

S:\P\W\Engineering\Share\Util Eng Design\PROJ\2013\SWF Proj\2013\SWF Proj - LS Upgrades\EGms\2013\EGms\Group C.dwg, 1/3/2014 3:23 PM Shea Shoun, 1:1, ANSI full bleed B (17.00 x 11.00 inches)



# MANATEE COUNTY, FLORIDA

## SATELLITE LIFT STATION R&R

### EMERGENCY GENERATORS 2013 GROUP C

#### 402-0019707- 5001308

DECEMBER 2013

MANATEE COUNTY, FLORIDA  
PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES

1022 26th Avenue East  
Bradenton, FL 34208

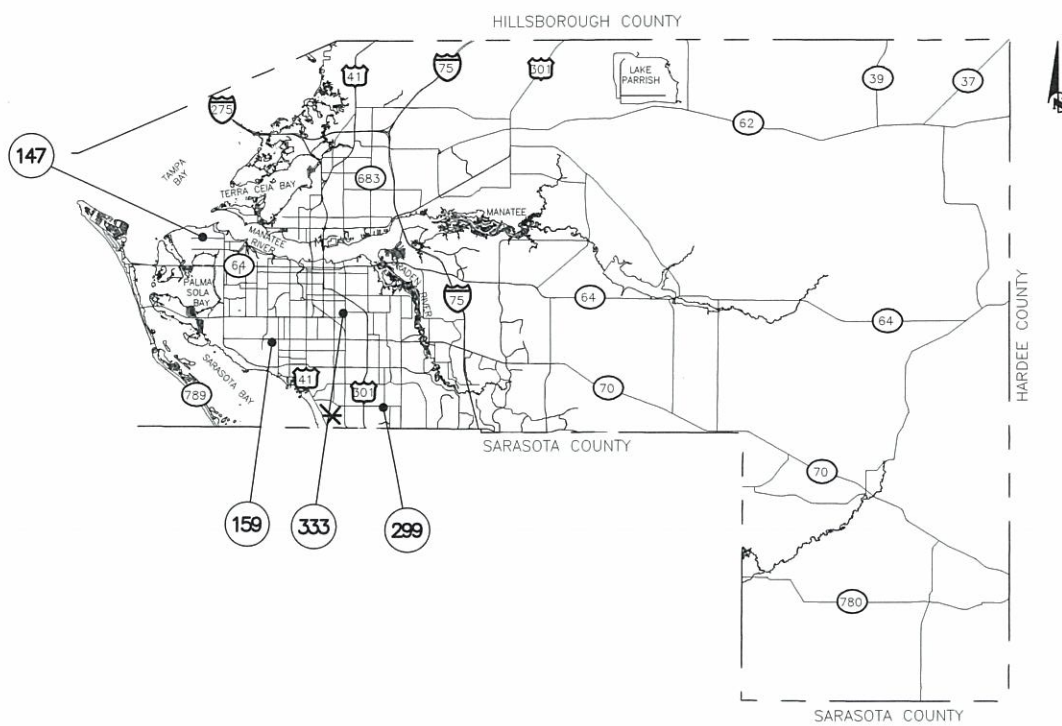
ORIGINAL SHEET SIZE: 11"X17"

SATELLITE LIFT STATION R&R  
EMERGENCY GENERATORS 2013 GROUP C  
COVER

100% PLANS

L.S.NAME/NO.	RTU#	ADDRESS	PROJECT JL NUMBER	GENERATOR TYPE	FIRE DISTRICT
30-EE	333	3831 11TH ST. E. BRADENTON, FL	5001388	DIESEL	SOUTHERN MANATEE
WINN DIXIE PLAZA	159	3534 53RD AVE. W. BRADENTON, FL	5011389	DIESEL	CEDAR HAMMOCK
KINNAN SCHOOL	299	3415 TALLEVAST RD. BRADENTON, FL	5001392	NATURAL GAS	SOUTHERN MANATEE
THE LOOP	147	9400 17TH AVE. NW. BRADENTON, FL	5001383	DIESEL	WEST MANATEE

LIFT STATION SITE VISITS MAY BE COORDINATED WITH NICK WAGNER (LIFT STATION SUPERINTENDENT), 941-755-1853 x5377



NO.	INDEX OF SHEETS
1.	COVER SHEET
2.	GENERAL NOTES & LEGEND
3.	30-EE, RTU 333
4.	WINN DIXIE PLAZA, RTU 159
5.	KINNAN SCHOOL, RTU 299
6.	THE LOOP, RTU 147
7.	DETAILS
8.	EROSION CONTROL

PER MCG LDC, 103.2.4.1: UTILITY INSTALLATIONS (EXCEPT SUBSTATIONS) ARE EXEMPT FROM THE REGULATIONS OF THE CODE.

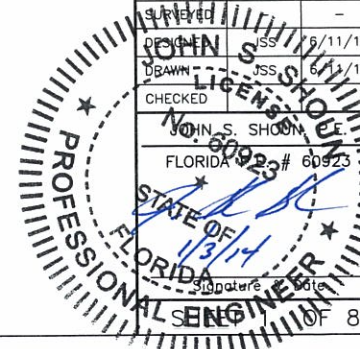
PER FL STATUTES, 403.087.5: CONSTRUCTION PERMITS NOT REQUIRED IF INSTALLATION IS IN RESPONSE TO NPDES REQUIREMENTS.

RULE 62-604.600(2)(F) FL ADMINSTRATIVE CODE: MODIFICATIONS TO LIFT STATIONS ASSOCIATED WITH ANCILLARY AND ELECTRICAL EQUIPMENT AND STRUCTURES ARE EXEMPT FROM FDEP CONSTRUCTION PERMITS.

FL STATE STATUES, FL 62-762, ABOVE GROUND DIESEL FUEL STORAGE TANKS EXEMPT IF UNDER 550 GALLONS.



Know what's below  
Call before you dig



NO.	DATE	BY	REVISION DESCRIPTION

PROJECT #	402-0019707-5001308
SURVEY #	-
SEC./TWN./RGE	-
SCALE	AS SHOWN

NO.	BY	DATE
DESIGNED	JSS	11/11/13
DRAWN	JSS	6/11/13
CHECKED	JOHN S. SHOUN	12/11/13
JOHN S. SHOUN FLORIDA # 60923		



GENERAL

- 1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION...
2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS...
3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS...

