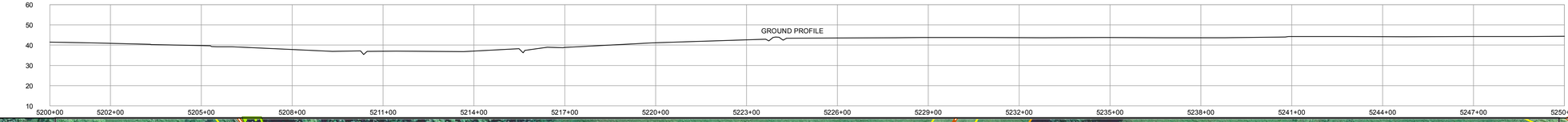
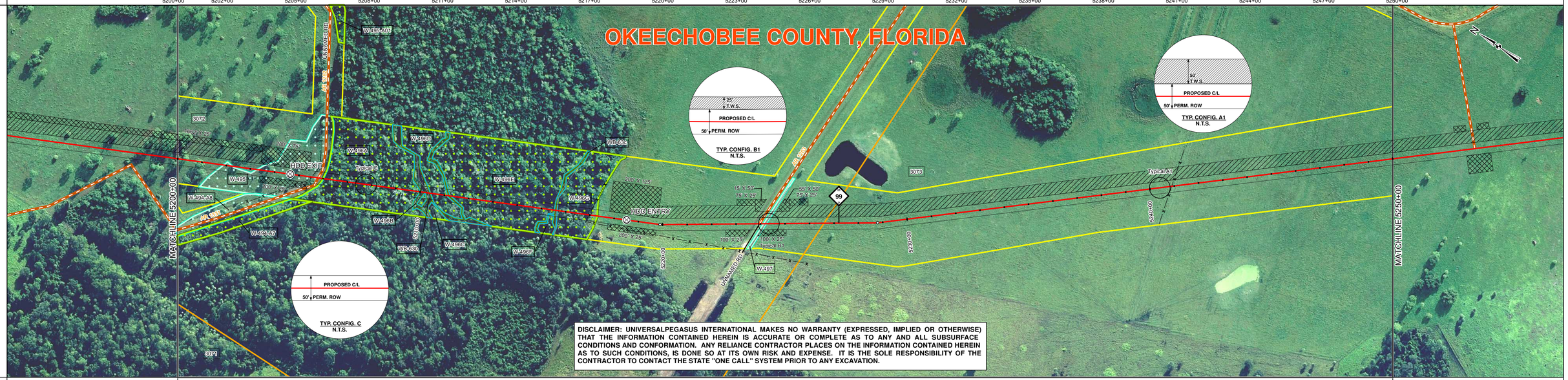
TRACT	MATCHLINE 5200+00	3072 SUNBREAK FARMS SMITH, LLC 2660 FT 5200+00 TO 5226+60	3073 SUNBREAK FARMS SMITH, LLC 2340 FT 5226+60 TO 5250+00	MATCHLINE 5250+00

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



SCALE: 1" = 200'



SURVEY DATA — STATIONING

MATCHLINE 5200+00

5204+65 HDD EXIT
5205+52 FENCE
5205+83 UNNAMED RD
5205+83 CLAR 1262
5205+93 CLAR 1331
5210+26 TOP OF BANK
5210+46 CL DITCH
5210+47 TOP OF BANK
5215+49 TOP OF BANK
5215+62 CL DITCH
5215+68 TOP OF BANK
5216+97 FENCE
5218+52 HDD ENTRY
5219+90 PI #11°50' LT
5223+63 TOP OF BANK
5223+73 CL DITCH
5223+87 TOP OF BANK
5223+96 CLAR 283
5224+06 UNNAMED RD
5224+07 TOP OF BANK
5224+21 CL DITCH
5224+32 TOP OF BANK
5228+78 PI #38°39' LT
5240+90 FENCE

MATCHLINE 5250+00

ENGINEERING DATA — MATERIAL

MATCHLINE 5200+00

7 — 29-7K# SBW 11.5 CC — 385'
11 — 80'
8'
10 — 1387'
10'
11 — 80'
11-7K# SBW 11.5 CC
7 — 3068'

5201+38
5203+85
5204+60
5204+65
5204+85
5208+36
5209+92
5211+07
5216+97
5218+52
5218+52
5219+32
5219+90
5223+45
5223+61
5223+61
5224+76
5228+79
5233+61
5243+81

MATCHLINE 5250+00

REFERENCE DRAWING	21040-505-HDW-12013
CLASS LOCATION	Class I
MINIMUM DEPTH OF COVER	3' — SEE REF DWG — 3' — 5' — 3'
AC MITIGATION / CATHODIC PROTECTION	

ENVIRONMENTAL DATA

MATCHLINE 5200+00

WATERBODY/WETLAND CROSSINGS	W-495 — W-495 — W-496A — WB-63b — W-496D — WB-63b — W-496E — WB-63c — W-496G — W-497
WATERBODY/WETLAND LENGTH	35' — 271' — 398' — 46' — 69' — 15' — 426' — 12' — 165' — 10'
STATIONS	5201+90, 5202+25, 5203+28, 5204+65, 5205+99, 5205+99, 5209+97, 5209+97, 5210+43, 5210+43, 5211+12, 5211+12, 5211+27, 5211+27, 5215+53, 5215+53, 5215+65, 5215+65, 5217+30, 5218+52, 5223+53, 5224+13, 5224+23, 5224+42
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 5250+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
7	3453	FT			30" O.D. x 0.429" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE
10	1387	FT			30" O.D. x 0.617" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO
11	160	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
	1	EA			8° 3R VERTICAL FITTING

PIPE ASSEMBLIES

QTY	UOM	DESCRIPTION

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
40	EA			SET ON WEIGHTS
5	EA			PIPELINE MARKERS
4	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
- 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
- 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: 5200+00 TO 5250+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET OKEECHOBEE COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00110 | REV. 1

SHEET 110