

MANATEE COUNTY, FLORIDA

LIFT STATION UPGRADES, 2008

EMERGENCY GENERATORS

GROUP A (1, 2, 3, 4 and 6)

402.0019707

NOVEMBER 2008

#	L.S.NAME/NO.	RTU #	ADDRESS
1	40-A	429	3550 63RD. AVE. E.
2	LAKWOOD RANCH RIVERWALK	602	7035 HONEYSUCKLE TRAIL
3	GREENBROOK 2	620	13324 ADVENTURE PLACE
4	MOTE RANCH 1	478	7000 BLOCK, OLD FARM RD.
6	14-A	434	902 WHITFIELD AVE.

NO.	INDEX OF SHEETS
1	COVER SHEET
2	GENERAL NOTES
3-5	LIFT STATION SITES
6	EROSION CONTROL

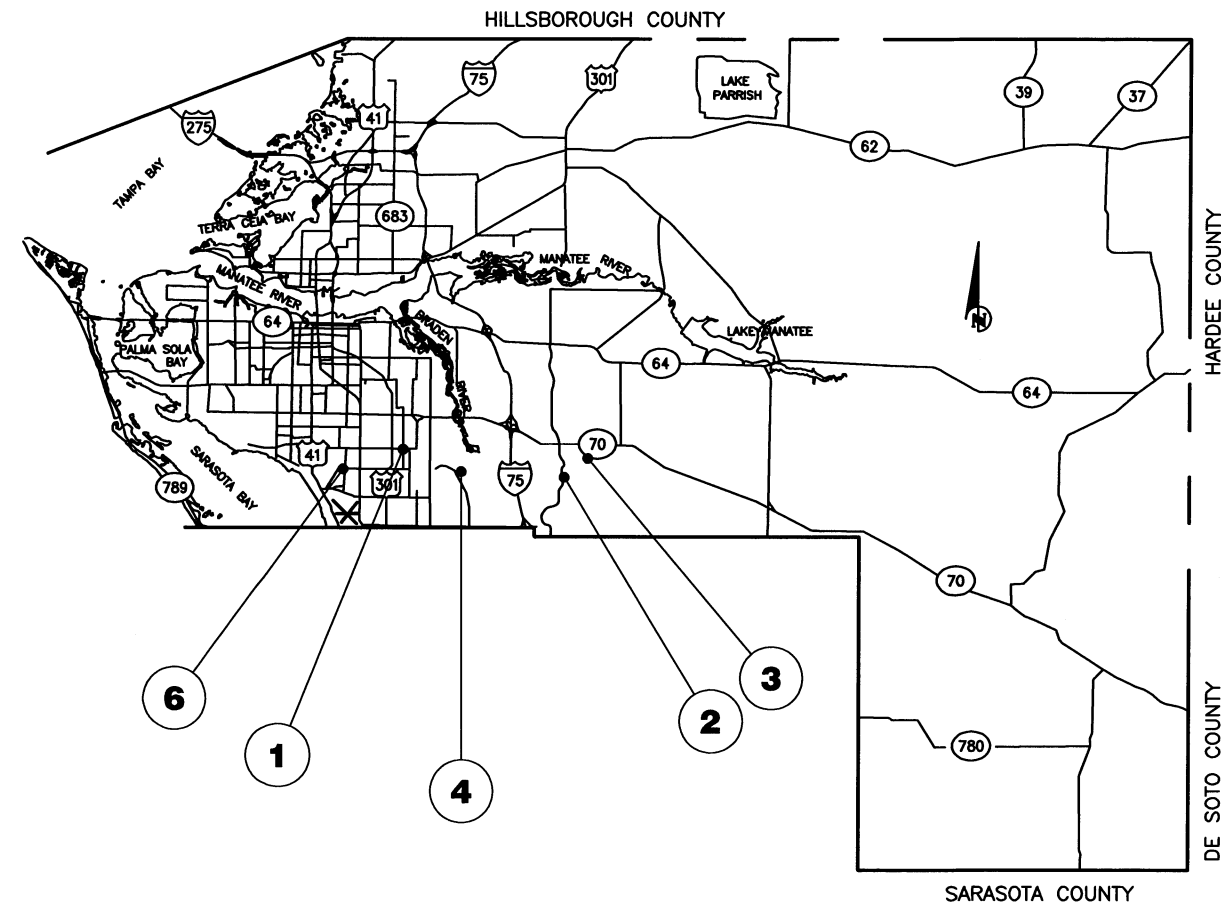
Per MCG LDC, 103.2.4.1: Utility Installations (except substations) are exempt from the regulations of the code.

