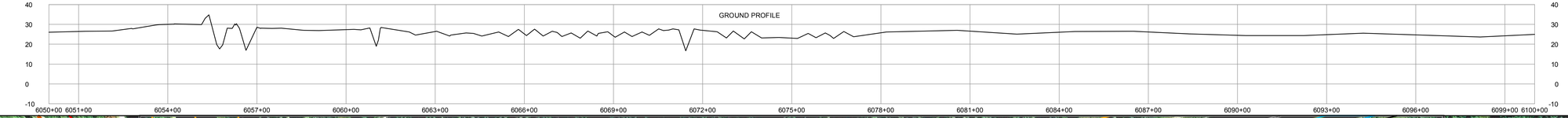
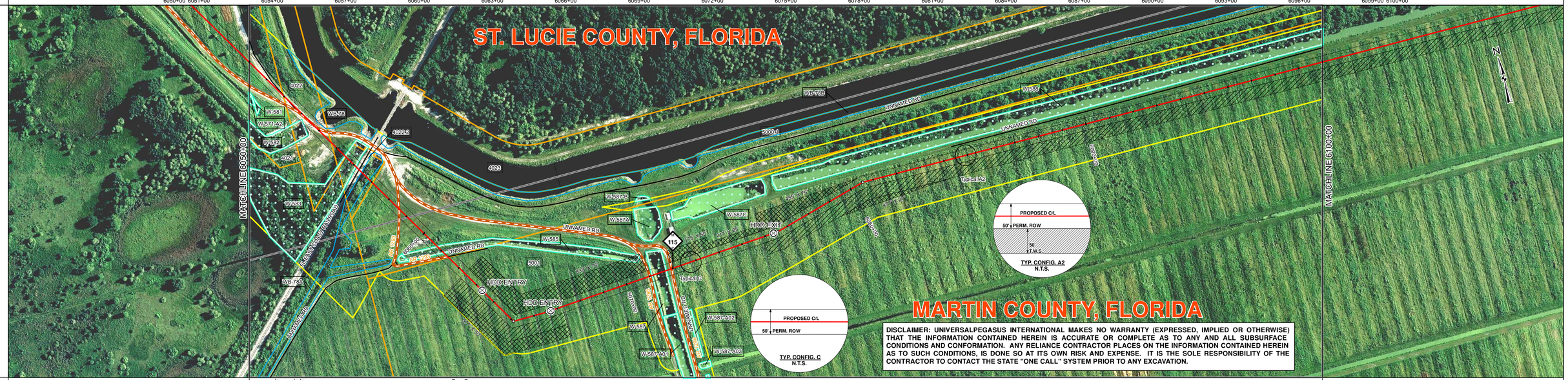
TRACT		MATCHLINE 6050+00	4021 EVANS PROPERTIES, INC. 195 FT 6050+00 TO 6051+95	4022 EVANS PROPERTIES, INC. 274 FT 6051+95 TO 6054+69	4023 SOUTH FLORIDA WATER MANAGEMENT DISTRICT 82 FT 6054+69 TO 6055+51	4022.2 FLORIDA EAST COAST RAILWAY COMPANY 155 FT 6055+51 TO 6057+06	4023 SOUTH FLORIDA WATER MANAGEMENT DISTRICT 202 FT 6057+06 TO 6059+08	5000.1 SOUTH FLORIDA WATER MANAGEMENT DISTRICT 232 FT 6059+08 TO 6061+40	5001 EVANS PROPERTIES, INC. 3860 FT 6061+40 TO 6100+00	MATCHLINE 6100+00

GROUND PROFILE
HORIZ: 1" = 200'
VERT: 1" = 30'



SCALE: 1" = 200'



