

## MARTIN COUNTY, FLORIDA

DISCLAIMER: UNIVERSALPEGASUS INTERNATIONAL MAKES NO WARRANTY (EXPRESSED, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE CONTRACTOR PLACES ON THE INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS, IS DONE SO AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY EXCAVATION.

SURVEY DATA	STATIONING	MATERIAL	REVISIONS
MATCHLINE 6500+00	6500+00 TO 6550+00	538' 4" CCC 2309'	1. IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT) 2016-04-08 MB MJ RG 2. ISSUED FOR CONSTRUCTION 2015-12-15 MB MJ RG
MATCHLINE 6500+00	6500+00 TO 6550+00	10-1/2" SIBU 11.5 CC 2011'	3. SEE REF DWG

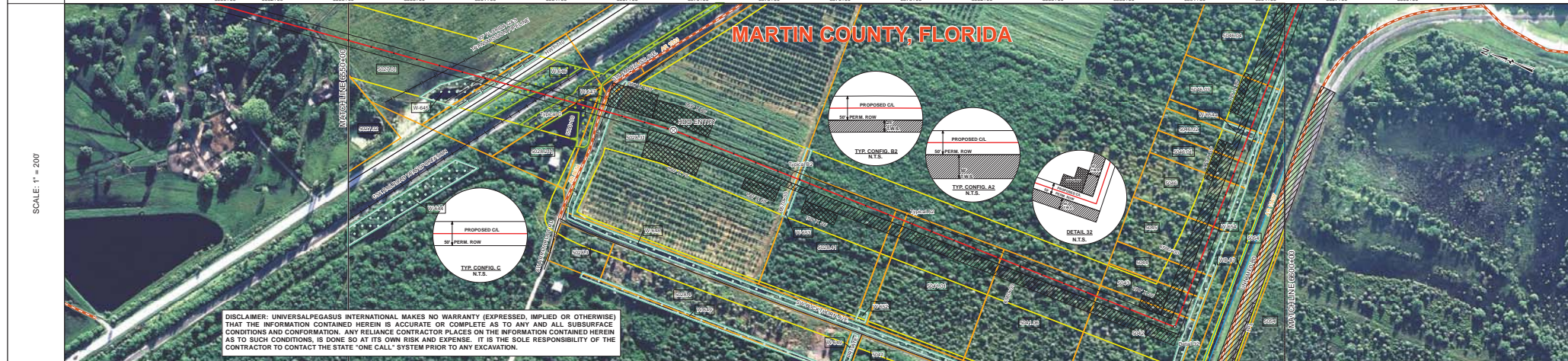
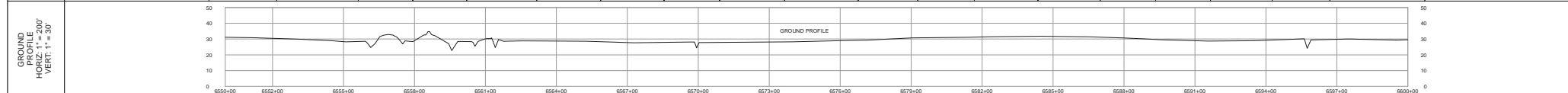
BILL OF MATERIALS				MISCELLANEOUS MATERIALS				TYPICAL DRAWINGS				GENERAL INFORMATION			
ITEM NO.	QTY	UOM	DESCRIPTION	QTY	UOM	DESCRIPTION	DWG/FIELD BOOK NO.	TITLE	1.	2.	3.	4.	5.		
7	2000	FT	30" O.D. x 0.429" W.T. API 5L X70 PSL2 DRAM, 14.16 MILS FBE			SET ON WEIGHTS	21040-510-TYP-2001	CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1	THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS, OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.	THE BOUNDARIES OF ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE DESIGNATED WORK AREA.	THE REQUIRED STATE ONE CALL NOTIFICATION IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR.	THE CONTRACTOR SHALL ACCESS THE WORK AREA USING ONLY PUBLIC ROADS AND APPROVED ACCESS ROADS.	ADDITIONAL WARNING SIGNS MAY BE REQUIRED AS DICTATED BY LOCAL MUNICIPAL CONTRACT.		
10	20	EA	30" O.D. x 0.617" W.T. API 5L X70 PSL2 DRAM, 14.16 MILS FBE & 24.30 MILS ARO			WARNING SIGNS	21040-510-TYP-2002	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2							
11	80	FT	30" O.D. x 0.514" W.T. API 5L X70 PSL2 DRAM, 14.16 MILS FBE			CP TEST STATION TYPE 1	21040-510-TYP-2012	CONTINUOUS CONCRETE COATING STANDARD FOR 36"/30" PIPELINE							
<b>FITTINGS SUMMARY</b>				<b>CONTINUOUS CONCRETE COATING</b>				<b>SPECIAL NOTES</b>							
1	1	EA	8" 3R VERTICAL FITTING	336	FT	8" OF CONTINUOUS CONCRETE COATING (140 PCF DENSITY CONCRETE)	21040-510-TYP-2016	AERIAL MARKER INSTALLATION DETAIL	1. INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 21040-SG-SEW-00001.	2. ⚠️ - SEE AERK DRAWING PACKAGE FOR ANODE BED DEEP WELL.					
<b>PIPE ASSEMBLIES</b>				<b>PIPE COATING DATA</b>											
QTY	UOM	DESCRIPTION	PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO		SOFT WELD COATING: 2 PART EPOXY		INTERNAL COATING (YES/NO): NO								

