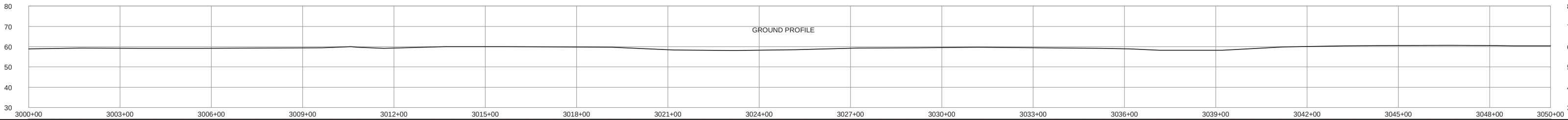
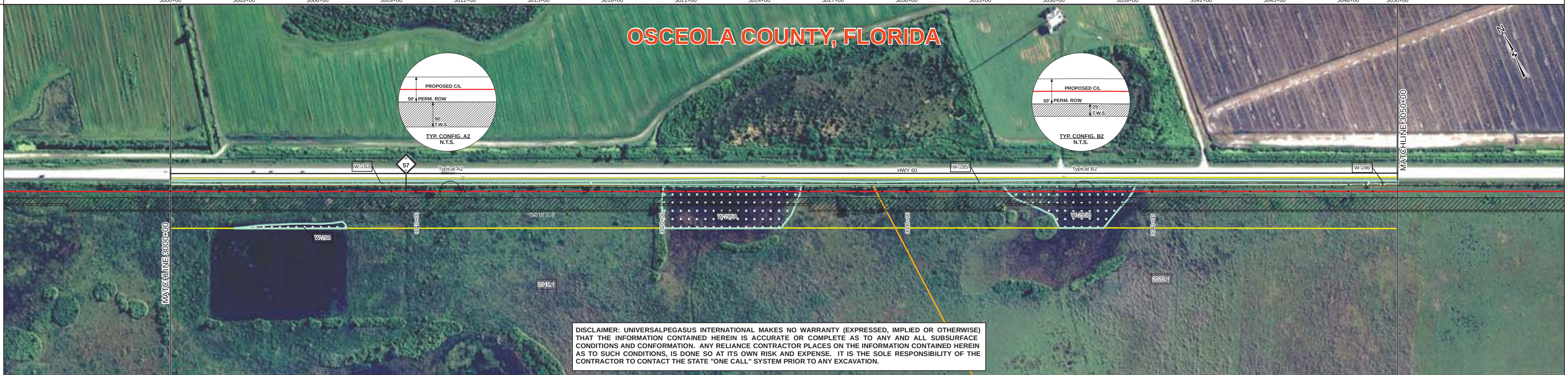
TRACT	MATCHLINE 3000+00	2019.1 THE LATT MAXCY CORPORATION 2876 FT 3000+00 TO 3028+76	2020.1 THE LATT MAXCY CORPORATION 2124 FT 3028+76 TO 3050+00	MATCHLINE 3050+00

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



SCALE: 1" = 200'



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SURVEY DATA – STATIONING

MATCHLINE 3000+00
3010+58 FENCE CORNER LT 18'
3010+59 FENCE
3010+59 FENCE CORNER RT 14'
3010+78 FENCE CORNER RT 13'
3010+80 FENCE
3010+83 FENCE CORNER LT 18'
3047+81 FENCE CORNER LT 19'
MATCHLINE 3050+00

ENGINEERING DATA – MATERIAL

MATCHLINE 3000+00
64-9K# SBW 10.5 CC
(1) 5000'
60-9K# SBW 10.5 CC
3000+04
3010+59
3019+56
3020+07
3025+66
3026+17
3033+55
3034+10
3039+75
3040+00
3049+04
MATCHLINE 3050+00

REFERENCE DRAWING	
CLASS LOCATION	Class I
MINIMUM DEPTH OF COVER	3'
AC MITIGATION / CATHODIC PROTECTION	

ENVIRONMENTAL DATA

WATERBODY/WETLAND CROSSINGS	W-285A	W-285B
WATERBODY/WETLAND LENGTH	558'	510'
STATIONS	3020+07 – 3025+65	3034+10 – 3039+20

