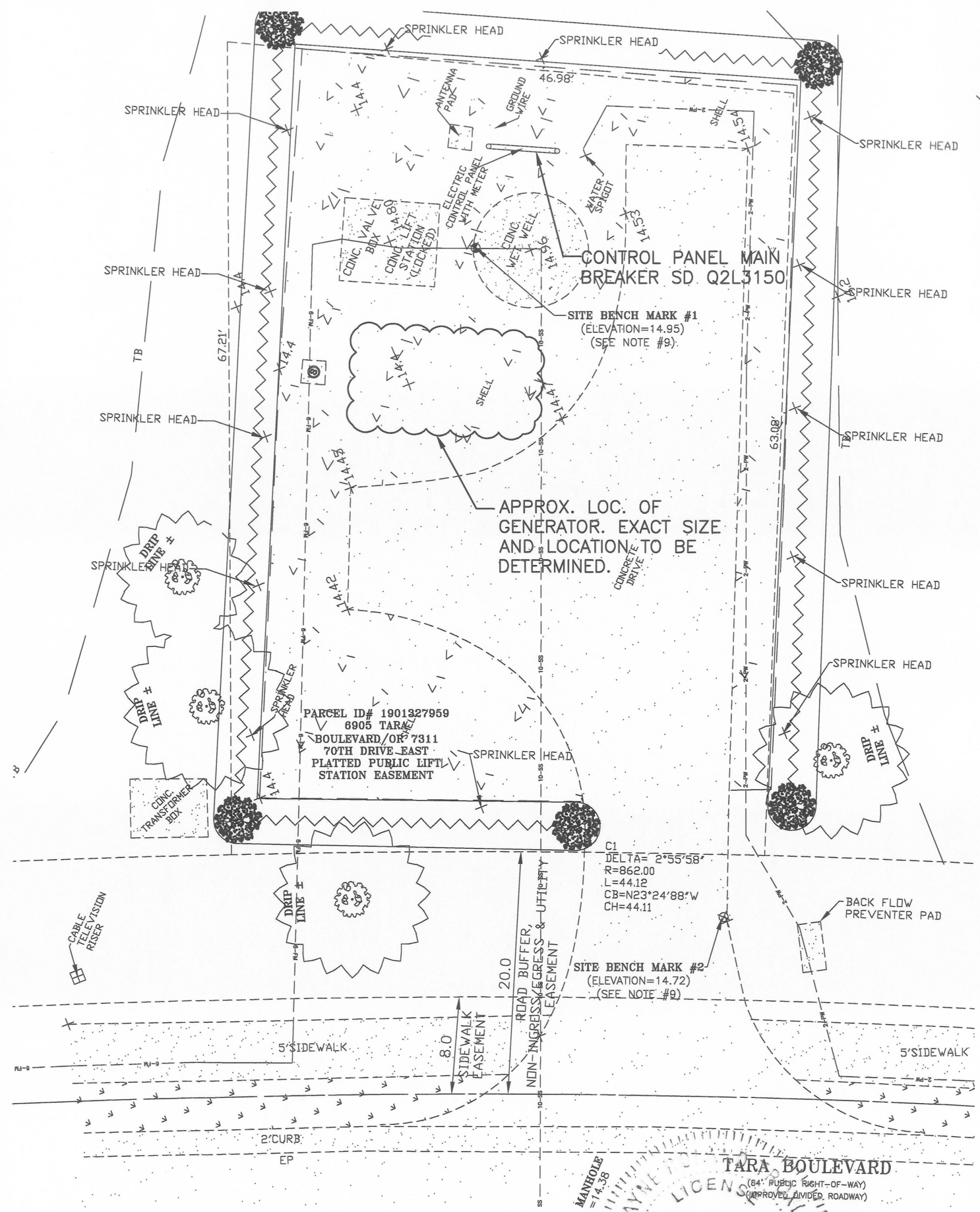




S:\P\WD-Engineering\Share\Util\Eng Design\Proj\2011 SWR SWR - LS Upgrade\EC\2011 Egenia\River Place (RTU 635)\DWG\River Place (RTU 635)\100% COMBINED.dwg SITE PLAN, B/27/2010 8:43 AM Jim Anderson, 1:2,0957, 11x17



Scale: 1" = 5'

