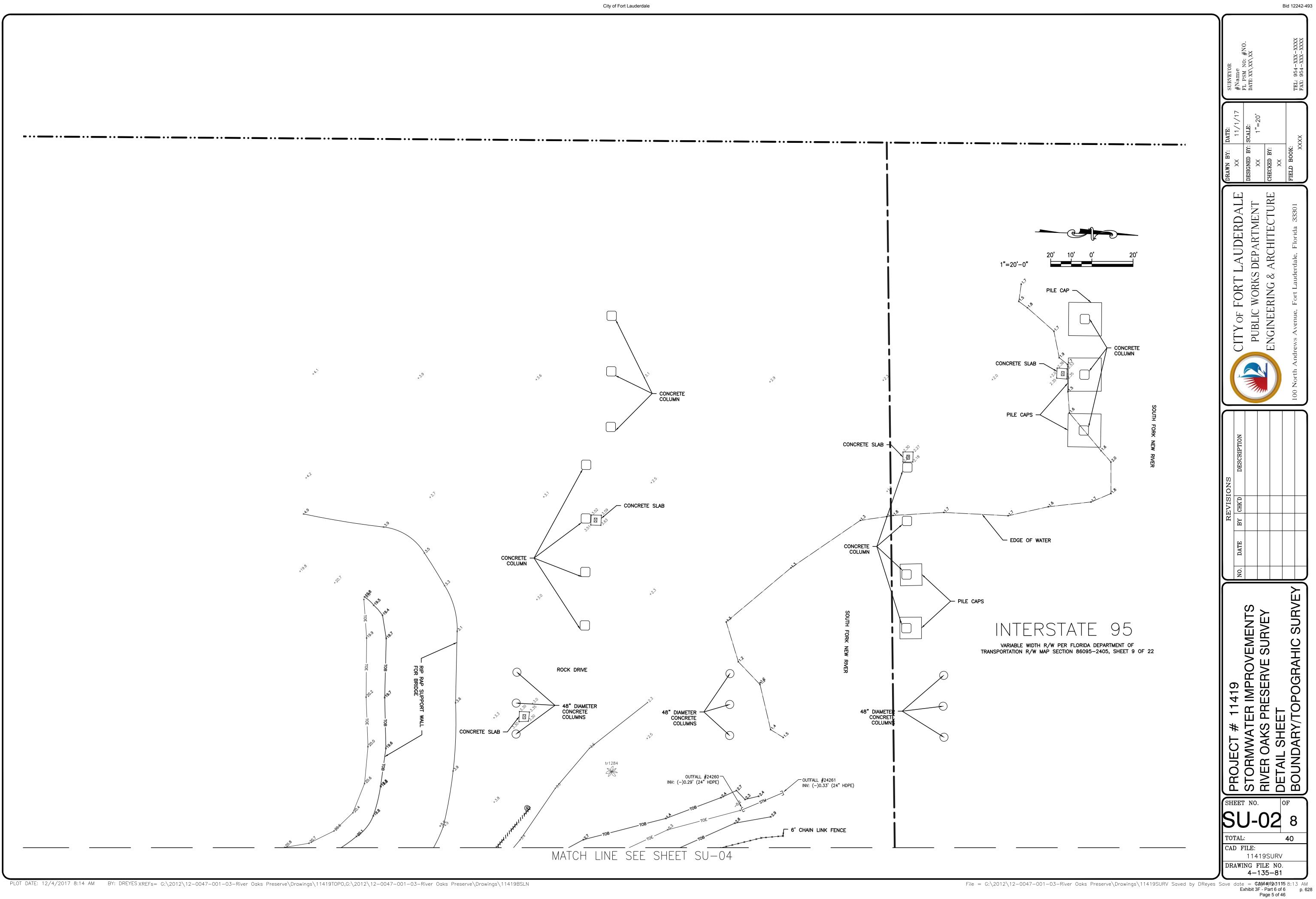
LAST DATE OF FIELD WORK: 11/21/2017

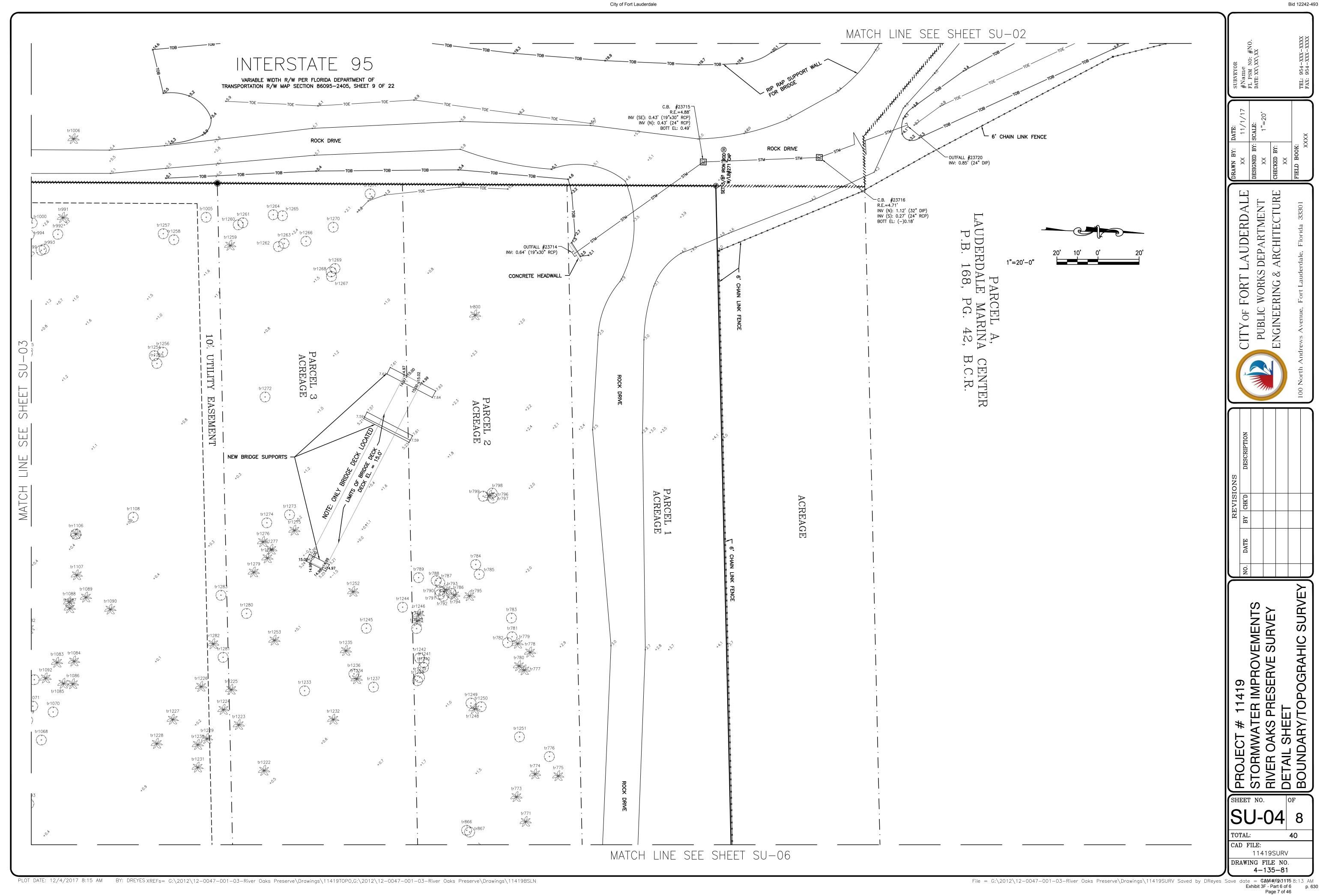
RICHARD D. PRYCE., FOR THE FIRM FLORIDA PROFESSIONAL SURVEYOR MAPPER NO 4038 CRAVEN THOMPSON & ASSOCIATES, INC. LICENSED BUSINESS NUMBER NO. 271

THIS SURVEY MAP AND REPORT OR COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OR A UNIQUE ELECTRONIC SIGNATURE OF A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER UNDER CHAPTER RULES 5J-17 FLORIDA ADMINISTRATIVE



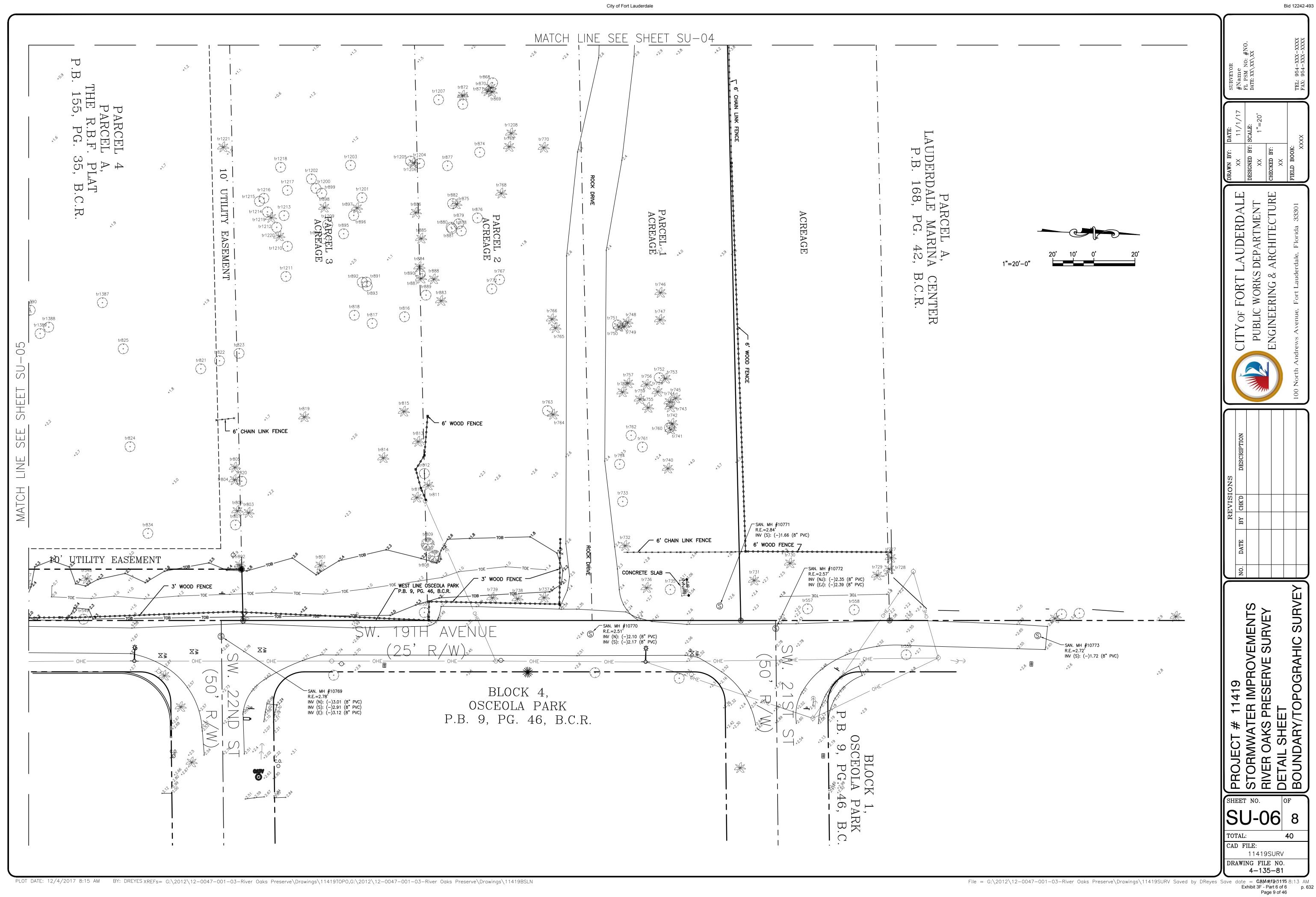
Bid 12242-493





City of Fort Lauderdale Bid 12242-493 BLIC REAGE th 1195196 tr1128 ACREAGE THOROUGHFARE 10' EASEMENT 0.R. OSCEOLA PARK P.B. 127, PG. tr1135 tr1349

tr1350 tr1134 B00K FENCE CORNER -4.2'S, 0.1'E WORKS DEPARTMENT RING & ARCHITECTURE CITY OF FORT LAUDERDALE PARCEL 5 ACREAGE 548, FENCE CORNER - 1.2'S, 7.3'E - FENCE CORNER 2.5'N, 0.7'E PG. APARTMENTS . 33, B.C.R. ACREAGE tr1318 tr1317 tr1319 PUBLIC tr1315 tr1370 369 * tr1386 tr1374 SHEET tr859 ACREAGE ACREAGE ACREAGE MATCH tr850 C.B. #10763 ¬ R.E.=1.44' ¬ INV (E): (-)1.04 (12" RCP) BOTT EL: (-)1.02 FENCE CORNER — 4.8'N, 1.4'W ARY/TOPOGRAHIC SURVEY ER IMPROVEMENTS PRESERVE SURVEY *γ*, Σ**≷** BLOCK 5, OSCEOLA PARK R.E.=1.69' INV (N): (-)5.26 (8" PVC) INV (S): (-)5.38 (8" PVC) ─ SAN. MH #10768 R.E.=2.57' INV (N): (-)2.33 (8" PVC) BLOCK 10, C.B. #10764 R.E.=1.33' SAN. MH #10767 -R.E.=2.58' INV (E): (-)2.35 (8" PVC) INV (N): (-)1.18 (12" RCP)
INV (S): (-)1.22 (12" RCP)
BOTT EL: (-)1.12 SAN. MH #10766 --R.E.=2.50' INV (S): (-)4.50 (8" PVC) R.E.=1.55 INV (W): (-)1.16 (12" RCP) INV (S): (-)1.17 (12" RCP) BOTT EL: (-)1.10 OSCEOLA PARK P.B. 9, PG. 46, B.C.R. P.B. 9, PG. 46, B.C.R. PROJECTORNA STORNA RIVER OF DETAIL SECUNDA CAD FILE: 11419SURV DRAWING FILE NO. 4-135-81 File = G:\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419SURV Saved by DReyes Save date = CAM#191175 8:13 AM
Exhibit 3F - Part 6 of 6 p. 63
Page 8 of 46 PLOT DATE: 12/4/2017 8:15 AM BY: DREYES XREFs = G:\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419TOPO,G:\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419BSLN



	DESCRIPTION			
SNO	DE			
REVISIONS	ву снк'р			
	BY			
	DATE			
	NO.			

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

PROJECT # 11419 STORMWATER IMPROVEMENTS
RIVER OAKS PRESERVE SURVEY
SOUNDARY/ OF CARAFIC SORVEY

tr543	30" OAK	tr791	4" BISCHOFFIA	tr944	20" MAHOGANY	tr873	40" STRANGLER FIG	tr1247	15" ROYAL PALM BH=38'	tr1035	10" ROYAL PALM BH=20'	tr1109 12" ROYAL PALM BH=40'	tr118	8 8" BISCHOFFIA	tr1376	12" SEA GRAPE
tr544	30" OAK	tr792	7" BISCHOFFIA	tr945	30" STRANGLER FIG	tr874	16" OAK	tr1248	15" ROYAL PALM BH=40'	tr1036	8" ROYAL PALM BH=20'	tr1110 8* POND APPLE	tr118	9 8* BISCHOFFIA	tr1377	8" ROYAL PALM BH=25'
				┨ ├──				┥ ├──								
	12" OAK	tr793	15" ROYAL PALM BH=38'	tr946	7* ACACIA (EAR LEAF)	tr875	16" ROYAL PALM BH=37'	tr1249		tr1037	15" ROYAL PALM BH=30'	tr1111 12" POND APPLE	tr1190		-	12" ROYAL PALM BH=35'
tr546	12" SABAL PALM BH=25'	tr794	11" ROYAL PALM BH=29'	tr947	7" ACACIA (EAR LEAF)	tr877	5" ROYAL POINCIANA	tr1250	10" BISCHOFFIA	tr1038	18" ROYAL PALM BH=30'	tr1112 8" ROYAL PALM BH=12'	tr119	1 6" POND APPLE	tr1379	12" CHINESE FAN PALM BH=35'
tr547	11" SABAL PALM BH=25'	tr795	14" ROYAL PALM BH=33'	tr948	10" SABAL PALM BH=22'	tr876	7" BISCHOFFIA	tr1251	12" BISCHOFFIA	tr1039	6" POND APPLE	tr1113 18" POND APPLE	tr119:	2 6" POND APPLE	tr1380	10" CHINESE FAN PALM BH=30'
tr548	11" SABAL PALM BH=25'	tr796	16" ROYAL PALM BH=27'	tr949	10" SABAL PALM BH=22'	tr878	18" BISCHOFFIA	tr966	10" MAHOGANY	tr1040	36" SEA GRAPE	tr1114 8" POND APPLE	tr119	3 15" POND APPLE	tr1381	12" CHINESE FAN PALM BH=35'
tr549	122" UNKNOWN	tr797	7" BISCHOFFIA	tr950	12" SABAL PALM BH=15'	tr879	11" BISCHOFFIA	tr967	18" SABAL PALM BH=14'	tr1041	15" SEA GRAPE	tr1115 8" BALD CYPRESS	tr119	4 10" POND APPLE	tr1382	12" CHINESE FAN PALM BH=35'
	7" OAK	tr798	10" BISCHOFFIA	tr951	5" MAHOGANY	tr880	4" BISCHOFFIA	tr968	6" STRANGLER FIG	tr1042	12" OAK	tr1116 15" ROYAL PALM BH=45'	tr119		tr1383	12" CHINESE FAN PALM BH=30'
				┨ ├──		4.004		+	10" ACACIA (EAR LEAF)						1	
	8" PINK TABEBUIA	tr799	7" BISCHOFFIA	tr952	5" MAHOGANY	troot	7" BISCHOFFIA	tr969	<u> </u>	tr1043	12" OAK	tr1117 12" BALD CYPRESS	tr119		tr1384	8" CHINESE FAN PALM BH=20'
tr558	3" PINK TABEBUIA	tr800	14" SABAL PALM BH=12'	tr953	4" MAHOGANY	tr882	7" BISCHOFFIA	tr970	18" SABAL PALM BH=5'	tr1044	18" OAK	tr1118 18" ROYAL PALM BH=40'	tr119	7 12" BISCHOFFIA	tr1385	8" CHINESE FAN PALM BH=30'
tr727	7" ROYAL PALM BH=11'	tr801	14" ROYAL PALM BH=35'	tr954	20" SAW PALMETTO PALM BH=10'	tr883	3" ARECA BAMBOO PALM BH=17'	tr971	12" SABAL PALM BH=26'	tr1045	12" ROYAL PALM BH=45'	tr1119 15" POND APPLE	tr1198	8 8" BISCHOFFIA	tr1386	12" POND APPLE
tr728	10" COCONUT PALM BH=8'	tr802	18" ROYAL PALM BH=37'	tr955	20" SAW PALMETTO PALM BH=10'	tr884	3" ARECA BAMBOO PALM BH=17'	tr972	12" SABAL PALM BH=20'	tr1046	10" BALD CYPRESS	tr1120 18" ROYAL PALM BH=30'	tr119	9 12" ROYAL PALM BH=15'	tr1387	6" CARROTWOOD
tr729	10" COCONUT PALM BH=19'	tr803	10" ROYAL PALM BH=18'	tr956	15" OAK	tr885	3" ARECA BAMBOO PALM BH=17'	tr973	18" SABAL PALM BH=8'	tr1047	8" POND APPLE	tr1121 20" ROYAL PALM BH=40'	tr130	0 18" ROYAL PALM BH=45'	tr1388	12" BISCHOFFIA
	10" SABAL PALM BH=15'	tr804	16" ROYAL PALM BH=31'	tr957	8" CARROTWOOD	tr886	3" ARECA BAMBOO PALM BH=17'	tr974	18" SABAL PALM BH=8'	tr1048	8" SABAL PALM BH=6'	tr1122 8* POND APPLE	tr130		· -	8" BISCHOFFIA
		tr805		+ +		tr887		tr975		tr1049			-		-	24" BISCHOFFIA
	19* PALM BH=15'		15" SABAL PALM BH=6'	tr958	18" SAW PALMETTO PALM BH=3'	troo7	14" SABAL PALM BH=28'				8" SABAL PALM BH=6"	tr1123 8" POND APPLE	tr131		 	
	19" PALM BH=12'	tr820	24" OAK	tr959	12" MAHOGANY	tr888	11" SABAL PALM BH=25'	tr976	30" STRANGLER FIG		18" ROYAL PALM BH=45'	tr1124 8" POND APPLE	tr131		tr1391	4" ROYAL PALM BH=8'
tr733	18" OAK	tr806	14" SABAL PALM BH=9'	tr960	8" CARROTWOOD	tr889	20" BALD CYPRESS	tr977	84" STRANGLER FIG	tr1051	12" MAPLE	tr1125 6" POND APPLE	tr131	3 18" ROYAL PALM BH=45'	tr1392	4" PALM BH=8'
tr734	10" OAK	tr807	40" STRANGLER FIG	tr961	9" ACACIA (EAR LEAF)	tr890	12" BISCHOFFIA	tr978	12" ROYAL PALM BH=30'	tr1052	12" ROYAL PALM BH=40'	tr1126 6" POND APPLE	tr131	4 20" ROYAL PALM BH=40"	tr1393	12" ROYAL PALM BH=30'
tr735	15" OAK	tr808	12" MANGO	tr962	7" ACACIA (EAR LEAF)	tr891	8" BISCHOFFIA	tr979	18" SABAL PALM BH=5'	tr1053	12" ROYAL PALM BH=40'	tr1127 6" POND APPLE	tr131	5 12" BALD CYPRESS	tr1394	18" ROYAL PALM BH=45'
tr736	3" ARECA BAMBOO PALM BH=10'	tr809	12" MANGO	tr963	18" SABAL PALM BH=6'	tr892	8" BISCHOFFIA	tr980	60" STRANGLER FIG	tr1054	12" POND APPLE	tr1128 15" BISCHOFFIA	tr131	6 18" ROYAL PALM BH=45'	tr1395	20" ROYAL PALM BH=40"
	18" ROYAL PALM BH=40'	tr810	11" SABAL PALM BH=23'	tr964	8" ACACIA (EAR LEAF)	tr893	6" BISCHOFFIA	tr981	18" STRANGLER FIG	tr1055	8" POND APPLE	tr1129 12" ROYAL PALM BH=40'	tr131		· -	8" WILLOW
				┨ ├──	· · · · ·			+ +							l	
	20" ROYAL PALM BH=35'	tr811	12" PALM BH=12'	tr965	8" ACACIA (EAR LEAF)	tr894	22" BISCHOFFIA	tr982	8" BISCHOFFIA	tr1056	6* POND APPLE	tr1130 10" SABAL PALM BH=10'	tr1318		tr1397	8" ALEXANDER PALM BH=25'
	20" ROYAL PALM BH=33'	tr812	42" OAK	tr821	34" OAK	tr895	10" BISCHOFFIA	tr983	8" BISCHOFFIA	tr1057	12" ROYAL PALM BH=20'	tr1131 10" SABAL PALM BH=15'	tr1319	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tr1398	8" ALEXANDER PALM BH=30'
tr740	8" CHINESE FAN PALM BH=11'	tr813	14" SABAL PALM BH=19'	tr822	15" OAK	tr896	14" CARROTWOOD	tr984	24" STRANGLER FIG	tr1058	6* POND APPLE	tr1132 12" ROYAL PALM BH=15'	tr132	0 18" ROYAL PALM BH=45'	tr1253	15" ROYAL PALM BH=35'
tr741	12" SABAL PALM BH=9'	tr814	14" SABAL PALM BH=19'	tr823	24" OAK	tr897	20" ROYAL PALM BH=38'	tr985	10" BISCHOFFIA	tr1059	18" ROYAL PALM BH=35'	tr1133 8" ROYAL PALM BH=12'	tr132	1 20" ROYAL PALM BH=45'	tr1252	13" ROYAL PALM BH=18'
tr742	14" ROYAL PALM BH=30'	tr815	12" COCONUT PALM BH=21'	tr824	30" OAK	tr898	17" ROYAL PALM BH=4'	tr986	10" BISCHOFFIA	tr1060	5" ROYAL PALM BH=8'	tr1134 18" ROYAL PALM BH=50'	tr132	2 18" ROYAL PALM BH=35'	tr1254	8* POND APPLE
	12" SABAL PALM BH=26'	tr816	12	tr825	4" BISCHOFFIA	tr899	14" CARROTWOOD	tr987		tr1061	12" ROYAL PALM BH=35'	tr1135 30" POND APPLE	tr132		ł	13" BISCHOFFIA
	12" SABAL PALM BH=5'	tr817		tr826	12" ROYAL PALM BH=35'	tr1200	14" CARROTWOOD	tr988		tr1062	8* POND APPLE	tr1136 36" BISCHOFFIA	tr132		 	8" BISCHOFFIA
				+ + + + + + + + + + + + + + + + + + + +				4 F							 	
	14" SABAL PALM BH=30'	tr818	54" UNKNOWN	tr827	12" CHINESE FAN PALM BH=33'	tr1201	13" BISCHOFFIA	tr989			15" ROYAL PALM BH=50'	tr1137 6" POND APPLE	tr132	5 8" ALEXANDER PALM BH=30'	· -	6" BISCHOFFIA
tr746	14" ROYAL PALM BH=33'	tr819	6" ROYAL PALM BH=5'	tr829	12" SABAL PALM BH=27'	tr1202	11" CARROTWOOD	tr990	10" ROYAL PALM BH=25'	tr1064	15" POND APPLE	tr1138 12* POND APPLE	tr132	6 15" CARROTWOOD	tr1258	6" BISCHOFFIA
tr747	14" ROYAL PALM BH=30'	tr900	6" COCONUT PALM BH=25'	tr830	12" SABAL PALM BH=29'	tr1203	6" BISCHOFFIA	tr991	18" SABAL PALM BH=18'	tr1065	15" BISCHOFFIA	tr1139 18" ROYAL PALM BH=45'	tr132	7 18" ROYAL PALM BH=35'	tr1259	5" ALEXANDER PALM BH=20'
tr748	15" ROYAL PALM BH=28'	tr901	24" ROYAL PALM BH=45'	tr831	12" SABAL PALM BH=20'	tr1204	6" BISCHOFFIA	tr992	18" STRANGLER FIG	tr1066	12" ROYAL PALM BH=45'	tr1140 6" POND APPLE	tr132	8 4" UNKNOWN	tr1260	7" BISCHOFFIA
tr749	18" ROYAL PALM BH=30'	tr902	6" CARROTWOOD	tr832	14" SABAL PALM BH=18'	tr1205	18" BISCHOFFIA	tr993	8" BISCHOFFIA	tr1067	12" ROYAL PALM BH=25'	tr1141 6" BALD CYPRESS	tr1329	9 10" ROYAL PALM BH=13'	tr1261	7* BISCHOFFIA
	16" ROYAL PALM BH=30'	tr903	6" CARROTWOOD	tr833	30" STRANGLER FIG		18" ROYAL PALM BH=48'	tr994	30" STRANGLER FIG		18" POND APPLE	tr1142 20" ROYAL PALM BH=45'	tr1330	0 6" ROYAL PALM BH=20"	tr1262	6" BISCHOFFIA
	4" OAK	tr904	8" COCONUT PALM BH=18'	tr828	16" ROYAL PALM BH=37'	tr1207	8" CARROTWOOD	tr995		tr1069	4" BALD CYPRESS	tr1143 6* POND APPLE	tr133		l	11" BISCHOFFIA
				+				+							l	
	16" BISCHOFFIA	tr905	9" COCONUT PALM BH=20'	tr834	36" OAK		15" ROYAL PALM BH=45'	tr996			15" POND APPLE	tr1144 8" BALD CYPRESS	tr133	2 8* ROYAL PALM BH=20'	 	7* BISCHOFFIA
tr753	12" SABAL PALM BH=23'	tr906	5" COCONUT PALM BH=7'	tr835	7" ROYAL PALM BH=9'	tr1209	10" CARROTWOOD	tr997	8" BISCHOFFIA	tr1071	12" POND APPLE	tr1145 15" ROYAL PALM BH=45'	tr133	3 18" ROYAL PALM BH=45'	tr1265	13" BISCHOFFIA
tr754	11" SABAL PALM BH=23'	tr907	8" COCONUT PALM BH=8'	tr836	12" ROYAL PALM BH=18'	tr1210	10" BISCHOFFIA	tr998	15" SABAL PALM BH=12'	tr1072	5" ROYAL PALM BH=8'	tr1146 10" BALD CYPRESS	tr133	4 8" BISCHOFFIA	tr1266	8" BISCHOFFIA
tr755	10" SABAL PALM BH=23'	tr908	5" COCONUT PALM BH=5'	tr837	5" ROYAL PALM BH=5"	tr1211	18" BISCHOFFIA	tr999	8" BISCHOFFIA	tr1073	10" ROYAL PALM BH=30"	tr1147 12" BALD CYPRESS	tr134	0 4* POND APPLE	tr1267	8" BISCHOFFIA
tr756	12" SABAL PALM BH=30"	tr909	9" COCONUT PALM BH=20'	tr838	12" ROYAL PALM BH=21'	tr1212	8" BISCHOFFIA	tr1000	6" BISCHOFFIA	tr1074	18" BALD CYPRESS	tr1148 15" POND APPLE	tr134	1 18" ROYAL PALM BH=45'	tr1268	6" BISCHOFFIA
	10" SABAL PALM BH=23'	tr910		tr839	15" ROYAL PALM BH=30'		10" BISCHOFFIA	tr1001		tr1075	18" POND APPLE	tr1152 6* COCONUT PALM BH=8'	tr134		+	4" BISCHOFFIA
				+				4 F		l 					l	
	12" SABAL PALM BH=25'	tr911		tr840	8* WASHINGTONIA PALM BH=48'		8" BISCHOFFIA	tr1002		<u> </u>	8" ROYAL PALM BH=26'	tr1155 10" COCONUT PALM BH=20'	tr1343		l	4" BISCHOFFIA
tr759	12" SABAL PALM BH=25'	tr912	6" CARROTWOOD	tr841	15" SABAL PALM BH=22'	tr1215	6" BISCHOFFIA	tr1003	8" BISCHOFFIA	tr1077	20" ROYAL PALM BH=50'	tr1156 8" ROYAL PALM BH=10'	tr134	4 12" POND APPLE	tr1271	5" BISCHOFFIA
tr760	10" CARROTWOOD	tr913	7" MAHOGANY	tr842	5" OAK	tr1216	9" BISCHOFFIA	tr1004	18" ROYAL PALM BH=35'	tr1078	5" ROYAL PALM BH=8'	tr1157 8" WILLOW	tr134	5 18" ROYAL PALM BH=40'	tr1272	10" POND APPLE
tr761	4" CARROTWOOD	tr914	6" CARROTWOOD	tr843	5" BISCHOFFIA	tr1217	10" BISCHOFFIA	tr1005	72" STRANGLER FIG	tr1079	5" BALD CYPRESS	tr1158 8" WILLOW	tr134	6 15" ROYAL PALM BH=35'	tr1273	5" POND APPLE
tr762	6" CARROTWOOD	tr915	6" CARROTWOOD	tr860	5" BISCHOFFIA	tr1218	12" BISCHOFFIA	tr1006	8" ROYAL PALM BH=8'	tr1080	12" MAPLE	tr1159 10" BISCHOFFIA	tr134	7 8" ROYAL PALM BH=10'	tr1274	6" POND APPLE
tr763	3" ACACIA (EAR LEAF)	tr916	8" CARROTWOOD	tr861	4" OAK	tr1219	16" ROYAL PALM BH=38'	tr1007	6" ACACIA (EAR LEAF)	tr1081	12" ROYAL PALM BH=30'	tr1160 30" PIDGEON PLUM	tr134	8 15" ROYAL PALM BH=40'	tr1275	17" ROYAL PALM BH=35'
	18" ROYAL PALM BH=35'	tr917		tr862	5" OAK		16" ROYAL PALM BH=38'	+r1008	8" ACACIA (EAR LEAF)	tr1082	20" ROYAL PALM BH=40'	tr1161 8" BISCHOFFIA	tr134	9 12" BALD CYPRESS	ł	8" ROYAL PALM BH=7'
		tr918		┨ ├──				tr1009	<u> </u>	<u> </u>			tr135		·	13" ROYAL PALM BH=22'
	18" ROYAL PALM BH=40'		7" CARROTWOOD	tr863	12" BLACK OLIVE		24" ROYAL PALM BH=45'	┥ ├──			12" ROYAL PALM BH=40'				ł	
	13" SABAL PALM BH=16'	tr919	6* CARROTWOOD	tr864	6" OAK	tr1222	14" ROYAL PALM BH=17'	tr1010		tr1084	20" ROYAL PALM BH=40"	tr1163 12" POND APPLE	tr135		· -	11" ROYAL PALM BH=9'
tr767	18" OAK	tr920	8" CARROTWOOD	tr844	7" OAK	tr1223	7" ROYAL PALM BH=9'	tr1011	36" PIDGEON PLUM	tr1085	18" ROYAL PALM BH=45'	tr1164 12* POND APPLE	tr135	2 20" ROYAL PALM BH=50'	tr1279	8" ROYAL PALM BH=6'
tr772	20" SCHEFFLLERA	tr921	8" CARROTWOOD	tr845	4" OAK	tr1224	4" ROYAL PALM BH=5'	tr1012	18" PIDGEON PLUM	tr1086	15" ROYAL PALM BH=45'	tr1165 8* POND APPLE	tr135	3 18" ROYAL PALM BH=25'	tr1280	8" BISCHOFFIA
tr768	3" ARECA BAMBOO PALM BH=14'	tr922	8" CARROTWOOD	tr846	12" MAPLE	tr1225	14" ROYAL PALM BH=28'	tr1013	18" ROYAL PALM BH=50'	tr1087	20" ROYAL PALM BH=30'	tr1166 18" POND APPLE	tr135	4 12" ROYAL PALM BH=25'	tr1281	12" POND APPLE
tr769	3" ARECA BAMBOO PALM BH=14'	tr923	6" CARROTWOOD	tr865	UNKN" CITRUS TREE	tr1226	14" ROYAL PALM BH=31'	tr1014	4" WILD TAMARIND	tr1088	12" ROYAL PALM BH=40'	tr1167 18" ROYAL PALM BH=45'	tr135	5 20" ROYAL PALM BH=45"	tr1282	16" ROYAL PALM BH=20'
	13" ROYAL PALM BH=26'	tr924	6" CARROTWOOD	tr847	4" OAK	tr1227	14" ROYAL PALM BH=19'	tr1015		tr1089	20" ROYAL PALM BH=50'	tr1168 6* ROYAL PALM BH=8'	tr135		l	12" POND APPLE
	3" ARECA BAMBOO PALM BH=14'	tr925	6" CARROTWOOD	tr848	4" OAK		19" PALM BH=20'	┥ ├──	12" OAK		18" ROYAL PALM BH=50'	tr1169 18" ROYAL PALM BH=30'	tr135			14" ROYAL PALM BH=22'
				1				┨ ├──		l			-		 	
	3" ARECA BAMBOO PALM BH=14'	tr926	18" CARROTWOOD	tr849	9* OAK		15" ROYAL PALM BH=28'	tr1017	10 110112 11211 511 55	tr1091	12" POND APPLE	tr1170 8" POND APPLE	tr135		l	15" MAPLE
tr774	3" ARECA BAMBOO PALM BH=14'	tr927	10" CARROTWOOD	tr850	5" OAK	tr1230	12" ROYAL PALM BH=28'	tr1018	10 10 10 10 10 10		18" SABAL PALM BH=12'	tr1171 8" POND APPLE	tr135	9 24" POND APPLE	tr1400	12" ROYAL PALM BH=15'
tr775	3" ARECA BAMBOO PALM BH=14'	tr928	6" CARROTWOOD	tr851	5" OAK	tr1231	14" ROYAL PALM BH=19'	tr1019	4" POND APPLE	tr1093	20" POND APPLE	tr1172 8" POND APPLE	tr136	0 12" ROYAL PALM BH=40'	tr1401	31" PALM BH=12'
tr776	15" BISCHOFFIA	tr929	6" CARROTWOOD	tr852	18" BALD CYPRESS	tr1232	18" ROYAL PALM BH=27'	tr1020	8" POND APPLE	tr1094	18" ROYAL PALM BH=35'	tr1173 18" BISCHOFFIA	tr136	1 15" ROYAL PALM BH=45'	tr1402	12" MAPLE
tr777	16" COCONUT PALM BH=32'	tr930	6" CARROTWOOD	tr853	20" BALD CYPRESS	tr1233	UNKN" UNKNOWN	tr1021	8" SABAL PALM BH=18'	tr1095	6" POND APPLE	tr1174 36" STRANGLER FIG	tr136	2 8" BISCHOFFIA	tr1403	12" POND APPLE
	14" COCONUT PALM BH=38'	tr931	6" CARROTWOOD	tr854	17" BALD CYPRESS	tr1234	13" ROYAL PALM BH=40'	tr1022		tr1096	12" POND APPLE	tr1175 6" CARROTWOOD	tr136	3 12" ROYAL PALM BH=20'	· -	8* POND APPLE
	11" COCONUT PALM BH=32'	tr932	6" BISCHOFFIA	tr855	19" BALD CYPRESS		13" ROYAL PALM BH=32'	tr1023		tr1097	10" BALD CYPRESS	tr1176 6" CARROTWOOD	tr136		l	4" POND APPLE
				┨ ├──				┨ ├──				33333	-			
	15" ROYAL PALM BH=42'	tr933	10" COCONUT PALM BH=20'	tr856	14" SABAL PALM BH=29'		14" STRANGLER FIG	tr1024		tr1098	72" PIDGEON PLUM	tr1177 8" BISCHOFFIA	tr136		 	12" POND APPLE
tr781	14" BISCHOFFIA	tr934	8" COCONUT PALM BH=8'	tr857	20" ROYAL PALM BH=32'	tr1237	10" BISCHOFFIA	tr1025	12" POND APPLE	tr1099	8" SABAL PALM BH=25'	tr1178 18" ROYAL PALM BH=45'	tr136	6 8" BISCHOFFIA	tr1407	15" POND APPLE
tr782	18" BISCHOFFIA	tr935	12" CARROTWOOD	tr858	11" COCONUT PALM BH=15'	tr1238	4" BISCHOFFIA	tr1026	12" ROYAL PALM BH=8"	tr1100	30" OAK	tr1179 15" ROYAL PALM BH=45'	tr136	7 10" POND APPLE	tr1408	10* POND APPLE
tr783	5" BISCHOFFIA	tr936	12" COCONUT PALM BH=20'	tr859	9" COCONUT PALM BH=11'	tr1239	8" BISCHOFFIA	tr1027	4" POND APPLE	tr1101	10" OAK	tr1180 8" BISCHOFFIA	tr136	8 8" POND APPLE	tr1409	6" POND APPLE
tr784	5" BISCHOFFIA	tr937	18" SABAL PALM BH=20'	tr866	11" OAK	tr1240	4" BISCHOFFIA	tr1028	6" POND APPLE	tr1102	10" OAK	tr1181 8* BISCHOFFIA	tr136	9 15" ROYAL PALM BH=40'	tr1410	10" POND APPLE
	6TWIN* BISCHOFFIA	tr938	18" SABAL PALM BH=10'	tr867	13" OAK		6" BISCHOFFIA	tr1029		tr1103	12" OAK	tr1182 6* BISCHOFFIA	tr1370		l	12" SABAL PALM BH=15'
	12" BISCHOFFIA	tr939	8" MAHOGANY	tr868	7" BISCHOFFIA	tr1242	19" BISCHOFFIA	tr1030			15" OAK	tr1183 12" BISCHOFFIA	tr137		1	12" SABAL PALM BH=10'
				┨ ├──				┥ ├──							1	
	12" BISCHOFFIA	tr940	10" CARROTWOOD	tr869	4" PALM BH=4'		22" BISCHOFFIA	tr1031			40" BANYAN TREE	tr1184 6* POND APPLE	tr137		 	8" POND APPLE
tr788	8" BISCHOFFIA	tr941	15" MAHOGANY	tr870	4" PALM BH=6'	tr1244	16" BISCHOFFIA	tr1032			15" GUMBO LIMBO	tr1185 6" POND APPLE	tr137			6" POND APPLE
tr789	10" BISCHOFFIA	tr942	18" SABAL PALM BH=10'	tr871	4* PALM BH=7'	tr1245	17" MAPLE	tr1033	18" ROYAL PALM BH=45'	tr1107	6" ALEXANDER PALM BH=20'	tr1186 6" POND APPLE	tr137	4 4" BISCHOFFIA		6* POND APPLE
tr790	10" BISCHOFFIA	tr943	10" CARROTWOOD	tr872	16" ROYAL PALM BH=30'	tr1246	13" ROYAL PALM BH=40'	tr1034	15" ROYAL PALM BH=45'	tr1108	24" BLACK OLIVE	tr1187 6" CARROTWOOD	tr137	5 24" STRANGLER FIG	tr1416	6" POND APPLE
		_		_									_		_	