MATCHLINE 3000+00 — MATCHLINE 3050+00

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		
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

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
1	5000	FT			36" O.D. x 0.520" 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
124	EA			SET ON WEIGHTS
5	EA			PIPELINE MARKERS
1	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
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: 3000+00 TO 3050+00 | DISCIPLINE#: 03

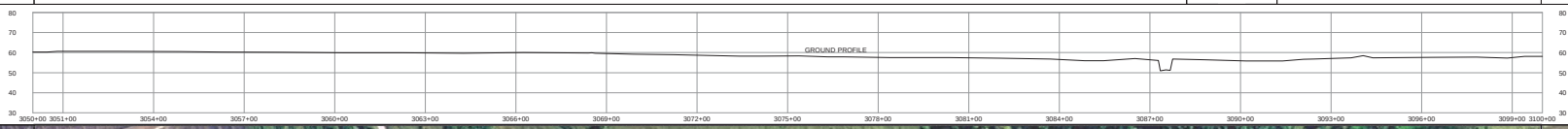
FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200' | 21040-510-ALS-00065 | REV. 1

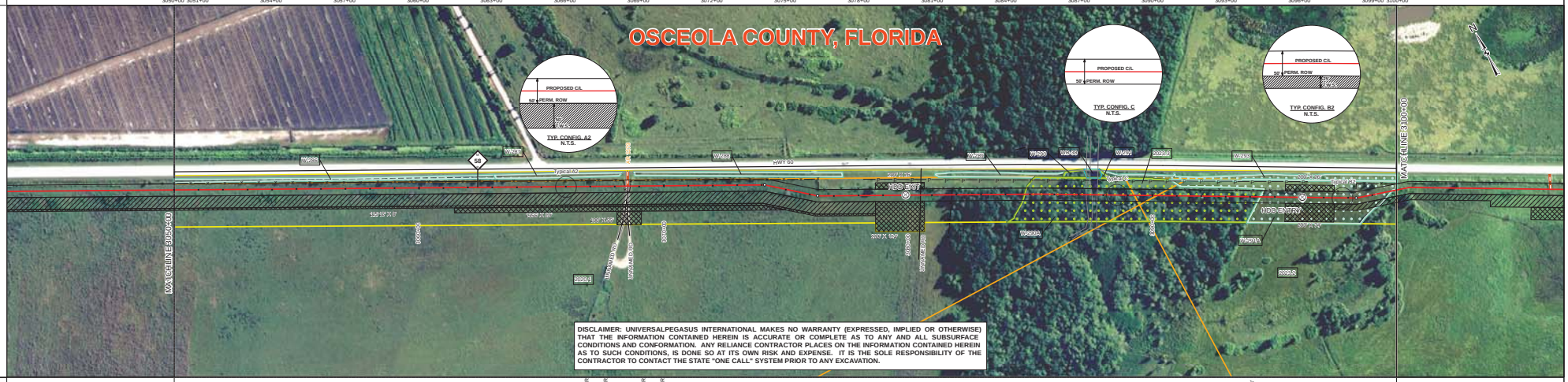
SHEET 65

TRACT	2020.1 THE LATT MAXCY CORPORATION 3926 FT 3050+00 TO 3089+26	2023.3 ADAMS RANCH, INC. 92 FT 3089+26 TO 3090+18	2023.2 THE LATT MAXCY CORPORATION 982 FT 3090+18 TO 3100+00

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



SCALE: 1" = 200'



