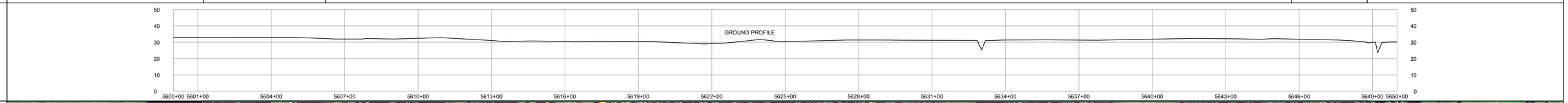
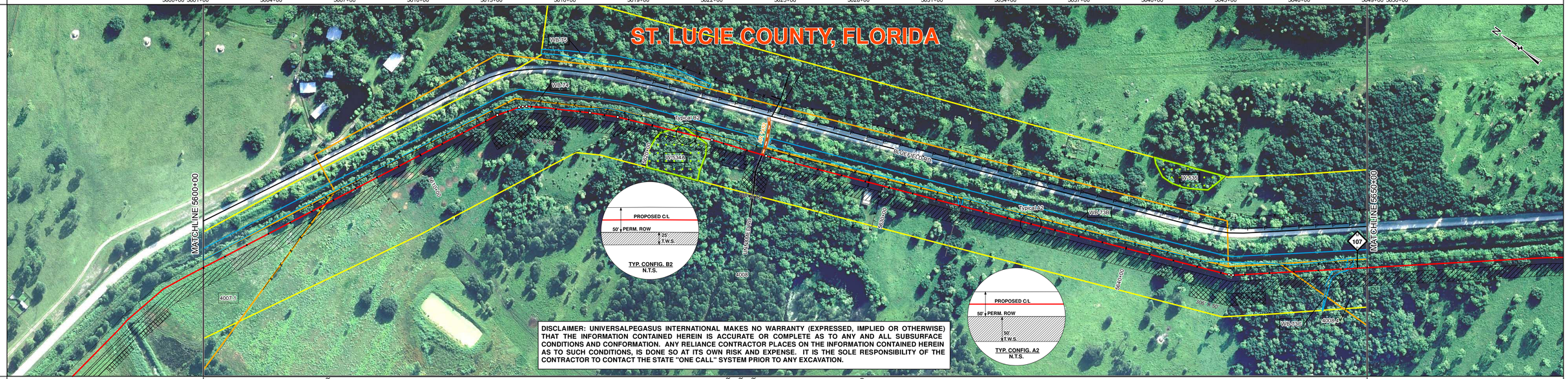
TRACT		MATCHLINE 5600+00	4007.1 5M PIONEER PROPERTIES, LLC 563 FT 5600+00 TO 5605+63	4008 5M PIONEER PROPERTIES, LLC 4127 FT 5605+63 TO 5646+90	4008.4 5M PIONEER PROPERTIES, LLC 310 FT 5646+90 TO 5650+00	MATCHLINE 5650+00

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



SCALE: 1" = 200'



SURVEY DATA — STATIONING

MATCHLINE 5600+00

5605+50 FENCE CORNER LT 23'
5606+96 FENCE CORNER
5607+78 FENCE POST LT 10'
5607+79 FENCE
5613+54 PI 71°911" RT
5614+49 PI 8°82" RT
5614+64 PI 8°82" RT
5614+79 PI 8°82" RT
5617+40 PI 21°717" RT
5618+55 PI 8°94" RT
5619+11 FENCE POST RT 40'
5619+93 FENCE POST RT 13'
5622+51 PI 24°236" RT
5623+17 FENCE POST RT 22'
5623+96 FENCE CORNER
5623+97 FENCE POST RT 20'
5623+98 FENCE CORNER RT 20'
5624+10 FENCE CORNER RT 44'
5624+38 ROAD EDGE
5624+38 CLAR 1452
5624+64 CLAR 1452
5624+69 ROAD EDGE
5624+82 PI 4°35" LT
5627+51 FENCE
5627+52 FENCE POST
5628+07 6 X 4 CONCRETE
5629+11 UNDERGROUND POWER LT 1'
5629+12 WATER PUMP SHED RT 25'
5629+13 POWER POLE RT 24'
5629+15 GUY ANCHOR
5629+19 WATER LINE LT 13'
5629+19 WATER PUMP SHED RT 25'
5629+39 POLE BARN
5629+73 FENCE POST LT 13'
5629+73 FENCE
5632+44 TOP OF BANK
5633+03 CL DITCH
5633+17 TOP OF BANK
5644+35 PI 8°48" LT
5645+51 PI 8°48" LT
5648+80 TOP OF BANK
5649+21 CL DITCH
5649+39 TOP OF BANK
MATCHLINE 5650+00

ENGINEERING DATA — MATERIAL

MATCHLINE 5600+00

23-7K# SBW 10.5 CC
19-7K# SBW 11.5 CC
7 5000'
6-7K# SBW 10.5 CC
9-7K# SBW 10.5 CC

5605+50
5613+94
5614+64
5616+26
5620+25
5622+35
5623+18
5624+85
5632+69
5633+12
5633+21
5644+35
5648+70
5649+54

MATCHLINE 5650+00

ENGINEERING DATA		
REFERENCE DRAWING		
CLASS LOCATION		Class I
MINIMUM DEPTH OF COVER		3' | 5' | 3' | 4' | 3' | 5' | 3' | 5' | 3'
AC MITIGATION / CATHODIC PROTECTION		

ENVIRONMENTAL DATA

MATCHLINE 5600+00

WATERBODY/WETLAND CROSSINGS		WB-74 | W-534A | WB-73B | WB-73C
WATERBODY/WETLAND LENGTH		179' | 107' | 1' | 33'
STATIONS		5614+00 5614+20 5615+99 5616+19 5620+77 5621+84 5624+58 5624+69 5632+64 5632+95 5633+06 5633+37 5648+60 5648+95 5649+28 5649+61
PERMANENT EROSION CONTROL	EROSION CONTROL CODE	THIS BAND NOT UTILIZED
	SLOPE BREAKER CODE	THIS BAND NOT UTILIZED
	TOPSOIL SALVAGE	THIS BAND NOT UTILIZED
THREATENED AND ENDANGERED SPECIES		
SPECIAL CONDITIONS	TIMING CONSTRAINT	THIS BAND NOT UTILIZED
	CONSTRAINT 2	THIS BAND NOT UTILIZED
	CONSTRAINT 3	THIS BAND NOT UTILIZED
	CONSTRAINT 4	THIS BAND NOT UTILIZED

MATCHLINE 5650+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
7	5000	FT			30" O.D. x 0.429" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE

FITTINGS SUMMARY

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION

PIPE ASSEMBLIES

QTY	UOM	DESCRIPTION

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
57	EA			SET ON WEIGHTS
3	EA			PIPELINE MARKERS
2	EA			WARNING SIGNS
1	EA			CP TEST STATION TYPE 1
0	EA			CP TEST STATION TYPE 2
0	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
101 MATERIAL ITEM
AERIAL MARKER
1 2 CP TEST STATION
BV MOV / BV & CV
PIPELINE MARKER
XX PIPELINE MILEPOST
A 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 / 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
XXXXXXXX
ROOKERY
ROOKERY BUFFER (1000 FEET)
TYPICAL / DETAIL CONFIGURATION
POINT OF INTERSECTION (PI)
VERTICAL FITTING
SPREAD BREAK
ENVIRONMENTAL SURVEY AREA

0 100 200 400 600 800

1 INCH = 200 FT

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	

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: 5600+00 TO 5650+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET ST. LUCIE COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00118 | REV. 1