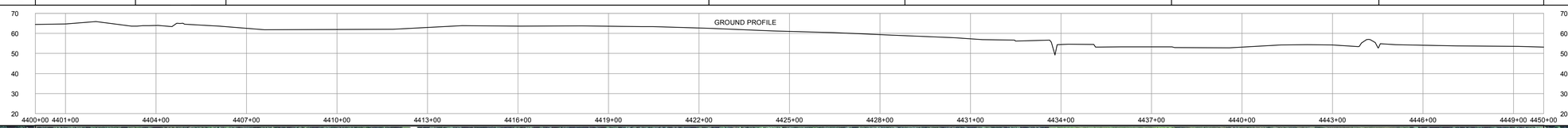
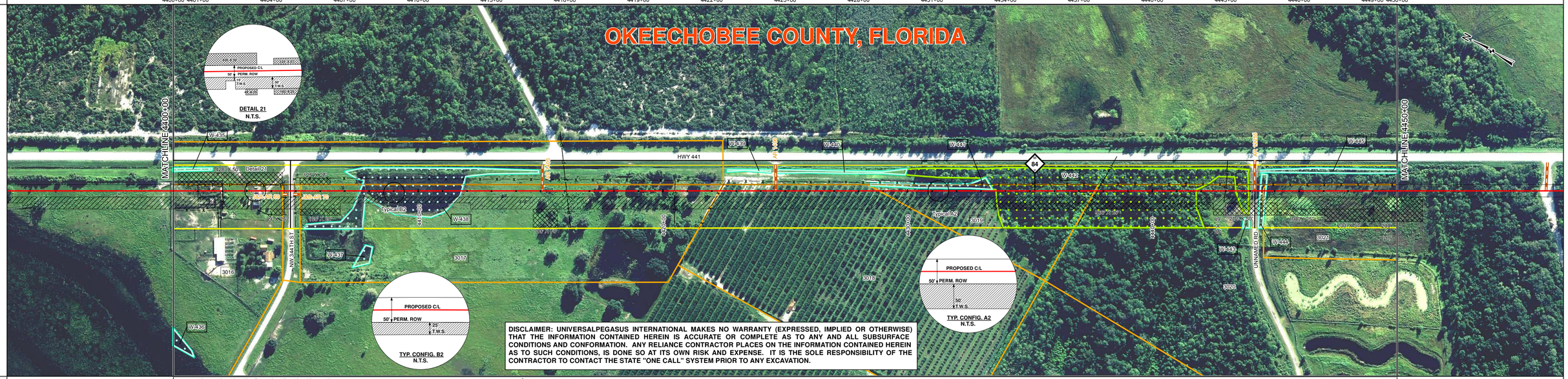
TRACT	MATCHLINE 4400+00	3016 BULL HEAD RANCH, INC. 447 FT 4400+00 TO 4404+47	NW 344TH ST OKEECHOBEE COUNTY 70 FT 4404+47 TO 4405+17	3017 STEVEN MICHAEL SMITH 1716 FT 4405+17 TO 4422+33	3018 DAVID R. LAWSON, JR. 649 FT 4422+33 TO 4428+82	3019 DAVID R. LAWSON, JR. 884 FT 4428+82 TO 4437+66	3020 PAUL CALCATERRA 688 FT 4437+66 TO 4444+54	3021 PAUL CALCATERRA 546 FT 4444+54 TO 4450+00	MATCHLINE 4450+00

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



SCALE: 1" = 200'