<b>LEGEND</b> 	<b>REVISIONS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV BY</th> <th>CHK BY</th> <th>APP BY</th> </tr> <tr> <td>1</td> <td>IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT)</td> <td>2016-04-08</td> <td>MB</td> <td>MJ</td> <td>RG</td> </tr> <tr> <td>2</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2015-12-15</td> <td>MB</td> <td>MJ</td> <td>RG</td> </tr> </table>	NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY	1	IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT)	2016-04-08	MB	MJ	RG	2	ISSUED FOR CONSTRUCTION	2015-12-15	MB	MJ	RG	<b>APPROVALS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DRIVEN BY:</td> <td>MB</td> <td>CONSTRUCTION PERMIT NO.</td> </tr> <tr> <td>CHECKED BY:</td> <td>MJ</td> <td>MAINTENANCE OPERATION REGION</td> </tr> <tr> <td>PROJECT MANAGER:</td> <td>RG</td> <td>MIN. TEST PRESSURE 1816 PSI</td> </tr> <tr> <td>PROJECT DEP. NO.:</td> <td></td> <td>DESIGN PRESSURE 1440 PSI</td> </tr> </table>	DRIVEN BY:	MB	CONSTRUCTION PERMIT NO.	CHECKED BY:	MJ	MAINTENANCE OPERATION REGION	PROJECT MANAGER:	RG	MIN. TEST PRESSURE 1816 PSI	PROJECT DEP. NO.:		DESIGN PRESSURE 1440 PSI
NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY																											
1	IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT)	2016-04-08	MB	MJ	RG																											
2	ISSUED FOR CONSTRUCTION	2015-12-15	MB	MJ	RG																											
DRIVEN BY:	MB	CONSTRUCTION PERMIT NO.																														
CHECKED BY:	MJ	MAINTENANCE OPERATION REGION																														
PROJECT MANAGER:	RG	MIN. TEST PRESSURE 1816 PSI																														
PROJECT DEP. NO.:		DESIGN PRESSURE 1440 PSI																														

<b>FLORIDA SOUTHEAST CONNECTION PROJECT</b> STA: 6500+00 TO 6550+00		DISCIPLINE: 03
<b>FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET 1 MARTIN COUNTY, FLORIDA</b>		
SCALE: 1" = 200' 	21040-510-ALS-00137	REV. 1
SHEET 137		



