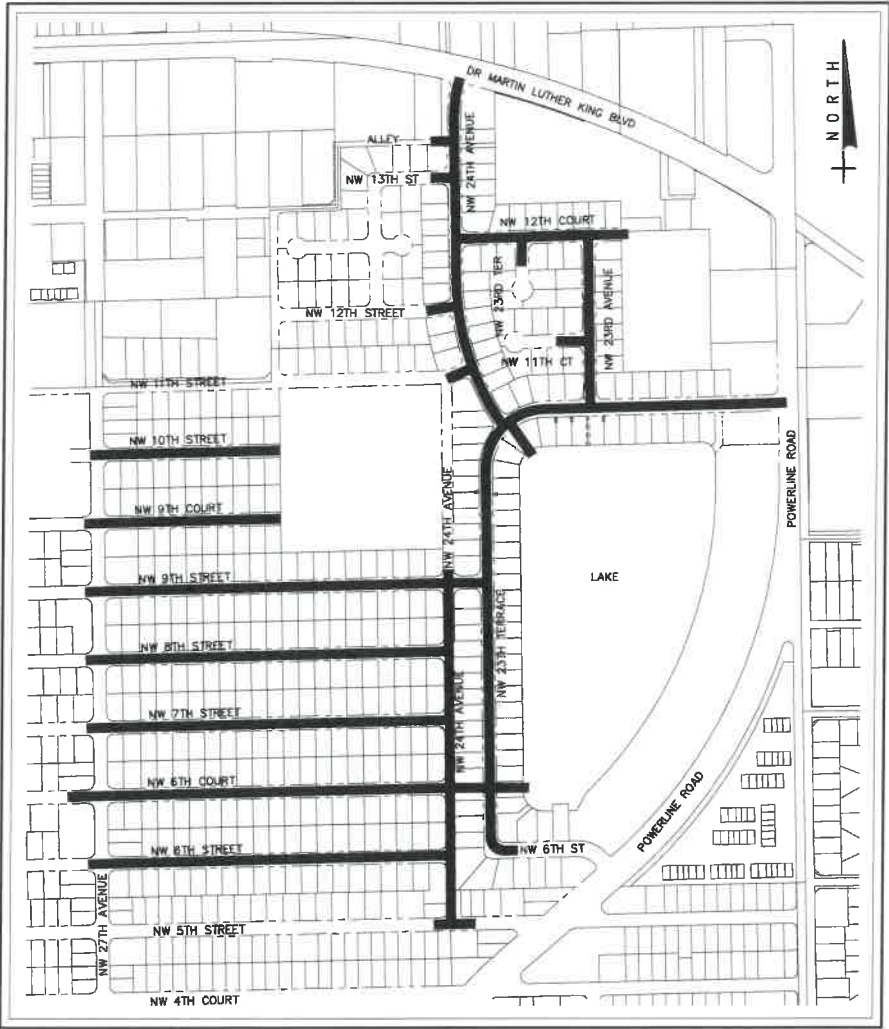


CITY OF POMPANO BEACH ESQUIRE LAKE NEIGHBORHOOD STORMWATER IMPROVEMENTS

CITY BID No. E-03-18

DRAWING LIST

SHEET	DRAWING	TITLE
GENERAL		
1	G-1	TITLE SHEET, LOCATION MAP AND DRAWING LIST
2	G-2	SURVEY LEGEND AND GENERAL NOTES
3	G-3	HORIZONTAL CONTROL DETAILS
4	G-4	KEY MAP
CIVIL		
5	C-1	NW 10TH STREET PLAN AND PROFILE - SHEET 1
6	C-2	NW 10TH STREET PLAN AND PROFILE - SHEET 2
7	C-3	NW 9TH COURT PLAN AND PROFILE - SHEET 3
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9	C-5	NW 9TH STREET PLAN AND PROFILE - SHEET 5
10	C-6	NW 9TH STREET PLAN AND PROFILE - SHEET 6
11	C-7	NW 9TH STREET PLAN AND PROFILE - SHEET 7
12	C-8	NW 9TH STREET PLAN AND PROFILE - SHEET 8
12A	C-8A	OUTFALL #5 PLAN AND PROFILE - SHEET 8A
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14	C-10	NW 8TH STREET PLAN AND PROFILE - SHEET 10
15	C-11	NW 8TH STREET PLAN AND PROFILE - SHEET 11
16	C-12	NW 8TH STREET PLAN AND PROFILE - SHEET 12
17	C-13	NW 7TH STREET PLAN AND PROFILE - SHEET 13
18	C-14	NW 7TH STREET PLAN AND PROFILE - SHEET 14
19	C-15	NW 7TH STREET PLAN AND PROFILE - SHEET 15
20	C-16	NW 7TH STREET PLAN AND PROFILE - SHEET 16
21	C-17	NW 6TH COURT PLAN AND PROFILE - SHEET 17
22	C-18	NW 6TH COURT PLAN AND PROFILE - SHEET 18
23	C-19	NW 6TH COURT PLAN AND PROFILE - SHEET 19
24	C-20	NW 6TH COURT AND OUTFALL #4 PLAN AND PROFILE - SHEET 20
25	C-21	NW 6TH STREET PLAN AND PROFILE - SHEET 21
26	C-22	NW 6TH STREET PLAN AND PROFILE - SHEET 22
27	C-23	NW 6TH STREET PLAN AND PROFILE - SHEET 23
28	C-24	NW 6TH STREET PLAN AND PROFILE - SHEET 24
29	C-25	NW 24TH AVENUE PLAN AND PROFILE - SHEET 25
30	C-26	NW 24TH AVENUE PLAN AND PROFILE - SHEET 26
31	C-27	NW 24TH AVENUE PLAN AND PROFILE - SHEET 27
32	C-28	NW 23RD TERRACE PLAN AND PROFILE - SHEET 28
33	C-29	NW 23RD TERRACE PLAN AND PROFILE - SHEET 29
34	C-30	NW 23RD TERRACE PLAN AND PROFILE - SHEET 30
35	C-31	NW 23RD TERRACE AND NW 10TH COURT PLAN AND PROFILE - SHEET 31
36	C-32	NW 10TH COURT PLAN AND PROFILE - SHEET 32
37	C-33	NW 10TH COURT PLAN AND PROFILE - SHEET 33
38	C-34	OUTFALL #6 PLAN AND PROFILE - SHEET 34
39	C-35	NW 24TH AVENUE PLAN AND PROFILE - SHEET 35
40	C-36	NW 24TH AVENUE PLAN AND PROFILE - SHEET 36
41	C-37	NW 24TH AVENUE PLAN AND PROFILE - SHEET 37
42	C-38	NW 12TH COURT PLAN AND PROFILE - SHEET 38
43	C-39	NW 12TH COURT PLAN AND PROFILE - SHEET 39
44	C-40	NW 23RD AVENUE AND OUTFALL #7 PLAN AND PROFILE - SHEET 40
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46	D-1	STANDARD DETAILS - SHEET 1 OF 10
47	D-2	STANDARD DETAILS - SHEET 2 OF 10
48	D-3	STANDARD DETAILS - SHEET 3 OF 10
49	D-4	STANDARD DETAILS - SHEET 4 OF 10
50	D-5	STANDARD DETAILS - SHEET 5 OF 10
51	D-6	STANDARD DETAILS - SHEET 6 OF 10
52	D-7	STANDARD DETAILS - SHEET 7 OF 10
53	D-8	STANDARD DETAILS - SHEET 8 OF 10
54	D-9	STANDARD DETAILS - SHEET 9 OF 10
55	D-10	STANDARD DETAILS - SHEET 10 OF 10



LOCATION MAP
NTS



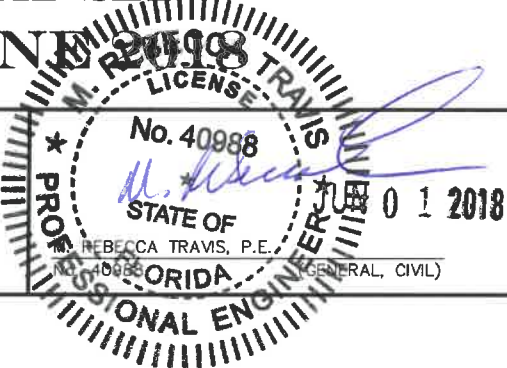
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- THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS ON OR ADJACENT TO PAVEMENT MARKINGS, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLUNKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK AND ASPHALT WORK.

BID SET

JUNE 2018



FOR INFORMATION REGARDING THIS PROJECT, CONTACT:

REBECCA TRAVIS, P.E.

MATHEWS CONSULTING, A BAXTER & WOODMAN COMPANY
477 S. ROSEMARY AVENUE, SUITE 330
WEST PALM BEACH, FL 33401
561/655-6175

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www.baxterwoodman.com EB-31795

TITLE SHEET AND
LOCATION MAP

SHEET: 1 of 55

DRAWING: G-1

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF CITY OF POMPAÑO BEACH, BROWARD COUNTY, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, BROWARD COUNTY HEALTH DEPARTMENT, FLORIDA DEPARTMENT OF TRANSPORTATION, AND NATIONAL CODES WHERE APPLICABLE.
- ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES SHALL BE STRICTLY OBSERVED.
- ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION OVER THE R/W WHERE THE PROJECT IS CONSTRUCTED.
- MAINTENANCE OF TRAFFIC (MOT) PLANS SHALL MEET THE REQUIREMENTS OF SECTION 102 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS FURTHER DEFINED IN THE SPECIFICATIONS OF THESE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL PREPARE AND SUBMIT MOT PLANS TO CITY OF POMPAÑO BEACH FOR REVIEW AND APPROVAL FOR WORK TO BE DONE WITHIN OR ADJACENT TO IMPROVED RIGHT-OF-WAY.
- CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
- LOCATIONS OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE APPROXIMATE AND ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN NOR FOR ANY FACILITY NOT SHOWN. THE CONTRACTOR SHALL LOCATE OR EXPOSE ALL UTILITIES WITHIN THE PROPOSED WORK AREAS AND AT CRITICAL LOCATIONS TO VERIFY UTILITY LOCATIONS AND PIPE LAYING SCHEDULES PRIOR TO SUBMITTING SHOP DRAWINGS. THIS SHALL BE DONE WITHIN 30 DAYS AFTER NOTICE TO PROCEED. THE INFORMATION OBTAINED (ELEVATION, SEPARATION DISTANCE, PIPE MATERIAL AND SIZE, ETC.) SHALL BE MADE PART OF THE CONTRACTOR'S SUBMITTAL FOR ALL PIPING.
- CONTRACTOR SHALL OBTAIN THE SERVICES OF SUNSHINE STATE ONE CALL OF FLORIDA (811), INC. AS REQUIRED BY FLORIDA STATUTES. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES.
- REUSE MAINS ARE TO BE LAID WITHIN 0.2 FEET OF THE DESIGN PROFILE.
- COVER SHALL BE A MINIMUM OF 3.0 FEET (TYPICAL) FOR WATERMAINS UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL DELETERIOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.
- IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
- PROPOSED TRUNCATED DOMED MATS SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX 304 AND SHALL BE ON THE FDOT QUALIFIED PRODUCTS LIST (QPL). MATS SHALL BE SAFETY YELLOW.
- 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.
- NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM CITY OF POMPAÑO BEACH.
- CONTRACTOR SHALL MAINTAIN HIS WORK WITHIN R/W AND EASEMENT LIMITS UNLESS OTHERWISE NOTED ON DRAWINGS.
- CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS REMOVED DURING CONSTRUCTION. ALL PROPOSED AND REPLACED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
- EXISTING TRAFFIC SIGNS TO BE RESET PER FDOT STANDARDS.
- CONTRACTOR SHALL ADJUST ALL UTILITY CASTING INCLUDING SANITARY SEWER MANHOLE TOPS, INLETS, VALVE BOXES AND SIMILAR STRUCTURES AS REQUIRED TO MEET FINAL GRADES.
- CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO LOCATE, EXCAVATE AND PREPARE FOR CONNECTIONS TO THE EXISTING SYSTEMS ALL AS SHOWN ON THE DRAWINGS.
- STATIONS SHOWN ON THE DRAWINGS ARE STATIONS 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.
- THE CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE CITY A MINIMUM OF 48 HOURS IN ADVANCE.
- CONTRACTOR SHALL NOT DISTURB EXISTING CITY MAINS OR STRUCTURES WITHOUT THE PRESENCE OF A CITY INSPECTOR. CITY UTILITY SYSTEM VALVES AND APPURTENANCES MAY ONLY BE OPERATED BY CITY PERSONNEL.
- SITE INFORMATION BASED ON A SURVEY PREPARED BY: COMPASS POINT SURVEYORS
- CLEARING AND GRUBBING SHALL INCLUDE REMOVAL OF ALL VEGETATION WITHIN RIGHT-OF-WAY AS REQUIRED TO CONSTRUCT THE REQUIRED IMPROVEMENTS.
- PROJECT SITE SAFETY:
 - THE ENGINEER/OWNER OR THEIR EMPLOYEES HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER THE CONTRACTOR, ANY SUB-CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY JOBSITE HEALTH OR SAFETY PRECAUTIONS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY, AND WARRANTIES THAT THIS INTENT IS MADE EVIDENT BY THE AGREEMENT BETWEEN OWNER AND CONTRACTOR.
 - ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS OR ENCOUNTERED THROUGH THE PROGRESSION OF WORK AT THIS PROJECT SITE ARE ASSUMED TO BE LIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS WHEN WORKING AROUND EXISTING OVERHEAD OR UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL COORDINATE AND EMPLOY THE SERVICES OF FPL TO SUPPORT ANY EXISTING POWER POLES WITHIN THE IMMEDIATE VICINITY OF TRENCHES.
- CONTRACTOR SHALL LIMIT THE CONSTRUCTION IMPACTS TO DRIVEWAYS AS SHOWN ON THE PLANS. THE COST OF THE SHEETING, SHORING, ETC. OF THE TRENCH SHALL BE INCLUDED IN THE COSTS OF DEEP UTILITY CONSTRUCTION AS NECESSARY TO LIMIT TRENCH WIDTH. THE LIMIT OF DRIVEWAY REPLACEMENT SHALL BE SAWCUT.

GENERAL INFORMATION

- AT&T TELEPHONE, FLORIDA POWER AND LIGHT, CABLE TV, GAS, ETC. ARE TAKEN FROM FIELD INSPECTIONS AND SKETCHES PROVIDED BY UTILITIES AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES NO LESS THAN 48 HOURS BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ACCURATELY LOCATE AND UNCOVER ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION WHERE CROSSING OR PARALLELING OF EXISTING UTILITIES OCCUR. ANY DAMAGE RESULTING FROM THE CONTRACTORS OPERATION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- ALL MATERIALS SHALL CONFORM TO CITY OF POMPAÑO BEACH STANDARD SPECIFICATIONS.

EROSION CONTROL

- ALL STORM SEWER INLET GRATES TO BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
- CUT AND FILL SLOPES TO BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SILT FENCES TO BE USED WHERE NECESSARY.
- CONSTRUCTION VEHICLE ACCESS ROUTES SHALL BE SWEEP CLEAN OF SEDIMENT, CONCRETE AND OTHER CONSTRUCTION MATERIALS AS NEEDED.
- ALL BERMS, DIKES AND SPOIL PILES SUBJECT TO EROSION MUST BE STABILIZED OR CONTAINED TO PREVENT EROSION AND RUNOFF FROM THE PROJECT.
- THE QUALITY OF THE DISCHARGE WATER FROM Dewatering AND CONSTRUCTIONS ACTIVITIES SHALL MEET STATE WATER QUALITY STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND PERMITTING OF A STORMWATER POLLUTION PREVENTION PLAN FOR THE PROJECT.

SURVEYOR'S REPORT

TYPE OF SURVEY:

TOPOGRAPHIC SURVEY
ESQUIRE LAKE NEIGHBORHOOD DRAINAGE PROJECT, POMPAÑO BEACH, BROWARD COUNTY, FLORIDA

SURVEY PREPARED BY:

COMPASS POINT SURVEYORS, PL., 2101 N.W. 33RD STREET SUITE #100, POMPAÑO BEACH, FLORIDA 33069, OFFICE: 954-332-8181

MAP OF SURVEY:

THE MAP AND REPORT ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
SEE MAP OF SURVEY SHEET 01 OF 40 THRU SHEET 22 OF 40.

LEGAL DESCRIPTION:

NOT APPLICABLE.

ACCURACY:

1. ALL MEASUREMENTS, DISTANCES, ELEVATIONS AND FEATURES WERE PERFORMED IN STRICT ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS SET FORTH IN CHAPTER SJ-17.050, SJ-17.051 AND SJ-17.052 FLORIDA ADMINISTRATIVE CODE.

2. METHODS FOR ALL CONTROL MEASUREMENTS WERE MADE WITH A TRANSIT AND STEEL TAPE, OR DEVICES WITH EQUIVALENT OR HIGHER DEGREES OF ACCURACY.

3. THE ACCURACY STANDARD USED FOR THIS SURVEY, AS CLASSIFIED IN THE MINIMUM TECHNICAL STANDARDS SJ-17.050, SJ-17.051 AND SJ-17.052 F.A.C. IS "COMMERCIAL HIGH RISK". THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF SURVEY IS 1 FOOT IN 10,000 FEET. THIS SURVEY IS BASED ON REPETITIVE RTK GPS AND ROBOTIC TOTAL STATION OBSERVATIONS ON MULTIPLE PROJECT HORIZONTAL AND VERTICAL CONTROL POINTS TO OBTAIN A REDUNDANCY OF MEASUREMENT. HORIZONTAL AND VERTICAL CLOSURE ACHIEVED, EXCEED THE MINIMUM ACCURACY REQUIREMENTS FOR THIS SURVEY.

DATA SOURCES:

1. THOSE CERTAIN PLATS WERE UTILIZED IN THE PREPARATION OF THIS SURVEY:

- COLLIER CITY, P.B. 31, PG. 01
- ESQUIRE LAKE ESTATES SECTION 1, P.B. 82, PG. 20
- ESQUIRE LAKE ESTATES SECTION 3, P.B. 67, PG. 27
- ESQUIRE LAKE ESTATES SECTION 4, P.B. 71, PG. 42
- COLLIER CITY ADDITION, P.B. 73, PG. 47
- CO-DAN ESTATES, P.B. 76, PG. 04
- SCHOOL SITE 3220, P.B. 148, PG. 50
- PINNACLE VILLAGE, P.B. 173, PG. 182

2. MULTIREOLUTION SEAMLESS IMAGES (MxSD), DOWNLOADED FROM LAND BOUNDARY INFORMATION SYSTEM (LABINS) WWW.LABINS.ORG, WERE UTILIZED IN THE PREPARATION OF THIS SURVEY.

3. ELEVATIONS SHOWN HEREON ARE IN FEET AND REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). PARENT BENCH MARK: NGS PID D00644, DESIGNATION 005, ELEVATION = 10.31 FEET.

4. BEARINGS AND COORDINATES SHOWN HERE ON ARE IN FEET AND REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE, NATIONAL GEODETIC SURVEY (NGS) NORTH AMERICAN DATUM (NAD) OF 1983/1990, UTILIZING THE LINGERMAN GPS RTK NETWORK. PARENT CONTROL STATION: HONOLULU COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION/EASTERN BROWARD HORIZONTAL CONTROL NETWORK POINTS: E1-3, NORTHING = 595680.583 FEET, EASTING = 283138.056 FEET AND E14, NORTHING 690822.233 FEET, EASTING 283178.780 FEET.

5. HORIZONTAL/VERTICAL CONTROL POINTS USED FOR THIS SURVEY: CONTROL POINT 16, SET NAIL AND TINTAB, "NO ID", NW 8TH STREET STATION 51+00, OFFSET 0.00 FEET RIGHT, NORTHING 938430.55 FEET, EASTING 931880.79 FEET, ELEVATION = 11.29 FEET AND CONTROL POINT 10, SET NAIL & TINTAB "NO ID", NW 8TH STREET STATION 120+78.72, OFFSET 0.00 RIGHT, NORTHING 933471.04 FEET, EASTING 932891.49 FEET, ELEVATION = 10.91 FEET, AND THE LINE BETWEEN SAID CONTROL POINT NUMBERS 16 & 10 BEING THE BASIS OF BEARING N89°38'39"E, AS SHOWN ON THE MAP OF SURVEY.

6. BY GRAPHIC PLOTTING ONLY, THE SUBJECT PROPERTY LIES WITH ZONE 4A, ELEVATION 11, AS SHOWN ON THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 120055 0120 F, PANEL 120 OF 318, MAP EFFECTIVE DATE: AUGUST 18, 1992.

7. ALL SUBSURFACE LOCATIONS DEPICTED HEREON ARE AS MARKED OUT IN THE FIELD BY OTHERS, UNDER "SUNSHINE STATE ONE CALL" TICKET NUMBERS: 135402789, 135402701, 135402695, 135402541, 135402623, 135402479, AND 135402687. COMPASS POINT SURVEYORS, PL. ASSUMES NO LIABILITY AS TO THE ACCURACY OF THE SUBSURFACE LOCATIONS AS MARKED OUT BY OTHERS.

LIMITATIONS:

- PURPOSE OF SURVEY: LOCATE SELECTED NATURAL AND ARTIFICIAL FEATURES OF A PART OF THE EARTH'S SURFACE TO DETERMINE HORIZONTAL AND VERTICAL SPATIAL RELATIONS TO BE UTILIZED FOR THE PURPOSE OF DESIGN.
- LAST FIELD DATE OF SURVEY: 07/18/14, AS REFERENCED IN FIELD BOOK 325, PAGES 1-23 AND FIELD BOOK 326 PAGES 1-59.
- THIS IS NOT A BOUNDARY SURVEY.
- PRINTED DIMENSIONS SHOWN ON THE SURVEY SUPERSEDE SCALED DIMENSIONS. THERE MAY BE ITEMS DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION.
- USE OF THIS SURVEY BY ANYONE OTHER THAN THOSE PREPARED FOR OR CERTIFIED TO, WILL BE THE RE-USERS SOLE RISK WITHOUT LIABILITY TO THE SURVEYOR.
- SHOWN ANYWHERE ON THIS SURVEY, THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF A PROFESSIONAL OPINION BASED UPON THE SURVEYOR'S BEST KNOWLEDGE, INFORMATION AND BELIEF, AND THAT IT CONSTITUTES NEITHER A GUARANTEE NOR A WARRANTY.

BOUNDARY INCONSISTENCIES:

NOT APPLICABLE.

PREPARED FOR AND CERTIFIED TO:

MATHEWS CONSULTING, INC.
477 S. ROSEMARY AVE., SUITE 330
WEST PALM BEACH, FL 33401
TEL: (561) 655-6175

SURVEYOR AND MAPPER IN RESPONSIBLE CHARGE:

TERRY D. FERGLISON
PROFESSIONAL SURVEYOR AND MAPPER
LICENSE NUMBER LS 4935
STATE OF FLORIDA
TEL: (727) 239-9806

SURVEY PREPARED BY:



2101 N.W. 33RD STREET, SUITE 100, POMPAÑO BEACH, FL 33069 - PH. 954.332.8181 - LB No.: 7535

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SURVEY LEGEND:

ASPH. = ASPHALT	HH = HAND HOLE	R/C = ROD AND CAP
BPP = BLACK PLASTIC PIPE	HDPE = HIGH DENSITY POLYETHYLENE PIPE	RCP = REINFORCED CONCRETE PIPE
BST = BELLSOUTH TELEPHONE	INV = INVERT	RAW = RIGHT OF WAY
CL = CENTERLINE	I.R.C. = IRON ROD & CAP	RWM = RIGHT OF WAY MAP
C = CALCULATED	L = LENGTH	RLS = REGISTERED LAND SURVEYOR
CFT = CALCULATED FROM FIELD TRAVERSE	L.F. = LINEAR FEET	SEC. = SECTION
CLF = CHAIN LINK FENCE	LSA = LANDSCAPE AREA	STA. = STATION
CLP = CONCRETE LIGHT POLE	LW.D.D. LAKE WORTH DRAINAGE DISTRICT	T.O.N. = TOP OF NUT
CMP = CORRUGATED METAL PIPE	MP = METAL PIPE	T.O.P. = TOP OF PIPE
CONC. = CONCRETE	NA = NOT ACCESSIBLE	T.O.W. = TOP OF WALL
CP = CONCRETE PIPE	ND = NAIL AND DISK	U.E. = UTILITY EASEMENT
D = CENTRAL ANGLE	OHW = OVERHEAD WIRE	UNK = UNKNOWN
DIP = DUCTILE IRON PIPE	O.R.B. = OFFICIAL RECORD BOOK	VERT. = VERTICAL
DEP. = DEPRESSED (CURB)	P.B. = PLAT BOOK	V.G. = VALLEY GUTTER
EL = ELEVATION	PBC = PALM BEACH COUNTY	VCP = VITRIFIED CLAY PIPE
EP = EDGE OF PAVEMENT	P.B.C.R. = PALM BEACH COUNTY RECORDS	WPP = WOOD POWER POLE
EW = EDGE OF WATER	PG. = PAGE	CMU = CONCRETE MASONARY UNIT
F.D.O.T. = FLORIDA DEPARTMENT OF TRANSPORTATION	PP = PLASTIC PIPE	
F.P.L. = FLORIDA POWER AND LIGHT	PK = PARKER-KALON BRAND	
F.F. = FINISH FLOOR ELEVATION	PRM = PERMANENT REFERENCE MARKER	
FND = FOUND	PVC = POLYVINYL CHLORIDE	
	R = RADIUS	
	ERCP = ELLIPTICAL REINFORCED CONCRETE PIPE	

SURVEY SYMBOL LEGEND:

Ø	DIAMETER	⊞	CATCH BASIN	Ⓐ	AIR RELEASE VALVE
⊞	ELECTRIC OUTLET	⊞	= RED FLAG	Ⓛ	FP: MANHOLE
BFP	BACK FLOW PREVENTER	⊞	= WHITE FLAG	Ⓜ	UNKNOWN TYPE MANHOLE
W	WATER METER	⊞	= BLUE FLAG	Ⓢ	DECORATIVE MAILBOX
IV	IRRIGATION VALVE	⊞	= YELLOW FLAG	Ⓢ	SANITARY MANHOLE
SV	SANITARY VALVE	⊞	= ORANGE FLAG	Ⓢ	STORM MANHOLE
WV	WATER VALVE	⊞	= GREEN FLAG	LSA	LIMITS OF LANDSCAPING
SP	SPIGOT	⊞	= BLUE PAINT MARKS	CO	LIMITS OF TREE CANOPY
—	SIGN	⊞	= RED PAINT MARKS	○	BUSH/HEDGE
—OHW—	OVERHEAD UTILITY WIRE	⊞	= GREEN PAINT MARKS	○	CLEAN OUT
X 0.00	EXISTING ELEVATION	⊞	= ORANGE PAINT MARKS	○	GUY WIRE ANCHOR
○	FIRE HYDRANT	⊞	= PURPLE PAINT MARKS	⊞	SITE BENCHMARK
○	WOOD POWER POLE	⊞	= WHITE PAINT MARKS	⊞	MONITORING WELL
○	CONCRETE POWER POLE	⊞	= SPRINKLER HEAD	⊞	SET NAIL AND DISC LB #6599
○	GROUND LIGHT	⊞	= LIGHT POST	—	RIGHT-OF-WAY LINE
○	WOOD POLE STREET LIGHT	⊞	= MAILBOX	---	LANDSCAPE AREA
○	CONCRETE POLE STREET LIGHT	⊞	= WOOD GUIDE POLE	—	GUARD RAIL
FO	FIBER OPTIC MARKER	⊞	= CONCRETE SIGNAL LIGHT POLE	⊞	DECORATIVE LIGHT POST
EM	ELECTRIC METER	⊞	= TRASH CAN	⊞	CONCRETE LIGHT POST
⊞	ELECTRIC HANDHOLD	⊞	= MONITORING WELL	⊞	GAS LID
⊞	UNKNOWN HANDHOLD	⊞	= ELECTRICAL PANEL	⊞	TRAFFIC SIGNAL BOX
⊞	CABLE/TV HANDHOLD	⊞	= TRAFFIC HANDHOLD	⊞	FIBER OPTIC HANDHOLE
EBD	ELECTRIC BOX	⊞	= GAS TEST BOX	⊞	UNDERGROUND GAS MARKER
ICV	IRRIGATION CONTROL VALVE IN CONC. BOX	⊞	= UNKNOWN RISER BOX	U.G. MKR	
⊞	PARKING METER	⊞	= CONCRETE UTILITY POLE	YD	YARD DRAIN
RCWV	RECLAIMED WATER VALVE	⊞	= CABLE PEDESTAL	YD	SQUARE YARD DRAIN
KPD	KEY PAD	⊞	= WATER METER	⊞	COMMUNICATION PEDESTAL
⊞	ELECTRIC TRANSFORMER	⊞	= DOUBLE WATER METER		
⊞	CURB INLET				

SURVEY TREE LEGEND:

00°	- ACACIA	00°	- UNKNOWN	00°	- CITRUS	00°	- PAPAYA
00°	- PALM SPECIES	00°	- BOTTLEBRUSH	00°	- CACTUS	00°	- CYPRESS
00°	- BANANA	00°	- MAPLE	00°	- MANGO	00°	- GUMBO-LIMBO
00°	- FIGUS	00°	- MAHOGANY	00°	- HEDGE	00°	- BUSH
00°	- SEAGRAPE	00°	- OAK				
↑	INDICATES TRUNK DIAMETER						

NOTE: VERIFICATION OF TREE SPECIES SHOULD BE CONDUCTED BY A PROFESSIONAL ENGAGED IN THE FIELD OF NATURAL SCIENCE.

NO.	DATE	ISSUED FOR	APRVD BY
5	4/17/18	BROWARD COUNTY TRAFFIC ENGINEERING RFI #2	M.R.T.

DESIGNED:	M.R.T.
DRAWN:	J.A.J./K.C.
CHECKED:	D.L.M./A.C.
APPROVED:	D.L.M.



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VERIFY SCALE
1"
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT
PROJECT NO.: —
CAD REF.: 1800G02

CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS

SURVEY LEGEND AND GENERAL NOTES

DATE:	JUNE 2018
SHEET:	2 of 55
DRAWING:	G-2

Acad Version : R20.1s (LMS Tech)
User Name : J56666
Data Time : Fri, 01 Jun 2018 - 9:11am
Current Plot Style : B:\Cadd
Plot Name : \\WestPalmBeach\POWERS\181800-ESQUIRE LAKE STORMWATER IMPROVEMENTS\G-3.dwg
Lipoint Tab: G-3



HORIZONTAL CONTROL DETAIL

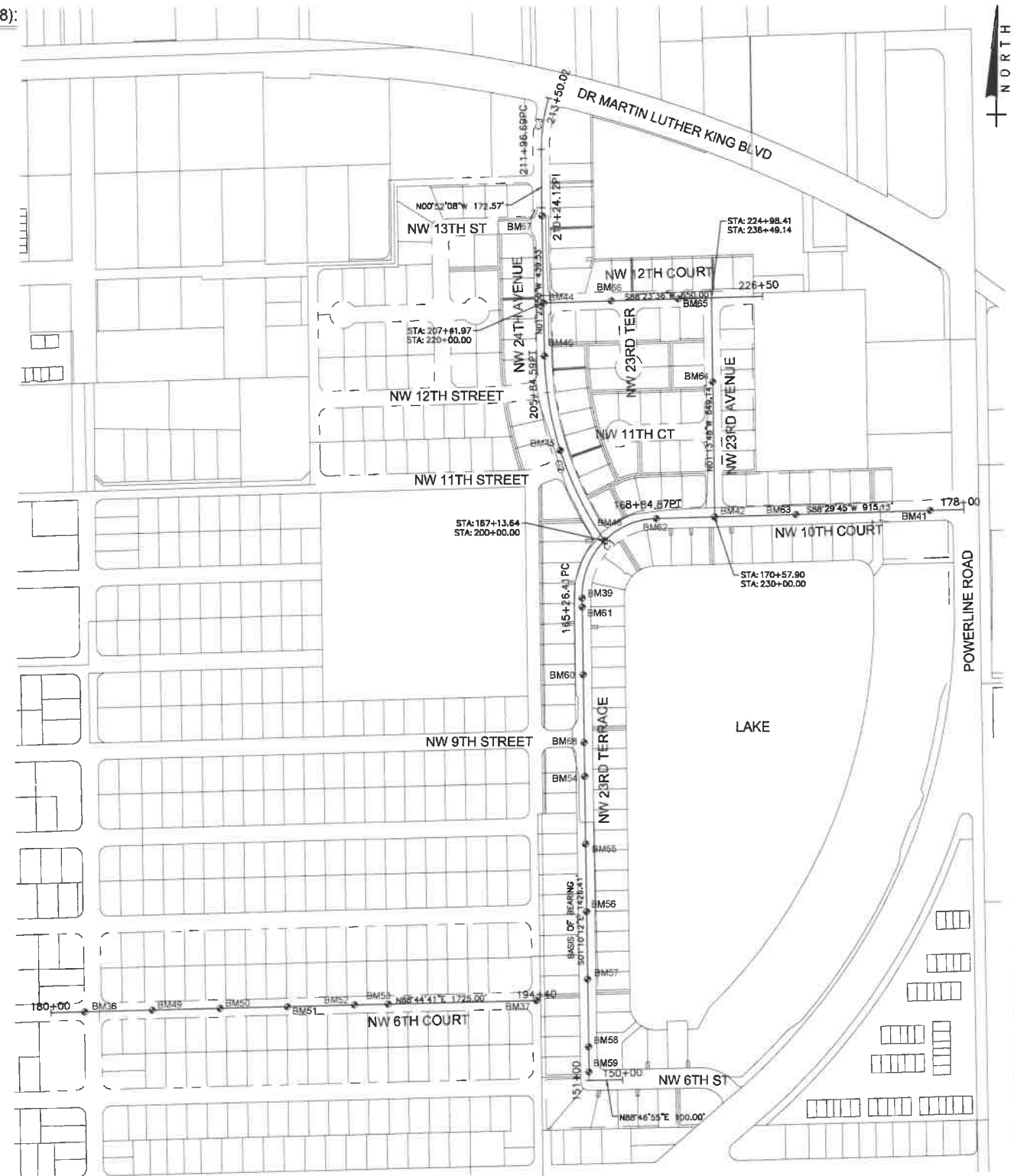
NTS

SITE BENCHMARKS (NAVD 88):

CONTROL POINT 6 STA: 123+35.78 0.00 RT & 44+34.40 0.00 RT N: 693728.10 E: 932988.85 SET NAIL & TIN TAB TBM EL: 10.41' (NAVD 88)	CONTROL POINT 9 STA: 118+20.57 0.00 RT & 44+34.40 0.00 RT N: 693970.05 E: 932364.89 SET NAIL & TIN TAB TBM EL: 7.11' (NAVD 88)	CONTROL POINT 11 STA: 28+11.82 0.00 RT N: 693970.05 E: 932364.89 TBM EL: 11.53' (NAVD 88)	CONTROL POINT 13 STA: 10+00.00 0.00 LT N: 694209.23 E: 931645.06 SET NAIL & TIN TAB TBM EL: 11.43' (NAVD 88)	CONTROL POINT 15 STA: 31+00.00 0.00 RT N: 693986.76 E: 931654.82 SET NAIL & TIN TAB TBM EL: 10.86' (NAVD 88)	CONTROL POINT 17 STA: 71+00.00 0.00 RT N: 693184.05 E: 931658.88 TBM EL: 10.86' (NAVD 88)	CONTROL POINT 20 STA: 110+50.00 0.00 LT N: 692443.39 E: 933033.19 SET NAIL & TIN TAB TBM EL: 11.38' (NAVD 88)
CONTROL POINT 8 STA: 113+07.78 0.00 RT & 104+45.84 0.00 RT N: 692700.45 E: 933013.96 SET NAIL & TIN TAB TBM EL: 10.86' (NAVD 88)	CONTROL POINT 10 STA: 120+78.72 0.00 RT & 64+31.08 0.00 RT N: 693471.04 E: 932991.49 SET NAIL & TIN TAB TBM EL: 10.91' (NAVD 88)	CONTROL POINT 12 STA: 17+13.76 0.00 LT N: 694227.12 E: 932368.59 SET NAIL & TIN TAB TBM EL: 11.36' (NAVD 88)	CONTROL POINT 14 STA: 21+00.00 0.00 RT N: 693953.42 E: 931652.97 SET NAIL & TIN TAB TBM EL: 11.35' (NAVD 88)	CONTROL POINT 16 STA: 51+00.00 0.00 LT N: 693439.55 E: 931660.78 SET NAIL & TIN TAB TBM EL: 11.29' (NAVD 88)	CONTROL POINT 18 STA: 91+00.00 0.00 LT N: 692671.47 E: 931668.43 SET NAIL & TIN TAB TBM EL: 11.34' (NAVD 88)	

SITE BENCHMARKS (NAVD 88):

BENCHMARK 36 SET NAIL & TIN TAB STA: 181+00.00 N: 692627.30 E: 931666.82 TBM EL: 11.39'	BENCHMARK 37 SET NAIL & TIN TAB STA: 194+38.67 N: 692956.63 E: 933005.37 TBM EL: 10.44'	BENCHMARK 38 SET NAIL & TIN TAB STA: 165+26.41 N: 694145.23 E: 933133.03 TBM EL: 10.51'	BENCHMARK 41 SET NAIL & TIN TAB STA: 177+00.00 N: 694401.19 E: 934166.54 TBM EL: 12.09'	BENCHMARK 42 SET NAIL & TIN TAB STA: 230+00.00 N: 694384.34 E: 933524.86 TBM EL: 9.92'	BENCHMARK 44 SET NAIL & TIN TAB STA: 220+00.00 N: 695019.35 E: 933512.52 TBM EL: 10.85'	BENCHMARK 45 SET NAIL & TIN TAB STA: 203+00.00 N: 694582.49 E: 933064.37 TBM EL: 10.26'	BENCHMARK 46 SET NAIL & TIN TAB STA: 169+84.57 N: 694962.02 E: 933016.31 TBM EL: 10.65'	BENCHMARK 48 SET NAIL & TIN TAB STA: 200+00.00 N: 694915.03 E: 933197.75 TBM EL: 10.06'	BENCHMARK 49 SET NAIL & TIN TAB STA: 183+00.00 N: 692531.68 E: 931688.77 TBM EL: 11.38'	BENCHMARK 50 SET NAIL & TIN TAB STA: 185+00.00 N: 692336.06 E: 932068.73 TBM EL: 11.17'	BENCHMARK 51 SET NAIL & TIN TAB STA: 187+00.00 N: 692940.45 E: 932266.68 TBM EL: 11.04'	BENCHMARK 52 SET NAIL & TIN TAB STA: 189+00.00 N: 692844.83 E: 932466.63 TBM EL: 10.81'	BENCHMARK 53 SET NAIL & TIN TAB STA: 190+00.00 N: 692847.02 E: 932566.61 TBM EL: 10.66'	BENCHMARK 54 SET NAIL & TIN TAB STA: 160+00.00 N: 693618.93 E: 933143.78 TBM EL: 10.18'	BENCHMARK 55 SET NAIL & TIN TAB STA: 158+00.00 N: 693418.97 E: 933147.87 TBM EL: 10.44'	BENCHMARK 56 SET NAIL & TIN TAB STA: 156+00.00 N: 693218.01 E: 933151.96 TBM EL: 10.18'	BENCHMARK 57 SET NAIL & TIN TAB STA: 154+00.00 N: 693019.09 E: 933156.03 TBM EL: 9.90'	BENCHMARK 58 SET NAIL & TIN TAB STA: 152+00.00 N: 692818.10 E: 933160.12 TBM EL: 10.04'	BENCHMARK 59 SET NAIL & TIN TAB STA: 151+25.00 N: 692744.11 E: 933161.62 TBM EL: 10.17'	BENCHMARK 60 SET NAIL & TIN TAB STA: 183+00.00 N: 693918.87 E: 933157.86 TBM EL: 10.49'	BENCHMARK 61 SET NAIL & TIN TAB STA: 165+00.00 N: 694118.83 E: 933133.57 TBM EL: 10.56'	BENCHMARK 62 SET NAIL & TIN TAB STA: 169+84.57 N: 694379.79 E: 933551.69 TBM EL: 10.11'	BENCHMARK 63 SET NAIL & TIN TAB STA: 173+00.00 N: 694380.69 E: 933766.66 TBM EL: 10.02'	BENCHMARK 64 SET NAIL & TIN TAB STA: 234+00.00 N: 694784.24 E: 933516.08 TBM EL: 10.47'	BENCHMARK 65 SET NAIL & TIN TAB STA: 224+00.00 N: 695030.57 E: 933412.39 TBM EL: 11.17'	BENCHMARK 66 SET NAIL & TIN TAB STA: 222+00.00 N: 695024.56 E: 933212.44 TBM EL: 11.46'	BENCHMARK 67 SET NAIL & TIN TAB STA: 210+00.00 N: 695277.31 E: 933006.30 TBM EL: 10.83'	BENCHMARK 68 SET NAIL & TIN TAB STA: 181+00.00 N: 693718.94 E: 933141.74 TBM EL: 8.88'
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CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH	PC	PT
C1	358.47'	221.71'	92°38'09"	S 42°59'24" W	320.68'	195+26.41	168+84.87
C2	584.58'	1000.01'	33°29'38"	S 18°21'05" E	576.30'	200+00.00	205+84.59 PT
C3	153.34'	504.80'	17°24'14"	S 07°49'59" W	152.75'	211+98.69	213+50.02

HORIZONTAL CONTROL DETAIL

NTS

NO.	DATE	ISSUED FOR	APRVD BY	DESIGNED:	M.R.T.
				DRAWN:	J.A.J./K.C.
				CHECKED:	D.L.M./A.C.
				APPROVED:	D.L.M.