SAFETY

- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990...
10. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.

ENVIRONMENTAL

- 13. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION ALL SEDIMENT AND EROSION CONTROL (SEC) DEVICES (E.G., BARRIERS, SEDIMENT TRAPS/BASINS, VEGETATIVE BUFFERS, ETC.) AS SPECIFIED IN THE FINAL APPROVED PLANS FOR THE PROJECT...
14. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL"...

RIGHT-OF-WAY

- 23. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY/FDOT RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS...
24. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS...

- 29. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY DRIVEWAY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.
UTILITIES
30. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS...

- 61. ALL EXISTING MAINS THAT ARE BEING REPLACED SHALL BE ABANDONED IN PLACE UPON ACCEPTANCE AND ACTIVATION OF THE NEW MAINS...
62. WATER MAINS CROSSING OVER OR UNDER SANITARY SEWERS, FORCE MAINS, AND RECLAIMED WATER LINES SHALL BE LAID PER CURRENT EDITION OF "10 STATE STANDARDS"...

MANATEE COUNTY, FLORIDA PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES. Logo with Manatee County Florida seal and address: 1022 26th Avenue East Bradenton, FL 34208

ORIGINAL SHEET SIZE: 11"X17" SATELLITE LIFT STATION R&R EMERGENCY GENERATORS 2013 GROUP C GENERAL NOTES & LEGEND

CONTACTS

MANATEE COUNTY PUBLIC WORKS DEPT. UTILITY ENGINEERING... FLORIDA POWER & LIGHT DISTRIBUTION... FLORIDA GAS TRANSMISSION SAFETY HARBOR TEAM... PEACE RIVER ELECTRIC COOPERATIVE, INC. DEPARTMENT OF ENVIRONMENTAL PROTECTION

EXISTING

LEGEND

ABBREVIATIONS

Legend symbols for existing and proposed features: BENCH MARK, TREE, OAK TREE, PALM TREE, PINE TREE, CHAIN LINK FENCE, WOOD FENCE, BARBED WIRE FENCE, FORCE MAIN, POTABLE WATER, RECLAIMED WATER, SANITARY SEWER, STORM DRAIN, GAS LINE, OVERHEAD\_CABLE\_TV, BURIED\_CABLE\_TV, BURIED\_ELECTRIC, BURIED\_VERIZON, VERIZON, BURIED\_UTILITY, OVERHEAD\_UTILITY, RAIL ROAD TRACKS, EDGE OF CONCRETE, EDGE OF ROAD, TOE OF SLOPE, TOP OF BANK, PROPERTY LINE, RIGHT OF WAY.

Table with 5 columns: NO., REVISION DESCRIPTION, DATE, BY, and a rightmost column with PROJECT #, SURVEY #, SEC./TWN./RGE, SCALE, and a signature block for JOHN SHERIDAN, P.E. with date 6/13/13 and sheet number 8 of 8.

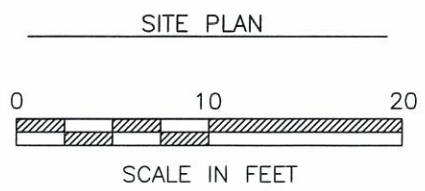
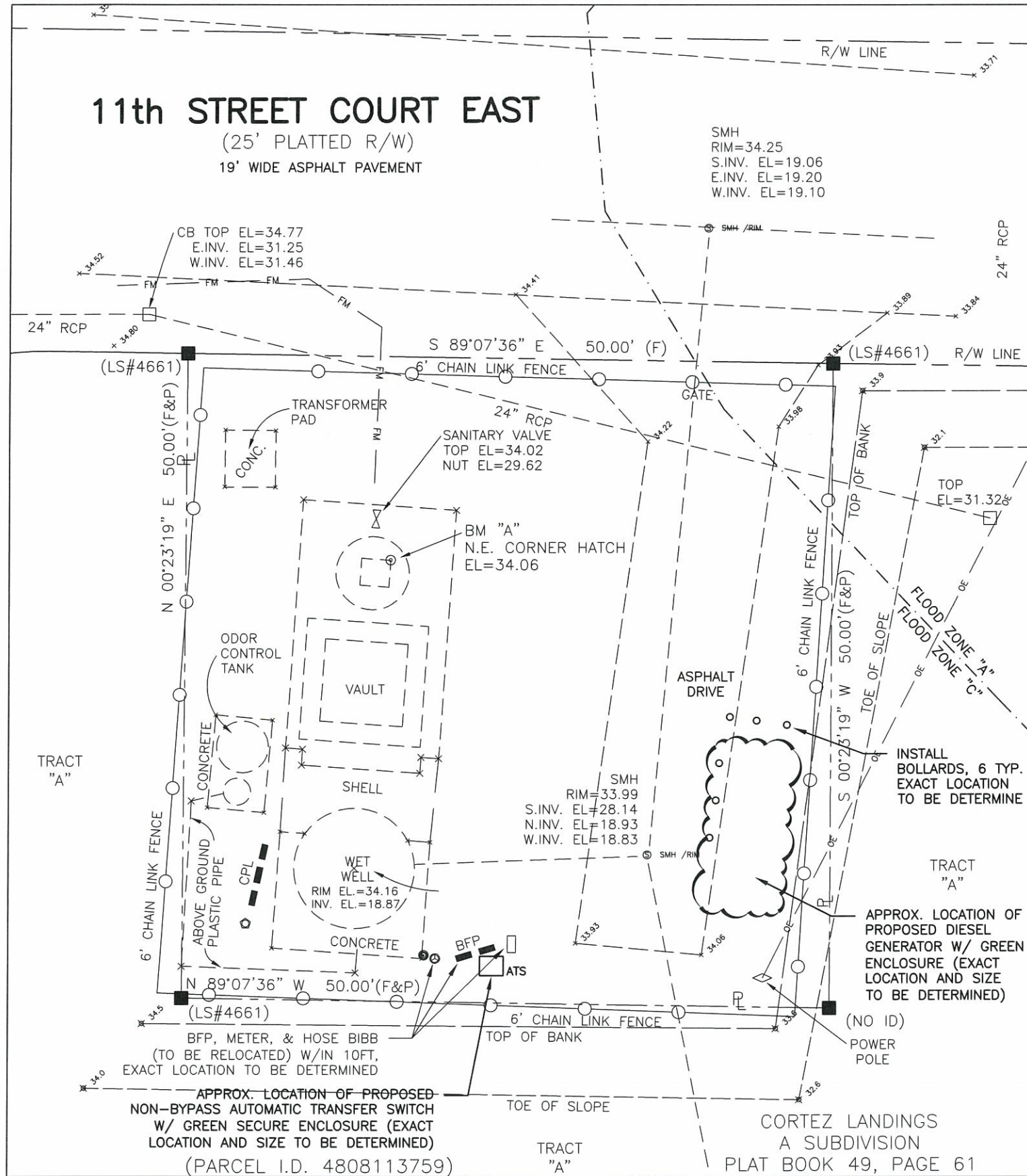
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# 11th STREET COURT EAST