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SURVEY DATA

STATIONING

3068+36 FENCE CORNER LT 23
3068+39 FENCE RT 24
3068+42 FENCE CORNER RT 24
3068+44 UNNAMED RD
3068+52 ROAD EDGE
3068+56 ROAD EDGE
3068+59 FENCE CORNER
3068+62 ROAD EDGE
3068+63 FENCE CORNER
3068+68 FENCE CORNER LT 23
3074+12 PI 12"X12" RT
3076+33 PI 12"X12" LT
3079+14 FENCE LT 26'
3079+93 HDD EXIT
3080+53 UNNAMED RD
3081+81 FENCE
3087+28 TOP OF BANK
3087+30 WATER EDGE
3087+32 TOE OF SLOPE
3087+53 CL DITCH
3087+67 TOE OF SLOPE
3087+71 TOP OF BANK
3087+74 WATER EDGE
3087+76 TOP OF BANK
3094+07 IRON PIPE RT 3'
3096+13 HDD ENTRY
3098+33 PI 12"X12" LT

ENGINEERING DATA

MATERIAL

1 — 2913'
5 — 80'
4 — 1620'
5 — 80'
37-9K# SBW 10.5 CC
1 — 307'

3069+04
3068+40
3068+44
3074+12
3076+33
3079+13
3079+93
3079+95
3081+81
3087+49
3096+13
3096+13
3096+13
3096+93
3098+33
3099+81

REFERENCE DRAWING	21040-505-HDW-12011
CLASS LOCATION	Class I
MINIMUM DEPTH OF COVER	3' / 4' / 3' / SEE REF DWG / 3'
AC MITIGATION / CATHODIC PROTECTION	

ENVIRONMENTAL DATA

WATERBODY/WETLAND CROSSINGS		W-290A / W-291A
WATERBODY/WETLAND LENGTH		963' / 50'
STATIONS		3068+44 3068+56 / 3079+93 / 3094+78 / 3094+41 3094+41 / 3096+13 / 3099+81
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		
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

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
1	3220	FT			36" O.D. x 0.520" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE
4	1620	FT			36" O.D. x 0.750" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO
5	160	FT			36" O.D. x 0.625" W.T., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
37	EA			SET ON WEIGHTS
6	EA			PIPELINE MARKERS
3	EA			WARNING SIGNS
0	EA			CP TEST STATION TYPE 1
0	EA			CP TEST STATION TYPE 2
0	EA			AERIAL MARKERS
0	EA			ANODE BED DEEP WELL

FITTINGS SUMMARY

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
	1	EA			10" 3R VERTICAL FITTING
	1	EA			8" 3R VERTICAL FITTING

CONTINUOUS CONCRETE COATING

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION

PIPE ASSEMBLIES

QTY	UOM	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.
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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. SEE ARK DRAWING PACKAGE FOR ANODE BED DEEP WELL.

LEGEND

HDD PIPE
BORE PIPE
LINE PIPE
IB IND RT
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 / SHORLY 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
ROADWAY
ROADWAY 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: 3050+00 TO 3100+00 — DISCIPLINE#: 03

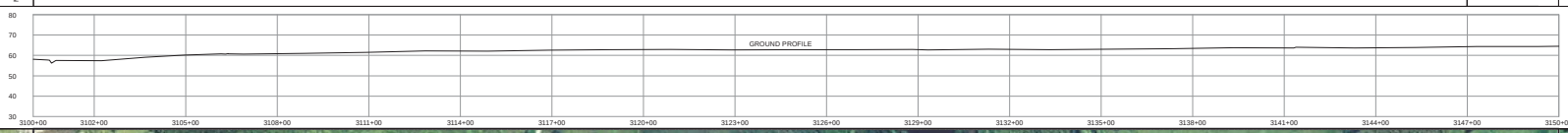
FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200' — 21040-510-ALS-00066 — REV. 1

