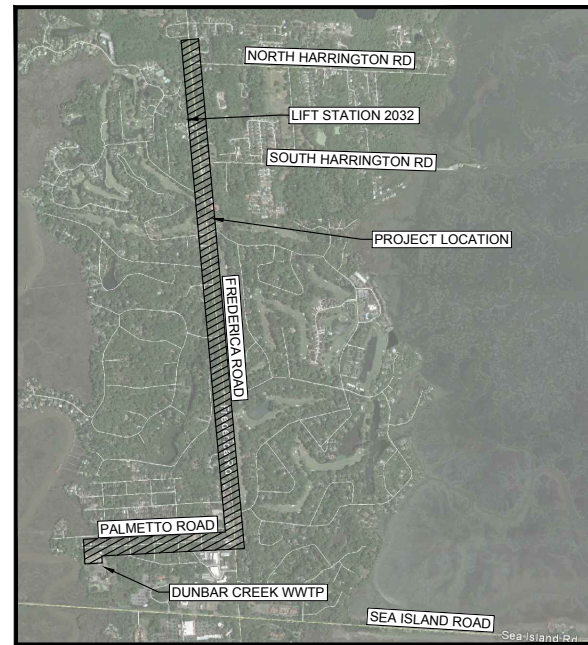
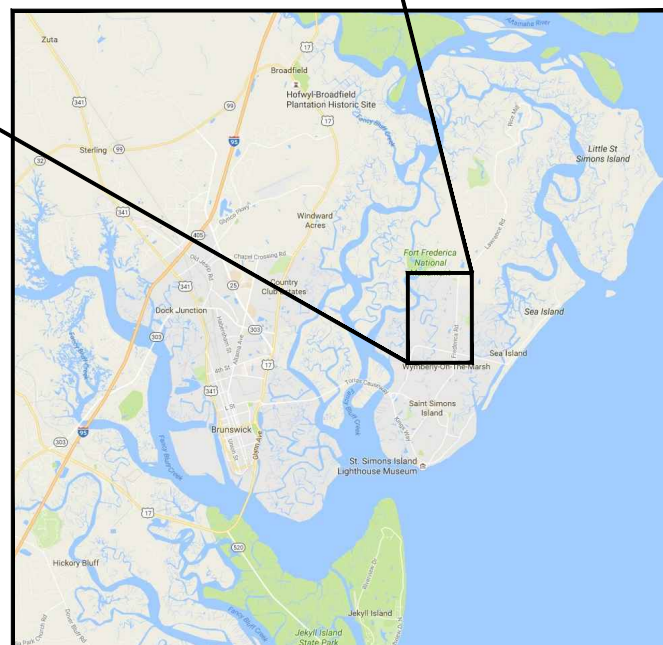


BRUNSWICK-GLYNN COUNTY JWSC LIFTSTATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS BGJWSC ST SIMONS ISLAND, GEORGIA



PROJECT LOCATION



LOCATION MAP

PREPARED FOR



BGJWSC PROJECT NO. 505

PREPARED BY



FOUR WATERS PROJECT NO. 16-1006

Utility Contacts:	
BGJWSC – Project Manager: Todd Kline	(912)-261-7122
	(912)-717-3757
BGJWSC – Field Inspector: Mike Fields	(912)-506-4687
Glynn County – County Engineer: Paul Andrews	(912)-554-7492
GA Power (Distribution) – Ashley Stoddard	(912)-267-5009
	(912)-602-2148
GA Power (ROW)– Steve Kenard	(912)-306-2546
	(912)-547-1494
Atlanta Gas Light (AGL) – Paul Brannen	(912)-427-5646
	(912)-202-1168
AT&T – Scott Truluck	(912)-617-1000
Comcast (subcontractor: Worth Cable) – Dennis Wortham	(912)-230-3203
Tower Cloud Telecom – Ben Blanton	(470)-689-3396
	(678)-848-6350
Sea Palms Golf Course – Head of Maintenance: Dale Stephens	(912)-506-6101

1



REV	DATE	DRWN	CHKD	BY	DESCRIPTION
1	11-21-16	SLD	MRK		CONTACT UPDATES
2					
3					
4					
5					
6					

BRUNSWICK-GLYNN COUNTY JWSC
LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
COVER
BGJWSC
ST SIMONS ISLAND, GEORGIA

DESIGN	MARK	JOB	NUMBER	ISSUE	DATE	ISSUE
DRAWN	SLD	16-1006		OCTOBER 11	2016	BID

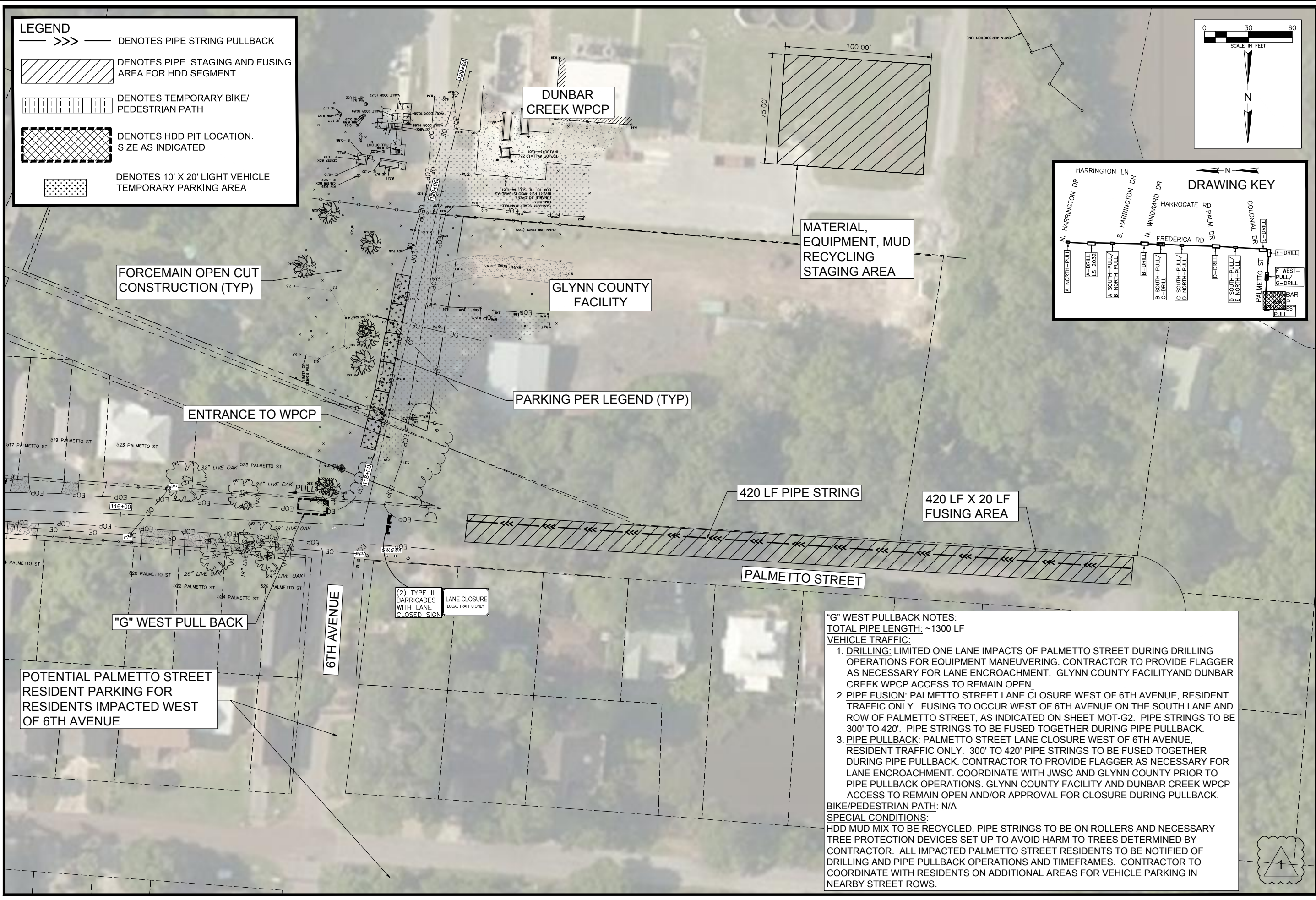
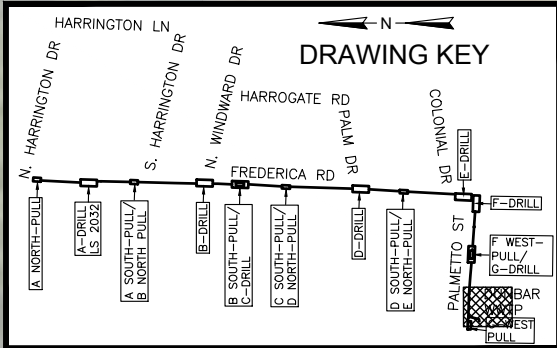
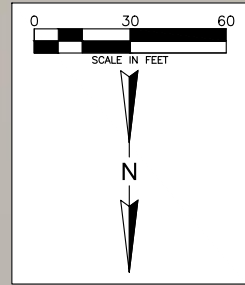


DRAWING NUMBER
COVER

STEVE DUCHARNE LOCATION: E:\16-1006\01_LS_2032\XX\GDS_COVER-NOTES-EXISTING_CONDITIONS.DWG

LEGEND

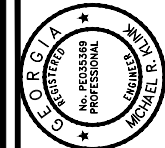
- >>>--- DENOTES PIPE STRING PULLBACK
- [Hatched Box] DENOTES PIPE STAGING AND FUSING AREA FOR HDD SEGMENT
- [Vertical Line Box] DENOTES TEMPORARY BIKE/PEDESTRIAN PATH
- [Cross-hatched Box] DENOTES HDD PIT LOCATION. SIZE AS INDICATED
- [Dotted Box] DENOTES 10' X 20' LIGHT VEHICLE TEMPORARY PARKING AREA



"G" WEST PULLBACK NOTES:
 TOTAL PIPE LENGTH: ~1300 LF
 VEHICLE TRAFFIC:

- DRILLING:** LIMITED ONE LANE IMPACTS OF PALMETTO STREET DURING DRILLING OPERATIONS FOR EQUIPMENT MANEUVERING. CONTRACTOR TO PROVIDE FLAGGER AS NECESSARY FOR LANE ENCROACHMENT. GLYNN COUNTY FACILITY AND DUNBAR CREEK WPCP ACCESS TO REMAIN OPEN.
- PIPE FUSION:** PALMETTO STREET LANE CLOSURE WEST OF 6TH AVENUE, RESIDENT TRAFFIC ONLY. FUSING TO OCCUR WEST OF 6TH AVENUE ON THE SOUTH LANE AND ROW OF PALMETTO STREET, AS INDICATED ON SHEET MOT-G2. PIPE STRINGS TO BE 300' TO 420'. PIPE STRINGS TO BE FUSED TOGETHER DURING PIPE PULLBACK.
- PIPE PULLBACK:** PALMETTO STREET LANE CLOSURE WEST OF 6TH AVENUE, RESIDENT TRAFFIC ONLY. 300' TO 420' PIPE STRINGS TO BE FUSED TOGETHER DURING PIPE PULLBACK. CONTRACTOR TO PROVIDE FLAGGER AS NECESSARY FOR LANE ENCROACHMENT. COORDINATE WITH JWSC AND GLYNN COUNTY PRIOR TO PIPE PULLBACK OPERATIONS. GLYNN COUNTY FACILITY AND DUNBAR CREEK WPCP ACCESS TO REMAIN OPEN AND/OR APPROVAL FOR CLOSURE DURING PULLBACK.