- NOTES:**
- UNLESS NOTED, LOCATIONS LIMITED TO - OBSERVABLE, ABOVE GROUND IMPROVEMENTS. NO UNDERGROUND IMPROVEMENTS HAVE BEEN LOCATED EXCEPT THOSE SHOWN HEREON. SOME FEATURES MAY BE EXAGGERATED FOR CLARITY. DIMENSIONS SHOWN SUPERSEDE SCALED DIMENSIONS.
  - THIS SURVEY DOES NOT CERTIFY OR WARRANTY: TITLE, ZONING, EASEMENTS, OR FREEDOM FROM ENCUMBRANCES.
  - NO TITLE SEARCH PROVIDED TO THIS SURVEYOR REFLECTING EASEMENTS, RIGHTS-OF-WAY AND/OR OWNERSHIP EXCEPT AS SHOWN AND/OR NOTED HEREON.
  - THIS DRAWING IS NOT VALID WITHOUT THE ORIGINAL RAISED SEAL AND SIGNATURE OF THE FLORIDA REGISTERED SURVEYOR & MAPPER SHOWN HEREON. AN ELECTRONIC COPY OF THIS DRAWING MUST BE VERIFIED WITH A SIGNED AND SEALED DRAWING OF THE SAME.
  - ADDITIONS OR DELETIONS TO THIS SKETCH OF SURVEY BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY.
  - SUBJECT TO EASEMENTS, DEDICATIONS, RIGHT-OF-WAYS AND RESTRICTIONS OF RECORD NOT PROVIDED TO THE SURVEYOR AND MAPPER.
  - ALL MEASUREMENTS SHOWN HEREON ARE FIELD MEASURED UNLESS SPECIFICALLY ANNOTATED, NOTED OR OTHERWISE STATED ON THIS SKETCH OF SURVEY.
  - THE BEARING BASIS FOR THIS SURVEY IS GRID S46°29'55"E, NORTH AMERICAN DATUM 1983, BASED ON STATE PLANE COORDINATE SYSTEM 1983/1999, FLORIDA WEST ZONE AND IS BASED ON MANATEE COUNTY GEOGRAPHIC INFORMATION SYSTEM MONUMENTS M 017, (N)27 25 58.30626 LATITUDE, (W)082 26 50.38231 LONGITUDE AND M 084, (N)27 28 35.49937 LATITUDE, (W)082 29 57.46109 LONGITUDE. THE PUBLISHED VALUES WERE TAKEN FROM DATA SHEETS PUBLISHED ON THE NATIONAL GEODETIC SURVEY WEB SITE. THESE POINTS ARE 1ST ORDER HORIZONTAL CONTROL AND WERE USED TO VERIFY THE ACCURACY OF A REAL TIME KINEMATIC GLOBAL POSITIONING BY SATELLITE (RTK GPS) SURVEY AND WAS USED TO ESTABLISH GROUND CONTROL POINTS FOR A SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY. THE VERTICAL VALUES WERE NOT USED FOR THIS SURVEY DUE TO INCONSISTENCIES BETWEEN POINTS. THE FDOT SPIDER WEB NETWORK CONTINUOUS OPERATING BASE STATIONS WERE USED TO PRODUCE A SOLUTION WHICH YIELDED ERRORS OF 0.06' +/- N & S BY 0.04' +/- E & W AND WAS CONSIDERED AS ACCURATE AS NEEDED FOR THE TOPOGRAPHIC SURVEY OF THE LIFT STATION. THE CONTROL POINTS USED FOR THE SURVEY WERE SHOT AS OBSERVED CONTROL HOLDING AN AVERAGE OF THE 180 EPOCHS (ONE SHOT EVERY SECOND FOR 3 MINUTES) TO COMPUTE THE HORIZONTAL POSITION. LOCATIONS WERE MADE TO THE PUBLISHED CONTROL POINTS AT THE BEGINNING AND END OF EACH SESSION AS A CHECK. THERE WAS NO SIGNIFICANT DIFFERENCE IN THE FIELD MEASURED VALUES DURING THE RTK GPS PROCESS OVER A COUPLE OF DAYS.
  - NOTE: THE DESCRIPTIONS FOR PLAT BENCHMARKS #9 & #10 THAT WERE USED FOR THIS SURVEY STATE THAT THEY WERE TO BE "METAL DISK" SET IN SQUARE CUTS WITH THE STAMPING "GLOBAL BM# LB6432". THERE WAS NO EVIDENCE OF, OR REMNANTS OF THE DISKS HAVING BEEN SET FOR PLAT BENCHMARKS #9 & #10, HOWEVER, THERE WERE SQUARE CUTS FOUND IN THE LOCATIONS DESCRIBED ON THE RECORD PLAT AND THE ELEVATION DIFFERENCE BETWEEN THE MARKS CHECKED. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE PUBLISHED DATA FOR PLAT BENCHMARK #9, A FOUND SQUARE CUT IN THE NORTHEAST CORNER OF AN OUTFALL STRUCTURE (#9, PER PLAT, METAL DISK STAMPED "GLOBAL BM9 LB6432 NE CORNER OUTFALL STRUCTURE). ELEVATION = 13.94' (NOT PICTURED ON SURVEY) ACCORDING TO PLAT BOOK 42, PAGE 184.
  - SITE BM # 1, FOUND SQUARE CUT IN THE NORTH SIDE OF CONCRETE WET WELL AT THE LIFT STATION RTU 635, (#10, PER PLAT, METAL DISK STAMPED GLOBAL BM10 LB6432 NORTH EDGE LIFT STATION WET WELL.) ELEVATION=14.95', AS SHOWN ON THIS SURVEY. NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29).
  - SITE BM # 2, SET RIVET AND DISK (NO ID) IN SOUTH SIDE OF CONCRETE DRIVE, ELEVATION=14.72', AS SHOWN ON THIS SURVEY. NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29).
  - THIS SURVEY IS NOT CERTIFIED TO ANY OTHER STANDARDS UNLESS SPECIFICALLY STATED OR LISTED HEREON.
  - PARCEL INFORMATION SHOWN ON THIS SURVEY WAS TAKEN FROM THE MANATEE COUNTY PROPERTY APPRAISERS WEB SITE AND IS SUBJECT TO VERIFICATION.
  - THE SUBJECT PROPERTY LIES IN FLOOD ZONE "X", PER FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 120153 0365 C, MAP REVISED JULY 15, 1992 AND IS SUBJECT TO VERIFICATION BY THE PERMITTING DEPARTMENT OR FLOOD PLAIN MANAGEMENT DEPARTMENT. THIS DATA WAS TAKEN FROM NOTE #4 OF THE RECORD PLAT OF RIVER PLACE (PLAT BOOK 42, PAGE 173) AND IS PICTORIALLY REPRESENTED ON PAGE 184 OF THE ABOVE MENTIONED RECORDED PLAT.
  - THE INTENDED DISPLAY SCALE OF THIS 24"X 36" PAPER SKETCH OF SURVEY IS 1" = 10' OR SMALLER. THE ELECTRONIC DATA FILE OF THIS SURVEY IS INTENDED TO BE AT A SCALE OF 1 TO 1.

NOTE: THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) WAS FORMERLY KNOWN AS (1/1/0) THE DEPARTMENT OF NATURAL RESOURCES (DNR) AND ARE ONE IN THE SAME. THE DEP IS CURRENTLY THE REPOSITORY FOR ALL OF THE CERTIFIED CORNER RECORDS FOR SECTIONALIZED LAND.

**TREE LEGEND:**

⊙	= OAK TREE
✳	= PALM TREE
⊙	= HICKORY TREE
⊙	= UNKNOWN TREE
⊙	SIZE IN INCHES DIAMETER
⊙	BREAST HEIGHT

**TOPOGRAPHIC SURVEY**

TO LOCATE FEATURES IN AND AROUND THE PLATTED PUBLIC LIFT STATION EASEMENT IN TRACT "B" ON PAGE 184 OF PLAT BOOK 42 FOR RIVER PLACE SUBDIVISION (COUNTY DESIGNATION RTU# 635) IN SECTION 26, TOWNSHIP 35 SOUTH, RANGE 18 EAST MANATEE COUNTY, FLORIDA

LEGEND		LEGEND		LEGEND	
BWF = BARBED WIRE FENCE	FCM = FOUND CONC. MONUMENT 4"x4" (ID NOTED)	LS = LICENSED SURVEYOR (L&S)	PB = PLAT BOOK	RSM = REGISTERED SURVEYOR & MAPPER	CO = CLEAN OUT (CO)
C = CURVE	FIP = FOUND IRON PIPE (NO ID, SIZE NOTED)	(M) = FIELD MEASURED DIMENSION	PC = POINT OF CURVATURE	R/W = RIGHT-OF-WAY	⊙ = SIGN
(C) = CALCULATED DIMENSION	FIRC = FOUND IRON ROD & CAP (ID & SIZE NOTED)	MH = MANHOLE	POB = POINT OF BEGINNING	Sec. = SECTION	⊙ = UTILITY POLE
CB = CHORD BEARING	FIR = FOUND IRON ROD (NO ID, SIZE NOTED)	NGVD = NATIONAL GEODETIC VERTICAL DATUM	POC = POINT OF COMMENCEMENT	S/W = SIDE WALK	⊙ = GUY WIRE ANCHOR
CH = CHORD	FIR = FOUND IRON ROD (NO ID, SIZE NOTED)	NMF/S = NO MONUMENT FOUND OR SET	PI = POINT OF INTERSECTION	TB = TOP OF BANK	⊙ = WATER VALVE
CI = CURB INLET	CONG. = CONCRETE	MNF = MASONRY NAIL FOUND	PRC = POINT OF REVERSE CURVE	Twp. = TOWNSHIP	⊙ = SEWER VALVE
CLF = CHAIN LINK FENCE	CMP = CORRUGATED METAL PIPE	MNS = MASONRY NAIL SET	PRM = PERMANENT REFERENCE MONUMENT	(Typ.) = TYPICAL	⊙ = SANITARY SEWER
CONG. = CONCRETE	CONG. = CONCRETE	NDF = NAIL & DISK FOUND (ID NOTED)	PSM = PROFESSIONAL SURVEYOR & MAPPER	WM = WITNESS MONUMENT	⊙ = ELEV./SPOT ELEV.
(O) = DEED DIMENSIONS	SIRC = SET IRON ROD & CAP 5/8"	NOS = NAIL & DISK SET	N.P.D. = NO PLAT DATA	WF = WOOD FENCE	⊙ = SITE BENCH MARKS
ES = EDGE OF SHELL ROAD, +/-	ID = IDENTIFICATION	O.R. = OFFICIAL RECORDS	RAD = RADIUS	& = CENTER LINE	⊙ = 80 PENNY NAILS SET
ELEV. = ELEVATION	INV. = INVERT	O/A = OVERALL	RCP = REINFORCED CONC. PIPE	-OL- = OVERHEAD UTILITY LINE	⊙ = BENCH MARK (BM)
EP = EDGE OF PAVEMENT	LB = LICENSED BUSINESS	(P) = PLAT DIMENSION	REG = REGISTERED	FP&L = FLORIDA POWER & LIGHT	⊙ = WATER METER
			Rge. = RANGE	+/- = MORE OR LESS	