Per FL Statutes, 403.087.5: Construction Permits not required if installation is in response to NPDES requirements.

FL State Statues, FL 62-762, Above ground diesel fuel storage tanks exempt if under 550 gallons

PROJECT DESCRIPTION

THIS IS A DESIGN BUILD CONTRACT TO INSTALL EMERGENCY GENERATORS AT SELECTED LIFT STATIONS IN ORDER TO MAINTAIN CONTINUOUS OPERATION IN THE EVENT THAT THE PRIMARY POWER SOURCE IS NOT AVAILABLE. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, DETAILED DESIGN AND RECORD DRAWINGS.



SEC, TWP, RGE	NO.	REVISION DESCRIPTION	BY	DATE
SURVEY BOOK NO.				
PROJECT NUMBER 402.0019707				
By	Checked	Date		
Surveyed				
Drawn				
Designed				

Wayne R. Troxler/62240
 Engineer / Reg. No.

 2/19/09
 Date

PUBLIC WORKS DEPT.-ENGINEERING DIVISION

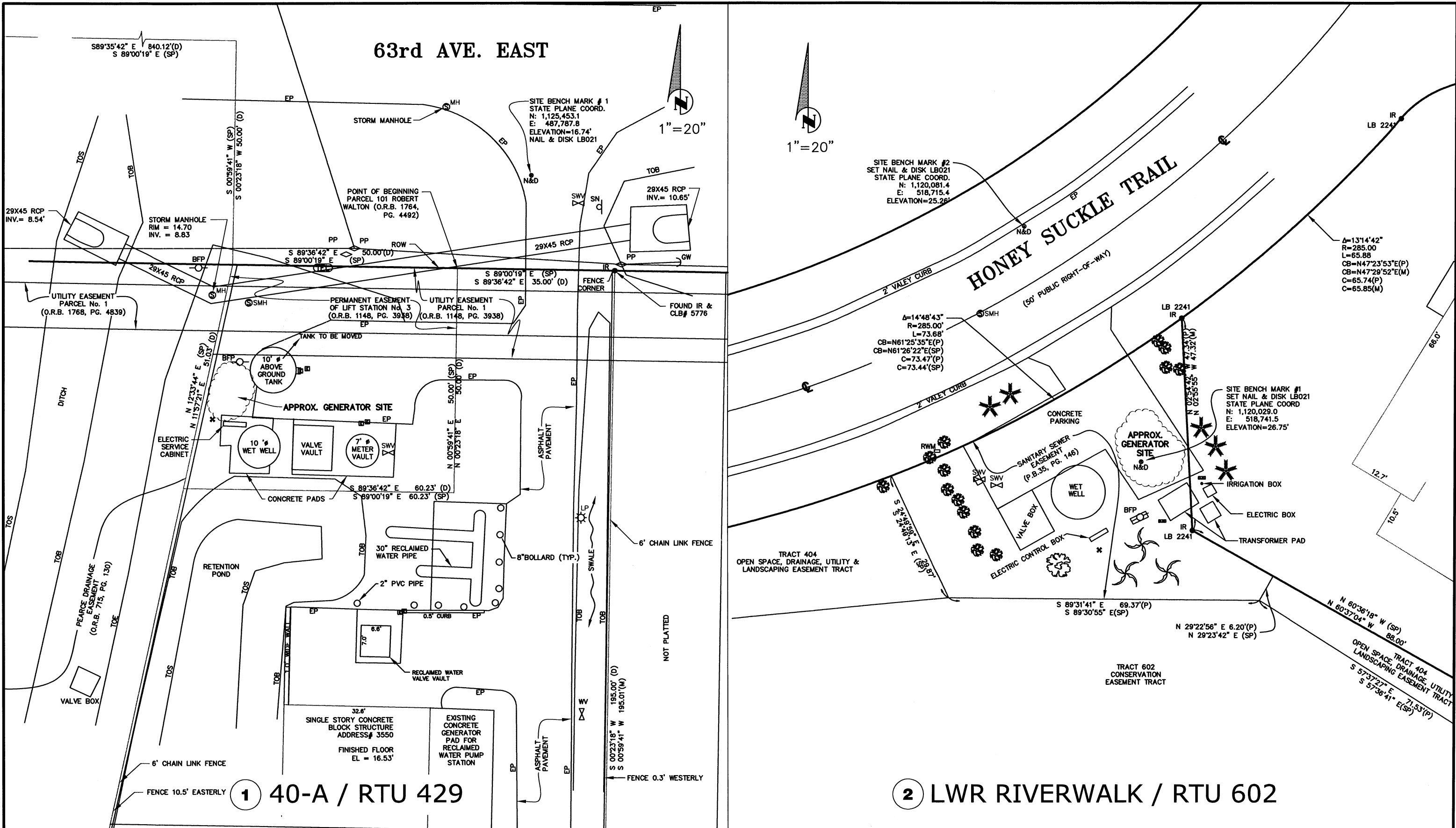
 4422-B 66th Street West, Bradenton, FL 34210

