

RESOLUTION NO. 2023 - 109

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR HIS DESIGNEE, TO EXECUTE CHANGE ORDER #01 TO MASTER CONTRACT NO. 22-MCA-GHU-17262 WITH G&H UNDERGROUND CONSTRUCTION, INC. UNDER BID NO. 23-07; CDBG-DR PROJECT – S. HOLMES BLVD DRAINAGE IMPROVEMENT PROJECT- THE LAKES FOR AN AMOUNT NOT TO EXCEED \$336,330.22 TO COMPLETE THE PROJECT.

RECITALS

WHEREAS, on December 12, 2022, the County entered into contract with G&H Underground Construction, Inc. through Bid No. 23-07; CDBG-DR Project – S. Holmes Blvd Drainage Improvement Project- The Lakes; and

WHEREAS, the additional scope and time being requested is to add the Florida East Coast Railroad Track portion of the project at a total cost of \$336,330.22; and

WHEREAS, the FLDEO recommended incorporating the Florida East Coast Railroad scope through a change order to help expedite the project and leverage existing resources already allocated to the Lakes portion of the project; and

WHEREAS, the SJC Purchasing Policy requires BOCC approval of all Change Orders of 25% or more for contracts initially approved by the BOCC; and

WHEREAS, the County finds that issuing the Change Order serves a public purpose; and

WHEREAS, the contract will be funded through the Community Development Block Grant – Disaster Recovery (CDBG-DR) awarded funds to Florida Department of Economic Opportunity Agreement #H2338. The Change Order is contingent upon the DEO approval of a time extension amending Sub-Recipient Grant Agreement # H2338 through the completion of this project.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, as follows:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.

Section 2. Upon Board approval, the County Administrator, or designee is further authorized to execute Change Order No: 01, in substantially the same form and format as the attached draft for the completion of the project, for a lump sum amount of \$336,330.22.

Section 3. To the extent that there are typographical and/or administrative errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, on this 4th day of April, 2023.

BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA

By: [Signature]  
Christian Whitehurst, Chair

ATTEST: Brandon J. Patty,  
Clerk of Circuit Court & Comptroller

By: [Signature]  
Deputy Clerk

Rendition Date APR 04 2023





# St. Johns County Board of County Commissioners

Purchasing Division

### CONTRACT CHANGE ORDER NO: 01

BID NO: 23-07; Construction of CDBG-DR Project – S. Holmes Blvd Drainage Improvement Project- The Lakes

Master Contract No: 22-MCA-GHU-17262

Original Contract Date: December 12, 2022

**CONTRACTOR:** G&H Underground Construction, Inc.  
2315 Dobbs Road  
St. Augustine, FL 32086

**DATE:** March 3, 2023

**PROJECT:** Addition of Florida East Coast Railroad Replacement Culvert Scope

#### SCOPE OF WORK:

Change Order #01 is hereby issued to increase the value of Master Contract No: 22-MCA-GHU-17262 by three hundred thirty-six thousand three hundred thirty dollars and twenty-two cents (\$336,330.22) for the additional scope needed to complete the Florida East Coast Railroad Track portion of the project as proposed in the Contractor’s proposals dated February 13, 2023, attached hereto. The authorized tasks shall generally include installing two (2) runs of 48” RCP across South Holmes Blvd at the Florida East Coast Railroad Tracks. The DEO (Florida Department of Economic Opportunity) recommended incorporating the Florida East Coast Railroad scope through a change order to help expedite the project and leverage existing resources already allocated to the Lakes portion of the CDBG-DR project. The Change Order is contingent upon the DEO approval of a time extension amending Sub-Recipient Grant Agreement # H2338 through the completion of this project.

#### PAYMENT TERMS:

Original Not-to-Exceed amount .....	\$ 918,254.64
Net Change by previously authorized Change Orders .....	\$ 0.00
The Not-to-Exceed amount prior to this Change Order .....	\$ 918,254.64
The Not-to-Exceed amount will be increased in the amount of .....	\$ 336,330.22
The revised Not-to-Exceed amount including this Change Order is now .....	\$1,254,584.86

#### SCHEDULE:

The Contract Time will be increased as provided below:

Original NTP: 12/30/22 + 120 consecutive calendar days = 4/29/23 Substantial Completion + 30 consecutive calendar days = 5/29/23 Final Completion + 60 consecutive calendar days (CO# 01) = 6/28/23 (Revised) Substantial Completion and 7/28/23 (Revised) Final Completion.

Acceptance of this Change Order shall constitute a modification to Master Contract No: 22-MCA-GHU-17262 and shall be performed in accordance with all of the same terms and conditions of the Master Contract. The adjustment, if any, to the Master Contract shall constitute a full and final settlement of any and all claims arising out of or related to the Changes set forth herein, including claims of impact and delay costs. This Contract Change Order is not valid until signed by the County and the Contractor.

#### G&H Underground Construction, Inc.

#### St. Johns County, Florida

Representative  
Signature: \_\_\_\_\_

Representative  
Signature: \_\_\_\_\_

Printed Name  
& Title: \_\_\_\_\_

Printed Name  
& Title: Leigh A. Daniels, CPPB  
Purchasing Manager

Date: \_\_\_\_\_

Date: \_\_\_\_\_

All terms and conditions of the above-referenced Master Contract dated December 12, 2022 remain in full force and effect. All invoices must reference Master Contract 22-MCA-GHU-17262. By approving this change order, the SJC Dept is certifying the availability of funds for this. Do not approve/process this change order until funds are available in the appropriate line item.

**G&H Underground Construction, Inc.**

**2315 Dobbs Rd**

**St. Augustine, Florida 32086**

**Office: (904) 829-8199**

February 13, 2023

Valerie Pacetti

St Johns County Purchasing

Project: Bid 23-07 South Holmes – The Lakes Culvert addition Change Order # 1

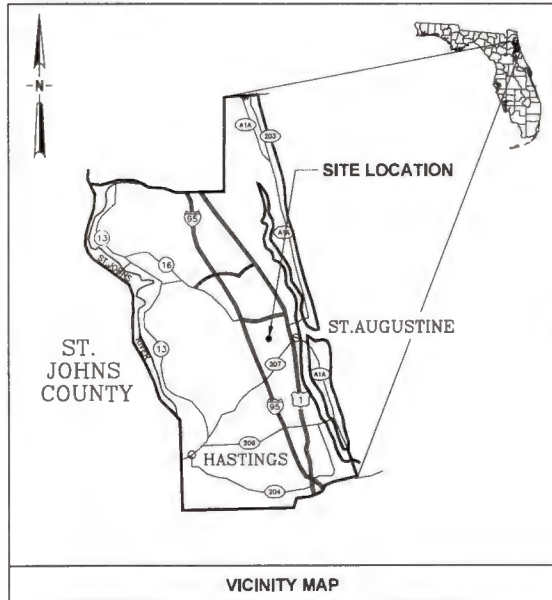
As requested by St. Johns County and the Department of Economic Opportunity we are providing you with an estimate to install 2 runs of 48" RCP across South Holmes Blvd at the Florida East Coast railroad tracks. This estimate includes the following work below. If this work is approved G&H will need an additional 60 days to complete this work.

<b>FDOT ITEM NUMBER</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL ITEM PRICE</b>
	<b>GENERAL</b>				
102-1	MAINTENANCE OF TRAFFIC	LS	1	\$18,883.31	\$18,883.31
104-1	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION	LS	1	\$3,000.00	\$3,000.00
	BOND	LS	1	\$5,716.26	\$5,716.26
	<b>FLORIDA EAST COAST RAILWAY DITCH IMPROVEMENTS</b>				
110-1-1	CLEARING AND GRUBBING	LS	1.0	\$6,600.00	\$6,600.00
	DEMOLISH EXISTING 33" X 49" ERCP	LS	1	\$2,850.00	\$2,850.00
285-711	(12" LIMEROCK, LBR 100)	SY	166	\$72.47	\$12,030.02
327-70-2	MILLING EXISTING ASPHALT PAVEMENT (3.5" DEPTH)	SY	175	\$42.00	\$7,350.00
334-1-13	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	SY	166	\$85.00	\$14,110.00
400-153	GROUT FILL- existing 16" Steel Line	SY	125	\$36.30	\$4,537.50
430-175- 148	PIPE CULVERT, ROUND (48")	LF	176	\$474.25	\$83,468.00
430-982- 141	MITERED END SECTION (48")	EA	4	\$9,197.57	\$36,790.26
524-1-2	CONCRETE DITCH PAVEMENT (4" THK)	SY	248	\$187.10	\$46,400.80
530-3-4	RIPRAP RUBBLE DITCH LINING	SY	273	\$118.29	\$32,293.17
570-1-2	PERFORMANCE TURF (SOD)	SY	1,500	\$1,000.00	\$15,000.00
	PAVEMENT MARKINGS	LS	1	\$2,500.00	\$2,500.00
	COORDINATION WITH FLOIRDA EAST COAST RAILWAY	LS	1	\$25,000.00	\$25,000.00
	GALVANIZED STEEL PIPE GRATE W/ BOLT WITH BOLT FRAME	LS	1	\$19,801.70	\$19,801.70
		<b>GRAND TOTAL =</b>		<b>\$336,330.22</b>	

*Thank you,  
Wade Gibby*

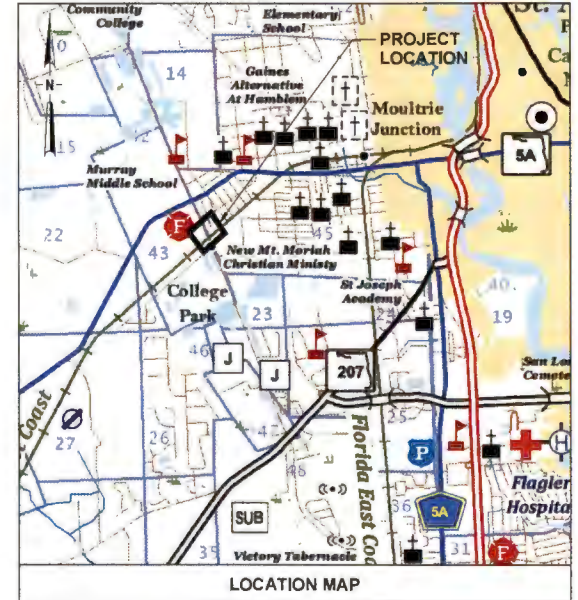
# SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS

## ST. JOHNS COUNTY, FLORIDA



**PREPARED FOR:**  
**ST. JOHNS COUNTY**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION  
 2750 INDUSTRY CENTER ROAD  
 ST. AUGUSTINE, FLORIDA 32084

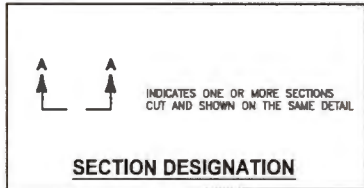
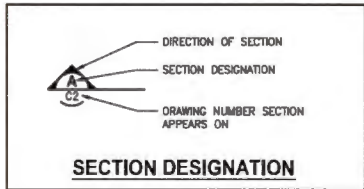
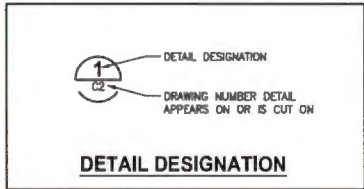
**PREPARED BY:**  
**JonesEdmunds**  
CERTIFICATE OF AUTHORIZATION #1941  
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821