PLOT DATE: 12/4/2017 8:15 AM BY: DREYES XREFs = G:\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419TOPO,G:\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419BSLN

10/22/2019 4:18 PM

File = G:\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419SURV Saved by DReyes Save date = CAM#190175 8:13 AM
Exhibit 3F - Part 6 of 6 p. 633
Page 10 of 46

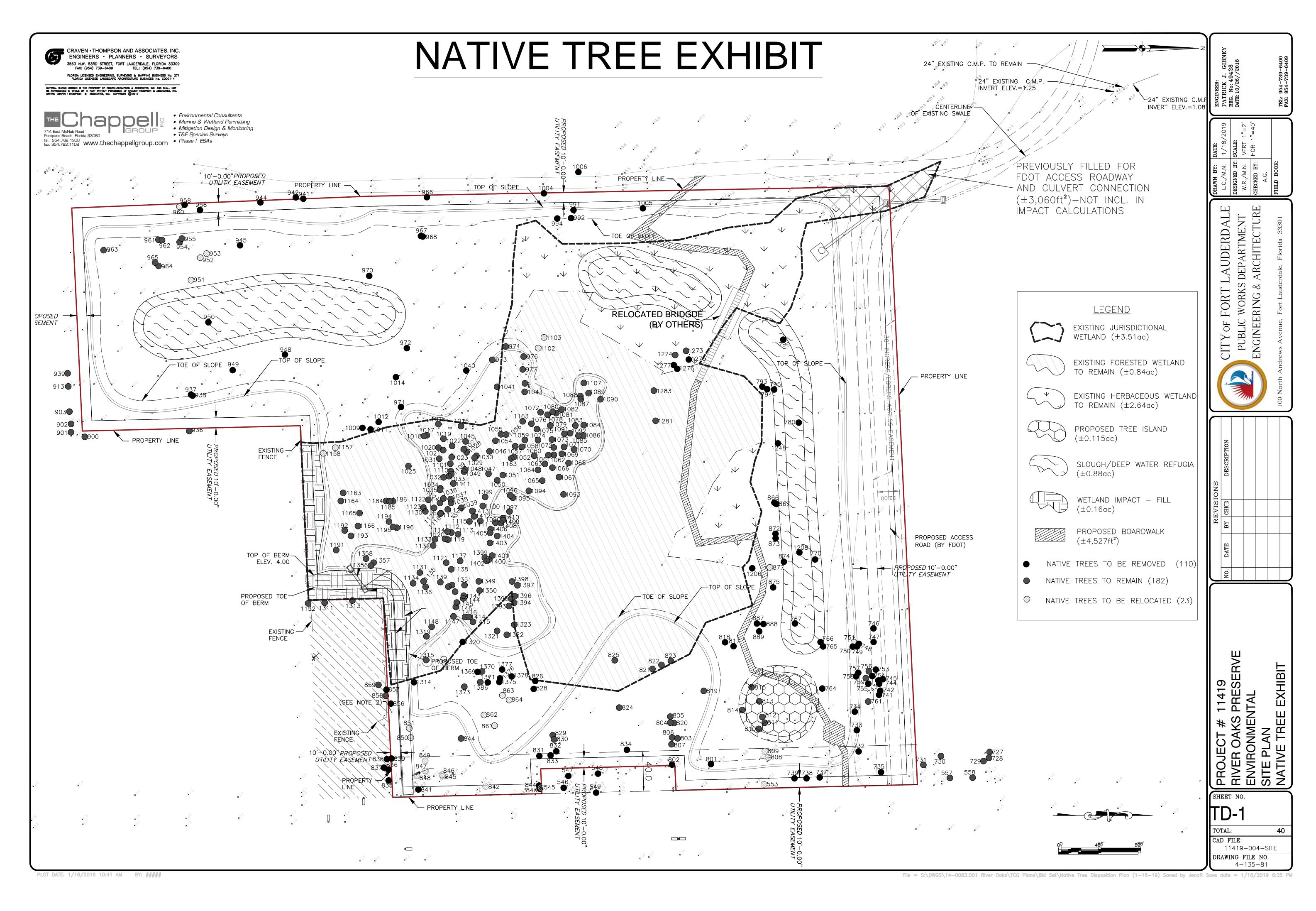
11419SURV

DRAWING FILE NO. 4-135-81

CAD FILE:

City of Fort Lauderdale

Bid 12242-493



CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 634 Page 11 of 46 CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400 FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WRITING CRAVEN THOMPSON & ASSOCIATES, INC. COPYRIGHT (© 2017

Environmental Consultants
 Marina & Wetland Permitting
 Mitigation Design & Monitoring
 Mitigation Design & Monitoring
 T&E Species Surveys
 Phase I ESAs

TREE #	SCIENTIFIC NAME	COMMON NAME	CONDITION	CALIPER INCHES
543	Quercus spp.	Oak	Removed	30
544	Quercus spp. Quercus spp.	Oak	Removed	30
545	Quercus spp.	Oak	Relocated	12
546	Sabal palmetto	Sabal Palm	Removed	12
547	Sabal palmetto	Sabal Palm	Removed	11
548	Sabal palmetto	Sabal Palm	Removed	11
549	Quercus virginiana	Live Oak	Removed	122
553	Quercus spp.	Oak	Relocated	7
727	Roystonea regia	Royal Palm	Remain	7
730	Sabal palmetto	Sabal Palm	Remain	10
731	Roystonea regia	Royal palm	Remain	19
732	Roystonea regia	Royal palm	Removed	19
733	Quercus spp.	Oak	Removed	18
734	Quercus spp.	Oak	Removed	10
735	Quercus spp.	Oak	Removed	15
737	Roystonea regia	Royal Palm	Removed	18
738	Roystonea regia	Royal Palm	Removed	20
739	Roystonea regia	Royal Palm	Removed	20
741	Sabal palmetto	Sabal Palm	Removed	12
742	Roystonea regia	Royal Palm	Removed	14
743	Sabal palmetto	Sabal Palm	Removed	12
744	Sabal palmetto	Sabal Palm	Removed	12
745	Sabal palmetto	Sabal Palm	Removed	14
746	Roystonea regia	Royal Palm	Removed	14
747 748	Roystonea regia	Royal Palm Royal Palm	Removed Removed	14 15
748	Roystonea regia Roystonea regia	Royal Palm Royal Palm	Removed	18
750	Roystonea regia	Royal Palm	Removed	16
751	Quercus spp.	Oak	Relocated	4
753	Sabal palmetto	Sabal Palm	Removed	12
754	Sabal palmetto	Sabal Palm	Removed	11
755	Sabal palmetto	Sabal Palm	Removed	10
756	Sabal palmetto	Sabal Palm	Remain	12
757	Sabal palmetto	Sabal Palm	Removed	10
758	Sabal palmetto	Sabal Palm	Removed	12
759	Sabal palmetto	Sabal Palm	Remain	12
764	Roystonea regia	Royal Palm	Removed	18
765	Roystonea regia	Royal Palm	Removed	18
766	Sabal palmetto	Sabal Palm	Removed	13
767	Quercus spp.	Oak	Removed	18
770	Roystonea regia	Royal Palm	Removed	13
780	Roystonea regia	Royal Palm	Removed	15
793	Roystonea regia	Royal Palm	Removed	15
794	Roystonea regia	Royal Palm	Removed	11
795	Roystonea regia	Royal Palm	Removed	14
796	Roystonea regia	Royal Palm	Removed	16
801	Roystonea regia	Royal Palm	Removed	14
802	Roystonea regia	Royal Palm	Removed	18
803	Roystonea regia	Royal Palm	Remain	10
804	Roystonea regia	Royal Palm	Remain	16
805	Sabal palmetto	Sabal Palm	Remain	15
806	Sabal palmetto	Sabal Palm	Remain	14
807 810	Ficus aurea	Strangler Fig	Remain	40 11
810	Sabal palmetto Sabal palmetto	Sabal Palm Sabal Palm	Remain Remain	11 12
811	Quercus spp.	Oak	Remain	42
813	Sabal palmetto	Sabal Palm	Remain	14
814	Sabal palmetto	Sabal Palm	Remain	14
817	Quercus virginiana	Live Oak	Removed	54
818	Quercus virginiana	Live Oak	Removed	54
819	Roystonea regia	Royal Palm	Remain	6
821	Roystonea regia	Royal Palm	Remain	34
822	Quercus spp.	Oak	Remain	15
823	Quercus spp.	Oak	Remain	24
824	Quercus spp.	Oak	Remain	30
826	Roystonea regia	Royal Palm	Removed	12
828	Roystonea regia	Royal Palm	Removed	16
829	Sabal palmetto	Sabal Palm	Remain	12
830	Sabal palmetto	Sabal Palm	Remain	12
831	Sabal palmetto	Sabal Palm	Removed	12
832	Sabal palmetto	Sabal Palm	Removed	14
833	Ficus aurea	Strangler Fig	Removed	30
834	Quercus spp.	Oak	Removed	36
835	Roystonea regia	Royal Palm	Removed	7
836	Roystonea regia	Royal Palm	Removed	12
837	Roystonea regia	Royal Palm	Removed	5
838	Roystonea regia	Royal Palm	Removed	12
839	Roystonea regia	Royal Palm	Removed	16
841	Sabal palmetto	Sabal Palm	Removed	15
842	Quercus spp.	Oak	Relocated	5

Relocated

TREE #	SCIENTIFIC NAME	COMMON NAME	CONDITION	CALIPER INCHES
843	Quercus spp.	Oak	Removed	5
844	Quercus spp.	Oak	Relocated	7
845	Quercus spp.	Oak	Relocated	4
846	Acer rubrum	Red Maple	Relocated	12
847	Quercus spp.	Oak	Relocated	4
848	Quercus spp.	Oak	Relocated	4
849	Quercus spp.	Oak	Relocated	9
850	Quercus spp.	Oak	Relocated	5
851	Quercus spp.	Oak	Relocated	5
856	Sabal palmetto	Sabal Palm	Removed	14
857	Roystonea regia	Royal Palm	Removed	20
861		Oak	Relocated	
	Quercus spp.			4
862	Quercus spp.	Oak	Relocated	5
864	Quercus spp.	Oak	Relocated	6
866	Quercus spp.	Oak	Removed	11
867	Quercus spp.	Oak	Removed	13
872	Roystonea regia	Royal pam	Removed	16
873	Ficus aurea	Strangler Fig	Removed	40
874	Quercus spp.	Oak	Removed	16
875	Roystonea regia	Royal Palm	Removed	16
887	Sabal palmetto	Sabal Palm	Removed	14
888	Sabal palmetto	Sabal Palm	Removed	11
889	Taxodium distichum	Bald Cypress	Removed	20
901	Roystonea regia	Royal Palm	Remain	24
913	Swietenia mahagoni	Mahogany	Remain	7
937		Sabal Palm	Removed	18
	Sabal palmetto			
938	Sabal palmetto	Sabal Palm	Removed	18
939	Swietenia mahagoni	Mahagany	Remain	8
941	Swietenia mahagoni	Mahogany	Removed	15
942	Sabal palmetto	Sabal Palm	Removed	18
944	Swietenia mahagoni	Mahogany	Removed	20
945	Ficus aurea	Strangler Fig	Removed	30
948	Sabal palmetto	Sabal Palm	Removed	10
949	Sabal palmetto	Sabal Palm	Removed	10
950	Sabal palmetto	Sabal Palm	Removed	12
951	Swietenia mahagoni	Mahogany	Relocated	5
952	Swietenia mahagoni	Mahogany	Relocated	5
953	Swietenia mahagoni	Mahogany	Relocated	4
954	Serenoa repens	Saw Palmetto Palm	Remain	20
955	Serenoa repens	Saw Palmetto Palm	Remain	20
956	Quercus spp.	Oak	Removed	15
958	Serenoa repens	Saw Palmetto Palm	Removed	18
959	Swietenia mahagoni	Mahogany	Relocated	12
963	Sabal palmetto	Sabal Palm	Remain	18
966	Swietenia mahagoni		Removed	10
967	Sabal palmetto	Mahogany Sabal Palm	Removed	18
967	Ficus aurea		Removed	6
		Strangler Fig	<u> </u>	
970	Sabal palmetto	Sabal Palm	Removed	18
971	Sabal palmetto	Sabal Palm	Removed	12
972	Sabal palmetto	Sabal Palm	Removed	12
973	Sabal palmetto	Sabal Palm	Remain	18
974	Sabal palmetto	Sabal Palm	Remain	18
976	Ficus aurea	Strangler Fig	Remain	30
977	Ficus aurea	Strangler Fig	Remain	84
991	Sabal palmetto	Sabal Palm	Removed	18
992	Ficus aurea	Strangler Fig	Removed	18
994	Ficus aurea	Strangler Fig	Removed	30
998	Sabal palmetto	Sabal Palm	Removed	15
1004	Roystonea regia	Royal Palm	Removed	18
1005	Ficus aurea	Strangler Fig	Removed	72
1005	Roystonea regia	Royal Palm	Removed	8
1006	Coccoloba diversifolia	, , , , , , , , , , , , , , , , , , ,	Removed	12
		Pidgeon Plum		
1011	Coccoloba diversifolia	Pidgeon Plum	Removed	36
1012	Coccoloba diversifolia	Pidgeon Plum	Removed	18
1014	Leucaena leucocephala	Wild Tamarind	Removed	4
1015	Quercus spp.	Oak	Remain	12
1016	Quercus spp.	Oak	Remain	12
1017	Roystonea regia	Royal Palm	Remain	18
1018	Roystonea regia	Royal Palm	Remain	12
1019	Annona glabra	Pond Apple	Remain	4
1020	Annona glabra	Pond Apple	Remain	8
1021	Sabal palmetto	Sabal Palm	Remain	8
1021	Annona glabra	Pond Apple	Remain	4
1022			Remain	12
	Roystonea regia	Royal Palm		
1025	Annona glabra	Pond Apple	Remain	12
1027	Annona glabra	Pond Apple	Remain	4
1028	Annona glabra	Pond Apple	Remain	6
1029	Annona glabra	Pond Apple	Remain	4
1030	Annona glabra	Pond Apple	Remain	6
			_	18

18 18 30 15 18 72 8 12 36 18 4 12 12 12 18 12 4 8 8 8 4 12 4 6 4 6 18		TOT	D TAL:	ILE:	2	SITE PLAN	40	
5 4 20 20 15 18 12 18 10 18 6 18 12 12 12 18 10 8 4		REVISIONS	NO. DATE BY CHK'D DESCRIPTION					
11 13 16 40 16 16 16 14 11 20 24 7 18 18 18 8 15 18 20 30 10 10 10 12 5			CITY OF FORT LAUDERDALE			ENGINEERING & ARCHITECTORE	100 North Andrews Avenue, Fort Lauderdale, Florida 33301	
4 9 5 5 14 20 4 5		DATE:	/2019		W.K./M.N. VERI I = 2 M.E.Y. HOR 1"=40'	Checked BI: A.G.	FIELD BOOK:	
5 7 4 12 4		ENGINEER:	PATRICK J. GIBNEY	DATE: 10/26//2018			TEL: 954-739-6400 FAX: 954-739-6409	

PLOT DATE: 1/18/2019 10:41 AM BY: #####

842

Quercus spp.

File = S:\DWGS\14-0083.001 River Oaks\TCG Plans\Bid Set\Native Tree Dispositi

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WRITING CRAVEN - THOMPSON & ASSOCIATES, INC. COPYRIGHT @ 2017

• Environmental Consultants
• Marina & Wetland Permitting
• Marina & Wetland Permitting
• Mitigation Design & Monitoring
• Mitigation Design & Monitoring
• T&E Species Surveys
• Phase I ESAs

TREE #	SCIENTIFIC NAME	COMMON NAME	CONDITION	CALIPER INCHES
1032	Roystonea regia	Royal Palm	Remain	20
1033	Roystonea regia	Royal Palm	Remain	18
1034	Roystonea regia	Royal Palm	Remain	15
1035	Roystonea regia	Royal Palm	Remain	10
1036	Roystonea regia	Royal Palm	Remain	8
1037	Roystonea regia	Royal Palm	Remain	15
1038 1039	Roystonea regia	Royal Palm	Remain	18
1039	Annona glabra Coccoloba uvifera	Pond Apple	Remain Removed	36
1040	Coccoloba uvifera	Sea Grape	Remain	15
1041		Sea Grape Oak	Remain	12
1042	Quercus spp.	Oak	Remain	12
1043	Quercus spp. Quercus spp.	Oak	Remain	18
1044	Roystonea regia	Royal Palm	Remain	12
1046	Taxodium distichum	Bald Cypress	Remain	10
1047	Annona glabra	Pond Apple	Remain	8
1048	Sabal palmetto	Sabal Palm	Remain	8
1049	Sabal palmetto	Sabal Palm	Remain	8
1050	Roystonea regia	Royal Palm	Remain	18
1051	Acer rubrum	Red Maple	Remain	12
1052	Roystonea regia	Royal Palm	Remain	12
1053	Roystonea regia	Royal Palm	Remain	12
1054	Annona glabra	Pond Apple	Remain	12
1055	Annona glabra	Pond Apple	Remain	8
1056	Annona glabra	Pond Apple	Remain	6
1057	Roystonea regia	Royal Palm	Remain	12
1058	Annona glabra	Pond Apple	Remain	6
1059	Roystonea regia	Royal Palm	Remain	18
1060	Roystonea regia	Royal Palm	Remain	5
1061	Roystonea regia	Royal Palm	Remain	12
1062	Annona glabra	Pond Apple	Remain	8
1063	Roystonea regia	Royal Palm	Remain	15
1064	Annona glabra	Pond Apple	Remain	15
1066	Roystonea regia	Royal Palm	Remain	12
1067	Roystonea regia	Royal Palm	Remain	12
1068	Annona glabra	Pond Apple	Remain	18
1069	Taxodium distichum	Bald Cypress	Remain	4
1070	Annona glabra	Pond Apple	Remain	15
1071	Annona glabra	Pond Apple	Remain	12
1072	Roystonea regia	Royal Palm	Remain	5
1073	Roystonea regia	Royal Palm	Remain	10
1074	Taxodium distichum	Bald Cypress	Remain	18
1075	Annona glabra	Pond Apple	Remain	18
1076	Roystonea regia	Royal Palm	Remain	8
1077	Roystonea regia	Royal Palm	Remain	20
1078	Roystonea regia	Royal Palm	Remain	5
1079	Taxodium distichum	Bald Cypress	Remain	5
1080	Acer rubrum	Red Maple	Remain	12
1081	Roystonea regia	Royal Palm	Remain	12
1082	Roystonea regia	Royal Palm	Remain	20
1083	Roystonea regia	Royal Palm	Remain	12
1084	Roystonea regia	Royal Palm	Remain	20
1085	Roystonea regia	Royal Palm	Remain	18
1086	Roystonea regia	Royal Palm	Remain	15
1087	Roystonea regia	Royal Palm	Remain	20
1088	Roystonea regia	Royal Palm	Remain	12
1089	Roystonea regia	Royal Palm	Remain	20
1090	Roystonea regia	Royal Palm	Remain	18
1091	Annona glabra	Pond Apple	Remain	12
1092	Sabal palmetto	Sabal Palm	Remain	18
1093	Annona glabra	Pond Apple	Remain	20
1094	Roystonea regia	Royal Palm	Remain	18
1095	Annona glabra	Pond Apple	Remain	6
1096	Annona glabra	Pond Apple	Remain	12
1097	Taxodium distichum	Bald Cypress	Remain	10
1099	Sabal palmetto	Sabal Palm	Remain	8
1100	Quercus spp.	Oak	Remain	30
1101	Quercus spp.	Oak	Remain	10
1102	Quercus spp.	Oak	Relocated	10
1103	Quercus spp.	Oak	Relocated	12
1109	Roystonea regia	Royal Palm	Remain	12
1110	Annona glabra	Pond Apple	Remain	8
1111	Annona glabra	Pond Apple	Remain	12
1112	Roystonea regia	Royal Palm	Remain	8
1113	Annona glabra	Pond Apple	Remain	18
1114	Annona glabra	Pond Apple	Remain	8
1115	Taxodium distichum	Bald Cypress	Remain	8
	Roystonea regia	Royal Palm	Remain	15
1116 1117	Taxodium distichum	Bald Cypress	Removed	12

1120	SCIENTIFIC NAME	COMMON NAME	CONDITION	CALIPER INCHES
1120	Roystonea regia	Royal Palm	Remain	18
1121	Roystonea regia	Royal Palm	Remain	20
1122	Annona glabra	Pond Apple	Remain	8
1123 1124	Annona glabra	Pond Apple	Remain Remain	8
1124	Annona glabra	Pond Apple	Remain	6
1125	Annona glabra	Pond Apple	Remain	6
1127	Annona glabra	Pond Apple		6
	Annona glabra	Pond Apple	Remain	
1131	Sabal palmetto	Sabal Palm	Remain	10
1132	Roystonea regia	Royal Palm	Remain	12
1133	Roystonea regia	Royal Palm	Remain	8
1134	Roystonea regia	Royal Palm	Remain	18
1135	Annona glabra	Pond Apple	Remain	30
1137	Annona glabra	Pond Apple	Remain	6
1138	Annona glabra	Pond Apple	Remain	12
1139	Roystonea regia	Royal Palm	Remain	18
1140	Annona glabra	Pond Apple	Remain	6
1141	Taxodium distichum	Bald Cypress	Remain	6
1142	Roystonea regia	Royal Palm	Remain	20
1143	Annona glabra	Pond Apple	Remain	6
1144	Taxodium distichum	Bald Cypress	Remain	8
1145	Roystonea regia	Royal Palm	Remain	15
1146	Taxodium distichum	Bald Cypress	Remain	10
1147	Taxodium distichum	Bald Cypress	Remain	12
1148	Annona glabra	Pond Apple	Remain	15
1163	Annona glabra	Pond Apple	Remain	12
1164	Annona glabra	Pond Apple	Remain	12
1165	Annona glabra	Pond Apple	Remain	8
1166	Annona glabra	Pond Apple	Remain	18
1184	Annona glabra	Pond Apple	Remain	6
1185	Annona glabra	Pond Apple	Remain	6
1186	Annona glabra	Pond Apple	Remain	6
1191	Annona glabra	Pond Apple	Remain	6
1192	Annona glabra	Pond Apple	Remain	6
1193	Annona glabra	Pond Apple	Remain	15
1194	Annona glabra	Pond Apple	Remain	10
1195	Annona glabra	Pond Apple	Remain	10
1196	Annona glabra	Pond Apple	Remain	8
1206	Roystonea regia	Royal Palm	Removed	18
1208	Roystonea regia	Royal Palm	Removed	15
1248	Roystonea regia	Royal Palm	Removed	15
1273	Annona glabra	Pond Apple	Remain	17
1274	Annona glabra	Pond Apple	Remain	6
1275	Roystonea regia	Royal Palm	Removed	17
1276	Roystonea regia	Royal Palm	Removed	8
1277	Roystonea regia	Royal Palm	Removed	13
1281	Annona glabra	Pond Apple	Remain	12
1283	Annona glabra	Pond Apple	Remain	12
1314	Roystonea regia	Royal Palm	Removed	20
1315	Taxodium distichum	Bald Cypress	Remain	12
1319	Annona glabra	Pond Apple	Remain	12
1320	Roystonea regia	Royal Palm	Removed	18
1321	Roystonea regia	Royal Palm	Remain	20
1322	Roystonea regia	Royal Palm	Remain	18
1323	Roystonea regia	Royal Palm	Remain	18
1349	Taxodium distichum	Bald Cypress	Remain	12
1350	Taxodium distichum	Bald Cypress	Remain	15
1351	Annona glabra	Pond Apple	Remain	8
1356	Roystonea regia	Royal Palm	Remain	15
1358	Roystonea regia	Royal Palm	Remain	18
1369	Roystonea regia	Royal Palm	Removed	15
1370	Annona glabra	Pond Apple	Remain	8
1371	Quercus spp.	Oak	Removed	18
1373	Annona glabra	Pond Apple	Remain	4
1375	Ficus aurea	Strangler Fig	Removed	24
1376	Coccoloba uvifera	Sea Grape	Removed	12
1377	Roystonea regia	Royal Palm	Removed	8
1378	Roystonea regia	Royal Palm	Removed	12
1386	Annona glabra	Pond Apple	Remain	12
1393	Roystonea regia	Royal Palm	Remain	12
1394	Roystonea regia	Royal Palm	Remain	18
	Roystonea regia	Royal Palm	Remain	20
1395 l		•		8
1395 1157	Salix spp.	Willow	Kelocareo	
1395 1157 1158	Salix spp. Salix spp.	Willow	Relocated Relocated	8