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SURVEY DATA

STATIONING

MATCHLINE 4400+00

4400+85 GUY ANCHOR
4400+87 FENCE CORNER LT 24'
4401+00 FENCE CORNER RT 28'
4401+00 FENCE CORNER RT 28'
4401+00 FENCE CORNER RT 70'
4401+02 POWER POLE LT 26'
4401+09 FENCE CORNER RT 28'
4401+10 FENCE CORNER RT 28'
4401+68 FENCE CORNER RT 28'
4401+71 FENCE CORNER RT 40'
4402+01 FENCE CORNER LT 25'
4402+02 UTILITY RAMP RT 68'
4402+11 OVERHEAD POWER LT 26'
4402+42 POWER POLE SLAB RT 59'
4402+70 CONCRETE SLAB RT 54'
4402+93 ROAD EDGE
4403+35 CONCRETE SLAB RT 24'
4403+55 CONCRETE SLAB LT 24'
4403+80 CONCRETE SLAB RT 49'
4404+03 ROAD EDGE
4404+31 OVERHEAD POWER LT 23'
4404+43 LIGHT BASE LT 21'
4404+51 POWER POLE
4404+52 POWER LINE
4404+66 GUY ANCHOR
4404+72 FENCE
4404+88 ROAD EDGE
4404+78 NW 344TH ST.
4404+90 ROAD EDGE
4404+94 FENCE
4405+17 IRON PIPE LT 26'
4407+58 WATER EDGE
4407+98 WATER EDGE
4411+83 WATER EDGE
4415+07 CLAR 1405
4416+06 POWER LINE
4420+48 POWER LINE
4420+49 POWER POLE RT 71'
4422+34 FENCE
4422+47 MONUMENT LT 25'
4424+62 CLAR 1406
4429+96 CULVERT LT 19'
4430+26 CULVERT LT 16'
4430+54 CULVERT LT 16'
4431+73 CULVERT LT 17'
4433+68 TOP OF BANK
4433+87 TOP OF BANK
4437+77 POWER LINE
4442+93 POWER POLE RT 47'
4442+94 PARKING LOT RT 67'
4442+99 POWER LINE
4443+01 GUY ANCHOR RT 57'
4443+29 PARKING LOT RT 56'
4443+58 PARKING LOT RT 56'
4443+86 TOE OF SLOPE
4443+89 CULVERT RT 35'
4443+90 PARKING LOT RT 98'
4443+98 TOP OF BANK
4444+00 PARKING LOT RT 98'
4444+12 PARKING LOT RT 83'
4444+13 ROAD EDGE
4444+19 CLAR 12255
4444+19 UNNAMED RD
4444+51 TOE OF SLOPE
4444+42 TOP OF BANK
4444+59 TOP OF BANK
4444+79 IRON ROD LT 25'

MATCHLINE 4450+00

ENGINEERING DATA

MATERIAL

MATCHLINE 4400+00

7 — 418'
9 — 120'
46-7K# SBW 11.5 CC
7 — 3861'
1081'-6" CCC
9 — 40'
68'-6" CCC
7 — 511'
12 — 50'

4403+03
4404+18
4404+46
4405+16
4405+38
4407+11
4412+29
4412+41
4414+97
4422+33
4432+31
4433+12
4441+91
4443+93
4443+99
4444+36
4444+37
4444+48
4445+13
4449+50
4449+52

MATCHLINE 4450+00

REFERENCE DRAWING	21040-440-PMW-00045	
CLASS LOCATION	Class I	4449+50 Class III
MINIMUM DEPTH OF COVER	3' 4' SEE REF DWG 3' 4' 3'	
AC MITIGATION / CATHODIC PROTECTION		

ENVIRONMENTAL DATA

MATCHLINE 4400+00

WATERBODY/WETLAND CROSSINGS	W-438	W-442 W-442 W-444
WATERBODY/WETLAND LENGTH	414'	818' 52' 21'
STATIONS	4402+12 4404+18 4405+38 4407+63 4411+77	4433+62 4441+80 4443+09 4443+41 4443+93 4444+29 4444+37 4444+62 4444+63
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 4450+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
7	4790	FT			30" O.D. x 0.429" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE
9	160	FT			30" O.D. x 0.514" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO
12	50	FT			30" O.D. x 0.617" 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
46	EA			SET ON WEIGHTS
3	EA			PIPELINE MARKERS
6	EA			WARNING SIGNS
2	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
1149	FT			6" 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

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
(A) AERIAL MARKER
(1) (2) CP TEST STATION
BV MOV / BV & CV
PIPELINE MARKER
(A) PIPELINE MILEPOST
(A) ANODE BED DEEP WELL
PIPELINE ROUTE
X FENCE
P POWER LINE
T TELEPHONE LINE
W WATERLINE
S SEWER LINE
C BURIED CABLE
U 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
XXXXX.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

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: 4400+00 TO 4450+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION
ALIGNMENT SHEET
OKEECHOBEE COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00093 | REV. 1