**PROJECT NO: 19270-181-03**

**AUGUST 2022**

DRAWING INDEX		
INDEX	DRAWING	DESCRIPTION
GENERAL		
1	G1	COVER
2	G2	DRAWING INDEX, ABBREVIATIONS, AND LEGEND
3	G3	GENERAL NOTES
4	G4	FLORIDA EAST COAST RAILWAY GENERAL NOTES
5	G5	KEY MAP
6	G6	EXISTING CONDITIONS PLAN
7	G7	EXISTING CONDITIONS PLAN
CIVIL		
8	C1	TYPICAL SECTIONS
9	C2	GRADING AND DRAINAGE PLAN
10	C3	CROSS SECTIONS
11	C4	CROSS SECTIONS
12	C5	PIPE PROFILE
13	C6	ST. JOHNS COUNTY STANDARD DETAIL
WETLAND IMPACTS		
14	W1	WETLAND IMPACTS
EROSION CONTROL		
15	EC1	STORMWATER POLLUTION PREVENTION NOTES
16	EC2	STORMWATER POLLUTION PREVENTION PLAN
17	EC3	EROSION CONTROL DETAILS
SIGNING AND PAVEMENT MARKING		
18	SM1	SIGNING AND PAVEMENT MARKING PLAN
TRAFFIC CONTROL		
19	CP1	TRAFFIC CONTROL PLAN
20	CP2	TRAFFIC CONTROL PLAN
21	CP3	TRAFFIC CONTROL PLAN
22	CP4	TRAFFIC CONTROL PLAN



UTILITY CONTACTS		
OWNER	TYPE	CONTACT INFO
FPL	ELECTRIC	LARRY SPEAR (904) 824-7830
ATT/BELLSOUTH	TELEPHONE	P.K. PATEL (904) 899-4976
COMCAST	CABLE	LJAM McKENNA (850) 445-9189 KURT KREBS (904) 759-6472
COMCAST	FIBERCORE	DAVID McELROY (602) 318-5808
CITY OF ST. AUGUSTINE	WATER/SEWER	FRITZ BERTOCH (904) 825-1040
ST. JOHNS COUNTY UTILITIES	WATER/SEWER	LARRY MILLER (904) 209-2624
TECO	GAS	JERROD CARTER (904) 443-7355 JAMES FERRIS (904) 736-4884
FLORIDA EAST COAST RAILWAY	RAILROAD	DANIEL FETAHOVIC (904) 279-3186

**ABBREVIATIONS**

- AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAYS AND TRANSPORTATION OFFICIALS
- ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS
- AVE AVENUE
- BLVD BOULEVARD
- C/L CENTERLINE
- CONC CONCRETE
- DBI DITCH BOTTOM INLET
- DBL DOUBLE
- DI DUCTILE IRON
- DIA DIAMETER
- DIP DUCTILE IRON PIPE
- DR ORVE
- ø SUPERELEVATION
- E EAST, EASTING
- EG EXISTING GRADE ELEVATION
- EL ELBOW
- ELB ELLIPTICAL REINFORCED CONCRETE PIPE
- FDEP FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
- FDOT FLORIDA DEPARTMENT OF TRANSPORTATION
- FM FORCE MAIN
- FT FEET
- GV GATE VALVE
- H HORIZONTAL
- HDD HORIZONTAL DIRECTIONAL DRILL
- HDPE HIGH DENSITY POLYETHYLENE
- HW HEADWALL
- I INSIDE DIAMETER
- IE INVERT ELEVATION
- IN INCHES
- N NORTH, NORTHING
- L LEFT, LENGTH
- LBR LIMEROCK BEARING RATIO
- LF LINEAR FEET
- LOC LIMITS OF CONSTRUCTION
- LT LEFT
- MAX MAXIMUM
- MES MITERED END SECTION
- MIN MINIMUM
- MISC MISCELLANEOUS
- MJ MECHANICAL JOINT
- N NORTH, NORTHING
- N/A NOT APPLICABLE
- NAD NORTH AMERICAN DATUM
- NAVD NORTH AMERICAN VERTICAL DATUM
- NPT NATIONAL PIPE THREAD
- NW NORTHWEST
- NWHL NORMAL WATER LEVEL
- OC ON CENTERED
- OFF OFFSET
- OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
- PGL PROFILE GRADE LINE
- PI POINT OF INTERSECTION
- PRE PERMANENT ROADWAY EASEMENT
- PT POINT OF TANGENCY
- PVC POLYVINYL CHLORIDE
- PVI POINT OF VERTICAL INTERSECTION
- R RADIUS, RIGHT
- R/W RIGHT-OF-WAY
- RCP REINFORCED CONCRETE PIPE
- RD ROAD
- REQ'D REQUIRED
- RPM REFLECTIVE PAVEMENT MARKER
- RT RIGHT
- S SOUTH
- SAN SANITARY
- SCH SCHEDULE
- SI STANDARD INDEX
- SJRWMD ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
- SPEC SPECIFICATION
- SPI STANDARD PLAN INDEX
- SR STATE ROAD
- STA STATION
- SW SOUTHWEST
- TAN TANGENCY
- TCE TEMPORARY CONSTRUCTION EASEMENT
- THK THICK
- THRD THREADED
- TLS TRAVEL LANE SLOPE
- TYP TYPICAL
- V VERTICAL
- VCP VITRIFIED CLAY PIPE
- W/ WITH
- W WEST
- WM WATER MAIN

**LEGEND**

- MATCHLINE
- RIGHT-OF-WAY BOUNDARY
- DRAINAGE EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- PROPERTY LINES
- LOC LIMITS OF CONSTRUCTION
- SF SILT FENCE
- TB TURBIDITY BARRIER
- WL WETLAND LINE
- ===== REINFORCED CONCRETE PIPE (RCP)
- DITCH BOTTOM INLET
- MITERED END SECTION
- HEADWALL
- D STRUCTURE/PIPE DESIGNATION
- ▨ LIMITS OF FULL DEPTH CONSTRUCTION
- ▨ LIMITS OF MILLING AND RESURFACING
- ▨ CONCRETE
- ▨ WETLAND IMPACT
- ▨ RIPRAP
- ┆ PROPOSED SIGN
- G3 DRAWING DESIGNATION
- 11.56 SPOT ELEVATION

DESIGNED	M. O'BRIEN			
DRAWN	M. O'BRIEN			
CHECKED	B. MYHRE			
LTR.	DATE	REVISIONS	BY	APPROV.



**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
ST. JOHNS COUNTY, FLORIDA

**DRAWING INDEX, ABBREVIATIONS, AND LEGEND**

APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-161-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	2	G2

