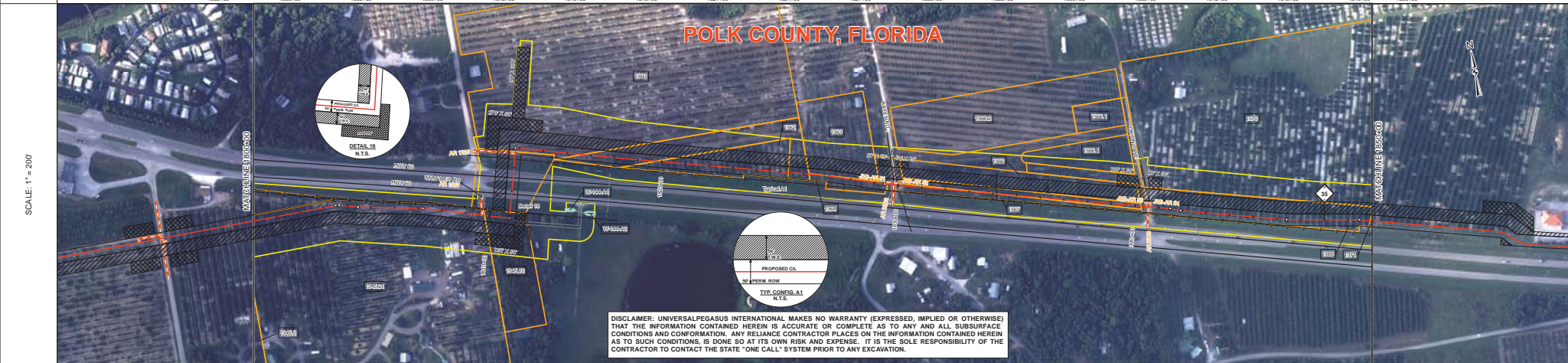
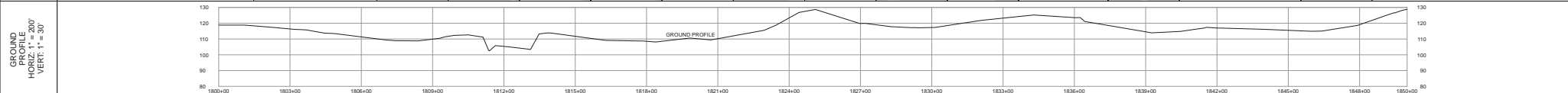


| TRACT | 1345.21 LAKE AURORA CHRISTIAN ASSEMBLY, INC. 880 FT 1800+00 TO 1809+80 | 1345.22 PATRICIA J. MOORE 134 FT 1809+80 TO 1811+11 | HIVY 60 FOOT 1811+11 TO 1813+66 | 1360 NEW LIVING STONES, INC. 300 FT 1813+66 TO 1816+66 | POLK COUNTY ROW 310 FT 1816+66 TO 1819+76 | 1362 GEORGE M. BREEN AND JOELYN ANN BREEN 593 FT 1819+76 TO 1825+35 | POLK COUNTY ROW 86 FT 1825+35 TO 1826+21 | 1364 GEORGE M. BREEN AND JOELYN ANN BREEN 531 FT 1826+21 TO 1829+52 | BREEN RD POLK COUNTY 51 FT 1829+52 TO 1830+03 | 1367 GEORGE M. BREEN AND JOELYN ANN BREEN 407 FT 1830+03 TO 1834+10 | POLK COUNTY ROW 615 FT 1834+10 TO 1840+23 | ORION LANE POLK COUNTY 36 FT 1840+23 TO 1840+49 | 1369 GODWIN GROVES, INC. 944 FT 1840+49 TO 1849+93 | 1371 EUGENE S. SMITH TRUST 7 FT 1849+93 TO 1850+00 |
|-------|------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------|--------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
|-------|------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------|--------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------|----------------------------------------------------|----------------------------------------------------|



DISCLAIMER: UNIVERSALPEGASUS INTERNATIONAL MAKES NO WARRANTY (EXPRESSED, IMPLIED OR OTHERWISE) THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY AND ALL SUBSURFACE CONDITIONS AND CONFORMATION. ANY RELIANCE CONTRACTOR PLACES ON THE INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS, IS DONE SO AT ITS OWN RISK AND EXPENSE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY EXCAVATION.

