



SURVEY DATA		STATIONING	
MATCHLINE 6150+00	6151+42 TOP OF BANK 6151+42 TOP OF BANK	MATCHLINE 6150+00	6151+42 TOP OF BANK 6151+42 TOP OF BANK
MATCHLINE 6150+00	6157+88 TOP OF BANK 6158+21 TOP OF BANK	MATCHLINE 6150+00	6157+88 TOP OF BANK 6158+21 TOP OF BANK
MATCHLINE 6150+00	6164+59 TOP OF BANK 6164+71 CL DITCH 6164+86 TOP OF BANK 6165+02 CL A1 1229	MATCHLINE 6150+00	6164+59 TOP OF BANK 6164+71 CL DITCH 6164+86 TOP OF BANK 6165+02 CL A1 1229
MATCHLINE 6150+00	6171+28 TOP OF BANK 6171+48 CL DITCH 6171+58 TOP OF BANK	MATCHLINE 6150+00	6171+28 TOP OF BANK 6171+48 CL DITCH 6171+58 TOP OF BANK
MATCHLINE 6150+00	6177+98 TOP OF BANK 6178+14 CL DITCH 6178+25 TOP OF BANK	MATCHLINE 6150+00	6177+98 TOP OF BANK 6178+14 CL DITCH 6178+25 TOP OF BANK
MATCHLINE 6150+00	6184+60 TOP OF BANK 6184+96 TOP OF BANK 6185+13 UNNAMED RD	MATCHLINE 6150+00	6184+60 TOP OF BANK 6184+96 TOP OF BANK 6185+13 UNNAMED RD
MATCHLINE 6150+00	6191+60 TOP OF BANK 6191+88 TOP OF BANK	MATCHLINE 6150+00	6191+60 TOP OF BANK 6191+88 TOP OF BANK
MATCHLINE 6150+00	6198+49 TOP OF BANK 6198+66 TOP OF BANK	MATCHLINE 6150+00	6198+49 TOP OF BANK 6198+66 TOP OF BANK
MATCHLINE 6150+00	6198+49 TOP OF BANK 6198+66 TOP OF BANK	MATCHLINE 6150+00	6198+49 TOP OF BANK 6198+66 TOP OF BANK

ENGINEERING DATA		MATERIAL	
MATCHLINE 6150+00	6150+71	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6151+88 6151+47 6151+62	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6157+41 6158+67	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6162+00	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6164+08 6164+33 6165+34	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6170+76 6172+02	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6177+46 6178+72	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6182+00	MATCHLINE 6150+00	13-7K# SBW 11.5 CC
MATCHLINE 6150+00	6184+08 6185+46 6185+60	MATCHLINE 6150+00	11-7K# SBW 11.5 CC
MATCHLINE 6150+00	6191+16 6192+31	MATCHLINE 6150+00	12-7K# SBW 11.5 CC
MATCHLINE 6150+00	6198+07 6199+34	MATCHLINE 6150+00	12-7K# SBW 11.5 CC

ENVIRONMENTAL DATA		STATIONS	
MATCHLINE 6150+00	6151+12 6151+23 6151+47 6151+62	MATCHLINE 6150+00	6151+12 6151+23 6151+47 6151+62
MATCHLINE 6150+00	6157+79 6158+16 6158+31	MATCHLINE 6150+00	6157+79 6158+16 6158+31
MATCHLINE 6150+00	6164+49 6164+63 6164+83 6165+12	MATCHLINE 6150+00	6164+49 6164+63 6164+83 6165+12
MATCHLINE 6150+00	6171+18 6171+29 6171+50 6171+66	MATCHLINE 6150+00	6171+18 6171+29 6171+50 6171+66
MATCHLINE 6150+00	6177+68 6178+00 6178+19 6178+35	MATCHLINE 6150+00	6177+68 6178+00 6178+19 6178+35
MATCHLINE 6150+00	6184+61 6184+93 6185+33	MATCHLINE 6150+00	6184+61 6184+93 6185+33
MATCHLINE 6150+00	6191+50 6191+67 6191+80 6191+99	MATCHLINE 6150+00	6191+50 6191+67 6191+80 6191+99
MATCHLINE 6150+00	6198+49 6198+61 6198+81 6198+96	MATCHLINE 6150+00	6198+49 6198+61 6198+81 6198+96

BILL OF MATERIALS		MISCELLANEOUS MATERIALS		TYPICAL DRAWINGS		GENERAL INFORMATION	
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION	DWG/FIELD BOOK NO.	TITLE
1	96	EA			30" O.D. x 0.429" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE	21040-510-TYP-20001	CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1
2	5	EA			PIPELINE MARKERS	21040-510-TYP-20002	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2
3	0	EA			WARNING SIGNS	21040-510-TYP-20028	CP TEST STATION TYPE 1
4	1	EA			CP TEST STATION TYPE 2	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	AERIAL MARKER DETAIL
11	0	EA				21040-510-TYP-20118	TYPICAL PIPELINE MARKER ASSEMBLY
12	0	EA				21040-510-TYP-20118	PIPELINE MARKER "WARNING" DECAL

FITTINGS SUMMARY		CONTINUOUS CONCRETE COATING			
ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
1	0	EA			PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO
2	0	EA			GIRTH WELD COATING: 2 PART EPOXY
3	0	EA			INTERNAL COATING (YES/NO): NO

PIPE ASSEMBLIES	
QTY	UOM

LEGEND	
HDD PIPE	PIPELINE ROUTE
BORE PIPE	FENCE
LINE PIPE	POWER LINE
SR PAD FIT	TELEPHONE LINE
INDUCTION BEND	WATERLINE
TRANSITION PIPE	SEWER LINE
CONT. CONC. COAT.	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 / EXIT
	PERMANENT ROW
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE
	NON FORESTED WETLAND
	FORESTED WETLAND
	WATERBODY
	PARCEL NUMBER
	WETLAND / WATERBODY NAME
	ROCKERY
	ROCKERY BUFFER (1000 FEET)
	TYPICAL DETAIL CONFIGURATION
	POINT OF INTERSECTION (PI)
	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.:	
CONSTRUCTION PERMIT NO.:	
MAINTENANCE OPERATION REGION:	
MIN. TEST PRESSURE:	1816 PSI
DESIGN PRESSURE:	1440 PSI

UNIVERSAL PEGASUS INTERNATIONAL		FLORIDA SOUTHEAST CONNECTION	
FLORIDA SOUTHEAST CONNECTION PROJECT			
STA: 6150+00 TO 6200+00		DISCIPLINE: 03	
FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET MARTIN COUNTY, FLORIDA			
SCALE: 1" = 200'	21040-510-ALS-00130		REV. 1