100% SUBMITTAL

**GENERAL NOTES**

1. TOPOGRAPHIC SURVEY PROVIDED BY GEOMATICS CORP., DATED AUGUST 3, 2020. SUBSURFACE UTILITY DATA (VHM DISCS) PROVIDED BY GRUPP INC., DATED DECEMBER 2020. ADDITIONAL UTILITY DATA WAS SUPPLEMENTED WITH AS-BUILT PLANS AND GIS DATA PROVIDED BY SJCDU AND COSA.
2. VERTICAL DATUM IS BASED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD 1988).
3. HORIZONTAL DATUM IS BASED ON FLORIDA STATE PLANE EAST, NAD83.
4. ALL STATIONING AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION BASELINE.
5. MAG NAILS AND DISCS AND IRON PIPES WERE INSTALLED, AS SHOWN ON THE DRAWINGS, TO PROVIDE HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PROVIDED SURVEY INFORMATION TO HIS/HER SATISFACTION. CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPER VERTICAL AND HORIZONTAL ALIGNMENT OF CONSTRUCTED FACILITIES, PIPELINES, AND FINISHED GRADE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RESTORING PROPERTY CORNERS AND LAND MARKERS WHICH MAY BE DISTURBED BY CONSTRUCTION. ALL STAKING SHALL BE PERFORMED BY A FLORIDA LICENSED SURVEYOR.
6. CONTRACTOR SHALL RETAIN ON THE WORK SITE COPIES OF ANY PERMITS REQUIRED FOR CONSTRUCTION.
7. ALTHOUGH MEASUREMENTS MAY BE SHOWN ON THE DRAWINGS, CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ALL MATERIAL QUANTITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL PROVIDE AN "AS-BUILT" SURVEY AT THE COMPLETION OF THE PROJECT. THE AS-BUILTS SHALL BE PREPARED BY A FLORIDA LICENSED SURVEYOR AND SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ENGINEER.
9. CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED DURING WORK.
10. FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED IMPROVEMENTS TO AVOID OBSTACLES, AS REQUIRED. CONTRACTOR SHALL CONSTRUCT THE PROPOSED FACILITIES TO THE REQUIRED DEVIATION AS APPROVED BY THE ENGINEER WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.
11. NO DISTURBANCE SHALL BE ALLOWED OUTSIDE OF THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS UNLESS APPROVED BY THE ENGINEER, OR SPECIFICALLY NOTED ON THE PLANS.
12. ALL REFERENCED FDOT STANDARD PLANS CAN BE FOUND AT [HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS/2020/DEFAULT.SHTM](https://www.fdot.gov/design/STANDARDPLANS/2020/DEFAULT.SHTM)
13. IT IS THE RESPONSIBILITY OF CONTRACTOR TO BECOME FAMILIAR WITH THE OSHA EXCAVATION SAFETY STANDARDS AND TO ABIDE BY THEM AS COVERED UNDER THE FLORIDA TRENCH SAFETY ACT (LAWS OF FLORIDA 90-96) EFFECTIVE OCTOBER 1, 1990.
14. EXISTING DRAINAGE STRUCTURES AND CULVERTS WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
15. ALL AREAS INSIDE AND OUTSIDE THE PROJECT LIMITS, WHICH ARE DISTURBED AS A RESULT OF THE PROJECT CONSTRUCTION, SHALL BE RESTORED TO ORIGINAL OR DESIGN GRADE AS APPLICABLE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL REPLACE ALL EXISTING PAVING, STABILIZED EARTH, PIPING, DITCHING, FENCES, SIGNS AND OTHER IMPROVEMENTS WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION, AS A RESULT OF CONSTRUCTION, OR AS DIRECTED BY THE ENGINEER WITHOUT INCREASE IN THE CONTRACT PRICE OR TIME.
16. CONTRACTOR SHALL SOD ALL DISTURBED AREAS. SOD VARIETY SHALL MATCH EXISTING TYPE AND BE CERTIFIED WEED FREE. ALL SOD ON SLOPES GREATER THAN 3:1 SHALL BE STAKED. CONTRACTOR SHALL FERTILIZE AND THOROUGHLY WATER ALL SOD AT TIME OF PLANTING AND UNTIL MATERIAL IS ESTABLISHED.
17. CONTRACTOR SHALL CLEAR AND GRUB CONSTRUCTION AREAS BEFORE ANY NEW MATERIAL IS PLACED. ALL AREAS TO RECEIVE ANY NEW MATERIAL SHALL BE STRIPPED OF ALL VEGETATION AND TOPSOIL PRIOR TO PLACING CLEAN FILL OR OTHER NEW MATERIAL.
18. CONTRACTOR SHALL CLEAR ALL EXCAVATION AND FILL AREAS AND REMOVE ALL UNSATISFACTORY MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLAN 120-002. UNSUITABLE AND EXCESS MATERIAL FROM WITHIN THE PROJECT SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SUITABILITY OF ANY SOIL TO BE USED AS EMBANKMENT MATERIAL IN ACCORDANCE WITH FDOT STANDARD PLAN 120-001. SUITABLE MATERIAL FROM WITHIN THE PROJECT SHALL BE USED FOR FILL AS SHOWN ON CROSS SECTIONS.
20. CONTRACTOR SHALL REMOVE AND REPLACE ALL NEW CONCRETE DAMAGED BY VANDALISM OR ANY OTHER CAUSE PRIOR TO ACCEPTANCE OF THE WORK.
21. ALTHOUGH EXISTING UTILITIES WERE INVESTIGATED DURING DESIGN, THERE IS NO GUARANTEE THAT ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES WERE DISCOVERED AND SHOWN ON THE PLANS. CONTRACTOR SHALL FIELD LOCATE AND VERIFY EXISTING UTILITIES, (SIZE, MATERIAL OF CONSTRUCTION, ELEVATION, ETC.) ESPECIALLY AT CONNECTING POINTS. PRIOR TO SHOP DRAWING PREPARATION AND SUBMITTAL, CONTRACTOR SHALL INCLUDE CONSIDERATION OF SUCH UTILITIES IN PLANNING AND PRIOR TO EXECUTION OF WORK. CONTRACTOR SHALL INCLUDE FIELD MEASUREMENTS ON SHOP DRAWINGS.
22. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN BASED ON INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS BUT ARE NOT PURPORTED TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC WHICH ARE WITHIN THE PROJECT AREA. CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE DRAWINGS) AFFECTING THE PROPOSED WORK.
23. CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH "SUNSHINE STATE ONE CALL OF FLORIDA, INC." (1-800-432-4770) AT LEAST TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, STRUCTURES, AND PROPERTY ON AND ADJACENT TO THE SITE CAUSED BY CONSTRUCTION ACTIVITIES.
25. CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH INDIVIDUAL COMPANIES CONCERNING RELOCATION OF UTILITIES AND ANY ADDITIONAL RELOCATIONS RESULTING FROM CONFLICTS NOT DELINEATED ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, RELOCATING, AND BYPASSING OF ALL PUBLIC AND PRIVATELY OWNED UTILITIES PER THE BID DOCUMENTS.
26. CONTRACTOR IS RESPONSIBLE FOR BRACING, SHORING, OR PROVIDING OTHER MEANS NECESSARY TO PROTECT AND SUPPORT EXISTING UTILITIES EXPOSED OR UNEXPOSED DURING CONSTRUCTION. IN ORDER TO COMPLETE WORK THE CONTRACTOR SHALL Dewater, HAND EXCAVATE, SHORE-UP TRENCHES, STABILIZE UTILITIES INCLUDING UTILITY POLES, AND PROVIDE SHEET PILING AT NO ADDITIONAL COST TO THE OWNER.
27. CONTRACTOR SHALL HAND EXCAVATE WHEN CONSTRUCTION IS WITHIN 2 FEET OF EXISTING UTILITIES.
28. CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE TO FDOT STANDARD PLANS 102 SERIES AND THE TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS ON HOLMES BLVD TO ADVISE THE PUBLIC ONE WEEK BEFORE CONSTRUCTION BEGINS AND WHEN LANE CLOSURES AND DETOURS ARE EXPECTED. ALL SIGNING, BARRICADES, LIGHTING, AND FLAGGERS SHALL BE INCLUDED IN THE LUMP SUM COST.
29. THE CONTRACTOR SHALL HAVE A CERTIFIED FDOT TEMPORARY TRAFFIC CONTROL SPECIALIST ON-CALL 24 HOURS A DAY AND ON-SITE DURING WORK HOURS TO MANAGE THE MOT.
30. THE CONTRACTOR SHALL SAWCUT ALL EXISTING PAVEMENT TO PROVIDE A STABLE CONSTRUCTION JOINT FOR WIDENING AND RECONSTRUCTION.
31. EXISTING FEATURES ARE SHOWN LIGHT-LINED AND/OR SCREENED AND PROPOSED FEATURES ARE SHOWN HEAVY-LINED.
32. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III.
33. ALL PIPE JOINTS AND PIPE PLUGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD PLAN 430-001.
34. PIPE TRENCH AND BACKFILL REQUIREMENTS SHALL BE IN ACCORDANCE WITH DETAIL D-200 OF THE ST. JOHNS COUNTY STANDARDS AND DETAIL MANUAL. COMPACTED LIMEROCK DENSITY SHALL BE NOT LESS THAN 98% OF THE MAXIMUM DENSITY OBTAINED USING THE MODIFIED PROCTOR METHOD.
35. ADJUST WATER AND SANITARY FORCE MAIN VALVES TO GRADE. THERE IS NO SEPARATE PAYMENT FOR THIS WORK, IT IS INCIDENTAL TO PAVING AND GRADING OPERATIONS.
36. ALL MANHOLES SHALL BE CONCRETE IN ACCORDANCE WITH FDOT STANDARD PLANS 425-001 AND 425-010.
37. ALL MITERED END SECTIONS SERVICING CROSS DRAINS SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLAN 430-021 AND ALL MITERED END SECTIONS SERVICING SIDE DRAINS SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLAN 430-022. ALL MITERED END SECTIONS SHALL HAVE A 4:1 SLOPE.
38. ALL HEADWALLS SHALL BE CONCRETE IN ACCORDANCE WITH FDOT STANDARD PLAN 430-030.
39. ALL DITCH BOTTOM INLETS SHALL BE CONCRETE WITH STEEL GRATES IN ACCORDANCE WITH FDOT STANDARD PLANS 425-052 AND 425-053.
40. CONTRACTOR SHALL COMPLY WITH ST. JOHNS COUNTY REGULATIONS FOR INSTALLATION AND INSPECTION OF ALL DRAINAGE STRUCTURES AND PIPES.
41. AFTER COMPLETION OF STORM SEWER PIPE INSTALLATION AND PRIOR TO PAVING THE CONTRACTOR SHALL INSPECT ALL STORM SEWER PIPES INSTALLED ON THIS PROJECT UTILIZING TELEVISION CAMERAS IN ACCORDANCE WITH ST. JOHNS COUNTY LAND DEVELOPMENT CODE AND FDOT SPECIFICATION SECTION 430-4.8. THE CONTRACTOR SHALL SUPPLY ALL SUCH VIDEO TAPES TO ST. JOHNS COUNTY. ANY INSTALLATIONS DETERMINED BY THE ENGINEER TO BE SUBSTANDARD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
42. ALL WORK FOR THIS PROJECT SHALL MEET OR EXCEED ST. JOHNS COUNTY STANDARDS AND SPECIFICATIONS. ANY CONSTRUCTION ACTIVITIES NOT COVERED BY ST. JOHNS COUNTY SPECIFICATIONS OR STANDARDS SHALL REFER TO THE FY 2019-20 FDOT STANDARD PLANS AND THE 2020 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
43. CONTRACTOR SHALL REMOVE LITTER AND MOW PER FDOT SPECIFICATION SECTION 107. LITTER REMOVAL SHALL BE AS NEEDED BUT NO LESS THAN ONCE PER MONTH OR AS DIRECTED BY THE ENGINEER. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE TRASH CONTAINER SUCH AS A DUMPSTER OR ROLL OFF. CONTRACTOR OR SUBCONTRACTORS SHALL NOT LITTER THE PROJECT AREA WITH PERSONAL TRASH. SUCH TRASH SHALL BE PICKED UP AND PROPERLY DISPOSED OF DAILY. NO TRASH SHALL BE PERMANENTLY DUMPED ON SITE.
44. THE CONTRACTOR SHALL MOW GRASSED AREAS WHEN THE GRASS IS GREATER THAN 6 INCHES IN HEIGHT OR ONCE PER MONTH UNTIL FINAL COMPLETION. THE ENGINEER MAY CHANGE FREQUENCY DEPENDING ON SITE CONDITIONS.
45. THE CONTRACTOR SHALL PROVIDE A FLORIDA CERTIFIED GEOTECHNICAL ENGINEERING FIRM FOR QUALITY CONTROL TESTING INCLUDING BUT NOT LIMITED TO: SUBGRADE AND BASE DENSITY, ASPHALT DENSITY, TEMPERATURE AND CORES, CONCRETE SLUMP, TEMPERATURE, AIR AND TEST CYLINDERS, LBR, PROCTORS, DRILL SHAFTS, ETC. THE CONTRACTOR SHALL NOTIFY THE COUNTY OF QUALITY CONTROL TESTING LOCATION AND TIME AT LEAST 1 BUSINESS DAY PRIOR. THE CONTRACTOR SHALL ALSO PROVIDE THE COUNTY A COPY OF ANY TEST RESULTS WITHIN 1 BUSINESS DAY OF RECEIPT.
46. THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL, DEMOLISHED MATERIALS, AND SOLID WASTE LEGALLY.
47. THE CONTRACTOR SHALL NOT USE THE RIGHT-OF-WAY TO STAGE EQUIPMENT OR STORE MATERIAL. THE CONTRACTOR MUST PROVIDE THEIR OWN STAGING AREA.
48. ST. JOHNS COUNTY SHALL APPROVE DETECTABLE WARNINGS PRIOR TO INSTALLATION BY THE CONTRACTOR.
49. PAVEMENT STRIPING SHALL BE PROVIDED IN ACCORDANCE WITH FDOT STANDARD PLAN 711-001.
50. REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH FDOT STANDARD PLAN 706-001.
51. BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH FDOT TRAFFIC ENGINEERING MANUAL.
52. ALL DIRECTIONAL ARROWS SHALL BE PLACED AS ONE SEGMENT.
53. ALL PAVEMENT MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC PER FDOT SPECIFICATION 711. IMMEDIATELY AFTER PAVING THE ROADWAY IT SHALL BE STRIPED WITH PAINTED PAVEMENT MARKINGS PER FDOT SPECIFICATION 710 BEFORE THE APPLICATION OF THERMOPLASTIC. THERMOPLASTIC SHALL ONLY BE APPLIED AFTER THE PAVED AREAS HAVE CURED FOR 14 DAYS.
54. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
55. ALL EXISTING AND PROPOSED SIGNS SHALL BE RESET TO MEET 8' CLEARANCE FROM THE EDGE OF TRAVEL WAY PER FDOT STANDARD PLAN 700-101.

SAVED: 3/24/2021 4:37 PM MCCULLOUGH Y:\19270-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\GD\DWSS\GENERAL\1927018103-003.DWG

100% SUBMITTAL

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE
DATE	
REVISIONS	
BY	
APPRO.	