| SURVEY DATA | STATIONING | MATERIAL | ENGINEERING DATA | | ENVIRONMENTAL DATA | |
|-------------|------------|----------|---------------------|----------------|--------------------------------|--------------------------------|
| | | | REFERENCE DRAWING | CLASS LOCATION | INTERSECTION/UTILITY CROSSINGS | INTERSECTION/UTILITY CROSSINGS |
| | 1800+00 | | 21040-440-PMW-00035 | Class III | | |
| | 1800+00 | | 21040-440-PMW-00037 | Class III | | |
| | 1800+00 | | 21040-440-PMW-00038 | Class III | | |

| BILL OF MATERIALS | | | | MISCELLANEOUS MATERIALS | | | | TYPICAL DRAWINGS | | | | GENERAL INFORMATION | | | |
|-------------------|------|-----|--------------------------------------------------------------------------------|-------------------------|-----|------------------------|---------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|
| ITEM NO. | QTY | UOM | DESCRIPTION | QTY | UOM | DESCRIPTION | DWG/FIELD BOOK NO. | TITLE | 1 | 2 | 3 | 4 | 5 | 6 | |
| 4 | 480 | FT | 36" O.D. x 0.750 W.T. API 5L X70, FIBL2, CSAW, 14-16 MILS FBE & 24-30 MILS ARO | 0 | EA | SET ON WEIGHTS | 21040-510-TYP-20001 | CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1 | 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 GPT, 6081 FEET, VERTICAL DATUM: MDD 88. | |
| 5 | 6440 | FT | 36" O.D. x 0.750 W.T. API 5L X70, FIBL2, CSAW, 14-16 MILS FBE | 0 | EA | CP TEST STATION TYPE 1 | 21040-510-TYP-20002 | CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2 | | | | | | | |
| | | | | 0 | EA | CP TEST STATION TYPE 2 | 21040-510-TYP-20028 | TYPICAL OPEN CUT / BORE | | | | | | | |
| | | | | 1 | EA | AERIAL MARKERS | 21040-510-TYP-20029 | CONTINUOUS CONCRETE COATING STANDARD FOR 36"/30" PIPELINE | | | | | | | |
| | | | | 0 | EA | ANODE BED DEEP WELL | 21040-510-TYP-20112 | AERIAL MARKER INSTALLATION DETAIL | | | | | | | |

| FITTINGS SUMMARY | | | | CONTINUOUS CONCRETE COATING | | | | PIPE COATING DATA | | | | | | |
|------------------|-----|-----|---------------------------|-----------------------------|-----|-------------|---------------------|-------------------|-----|-------------------------------|---|----------------------------------------------------------------------------------------------------|---|--|
| ITEM NO. | QTY | UOM | DESCRIPTION | QTY | UOM | DESCRIPTION | ITEM NO. | QTY | UOM | DESCRIPTION | 1 | 2 | 3 | |
| 2 | EA | | 80' 3R HORIZONTAL FITTING | | | | 21040-510-TYP-20113 | 1 | EA | INTERNAL COATING (YES/NO): NO | 1 | INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 21040-510-FW-00001. | | |
| | | | | | | | 21040-510-TYP-20114 | 2 | EA | | 2 | SEE AERIAL DRAWING PACKAGE FOR ANODE BED DEEP WELL. | | |

| LEGEND | | | |
|----------------|----------------|-------------------|------------------------------|
| PIPERLAY ROUTE | PERMANENT SIGN | TEMPORARY SIGNAGE | ADDITIONAL TEMPORARY SIGNAGE |
| PIPERLAY ROUTE | PERMANENT SIGN | TEMPORARY SIGNAGE | ADDITIONAL TEMPORARY SIGNAGE |
| PIPERLAY ROUTE | PERMANENT SIGN | TEMPORARY SIGNAGE | ADDITIONAL TEMPORARY SIGNAGE |

| REVISIONS | | | | APPROVALS | | | |
|-----------|----------------------------------------|------------|--------|-----------|--------|----|------------------------------|
| NO. | DESCRIPTION | DATE | REV BY | CHK BY | APP BY | MB | CONSTRUCTION PERMIT NO. |
| 1 | IFC (UPDATE ENV. RE-ROUTES, FOOTPRINT) | 2016-04-08 | MB | MU | RG | RG | MAINTENANCE OPERATION REGION |
| 0 | ISSUED FOR CONSTRUCTION | 2015-12-15 | MB | MU | RG | RG | MIN. TEST PRESSURE 1816 PSF |
| | | | | | | | DESIGN PRESSURE 1440 PSF |

