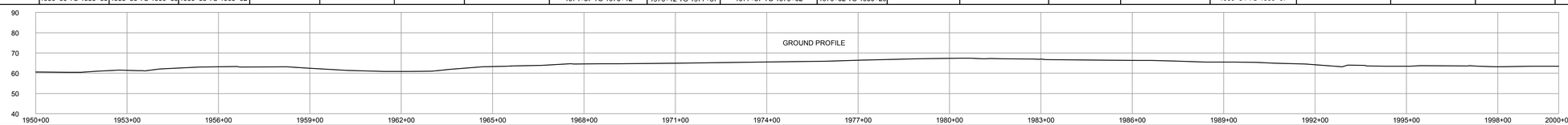
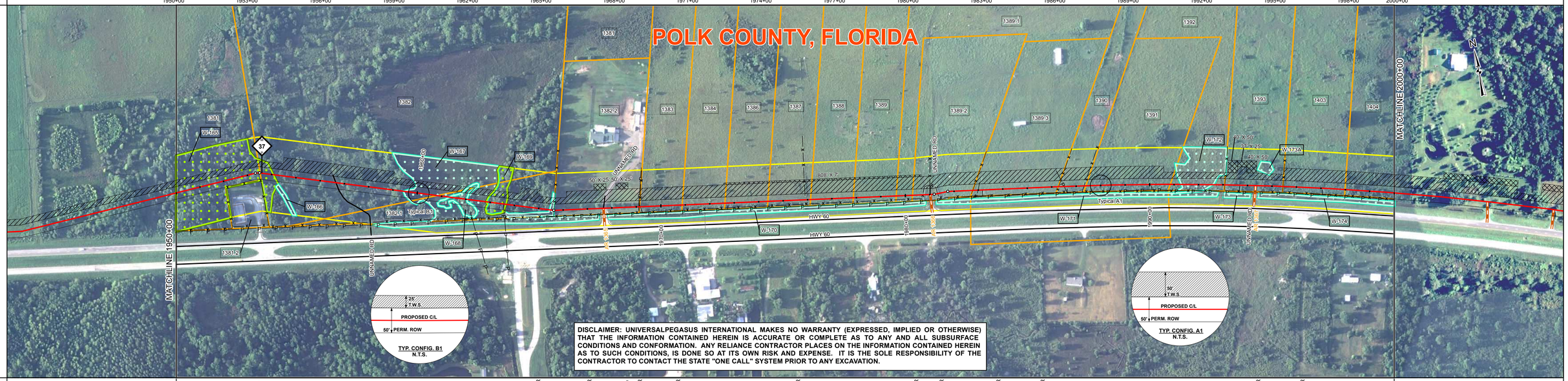
TRACT	1381 LONESOME RANCH REVOCABLE LIVING TRUST 353 FT 1950+00 TO 1953+53	1382 LONESOME RANCH REVOCABLE LIVING TRUST 730 FT 1953+53 TO 1960+83	1382.1 LONESOME RANCH REVOCABLE LIVING TRUST 479 FT 1960+83 TO 1965+62	1382.2 THOMAS SPIKER 350 FT 1965+62 TO 1969+12	1383 CHAMAN DOMA AND GIRJUMANI DOMA 175 FT 1969+12 TO 1970+87	1384 ROWTEE R. NEPAL 175 FT 1970+87 TO 1972+62	1386 CHOU KEOMANYCHANH AND JAN PHET 175 FT 1972+62 TO 1974+37	1387 SUNNY SUNDARA AND KHONEVILAY SUNDARA AND OURAPHONE SOMSANITH 175 FT 1974+37 TO 1976+12	1388 OUXAY RINTHARAMY AND VILAYPHONE RINTHARAMY 175 FT 1976+12 TO 1977+87	1389 VIRAPHANH RATANAVONG AND CHINDAVONE RATANAVONG 175 FT 1977+87 TO 1979+62	1389.1 LONESOME RANCH REVOCABLE LIVING TRUST 67 FT 1979+62 TO 1980+29	1389.2 POLK COUNTY 248 FT 1980+29 TO 1982+77	1389.3 KIM M. PERSICHETTI AND JOHN PERSICHETTI 349 FT 1982+77 TO 1986+26	1390 POLK COUNTY 113 FT 1986+26 TO 1987+39	1391 NORMAN R. BOSS TRUST 345 FT 1987+39 TO 1990+84	1392 REYMUNDO JIMENEZ AND MARIBEL SEGARRA NAVARRO 223 FT 1990+84 TO 1993+07	1393 FRANCISCO ARREDONDO AND RUBI C. ARREDONDO 238 FT 1993+07 TO 1995+45	1403 JSREM LLC 253 FT 1995+45 TO 1997+98	1404 YVON GEORGES 202 FT 1997+98 TO 2000+00

MATCHLINE 1950+00 — MATCHLINE 2000+00

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



SCALE: 1" = 200'