**JonesEdmunds**  
CERTIFICATE OF AUTHORIZATION #184  
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
**ST. JOHNS COUNTY, FLORIDA**

**GENERAL NOTES**

APPROVED BY	PROJECT NO:	DATE
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	3	G3

### FLORIDA EAST COAST RAILWAY GENERAL NOTES

**GN-2:**

SCHEDULING RR SIGNAL DIG LOCATES (SDL) - PRIOR TO ENTERING INTO, OR WORKING WITHIN, ABOVE, BELOW, ADJACENT TO, OR WITHIN REACH OR POTENTIAL TO FOUL (EQUIPMENT WITH EXTENDABLE, OR FIXED BOOM LENGTHS THAT BY DISTANCE FROM THE ROW COULD ENTER INTO) THE RAILWAY'S RIGHT-OF-WAY, THE ROADWAY CONTRACTOR WILL NEED TO CONTACT FLORIDA SUNSHINE AT 1-800-432-4770 FOR UTILITY LOCATES. AS THE ROADWAY CONTRACTOR(S) WILL BE WORKING AROUND LIVE FIBER-OPTIC CABLES AT THIS LOCATION, THE RAILWAY'S SIGNAL CABLES ARE NOT LISTED WITH SUNSHINE AND REQUIRE A SEPARATE LOCATE. CALL 1-800-342-1131 EXT. 2377 AND SELECT OPTION 1 TO SCHEDULE A SIGNAL CABLE LOCATE.

SCHEDULING RR WATCHMAN/FLAGGER - PRIOR TO ENTERING INTO, OR WORKING WITHIN, ABOVE, BELOW, ADJACENT TO, OR WITHIN REACH OR POTENTIAL TO FOUL (EQUIPMENT WITH EXTENDABLE, OR FIXED BOOM LENGTHS THAT BY DISTANCE FROM THE ROW COULD ENTER INTO) THE RAILWAY'S RIGHT-OF-WAY, THE ROADWAY CONTRACTOR WILL NEED TO SCHEDULE A RR WATCHMAN/FLAGGER TO BE PRESENT. TO SCHEDULE A RR WATCHMAN/FLAGGER CALL 1-800-342-1131 EXT. 2377, AND SELECT OPTION 2 FOR A WATCHMAN. NOTE - IF EXCAVATION OF ANY TYPE IS BEING PERFORMED, A RR SIGNAL DIG LOCATE (SDL) MUST BE CALLED IN AND AN SDL NUMBER ASSIGNED IN ORDER FOR A RR WATCHMAN/FLAGGER TO BE SCHEDULED. THE WATCHMAN WILL HAVE TO BE SCHEDULED 72 HOURS IN ADVANCE OF THE START DATE FOR THE WORK. TO MAINTAIN A SAFE WORKING ENVIRONMENT, A WATCHMAN WILL HAVE TO BE PRESENT ANYTIME THE ROADWAY CONTRACTOR(S) ARE WORKING WITHIN THE RAILWAY'S RIGHT-OF-WAY. THE ROADWAY CONTRACTOR WILL NEED TO PROVIDE PROOF OF INSURANCE IN THE AMOUNTS REQUIRED BY THE FEC AT THE TIME OF CONSTRUCTION. ADDITIONALLY, THE USE OF PERSONAL PROTECTION EQUIPMENT (PPE) WILL BE REQUIRED BY ALL ROADWAY CONTRACTORS WORKING ON THE RAILWAY'S RIGHT-OF-WAY. PPE INCLUDES THE FOLLOWING ITEMS:

- ORANGE HARD HAT WITH REFLECTIVE BAND.
- SAFETY GLASSES WITH SIDE PROTECTION.
- ORANGE SAFETY VEST.
- STEEL TOED BOOTS WITH MINIMUM 6" CUFF AND NON-SLIP TREAD.
- HEARING PROTECTION AS NEEDED.

DUE TO THE UNKNOWN SCHEDULE OF THE ROADWAY AUTHORITY'S CONTRACTOR, IT IS NOT POSSIBLE TO ESTIMATE THE TIME A WATCHMAN WILL BE REQUIRED. WATCHMAN SERVICES ARE CHARGED ON A "PER DAY" RATE AND INVOICED DIRECTLY TO THE ROADWAY AUTHORITY AT THE COMPLETION OF THE PROJECT. AS INFORMATION, THE COST FOR A WATCHMAN IS APPROXIMATELY AS SHOWN IN THE BELOW CHART:

DAILY RATES	
THESE RATES ARE INCURRED FOR 0 - 10 HOURS. AFTER 10 HOURS, TIME WILL BE CHARGED IN ONE-HOUR INCREMENTS AT THE OVERTIME RATE.	
0-10 HOURS	OVERTIME RATE
\$1,200.00/WEEKDAY	\$180.00/HOUR
\$1,700.00/SATURDAY	\$255.00/HOUR
\$2,000.00/SUNDAY	\$300.00/HOUR
HOLIDAY RATES	
RAILROAD HOLIDAYS INCLUDE: NEW YEAR'S EVE, NEW YEAR'S DAY, PRESIDENT'S DAY, GOOD FRIDAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING, CHRISTMAS EVE AND CHRISTMAS DAY.	
0-10 HOURS	OVERTIME RATE
\$2,000.00/HOLIDAY	\$300.00/HOUR

THE ROADWAY AUTHORITY MUST ESTIMATE THE NUMBER OF DAYS A WATCHMAN WILL BE REQUIRED AND BUDGET FOR THIS COST.

**GN-3:**

PRIOR TO ANY WORK COMMENCEMENT OR SCHEDULING, ALL ROADWAY CONTRACTORS AND/OR SUBCONTRACTORS MUST HAVE SUBMITTED AND RECEIVED FEC WRITTEN APPROVAL OF THE NECESSARY INSURANCE REQUIREMENTS AS IDENTIFIED IN THE DOCUMENT ENTITLED: "FLORIDA EAST COAST RAILWAY - INSURANCE REQUIREMENTS". WHEN SUBMITTING YOUR CONTRACTOR OR SUBCONTRACTOR INSURANCE FOR REVIEW AND APPROVAL BY FEC RISK MANAGEMENT, PLEASE ENSURE THAT THE FOLLOWING IS INCLUDED:

1. INCLUDE THE ENTIRE INSURANCE POLICY (NOT A PORTION)
2. INCLUDE THE CERTIFICATES OF INSURANCE FOR EACH POLICY AS STATED IN THE ATTACHED FEC INSURANCE REQUIREMENTS.
3. INCLUDE ALL NECESSARY WAIVERS OF SUBROGATION FOR ANY POLICIES REQUIRING SUCH.
4. INCLUDE POLICY AND COI FOR THE REQUIRED RAILROAD PROTECTIVE LIABILITY (RPL) POLICY TO MEET THE LIMITS STATED IN THE ATTACHED FEC INSURANCE REQUIREMENTS.
5. THE RAILWAY IS PROPERLY NAMED AS "ADDITIONAL INSURED" AS FOLLOWS:
  - o FLORIDA EAST COAST RAILWAY, LLC.
  - o 7150 PHILIPS HIGHWAY
  - o JACKSONVILLE, FL 32256
  - o FEC PROJECT#: <INSERT FEC PROJECT NUMBER FOR APPLICABLE PROJECT>
6. ENSURE THAT ALL INSURANCE MEETS OR EXCEEDS THE LIMITS STATED IN THE ATTACHED FEC INSURANCE REQUIREMENTS DOCUMENT.

7. ENSURE THAT SUBMITTALS FOR INSURANCE APPROVALS PROMISE IN THE SUBJECT LINE THE PROPER RAILWAY'S MILEPOST, CROSSING INVENTORY NUMBER, FEC RAILWAY PROJECT NUMBER, AS WELL AS THE ROADWAY AGENCY PROJECT NUMBER AS APPLICABLE TO THE PROJECT THE SUBMITTAL IS INTENDED.

8. ENSURE THAT THE E-MAIL CLEARLY STATES THE LEGAL ENTITY NAME FOR THE CONTRACTOR OR SUB-CONTRACTOR, AND THE TASK WORK THAT SPECIFIC CONTRACTOR OR SUB-CONTRACTOR WILL BE PERFORMING WITHIN OR ADJACENT TO THE RAILWAY'S ROW AND PROPERTY.

9. PROVIDE A LIST OF ALL CONTRACTORS AND SUBCONTRACTORS THAT WILL BE WORKING WITHIN OR ADJACENT TO THE RAILWAY CORRIDOR AND PROPERTY, AND THE WORK THAT EACH CONTRACTOR OR SUBCONTRACTOR WILL BE PERFORMING FOR FEC TRACKING OF INSURANCE SUBMITTALS AND APPROVALS AS THEY ARE COMPLETED.

10. ENSURE THAT ALL CONTRACTORS OR SUB-CONTRACTORS THAT WILL BE WORKING WITHIN, ABOVE, BELOW, OR ADJACENT TO THE RAILWAY ROW AND PROPERTY, OR WOULD HAVE THE POTENTIAL OF WORKERS OR EQUIPMENT (WITH FIXED OR EXTENDABLE BOOM) TO FOUL OR ENTER INTO THE RAILWAY'S ROW AND PROPERTY HAVE HAD THEIR INSURANCE SUBMITTED AND APPROVED BY FEC RAILWAY PRIOR TO ANY WORK COMMENCING. FEC WILL NOT BE RESPONSIBLE FOR DELAYS IN WORK DUE TO THE DELAY IN SUBMITTING OR INSUFFICIENT TIME FOR FEC TO REVIEW ALL INSURANCE SUBMITTALS.

THE INSURANCE DOCUMENT SUBMITTAL SHOULD BE MAILED OR E-MAIL TO THE FOLLOWING FOR REVIEW BY FEC RISK MANAGEMENT:

IF BY MAIL DELIVERY:	IF BY ELECTRONIC SUBMITTAL:
DANIEL FETAHOVIC PUBLIC PROJECTS ENGINEER FLORIDA EAST COAST RAILWAY ENGINEERING DEPARTMENT 7150 PHILIPS HIGHWAY JACKSONVILLE, FL 32256	DANIEL.FETAHOVIC@FECRWY.COM
WITH DUPLICATE COPY TO: TERRY FRANK DIRECTOR OF ENGINEERING XORAIL, INC. 5011 GATE PARKWAY, BLDG. 100, STE. 400 JACKSONVILLE, FL 32256	WITH CC TO: FEC-PM@XORAIL.COM

NOTE - BE SURE THAT TRANSMITTAL AND COI CLEARLY INDICATE THE PROJECT IT IS BEING SUBMITTED FOR. SINCE FEC HAS NUMEROUS PROJECTS IN PROGRESS THROUGHOUT THEIR SYSTEM WITH MULTIPLE AGENCIES, THEIR CONTRACTORS AND SUBCONTRACTORS, IF THE SPECIFIC PROJECT IS NOT CLEARLY IDENTIFIED, YOUR INSURANCE SUBMITTAL AND COI WILL BE REJECTED UNTIL ALL INFORMATION STATED ABOVE IS PROVIDED IN A SINGLE SUBMITTAL.

**GN-4:**

THE FOLLOWING ITEMS WILL APPLY TO ALL WORK PERFORMED WITHIN RAILWAY PROPERTY:

- ALL MOVEMENTS OF EQUIPMENT WITHIN RAILWAY PROPERTY MUST BE COORDINATED WITH THE RAILWAY WATCHMAN.
- DURING TRAIN MOVEMENTS THROUGH THE PROJECT LOCATION, VEHICLES, EQUIPMENT, AND PERSONNEL WILL NOT BE ALLOWED TO OPERATE.
- ANY DAMAGE CAUSED BY THE ROADWAY WORK TO THE TRACK OR RAILWAY PROPERTY WILL REQUIRE REPAIR IMMEDIATELY UPON NOTIFICATION FROM THE RAILWAY OR THEIR DESIGNATED PERSONNEL OR CONTRACTOR. IF THE DAMAGE AFFECTS THE TRACK, TRACK STRUCTURE, RAILWAY FACILITIES, OR TRAIN OPERATIONS AS DETERMINED BY THE RAILWAY, THE REPAIRS WILL BE PERFORMED BY THE RAILWAY AT THE ROADWAY AUTHORITIES EXPENSE INCLUDING ALL ASSOCIATED COSTS OF DELAYS OF THE RAILWAY.