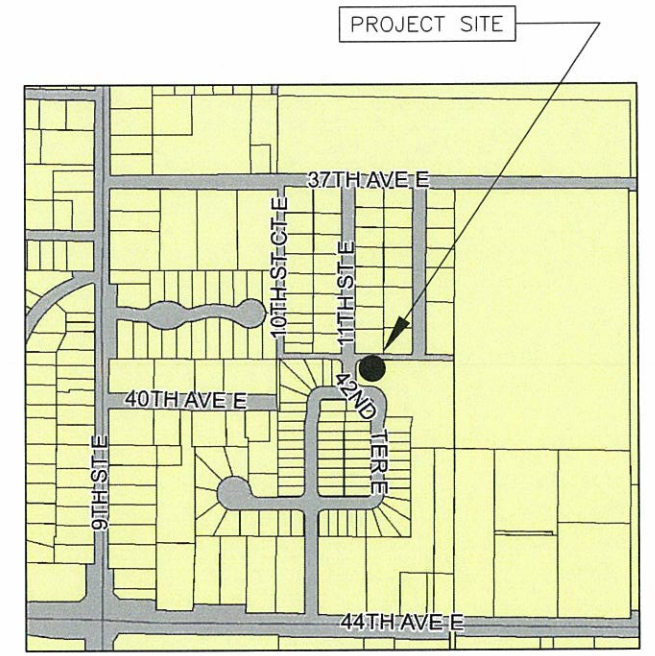
(25' PLATTED R/W)  
19' WIDE ASPHALT PAVEMENT

SMH  
RIM=34.25  
S.INV. EL=19.06  
E.INV. EL=19.20  
W.INV. EL=19.10



30-EE	
ITEM	VALUE
RTU	333
STREET ADDRESS	3831 11TH ST. E.
CITY	BRADENTON
FIRE DISTRICT	SOUTHERN MANATEE
NUMBER OF PUMPS	2
HORSE POWER/PUMP	10
PHASE	3
VOLTS	230
MODEL OF MAIN BREAKER	SD KAL36200
FLOOD ZONE	C & A

- SURVEY NOTES:**
- BEARINGS ARE BASED ON THE SOUTH PLATTED RIGHT OF WAY LINE OF NO NAME STREET, HAVING A BEARING OF S 89°07'36" E, AND ARE RELATED TO FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE) NAD 83/90 DERIVED FROM CONTROL MONUMENT MANATEE G. STROOP CORRS (DL7628).
  - THE PROPERTY LIES WITHIN FLOOD ZONES "C" & "A", AS SHOWN ON MANATEE COUNTY INSURANCE RATE MAP PANEL No. 120153 0333 B, REVISED MARCH 15, 1984, INDEX SHEET REVISED JUNE, 30, 1999.
  - ELEVATIONS ARE BASED ON N.G.V.D. 1929 DATUM, MANATEE COUNTY BENCH MARK "SWEET GUM 2009" (PID DM625), ELEVATION OF 17.18.



CONTRACTOR SHALL REFERENCE SECTION 16231 OF THE PROJECT SPECIFICATION FOR RECORD DRAWING REQUIREMENTS.



ORIGINAL SHEET SIZE: 11"X17"