SEC, TWP, RGE	26-35S-18E		
SURVEY BOOK NO.			
PROJECT NUMBER	402-5126580		
	By	Checked	Date
Surveyed	MCS	JEA	11/24/09
Drawn	JEA	WRT	11/30/09
Designed	WRT	JEA	11/25/09

**NOTE:**  
THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR RIGHTS-OF-WAY SURVEY. THE LOCATION OF THE STREET RIGHTS-OF-WAY LINES SHOWN IS APPROXIMATE AND IS BASED ON INFORMATION CONTAINED IN THE SUBDIVISION PLATS, RIGHTS-OF-WAY MAPS ON RECORD IN MANATEE COUNTY AND ON TOPOGRAPHIC DATA COLLECTED ON THE ROUTE SURVEY OF THE RIGHTS-OF-WAY. CONSEQUENTLY THE RIGHTS-OF-WAY LINES SHOWN ARE NOT INTENDED TO INDICATE THE EXACT PROPERTY CORNERS.

WAYNE RIVER 6226104  
Engineer / Reg. No.

STATE OF FLORIDA  
PUBLIC WORKS DEPT.-ENGINEERING DIVISION

MANATEE COUNTY  
FLORIDA

1022 26th Avenue East, Bradenton, FL 34208

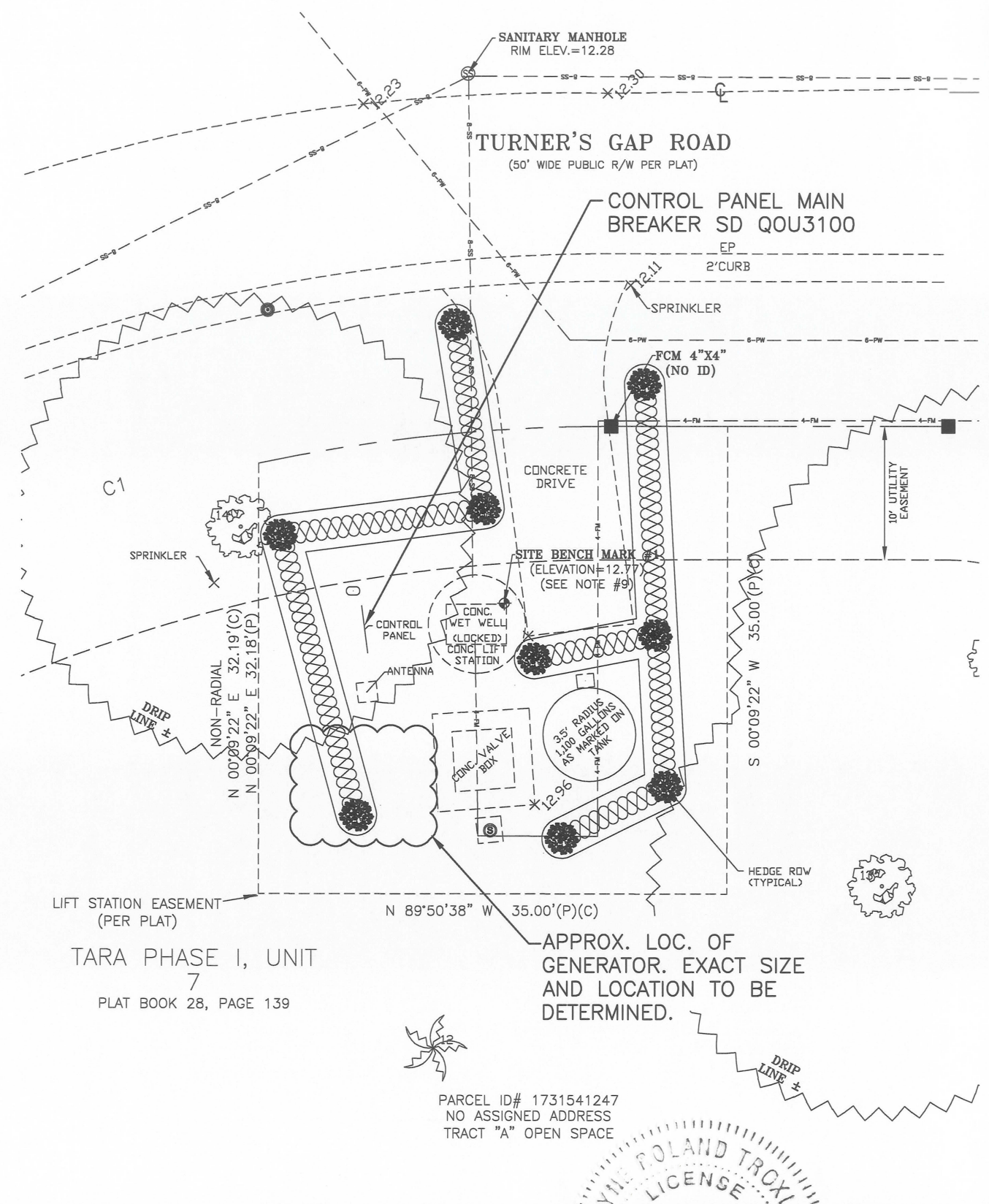
NO.	REVISION DESCRIPTION	BY	DATE

**LIFT STATION UPGRADES, 2010 GROUP 3  
EMERGENCY GENERATORS  
RIVER PLACE (RTU 635)**

**PLAN & PROFILE**

Sheet 7 of 10

S:\P\010\_Engineering\Share\Util\_Eng\_Design\Proj\Tara\_SWR\_Proj\San\_Swr - LS\_Upgrade\EGens\2011\_Egens\TARA 5 (RTU 354)\DWG\TARA 5 (RTU 354) 100% COMBINED.dwg, SITE PLAN, 8/27/2010 8:44 AM, Jim Anderson, 1:2,0957, 11x17