**GN-5:**

PRIMARY RAILWAY CONTACT INFORMATION:

DANIEL FETAHOVIC -PUBLIC PROJECTS ENGINEER  
 FLORIDA EAST COAST RAILWAY  
 7150 PHILIPS HIGHWAY  
 JACKSONVILLE, FLORIDA 32256  
 OFFICE: 904-279-3196  
 E-MAIL: DANIEL.FETAHOVIC@FECRWY.COM

WITH CC TO:

TERRY FRANK  
 XORAIL, INC.  
 5011 GATE PARKWAY, BLDG. 100, STE. 400  
 JACKSONVILLE, FL 32256  
 OFFICE: 904-899-5889  
 EMAIL: TFRANK@XORAIL.COM

**GN-14:**

DEWATERING AND/OR SOIL STABILIZATION SYSTEMS SHALL BE CONSIDERED FOR ALL PROJECTS THAT REQUIRE SUBGRADE OR EXCAVATION WORK WITHIN THE RAILWAY PROPERTY, OR WHEN SOIL CONDITIONS OR WATER TABLE EFFECTS ARE NOT MANAGEABLE BY STANDARD METHODS. THE RAILWAY, AT THEIR SOLE DISCRETION, HAS THE AUTHORITY TO REQUIRE DEWATERING AND/OR SOIL STABILIZATION SYSTEMS TO BE UTILIZED IF AT ANY TIME THE PROJECT WORK IT IS DEEMED NECESSARY, IN ORDER TO ENSURE THE SAFETY AND PROTECTION OF THE RAILWAY PROPERTY AND TRACK. PLEASE SEE FEC DOCUMENT: GENERAL SPECIFICATIONS FOR SUB-GRADE AND ABOVE GRADE UTILITY CROSSINGS OF RAILWAY'S RIGHT-OF-WAY, APPENDIX A AND APPENDIX B RELATED TO THESE REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT A DEWATERING AND SOIL STABILIZATION PLAN TO THE FLORIDA EAST COAST RAILWAY FOR REVIEW AND APPROVAL PRIOR TO STARTING CONSTRUCTION ACTIVITIES.

**GN-17:**

NO TRAFFIC LANE SHIFTS OF THE EXISTING ROADWAY SHALL BE ALLOWED WITHIN THE RAILWAY RIGHT-OF-WAY DURING THE CONSTRUCTION WITHOUT PRIOR AUTHORIZATION FROM THE RAILWAY'S SIGNAL DEPARTMENT PERSONNEL. THEREFORE, THE FOLLOWING NOTE IS TO BE ADDED TO THE PLANS, AND THE MAINTENANCE OF TRAFFIC PLANS SHALL REFLECT THIS REQUIREMENT.

THE ROADWAY AUTHORITY, OR DESIGNATED CONTRACTOR, SHALL NOT BE ALLOWED TO PERFORM TEMPORARY LANE CLOSURES, LANE SHIFTS, OR DETOUR ROUTES WITHIN THE RAILWAY RIGHT-OF-WAY WITHOUT PRIOR AUTHORIZATION FROM THE RAILWAY'S SIGNAL DEPARTMENT PERSONNEL. THE ROADWAY AUTHORITY WILL BE REQUIRED TO CONTACT THE FOLLOWING RAILWAY PERSONNEL TO COORDINATE THIS PHASE OF THE PROJECT.

BILL YOUNG - CHIEF ENGINEER SIGNALS AND COMMUNICATIONS (INTERIM)  
 FLORIDA EAST COAST RAILWAY  
 7150 PHILIPS HIGHWAY  
 JACKSONVILLE, FLORIDA 32256  
 OFFICE: 904-279-3182  
 MOBILE: 904-689-1199  
 E-MAIL: ANDY.FOWLER@FECRWY.COM

OR

FOR RAILWAY MILEPOST 0+0000' TO 281+4096'

RUSTY KOOK - SIGNAL SUPERVISOR NORTH END  
 FLORIDA EAST COAST RAILWAY  
 196 COMMERCIAL AVENUE  
 EAST PALATKA, FL 32131  
 MOBILE: 904-540-7209  
 E-MAIL: RUSTY.KOOK@FECRWY.COM

**GN-21:**

THE RAILWAY RESERVES THE RIGHT TO COMMENT /APPROVE THE ROADWAY AUTHORITY CONSTRUCTION PLANS AFFECTING THE RAILWAY PROPERTY OR FACILITIES ANY TIME PRIOR TO THE START OF CONSTRUCTION REGARDLESS IF PREVIOUS CONSTRUCTION PLAN APPROVAL HAS BEEN GRANTED.

THIS RESERVATION WILL BE INVOKED ONLY IF THE RAILWAY HAS EITHER BY INTERNAL POLICY OR MANDATE OF LAW REVISED ITS STANDARDS AS APPLICABLE TO THIS PROJECT. THE RAILWAY SHALL NOTIFY THE ROADWAY AUTHORITY OF CHANGES AS FAR AS POSSIBLE IN ADVANCE OF CONSTRUCTION.

THE ROADWAY AUTHORITY SHALL, PRIOR TO THE START OF CONSTRUCTION, VERIFY WITH THE RAILWAY IF ANY REVISIONS TO STANDARDS ARE APPLICABLE TO THIS PROJECT.

**JOB BRIEFINGS:**

THE ROADWAY CONTRACTOR SHALL CONTACT THE FLORIDA EAST COAST RAILWAY TRACK SUPERVISOR PRIOR TO ANY WORK WITHIN THE FLORIDA EAST COAST RAILWAY RIGHT-OF-WAY.

ITEMS THAT NEED TO BE ADDRESSED IN THE JOB BRIEFING INCLUDE:

- THE WHAT, WHERE, AND WHEN
- GN-4 AND GN-14
- NO PERSON OR EQUIPMENT AT ANY TIME WITHIN 4 FEET OF THE OUTSIDE OF THE RAIL (FIELD SIDE).
- NO PERSON, MATERIAL, EQUIPMENT, OR DEBRIS CAN FOUL THE TRACK

TRACK SUPERVISOR:  
 BILLY REEVES  
 ST. AUGUSTINE  
 (904) 689-1147  
 BILLY.REEVES@FECRWY.COM

1927018100-004-DWG  
 19270181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS/CAO/UNMS/GENERAL/1927018100-004-DWG  
 19270181-03 SOUTH HOLMES BOULEVARD DRAINAGE IMPROVEMENTS/CAO/UNMS/GENERAL/1927018100-004-DWG  
 1/2/2022 4:56 PM MCCULLOUGH  
 Y:\19270181-ST JOHN'S CO\PROJECTS\181-03 SOUTH HOLMES BOULEVARD DRAINAGE IMPROVEMENTS/CAO/UNMS/GENERAL/1927018100-004-DWG

DESIGNED	M O'BRIEN			
DRAWN	M O'BRIEN			
CHECKED	B MYHRE			
LTR	DATE	REVISIONS	BY	APPROV



**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS ST. JOHNS COUNTY, FLORIDA**

**FLORIDA EAST COAST RAILWAY GENERAL NOTES**

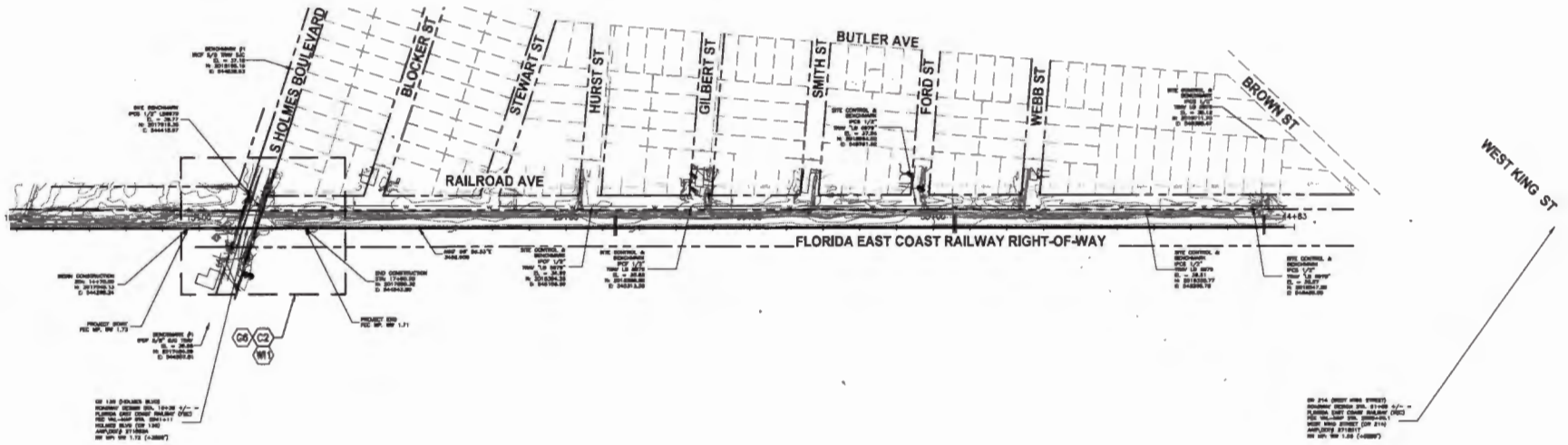
APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN P.E. # 73993	19270-181-03	AUG 2022
	INDEX NO:	DWG NO:
	4	C4

100% SUBMITTAL

PLOTTED: 9/28/2022 01:51 PM DREW MCCULLOUGH, CI



GRAPHIC SCALE  
0 75 150 300  
SCALE IN FEET



SAVED: 9/9/2022 8:18 PM AMCCULLOUGH Y:\19270-ST JOHN'S CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG'S\GENERAL\1927018103-G05.DWG  
 Y:\19270-ST JOHN'S CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG'S\GENERAL\1927018103-G05.DWG

100% SUBMITTAL

DESIGNED	M. O'BRIEN			
DRAWN	M. O'BRIEN			
CHECKED	B. MYHRE			
LTR.	DATE	REVISIONS	BY	APPROV.