FLORIDA SOUTHEAST CONNECTION

 FLORIDA SOUTHEAST CONNECTION PROJECT

 STA. 1800+00 TO 1850+00

 DISCIPLINE: 03

FLORIDA SOUTHEAST CONNECTION

 ALIGNMENT SHEET

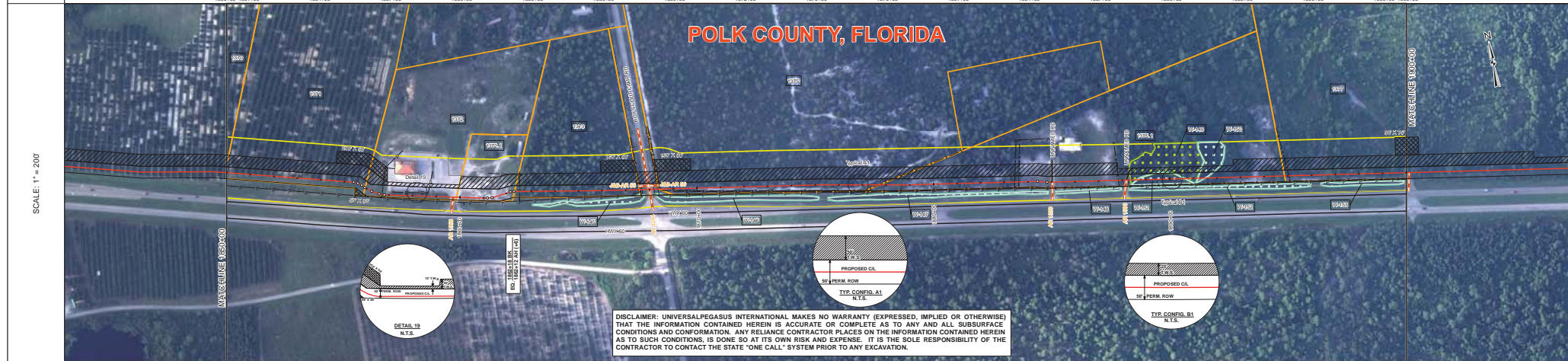
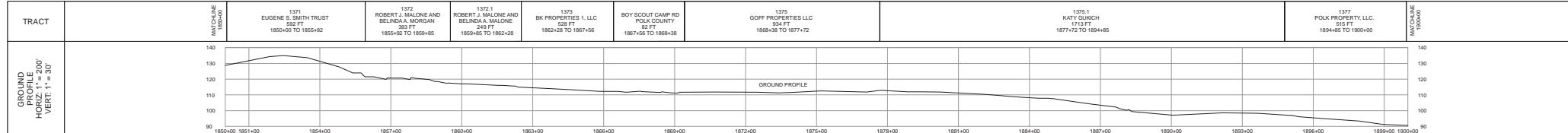
 POLK COUNTY, FLORIDA

 SCALE: 1" = 200'

 21040-510-ALS-00041

 REV. 1

 SHEET 41



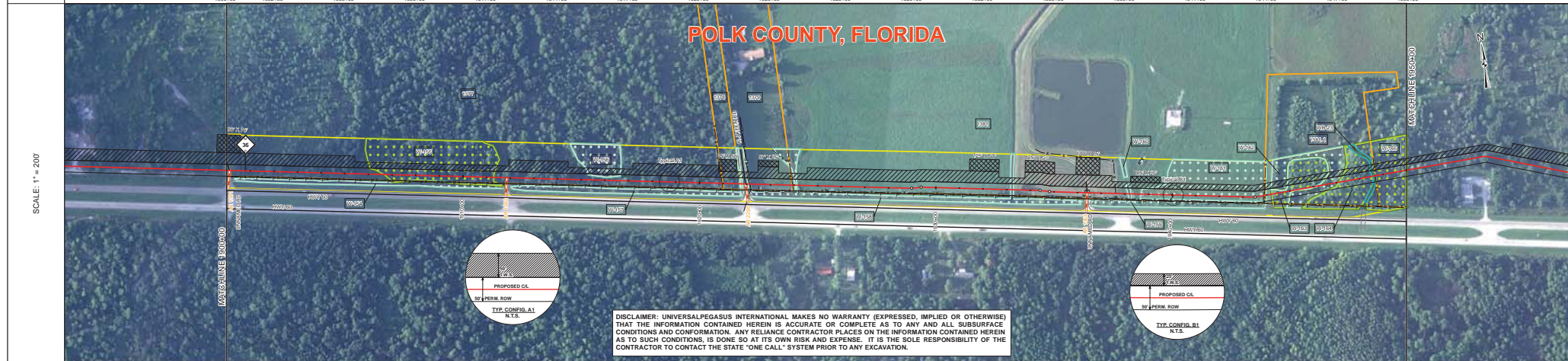
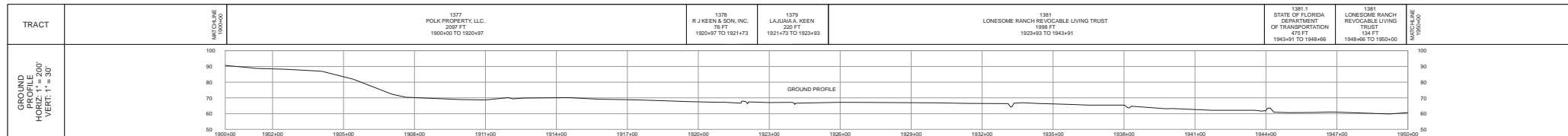
| SURVEY DATA | | STATIONING | | MATERIAL | | STATIONS | | ENVIRONMENTAL DATA | |
|-------------------|--|-------------------|--|-------------------|--|-------------------|--|--------------------|--|
| MATCHLINE 1850+00 | | MATCHLINE 1850+00 | | MATCHLINE 1850+00 | | MATCHLINE 1850+00 | | MATCHLINE 1850+00 | |
| MATCHLINE 1900+00 | | MATCHLINE 1900+00 | | MATCHLINE 1900+00 | | MATCHLINE 1900+00 | | MATCHLINE 1900+00 | |