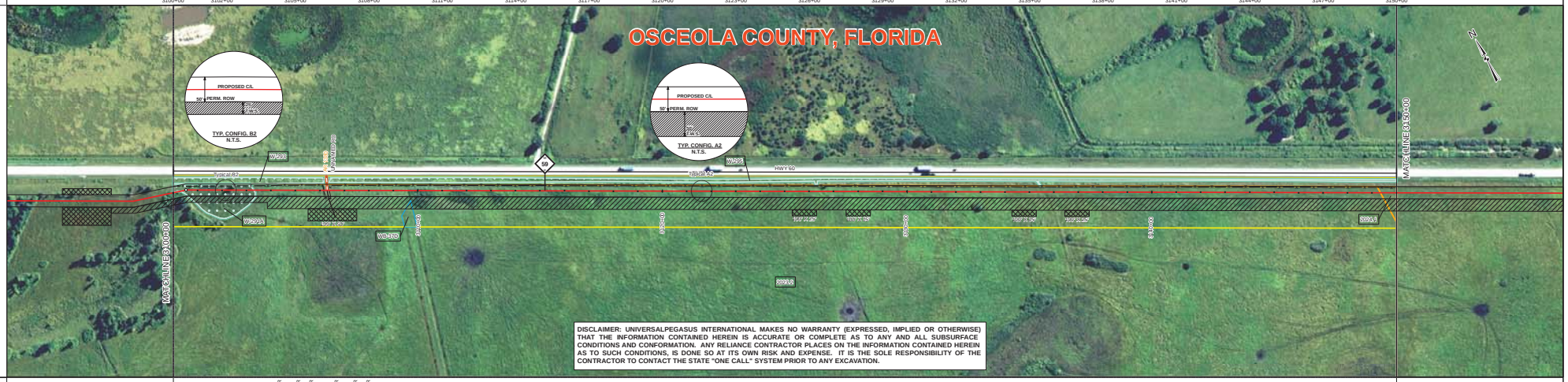
SHEET 66

TRACT	2023.2 THE LATT MAXCY CORPORATION 4934 FT 3100+00 TO 3149+34	2024.1 THE LATT MAXCY CORPORATION 66 FT 3149+34 TO 3150+00

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



SCALE: 1" = 200'



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SURVEY DATA — STATIONING

MATCHLINE 3100+00

3100+46 TOP OF BANK
3100+47 TOP OF BANK
3100+74 TOP OF BANK
3106+12 FENCE CORNER RT 3.4'
3106+15 FENCE CORNER RT 7.7'
3106+16 FENCE CORNER RT 7.7'
3106+28 FENCE CORNER RT 5.5'
3106+30 CL AR 1180
3106+35 CL AR 1180
3106+40 FENCE CORNER RT 5.5'
3106+41 FENCE
3106+45 FENCE CORNER RT 5.5'
3106+45 FENCE CORNER RT 5.4'

MATCHLINE 3150+00

ENGINEERING DATA — MATERIAL

MATCHLINE 3100+00

38-9K# SBW
10.5 CC

1
5000'

3103+96
3106+15
3106+41
3119+96
3129+96
3139+96
3149+96

MATCHLINE 3150+00

REFERENCE DRAWING		
CLASS LOCATION		Class I
MINIMUM DEPTH OF COVER	3'	4' 3'
AC MITIGATION / CATHODIC PROTECTION		

ENVIRONMENTAL DATA

MATCHLINE 3100+00

WATERBODY/WETLAND CROSSINGS		
WATERBODY/WETLAND LENGTH		
STATIONS		3100+30 3103+30 3106+20 3106+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		
SPECIAL CONDITIONS	NWPO CONSTRAINT	THIS BAND NOT UTILIZED
	CONSTRAINT 2	THIS BAND NOT UTILIZED
	CONSTRAINT 3	THIS BAND NOT UTILIZED
	CONSTRAINT 4	THIS BAND NOT UTILIZED

MATCHLINE 3150+00

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
1	5000	FT			36" O.D. x 0.520" W.T., API 5L, X70, PSL2, DSAW, 14-16 MLS FBE

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
38	EA			SET ON WEIGHTS
3	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
0	EA			ANODE BED DEEP WELL

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. SEE ARK DRAWING PACKAGE FOR ANODE BED DEEP WELL.

