

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT | S:\PMD_Engineering_Shore\Util_Eng_Design\PROJ\SS-SAN SWR Proj\Colony Cove Gravity Upgrades\Colony Cove 1-Phase 2 SS Rehab.dwg.01 Cover, 2/29/2016 2:14 PM Shea Shoun, 1:1, ARCH full bleed D (36.00 x 24.00 inches)



COLONY COVE 1 - PHASE 2 SANITARY SEWER (GRAVITY) REHABILITATION 413-6005680

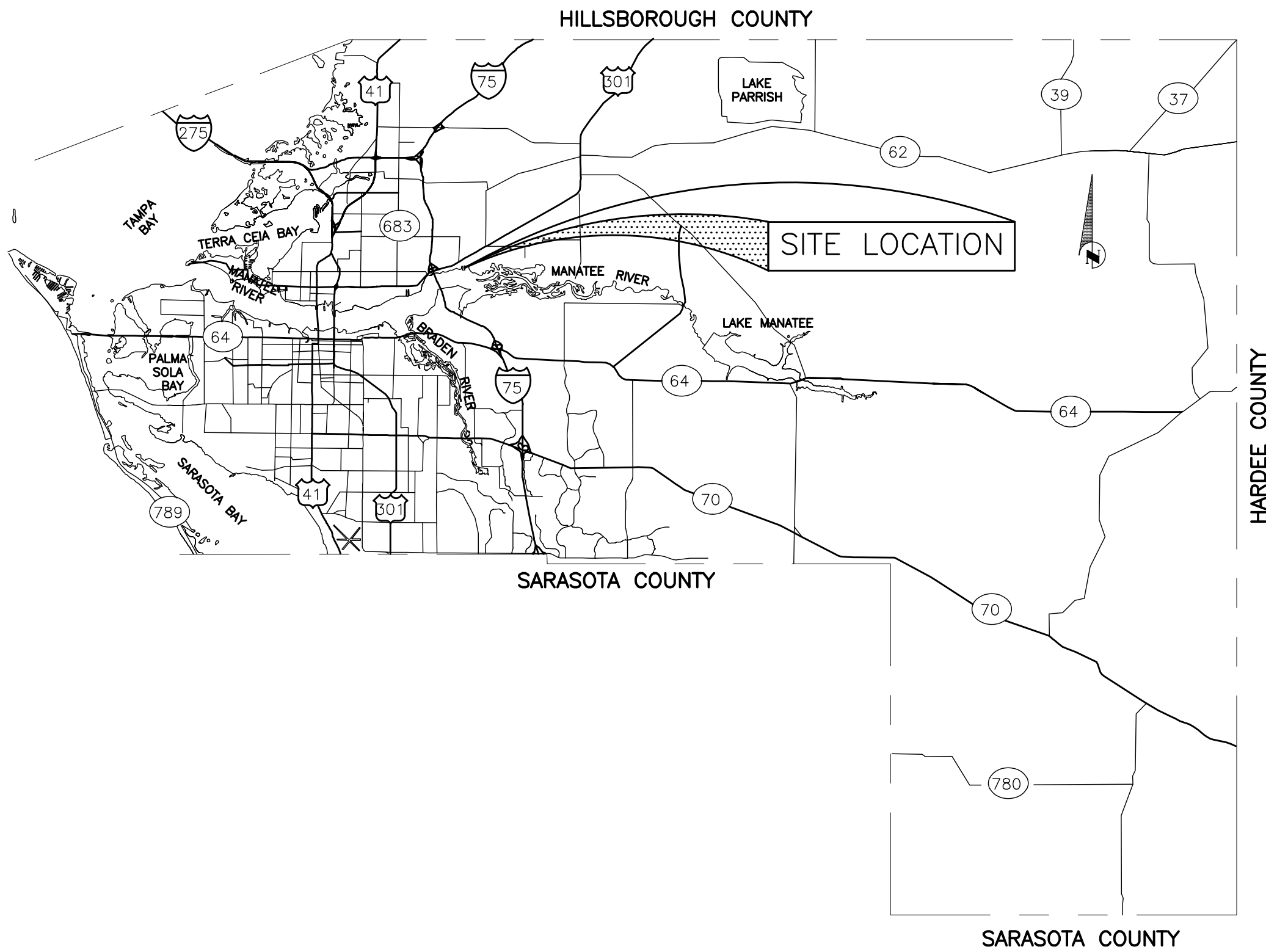
JUNE 2015



VICINITY MAP
N.T.S.
101 AMSTERDAM AVE
ELLENTON, FL 34222

PROJECT DESCRIPTION

REHABILITATION OF THE EXISTING GRAVITY SEWER MAINS BY INSTALLING APPROXIMATELY 9,380 LF OF 8" HDPE (DR-17) PIPE TO REPLACE THE EXISTING VITRIFIED CLAY PIPE (VCP) UTILIZING PIPE BURSTING INSTALLATION METHODS. ALL EXISTING BRICK AND/OR CONCRETE MANHOLES SHALL BE REHABILITATED AND LINED, APPROXIMATELY 33 MANHOLES. ALL SERVICES SHALL BE REINSTATED USING INSERTA-TEE (OR EQUIVALENT) AND SHALL BE RELOCATED OUT FROM UNDER THE MOBILE HOMES AS NECESSARY.