**SATELLITE LIFT STATION R&R  
EMERGENCY GENERATORS 2013 GROUP C  
30-EE RTU 333**

NO.	REVISION DESCRIPTION	DATE

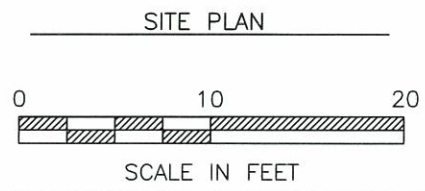
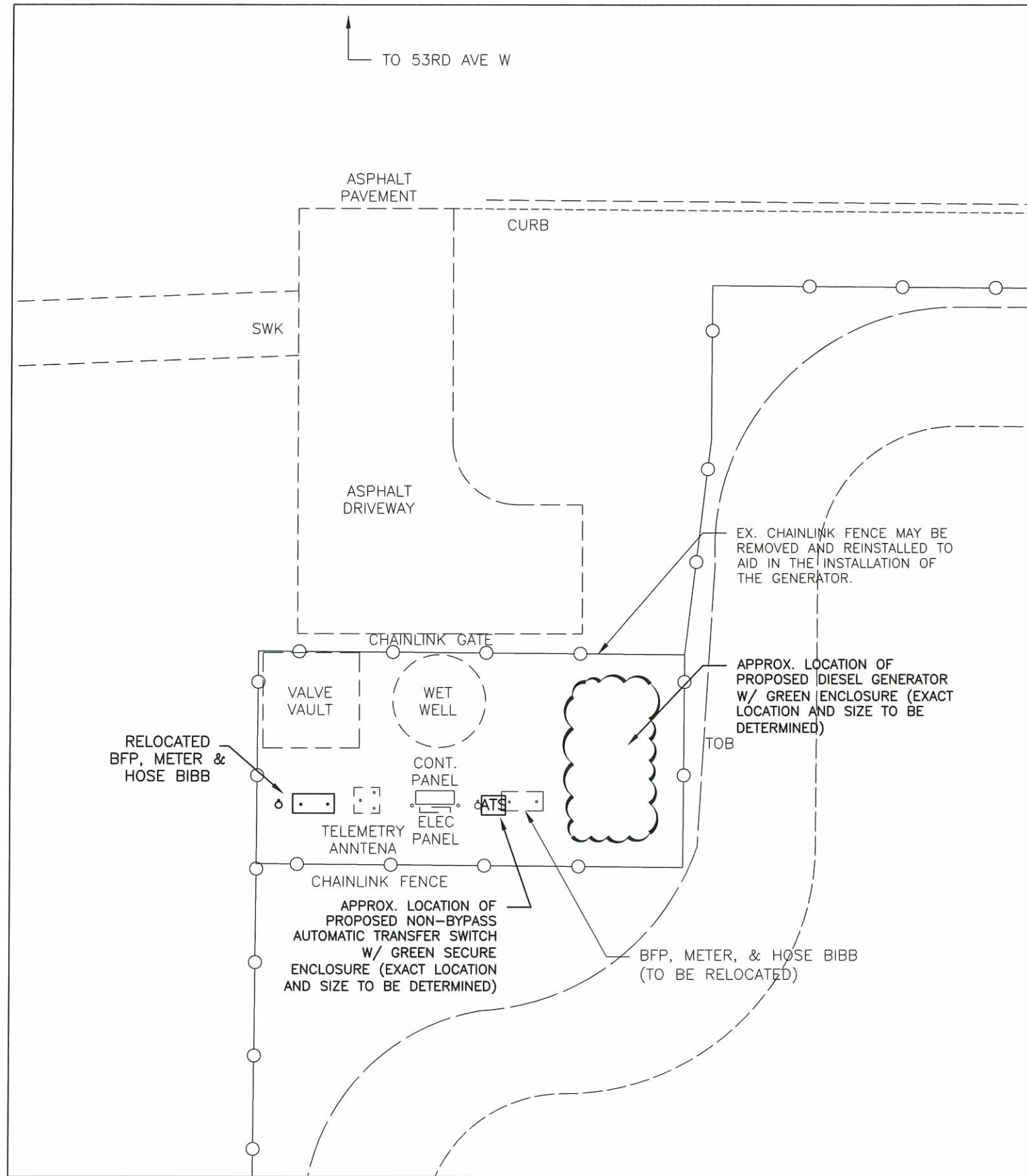
PROJECT # 402-0019707 / 5001308  
SURVEY #  
SEC./TWN./RGE  
SCALE AS SHOWN

BY DATE  
DESIGNED BY JOHN S. SHOUN, P.E. 11/13  
DRAWN BY JOHN S. SHOUN, P.E. 11/13  
CHECKED BY JOHN S. SHOUN, P.E. 11/13  
No. 60923  
JOHN S. SHOUN, P.E.  
FLORIDA P.E. # 4360923  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
SHEET 13 OF 18

30-EE, RTU 333, 3831 11TH ST. E.



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WINN DIXIE PLAZA	
ITEM	VALUE
RTU	159
STREET ADDRESS	3534 53RD AVE. W.
CITY	BRADENTON
FIRE DISTRICT	CEDAR HAMMOCK
NUMBER OF PUMPS	2
HORSE POWER/PUMP	10
PHASE	3
VOLTS	230
MODEL OF MAIN BREAKER	SD QOU3100
FLOOD ZONE	C

CONTRACTOR SHALL REFERENCE SECTION 16231 OF THE PROJECT SPECIFICATION FOR RECORD DRAWING REQUIREMENTS.

1. THIS IS A SKETCH OF THE PROJECT AREA AND IS NOT A SURVEY. A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF FLORIDA SHALL BE REQUIRED TO PREPARE RECORD DRAWINGS OF THE PLACEMENT OF THE GENERATOR, ATS, AND UNDERGROUND CONDUIT INSTALLED ON THE LIFT STATION SITE.
2. USERS OF THIS DRAWING UNDERSTAND THAT ALL ITEMS ARE CONSIDERED APPROXIMATE. ALL HORIZONTAL AND VERTICAL DISTANCES AND MEASUREMENTS SHALL BE FIELD VERIFIED PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. ALL MEASUREMENTS AND CALCULATIONS SHALL BE THE RESPONSIBILITY OF THE AWARDED CONTRACTOR.
3. ANY ELECTRICAL WIRING THAT IS INSTALLED BETWEEN THE LIFT STATION'S WET WELL, VALVE VAULT, AND/OR METER VAULT SHALL BE INSTALLED IN A CARRIER PIPE THAT IS STRAPPED TO THE STRUCTURE.
4. THE CAPACITY OF THE DIESEL FUEL TANK SHALL BE SIZED TO THE MINIMAL FOOTPRINT & 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.
5. THE OVERALL FUEL SYSTEM IS TO COMPLY WITH ALL APPLICABLE NFPA REGULATIONS AS WELL AS THOSE REQUIRED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION. THIS INCLUDES NFPA COMPLIANT LABELS FOR THE FUEL SHUT-OFF LOCATION AND APPLICATIONS OF DIESEL HAZMAT SYMBOL STICKERS.
6. CONTRACTOR SHALL TRIM EXISTING VEGETATION BACK TO THE FENCE LINE AS REQUIRED TO ALLOW THE NECESSARY CLEARANCE FOR PROPER OPERATION OF THE GENERATOR AND SHALL OBTAIN ANY PERMITS NECESSARY.
7. CONTRACTOR SHALL REMOVE ALL VEGETATION FROM THE FOOTPRINT OF THE PROPOSED GENERATOR PAD AND PROVIDE A LEVEL COMPACTED AREA FOR THE INSTALLATION OF THE CONCRETE PAD.