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SURVEY DATA — STATIONING

MATCHLINE 6050+00

6052+14 UNNAMED RD
6052+54 CONCRETE CULVERT
6053+99 CLAR 1288
6053+49 UNNAMED RD
6053+50 CONCRETE CULVERT
6053+75 PC38A CULVERT
6055+09 IRON ROD RT
6055+13 TOE OF SLOPE
6055+26 TOP OF BANK
6055+38 TOP OF BANK
6055+45 WATER EDGE
6055+65 TOE OF SLOPE
6055+75 CL DITCH
6055+84 TOE OF SLOPE
6055+99 WATER EDGE
6056+00 TOP OF BANK
6056+22 RAILROAD TOE
6056+29 CL FL EAST COAST RAILROAD
6056+34 RAILROAD TOP
6056+40 RAILROAD TOE
6056+43 TOP OF BANK
6056+43 CL DITCH
6056+99 TOP OF BANK
6057+04 TOP OF BANK
6057+57 UNNAMED RD
6058+27 CONCRETE PAD
6060+50 CONCRETE PAD RT 10'
6060+80 TOP OF BANK
6061+14 CL DITCH
6061+18 TOP OF BANK
6061+37 UNNAMED RD
6061+74 TOP OF BANK
6062+12 TOP OF BANK
6062+34 CL DITCH
6063+34 HDD ENTRY
6063+54 TOP OF BANK
6064+57 CL DITCH
6064+85 CONC SSD 3:1 LT
6065+46 CL DITCH
6065+80 TOP OF BANK
6066+34 CL DITCH
6066+54 PI 3°40'7" LT
6066+72 HDD ENTRY
6066+93 TOP OF BANK
6067+26 CL DITCH
6067+88 TOP OF BANK
6068+13 TOP OF BANK
6068+42 CL DITCH
6068+81 TOP OF BANK
6069+06 CL DITCH
6069+46 TOP OF BANK
6069+83 CL DITCH
6069+96 TOP OF BANK
6070+46 CL DITCH
6070+98 CL DITCH
6071+00 UNNAMED RD
6071+00 CLAR 1288
6071+71 TOP OF BANK
6071+94 CLAR 1288
6072+00 UNNAMED RD
6072+49 TOP OF BANK
6072+90 CL DITCH
6073+40 CL DITCH
6073+64 TOP OF BANK
6074+19 CL DITCH
6074+97 CL DITCH
6075+20 CL DITCH
6075+58 TOP OF BANK
6076+12 TOP OF BANK
6076+28 TOP OF BANK
6076+41 CL DITCH
6076+54 PI 11°23'3" LT
6077+08 TOP OF BANK
6077+08 CL DITCH
6080+57 PI 15°33'41" RT
MATCHLINE 6100+00

ENGINEERING DATA — MATERIAL

MATCHLINE 6050+00

10 1334' | 11 80' | 10' | 1 | IB-215 | 7 178' | 11 80' | 8' | 10 964' | 115 | 8' | 1 | 11 80' | 7 2284' | MATCHLINE 6100+00

6054+53 6055+49 6057+04 6063+34 6063+54 6063+44 6064+14 6055+13 6065+13 6065+82 6066+72 6066+72 6072+35 6076+36 6076+36 6076+46 6077+16 6080+56 6096+26

ENGINEERING DATA		
REFERENCE DRAWING	21040-440-PMW-10002 21040-505-HDW-12001	21040-505-HDW-21021
CLASS LOCATION	Class I	
MINIMUM DEPTH OF COVER	SEE REF DWG / 3' / SEE REF DWG / 3'	
AC MITIGATION / CATHODIC PROTECTION		