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VERIFY SCALE
1" = 100'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

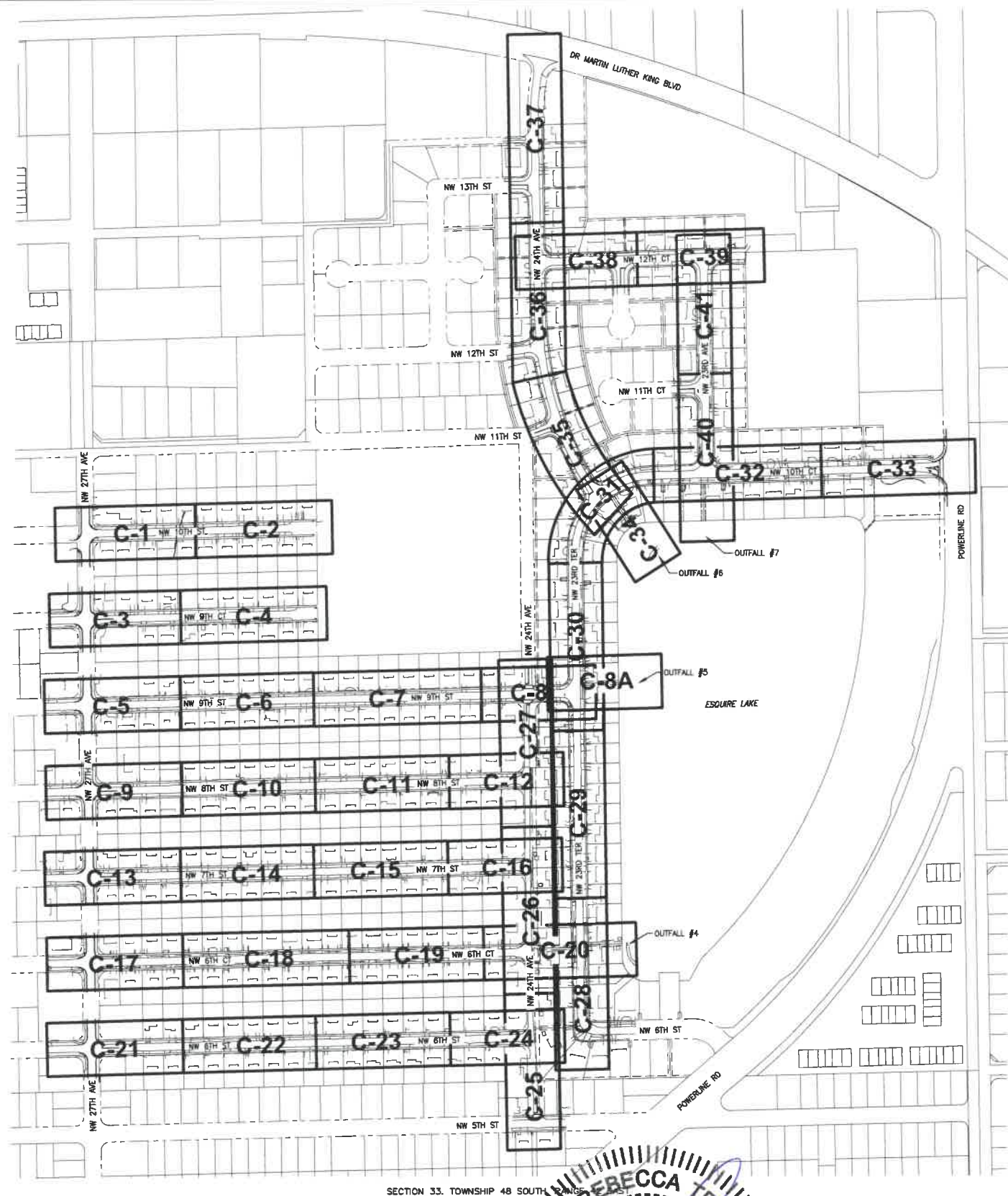
ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800G03

CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
HORIZONTAL CONTROL DETAILS

DATE: JUNE 2018
SHEET: 3 of 55
DRAWING: G-3

BID SET

Acad Version: P2018 (LMS Tech)
User Name: 76866
Date/Time: Fri, 01 Jun 2018 - 5:41pm
Porth Name: \\WestPomBeach\POW06\161800-ESQUIRE Lake Stormwater Imp (DWG)\Working Folder\1603004-DWG
Current Plotstyle: By Color
Layout Tab: G-4
Plot Name: 161800-ESQUIRE Lake Stormwater Imp (DWG)\Working Folder\1603004-DWG



City of Pompano Beach ESQUIRE LAKE NEIGHBORHOOD TREE DISPOSITION

Dwg	Location	Tree #	Botanical Name	Common Name	Diam	Size	Condition	Est. Value	Disposition
C-7	STA 38+52, 16' RT	1	Phoenix Robellini	Pygmy Date Palm	1"	3' ht. x 4' spr.	97%	\$50	Remove & replace with new tree on 2456 NW 9th St.
C-18	STA 187+80, 16' RT	2	Adonidia Merrillii	Christmas Palm	8"	4' ht. x 2' spr.	94%	\$270	Remove & replace with new tree on 2502 NW 6th Ct.
C-18	STA 187+82, 16' LT	3	Adonidia Merrillii	Christmas Palm	4"	11' O.A.	94%	\$230	Remove & replace with new tree on 2501 NW 6th Ct.
C-19	STA 189+74, 14' RT	4	Budica Buceras	Black Olive	10"	15' ht. x 10' spr.	53%	\$1,000	Remove & replace with new tree on 2444 NW 6th Ct.
C-19	STA 192+19, 15' RT	5	Busera Simeruba	Gumbo Limbo	8"	22' ht. x 8' spr.	30%	\$1,300	Remove & replace with new tree on 2420 NW 6th Ct.
C-19	STA 192+31, 16' RT	6	Busera Simeruba	Gumbo Limbo	12"	20' ht. x 14' spr.	75%	\$2,700	Remove & replace with new tree on 2420 NW 6th Ct.
C-20	Between 641/651 NW 23rd Terrace	7	Mangifera Indica	Mango Tree	3"	10' ht. x 4' spr.	94%	\$110	Remove & replace within yard of 641 NW 23rd Terr, min 5' from easement line.
C-26	STA 114+43, 9' RT	8	Cupaniopsis Anacardioides	Carrottwood	(6) 4"	20' ht. x 20' spr.	50%	\$190	Remove & replace within yard of 621 NW 23rd Terr, min 5' back of ROW line.
C-26	STA 114+50, 9' RT	9	Cupaniopsis Anacardioides	Carrottwood	(4) 3"	20' ht. x 20' spr.	50%	\$50	Remove & replace within yard of 621 NW 23rd Terr, min 5' back of ROW line.
C-26	STA 114+53, 10' RT	10	Quercus Virginiana	Live Oak	24"	28' ht. x 24' spr.	91%	30,100	Root Prune, provide tree protection, tree to REMAIN.
C-26	STA 115+73, 10' RT	11	Yucca Aloifolia	Spanish Bayonet	(3) 4"	15' ht. x 10' spr.	72%	\$380	Remove & replace within yard of 641 NW 23rd Terr, min 5' back of ROW line.
C-32	STA 169+88, 19' LT	12	Adonidia Merrillii	Christmas Palm	4"	14' O.A.	91%	\$300	Remove & replace with new tree on 2301 NW 10th Ct.
C-32	STA 170+20, 20' LT	13	Adonidia Merrillii	Christmas Palm	4"	16' O.A.	95%	\$340	Remove & replace with new tree on 2301 NW 10th Ct.
C-34	STA 302+67, 2' LT	14	Schefflera Actinophylla	Schefflera	12"	25' ht. x 14' spr.	81%	\$220	Remove & replace with new tree on 1030 NW 23rd Terr.
C-34	STA 302+69, 6' LT	15	Schefflera Actinophylla	Schefflera	12"	24' ht. x 15' spr.	81%	\$190	Remove & replace with new tree on 1030 NW 23rd Terr.
C-40	STA 230+35, 22' RT	16	Adonidia Merrillii	Christmas Palm	4"	14' O.A.	91%	\$300	Remove & replace with new tree on 2301 NW 10th Ct.
C-41	STA 235+62, 15' LT	17	Cocos Nucifera	Coconut Palm	12"	20' O.A.	90%	\$770	Remove & replace with new tree on 2300 NW 12th Ct.
C-41	STA 236+02, 17' LT	18	Syagrus Romanzoffiana	Queen Palm	10"	12' O.A.	81%	\$230	Remove & replace with new tree on 2300 NW 12th Ct.

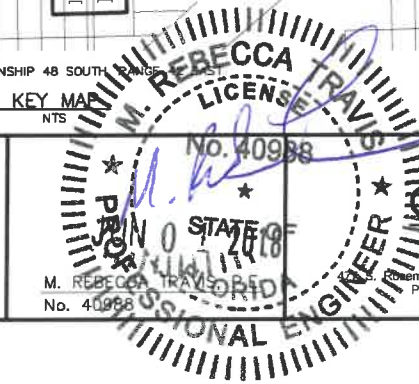
- NOTES:
- Condition & Estimated Values are based on the Council of Tree & Landscape Appraisers Guide for Plant Appraisal, 9th Edition. Palms were appraised with the Replacement Cost Method & Trees with the Trunk Formula Method. Survey conducted on March 16, 2018.
 - As per City Ordinance Sections 50.02(A)(4) and Section 100.35(E), street trees shall not be placed on top of, or 5' either side of any city owned utility infrastructure. No trees, shrubbery or obstruction shall be placed within a 3-foot radius of a city owned sewer lateral, cleanout or water and/or reuse meter.
 - All tree work will require permitting by a Registered Broward County Tree Trimmer.
 - Refer to Drawing D-10 for details.
 - Landscape material to be paid from Landscape Material Allowance. Installation and irrigation (dubbler) to be paid from Landscape Installation bid item.

FENCING TO BE REMOVED & REPLACED

Dwg.	Location	Street Address	Type	Height	Length	Disposition
C-20	Between NW 24th Ave & NW 23rd Terr	651 NW 23rd Terrace	Conc block	6'	96'	Remove & replace with 96 LF - 6' tall concrete block wall
C-20	STA 153+52, 64' LT	651 NW 24th Avenue	Metal	4'	28'	Remove & replace with 28 LF - 4' tall aluminum rail fence
C-20	153+62, 132' RT	650 NW 23rd Terrace	Chain Link	4'	173'	Remove & replace with 4' tall aluminum rail fence from ROW line to 15' back, then transition to 4' tall chainlink fence and install to connect to edge of privacy wall at lake.
C-25	113+93, 10' RT	611 NW 24th Ave	Wood	6'	63'	Remove & replace with 63 LF - 6' tall wood shadowbox fence.
C-25	114+39, 8' RT	621 NW 24th Ave	Chain Link	6'	44'	Remove & replace with 44 LF - 6' tall wood shadowbox fence.
C-26	115+16, 9' RT	631 NW 24th Ave	Chain Link	5'	42'	Remove & replace with 42 LF - 6' tall wood shadowbox fence.
C-26	115+16, 9' RT	631 NW 24th Ave	Wood	6'	45'	Remove & replace with 45 LF - 6' tall wood shadowbox fence.
C-34	167+52, 127' RT	2360 NW 10th Court	Chain Link	4'	114'	Remove & replace with 4' tall aluminum rail fence from ROW line to 15' back, then transition to 4' tall chainlink fence and install to connect to existing fence at rear of property.

- Notes:
- All wood and chainlink fencing to be removed & replaced shall follow Florida Building Code, 2017 Edition. All other fence types and privacy wall will require submission of signed and sealed shop drawings for removal & replacement.
 - Refer to Drawing D-10 for details.

NO.	DATE	ISSUED FOR	APRVD BY	DESIGNED:	M.R.T.
1	2/28/18	CITY BUILDING DEPARTMENT RFI #1	M.R.T.	DRAWN:	J.A.J./K.C.
2	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.	CHECKED:	D.L.M./A.C.
3	4/05/18	CITY BUILDING DEPARTMENT RFI #3	M.R.T.	APPROVED:	D.L.M.
4	5/08/18	CITY BUILDING DEPARTMENT RFI #4	M.R.T.		



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VERIFY SCALE
1" = 20'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800G04

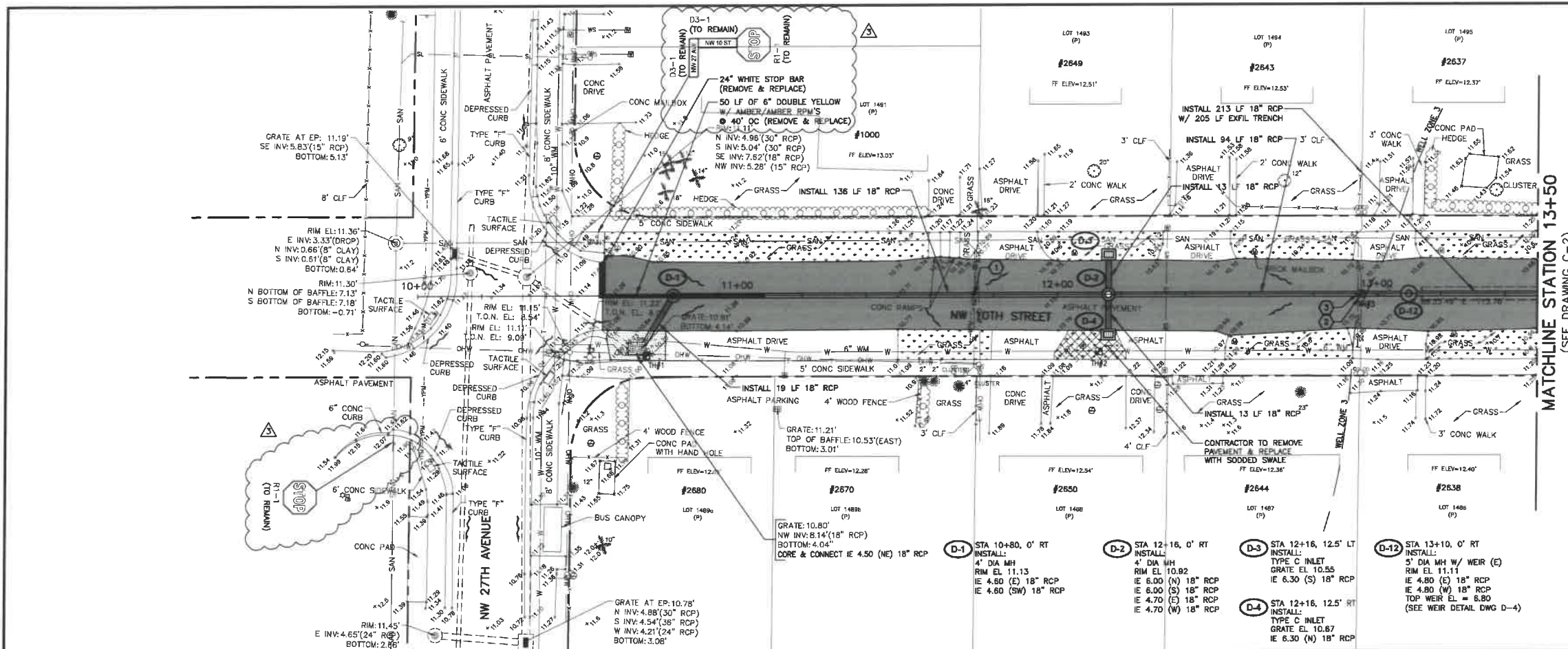
CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS

KEY MAP

DATE: JUNE 2018
SHEET: 4 of 55
DRAWING: G-4

BID SET

Acad Version: 2013 (LMS Tech)
Date/Time: 2018-06-13 09:12am
User Name: 769d9d
Current Plotstyle: B:\Cadd\Layout Tab C-1
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Layout Tab: C-1
Drawing: 161800-ESL.dwg

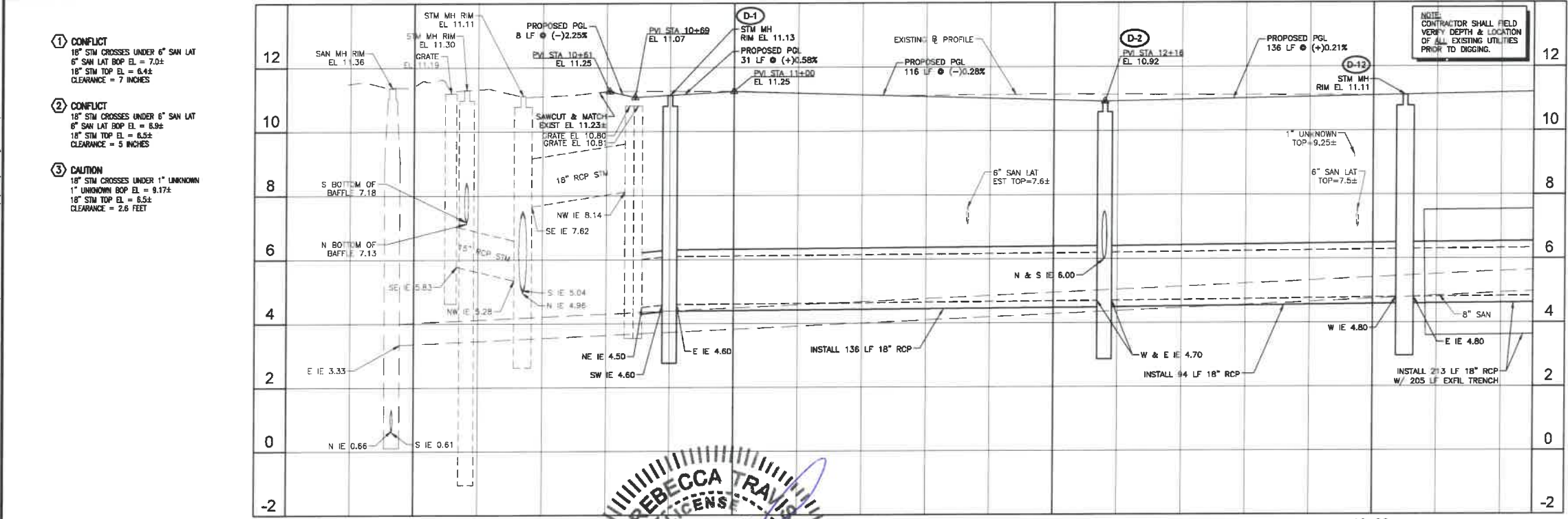


TH #1
6\"/>

HORIZ. SCALE 1\"/>

- NOTES:
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UTILITY CROSSINGS, INCLUDING PARALLELING OF UTILITIES, PRIOR TO CONSTRUCTION OF PROPOSED DRAINAGE FACILITIES.
 - IRRIGATION SYSTEMS NOT SHOWN, BUT DO EXIST THROUGHOUT PROJECT AREA. CONTRACTOR SHALL REPLACE ALL DAMAGED IRRIGATION PIPING, HEADS AND CONTROL LINES IN KIND, SO THAT SYSTEM PROVIDES ORIGINAL COVERAGE ZONES TO BE CAPPED OFF AT CONSTRUCTION LINE. BALANCE OF IRRIGATION ZONES TO REMAIN ACTIVE AND MAINTAINED.
 - CONTRACTOR SHALL REFER TO DETAILS ON DRAWINGS D-1 THROUGH D-10 FOR STANDARD DETAIL CONSTRUCTION INFORMATION.
 - ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED IN KIND.
 - IN AREAS OF UNDERGROUND UTILITIES CONTRACTOR SHALL HAND-DIG AS NECESSARY TO AVOID DAMAGING EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED UTILITIES AS A RESULT OF CONSTRUCTION ACTIVITIES.
 - CONTRACTOR SHALL LOCATE & OBTAIN ELEVATIONS OF ALL EXISTING SANITARY SEWER LATERALS THAT CROSS THE PROPOSED UTILITY WORK. IF EXISTING SERVICE LATERAL IS DAMAGED BY CONTRACTOR, REPAIR USING FERRIS COUPLING & PVC SDR-18 PIPING (GREEN).
 - POTABLE WATER SERVICE LINES NOT SHOWN, BUT DO EXIST THROUGHOUT PROJECT AREA. CONTRACTOR SHALL LOCATE ALL WATER SERVICE LINES PRIOR TO DIGGING. CONTRACTOR SHALL REPAIR ANY WATER SERVICE LINES DAMAGED DURING CONSTRUCTION IMMEDIATELY. (NOTE: NOT A PAY ITEM)
 - CONTRACTOR SHALL COORDINATE WITH FPL FOR SERVICES TO TEMPORARILY SECURE/HOLD EXISTING POWER LINES WHICH ARE IN CLOSE PROXIMITY TO THE CONSTRUCTION TRENCH EXCAVATION. CONTRACTOR TO USE CAUTION WHEN WORKING UNDER OR AROUND OVERHEAD POWER LINES.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES IN THE PROJECT AREA AND SHALL ONLY INTERRUPT ACCESS TO EACH PROPERTY WITH PRIOR COORDINATION OF THE CITY AND PROPERTY OWNER.
 - CONTRACTOR SHALL KEEP THE EXISTING STORM SYSTEM CLEAR AND CLEAN OF ALL DEBRIS FROM THE CONSTRUCTION OF THIS PROJECT, AND PROVIDE EROSION PROTECTION MEASURES.
 - CONTRACTOR SHALL REPAIR ALL SEWER LATERALS IN CONFLICT WITH PROPOSED DRAINAGE PIPE.
 - GAS MAINS ARE LOCATED THROUGHOUT PROJECT AREA. THIS INCLUDES GAS SERVICES TO EACH BUILDING. CONTRACTOR SHALL COORDINATE WITH TECO GAS COMPANY FOR LOCATIONS OF ALL GAS MAINS AND SERVICES.
 - ALL TREE REMOVAL AND TREE PLANNING SHALL BE UNDER THE DIRECTION OF A REGISTERED BROWARD COUNTY TREEMAN. PLANTING LOCATIONS FOR PROPOSED TREES SHALL BE COORDINATED WITH THE CITY OF POMPAÑO BEACH BUILDING DEPARTMENT'S URBAN FORESTER.
 - SOD AND SWALE BOTH SIDES OF THE STREET AS INDICATED ON THE PLAN DRAWINGS. SOD AND SWALE WORK SHALL BE LIMITED TO THOSE AREAS WHERE EXISTING LANDSCAPING AND TREES WOULD NOT BE DAMAGED (I.E. SWALE AROUND LANDSCAPING, FIRE HYDRANT, ETC.).
 - BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S REVIEW DOES NOT INCLUDE A REVIEW AND ACCEPTANCE OF THE PROJECT'S DESIGN OR OPERATION. THESE ITEMS ARE TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER.
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DESIGNED: M.R.T.
DRAWN: J.A.J./K.C.
CHECKED: D.L.M./A.C.
APPROVED: D.L.M.



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VERIFY SCALE
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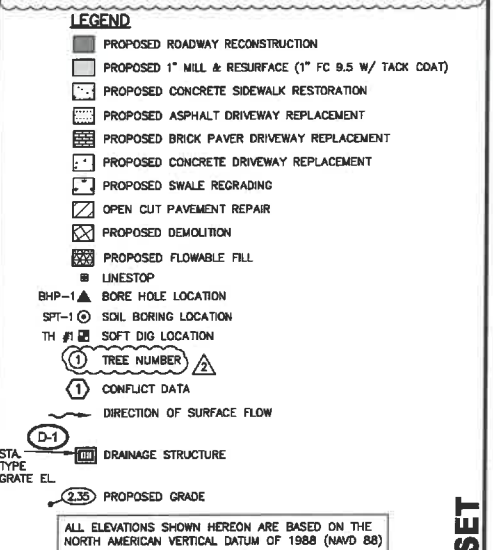
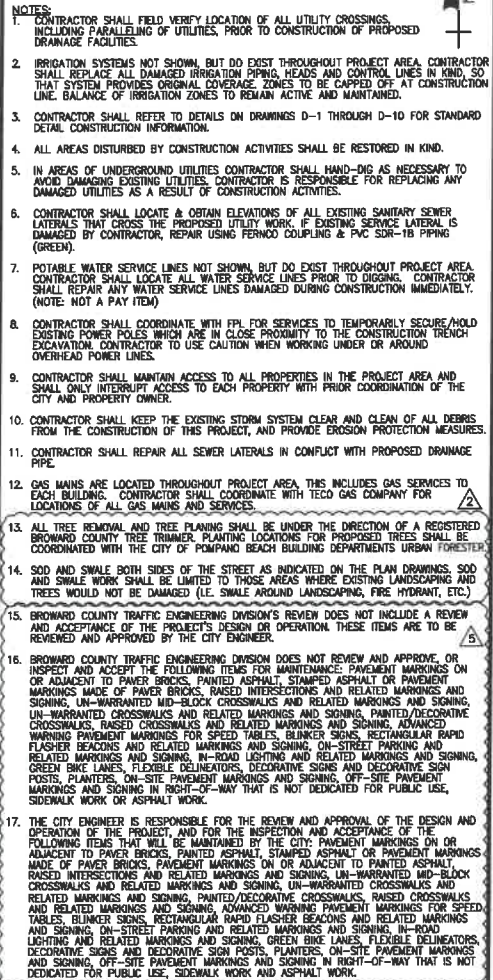
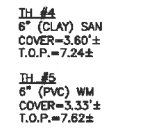
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CLIENT
PROJECT NO.:
CAD REF.: 1800P&P


CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 10TH STREET
PLAN AND PROFILE - SHEET 1
STA 10+00 TO STA 13+50

DATE: JUNE 2018
SHEET: 5 of 55
DRAWING: C-1

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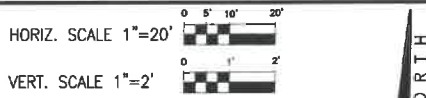
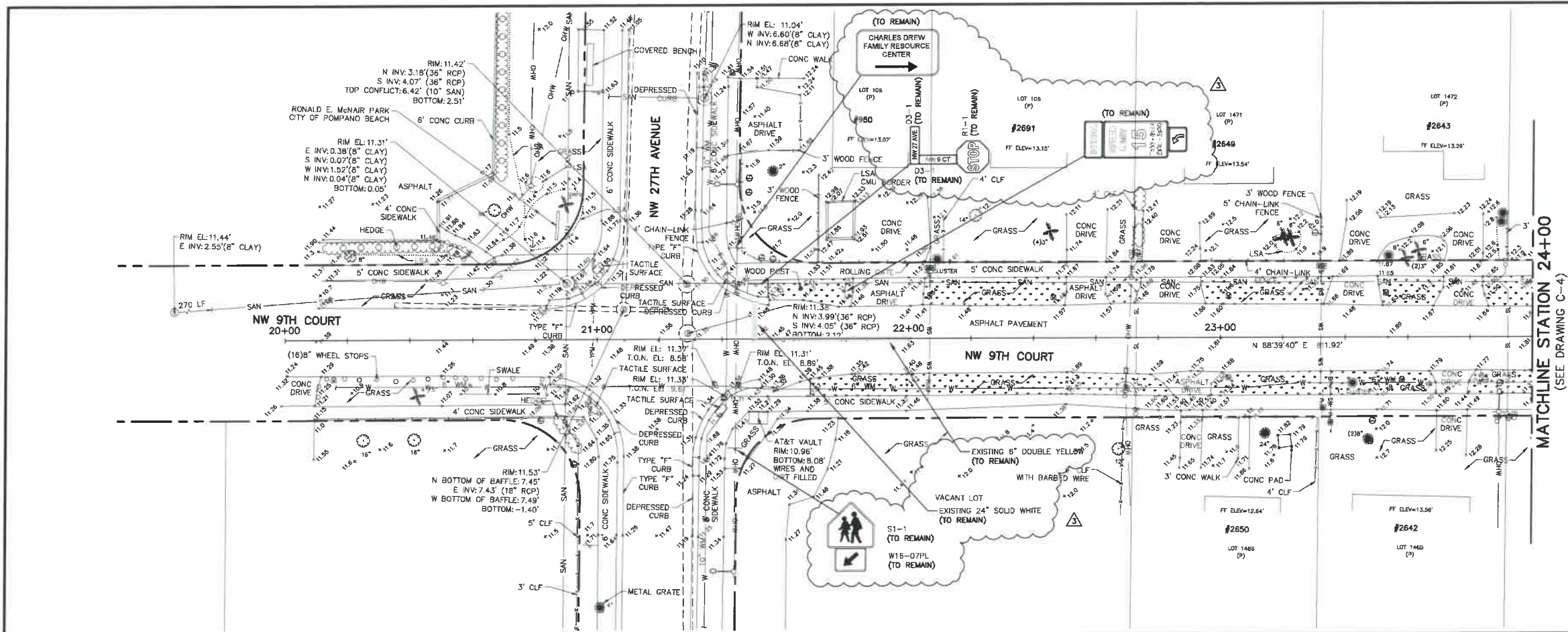
	<p>VERIFY SCALE</p>  <p>BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.</p>
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	<p>CITY OF POMPANO BEACH ESQUIRE LAKE NEIGHBORHOOD STORMWATER IMPROVEMENTS</p>
	<p>NW 10TH STREET PLAN AND PROFILE — SHEET 2 STA 13+50 TO STA 17+13.76</p>

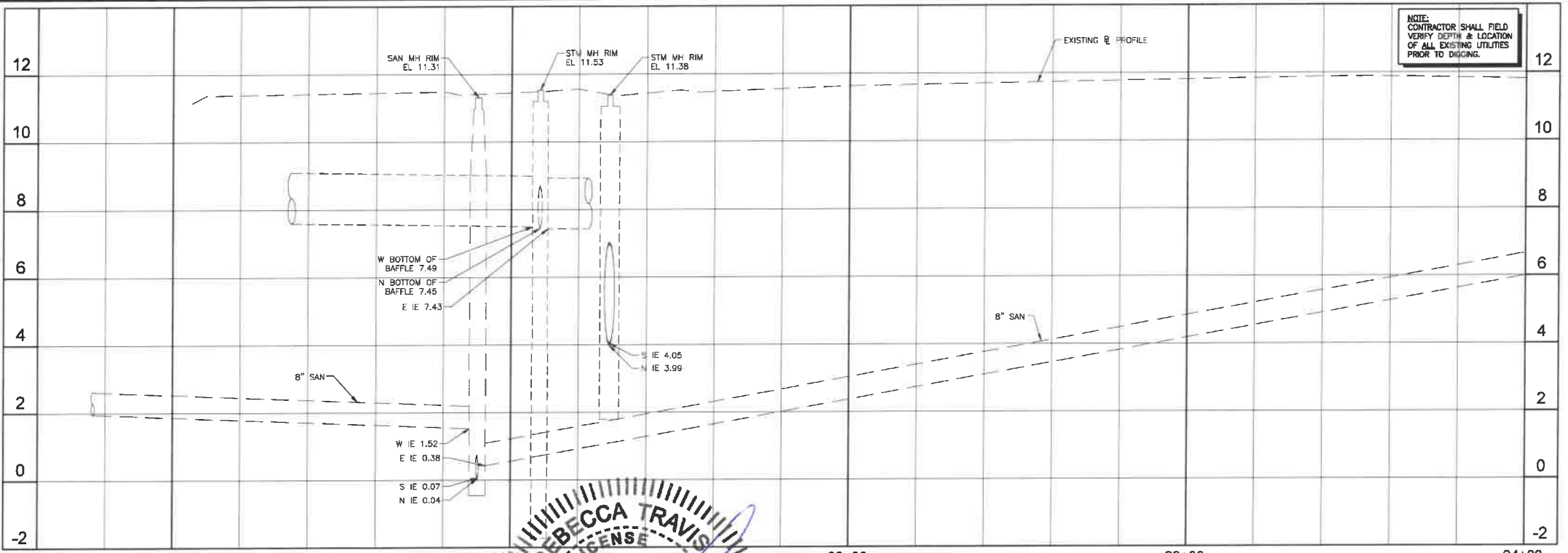
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SHEET:	6 of 55
DRAWING:	C-2

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Layout Tab: C-2

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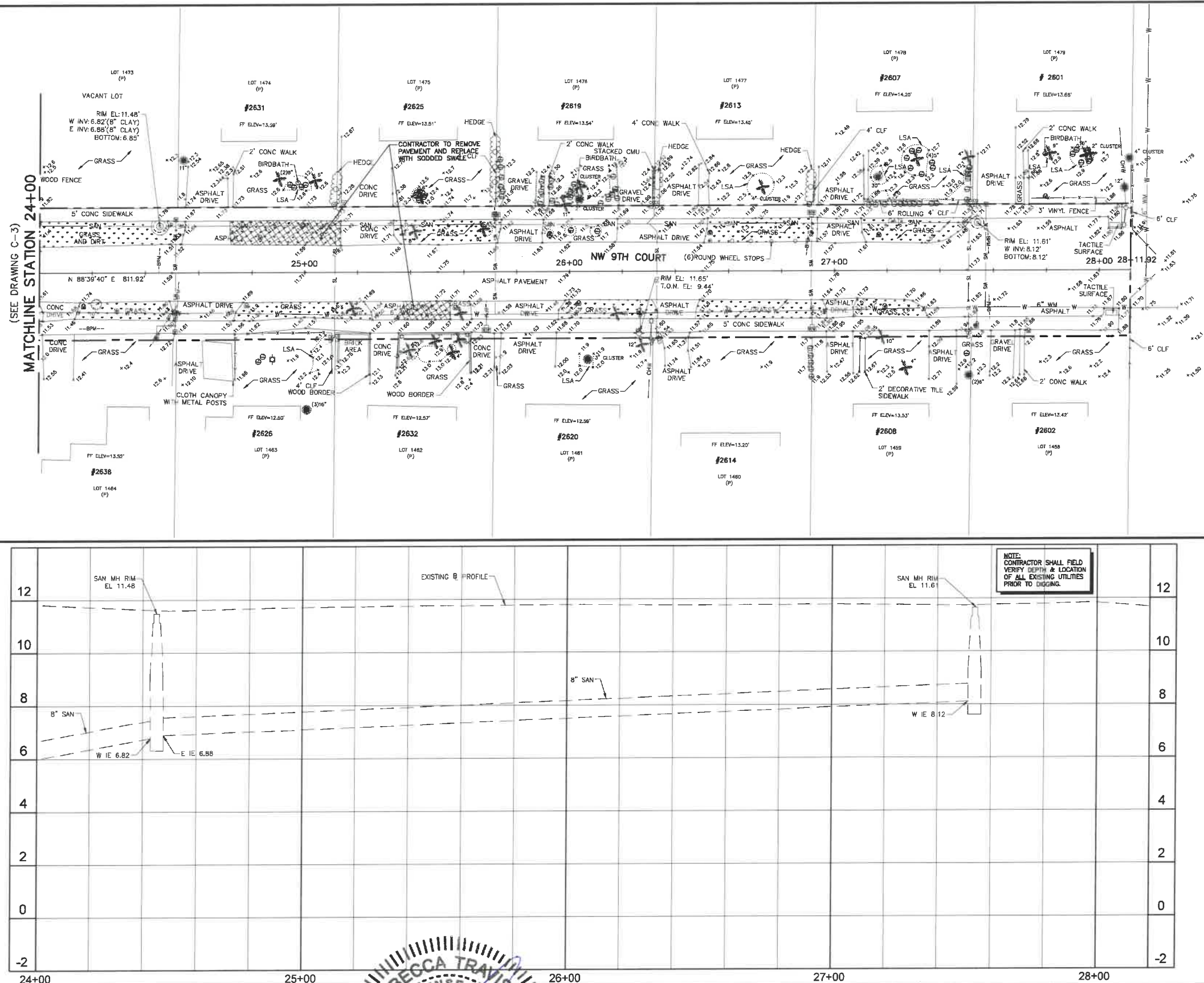
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NW 9TH COURT
PLAN AND PROFILE - SHEET 3
STA 20+00 TO STA 24+00

DATE: JUNE 2018
SHEET: 7 of 55
DRAWING: C-3

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BID SET

Acad Version: P2016 (LMS Tech)
User Name: 766dfr
Date/Time: Fri, 01 Jun 2018 - 9:13am
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VERT. SCALE 1"=2'

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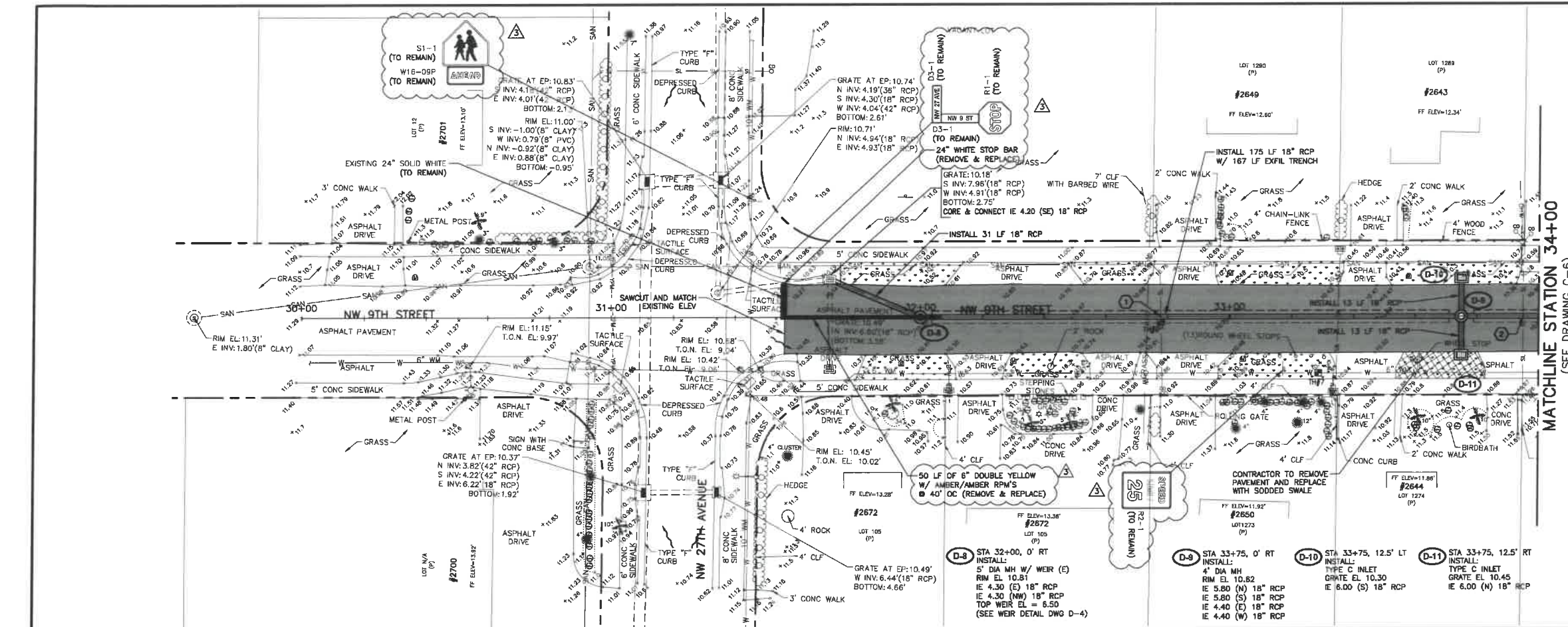
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PLAN AND PROFILE - SHEET 4
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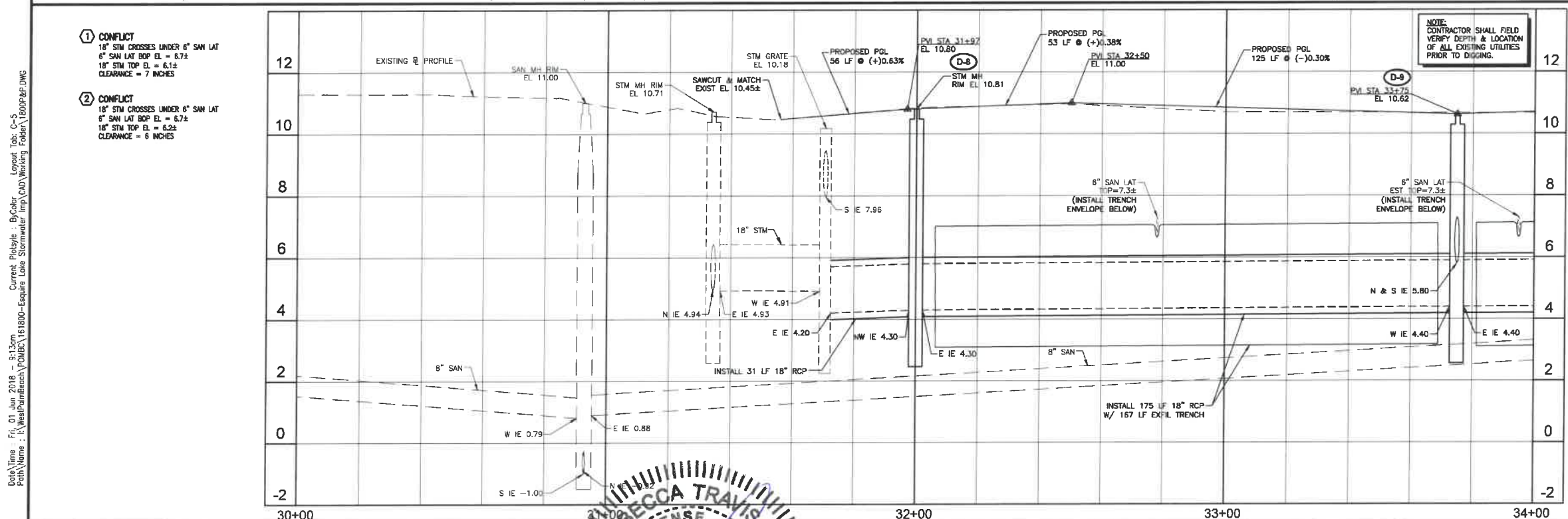
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LEGEND

- PROPOSED ROADWAY RECONSTRUCTION
- PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
- PROPOSED CONCRETE SIDEWALK RESTORATION
- PROPOSED ASPHALT DRIVEWAY REPLACEMENT
- PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED SWALE REGRAVING
- OPEN CUT PAVEMENT REPAIR
- PROPOSED DEMOLITION
- PROPOSED FLOWABLE FILL
- LINESTOP
- BHP-1 BORE HOLE LOCATION
- SPT-1 SOIL BORING LOCATION
- TH #1 SOFT DIG LOCATION
- ① TREE NUMBER
- ① CONFLICT DATA
- DIRECTION OF SURFACE FLOW
- D-1 DRAINAGE STRUCTURE
- STA. TYPE EL.
- 2.35 PROPOSED GRADE

ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)



NO.	DATE	ISSUED FOR	APRVD BY
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
2	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J.
CHECKED: D.L.M.
APPROVED: D.L.M.