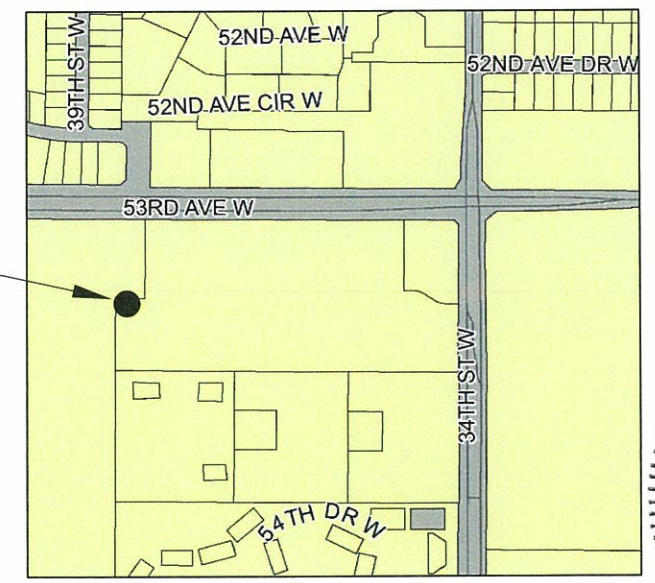
ORIGINAL SHEET SIZE: 11"X17"

SATELLITE LIFT STATION R&R  
EMERGENCY GENERATORS 2013 GROUP C  
WINN DIXIE PLAZA RTU 159

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	402-0019707 / 5001308
SURVEY #	-
SEC./TWN./RGE	-
SCALE	AS SHOWN

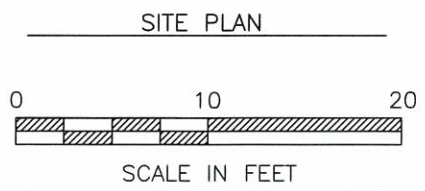
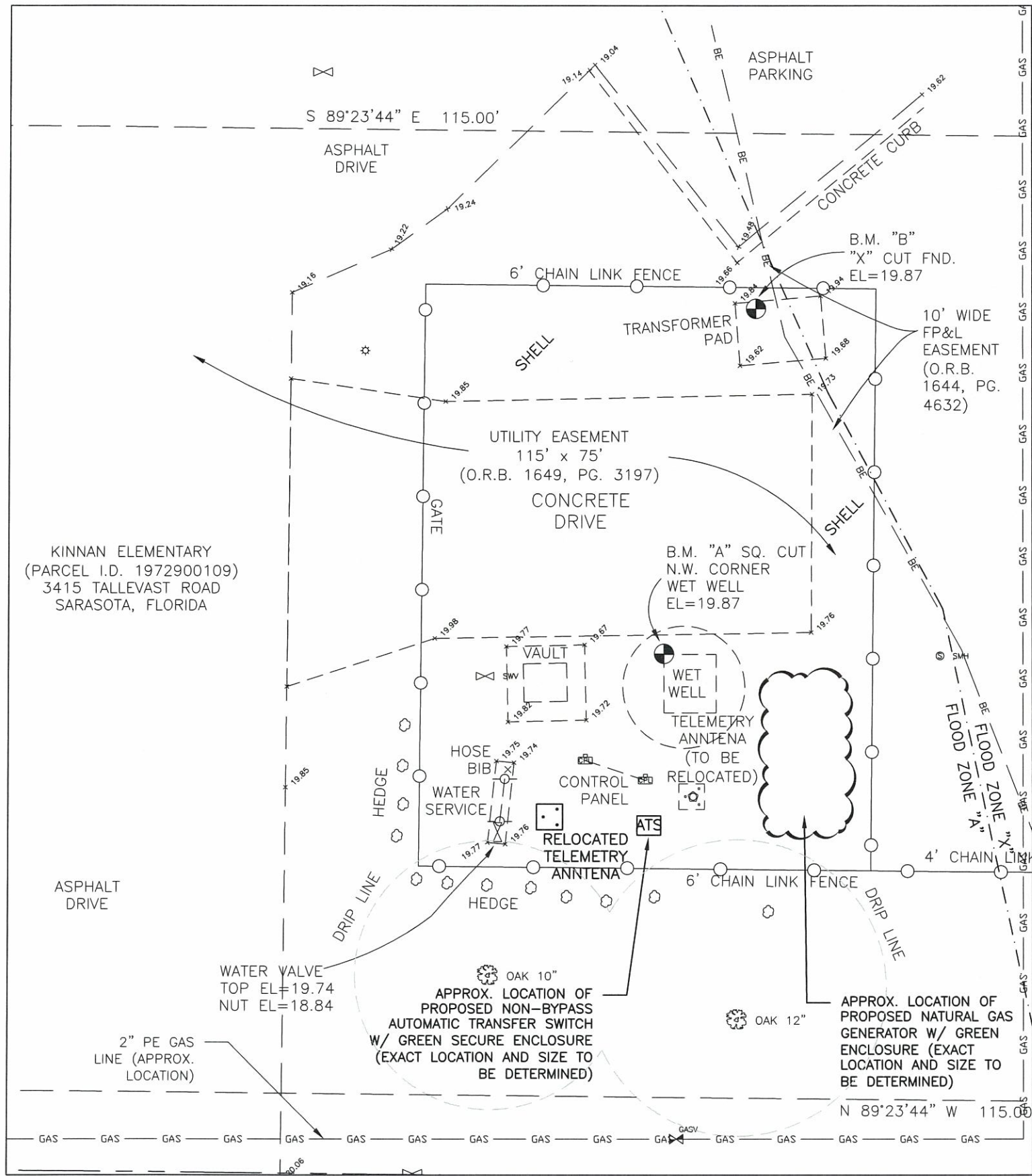
DRAWN BY: JOHN S. SHOUN, PE  
 CHECKED BY: JOHN S. SHOUN, PE  
 FLORIDA P.E. # 60923  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER



WINN DIXIE PLAZA, RTU 159, 3534 53RD AVE. W.



S:\PMD-Engineering\Share\Util\_Eng\_Design\PROJECTS\811\_SWR\_Proj\San\_Svr - LS Upgrades\Edema\2013\_Edema\Group\_C\dwg5 Kinnan\_299\_1/3/2014\_3:23 PM Sheo Shoun, L1, ANSI full bleed B (17.00 x 11.00 inches)



KINNAN SCHOOL	
ITEM	VALUE
RTU	299
STREET ADDRESS	3415 TALLEVAST RD.
CITY	BRADENTON
FIRE DISTRICT	SOUTHERN MANATEE
NUMBER OF PUMPS	2
HORSE POWER/PUMP	4.7
PHASE	3
VOLTS	230
MODEL OF MAIN BREAKER	SD Q2L3150
FLOOD ZONE	X & A

CONTRACTOR SHALL REFERENCE SECTION 16231 OF THE PROJECT SPECIFICATION FOR RECORD DRAWING REQUIREMENTS.