BIKE/PEDESTRIAN PATH: N/A
 SPECIAL CONDITIONS:
 HDD MUD MIX TO BE RECYCLED. PIPE STRINGS TO BE ON ROLLERS AND NECESSARY TREE PROTECTION DEVICES SET UP TO AVOID HARM TO TREES DETERMINED BY CONTRACTOR. ALL IMPACTED PALMETTO STREET RESIDENTS TO BE NOTIFIED OF DRILLING AND PIPE PULLBACK OPERATIONS AND TIMEFRAMES. CONTRACTOR TO COORDINATE WITH RESIDENTS ON ADDITIONAL AREAS FOR VEHICLE PARKING IN NEARBY STREET ROWS.



REV	DATE	DRWN	CHKD	BY	DESCRIPTION
1	11-21-18	SLD	MRK	UPDATE TO WPCP CONNECTION ROUTE	
2					
3					
4					
5					
6					

BRUNSWICK-GLYNN COUNTY JWSC
 LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
"G" DRILL SEGMENT
MOT AND PIPE STAGING WEST PULLBACK
 BGJWSC
 ST SIMONS ISLAND, GEORGIA

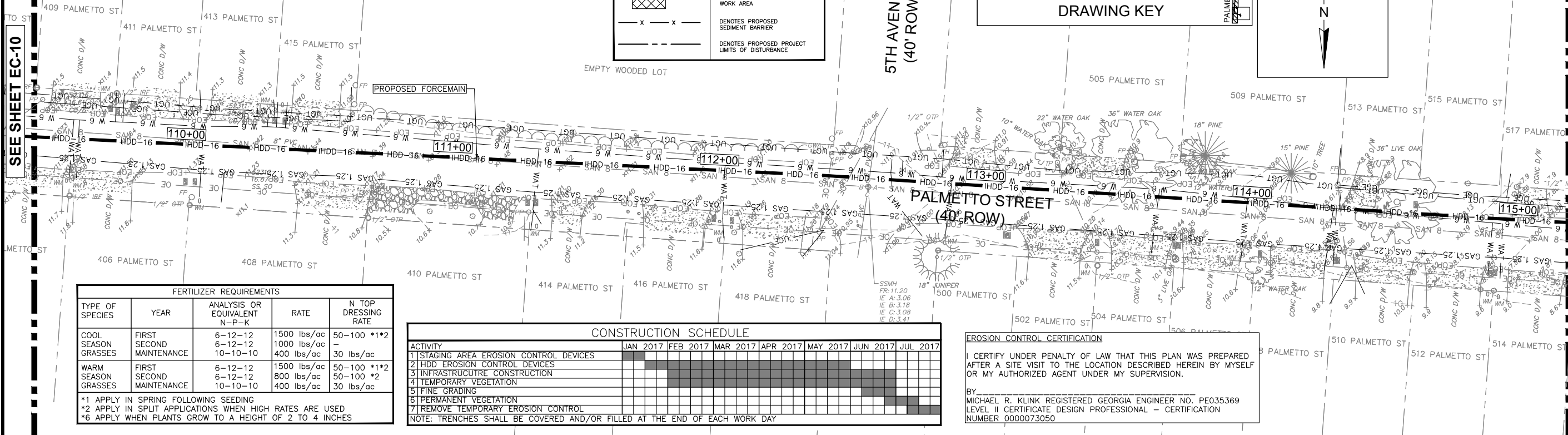
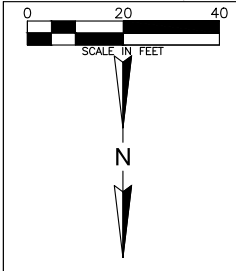
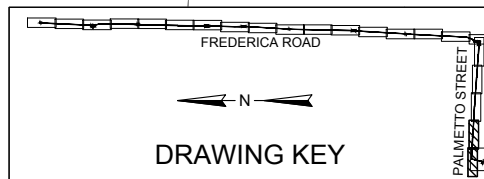
DESIGN	MARK	JOB	ISSUE	DATE	ISSUE
SLD	MRK	16-1006	NUMBER	OCTOBER 11 2016	BID

FOUR WATERS ENGINEERING
 324 6th Ave N, Jacksonville Beach, Florida 32250
 904-414-2400 PEF006711 WWW.4WENG.COM

DRAWING NUMBER
MOT-G2

STEVE DUCHARNE LOCATION REV: 16-1006.01 LS 2032.XX.GDS WOT-ALL.DWG

LEGEND	DESCRIPTION
	DENOTES PROPOSED OPEN CUT
	DENOTES PROPOSED DIRECTIONAL DRILL
	DENOTES PROPOSED HDD WORK AREA
	DENOTES PROPOSED SEDIMENT BARRIER
	DENOTES PROPOSED PROJECT LIMITS OF DISTURBANCE



TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
COOL SEASON GRASSES	FIRST MAINTENANCE	6-12-12	1500 lbs/ac	50-100 *1*2
	SECOND MAINTENANCE	6-12-12	1000 lbs/ac	-
WARM SEASON GRASSES	FIRST MAINTENANCE	6-12-12	1500 lbs/ac	50-100 *1*2
	SECOND MAINTENANCE	6-12-12	800 lbs/ac	50-100 *2

*1 APPLY IN SPRING FOLLOWING SEEDING
 *2 APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED
 *6 APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES

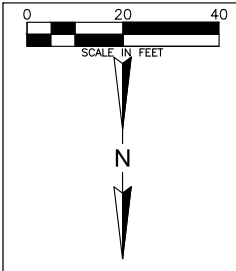
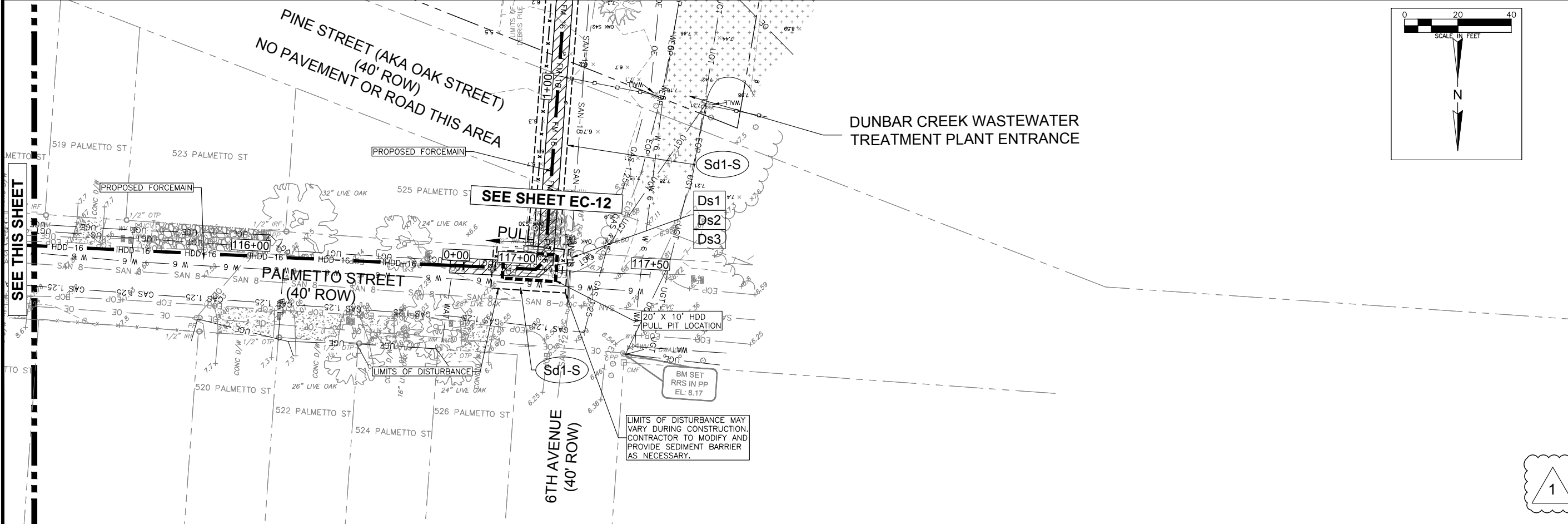
ACTIVITY	JAN 2017	FEB 2017	MAR 2017	APR 2017	MAY 2017	JUN 2017	JUL 2017
1 STAGING AREA EROSION CONTROL DEVICES	█						
2 HDD EROSION CONTROL DEVICES		█					
3 INFRASTRUCTURE CONSTRUCTION			█				
4 TEMPORARY VEGETATION				█			
5 FINE GRADING					█		
6 PERMANENT VEGETATION						█	
7 REMOVE TEMPORARY EROSION CONTROL							█

NOTE: TRENCHES SHALL BE COVERED AND/OR FILLED AT THE END OF EACH WORK DAY

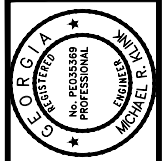
EROSION CONTROL CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATION DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY SUPERVISION.