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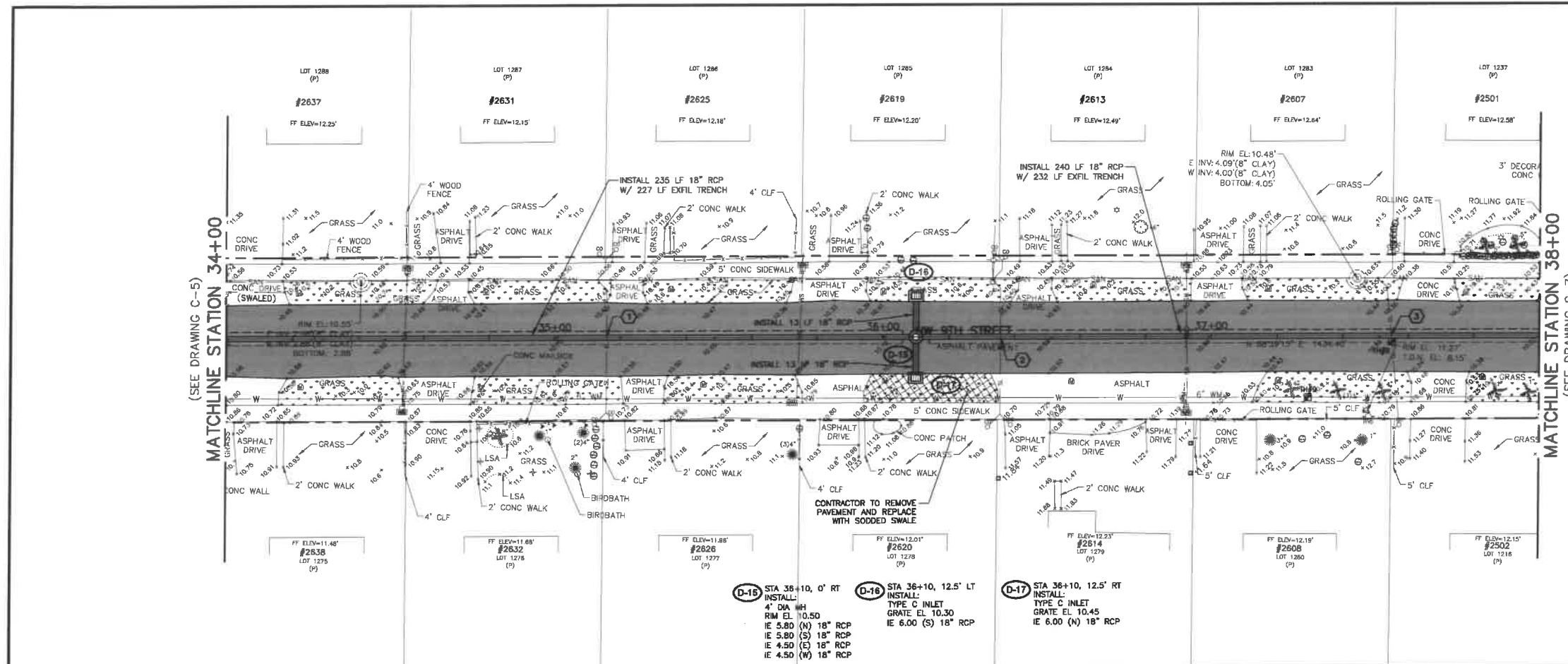
VERIFY SCALE
1" = 100'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPA BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 9TH STREET
PLAN AND PROFILE - SHEET 5
STA 30+00 TO STA 34+00

BID SET
DATE: JUNE 2018
SHEET: 9 of 55
DRAWING: C-5

Acad Version : 2015 (LMS Tech)
Date/Time : Fri, 01 Jun 2018 - 9:13am
User Name : 758645
Current Plotfile : B:\Color Layout Tab C-6
Path Name : I:\WestPalmBeach\POB\161800-ESQUIRE LAKE STORMWATER IMPROVEMENTS\161800P&P.DWG



TH #8
6" (CLAY) SAN
COVER=3.44'±
T.O.P.=7.39±

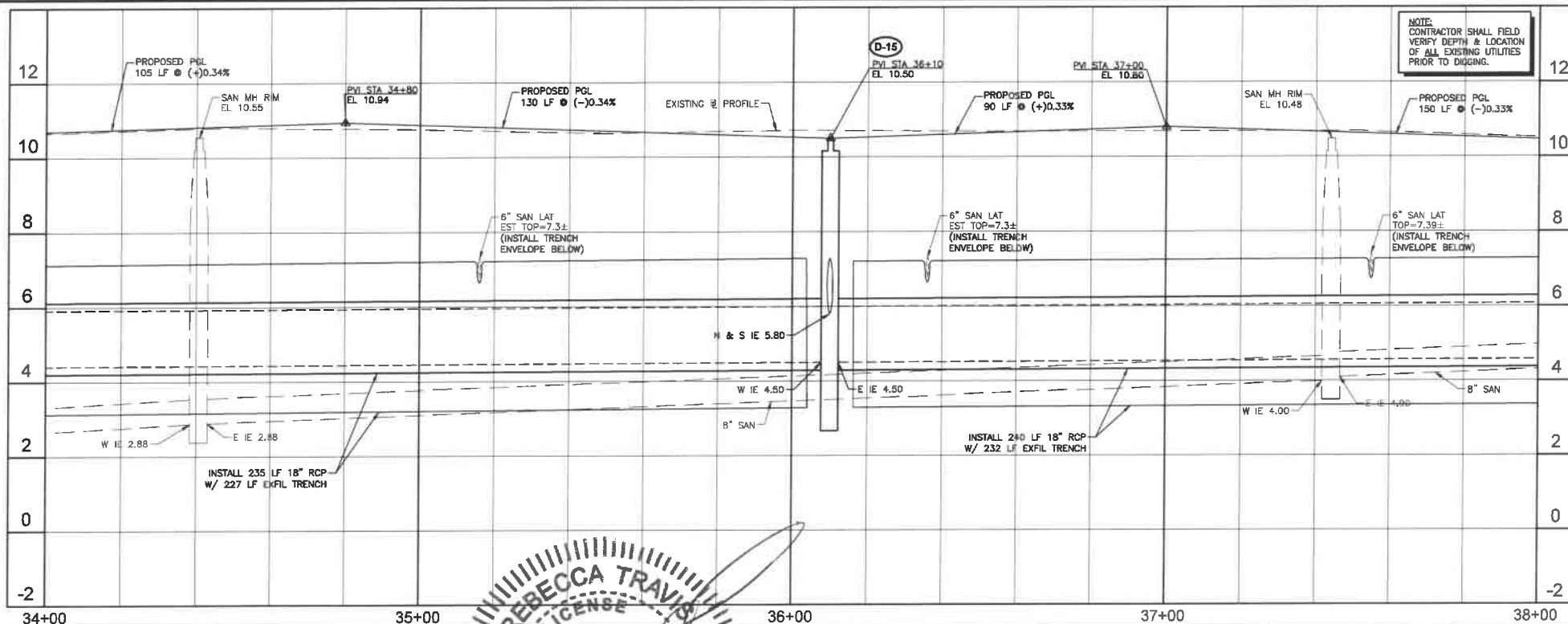
TH #9
6" (PVC) WM
COVER=4.31'±
T.O.P.=6.58±

HORIZ. SCALE 1"=20'

VERT. SCALE 1"=2'

- NOTES:
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 - CONTRACTOR SHALL REFER TO DETAILS ON DRAWINGS D-1 THROUGH D-10 FOR STANDARD DETAIL CONSTRUCTION INFORMATION.
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- ① CONFLICT
18" STM CROSSES UNDER 6" SAN LAT
6" SAN LAT BOP EL. = 6.72
18" STM TOP EL. = 6.34
CLEARANCE = 5 INCHES
- ② CONFLICT
18" STM CROSSES UNDER 5" SAN LAT
6" SAN LAT BOP EL. = 6.72
18" STM TOP EL. = 6.32
CLEARANCE = 5 INCHES
- ③ CONFLICT
18" STM CROSSES UNDER 6" SAN LAT
6" SAN LAT BOP EL. = 6.82
18" STM TOP EL. = 6.42
CLEARANCE = 5 INCHES



NOTE:
CONTRACTOR SHALL FIELD
VERIFY DEPTH & LOCATION
OF ALL EXISTING UTILITIES
PRIOR TO DIGGING.

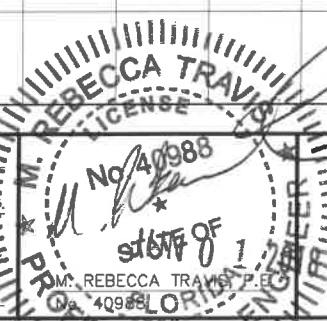
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- DIRECTION OF SURFACE FLOW
- D-1 DRAINAGE STRUCTURE
- 2.38 PROPOSED GRADE

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5	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.

DESIGNED:	M.R.T.
DRAWN:	J.A.J./S.T.
CHECKED:	D.L.M./A.S.
APPROVED:	D.L.M.



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a BAXTER & WOODMAN company

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ENGINEER NO.: 1800
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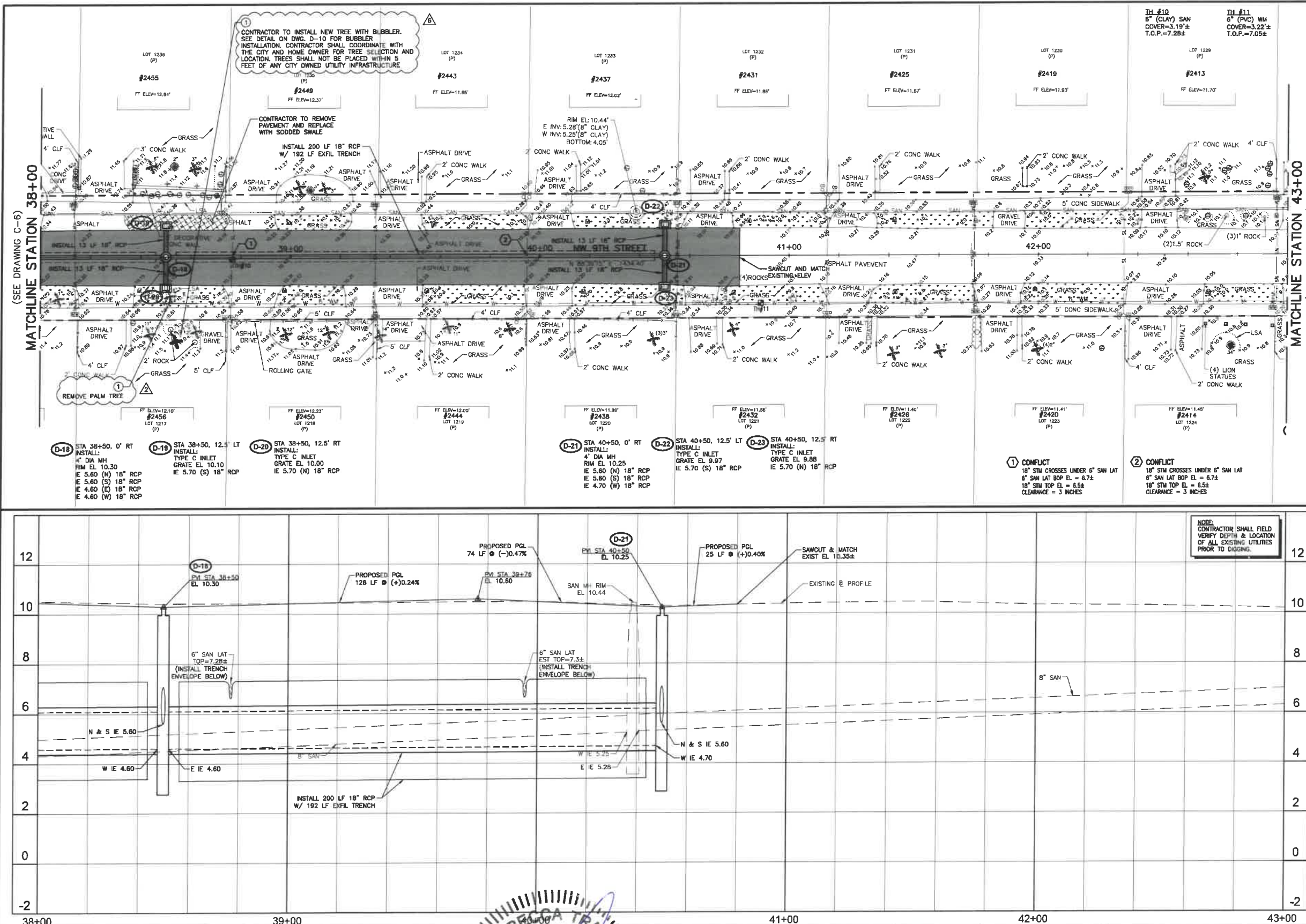
CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 9TH STREET
PLAN AND PROFILE - SHEET 6
STA 34+00 TO STA 38+00

DATE: JUNE 2018
SHEET: 10 of 55
DRAWING: C-6

Always call this two full business days before you dig
Sunshine 811.com

BID SET

Acad Version : 2013 (LMS Tech)
Date/Time : Fri, 01 Jun 2018 - 9:14am
Current Plotstyle : B-Color Layout Tab: C-7
Path Name : I:\WestPomBeach\POWBE\161800-ESquire Lake Stormwater Imp CAD\Working Folder\1800P&P.DWG



HORIZ. SCALE 1"=20'

VERT. SCALE 1"=2'

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- ① TREE NUMBER
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- D-1 DRAINAGE STRUCTURE
- 2.36 PROPOSED GRADE

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4	5/08/18	CITY BUILDING DEPARTMENT RFI #4	M.R.T.

DESIGNED:	M.R.T.
DRAWN:	J.A.J./K.C.
CHECKED:	D.L.M./A.C.
APPROVED:	D.L.M.



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ENGINEER NO.: 1800

CLIENT

PROJECT NO.:

CAD REF.: 1800P&P

CITY OF POMPAHO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS

NW 9TH STREET
PLAN AND PROFILE - SHEET 7
STA 38+00 TO STA 43+00

DATE: JUNE 2018

SHEET: 11 of 55

DRAWING: C-7

BID SET

Drawn: T. J. ...
Checked: ...
Date: ...

Acad Version: ...
User Name: ...

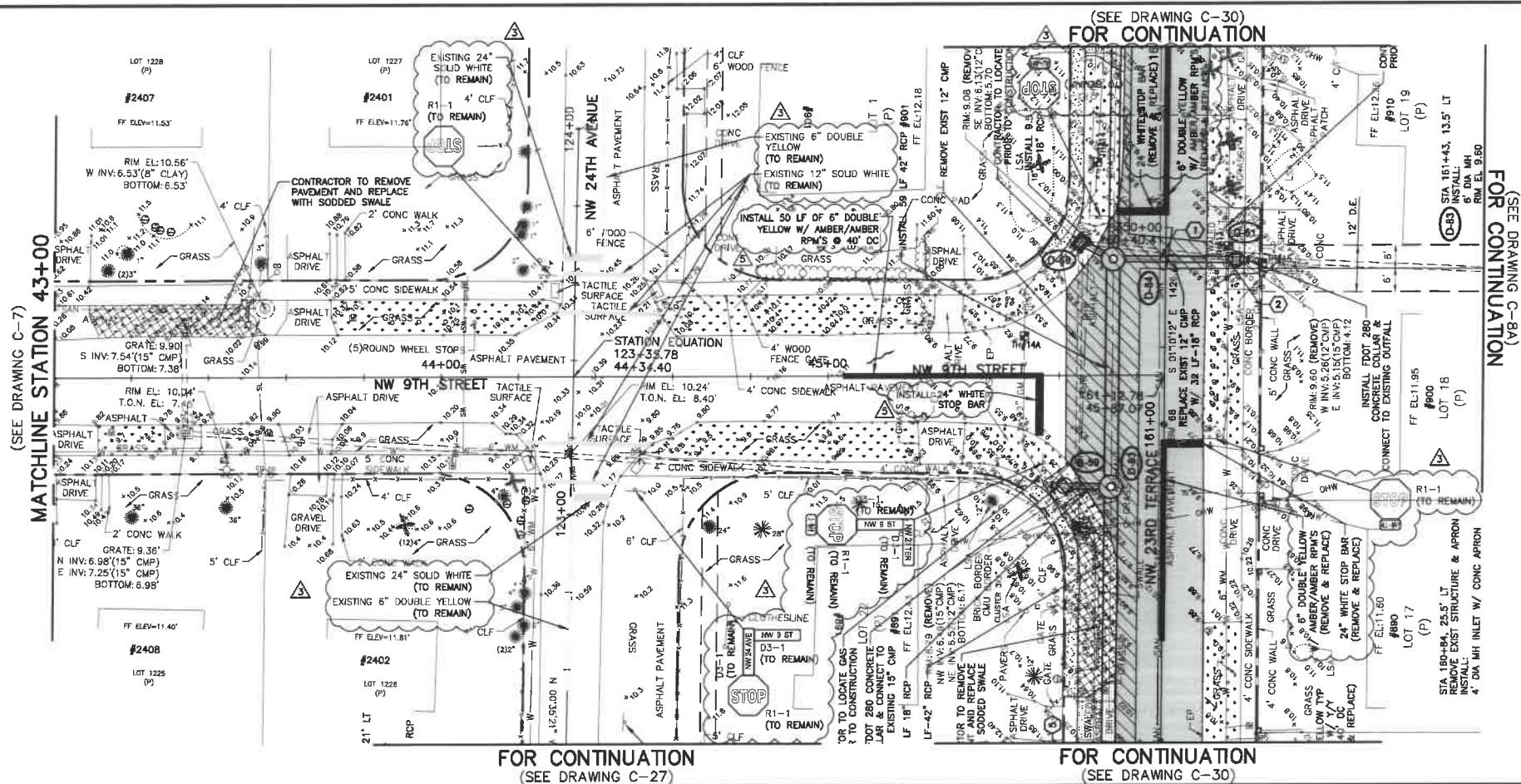
TH #12
2" (WRAPPED STEEL) GAS
COVER=2.13'±
T.O.P.=7.57'±

TH #13
6" (C) WM
COVER=1.69'±
T.O.P.=8.04'±

TH #14
2" (WRAPPED STEEL) GAS
COVER=3.13'±
T.O.P.=6.51'±

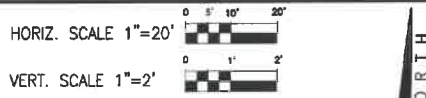
TH #14A
2" (WRAPPED STEEL) GAS
COVER=3.07'±
T.O.P.=6.51'±

TH #15
2" (WRAPPED STEEL) GAS
COVER=1.82'±
T.O.P.=8.47'±

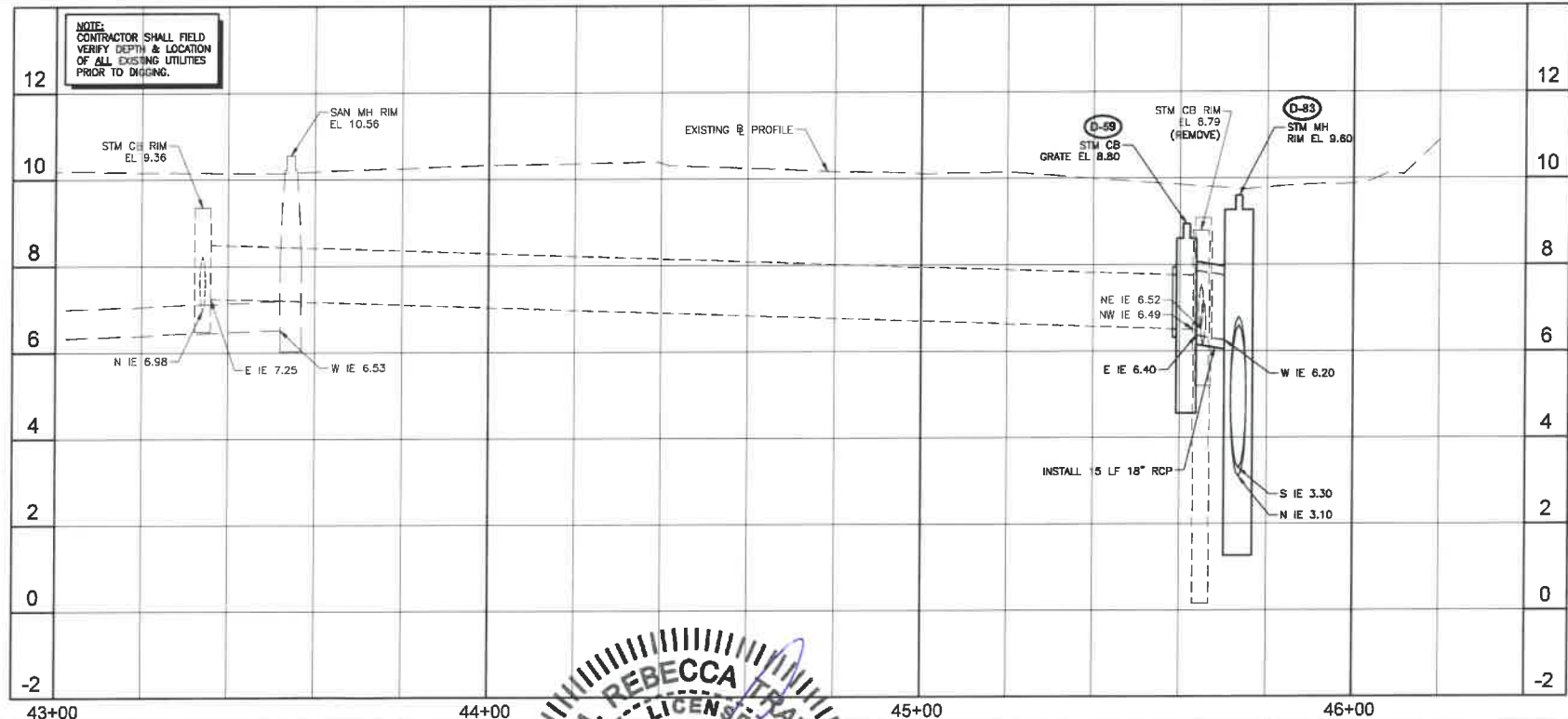


D-59 STA 160+84, 25.5' LT
REMOVE EXIST. STRUCTURE
INSTALL:
4" DIA MH INLET W/ CONC APRON
GRATE EL. 8.80
IE 8.51± (NW) 15" CMP (CONNECT)
IE 8.40 (E) 18" RCP

D-83 STA 161+43, 13.5' LT
INSTALL:
8" DIA MH INLET
RIM EL. 9.60
IE 3.10 (N) 42" RCP
IE 3.30 (S) 42" RCP
IE 6.20 (W) 18" RCP



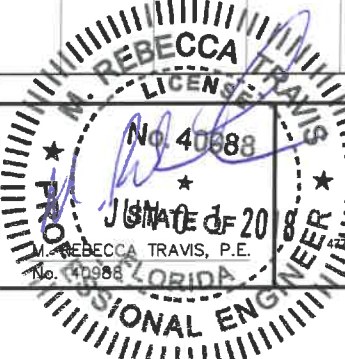
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- ① CAUTION
18" STM CROSSES OVER 8" SAN
18" STM BOP EL. = 4.92±
8" SAN TOP EL. = 3.90±
CLEARANCE = 1.02 FEET
- ② CONFLICT
18" STM CROSSES UNDER 6" WM
6" WM BOP EL. = 7.54±
18" STM TOP EL. = 6.71±
CLEARANCE = 10 INCHES

- LEGEND
- PROPOSED ROADWAY RECONSTRUCTION
 - PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
 - PROPOSED CONCRETE SIDEWALK RESTORATION
 - PROPOSED ASPHALT DRIVEWAY REPLACEMENT
 - PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
 - PROPOSED CONCRETE DRIVEWAY REPLACEMENT
 - PROPOSED SWALE REGRADING
 - OPEN CUT PAVEMENT REPAIR
 - PROPOSED DEMOLITION
 - PROPOSED FLOWABLE FILL
 - LINESTOP
 - BHP-1 Δ BORE HOLE LOCATION
 - SPT-1 ⊙ SOIL BORING LOCATION
 - TH #1 ⊕ SOFT DIG LOCATION
 - ① TREE NUMBER
 - ① CONFLICT DATA
 - DIRECTION OF SURFACE FLOW
 - D-1 DRAINAGE STRUCTURE
 - STA. TYPE
 - GRATE EL.
 - 2.35 PROPOSED GRADE
- ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

NO.	DATE	ISSUED FOR	APR'D BY	DESIGNED:	M.R.T.
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.	DRAWN:	J.A.J./K.C.
2	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.	CHECKED:	D.L.M./A.C.
3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.	APPROVED:	D.L.M.



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VERIFY SCALE
1" = 100'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPA BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 9TH STREET
PLAN AND PROFILE - SHEET 8
STA 43+00 TO STA 45+87.07

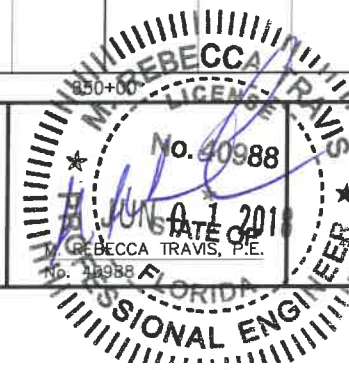
DATE: JUNE 2018
SHEET: 12 of 55
DRAWING: C-8

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DESIGNED:	M.R.T.
DRAWN:	J.A.J./K.C.
CHECKED:	D.L.M./A.C.
APPROVED:	D.L.M.



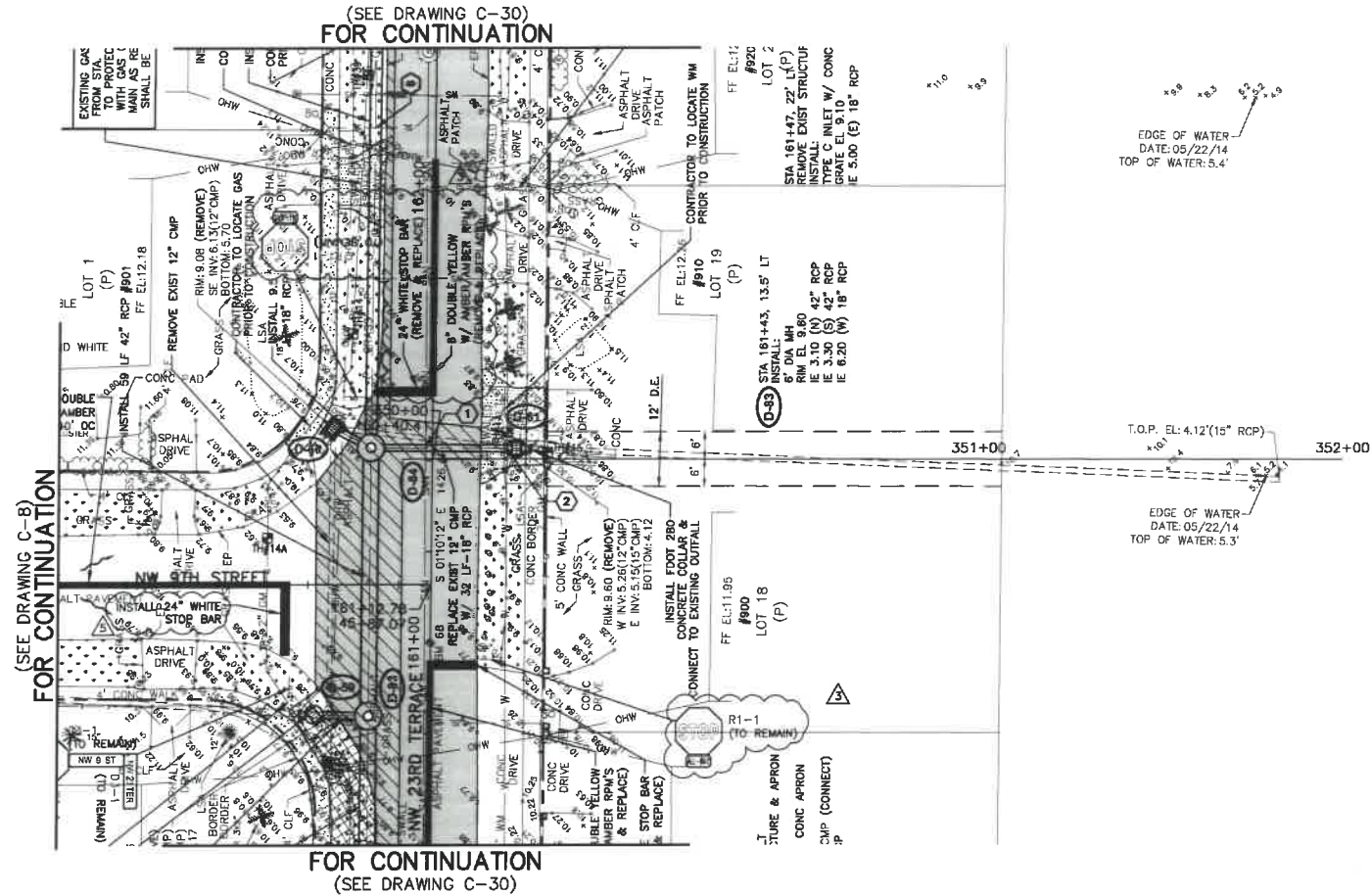
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ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
OUTFALL #5
PLAN AND PROFILE - SHEET 8A
STA 350+00 TO STA 352+00

DATE: JUNE 2018
SHEET: 12A of 55
DRAWING: C-8A



- TH #12**
2" (WRAPPED STEEL) GAS
COVER=2.13'±
T.O.P.=7.57'±
- TH #13**
6" (C) WM
COVER=1.69'±
T.O.P.=8.04'±
- TH #14**
2" (WRAPPED STEEL) GAS
COVER=3.13'±
T.O.P.=7.07'±
- TH #14a**
2" (WRAPPED STEEL) GAS
COVER=3.07'±
T.O.P.=6.51'±
- TH #15**
2" (WRAPPED STEEL) GAS
COVER=1.82'±
T.O.P.=8.47'±
- D-60** STA 161+47.22' LT
REMOVE EXIST STRUCTURE & APRON
INSTALL:
TYPE C INLET W/ CONC APRON
GRATE EL 9.10
IE 5.00 (E) 18" RCP
- D-84** STA 161+43.13.5' LT
INSTALL:
8" DIA MH
RIM EL 9.55
IE 4.00 (N) 30" RCP
IE 3.10 (S) 42" RCP
IE 5.20 (E) 18" RCP
IE 4.90 (W) 18" RCP
- D-81** STA 161+43.18.5' RT
REMOVE EXIST STRUCTURE
INSTALL:
4" DIA MH INLET
GRATE EL 9.60
IE 5.15± (E) 15" CMP (CONNECT)
IE 5.00 (W) 18" RCP
W/ PRB ON EAST WALL
(SEE DETAIL DWG D-4)

NOTE:
CONTRACTOR SHALL FIELD VERIFY DEPTH & LOCATION OF ALL EXISTING UTILITIES PRIOR TO DIGGING.

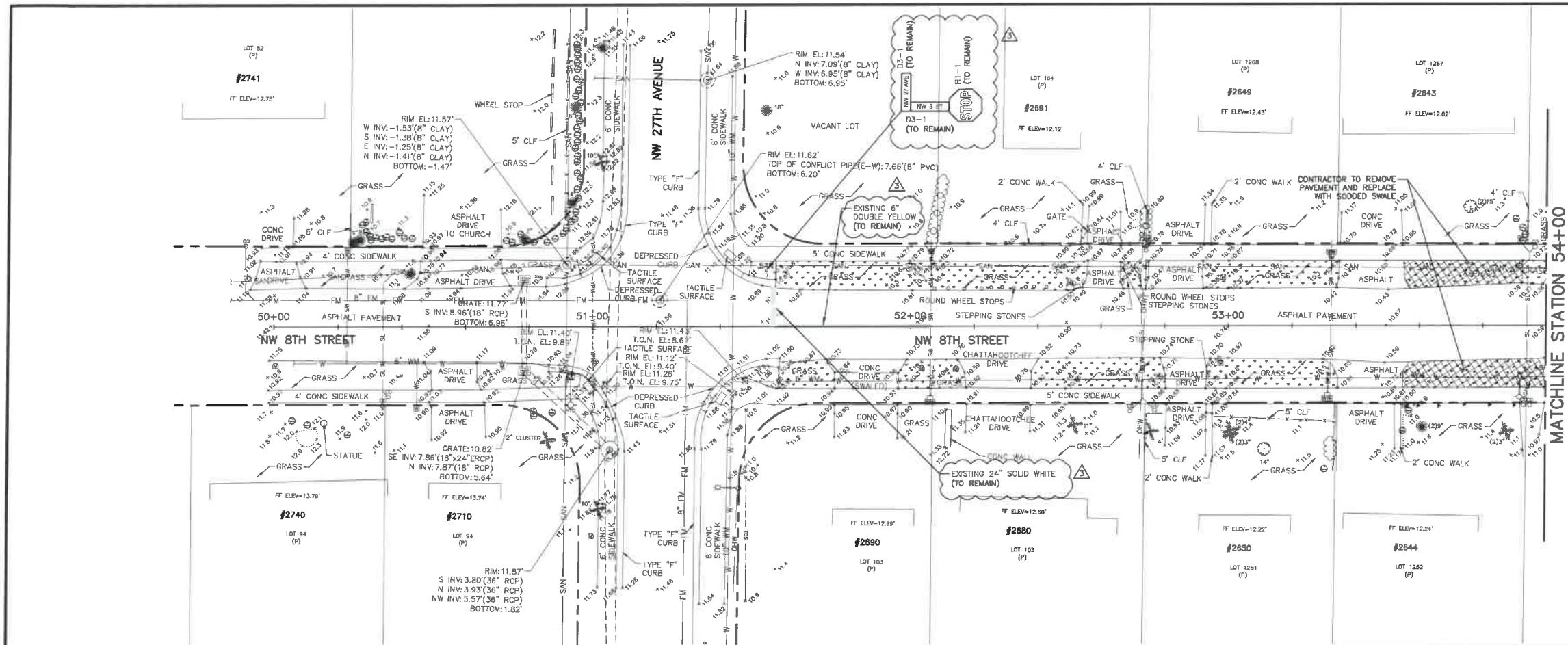
- 1 CONFLICT**
18" STM CROSSES OVER 8" SAN
18" STM BOP EL = 4.9±
8" SAN TOP EL = 4.0±
CLEARANCE = 11 INCHES
- 2 CONFLICT**
18" STM CROSSES UNDER 6" WM
6" WM BOP EL = 7.4±
18" STM TOP EL = 6.9±
CLEARANCE = 7 INCHES

- LEGEND**
- PROPOSED ROADWAY RECONSTRUCTION
 - PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
 - PROPOSED CONCRETE SIDEWALK RESTORATION
 - PROPOSED ASPHALT DRIVEWAY REPLACEMENT
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 - PROPOSED DEMOLITION
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 - DRAINAGE STRUCTURE
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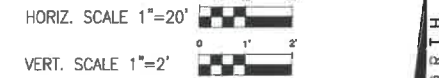
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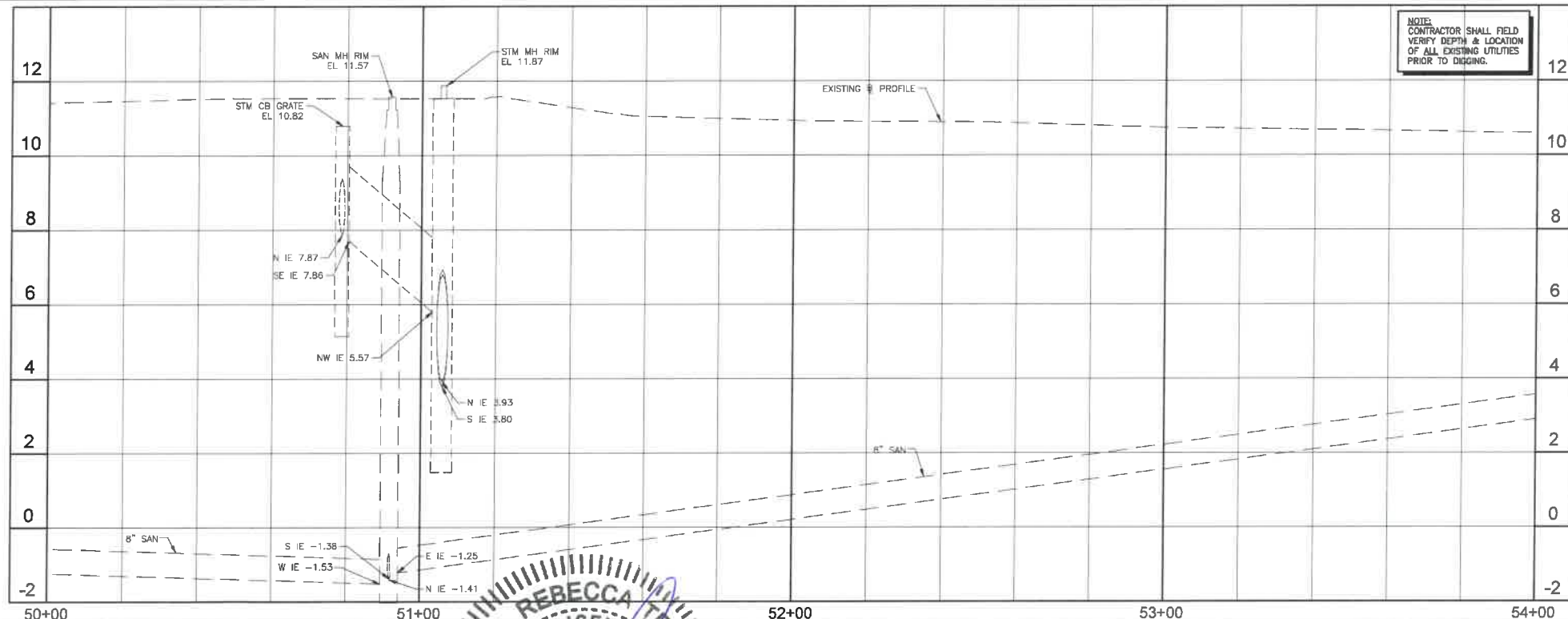
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Layout Tab: C-9
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MATCHLINE STATION 54+00
(SEE DRAWING C-10)



- NOTES:
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 - LINESTOP
 - BHP-1 BORE HOLE LOCATION
 - SPT-1 SOIL BORING LOCATION
 - TH #1 SOFT DIG LOCATION
 - 1 TREE NUMBER
 - 1 CONFLICT DATA
 - DIRECTION OF SURFACE FLOW
 - D-1 DRAINAGE STRUCTURE
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2	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
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DESIGNED: M.R.T.
DRAWN: J.A.J./K.C.
CHECKED: D.L.M./A.C.
APPROVED: D.L.M.



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ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

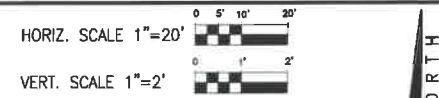
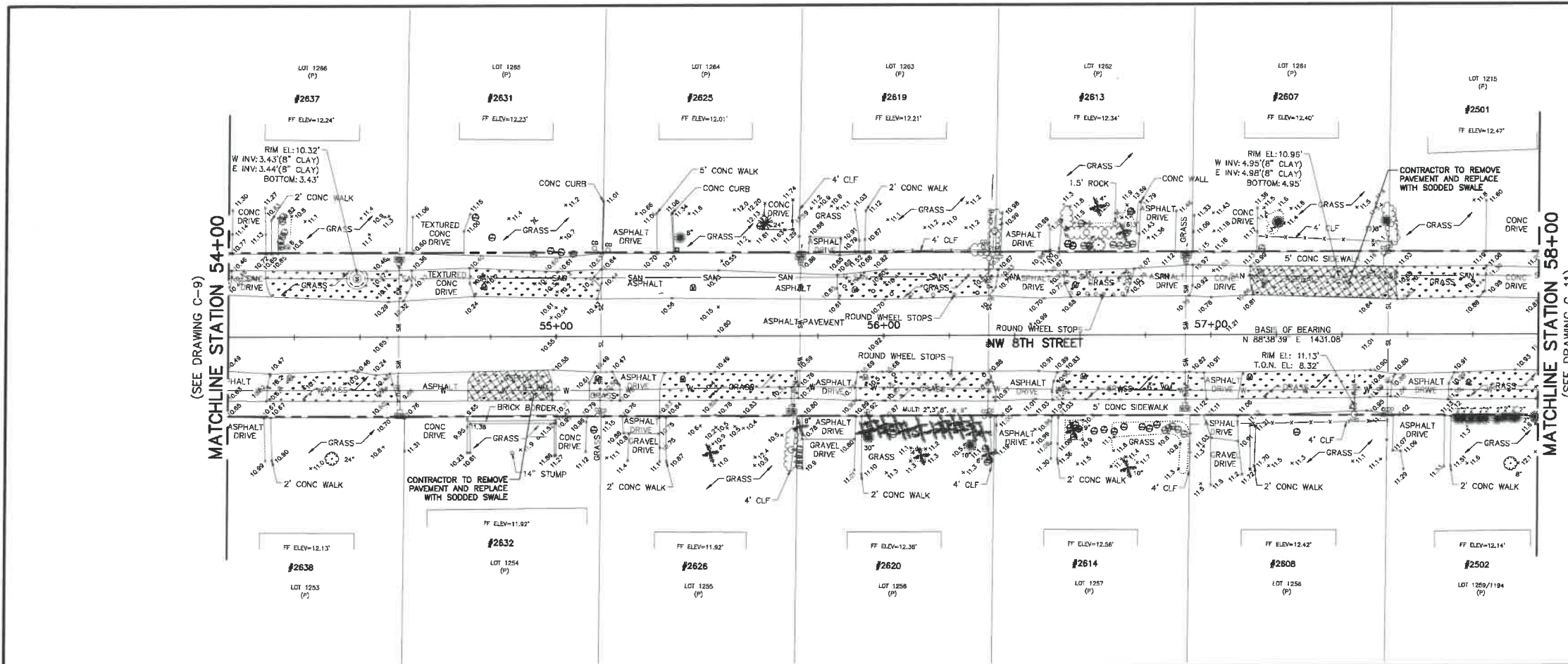
CITY OF POMPA NO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 8TH STREET
PLAN AND PROFILE - SHEET 9
STA 50+00 TO STA 54+00