100% PLANS

NO.	INDEX OF SHEETS
1.	COVER SHEET
2.	GENERAL NOTES & LEGEND
3.-7.	PLAN SHEETS
8.	EROSION CONTROL
9.	DETAILS & PROJECT NOTES



COLONY COVE 1 - PHASE 2 SANITARY SEWER (GRAVITY) REHABILITATION COVER SHEET

NO.	REVISION DESCRIPTION	BY	DATE
PROJECT #	413-6005680		
SURVEY #	-		
SEC./TWN./RGE	10/34S/18E		
SCALE	1"=40'		
	BY	DATE	
SURVEYED	-	-	
DESIGNED	JSS	5/2015	
DRAWN	CB/JSS	5/2015	
CHECKED	-	-	
J. SHEA SHOUN, P.E.			
FLORIDA PROFESSIONAL ENGINEER LICENSE No. 60923 State of Florida 2/29/16			
SHEET 01 OF 9			

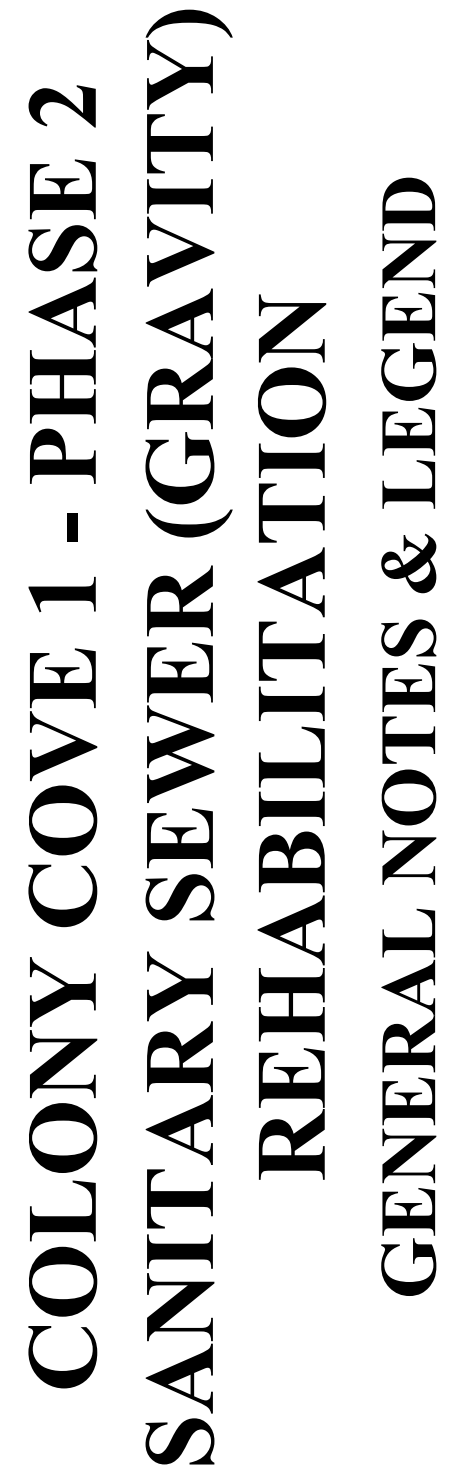


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59. THE CONTRACTOR, PRIOR TO ANY TEMPORARY WATER SHUT-OFFS DURING WATER MAIN TIE-IN, ETC., SHALL NOTIFY THE AFFECTED RESIDENTS BY POSTING INFORMATIONAL SIGNS IN THE NEIGHBORHOOD AT LEAST TWO DAYS (48 HRS) PRIOR TO THE WATER SHUT-OFF. REFERENCE SECTION 01580, PARAGRAPH 1.03 OF THE SPECIFICATIONS. WHEN FEASIBLE, "DOOR HANGERS" SHALL BE DELIVERED TO AFFECTED RESIDENCES AT LEAST TWO DAYS (48 HRS) PRIOR TO WATER SHUT-OFF. FOR LARGE PROJECTS WITH HUNDREDS OF HOMES AFFECTED, THE CONTRACTOR SHALL ALSO MAKE EXTENSIVE USE OF THE MEDIA AND SHALL HAVE PRIOR CONTACT WITH HOMEOWNER'S ASSOCIATIONS. WRITTEN NOTIFICATIONS SHALL ALSO BE FAXED TO THE TAMPA TRIBUNE, BRADENTON HERALD, SARASOTA HERALD TRIBUNE, WBFD RADIO, EMERGENCY COMMUNITY CENTERS, INSPECTIONS, WATER TREATMENT PLANT, WATER MANAGER, HELPLINE, CUSTOMER SERVICE, AND THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT.
60. ALL NEW PIPE LINES SHALL BE PIG CLEANED (4" AND LARGER), FLUSHED, PRESSURE TESTED, DISINFECTED AND CERTIFIED PRIOR TO TIE-INS TO EXISTING FACILITIES. THE CONTRACTOR WILL BE ALLOWED TO USE TEMPORARY PLUGS FOR PIG CLEANING AND PRESSURE TESTING.
61. ALL TEST POINT PIPING SHALL BE CUT LOOSE FROM THE CORPORATION STOP AND COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE. A CORPORATION STOP PLUG SHALL BE INSTALLED AND THE CORPORATION STOP SHALL REMAIN IN PLACE.
62. ALL EXISTING MAINS THAT ARE BEING REPLACED SHALL BE ABANDONED IN PLACE UPON ACCEPTANCE AND ACTIVATION OF THE NEW MAINS. ABANDONED MAINS SHALL BE CUT, FILLED WITH GROUT, AND CAPPED. REFER TO SECTION 02064 OF THE SPECIFICATIONS FOR GROUTING OF ABANDONED PIPE.