COVER SHEET

**LIFT STATION UPGRADES, 2008
EMERGENCY GENERATORS**

Sheet
1
6


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SEC, TWP, RGE	NO.	REVISION DESCRIPTION	BY	DATE
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PROJECT NUMBER 402.0019707				
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Surveyed				
Drawn BLR		DECEMBER 3, 2007		
Designed				

Wayne R. Troxler/62240
 Engineer / Reg. No.
Wayne R. Troxler
 1/29/09
 Date

PUBLIC WORKS DEPT.-ENGINEERING DIVISION

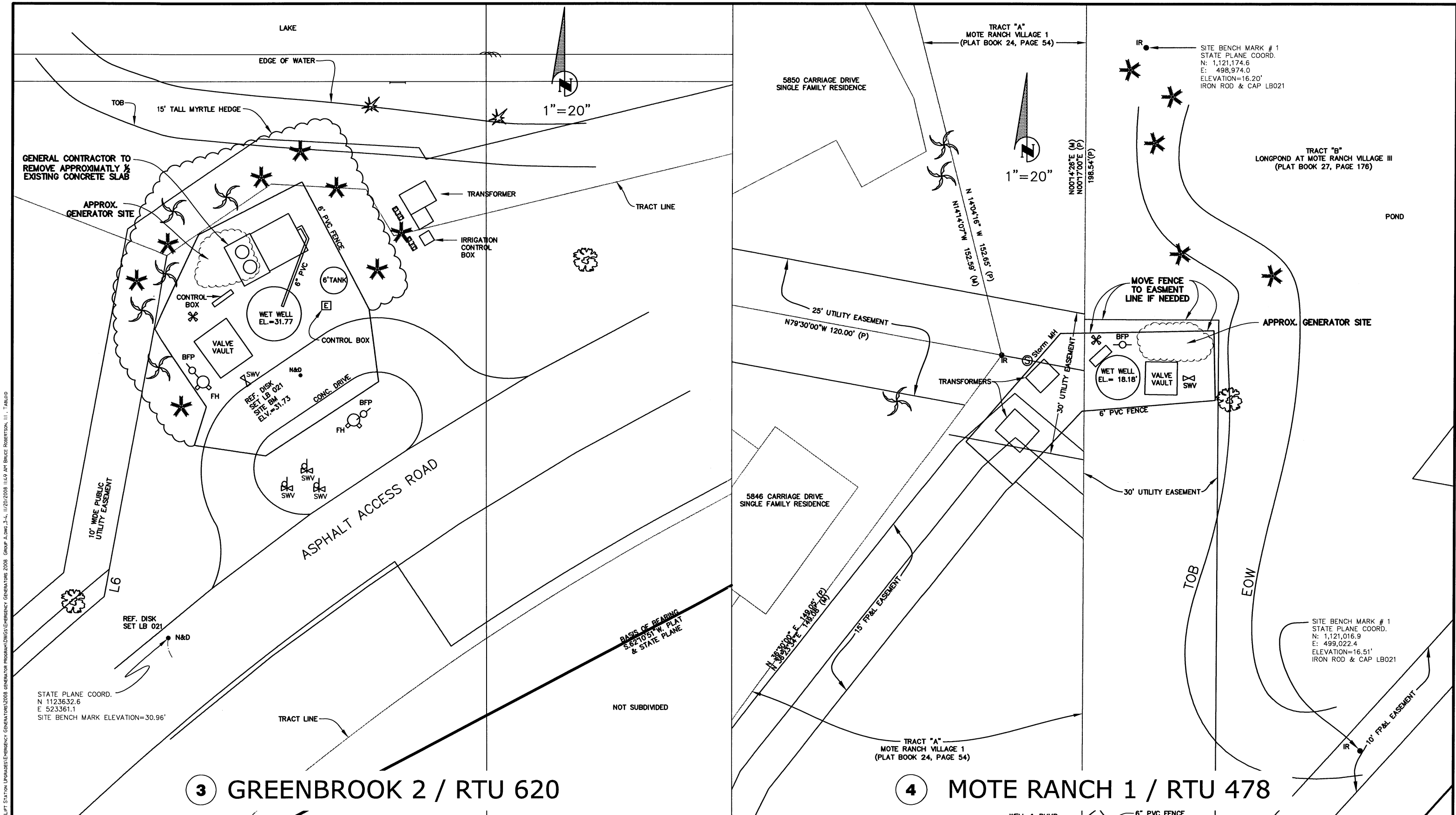


4422-B 66th Street West, Bradenton, FL 34210

**LIFT STATION
SITE MAPS**

**LIFT STATION UPGRADES, 2008
EMERGENCY GENERATORS**

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3 GREENBROOK 2 / RTU 620

4 MOTE RANCH 1 / RTU 478

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Surveyed				
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Wayne R. Troxler/62240
 Engineer / Reg. No.
Wayne R. Troxler
 1/28/09
 Date

PUBLIC WORKS DEPT.-ENGINEERING DIVISION



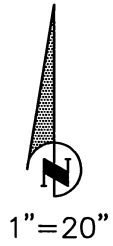
4422-B 66th Street West, Bradenton, FL 34210