BY
 MICHAEL R. KLING REGISTERED GEORGIA ENGINEER NO. PE035369
 LEVEL II CERTIFICATE DESIGN PROFESSIONAL - CERTIFICATION
 NUMBER 000073050



LIMITS OF DISTURBANCE MAY VARY DURING CONSTRUCTION. CONTRACTOR TO MODIFY AND PROVIDE SEDIMENT BARRIER AS NECESSARY.



REV	DATE	DRWN	CHKD	BY	DESCRIPTION
1	11-21-16	SJD	MMK		UPDATE TO WPCP CONNECTION ROUTE
2					
3					
4					
5					
6					

BRUNSWICK-GLYNN COUNTY JWSC
 LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
EROSION CONTROL PLAN
 BGM/JSC
 ST SIMONS ISLAND, GEORGIA

DESIGN	MARK	JOB	NUMBER	ISSUE	DATE	ISSUE
			16-1006		OCTOBER 11, 2016	

FOUR WATERS ENGINEERING
 324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250
 904-414-2400 PEF006711 WWW.4WENG.COM

DRAWING NUMBER
EC-11

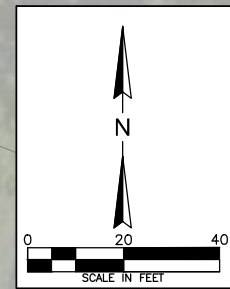
STEVE DUCHARME LOCATION: R:\16-1006-01.LS_2016\XX\EROSION CONTROL\EROSION CONTROL.DWG

CONSTRUCTION SCHEDULE							
ACTIVITY	JAN 2017	FEB 2017	MAR 2017	APR 2017	MAY 2017	JUN 2017	JUL 2017
1 STAGING AREA EROSION CONTROL DEVICES							
2 HDD EROSION CONTROL DEVICES							
3 INFRASTRUCTURE CONSTRUCTION							
4 TEMPORARY VEGETATION							
5 FINE GRADING							
6 PERMANENT VEGETATION							
7 REMOVE TEMPORARY EROSION CONTROL							

NOTE: TRENCHES SHALL BE COVERED AND/OR FILLED AT THE END OF EACH WORK DAY

FERTILIZER REQUIREMENTS				
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
COOL SEASON GRASSES	FIRST	6-12-12	1500 lbs/ac	50-100 *1*2
	SECOND MAINTENANCE	6-12-12	1000 lbs/ac	-
WARM SEASON GRASSES	FIRST	6-12-12	1500 lbs/ac	50-100 *1*2
	SECOND MAINTENANCE	6-12-12	800 lbs/ac	50-100 *2

*1 APPLY IN SPRING FOLLOWING SEEDING
 *2 APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED
 *6 APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES

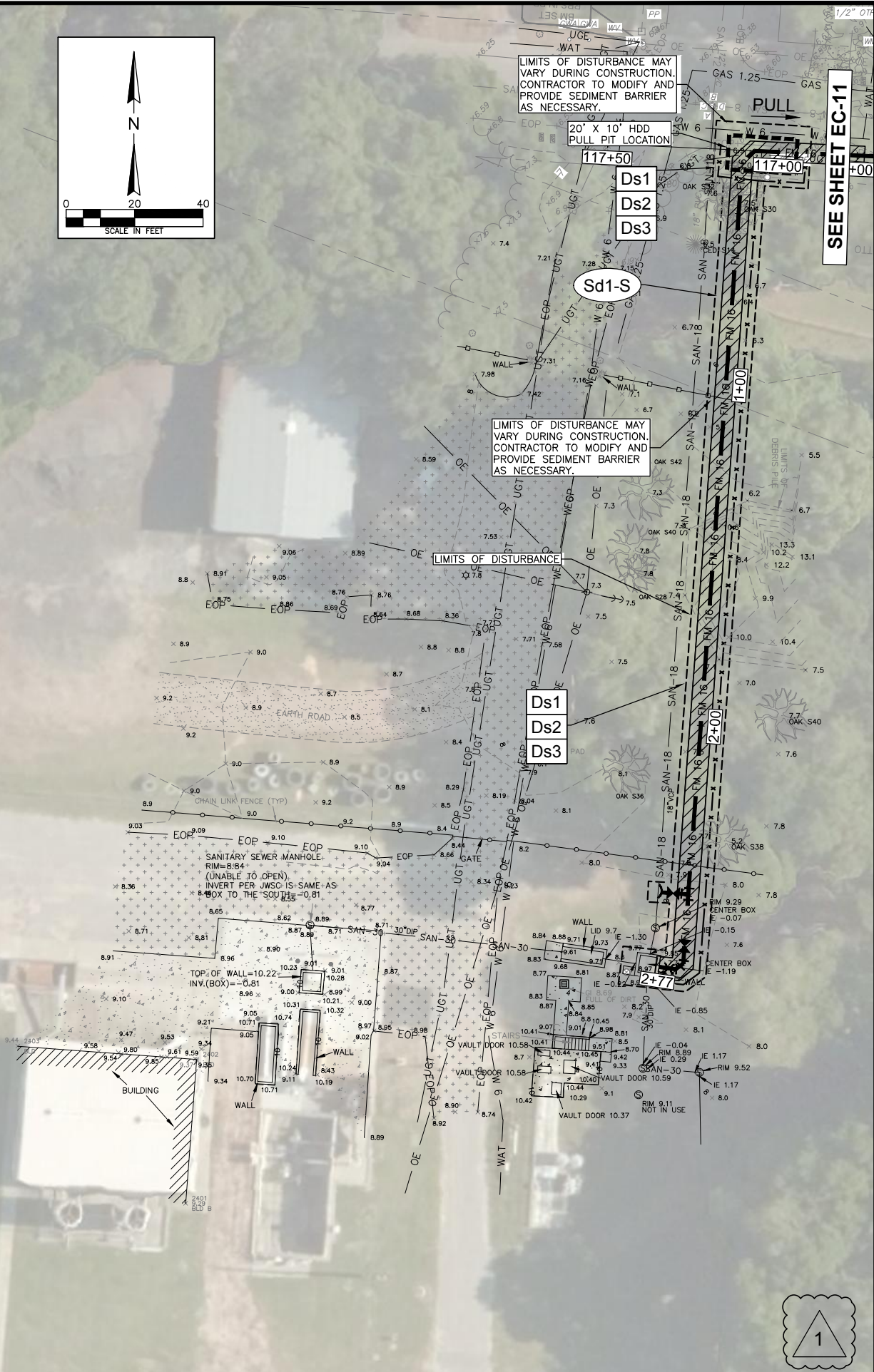
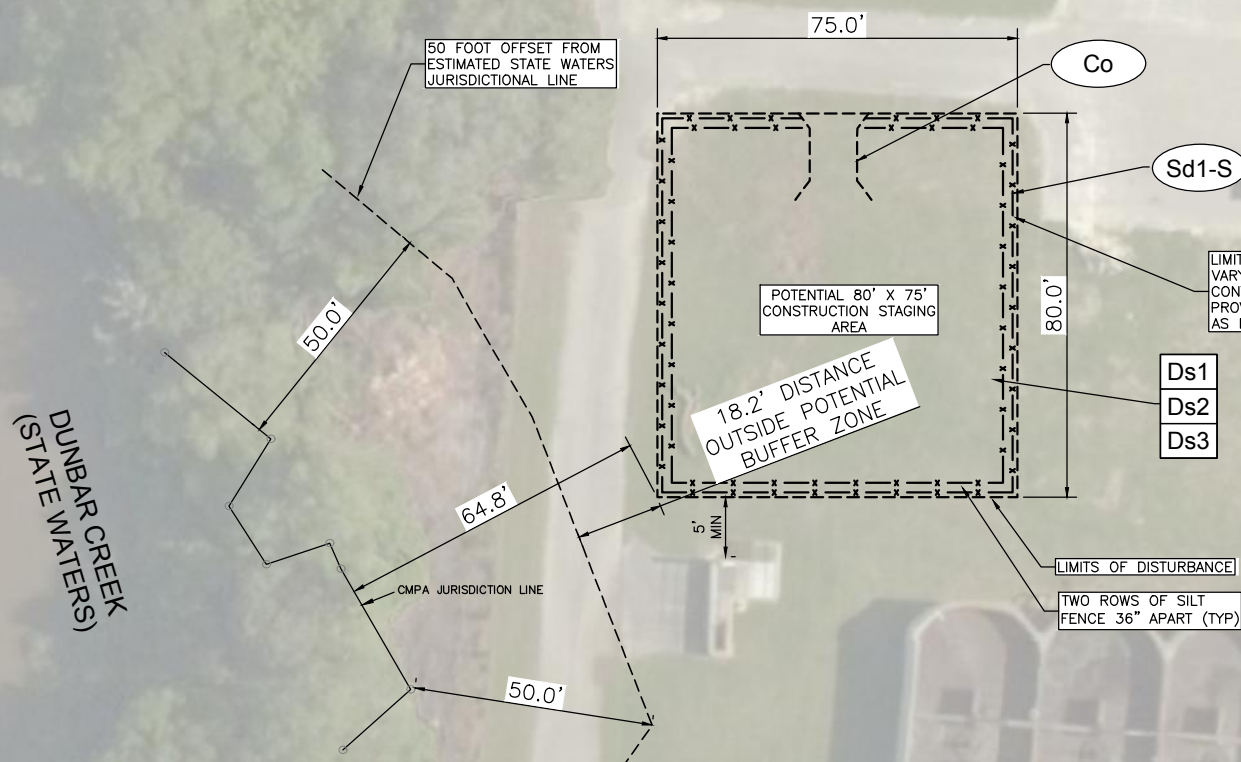
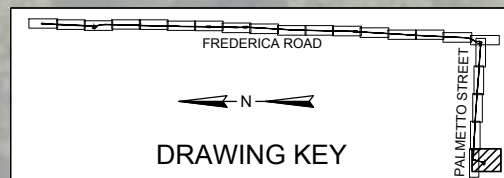


LEGEND	DESCRIPTION
	FM-16 DENOTES PROPOSED OPEN CUT
	HDD-16 DENOTES PROPOSED DIRECTIONAL DRILL
	DENOTES PROPOSED HDD WORK AREA
	DENOTES PROPOSED SEDIMENT BARRIER
	DENOTES PROPOSED PROJECT LIMITS OF DISTURBANCE

EROSION CONTROL CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATION DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY SUPERVISION.