DATE: JUNE 2018
SHEET: 13 of 55
DRAWING: C-9

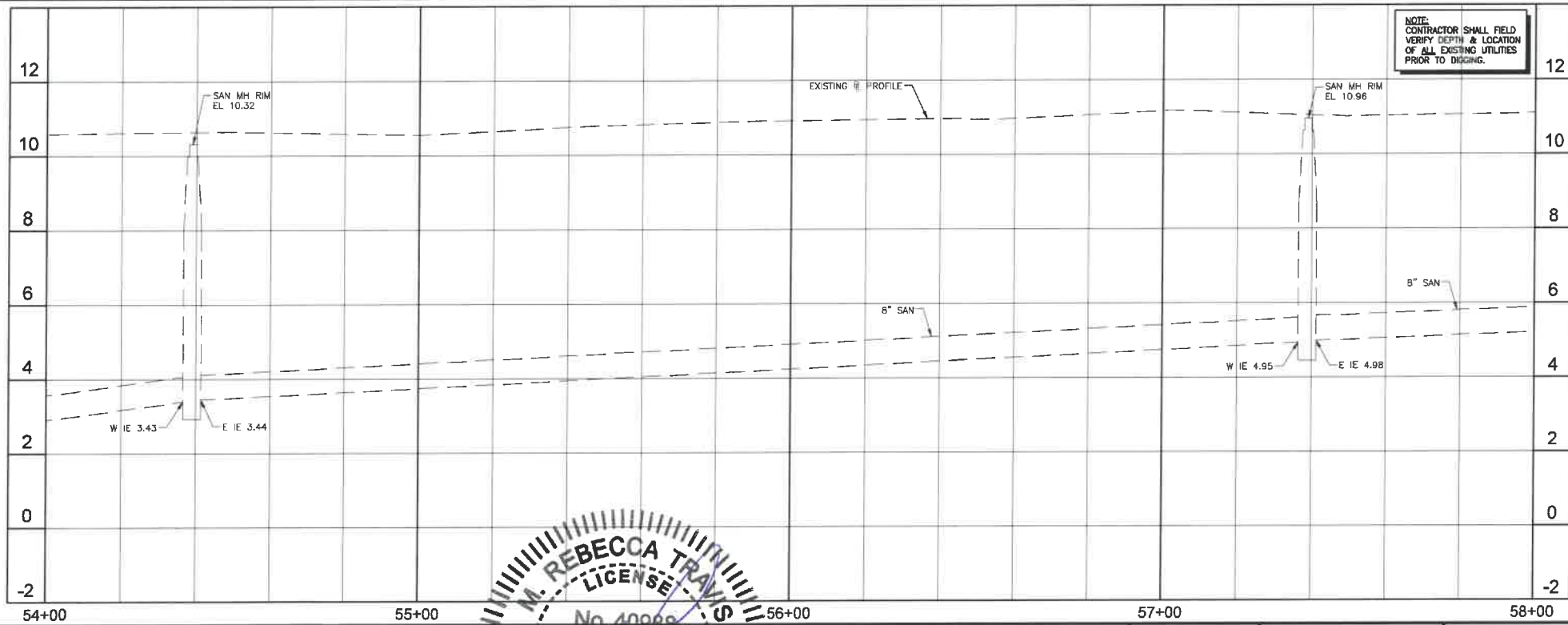
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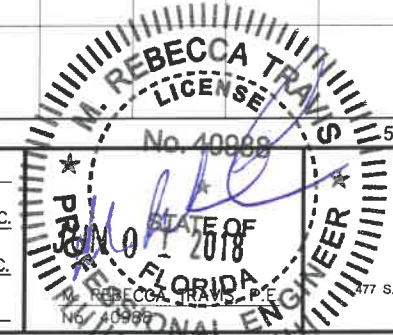
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- LEGEND**
- PROPOSED ROADWAY RECONSTRUCTION
 - PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
 - PROPOSED CONCRETE SIDEWALK RESTORATION
 - PROPOSED ASPHALT DRIVEWAY REPLACEMENT
 - PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
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DESIGNED: M.R.T.
DRAWN: J.A.J./K.C.
CHECKED: D.L.M./A.C.
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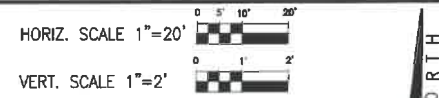
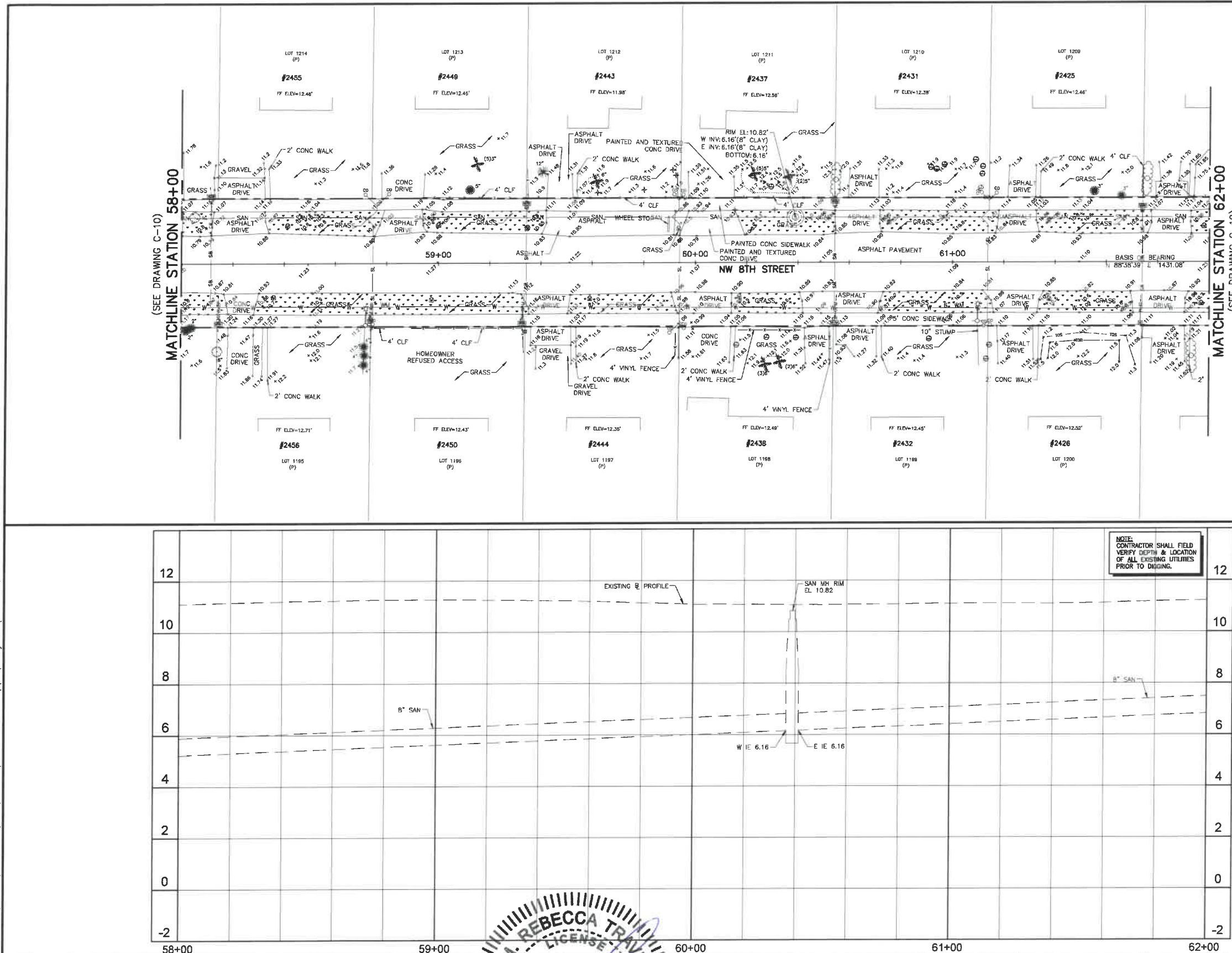
CITY OF POMPAHO BEACH
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STORMWATER IMPROVEMENTS
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PLAN AND PROFILE - SHEET 10
STA 54+00 TO STA 58+00

DATE: JUNE 2018
SHEET: 14 of 55
DRAWING: C-10

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Date/Time : Fri, 01 Jun 2018 - 9:51am
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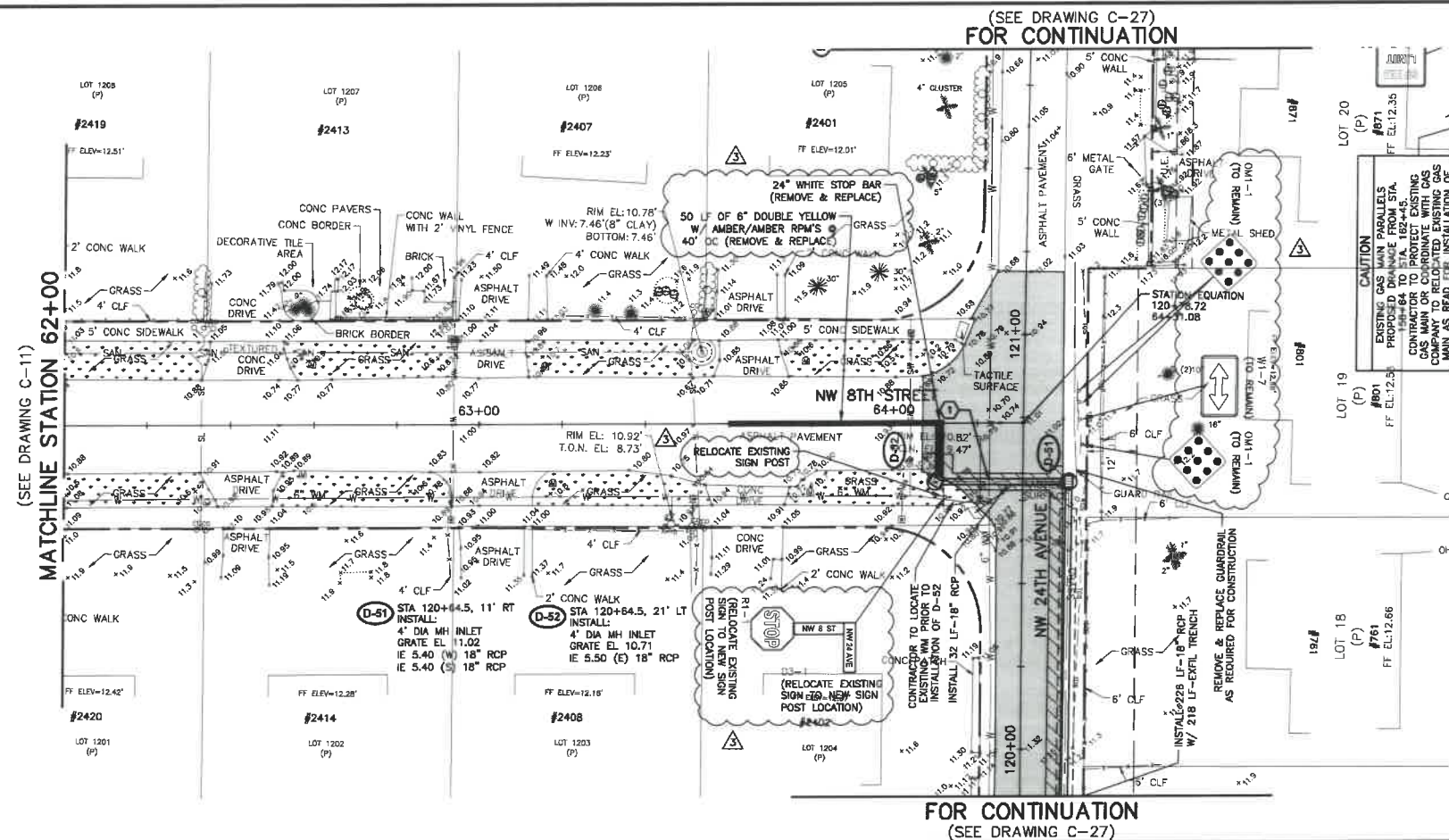


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 - IRRIGATION SYSTEMS NOT SHOWN, BUT DO EXIST THROUGHOUT PROJECT AREA. CONTRACTOR SHALL REPLACE ALL DAMAGED IRRIGATION PIPES, HEADS AND CONTROL LINES IN KIND, SO THAT SYSTEM PROVIDES ORIGINAL COVERAGE ZONES TO BE CAPPED OFF AT CONSTRUCTION LINE. BALANCE OF IRRIGATION ZONES TO REMAIN ACTIVE AND MAINTAINED.
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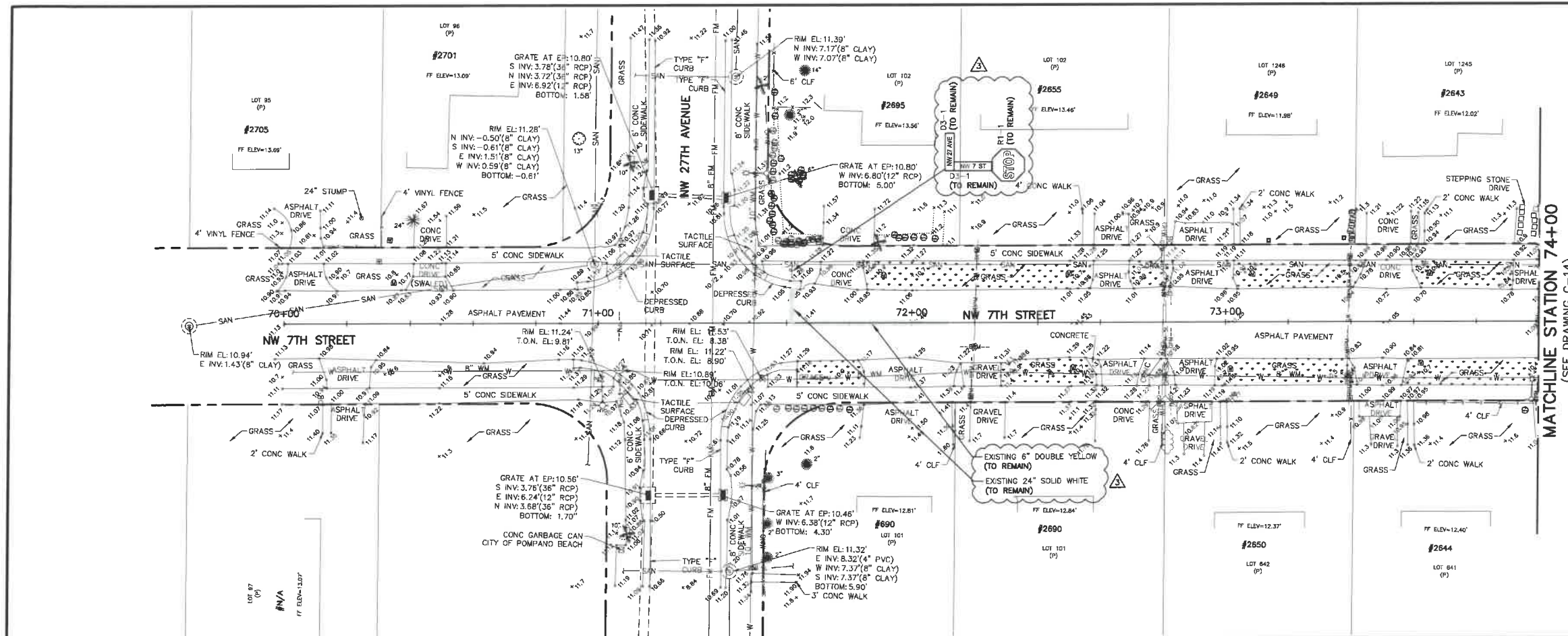
LEGEND

- PROPOSED ROADWAY RECONSTRUCTION
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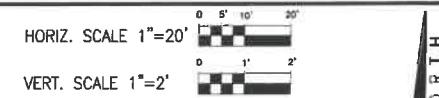
NO.	DATE	ISSUED FOR	APPR'D BY	DESIGNED: M.R.T.		 a BAXTER & WOODMAN company 7 S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401 Phone: 561-655-6175 • Fax: 561-655-6179 www.baxterwoodman.com EB-31795	VERIFY SCALE	ENGINEER NO.: 1800	CITY OF POMPAHO BEACH ESQUIRE LAKE NEIGHBORHOOD STORMWATER IMPROVEMENTS NW 8TH STREET PLAN AND PROFILE - SHEET 11 STA 58+00 TO STA 62+00	DATE: JUNE 2018 SHEET: 15 of 55 DRAWING: C-11	
				DRAWN: J.A.J./K.C.			BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.	CLIENT			
				CHECKED: D.L.M./A.C.			CAD REF.: 1800P&P				
				APPROVED: D.L.M.							



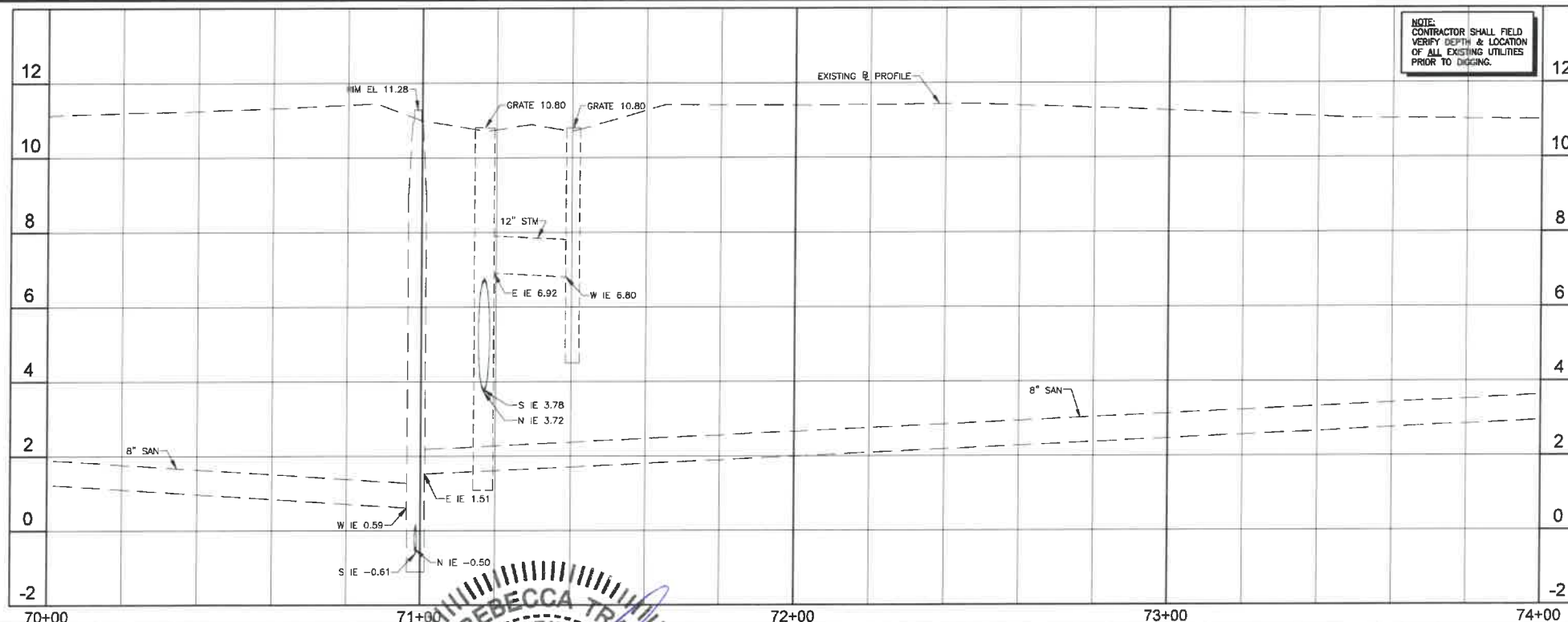
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Layout Tab: C-13
Path Name : \\WestPalmBeach\POB\616100-Esquire Lake Stormwater Imp\616100P&P.dwg



MATCHLINE STATION 74+00
(SEE DRAWING C-14)



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 - DIRECTION OF SURFACE FLOW
 - STA. TYPE
 - EL. DRAINAGE STRUCTURE
 - 2.35 PROPOSED GRADE
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NO.	DATE	ISSUED FOR	APRVD BY
2	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
3	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
4	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J./K.C.
CHECKED: D.L.M./A.C.
APPROVED: D.L.M.



MATHEWS CONSULTING
a BAXTER & WOODMAN company
S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
Phone: 561-655-6175 • Fax: 561-655-6179
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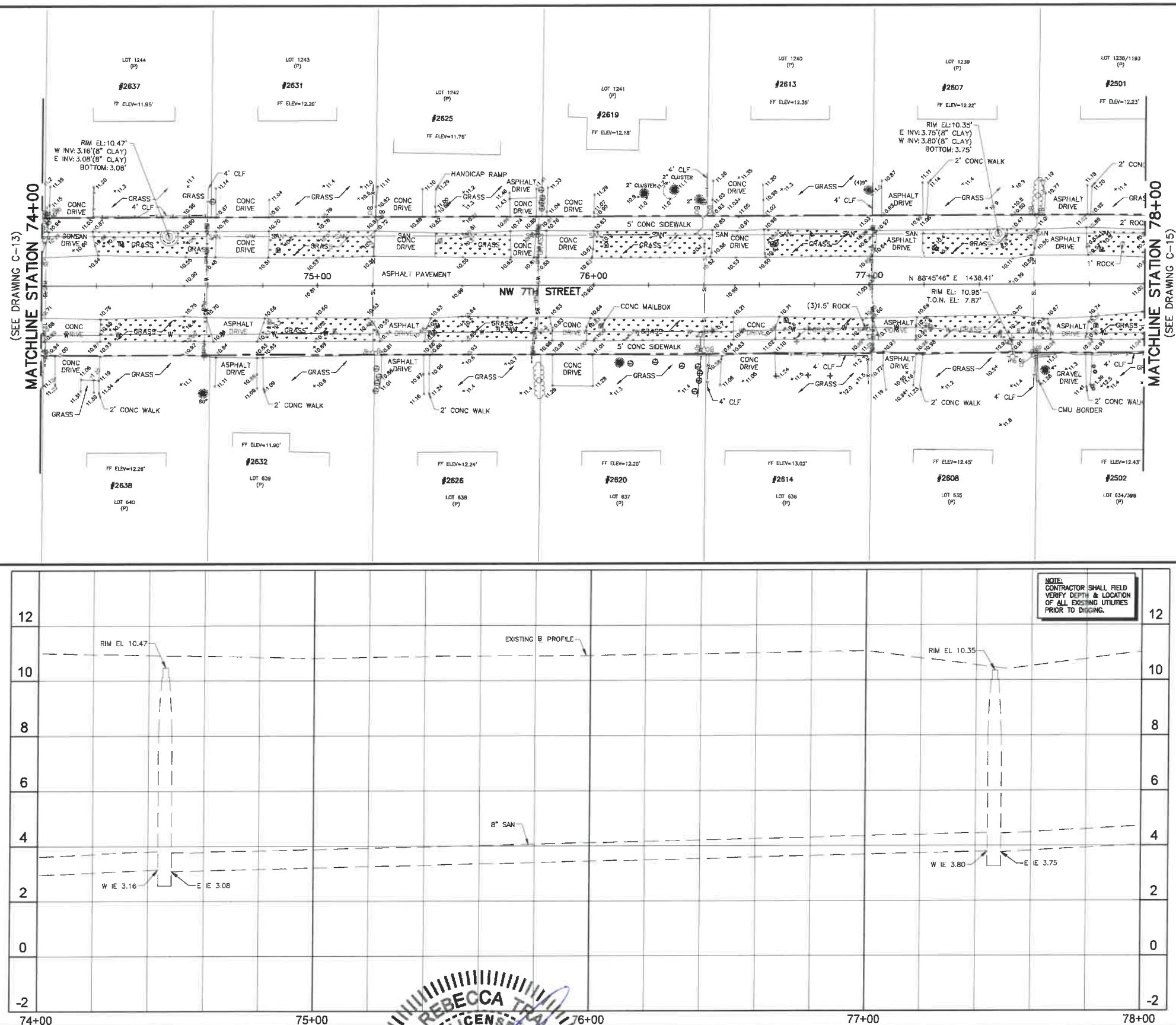
VERIFY SCALE
1" = 20'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

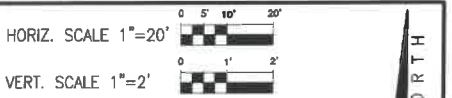
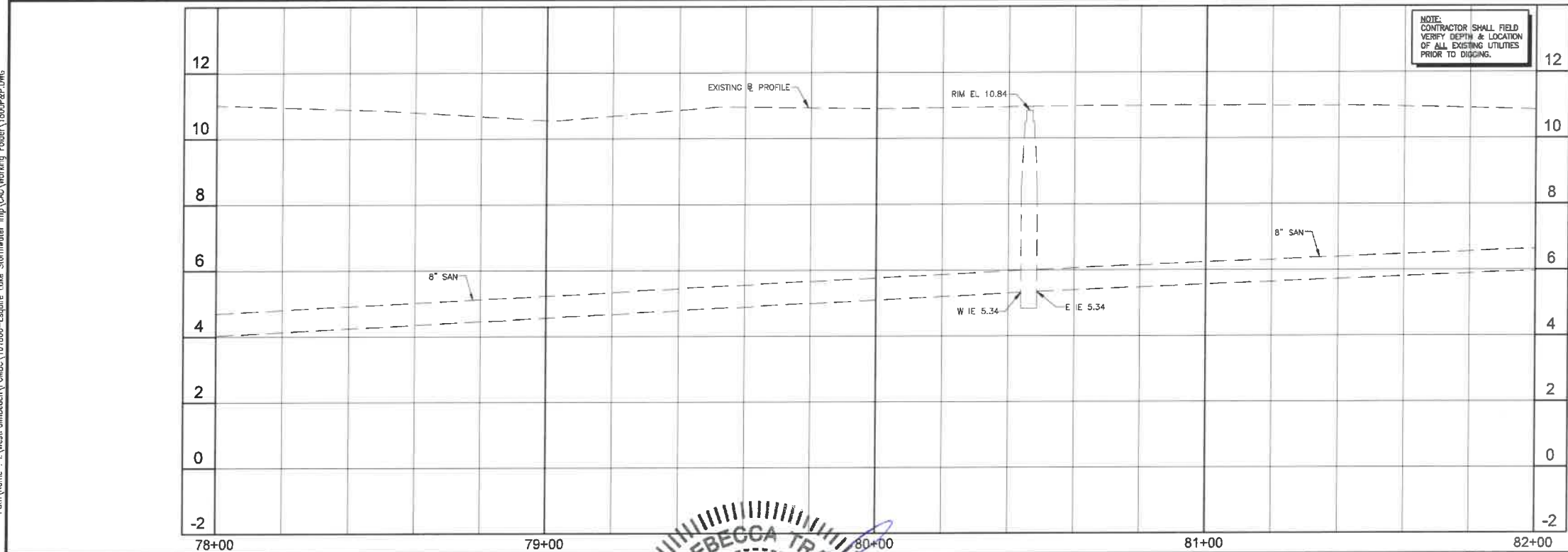
CITY OF POMPAHO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 7TH STREET
PLAN AND PROFILE - SHEET 13
STA 70+00 TO STA 74+00

DATE: JUNE 2018
SHEET: 17 of 55
DRAWING: C-13

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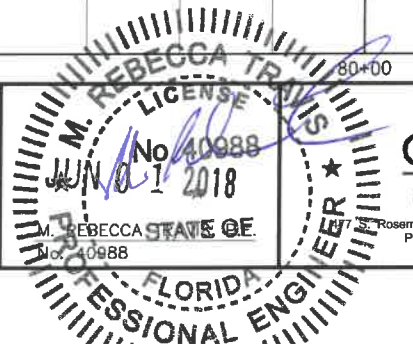
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1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.	DRAWN:	J.A.J./K.C.
2	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.	CHECKED:	D.L.M./A.C.
				APPROVED:	D.L.M.



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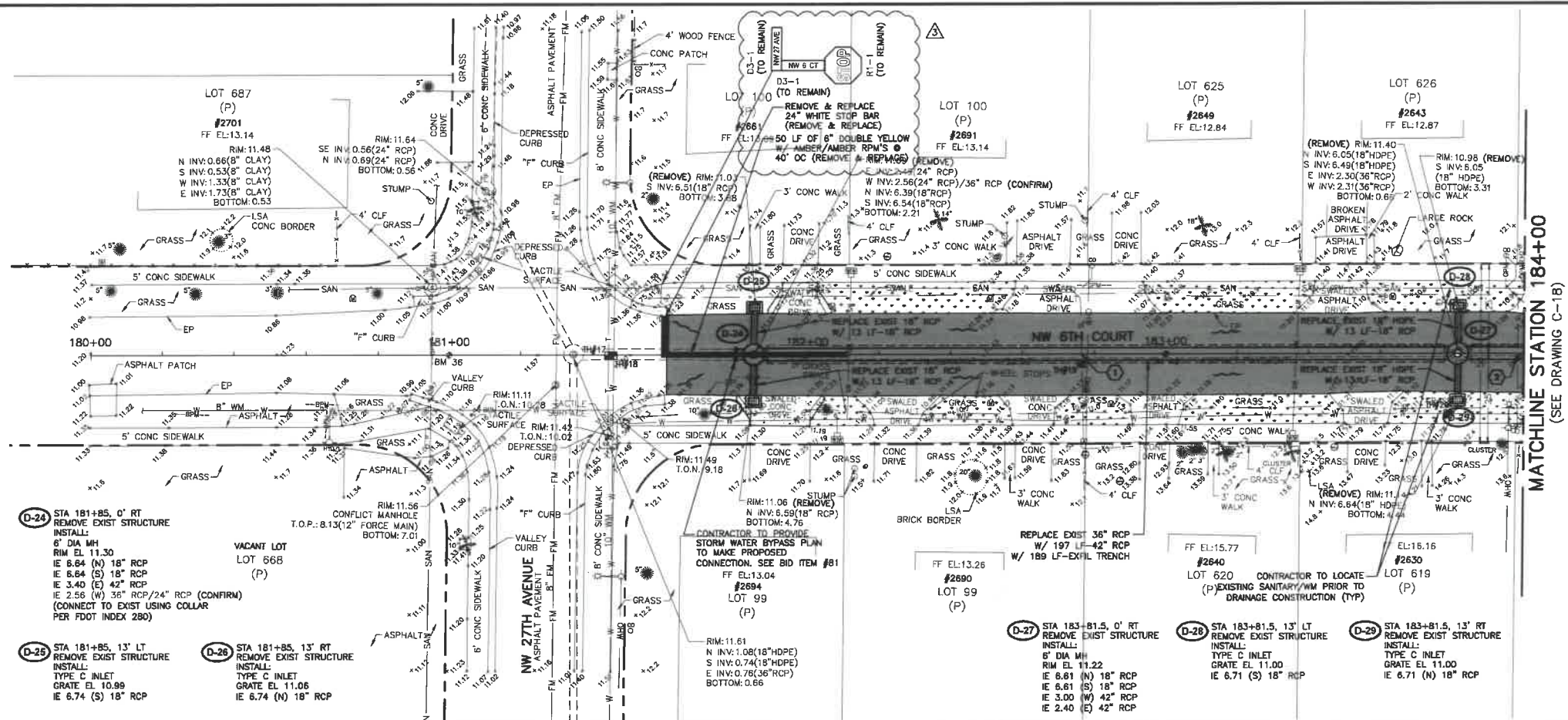
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PLAN AND PROFILE - SHEET 15
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DATE: JUNE 2018
SHEET: 19 of 55
DRAWING: C-15

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BID SET

2 CONFLICT
42" STM CROSSES UNDER 6" SAN LAT
6" SAN LAT BOP EL. = 7.2±
42" STM TOP EL. = 8.3±
CLEARANCE = 11 INCHES



TH #17
4" (STEEL) TELE
COVER=1.46'±
T.O.P.=10.04±

TH #18
10" (CI) WM
COVER=3.04'±
T.O.P.=8.45±

TH #19
6" (PVC) SAN
COVER=4.03'±
T.O.P.=8.05±

TH #20
6" (PVC) WM
COVER=3.89'±
T.O.P.=8.51±

VERT. SCALE 1"=2'

[illegible]

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DRAWING: C-17

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Acad Version : R20.1s (LMS Tech)

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VERIFY SCALE

1"

BAR IS ONE INC
ON FULL SIZE
(22x34) ORIGINAL
DRAWING. ADJUST
SCALES AS
NECESSARY.

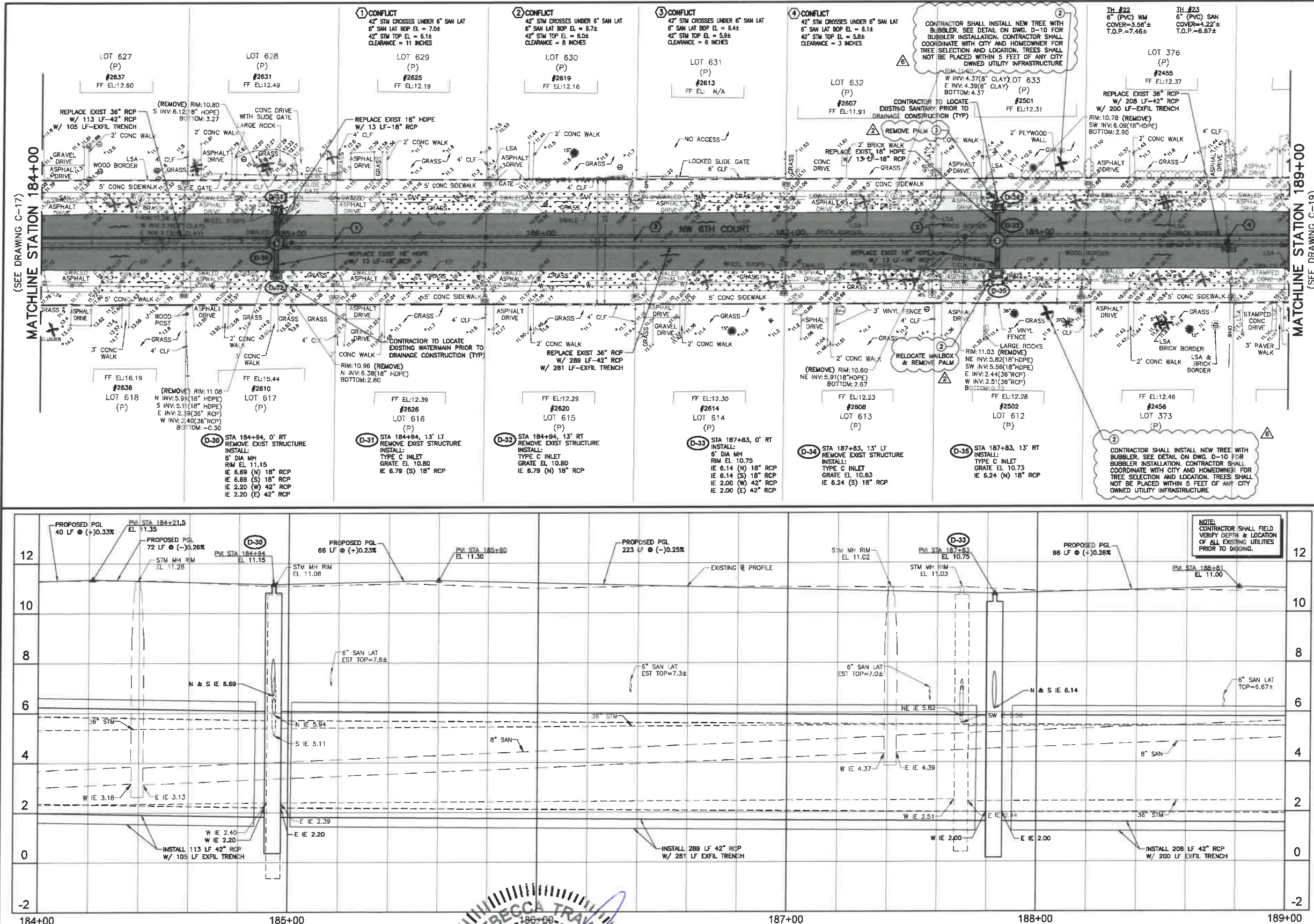
ENGINEER NO.: 1800
CLIENT
PROJECT NO.: _____
CAD REF.: 1800P&F

CITY OF POMPANO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 6TH COURT
PLAN AND PROFILE - SHEET 17
STA 180+00 TO STA 184+00

Always call 811 two full business days before you dig.

DRAWING: C-17

Acad Version: 2001.1 (LMS Tech)
User Name: J. W. Baxter
Date/Time: Fri, 01 Jun 2018 9:18am
Current Plotstyle: ByColor Layout Tab: C-18
Path Name: L:\WestPalmBeach\161800-ESQUIRE LAKE STORMWATER IMPROVEMENTS\BID SET\BID SET.dwg



HORIZ. SCALE 1"=20'

VERT. SCALE 1"=2'

NOTES:

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- PROPOSED CONCRETE SIDEWALK RESTORATION
- PROPOSED ASPHALT DRIVEWAY REPLACEMENT
- PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED SWALE REGRADING
- OPEN CUT PAVEMENT REPAIR
- PROPOSED DEMOLITION
- PROPOSED FLOWABLE FILL
- LINESTOP
- BHP-1 BORE HOLE LOCATION
- SPT-1 SOIL BORING LOCATION
- TH #1 SOFT DIG LOCATION
- TREE NUMBER
- CONFLICT DATA
- DIRECTION OF SURFACE FLOW
- DRAINAGE STRUCTURE
- PROPOSED GRADE

ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

Always call this two full business days before your dig

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BID SET

NO.	DATE	ISSUED FOR	APRVD BY
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
2	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.
3	5/08/18	CITY BUILDING DEPARTMENT RFI #4	M.R.T.

DESIGNED: M.R.T.

DRAWN: J.A.J./K

CHECKED: D.L.M./A

APPROVED: D.L.M.

NO. 40988

JUN 14 2018

REBECCA TRACY

PROFESSIONAL ENGINEER

FLORIDA

MATHEWS CONSULTING

a BAXTER & WOODMAN company

477 S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401

Phone: 561-655-6175 Fax: 561-655-6179

www.baxterwoodman.com EB-31795

VERIFY SCALE

1"

BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800

CLIENT

PROJECT NO.:

CAD REF.: 1800P&P

CITY OF POMPAHO BEACH

ESQUIRE LAKE NEIGHBORHOOD

STORMWATER IMPROVEMENTS

NW 6TH COURT

PLAN AND PROFILE - SHEET 18

STA 184+00 TO STA 189+00

DATE: JUNE 2018

SHEET: 22 of 55

DRAWING: C-18

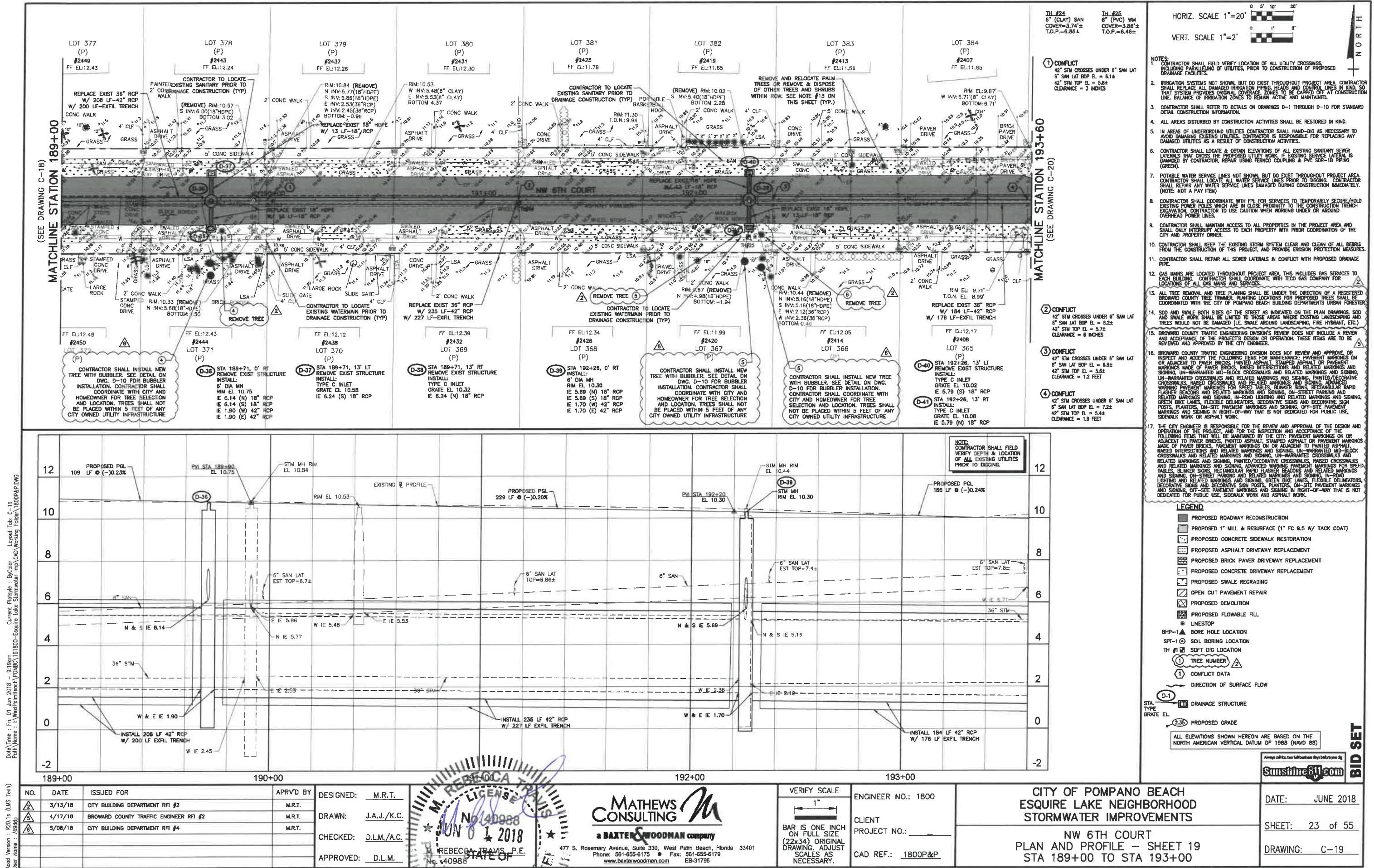


PHOTO 6 - LOOKING WEST
BETWEEN #640 & #650

PHOTO 8 - #640 SHED

FOR CONTINUATION
(SEE DRAWING C-26)

FOR CONTINUATION
(SEE DRAWING C-28)

D-43 STA 194+08, 0' RT
REMOVE EXIST STRUCTURE
INSTALL:
5' DIA MH
RIM EL. 10.10
IE 6.10 (NW) 15" RCP
IE 6.10 (SW) 15" RCP
IE 1.50 (W) 42" RCP
IE 2.19 (E) 42" PVC

D-43 STA 193+88, 13' LT
REMOVE EXIST STRUCTURE
INSTALL:
TYPE C INLET
GRATE EL. 9.64
IE 6.20 (SE) 15" RCP

D-44 STA 193+88, 13' RT
INSTALL:
TYPE C INLET
GRATE EL. 9.64
IE 6.20 (NE) 15" RCP

D-47 STA 115+69, 5' LT
EXIST STRUCTURE TO REMAIN
RIM EL. 10.33
INSTALL:
IE 2.09 (W) 42" PVC
IE 2.55 (NE) 42" PVC

D-47 STA 115+89, 5' LT
EXIST STRUCTURE TO REMAIN
RIM EL. 10.33
INSTALL:
IE 2.09 (W) 42" PVC
IE 2.55 (NE) 42" PVC

D-49 STA 115+75, 0' RT
REMOVE EXIST STRUCTURE
INSTALL:
6"x4" TYPE J INLET
GRATE EL. 10.45
IE 5.60 (S) 18" RCP W/ WE
IE 4.90 (N) 18" RCP W/ WE
IE 2.50 (SW) 42" PVC
IE 3.50 (E) 42" PVC
TOP WEIR (S) EL. = 7.40
TOP WEIR (N) EL. = 7.20
(SEE WEIR DETAIL DWG D-4)

NORTH

LEGEND

PROPOSED ROADWAY RECONSTRUCTION
PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
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PROPOSED SWALE REGRAIDING
OPEN CUT PAVEMENT REPAIR
PROPOSED DEMOLITION
PROPOSED FLOWABLE FILL
LINESTOP

BHP-1 ▲ BORE HOLE LOCATION
SPT-1 ○ SOIL BORING LOCATION
TH #1 ■ SOFT DIG LOCATION

① TREE NUMBER
△ CONFLICT DATA

~ DIRECTION OF SURFACE FLOW

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Almost all the team full back are down before you do

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DESIGNED:	M.R.T.
DRAWN:	J.A.J./M
CHECKED:	D.L.M./A
APPROVED:	D.L.M.