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE PROJECT # 11419
RIVER OAKS PRESERVE
ENVIRONMENTAL
SITE PLAN
NATIVE TREE DISPOSITIC TOTAL: CAD FILE: 11419-004-SITE DRAWING FILE NO. 4-135-81

PLOT DATE: 1/18/2019 10:41 AM BY: ####

File = S:\DWGS\14-0083.001 River Oaks\TCG Plans\Bid Set\Native Tree Disposition Plan (1-16-19) Saved by JenaR Save date = 1/16/2019 6:35 PM



CRAVEN • THOMPSON AND ASSOCIATES, INC. ENGINEERS • PLANNERS • SURVEYORS 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309 FAX: (954) 739-6409 TEL.: (954) 739-6400



Mitigation Design & Monitoring

714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782.1908
fax. 954.782.1108
www.thechappellgroup.com

• Mitigation Desig
• T&E Species Sul
• Phase I ESAs

PLANTING PLAN

MARSH (± 4.0 ac)

	SPECIES	COMMON NAME	<u>SPACING</u>	QUANTITY	SIZE	ELEVATION
	Pontedaria cordata	Pickerelweed	3' o/c	5,000	BR	(-)1.0' - 0' NAVD
	Sagittaria latifolia	Duck potato	3' o/c	5,000	BR	(-)1.0' - 0' NAVD
	Sagittaria lancifolia	Arrow arum	3' o/c	2,400	BR	(-)1.0' - (-)0.5' NAVI
	Thalia geniculata	Fireflag	3' o/c	2,260	BR	(-)1.0' - 0' NAVD
	Crinum americanum	Swamp lily	3' o/c	3,200	BR	(-)0.5' - 0' NAVD
			Subtotal	17,860		
T	REES					
	SPECIES	COMMON NAME	<u>SPACING</u>	QUANTITY	SIZE	ELEVATION
	Taxodium distichum	Bald cypress	10' o/c	80	7gal	0' - 1.0' NAVD
	Pinus elliottii	Slash pine	10' o/c	70	7gal	0.5' - 4.0' NAVD
	Sabal palmetto	Cabbage palm	10' o/c	<u>150</u>	8-10'	0.5' - 4.0' NAVD
			Subtotal	300		
S	HRUBS & GROUNDCOVE	RS				
	SPECIES	COMMON NAME	<u>SPACING</u>	QUANTITY	SIZE	ELEVATION
	Tripsacum dactyloides	Fakahatchee grass	4' o/c	180	1gal	3.0' - 4.0' NAVD
	Spartina bakeri	Sand cordgrass	4' o/c	200	1gal	1.0' - 4.0' NAVD
	Hamelia patens	Firebush	4' o/c	600	1gal	0.5' - 4.0' NAVD
	Psychotria nervosa	Wild coffee	4' o/c	600	1gal	0.5' - 4.0' NAVD
	Muhlenbergia capillaris	Muhly grass	4' o/c	<u>300</u>	LN	0.5' - 4.0' NAVD
			Subtotal	1,880		
			TOTAL	20,040		
				· I		

SLOUGH (± 0.88ac)

		Subtotal	4 260		
Nymphaea odorata	White water lily	3' o/c	3,200	BR	0.5' - (-) 2.0' NAVD
Scirpus californicus	Giant bulrush	3' o/c	1,060	BR	0.5' - (-) 2.0' NAVD

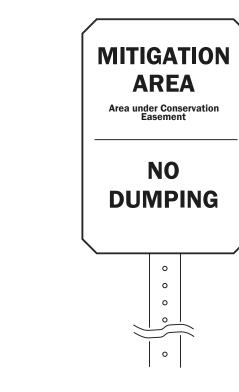
TREE ISLAND (± 0.925 ac)

TREES

EXISTING TREES TO REMAIN ON TREE ISLANDS AND SUPPLEMENTAL PLANTINGS TO BE DONE WITH RELOCATED TREES

SHRUBS & GROUNDCOVERS

		Subtotal	2,520		
Psychotria nervosa	Wild coffee	4' o/c	<u>620</u>	1gal	1.0' - 4.0' NAVD
Hamelia patens	Firebush	4' o/c	850	1gal	1.0' - 4.0' NAVD
Tripsacum dactyloides	Fakahatchee grass	4' o/c	200	1gal	>3.0' NAVD
Chrysobalanus icaco	Cocoplum	4' o/c	850	1gal	1.0' - 4.0' NAVD
SPECIES	COMMON NAME	SPACING	QUANTITY	SIZE	ELEVATION



MITIGATION SIGNAGE (TYP.)

11419-004-SITE DRAWING FILE NO. 4-135-81

PLOT DATE: 1/18/2019 6:20 PM BY: #####

SIZE ABBREVIATIONS

BR = Bare root

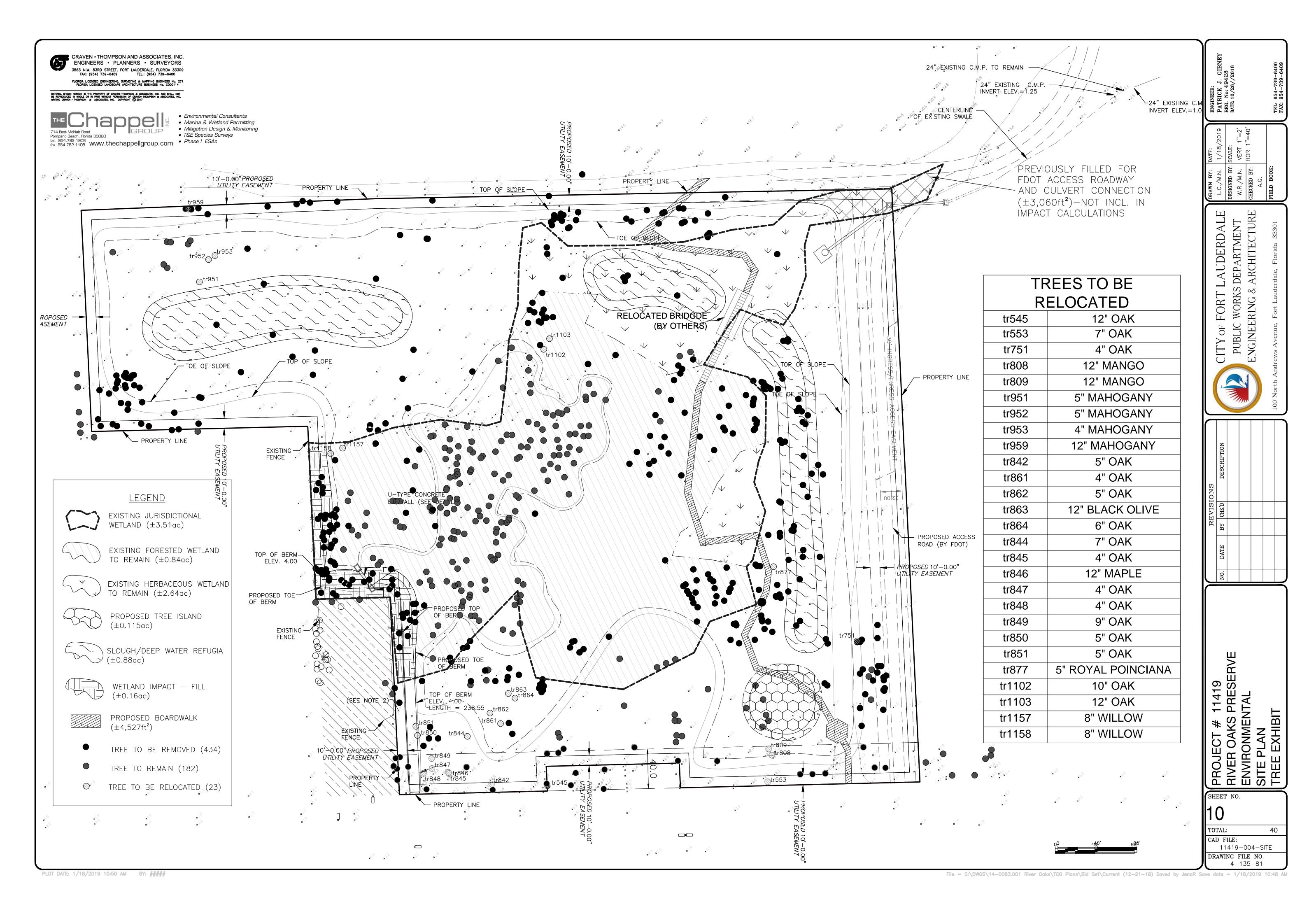
1gal = 1 gallon

8-10' = 8-10' in height

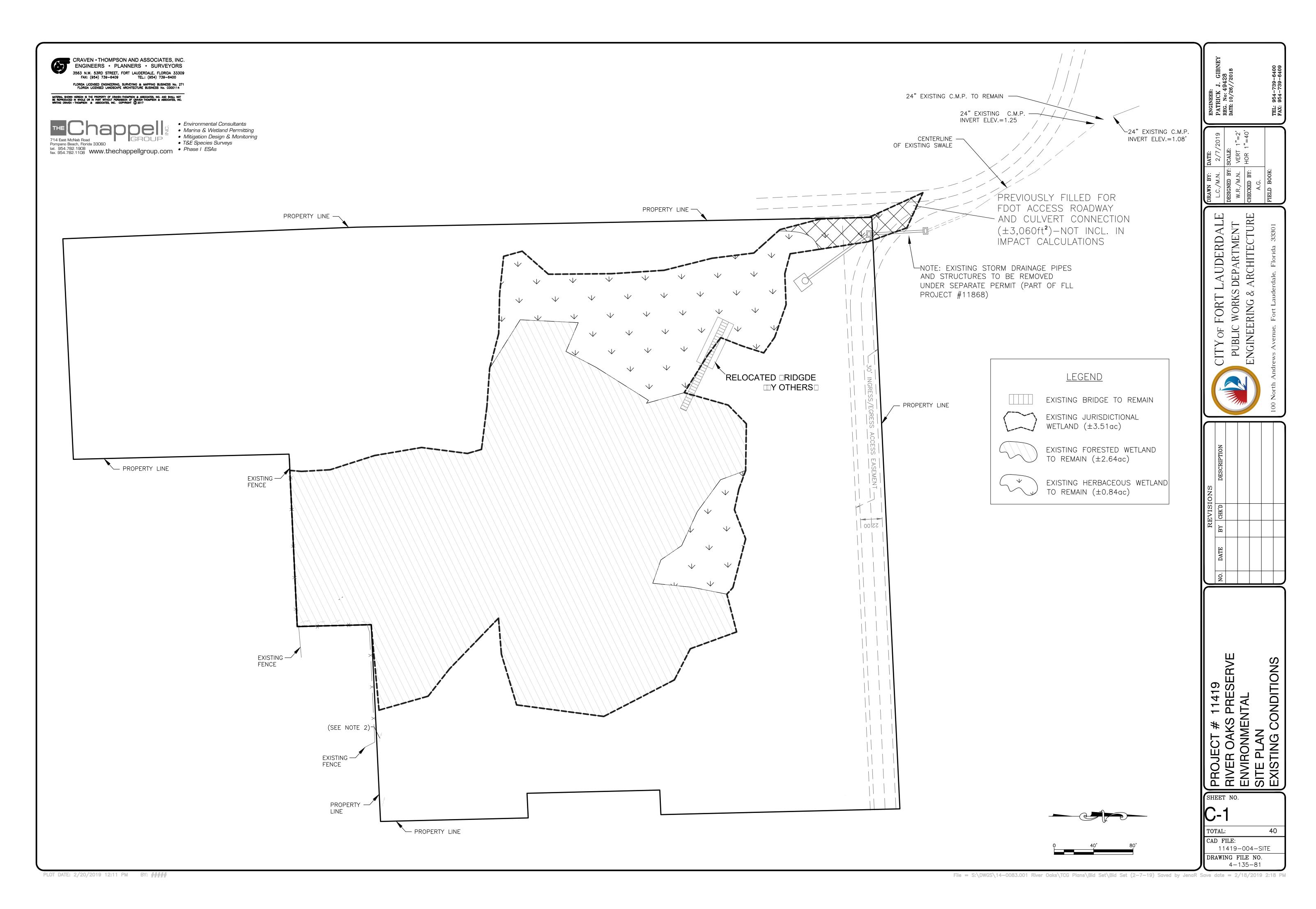
LN = Liner

CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 637 Page 14 of 46

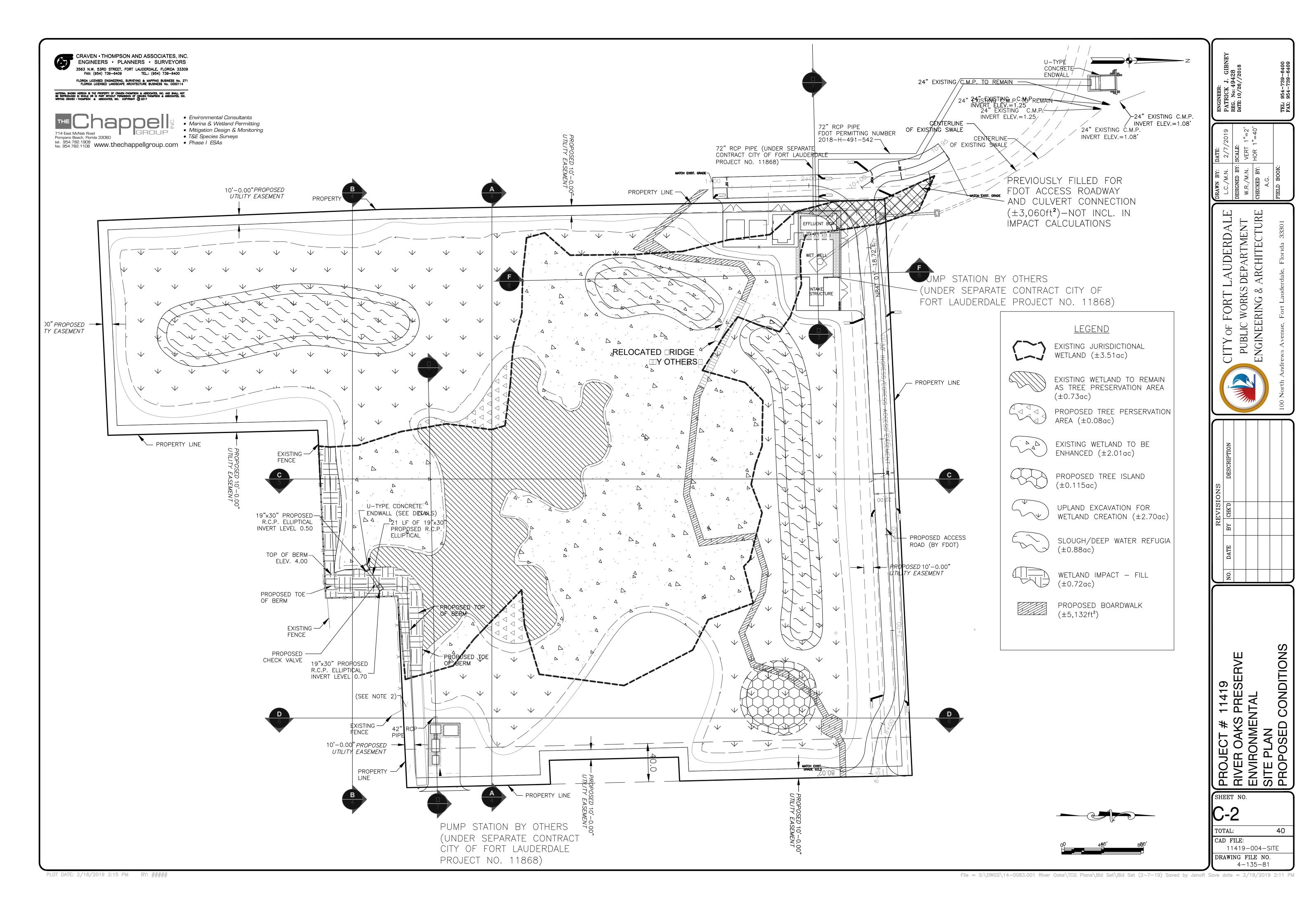
City of Fort Lauderdale



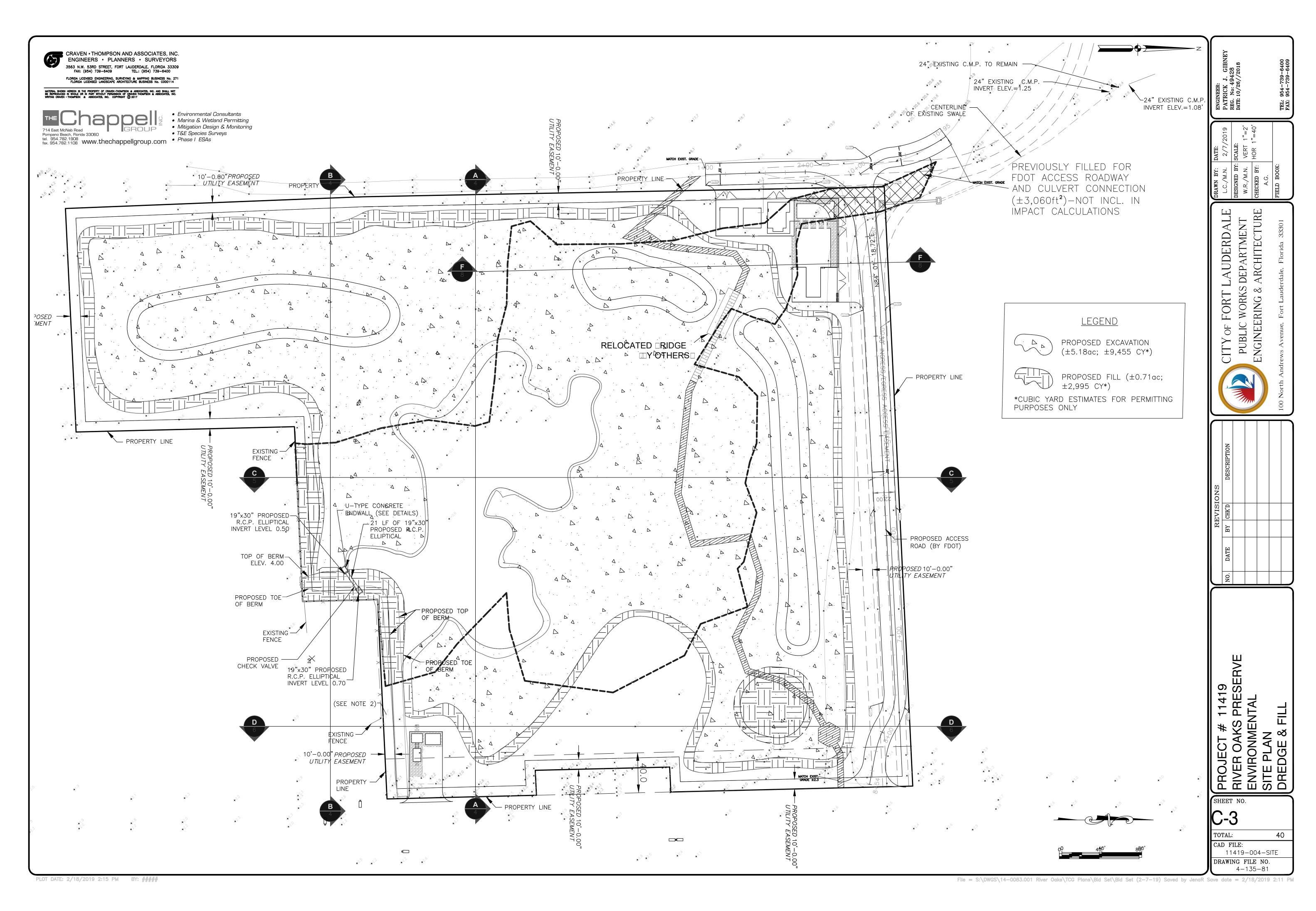
CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 638 Page 15 of 46



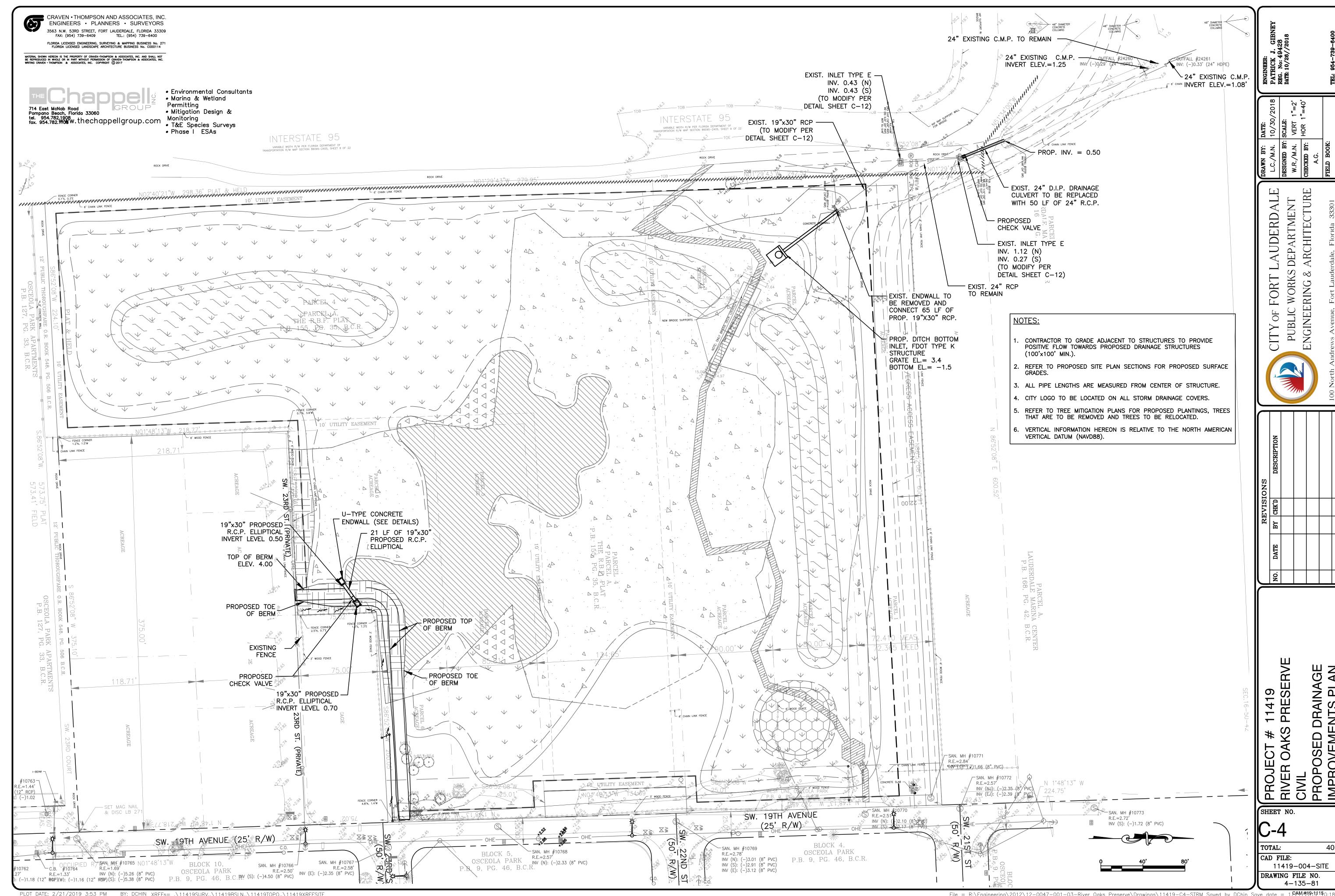
CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 639 Page 16 of 46

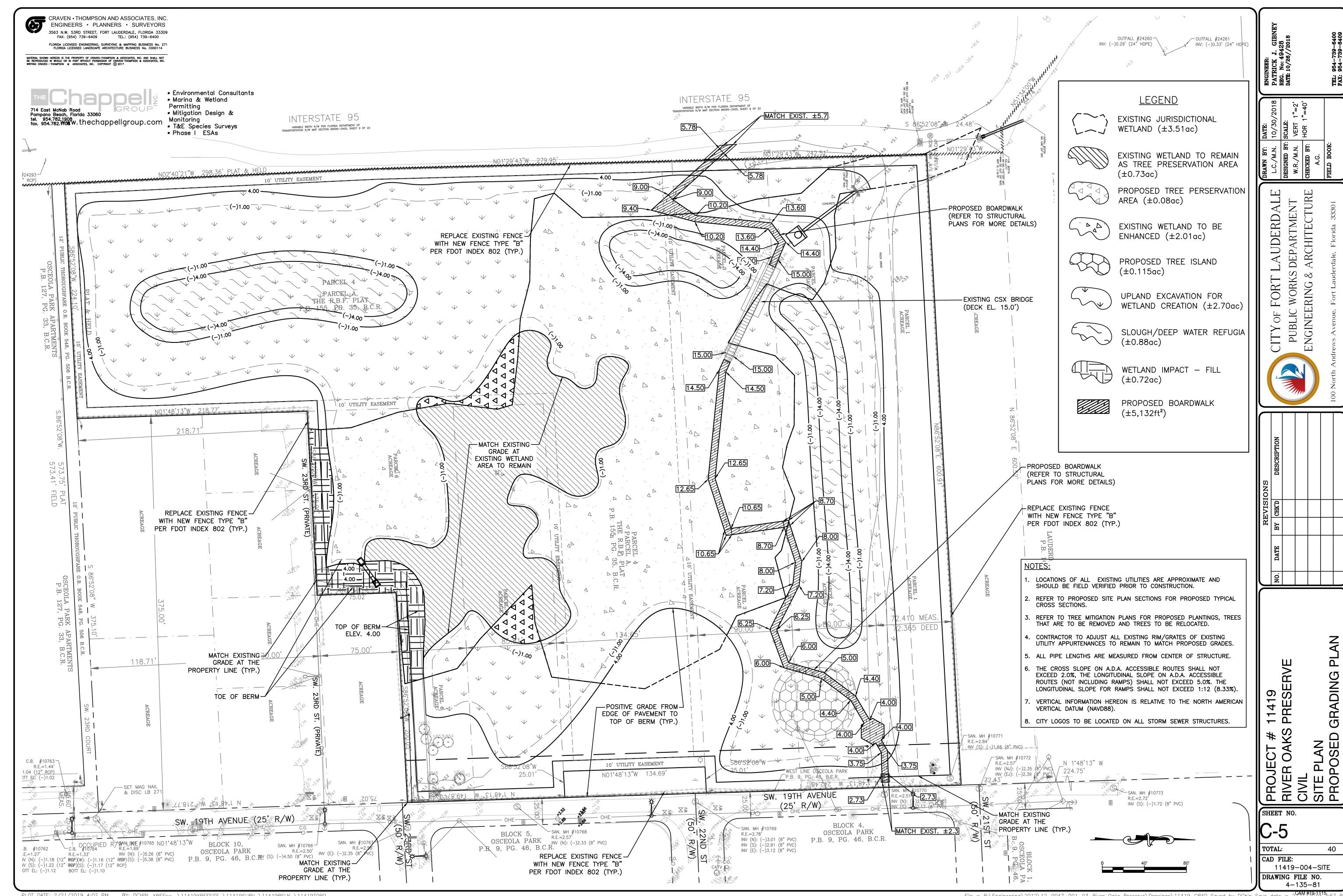


CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 640 Page 17 of 46 City of Fort Lauderdale