- MANATEE COUNTY PUBLIC
WORKS DEPT./TRAFFIC
ENGINEERING/ ATMS
2101 47TH TERRACE EAST
BRADENTON, FL 34203
MICHAEL O'REILLY, P.E.
(941) 749-3500 EXT. 7859
FAX: (941) 749-3571
michael.oreilly@mymanatee.org

PROPOSED PROJECT NOTES
JOB SPECIFIC (EXAMPLE):
WATER LINE CALL-OUT
(TYPICAL)
STA. 40+60, 17' LT.
1-6" GATE VALVE
1-6" FITTING

[illegible]

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT 15: PWD_Engineering_Shore/Util Eng Design PROJ: SAN SWR Proj: Colony Cove Gravity Upgrades COLONY COVE 1-PHASE 2 DWG: Colony Cove 1-Phase 2 SS Rehab.dwg,03 Plan, 2/29/2016 2:14 PM Shea Shoun, 1:1 ARCH full bleed D: 36.00 x 24.00 Inches



NOTE:
FPL POWER LINE:
EXACT LOCATION OF FPL COMPANY UNDERGROUND FACILITIES (BE) MUST BE DETERMINED PRIOR TO ANY SUBSURFACE OPERATIONS IN THIS AREA. CALL 1-800-432-4770 FOR LOCATIONS OF FPL COMPANY UNDERGROUND FACILITIES BEFORE DIGGING.

VERIZON:
EXACT LOCATION OF THE VERIZON UNDERGROUND FACILITIES (BVER) ARE UNKNOWN. THE FACILITIES MOSTLY FOLLOW THE REAR LOT LINE ARCHITECTURE.

BRIGHT HOUSE:
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IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE CLEAR HOW MUCH TIME IN ADVANCE COLONY COVE WILL REQUIRE AND TO KEEP THE OFFICE AND THE COUNTY UP TO DATE WITH THE SCHEDULING.

SCALE: 1" = 40' (22"x34")
SCALE: 1" = 80' (11"x17")

LEGEND

UWOW ID. NO. FROM GIS

MANHOLE OR CLEAN-OUT

JTV INC., TV INSPECTION SHEET NO.

PREV. JTV MANHOLE NO.

MANHOLE OR CLEAN-OUT DEPTH*

DIRECTION OF TV INSPECTION

±LENGTH & DIAMETER

JTV INC., TV INSPECTION SETUP NO.

○ FACTORY TAP

✚ BREAK-IN TAP (HAMMER)

TV INSPECTION AND REPORT PRODUCED AND PREPARED BY JTV INC., JUNE 2012.

*CLEAN-OUT DEPTHS ARE ESTIMATION AND ARE NOT CONSIDERED ACCURATE.

811

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SHEET INDEX (N.T.S.)

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

COLONY COVE 1 - PHASE 2

SANITARY SEWER (GRAVITY) REHABILITATION

GRAVITY SEWER SYSTEM LAYOUT

NO.	DATE	BY	REVISION DESCRIPTION
1	2/29/16	JSS	rev. notes

PROJECT #	413-6005680		
SURVEY #	-		
SEC./TWN./RGE	10/34S/18E		
SCALE	1"=40'		
SURVEYED	-	BY	DATE
DESIGNED	JSS	5/2015	
DRAWN	CB/JSS	5/2015	
CHECKED	-		