BY
 MICHAEL R. KLINK REGISTERED GEORGIA ENGINEER NO. PE035369
 LEVEL II CERTIFICATE DESIGN PROFESSIONAL - CERTIFICATION NUMBER 0000073050



REV	DATE	BY	DESCRIPTION
1	11-21-16	SLD	UPDATE TO WPCP CONNECTION ROUTE
2			
3			
4			
5			
6			

BRUNSWICK-GLYNN COUNTY JWSC
 LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS

EROSION CONTROL PLAN

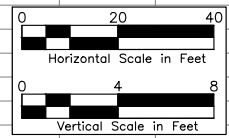
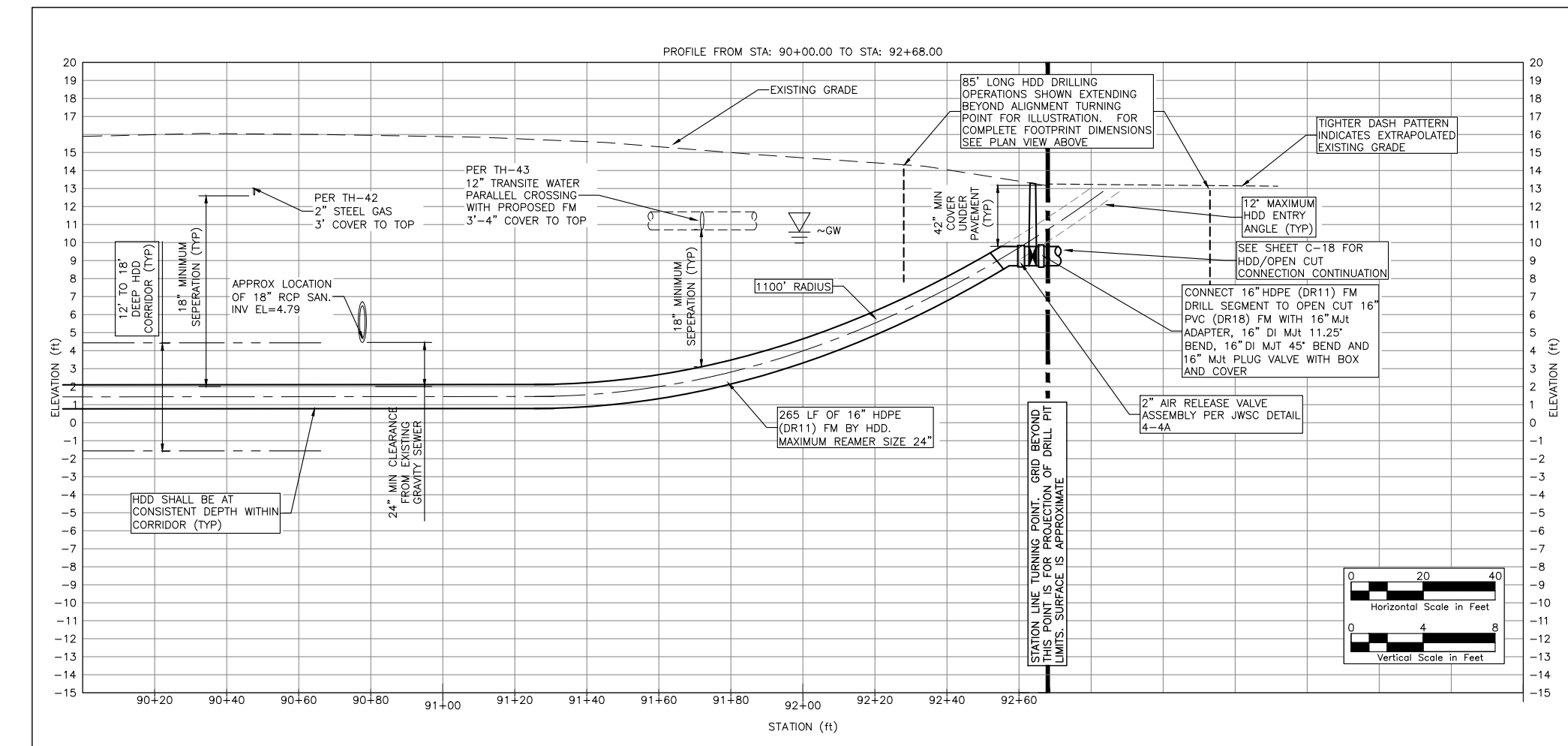
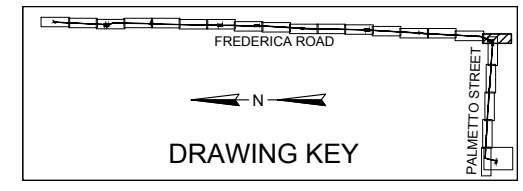
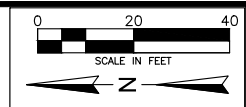
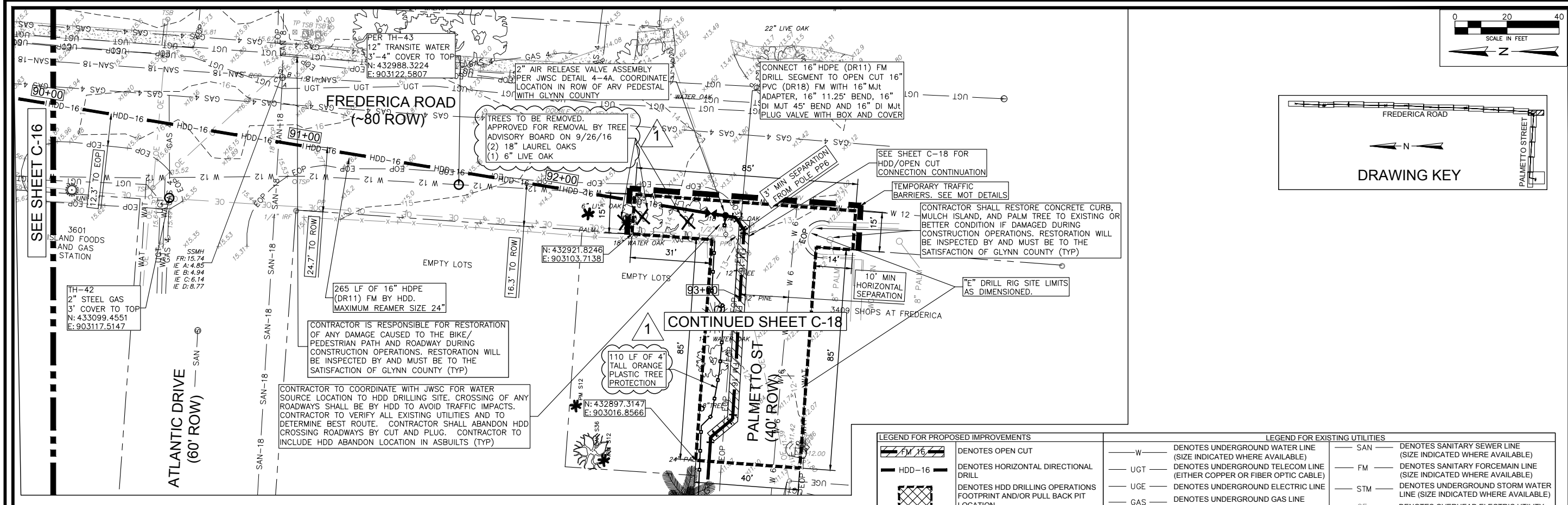
BGJWSC
 ST SIMONS ISLAND, GEORGIA

DESIGN DRAWN
 MKR SLD
 JOB NUMBER 16-1006
 ISSUE DATE OCTOBER 11, 2016
 ISSUE

FOUR WATERS ENGINEERING
 324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250
 904-414-2400 PEF006711 WWW.4WENG.COM

DRAWING NUMBER
EC-12

STEVE DUCHARNE LOCATION R:\16-1006-01_LS_2032\XX\EROSION CONTROL.DWG



REV	DATE	DRWN CHG	BY	DESCRIPTION
1	11-21-18	SLD	MARK	TREE REMOVAL AND PROTECTION UPDATES
2				
3				
4				
5				
6				

BRUNSWICK-GLYNN COUNTY JWSC
 LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
PLAN AND PROFILE
FROM STATION 90+00 TO STATION 92+65

DESIGN	DRAWN	MARK	SLD	JOB	NUMBER	ISSUE	DATE	ISSUE	DATE
				16-1006			OCTOBER 11 2016		

FOUR WATERS ENGINEERING
 324 6th AVE N, JACKSONVILLE BEACH, FLORIDA 32250
 904-414-2400 PEF006711 WWW.4WENG.COM

DRAWING NUMBER
C-17

STEVE DUCHARME LOCATION REV: 16-1006-01 LS 2032XXX.GDS C17.DWG

CONTRACTOR TO COORDINATE WITH JWSC FOR WATER SOURCE LOCATION TO HDD DRILLING SITE. CROSSING OF ANY ROADWAYS SHALL BE BY HDD TO AVOID TRAFFIC IMPACTS. CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND TO DETERMINE BEST ROUTE. CONTRACTOR SHALL ABANDON HDD CROSSING ROADWAYS BY CUT AND PLUG. CONTRACTOR TO INCLUDE HDD ABANDON LOCATION IN ASBUILTS (TYP)

MILL AND RESURFACE 498 SY OF ASPHALT ROADWAY, SEE ROADWAY REPAIR DETAIL (TYP)

INSTALL 16" DI MJT 45° BEND

CONTINUED ON SHEET C-17

FREDERICA ROAD "E" DRILL RIG SITE, DRILLING OPERATIONS FOOTPRINT SHOWN FOR OVERLAP ILLUSTRATION. SEE SHEET C-17 FOR PLAN AND PROFILE DESIGN CONTINUATION