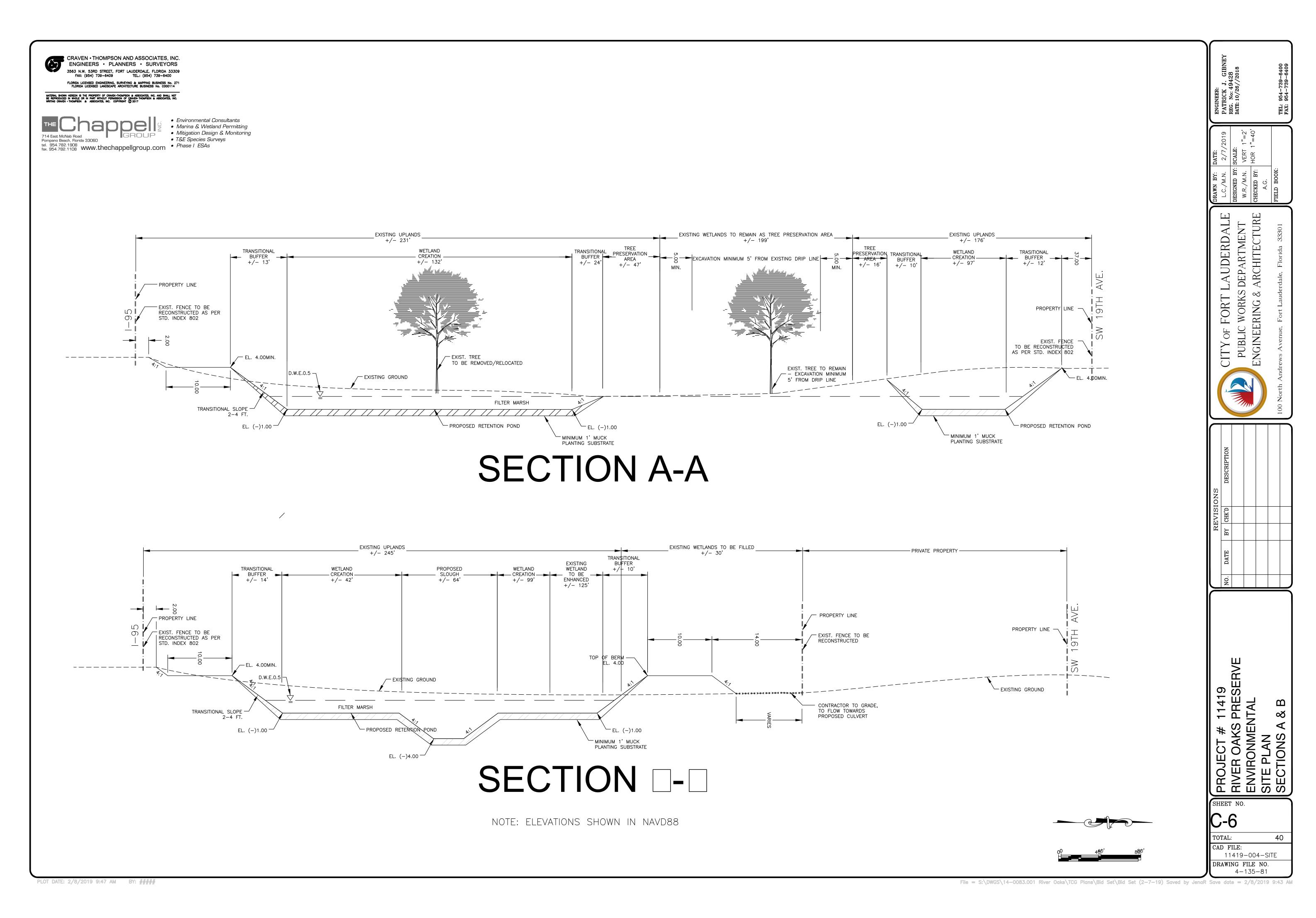


CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 641 Page 18 of 46



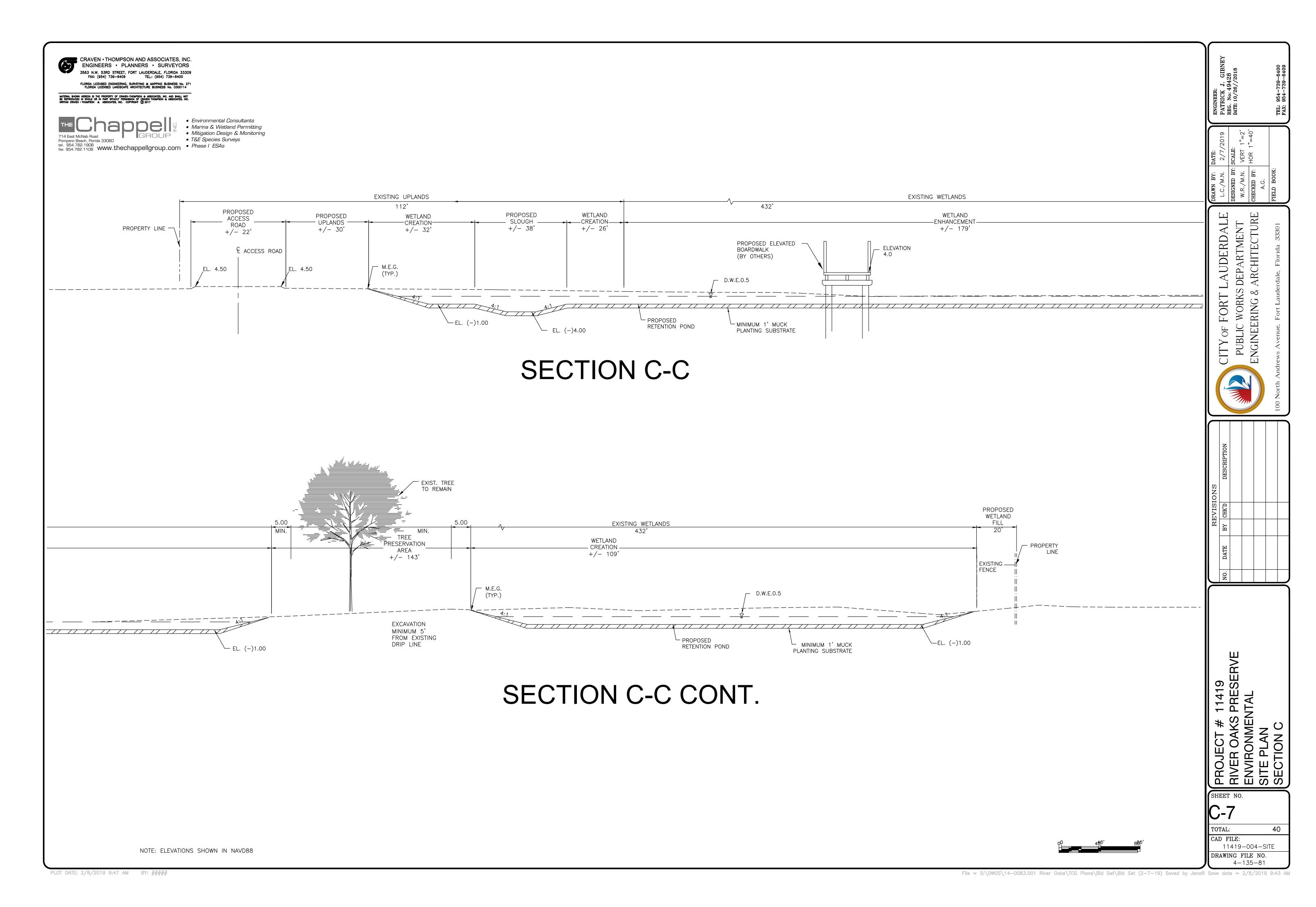


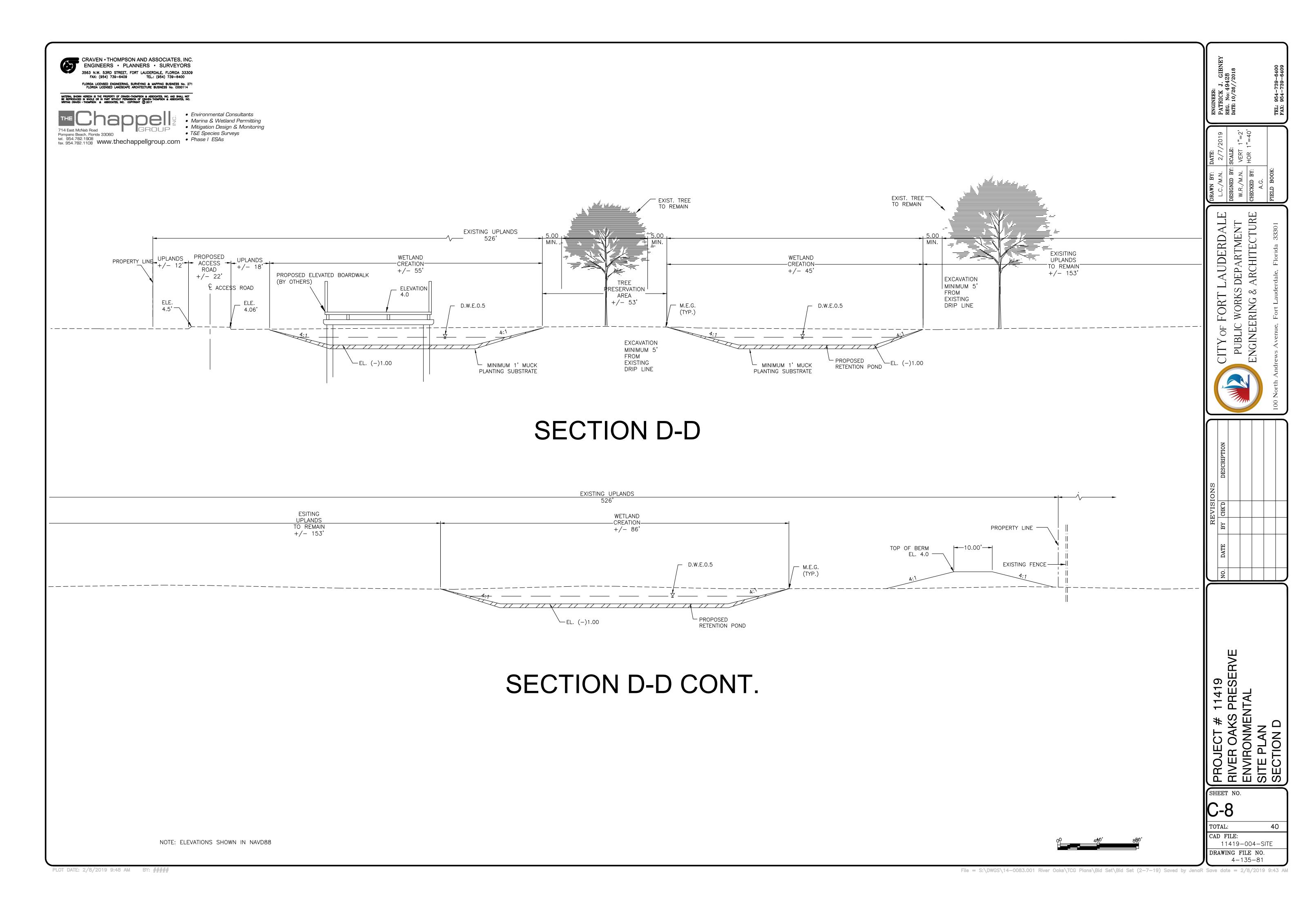
City of Fort Lauderdale



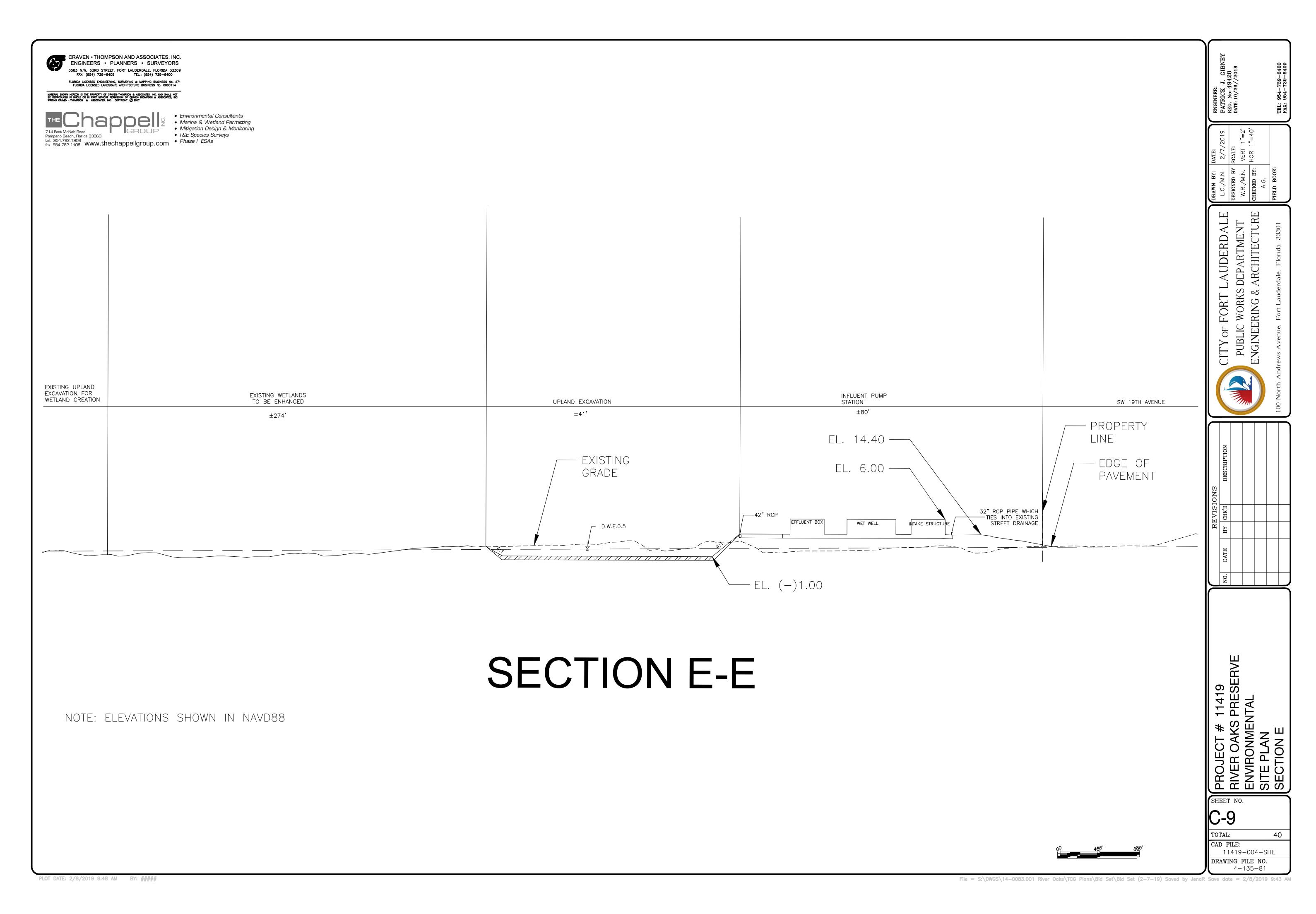
CAM #19-1115
Exhibit 3F - Part 6 of 6 p. 644
Page 21 of 46

City of Fort Lauderdale

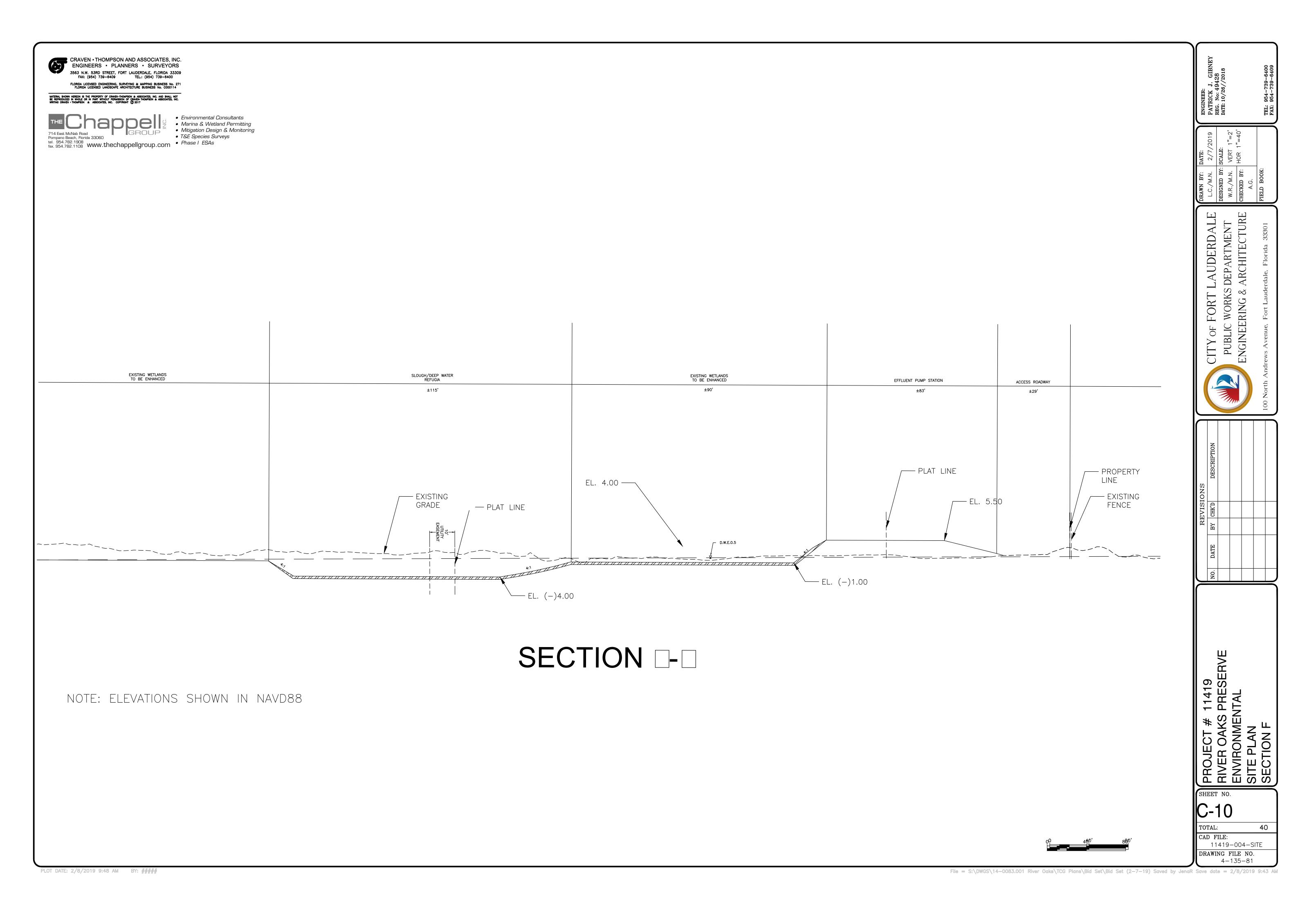




CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 646 Page 23 of 46 City of Fort Lauderdale

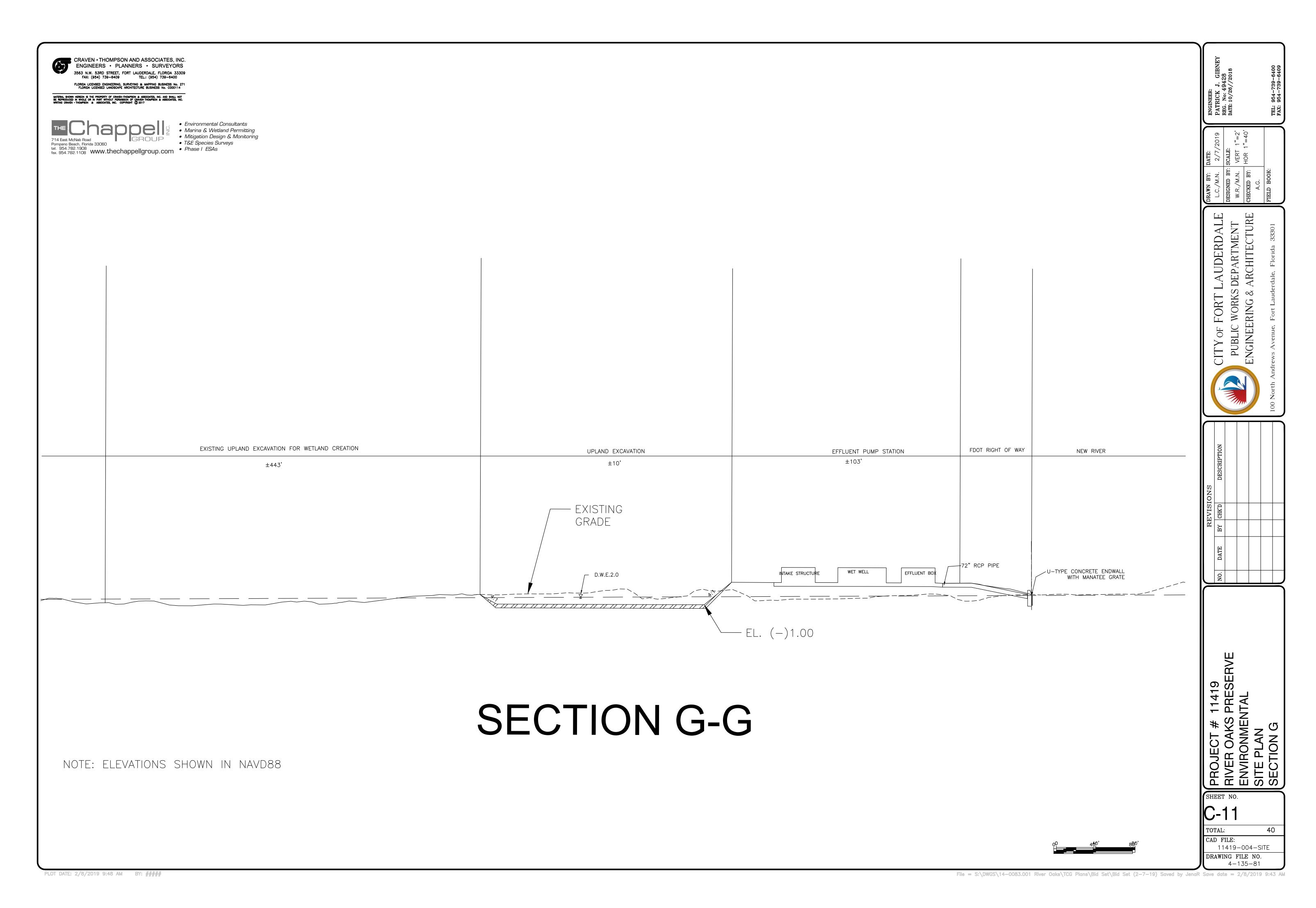


CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 647 Page 24 of 46

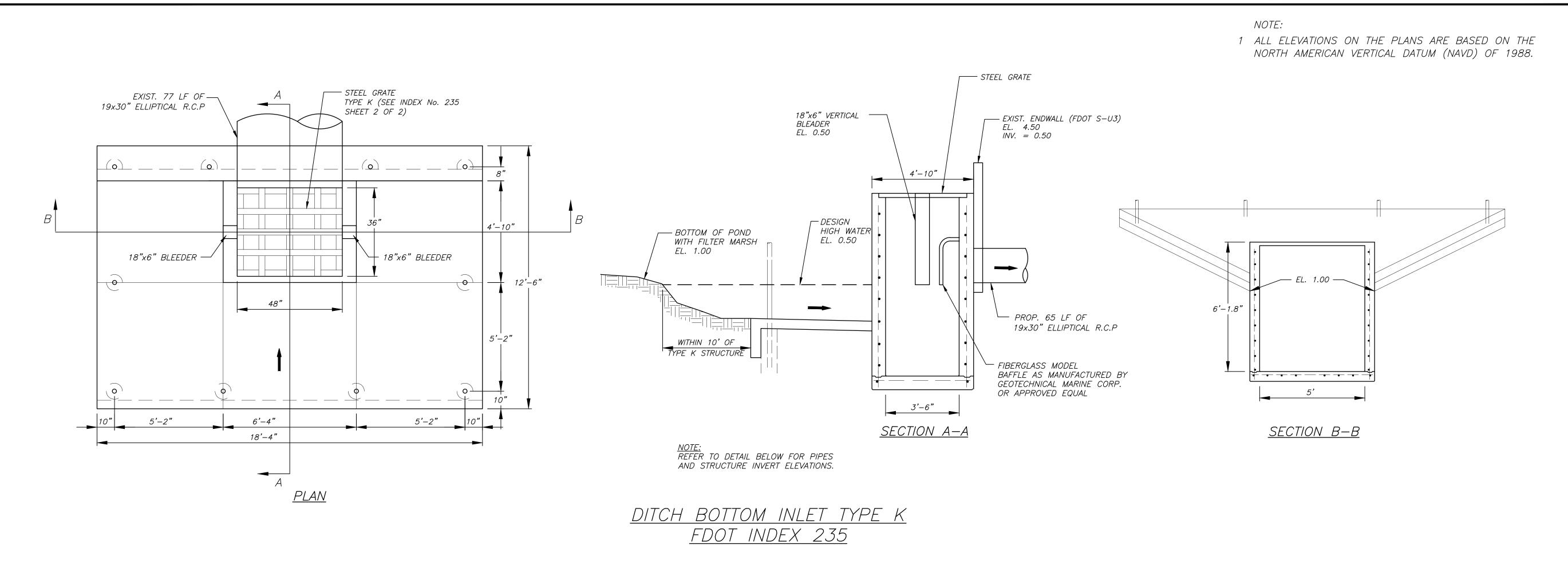


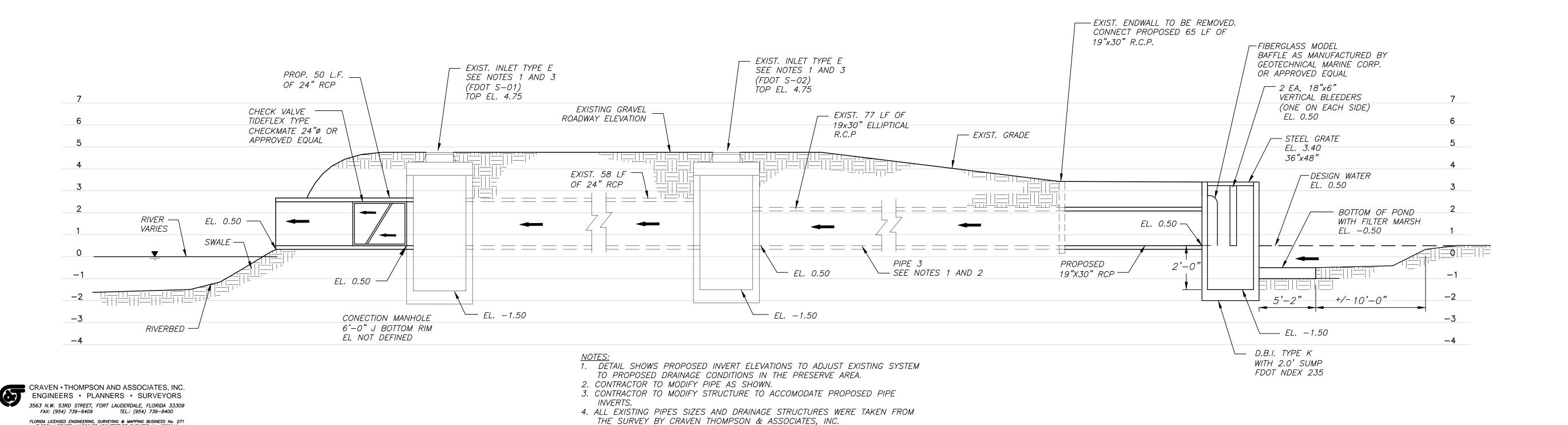
CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 648 Page 25 of 46 City of Fort Lauderdale

Bid 12242-493



CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 649 Page 26 of 46





POND WITH FILTER AND MARSH — OUTFALL DETAIL

D STORMWATER DETAILS ECT # OAKS PROJECT #
RIVER OAKS
CIVIL
PROPOSED S
DRAINAGE D SHEET NO. C-12 TOTAL: CAD FILE: 11419-004-SITE DRAWING FILE NO. 4-135-81 Exhibit 3F - Part 6 of 6 p. 650 Page 27 of 46

ARCHITECTURE

10/22/2019 4:18 PM

• Environmental Consultants

Marina & Wetland

• Phase I ESAs

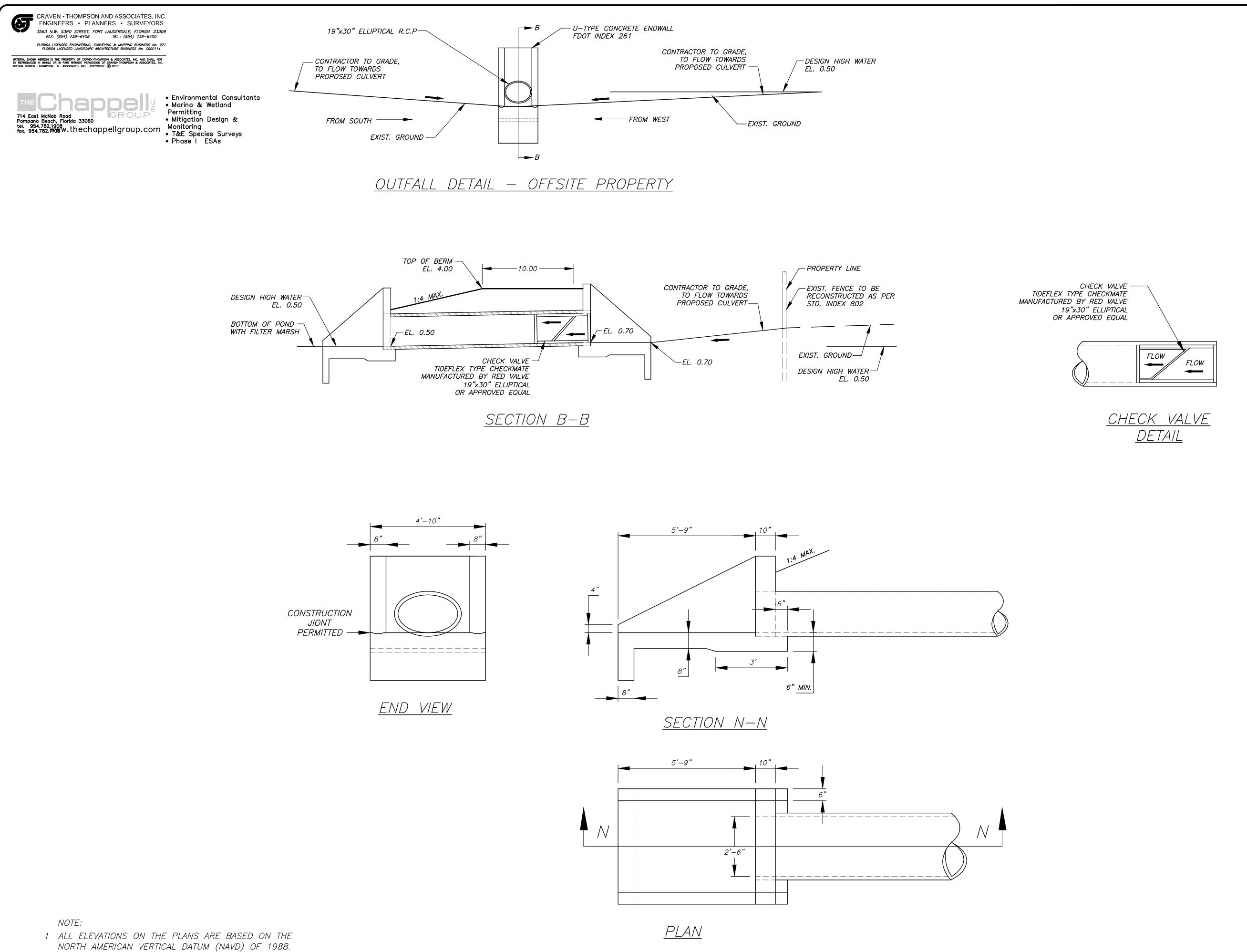
Mitigation Design &

• T&E Species Surveys

Permitting

Monitoring

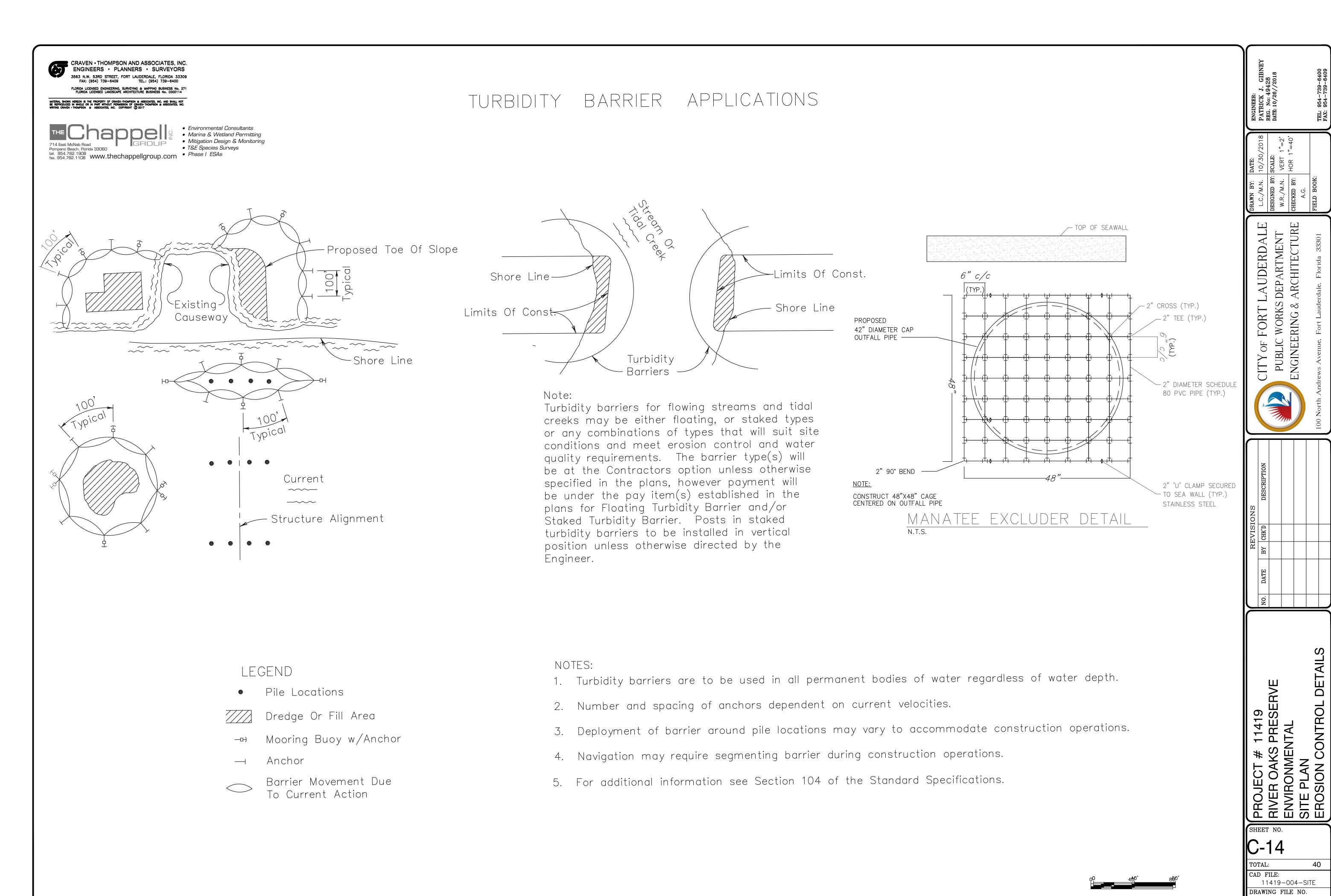
714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782,1908 w.thechappellgroup.com



| SHEET NO. | C-13 | TOTAL: 40 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | TOTAL: 40 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | CAD FILE: 11419-004-SITE | DRAWING FILE NO. 4-135-81 | CAD FILE: 11419-004-SITE | CAD FI

CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE

11419 PRESERVE



4-135-81

CAM #19-1115 Exhibit 3F - Part 6 of 6 p. 652 Page 29 of 46

PLOT DATE: 1/16/2019 6:48 PM BY: #####

Bid 12242-493

ENGINEERING &

11419-004-SITE

CRAVEN • THOMPSON AND ASSOCIATES, INC. PRE-DEMOLITION RESPONSIBILITIES:

GNRL

009

REVISED: 2017/07/13

DEMOLITION NOTES:

GENERAL DEMOLITION SPECIFICATIONS

- THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY.
- PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES AND OTHER FEATURES AFFECTING THE WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MIGHT IMPACT THE WORK.
- 3. CHAPTER 553.851 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATING.
- 4. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES BEFORE EXCAVATION.
- 5. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION, AND EQUIPMENT REQUIRED FOR THE ORDERLY DEMOLITION AND REMOVAL OF EXISTING STRUCTURES, PAVEMENT AND UTILITIES AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN.
- 6. THE CONTRACTOR IS REQUIRED TO FAMILIARIZE HIMSELF WITH THE STRUCTURES TO BE DEMOLISHED.
- THE FOLLOWING LIST OF STRUCTURES REQUIRING DEMOLITION IS INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE DRAWINGS INDICATE THE SCOPE OF DEMOLITION WHERE DEMOLITION IS
- 7.1. DEMOLITION AND REMOVAL OF A 5' MIN.± STRIP OF EXISTING ON-SITE ASPHALT, CONCRETE AND CURBING AROUND THE PERIMETER OF THE EXISTING STRUCTURES AND UTILITIES BEING DEMOLISHED.
- 7.2. REMOVAL OF EXISTING ON-SITE ABOVEGROUND AND UNDERGROUND UTILITIES, INCLUDING REMOVAL OR PLUGGING OF EXISTING UTILITIES AS SHOWN ON PLANS.
- B. PRIOR TO REMOVAL OF ANY UNDERGROUND TANK AND OTHER COMPONENT, CONTRACTOR MUST COMPLETELY DRAIN THE SYSTEMS TO AN APPROVED SANITATION TANK FOR DISPOSAL TO AN APPROVED LOCATION, AS REQUIRED BY DISPOSAL PERMIT.
- 9. PROTECT ALL UTILITIES, UNLESS OTHERWISE NOTED.