1. A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF FLORIDA SHALL BE REQUIRED TO PREPARE RECORD DRAWINGS PER THE REQUIREMENTS OF THE PROJECT SPECIFICATION FOR THE CONCRETE PAD, GENERATOR, ATS, AND UNDERGROUND CONDUIT INSTALLED IN THE LIFT STATION SITE.
  2. ALL HORIZONTAL AND VERTICAL DISTANCES AND MEASUREMENTS SHALL BE FIELD VERIFIED PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. ALL MEASUREMENTS AND CALCULATIONS SHALL BE THE RESPONSIBILITY OF THE AWARDED CONTRACTOR.
  3. ANY ELECTRICAL WIRING THAT IS INSTALLED BETWEEN THE LIFT STATION'S WET WELL, VALVE VAULT, AND/OR METER VAULT SHALL BE INSTALLED IN A CARRIER PIPE THAT IS STRAPPED TO THE STRUCTURE.
  4. THE CAPACITY OF THE DIESEL FUEL TANK SHALL BE SIZED TO THE MINIMAL FOOTPRINT & 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.
  5. THE OVERALL FUEL SYSTEM IS TO COMPLY WITH ALL APPLICABLE NFPA REGULATIONS AS WELL AS THOSE REQUIRED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION. THIS INCLUDES NFPA COMPLIANT LABELS FOR THE FUEL SHUT-OFF LOCATION AND APPLICATIONS OF DIESEL HAZMAT SYMBOL STICKERS.
  6. NATURAL GAS SERVICE TO BE INSTALLED IN A CARRIER PIPE AND STRAPPED TO THE VALVE VAULT OR WET WELL, IF PASSING OVER FORCE MAIN OR DISCHARGE PIPING.
  7. CONTRACTOR SHALL INSTALL NATURAL GAS SERVICE FROM PROPOSED GENERATOR TO NATURAL GAS METER/BALL VALVE PROVIDED BY TECO. CONTRACTOR SHALL REMOVE PLUG AT NATURAL GAS METER/BALL VALVE AND CONNECT TO NATURAL GAS SERVICE PROVIDED BY TECO.
  8. COUNTY WILL APPLY AND PAY FOR GAS SERVICE TO SITE BOUNDARY, BUT THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE COUNTY LIFT STATION SUPERINTENDENT AND TECO FOR INSTALLATION OF GAS LINE AND METER LOCATION ON THE SITE. ROUTE AND DEPTH OF GAS LINE AND METER LOCATION AND GAS LINE SUPPORT ON SITE SHALL BE SUBJECT TO COUNTY, TECO, AND OTHER REGULATIONS.
  9. L.S. KINNAN ELEMENTARY IS MOSTLY LOCATED IN A FLOOD ZONE "A" WITH A BASE FLOOD ELEVATION OF 21.80 NGVD. THE BASE OF GENERATOR AND BOTTOM OF ATS SHALL BE ABOVE THE FLOOD PROTECTION ELEVATION\* OF 22.80 NGVD. A FLOOD REVIEW & ELEVATION CERTIFICATE PREPARED BY A LICENSED SURVEYOR IN THE STATE OF FLORIDA WILL BE REQUIRED FOR THIS LIFT STATION SITE.
- \*THE BASE FLOOD ELEVATION IS DETERMINED BY ADDING 2 FEET TO THE SURVEYED EXISTING GROUND ADJACENT TO THE STRUCTURE/ITEM. THE FLOOD PROTECTION ELEVATION IS DETERMINED BY ADDING 1 FT TO THE BASE FLOOD ELEVATION.

PROJECT SITE



KINNAN SCHOOL, RTU 299, PROSPECT & TALLEVAST



ORIGINAL SHEET SIZE: 11"X17"

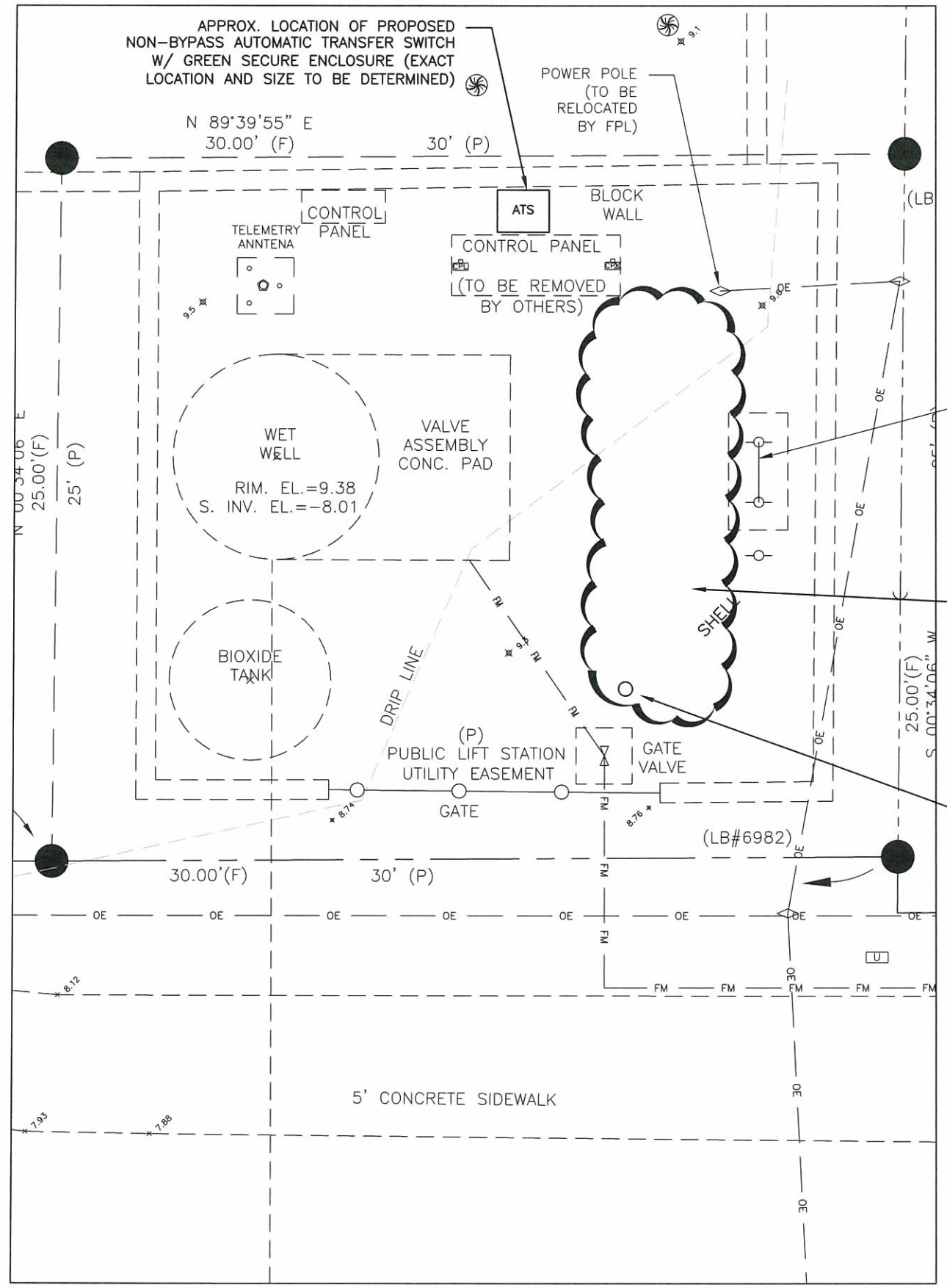
SATELLITE LIFT STATION R&R  
EMERGENCY GENERATORS 2013 GROUP C  
KINNAN SCHOOL RTU 299

