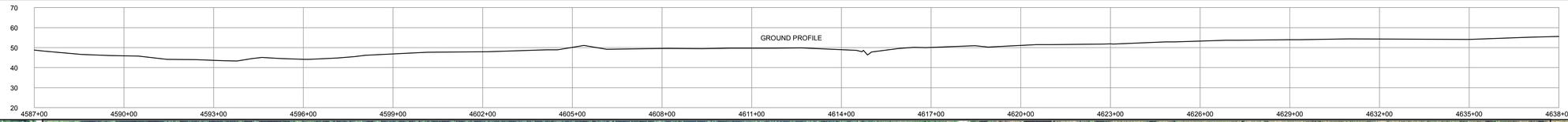
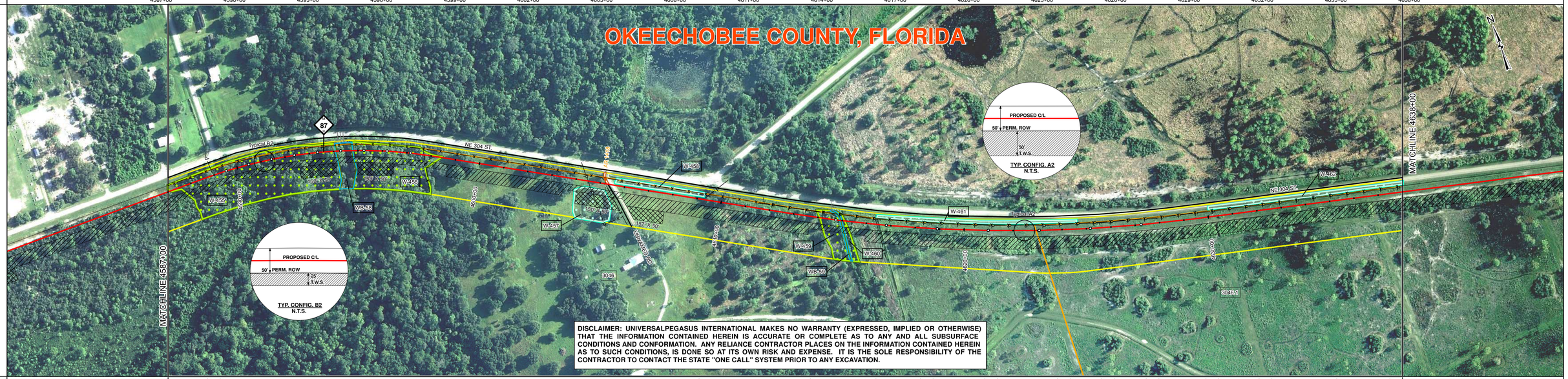
| TRACT | MATCHLINE 4587+00 | 3046<br>CASTAWAY RANCH, LLC<br>3593 FT<br>4587+00 TO 4622+93 | 3046.1<br>CASTAWAY RANCH, LLC<br>1507 FT<br>4622+93 TO 4638+00 | MATCHLINE 4638+00 |
|---|---|---|---|---|

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




SCALE: 1" = 200'