J. SHEA SHOUN, P.E.

FLORIDA PROFESSIONAL ENGINEER

No. 60923

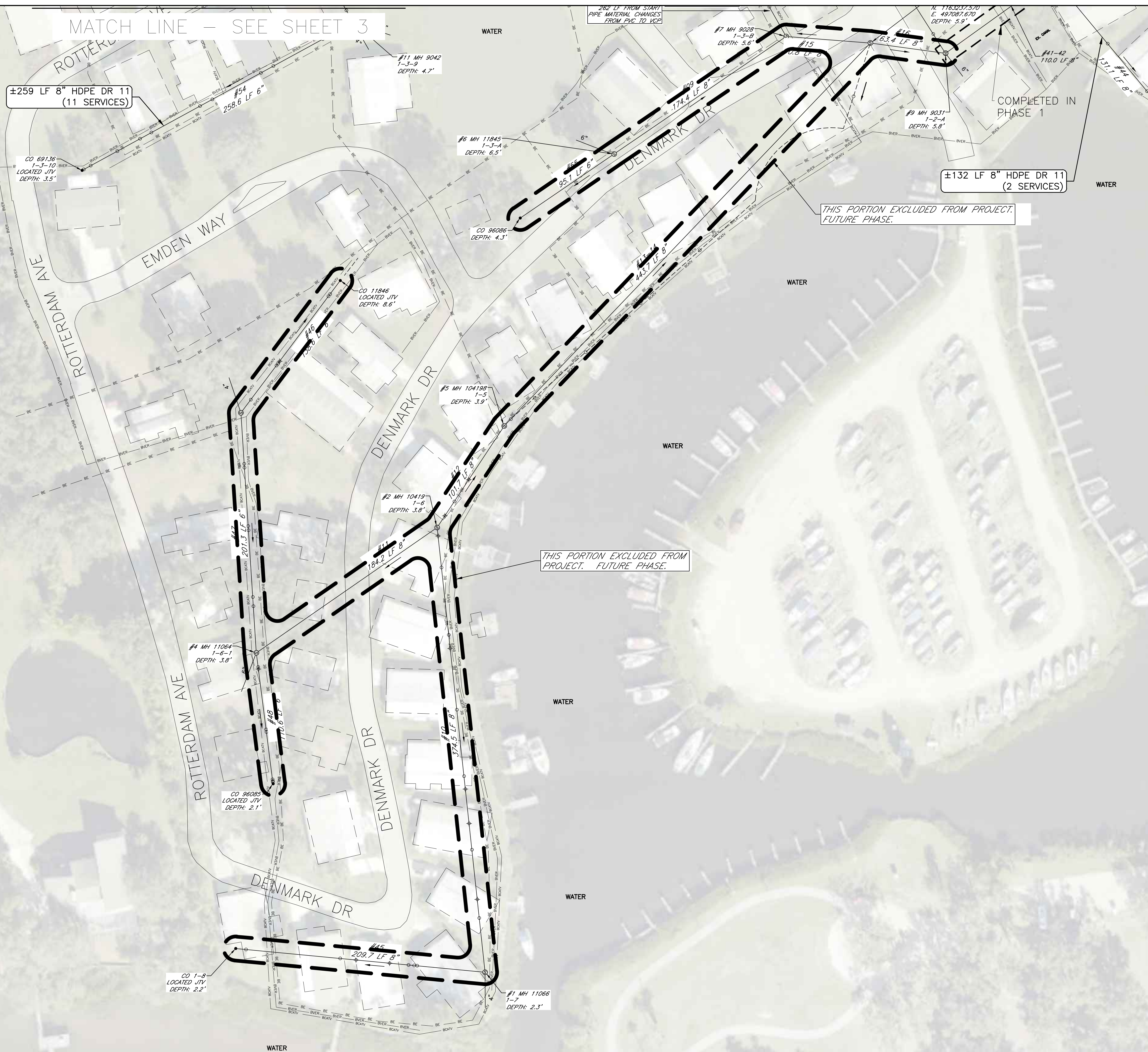
STATE OF FLORIDA

2/29/16

Signature

SHEET 03 OF 9

MATCH LINE — SEE SHEET 3



NOTE

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UNDERGROUND FACILITIES (BYER) ARE UNKNOWN.
THE FACILITIES MOSTLY FOLLOW THE REAR LOT LINE
ARCHITECTURE. CALL 1-800-432-4770 FOR
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FACILITIES BEFORE DIGGING.

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MATCH LINE - SEE SHEET 5



SCALE: 1" = 40' (22"x34")
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LEGEND

Diagram illustrating the layout of a JTV Manhole Inspection Sheet with labels for various fields:

- UWOW ID. NO. FROM GIS (points to the top right field)
- MANHOLE OR CLEAN-OUT (points to the top left field)
- JTV INC., TV INSPECTION SHEET NO. (points to the middle left field)
- PREV. JTV MANHOLE NO. (points to the bottom left field)
- MANHOLE OR CLEAN-OUT DEPTH* (points to the bottom right field)
- LOCATED JTV (points to the middle right field)
- DEPTH: 9.0' (points to the bottom right field)

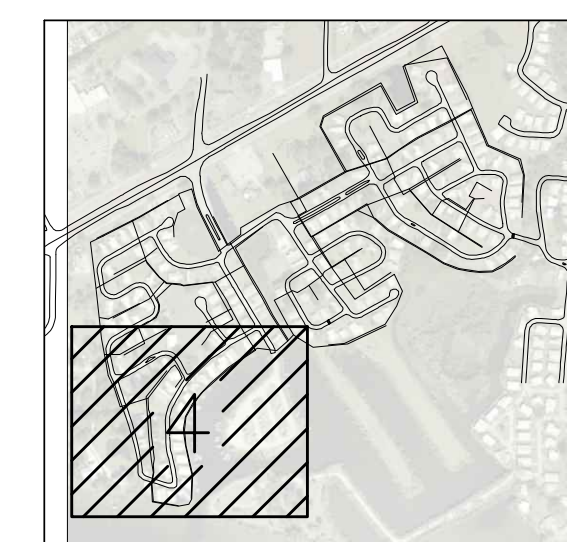
DIRECTION OF TV INSPECTION →
 ±LENGTH & DIAMETER → 189.2 LF 8"
 #22
 JTV INC., TV INSPECTION SETUP NO.
 ○ FACTORY TAP
 ⊕ BREAK-IN TAP (HAMMER)

TV INSPECTION AND REPORT
PRODUCED AND PREPARED BY JTV
INC., JUNE 2012.

*CLEAN-OUT DEPTHS ARE ESTIMATION
AND ARE NOT CONSIDERED
ACCURATE.



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SHEET INDEX
(NTS)



**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208**

**COLONY COVE 1 - PHASE 2
SANITARY SEWER (GRAVITY)
REHABILITATION
GRAVITY SEWER SYSTEM LAYOUT**

DATE		2/29/16			
BY		JSS			
REVISION DESCRIPTION					
rev. notes					
NO.		1			
PROJECT #		413-6005680			
SURVEY #		-			
SEC./TWN./RGE		10/34S/18E			
SCALE		1"=40'			
	BY	DATE			
SURVEYED	-	-			
DESIGNED	JSS	5/2015			
DRAWN	CB/JSS	5/2015			
CHECKED	-	-			
J. SHEA SHOUN, P.E.					
SHEET 04 OF 9					

