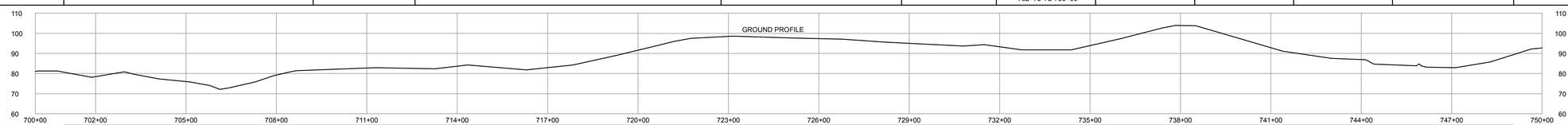
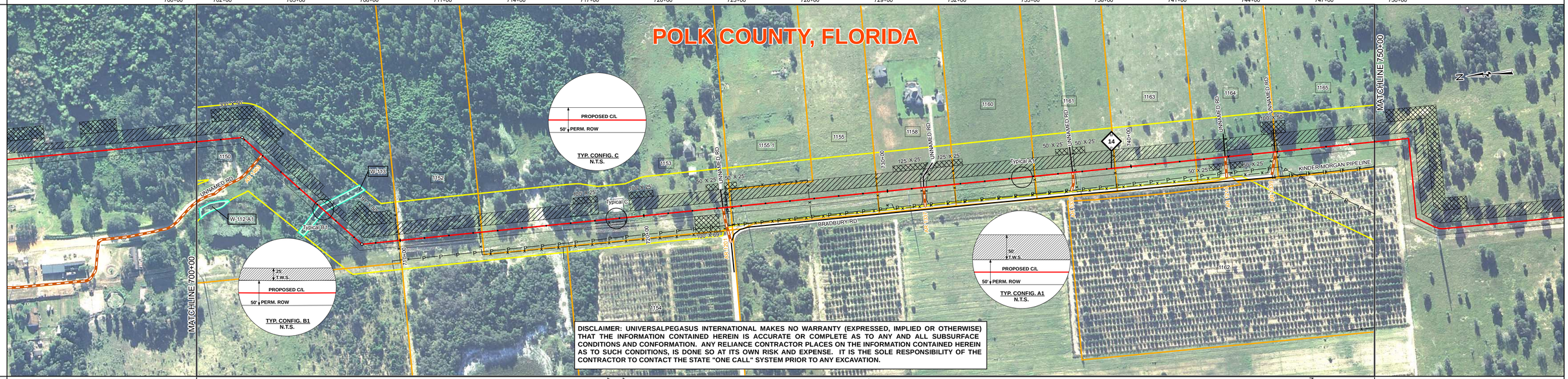
| TRACT | MATCHLINE 700+00 | 1150 SALVADOR LOPEZ, SR. 996 FT 700+00 TO 709+96 | 1152 CHARLES E. GLASS AND VIRGINIA M. GLASS 340 FT 709+96 TO 713+36 | 1153 STEPHEN J. FOX, LLC AND SANDRA R. FOX, LLC 1020 FT 713+36 TO 723+56 | 1155 STEPHEN J. FOX, LLC AND SANDRA R. FOX, LLC 603 FT 723+56 TO 729+59 | 1158 ROBERT C. WALKER, KAREN L. WALKER 316 FT 729+59 TO 732+75 | 1160 ERNEST K. BRADBURY, MARGARET A. BRADBURY 331 FT 732+75 TO 736+06 | 1161 ERNEST KENNETH BRADBURY 330 FT 736+06 TO 739+36 | 1163 CHAIN OF LAKES CITRUS & CATTLE, L.L.C. 330 FT 739+36 TO 742+66 | 1164 CHAIN OF LAKES CITRUS & CATTLE, L.L.C. 330 FT 742+66 TO 745+96 | 1165 CHAIN OF LAKES CITRUS & CATTLE, L.L.C. 404 FT 745+96 TO 750+00 | MATCHLINE 750+00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

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




SCALE: 1" = 200'