- NOTES:**
- UNLESS NOTED, LOCATIONS LIMITED TO - OBSERVABLE, ABOVE GROUND IMPROVEMENTS. NO UNDERGROUND IMPROVEMENTS HAVE BEEN LOCATED EXCEPT THOSE SHOWN HEREON. SOME FEATURES MAY BE EXAGGERATED FOR CLARITY. DIMENSIONS SHOWN SUPERSEDE SCALED DIMENSIONS.
  - THIS SURVEY DOES NOT CERTIFY OR WARRANTY: TITLE, ZONING, EASEMENTS, OR FREEDOM FROM ENCUMBRANCES.
  - NO TITLE SEARCH PROVIDED TO THIS SURVEYOR REFLECTING EASEMENTS, RIGHTS-OF-WAY AND/OR OWNERSHIP EXCEPT AS SHOWN AND/OR NOTED HEREON.
  - THIS DRAWING IS NOT VALID WITHOUT THE ORIGINAL RAISED SEAL AND SIGNATURE OF THE FLORIDA REGISTERED SURVEYOR & MAPPER SHOWN HEREON. AN ELECTRONIC COPY OF THIS DRAWING MUST BE VERIFIED WITH A SIGNED AND SEALED DRAWING OF THE SAME.
  - ADDITIONS OR DELETIONS TO THIS SKETCH OF SURVEY BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY.
  - SUBJECT TO EASEMENTS, DEDICATIONS, RIGHT-OF-WAYS AND RESTRICTIONS OF RECORD NOT PROVIDED TO THE SURVEYOR AND MAPPER.
  - ALL MEASUREMENTS SHOWN HEREON ARE FIELD MEASURED UNLESS SPECIFICALLY ANNOTATED, NOTED OR OTHERWISE STATED ON THIS SKETCH OF SURVEY.
  - THE BEARING BASIS FOR THIS SURVEY IS GRID N45°30'20"E, NORTH AMERICAN DATUM 1983, BASED ON STATE PLANE COORDINATE SYSTEM 1983/1999, FLORIDA WEST ZONE AND IS BASED ON MANATEE COUNTY GEOGRAPHIC INFORMATION SYSTEM MONUMENTS M 017, (N)27 25 58.30626 LATITUDE, (W)082 26 50.36231 LONGITUDE AND M 085, (N)27 23 19.34917 LATITUDE, (W)082 29 50.27757 LONGITUDE. THE PUBLISHED VALUES WERE TAKEN FROM DATA SHEETS PUBLISHED ON THE NATIONAL GEODETIC SURVEY WEB SITE. THESE POINTS ARE 1ST ORDER HORIZONTAL CONTROL AND WERE USED TO VERIFY THE ACCURACY OF A REAL TIME KINEMATIC GLOBAL POSITIONING BY SATELLITE (RTK GPS) SURVEY AND WAS USED TO ESTABLISH GROUND CONTROL POINTS FOR A SPECIFIC PURPOSE SURVEY & TOPOGRAPHIC SURVEY. THE VERTICAL VALUES WERE NOT USED FOR THIS SURVEY DUE TO INCONSISTENCIES BETWEEN POINTS. THE FDOT SPIDER WEB NETWORK CONTINUOUS OPERATING BASE STATIONS WERE USED TO PRODUCE A SOLUTION WHICH YIELDED ERRORS OF 0.03' +/- N & S BY 0.08' +/- E & W AND WAS CONSIDERED AS ACCURATE AS NEEDED FOR THE TOPOGRAPHIC SURVEY OF THE LIFT STATION. THE CONTROL POINTS USED FOR THE SURVEY WERE SHOT AS OBSERVED CONTROL HOLDING AN AVERAGE OF THE 180 EPOCHS (ONE SHOT EVERY SECOND FOR 3 MINUTES) TO COMPUTE THE HORIZONTAL POSITION. LOCATIONS WERE MADE TO THE PUBLISHED CONTROL POINTS AT THE BEGINNING AND END OF EACH SESSION AS A CHECK. THERE WAS NO SIGNIFICANT DIFFERENCE IN THE FIELD MEASURED VALUES DURING THE RTK GPS PROCESS OVER A COUPLE OF DAYS.
  - THE ELEVATIONS SHOWN HEREON ARE BASED ON MANATEE COUNTY BENCHMARK 87-29-05 RIVET AND MANATEE COUNTY DISK IN THE CENTERLINE OF CONCRETE SIDEWALK, LOCATED 0.5' EAST OF THE WEST EDGE OF SIDEWALK, 60'+/- NORTH OF THE CENTERLINE OF LINGER LODGE ROAD, AND 25'+/- WEST OF THE CENTERLINE OF PLEASANT HILL ROAD. ELEVATION = 11.028' (NOT PICTURED ON SURVEY), AND MANATEE COUNTY BENCHMARK 87-29-06 RIVET AND MANATEE COUNTY DISK IN THE CENTERLINE OF CONCRETE SIDEWALK, LOCATED 265'+/- EAST OF THE CENTERLINE OF THE NORTH FRONT ENTRANCE TO TARA ELEMENTARY SCHOOL ON LINGER LODGE ROAD, AND 40'+/- SOUTH OF THE CENTERLINE OF LINGER LODGE ROAD. ELEVATION = 12.889' (NOT PICTURED ON SURVEY). NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD29).
  - SITE BM # 1, A FOUND SQUARE CUT IN THE NORTHEAST CORNER OF A METAL RIM TO A ACCESS DOOR TO WET WELL OF A LIFT STATION LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF TURNERS GAP ROAD AND PLEASANT HILL ELEVATION=12.77' AS SHOWN ON THIS SURVEY. (NOTE: THE PLAT BENCH MARK FOR TARA PHASE I, UNIT 7 AS SHOWN AND DESCRIBED ON PAGE 142 OF PLAT BOOK 28 HAVING AN ELEVATION OF 9.99 IS BELIEVED TO BE ERRONEOUS BY 2.78 FEET OR THE TWO LEVEL RUNS ONE FOR THE RECORD PLAT AND ONE FOR THIS SURVEY ARE TIED TO TWO DIFFERENT ORIGINATING BENCH MARKS).
  - SITE BM # 2, FOUND PK NAIL AND DISK (L&S LB2241) LOCATED IN THE CENTERLINE PAVEMENT OF TURNERS GAP ROAD AND PLEASANT HILL ROAD, ELEVATION=12.652', AS SHOWN ON THIS SURVEY.
  - THIS SURVEY IS NOT CERTIFIED TO ANY OTHER STANDARDS UNLESS SPECIFICALLY STATED OR LISTED HEREON.
  - PARCEL INFORMATION SHOWN ON THIS SURVEY WAS TAKEN FROM THE MANATEE COUNTY PROPERTY APPRAISERS WEB SITE AND IS SUBJECT TO VERIFICATION.
  - THE SUBJECT PROPERTY LIES IN FLOOD ZONE X, PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 120153 0365 C, MAP REVISED JULY 15, 1992 AND IS SUBJECT TO VERIFICATION BY THE PERMITTING DEPARTMENT OR FLOOD PLAIN MANAGEMENT DEPARTMENT.
  - THE INTENDED DISPLAY SCALE OF THIS 24"x 36" PAPER SKETCH OF SURVEY IS 1" = 10' OR SMALLER. THE ELECTRONIC DATA FILE OF THIS SURVEY IS INTENDED TO BE AT A SCALE 1 TO 1.