No. 40988
 JUN 1 2018
 STATE OF TEXAS
 M. REBECCA TRAVIS, P.E.
 No. 40988

MATHEWS CONSULTING 
a **BAXTER & WOODMAN** company

Rosemary Avenue, Suite 330, West Palm Beach, Florida 33407
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VERIFY SCALE

1"

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ENGINEER NO.: 1800
CLIENT
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CAD REF.: 1800P&P

CITY OF POMPANO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 6TH COURT AND OUTFALL #4
PLAN AND PROFILE - SHEET 20
STA 193+00 TO STA 194+40

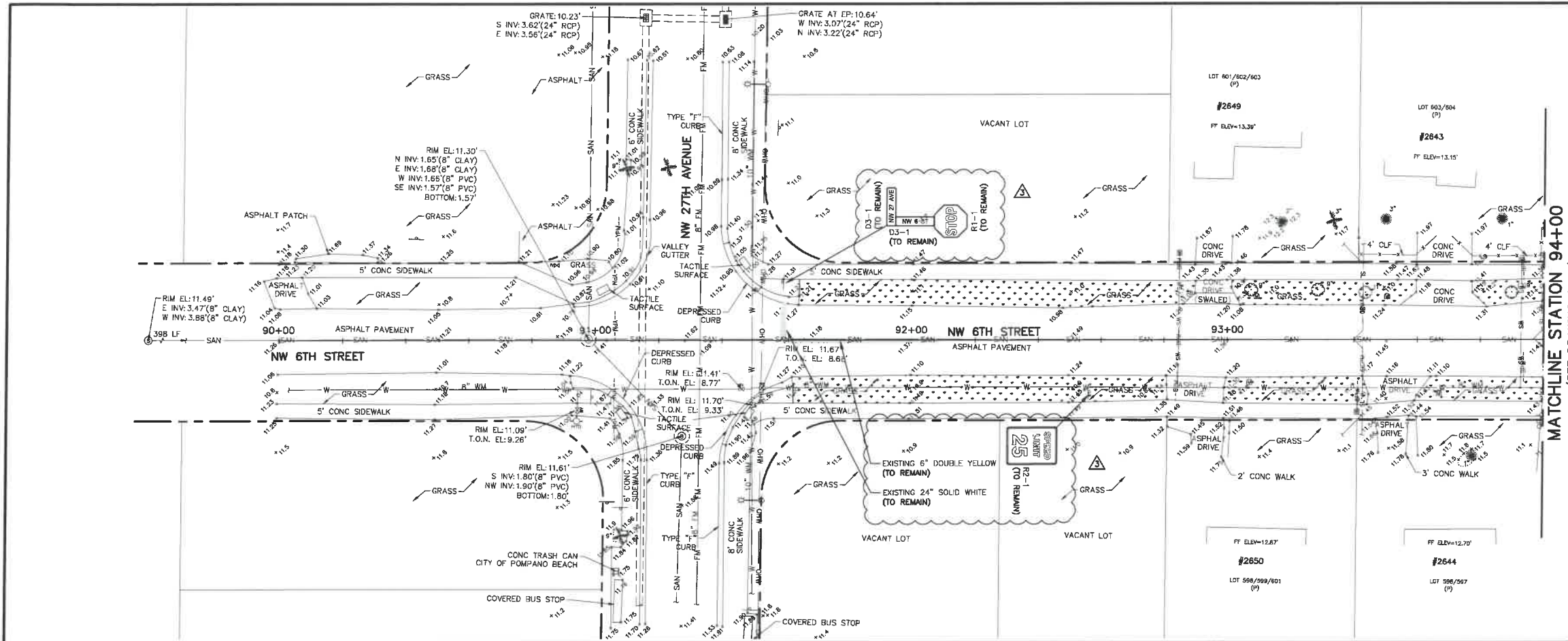
DATE: JUNE 2018

SHEET: 24 of 55

DRAWING: C-20

BID SET

Acad Version : R20.1s (LMS Tech)
User Name : R20.1s (LMS Tech)
Date/Time : Fri, 01 Jun 2018 - 9:20am
Current Profile : B/City - Legend Tab, C-21
Path Name : \\WestPalmBeach\PM\B\161800-ESQUIRE LAKE STORMWATER IMP\2018\1600022.DWG



HORIZ. SCALE 1"=20'
VERT. SCALE 1"=2'

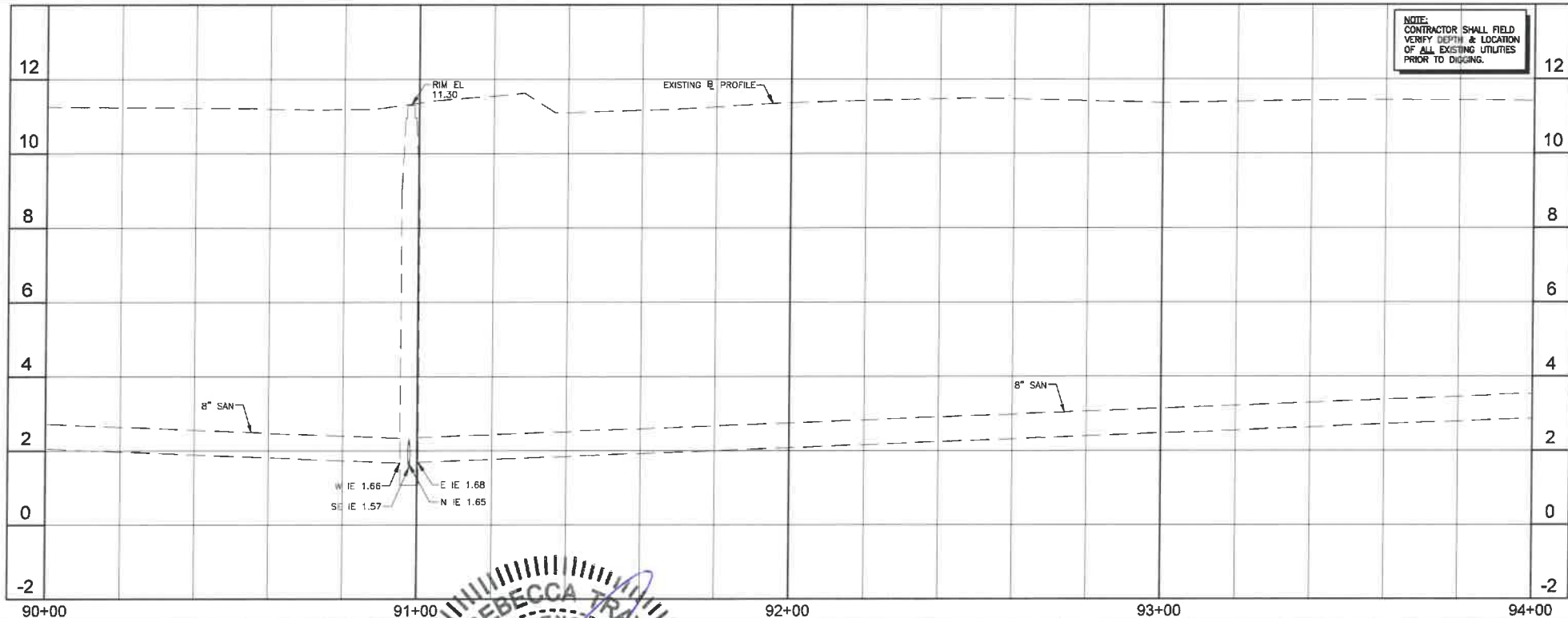
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- SPT-1 SOIL BORING LOCATION
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- 1 TREE NUMBER
- 1 CONFLICT DATA
- DIRECTION OF SURFACE FLOW
- D-1 DRAINAGE STRUCTURE
- 2.35 PROPOSED GRADE

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NO.	DATE	ISSUED FOR	APRVD BY	DESIGNED:	DRAWN:	CHECKED:	APPROVED:
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.	M.R.T.	J.A.J./K.C.	D.L.M./A.C.	D.L.M.
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ENGINEER NO.: 1800

CLIENT

PROJECT NO.:

CAD REF.: 1800P&P

CITY OF POMPA NO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS

NW 6TH STREET
PLAN AND PROFILE - SHEET 21
STA 90+00 TO STA 94+00

DATE: JUNE 2018

SHEET: 25 of 55

DRAWING: C-21

Always call this two full business days before you dig

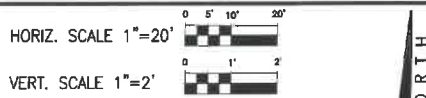
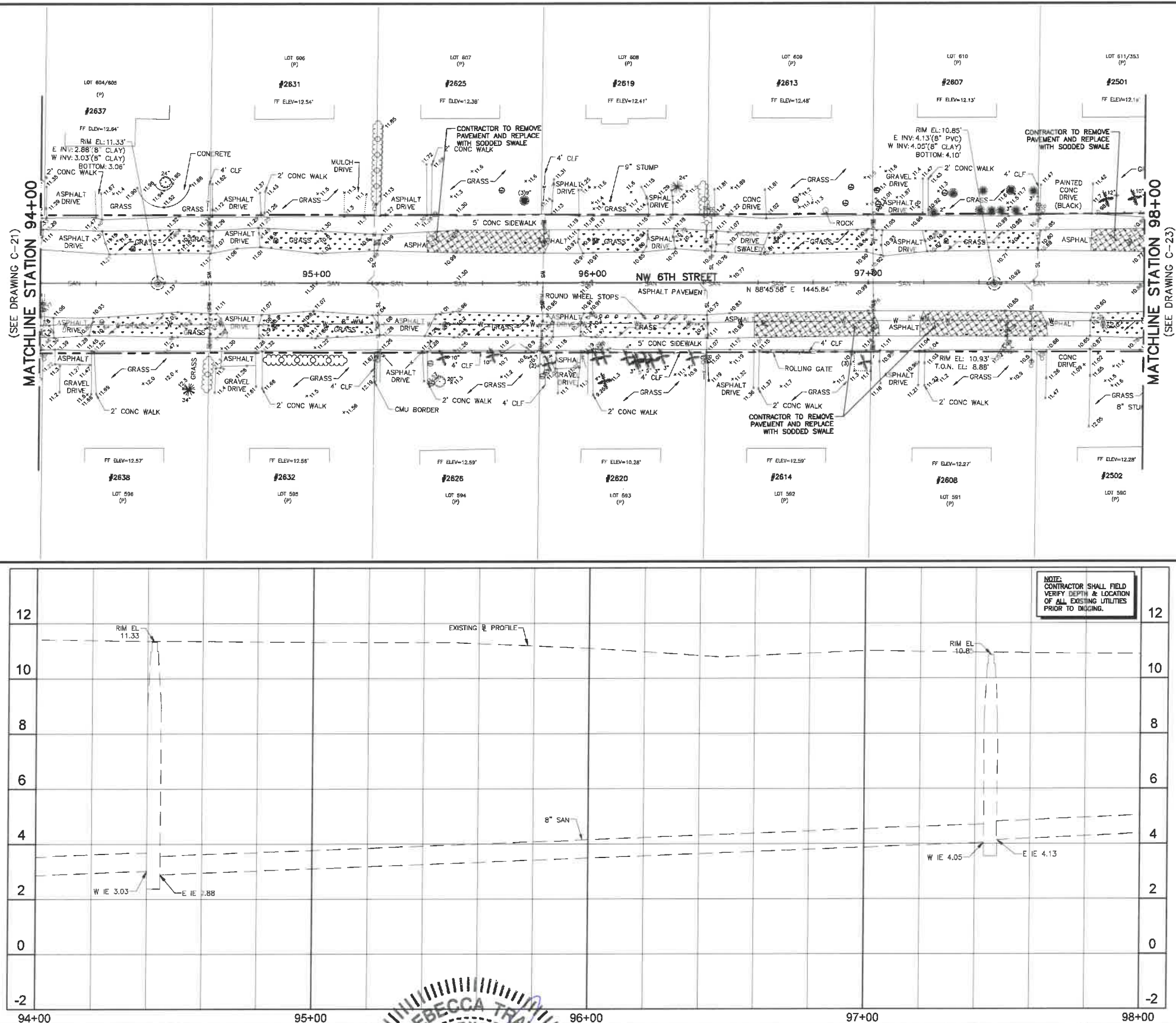
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BID SET

M. REBECCA TRAVIS, P.E.
No. 40988
1*2018
REBECCA TRAVIS, P.E.
40988
FLORIDA PROFESSIONAL ENGINEER

MATHEWS CONSULTING
a BAXTER & WOODMAN company
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Acad Version : R2018 (LMS Tech)
User Name : 759960
Date/Time : Fri, 01 Jun 2018 - 9:21am
Current Pathstyle : By Color Layout Tab, C-22
Path Name : \\WestPalmBeach\PM\61800-ESQUIRE LAKE STORMWATER IMP\61800-42.DWG



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 - D-1 DRAINAGE STRUCTURE
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NO.	DATE	ISSUED FOR	APRVD BY
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2	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J./K.C.
CHECKED: D.L.M./A.C.
APPROVED: D.L.M.



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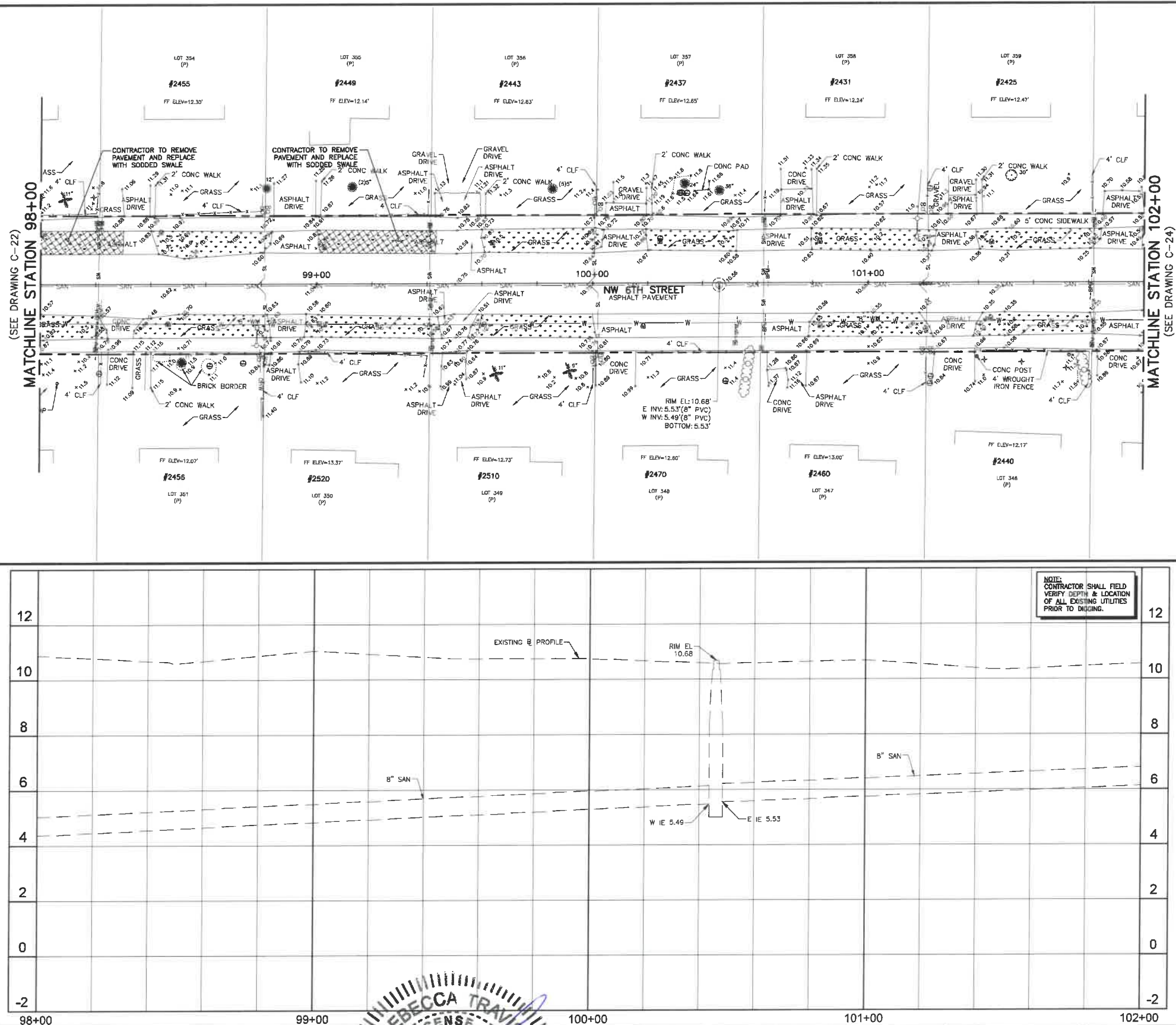
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ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPAHO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 6TH STREET
PLAN AND PROFILE - SHEET 22
STA 94+00 TO STA 98+00

BID SET
Sunshine811.com
DATE: JUNE 2018
SHEET: 26 of 55
DRAWING: C-22

Acad Version : 2016 (LMS Tech)
Date/Time : Fri, 01 Jun 2018 - 9:21am
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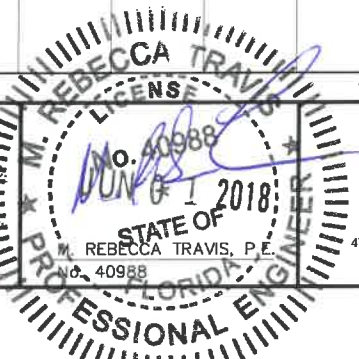
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1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
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DESIGNED: M.R.T.
DRAWN: J.A.J./K.B.
CHECKED: D.L.M./A.R.
APPROVED: D.L.M.



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VERIFY SCALE
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BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

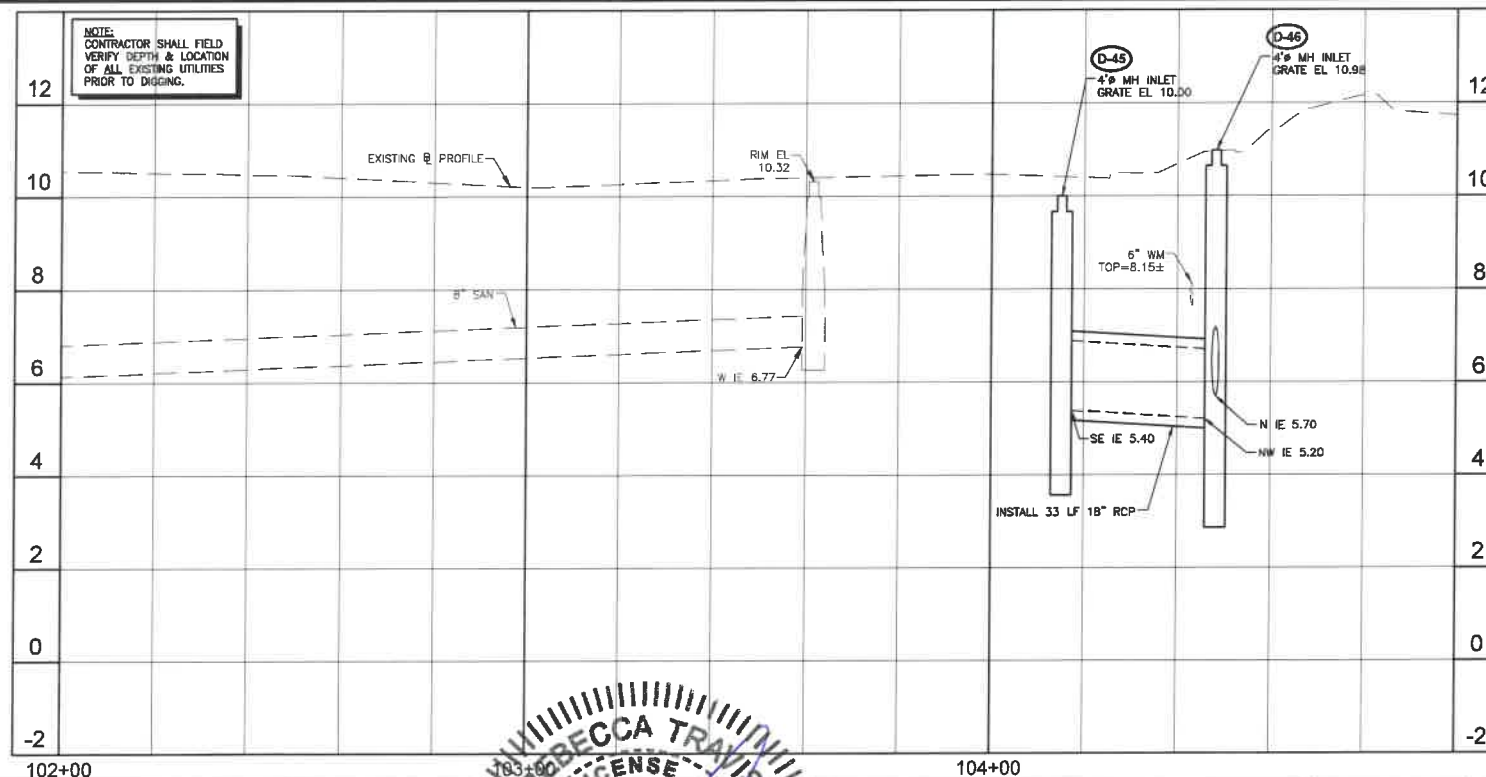
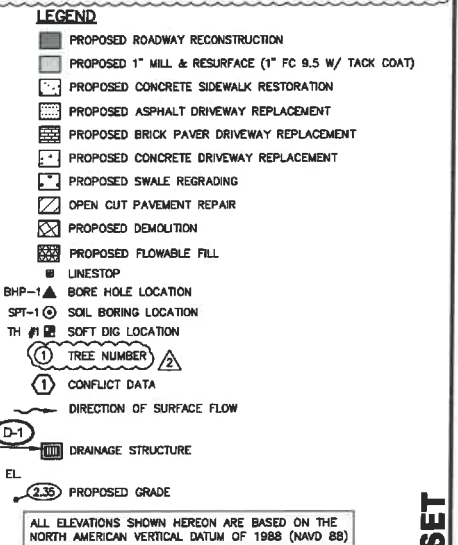
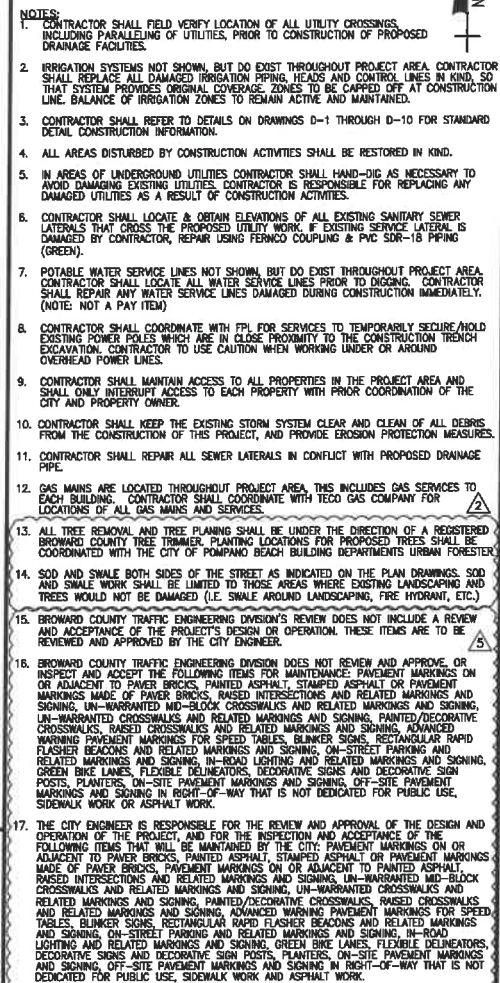
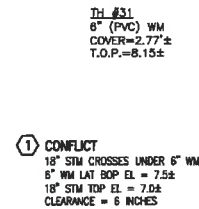
ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPAHO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 6TH STREET
PLAN AND PROFILE - SHEET 23
STA 98+00 TO STA 102+00

DATE: JUNE 2018
SHEET: 27 of 55
DRAWING: C-23

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BID SET



NO.	DATE	ISSUED FOR	APRVD BY
2	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
3	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J./K
CHECKED: D.L.M./A
APPROVED: D.L.M.

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VERIFY SCALE

1"

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ENGINEER NO.: 1800
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CAD REF.: 1800P&P

CITY OF POMPANO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 6TH STREET
PLAN AND PROFILE - SHEET 24
STA 102+00 TO STA 104+45.84

DATE:	JUNE 2018
SHEET:	28 of 55
DRAWING:	C-24

Acad Version : R20.1s (LMS Tech)
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User Name : z69add
Current Plotstyle : ByColor
Layout Tab: C-24

Drawn: J. Travis
Checked: D.L.M.
Designed: M.R.T.
Issued For: CITY BUILDING DEPARTMENT RFI #2
Date: 3/13/18
City: Pompano Beach
Project: Stormwater Improvements
Sheet: 29 of 55
Drawing: C-25

Acad Version: 2014 (LMS Tech)
User Name: J. Travis
Date: 3/13/18
Time: 9:22am
Path: \\Pompano\Projects\Stormwater\2018\29 of 55\Drawings\29 of 55.dwg

NO.	DATE	ISSUED FOR	APRVD BY
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3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.
4	5/08/18	CITY BUILDING DEPARTMENT RFI #4	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J./K
CHECKED: D.L.M./A
APPROVED: D.L.M.
Professional Engineer
No. 40988
State of Florida

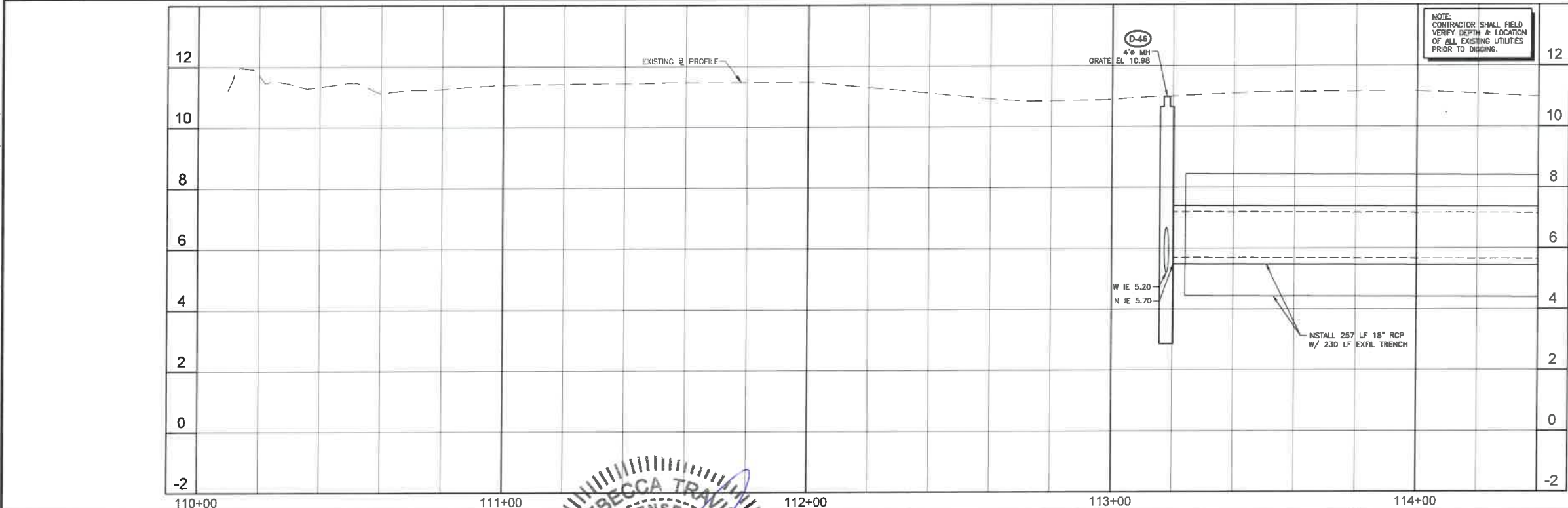
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CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 24TH AVENUE
PLAN AND PROFILE - SHEET 25
STA 110+00 TO STA 114+40

DATE: JUNE 2018
SHEET: 29 of 55
DRAWING: C-25



NOTE:
CONTRACTOR SHALL FIELD VERIFY DEPTH & LOCATION OF ALL EXISTING UTILITIES PRIOR TO DIGGING.

LEGEND

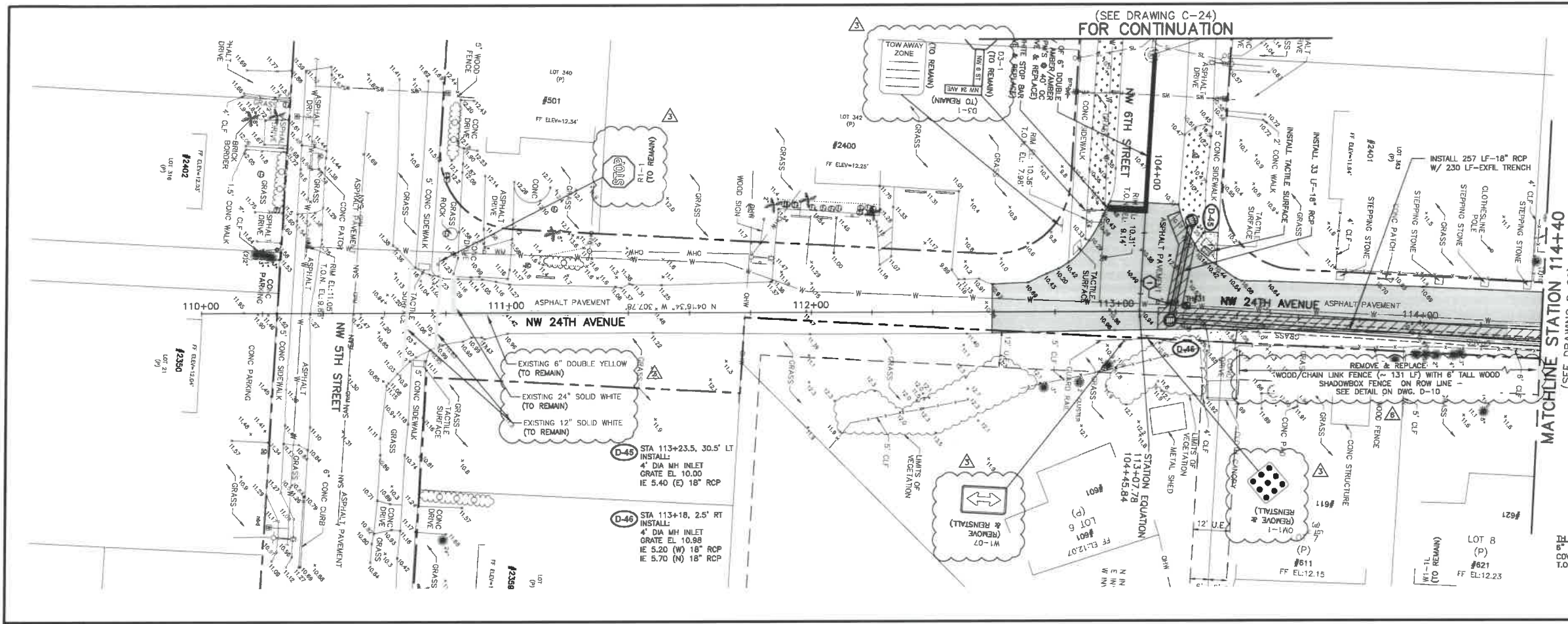
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BID SET

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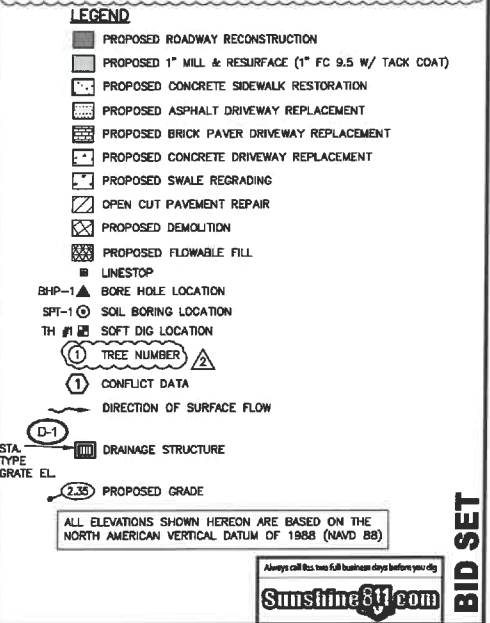
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- 2.35 PROPOSED GRADE

ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

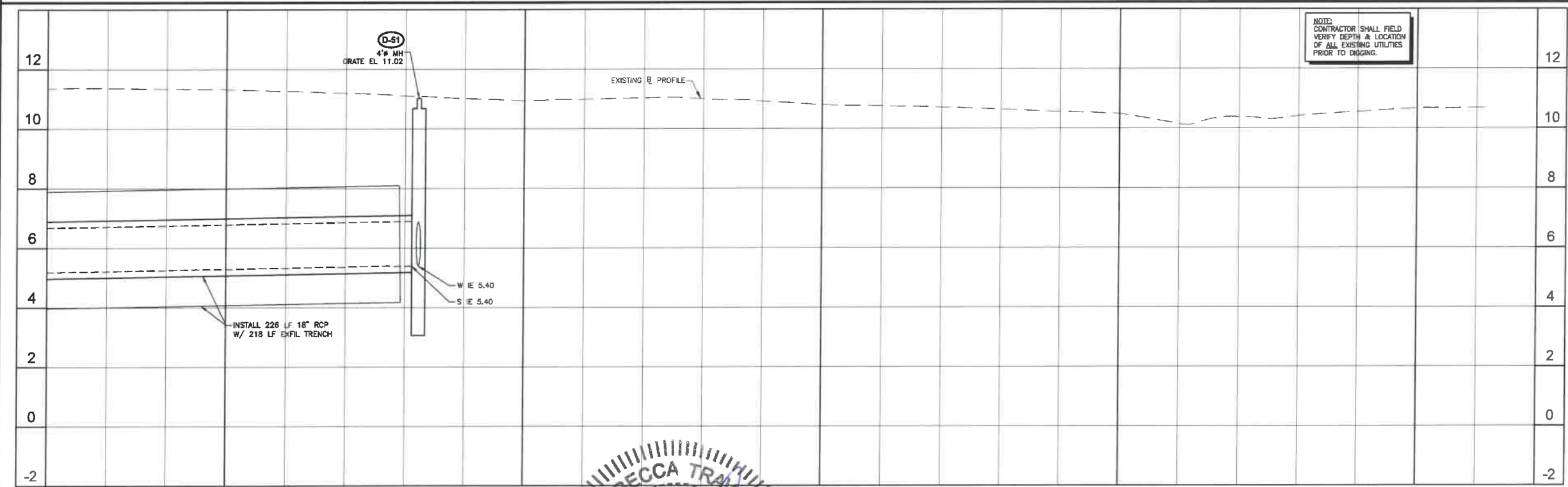
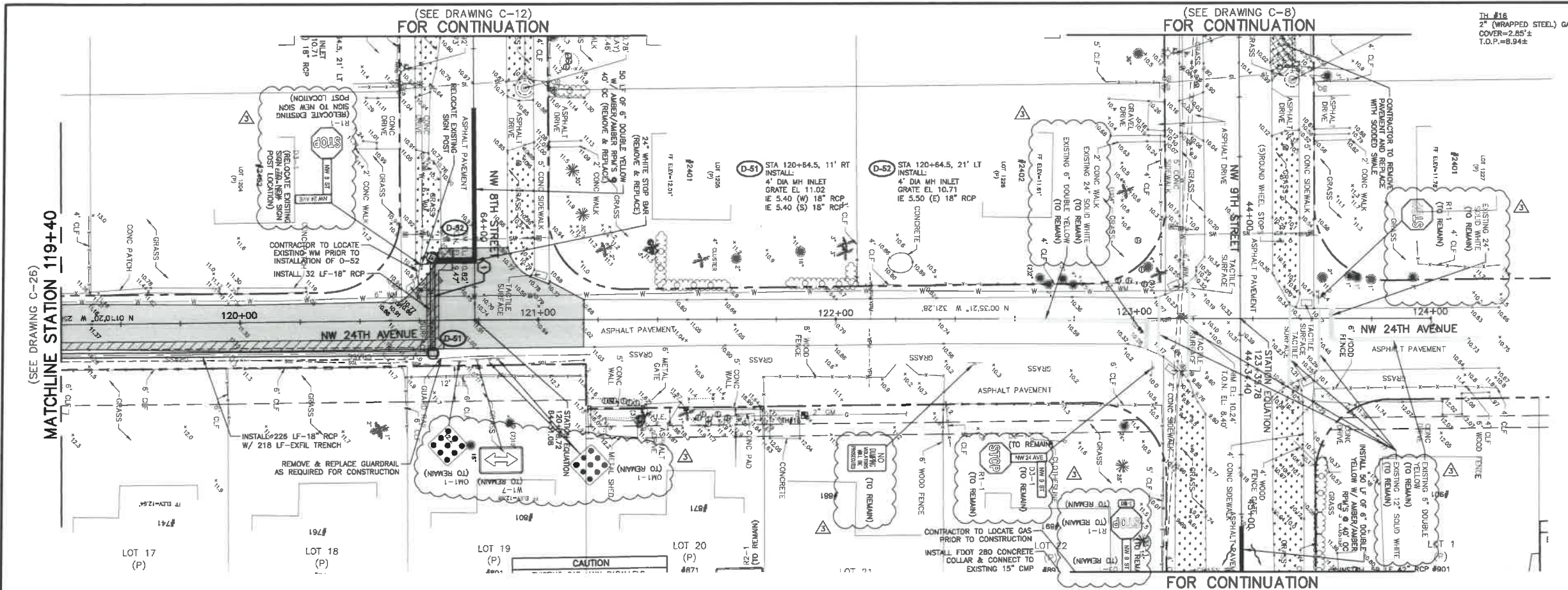
BID SET

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**BID SET**

Drawn: 1800P&P
Checked: 1800P&P
Designed: 1800P&P
Date: 1800P&P
User: 1800P&P



HORIZ. SCALE 1"=20'

VERT. SCALE 1"=2'

TH 1/8" (WRAPPED STEEL) GAS COVER=2.85"± T.O.P.=8.94"±

NOTES:

- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UTILITY CROSSINGS, INCLUDING PARALLELING OF UTILITIES, PRIOR TO CONSTRUCTION OF PROPOSED DRAINAGE FACILITIES.
- IRRIGATION SYSTEMS NOT SHOWN, BUT DO EXIST THROUGHOUT PROJECT AREA. CONTRACTOR SHALL REPLACE ALL DAMAGED IRRIGATION PIPING, HEADS AND CONTROL LINES IN KIND, SO THAT SYSTEM PROVIDES ORIGINAL COVERAGE ZONES TO BE CAPPED OFF AT CONSTRUCTION LINE. BALANCE OF IRRIGATION ZONES TO REMAIN ACTIVE AND MAINTAINED.
- CONTRACTOR SHALL REFER TO DETAILS ON DRAWINGS D-1 THROUGH D-10 FOR STANDARD DETAIL CONSTRUCTION INFORMATION.
- ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED IN KIND.
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- CONTRACTOR SHALL LOCATE & OBTAIN ELEVATIONS OF ALL EXISTING SANITARY SEWER LATERALS THAT CROSS THE PROPOSED UTILITY WORK. IF EXISTING SERVICE LATERAL IS DAMAGED BY CONTRACTOR, REPAIR USING FIBROD COUPLING & PVC SD-18 PIPING (GREEN).
- POTABLE WATER SERVICE LINES NOT SHOWN, BUT DO EXIST THROUGHOUT PROJECT AREA. CONTRACTOR SHALL LOCATE ALL WATER SERVICE LINES PRIOR TO DIGGING. CONTRACTOR SHALL REPAIR ANY WATER SERVICE LINES DAMAGED DURING CONSTRUCTION IMMEDIATELY. (NOTE: NOT A PAY ITEM)
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- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES IN THE PROJECT AREA AND SHALL ONLY INTERFERE WITH ACCESS TO EACH PROPERTY WITH PRIOR COORDINATION OF THE CITY AND PROPERTY OWNER.
- CONTRACTOR SHALL KEEP THE EXISTING STORM SYSTEM CLEAR AND CLEAN OF ALL DEBRIS FROM THE CONSTRUCTION OF THIS PROJECT, AND PROVIDE EROSION PROTECTION MEASURES.
- CONTRACTOR SHALL REPAIR ALL SEWER LATERALS IN CONFLICT WITH PROPOSED DRAINAGE PIPE.
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- THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVED MARKINGS ON OR ADJACENT TO PAVED BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVED BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLUNKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.

LEGEND

- PROPOSED ROADWAY RECONSTRUCTION
- PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
- PROPOSED CONCRETE SIDEWALK RESTORATION
- PROPOSED ASPHALT DRIVEWAY REPLACEMENT
- PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED SWALE REGRADING
- OPEN CUT PAVEMENT REPAIR
- PROPOSED DEMOLITION
- PROPOSED FLOWABLE FILL
- LINESTOP
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ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

DATE: JUNE 2018

SHEET: 31 of 55

DRAWING: C-27

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BID SET

NO.	DATE	ISSUED FOR	APRVD BY
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
2	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.

DESIGNED: M.R.T.	DRAWN: J.A.J./K.C.	CHECKED: D.L.M./A.C.	APPROVED: D.L.M.
------------------	--------------------	----------------------	------------------



MATHEWS CONSULTING

a BAXTER & WOODMAN company

Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401

Phone: 561-655-6175 • Fax: 561-655-6179

www.baxterandwoodman.com EB-31795

VERIFY SCALE

1" = 1'

BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800

CLIENT

PROJECT NO.: _____

CAD REF.: 1800P&P

CITY OF POMPA NO BEACH

ESQUIRE LAKE NEIGHBORHOOD

STORMWATER IMPROVEMENTS

NW 24TH AVENUE

PLAN AND PROFILE - SHEET 27

STA 119+40 TO STA 124+00

TH #30
2" (WRAPPED STEEL) GAS
COVER=2.80'±
T.O.P.=7.97±

TH #23
6" (C) WM
COVER=2.74'±
T.O.P.=6.71±



PHOTO 1 - LOOKING WEST
BETWEEN #641 & #651



PHOTO 2 - LOOKING WEST
BETWEEN #640 & #650

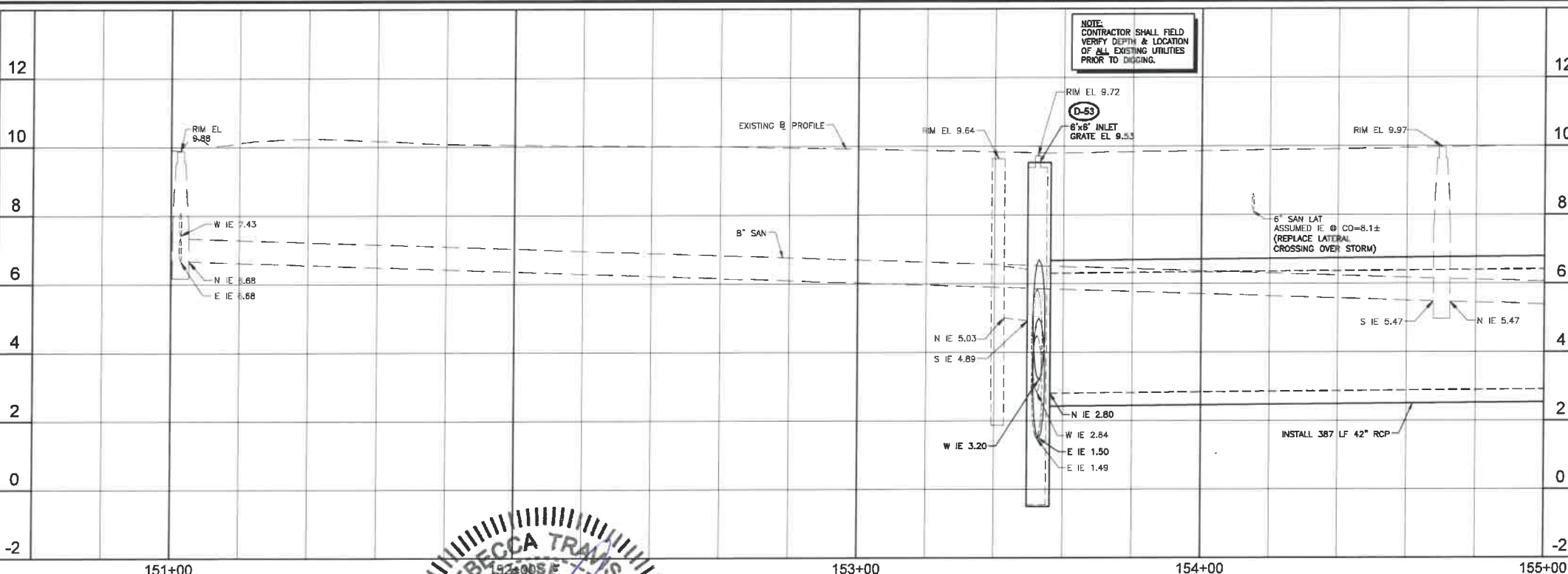


PHOTO 3



PHOTO 9

7 CONFLICT
42" STM CROSSES UNDER 6" SAN LAT
6" SAN LAT ROP EL = 8.04
42" STM TOP EL = 6.62
CLEARANCE = 1.4 FEET



(SEE DRAWING C-20)
FOR CONTINUATION

FOR CONTINUATION
(SEE DRAWING C-20)

HORIZ. SCALE 1"=20'
VERT. SCALE 1"=2'
NORTH

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Acad Version : P201.1s (LMS Tech)
User Name : J. Zeng
Date/Time : Fri, 01 Jun 2018 : 9:25am
Current Plot Style : BColor
Path Name : \\WestPompano\BColor\161800-Esquire Lake Stormwater.mxd (D:\BColor\161800-Esquire Lake Stormwater.mxd)

NO.	DATE	ISSUED FOR	APRVD BY	DESIGNED:	M.R.T.
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.		
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3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.		
4	5/08/18	CITY BUILDING DEPARTMENT RFI #4	M.R.T.		
5	5/16/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #3	M.R.T.		