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	402-0019707 / 5001308
SURVEY #	-
SEC./TWN./RGE	-
SCALE	AS SHOWN
DESIGNED BY	JOHN S. SHOUN
DESIGNED DATE	1/3/2014
DRAWN BY	JSS
CHECKED	No. 60923
DATE	1/3/2014
PROFESSIONAL ENGINEER	JOHN S. SHOUN, P.E.
STATE OF FLORIDA	P.E. # 60923
SHEET	5 OF 8



S:\PMD\_Engineering\_Share\Util Eng Design\PROJECT\SAN SWR Proj\Ser - LS Upgrades\Egema\2013 Egema\Group C\dwg\6 Loop 147 1/2/2014 3:23 PM Shao Shoun, L1, ANSB Full Sheet B (17.00 x 11.00 inches)



THE LOOP	
ITEM	VALUE
RTU	147
STREET ADDRESS	9400 17TH AVE. NW
CITY	BRADENTON
FIRE DISTRICT	WEST MANATEE
NUMBER OF PUMPS	2
HORSE POWER/PUMP	7.5
PHASE	3
VOLTS	230
MODEL OF MAIN BREAKER	SD QOU3100
FLOOD ZONE	A11

BFP, METER, & HOSE BIB ASSEMBLY (TO BE RELOCATED) W/IN 12 FT, EXACT LOCATION TO BE DETERMINED

APPROX. LOCATION OF PROPOSED DIESEL GENERATOR W/ GREEN ENCLOSURE (EXACT LOCATION AND SIZE TO BE DETERMINED)

INSTALL BOLLARDS, 1 TYP. EXACT LOCATION TO BE DETERMINE

CONTRACTOR SHALL REFERENCE SECTION 16231 OF THE PROJECT SPECIFICATION FOR RECORD DRAWING REQUIREMENTS.

1. A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF FLORIDA SHALL BE REQUIRED TO PREPARE RECORD DRAWINGS PER THE REQUIREMENTS OF THE PROJECT SPECIFICATION FOR THE CONCRETE PAD, GENERATOR, ATS, AND UNDERGROUND CONDUIT INSTALLED IN THE LIFT STATION SITE.
2. ALL HORIZONTAL AND VERTICAL DISTANCES AND MEASUREMENTS SHALL BE FIELD VERIFIED PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. ALL MEASUREMENTS AND CALCULATIONS SHALL BE THE RESPONSIBILITY OF THE AWARDED CONTRACTOR.
3. ANY ELECTRICAL WIRING THAT IS INSTALLED BETWEEN THE LIFT STATION'S WET WELL, VALVE VAULT, AND/OR METER VAULT SHALL BE INSTALLED IN A CARRIER PIPE THAT IS STRAPPED TO THE STRUCTURE.
4. DUE TO THE CONSTRAINTS OF THIS LIFT STATION, THE CAPACITY OF THE DIESEL FUEL TANK SHALL BE SIZED TO THE MAXIMUM ALLOWABLE FOOTPRINT & HEIGHT TO RUN THE GENERATOR CONTINUOUSLY UP TO 96 HOURS AT 75% LOAD AS INDICATED IN THE SPECIFICATIONS. HOWEVER, THE DIESEL FUEL TANK SHALL NOT EXCEED 540 GALLONS. THIS LIFT STATION MAY BE CANCELED DEPENDING ON THE RESULTS FROM THE GENERATOR SUPPLIERS.
5. THE OVERALL FUEL SYSTEM IS TO COMPLY WITH ALL APPLICABLE NFPA REGULATIONS AS WELL AS THOSE REQUIRED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION. THIS INCLUDES NFPA COMPLIANT LABELS FOR THE FUEL SHUT-OFF LOCATION AND APPLICATIONS OF DIESEL HAZMAT SYMBOL STICKERS.
6. THE ENCLOSURE FOR THE THIS GENERATOR SHALL BE DESIGNED WITH REMOVABLE PANELS TO PROVIDE ACCESS FOR MAINTENANCE AND REPAIRS.
7. CONTRACTOR SHALL TRIM EXISTING VEGETATION BACK AS REQUIRED TO ALLOW THE NECESSARY CLEARANCE FOR PROPER OPERATION OF THE GENERATOR AND SHALL OBTAIN ANY PERMITS NECESSARY.
8. L.S. THE LOOP IS LOCATED IN A FLOOD ZONE "A11" WITH A BASE FLOOD ELEVATION OF 10.00 NGVD. THE RIM OF THE DIESEL FUEL CAP, BASE OF GENERATOR, AND BOTTOM OF ATS SHALL BE ABOVE THE FLOOD PROTECTION ELEVATION OF 11.00 NGVD. A FLOOD REVIEW & ELEVATION CERTIFICATE PREPARED BY A LICENSED SURVEYOR IN THE STATE OF FLORIDA WILL BE REQUIRED FOR THIS LIFT STATION SITE.

