



SURVEY DATA		STATIONING	
MATCHLINE 6450+00	6450+00	MATCHLINE 6450+00	6450+00
MATCHLINE 6450+00	6450+00	MATCHLINE 6500+00	6500+00

ENGINEERING DATA		MATERIAL	
MATCHLINE 6450+00	6450+00	MATCHLINE 6450+00	6450+00
MATCHLINE 6450+00	6450+00	MATCHLINE 6500+00	6500+00

ENVIRONMENTAL DATA		STATIONS	
MATCHLINE 6450+00	6450+00	MATCHLINE 6450+00	6450+00
MATCHLINE 6450+00	6450+00	MATCHLINE 6500+00	6500+00

BILL OF MATERIALS		MISCELLANEOUS MATERIALS		TYPICAL DRAWINGS		GENERAL INFORMATION	
ITEM NO.	QTY	UOM	RECN NUMBER	MATERIAL NUMBER	DESCRIPTION	DWG/FIELD BOOK NO.	TITLE
1	5000	FT			30" O.D. x 0.429" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE	21040-510-TYP-20001	SET ON WEIGHTS
2	3	EA			PIPELINE MARKERS	21040-510-TYP-20002	CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1
3	1	EA			WARNING SIGNS	21040-510-TYP-20028	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2
4	1	EA			CP TEST STATION TYPE 1	21040-510-TYP-20029	CP TEST STATION TYPE 2
5	0	EA			AERIAL MARKERS	21040-510-TYP-20112	TYPICAL OPEN CUT / BORE
6	0	EA			ANODE BED DEEP WELL	21040-510-TYP-20113	CONTINUOUS CONCRETE COATING STANDARD FOR 36" / 30" PIPELINE
7	0	EA				21040-510-TYP-20114	TYPICAL SADDLE BAG WEIGHTS
8	0	EA				21040-510-TYP-20115	WARNING SIGN DETAIL
9	0	EA				21040-510-TYP-20116	AERIAL MARKER INSTALLATION DETAIL
10	0	EA				21040-510-TYP-20117	TYPICAL PIPELINE MARKER ASSEMBLY
11	0	EA				21040-510-TYP-20118	PIPELINE MARKER "WARNING" DECAL

FITTINGS SUMMARY		CONTINUOUS CONCRETE COATING		PIPE COATING DATA		PIPE ASSEMBLIES	
ITEM NO.	QTY	UOM	RECN NUMBER	MATERIAL NUMBER	DESCRIPTION	QTY	UOM
1	423	FT			6" OF CONTINUOUS CONCRETE COATING (140 PCF DENSITY CONCRETE)		
PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO		GIRTH WELD COATING: 2 PART EPOXY		INTERNAL COATING (YES/NO): NO			

SPECIAL NOTES	
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.	
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.	
5. ADDITIONAL WARNING SIGNS MAY BE REQUIRED AS DICTATED BY CONSTRUCTION CONTRACT.	
6. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET. VERTICAL DATUM: NAVD 88.	

LEGEND	
HDD PIPE	PIPELINE ROUTE
BORE PIPE	FENCE
LINE PIPE	POWER LINE
3R RAD HIT	TELEPHONE LINE
INDUCTION BEND	WATERLINE
TRANSITION PIPE	SEWER LINE
CONT. CONC. COAT.	BURIED CABLE
SET ON WEIGHTS	UTILITY LINE
WARNING SIGN	GENERAL SURVEY
MATERIAL ITEM	FOREIGN PIPELINE
AERIAL MARKER	RAILROAD
CP TEST STATION	HIGHWAY / ROAD
BY MOV. / BY A CV	PRIVATE ACCESS / SHOOPLY ROAD
PIPELINE MARKER	COUNTY BOUNDARY
PIPELINE MILEPOST	ROW PARCEL
ANODE BED DEEP WELL	PLSS SECTION LINE
	TRAP
	WATER WELL
	HDD ENTRY / EXIT
	PERMANENT ROW
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE
	NON FORESTED WETLAND
	FORESTED WETLAND
	WATERBODY
	ROCKERY
	ROCKERY BUFFER (1000 FEET)
	POINT OF INTERSECTION (P)
	VERTICAL FITTING
	SPREAD BREAK
	ENVIRONMENTAL SURVEY AREA

REVISIONS		APPROVALS	
NO.	DESCRIPTION	DATE	REV 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:	MB
CHECKED BY:	MJ
PROJECT MANAGER:	RG
PROJECT DEF. NO.:	

FLORIDA SOUTHEAST CONNECTION PROJECT	
STA: 6450+00 TO 6500+00	DISCIPLINE: 03
FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET	
MARTIN COUNTY, FLORIDA	
SCALE: 1" = 200'	21040-510-ALS-00136
	REV. 1