Scale: 1" = 5'

NOTE: THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) WAS FORMERLY KNOWN AS (DNR) THE DEPARTMENT OF NATURAL RESOURCES (DNR) AND ARE ONE IN THE SAME. THE DEP IS CURRENTLY THE REPOSITORY FOR ALL OF THE CERTIFIED CORNER RECORDS FOR SECTIONALIZED LAND.

NOTE: THE TRACT BOUNDARY LINES, CENTERLINE, EASEMENT LINES AND CALCULATED INFORMATION SHOWN HEREON FOR THIS TOPOGRAPHIC SURVEY IS BASED ON EXISTING MONUMENTATION SHOWN ON THIS SKETCH OF SURVEY AS IT RELATES TO THE RECORD PLAT FOR TARA PHASE I, UNIT 7.

**TREE LEGEND:**

- ⊙ = OAK TREE
- ⊙ = PALM TREE
- ⊙ = HICKORY TREE
- ⊙ = UNKNOWN TREE
- SIZE IN INCHES DIAMETER BREST HEIGHT

**TOPOGRAPHIC SURVEY**

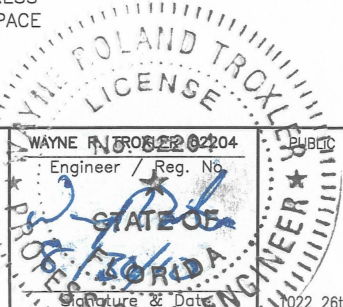
TO LOCATE FEATURES IN AND AROUND THE LIFT STATION EASEMENT SHOWN ON PAGE 142 OF PLAT BOOK 28 FOR TARA PHASE I, UNIT 7. COUNTY DESIGNATION RTU 354, 6514 TURNER GAP ROAD IN SECTION 14, TOWNSHIP 35 SOUTH, RANGE 18 EAST MANATEE COUNTY, FLORIDA

<b>LEGEND</b>	<b>LEGEND</b>	<b>LEGEND</b>	<b>LEGEND</b>
BWF = BARBED WIRE FENCE C = CURVE (C) = CALCULATED DIMENSION CB = CHORD BEARING CH = CHORD CI = CURB INLET CLF = CHAIN LINK FENCE CMP = CORRUGATED METAL PIPE CONC. = CONCRETE (D) = DEED DIMENSIONS ES = EDGE OF SHELL ROAD, +/- ELEV. EP = EDGE OF PAVEMENT	FCM = FOUND CONC. MONUMENT 4"x4" (ID NOTED) FIP = FOUND IRON PIPE (NO ID, SIZE NOTED) FIRC = FOUND IRON ROD&CAP (D & SIZE NOTED) FIR = FOUND IRON ROD (NO ID, SIZE NOTED) SIRC = SET IRON ROD & CAP 5/8" ID = MANATEE COUNTY CAP ID = IDENTIFICATION INV. = INVERT LB = LICENSED BUSINESS	LS = LICENSED SURVEYOR (L&S) (L&S) = LOMBARDO & SKIPPER (M) = FIELD MEASURED DIMENSION MH = MANHOLE NGVD = NATIONAL GEODETIC VERTICAL DATUM NMF/S = NO MONUMENT FOUND OR SET MNF = MASONRY NAIL FOUND MNS = MASONRY NAIL SET NDF = NAIL & DISK FOUND (ID NOTED) NDS = NAIL & DISK SET O.R. = OFFICIAL RECORDS O/A = OVERALL (P) = PLAT DIMENSION	PB = PLAT BOOK PC = POINT OF CURVATURE POB = POINT OF BEGINNING POC = POINT OF COMMENCEMENT PI = POINT OF INTERSECTION PRC = POINT OF REVERSE CURVE PRM = PERMANENT REFERENCE MONUMENT PSM = PROFESSIONAL SURVEYOR & MAPPER N.P.D. = NO PLAT DATA RAD = RADIUS RSP = REINFORCED CONC. PIPE REG = REGISTERED Rge. = RANGE

TARA PHASE I, UNIT 7  
PLAT BOOK 28, PAGE 139

APPROX. LOC. OF GENERATOR. EXACT SIZE AND LOCATION TO BE DETERMINED.

PARCEL ID# 1731541247  
NO ASSIGNED ADDRESS  
TRACT "A" OPEN SPACE



SEC, TWP, RGE	14-35S-18E		
SURVEY BOOK NO.			
PROJECT NUMBER	402-5124184		
	By	Checked	Date
Surveyed	MCS	JEA	11/24/09
Drawn	JEA	WRT	11/30/09
Designed	WRT	JEA	11/25/09

**NOTE:**

THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR RIGHTS-OF-WAY SURVEY. THE LOCATION OF THE STREET RIGHTS-OF-WAY LINES SHOWN IS APPROXIMATE AND IS BASED ON INFORMATION CONTAINED IN THE SUBDIVISION PLATS, RIGHTS-OF-WAY MAPS ON RECORD IN MANATEE COUNTY AND ON TOPOGRAPHIC DATA COLLECTED ON THE ROUTE SURVEY OF THE RIGHTS-OF-WAY. CONSEQUENTLY THE RIGHTS-OF-WAY LINES SHOWN ARE NOT INTENDED TO INDICATE THE EXACT PROPERTY CORNERS.