LEGEND

HDD PIPE
BORE PIPE
LINE PIPE
36 IND RT
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 / SHORLY 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
ROADBORE
ROADBORE 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: 3100+00 TO 3150+00 — DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION
ALIGNMENT SHEET
OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200' — 21040-510-ALS-00067 — REV. 1

FITTINGS SUMMARY

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION

PIPE ASSEMBLIES

QTY	UOM	DESCRIPTION

CONTINUOUS CONCRETE COATING

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION

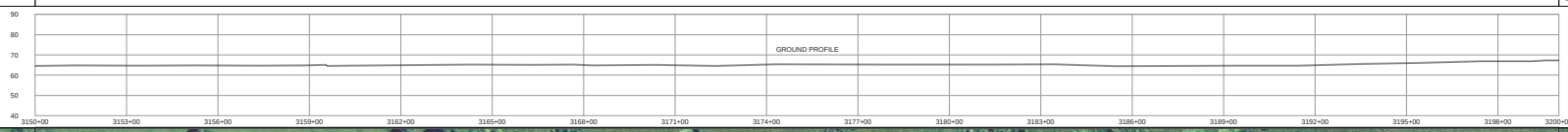
PIPE COATING DATA

PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO
GIRTH WELD COATING: 2 PART EPOXY
INTERNAL COATING (YES/NO): NO

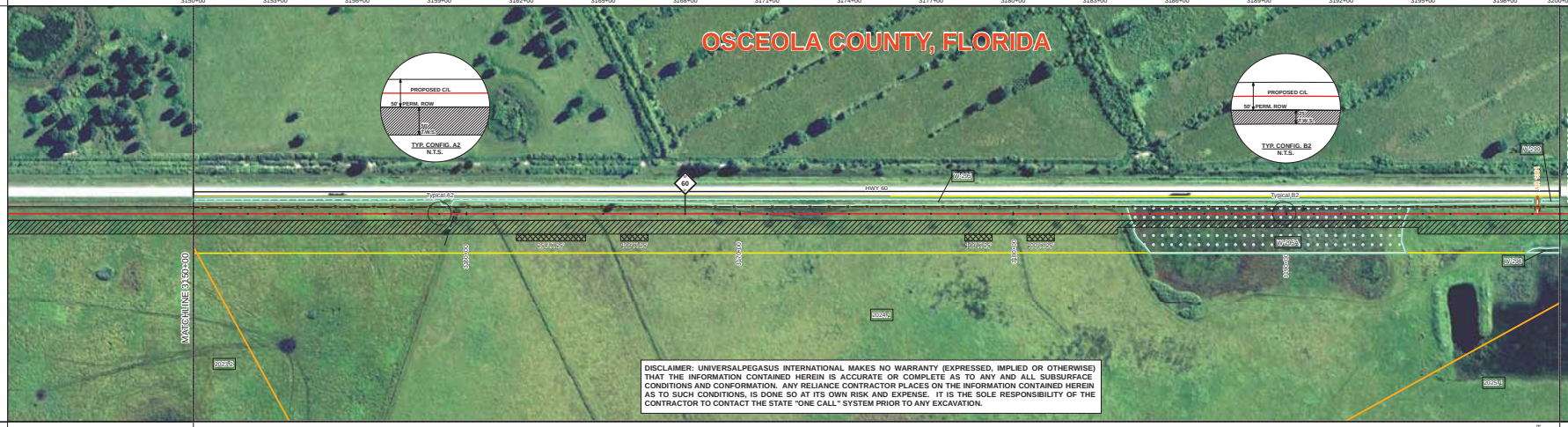
TRACT

2024.1
THE LATT MAXCY CORPORATION
5000 FT
3150+00 TO 3200+00

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



SCALE: 1" = 200'



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SURVEY DATA — STATIONING

3159+66 FENCE

3199+18 C L AR 1383
3199+72 NW SE CORNER
L T 23

ENGINEERING DATA — MATERIAL

3156+21
3159+66
3160+54
3164+96
3179+96
3183+70
3188+96
3194+94
3198+96

5000'