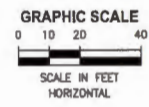
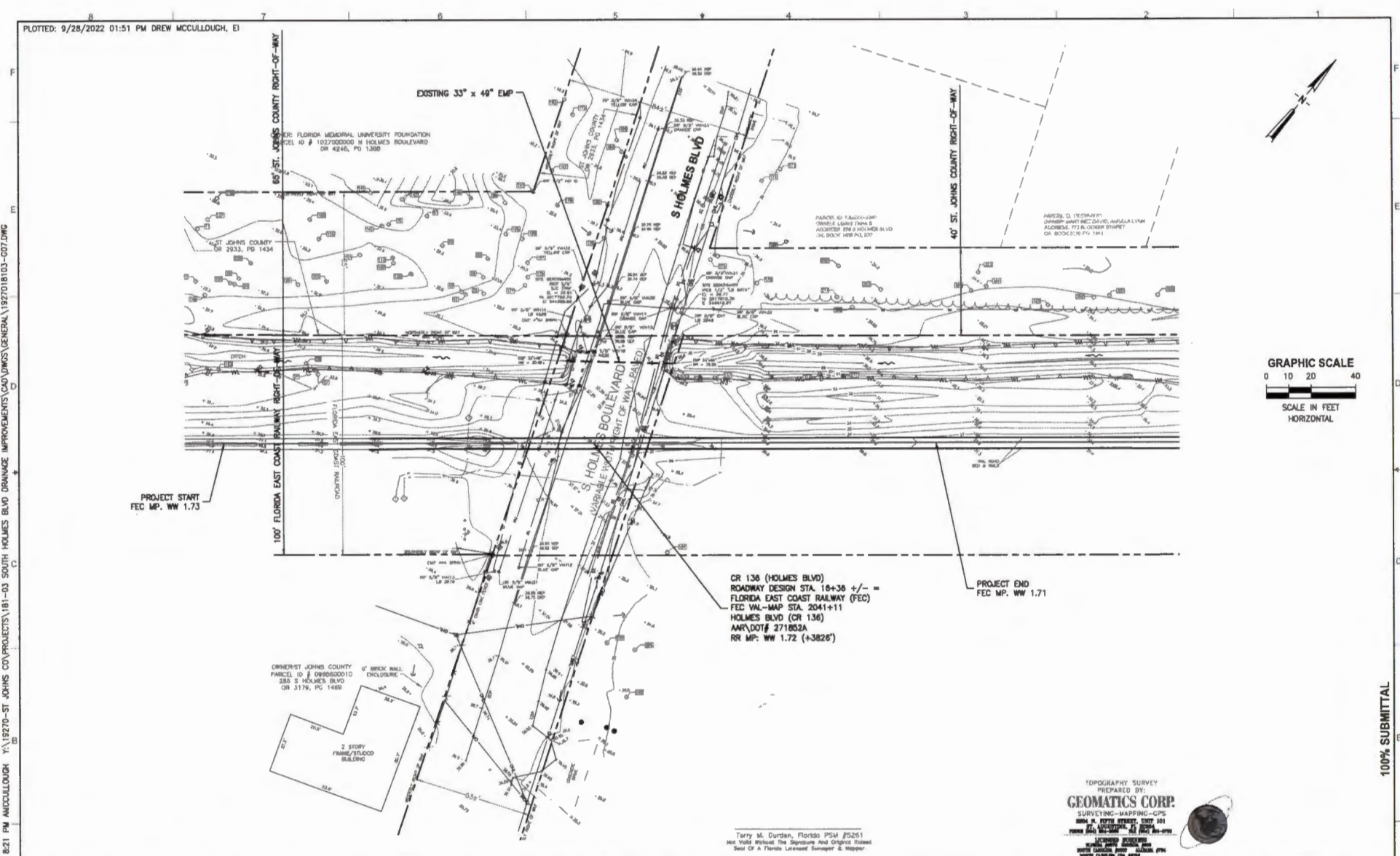


**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
ST. JOHN'S COUNTY, FLORIDA

KEY MAP

APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	5	G5





TOPOGRAPHY SURVEY  
PREPARED BY:  
**GEOMATICS CORP.**  
SURVEYING - MAPPING - GIS  
1004 N. FIVE SEVENTH STREET, SUITE 101  
POMONA, CA 92674  
TEL: 951-261-1111  
WWW.GEOMATICS-CORP.COM

Terry M. Durdan, Florida PSM #5251  
Not Valid Without The Signature And Original Seal  
Seal Of A Florida Licensed Surveyor & Mapper

SAVED: 8/9/2022 8:21 PM MCCULLOUGH Y:\19270-ST JOHNS CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG\GENERAL\1927018103-007.DWG

DATE	REVISIONS	BY	APPROV.

**JonesEdmunds**  
CERTIFICATE OF AUTHORIZATION #1841  
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
**ST. JOHNS COUNTY, FLORIDA**

**EXISTING CONDITIONS PLAN**

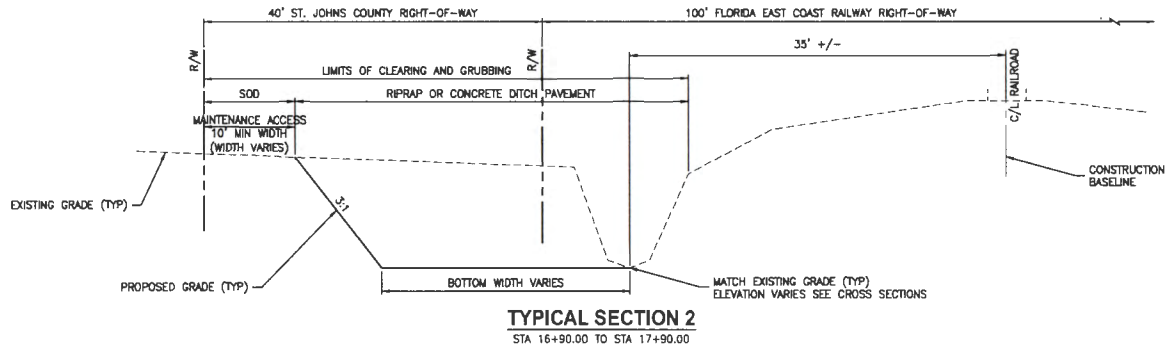
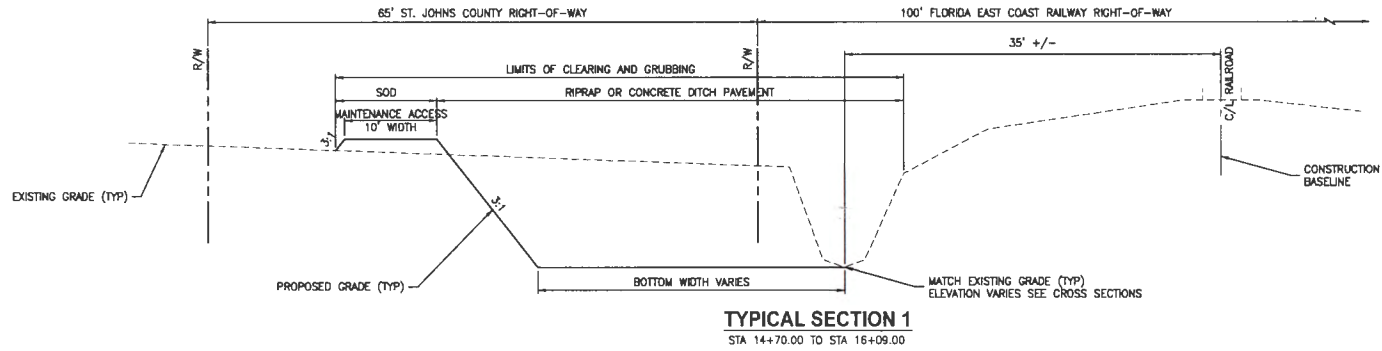
PROJECT NO: 19270-181-03	DATE: AUG 2022
INDEX NO: 6	DWG NO: C6

100% SUBMITTAL

PLOTTED: 9/28/2022 01:51 PM DREW MCCULLOUGH, EI



NOTE:  
TYPICAL SECTIONS ARE  
NOT DRAWN TO SCALE



S:\19270-181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWGS\CIVIL\1927018103-001.DWG

100% SUBMITTAL

NO.	DATE	REVISIONS	BY	APPROV.

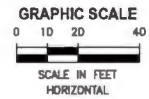
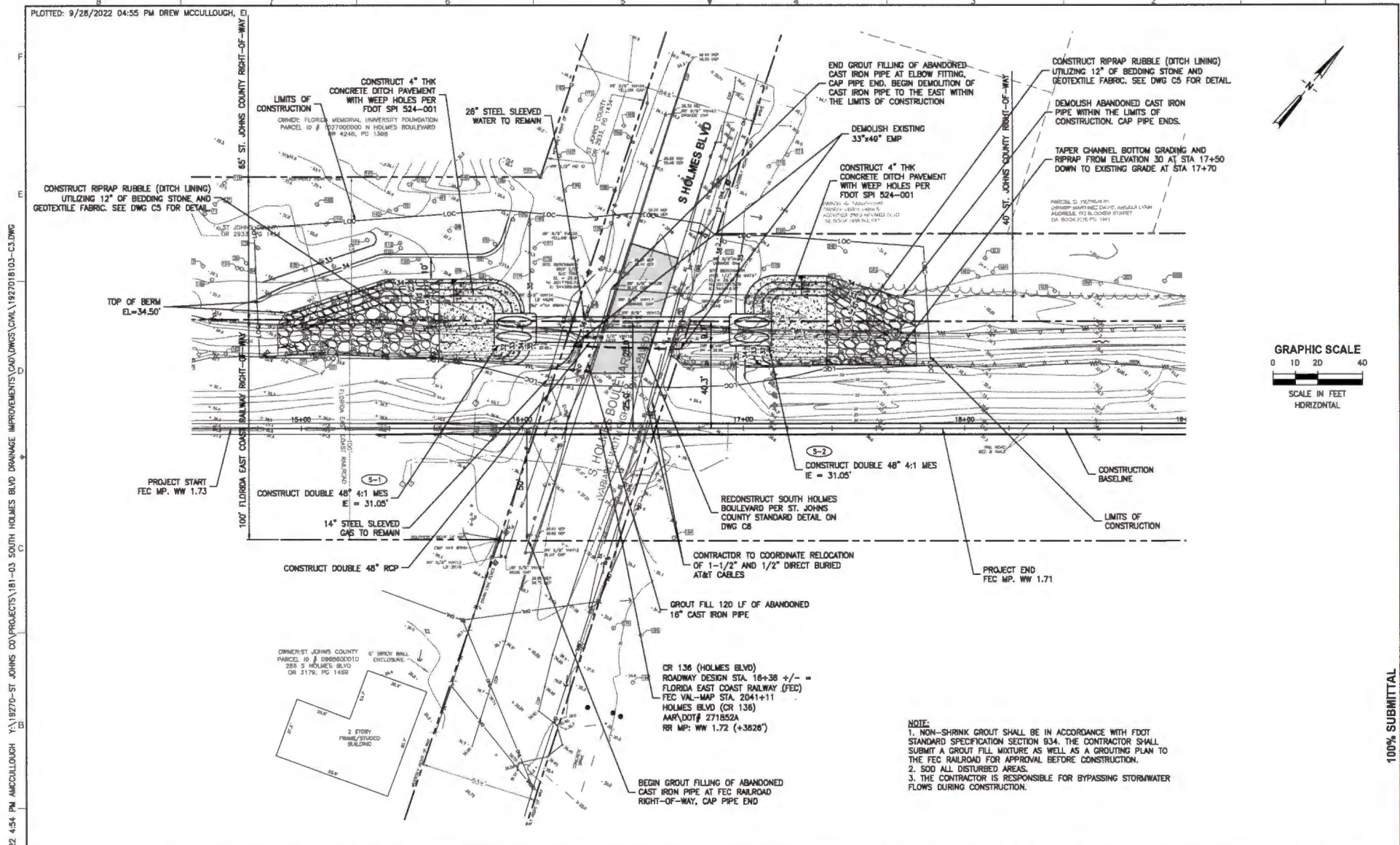
DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE



**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
ST. JOHNS COUNTY, FLORIDA

TYPICAL SECTIONS

APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	B	C1



NOTE:  
1. NON-SHRINK GROUT SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 834. THE CONTRACTOR SHALL SUBMIT A GROUT FILL MIXTURE AS WELL AS A GROUTING PLAN TO THE FEC RAILROAD FOR APPROVAL BEFORE CONSTRUCTION.  
2. SOO ALL DISTURBED AREAS.  
3. THE CONTRACTOR IS RESPONSIBLE FOR BYPASSING STORMWATER FLOWS DURING CONSTRUCTION.