DESIGNED:	M.R.T.
DRAWN:	J.A.J./K.C.
CHECKED:	D.L.M./A.C.
APPROVED:	D.L.M.

M. REBECCA TRAVIS, P.E.
Professional Engineer
No. 40968
State of Florida

MATHEWS CONSULTING
a BAXTER & WOODMAN company
Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
Phone: 561-655-6175 Fax: 561-655-6179
www.baxterwoodman.com EB-31795

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BAR IS ONE INCH ON FULL SIZE
DRAWING. ADJUST SCALES AS NECESSARY.

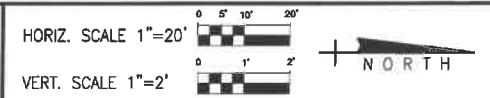
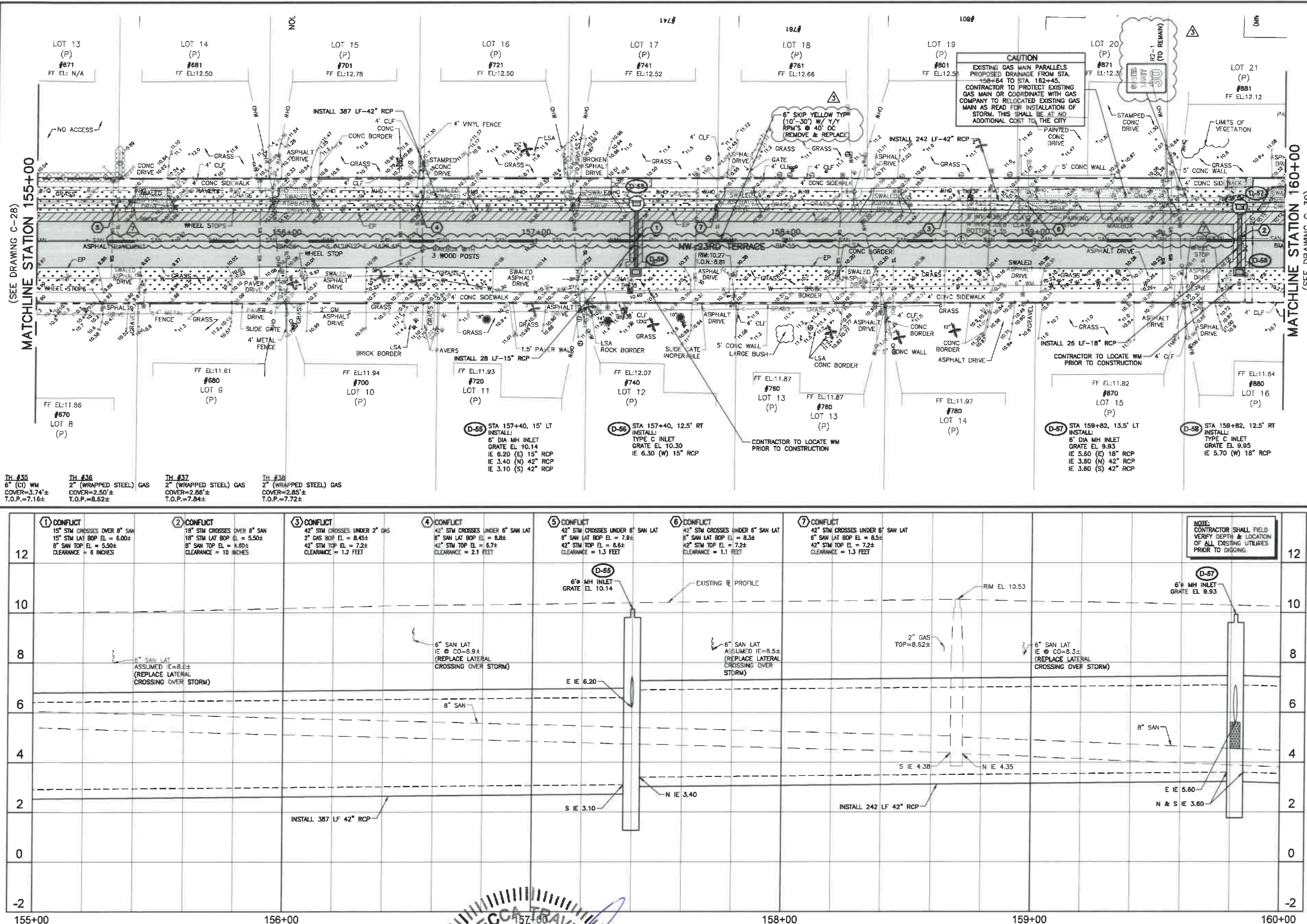
ENGINEER NO.: 1800
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PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPANO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 23RD TERRACE
PLAN AND PROFILE - SHEET 28
STA 151+00 TO STA 155+00

DATE: JUNE 2018
SHEET: 32 of 55
DRAWING: C-28

Always call this two full business days before your day
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BID SET

Acad Version : 2016 (LMS Tech)
User Name : 759461
Date/Time : Fri, 01 Jun 2018 - 9:24am
Current Plotstyle : BxCad.ctb
Path Name : L:\Work\Bids\Bids\18000-Stormwater\18000-Stormwater.dwg
Layout Tab: C-29



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DESIGNED: M.R.T.
DRAWN: J.A.J.
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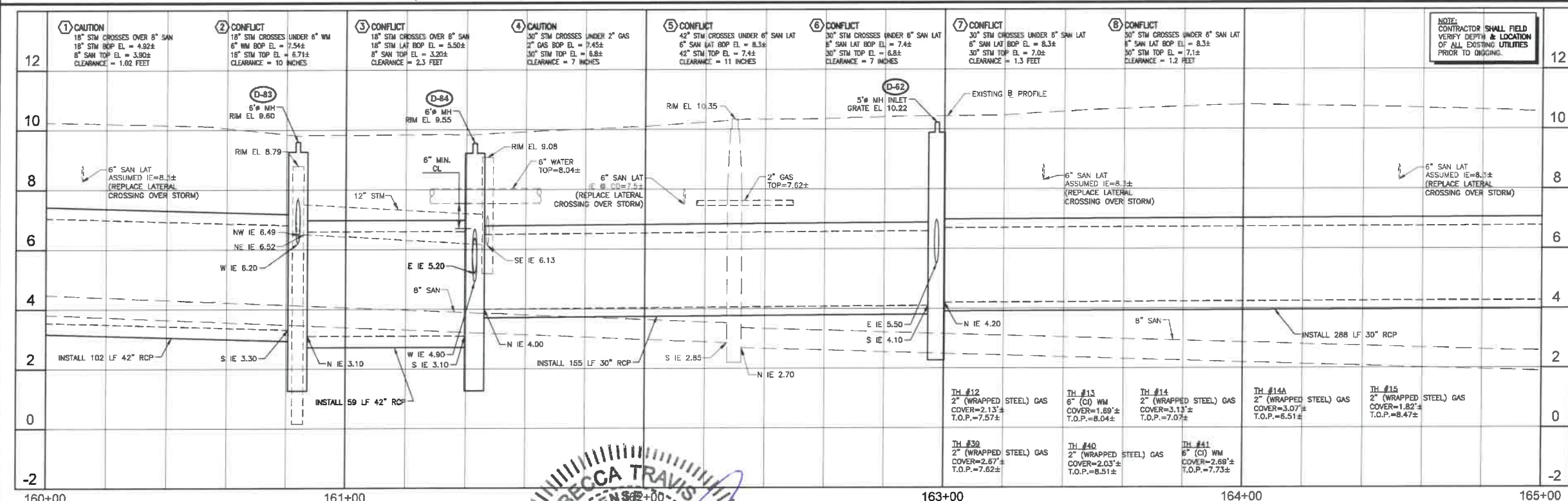
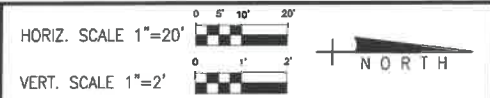
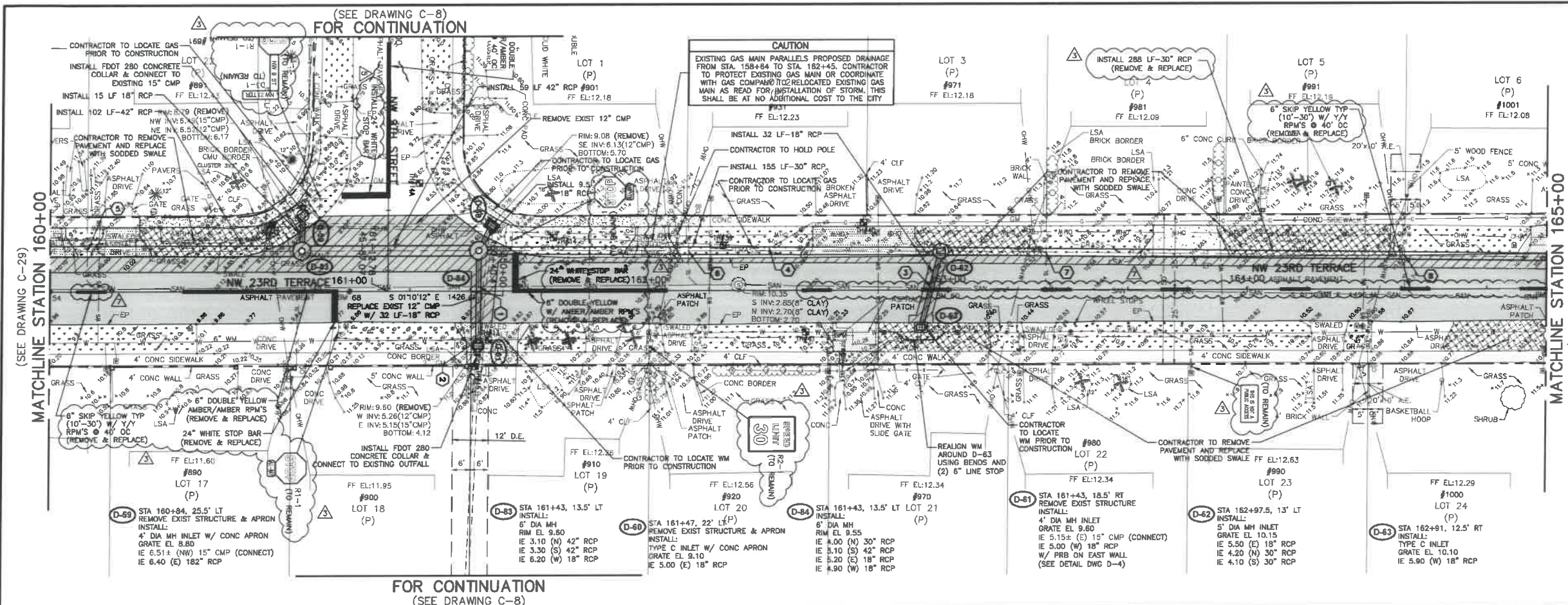
ENGINEER NO.: 1800
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CITY OF POMPA NO BEACH
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STORMWATER IMPROVEMENTS

NW 23RD TERRACE
PLAN AND PROFILE - SHEET 29
STA 155+00 TO STA 160+00

BID SET

DATE: JUNE 2018
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DRAWING: C-29



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Professional Engineer License for M. Rebecca Travis, No. 40988, State of Florida, expires 12/31/2008.

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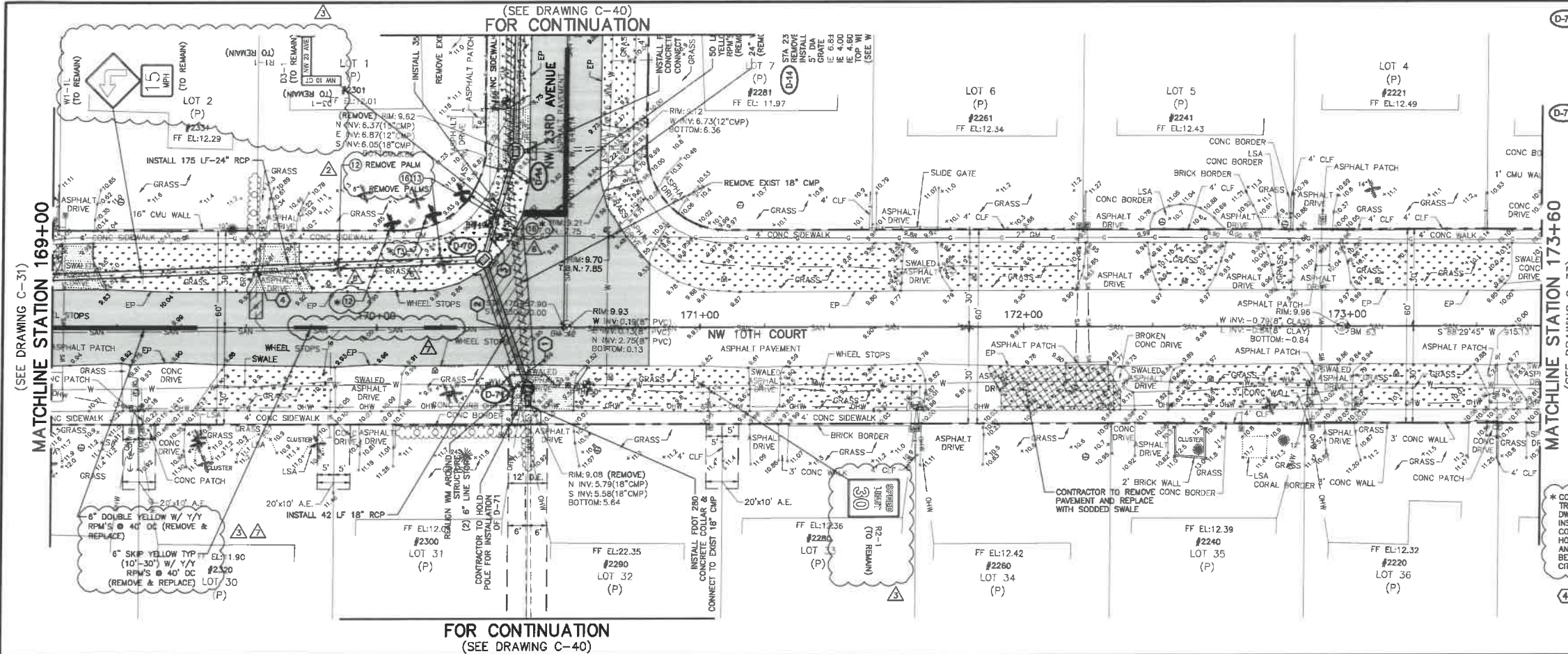
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ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 23RD TERRACE
PLAN AND PROFILE - SHEET 30
STA 160+00 TO STA 165+00

BID SET

Acad Version : R20.1s (LMS Tech)
User Name : 76966
Date/Time : Fri, 01 Jun 2018 - 8:25am
Path Name : I:\WestPalmBeach\POWERC\161800-ESQUIRE LAKE STORMWATER IMP\CAD\Working Folder\1600P&P.DWG
Current Plot Style : B:\Cadd\Working Folder\1600P&P.DWG
Layout Tab: C-32



STA 170+33, 21' LT
INSTALL:
5' DIA MH INLET
GRATE EL. 9.65
IE 4.50 (S) 18" RCP
IE 4.50 (N) 18" RCP
IE 3.10 (W) 24" RCP

STA 170+47, 19' RT
REMOVE EXIST STRUCTURE
INSTALL:
4' DIA MH INLET
GRATE EL. 9.10
IE 4.30 (N) 18" RCP
IE 5.98± (S) 18" CMP (CONNECT)
W/ PRB ON SOUTH WALL
(SEE DETAIL DWG D-4)

TH #48
1" (WRAPPED STEEL) GAS
COVER=2.05'±
T.O.P.=8.17±

TH #50
6" (C) WM
COVER=3.27'±
T.O.P.=6.59±

TH #51
2" (WRAPPED STEEL) GAS
COVER=2.12'±
T.O.P.=8.38±

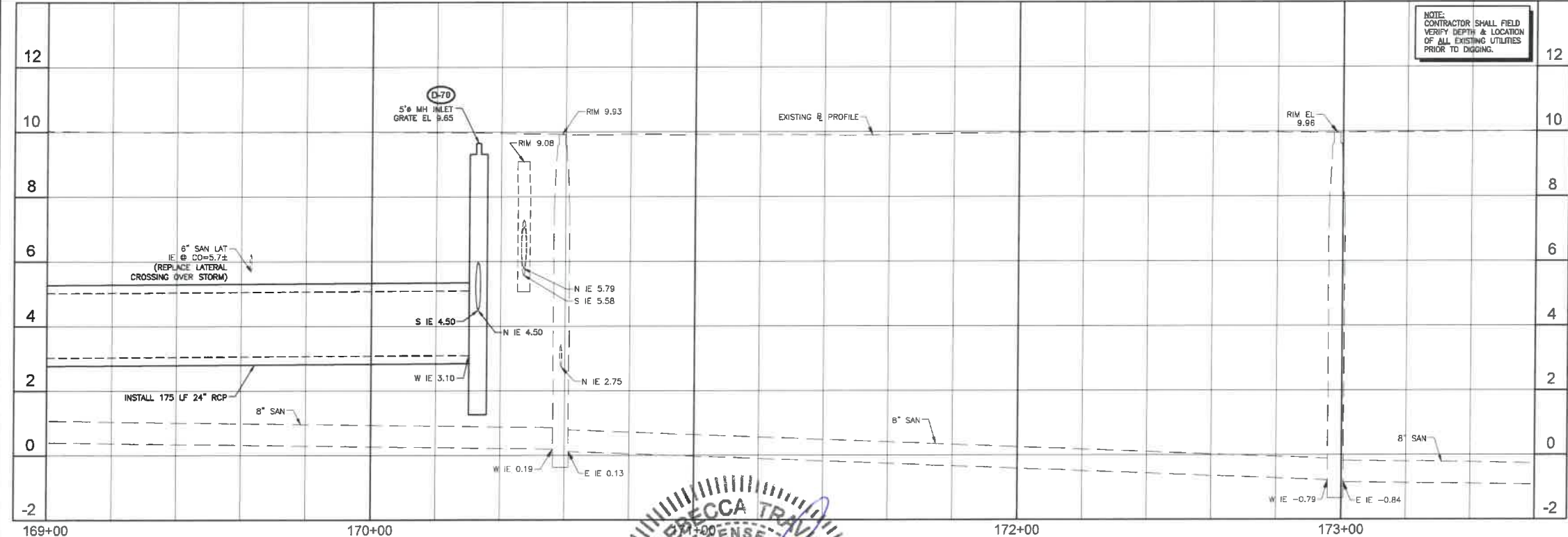
TH #68
1" (WRAPPED STEEL) GAS
COVER=2.10'±
T.O.P.=7.85±

* CONTRACTOR SHALL INSTALL NEW
TREE WITH BUBBLER. SEE DETAIL ON
DWG. D-10 FOR BUBBLER
INSTALLATION. CONTRACTOR SHALL
COORDINATE WITH CITY AND
HOMEOWNER FOR TREE SELECTION
AND LOCATION. TREES SHALL NOT
BE PLACED WITHIN 5 FEET OF ANY
CITY OWNED UTILITY INFRASTRUCTURE

CONFLICT
24" SIM CROSSES UNDER 6" SAN LAT
6" SAN LAT BOP EL. = 5.6±
24" SIM TOP EL. = 5.4±
CLEARANCE = 3 INCHES

- HORIZ. SCALE 1"=20'
- VERT. SCALE 1"=2'
- NOTES:
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UTILITY CROSSINGS, INCLUDING PARALLELING OF UTILITIES, PRIOR TO CONSTRUCTION OF PROPOSED DRAINAGE FACILITIES.
 - IRRIGATION SYSTEMS NOT SHOWN, BUT DO EXIST THROUGHOUT PROJECT AREA. CONTRACTOR SHALL REPAIR ALL DAMAGED IRRIGATION PIPES, HEADS AND CONTROL LINES IN KIND, SO THAT SYSTEM PROVIDES ORIGINAL COVERAGE. ZONES TO BE CAPED OFF AT CONSTRUCTION LINE. BALANCE OF IRRIGATION ZONES TO REMAIN ACTIVE AND MAINTAINED.
 - CONTRACTOR SHALL REFER TO DETAILS ON DRAWINGS D-1 THROUGH D-10 FOR STANDARD DETAIL CONSTRUCTION INFORMATION.
 - ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED IN KIND.
 - IN AREAS OF UNDERGROUND UTILITIES CONTRACTOR SHALL HAND-DIG AS NECESSARY TO AVOID DAMAGING EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED UTILITIES AS A RESULT OF CONSTRUCTION ACTIVITIES.
 - CONTRACTOR SHALL LOCATE & OBTAIN ELEVATIONS OF ALL EXISTING SANITARY SEWER LATERALS THAT CROSS THE PROPOSED UTILITY WORK. EXISTING SERVICE LATERALS DAMAGED BY CONTRACTOR, REPAIR USING FERRUCO COUPLING & PVC SD-18 PIPING (GREEN).
 - POTABLE WATER SERVICE LINES NOT SHOWN, BUT DO EXIST THROUGHOUT PROJECT AREA. CONTRACTOR SHALL LOCATE ALL WATER SERVICE LINES PRIOR TO DIGGING. CONTRACTOR SHALL REPAIR ANY WATER SERVICE LINES DAMAGED DURING CONSTRUCTION IMMEDIATELY. (NOTE: NOT A PAY ITEM)
 - CONTRACTOR SHALL COORDINATE WITH FPL FOR SERVICES TO TEMPORARILY SECURE/SHUT EXISTING POWER POLES WHICH ARE IN CLOSE PROXIMITY TO THE CONSTRUCTION TRENCH EXCAVATION. CONTRACTOR TO USE CAUTION WHEN WORKING UNDER OR AROUND OVERHEAD POWER LINES.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES IN THE PROJECT AREA AND SHALL ONLY INTERRUPT ACCESS TO EACH PROPERTY WITH PRIOR COORDINATION OF THE CITY AND PROPERTY OWNER.
 - CONTRACTOR SHALL KEEP THE EXISTING STORM SYSTEM CLEAR AND CLEAN OF ALL DEBRIS FROM THE CONSTRUCTION OF THIS PROJECT, AND PROVIDE EROSION PROTECTION MEASURES.
 - CONTRACTOR SHALL REPAIR ALL SEWER LATERALS IN CONFLICT WITH PROPOSED DRAINAGE PIPE.
 - GAS MAINS ARE LOCATED THROUGHOUT PROJECT AREA, THIS INCLUDES GAS SERVICES TO EACH BUILDING. CONTRACTOR SHALL COORDINATE WITH TEGCO GAS COMPANY FOR LOCATIONS OF ALL GAS MAINS AND SERVICES.
 - ALL TREE REMOVAL AND TREE PLANTING SHALL BE UNDER THE DIRECTION OF A REGISTERED BROWARD COUNTY TREE TRIMMER. PLANTING LOCATIONS FOR PROPOSED TREES SHALL BE COORDINATED WITH THE CITY OF POMPA BEACH BEACH DEPARTMENTS URBAN FORESTER.
 - SOD AND SWALE BOTH SIDES OF THE STREET AS INDICATED ON THE PLAN DRAWINGS. SOD AND SWALE WORK SHALL BE LIMITED TO THOSE AREAS WHERE EXISTING LANDSCAPING AND TREES WOULD NOT BE DAMAGED (I.E. SWALE AROUND LANDSCAPING, FIRE HYDRANT, ETC.).
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- LEGEND
- PROPOSED ROADWAY RECONSTRUCTION
 - PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
 - PROPOSED CONCRETE SIDEWALK RESTORATION
 - PROPOSED ASPHALT DRIVEWAY REPLACEMENT
 - PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
 - PROPOSED CONCRETE DRIVEWAY REPLACEMENT
 - PROPOSED SWALE REGRADING
 - OPEN CUT PAVEMENT REPAIR
 - PROPOSED DEMOLITION
 - PROPOSED FLOWABLE FILL
 - LINESTOP
 - BHP-1 BORE HOLE LOCATION
 - SPT-1 SOIL BORING LOCATION
 - TH #1 SOFT DIG LOCATION
 - 1 TREE NUMBER
 - 1 CONFLICT DATA
 - DIRECTION OF SURFACE FLOW
 - D-1 DRAINAGE STRUCTURE
 - 2.35 PROPOSED GRADE
- ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)



NO.	DATE	ISSUED FOR	APRVD BY
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
2	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.
4	5/08/18	CITY BUILDING DEPARTMENT RFI #4	M.R.T.
5	5/16/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #3	M.R.T.

DESIGNED: M.R.T.

DRAWN: J.A.J./K.C.

CHECKED: D.L.M./A.C.

APPROVED: D.L.M.

REBECCA TRAVIS, P.E.
No. 40988
JUNE 01 2018
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MATHEWS CONSULTING
BAXTER & WOODMAN company
Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
Phone: 561-655-6175 Fax: 561-655-6179
www.baxterwoodman.com EB-31795

VERIFY SCALE
1" = 1' (22x34) ORIGINAL DRAWING, ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800

CLIENT

PROJECT NO.:

CAD REF.: 1800P&P

CITY OF POMPA BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS

NW 10TH COURT
PLAN AND PROFILE - SHEET 32
STA 169+00 TO STA 173+60

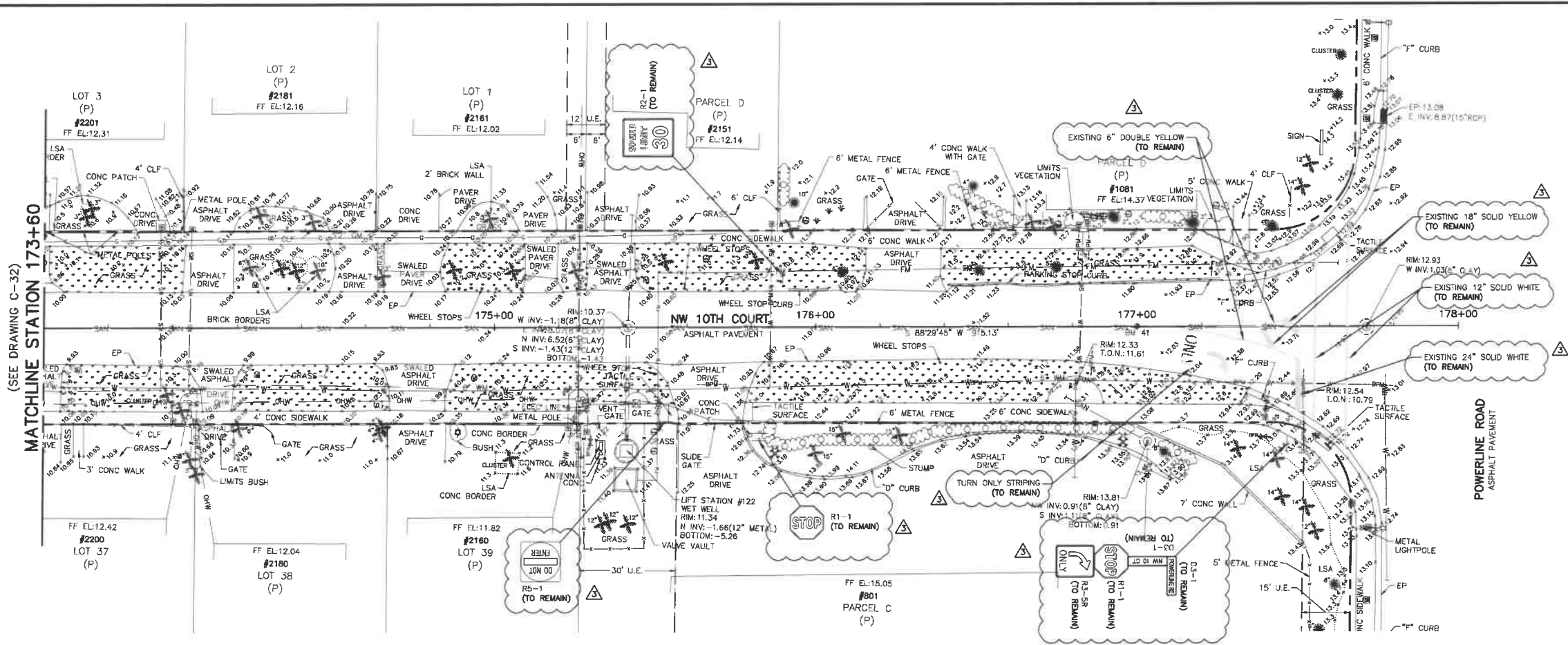
DATE: JUNE 2018

SHEET: 36 of 55

DRAWING: C-32

BID SET

Acad Version : 2018 (LMS Tech)
User Name : 75949
Date/Time : Fri, 01 Jun 2018 - 9:25am
Path : \\P:\Projects\2018\Esquire Lake Stormwater\1800P&P.dwg
Current Plot Style : B:\Cadd\CD\Working Folder\1800P&P.dwt
Plot Name : 1800P&P.dwg



HORIZ. SCALE 1"=20'
VERT. SCALE 1"=2'

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 - THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS ON OR ADJACENT TO PAVED BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVED BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, SLUNKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.

LEGEND

- PROPOSED ROADWAY RECONSTRUCTION
- PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
- PROPOSED CONCRETE SIDEWALK RESTORATION
- PROPOSED ASPHALT DRIVEWAY REPLACEMENT
- PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED SWALE REGRADING
- OPEN CUT PAVEMENT REPAIR
- PROPOSED DEMOLITION
- PROPOSED FLOWABLE FILL
- LINESTOP
- BHP-1 BORE HOLE LOCATION
- SPT-1 SOIL BORING LOCATION
- TH #1 SOFT DIG LOCATION
- TREE NUMBER
- CONFLICT DATA
- DIRECTION OF SURFACE FLOW
- D-1 DRAINAGE STRUCTURE
- STA. TYPE
- GRATE EL.
- PROPOSED GRADE

ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

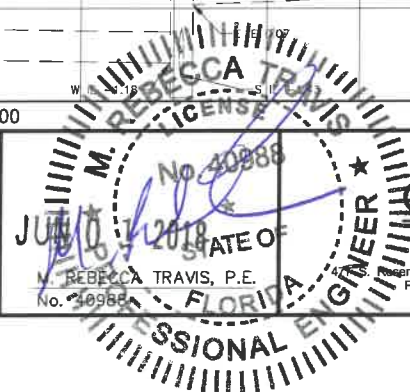
Always call this box full business days before you dig

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BID SET

NO.	DATE	ISSUED FOR	APRVD BY
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
2	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J./K.C.
CHECKED: D.L.M./A.C.
APPROVED: D.L.M.



MATHEWS CONSULTING
BAXTER & WOODMAN company
Regency Avenue, Suite 330, West Palm Beach, Florida 33401
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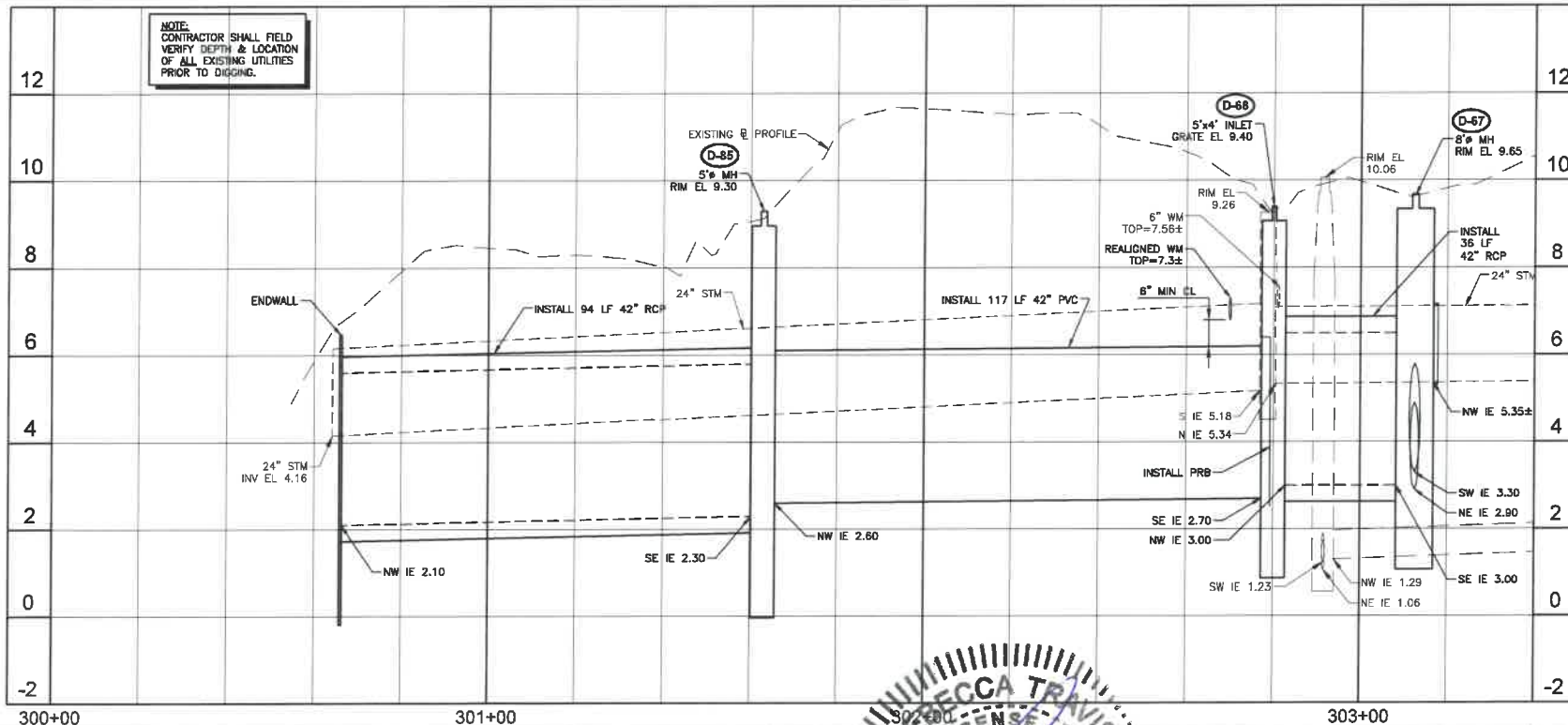
VERIFY SCALE
1" = 100'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPA BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 10TH COURT
PLAN AND PROFILE - SHEET 33
STA 173+60 TO STA 178+00

DATE: JUNE 2018
SHEET: 37 of 55
DRAWING: C-33

Acad Version : P2014 (LMS Tech)
User Name : 769461
Date/Time : Fri, 01 Jun 2018 9:26am
Current Plotstyle : ByColor
Layout Tab: C-34
Path Name : L:\WestPalmBeach\POWER\161800-ESQUIRE LAKE STORMWATER IMP\CD\Working Folder\1800P&P.dwg



NO.	DATE	ISSUED FOR	APPR'D BY	DESIGNED:	M.R.T.
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.		
2	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.		
3	5/08/18	CITY BUILDING DEPARTMENT RFI #4	M.R.T.		
CHECKED: D.L.M./A.C.				DRAWN: J.A.J./K.C.	
APPROVED: D.L.M.					

REBECCA TRAVIS
Professional Engineer
No. 40988
1 JUN 1 2018
M. REBECCA TRAVIS, P.E.
No. 40988

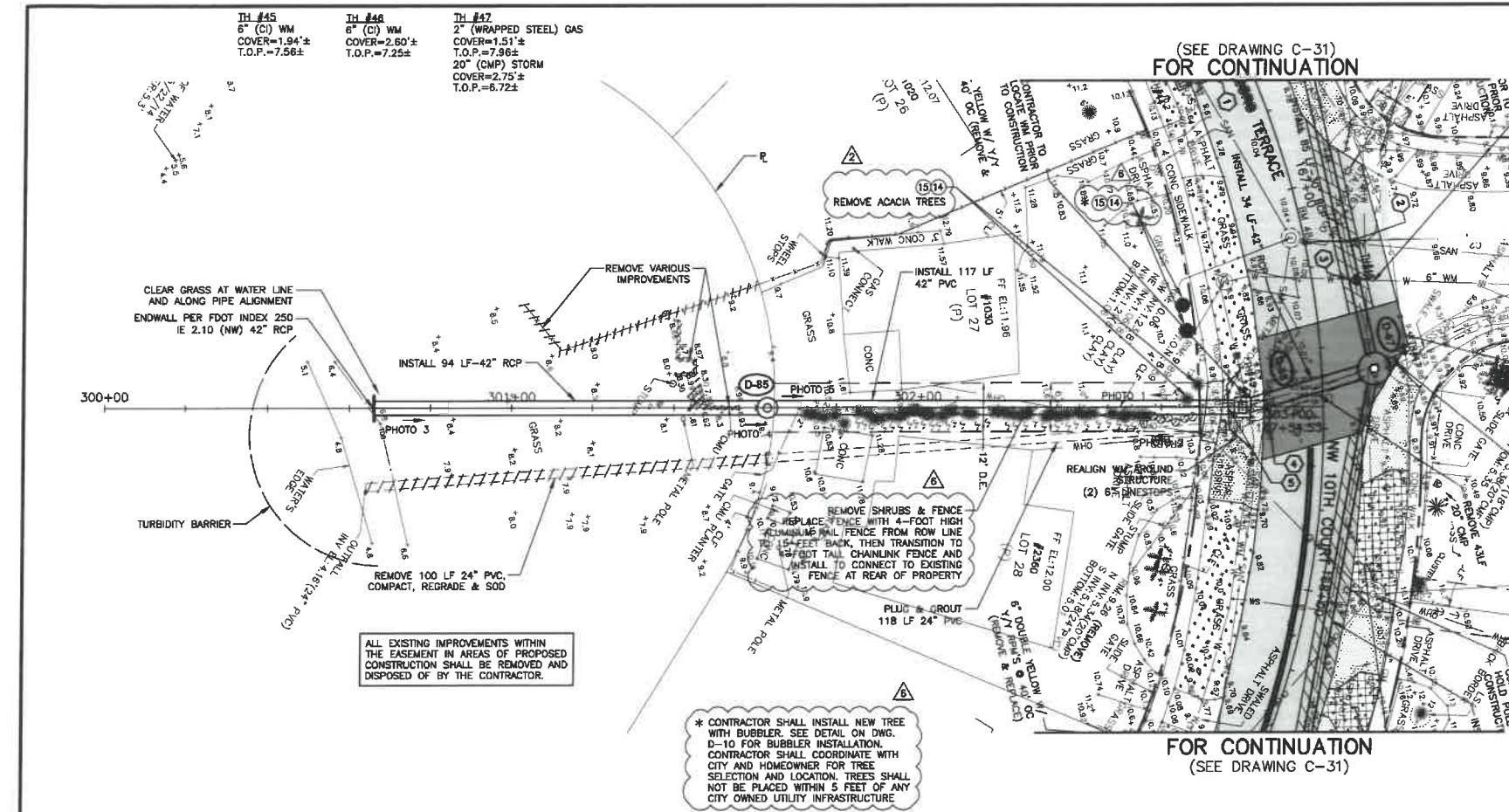
MATHEWS CONSULTING
a BAXTER & WOODMAN company
477 S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
Phone: 561-655-6175 • Fax: 561-655-6179
www.baxterwoodman.com EB-31795

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ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
OUTFALL #6
PLAN AND PROFILE - SHEET 34
STA 300+00 TO STA 303+00

DATE: JUNE 2018
SHEET: 38 of 55
DRAWING: C-34



D-67
STA 167+46, 13' LT
INSTALL:
8" DIA MH
RIM EL 9.68
IE 5.35± (NW) 20" CMP (CONNECT)
IE 2.90 (NE) 24" RCP
IE 3.30 (SW) 30" RCP
IE 3.00 (SE) 42" RCP

D-68
STA 187+54, 20' RT
INSTALL:
5"x4" INLET
GRATE EL 9.40
IE 3.00 (NW) 42" RCP
IE 2.70 (SE) 42" RCP
W/ PRB ON SE WALL
(SEE DETAIL DWG D-4)

D-85
STA 301+63, 0' RT
INSTALL:
5" MH
RIM EL 9.30
IE 2.60 (NW) 42" PVC
IE 2.30 (SE) 42" RCP

4 CONFLICT
42" STM CROSSES OVER 8" SAN
42" STM BOP EL = 2.6±
8" SAN TOP EL = 1.6±
CLEARANCE = 12 INCHES

5 CONFLICT
42" STM CROSSES UNDER 6" WM
6" WM BOP EL = 7.75±
42" STM TOP EL = 7.25±
CLEARANCE = 6 INCHES

HORIZ. SCALE 1"=20'

VERT. SCALE 1"=2'

NOTES

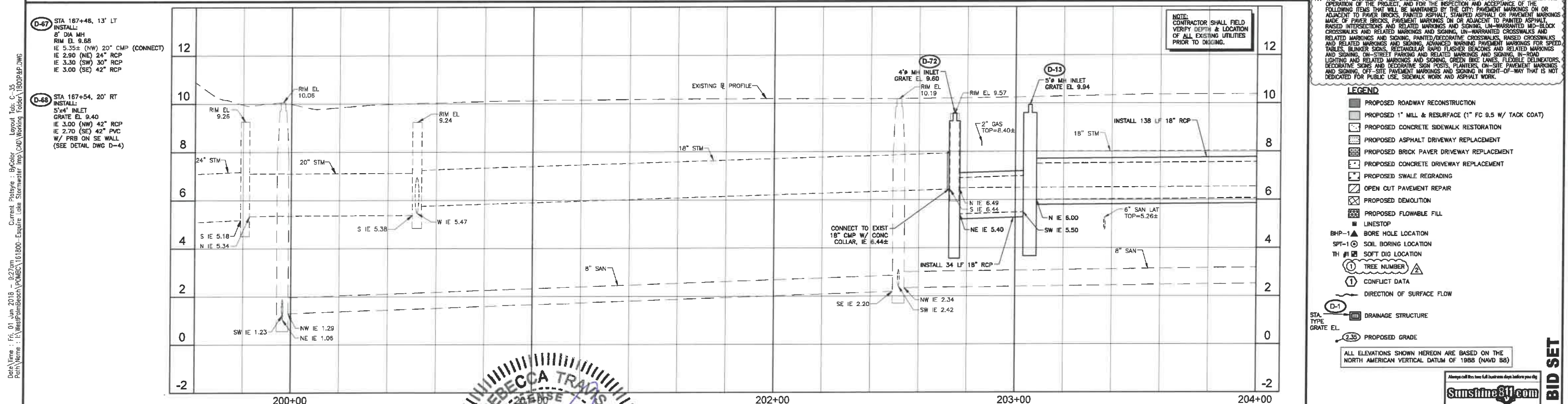
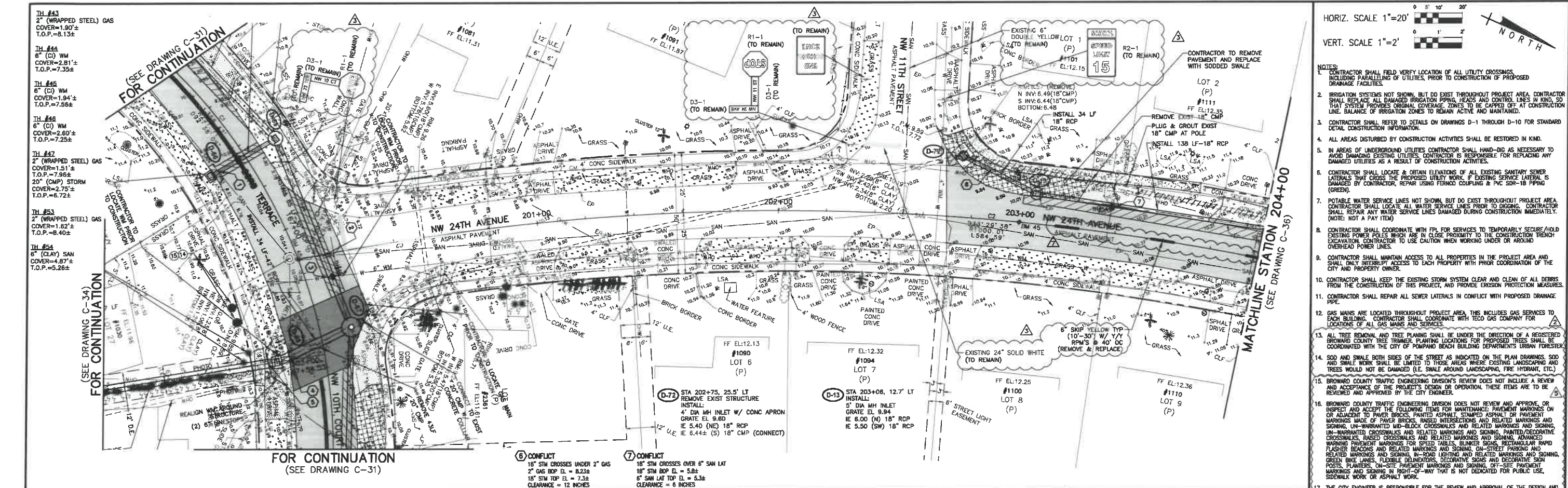
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LEGEND

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 - PROPOSED 1" MILL & RESURFACE (1" FC 9.5 W/ TACK COAT)
 - PROPOSED CONCRETE SIDEWALK RESTORATION
 - PROPOSED ASPHALT DRIVEWAY REPLACEMENT
 - PROPOSED BRICK PAVEMENT DRIVEWAY REPLACEMENT
 - PROPOSED CONCRETE DRIVEWAY REPLACEMENT
 - PROPOSED SWALE REGRADING
 - OPEN CUT PAVEMENT REPAIR
 - PROPOSED DEMOLITION
 - PROPOSED FLOWABLE FILL
 - LINESTOP
 - BHP-1 BORE HOLE LOCATION
 - SPT-1 SOIL BORING LOCATION
 - TH #1 SOFT DIG LOCATION
 - 1 TREE NUMBER
 - 1 CONFLICT DATA
 - DIRECTION OF SURFACE FLOW
 - D-1 DRAINAGE STRUCTURE
 - 2.35 PROPOSED GRADE
- ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

Simstime811.com

BID SET



NO.	DATE	ISSUED FOR	APRVD BY	DESIGNED:	M.R.T.	DRAWN:	J.A.J./K	CHECKED:	D.L.M./A.C	APPROVED:	D.L.M.
1	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.								
2	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.								
3	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.								
4	5/16/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #3	M.R.T.								