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MATCH LINE - SEE SHEET 3

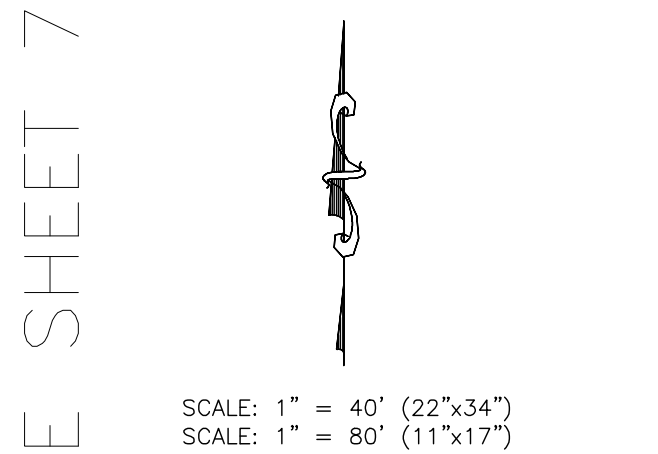
MATCH LINE - SEE SHEET 4

MATCH LINE - SEE SHEET 6

MATCH LINE - SEE SHEET 4



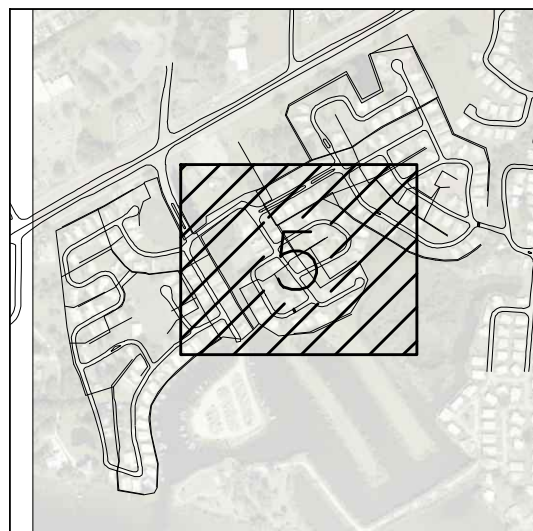
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- LEGEND
- UWOW ID. NO. FROM GIS
 - MANHOLE OR CLEAN-OUT
 - JTV INC., TV INSPECTION SHEET NO. #30 MH 196074 LOCATED JTV DEPTH: 9.0'
 - PREV. JTV MANHOLE NO.
 - MANHOLE OR CLEAN-OUT DEPTH*
 - DIRECTION OF TV INSPECTION
 - ±LENGTH & DIAMETER 189.2 LF 8" #22
 - JTV INC., TV INSPECTION SETUP NO.
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 - ✚ BREAK-IN TAP (HAMMER)
 - TV INSPECTION AND REPORT PRODUCED AND PREPARED BY JTV INC., JUNE 2012.
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SANITARY SEWER (GRAVITY) REHABILITATION

GRAVITY SEWER SYSTEM LAYOUT

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J. SHEA SHOUN, P.E.

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LICENSE NO. 60923
STATE OF FLORIDA
2/29/16

SHEET 05 OF 9

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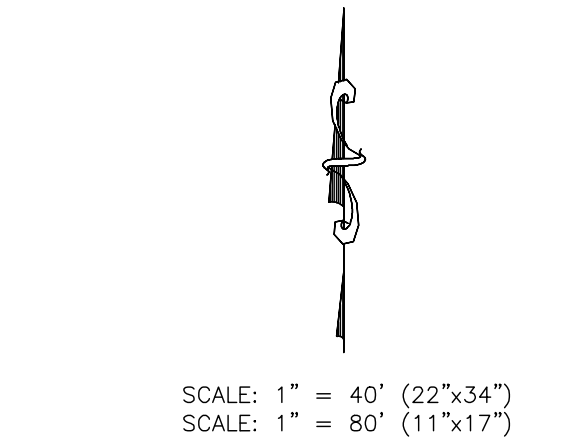
MATCH LINE - SEE SHEET 3

MATCH LINE - SEE SHEET 5

MATCH LINE - SEE SHEET 7



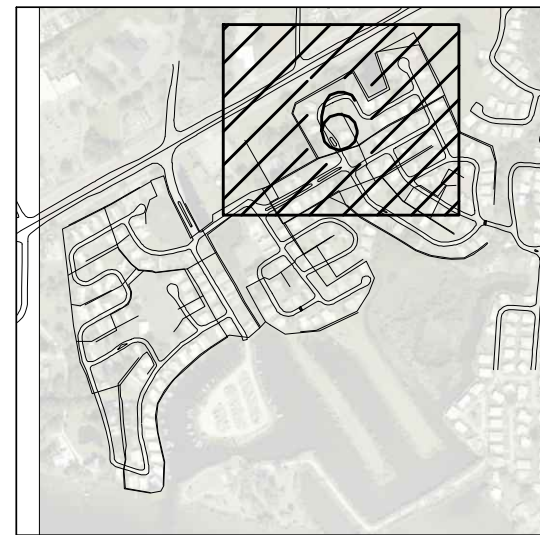
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J. SHEA SHOUN, P.E.

FLORIDA 60923

JOHN S. SHOUN
LICENSE
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SHEET 06 OF 9

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J. SHEA SHOUN, P.E.