DEMOLITION SAFETY:

STRICTLY OBSERVED

PAVEMENT DEMOLITION:

SHALL BE NEW.

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT

10/22/2019 4:18 PM

ENGINEERING DETAILS

vs Avenue, Fort Lauderdale, Florida 33

PRIOR TO RESTORATION.

- 10. ALL THE CONCRETE AND PAVEMENT TO BE REMOVED MUST BE SAW CUT CLEAN PRIOR TO REMOVAL
- 11. WET DOWN MASONRY WALLS AND DEBRIS DURING DEMOLITION AND LOADING OPERATIONS TO PREVENT THE SPREAD OF DUST (AS APPLICABLE TO PROJECT).
- 12. ALL EXISTING STRUCTURES, PAVEMENTS, SLABS, FOUNDATIONS, STEPS AND OTHER ON-SITE EXISTING FEATURES INDICATED ON THE DRAWINGS TO BE REMOVED SHALL BE DEMOLISHED AND REMOVED BY THE CONTRACTOR (AS APPLICABLE TO PROJECT).



ALL DEMOLITION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF

. PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES. EXECUTE THE WORK IN

USE OF AND ACCESS TO ADJACENT BUILDINGS. STREETS AND SIDEWALKS SHALL NOT BE

3. BUILDING MATERIALS TO BE REMOVED SHALL BE TESTED FOR ASBESTOS AND LEAD PAINT.

4. IF PETROLEUM PRODUCTS ARE FOUND WHILE DEMOLISHING, DISPOSE OF PETROLEUM WASTE IN

WHERE EXISTING PAVEMENT IS TO BE REMOVED, SAW-CUT THE SURFACING LEAVING A UNIFORM AND STRAIGHT EDGE WITH MINIMUM DISTURBANCE TO THE REMAINING ADJACENT SURFACING. IF

DEMOLITION RESULTS IN RAVELING OF SAW CUT SURFACE, RECUT BACK FROM THE RAVELED EDGE

WHERE EXISTING PAVEMENT, CURB, CURB AND GUTTER, SIDEWALK, DRIVEWAY, OR VALLEY GUTTER IS

REMOVED FOR INLETS, MANHOLES, APPURTENANCES, FACILITIES OR STRUCTURES, SAID PAVEMENT,

LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, AND OTHER EQUIPMENT AS REQUIRED.

CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS

REQUIRED AS SHOWN ON THE DRAWINGS. HOWEVER, IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, SIDEWALK, BUILDINGS, UTILITIES, ETC., THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPLACEMENT. REPLACEMENT PAVEMENT, SIDEWALK, ETC.,

DEMOLITION NOTES

ETC., SHALL BE REPLACED WITH NEW PAVEMENT, ETC. CONTRACTOR SHALL PROVIDE ALL NECESSARY

UNNECESSARILY BLOCKED BY DEBRIS AND EQUIPMENT.

ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

A MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY AND PREVENT INTERFERENCE WITH THE

TRANSPORTATION (FDOT) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE

THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE FLORIDA DEPARTMENT OF

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY REQUIRED PERMITS FOR DEMOLITION FROM RESPONSIBLE REGULATORY AGENCIES WHILE FULLY ACKNOWLEDGING AND COMPLYING WITH ALL REQUIREMENTS PRIOR TO COMMENCING DEMOLITION WORK.
- 2. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXTENT OF DEMOLITION, RECYCLING OR REUSE REQUIRED TO PERFORM THE CONTRACT WORK FOR THIS PROJECT. THE CONTRACTOR SHALL CONDUCT SITE VISITS AND SHALL EXAMINE ALL THE INFORMATION WITHIN THESE DOCUMENTS. ALL DISCREPANCIES AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID SUBMITTAL.
- THE CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO COMMENCEMENT OF ANY WORK. ACTUAL REMOVAL AND/OR RELOCATION OF ALL EXISTING LANDSCAPING WITHIN DEMOLITION AREAS TO BE CONDUCTED BY A LANDSCAPE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE SITEWORK DEMOLITION CONTRACTOR TO COORDINATE DEMOLITION ACTIVITIES WITH THE LANDSCAPE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND PRESERVING TREES AS INDICATED ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TREE REMOVAL PERMIT OR ANY OTHER APPLICABLE PERMIT TO REMOVE, RELOCATE, OR PRESERVE EXISTING LANDSCAPE AND TREES.
- SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE THE LIGHTING, STORM INLET STRUCTURES, OR OTHER STRUCTURES DESIGNATED TO BE SAVED, THEN THE CONTRACTOR SHALL PROVIDE NEW

DEMOLITION PERMITTING:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT

ENGINEERING DETAILS

GNRL

009

REVISED: 2017/07/13

- 4. ANY TREES FOR REMOVAL FOUND TO BE GREATER THAN OR EQUAL TO THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT (DBH) SHALL REQUIRE A PERMIT WITH THE BROWARD COUNTY ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT (BCEPGMD).
- MATERIALS/STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

DEMOLITION NOTES

SHEET 5

13. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ON THE DRAWINGS ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.

- 14. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO REMOVAL OR RELOCATION OF ANY ELECTRICAL, TELEPHONE, CABLE AND/OR GAS LINES. SUFFICIENT TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
- 15. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER/ENGINEER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINANT IS ENCOUNTERED DURING THE DEMOLITION/EXCAVATION PROCESS.
- 16. FILL FOR LOWER LEVELS OF DEMOLISHED STRUCTURES MAY INCLUDE CONCRETE OR MASONRY RUBBLE RESULTING FROM DEMOLITION, SUBJECT TO THE ENGINEER'S/ARCHITECT'S APPROVAL. RUBBLE SHALL PASS THROUGH A THREE-INCH RING.
- 17. REMOVE AND LEGALLY DISPOSE OF ALL OTHER RUBBISH, RUBBLE, AND DEBRIS. COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS GOVERNING DISPOSAL OF WASTES AND DEBRIS.
- 18. MAINTAIN ACCESS TO SURROUNDING PROPERTIES AND BUILDINGS.
- 19. PRIOR TO DEMOLITION OCCURRING ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
- 20. ALL TRAFFIC SIGNS OUTSIDE THE DEMOLITION AREA ARE TO REMAIN UNLESS OTHERWISE SPECIFIED.
- 21. ANY MUCK ENCOUNTERED UNDER PROPOSED STRUCTURES SHALL BE REMOVED TO FIVE-FEET BEYOND THE FOOTPRINT OF THAT STRUCTURE. BACKFILL WITH APPROVED FILL MATERIAL SATISFYING ALL COMPACTION REQUIREMENTS.
- 22. ALL EXISTING UTILITIES WITHIN THE DEMOLITION SITE AREA SHALL BE ADJUSTED, REMOVED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. WORK SHALL BE COORDINATED BY THE CONTRACTOR DIRECTLY WITH THE APPROPRIATE UTILITY COMPANY. ALL EXPENSES SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
- 23. ALL TRASH, DEBRIS AND OTHER MATERIAL REMOVED FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT	DEMOLITION NOTES	DETAIL NO. GNRL 009
ENGINEERING DETAILS Andrews Avenue, Fort Lauderdale, Florida 33301	SHEET 2	2017/07/13

CITY OF FORT LAUDERDALE

PUBLIC WORKS DEPARTMENT

ENGINEERING DETAILS

GNRL009 - DEMOLITION NOTES Monday, July 17, 2017

DEMOLITION EROSION AND SEDIMENT CONTROL NOTES:

SUBJECT TO THE FINAL DEFINITION BY THE CONTRACTOR WHO SHALL BE SELECTED TO PERFORM THE WORK AND SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND COMPLIANCE.

I. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRE-DEMOLITION

THE OWNER, THE ENGINEER AND THE CONTRACTOR.

DEPICTING EACH PHASE OF THE WORK.

ANY EXISTING UTILITIES NOT SHOWN.

FOR OWNER'S APPROVAL.

CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS,

2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A DEMOLITION SCHEDULE

3. PRIOR TO DEMOLITION, CONTRACTOR TO PROVIDE FOR THE OWNER A LISTING OF THE FACILITIES THE

PRIOR TO DEMOLITION, CONTRACTOR TO PROVIDE THE OWNER SKETCHES SHOWING PROPOSED

5. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND

6. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE CITY AND THE

ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT

8. THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN

9. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL FIELD LOCATE EXISTING

10. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATION'S OF THE VARIOUS EXISTING UTILITIES WITH THE

UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY MANNER TO MINIMIZE IMPACT ON DEMOLITION

SCHEDULE. ANY DELAY CAUSED BY THE CONTRACTOR BY THE RELOCATION OF UTILITIES SHALL BE

BUSINESS DAYS (BUT NOT MORE THAN FIVE) PRIOR TO BREAKING GROUND TO FIND OUT WHERE BURIED

DEMOLITION NOTES

SHEET 3

11. SUNSHINE STATE ONE CALL OF FLORIDA, INC. REQUIRES THE CONTRACTOR TO CALL TWO (2) FULL

FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL

DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE

HAULING ROUTES TO RECYCLING AND DISPOSAL FACILITIES FOR APPROVAL.

MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF DEMOLITION.

FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.

CONTRACTOR. ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY.

INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

FACILITIES (ELECTRICAL, GAS, TELEPHONE, CABLE, WATER) ARE LOCATED.

UNDERGROUND UTILITIES WITH THE UTILITY OWNERS.

CONTRACTOR SHALL UTILIZE FOR RECYCLING AND DISPOSAL OF SPECIFIC MATERIALS. CONTRACTOR

TO INDICATE THE MATERIALS INTENDED FOR RECYCLING AND THE MATERIALS INTENDED FOR DISPOSAL

- 2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A DEMOLITION SCHEDULE DEPICTING EACH PHASE OF THE WORK. THE CONTRACTOR SHALL ALSO BE REQUIRED TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN ENCOMPASSING THE PRINCIPALS AND THE REQUIREMENTS DESCRIBED HEREIN AND A SCHEDULE FOR THEIR IMPLEMENTATION AND MAINTENANCE FOR THE
- DURING DEMOLITION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO ENSURE AGAINST POLLUTING, SILTATION OR DISTURBANCE TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING DRAINAGE SYSTEMS AND ADJACENT WATER BODIES AND WETLANDS, IN COMPLIANCE WITH ALL PERMIT REQUIREMENTS RELATED TO SUCH MEASURES.
- METHODS MAY INCLUDE TEMPORARY EROSION AND SEDIMENT CONTROLS SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, SILT BARRIERS, SILT SCREENS, TURBIDITY BARRIERS OR THE BEST MANAGEMENT
- 5. EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE MAINTAINED THROUGHOUT THE DEMOLITION PERIOD AND UNTIL NEW VEGETATIVE GROWTH HAS BEEN ESTABLISHED.
- THROUGHOUT THE DEMOLITION PERIOD, THE CONTRACTOR SHALL INSPECT DAILY THE EROSION AND SEDIMENT CONTROL INSTALLATIONS FOR FAILURE OR SIGNS OF FAILURE OR MALFUNCTION. REPAIR OR REPLACE THE EROSION AND SEDIMENT CONTROL INSTALLATIONS IMMEDIATELY UPON DISCOVERY OF FAILURE OR MALFUNCTION.
- . INLETS AND CATCH BASINS, EXISTING ON-SITE AND OFF-SITE, SHALL BE PROTECTED FROM SEDIMENT STORM RUNOFF.
- 8. THE CONTRACTOR SHALL PROMPTLY REMOVE ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC ROADS AND FACILITIES DUE TO DEMOLITION.
- 9. DEWATERING ACTIVITIES SHALL NOT RESULT IN ANY DISCHARGE OF TURBID WATER FROM THE PROJECT SITE WITHOUT PROPER EROSION AND SEDIMENT CONTROL AND APPROVAL FROM ENGINEER.
- 10. PHASING OF EROSION CONTROL DEMOLITION SHALL BE RECOMMENDED AS FOLLOWS:
- BARRIERS, ETC.) AROUND ON-SITE FEATURES TO BE RETAINED, AT POINTS OF OFF-SITE DISCHARGE AND AROUND WORK AREAS TO BE EXCAVATED OR FILLED.
- 10.2. REROUTE RUNOFF FROM AREAS OUTSIDE OF THE DEMOLITION AREA TO MINIMIZE FLOW THROUGH AREAS TO BE DISTURBED BY DEMOLITION. BERMS, SWALES AND OTHER MEANS USED FOR SUCH CONVEYANCE SHALL BE VEGETATED AND MEASURES TAKEN TO PROVIDE PROTECTION UNTIL STABILIZATION OCCURS (AS APPLICABLE TO THE PROJECT).

CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT	DEMOLITION NOTES	GNR 009
ENGINEERING DETAILS 100 North Andrews Avenue, Fort Lauderdale, Florida 33301	SHEET 6	2017/07/

GNRL

009

- THE SCHEDULING, SEQUENCING AND CONTROL MEASURES, WHICH ARE OUTLINED HEREIN, ARE
- PROJECT DURATION.
- PRACTICES AVAILABLE TO THE INDUSTRY.

- 10.1. PLACEMENT OF PERIMETER PROTECTIVE MEASURES (SILT FENCE, HAY BALES, TURBIDITY

PLOT DATE: 1/16/2019 9:07 PM BY: DCHIN XREFs= .\11868DETAILS

Exhibit 3F - Part 6 of 6 p. 653 Page 30 of 46

 Marina & Wetland 714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782,1908 w.thechappellgroup.com
fax. 954.782,008 w.thechappellgroup.com

FAX: (954) 739-6409

ENGINEERS • PLANNERS • SURVEYORS

3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 27 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

TEL.: (954) 739-6400

SHEET NO. TOTAL:

CAD FILE: DRAWING FILE NO. 4-135-81

File = R:\Engineering\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419-DT01 Saved by DChin Save date = $\mathbb{C}AM\#12011954:37$ PM

17. DUST GENERATED FROM CONSTRUCTION SHALL BE MINIMIZED BY DAILY WATERING OF THE SITE.

WORK BE PERFORMED WITHOUT THE INTEGRITY OF THE SILT FENCING SECURED.

STORED BY THE CONTRACTOR.

WITH THE SWPPP AND THE PERMIT.

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT

ENGINEERING DETAILS

SEPARATED BY TYPE.

DISPOSAL OF WASTE:

TO WOOD RECYCLING CENTER.

TO ACCUMULATE ON-SITE.

SURFACES AND AREAS.

OTHER PERMITTED DISPOSAL FACILITY.

4. BURNING: DO NOT BURN WASTE MATERIALS.

INITIATION TO THE DATE OF FINAL STABILIZATION.

18. AT ANY TIME DURING CONSTRUCTION THAT THE SILT FENCING IS DISTURBED, THE SILT FENCING SHALL

19. A QUALIFIED INSPECTOR, PROVIDED BY THE CONTRACTOR, SHALL INSPECT ALL POINTS OF DISCHARGE

CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER.

INSPECTION INCLUDES THE WRITTEN RECORDING OF THE CONDITION OF ALL DISCHARGE POINTS,

CONSTRUCTION MATERIAL STORAGE AND DISPOSAL. WRITTEN RECORD OF ALL INSPECTIONS SHALL BE

20. THE INSPECTION REPORT SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING INFORMATION: NAME AND QUALIFICATION OF PERSONNEL MAKING THE INSPECTION, DATE OF INSPECTION, RAINFALL DATE,

OF NONCOMPLIANCE WITH PERMIT. WHERE AN INSPECTION DOES NOT IDENTIFY ANY INCIDENT OF

DOCUMENTATION REQUIRED BY THE PERMIT AT THE CONSTRUCTION SITE, OR AN APPROPRIATE

ALTERNATIVE LOCATION AS SPECIFIED IN THE NOTICE OF INTENT, FROM THE DATE OF PROJECT

22. THE CONTRACTOR SHALL RETAIN THE SWPPP, NOI AND ALL RECORDS ASSOCIATED THEREWITH FOR A

PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED.

24. CONTRACTOR SHALL COORDINATE THROUGH CITY'S CONSTRUCTION DIVISION AND CITY'S PARKS

11. METALS: METALS FROM REINFORCED CONCRETE, REINFORCED MASONRY, STRUCTURAL STEEL MEMBERS, FLASHING AND SHEET METAL, CONDUIT PIPE, SIDING, PIPING AND WIRING SHALL BE

14. SITE-CLEARING WASTE SHALL BE RECYCLED BY CHIPPING BRUSH, BRANCHES AND TREES, THEN HAUL

GENERAL: EXCEPT FOR ITEMS OR MATERIALS TO BE SALVAGED, RECYCLED OR OTHERWISE REUSED,

REMOVE WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN A LANDFILL OR

EXCEPT AS OTHERWISE SPECIFIED, DO NOT ALLOW WASTE MATERIALS THAT ARE TO BE DISPOSED OF

DISPOSAL: TRANSPORT WASTE MATERIALS OFF THE OWNER'S PROPERTY AND LEGALLY DISPOSE OF

REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT SHALL PREVENT SPILLAGE ON ADJACENT

12. STRUCTURAL STEEL: STACK MEMBERS ACCORDING TO THEIR SIZE, TYPE AND LENGTH.

13. NUTS AND BOLTS: REMOVE BOLTS, NUTS, WASHERS AND OTHER ROUGH HARDWARE.

DEPARTMENT ON HOW TO STOCK AND RE-USE EXCAVATED SOIL FROM SITE (AS APPLICABLE TO THE

DEMOLITION NOTES

SHEET 8

009

23. SEE LANDSCAPE PLANS FOR TREE REMOVAL AND LANDSCAPE DEMOLITION.

MAJOR OBSERVATIONS RELATING TO THE SWPPP, ACTIONS TAKEN BY CONTRACTOR AND ANY INCIDENT

NONCOMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE

INTO NEARBY SURFACE WATER. THE INSPECTION SHALL OCCUR AT LEAST ONCE EVERY SEVEN

INTEGRITY OF SILT FENCING, DAILY DUST CONTROL MEASURES, VEHICULAR TRAFFIC AND

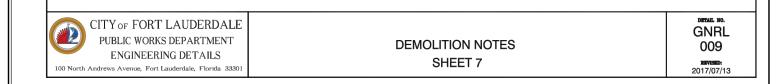
21. THE CONTRACTOR SHALL RETAIN A COPY OF THE SWPPP AND ALL REPORTS, RECORDS AND

BE RESTORED TO ITS ORIGINAL STATE WITHIN 24 HOURS. AT NO TIME DURING CONSTRUCTION SHALL

- STRIPING FOR THIS PURPOSE MAY ACCELERATE BERM REVEGETATION. CONSTRUCT TEMPORARY OUTLETS FOR CONTAINMENT AREAS WITH SCREENS, HAY BALES, SETTLING BASINS OR OTHER MEASURES TO PREVENT SILT TRANSPORT.
- 10.4. SELECT / DESIGNATE ACCESS ROUTING FOR DEMOLITION EQUIPMENT AND VEHICLES AND PROVIDE PERIMETER PROTECTIVE MEASURES WHERE EXISTING TERRAIN SHALL BE SUBJECT TO DISRUPTION BY SUCH TRAFFIC.
- 10.5. CONSTRUCT ABOVE GROUND OR OTHER CONTAINMENT AREAS FOR DEMOLITION AREA RUNOFF. PROVIDE SCREENS, HAY BALES, ETC. TO FILTER DISCHARGE FROM THOSE AREAS.
- PROTECTIVE CONTAINMENT MEASURES IN THE WORK AREA ARE APPLIED.

10.6. SPOIL MOUNDS SHALL NOT BE LEFT FOR MORE THAN ONE WEEK PRIOR TO REPLACEMENT UNLESS

- 10.7. GRASSING, SODDING, ETC. SHALL BE IN PLACE IMMEDIATELY UPON COMPLETION OF REGRADING, SWALE SLOPES AND THE CONSTRUCTED OR DISTURBED AREAS.
- 11. THE CONTRACTOR IS REQUIRED TO ADHERE TO THE REQUIREMENT OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES). THE CONTRACTOR SHALL INSTITUTE BEST MANAGEMENT PRACTICES (BMPS) TO ENSURE COMPLIANCE WITH THE NPDES PROGRAM AND TO MINIMIZE THE IMPACT TO PUBLIC STORMWATER FACILITIES. A NOTICE OF INTENT (NOI) SHALL BE FILED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
- 12. THE CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND MAINTAIN ALL RECORDS REQUIRED BY ITS NPDES STORMWATER PERMIT FOR ITS CONSTRUCTION
- 13. PRIOR TO CONSTRUCTION. A SILT FENCE IN ACCORDANCE WITH CITY'S DETAIL SHALL BE ERECTED AS NOTED ON PLANS. ALL PROPOSED CATCH BASINS SHALL HAVE THEIR INLETS PROTECTED BY THE INSTALLATION OF FILTER INLET INSERTS INTO THE FRAME AND GRATE. SILT FENCES AND FILTER INLET INSERTS SHALL REMAIN IN PLACE DURING THE ENTIRE DURATION OF CONSTRUCTION.
- 14. CONTRACTOR SHALL BRACE ALL EXISTING LANDSCAPING TO REMAIN PRIOR TO BEGINNING ANY WORK AND SHALL ENSURE ITS STABILIZATION THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EXISTING SOD DISTURBED BY CONSTRUCTION THAT IS NOT AFFECTED BY PROPOSED GRADING SHALL BE RESTORED TO NEW CONDITION UPON COMPLETION OF CONSTRUCTION. SODDED SLOPES STEEPER THAN FOUR HORIZONTAL TO ONE VERTICAL SHALL BE PEGGED.
- 15. ALL WASTE GENERATED FROM THE CONSTRUCTION SHALL BE DISCARDED IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. CONTRACTOR SHALL OBTAIN ALL APPLICABLE CODES AND BECOME FAMILIAR WITH STATE, LOCAL AND FEDERAL REGULATIONS PRIOR TO BEGINNING CONSTRUCTION.
- 16. TO ENSURE THAT OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST IS MINIMIZED, CONTRACTOR SHALL PUT INTO PRACTICE THE METHODS DETAILED IN FLORIDA DEPARTMENT OF TRANSPORTATION INDEX 106 (2010 DESIGN STANDARDS) AND BMPS.



WASTE MANAGEMENT PLAN:

- IMPLEMENT A WASTE MANAGEMENT PLAN FOR APPROVAL BY THE OWNER. PROVIDE HANDLING, CONTAINERS, STORAGE, SIGNAGE, TRANSPORTATION AND OTHER ITEMS AS NEEDED TO IMPLEMENT THE WASTE MANAGEMENT PLAN DURING THE ENTIRE DURATION OF THE CONTRACT.
- DESIGNATE A WASTE MANAGEMENT COORDINATOR TO BE RESPONSIBLE FOR IMPLEMENTING, MONITORING AND REPORTING STATUS OF WASTE MANAGEMENT WORK PLAN. COORDINATOR SHALL BE PRESENT AT PROJECT SITE FULL-TIME FOR DURATION OF PROJECT.
- TRAIN WORKERS, SUBCONTRACTORS AND SUPPLIERS ON PROPER WASTE MANAGEMENT PROCEDURES, AS APPROPRIATE FOR THE WORK AT THE PROJECT SITE.
- DISTRIBUTE A WASTE MANAGEMENT PLAN BEFORE WORK BEGINS. REVIEW PLAN PROCEDURES AND LOCATION ESTABLISHED FOR SALVAGE, RECYCLING AND DISPOSAL.

RECYCLING DEMOLITION WASTE:

- SEPARATE RECYCLABLE WASTE FROM OTHER WASTE MATERIALS, TRASH AND DEBRIS. SEPARATE RECYCLABLE WASTE BY TYPE AT THE PROJECT SITE TO THE MAXIMUM EXTENT PRACTICAL.
- PROVIDE APPROPRIATELY MARKED CONTAINERS OR BINS FOR CONTROLLING RECYCLABLE WASTE UNTIL THEY ARE REMOVED FROM THE PROJECT SITE. INCLUDE A LIST OF ACCEPTABLE AND UNACCEPTABLE MATERIALS AT EACH CONTAINER AND BIN.
- INSPECT CONTAINERS AND BINS FOR CONTAMINATION AND REMOVE CONTAMINATED MATERIALS IF FOUND.
- STOCKPILE PROCESSED MATERIALS ON-SITE WITHOUT INTERMIXING WITH OTHER MATERIALS. PLACE, GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST.
- STOCKPILE MATERIALS AWAY FROM DEMOLITION AREA. DO NOT STORE WITHIN DRIP LINE OF REMAINING
- 6. STORE COMPONENTS OFF THE GROUND AND PROTECT FROM THE WEATHER.
- REMOVE RECYCLABLE WASTE OFF THE OWNER'S PROPERTY AND TRANSPORT TO RECYCLING RECEIVER OR PROCESSOR.
- 8. ASPHALTIC CONCRETE PAVING: BREAK UP AND TRANSPORT PAVING TO ASPHALT RECYCLING FACILITY.
- 9. CONCRETE: REMOVE REINFORCEMENT AND OTHER METALS FROM CONCRETE AND SORT WITH OTHER METALS.
- 10. MASONRY: MASONRY WASTE SHALL INCLUDE WHOLE OR BROKEN BRICK AND CONCRETE MASONRY UNITS. WHOLE MASONRY UNITS SHALL BE CLEANED AND REUSED OR DONATED. BROKEN MASONRY SHALL BE CRUSHED AND USED AS FILL FOR OFFSITE AREAS. REMOVE METAL REINFORCEMENT, ANCHORS AND TIES FROM MASONRY AND SORT WITH OTHER METALS.

CITY of FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS 00 North Andrews Avenue, Fort Lauderdale, Florida 333

10/22/2019 4:18 PM

DEMOLITION NOTES SHEET 10

GNRL 009 **REVISED:** 2017/07/13

CITY of FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS 100 North Andrews Avenue, Fort Lauderdale, Florida 33

DEMOLITION NOTES SHEET 11

INTERRUPTION OF EXISTING UTILITIES:

- ANY DEMOLITION WORK THAT REQUIRES INTERRUPTION OF SERVICE TO ANY CUSTOMER SHALL BE DONE SO WITH A MINIMUM OF SEVENTY-TWO (72) HOUR WRITTEN NOTICE TO, AND WRITTEN APPROVAL BY, THE APPROPRIATE UTILITY COMPANY.
- THE CONTRACTOR SHALL ARRANGE A MEETING WITH THE LOCAL JURISDICTIONAL AGENCIES AND OTHER GOVERNING AGENCIES, AND OTHER AFFECTED UTILITIES PRIOR TO SCHEDULING THE SHUT DOWN TO ASSESS THE SCOPE OF WORK.
- ALL SYSTEM SHUT DOWNS SHALL BE SCHEDULED BY THE CONTRACTOR AT SUCH TIME THAT SYSTEM DEMAND IS LOW. THIS GENERALLY REQUIRES NIGHT TIME WORK BY THE CONTRACTOR AND REQUIRES FULL-TIME INSPECTION BY A REPRESENTATIVE OF THE UTILITY. ALL COST FOR OVERTIME WORK BY THE REPRESENTATIVE OF THE UTILITY SHALL BE BORNE BY THE CONTRACTOR.
- EACH CUSTOMER AFFECTED BY THE SHUT-DOWN SHALL BE PROVIDED, MINIMUM, FORTY-EIGHT (48) HOURS WRITTEN NOTIFICATION BY THE CONTRACTOR.

TEMPORARY DEMOLITION FACILITIES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING DEMOLITION.
- MAINTENANCE OF TRAFFIC (MOT) IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
- ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS WRITTEN PERMISSION OF THE CITY OR RESPECTIVE GOVERNING AGENCY.

CITY of FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS

DEMOLITION NOTES SHEET 9

009

CRAVEN • THOMPSON AND ASSOCIATES, INC. ENGINEERS • PLANNERS • SURVEYORS 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309 FAX: (954) 739-6409 TEL.: (954) 739-6400

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 27 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

Marina & Wetland

714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782,1908 w.thechappellgroup.com
fax. 954.782.W08 w.thechappellgroup.com

CAD FILE: 11419-004-SITE DRAWING FILE NO.