FREDERICA ROAD

110 LF OF 4" TALL ORANGE PLASTIC TREE PROTECTION

90 LF OF 16" PVC (DR18) FM BY OPEN CUT

CONNECT 16" HDPE (DR11) FM DRILL SEGMENT TO OPEN CUT 16" PVC (DR18) FM WITH 16" MJT ADAPTER, 16" DI MJT 11.25° BEND AND 16" DI MJT 45° BEND

CONTRACTOR SHALL INSTALL NEW TRAFFIC PAINT STRIPING PER GLYNN COUNTY STANDARDS TO MATCH EXISTING STRIPING LOCATIONS (TYP)

CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY DAMAGED CAUSED TO ROADWAY DURING CONSTRUCTION OPERATIONS. RESTORATION WILL BE INSPECTED BY AND MUST BE TO THE SATISFACTION OF GLYNN COUNTY (TYP)

LEGEND FOR PROPOSED IMPROVEMENTS

	DENOTES OPEN CUT
	DENOTES HORIZONTAL DIRECTIONAL DRILL
	DENOTES HDD DRILLING OPERATIONS FOOTPRINT AND/OR PULL BACK PIT LOCATION

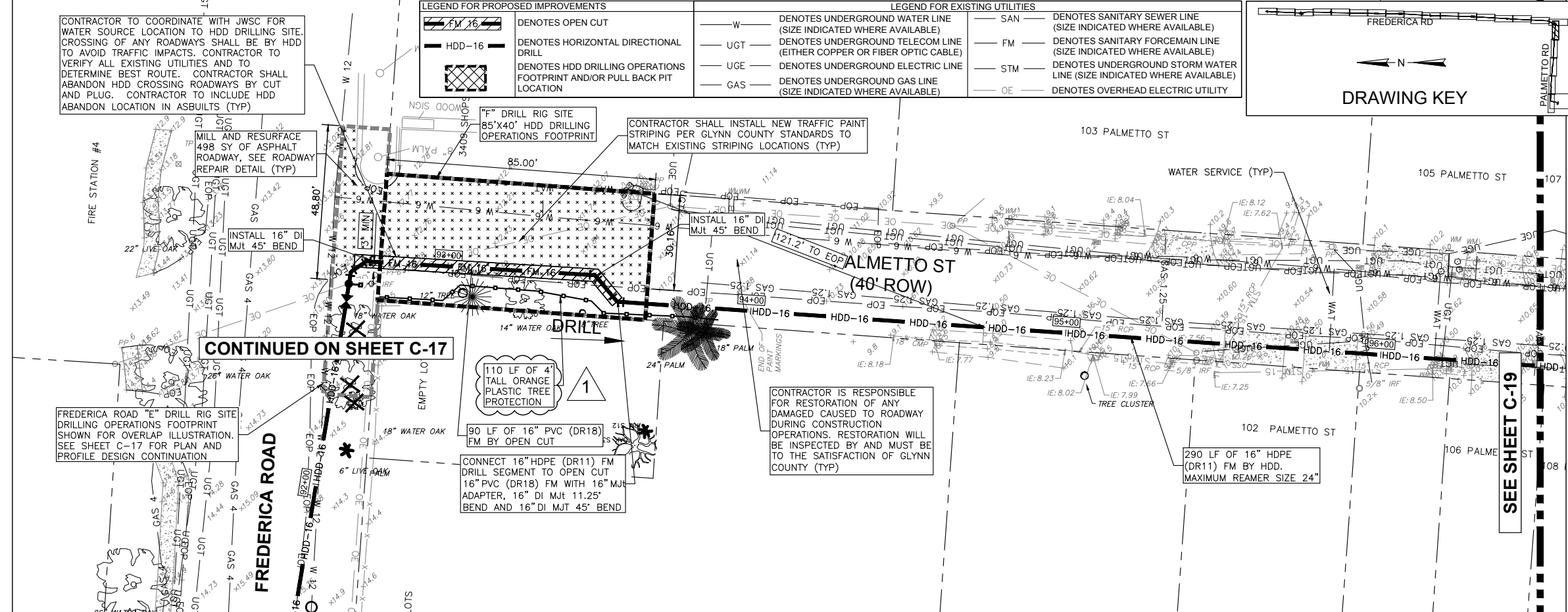
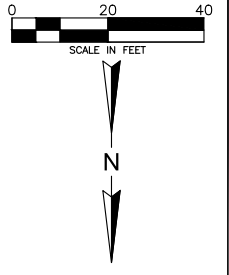
LEGEND FOR EXISTING UTILITIES

W	DENOTES UNDERGROUND WATER LINE (SIZE INDICATED WHERE AVAILABLE)
UGT	DENOTES UNDERGROUND TELECOM LINE (EITHER COPPER OR FIBER OPTIC CABLE)
UGE	DENOTES UNDERGROUND ELECTRIC LINE
GAS	DENOTES UNDERGROUND GAS LINE (SIZE INDICATED WHERE AVAILABLE)

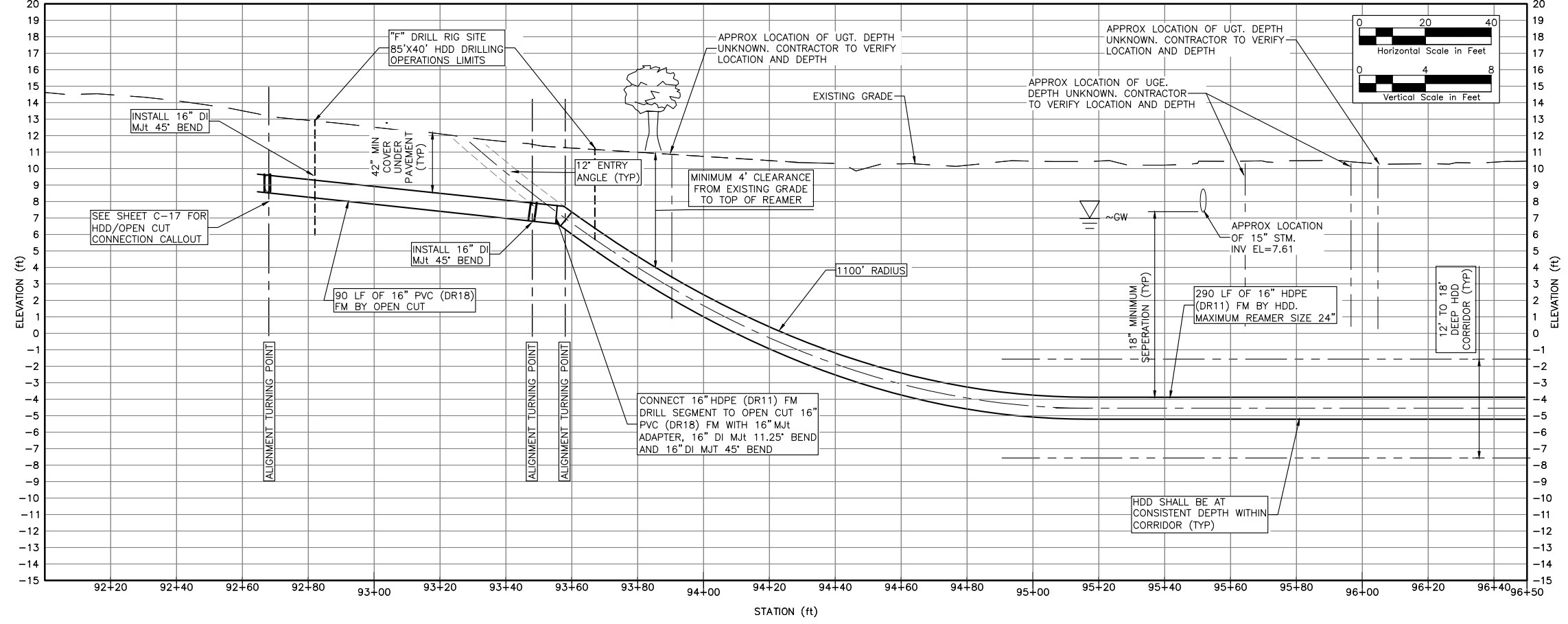
LEGEND FOR EXISTING UTILITIES

SAN	DENOTES SANITARY SEWER LINE (SIZE INDICATED WHERE AVAILABLE)
FM	DENOTES SANITARY FORCEMAIN LINE (SIZE INDICATED WHERE AVAILABLE)
STM	DENOTES UNDERGROUND STORM WATER LINE (SIZE INDICATED WHERE AVAILABLE)
OE	DENOTES OVERHEAD ELECTRIC UTILITY

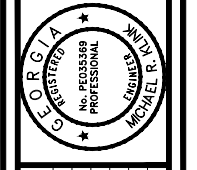
DRAWING KEY



PROFILE FROM STA: 92+00.00 TO STA: 96+50.00



STEVE DUCHARME LOCATION: R16-1006.01 LS 2023.XX.CDS.C18.DWG



REV	DATE	DRWN	CHKD	BY	DESCRIPTION
1	11-21-18	SLD	IMRK		TREE PROTECTION UPDATE
2					
3					
4					
5					
6					

BRUNSWICK-GLYNN COUNTY JWSC
LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
PLAN AND PROFILE
FROM STATION 92+65 TO STATION 96+05
BGJWSC
ST SIMONS ISLAND, GEORGIA