FLORIDA PROFESSIONAL ENGINEER
LICENSE NO. 60923
STATE OF FLORIDA
2/29/16

SHEET 07 OF 9

WETLAND BUFFER
FIGURE 1

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

TYPICAL BALE SILT BARRIER
FIGURE 3

TURBIDITY BARRIERS
FIGURE 4

TYPICAL SWALE SECTION
FIGURE 5

TYPICAL RETENTION/DETENTION POND SECTION
FIGURE 6

SYNTHETIC BALE PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

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

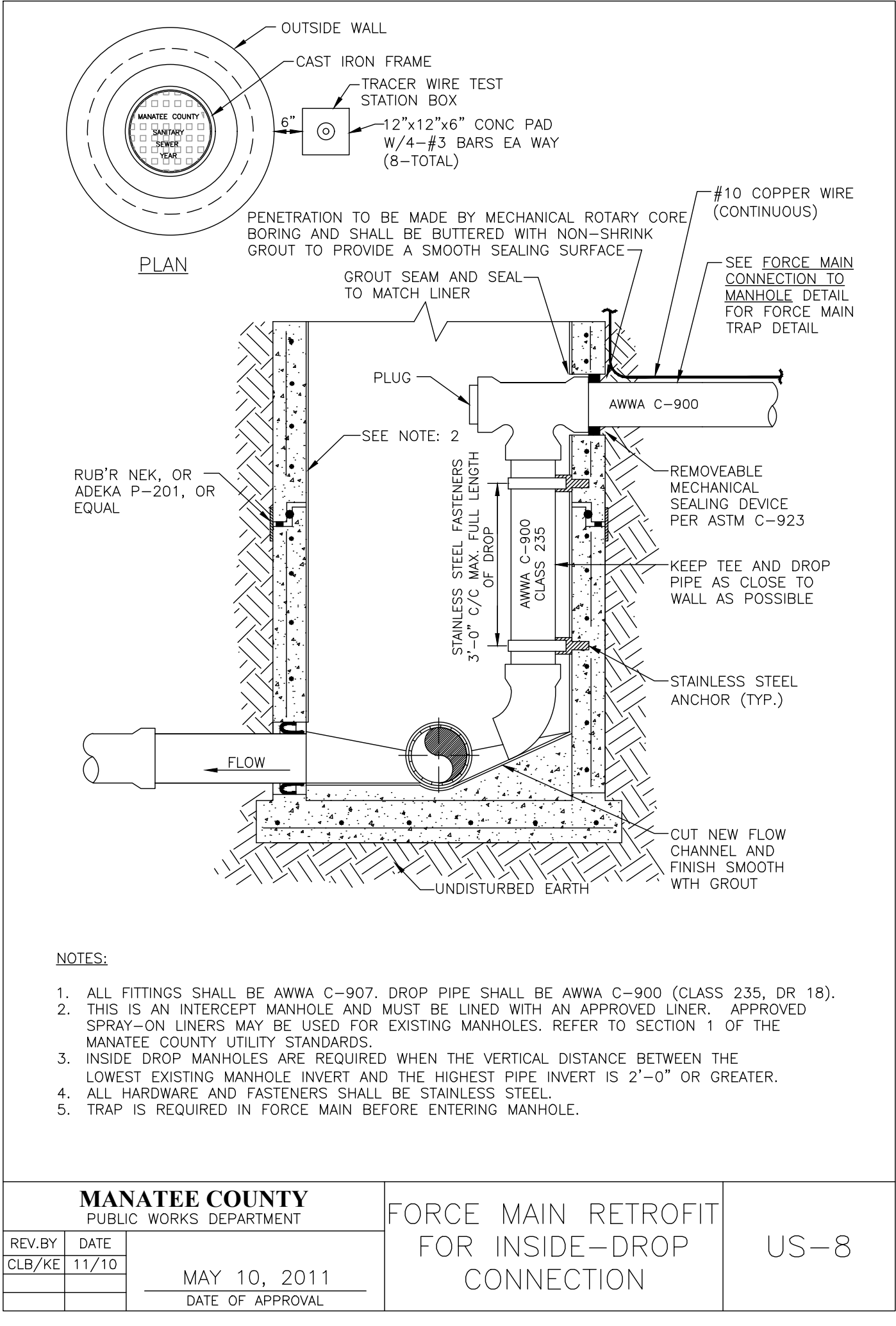
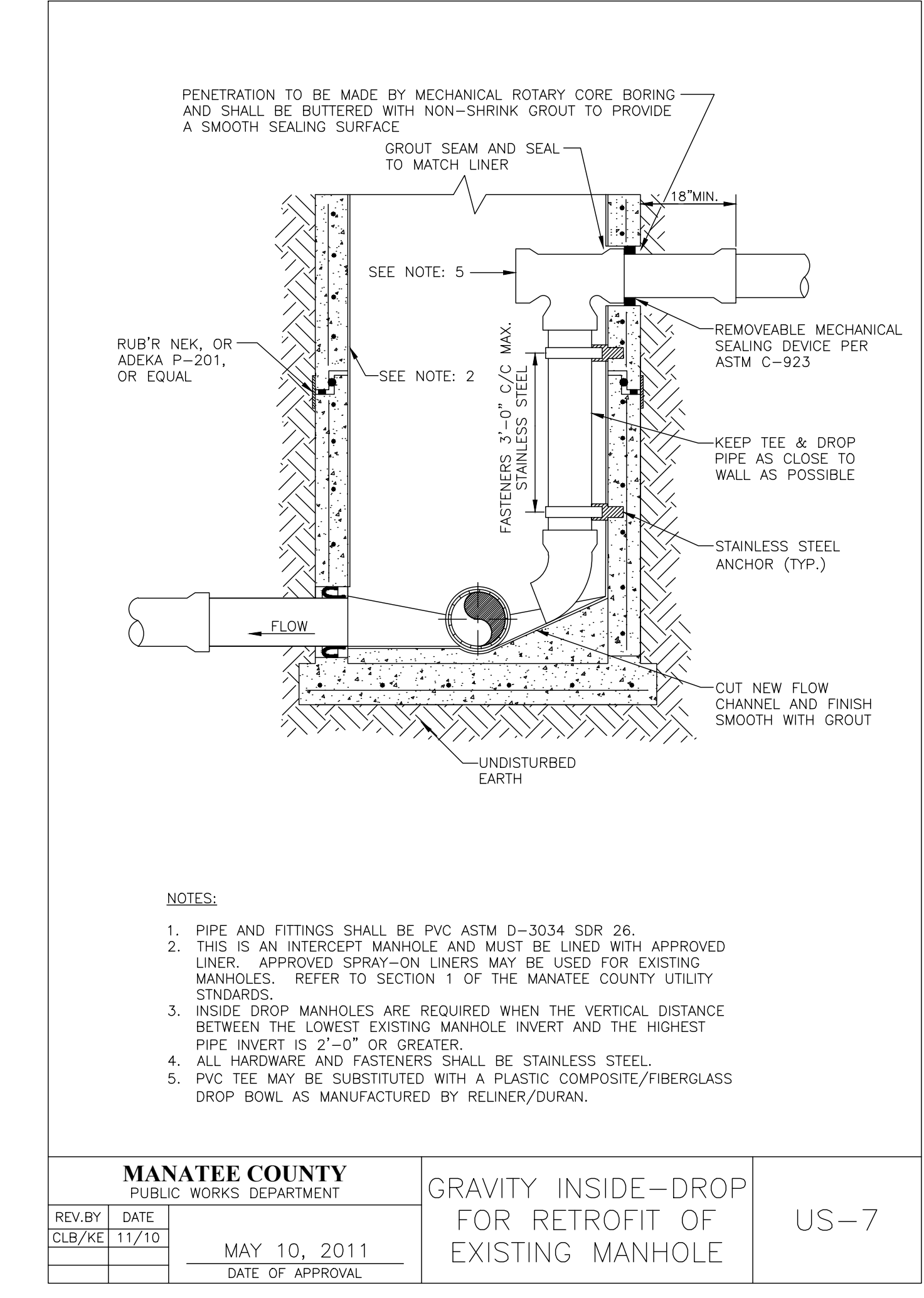
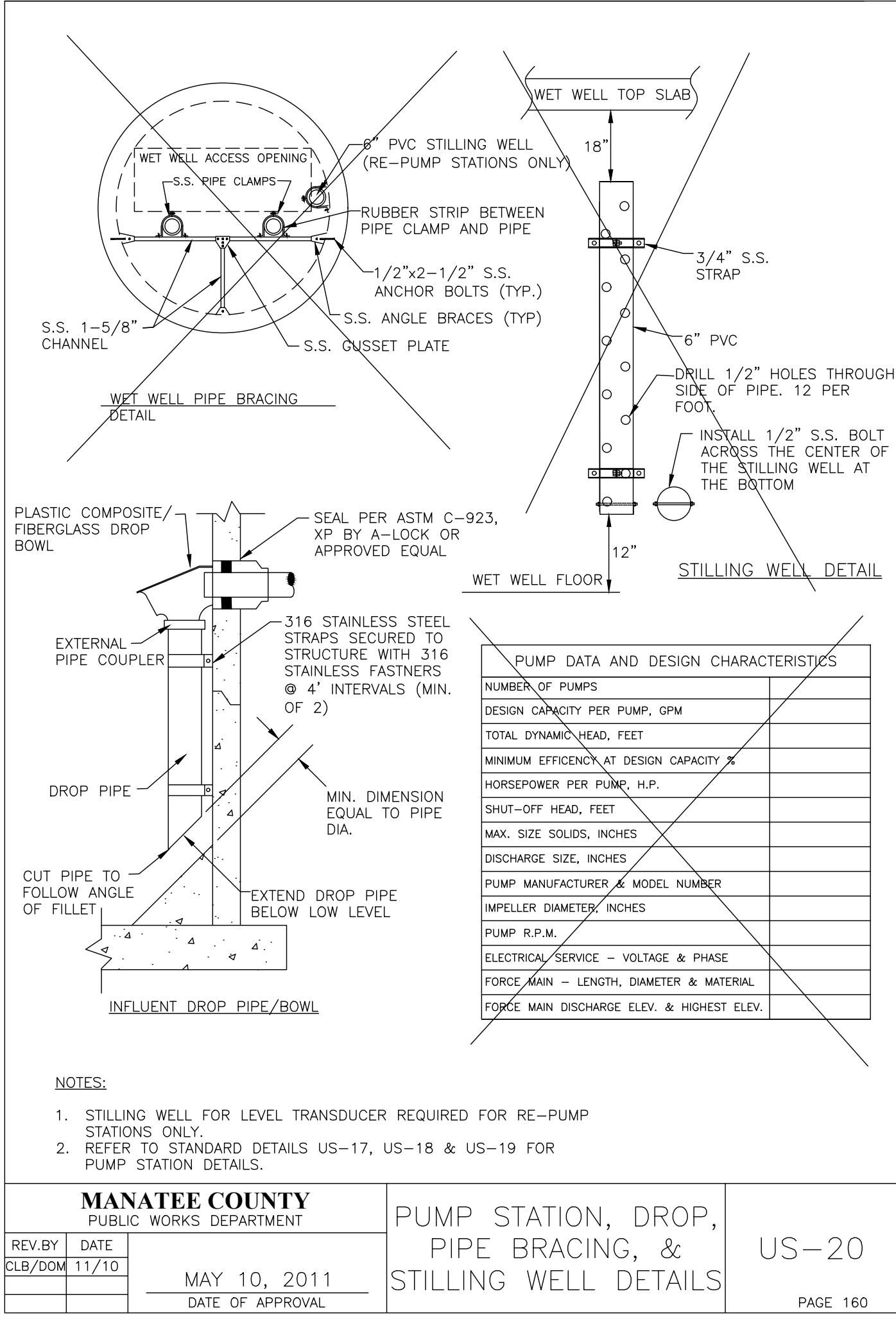
NOTE:
REFERENCE THE FDOT DESIGN STANDARDS
LATEST EDITION FOR ALL TEMPORARY
EROSION CONTROL MEASURES.

