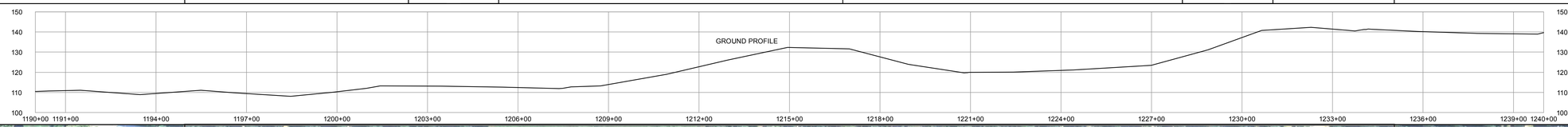
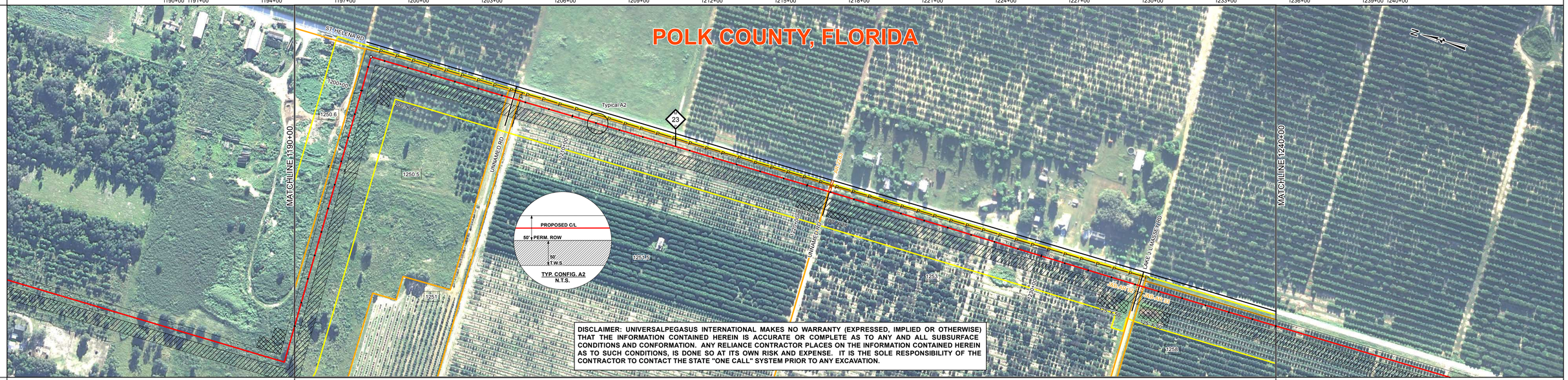
TRACT	MATCHLINE 1190+00	1250.5 T & E FARM, INC. 1721 FT 1190+00 TO 1207+21	1251 ORIE N. LEE AND LOUISE H. LEE 50 FT 1207+21 TO 1207+71	1251.5 GARDINIER FLORIDA CITRUS, INC. 1320 FT 1207+71 TO 1220+91	1253 GARDINIER FLORIDA CITRUS, INC. 1320 FT 1220+91 TO 1234+11	LAKE J L MASSEY RD POLK COUNTY 25 FT 1234+11 TO 1234+36	1258 NIM LITHUEL, LLC 564 FT 1234+36 TO 1240+00	MATCHLINE 1240+00

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



SCALE: 1" = 200'



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SURVEY DATA

STATIONING

MATCHLINE 1190+00

1196+65 FENCE

1201+43 PI, 90°29'48" RT

1207+18 UNNAMED RD
1207+28 POWER LINE
1207+77 POWER POLE
1207+77 RT 4'
1207+77 MONUMENT RT 4'
1207+77 GUY ANCHOR LT 21'

1220+95 UNNAMED RD
1220+95 CLAR 2283

1234+10 ROAD EDGE
1234+14 POWER LINE
1234+28 ROAD EDGE
1234+39 STOP SIGN LT
1234+51 GUY ANCHOR LT 20'

MATCHLINE 1240+00

ENGINEERING DATA

MATERIAL

MATCHLINE 1190+00

90'
1201+43

5
4378'
1207+33
1207+63
1208+38
1217+63
1220+80
1221+10

1231+10

4
80'
1233+78
1233+96
1234+36
1234+58

5
542'

MATCHLINE 1240+00

REFERENCE DRAWING	21040-440-PMW-00023
CLASS LOCATION	Class II
MINIMUM DEPTH OF COVER	3' | 4' | 3' | 4' | 3' | SEE REF DWG. | 3'
AC MITIGATION / CATHODIC PROTECTION	

ENVIRONMENTAL DATA

MATCHLINE 1190+00

WATERBODY/WETLAND CROSSINGS	
WATERBODY/WETLAND LENGTH	
STATIONS	1207+21 | 1207+97 | 1220+80 | 1221+10 | 1233+78 | 1234+58
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	THIS BAND NOT UTILIZED

MATCHLINE 1240+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
4	80	FT			36" O.D. x 0.750" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO
5	4920	FT			36" O.D. x 0.625" 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

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
0	EA			SET ON WEIGHTS
3	EA			PIPELINE MARKERS
6	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
CP TEST STATION
BV MOV / BV & CV
PIPELINE MARKER
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
XXXX.XXX PARCEL NUMBER
XXXXXXXX WETLAND / WATERBODY NAME
ROOKERY
ROOKERY BUFFER (1000 FEET)
Typical 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: 1190+00 TO 1240+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION
ALIGNMENT SHEET
POLK COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00027 | REV. 1