TRACT	5027.01 SOUTH FLORIDA WATER MANAGEMENT DISTRICT 8 MARTIN COUNTY 628 FT 6559+00 TO 6559+28	HWY 710 & CEX FUTURE ROAD TRANSPORTATION 387 FT 6559+28 TO 6559+95	9126.211 RUTH ANN HOLT 91 FT 6559+95 TO 6560+78	5028.11 SW AMARILLES AVE MARTIN COUNTY 30 FT 6560+78 TO 6561+15	5028.41 CITRUS STAR, INC. 493 FT 6561+15 TO 6569+88	5028.41 LONEL FRANCIS AND ENGLINE FRANCIS 438 FT 6569+88 TO 6574+26	MARTIN COUNTY ROW 50 FT 6574+26 TO 6574+76	5041.01 JOHN B. MARION 438 FT 6574+76 TO 6579+12	5041.06 RICHARD F. MCCARTHY 438 FT 6579+12 TO 6583+48	5042 EVERLEY FARQUHARSON 440 FT 6583+48 TO 6587+58	5043 FREDERICK PADIEL FRANK PADIEL, JR. 100 FT 6587+58 TO 6588+58	5044 JEAN G. ARISTHIL 100 FT 6588+58 TO 6589+58	5045 LECLEUC JOSEPH AND MARIE E. JOSEPH 200 FT 6589+58 TO 6591+58	5046 RITZNER ESTHE AND FRITZCLINE ESTHE 200 FT 6591+58 TO 6593+58	5046.01 WESNER MENTOR 100 FT 6593+58 TO 6594+58	5046.02 IMELDA MARTINEZ 95 FT 6594+58 TO 6595+47	MARTIN COUNTY ROW 45 FT 6595+47 TO 6595+97	5046.03 JUDE MENTOR 201 FT 6595+97 TO 6597+98	5046.04 ERNST FRANCELION AND NAOMIE FRANCELION, HUSBAND AND WIFE 202 FT 6597+98 TO 6600+00
-------	---	--	---	---	---	---	--	--	---	--	---	---	---	---	---	--	--	---	--



**DISCLAIMER:** UNIVERSALPEGASUS INTERNATIONAL MAKES NO WARRANTY (EXPRESSED, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE CONTRACTOR PLACES ON THE INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS, IS DONE SO AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY EXCAVATION.

SURVEY DATA	STATIONING	ENGINEERING DATA		ENVIRONMENTAL DATA
		MATERIAL	STATIONS	
21040-440-FMW-00556	21040-505-HDW-12003	21040-440-FMW-10003	21040-440-FMW-00557	
1420'	1420'	1420'	1420'	
916'	916'	916'	916'	
2066'	2066'	2066'	2066'	
13760'	1115 CC	11	393'	
11	11	11	11	
7	7	7	7	

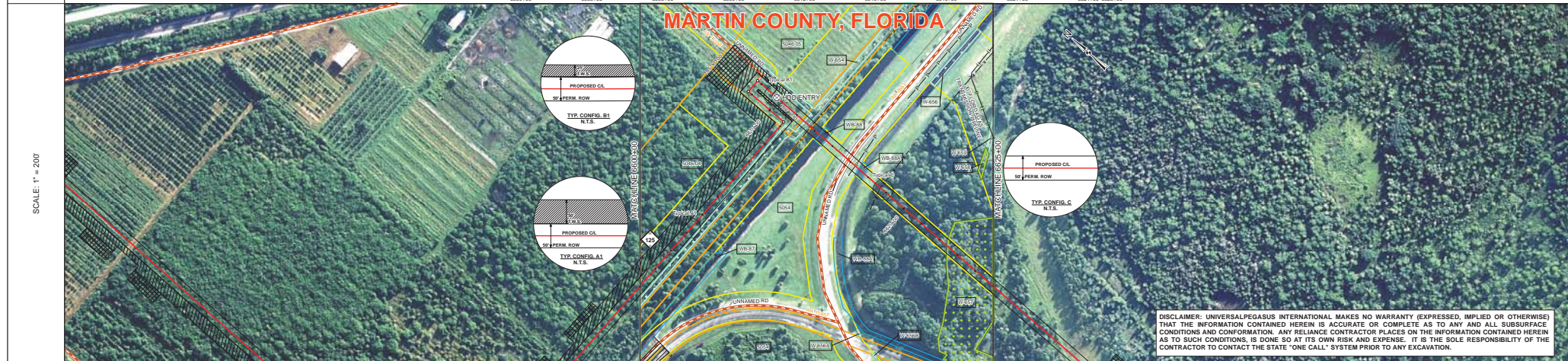
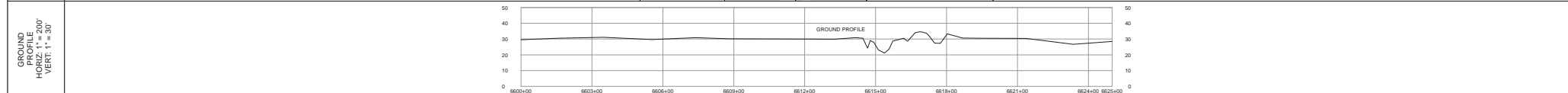
BILL OF MATERIALS				MISCELLANEOUS MATERIALS				TYPICAL DRAWINGS				GENERAL INFORMATION				LEGEND				REVISIONS				APPROVALS																		
ITEM NO.	QTY	UOM	DESCRIPTION	ITEM NO.	QTY	UOM	DESCRIPTION	DWG/FIELD BOOK NO.	TITLE	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	NO.	DESCRIPTION	DATE	REV BY	APP BY	DRAWN BY	MB	CONSTRUCTION PERMIT NO.															
1	3375	FT	30" O.D. x 0.429" W.T. API 5L X70, PSL2, DSAW, 14.18 MILS FBE	25	EA		SET ON WEIGHTS	21040-510-TYP-20001	CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1	1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS, AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS. SITE SPECIFIC DRAWINGS OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.								<table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV BY</th> <th>APP BY</th> </tr> <tr> <td>1</td> <td>IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT)</td> <td>2016-04-08</td> <td>MB</td> <td>MJ</td> <td>RG</td> </tr> <tr> <td>2</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2015-12-15</td> <td>MB</td> <td>MJ</td> <td>RG</td> </tr> </table>				NO.	DESCRIPTION	DATE	REV BY	APP BY	1	IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT)	2016-04-08	MB	MJ	RG	2	ISSUED FOR CONSTRUCTION	2015-12-15	MB	MJ	RG				
NO.	DESCRIPTION	DATE	REV BY	APP BY																																						
1	IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT)	2016-04-08	MB	MJ	RG																																					
2	ISSUED FOR CONSTRUCTION	2015-12-15	MB	MJ	RG																																					