| BILL OF MATERIALS | | | MISCELLANEOUS MATERIALS | | | TYPICAL DRAWINGS | | | GENERAL INFORMATION | | | |
|----------------------------------------------------------|---------|-------------------------------------------------------------------------------|----------------------------------------------------------|-----|------------------|------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|
| ITEM NO. | QTY | DESCRIPTION | ITEM NO. | QTY | DESCRIPTION | ITEM NO. | QTY | DESCRIPTION | ITEM NO. | QTY | DESCRIPTION | |
| 1 | 240 FT | 36" O.D. x 0.750" WT. API 5L X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO | 1 | EA | SET ON WEIGHTS | 21040-510-TYP-2001 | 1 | CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1 | 1 | 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. | 1 | THE BOUNDARIES OF ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE DESIGNATED WORK AREA. |
| 2 | 1670 FT | 30" O.D. x 0.625" WT. API 5L X70, PSL2, DSAW, 14-16 MILS FBE | 2 | EA | PIPELINE MARKERS | 21040-510-TYP-2002 | 1 | CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2 | 2 | THE REQUIRED STATE ONE CALL NOTIFICATION IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR. | 2 | THE CONTRACTOR SHALL ACCESS THE WORK AREA USING ONLY PUBLIC ROADS AND APPROVED ACCESS ROADS. |
| 3 | 3000 FT | 36" O.D. x 0.750" WT. API 5L X70, PSL2, DSAW, 14-16 MILS FBE | 3 | EA | WARNING SIGNS | 21040-510-TYP-2003 | 1 | CP TEST STATION TYPE 1 | 3 | ADDITIONAL WARNING SIGNS MAY BE REQUIRED AS DICTATED BY CONSTRUCTION CONTRACT. | 3 | MAP PROJECTION: NAD 1983 HARN STATE PLANE FLORIDA, EAST TIPS 0001 FEET, VERTICAL DATUM: NAVD 83. |
| FITTINGS SUMMARY | | | CONTINUOUS CONCRETE COATING | | | SPECIAL NOTES | | | | | | |
| ITEM NO. | QTY | DESCRIPTION | ITEM NO. | QTY | DESCRIPTION | 1. INDUCTION BEND QUANTITIES ALONG WITH THEIR DESCRIPTIONS ARE LOCATED ON DRAWING 1405-055-SW-00001. | | | 2. A - SEE AER. DRAWING PACKAGE FOR ANODE BED DEEP WELL. | | | |
| PIPE ASSEMBLIES | | | PIPE COATING DATA | | | PIPELINE MARKER DETAIL | | | PIPELINE MARKER ASSEMBLY | | | |
| QTY | UCM | DESCRIPTION | ITEM NO. | QTY | DESCRIPTION | TYPICAL PIPELINE MARKER ASSEMBLY | | | PIPELINE MARKER "WARNING" DETAIL | | | |
| PIPE COATINGS: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO | | | PIPE COATINGS: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO | | | 21040-510-TYP-2017 | | | 21040-510-TYP-2018 | | | |
| SOUTH WELD COATING: 2 PART EPOXY | | | INTERNAL COATING (YES/NO): NO | | | 21040-510-TYP-2019 | | | 21040-510-TYP-2020 | | | |

| REVISIONS | | APPROVALS | |
|---------------|----------------------------------------|------------|-------------------|
| NO. | DESCRIPTION | DATE | REV. BY / CHK. BY |
| 1 | IFC UPDATE ENV. REV. ROUTES, FOOTPRINT | 2016-04-08 | MB / MJ |
| 0 | ISSUED FOR CONSTRUCTION | 2015-12-15 | MB / MJ |
| APPROVAL | | COMPANY | |
| ENVIRONMENTAL | | LAND | |
| | | | |

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

SCALE: 1" = 200' 21040-510-ALS-00042 REV. 1



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| SURVEY DATA | STATIONING | MATERIAL |
|-------------------|--------------------|-------------------|
| MATCHLINE 1900+00 | 1900+00 TO 1950+00 | MATCHLINE 1900+00 |
| MATCHLINE 1900+00 | 1900+00 TO 1950+00 | MATCHLINE 1900+00 |

Stations: 1900+00, 1905+00, 1910+00, 1915+00, 1920+00, 1925+00, 1930+00, 1935+00, 1940+00, 1945+00, 1950+00