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## SURVEY DATA

### STATIONING

MATCHLINE 700+00

701+87 PI 47°7'54" RT
702+91 ROAD EDGE
702+94 UNNAMED RD
702+96 CLAR 1463
703+01 ROAD EDGE
708+43 PI 47°31'7" LT
709+90 FENCE
713+26 FENCE
719+57 POLE BARN LT 17
719+20 POLE BARN LT 17
723+20 ROAD EDGE
723+25 ROAD EDGE
723+25 UNNAMED RD
723+30 ROAD EDGE
723+40 FENCE CORNER
723+40 FENCE
723+40 FENCE CORNER
723+43 POWER LINE
723+54 ROAD EDGE
723+64 FENCE CORNER LT 74'
728+79 FENCE
729+54 POWER POLE RT 21'
729+59 FENCE
731+37 FENCE CORNER LT 26'
731+38 FENCE
731+45 ROAD EDGE
731+44 FENCE CORNER LT 56'
731+49 UNNAMED RD
731+55 ROAD EDGE
731+59 FENCE CORNER LT 5
731+60 FENCE
731+62 FENCE CORNER LT 5
731+82 FENCE CORNER LT 61'
732+11 FENCE CORNER LT 99'
732+74 FENCE
736+02 FENCE
737+55 ROAD EDGE
737+60 CLAR 1338
737+60 UNNAMED RD
737+65 ROAD EDGE
737+70 FENCE
739+33 FENCE
743+86 UNNAMED RD
743+86 CLAR 1214
744+01 FENCE
745+83 FENCE CORNER RT 2'
745+83 FENCE
745+87 ROAD EDGE
745+91 CLAR 1339
745+91 UNNAMED RD
746+05 ROAD EDGE
746+05 FENCE
746+11 FOREIGN P/L KINDER MORGAN PIPELINE RT 104'

MATCHLINE 750+00

## ENGINEERING DATA

### MATERIAL

MATCHLINE 700+00

IB-105
13-9K# SBW 11.5 CC
IB-106
5 3129'
4 40'
5 1831'

701+87
701+87
703+06
705+57
706+95
708+43
708+43
709+90
713+26
723+40
728+79
729+59
731+29
731+38
731+69
732+74
736+02
737+70
739+33
745+83
746+00

MATCHLINE 750+00

| | |
|---|---|
| REFERENCE DRAWING | |
| CLASS LOCATION | Class II |
| MINIMUM DEPTH OF COVER | 3' |
| AC MITIGATION / CATHODIC PROTECTION | DCD 15A: 1,600 feet of single strand zinc ribbon (install 20' ground rods every 100' (17 total locations)); DCD 15B; DCD 16A: 350 feet of single strand zinc ribbon (install 20' ground rods every 100' (4 total locations)); DCD 16B |

## ENVIRONMENTAL DATA

MATCHLINE 700+00

| | |
|---|---|
| WATERBODY/WETLAND CROSSINGS | W-113 |
| WATERBODY/WETLAND LENGTH | 28' |
| STATIONS | 706+12, 706+40, 708+46, 724+46, 729+34, 732+84, 746+48 |
| 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 750+00

## BILL OF MATERIALS

| ITEM NO. | QTY | UOM | REQ'N NUMBER | MATERIAL NUMBER | DESCRIPTION |
|---|---|---|---|---|---|
| 4 | 40 | FT | | | 36" O.D. x 0.750" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO |
| 5 | 4960 | 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 |
|---|---|---|---|---|---|

## PIPE ASSEMBLIES

| QTY | UOM | DESCRIPTION |
|---|---|---|

## MISCELLANEOUS MATERIALS

| QTY | UOM | REQ'N NUMBER | MATERIAL NUMBER | DESCRIPTION |
|---|---|---|---|---|
| 13 | EA | | | SET ON WEIGHTS |
| 2 | EA | | | PIPELINE MARKERS |
| 13 | 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<br>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 STRAINGENT.
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 & CV
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 / 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 |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| 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: 700+00 TO 750+00 | DISCIPLINE#: 03

# FLORIDA SOUTHEAST CONNECTION
# ALIGNMENT SHEET
# POLK COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00016 | REV. 1