FITTINGS SUMMARY				CONTINUOUS CONCRETE COATING				PIPE COATING DATA				SPECIAL NOTES			
ITEM NO.	QTY	UOM	DESCRIPTION	ITEM NO.	QTY	UOM	DESCRIPTION	ITEM NO.	QTY	UOM	DESCRIPTION	1.	2.	3.	
1	EA		90° 3/8" VERTICAL FITTING	21040-510-TYP-20014			TYPICAL PIPELINE CROSSING FOR 36"/30" PIPELINE	21040-510-TYP-20016			AERIAL MARKER DETAIL	1. INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 21040-SSE-FW-00001.			
1	EA		90° 3/8" HORIZONTAL FITTING	21040-510-TYP-20015			AERIAL MARKER INSTALLATION DETAIL	21040-510-TYP-20017			TYPICAL PIPELINE MARKER ASSEMBLY	2. A - SEE AERK DRAWING PACKAGE FOR ANODE BED DEEP WELL.			
1	EA		PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO	21040-510-TYP-20018			PIPELINE MARKER "WARNING" DECAL	21040-510-TYP-20018			PIPELINE MARKER "WARNING" DECAL				

FLORIDA SOUTHEAST CONNECTION PROJECT
   
 21040-510-ALS-00138
   
 ALIGNMENT SHEET
   
 MARTIN COUNTY, FLORIDA
   
 SCALE: 1" = 200'      21040-510-ALS-00138      REV. 1



TRACT	5046.04 ERNEST FRANCHILLON AND NADINE FRANCHILLON HUSBAND AND WIFE 807 FT 6600+00 TO 6609+97	5046.05 THE CHESTER FAMILY REVOCABLE LIVING TRUST 532 FT 6609+97 TO 6614+29	504 MARTIN COUNTY 51 FT 6614+29 TO 6614+80	9054 FLORIDA POWER & LIGHT COMPANY 1930 FT 6614+80 TO 6625+00
-------	---	--	---	--



DISCLAIMER: UNIVERSALPEGASUS INTERNATIONAL MAKES NO WARRANTY (EXPRESSED, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE CONTRACTOR PLACES ON THE INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS, IS DONE SO AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY EXCAVATION.

SURVEY DATA	STATIONING	MATCHLINE 6600+00	MATCHLINE 6625+00
-------------	------------	-------------------	-------------------

ENGINEERING DATA	MATERIAL	MATCHLINE 6600+00	MATCHLINE 6625+00
REFERENCE DRAWING			
CLASS LOCATION			
MINIMUM DEPTH OF COVER			
INSTALLATION CATHODIC PROTECTION			
INTERSECTION WETLAND CROSSINGS			
INTERSECTION WETLAND AVOIDANCE			