Materials: 1900+00, 1905+00, 1910+00, 1915+00, 1920+00, 1925+00, 1930+00, 1935+00, 1940+00, 1945+00, 1950+00

| BILL OF MATERIALS | | | MISCELLANEOUS MATERIALS | | | TYPICAL DRAWINGS | | | GENERAL INFORMATION | | | REVISIONS | | | APPROVALS | | | | | | |
|-------------------|------|-------------|-----------------------------|-----------------|---------------------------------------------------------------------------------|------------------|-----------------|-------------|---------------------|----------------------|--------------------|-------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|--------|--------|----------|----|------------------------------|
| ITEM NO. | QTY | UNIT | RECN NUMBER | MATERIAL NUMBER | DESCRIPTION | QTY | UOM | RECN NUMBER | MATERIAL NUMBER | DESCRIPTION | DWG/FIELD BOOK NO. | TITLE | NO. | DESCRIPTION | DATE | REV | CHK BY | APP BY | DRAWN BY | MB | PERMIT NO. |
| 4 | 60 | FT | | | 36" O.D. x 0.750" WT., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE & 24-30 MILS ARO | | | | | SET ON WEIGHTS | 21040-510-TYP-2001 | CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1 | 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. | 2016-04-08 | MB | MJ | RG | MJ | RG | MAINTENANCE OPERATION REGION |
| 5 | 6940 | FT | | | 36" O.D. x 0.625" WT., API 5L, X70, PSL2, DSAW, 14-16 MILS FBE | | | | | WARNING SIGNS | 21040-510-TYP-2002 | CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2 | 2 | THE BOUNDARIES OF ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE DESIGNATED WORK AREA. | 2015-12-15 | MB | MJ | RG | MJ | RG | MM. TEST PRESSURE 1816 PSF |
| FITTINGS SUMMARY | | | CONTINUOUS CONCRETE COATING | | | SPECIAL NOTES | | | REVISIONS | | | APPROVALS | | | | | | | | | |
| ITEM NO. | QTY | UOM | RECN NUMBER | MATERIAL NUMBER | DESCRIPTION | QTY | UOM | RECN NUMBER | MATERIAL NUMBER | DESCRIPTION | 21040-510-TYP-2012 | CONTINUOUS CONCRETE COATING STANDARD FOR 36" 30" PIPELINE | 3 | THE REQUIRED STATE ONE CALL NOTIFICATION IS THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR. | 2016-04-08 | MB | MJ | RG | MJ | RG | MM. TEST PRESSURE 1816 PSF |
| PIPE ASSEMBLIES | | | PIPE COATING DATA | | | SPECIAL NOTES | | | REVISIONS | | | APPROVALS | | | | | | | | | |
| QTY | UOM | DESCRIPTION | | QTY | UOM | RECN NUMBER | MATERIAL NUMBER | DESCRIPTION | 21040-510-TYP-2013 | AERIAL MARKER DETAIL | 21040-510-TYP-2014 | TYPICAL SADDLE BAG WEIGHTS | 4 | ADDITIONAL WARNING SIGNS MAY BE REQUIRED AS DICTATED BY CONSTRUCTION CONDITIONS AND LOCAL REGULATIONS. | 2015-12-15 | MB | MJ | RG | MJ | RG | DESIGN PRESSURE 1440 PSF |

LEGEND

- PRELIM ROUTE
- FENCE
- PHONE LINE
- UTILITY LINE
- ROAD
- RAILROAD
- POWER POLE
- WATER WELL
- HOUSING
- INDUSTRIAL
- SEWER
- WATER MAIN
- SEWER MAIN
- WATER METER
- WATER VALVE
- WATER TAP
- WATER SERVICE
- WATER METER
- WATER VALVE
- WATER TAP
- WATER SERVICE

REVISIONS

| NO. | DESCRIPTION | DATE | REV | CHK BY | APP BY |
|-----|--------------------------------------|------------|-----|--------|--------|
| 1 | IFC UPDATE ENV. RE ROUTES FOOT-PRINT | 2016-04-08 | MB | MJ | RG |
| 2 | ISSUED FOR CONSTRUCTION | 2015-12-15 | MB | MJ | RG |