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## SURVEY DATA

### STATIONING

MATCHLINE 4587+00

4588+58 MONUMENT LT 25'
4588+95 POWER POLE LT 25'
4589+46 GUY ANCHOR LT 13'
4590+48 PI 2°56'36" RT
4591+44 PI 2°56'36" RT
4592+39 PI 2°56'36" RT
4593+24 PI 2°56'36" RT
4593+43 MONUMENT LT 24'
4594+29 PI 2°56'36" RT
4595+24 PI 2°56'36" RT
4596+19 PI 2°56'36" RT
4597+14 PI 2°56'36" RT
4597+64 FENCE CORNER
4597+71 FENCE
4598+10 MONUMENT LT 25'
4604+38 OVERHEAD POWER LT 24'
4604+88 POWER LINE
4604+62 POWER POLE
4605+04 FENCE POST LT 23'
4605+21 FENCE
4605+22 UNNAMED RD
4606+32 CLAR 1418
4609+33 GUY ANCHOR LT 8'
4610+48 PEDESTAL LT 25'
4611+48 GUY ANCHOR LT 21'
4611+53 GUY ANCHOR LT 21'
4611+75 POWER POLE LT 22'
4611+88 OVERHEAD POWER LT 22'
4612+86 IRON ROD LT 25'
4614+04 POWER POLE LT 23'
4614+18 OVERHEAD POWER LT 24'
4614+69 TOP OF BANK
4614+78 PI 2°23'37" LT
4615+01 TOP OF BANK
4616+32 FENCE CORNER LT 24'
4616+38 POWER POLE LT 23'
4616+42 FENCE
4616+82 PI 2°23'37" LT
4618+16 OVERHEAD POWER LT 23'
4618+66 POWER POLE LT 23'
4618+87 GUY ANCHOR LT 13'
4618+91 PI 2°23'37" LT
4620+76 OVERHEAD POWER LT 22'
4620+89 PI 2°23'37" LT
4621+01 POWER POLE LT 22'
4621+02 GUY ANCHOR LT 14'
4622+17 OVERHEAD POWER LT 22'
4622+78 MONUMENT LT 24'
4623+07 PI 2°23'37" LT
4623+31 POWER POLE LT 22'
4623+32 GUY ANCHOR LT 14'
4624+84 OVERHEAD POWER LT 22'
4625+16 PI 2°23'37" LT
4625+55 POWER POLE LT 22'
4625+65 GUY ANCHOR LT 13'
4626+85 OVERHEAD POWER LT 23'
4627+24 PI 2°23'37" LT
4627+90 POWER POLE LT 20'
4627+91 GUY ANCHOR LT 14'
4628+96 OVERHEAD POWER LT 22'
4630+25 POWER POLE LT 20'
4630+25 GUY ANCHOR LT 15'
4630+99 OVERHEAD POWER LT 22'
4632+60 POWER POLE LT 21'
4632+61 GUY ANCHOR LT 15'
4633+01 OVERHEAD POWER LT 21'
4634+98 OVERHEAD POWER LT 22'
4635+46 POWER POLE LT 20'
4636+97 OVERHEAD POWER LT 21'
4637+72 POWER POLE LT 21'

MATCHLINE 4638+00

### ENGINEERING DATA

MATERIAL

329'-6" CCC
4-7K# SBW 11.5 CC
245'-6" CCC
4-7K# SBW 11.5 CC
246'-6" CCC
4-7K# SBW 11.5 CC
252'-6" CCC
7 5100'
19-7K# SBW 11.5 CC

4590+29
4590+31
4590+66
4590+69
4592+39
4593+14
4593+16
4593+51
4593+54
4594+02
4594+83
4596+00
4596+02
4596+37
4596+40
4598+52
4605+15
4605+21
4613+53
4615+05
4615+60
4616+42
4618+91
4626+42
4636+42

REFERENCE DRAWING

CLASS LOCATION: Class I

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

AC MITIGATION / CATHODIC PROTECTION

### ENVIRONMENTAL DATA

WATERBODY/WETLAND CROSSINGS: W-455 | WB-58 | W-456 | W-459 | WB-59 | W-460

WATERBODY/WETLAND LENGTH: 694' | 71' | 364' | 82' | 9' | 12'

STATIONS

4587+13
4593+87
4594+07
4594+17
4594+78
4594+98
4598+42
4605+22
4605+42
4614+07
4614+49
4614+69
4614+89
4614+98
4615+10
4615+21
4636+20
4636+40

PERMANENT EROSION CONTROL
- EROSION CONTROL CODE: THIS BAND NOT UTILIZED
- SLOPE BREAKER CODE: THIS BAND NOT UTILIZED
- TOPSOIL SALVAGE: THIS BAND NOT UTILIZED

THREATENED AND ENDANGERED SPECIES: THIS BAND NOT UTILIZED

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

MATCHLINE 4587+00 | MATCHLINE 4638+00

## BILL OF MATERIALS

| ITEM NO. | QTY | UOM | REQ'N NUMBER | MATERIAL NUMBER | DESCRIPTION |
|---|---|---|---|---|---|
| 7 | 5100 | 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 |
|---|---|---|---|---|
| 31 | EA | | | SET ON WEIGHTS |
| 4 | EA | | | PIPELINE MARKERS |
| 5 | 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 |
|---|---|---|---|---|
| 1072 | 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<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 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
1 2 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
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: 4587+00 TO 4638+00 | DISCIPLINE#: 03

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

SCALE: 1" = 200' | 21040-510-ALS-00097 | REV. 1