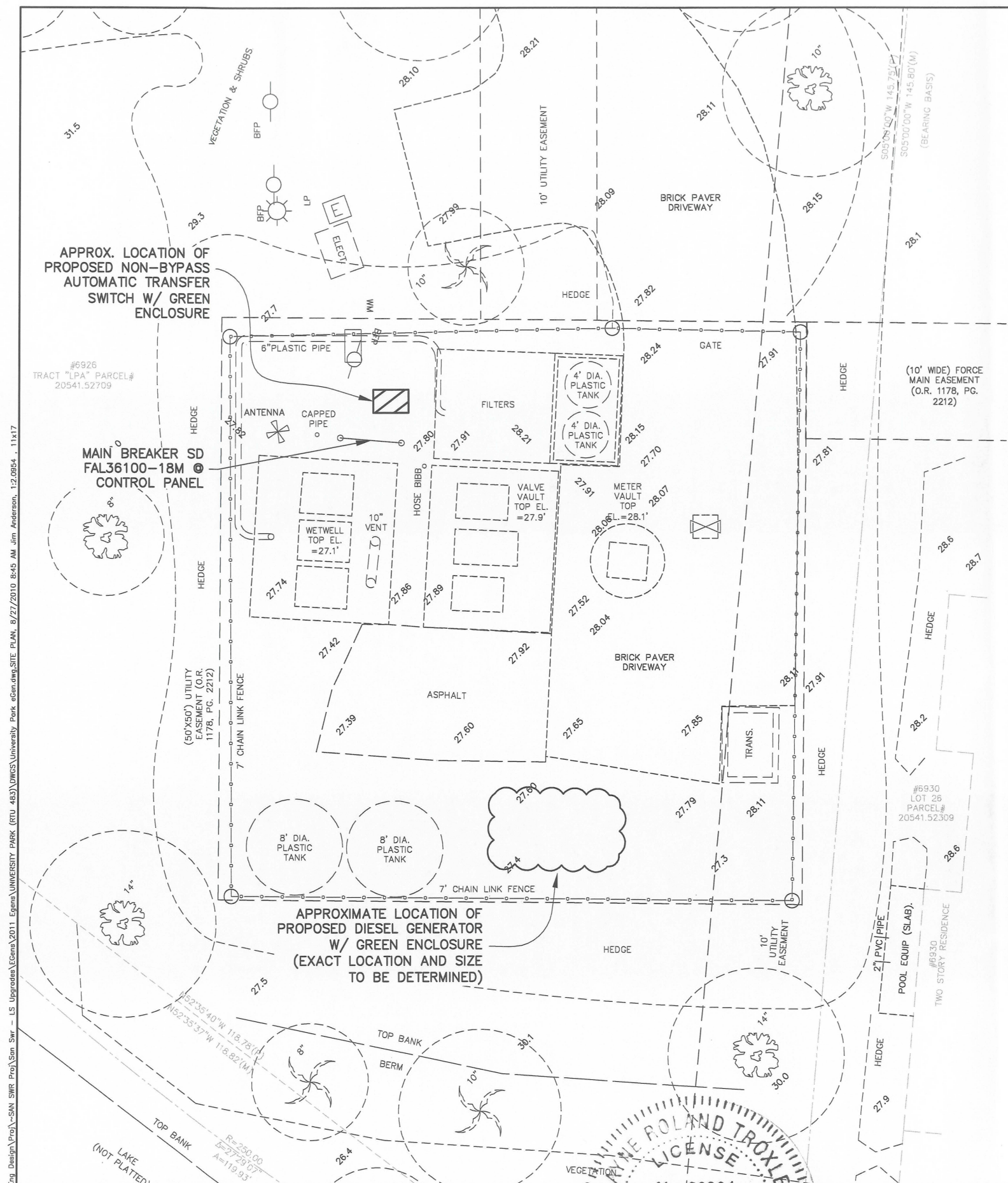
WAYNE R. TROXLER  
12022  
Engineer / Reg. No.  
PUBLIC WORKS DEPT.-ENGINEERING DIVISION  
2022 26th Avenue East, Bradenton, FL 34208

NO.	REVISION DESCRIPTION	BY	DATE

**LIFT STATION UPGRADES, 2010 GROUP 3  
EMERGENCY GENERATORS  
TARA 5 (RTU 354)**

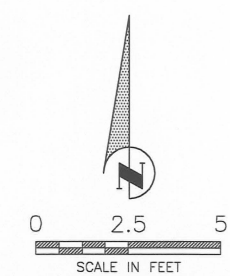
**PLAN & PROFILE**

Sheet 8  
10



- SURVEY NOTES:**
- THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE MAY NOT NECESSARILY INDICATE ALL ENCUMBRANCES AFFECTING SUBJECT PROPERTY.
  - THERE ARE NO VISIBLE ENCROACHMENTS EXCEPT AS SHOWN. FOUNDATIONS BENEATH THE SURFACE OF THE GROUND THAT MAY ENCROACH HAVE NOT BEEN LOCATED.
  - THE LOCATION AND EXISTENCE OF UNDERGROUND UTILITIES AND UNDERGROUND FOUNDATIONS OR ANY OTHER PERTINENT ATTRIBUTES TO SUBJECT PROPERTY (IF ANY) NOT ABSTRACTED AS PART OF THIS SURVEY, EXCEPT AS SHOWN.
  - BEARINGS BASED ON PLAT LINE AS SHOWN.
  - SUBJECT TO ALL RESTRICTIONS, RIGHTS OF WAY AND EASEMENTS OF RECORD, IF ANY.
  - TRACT CONTAINS 15,177± SQUARE FEET(P).
  - REUSE OF DOCUMENTS: THIS DOCUMENT IS AN INSTRUMENT OF SERVICE IN RESPECT OF THE PROJECT TO WHICH IT APPLIES AND ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY GEORGE F. YOUNG, INC. (GFY) FOR THE SPECIFIC PURPOSES INTENDED WILL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO GFY AND USER SHALL INDEMNIFY AND HOLD HARMLESS GFY FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING ATTORNEYS FEES ARISING OUT OF OR RESULTING THEREFROM. ANY SUCH VERIFICATION OR ADAPTATION WILL ENTITLE GFY TO FURTHER COMPENSATION AT RATES TO BE AGREED UPON BY USER AND GFY.
  - THE EXPECTED USE OF THE LAND, AS CLASSIFIED IN THE FLORIDA MINIMUM TECHNICAL STANDARDS (61G17-6-F.A.C.), IS SUBURBAN. THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF BOUNDARY SURVEY IS 1 FOOT IN 7,500 FEET. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE FOR THIS SURVEY WAS FOUND TO EXCEED THIS REQUIREMENT.
  - THE PROPERTY APPEARS TO LIE IN FLOOD ZONE "X", AS SCALED FROM THE MANATEE COUNTY FLOOD INSURANCE RATE MAP No. 120153 0365 C, WITH A REVISED DATE OF FEB. 05, 1994.
  - THE ELEVATIONS SHOWN WERE BASED ON PLAT BENCH MARK, BEING A PERMANENT REFERENCE MONUMENT L.B. #4295, WITH A PUBLISHED ELEVATION OF 25.52', NATIONAL GEODETIC VERTICAL DATUM OF 1929, AND SHOWN ON THE PLAT OF LANGLEY PARK, A SUBDIVISION, PLAT BOOK 34, PAGE 91, OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA. THE BENCH MARK WAS SHOWN ON SAID PLAT AT THE S.E. CORNER OF TRACT "NR1".

- NOTES:**
- ANY ELECTRICAL WIRING THAT IS INSTALLED BETWEEN THE LIFT STATION'S WET WELL AND VALVE VAULT SHALL BE INSTALLED IN A CARRIER PIPE THAT IS STRAPPED TO THE WET WELL OR VALVE VAULT.
  - THE CAPACITY OF THE DIESEL FUEL TANK SHALL BE SIZED TO THE MINIMAL FOOTPRINT AND HEIGHT TO RUN THE GENERATOR CONTINUOUSLY FOR 96 HOURS AT 75% LOAD AS INDICATED IN THE SPECIFICATIONS. HOWEVER, THE DIESEL FUEL TANK SHALL NOT EXCEED 540 GALLONS.