APPROVALS

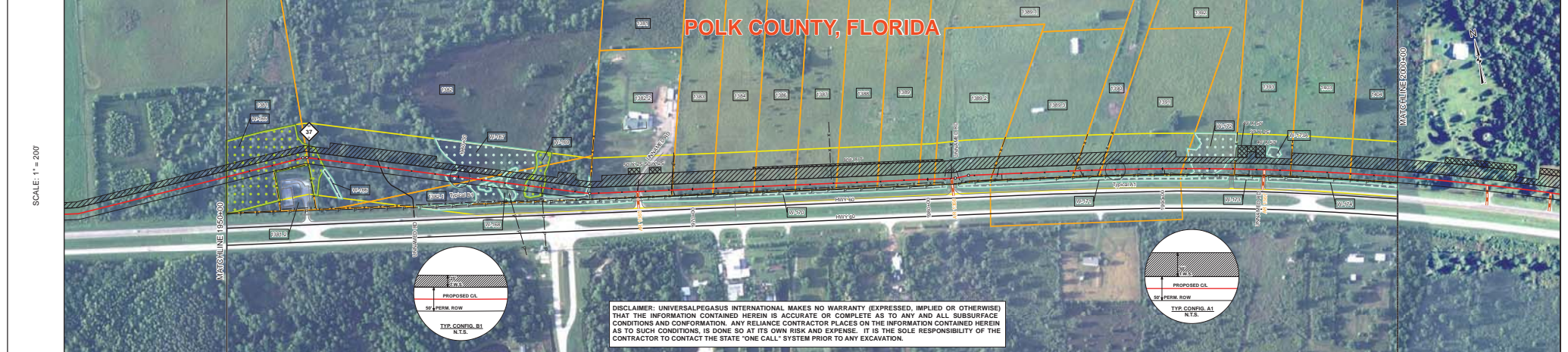
| NO. | DESCRIPTION | DATE | REV | CHK BY | APP BY |
|-----|-------------|------|-----|--------|--------|
| 1 | APPROVAL | | | | |
| 2 | COMPANY | | | | |

UNIVERSALPEGASUS INTERNATIONAL
A Subsidiary of ManpowerGroup

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

SCALE: 1" = 200' 21040-510-ALS-00043 REV. 1

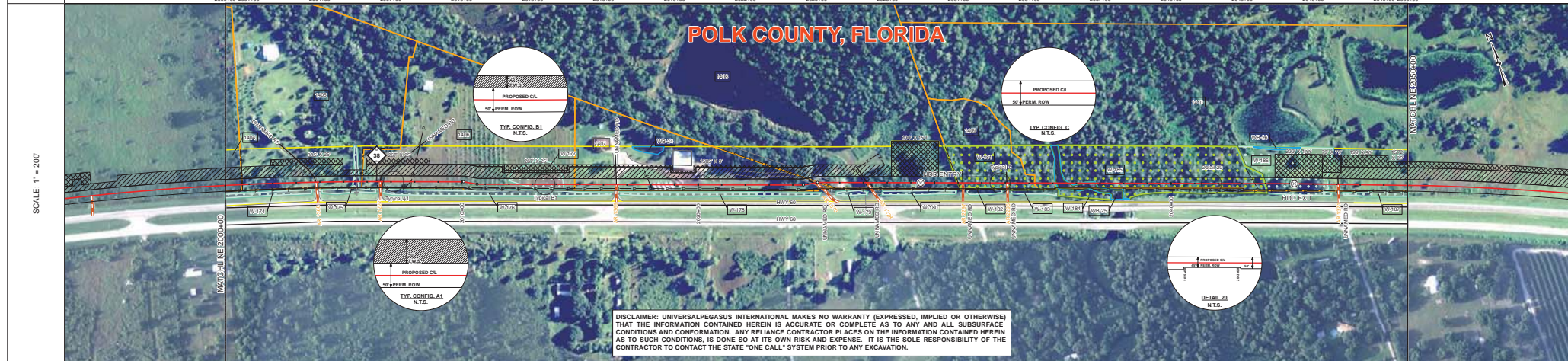
| TRACT | 1381 | 1382 | 1382.1 | 1382.2 | 1383 | 1384 | 1386 | 1387 | 1388 | 1389 | 1389.1 | 1390 | 1391 | 1392 | 1393 | 1403 | 1404 | | |
|-------|----------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------|----------------------------------------------|
| | LONGENE RANCH REVOCABLE LIVING TRUST 353 FT 1950-00 TO 1953-00 | LONGENE RANCH REVOCABLE LIVING TRUST 730 FT 1953-00 TO 1954-00 | LONGENE RANCH REVOCABLE LIVING TRUST 470 FT 1954-00 TO 1955-00 | THOMAS SPIKER 500 FT 1955-00 TO 1959-00 | CHAMAN DOMA AND GRILLMAN DOMA 175 FT 1959-00 TO 1970-00 | ROWLEE R. NEPAL 175 FT 1970-00 TO 1972-00 | CHOU KEEYANN CHHAN AND JAN PHET 175 FT 1972-00 TO 1974-00 | SUNNY SUNNARA AND KUNHIVELY SUNDARA AND KUNHIVELY SOMANITHI 175 FT 1974-00 TO 1974-00 | SIXA R. RATHARANI AND VILAPHONE RATHARANI 175 FT 1974-00 TO 1977-00 | MRAPHANA RATANAVONG AND CHENOWE RATANAVONG 175 FT 1977-00 TO 1979-00 | LONGENE RANCH REVOCABLE LIVING TRUST 348 FT 1979-00 TO 1980-00 | POLK COUNTY 348 FT 1980-00 TO 1982-00 | KIM M. PERSICCHETTI AND JOAN PERSICCHETTI 348 FT 1982-00 TO 1986-00 | POLK COUNTY 113 FT 1986-00 TO 1987-00 | NORMAN R. BOSS TRUST 348 FT 1987-00 TO 1990-00 | REYMUÑO GOMEZ AND MARIBEL SEGARRA NIÑERO 223 FT 1990-00 TO 1993-00 | FRANCISCO ARREDONDO AND RUBI G. ARREDONDO 223 FT 1993-00 TO 1995-00 | JREM LLC 300 FT 1995-00 TO 1997-00 | YVON GEORGES 300 FT 1997-00 TO 2000-00 |