ENVIRONMENTAL DATA	STATIONS	MATCHLINE 6600+00	MATCHLINE 6625+00
PERMITTING			
EROSION CONTROL CODE			
SOILS			
TOPSOIL SALVAGE			
THREATENED AND ENDANGERED SPECIES			
TRAILING CONSTRAINT			
CONSTRAINT 1			
CONSTRAINT 2			
CONSTRAINT 3			
CONSTRAINT 4			

BILL OF MATERIALS		MISCELLANEOUS MATERIALS		TYPICAL DRAWINGS		GENERAL INFORMATION		LEGEND		REVISIONS		APPROVALS									
ITEM NO.	QTY	UOM	RECN NUMBER	MATERIAL NUMBER	DESCRIPTION	DWG/FIELD BOOK NO.	TITLE	1. THE MINIMUM DEPTH OF COVER FOR THE PROJECT IS 36 INCHES. ADDITIONAL DEPTH OF COVER IS REQUIRED FOR ROAD AND WATERBODY CROSSINGS AND IS TO BE IN ACCORDANCE WITH REFERENCED PERMIT DRAWINGS, SITE SPECIFIC DRAWINGS OR CONSTRUCTION SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.	PIPELINE ROUTE	PERMITTING CODE	NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY	DRAWN BY	MB	CONSTRUCTION PERMIT NO.	PERMIT NO.	
7	1207	FT			30" O.D. X 0.429" W.T. API 5L X70 PSL2 DSAM, 14-16 MILS FBE		SET ON WEIGHTS	2. THE BOUNDARIES OF ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE DESIGNATED WORK AREA.	PIPELINE LINE	ENVIRONMENTAL	1	IFC (UPDATE ENV. RE-ROUTES, FOOT-PRINT)	2016-04-08	MB	MJ	RG	PROJECT MANAGER	RG	MIN. TEST PRESSURE	1816	PSI
10	1213	FT			30" O.D. X 0.617" W.T. API 5L X70 PSL2 DSAM, 14-16 MILS FBE & 24-30 MILS ARO		PIPELINE MARKERS	3. THE REQUIRED STATE ONE CALL NOTIFICATION IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR.	PIPELINE TIE	NON-FORRESTED WETLAND	0	ISSUED FOR CONSTRUCTION	2015-12-15	MB	MJ		PROJECT DEF. NO.		DESIGN PRESSURE	1440	PSI
11	80	FT			30" O.D. X 0.514" W.T. API 5L X70 PSL2 DSAM, 14-16 MILS FBE		WARNING SIGNS	4. THE CONTRACTOR SHALL ACCESS THE WORK AREA USING ONLY PUBLIC ROADS AND APPROVED ACCESS ROADS.	PIPELINE BEND	FORRESTED WETLAND											
								5. ADDITIONAL WARNING SIGNS MAY BE REQUIRED AS DICTATED BY CONSTRUCTION CONTRACT.	PIPELINE VALVE	WATERBODY											
								6. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 9801 FEET. VERTICAL DATUM: NAVD 83.	PIPELINE WELLDROP	WATERBODY BUFFER											
FITTINGS SUMMARY		CONTINUOUS CONCRETE COATING		PIPE COATING DATA		SPECIAL NOTES		REVISIONS		APPROVALS		APPROVALS									
ITEM NO.	QTY	UOM	RECN NUMBER	MATERIAL NUMBER	DESCRIPTION	21040-510-TYP-2001	CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1	1. INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 21040-SIG-FW-000001.	APPROVAL	COMPANY											
1	EA				8" 3R VERTICAL FITTING	21040-510-TYP-2002	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2	2. A - SEE ARK DRAWING PACKAGE FOR ANODE BED DEEP WELL.	ENVIRONMENTAL	LAND											
3	EA				30" 3R HORIZONTAL FITTING	21040-510-TYP-2012	TYPICAL OPEN CUT / BORE														
						21040-510-TYP-2013	CONTINUOUS CONCRETE COATING STANDARD FOR 36"/30" PIPELINE														
						21040-510-TYP-2014	TYPICAL SADDLE BAG WEIGHTS														
						21040-510-TYP-2015	WARNING SIGN DETAIL														
						21040-510-TYP-2016	AERIAL MARKER INSTALLATION DETAIL														
						21040-510-TYP-2017	AERIAL MARKER DETAIL														
						21040-510-TYP-2018	TYPICAL PIPELINE MARKER ASSEMBLY														
						21040-510-TYP-2019	PIPELINE MARKER "WARNING" DECAL														