**SYMBOL LEGEND**

□	CONCRETE MONUMENT FOUND
●	CAPPED IRON ROD FOUND
○	CAPPED IRON ROD SET L.B.021
●	NAIL & DISK FOUND
⊙	NAIL & DISK SET
⊛	ANTENNAE
⊞	ELECTRIC BOX
⊚	SANITARY VALVE
⊚	WATER VALVE
⊚	WATER METER
⊚	BACKFLOW PREVENTER
⊚	SANITARY MANHOLE
⊚	SANITARY CLEAN-OUT

- LEGEND:**
- (P) - PLAT
  - (M) - MEASURED
  - (D) - DEED OR DESCRIPTION
  - LB - LICENSED BUSINESS
  - (OA) - OVERALL
  - (O.R.) - OFFICIAL RECORDS BOOK
  - O.R.I. - OFFICIAL RECORD INSTRUMENT
  - P.R.M. - PERMANENT REFERENCE MONUMENT
  - # - NUMBER
  - R - RADIUS
  - Δ - DELTA ANGLE
  - A - ARC LENGTH
  - ± - EXISTING ELEVATION
  - - OAK TREE & APPROXIMATE DRIP LINE
  - ⊙ - PALM TREE & APPROXIMATE DRIP LINE

**DESCRIPTION**  
TRACT "LPA", LANGLEY PARK, A SUBDIVISION, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 34, PAGE 91 OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA.

SEC, TWP, RGE	35/35S/18E		
SURVEY BOOK NO.	54		
PROJECT NUMBER	404-6075580		
By	Checked	Date	
Surveyed	GFY	DO	10/8/09
Drawn	JSS	-	-
Designed	JSS	-	-

**NOTE:**  
THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR RIGHTS-OF-WAY SURVEY. THE LOCATION OF THE STREETS RIGHTS-OF-WAY LINES SHOWN IS APPROXIMATE AND IS BASED ON INFORMATION CONTAINED IN THE SUBDIVISION PLATS, RIGHTS-OF-WAY MAPS ON RECORD IN MANATEE COUNTY AND ON TOPOGRAPHIC DATA COLLECTED ON THE ROUTE SURVEY OF THE RIGHTS-OF-WAY. CONSEQUENTLY, THE RIGHTS-OF-WAY LINES SHOWN ARE NOT INTENDED TO INDICATE THE EXACT PROPERTY CORNERS.

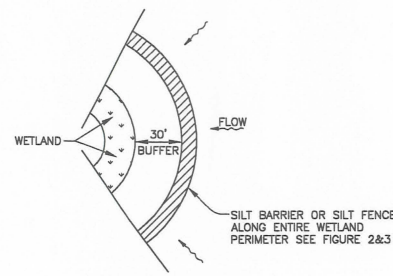
Wayne R. Troxler  
Professional Engineer  
No. 62204  
FLORIDA  
PUBLIC WORKS DEPT.-ENGINEERING DIVISION  
1022 26th Avenue East, Bradenton, FL 34208

NO.	REVISION	DESCRIPTION	BY	DATE

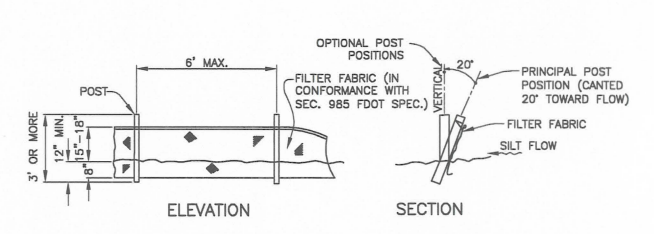
**LIFT STATION UPGRADES, 2010 GROUP 3  
EMERGENCY GENERATORS  
UNIVERSITY PARK (RTU 483)**

**LIFT STATION SITE**

Sheet 9 of 10

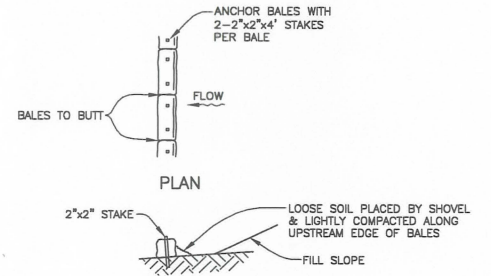


**WETLAND BUFFER**  
FIGURE 1

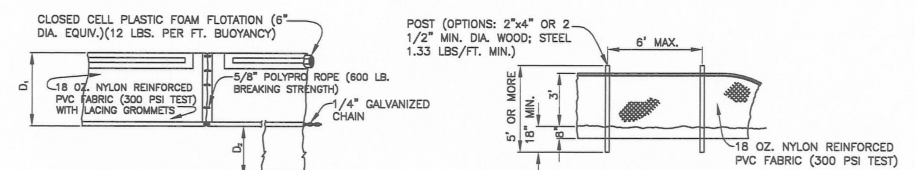


NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

**TYPICAL SILT FENCE**  
FIGURE 2



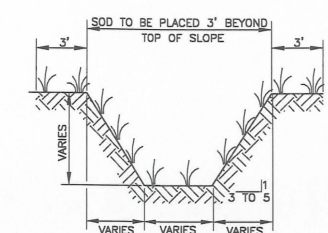
**TYPICAL BALE SILT BARRIER**  
FIGURE 3