| SURVEY DATA | | STATIONING | | MATERIAL | |
|--------------------|-------------------|------------|---------|------------|----------------------|
| MATCHLINE 1950+00 | MATCHLINE 2000+00 | 1950+00 | 2000+00 | 314.7' CCC | 5.90' SPP 11.5 CC |
| ENVIRONMENTAL DATA | | STATIONS | | | |
| ENVIRONMENTAL DATA | | STATIONS | | | |
| ENVIRONMENTAL DATA | | STATIONS | | | |
| ENVIRONMENTAL DATA | | STATIONS | | | |

| BILL OF MATERIALS | | MISCELLANEOUS MATERIALS | | TYPICAL DRAWINGS | | GENERAL INFORMATION | | LEGEND | | REVISIONS | | APPROVALS | | | | | | | |
|-------------------|------|-------------------------|--------------|------------------|--------------------------------------------------------------|---------------------|-----|--------------|-----------------|---------------|-----|--------------------------------------|------------|---------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------|----------|----------|------------------------------|
| ITEM NO. | QTY | UOM | REYN. NUMBER | MATERIAL NUMBER | DESCRIPTION | QTY | UOM | REYN. NUMBER | MATERIAL NUMBER | DESCRIPTION | NO. | DESCRIPTION | DATE | REV. BY | CHK. BY | APP. BY | DRAWN BY | MB | CONSTRUCTION PERMIT NO. |
| 1 | 5000 | FT | | | 30" O.D. x 0.625" WT. API 5L X70, PSL2, DSAW, 14-16 MILS FBE | | | | | | 1 | IFC UPDATE ENV. RE. ROUTES FOOTPRINT | 2016-04-08 | MB | MJ | RG | | MJ | MAINTENANCE OPERATION REGION |
| | | | | | | | | | | ENVIRONMENTAL | | | | LAND | | | | | |
| | | | | | | | | | | APPROVAL | | COMPANY | | | | | | | |
| | | | | | | | | | | | | | | UNIVERSALPEGASUS INTERNATIONAL A Subsidiary of Manatee Health Services | | FLORIDA SOUTHEAST CONNECTION EST. 1950-00 TO 2000+00 STA. 1950+00 TO 2000+00 DISCIPLINE: 03 | | | |
| | | | | | | | | | | | | | | 0 100 200 300 400 500 600 700 800 1 INCH = 200 FT | | SCALE: 1" = 200' 21040-510-ALS-00044 REV. 1 | | SHEET 44 | |

| TRACT | 1408 YVON GEORGES 70 FT 2000-00 TO 2000-70 | 1405 CHERYL K. BULL 50 FT 2000-70 TO 2005-77 | 1406 J & K GROWERS, LLC 900 FT 2005-77 TO 2014-77 | 1407 KEITH E. HYATT AND MYRT 1300 FT 2014-77 TO 2025-09 | 1408 POLK COUNTY 500 FT 2025-09 TO 2030-09 | 1409 FLORIDA DEPARTMENT OF TRANSPORTATION 324 FT 2030-09 TO 2034-23 | 1410 BRUCE NEWELL TRUST AND MARILYN S. NEWELL TRUST 1577 FT 2034-23 TO 2050-00 |
|-------|-----------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|-------|-----------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|



| SURVEY DATA | STATIONING | MATCHLINE 2000+00 2000+00 TO 2000+00 RT 2000+00 TO 2000+00 LT 2000+70 TO 2000+70 2000+70 TO 2005+77 2005+77 TO 2014+77 2014+77 TO 2025+09 2025+09 TO 2030+09 2030+09 TO 2034+23 2034+23 TO 2050+00 |
|--------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | MATERIAL | 12-000 SBW 11.6 CC 1322 12-000 SBW 11.6 CC 119K 5000 10.5 CC 302 1178 1587 10-000 SBW 10.5 CC 398 |
| ENGINEERING DATA | REFERENCE DRAWING | 21040-510-TYP-2001 21040-510-TYP-2002 21040-510-TYP-2003 21040-510-TYP-2012 21040-510-TYP-2014 21040-510-TYP-2016 21040-510-TYP-2018 21040-510-TYP-2017 21040-510-TYP-2018 |
| | CLASS LOCATION | Class II 2019+22 Class I 21040-505-HDW-12010 |
| ENVIRONMENTAL DATA | STATIONS | 2000+00 2000+70 2005+77 2014+77 2025+09 2030+09 2034+23 2050+00 |
| | PERMANENT EROSION CONTROL | EROSION CONTROL CODE PULK BEVERER CODE TOPSOIL SALVAGE THREATENED AND ENDANGERED SPECIES THREAT CONSTRAINT CONSTRAINT 1 CONSTRAINT 2 CONSTRAINT 3 |

