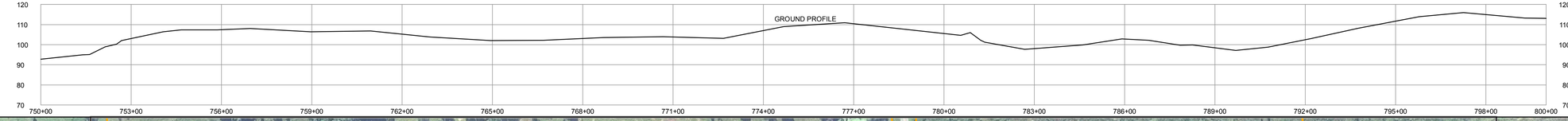
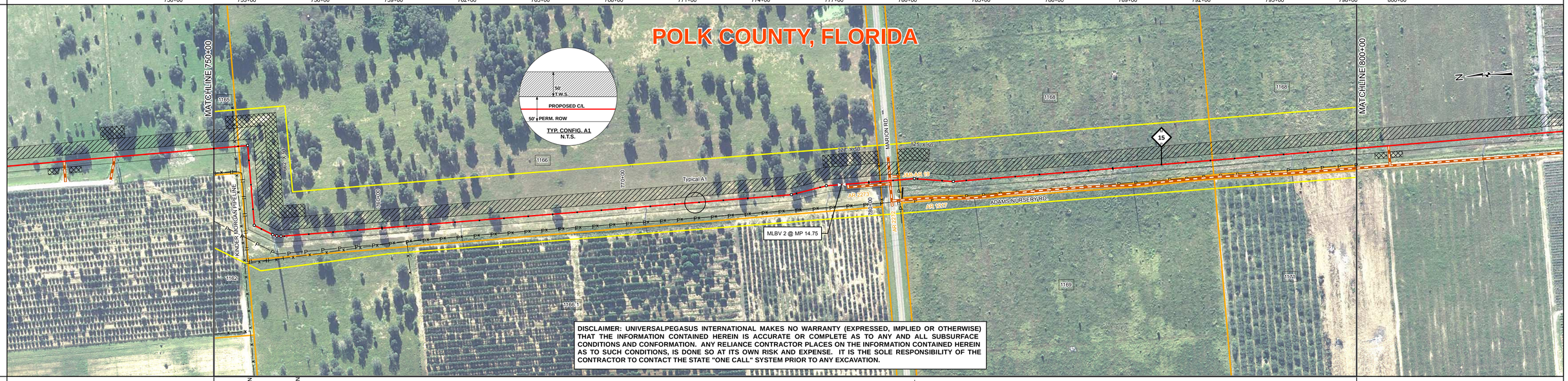
TRACT	MATCHLINE 750+00	1165 CHAIN OF LAKES CITRUS & CATTLE, L.L.C. 102 FT 750+00 TO 751+02	1166 CHAIN OF LAKES CITRUS & CATTLE, L.L.C. 2945 FT 751+02 TO 780+47	MARION RD POLK COUNTY 80 FT 780+47 TO 781+27	1168 SR 544, LLC 1282 FT 781+27 TO 794+09	1168 SR 544, LLC 591 FT 794+09 TO 800+00	MATCHLINE 800+00

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



SCALE: 1" = 200'



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SURVEY DATA — STATIONING

MATCHLINE 750+00

750+86 FENCE
751+39 PI, 90°1'43"-RT
752+61 FOREIGN P/L
KINDER MORGAN
RT 93
754+67 PI, 58°24'10"-LT
755+52 PI, 10°13'38"-LT
756+87 PI, 10°13'38"-LT
757+67 PI, 10°13'38"-LT
759+90 FOREIGN P/L
KINDER MORGAN
RT 93
776+79 PI, 9°45'38"-LT
778+28 PI, 9°45'38"-RT
778+89 MLBV 2
779+14 CL AR 2273
780+46 FENCE
780+56 CL DITCH
780+75 ROAD EDGE
780+87 CL AR 2273
780+87 MARION RD.
780+98 ROAD EDGE
781+20 POWER POLE LT
72'
781+27 TOE OF SLOPE
781+47 PI, 8°59'22"-RT
783+47 PI, 8°59'22"-LT

MATCHLINE 800+00

ENGINEERING DATA — MATERIAL

MATCHLINE 750+00

5 — 2854'
90°
IB-107
6 — 20'
30'
6 — 20'
5 — 113'
16
4 — 100'
1
5 — 1863'

750+86
751+39
752+61
754+67
754+67
755+87
760+87
770+87
778+64
778+74
778+89
779+04
779+24
780+27
780+37
780+46
781+27
781+37
781+51
791+48

MATCHLINE 800+00

REFERENCE DRAWING	21040-505-MVW-00010 / 21040-440-PMW-00017
CLASS LOCATION	Class II
MINIMUM DEPTH OF COVER	3' / SEE REF DWG / 3'
AC MITIGATION / CATHODIC PROTECTION	DCD 173 — 1,800 feet of single strand zinc ribbon — DCD 175

ENVIRONMENTAL DATA

MATCHLINE 750+00

WATERBODY/WETLAND CROSSINGS	
WATERBODY/WETLAND LENGTH	
STATIONS	755+86 / 773+86 / 780+37 / 780+47 / 781+37
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	Potential Sand Skink Habitat
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	THIS BAND NOT UTILIZED

MATCHLINE 800+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
4	100	FT			36" O.D. x 0.750" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO
5	4830	FT			36" O.D. x 0.625" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE
6	40	FT			36" O.D. x 0.750" 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			90° 3R HORIZONTAL FITTING

PIPE ASSEMBLIES

QTY	UOM	DESCRIPTION
1	EA	MLBV 2 (30')

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
0	EA			SET ON WEIGHTS
6	EA			PIPELINE MARKERS
3	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
- AERIAL MARKER
- CP TEST STATION
- BV MOV / BV & C-V
- 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 / SHOO-FLY 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

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: 750+00 TO 800+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET POLK COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00017 | REV. 1

SHEET 17