ENVIRONMENTAL DATA		
WATERBODY/WETLAND CROSSINGS	W-583 WB-78A W-585 W-587	
WATERBODY/WETLAND LENGTH	60' 45' 36' 59'	
STATIONS	6055+49 6055+09 6056+43 6056+88 6060+77 6061+13 6063+34 6066+72 6071+12 6071+71 6076+36	
PERMANENT EROSION CONTROL — EROSION CONTROL CODE	THIS BAND NOT UTILIZED	
PERMANENT EROSION CONTROL — SLOPE BREAKER CODE	THIS BAND NOT UTILIZED	
PERMANENT EROSION CONTROL — TOPSOIL SALVAGE	THIS BAND NOT UTILIZED	
THREATENED AND ENDANGERED SPECIES		
SPECIAL CONDITIONS — TIMING CONSTRAINT	THIS BAND NOT UTILIZED	
SPECIAL CONDITIONS — CONSTRAINT 2	THIS BAND NOT UTILIZED	
SPECIAL CONDITIONS — CONSTRAINT 3	THIS BAND NOT UTILIZED	
SPECIAL CONDITIONS — CONSTRAINT 4		

MATCHLINE 6100+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
7	2462	FT			30" O.D. x 0.429" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE
10	2298	FT			30" O.D. x 0.617" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO
11	240	FT			30" O.D. x 0.514" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE

FITTINGS SUMMARY

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
	1	EA			10° 3R VERTICAL FITTING
	2	EA			8° 3R VERTICAL FITTING

PIPE ASSEMBLIES

QTY	UOM	DESCRIPTION

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
0	EA			SET ON WEIGHTS
4	EA			PIPELINE MARKERS
2	EA			WARNING SIGNS
1	EA			CP TEST STATION TYPE 1
0	EA			CP TEST STATION TYPE 2
1	EA			AERIAL MARKERS
0	EA			ANODE BED DEEP WELL

CONTINUOUS CONCRETE COATING

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION

PIPE COATING DATA

PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO
GIRTH WELD COATING: 2 PART EPOXY
INTERNAL COATING (YES/NO): NO

TYPICAL DRAWINGS

DWG/FIELD BOOK NO.	TITLE
21040-510-TYP-20001	CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1
21040-510-TYP-20002	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2
21040-510-TYP-20028 21040-510-TYP-20029	TYPICAL OPEN CUT / BORE
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

GENERAL INFORMATION

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.

SPECIAL NOTES

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

LEGEND

- HDD PIPE
- BORE PIPE
- LINE PIPE
- 3R RAD FIT
- INDUCTION BEND
- TRANSITION PIPE
- CONT. CONC. COAT.
- SET-ON WEIGHTS
- WARNING SIGN
- MATERIAL ITEM (101)
- AERIAL MARKER (Y)
- CP TEST STATION (1) (2)
- BV MOV / BV & CV
- PIPELINE MARKER
- PIPELINE MILEPOST (XX)
- ANODE BED DEEP WELL (A)
- PIPELINE ROUTE
- FENCE (X)
- POWER LINE (P)
- TELEPHONE LINE (T)
- WATERLINE (W)
- SEWER LINE (S)
- BURIED CABLE (C)
- UTILITY LINE (U)
- GENERAL SURVEY
- FOREIGN PIPELINE
- RAILROAD
- HIGHWAY / ROAD
- PRIVATE ACCESS / SHOOFLY ROAD
- COUNTY BOUNDARY
- ROW PARCEL
- PLSS SECTION LINE
- TRAP (W)
- WATER WELL
- HDD ENTRY / EXIT
- PERMANENT ROW
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE
- NON FORESTED WETLAND
- FORESTED WETLAND
- WATERBODY
- PARCEL NUMBER (XXXXX.XXX)
- WETLAND / WATERBODY NAME (XXXXXXX)
- ROOKERY
- ROOKERY BUFFER (1000 FEET)
- TYPICAL / DETAIL CONFIGURATION (Typical)
- 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

APPROVAL	COMPANY
ENVIRONMENTAL	
LAND	

0 100 200 400 600 800

1 INCH = 200 FT

APPROVALS

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	

UniversalPegasus INTERNATIONAL
A Subsidiary of Huntington Ingalls Industries

FLORIDA SOUTHEAST CONNECTION

FLORIDA SOUTHEAST CONNECTION PROJECT

STA: 6050+00 TO 6100+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET ST. LUCIE AND MARTIN COUNTIES, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00127 | REV. 1