LIFT STATION SITE MAPS

LIFT STATION UPGRADES, 2008 EMERGENCY GENERATORS

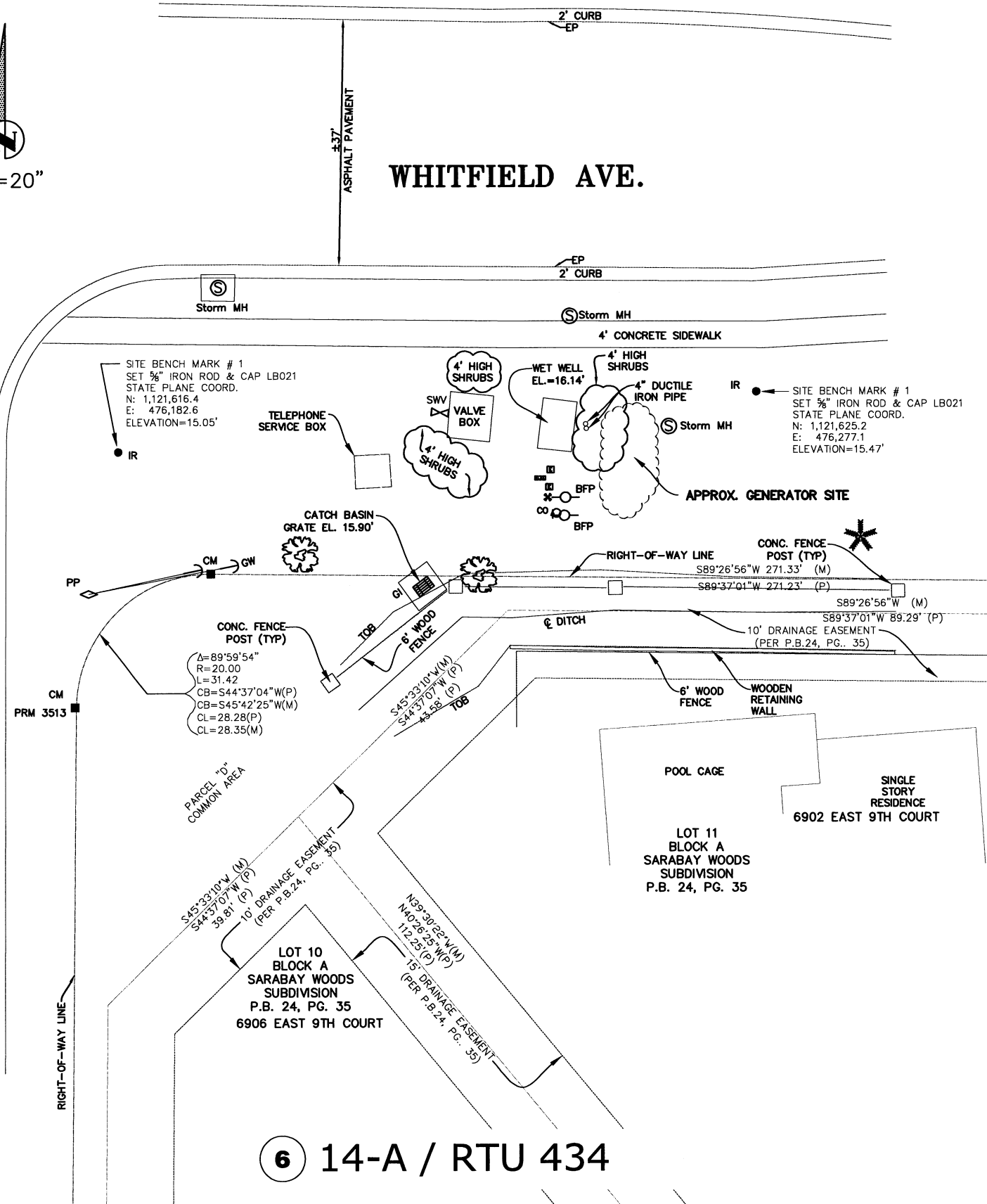
Sheet 4 / 6

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WHITFIELD AVE.


9th. St. EAST



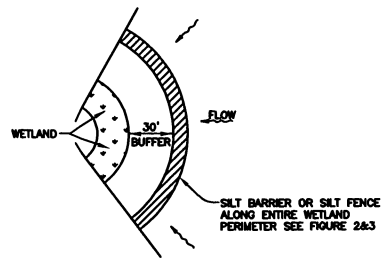
6 14-A / RTU 434

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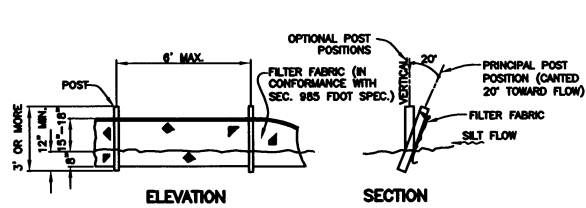
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Wayne R. Troxler/62240 Engineer / Reg. No.	PUBLIC WORKS DEPT.-ENGINEERING DIVISION
<i>Wayne R. Troxler</i> 1/27/09 Date	
	4422-B 66th Street West, Bradenton, FL 34210