REBECCA TRAVIS
No. 40988
STATE OF FLORIDA
PROFESSIONAL ENGINEER

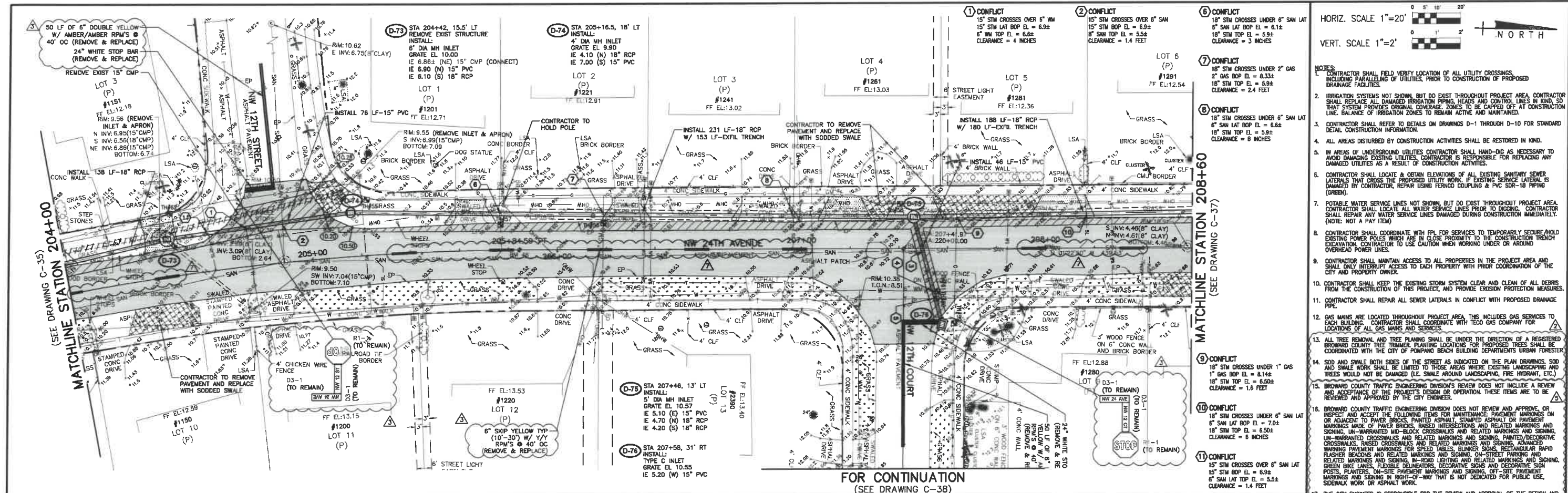
MATHEWS CONSULTING
a BAXTER & WOODMAN company
477 S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
Phone: 561-655-6176 • Fax: 561-655-6179
www.baxterwoodman.com EB-51795

VERIFY SCALE
1" = 100'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800P&P

CITY OF POMPAHO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
NW 24TH AVENUE
PLAN AND PROFILE - SHEET 35
STA 200+00 TO STA 204+00

DATE: JUNE 2018
SHEET: 39 of 55
DRAWING: C-35



NOTE: CONTRACTOR SHALL FIELD VERIFY DEPTH & LOCATION OF ALL EXISTING UTILITIES PRIOR TO DIGGING.

Manholes:

- D-73:** 6" MH INLET, GRATE EL. 10.00, RIM EL. 9.55
- D-74:** 4" MH INLET, GRATE EL. 9.90, RIM EL. 9.55
- D-75:** 5" MH INLET, GRATE EL. 10.57, RIM EL. 10.91

Stormwater Inlets:

- 18" STM (at D-73)
- 15" STM (between D-73 and D-74)

Pipes and Trenches:

- 18" RCP (between D-73 and D-74)
- 15" PVC (between D-73 and D-74)
- 76" LF 15" PVC (between D-73 and D-74)
- 231' LF 18" RCP w/ 153' LF EXFIL TRENCH (between D-74 and D-75)
- 189' LF 18" RCP w/ 180' LF EXFIL TRENCH (between D-75 and next manhole)
- 8" SAN (existing)
- 6" SAN LAT (existing)
- 2" GAS (existing)
- 1" GAS (existing)
- 6" SAN LAT (new, install trench envelope below)
- 8" SAN (new)

Elevations and Inverts:

- N IE 6.86±, S IE 6.56, S IE 6.10 (at D-73)
- N IE 6.90, E IE 6.86, N IE 6.95, 6" SAN LAT EST TOP=5.5, S IE 7.00 (between D-73 and D-74)
- N IE 6.99, S IE 4.10 (between D-74 and D-75)
- SE IE 2.64, W IE 2.59, N IE 3.09 (at D-74)
- S IE 4.20, N IE 4.70, E IE 5.10 (at D-75)
- S IE 4.46 (at next manhole)

Other Notes:

- PROVIDE FLOWABLE FILL BETWEEN STORM & WM AT CROSSING
- EXISTING Q PROFILE

NO.	DATE	ISSUED FOR	APRVD BY
2	3/13/18	CITY BUILDING DEPARTMENT RFI #2	M.R.T.
3	3/13/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #1	M.R.T.
4	4/17/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #2	M.R.T.
7	5/16/18	BROWARD COUNTY TRAFFIC ENGINEER RFI #3	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J./K
CHECKED: D.L.M./H
APPROVED: D.L.M.

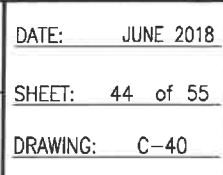
No. 40988
 JUN 01 2018
 STATE OF
 REBECCA TRAVIS, P.E.
 No. 40988

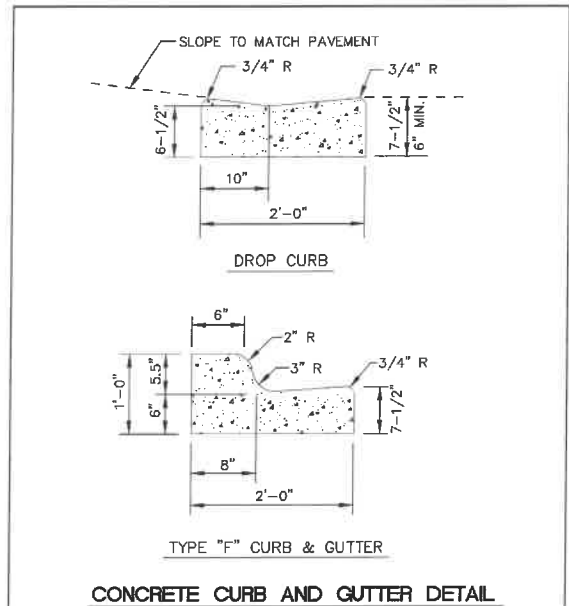
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Phone: 561-655-8175 • Fax: 561-655-8179
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1"
BAR IS ONE IN.
ON FULL SIZE
(22x34) ORIGINAL
DRAWING. ADJUST
SCALES AS
NECESSARY.

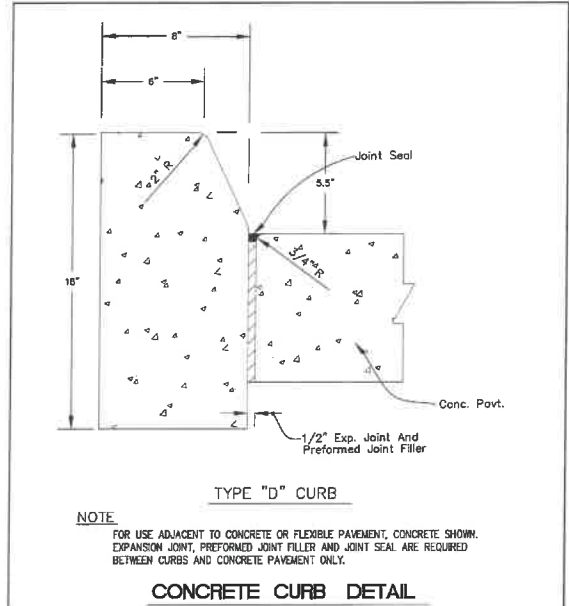
ENGINEER NO.:	1800
CLIENT	
PROJECT NO.:	_____
CAD REF.:	1800P&P

<p align="center">CITY OF POMPAÑO BEACH ESQUIRE LAKE NEIGHBORHOOD STORMWATER IMPROVEMENTS</p>	<p>DATE: JUNE 2018</p>
	<p>SHEET: 40 of 55</p>
<p align="center">NW 24TH AVENUE PLAN AND PROFILE – SHEET 36 STA 204+00 TO STA 208+60</p>	<p>DRAWING: C-36</p>

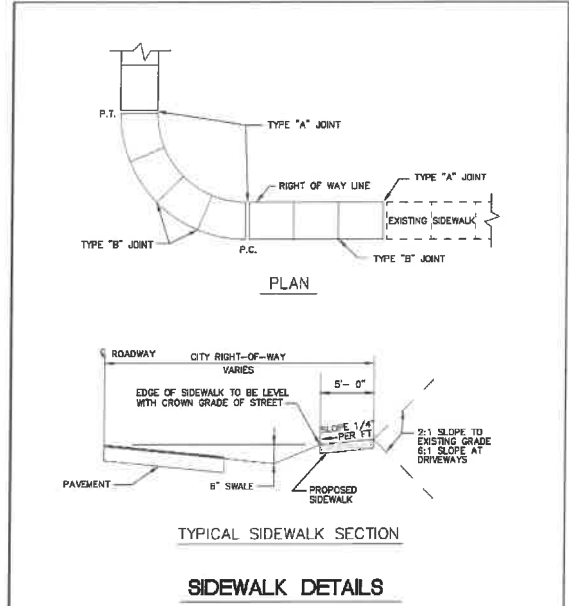




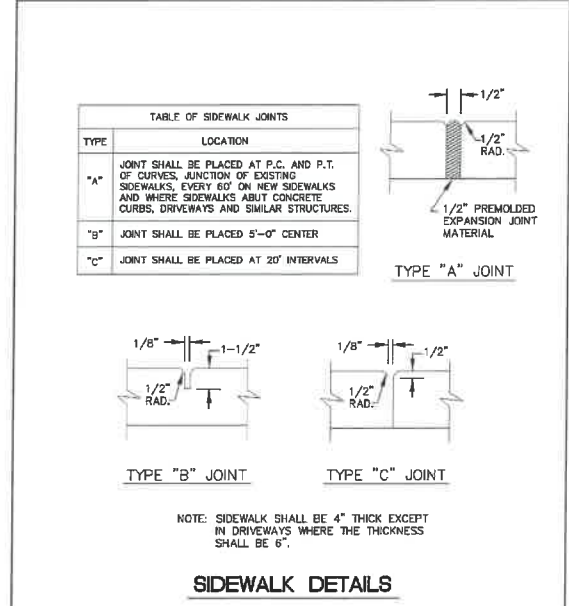
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	CONCRETE CURB AND GUTTER
S.S.	07-2018	CITY OF POMPAÑO BEACH	
		SCALE: N.T.S.	DATE: JUNE 1998 DWG. NO. 300-1



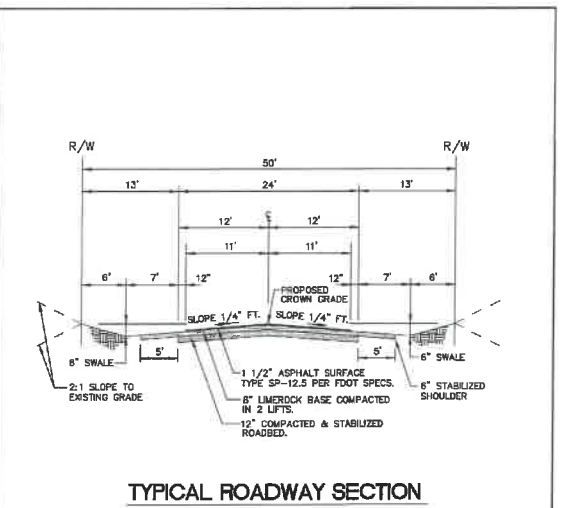
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	CONCRETE CURB
S.S.	01-2014	CITY OF POMPAÑO BEACH	
S.S.	08-2015		
S.S.	07-2018	SCALE: N.T.S.	DATE: January 2000 DWG. NO. 300-2



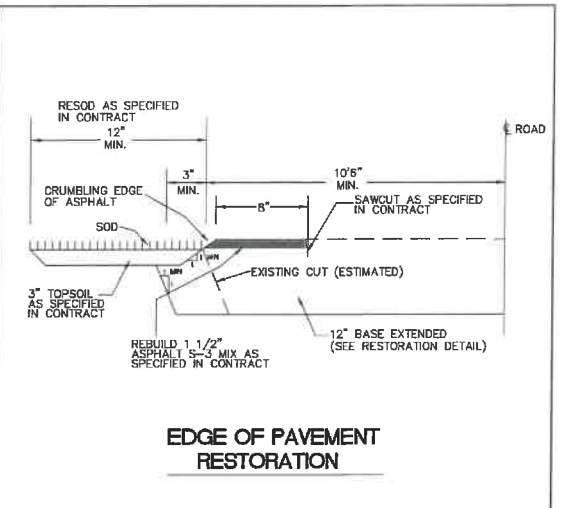
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	SIDEWALK DETAILS
S.S.		CITY OF POMPAÑO BEACH	
		SCALE: N.T.S.	DATE: JUNE 2005 DWG. NO. 301-1



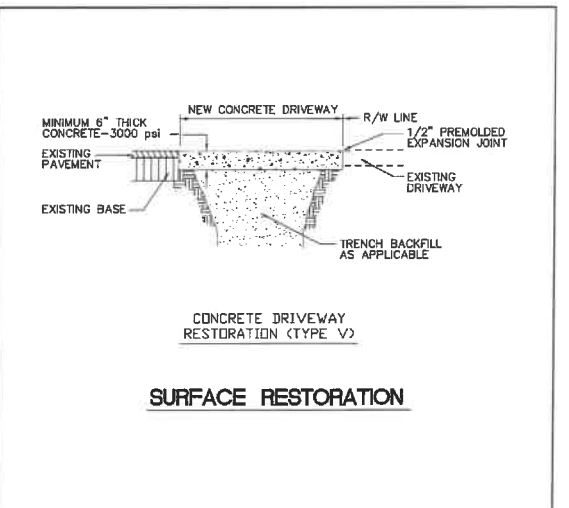
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	SIDEWALK DETAILS
S.S.		CITY OF POMPAÑO BEACH	
		SCALE: N.T.S.	DATE: JUNE 2005 DWG. NO. 301-2



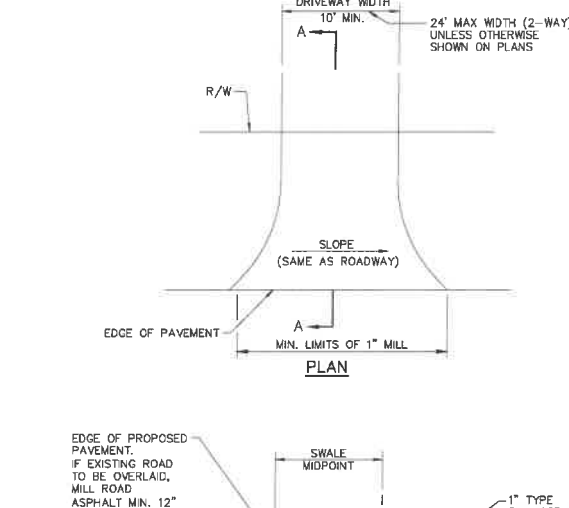
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	TYPICAL ROADWAY SECTION
S.S.	JUNE 2005	CITY OF POMPAÑO BEACH	
S.S.	MAY 2018		
		SCALE: N.T.S.	DATE: JUNE 1998 DWG. NO. 305-1



ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	EDGE OF PAVEMENT RESTORATION
S.S.		CITY OF POMPAÑO BEACH	
		SCALE: N.T.S.	DATE: FEB. 1998 DWG. NO. 306-4



ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	SURFACE RESTORATION
S.S.		CITY OF POMPAÑO BEACH	
		SCALE: N.T.S.	DATE: FEB. 1998 DWG. NO. 306-3



ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	
BY	DATE	ENGINEERING DIVISION	ASPHALT DRIVEWAY APRON DETAIL
S.S.		CITY OF POMPAÑO BEACH	
		SCALE: N.T.S.	DATE: FEB. 1998 DWG. NO. 306-3

Date/Time : Fri, 01 Jun 2018 - 9:30am
 Current Template : B/Cover
 Legend Path : D-1
 Path Name : \\WestPalmBeach\POMBE\61800- Esquire Lake Stormwater Imp\DWG\1800DETAILS.DWG

Acad Version : B201.1s (LWS Tech)
 User Name : 75946p

NO.	DATE	ISSUED FOR	APRVD BY	DESIGNED:
1	2/28/18	CITY BUILDING DEPARTMENT RFI #1	M.R.T.	M.R.T.
				DRAWN: J.A.J./K.C.
				CHECKED: D.L.M./A.C.
				APPROVED: D.L.M.

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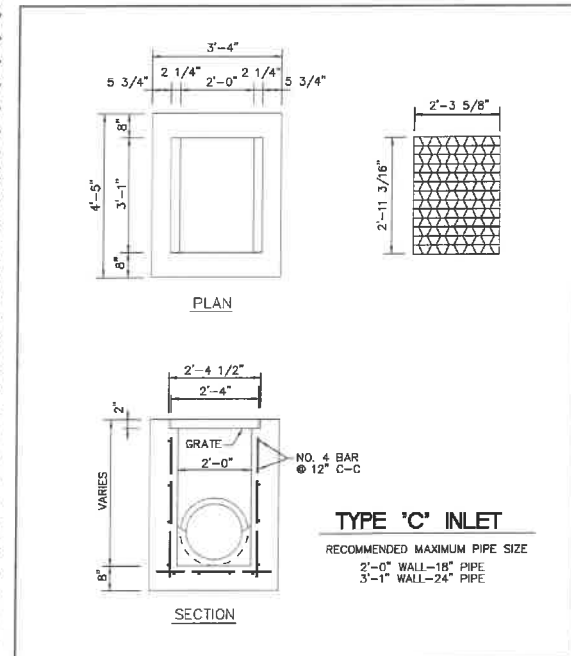
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VERIFY SCALE	ENGINEER NO.: 1800
1"	CLIENT
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.	PROJECT NO.:
	CAD REF.: 1800DETAILS

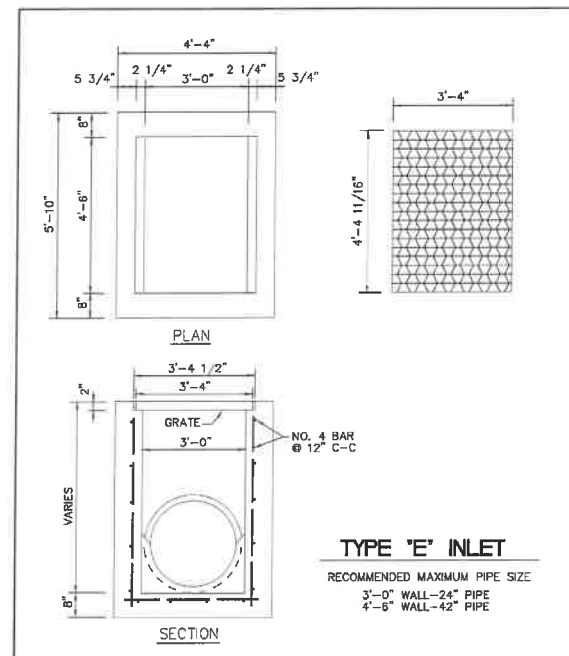
CITY OF POMPAÑO BEACH ESQUIRE LAKE NEIGHBORHOOD STORMWATER IMPROVEMENTS		DATE: JUNE 2018
STANDARD DETAILS - SHEET 1 OF 10		SHEET: 46 of 55
		DRAWING: D-1

BID SET

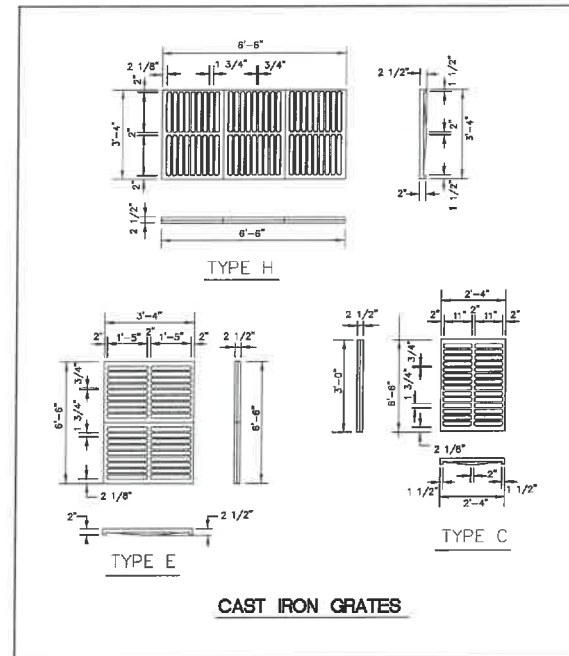
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User Name : 75965
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Layout Tab: D-3
Plot Name : L:\WestPalmBeach\POWER\61800-Esquire Lake Stormwater Improvements\BIDDDETAILS.DWG



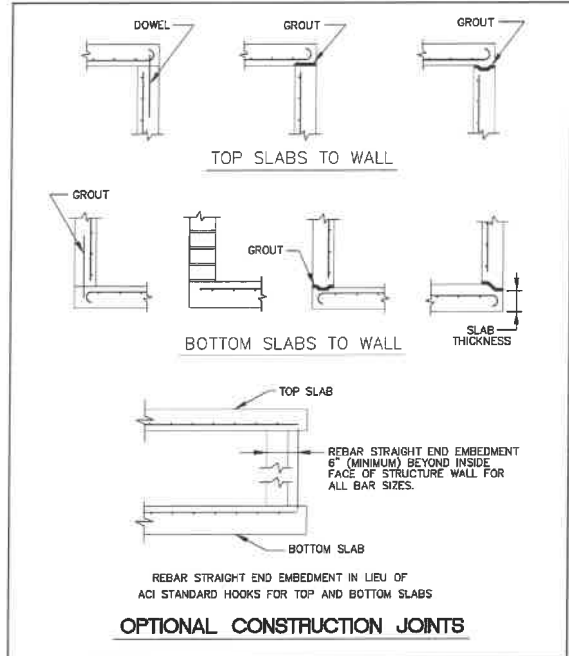
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JUNE 1996
BY DATE	ENGINEERING DIVISION	TYPE 'C' INLET	DWG. NO.
S.S. 09-11	CITY OF POMPAÑO BEACH		400-1
	SCALE: N.T.S.		



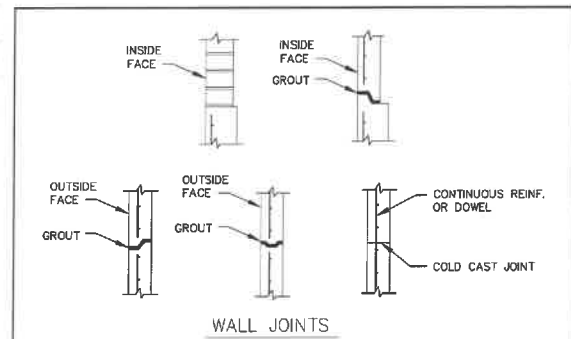
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JUNE 1996
BY DATE	ENGINEERING DIVISION	TYPE 'E' INLET	DWG. NO.
S.S. 09-11	CITY OF POMPAÑO BEACH		402-1
	SCALE: N.T.S.		



ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JUNE 1996
BY DATE	ENGINEERING DIVISION	CAST IRON GRATES	DWG. NO.
S.S. 09-11	CITY OF POMPAÑO BEACH		410-1
	SCALE: N.T.S.		

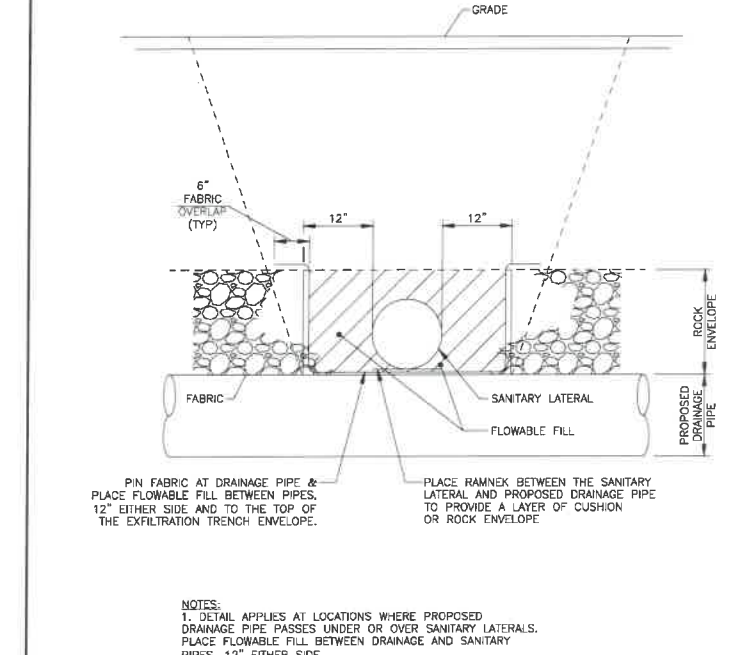
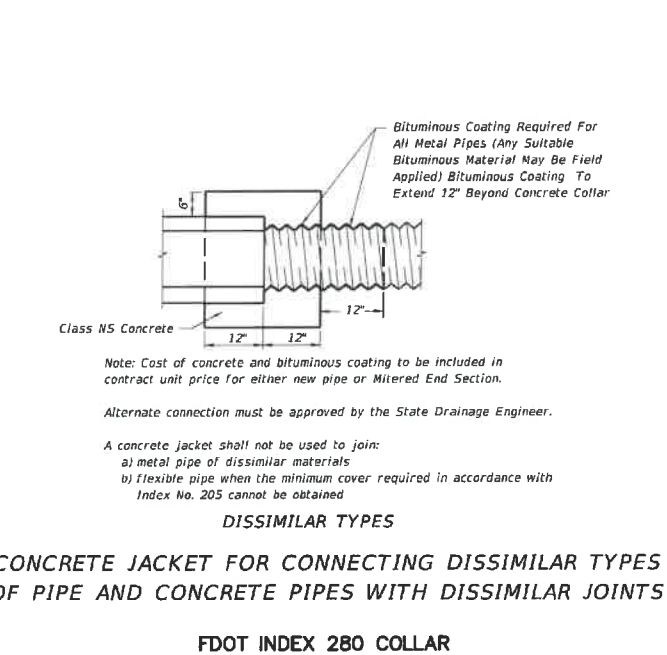


ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JUNE 1996
BY DATE	ENGINEERING DIVISION	OPTIONAL CONSTRUCTION JOINTS	DWG. NO.
S.S. 09-11	CITY OF POMPAÑO BEACH		412-1
	SCALE: N.T.S.		



- NOTES:**
- ONE OR MORE TYPES OF JOINTS MAY BE USED IN A SINGLE STRUCTURE, EXCEPT BRICK WALL STRUCTURE. BRICK WALL CONSTRUCTION IS PERMITTED ON CIRCULAR UNITS ONLY.
 - ALL GROUTED JOINTS ARE TO HAVE A MAXIMUM THICKNESS OF 1".
 - KEYWAYS ARE TO BE A MINIMUM OF 1 1/2" DEEP.
 - JOINT DOWELS ARE TO BE #4 BARS, 12" LONG WITH A MINIMUM OF 6 BARS PER CIRCULAR STRUCTURE APPROXIMATELY EVENLY SPACED, AND 2 BARS PER SIDE AT APPROXIMATE QUARTER POINTS FOR RECTANGULAR STRUCTURES.
 - MINIMUM COVER ON REINFORCING BARS IS 1 1/4".
 - REBAR STRAIGHT END EMBARKMENT MAY BE USED IN LIEU OF ACI STANDARD HOOKS FOR TOP AND BOTTOM SLABS EXCEPT WHEN HOOKS ARE SPECIFICALLY CALLED FOR IN PLANS OR STANDARD DRAWINGS.
 - JOINTS BETWEEN WALL SEGMENTS AND BETWEEN WALL SEGMENTS AND TOP OR BOTTOM SLABS MAY BE SEALED EITHER BY PREFORMED PLASTIC GASKET MATERIAL OR BY GROUT.
 - APPROVED PRODUCT INSERTS MAY BE USED IN LIEU OF DOWEL EMBEDMENT.

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JUNE 1996
BY DATE	ENGINEERING DIVISION	OPTIONAL CONSTRUCTION JOINT	DWG. NO.
S.S. 09-11	CITY OF POMPAÑO BEACH		412-2
	SCALE: N.T.S.		



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VERIFY SCALE
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ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800DETAILS

CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS

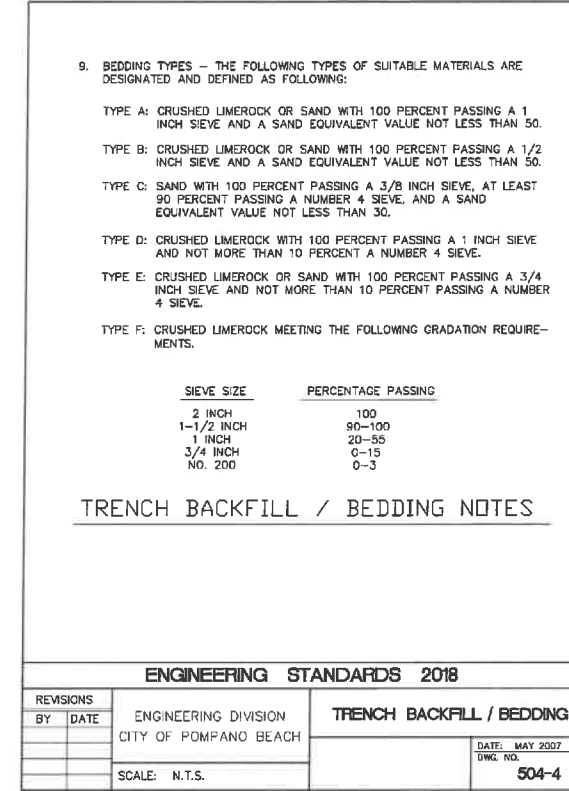
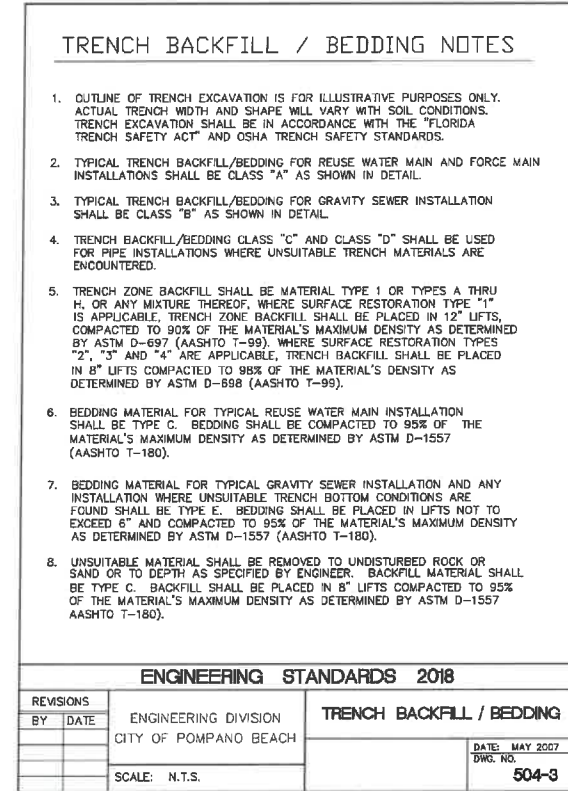
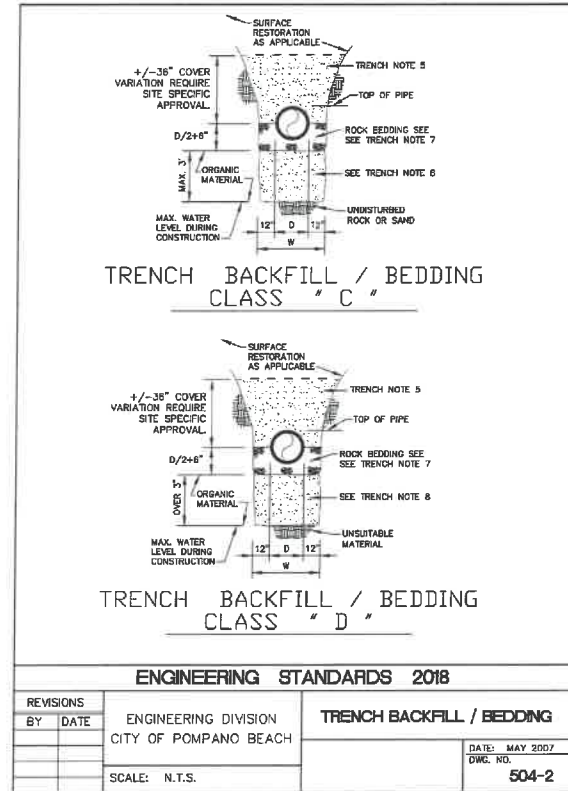
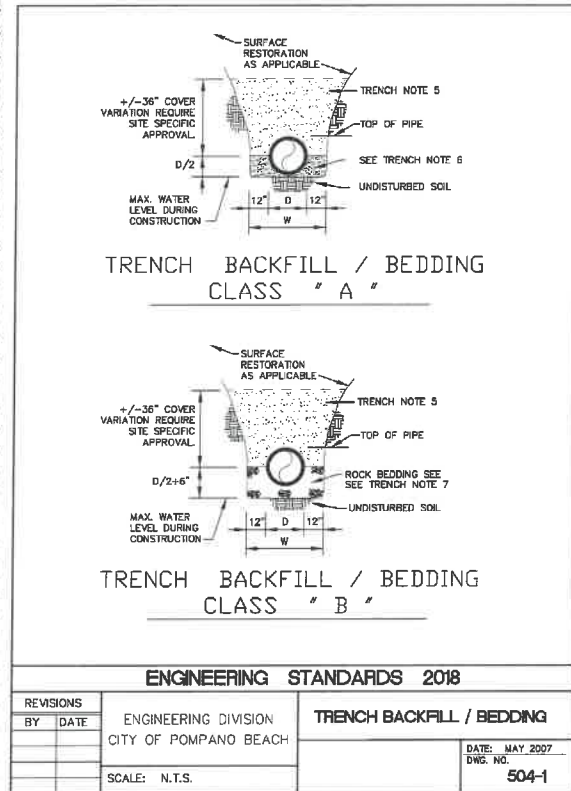
STANDARD DETAILS - SHEET 3 OF 10

DATE: JUNE 2018
SHEET: 48 of 55
DRAWING: D-3

BID SET

Drawn: J. J. K. / 01-Jun-2018 15:20:00
Current: J. J. K. / 01-Jun-2018 15:20:00
Path: \\P:\Projects\161800-ESQUIRE LAKE STORMWATER IMP\DWG\16000E-ALLS.DWG

Acad Version: R20.1s (LMS Tech)
User Name: J. J. K.



TRENCH BACKFILL / BEDDING NOTES

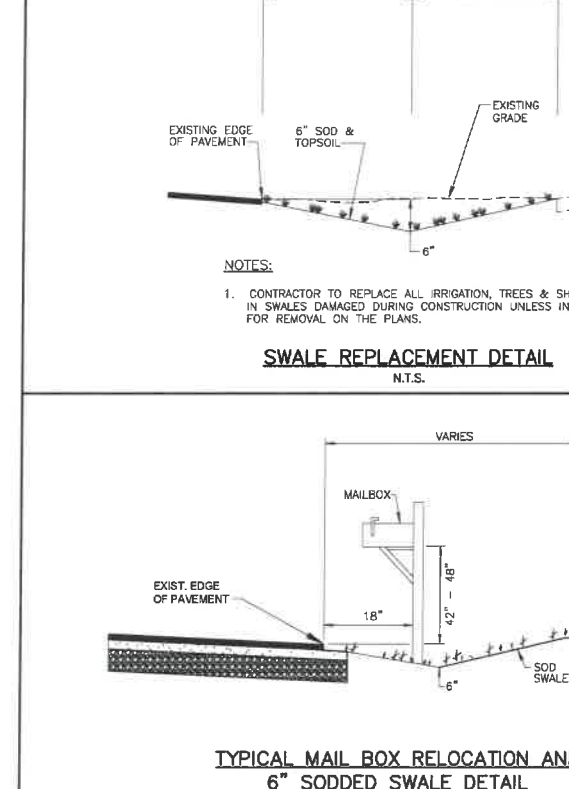
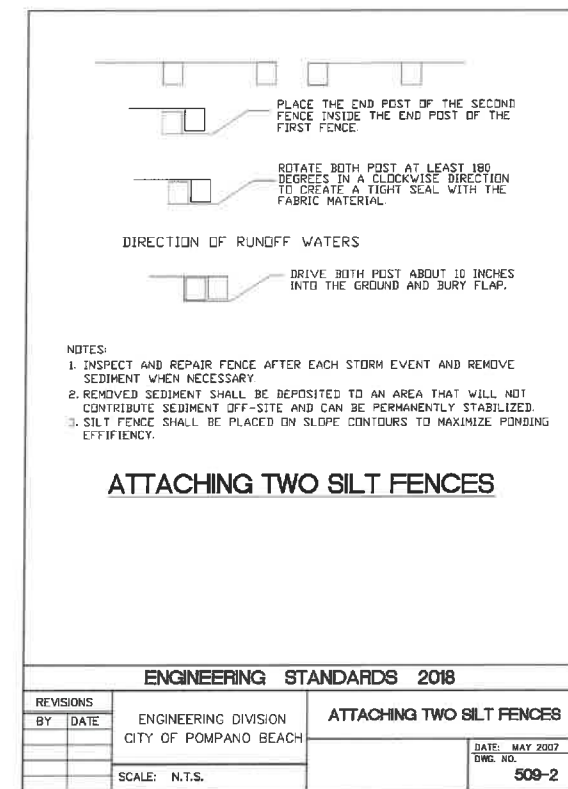
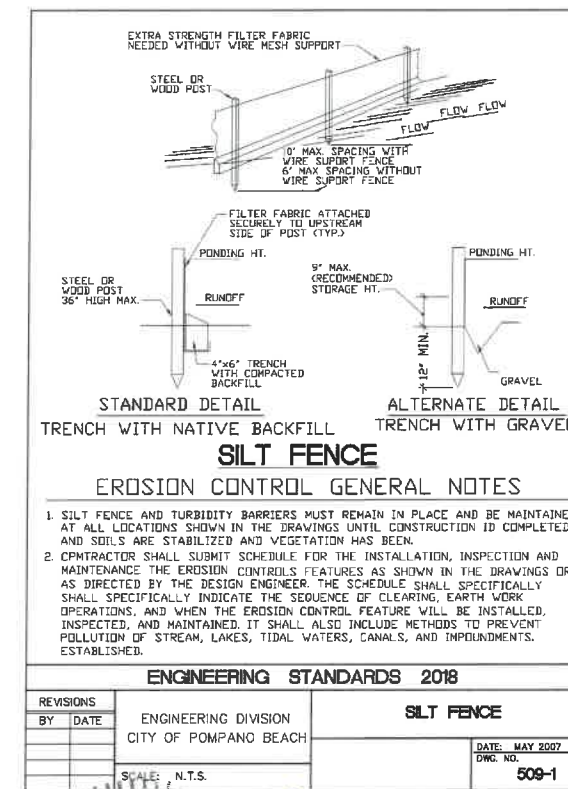
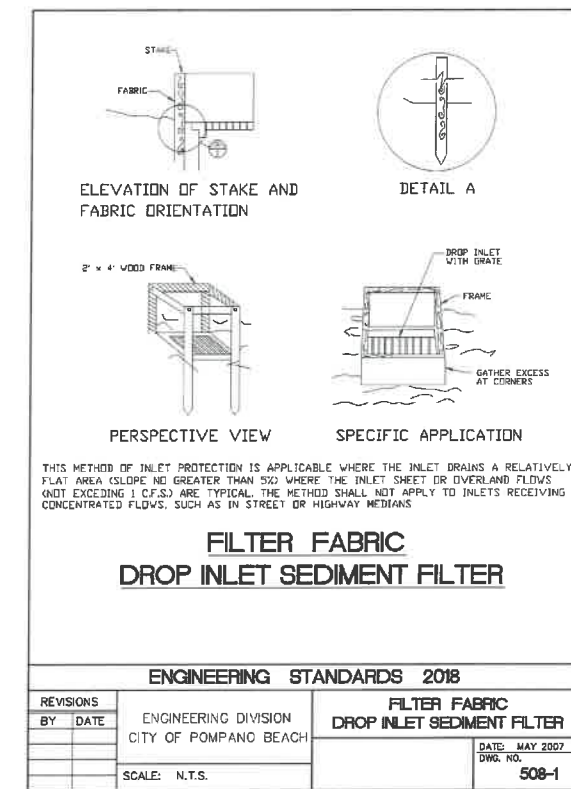
1. OUTLINE OF TRENCH EXCAVATION IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL TRENCH WIDTH AND SHAPE WILL VARY WITH SOIL CONDITIONS. TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH THE "FLORIDA TRENCH SAFETY ACT" AND OSHA TRENCH SAFETY STANDARDS.
2. TYPICAL TRENCH BACKFILL/BEDDING FOR REUSE WATER MAIN AND FORCE MAIN INSTALLATIONS SHALL BE CLASS "A" AS SHOWN IN DETAIL.
3. TYPICAL TRENCH BACKFILL/BEDDING FOR GRAVITY SEWER INSTALLATION SHALL BE CLASS "B" AS SHOWN IN DETAIL.
4. TRENCH BACKFILL/BEDDING CLASS "C" AND CLASS "D" SHALL BE USED FOR PIPE INSTALLATIONS WHERE UNSUITABLE TRENCH MATERIALS ARE ENCOUNTERED.
5. TRENCH ZONE BACKFILL SHALL BE MATERIAL TYPE 1 OR TYPES A THRU H, OR ANY MIXTURE THEREOF, WHERE SURFACE RESTORATION TYPE "1" IS APPLICABLE. TRENCH ZONE BACKFILL SHALL BE PLACED IN 12" LIFTS, COMPACTED TO 90% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-697 (AASHTO T-99). WHERE SURFACE RESTORATION TYPES "2", "3" AND "4" ARE APPLICABLE, TRENCH BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 98% OF THE MATERIAL'S DENSITY AS DETERMINED BY ASTM D-698 (AASHTO T-99).
6. BEDDING MATERIAL FOR TYPICAL REUSE WATER MAIN INSTALLATION SHALL BE TYPE C. BEDDING SHALL BE COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
7. BEDDING MATERIAL FOR TYPICAL GRAVITY SEWER INSTALLATION AND ANY INSTALLATION WHERE UNSUITABLE TRENCH BOTTOM CONDITIONS ARE FOUND SHALL BE TYPE E. BEDDING SHALL BE PLACED IN LIFTS NOT TO EXCEED 6" AND COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
8. UNSUITABLE MATERIAL SHALL BE REMOVED TO UNDISTURBED ROCK OR SAND OR TO DEPTH AS SPECIFIED BY ENGINEER. BACKFILL MATERIAL SHALL BE TYPE C. BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).