108-9K# SBW
10.5 CC

REFERENCE DRAWING	
CLASS LOCATION	Class I
MINIMUM DEPTH OF COVER	3' 4' 3' 4' 3' 4' 3'
AC MITIGATION / CATHODIC PROTECTION	

ENVIRONMENTAL DATA

WATERBODY/WETLAND CROSSINGS	W 2024
WATERBODY/WETLAND LENGTH	283.7'
STATIONS	3159+70, 3160+40, 3179+20, 3179+80, 3184+23, 3194+40, 3198+96, 3199+38
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 — TMPRY 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

BILL OF MATERIALS

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
1	5000	FT			36" O.D. x 0.520" W.T., API 5L, X70, PSL2, DSAW, 14-16 MLS FBE

MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
108	EA			SET ON WEIGHTS
4	EA			PIPELINE MARKERS
1	EA			WARNING SIGNS
1	EA			CP TEST STATION TYPE 1
0	EA			CP TEST STATION TYPE 2
1	EA			AERIAL MARKERS
0	EA			ANODE BED DEEP WELL

FITTINGS SUMMARY

ITEM NO.	QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION

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

PIPE ASSEMBLIES

QTY	UOM	DESCRIPTION

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. SEE ARK DRAWING PACKAGE FOR ANODE BED DEEP WELL.

LEGEND

HDD PIPE
BORE PIPE
LINE PIPE
IR RAD PIT
RDUCTION 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 / SHIDDLY ROAD
COUNTY BOUNDARY
ROW PARCEL
PLSS SECTION LINE
TRAP
WATER WELL
HDD ENTRY / E-XIT
PERMANENT ROW
TEMPORARY WORKSPACE
ADDITIONAL TEMPORARY WORKSPACE
NON FORESTED WETLAND
FORESTED WETLAND
WATERBODY
PARCEL NUMBER
WETLAND / WATERBODY NAME
ROADWAY
ROADWAY BUFFER (1000 FWET)
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: 3150+00 TO 3200+00 — DISCIPLINE#: 03

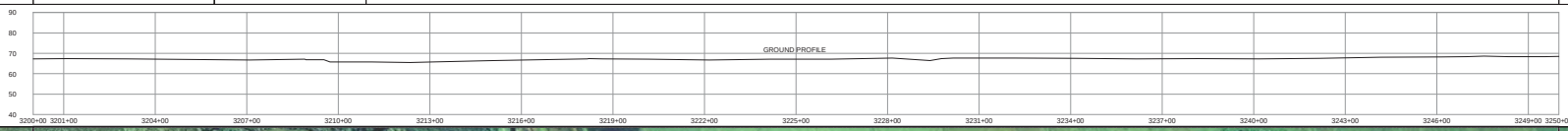
FLORIDA SOUTHEAST CONNECTION
ALIGNMENT SHEET
OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200' — 21040-510-ALS-00068 — REV. 1

TRACT	2024.1 THE LATT MAXCY CORPORATION 593 FT 3200+00 TO 3205+93	2025.1 THE LATT MAXCY CORPORATION 498 FT 3205+93 TO 3210+91	2026.1 THE LATT MAXCY CORPORATION 3909 FT 3210+91 TO 3250+00