PLOTTED: 9/28/2022 04:55 PM DREW MCCULLOUGH  
 19270-ST-JOHNS CO\PROJECTS\191-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\DWG\CIVIL\1927018103-C3.DWG  
 9/28/2022 4:54 PM AMCCULLOUGH

100% SUBMITTAL

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE
DATE	
REVISIONS	
BY	
APPROVAL	

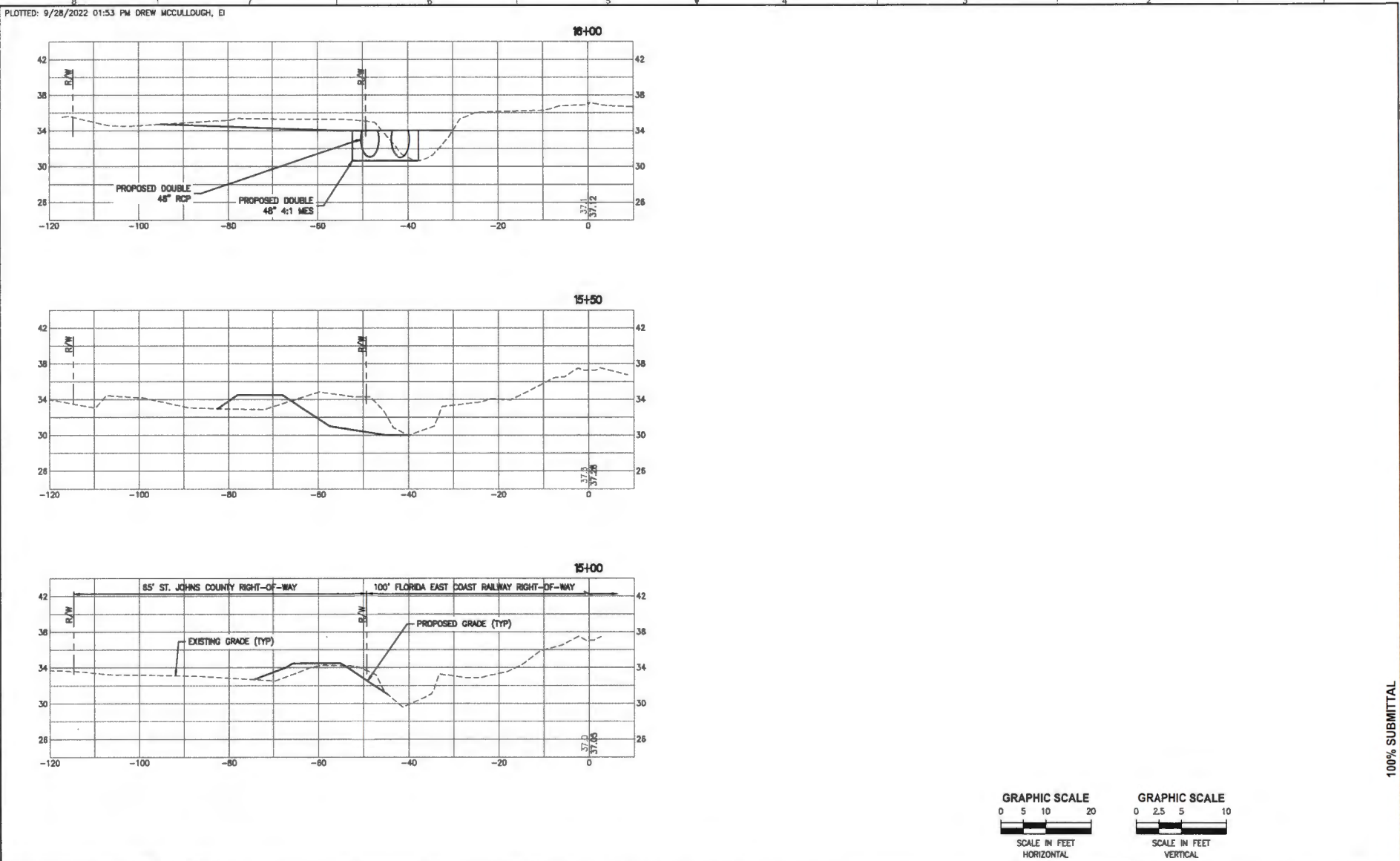
**JonesEdmunds**  
 CERTIFICATE OF AUTHORIZATION #1941  
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 | (352) 377-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
 ST. JOHNS COUNTY, FLORIDA

**GRADING AND DRAINAGE PLAN**

APPROVED BY	PROJECT NO:	DATE
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	9	C2

S:\19270-181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\DWG\DWG\CIVIL\1927018103-C11.DWG  
 PLOTTED: 9/28/2022 01:53 PM DREW MCCULLOUGH, EI  
 9/28/2022 1:18 PM AMCCULLOUGH Y:\19270-ST JOHN'S CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\DWG\DWG\CIVIL\1927018103-C11.DWG



100% SUBMITTAL

DESIGNED	M. O'BRIEN			
DRAWN	M. O'BRIEN			
CHECKED	B. MYHRE			
BY				
APPROVED				
LTR.	DATE	REVISIONS	BY	APPROVED

**JonesEdmunds**  
 CERTIFICATE OF AUTHORIZATION #1841  
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 977-5821

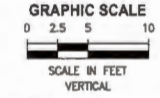
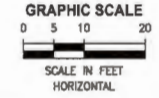
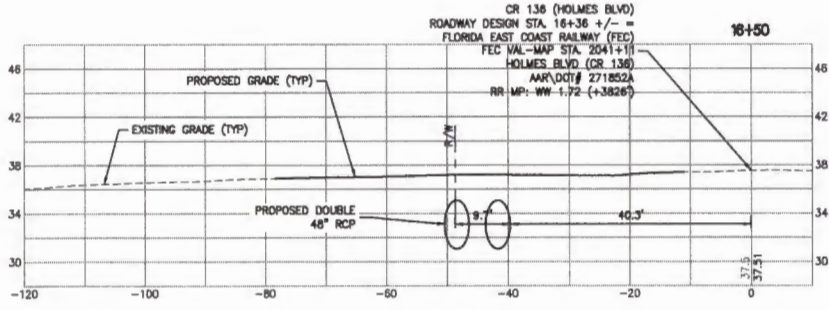
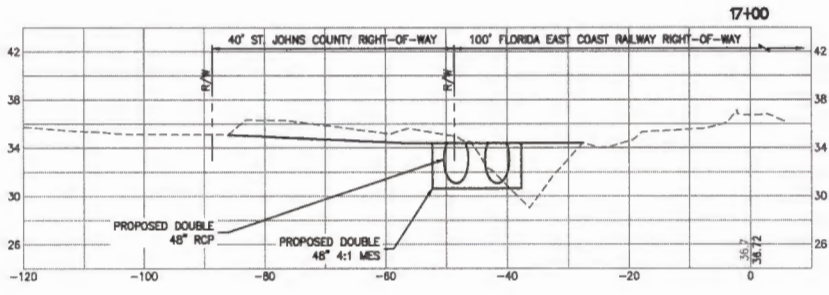
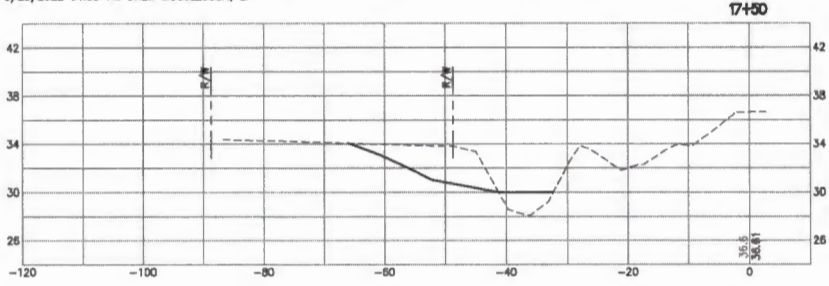
**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
**ST. JOHNS COUNTY, FLORIDA**

**CROSS SECTIONS**

APPROVED BY	PROJECT NO:	DATE
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73883	INDEX NO:	DWG NO:
	10	C3

SAVED: 9/2/2022 11:34 AM AMCCULLOUGH Y:\19270-ST JOHNNS CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\DWG\CAD\DWG\CAD\1927018103-C1.DWG

PLOTTED: 9/28/2022 01:53 PM DREW MCCULLOUGH, ET



DESIGNED	M. O'BRIEN			
DRAWN	M. O'BRIEN			
CHECKED	B. MYHRE			
LTR.	DATE	REVISIONS	BY	APPRO.



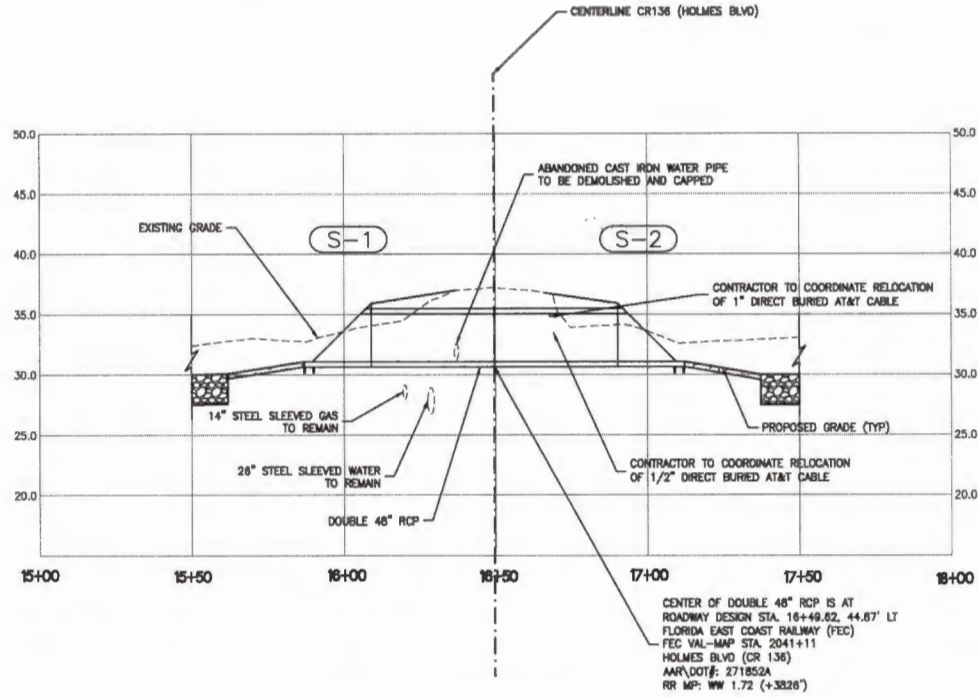
**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
**ST. JOHNNS COUNTY, FLORIDA**