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	413-6005680	
SURVEY #	-	
SEC./TWN./RGE	10/34S/18E	
SCALE	1"=40'	
	BY	DATE
SURVEYED	-	
DESIGNED	JSS	5/2015
DRAWN	CB/JSS	5/2015
CHECKED	-	-

J. SHEA SHOUN, P.E.
FLORIDA 923
JOHN SHEA SHOUN
LICENSE
No. 60973
STATE OF
2/29/16
FLORIDA
PROFESSIONAL ENGINEER
Signature Date

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT I:\S:\P\WD_Engineering_Shoun\Util Eng Design PROJ\SS-SAN SWR Proj\Colony Cove Gravity Upgrades\COLONY COVE 1-Phase 2-SS Rehab2.dwg,09 Detail & Notes, 2/29/2016 2:15 PM Sheo Shoun, I.T. ARCH full bleed D (36.00 x 24.00 inches)



- GENERAL NOTES:
1. REHABILITATION OF THE EXISTING 8" VITRIFIED CLAY PIPE (VCP) UTILIZING PIPE BURSTING TECHNOLOGY AND REHABILITATION OF THE EXISTING BRICK MANHOLES PER MANATEE COUNTY UTILITY STANDARDS.
 2. ALL EXISTING GRAVITY MAINS SHALL BE REPLACED WITH HDPE (DR-17) PIPE. MAJORITY OF EXISTING SYSTEM IS VITRIFIED CLAY PIPE (VCP). CHANGE IN MATERIAL HAS BEEN NOTED, BUT CONTRACTOR SHALL REVIEW THE TV INSPECTION REPORT FOR VERIFICATION.
 3. SERVICES SHALL BE RE-INSTATED USING INSERTA-TEE OR APPROVED EQUAL. EXISTING SANITARY SEWER SERVICE LATERALS SHALL BE REPLACED FROM THE MAIN TO THE PROPOSED CLEANOUTS. LATERAL PIPE PAST THE CLEANOUTS SHALL ALSO BE REPLACED BACK TO SOUND PIPE, AS REQUIRED.
 4. EXISTING SEWER LATERALS CONNECTED TO THE EXISTING MANHOLES SHALL BE RE-ROUTED TO CONNECT TO THE GRAVITY MAINS. EXCEPTION CAN BE MADE UPON WRITTEN APPROVAL BY COUNTY PERSONNEL.
 5. SANITARY SEWER CLEANOUTS SHALL BE FURNISHED & INSTALLED NO FURTHER THAN 5 FEET FROM CENTERLINE OF GRAVITY MAIN OR 3 FEET FROM MOBILE HOME.
 6. ALL EXISTING TERMINAL CLEANOUTS SHALL BE REPLACED AND IF MISSING SHALL BE FURNISHED AND INSTALLED.
 7. ALL LOCATION OF SANITARY CLEANOUTS MUST BE COORDINATED WITH COLONY COVE MAINTENANCE PERSONNEL AND COUNTY PERSONNEL.
 8. ALL SERVICES & CONNECTIONS TO MAIN SHALL BE LOCATED OUT FROM UNDER THE MOBILE HOMES.
 9. ELEVATED BENCHES SHALL BE CONSTRUCTED INSIDE THE MANHOLES FOR INVERTS LESS THAN 1.9 FEET FROM THE MOST BOTTOM INVERT. ALL OTHERS SHALL HAVE AN INSIDE DROP CONNECTION INSTALLED. BOTH METHODS SHALL HAVE A U-SHAPED CHANNEL CONSTRUCTED TO DIRECT THE FLOW TO THE EXISTING PIPE.
 10. WHERE MANHOLE LINER IS PROPOSED, THE LINER SHALL BE INSTALLED OVER THE ENTIRE MANHOLE INTERNAL SURFACE, INCLUDING THE BENCH AND CHANNELS.
 11. CONTRACTOR TO ENSURE ALL SEWER LATERAL SERVICES ARE RE-INSTATED AND OPERATIONAL AS SOON AS POSSIBLE AND NOT TO EXCEED THE END OF THE DAY.
 12. ALL WORK SHALL BE COORDINATED WITH COLONY COVE PERSONAL, SO NOTIFICATION OF SEWER OUTAGES CAN BE ADVERTISED TO THE AFFECTED RESIDENTS.



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FATBOY, SDR 26, SDR 35 GASKETED BELL GRAVITY APPLICATION SPECIFICATIONS

SCALE: NTS
DATE: 9/24/2012
DRAWN BY: KLJ



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

COLONY COVE 1 - PHASE 2
SANITARY SEWER (GRAVITY)
REHABILITATION
DETAILS & PROJECT NOTES

NO.	REVISION DESCRIPTION	BY	DATE
PROJECT #	413-6005680		
SURVEY #	-		
SEC./TWN./RGE	10/34S/18E		
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J. SHEA SHOUN, P.E.			
FLORIDA STATE BOARD OF PROFESSIONAL ENGINEERS No. 60923 2/25/04 STATE OF FLORIDA J. SHEA SHOUN, P.E.			
SHEET 09 OF 9			