MATCHLINE 3200+00 — MATCHLINE 3250+00

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



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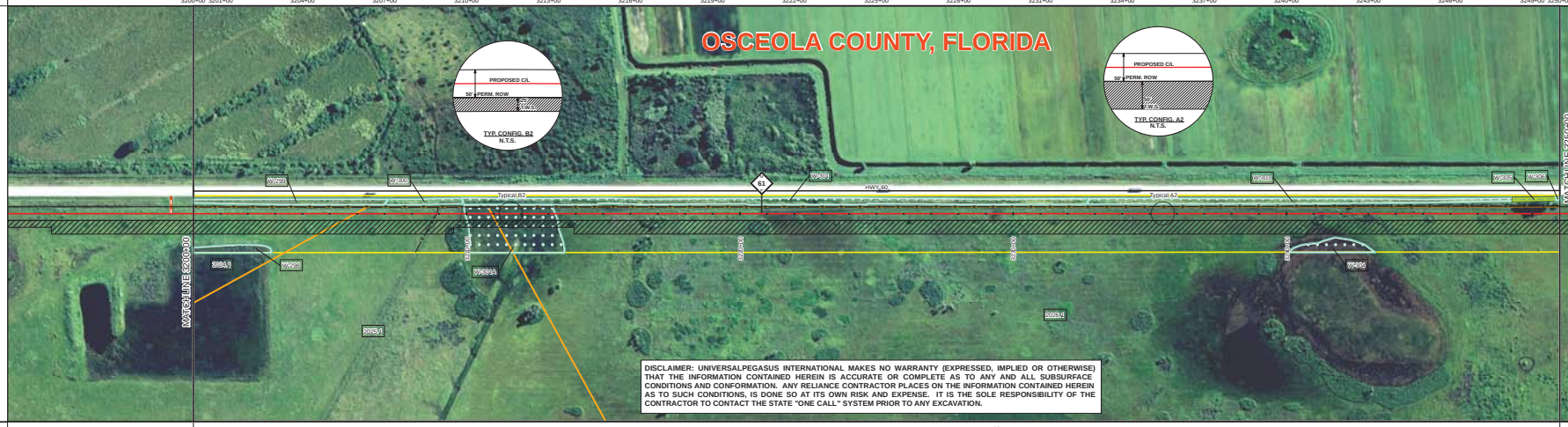

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SURVEY DATA

STATIONING

3209+90 FENCE; 3209+53 TOP OF BANK; 3209+73 CL DITCH; 3229+69 TOE OF SLOPE; 3229+76 TOP OF BANK

ENGINEERING DATA

MATERIAL

42-9K# SBW 10.5 CC; 1 5000'; 3209+90; 3209+41; 3209+50; 3209+95; 3213+75; 3219+96; 3229+96; 3239+96; 3249+96

REFERENCE DRAWING	
CLASS LOCATION	Class I
MINIMUM DEPTH OF COVER	3' 5 4 3'
AC MITIGATION / CATHODIC PROTECTION	

ENVIRONMENTAL DATA

WATERBODY/WETLAND CROSSINGS	W 3214+
WATERBODY/WETLAND LENGTH	242'
STATIONS	3209+43; 3209+83; 3209+95; 3210+24; 3213+23
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 3200+00 — MATCHLINE 3250+00

BILL OF MATERIALS

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MISCELLANEOUS MATERIALS

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION
42	EA			SET ON WEIGHTS
5	EA			PIPELINE MARKERS
1	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

FITTINGS SUMMARY

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CONTINUOUS CONCRETE COATING

QTY	UOM	REQ'N NUMBER	MATERIAL NUMBER	DESCRIPTION

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GIRTH WELD COATING: 2 PART EPOXY

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SPECIAL NOTES

1. INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 21040-505-FBW-00001.
2. SEE ARK DRAWING PACKAGE FOR ANODE BED DEEP WELL.

LEGEND

HDD PIPE; BORE PIPE; LINE PIPE; IR RAD PIT; REDUCTION BEND; TRANSITION PIPE; CONT. CONC. COAT.; SET-ON WEIGHTS; WARNING SIGN; 216 MATERIAL ITEM; AERIAL MARKER; 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 / SHIDDLY 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; 000000.000 PARCEL NUMBER; 000000 WETLAND / WATERBODY NAME; RODKERY; RODKERY 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

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FLORIDA SOUTHEAST CONNECTION

FLORIDA SOUTHEAST CONNECTION PROJECT

STA: 3200+00 TO 3250+00 — DISCIPLINE#: 03

FLORIDA SOUTHEAST CONNECTION ALIGNMENT SHEET OSCEOLA COUNTY, FLORIDA

SCALE: 1" = 200' — 21040-510-ALS-00069 — REV. 1