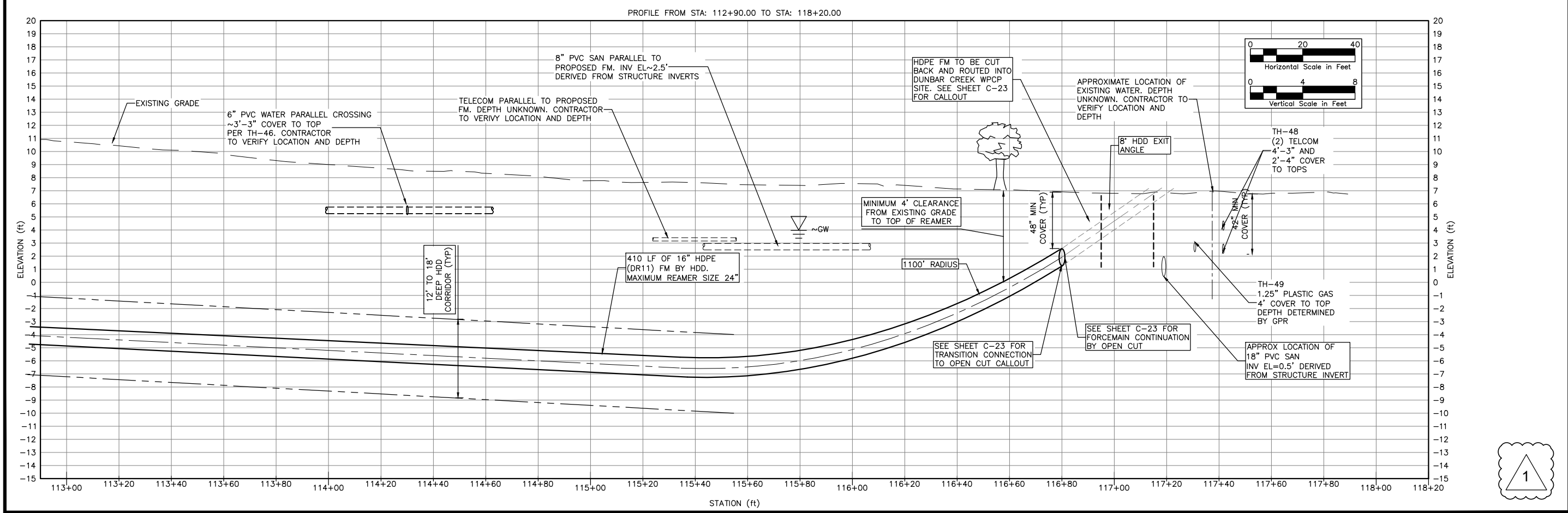
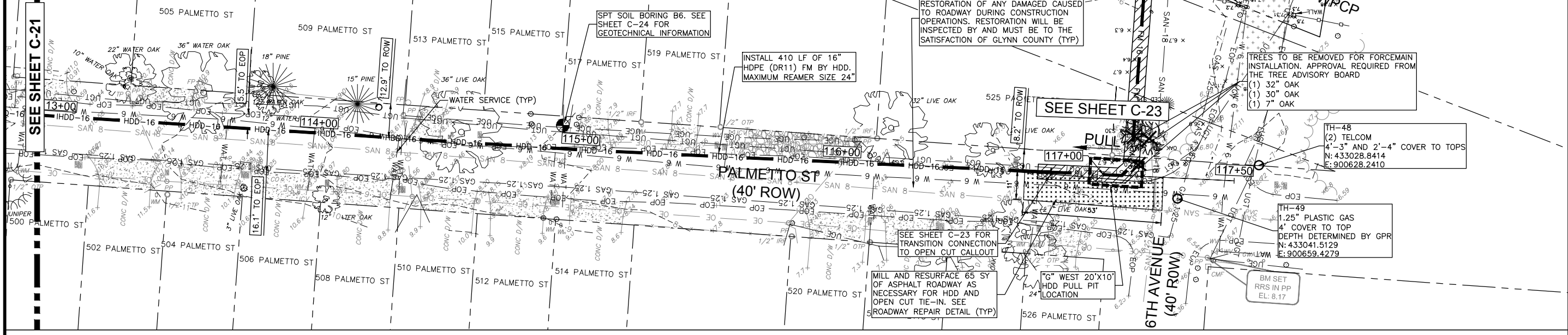
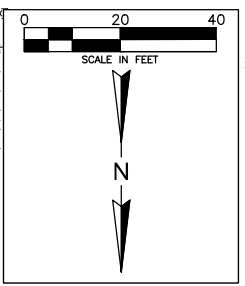
DESIGN	MARK	JOB	NUMBER	ISSUE	DATE	ISSUE	BID
			16-1006		OCTOBER 11, 2016		

FOUR WATERS ENGINEERING
324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250
904-414-2400 PEP006711 WWW.4WENG.COM

DRAWING NUMBER
C-18

DRAWING KEY

LEGEND FOR PROPOSED IMPROVEMENTS		LEGEND FOR EXISTING UTILITIES	
	DENOTES OPEN CUT	W	DENOTES UNDERGROUND WATER LINE (SIZE INDICATED WHERE AVAILABLE)
	DENOTES HORIZONTAL DIRECTIONAL DRILL	UGT	DENOTES UNDERGROUND TELECOM LINE (EITHER COPPER OR FIBER OPTIC CABLE)
	DENOTES HDD DRILLING OPERATIONS FOOTPRINT AND/OR PULL BACK PIT LOCATION	UGE	DENOTES UNDERGROUND ELECTRIC LINE (SIZE INDICATED WHERE AVAILABLE)
		GAS	DENOTES UNDERGROUND GAS LINE (SIZE INDICATED WHERE AVAILABLE)
		SAN	DENOTES SANITARY SEWER LINE (SIZE INDICATED WHERE AVAILABLE)
		FM	DENOTES SANITARY FORCEMAIN LINE (SIZE INDICATED WHERE AVAILABLE)
		STM	DENOTES UNDERGROUND STORM WATER LINE (SIZE INDICATED WHERE AVAILABLE)
		OE	DENOTES OVERHEAD ELECTRIC UTILITY



BRUNSWICK-GLYNN COUNTY JWSC
LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
PLAN AND PROFILE
FROM STATION 113+200 TO STATION 118+00

REV	DATE	DRWN	CHKD	BY	DESCRIPTION
1	11-21-16	SJD	IMR		UPDATE TO WPCP CONNECTION ROUTE
2					
3					
4					
5					
6					

DESIGN: MJK
JOB NUMBER: 16-1006
ISSUE DATE: OCTOBER 11, 2016

DRAWN: SJD
JOB NUMBER: 16-1006
ISSUE DATE: OCTOBER 11, 2016

BRUNSWICK-GLYNN COUNTY JWSC
LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
FROM STATION 113+200 TO STATION 118+00
BGJWJSC
ST SIMONS ISLAND, GEORGIA

FOUR WATERS ENGINEERING
324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250
904-414-2400 PEF006711 WWW.4WENG.COM

DRAWING NUMBER
C-22

LEGEND FOR PROPOSED IMPROVEMENTS

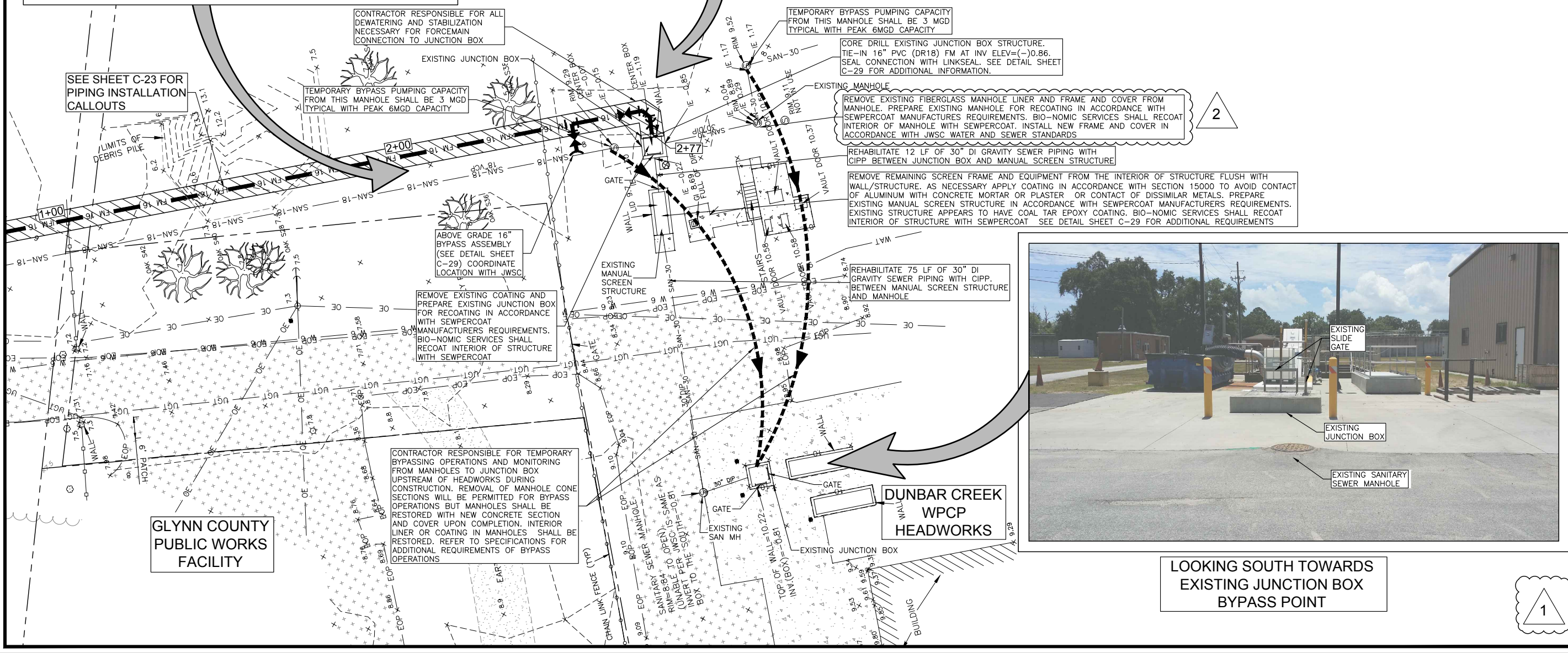
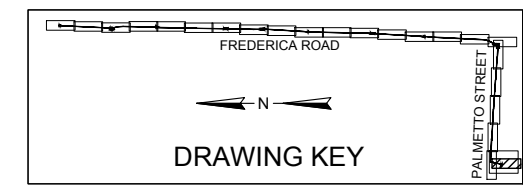
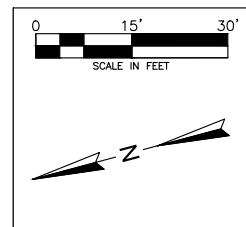
	DENOTES OPEN CUT
	DENOTES HORIZONTAL DIRECTIONAL DRILL
	DENOTES HDD DRILLING OPERATIONS FOOTPRINT AND/OR PULL BACK PIT LOCATION