PLOT DATE: 1/16/2019 9:05 PM BY: DCHIN XREFs = .\11868DETAILS

File = R:\Engineering\2012\12-0047-001-03-River Oaks Preserve\Drawings\11419-DT02 Saved by DChin Save date = CAM6#12011959:04 PM

Exhibit 3F - Part 6 of 6 p. 654 Page 31 of 46

4-135-81

PR(RIV STC CIT

GNRL

009

REVISED: 2017/07/17

TRAFFIC CONTROL PLAN NOTES:

- THE TRAFFIC CONTROL PLANS FOR THE PROJECT SHALL COMPLY WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX NO. 600-660. MUTCD AND THE STANDARD SPECIFICATIONS. THE CONTRACTOR'S RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS SHALL BE NO MORE THAN TWO (2) HOURS AND SHALL RESTORE ALL MALFUNCTIONING TRAFFIC SIGNAL EQUIPMENT TO ITS LEVEL OF OPERATION PRIOR TO THE MALFUNCTIONING WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME THE CONTRACTOR SHALL PROVIDE AT HIS EXPENSE TEMPORARY TRAFFIC CONTROL DEVICES, FLAGGLER PERSONNEL AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE AFFECTED WORK ZONE. THE ENGINEER OR THE CITY OF FORT LAUDERDALE SHALL APPROVE ALL MODIFICATIONS PRIOR TO THEIR IMPLEMENTATION.
- THE CONTRACTOR SHALL MAINTAIN PROPER OPERATION OF ALL TRAFFIC SIGNAL LOOP ASSEMBLIES AND LOOP DETECTORS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CORRECT ALL LOOP ASSEMBLY/DETECTOR MALFUNCTIONS WITHIN 24 HOURS OF NOTIFICATION OF SUCH MALFUNCTIONS BY THE ENGINEER.
- 3. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING.
- 4. A REGULATORY SPEED OF 25 MPH SHALL BE POSTED WITHIN THE LIMITS OF THE WORK ZONE.
- 5. EXISTING SIGNS AND PAVEMENT MARKINGS THAT CONFLICT WITH CONSTRUCTION SIGNS AND MARKINGS SHALL BE REMOVED DURING CONSTRUCTION. ALL EXISTING SIGNS THAT ARE REMOVED SHALL BE STOCKPILED IN A SECURE PLACE AND REINSTALLED AFTER CONSTRUCTION. REMOVE AND REPLACE ANY GROUND MOUNT SIGN BY USE OF INDEX NO. 611.
- 6. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND PREVENT ADVERSE FLOODING OF THE TRAVEL LANES DURING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE CITY OF FORT LAUDERDALE FOR ANY AND ALL CONSTRUCTION ACTIVITIES TO BE PERFORMED AT NIGHT. NO LANE CLOSURE SHALL BE ALLOWED BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM, MONDAY THROUGH FRIDAY UNLESS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. SEE SPECS FOR LIST OF UTILITY COMPANIES.
- 9. TRAFFIC CONTROL ON ALL COUNTY RIGHTS-OF-WAY SHALL MEET THE ADDITIONAL REQUIREMENTS OF THE BROWARD COUNTY ENGINEERING DEPARTMENT.
- 10. CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC PLAN (MOT) WHERE REQUIRED BY FEDERAL, STATE, COUNTY, OR LOCAL AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS AND PERMITS ASSOCIATED WITH THE MOT'S. ALL MOT'S TO BE ATS CERTIFIED.
- 11. THE CONTRACTOR SHALL ALSO COORDINATE THE CONSTRUCTION SCHEDULE WITH FDOT, BROWARD COUNTY AND THE CITY OF FORT LAUDERDALE TO AVOID LANE CLOSURES WHICH WOULD ADVERSELY AFFECT TRAFFIC DURING RUSH HOUR.

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS 00 North Andrews Avenue, Fort Lauderdale, Florida 3

TRAFFIC CONTROL PLAN NOTES

GNRL 002 **REVISED:** 2017/07/13

FDOT GENERAL NOTES:

- 1. ALL MATERIALS AND CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (2010 EDITION). STANDARD SPECIFICATIONS (2010 EDITION) AND THE SUPPLEMENTS THERETO.
- THE APPLICANT'S ENGINEER RESPONSIBLE FOR CONSTRUCTION INSPECTION SHALL INSURE THAT THE MAINTENANCE OF TRAFFIC PLAN (MOT) FOR THE PROJECT IS IN ACCORDANCE WITH THE APPLICABLE FDOT INDEX NUMBER (600 SERIES) AND THIS DOCUMENT: THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (D.S. DEPARTMENT OF TRANSPORTATION, FHWA).
- 3. AT THE END OF EACH WORK PERIOD, ANY DROP-OFF IN THE AREA ADJACENT TO THE TRAVEL WAY OF THE STATE ROAD SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER WALL AT THE CONTRACTOR'S EXPENSE.
- 4. IF THE PERMITTED WORK IS ON A ROADWAY THAT HAS BEEN SELECTED AS A HURRICANE OR DISASTER EVACUATION ROUTE. THE APPLICANT, AT THE PRE-CONSTRUCTION CONFERENCE IS REQUIRED TO PRESENT, AS PART OF THE WORK PLAN, AN EMERGENCY FUNCTIONAL RESTORATION PLAN TO ADDRESS EVENTUALITIES SUCH AS HURRICANES.
- THE CONTRACTOR MUST CALL THE APPROPRIATE COUNTY TRAFFIC ENGINEERING DIVISION. HAVING JURISDICTION OVER THE PROJECT AT LEAST 48 HOURS, BEFORE ANY EXCAVATION WITHIN THE FDOT RIGHT-OF-WAY TO DETERMINE THE LOCATION OF THE EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE.
- THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION DURING CONSTRUCTION. RELOCATION OF UTILITIES SHALL BE COORDINATED WITH UTILITY COMPANIES AFTER IDENTIFICATION OF CONFLICT BY CONTRACTOR. CONTRACTOR WILL NOTIFY ENGINEER IN ADVANCE BEFORE ANY RELOCATION.
- BEFORE PERMIT APPROVAL AND CONSTRUCTION OF THIS PROJECT, THE APPLICANT MUST CONTACT THE FLORIDA DEPARTMENT OF TRANSPORTATION LOCAL MAINTENANCE OFFICE TO SCHEDULE A PRE-CONSTRUCTION MEETING. THE TELEPHONE NUMBER IS 954-776-4300 OR 1-800-300-8236. THE APPLICANT AT THE EARLIEST CONVENIENT TIME SHALL NOTIFY IN WRITING ALL RIGHT-OF-WAY USERS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
- ALL MOT LANE CLOSURE SIGNS SHALL BE COVERED WHEN LANES ARE NOT CLOSED. NO LANES ARE TO BE CLOSED EXCEPT AT TIMES PRESCRIBED BY THE DEPARTMENT.
- 9. SODDING SHALL BE IN ACCORDANCE WITH SECTION 575.

2. CONTRACTOR SHALL TRIM (VIA SAWCUT) POROUS CONCRETE PANELS TO NO MORE THAN 6" ON ANY END.

3. NO POROUS CONCRETE PANEL SHALL BE LESS THEN 4' IN LENGTH WITHOUT THE ENGINEER'S APPROVAL

- 10. ALL CURB CUT RAMPS MUST FACE IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- 11. SPECIFY THE ALPHANUMERIC IDENTIFICATION FOR THE CURB CUT RAMPS PER STANDARD INDEX 304. A COPY OF THE APPROPRIATE DETAIL(S) MUST BE SHOWN ON THE PLANS.
- 12. FLAGGERS MUST BE PRESENT DURING THE INGRESS AND EGRESS OF CONSTRUCTION VEHICLES TO AND FROM THE PROJECT SITE. WARNING SIGNS MUST BE ERECTED ADVISING MOTORIST OF TRUCKS ENTERING THE HIGHWAY.

1. FOR RIGHT-OF-WAY (ROW) GREEN INFRASTRUCTURE (GI) FACILITIES WITH DIMENSIONS THAT DEVIATE FROM THE GI STANDARDS AS SHOWN ON CONTRACT PLANS DUE TO 2. THE BOTTOM OF THE GI FACILITY SHOULD BE NO LESS THAN 6" ABOVE OF THE SEASONAL HIGH WATER TABLE (SHWT) AND THE UNDERDRAIN SHOULD BE NO LESS THAN 12"

5. CONTRACTOR SHALL INSTALL #57 STONE IN LIFTS OF 12" (MAX) AND SHALL MAKE TWO PASSES OF A PLATE COMPACTOR (200 LBS MIN) OVER EACH LIFT PRIOR TO

1. THE LOWEST PLANTING MEDIA SURFACE IN STORMWATER BUMP-OUTS SHOULD BE LEVEL ALONG THE ALIGNMENT OF THE STREET, A MILD SLOPE NO GREATER THAN 1

2 WITH THE EXCEPTION OF TREES MAXIMUM VEGETATION HEIGHT AT MATURITY SHOULD BE NO GREATER THAN 36" ABOVE THE SURROUNDING SIDEWALK ELEVATION UNLESS OTHERWISE APPROVED BY THE ENGINEER, PLANT SELECTION AND PLACEMENT SHOULD BE DONE TO PREVENT ENCROACHMENT OF PLANTS OUTSIDE OF LIMITS OF THE STORMWATER BUMP-OUT AND IN CONSIDERATION OF MAINTAINING ADEQUATE SIGHT LINES BASED ON THE PLACEMENT OF THE STORMWATER

ALTHOUGH NOT SHOWN, EXTENDING THE VEGETATED AREA OF A BUMP-OUT INTO THE LIMITS OF THE SIDEWALK IS PERMITTED WHERE SHOWN ON THE CONTRACT DRAWINGS. HOWEVER, ANY REQUIREMENTS/GUIDELINES FOR OTHER STORMWATER CONTROLS LOCATED IN THE SIDEWALK APPLY.

2. NO TREE SHALL BE REMOVED BY THE CONTRACTOR UNTIL SPECIFICALLY ORDERED IN WRITING TO DO SO BY THE ENGINEER AND WITH APPROVAL FROM THE CITY.

4. REPLACEMENT TREES SHALL BE PLANTED WITHIN THE PROJECT AREA AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH STANDARD HIGHWAY SPECIFICATION

3. TREES SHALL BE STAKED. TREE STAKES ARE TO BE REMOVED BY THE CONTRACTOR NOT LESS THAN ONE YEAR AFTER PLANTING

THE CONTRACTOR SHALL OBTAIN THE NECESSARY TREE PLANTING PERMIT FROM THE CITY PRIOR TO THE START OF WORK. ALL NECESSARY TREE PLANTING SHALL BE

PERCENT IS ACCEPTABLE BUT A LEVEL SURFACE IS RECOMMENDED. IF SURROUNDING SLOPES ARE STEEP, IMPERMEABLE BARRIERS SUCH AS SURFACE CHECK DAMS CAN HELP MAINTAIN A LEVEL SURFACE, AS SHOWN ON CONTRACT DRAWINGS. NOTE THIS DOES NOT APPLY TO THE CROSS-GRADING, IF USED, FROM THE PERIMETER OF THE

6. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR TO REPLACE ANY CURB OR DRIVEWAY APRON THAT IS DAMAGED DURING CONSTRUCTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS rth Andrews Avenue, Fort Lauderdale, Florida 333

3. SEE RELATED GI SPECIFICATIONS

MAXIMUM JOINT SPACE IS 1

STORMWATER BUMP-OUT:

INSTALLATION OF #8 LEVELING COURSE.

BUMP-OUT DOWN TO THE LOWEST PLANTING MEDIA SURFACE.

GENERAL NOTES

FDOT GENERAL NOTES

GNRL 003

DRAINAGE NOTES:

- DRAINAGE PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) OR REINFORCED CONCRETE (RCP). THE USE OF RCP PIPE FOR PUBLIC ROADWAY CROSSINGS IS PREFERRED.
- CATCH BASINS, INLETS AND JUNCTION BOXES SHALL NOT BE INSTALLED IN DRIVEWAYS.
- PRIOR TO BACKFILLING EXFILTRATION TRENCHES, DRAINAGE INLETS OR MANHOLES, THE CONTRACTOR SHALL NOTIFY THE ENGINEERING INSPECTOR FOR AN INSPECTION.
- DRAINAGE STRUCTURES SHALL BE CLEANED PRIOR TO ACCEPTANCE BY CITY.
- ALL PIPES SHALL BE LAID IN DRY TRENCH. ALL MUCK OR UNSUITABLE MATERIALS IN TRENCHES INLETS OR MANHOLES SHALL BE REMOVED AND BACKFILLED WITH SELECTED MATERIAL APPROVED
- MINIMUM COVER FOR HDPE PIPE UNDER ASPHALT SHALL BE 24-INCH COMPACTED LIMEROCK BASE. MINIMUM COVER FOR PIPE UNDER GRASS SHALL BE 18" COMPACTED SUBGRADE.
- 7. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND PREVENT ADVERSE FLOODING OF THE TRAVEL LANES DURING CONSTRUCTION.
- MAINTENANCE ACCESS SHALL BE PROVIDED ON BOTH SIDES OF EXFILTRATION TRENCHES IN THE FORM OF MANHOLES OR CATCH BASINS. THE MAXIMUM DISTANCE BETWEEN STORM STRUCTURES SHALL NOT EXCEED TREE HUNDRED (300) FEET).
- ALL EXFILTRATION SYSTEMS SHALL BE DESIGNED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DOCUMENT TITLED "DRAINAGE DESIGN GUIDE", LATEST EDITION.
- 10. GEOTEXTILE MATERIALS USED IN THE CONSTRUCTION OF EXFILTRATION TRENCHES SHALL BE IN ACCORDANCE WITH THE CRITERIA OF FLORIDA DEPARTMENT OF TRANSPORTATION'S DESIGN STANDARDS LATEST EDITION AND CITY OF FORT LAUDERDALE'S SPECIFICATIONS

CITY OF FORT LAUDERDALE PUBLIC WORKS DEPART ENGINEERING DETAILS

10/22/2019 4:18 PM

DRAINAGE NOTES

GNRL 800 CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS 0 North Andrews Avenue, Fort Lauderdale, Florida 33

GREEN INFRASTRUCTURE NOTES

GREN 001

COMMUNICATION NOTES:

- . THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND RELATED MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF THE MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS -COMMUNICATION INFRASTRUCTURE" DOCUMENT. PLEASE REFER TO (BCTED'S) COMMUNICATIONS POLICIES AND PROCEDURES FOR ADDITIONAL INFORMATION. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. IF FIBER OPTIC PULL BOXES ALREADY EXIST AT AN INTERSECTION, NO ADDITIONAL FIBER OPTIC PULL BOXES WILL NEED TO BE INSTALLED. FOR A COPY OF THESE STANDARDS REFER TO THE BROWARD COUNTY WEB SITE AT WWW.BROWARD.ORG/TRAFFIC UNDER PUBLICATIONS.
- OF YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.
- PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.
- 4. IF THERE ARE CELLULAR COMMUNICATIONS WITHIN YOUR PROJECT LIMITS, CONTACT THE

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION

COPPER INTERCONNECT CABLE NOTIFICATION CONTACT PERSON:

FIBER OPTIC CABLE NOTIFICATION CONTACT PERSON:

WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.

UTILITY OWNER CONTACT PERSON:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS Jorth Andrews Avenue, Fort Lauderdale, Florida 3330

006

BROWARD COUNTY

- 2. IF THERE ARE COPPER INTERCONNECT CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1,500 FEET
- 3. IF THERE ARE FIBER OPTIC CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1,500 FEET OF YOUR
- COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.
- 5. ALL BCTED COMMUNICATIONS CABLES/CONDUIT SHALL BE LOCATED A MINIMUM OF 48 HOURS IN ADVANCE.

PROCEDURE FOR NOTIFICATION OF COMMUNICATION DISRUPTION

WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE TRAFFIC SIGNAL TECHNICIAN III AT TECOMMUNICATIONS@BROWARD.ORG. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.

INTERCONNECT COMMUNICATIONS CABLES - (ROBERT BLOUNT) BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) 954-847-2745

> **GNRL** BROWARD COUNTY COMMUNICATION NOTES

CRAVEN • THOMPSON AND ASSOCIATES, INC. ENGINEERS • PLANNERS • SURVEYORS 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309 FAX: (954) 739-6409

TEL.: (954) 739-6400 FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 27 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

• Environmental Consultant Marina & Wetland 714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782,1908 w. thechappellgroup.com
fax. 954.782.2008 w. thechappellgroup.com

T&E Species Surveys



 $\mathbf{\Omega}$ \propto

CAD FILE: 11419-004-SITE DRAWING FILE NO.

4-135-81

EROSION AND SEDIMENT CONTROL:

- 1. CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ORDER TO ENSURE POLLUTION PREVENTION. CONTRACTOR TO COMPLY WITH ALL LOCAL STATE AND OTHER GOVERNMENTAL ENVIRONMENTAL REGULATIONS THROUGHOUT CONSTRUCTION.
- 2. DURING CONSTRUCTION ALL CATCH BASIN INLETS SHALL BE PROTECTED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CATCH BASIN.
- 3. SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT DISCHARGE OF SEDIMENT ONTO ADJACENT UNDISTURBED AREAS, OR OFF-SITE AREAS.
- 4. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
- 5. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
- 6. ALL EXPOSED AREAS SHALL BE SODDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING.
- 7. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
- 8. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
- 9. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- 10. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY CITY, COUNTY, AND STATE OF FLORIDA ON SITE INSPECTION, AT NO ADDITIONAL COST TO THE OWNER.
- 11. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
- 12. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
- 13. BURNING OF DEBRIS WILL NOT BE ALLOWED.
- 14. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
- 15. CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATER WAYS. IN ADDITION CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES IF EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC. THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES. EROSION CONTROL BARRIER SHALL BE ESTABLISHED AS THE FIRST ITEM OF

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS

EROSION AND SEDIMENT CONTROL NOTES SHEET 1

DROP INLET PROTECTION - SEDIMENT BARRIER

ESC 001 **REVISED:** 2017/07/08

PUBLIC WORKS DEPARTMENT **EROSION AND SEDIMENT CONTROL NOTES** ENGINEERING DETAILS SHEET 2 forth Andrews Avenue. Fort Lauderdale, Florida 33

16. THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FLORIDA DEPARTMENT OF

PROTECTION'S STORMWATER PERMITTING PROGRAM, THE CONTRACTOR SHALL:

17.3. DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).

18. SUBMIT COPIES OF THE SWPPP AND THE NOI TO THE ENGINEER AS INFORMATIONAL RECORDS. THESE

20. CONTRACTOR TO REMOVE ALL FILTER FABRIC AND POLLUTION PREVENTION ITEMS BEFORE THE FINAL

19. CONTRACTOR TO CLEAN AND REPAIR ALL EXISTING STORMWATER INFRASTRUCTURE THAT IS IMPACTED BY

17.2. COMPLY WITH ALL REQUIREMENTS OF THE GENERIC PERMIT.

SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES, BEFORE LEAVING THE JOBSITE.

EXCAVATING.

WEBSITE.

WALK-THROUGH.

CITY OF FORT LAUDERDALE

ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM APPLIES TO ALL CONSTRUCTION

WILL MEET OR EXCEED THE ONCE ACRE THRESHOLD. DISTURB INCLUDES CLEARING, GRADING AND

17. FOR CONSTRUCTION ACTIVITY THAT IS SUBJECT TO THE NPDES FLORIDA DEPARTMENT OF ENVIRONMENTAL

ACTIVITY THAT: 1) CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATER OF THE STATE OR INTO A

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); 2) DISTURBS ONE OR MORE ACRES OF LAND; OR 3) LESS

THAN ONE ACRE IS INCLUDED IF THE ACTIVITY IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT THAT

17.1. OBTAIN A GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION

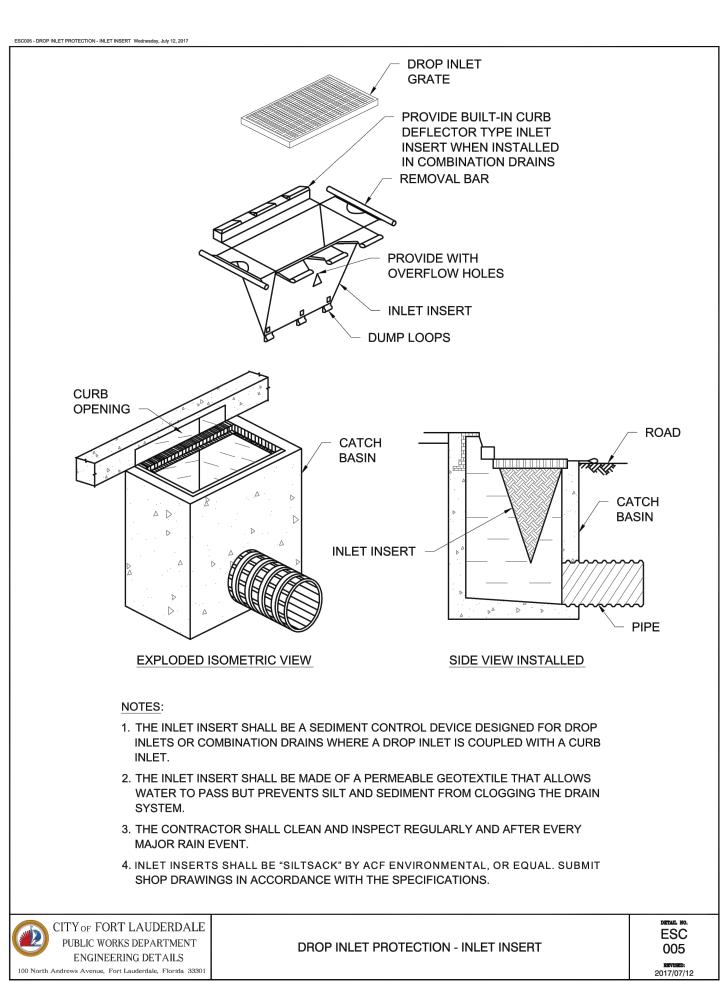
ACTIVITIES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOCUMENT 62-621.300(4)(A).

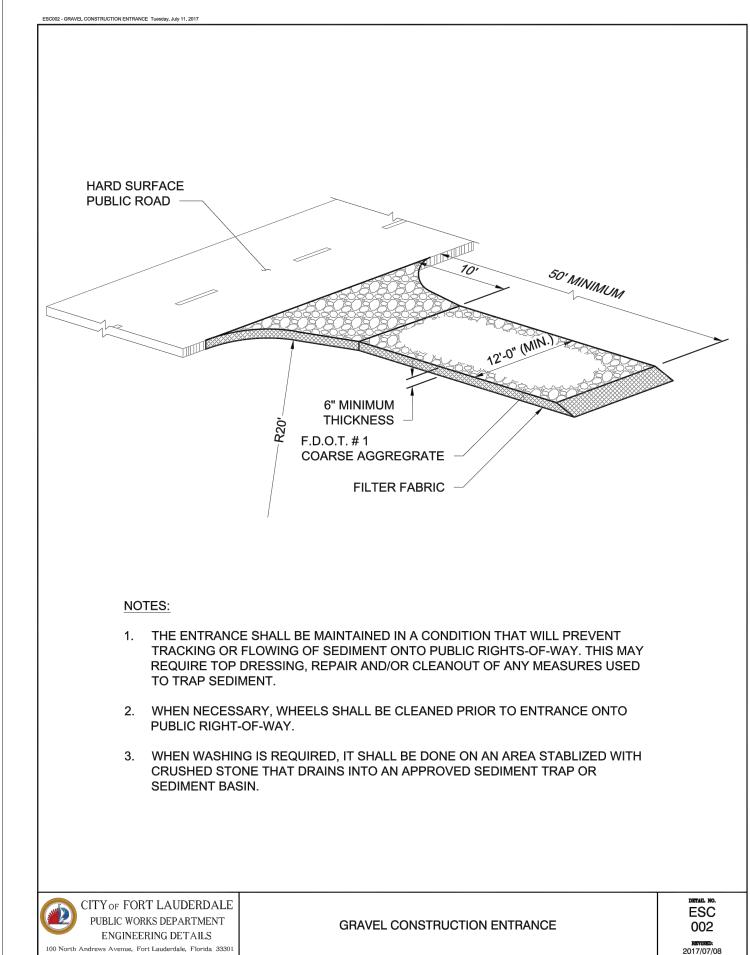
17.4. COMPLETE A NOTICE OF INTENT (NOI) FLORIDA DEPARTMENT OF ENVIORNMENTAL PROTECTION FORM

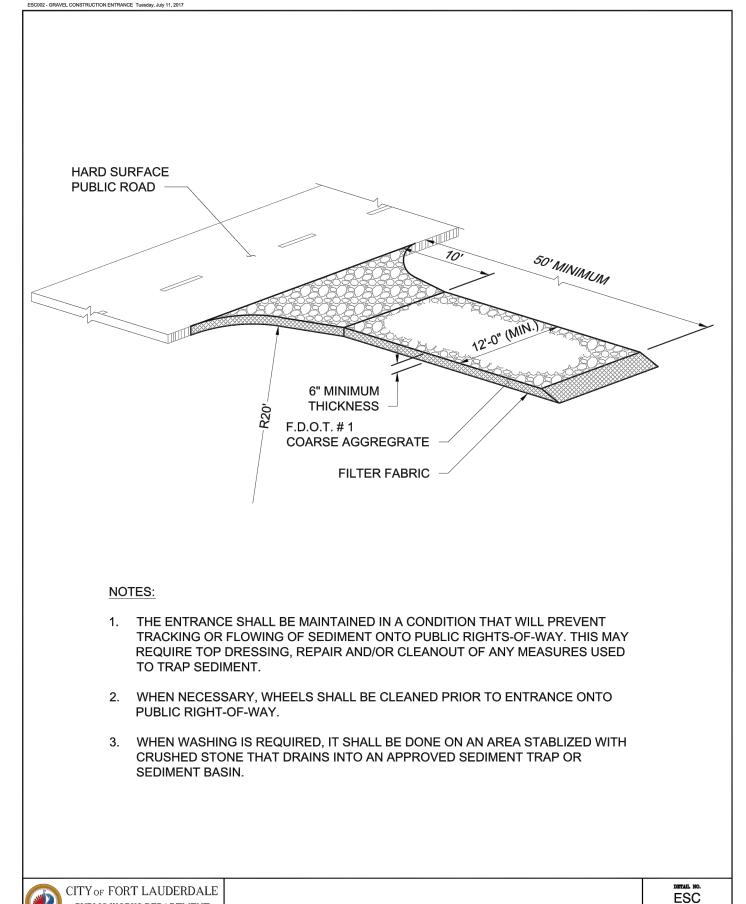
62-621.300(4)(B) IN ITS ENTIRETY USING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S

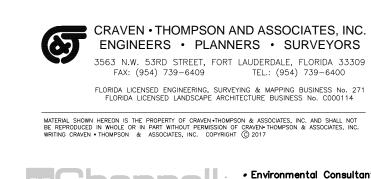
ESC 001 REVISED: 2017/07/08

ESC 004

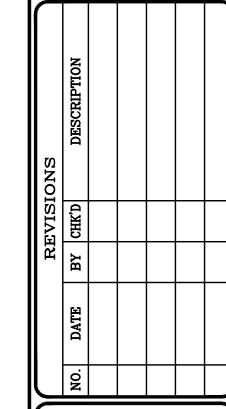




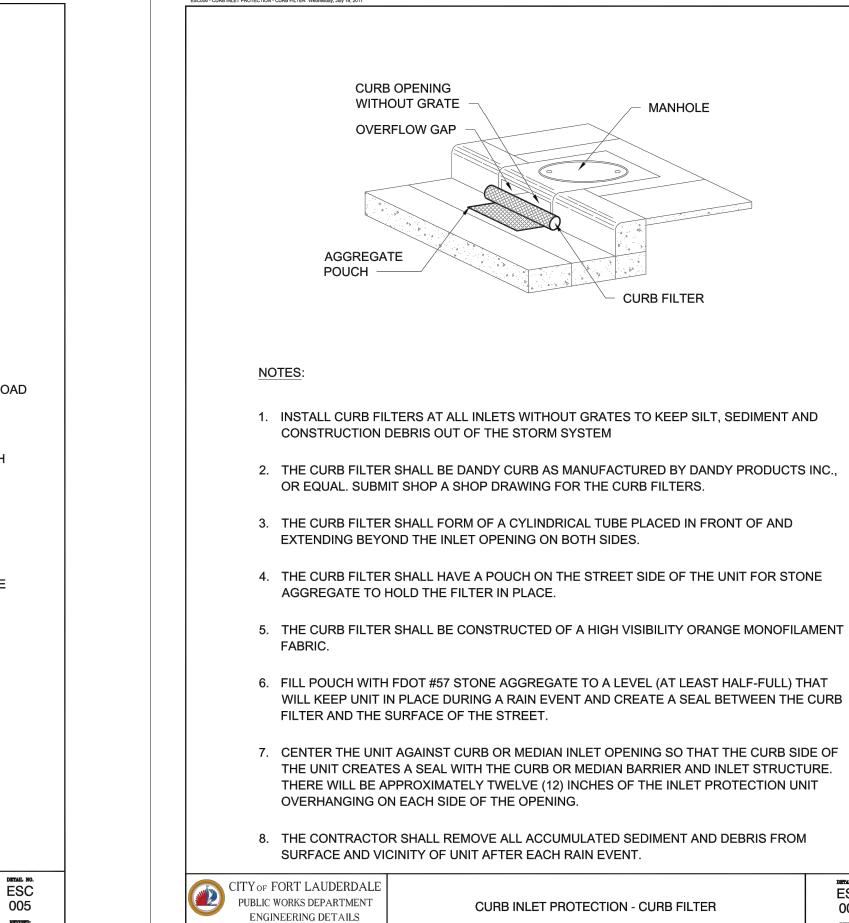




 Marina & Wetland 714 East McNab Road Pompano Beach, Florida 33080 tel. 954.782,1908 w. thechappellgroup.com fox. 954.782.1008 w. thechappellgroup.com