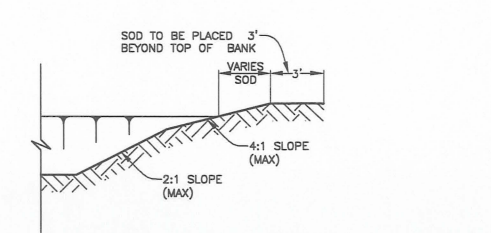
**FLOATING TURBIDITY BARRIERS**  
**STAKED TURBIDITY BARRIER**

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

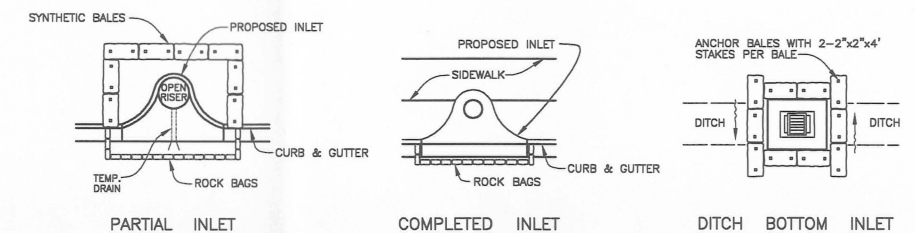
**TURBIDITY BARRIERS**  
FIGURE 4



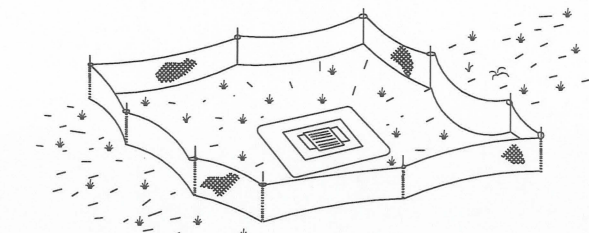
**TYPICAL SWALE SECTION**  
FIGURE 5



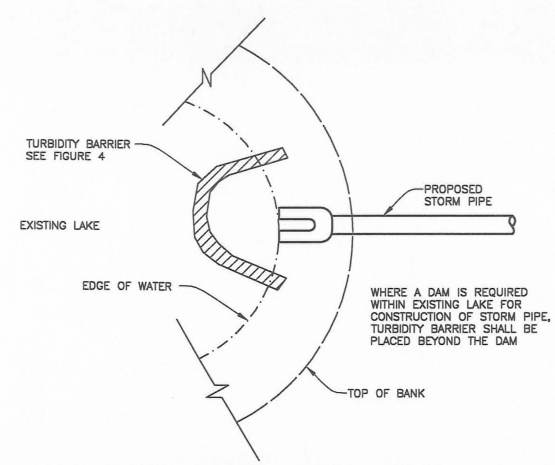
**TYPICAL RETENTION/DETENTION POND SECTION**  
FIGURE 6



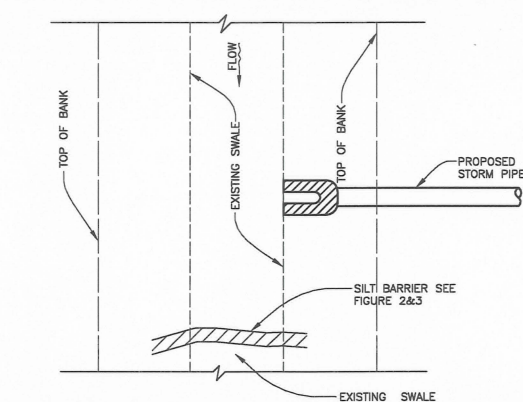
**SYNTHETIC BALE PROTECTION AROUND INLETS OR SIMILAR STRUCTURES**  
FIGURE 7



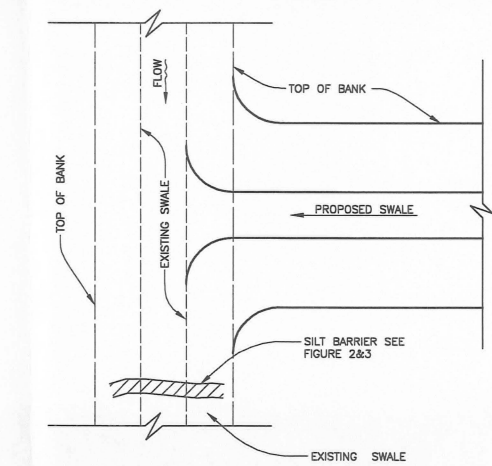
**TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS**  
**STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS**  
FIGURE 8



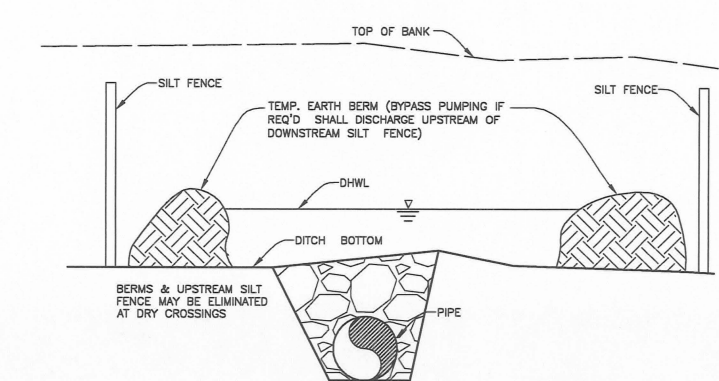
**TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE**  
FIGURE 9



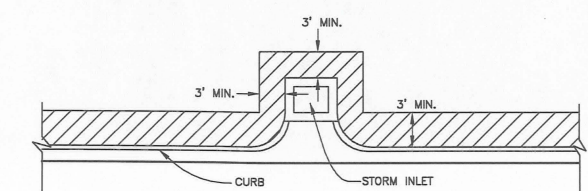
**SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE**  
FIGURE 10



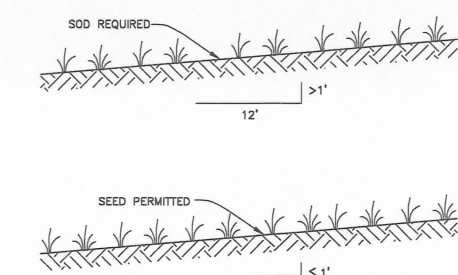
**SILT BARRIER AT CONNECTION OF SWALE TO EXISTING SWALE**  
FIGURE 11



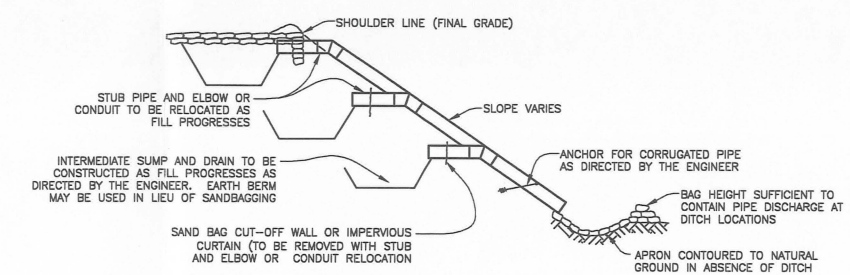
**UNDERGROUND PIPE CROSSING**  
FIGURE 12



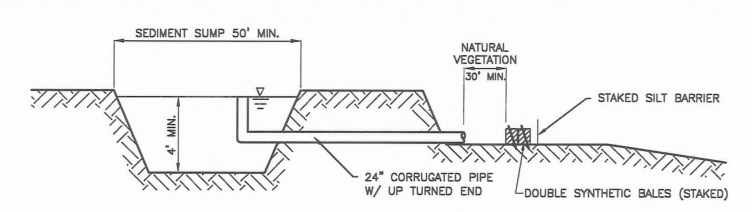
**SOD ALONG CURB AND AROUND INLET**  
FIGURE 14



**GRASS SLOPES**  
FIGURE 13



**SECTION AA**  
**TEMPORARY SLOPE DRAIN**  
FIGURE 15



**SEDIMENT SUMP SECTION**  
FIGURE 16

**NOTE:**  
**REFERENCE THE FDOT DESIGN STANDARDS LATEST EDITION FOR ALL TEMPORARY EROSION CONTROL MEASURES.**

SEC, TWP, RGE	35-34S-17E		
SURVEY BOOK NO.			
PROJECT NUMBER	VARIES		
	By	Checked	Date
Surveyed	MCS	JEA	11/24/09
Drawn	JEA	WRT	11/30/09
Designed	WRT	JEA	11/25/09

NOTE:  
THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR RIGHTS-OF-WAY SURVEY. THE LOCATION OF THE STREET RIGHTS-OF-WAY LINES SHOWN IS APPROXIMATE AND IS BASED ON INFORMATION CONTAINED IN THE SUBDIVISION PLATS, RIGHTS-OF-WAY MAPS ON RECORD IN MANATEE COUNTY AND ON TOPOGRAPHIC DATA COLLECTED ON THE ROUTE SURVEY OF THE RIGHTS-OF-WAY. CONSEQUENTLY THE RIGHTS-OF-WAY LINES SHOWN ARE NOT INTENDED TO INDICATE THE EXACT PROPERTY CORNERS.

WAYNE ROLAND TROXLER  
Engineer Reg. No. 2204  
MANATEE COUNTY FLORIDA  
1022 26th Avenue East, Bradenton, FL 34208

NO.	REVISION DESCRIPTION	BY	DATE

**LIFT STATION UPGRADES, 2010 GROUP 3**  
**EMERGENCY GENERATORS**  
**EROSION CONTROL**