



SURVEY DATA		STATIONING	
ENGINEERING DATA		MATERIAL	
ENVIRONMENTAL DATA		STATIONS	
REFERENCE DRAWING CLASS LOCATION MINIMUM DEPTH OF COVER AC MITIGATION / CATHODIC PROTECTION		21040-440-PMW-00022 Class II 3" SEE REF DWG 3"	
WATERBODY/WETLAND CROSSINGS WATERBODY/WETLAND LENGTH		THIS BAND NOT UTILIZED THIS BAND NOT UTILIZED THIS BAND NOT UTILIZED	
PERMANENT EROSION CONTROL SLOPE BREAKER CODE TOPSOIL SALVAGE		THIS BAND NOT UTILIZED THIS BAND NOT UTILIZED THIS BAND NOT UTILIZED	
THREATENED AND ENDANGERED SPECIES TIMING CONSTRAINT CONSTRAINT 2 CONSTRAINT 3 CONSTRAINT 4		THIS BAND NOT UTILIZED THIS BAND NOT UTILIZED THIS BAND NOT UTILIZED	

BILL OF MATERIALS				MISCELLANEOUS MATERIALS				TYPICAL DRAWINGS		GENERAL INFORMATION		REVISIONS				APPROVALS			
ITEM NO.	QTY	UOM	DESCRIPTION	QTY	UOM	DESCRIPTION	DWG/FIELD BOOK NO.	TITLE	1.	2.	NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY	DRAWN BY:	MB	CONSTRUCTION PERMIT NO.
4	80	FT	36" O.D. x 0.750" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO	0	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.	2. THE BOUNDARIES OF ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE DESIGNATED WORK AREA.	1	IFC (UPDATE ENV., RE-ROUTES, FOOT-PRINT)	2016-04-08	MB	MJ	RG	MJ	MB	1816 PSI
5	2920	FT	36" O.D. x 0.625" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE	3	EA	PIPELINE MARKERS	21040-510-TYP-20002	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2	3. THE REQUIRED STATE ONE CALL NOTIFICATION IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR.	4. THE CONTRACTOR SHALL ACCESS THE WORK AREA USING ONLY PUBLIC ROADS AND APPROVED ACCESS ROADS.	0	ISSUED FOR CONSTRUCTION	2015-12-15	MB	MJ	RG	MJ	MB	1440 PSI
FITTINGS SUMMARY ITEM NO. QTY UOM REQN MATERIAL NUMBER DESCRIPTION 2 EA 90° 3R HORIZONTAL FITTING				CONTINUOUS CONCRETE COATING ITEM NO. QTY UOM REQN MATERIAL NUMBER DESCRIPTION 0 EA ANODE BED DEEP WELL				21040-510-TYP-20012 CONTINUOUS CONCRETE COATING STANDARD FOR 36" / 30" PIPELINE 21040-510-TYP-20013 TYPICAL SADDLE BAG WEIGHTS 21040-510-TYP-20014 WARNING SIGN DETAIL 21040-510-TYP-20015 AERIAL MARKER INSTALLATION DETAIL		SPECIAL NOTES 1. INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 21040-505-FBW-00001. 2. 3 - SEE ARK DRAWING PACKAGE FOR ANODE BED DEEP WELL.		REVISIONS NO. DESCRIPTION DATE REV BY CHK BY APP BY 1 IFC (UPDATE ENV., RE-ROUTES, FOOT-PRINT) 2016-04-08 MB MJ RG 0 ISSUED FOR CONSTRUCTION 2015-12-15 MB MJ RG				APPROVALS DRAWN BY: MJ MB CHECKED BY: MJ MB PROJECT MANAGER: RG MB MJ RG PROJECT DEF. NO.: 			
PIPE ASSEMBLIES QTY UOM DESCRIPTION PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO GIRTH WELD COATING: 2 PART EPOXY INTERNAL COATING (YES/NO): NO				PIPE COATING DATA 21040-510-TYP-20016 AERIAL MARKER DETAIL 21040-510-TYP-20017 TYPICAL PIPELINE MARKER ASSEMBLY 21040-510-TYP-20018 PIPELINE MARKER "WARNING" DECAL				LEGEND HDD PIPE, BORE PIPE, LINE PIPE, 3R RAD FIT, INDUCTION BEND, TRANSITION PIPE, CONT. CONC. COAT., SET ON WEIGHTS, WARNING SIGN, MATERIAL ITEM, AERIAL MARKER, CP TEST STATION, BV MOV / BV & CV, PIPELINE MARKER, PIPELINE MILEPOST, ANODE BED DEEP WELL, PIPELINE ROUTE, FENCE, POWER LINE, TELEPHONE LINE, WATERLINE, SEWER LINE, BURIED CABLE, UTILITY LINE, GENERAL SURVEY, FOREIGN PIPELINE, HIGHWAY / ROAD, PRIVATE ACCESS / SHOOLY ROAD, COUNTY BOUNDARY, ROW PARCEL, PLS3 SECTION LINE, TRAP, WATER WELL, HDD ENTRY / EXIT, PERMANENT ROW, TEMPORARY WORKSPACE, ADDITIONAL TEMPORARY WORKSPACE, NON FORESTED WETLAND, FORESTED WETLAND, WATERBODY, PARCEL NUMBER, WETLAND / WATERBODY NAME, ROOKERY, ROOKERY BUFFER (1000 FEET), TYPICAL DETAIL CONFIGURATION, POINT OF INTERSECTION (PI), SPREAD BREAK, ENVIRONMENTAL SURVEY AREA		STA: 1160+00 TO 1190+00 DISCIPLINE: 03 FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET POLK COUNTY, FLORIDA SCALE: 1" = 200' 21040-510-ALS-00026 REV. 1									