CAD FILE: 11419-004-SITE DRAWING FILE NO. 4-135-81



IE NEEDED **TEMPORARY DIKE**

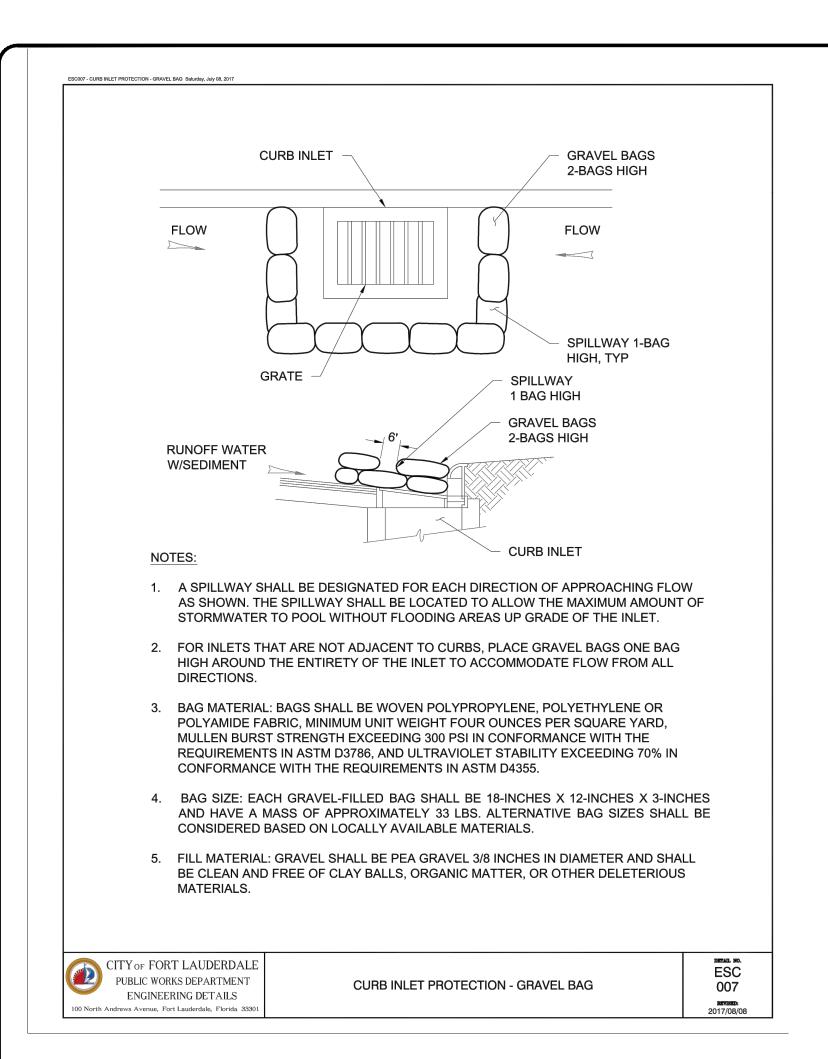
∀---

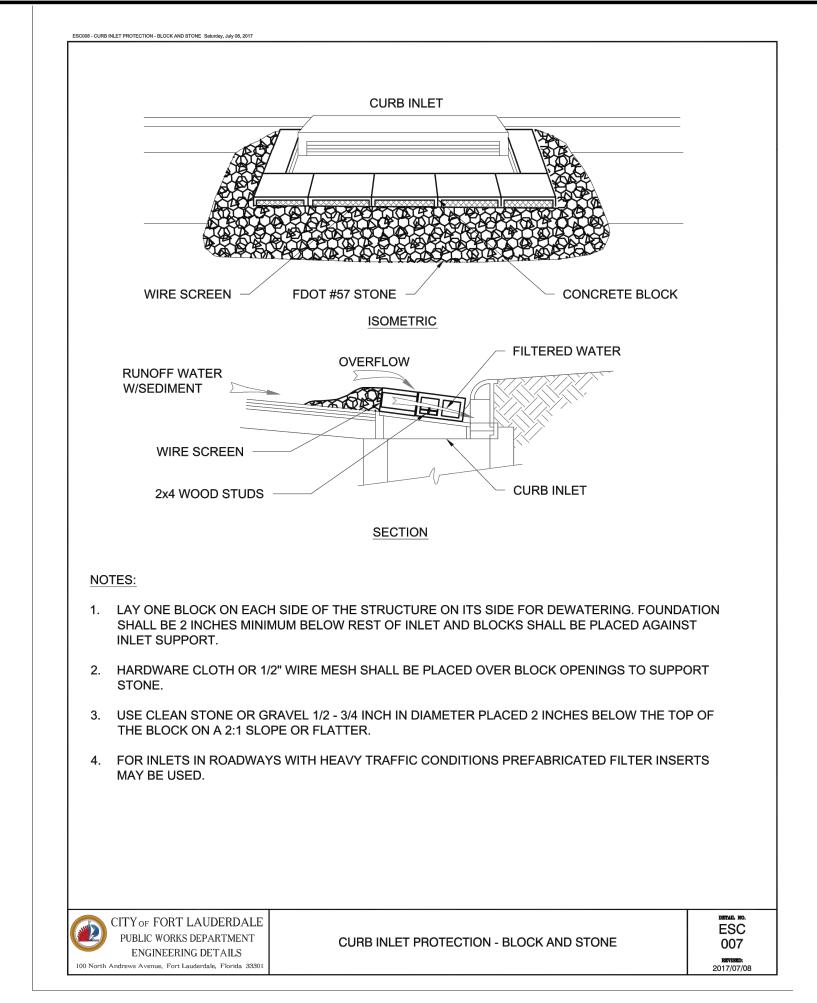
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT

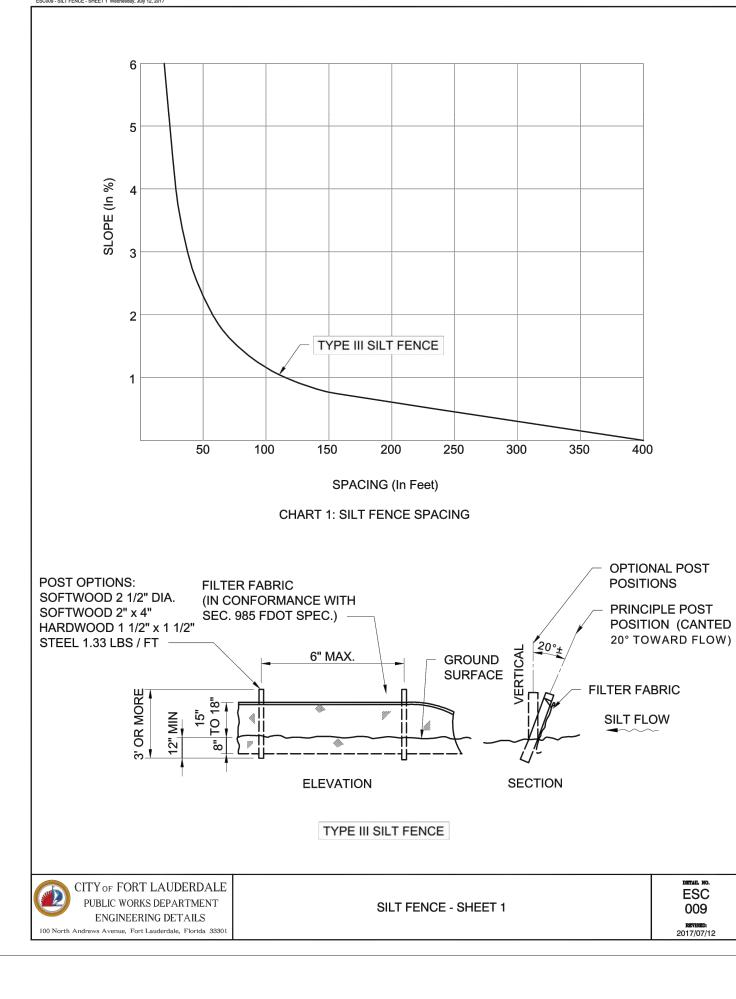
10/22/2019 4:18 PM

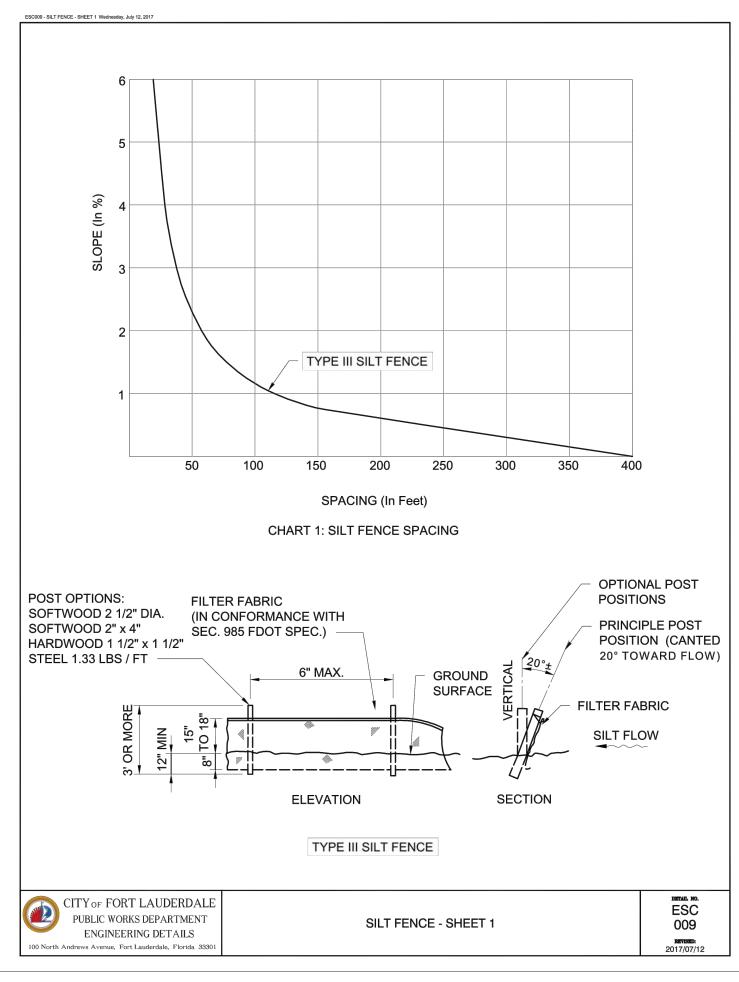
ENGINEERING DETAILS

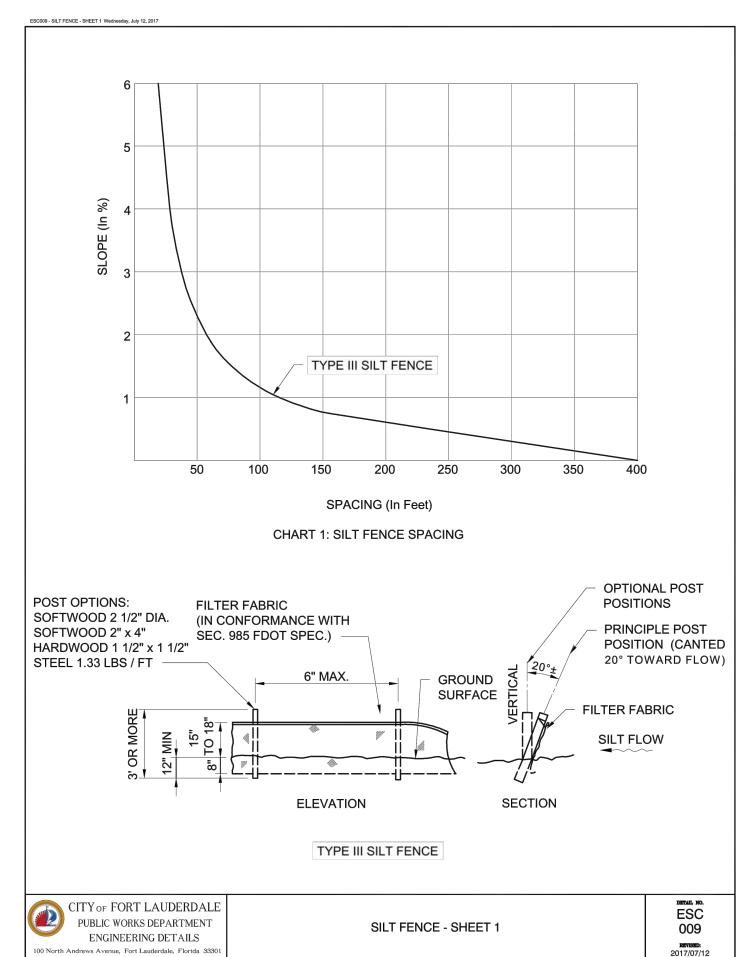
ESC 006



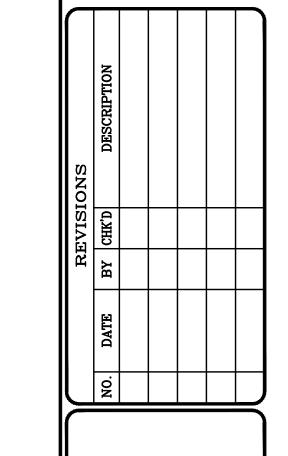




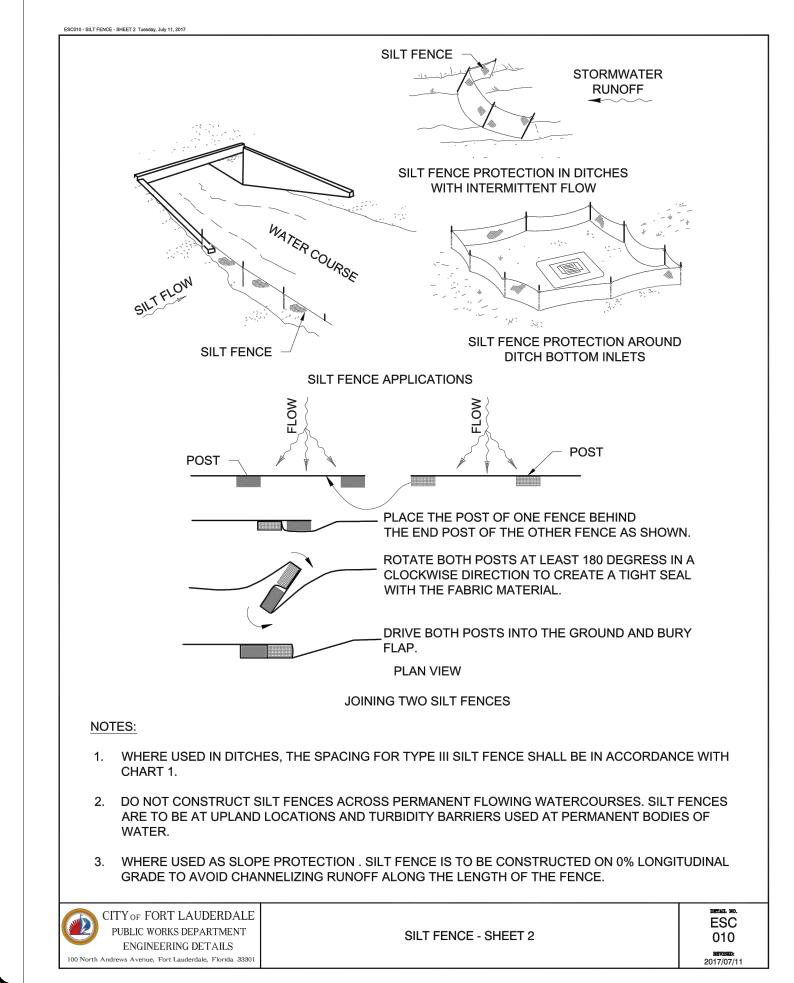


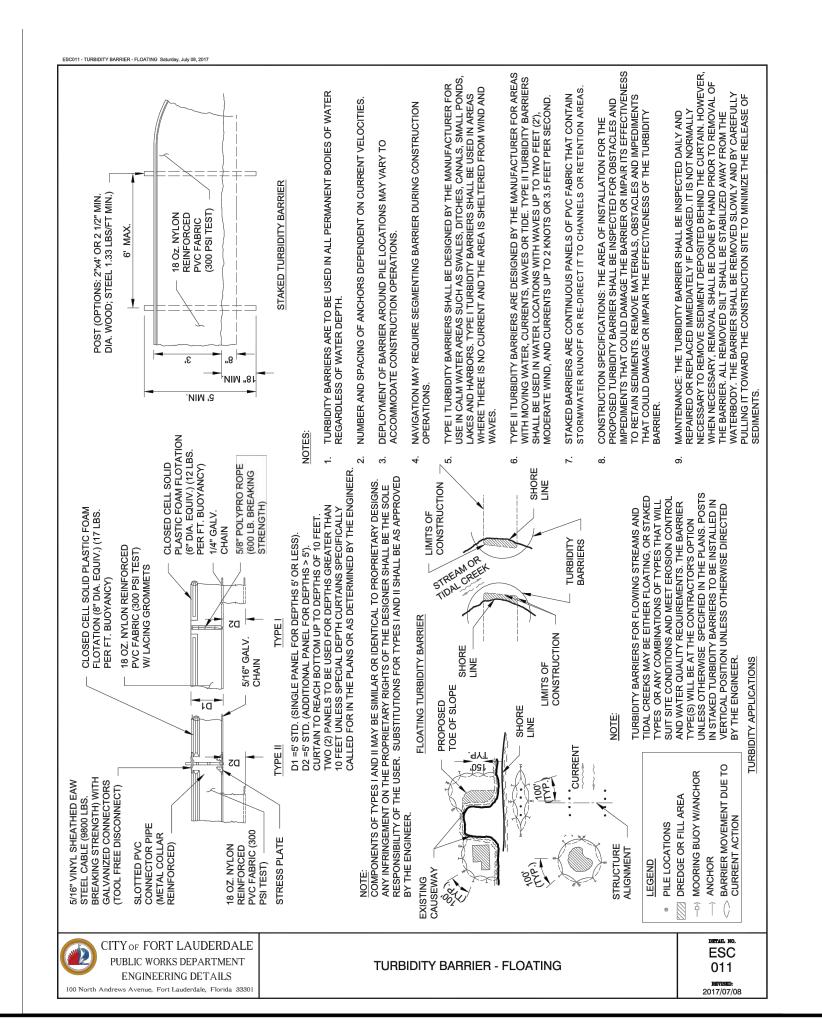


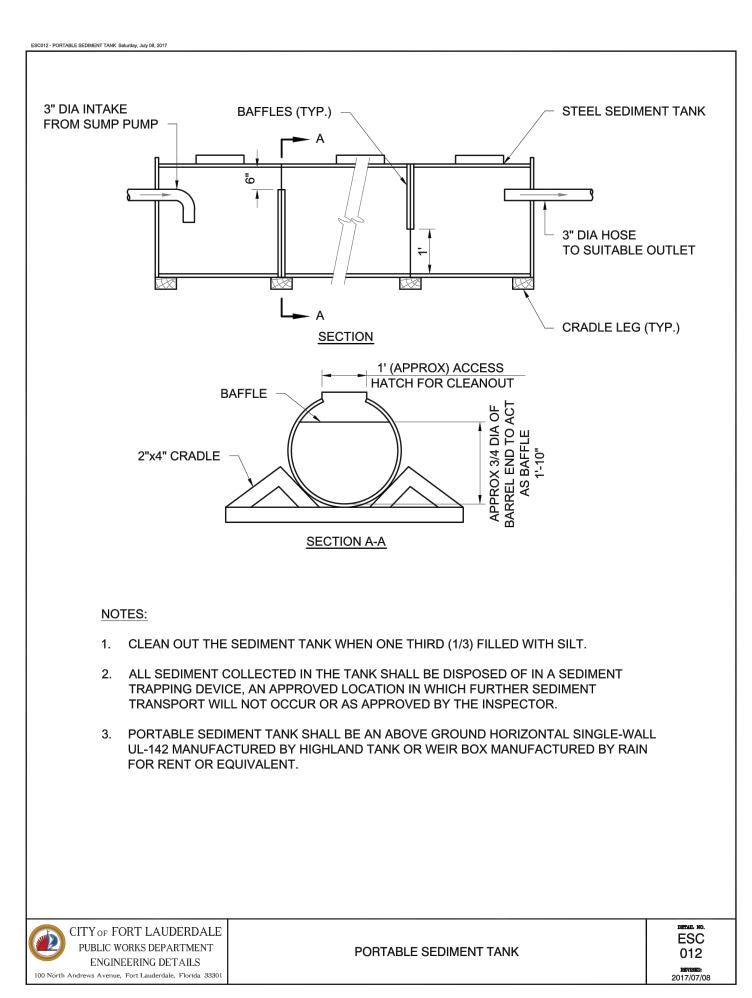


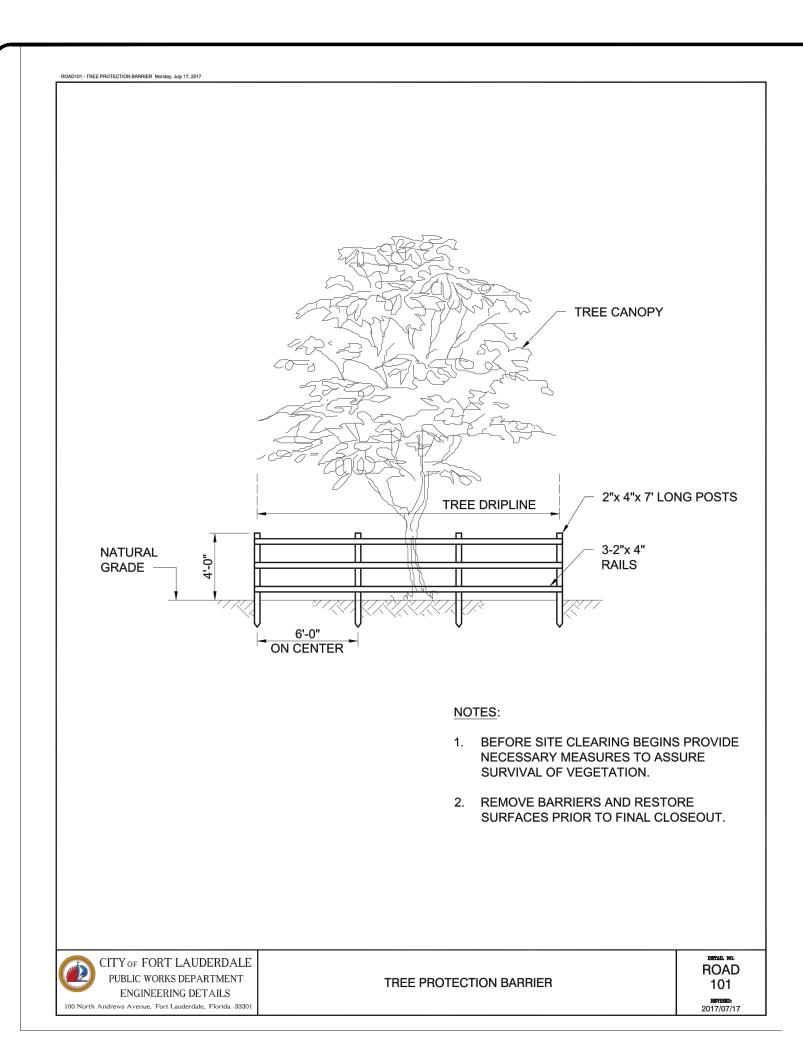


CAD FILE: 11419-004-SITE DRAWING FILE NO. 4-135-81









SIDEWALK

COMPACTED BASE

ROOT BARRIER

CENTERED ON TREE (TYP.)

COMPACTED SUBGRADE

CONCRETE CURB AND GUTTER

TREE (TYP.)

ROAD 104

CURB AND GUTTER

DETAIL A

ROOT BARRIER

ROOT BARRIER

SECTION

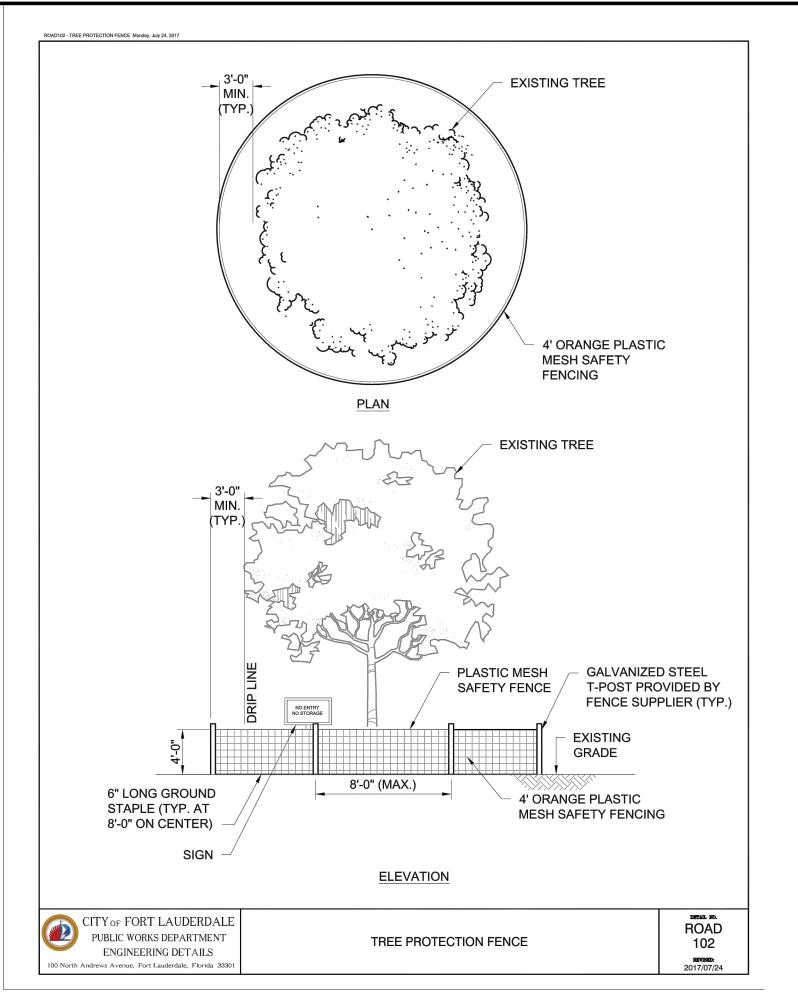
1. ROOT BARRIERS SHALL BE INSTALLED WHEN ROOT BALL IS WITHIN 8'-0" OF SIDEWALK OR AS

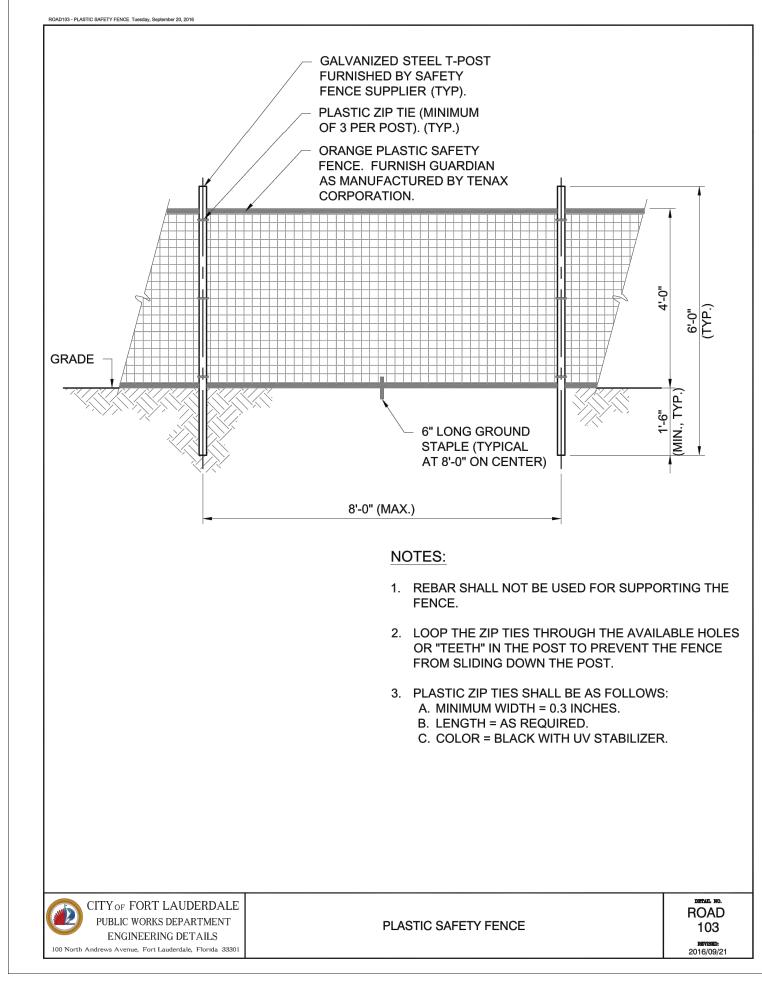
2. ROOT BARRIER SHALL BE UB 24-2 BY DEEPROOT, OR EQUAL. SUBMIT SHOP DRAWING.

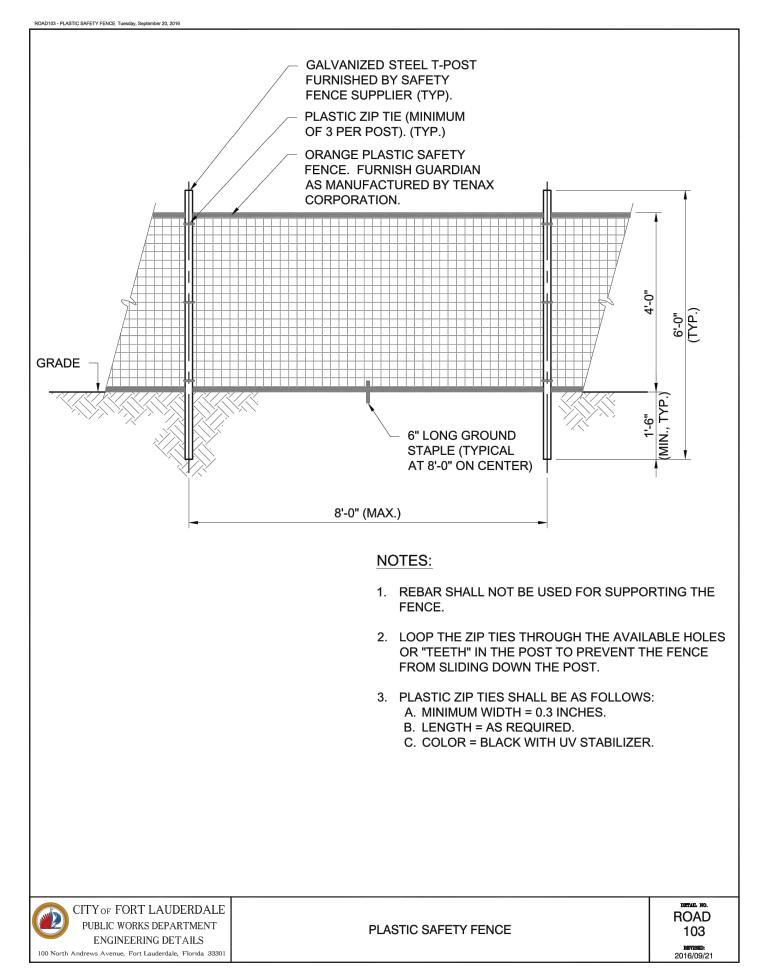
4. PLACE ROOT BARRIER IN TRENCH, VERTICAL RIBS MUST FACE TOWARD TREE ROOTS.

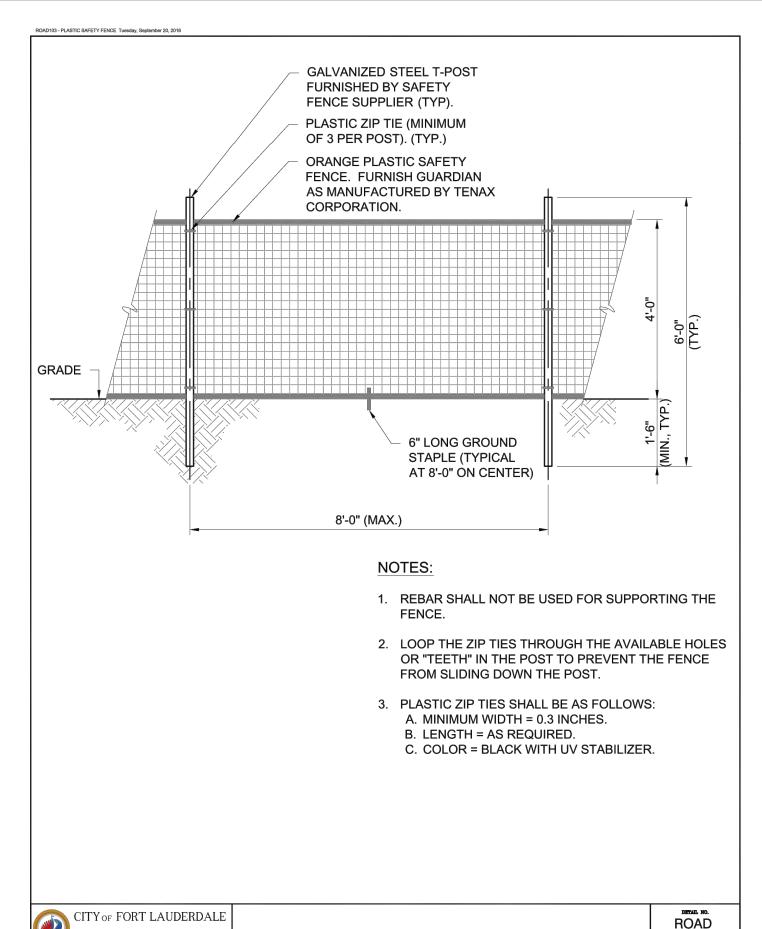
3. TRENCH TO APPROPRIATE DEPTH FOR INSTALLATION OF ROOT BARRIER SO THAT TOP OF

ROOT BARRIER





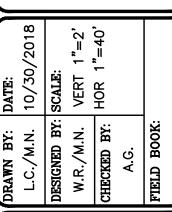






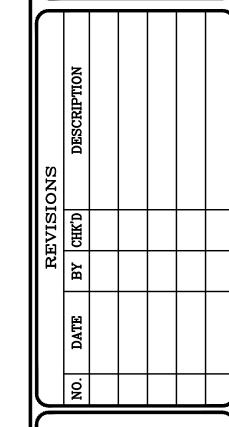
714 East McNab Road
Pompano Beach, Florida 33060
tel. 954.782,1908 w.thechappellgroup.com





CITY OF FORT LAUDERDALE







CAD FILE: 11419-004-SITE DRAWING FILE NO.