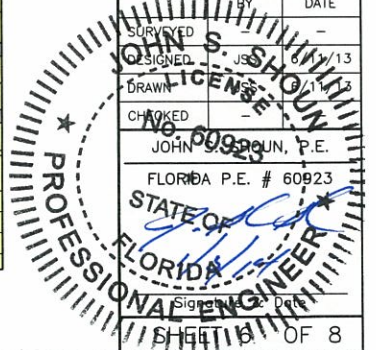
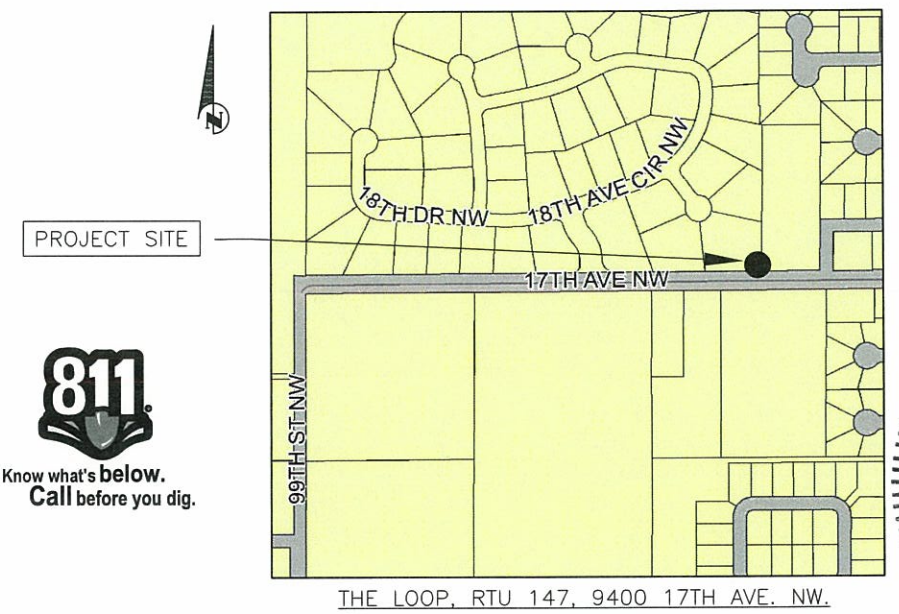
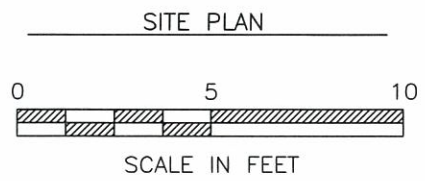


ORIGINAL SHEET SIZE: 11"X17"

**SATELLITE LIFT STATION R&R  
EMERGENCY GENERATORS 2013 GROUP C  
THE LOOP RTU 147**

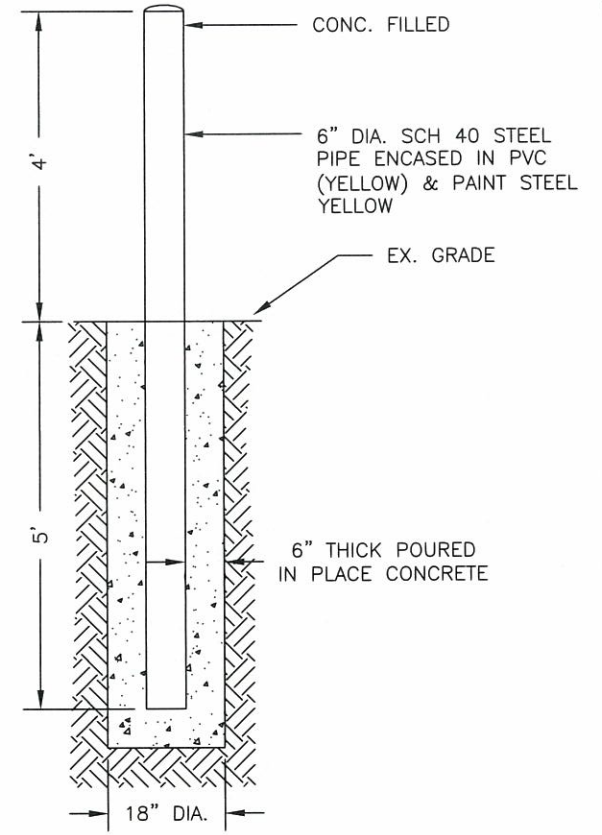
NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	402-0019707 / 5001308
SURVEY #	-
SEC./TWN./RGE	-
SCALE	AS SHOWN
DESIGNED BY	DATE
DESIGNED	JOHN S. SHOUN / 13
DRAWN	11/12
CHECKED	NO 60923
JOHN S. SHOUN, P.E.	
FLORIDA P.E. # 60923	
STATE OF FLORIDA	
PROFESSIONAL ENGINEER	



S:\PMD\_Engineering\_Share\Util\_Eng\_Design\PROJ\SWR\_Proj\San\_Ser - LS\_Upgrade\Egens\2013\_Egens\Group\_C\dwg\_7\_Details\_1/17/2013\_3:23 PM\_Series\_Shown, 1:1, ANSI Full bleed B (17.00 x 11.00 inches)

COORDINATE BOLLARD LOCATIONS WITH  
LIFT STATION SUPERINTENDENT



TYPICAL BOLLARD DETAIL  
N.T.S.



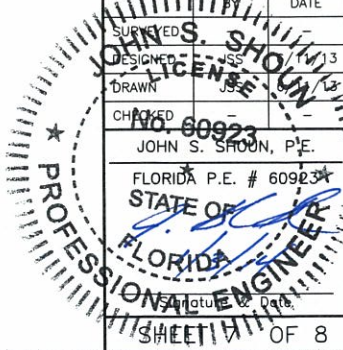
ORIGINAL SHEET SIZE: 11" X 17"

**SATELLITE LIFT STATION R&R  
EMERGENCY GENERATORS 2013 GROUP C  
DETAILS**

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	402-0019707-5001308
SURVEY #	-
SEC./TWN./RGE	-
SCALE	AS SHOWN

SURVEYED	BY	DATE
DESIGNED	BY	DATE
DRAWN	BY	DATE
CHECKED	BY	DATE
JOHN S. SHOON, P.E.		



FLORIDA P.E. # 60923  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER



