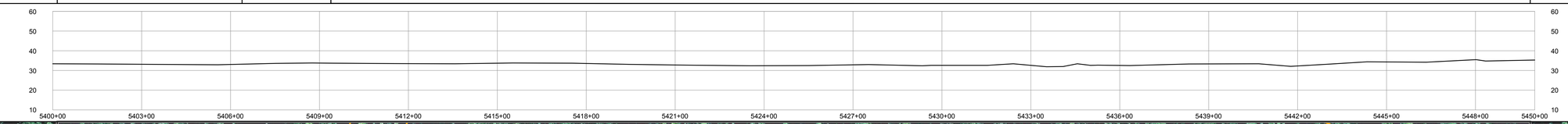
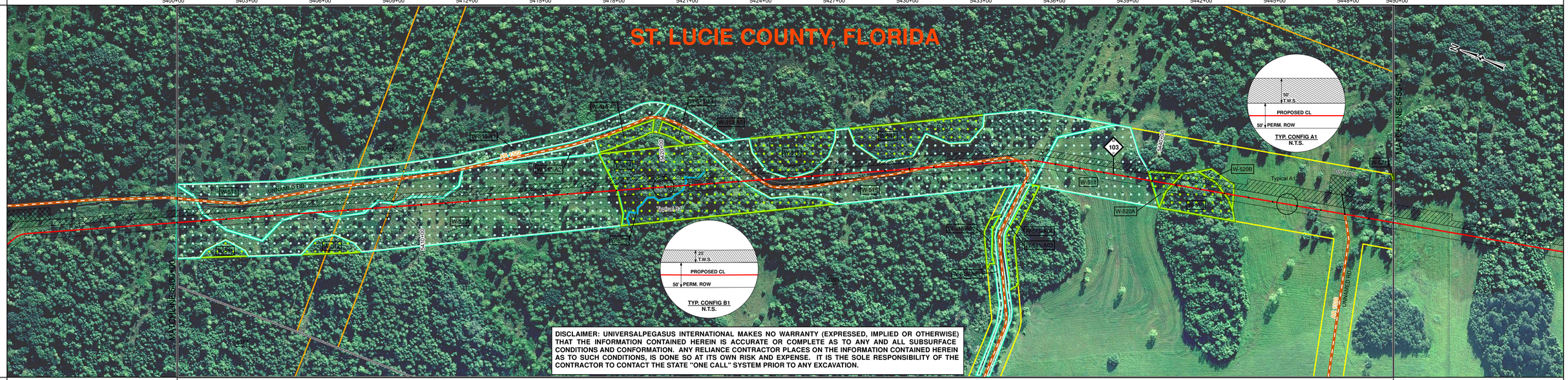
TRACT	MATCHLINE 5400+00	4001 MLIC ASSET HOLDINGS LLC 676 FT 5400+00 TO 5406+76	4001.05 JOSEPH G. MILLER REVOCABLE LIVING TRUST 198 FT 5406+76 TO 5408+74	4001.1 OKEECHOBEE LANDFILL, INC. 4126 FT 5408+74 TO 5450+00	MATCHLINE 5450+00

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



SCALE: 1" = 200'



SURVEY DATA — STATIONING

MATCHLINE 5400+00

5408+75 FENCE

5423+47 TOP OF BANK
5423+40 CL DITCH
5423+74 TOP OF BANK
5423+87 UNNAMED RD
5424+02 CLAR 1322
5424+02 TOP OF BANK
5424+16 CL DITCH
5424+34 TOP OF BANK

5428+10 TOP OF BANK

5429+15 CL DITCH

5429+95 TOP OF BANK

5430+65 CLAR 1322
5430+65 UNNAMED RD

5432+89 TOP OF BANK

5433+69 CL DITCH

5434+46 UNNAMED RD
5434+46 CLAR 1322

5435+01 PI 135°49' RT

5435+26 FENCE

5447+99 CLAR 1330
5447+99 UNNAMED RD

MATCHLINE 5450+00

ENGINEERING DATA — MATERIAL

MATCHLINE 5400+00

3472'-6" CCC

7
5000'

5-9K# SBW
11.5 CC

865'-6" CCC

5402+75
5408+76
5418+75
5429+95
5434+71
5434+72
5434+74
5435+02
5435+20
5435+22
5435+26
5442+64
5443+87

MATCHLINE 5450+00

REFERENCE DRAWING

CLASS LOCATION: Class I

ENVIRONMENTAL DATA

MATCHLINE 5400+00

MINIMUM DEPTH OF COVER: 3' | 5' | 3' | 5' | 3' | 5' | 3' | 4' | 3' | 5' | 3' | 4' | 3' | 4' | 3'

AC MITIGATION: THIS BAND NOT UTILIZED

WATERBODY/WETLAND CROSSINGS	W-510	W-513	W-510	W-513	W-510	W-514	WB-68	W-514	W-515	W-516	W-515	W-518	W-520A	W-519	W-520B
WATERBODY/WETLAND LENGTH	142'	370'	57'	218'	1015'	275'	5'	235'	179'	28'	1030'	442'	89'	213'	39'

STATIONS

5401+42
5401+42
5405+12
5405+12
5405+69
5405+69
5407+87
5407+87
5418+02
5418+02
5420+57
5420+77
5420+77
5420+82
5420+82
5421+02
5423+17
5423+17
5423+37
5424+44
5424+96
5424+96
5425+24
5425+24
5428+00
5430+05
5430+55
5430+75
5432+79
5433+79
5434+36
5434+56
5435+54
5435+54
5439+96
5439+96
5440+85
5440+85
5442+98
5442+98
5443+37
5447+89
5448+09

PERMANENT EROSION CONTROL: EROSION CONTROL CODE; SLOPE BREAKER CODE

THREATENED AND ENDANGERED SPECIES: THIS BAND NOT UTILIZED

SPECIAL CONDITIONS: TIMING CONSTRAINT; CONSTRAINT 2; CONSTRAINT 3; CONSTRAINT 4: THIS BAND NOT UTILIZED

MATCHLINE 5450+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
7	5000	FT			30" O.D. x 0.429" 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
5	EA			SET ON WEIGHTS
5	EA			PIPELINE MARKERS
2	EA			WARNING SIGNS
1	EA			CP TEST STATION TYPE 1
0	EA			CP TEST STATION TYPE 2
0	EA			AERIAL MARKERS

CONCRETE COATING

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
4337	FT			6" OF 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 SECTION, TYPE 1
21040-510-TYP-20002	CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2
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 21040-506-MTL-00001.

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
- 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

REVISIONS

NO.	DESCRIPTION	DATE	REV BY	CHK BY	APP BY
G	ISSUED FOR 90% REVIEW	2015-08-14	MB	MJ	RG
F	ISSUED FOR FINAL REVIEW	2014-09-05	MB	RG	LD
E	ISSUED FOR FERC FILING	2014-08-15	MB	RG	LD
D	ISSUED FOR 60% REVIEW	2014-06-16	MB	RG	LD

APPROVAL	COMPANY
ENVIRONMENTAL	
LAND	

0 100 200 400 800 1600

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: 5400+00 TO 5450+00 | DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET ST. LUCIE COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00114 | REV. G