LIFT STATION SITE MAPS	
LIFT STATION UPGRADES, 2008 EMERGENCY GENERATORS	
Sheet 5	6

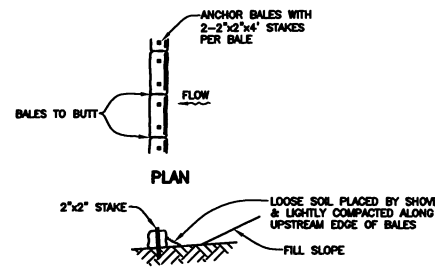


WETLAND BUFFER
FIGURE 1

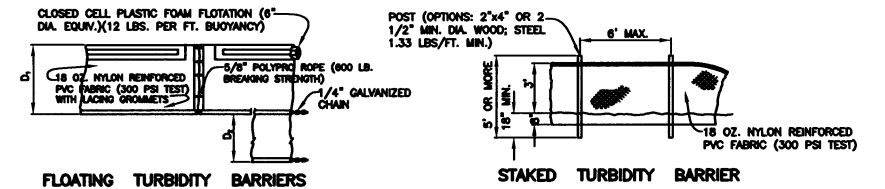


NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

TYPICAL SILT FENCE
FIGURE 2

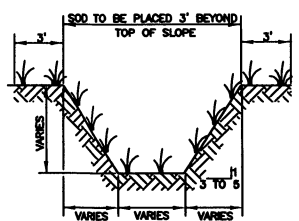


TYPICAL BALE SILT BARRIER
FIGURE 3

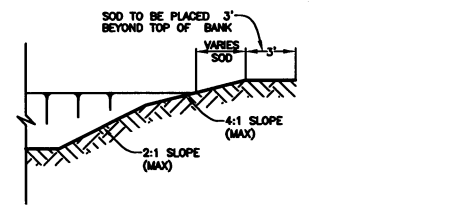


NOTE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

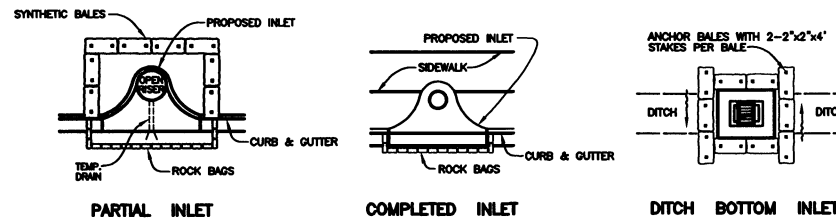
TURBIDITY BARRIERS
FIGURE 4



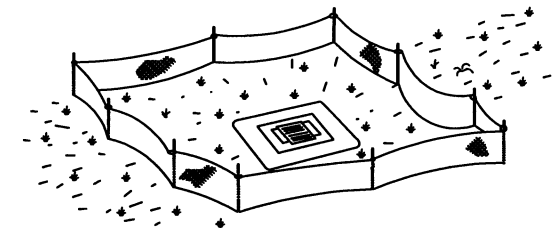
TYPICAL SWALE SECTION
FIGURE 5



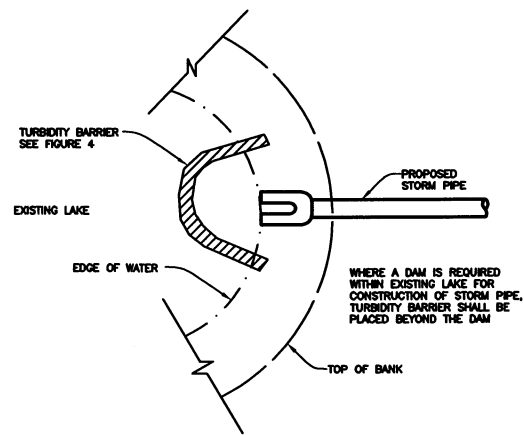
TYPICAL RETENTION/DETENTION POND SECTION
FIGURE 6



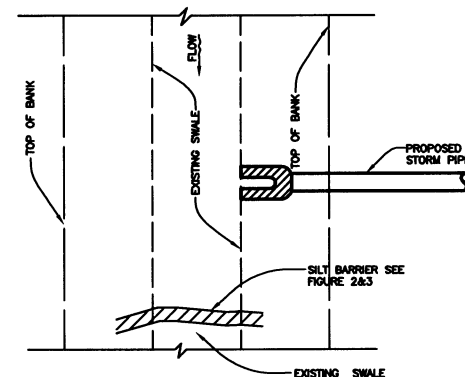
SYNTHETIC BALE PROTECTION AROUND
INLETS OR SIMILAR STRUCTURES