LEGEND FOR EXISTING UTILITIES

W	DENOTES UNDERGROUND WATER LINE (SIZE INDICATED WHERE AVAILABLE)
UGT	DENOTES UNDERGROUND TELECOM LINE (EITHER COPPER OR FIBER OPTIC CABLE)
UGE	DENOTES UNDERGROUND ELECTRIC LINE
GAS	DENOTES UNDERGROUND GAS LINE (SIZE INDICATED WHERE AVAILABLE)

LEGEND FOR EXISTING UTILITIES

SAN	DENOTES SANITARY SEWER LINE (SIZE INDICATED WHERE AVAILABLE)
FM	DENOTES SANITARY FORCEMAIN LINE (SIZE INDICATED WHERE AVAILABLE)
STM	DENOTES UNDERGROUND STORM WATER LINE (SIZE INDICATED WHERE AVAILABLE)
OE	DENOTES OVERHEAD ELECTRIC UTILITY



LOOKING SOUTH TOWARDS EXISTING JUNCTION BOX BYPASS POINT



REV	DATE	DRWN	CHKD	BY	DESCRIPTION
1	11-21-16	SLD	IMR	IMR	UPDATE TO WPCP CONNECTION ROUTE
2	11-21-16	SLD	IMR	IMR	EXISTING MANHOLE REHABILITATION
3					
4					
5					
6					

BRUNSWICK-GLYNN COUNTY JWSC
LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
INSET PLAN WPCP UPDATES
BG/JWSC
ST SIMONS ISLAND, GEORGIA

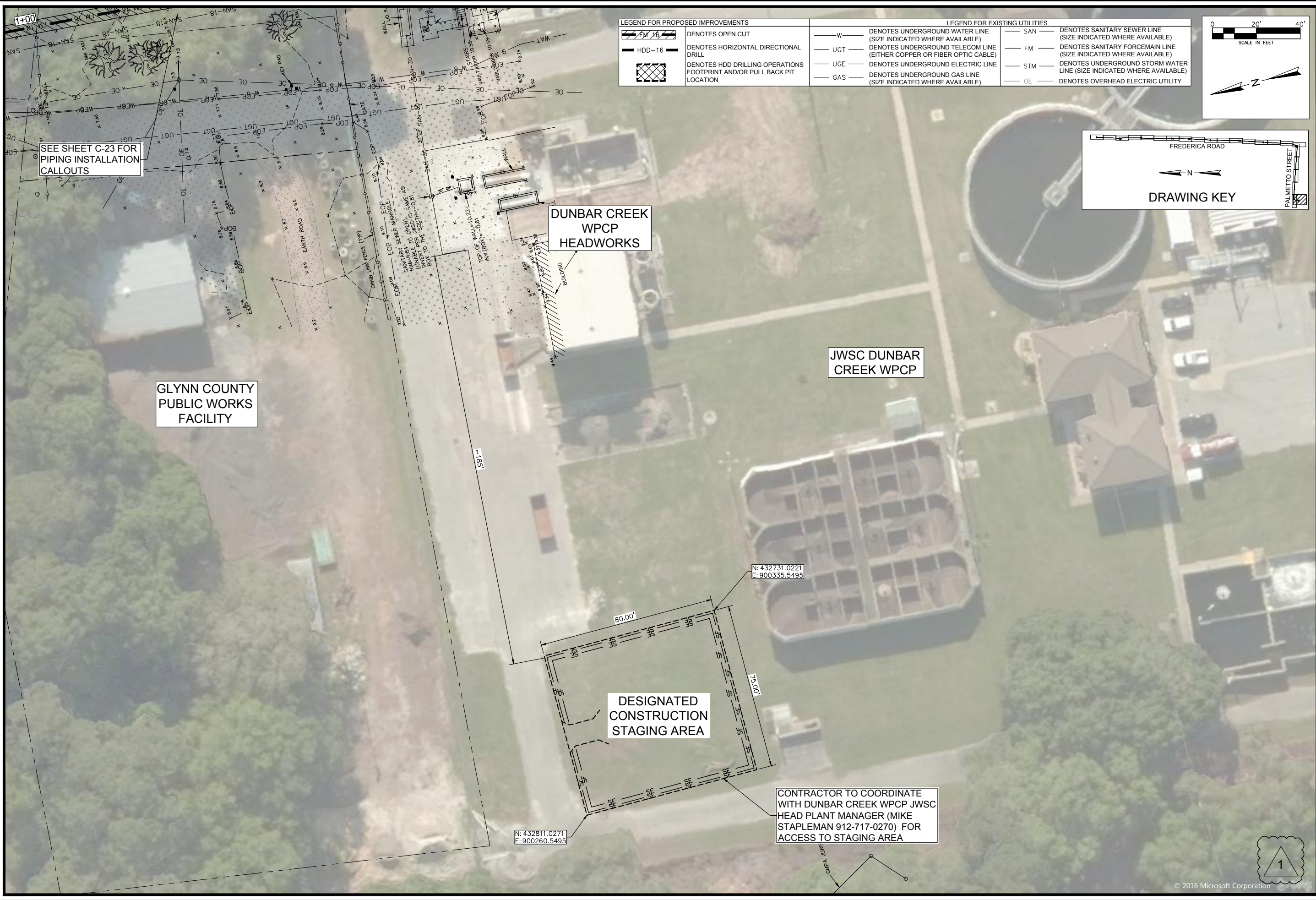
DESIGN	DRAWN	DATE	ISSUE
IMR	SLD	16-1006	ISSUE
IMR	SLD	16-1006	ISSUE
IMR	SLD	16-1006	ISSUE

FOUR WATERS ENGINEERING
324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250
904-414-2400 PEF06711 WWW.4WENG.COM

DRAWING NUMBER
C-23A

STEVE DUCHARME LOCATION REV.16-1006.01 LS 2032XX.GDS C23A.DWG

STEVE DUCHARNE LOCATION REV.16-1006.01 LS 2032XX.GDS C23B.DWG



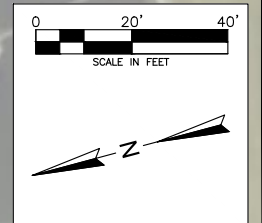
LEGEND FOR PROPOSED IMPROVEMENTS

	DENOTES OPEN CUT
	DENOTES HORIZONTAL DIRECTIONAL DRILL
	DENOTES HDD DRILLING OPERATIONS FOOTPRINT AND/OR PULL BACK PIT LOCATION

LEGEND FOR EXISTING UTILITIES

— W —	DENOTES UNDERGROUND WATER LINE (SIZE INDICATED WHERE AVAILABLE)
— UGT —	DENOTES UNDERGROUND TELECOM LINE (EITHER COPPER OR FIBER OPTIC CABLE)
— UGE —	DENOTES UNDERGROUND ELECTRIC LINE
— GAS —	DENOTES UNDERGROUND GAS LINE (SIZE INDICATED WHERE AVAILABLE)

— SAN —	DENOTES SANITARY SEWER LINE (SIZE INDICATED WHERE AVAILABLE)
— FM —	DENOTES SANITARY FORCEMAIN LINE (SIZE INDICATED WHERE AVAILABLE)
— STM —	DENOTES UNDERGROUND STORM WATER LINE (SIZE INDICATED WHERE AVAILABLE)
— OE —	DENOTES OVERHEAD ELECTRIC UTILITY



SEE SHEET C-23 FOR PIPING INSTALLATION CALLOUTS

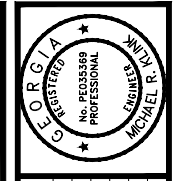
GLYNN COUNTY PUBLIC WORKS FACILITY

DUNBAR CREEK WPCP HEADWORKS

JWSC DUNBAR CREEK WPCP

DESIGNATED CONSTRUCTION STAGING AREA

CONTRACTOR TO COORDINATE WITH DUNBAR CREEK WPCP JWSC HEAD PLANT MANAGER (MIKE STAPLEMAN 912-717-0270) FOR ACCESS TO STAGING AREA



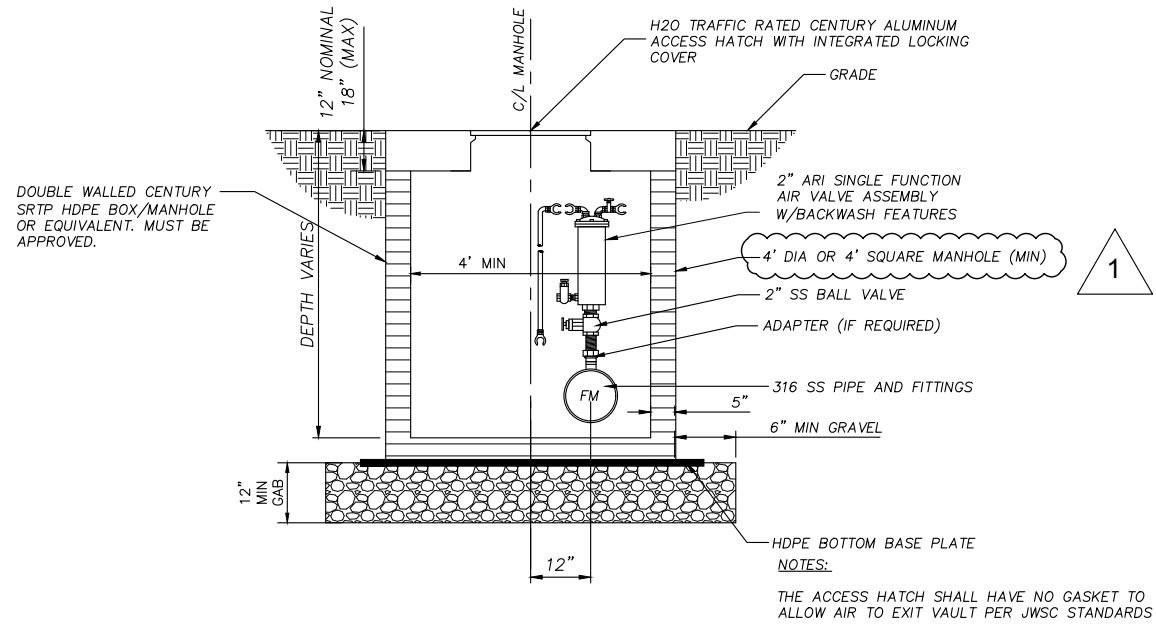
REV. NO.	DATE	DRWN. CHKD. BY	DESCRIPTION
1	11-21-16	SLD / MKR	UPDATE TO WPCP CONNECTION ROUTE
2			
3			
4			
5			
6			