9. BEDDING TYPES - THE FOLLOWING TYPES OF SUITABLE MATERIALS ARE DESIGNATED AND DEFINED AS FOLLOWING:

- TYPE A: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 1 INCH SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 50.
- TYPE B: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 1/2 INCH SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 50.
- TYPE C: SAND WITH 100 PERCENT PASSING A 3/8 INCH SIEVE, AT LEAST 90 PERCENT PASSING A NUMBER 4 SIEVE, AND A SAND EQUIVALENT VALUE NOT LESS THAN 30.
- TYPE D: CRUSHED LIMEROCK WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NOT MORE THAN 10 PERCENT A NUMBER 4 SIEVE.
- TYPE E: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 3/4 INCH SIEVE AND NOT MORE THAN 10 PERCENT PASSING A NUMBER 4 SIEVE.
- TYPE F: CRUSHED LIMEROCK MEETING THE FOLLOWING GRADATION REQUIREMENTS.

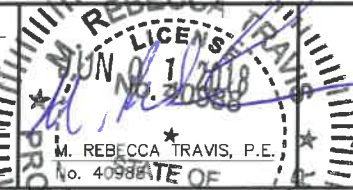
SIEVE SIZE	PERCENTAGE PASSING
2 INCH	100
1-1/2 INCH	90-100
1 INCH	20-55
3/4 INCH	0-15
NO. 200	0-3

TRENCH BACKFILL / BEDDING NOTES



NO.	DATE	ISSUED FOR	APRVD BY
1	2/28/18	CITY BUILDING DEPARTMENT RFI #1	M.R.T.

DESIGNED: M.R.T.
DRAWN: J.A.J./K.G.
CHECKED: D.L.M./A.K.
APPROVED: D.L.M.



MATHEWS CONSULTING
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Phone: 561-655-6175 • Fax: 561-655-6179
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VERIFY SCALE
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BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

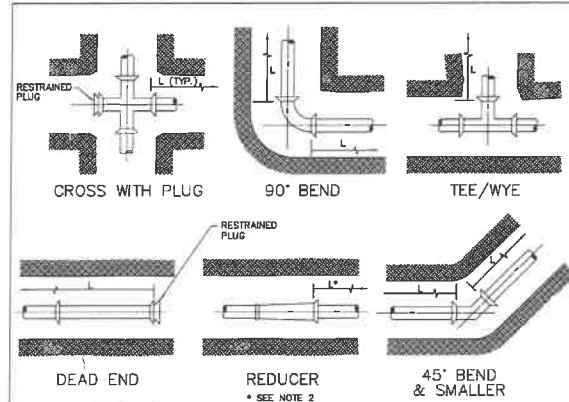
ENGINEER NO.: 1800
CLIENT
PROJECT NO.:
CAD REF.: 1800DETAILS

CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
STANDARD DETAILS - SHEET 6 OF 10

DATE: JUNE 2018
SHEET: 51 of 55
DRAWING: D-6

BID SET

BID SET



- GENERAL NOTES:**
- VALUES IN TABLE ARE BASED ON 3' OF COVER, 100 PSI INTERNAL PRESSURE, FOR FORCE MAINS, 150 PSI REUSE WATER LINES, ANS/AWWA C905 & C150/A21.50 LAYING CONDITION 3, ASTM D2487 SAND-SILT SOIL TYPE, AND SAFETY FACTOR OF 2.0. RESTRAINED LENGTHS WERE COMPUTED PER DIPRA "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AND "PVC PIPE THRUST RESTRAINT DESIGN HANDBOOK," EBAA IRON, INC.
 - CONFIRM THE EXACT LENGTH OF RESTRAINING REQUIRED FOR REDUCERS, PIPE ENCASED IN POLYETHYLENE AND ENCRANCHING RESTRAINED LENGTHS WITH THE DESIGN ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION OF THE RESTRAINED JOINTS TO PREVENT MOVEMENT OF THE PIPE & FITTINGS.
 - IN THE EVENT OF A CONFLICT BETWEEN RESTRAINED LENGTHS SHOWN ON THE TABLE AND RESTRAINED LENGTHS SHOWN ON THE DRAWINGS, THE LONGEST RESTRAINED LENGTH SHALL BE USED.

RESTRAINED JOINT INFORMATION

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: DECEMBER 2010 DWG. NO.
			118-1
ENGINEERING DIVISION		RESTRAINED JOINT INFORMATION	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	

PVC HORIZONTAL BENDS AND VERTICAL UP BENDS					
PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING - EACH WAY)	BENDS	CROSS WITH PLUG	45° BEND	90° BEND
6	26	11	6	3	53
8	33	14	7	4	68
12	46	19	10	5	96

PVC VERTICAL DOWN BEND					
PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING - EACH WAY)	BENDS	CROSS WITH PLUG	45° BEND	90° BEND
6	26	11	6	3	53
8	33	14	7	4	68
12	46	19	10	5	96

DIP HORIZONTAL BENDS AND VERTICAL UP BENDS					
PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING - EACH WAY)	BENDS	CROSS WITH PLUG	45° BEND	90° BEND
6	26	11	6	3	53
8	33	14	7	4	68
12	46	19	10	5	96

DIP VERTICAL DOWN BEND					
PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING - EACH WAY)	BENDS	CROSS WITH PLUG	45° BEND	90° BEND
6	26	11	6	3	53
8	33	14	7	4	68
12	46	19	10	5	96

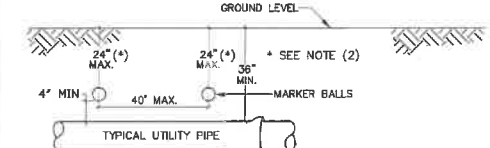
RESTRAINED JOINT INFORMATION

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: DECEMBER 2010 DWG. NO.
			118-2
ENGINEERING DIVISION		RESTRAINED JOINT INFORMATION	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	

MIN. LENGTH OF PIPE (FEET) TO BE RESTRAINED											
(SOURCE: EBAA IRON RESTRAINT LENGTH CALCULATION PROGRAM FOR PVC PIPE, RELEASE 3.1, AND DIPRA THRUST RESTRAINT FOR DUCTILE IRON PIPE, RELEASE 3.2)											
FITTING TYPE	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
90° HORIZ. BEND	14	20	25	30	35	40	45	50	55	60	70
45° HORIZ. BEND	8	11	13	15	17	19	21	23	25	28	33
22.5° HORIZ. BEND	3	4	5	6	7	8	9	10	11	12	14
11.25° HORIZ. BEND	1	2	3	3	4	4	5	5	6	7	8
90° VERT. OFFSET	28	41	53	64	74	85	95	105	115	124	144
45° VERT. OFFSET	12	19	24	29	34	39	43	48	53	58	68
22.5° VERT. OFFSET	5	8	10	12	14	16	18	20	22	25	29
11.25° VERT. OFFSET	2	3	4	4	5	5	6	6	7	8	9
FLUSH (HEAD END)	53	48	39	32	25	19	13	10	7	5	3
IN-LINE VALVE	32	45	45	45	45	45	45	45	45	45	45
4" x 8"	23	-	-	-	-	-	-	-	-	-	-
6" x 8"	31	38	-	-	-	-	-	-	-	-	-
8" x 8"	38	47	56	-	-	-	-	-	-	-	-
10" x 8"	45	56	67	77	-	-	-	-	-	-	-
12" x 8"	52	64	77	89	100	-	-	-	-	-	-
14" x 8"	59	72	86	100	114	128	-	-	-	-	-
16" x 8"	66	80	95	110	126	142	157	-	-	-	-
18" x 8"	73	88	104	120	137	154	171	188	-	-	-
20" x 8"	80	96	113	130	148	166	184	202	220	-	-
22" x 8"	87	104	122	140	159	178	197	216	235	254	-
24" x 8"	94	112	131	150	170	190	210	230	250	270	290
26" x 8"	101	120	140	160	180	200	220	240	260	280	300
28" x 8"	108	128	148	168	188	208	228	248	268	288	308
30" x 8"	115	136	156	176	196	216	236	256	276	296	316
32" x 8"	122	144	164	184	204	224	244	264	284	304	324
34" x 8"	129	152	172	192	212	232	252	272	292	312	332
36" x 8"	136	160	180	200	220	240	260	280	300	320	340
38" x 8"	143	168	188	208	228	248	268	288	308	328	348
40" x 8"	150	176	196	216	236	256	276	296	316	336	356
42" x 8"	157	184	204	224	244	264	284	304	324	344	364
44" x 8"	164	192	212	232	252	272	292	312	332	352	372
46" x 8"	171	200	220	240	260	280	300	320	340	360	380
48" x 8"	178	208	228	248	268	288	308	328	348	368	388
50" x 8"	185	216	236	256	276	296	316	336	356	376	396

- NOTES:**
- THE DATA IN THE ABOVE TABLE ARE BASED UPON THE FOLLOWING INSTALLATION CONDITIONS:
SOIL TYPE-SAND 150 PSI/2000 PSI DEPTH OF BURIAL-3' HORIZONTAL OFFSET-3'
 - THE RESTRAINED PIPE LENGTHS APPLY TO DUCTILE IRON AND PVC PIPE.
 - ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.
 - RESTRAINED PIPE LENGTHS APPLY TO PIPE ON BOTH SIDES OF VALVES AND FITTINGS.

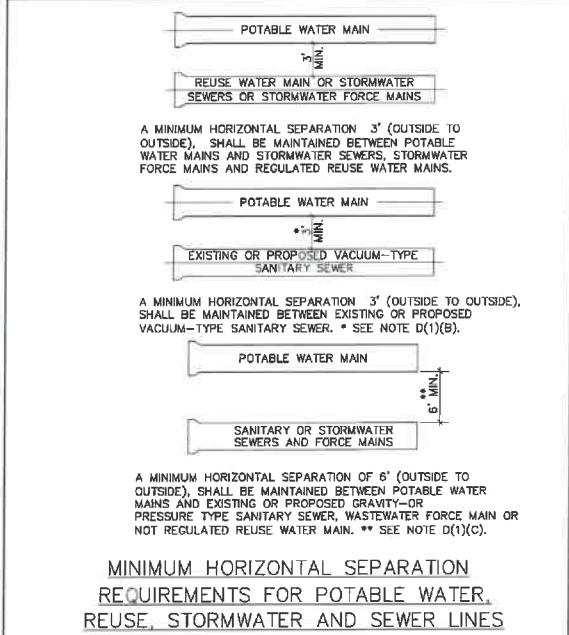
ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: FEBRUARY 2009 DWG. NO.
			118-3
ENGINEERING DIVISION		RESTRAINED JOINT INFORMATION	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	



- GENERAL NOTES:**
- ALL UTILITY PIPE SHALL BE INSTALLED WITH 4"Ø MARKING BALLS PLACED EVERY 40' AND AT EVERY FITTING, FOR IDENTIFICATION AND WARNING PURPOSES, BURIED ABOVE THE PIPE AT A MAXIMUM DEPTH OF 24" INCHES OR AS APPROVED BY THE OWNER. IT SHALL BE COLOR CODED AND WORDED AS FOLLOWS:
POTABLE WATER.
A. COLOR: BLUE PER 62-555.320(2)(b)(3) F.A.C.
B. LETTERING: WATER
C. FREQUENCY OF MARKER BALLS SHALL BE 145.7 Khz.
D. THE MARKER BALLS CAN BE BURIED IN ANY ORIENTATION.
 - FOR LARGE DIAMETER PIPE INSTALLED AT DEPTHS BELOW 4'-0" MARKER BALLS SHALL BE PLACED AT A MAXIMUM DEPTH OF 4'-0" BELOW GRADE.

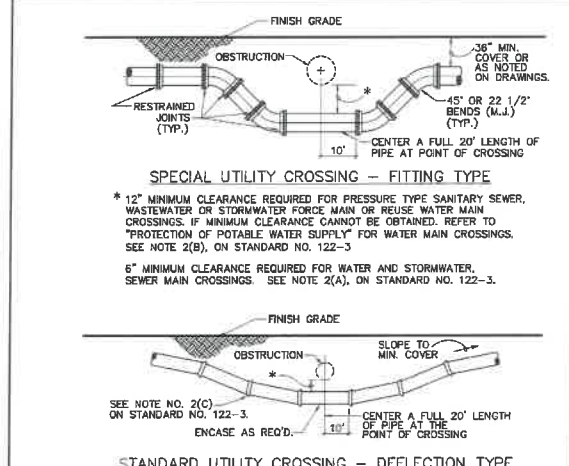
WATER PIPE IDENTIFICATION

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JAN. 2012 DWG. NO.
			119-1
ENGINEERING DIVISION		WATER PIPE IDENTIFICATION	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	



MINIMUM HORIZONTAL SEPARATION REQUIREMENTS FOR POTABLE WATER, REUSE, STORMWATER AND SEWER LINES

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JAN. 2012 DWG. NO.
			121-1
ENGINEERING DIVISION		MIN. HORIZONTAL SEPARATION FOR POTABLE WATER	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	



- NOTES:**
- THE DEFLECTION TYPE CROSSING SHALL BE USED WHEREVER POSSIBLE. ONLY UNDER SPECIFIC ORDERS BY THE ENGINEER SHALL THE FITTING TYPE CROSSING BE ALLOWED.
 - CONSTRUCT STANDARD CROSSING USING NO MORE THAN 75% OF MANUFACTURERS' MAXIMUM JOINT DEFLECTION.
 - FOR POTABLE WATER MAINS, REFER TO "PROTECTION OF POTABLE WATER SUPPLY".

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JAN. 2012 DWG. NO.
			122-1
ENGINEERING DIVISION		UTILITY CROSSINGS	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	

- PROTECTION OF POTABLE WATER SUPPLY NOTES**
- GENERAL**
IN ADDITION TO THESE REQUIREMENTS, ALL POTABLE WATER MAINS CONSTRUCTED IN THE VICINITY OF STORM SEWERS, SANITARY SEWERS OR FORCE MAINS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF FLORIDA ADMINISTRATIVE CODE CHAPTER 62-555, GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD OF STATE SANITARY ENGINEERS (GLUMRB) "RECOMMENDED STANDARDS FOR WATER WORKS," AND GLUMRB "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES".
 - DEFINITIONS**
FOR THE PURPOSES OF THIS SPECIFICATION, THE WORDS "OTHER PIPE" OR "OTHER PIPES" SHALL MEAN SANITARY SEWER MAIN, SEWAGE FORCE MAIN, STORMWATER MAIN OR ANY COMBINATION THEREOF.
 - CROSS CONNECTIONS PROHIBITED**
THERE SHALL BE NO PHYSICAL CONNECTIONS BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND ANY OTHER PIPE OR APPURTENANCE THEREOF WHICH WOULD PERMIT THE PASSAGE OF ANY WASTEWATER, POLLUTED WATER, OR ANY OTHER WATER INTO THE POTABLE SUPPLY. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE OR STORMWATER MANHOLE.
 - RELATION OF OTHER PIPES TO POTABLE WATER MAINS**
 - HORIZONTAL SEPARATION**
A. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM WATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS** SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS** SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JAN. 2012 DWG. NO.
			122-2
ENGINEERING DIVISION		POTABLE WATER SUPPLY NOTES	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	

- NEW OR RELOCATED, UNDERGROUND WATER MAINS** SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM".
- VERTICAL SEPARATION**
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS** CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS** CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES, ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.** WHERE THE HORIZONTAL CAN BE LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCES FROM JOINTS IN THE OTHER PIPELINE OR THE HORIZONTAL IS LESS THAN THREE FEET FROM ANOTHER PIPELINE OR THE UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR RECOMMENDED SOLUTIONS TO MEET THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS PER CHAPTER 62-555, F.A.C.

ENGINEERING STANDARDS 2018			
REVISIONS	BY	DATE	DATE: JAN. 2012 DWG. NO.
			122-3
ENGINEERING DIVISION		POTABLE WATER SUPPLY NOTES	
CITY OF POMPAÑO BEACH		SCALE: N.T.S.	

Accs Version : R201a (LMS Tool)
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Current Pathstyle : ByCode
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Layout Tab: D-8

NO.	DATE	ISSUED FOR	APPR'D BY	DESIGNED:	M.R.T.
1	2/28/18	CITY BUILDING DEPARTMENT RFI #1	M.R.T.	DRAWN:	J.A.J./K.C.
				CHECKED:	D.L.M./A.C.
				APPROVED:	D.L.M.

REBECCA TRAVIS, P.E.
No. 40988
STATE OF FLORIDA

MATHEWS CONSULTING

a BAXTER & WOODMAN company

405 S. Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401
Phone: 561-655-8175 • Fax: 561-655-6179
www.baxterwoodman.com EB-31795

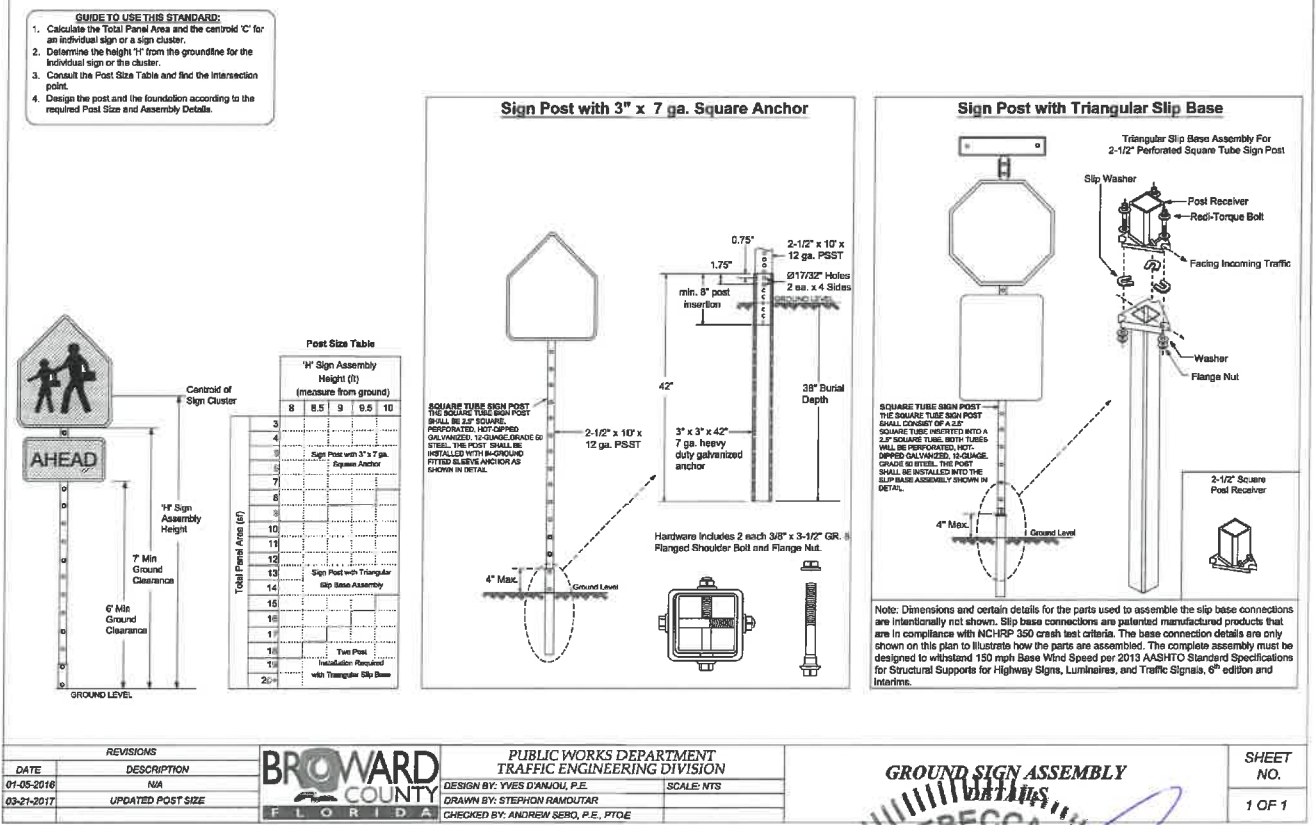
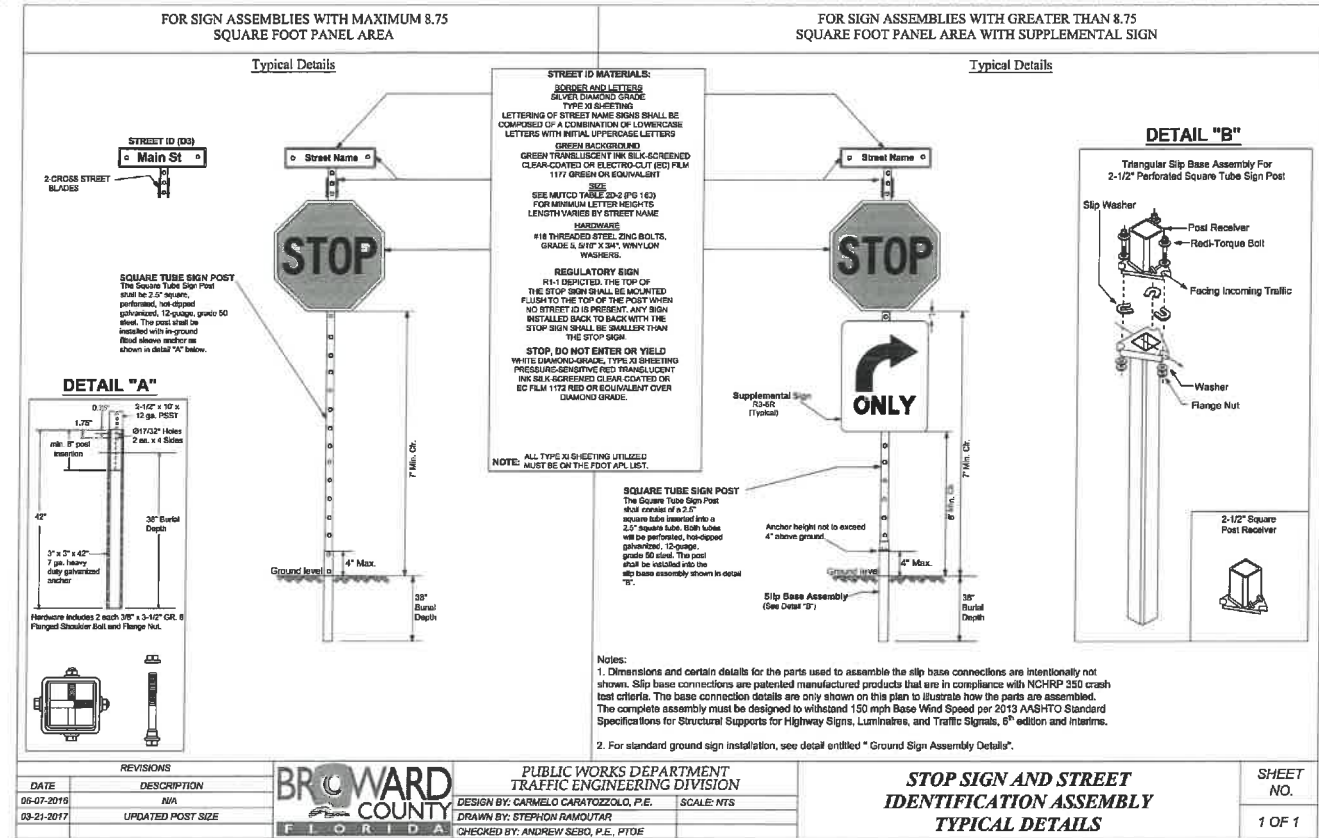
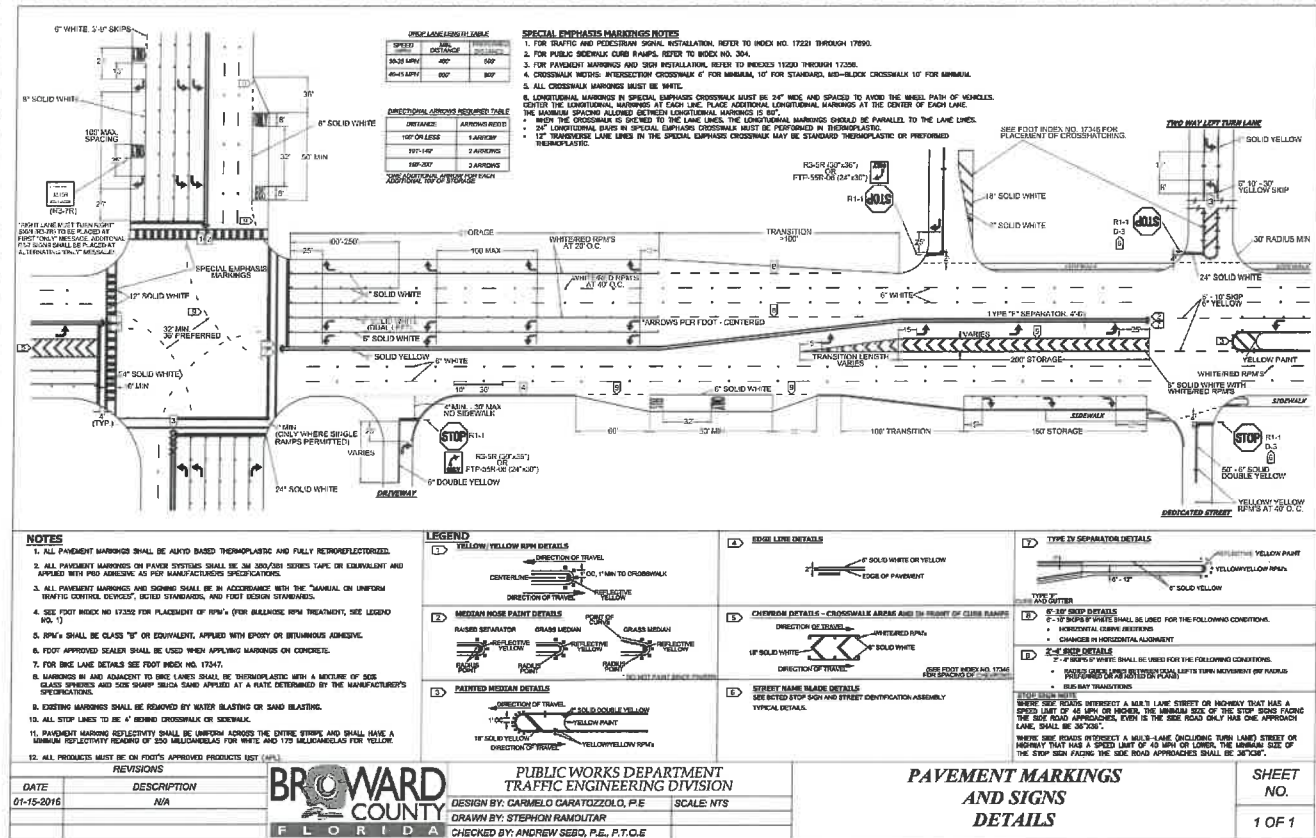
VERIFY SCALE

1" = 1'

BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

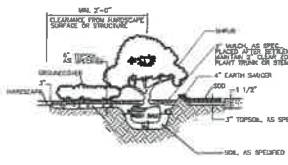
ENGINEER NO.: 1800	<p>CITY OF POMPAÑO BEACH</p> <p>ESQUIRE LAKE NEIGHBORHOOD</p> <p>STORMWATER IMPROVEMENTS</p>	DATE: JUNE 2018
CLIENT PROJECT NO.: _____		SHEET: 53 of 55
CAD REF.: 1800DETAILS	STANDARD DETAILS - SHEET 8 OF 10	DRAWING: D-8

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Legend Text: 0-0

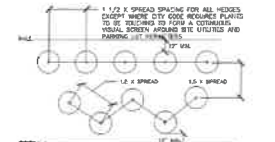


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Layout Tab: D-10

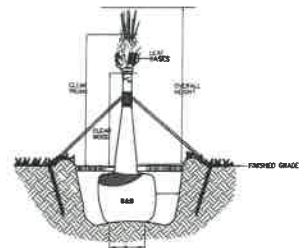
PLANTING DETAILS



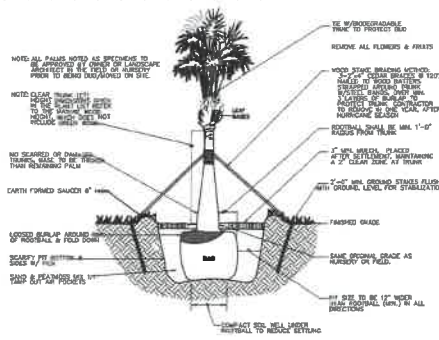
1 TYPICAL SHRUB PLANTING DETAIL



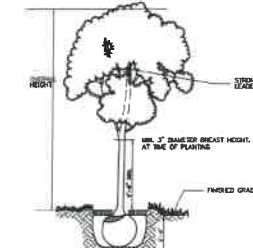
2 PLANT SPACING DETAIL



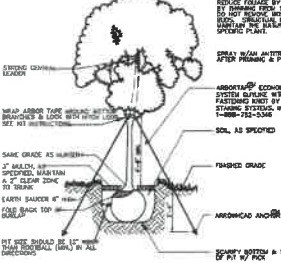
5 TYPICAL HURRICANE CUT SABAL PALM MEASURING DETAIL



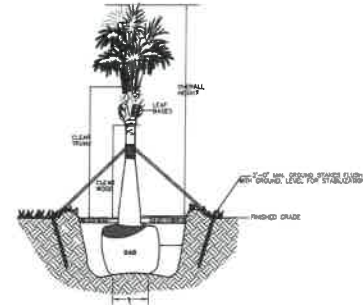
3 TYPICAL PALM PLANTING DETAIL



6 TYPICAL TREE MEASURING DETAIL



4 TYPICAL TREE PLANTING DETAIL



7 TYPICAL PALM MEASURING DETAIL

LANDSCAPE NOTE:

ALL TREE WORK WILL REQUIRE PERMITTING BY A REGISTERED BROWARD COUNTY TREE TRIMMER.

ALL PROPOSED PLANT MATERIAL SHALL BE FLORIDA NUMBER 1 OR BETTER AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, PART 1 AND 2, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

ALL PLANTED AREAS SHALL RECEIVE A 2-3" SPECIFIED MULCH.

ALL PLANT MATERIAL SHALL BE PRUNED, IF NEEDED, TO ACHIEVE THE SHAPE AND FORM CHARACTERISTIC TO THEIR DESIGN INTENT, PRUNING TO BE IN STRICT ACCORDANCE WITH ISA STANDARDS.

ALL SOD OR SEED SHALL BE CERTIFIED (IF APPLICABLE) AND WEED AND INSECT FREE.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES OR OTHER CONSTRUCTION WHICH MAY INTERFERE WITH PLANT INSTALLATION.

CALL SUNSHINE ONE CALL SERVICE FOR UNDERGROUND UTILITY LOCATION 48 HOURS PRIOR TO ANY EXCAVATION OF DIGGING 1-800-432-4470.

ALL MECHANICAL EQUIPMENT, IRRIGATION PUMPS, FPL TRANSFORMER, POOL PUMPS, ETC. SHALL BE SCREENED ON A MINIMUM OF THREE SIDES BY LANDSCAPE SHRUBS.

CORNER CLIP AND VISIBILITY TRIANGLES SHALL BE MAINTAINED FOR CLEAR SIGN VISIBILITY FROM THIRTY (30) INCHES TO EIGHT FEET HIGH. (TREE AND PALM TRUNKS EXCLUDED).

ROOT BARRIERS SHALL BE INSTALLED AS REQUIRED BY LOCAL UTILITY COMPANY OR OTHER REGULATING DETAILS.

ALL TREES AND PALMS SHALL BE STAKED/GUYED IN ACCORDANCE WITH THE SPECIFICATIONS AND PLANTING DETAILS.

LOCAL UTILITY AND FIRE RESCUE CLEARANCE ZONES SHALL BE PROVIDED AROUND ALL ABOVE GROUND OR AT GRADE METERS AND EQUIPMENT.

STREET TREE LOCATIONS SHALL BE COORDINATE WITH DRIVEWAYS, STREET LIGHTS, UTILITIES AND FIRE HYDRANTS.

LANDSCAPE PLANTINGS SHALL BE IN CONFORMANCE WITH FPL GUIDELINES FOR SETBACKS FROM OVERHEAD UTILITIES LINES.

ALL PLANTING AREA SHALL BE EXCAVATED TO A DEPTH OF 30" MINIMUM AND BACKFILLED WITH SOIL MIX CONSISTING OF 1/3 NATIVE SOIL, 1/3 CLEAN SAND AND 1/3 COMPOSTED COW MANURE OR COMPARABLE COMPOSTED ORGANIC MATERIAL.

LIGHT POLES, FIRE HYDRANTS, ELECTRICAL/MECHANICAL EQUIPMENT, SIGNS, DRAINAGE STRUCTURES, ETC. SHALL NOT INTERFERE WITH LANDSCAPING IN TERMINAL ISLANDS, INTERIOR ISLANDS, MEDIANS, DIAMONDS, BUFFERS OR OTHER LANDSCAPE WORK.

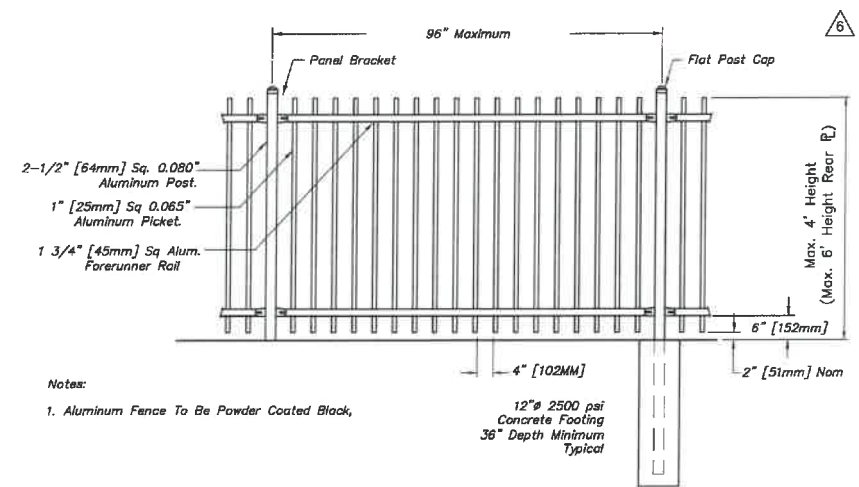
ALL SOD AREAS SHALL BE TREATED WITH HERBICIDE TO KILL GRASS PRIOR TO THE INSTALLATION OF ANY TYPE OF MULCH. HERBICIDE TO BE APPLIED PER MANUFACTURE'S DIRECTIONS AND UNTIL SOD IS COMPLETELY KILLED BUT FOR NO LESS THAN TWO (2) APPLICATIONS.

SHRUBS THAT ARE INDICATED WITHIN THE MULCH BED SHALL BE TREATED WITH HERBICIDE TO KILL GRASS. ONCE GRASS IS CONFIRMED TO BE DEAD, EXISTING GRASS SHALL BE STRIPPED AND PREPARED FOR NEW SOD. AREAS MUST BE CONFIRMED TO BE FREE OF ALL WEEDS, GRASS, VEGETATION, AND CONSTRUCTION DEBRIS, PRIOR TO PLACEMENT OF NEW SOD.

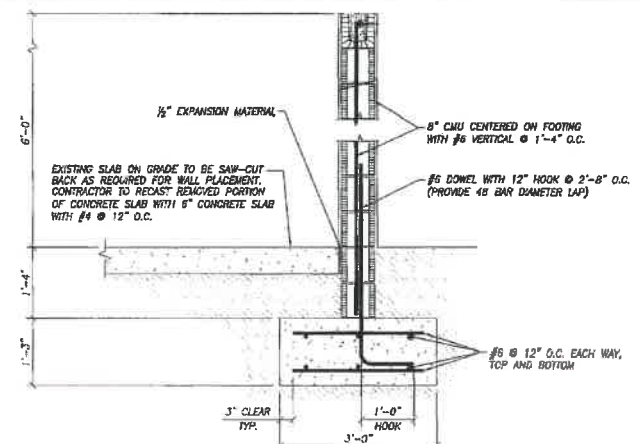
THE LANDSCAPE CONTRACTOR IS TO HAND DIG ALL PLANTINGS PITS THAT ARE LOCATED NEAR EXISTING FIBER OPTIC CABLE OR NATURAL GAS LINE.

CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING, GRUBBING, AND GRADING TO ACHIEVE PROJECT OBJECTIVES. THE REMOVAL OF TREES, ROOTS, AND EXISTING LANDSCAPE PLANTINGS IS REQUIRED TO IMPLEMENT THE DESIGN INTENT OF THE PLANS. EXISTING GRASS AREAS TO RECEIVE NEW SOD SHALL BE TREATED WITH HERBICIDE AS SPECIFIED ON THE PLANS, GRADING, INCLUDING THE FILLING OF HOLES AND RUTS, AND THE REMOVAL OF EXISTING VEGETATION MATTER WILL BE REQUIRED PRIOR TO THE INSTALLATION OF NEW SOD. ALL SOD AND PLANTING AREAS SHALL BE INSPECTED AND DETERMINED ACCEPTABLE BY INSPECTOR.

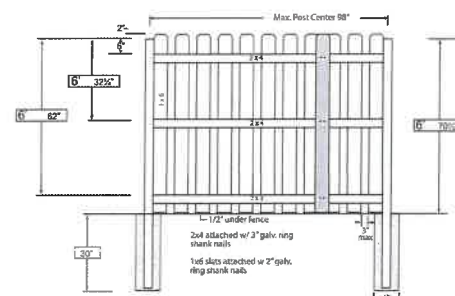
REGARDLESS OF CONTAINER SIZE, THE PLANT MATERIAL SHALL MEET THE SPECIFICATIONS FOR HEIGHT, SPREAD, AND CALIPER SPECIFIED ON THE LANDSCAPE PLANS.



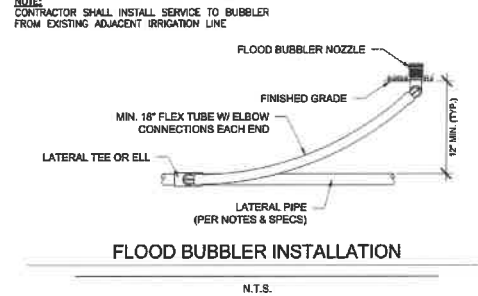
ALUMINUM RAIL FENCE DETAIL



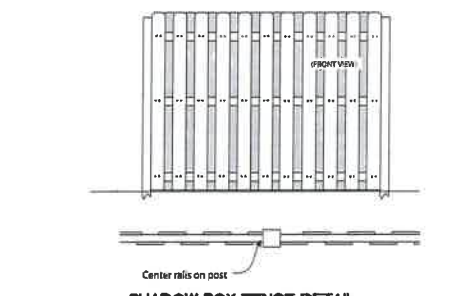
CONCRETE BLOCK WALL DETAIL



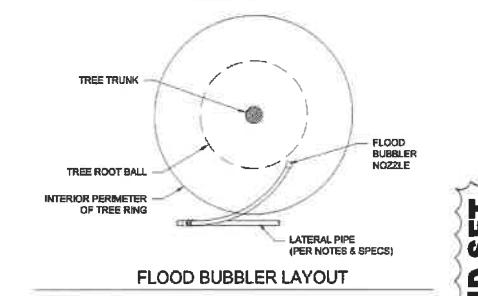
CHAIN LINK FENCE INSTALLATION DETAILS



FLOOD BUBBLER INSTALLATION



SHADOW BOX FENCE DETAIL



FLOOD BUBBLER LAYOUT

REVISIONS		LANDSCAPE STANDARDS		TREE PROTECTION DETAIL	
BY	DATE	URBAN FORESTRY	CITY OF POMPAÑO BEACH	APPROVED BY:	DATE: APRIL 2010
TOW	APRIL 2010			URBAN FORESTER	DWG. NO. 104-1
		SCALE: N.T.S.			

REVISIONS		ENGINEERING STANDARDS 2018		REQUIRED TREE LOCATIONS	
BY	DATE	ENGINEERING DIVISION	CITY OF POMPAÑO BEACH	APPROVED BY:	DATE: 2016
					DWG. NO. 316-1
		SCALE: N.T.S.			

REVISIONS		ENGINEERING STANDARDS 2018		CHAIN LINK FENCE	
BY	DATE	ENGINEERING DIVISION	CITY OF POMPAÑO BEACH	APPROVED BY:	DATE: MAY 2000
S.S.	5-4-00				DWG. NO. 303-2
		SCALE: N.T.S.			

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VERIFY SCALE
1" = 1'
BAR IS ONE INCH ON FULL SIZE (22x34) ORIGINAL DRAWING. ADJUST SCALES AS NECESSARY.

ENGINEER NO.: 1800
CLIENT PROJECT NO.:
CAD REF.: 1800DETAILS

CITY OF POMPAÑO BEACH
ESQUIRE LAKE NEIGHBORHOOD
STORMWATER IMPROVEMENTS
STANDARD DETAILS - SHEET 10 OF 10

DATE: JUNE 2018
SHEET: 55 of 55
DRAWING: D-10

BID SET