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SURVEY DATA	STATIONING
MATCHLINE 4350+00	4350+47 POWER LINE
MATCHLINE 4350+00	4355+62 FENCE 4355+66 UNNAMED RD 4355+66 CLAR 1402 4355+75 FENCE
MATCHLINE 4350+00	4358+64 POWER LINE
MATCHLINE 4350+00	4359+95 FENCE 4359+99 UNNAMED RD 4360+04 CLAR 1403 4360+16 TOP OF BANK 4360+25 WATER EDGE
MATCHLINE 4350+00	4365+81 TOP OF BANK 4365+88 WATER EDGE 4366+00 4366+20 TOP OF BANK
MATCHLINE 4350+00	4370+97 FENCE
MATCHLINE 4350+00	4372+08 TOP OF BANK 4372+48 CULVERT RT 4F 4372+57 TOP OF BANK 4372+65 UNNAMED RD 4372+83 TOP OF BANK 4372+90 CULVERT RT 4F 4373+00 TOP OF BANK
MATCHLINE 4350+00	4376+37 FENCE 4376+48 MONUMENT LT 25
MATCHLINE 4350+00	4386+42 FENCE
MATCHLINE 4350+00	4388+50 CULVERT
MATCHLINE 4350+00	4390+85 WATER EDGE 4391+33 WATER EDGE
MATCHLINE 4350+00	4399+34 FENCE LT 23 4399+58 FENCE 4399+87 FENCE POST LT 4399+89 FENCE
MATCHLINE 4400+00	MATCHLINE 4400+00

ENGINEERING DATA	MATERIAL
MATCHLINE 4350+00	4352+11
MATCHLINE 4350+00	4355+52 4355+75
MATCHLINE 4350+00	4359+74 4359+95
MATCHLINE 4350+00	4365+80 4366+33
MATCHLINE 4350+00	4370+97
MATCHLINE 4350+00	4373+16
MATCHLINE 4350+00	4376+37
MATCHLINE 4350+00	4386+21
MATCHLINE 4350+00	4390+14 4392+49
MATCHLINE 4350+00	4396+21
MATCHLINE 4400+00	MATCHLINE 4400+00

ENVIRONMENTAL DATA	STATIONS
WATERBODY/WETLAND CROSSINGS	W-432, W-433, W-434, W-435
WATERBODY/WETLAND LENGTH	569', 13', 464', 169', 7', 3', 7'
PERMANENT EROSION CONTROL	4365+61, 4365+83, 4365+88, 4366+00, 4366+40
THREATENED AND ENDANGERED SPECIES	4370+70, 4371+70, 4372+16, 4372+39, 4372+48, 4372+49, 4372+83, 4372+90, 4373+20
SPECIAL CONDITIONS	THIS BAND NOT UTILIZED

BILL OF MATERIALS	MISCELLANEOUS MATERIALS	TYPICAL DRAWINGS	GENERAL INFORMATION
ITEM NO. QTY UOM REQN MATERIAL NUMBER DESCRIPTION	QTY UOM REQN 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.
0 EA 30" O.D. x 0.429" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE	0 EA SET ON WEIGHTS	21040-510-TYP-20001 CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1	2. THE BOUNDARIES OF ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE DESIGNATED WORK AREA.
3 EA PIPELINE MARKERS	7 EA WARNING SIGNS	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.
0 EA CP TEST STATION TYPE 1	0 EA CP TEST STATION TYPE 2	21040-510-TYP-20028 TYPICAL OPEN CUT / BORE	4. THE CONTRACTOR SHALL ACCESS THE WORK AREA USING ONLY PUBLIC ROADS AND APPROVED ACCESS ROADS.
0 EA AERIAL MARKERS	0 EA ANODE BED DEEP WELL	21040-510-TYP-20112 CONTINUOUS CONCRETE COATING STANDARD FOR 36" / 30" PIPELINE	5. ADDITIONAL WARNING SIGNS MAY BE REQUIRED AS DICTATED BY CONSTRUCTION CONTRACT.
0 EA		21040-510-TYP-20113 TYPICAL SADDLE BAG WEIGHTS	6. MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA EAST FIPS 0901 FEET. VERTICAL DATUM: NAVD 88.
0 EA		21040-510-TYP-20114 WARNING SIGN DETAIL	
0 EA		21040-510-TYP-20115 AERIAL MARKER INSTALLATION DETAIL	
		21040-510-TYP-20116 AERIAL MARKER DETAIL	
		21040-510-TYP-20117 TYPICAL PIPELINE MARKER ASSEMBLY	
		21040-510-TYP-20118 PIPELINE MARKER "WARNING" DECAL	

FITTINGS SUMMARY		CONTINUOUS CONCRETE COATING		PIPE COATING DATA		PIPE ASSEMBLIES	
ITEM NO.	QTY UOM REQN MATERIAL NUMBER DESCRIPTION	QTY UOM REQN MATERIAL NUMBER DESCRIPTION	QTY UOM REQN MATERIAL NUMBER DESCRIPTION	PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO	GIRTH WELD COATING: 2 PART EPOXY	INTERNAL COATING (YES/NO): NO	
0	EA	1577	FT				

LEGEND

- HDD PIPE
- BORE PIPE
- LINE PIPE
- SR PAD FIT
- INDUCTION BEND
- TRANSITION PIPE
- CONT. CONC. COAT.
- SETON 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
- RAILROAD
- HIGHWAY / ROAD
- PRIVATE ACCESS / SHOOLY ROAD
- COUNTY BOUNDARY
- ROW PARCEL
- PLSS SECTION LINE
- TRAP
- WATER WELL
- HDD ENTRY / EXT
- PERMANENT ROW
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- PARCEL NUMBER
- WETLAND / WATERBODY NAME
- ROCKERY
- ROCKERY BUFFER (100 FEET)
- TYPICAL DETAIL CONFIGURATION
- POINT OF INTERSECTION (PI)
- VERTICAL FITTING
- SPREAD BREAK
- ENVIRONMENTAL SURVEY AREA

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:	MB	CONSTRUCTION PERMIT NO.
CHECKED BY:	MJ <td>MAINTENANCE OPERATION REGION</td>	MAINTENANCE OPERATION REGION
PROJECT MANAGER:	RG <td>MIN. TEST PRESSURE 1816 PSI</td>	MIN. TEST PRESSURE 1816 PSI
PROJECT DEF. NO.:		DESIGN PRESSURE 1440 PSI

1 INCH = 200 FT