BRUNSWICK-GLYNN COUNTY JWSC
LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
CONSTRUCTION STAGING AREA
BG/JWSC
ST SIMONS ISLAND, GEORGIA

DESIGN MRK. NUMBER	DESIGN JOB NUMBER	DATE	ISSUE
16-1006		OCTOBER 11, 2016	BID

FOUR WATERS ENGINEERING
324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250
904-414-2400 PEF006711 WWW.4WENG.COM

DRAWING NUMBER
C-23B



1

NOT TO SCALE



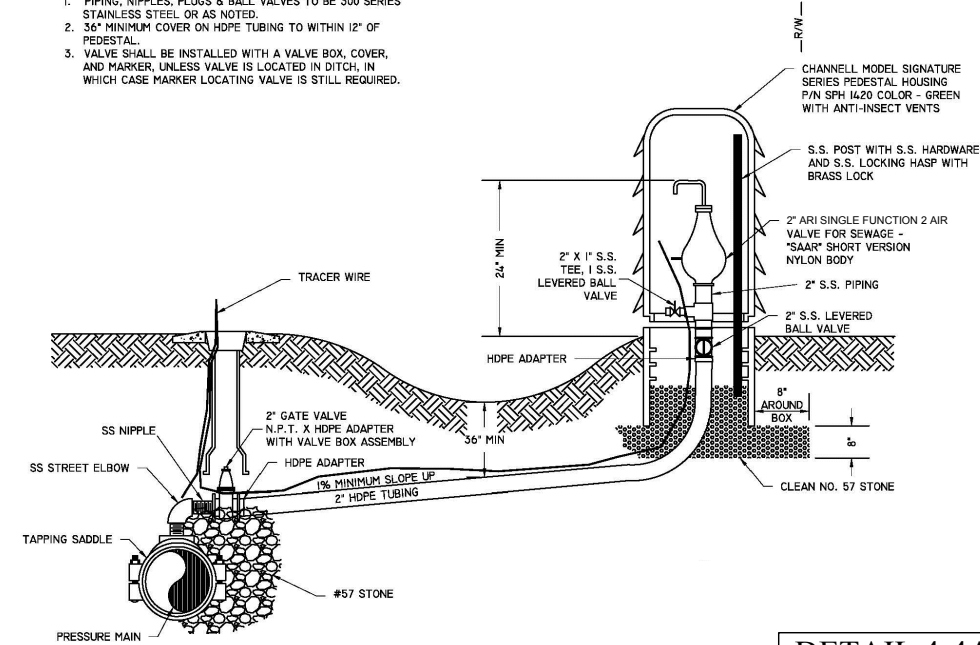
**BRUNSWICK-GLYNN COUNTY
JOINT WATER & SEWER
COMMISSION**
700 Gloucester Street, Suite 300 Brunswick, Georgia 31520
Phone: (912) 261-7110 Fax: (912) 261-7178 Website: www.bgjwsc.org

ARV HDPE BOX/MANHOLE

JWSC STANDARD DETAIL 4-4B

Date: OCTOBER 2011

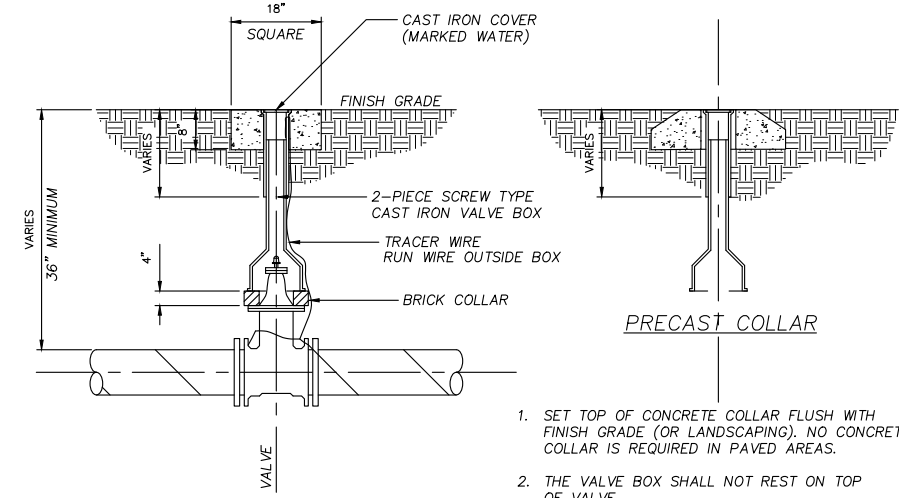
- NOTES:
1. PIPING, NIPPLES, PLUGS & BALL VALVES TO BE 300 SERIES STAINLESS STEEL OR AS NOTED.
2. 36" MINIMUM COVER ON HDPE TUBING TO WITHIN 12" OF PEDESTAL.
3. VALVE SHALL BE INSTALLED WITH A VALVE BOX, COVER, AND MARKER, UNLESS VALVE IS LOCATED IN DITCH, IN WHICH CASE MARKER LOCATING VALVE IS STILL REQUIRED.



DETAIL 4-4A

SEWER AIR RELEASE PEDESTAL ASSEMBLY

NOT TO SCALE



1. SET TOP OF CONCRETE COLLAR FLUSH WITH FINISH GRADE (OR LANDSCAPING). NO CONCRETE COLLAR IS REQUIRED IN PAVED AREAS.
2. THE VALVE BOX SHALL NOT REST ON TOP OF VALVE.
3. PRECAST CONCRETE COLLARS MAY BE USED UPON APPROVAL OF THE BGJWSC REPRESENTATIVE. SEE ALTERNATE DETAIL ABOVE.

NOT TO SCALE

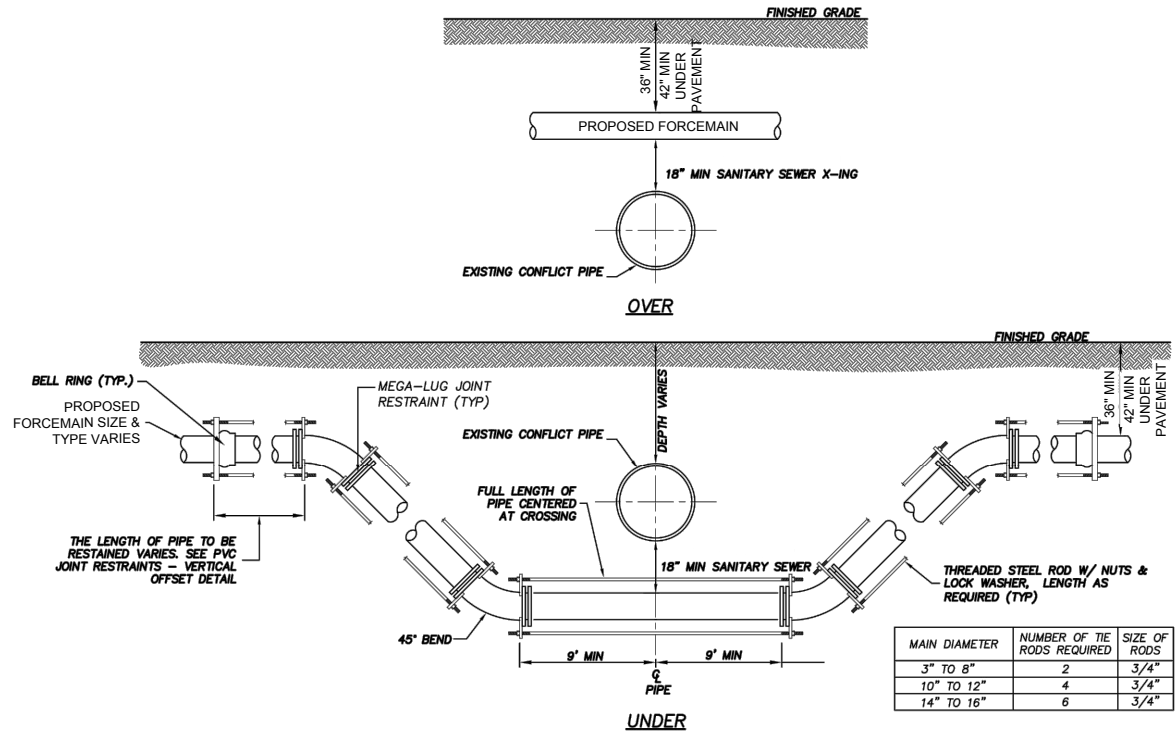


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SEWER VALVE DETAIL

JWSC STANDARD DETAIL 2-13

Date: AUGUST 2011



MAIN DIAMETER	NUMBER OF TIE RODS REQUIRED	SIZE OF RODS
3" TO 8"	2	3/4"
10" TO 12"	4	3/4"
14" TO 16"	6	3/4"

NOT TO SCALE



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UTILITY CONFLICT DETAIL

JWSC STANDARD DETAIL 2-2A

Date: AUGUST 2011



REV	DATE	BY	CHKD	DESCRIPTION
1	11-21-18	SLD	MRK	UPDATE TO ARV MANHOLE CALLOUT
2				
3				
4				
5				
6				

BRUNSWICK-GLYNN COUNTY JWSC
LIFT STATION 2032 REGIONAL FORCEMAIN IMPROVEMENTS
CONSTRUCTION DETAILS
BGJWSC
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DESIGN	DATE	ISSUE	BID
MRK	16-1006		
JOB NUMBER	16-1006		
ISSUE DATE	OCTOBER 11 2016		

**FOUR WATERS
ENGINEERING**
324 6th AVE N. JACKSONVILLE BEACH, FLORIDA 32250
904-414-2400 PEF006711 WWW.FOURWATERS.COM

DRAWING NUMBER
C-26

STEVE DUCHARME LOCATION: R:\16-1006-01_LS_2032\XX\GDS_GENERAL_DETAILS.DWG