FIGURE 7



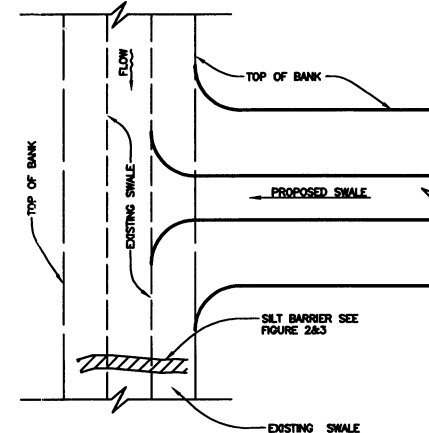
TYPE III SILT FENCE PROTECTION
AROUND DITCH BOTTOM INLETS
STAKED SILT BARRIER OR SILT FENCE
PROTECTION AROUND DITCH BOTTOM INLETS
FIGURE 8



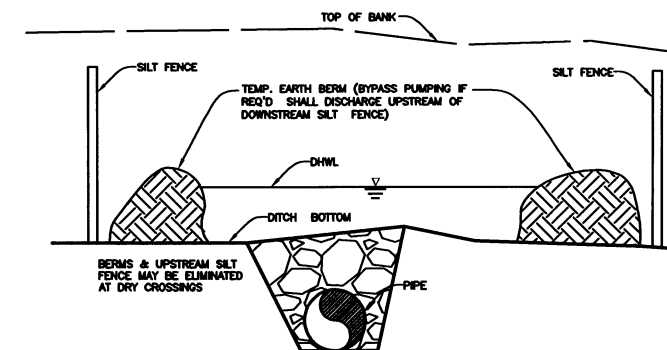
TURBIDITY BARRIER AT CONNECTION OF
STORM PIPE TO EXISTING LAKE
FIGURE 9



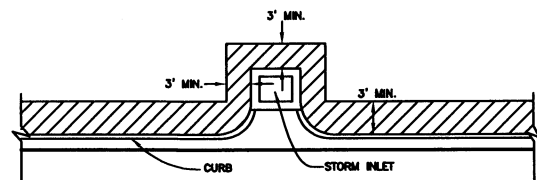
SILT BARRIER AT CONNECTION OF
STORM PIPE TO EXISTING SWALE
FIGURE 10



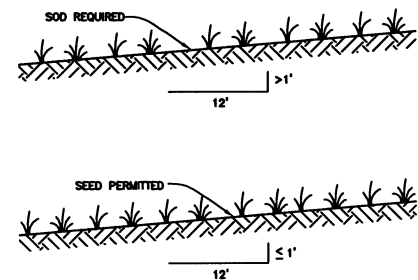
SILT BARRIER AT CONNECTION
OF SWALE TO EXISTING SWALE
FIGURE 11



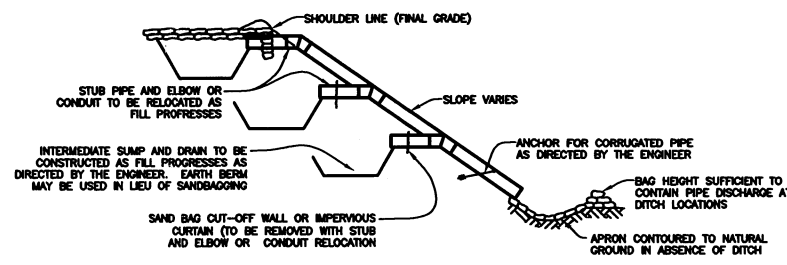
UNDERGROUND PIPE CROSSING
FIGURE 12



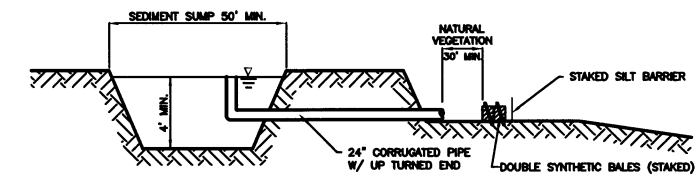
SOD ALONG CURB
AND AROUND INLET
FIGURE 14



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.

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