PLOT DATE: 1/16/2019 8:22 PM BY: DCHIN XREFs= .\11868DETAILS

DETAIL A

BARRIER IS 2" BELOW TOP OF SIDEWALK.

INDICATED ON THE PLANS.

Exhibit 3F - Part 6 of 6 p. 658
Page 35 of 46

10/22/2019 4:18 PM

ENGINEERING DETAILS

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
FNGINEFRING DETAILS

BACKFILL AND COMPACT.

TOP OF ROOT BARRIER 2" **BELOW FINISH** TOP OF

SIDEWALK

SUBGRADE

BASE

AUDERD

00STRUCTURAL NOTES

ELECTRONIC VERSIONS OF STRUCTURAL DRAWINGS ARE THE SOLE,

COPYRIGHTED PROPERTY OF MUENGINEERS, INC. ELECTRONIC VERSIONS OF DRAWINGS ARE NOT TO BE USED OR TRANSFERRED WITHOUT THE EXPRESS, WRITTEN PERMISSION OF MUENGINEERS, INC.

 STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING,

 CONSULT THESE DRAWINGS FOR DEPRESSIONS, AND OTHER DETAILS NOT. SHOWN ON STRUCTURAL DRAWINGS.

 DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

 DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION. NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.

 AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY. MUENGINEERS' PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE

ADEQUACY OF THE CONTRACTORS' MEANS OR METHODS OF CONSTRUCTION. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE STRUCTURE IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION

PROCEDURES AND SEQUENCE TO INSURE SAFETY OF THE BUILDING AND ITS

COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING. MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY MEANS AND METHODS OF CONSTRUCTION OR FOR ANY RELATED SAFETY PRECAUTIONS

OR PROGRAMS 010001-DESIGN LOADS:

 THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE AND APPLICABLE REFERENCE STANDARDS.

 ALL VERTICAL ELEMENTS LOCATED ALONG ACCESSIBLE FLOOR AREAS AND SEPARATING SLABS PLACED AT DIFFERENT ELEVATIONS WHEN POSITIONED WITHIN 3'-6" FROM FINISHED FLOOR ELEVATION SHALL, IN ADDITION TO ALL OTHER APPLICABLE LOADS BE DESIGNED AS A GUARDRAIL (FOLLOWING GUIDELINES OF THE FLORIDA BUILDING CODE): THIS INCLUDES WINDOWS, LOUVERS, CURTAIN WALLS, STOREFRONTS, ETC.

THE FOLLOWING SUPERIMPOSED LOADINGS HAVE BEEN UTILIZED:

EXPOSURE C

o DECK AREAS: LIVE LOAD 100 psf DEAD LOAD o WIND: ASCE 7-10

BROWARD COUNTY: RISK CATEGORY II ULTIMATE DESIGN WIND SPEED Vult=170 MPH (3-SECOND GUST) NOMINAL DESIGN WIND SPEED Vasd=132 MPH (3-SECOND GUST)

 SHOP DRAWINGS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT ONLY. SHOP DRAWINGS SHALL BE SUBMITTED VIA E-MAIL TO HYPERLINK "mailto:ADMIN@MUENGINEERS.COM" ADMIN@MUENGINEERS.COM.

 PRINTED PAPER COPIES WILL NOT BE REVIEWED AND RETURNED WITHOUT MUENGINEERS' REVIEW.

• SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ALL FRAMING SHOWN ON THESE DRAWINGS INCLUDING, BUT NOT LIMITED TO: CONCRETE MIXES, CONCRETE AND MASONRY REINFORCING, STRUCTURAL STEEL AND CONNECTIONS, STEEL DECK, LIGHT GAUGE FRAMING, WOOD ROOF TRUSS FRAMING.

 ELECTRONIC VERSIONS OF STRUCTURAL DRAWINGS ARE THE SOLE, COPYRIGHTED PROPERTY OF MUENGINEERS, INC. ELECTRONIC VERSIONS OF DRAWINGS ARE NOT TO BE USED OR TRANSFERRED WITHOUT THE EXPRESS. WRITTEN PERMISSION OF MUENGINEERS, INC. USERS WILL SIGN A RELEASE

 SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY. LENGTH. ELEVATIONS. DIMENSIONS, CONSTRUCTION METHODS, DIMENSIONING, OTHER TRADE

REQUIREMENTS ETC. PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS WITHOUT CONTRACTOR'S APPROVAL STAMP AND WHICH HAVE NOT BEEN REVIEWED BY THE CONTRACTOR WILL BE RETURNED WITHOUT MUENGINEERS' REVIEW.

MUENGINEERS RESERVES A TWO WEEK SHOP DRAWING REVIEW TIME (FROM

THE DATE OF RECEIPT). IN CASES OF A CONFLICT, INFORMATION PRESENTED ON STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THAT WITHIN SHOP DRAWINGS, UNLESS SPECIFICALLY NOTED BY MUENGINEERS IN WRITING.

 THROUGH THE PROCESS OF A CURSORY REVIEW, MUENGINEERS ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ERRORS OR OMISSIONS. ANY ERRORS OR OMISSIONS IRRESPECTIVE OF MUENGINEERS' COMMENTS OR DURATION OF THE REVIEW SHALL BE THE RESPONSIBILITY OF AND MUST BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL SERVICE CHARGE EVEN IF SUCH WORK WAS DONE IN ACCORDANCE WITH THE SHOP DRAWINGS

 CHANGES AND ADDITIONS MADE ON RE-SUBMITTALS SHALL BE CLEARLY FLAGGED AND NOTED. THE PURPOSE OF THE RE-SUBMITTALS SHALL BE CLEARLY NOTED ON THE LETTER OF TRANSMITTAL. REVIEW WILL BE LIMITED TO THE FLAGGED AND NOTED ITEMS CAUSING THE RE-SUBMITTAL.

012300-CONTRACTOR PROPOSED CHANGES AND SUBSTITUTIONS: PROPOSED CHANGES OR SUBSTITUTIONS TO STRUCTURAL DETAILS OR PLANS SHALL BE SUBMITTED TO MUENGINEERS FOR REVIEW AND APPROVAL.

 SUBMITTALS SHALL CONTAIN FULL DOCUMENTATION OF CHANGES OR SUBSTITUTIONS WITH SUPPORTING, SEALED CALCULATIONS (WHERE APPLICABLE).

 THE REVIEW OF CHANGES AND SUBSTITUTIONS. RE-ANALYSIS AND/OR RE-DRAFTING TO INCORPORATE CHANGES OR SUBSTITUTIONS INTO CONTRACT DOCUMENTS ARE ADDITIONAL SERVICES FOR THE EOR.

 CONSTRUCTION COST REVISIONS ARE BETWEEN THE CONTRACTOR AND OWNER AND ARE NOT REVIEWED BY MUENGINEERS.

316219-ROUND TIMBER PILES:

• PILES SHALL COMPLY WITH ASTM D25 AND BE TREATED (AWPB STD-MLP P5-72) SOUTHERN PINE WITH A MINIMUM BUTT DIAMETER OF 12 INCHES.

 PILES SHALL BE DRIVEN A MINIMUM OF XX FEET INTO BEARING STRATA AND ACHIEVE A MINIMUM SAFE BEARING CAPACITY OF XX TONS AS COMPUTED BY AN APPROPRIATE DRIVING FORMULA.

 PILE DRIVING OPERATIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

o AN AS-BUILT SURVEY OF PILE LOCATIONS SHALL BE PERFORMED BY A FLORIDA REGISTERED LAND SURVEYOR.

o PILES SHALL BE LOCATED ON THE AS-BUILT DRAWINGS HORIZONTALLY AND VERTICALLY FROM THE DESIGN LOCATION. o SUBMIT THE AS-BUILT DRAWINGS TO THE STRUCTURAL ENGINEER FOR

o CONTRACTOR IS RESPONSIBLE FOR ENGINEERING COSTS ASSOCIATED WITH REDESIGNS CAUSED BY IMPROPER PILE LOCATIONS.

061000-WOOD:

o SHEAR

 STRUCTURAL WOOD COMPONENTS (BEAMS, JOISTS, RAFTERS, ETC.) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE FIBER STRESSES OF **NO. 2** SOUTHERN PINE CONFORMING TO THE LATEST EDITION OF NDS, AS FOLLOWS:

Fv 175 psi o BENDING 2X4 Fb 1,100 psi o BENDING 2X6 Fb 1,000 psi o BENDING 2X8 Fb 925 psi o BENDING 2X10 Fb 800 psi o BENDING 2X12 Fb 750 psi

WOOD FRAMING CONNECTORS:

o CONNECTOR MODEL NUMBERS SHOWN ARE CONNECTORS AS MANUFACTURED BY SIMPSON STRONG-TIE C., 5956 W. LAS POSITAS BOULEVARD, PLEASANTON, CA 94588.

o SUBSTITUTIONS ARE ACCEPTABLE WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. o UNLESS SHOWN OTHERWISE, INSTALL SIZE AND NUMBER OF FASTENERS

SHOWN IN LATEST SIMPSON CATALOG. o SEE TABLE FOR REQUIRED CONNECTOR MATERIAL AND FINISHES BASED

ON APLICATION. 061500-TIMBER DECKING: FLOOR DECKING SHALL BE 2X6 #2 SOUTHERN PINE WOOD DECKING CONNECTED

TO ALL SUPPORTING ELEMENTS WITH MINIMUM (2) 20 GAUGE STAINLESS STEEL SCREWS AT EVERY CONNECTION.INSTALLATION SHALL BE IN CONTROLLED RANDOM LAYUP PATTERN FASTENED IN ACCORDANCE WITH AITC 112.

055213 RAILING SHOPS: THIS RAILING IS DESIGNED TO MEET SECTIONS OF THE CODE GOVERNING ELEVATED BALCONIES AND STRUCTURAL RAILINGS (25PSF ON GROSS AREA,

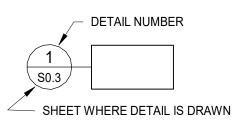
50PLF ON POSTS, 200 LB MIN PER FBC 1618.4.6 [WITHIN HVHZ]).

 THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE.

LEGENDS

SECTION NUMBER SHEET WHERE SECTION IS DRAWN

SECTION MARK



DETAIL MARK

THE FOLLOWING ABBREVIATIONS MAY BE USED IN THE DRAWINGS

ABV. **ABOVE** ALUM. ALUMINUM AMERICAN NATIONAL STANDARDS INSTITUTE APPROX APPROXIMATE AR ANCHOR ROD ARCH **ARCHITECTURA** ASTM **BRACED FRAME** BRIDGING

AMERICAN SOCIETY OF TESTING AND MATERIALS

BRDG BRG BEARING BTWN BETWEEN **CAMBER** CANTIL CANTILEVER CENTERLINE COL COLUMN

ABBREVIATIONS:

CONC CONCRETE CONN CONNECTION CONSTR CONSTRUCTION CONTINUOUS COORD COORDINATE D&E DRILL AND EPOXY DB BAR DIAMETER DET DETAIL

DIAMETER DIM DIMENSION DWG DRAWING EACH EACH FACE **ELEVATION** EMBEDMENT, EMBEDDED **EMBED ENGINEER ENGR** EQ **EQUAL** ETR EXISTING TO REMAIN ETBD EXISTING TO BE DEMOLISHED **EXISTING TO BE RESTORED ETBR ETBM** EXISTING TO BE MODIFIED **EXIST EXISTING**

EXP **EXPANSION** EXT **EXTERIOR** FLORIDA BUILDING CODE 28 DAY CONCRETE STRENGTH= FLR **FLOOR**

YIELD STRENGTH= GAUGE **GALV** GALVANIZE(D) GENERAL CONTRACTOR **HORIZ** HORIZONTAL

INCH INFO INFORMATION INTERIOR KIPS (1000 LBS) KSF KIPS PER SQUARE FOOT KIPS PER SQUARE INCH KSI LBS POUNDS

MFR MANUFACTUREF MISCELLANEOUS MTL METAL NOT APPLICABLE NTS NOT TO SCALE ROUND, DIAMETER PARALLEL PCF POUNDS PER CUBIC FOOT

PCY POUNDS PER CUBIC YARD **PERP** PERPENDICULAR PLATE POUNDS PER LINEAR FOOT PLYWOOD POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH PRESSURE THREADED REINFORCED CONCRETE REQD REQUIRED SCHED SCHEDULE(D)

STRUCTURAL CONSTRUCTION DOCUMENTS SCDs SDS SELF-DRILLING SCREW SECT SECTION

SHT SHEET **SPEC** SPECIFICATION SST STAINLESS STEEL STD STANDARD STL STEEL **TEMPORARY**

STRUCT STRUCTURE, STRUCTURAL TEMP THD THREADED TYP **TYPICAL** UNO **UNLESS NOTED OTHERWISE**

VAR **VARIES VERT** VERTICAL W/ WITH W/O WITH OUT WBL WOOD BLOCKING WD WOOD

SHEET INDEX SHT NO. DESCRIPTION S-0.00 STRUCTURAL NOTES PARTIAL MAIN DECK LAYOUT PLAN - AREA 'A' PARTIAL MAIN DECK LAYOUT PLAN - AREA 'B' SECTIONS AND DETAILS S-3.00 S-4.00 3D VIEWS



CONSULTING STRUCTURAL ENGINEERS

> 3440 N.E. 12TH AVENUE OAKLAND PARK, FL 33334 PH: 954-324-4730 FAX: 954-653-4170

THESE DRAWINGS, ALONG WITH THE ARCHITECTURAL DRAWINGS, AND PROJECT MANUAL CONSTITUTE A SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE

CONSTRUCTION OF THIS PROJECT.

10/22/2019 4:18 PM

4-135-81 CAM #19-1115 Page 36 of 46

TER PRESERVE NEIGHBORHOC

MWATI OAKS OSED

DECT RMW/ ER OAK

PRO. STOF RIVE

SHEET NO.

CAD FILE:

DRAWING FILE NO.

Exhibit 3F - Part 6 of 6

4-135-81 CAM #19-1115 Page 37 of 46

CONSTRUCTION OF THIS PROJECT.

Exhibit 3F - Part 6 of 6 p. 660

IMPORTANT NOTE: ALL WOOD MEMBERS SHALL BE PRESSURE TREATED, ALL BOLTS, NUTS, THREADED RODS, NAILS, SCREWS, LAG BOLTS, STRAPS AND ANY OTHER METAL HARDWARE SHALL BE STAINLESS STEEL.



CONSULTING STRUCTURAL **ENGINEERS**

> 3440 N.E. 12TH AVENUE OAKLAND PARK, FL 33334 PH: 954-324-4730 FAX: 954-653-4170

NOTE: MUE16101902
THESE DRAWINGS, ALONG WITH THE ARCHITECTURAL DRAWINGS, AND PROJECT MANUAL CONSTITUTE A

SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE CONSTRUCTION OF THIS PROJECT.

10/22/2019 4:18 PM

4-135-81 CAM #19-1115 Exhibit 3F - Part 6 of 6 Page 38 of 46

SHEET NO.

CAD FILE:

DRAWING FILE NO.

4X4 WD

POST

(2) 3/4" DIA. — SST THRU

BOLT, TYP.

(2) #10 x3" LONG SST

WD SCREWS

INSTALLED THRU

PRE-DRILLED HOLES

IN THE 2x4 WD

SECTIONS, TYP.

SHEET NO.

CAD FILE:

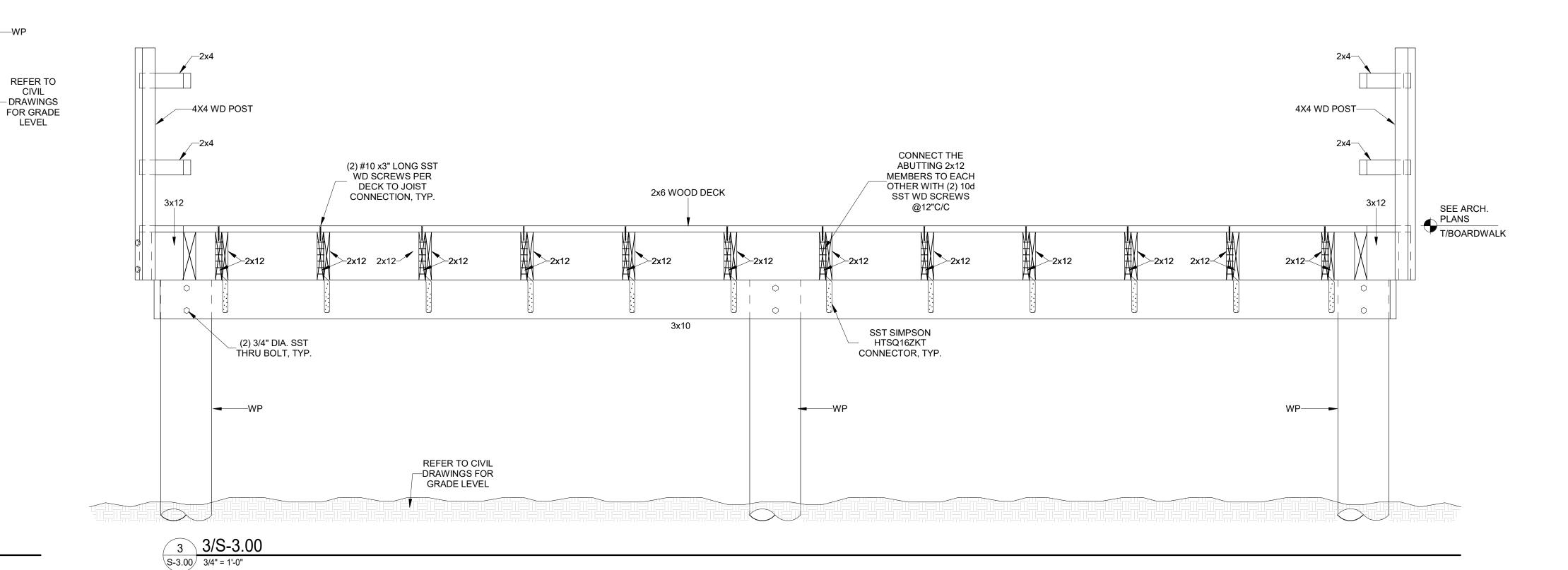
DRAWING FILE NO.

4-135-81 CAM #19-1115

STRUCTURAL COLUMN MATERIAL TAKEOFF DESCRIPTION MATERIAL: NAME MATERIAL: COUNT REMARKS 4x4 WD RAILING POST | SEE NOTES AND SECTIONS 428 AVERAGE LENGTH OF RAILNG POST SHALL BE 52.75" MIN. 12" DIA. WD PILES SEE NOTES AND SECTIONS

STRUCTURAL FRAMING MATERIAL TAKEOFF			
DECRIPTION	MATERIAL: NAME	MATERIAL: COUNT	REMARKS
2x4 WD RAIL FRAMING MEMBER	SEE NOTES AND SECTIONS	332	
2x6 WD FRAMING MEMBER	SEE NOTES AND SECTIONS	484	
2x10 WD FRAMING MEMBER	SEE NOTES AND SECTIONS	388	
2x12 WD FRAMING MEMBER	SEE NOTES AND SECTIONS	24	
3x6 WD X-BRACING FRAMING MEMBER	SEE NOTES AND SECTIONS	176	
3x10 WD FRAMING MEMBER	SEE NOTES AND SECTIONS	185	
3x12 WD FRAMING MEMBER	SEE NOTES AND SECTIONS	6	

FLOOR MATERIAL TAKEOFF				
DECRIPTION	MATERIAL: NAME	MATERIAL: AREA	REMARKS	
1 1/2" WD 2x6 FLOOR DECKING	SEE NOTES AND SECTIONS	5125 SF		



TYPICAL BOARDWALK SECTION S-3.00 3/4" = 1'-0"

1. ALL FASTENERS AND HARDWARE SUCH AS BOLTS, WASHERS, NUTS, NAILS, SCREWS, ETC.

SHALL BE STAINLESS STEEL.

ALL PLATES, ANGLES AND WELDED PLATE ASSEMBLIES SHAL BE HOT DIPPED GALVANIZED.
 CONNECT THE ABUTTING 2x10 MEMBERS TO EACH OTHER WITH (2) PAIRS OF (2) 10d SST WD

Certificate of Authorization No.29348 CONSULTING STRUCTURAL **ENGINEERS**

3440 N.E. 12TH AVENUE OAKLAND PARK, FL 33334 PH: 954-324-4730 FAX: 954-653-4170

NOTE: MUE16101902 THESE DRAWINGS, ALONG WITH THE ARCHITECTURAL DRAWINGS, AND PROJECT MANUAL CONSTITUTE A SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE CONSTRUCTION OF THIS PROJECT.

Exhibit 3F - Part 6 of 6 Page 39 of 46

10/22/2019 4:18 PM

4X4 WD POST

SEE ARCH.

PLANS
T/BOARDWALK

(2) 3/4" DIA. SST THRU

BOLT, TYP.

(2) 3/4" DIA.

SST THRU

BOLT, TYP.

3/4" DIA. SST

THRU BOLT, TYP.

(2) #10 x3" LONG SST

WD SCREWS PER

DECK TO JOIST

CONNECTION, TYP.

2x6 WOOD

DECK

SST

SIMPSON -

LU26, TYP.

S-3.00 3/4" = 1'-0"

(2) 2x6 AT

ÉACH

RAILING

2 TYPICAL RAILING POST CONNECTION

[\]_2x10

(2) #10 x3" LONG SST

WD SCREWS

INSTALLED THRU

PRE-DRILLED HOLES

IN THE 2x4 WD

SECTIONS, TYP.

2x10-

3x10

THE X-BRACING MEMEBERS

TO BE PROVIDED WHEN THE

HEIGHT OF THE BOARDWALK

IS GREATER THAN 3 FEET ABOVE THE GRADE

2x6 WOOD_

DECK

2x10—

(2) #10 x3" LONG SST

WD SCREWS PER

DECK TO JOIST

CONNECTION, TYP.

CONNECT THE ABUTTING

2x10 MEMBERS TO EACH

OTHER WITH (2) 10d SST

WD SCREWS @12"C/C

SST SIMPSON

HTSQ16ZKT

CONNECTOR,

TYP.

CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE

PROJECT # 11419
STORMWATER PRESERVE
RIVER OAKS NEIGHBORHOOD
PROPOSED

SHEET NO.

S-4.00

CAD FILE:

DRAWING FILE NO. 4-135-81 CAM #19-1115 Exhibit 3F - Part 6 of 6 Page 40 of 46

NOTE: MUE16101902
THESE DRAWINGS, ALONG WITH THE ARCHITECTURAL DRAWINGS, AND PROJECT MANUAL CONSTITUTE A SINGULAR CONTRACT DOCUMENT AND MUST BE USED TOGETHER IN THEIR ENTIRETY IN THE CONSTRUCTION OF THIS PROJECT.

10/22/2019 4:18 PM

1 3D- VIEW #1 s-4.00

Certificate of Authorization No.29348

CONSULTING STRUCTURAL ENGINEERS

3440 N.E. 12TH AVENUE OAKLAND PARK, FL 33334 PH: 954-324-4730 FAX: 954-653-4170



DATE: 09/05/2019	TIME: 10:00	●AM ○PM	WE BUILD COMMUNITY
OPENING DATE : 09/26/2019	PROCUREMENT CONTACT: Penelo	ope Burger	
	ITB TITLE: River Oaks Preserve		
NAME	COMPANY	PHONE	EMAIL
Anthony Bonet	Waspoint Contracting	786-608-1406	abonet @waypoint c/1.08
BAMY REED	Shoreline Foundation		broad@Shorelinefoundationicon
Stefanje Martillo	Continental Construction USAUC	305-704-7396	Into OUSAcontinental.com
Wendi Nance	tarthBalance	561-158-04	24 whance acarlibalance
ED BROCCOL	MBIZ CONSTRUCTION,	4c. 934-486-84	toy ebrocembronstruction.
DON WEST	WEST COWSTRUCTION	561-588-2022	DIALEST & WEST CONSTRUCTION INC.
Kameisha Hamito		954 828 4020	shamilton a fortlanderdate.
Penelpo Birgia	Coll	954 878 5189	phungers Fort Condendate gov
	·		
	aved By: Jodi S. Hart. Manager of Procurement and Contracts		

Form approved By: Jodi S. Hart, Manager of Procurement and Contracts | Page: 1 of 1 | Rev: 3 | Revision Date: 04/16/2018 | Author: Life

Q:\PURCHASING\FINAL FORMS\FINAL FORMS - ISO COMPLIANT\Approved Forms\ITB Documents

BID NO. 12242-493 RIVER OAKS PRESERVE PROJECT (P11419)

ADDENDUM NO. 3

ISSUED: September 25, 2019

This Addendum is being issued to provide the following information and clarification/response to post Q&A concerns. It is hereby made a part of the Plans and Specifications and shall be included with all contract documents.

Acknowledge receipt of this Addendum by inserting its number and date on the CITB Construction Bid Certification Page.

1. Bid Opening date has been changed to FRIDAY, OCTOBER 4, 2019.

2. CLARIFICATION/RESPONSES:

a) Question: Is there a bid bond form that needs to be used

for the above project?

Response: The City does not provide bid bond forms. Please

check with your bonding company for assistance with

bid bonds.

b) Question: What does the contractor do with the "excavated

material"? Will it be used to build the embankment berm? or does it have to be hauled and disposed

of?

Response: Excavated material to be used to build the embankment

berm. Excess excavated material to be hauled off-site.

c) Question: Does the "muck" have to be purchased and

imported by the contractor or is this material

available on site?

Response: See Section 02980, Wetland Planting, Specification

2.01 C. If the material on site meets the planting

substrate specification, then it can be used.

d)	Question:	Do all trees that remain have to have protecting
		fencina?

Response:

Maureen Revris, MSA, 6 RRS

Yes, all trees to remain must be protected with protecting fencing. Please see the attached tree protection detail from the City of Fort Lauderdale. This detail is included in our tree removal plan set that we are waiting approval on for the tree removal permit.

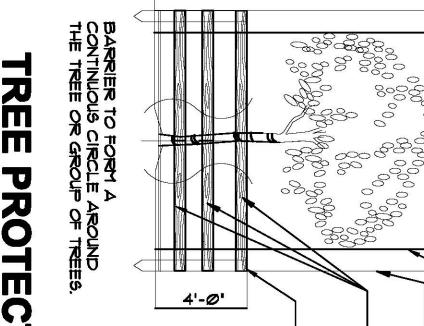
All other terms, conditions, and specifications remain unchanged.

Procurement Specialist		
Company Name:	(place print)	
Bidder's Signature:	(please print)	
Date:		



TREE PROTECTION DETAIL

Rev: 1 | Revision Date: 4/10/2018 | I.D. Number: TPD



DRIP LINE

DIDI NE

ð

DRIPLINE
OR MORE WHERE POSSIBLE.

THREE ROWS OF SPLIT RAIL FENCING (2" × 4")
TO BE PLACED AROUND ALL EXISTING TREES
TO REMAIN.

WOODEN STAKES (2' × 4" × 5' MIN.) ON 5'
CENTERS - TO SUPPORT SPLIT RAIL FENCING.

CONTRACTOR TO INSTALL PROTECTIVE FENCE BARRIER AROUND ALL EXISTING TREES TO REMAIN- AT THE START OF THE PROJECT-FENCE TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT.

CONTRACTOR SHALL TAKE EXTRA CARE
DURING EARTHWORK AND UTILITY OPERATIONS
TO PROTECT ALL EXISTING TREES - AND SHALL
BE RESPONSIBLE TO REPLACE ANY TREES
DAMAGED DURING CONSTRUCTION.

N.T.S.

Question and Answers for Bid #12242-493 - River Oaks Preserve Project P11419

Overall Bid Questions

Question 1

What is the official budget for this project? (Submitted: Aug 23, 2019 8:44:05 AM EDT)

Answer

- A. The budget is approximately 1.9M (Answered: Aug 27, 2019 10:41:54 AM EDT)

Question 2

Has design of the park already been established? Or is there opportunity to aid with design of the open space, wetlands, and elevated boardwalk? If listed in a different solicitation, where would we find this? (Submitted: Aug 23, 2019 2:06:47 PM EDT)

Answer

- Yes, Design of the park is as noted on the bid package. There is no possibility to aid with design of the open space, wetlands or elevated boardwalk. (Answered: Aug 27, 2019 10:22:50 AM EDT)

Question 3

Structural fiber composites offer a 100-year material design and ultra low 30 year maintenance solution. Can structural composite materials be considered for the entire boardwalk? (Submitted: Aug 28, 2019 9:04:17 AM EDT)

Answer

- Please refer to General Conditions Section GC-03 Substitutions. (Answered: Sep 4, 2019 9:57:34 AM EDT)

Question 4

The plan pages are not to scale. Please provide corrected plans. (Submitted: Sep 4, 2019 3:07:55 PM EDT)

- See Addendum No. 2. (Answered: Sep 5, 2019 4:21:01 PM EDT)

Question 5

Will a sign in sheet from the pre-bid meeting be posted? (Submitted: Sep 6, 2019 9:56:06 AM EDT)

Answer

- Yes, pre-bid sign-in sheet is posted. (Answered: Sep 9, 2019 4:15:35 PM EDT)

Question 6

After reviewing the scope of work and forecasting a schedule for completion, we conclude that the 150 days to substantial completion is insufficient time for this project. Will the City consider increasing the time to substantially complete by an additional 90 days? (Submitted: Sep 9, 2019 3:12:40 PM EDT)

Answei

- The request for an additional 90 days extension to substantial will require FDEP pre-approval. Therefore, Bidders are to bid on the solicitation as released. (Answered: Sep 23, 2019 8:50:50 AM EDT)

Question 7

Please Clarify Sections where notations are missing. (Submitted: Sep 16, 2019 4:17:10 PM EDT)

Answer

- Please provide/indicate the sections where the notations are missing. (Answered: Sep 25, 2019 11:07:48 AM EDT)

Question 8

Measurement and Payment Item 1.17: please confirm that the Contractor is to included watering for one year. (Submitted: Sep 16, 2019 4:34:35 PM EDT)

Answer

- Yes, watering for one year should be included. (Answered: Sep 25, 2019 2:22:44 PM EDT)

Question 9

Is there a bid bond form that needs to be used

for the above project? (Submitted: Sep 25, 2019 3:55:49 PM EDT)

Answer

- The City does not provide bid bond forms. Please check with your bonding company for assistance with bid bonds. (Answered: Sep 25, 2019 3:58:19 PM EDT)

Question 10

What does the contractor do with the "excavated material"? Will it be used to build the embankment berm? or does it have to be hauled and disposed of? (Submitted: Sep 25, 2019 3:56:09 PM EDT)

Answer

- Excavated material to be used to build the embankment berm. Excess excavated material to be hauled off-site. (Answered: Sep 25, 2019 3:58:19 PM EDT)

Question 11

Does the "muck" have to be purchased and imported by the contractor or is this material available on site? (Submitted: Sep 25, 2019 3:56:28 PM EDT)

Answer

See Section 02980, Wetland Planting, Specification
 2.01 C. If the material on site meets the planting
 substrate specification, then it can be used. (Answered: Sep 25, 2019 3:58:19 PM EDT)

Question 12

Do all trees that remain have to have protecting fencing? (Submitted: Sep 25, 2019 3:56:48 PM EDT)

Answei

- Yes, all trees to remain must be protected with protecting fencing. Please see the attached tree protection detail from the City of Fort Lauderdale. This detail is included in our tree removal plan set that we are waiting approval on for the tree removal permit. (Answered: Sep 25, 2019 3:58:19 PM EDT)