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SURVEY DATA

STATIONING

MATCHLINE 1950+00

1953+33 PI 10°23'22" RT
1953+51 PI 10°23'22" RT
1956+59 ROAD EDGE
1956+65 UNNAMED RD
1956+70 ROAD EDGE
1963+53 GUY ANCHOR LT 10'
1963+54 GUY ANCHOR LT 10'
1963+55 POWER LINE
1965+62 FENCE CORNER RT 25'
1965+62 PI 93°58'38" LT
1965+62 GUY POST RT 25'
1965+62 FENCE
1967+50 FENCE CORNER RT 24'
1967+50 ROAD EDGE
1967+65 CLAR 1365
1967+65 UNNAMED RD
1967+65 ROAD EDGE
1967+80 ABOVEGROUND POWER RT 14'
1967+80 FENCE CORNER RT 24'
1969+09 GUY ANCHOR RT 17'
1969+09 IRON ROD RT 25'
1969+09 FENCE CORNER RT 24'
1969+10 POWER LINE
1969+11 POWER POLE LT 16'
1969+12 FENCE
1969+16 POWER LINE
1970+84 IRON ROD RT 25'
1972+59 IRON ROD RT 25'
1972+74 GUY ANCHOR RT 17'
1973+90 IRON ROD RT 25'
1975+90 FENCE CORNER RT 17'
1976+09 IRON ROD RT 25'
1977+71 MONUMENT RT
1977+84 IRON ROD RT 25'
1979+59 IRON ROD RT 25'
1980+26 IRON ROD RT 25'
1980+68 FENCE CORNER RT 15'
1980+71 FENCE
1980+71 ROAD EDGE
1981+00 UNNAMED RD LT 36'
1981+04 OVERHEAD POWER RT 23'
1981+12 ROAD EDGE
1981+18 PI 10°00'0" LT
1981+32 FENCE CORNER RT 24'
1981+35 CLAR 1367
1981+73 IRON ROD RT 17'
1981+75 PI 10°00'0" RT
1981+87 IRON ROD RT 25'
1982+67 FENCE CORNER RT 24'
1982+77 FENCE POST RT 24'
1982+98 FENCE
1983+16 GUY ANCHOR LT 2'
1983+16 POWER LINE
1986+11 FENCE POST RT 24'
1986+20 POWER POLE RT 25'
1986+23 IRON ROD RT 25'
1986+28 FENCE
1986+28 POWER LINE
1986+52 GUY ANCHOR RT 6'
1987+22 FENCE POST RT 23'
1987+24 IRON ROD RT 24'
1987+32 FENCE
1987+32 ROAD EDGE
1987+60 MONUMENT RT 24'
1990+08 GUY ANCHOR RT 5'
1990+09 POWER POLE RT 5'
1990+76 IRON ROD RT 25'
1993+06 IRON ROD RT 25'
1993+06 FENCE CORNER RT 23'
1993+07 ROAD EDGE
1993+68 GUY ANCHOR RT 44'
1994+33 UNNAMED RD
1994+33 CLAR 1387
1995+44 FENCE CORNER RT 23'
1995+44 IRON ROD RT 25'
1995+45 FENCE
1995+46 GUY ANCHOR RT 7'
1997+98 IRON ROD RT 24'

MATCHLINE 2000+00

ENGINEERING DATA

MATERIAL

MATCHLINE 1950+00

314'-7" CCC
5-9K# SBW 11.5 CC
86'-7" CCC
64-9K# SBW 11.5 CC
5 5000'
21-9K# SBW 11.5 CC

1953+14
1953+22
1953+48
1953+71
1954+57
1958+91
1959+48
1965+62
1965+62
1965+62
1965+63
1967+79
1969+12
1974+93
1980+71
1981+33
1982+98
1986+28
1987+32
1990+78
1993+07
1993+08
1995+45

MATCHLINE 2000+00

REFERENCE DRAWING		
CLASS LOCATION	Class II	
MINIMUM DEPTH OF COVER	3'	5' / 3' / 5' / 3'
AC MITIGATION / CATHODIC PROTECTION		

ENVIRONMENTAL DATA

WATERBODY/WETLAND CROSSINGS	W-165	W-167 / W-168 / W-167 / W-169 / W-167 / W-172
WATERBODY/WETLAND LENGTH	407'	187' / 71' / 80' / 80' / 13' / 126'

STATIONS

MATCHLINE 1950+00

1954+07
1959+46
1961+33
1961+33
1962+04
1962+04
1962+84
1962+84
1963+64
1965+46
1965+59
1980+29
1982+77
1986+26
1987+39
1991+30
1992+56

MATCHLINE 2000+00

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		THIS BAND NOT UTILIZED
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

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
5	5000	FT			36" O.D. x 0.625" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
90	EA			SET ON WEIGHTS
4	EA			PIPELINE MARKERS
9	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

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. Ⓐ - 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
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 / SHOOFLY 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
ROOKERY
ROOKERY BUFFER (1000 FEET)
TYPICAL / DETAIL CONFIGURATION
POINT OF INTERSECTION (PI)
VERTICAL FITTING
SPREAD BREAK
ENVIRONMENTAL SURVEY AREA

FITTINGS SUMMARY

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

CONTINUOUS CONCRETE COATING

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
400	FT			7" OF CONTINUOUS CONCRETE COATING (140 PCF DENSITY CONCRETE)

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

PIPE ASSEMBLIES

QTY	UOM	DESCRIPTION

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: 1950+00 TO 2000+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION
ALIGNMENT SHEET
POLK COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00044 | REV. 1