| BILL OF MATERIALS | | MISCELLANEOUS MATERIALS | | TYPICAL DRAWINGS | | GENERAL INFORMATION | |
|-------------------|---------|-------------------------|-------------------------------------------------------------------------------|----------------------|------------------------|---------------------|-------------------------------------------------------------------------|
| ITEM NO. | QTY UOM | RECN MATERIAL NUMBER | DESCRIPTION | RECN MATERIAL NUMBER | DESCRIPTION | DWG/FIELD BOOK NO. | TITLE |
| 1 | 1875 FT | | 36" O.D. x 0.520" WT. API 5L X70, PSL2, DRAW, 14-16 MILS FBE | | SET ON WEIGHTS | 21040-510-TYP-2001 | CATHODIC PROTECTION STD. SINGLE POINT TEST STATION, TYPE 1 |
| 2 | 60 FT | | 36" O.D. x 0.520" WT. API 5L X70, PSL2, DRAW, 14-16 MILS FBE & 24-30 MILS ARO | | PIPELINE MARKERS | 21040-510-TYP-2002 | CATHODIC PROTECTION STD. FOREIGN PIPELINE CROSSING TEST STATION, TYPE 2 |
| 3 | 1587 FT | | 36" O.D. x 0.700" WT. API 5L X70, PSL2, DRAW, 14-16 MILS FBE & 24-30 MILS ARO | | WARNING SIGNS | 21040-510-TYP-2003 | TYPICAL OPEN CUT / BORE |
| 4 | 1442 FT | | 36" O.D. x 0.625" WT. API 5L X70, PSL2, DRAW, 14-16 MILS FBE | | CP TEST STATION TYPE 1 | 21040-510-TYP-2012 | CONTINUOUS CONCRETE COATING STANDARD FOR 36"/30" PIPELINE |
| | | | | | CP TEST STATION TYPE 2 | 21040-510-TYP-2014 | WARNING SIGN DETAIL |
| | | | | | AERIAL MARKERS | 21040-510-TYP-2016 | AERIAL MARKER INSTALLATION DETAIL |
| | | | | | ANODE BED DEEP WELL | 21040-510-TYP-2018 | AERIAL MARKER DETAIL |
| | | | | | | 21040-510-TYP-2017 | TYPICAL PIPELINE-MARKER ASSEMBLY |
| | | | | | | 21040-510-TYP-2018 | PIPELINE MARKER "WARNING" DETAIL |

FITTINGS SUMMARY

| ITEM NO. | QTY | UOM | RECN MATERIAL NUMBER | DESCRIPTION |
|----------|-----|-----|----------------------|------------------------|
| 1 | 2 | EA | | 8" 3R VERTICAL FITTING |

PIPE COATING DATA

| QTY | UOM | DESCRIPTION |
|-----|-----|---------------------------------------------------------|
| | | PIPE COATING: 14 MIL MINIMUM FBE AND 24 MIL MINIMUM ARO |
| | | SURF WELD COATING: 2 PART EPOXY |
| | | INTERNAL COATING (YES/NO): NO |

LEGEND

- PERMANENT EROSION CONTROL
- ROADWAY RECONSTRUCTION
- ENVIRONMENTAL TEMPORARY PROTECTION
- NON-FORMATED WETLAND
- FORMATED WETLAND
- WATERBODY
- PARCEL NUMBER
- SECTION NUMBER
- SECTION LETTER
- SECTION AREA
- SECTION PERCENT
- SECTION BEARING
- SECTION DISTANCE
- SECTION BEARING
- SECTION DISTANCE
- SECTION BEARING
- SECTION DISTANCE

REVISIONS

| NO. | DESCRIPTION | DATE | REV BY | CHK BY | APP BY |
|-----|-------------------------------------|------------|--------|--------|--------|
| 1 | IFC UPDATE ENV. RE ROUTES FOOTPRINT | 2016-04-08 | MB | MJ | RG |
| 2 | ISSUED FOR CONSTRUCTION | 2015-12-15 | MB | MJ | RG |

APPROVALS

| NO. | DESCRIPTION | DATE | REV BY | CHK BY | APP BY |
|-----|-------------|------|--------|--------|--------|
| | | | | | |

1 INCH = 200 FT

FLORIDA SOUTHEAST CONNECTION PROJECT
 FLORIDA SOUTHEAST CONNECTION
 ALIGNMENT SHEET
 POLK COUNTY, FLORIDA
 STA. 2000+00 TO 2050+00
 DISCIPLINE: 03
 SCALE: 1" = 200'
 21040-510-ALS-00045
 REV. 1
 SHEET 45