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SURVEY DATA		STATIONING	
MATCHLINE 3350+00	3359+47 TOP OF BANK 3359+60 TOP OF BANK	MATCHLINE 3350+00	3359+47 TOP OF BANK 3359+60 TOP OF BANK
MATCHLINE 3350+00	3363+45 FENCE CORNER 3363+47 FENCE 3363+49 FENCE 3363+54 ROAD EDGE 3363+61 UNNAMED RD 3363+61 CLAR 1304 3363+73 FENCE CORNER 3363+75 FENCE CORNER 3363+79 FENCE CORNER	MATCHLINE 3350+00	3363+45 FENCE CORNER 3363+47 FENCE 3363+49 FENCE 3363+54 ROAD EDGE 3363+61 UNNAMED RD 3363+61 CLAR 1304 3363+73 FENCE CORNER 3363+75 FENCE CORNER 3363+79 FENCE CORNER
MATCHLINE 3350+00	3378+69	MATCHLINE 3350+00	3378+69
MATCHLINE 3350+00	3382+69 WATER EDGE	MATCHLINE 3350+00	3382+69 WATER EDGE

ENGINEERING DATA		MATERIAL	
MATCHLINE 3350+00	3351+46	MATCHLINE 3350+00	3351+46
MATCHLINE 3350+00	3355+50	MATCHLINE 3350+00	3355+50
MATCHLINE 3350+00	3361+46	MATCHLINE 3350+00	3361+46
MATCHLINE 3350+00	3362+53	MATCHLINE 3350+00	3362+53
MATCHLINE 3350+00	3363+47	MATCHLINE 3350+00	3363+47
MATCHLINE 3350+00	3363+75	MATCHLINE 3350+00	3363+75
MATCHLINE 3350+00	3373+76	MATCHLINE 3350+00	3373+76
MATCHLINE 3350+00	3378+69	MATCHLINE 3350+00	3378+69
MATCHLINE 3350+00	3383+61	MATCHLINE 3350+00	3383+61
MATCHLINE 3350+00	3384+15	MATCHLINE 3350+00	3384+15
MATCHLINE 3350+00	3391+43	MATCHLINE 3350+00	3391+43
MATCHLINE 3350+00	3394+99	MATCHLINE 3350+00	3394+99
MATCHLINE 3350+00	3395+53	MATCHLINE 3350+00	3395+53

ENVIRONMENTAL DATA		STATIONS	
MATCHLINE 3350+00	3356+01	MATCHLINE 3350+00	3356+01
MATCHLINE 3350+00	3362+02	MATCHLINE 3350+00	3362+02
MATCHLINE 3350+00	3363+00	MATCHLINE 3350+00	3363+00
MATCHLINE 3350+00	3364+20	MATCHLINE 3350+00	3364+20
MATCHLINE 3350+00	3378+22	MATCHLINE 3350+00	3378+22
MATCHLINE 3350+00	3383+62	MATCHLINE 3350+00	3383+62
MATCHLINE 3350+00	3391+87	MATCHLINE 3350+00	3391+87
MATCHLINE 3350+00	3391+97	MATCHLINE 3350+00	3391+97
MATCHLINE 3350+00	3392+07	MATCHLINE 3350+00	3392+07
MATCHLINE 3350+00	3394+89	MATCHLINE 3350+00	3394+89
MATCHLINE 3350+00	3394+99	MATCHLINE 3350+00	3394+99
MATCHLINE 3350+00	3395+09	MATCHLINE 3350+00	3395+09

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	5000	FT			36" O.D. x 0.520" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE	21040-510-TYP-20001	SET ON WEIGHTS
						21040-510-TYP-20002	PIPELINE MARKERS
						21040-510-TYP-20028	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 1
						21040-510-TYP-20029	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2
						21040-510-TYP-20112	CONTINUOUS CONCRETE COATING STANDARD FOR 36" / 30" PIPELINE
						21040-510-TYP-20113	TYPICAL SADDLE BAG WEIGHTS
						21040-510-TYP-20114	WARNING SIGN DETAIL
						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			
ITEM NO.	QTY	UOM	REQ'N NUMBER	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

PIPE ASSEMBLIES	
QTY	UOM

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.	
1. INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 21040-505-FBW-00001.	
2. (S) - SEE ARK DRAWING PACKAGE FOR ANODE BED DEEP WELL.	

LEGEND	
HDD PIPE	PIPELINE ROUTE
BORE PIPE	X FENCE
LINE PIPE	P POWER LINE
IR RAD FIT	T TELEPHONE LINE
INDUCTION BEND	W WATERLINE
TRANSITION PIPE	S SEWER LINE
CONT. CONC. COAT.	C BURIED CABLE
SET ON WEIGHTS	U UTILITY LINE
WARNING SIGN	GENERAL SURVEY
MATERIAL ITEM	FOREIGN PIPELINE
AERIAL MARKER	RAILROAD
CP TEST STATION	HIGHWAY / ROAD
BY MOV. BY & CV	PRIVATE ACCESS / SHOOLY ROAD
PIPELINE MARKER	COUNTY BOUNDARY
PIPELINE MILEPOST	PLSS SECTION LINE
ANODE BED DEEP WELL	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
APPROVAL		COMPANY	
DRAWN BY: MB		CONSTRUCTION PERMIT NO.	
CHECKED BY: MJ		MAINTENANCE OPERATION REGION	
PROJECT MANAGER: RG		MIN. TEST PRESSURE: 1816 PSI	
PROJECT DEF. NO.		DESIGN PRESSURE: 1440 PSI	

UNIVERSAL PEGASUS INTERNATIONAL		FLORIDA SOUTHEAST CONNECTION	
A Subsidiary of Huntington Ingalls Industries		FLORIDA SOUTHEAST CONNECTION PROJECT	
STA: 3350+00 TO 3400+00		DISCIPLINE: 03	
FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET OSCEOLA COUNTY, FLORIDA			
SCALE: 1" = 200'		21040-510-ALS-00072	
		REV. 1	