CROSS SECTIONS

APPROVED BY  
 MATTHEW J. O'BRIEN  
 P.E. # 73893

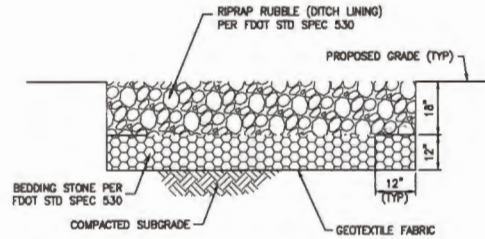
PROJECT NO:	19270-181-03	DATE:	AUG 2022
INDEX NO:	11	DWG NO:	C4

100% SUBMITTAL

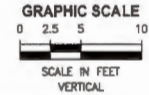


CENTER OF DOUBLE 48" RCP IS AT  
ROADWAY DESIGN STA. 16+49.62, 44.87' LT  
FLORIDA EAST COAST RAILWAY (FEC)  
FEC VAL-MAP STA. 2041+11  
HOLMES BLVD (CR 136)  
AAR\DOT#: 271852A  
RR MP: WW 1.72 (+3826')

THIS PROFILE IS SHOWN AT THE CENTER OF THE DOUBLE 48" RCP



TYPICAL RIPRAP DETAIL  
NTS



100% SUBMITTAL

SAVED: 9/9/2022 10:26 AM MCCULLOUGH Y:\19270-ST JOHNS CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG\19270\8103-C22.DWG

LTR.	DATE	REVISIONS	BY	APPRD.	CHECKED

**JonesEdmunds**  
730 NEWALLO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 977-5821

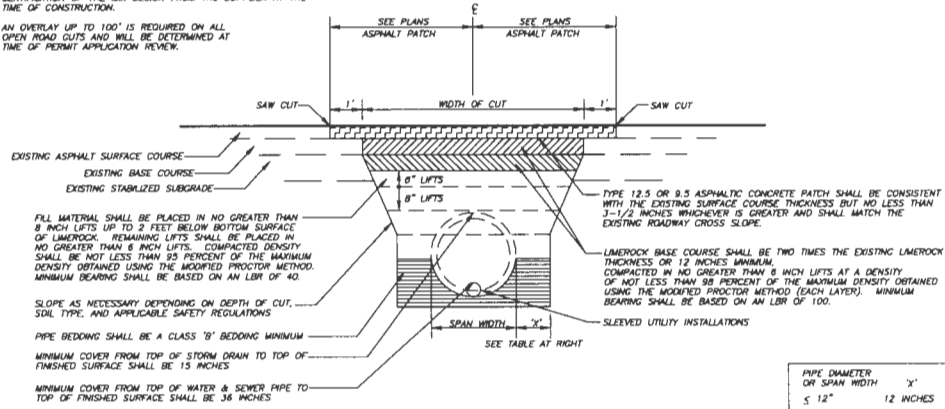
SOUTH HOLMES BOULEVARD - FLORIDA EAST  
COAST RAILWAY CULVERT IMPROVEMENTS  
ST. JOHNS COUNTY, FLORIDA

PIPE PROFILE

APPROVED BY <b>MATTHEW J. O'BRIEN</b> P.E. # 73893	PROJECT NO: 19270-181-03	DATE: AUG 2022
	INDEX NO: 12	DWG NO: C5

**NOTES:**

1. OPEN ROAD CUTS ARE GENERALLY NOT AN ACCEPTABLE MEANS OF CONSTRUCTION UNLESS APPROVED IN ADVANCE BY THE ENGINEERING RIGHT OF WAY DIVISION. SEE NOTE #3.
2. MATERIALS, MIX PROPORTIONS, PRODUCTION, PLACING, CONSTRUCTION REQUIREMENTS, AND ACCEPTANCE OF FLOWABLE FILL SHALL BE IN ACCORDANCE WITH THIS MANUAL.
3. ALL OPEN CUTS SHALL REQUIRE A PERMIT AND 48 HOUR ADVANCE NOTICE TO THE INSPECTION STAFF PRIOR TO COMMENCEMENT OF CONSTRUCTION. A REPRESENTATIVE FROM THE ENGINEERING R.O.W. DIV. STAFF MUST BE PRESENT AT THE TIME OF INSTALLATION OF THE UTILITY.
4. PUBLIC SAFETY SHALL BE MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE PROVISIONS OF PART 6, WORK ZONE TRAFFIC CONTROL OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. THE CONTRACTOR SHALL PROVIDE TO THE INSPECTOR CERTIFICATION OF THE MIX DESIGN FROM THE SUPPLIER AT THE TIME OF CONSTRUCTION.
6. AN OVERLAY UP TO 100' IS REQUIRED ON ALL OPEN ROAD CUTS AND WILL BE DETERMINED AT TIME OF PERMIT APPLICATION REVIEW.



PIPE DIAMETER OR SPAN WIDTH	"
≤ 12"	12 INCHES
≤ 30"	24 INCHES
≤ 42"	30 INCHES
≤ 48"	36 INCHES
≤ 60"	42 INCHES
> 60"	48 INCHES

OPEN ROAD CUTS/COMPACTED FILL

201

FILE NAME: 0201.DWG

100% SUBMITTAL

S:\2022\9-9-2022 4:12 PM MCCULLOUGH, DREW\19270-181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG\CIVIL\1927018103-C21.DWG

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE
DATE	
REVISIONS	
BY	
APPROV.	



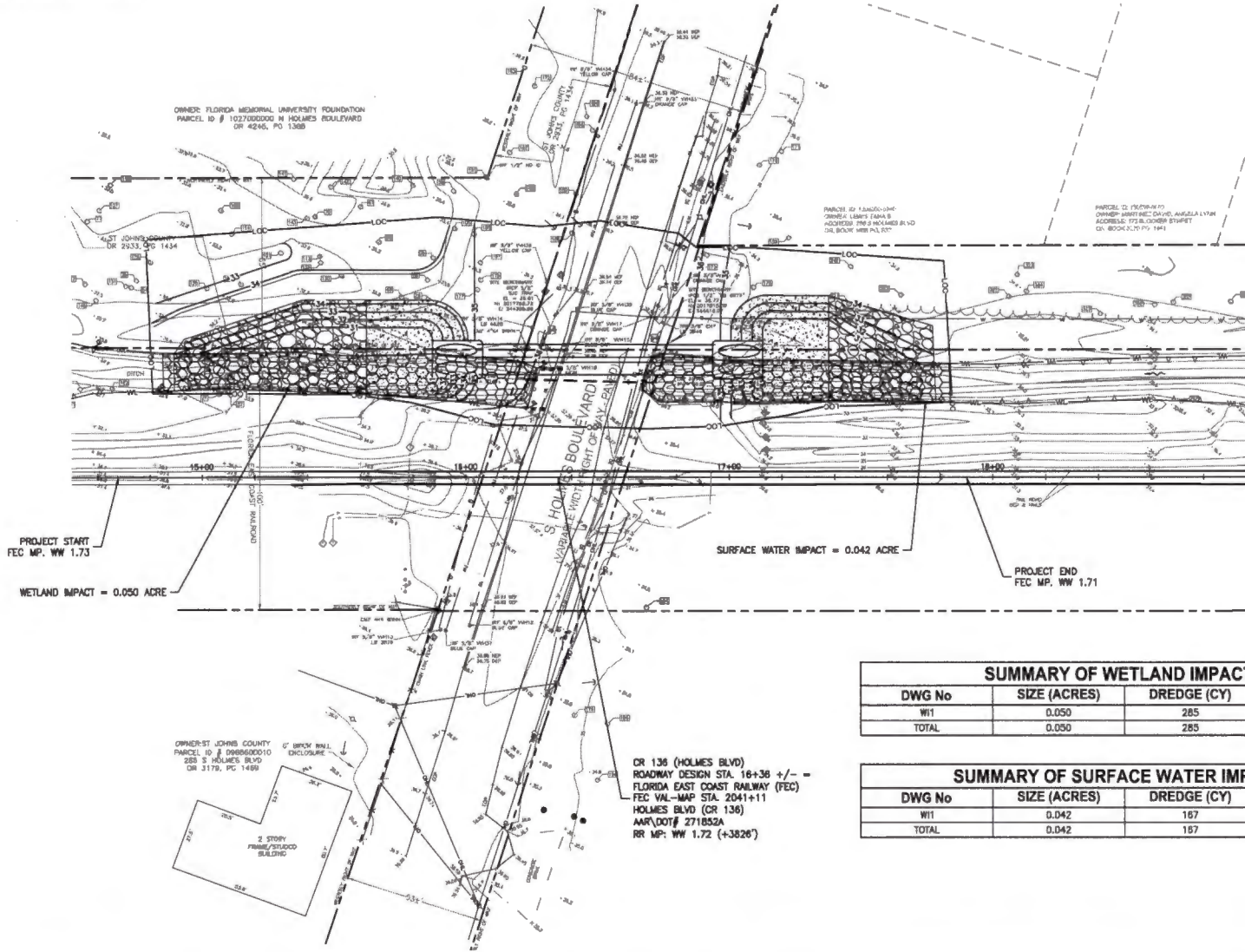
**SOUTH HOLMES BOULEVARD - FLORIDA EAST  
 COAST RAILWAY CULVERT IMPROVEMENTS  
 ST. JOHNS COUNTY, FLORIDA**

**ST. JOHNS COUNTY STANDARD  
 DETAIL**

APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	13	C3



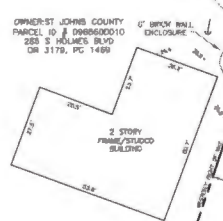
PLOTTED: 9/28/2022 01:53 PM DREW MCCULLOUGH, EI



GRAPHIC SCALE  
0 10 20 40  
SCALE IN FEET  
HORIZONTAL

SUMMARY OF WETLAND IMPACTS			
DWG No	SIZE (ACRES)	DREDGE (CY)	FILL (CY)
W11	0.050	285	3
TOTAL	0.050	285	3

SUMMARY OF SURFACE WATER IMPACTS			
DWG No	SIZE (ACRES)	DREDGE (CY)	FILL (CY)
W11	0.042	167	8
TOTAL	0.042	167	8



CR 136 (HOLMES BLVD)  
ROADWAY DESIGN STA. 16+36 +/- =  
FLORIDA EAST COAST RAILWAY (FEC)  
FEC VAL-MAP STA. 2041+11  
HOLMES BLVD (CR 136)  
AAR\DOT# 271852A  
RR MP: WW 1.72 (+3826')

SAVED: 9/28/2022 1:21 PM AMCCULLOUGH Y:\19270-ST JOHNS CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG\ENV\1927018103-W02.DWG

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE
DATE	



**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
ST. JOHNS COUNTY, FLORIDA

WETLAND IMPACTS

APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	14	W11

100% SUBMITTAL

8 7 6 5 4 3 2 1  
 PLOTTED: 9/28/2022 01:54 PM DREW MCCULLOUGH, EI

**NARRATIVE**

1. DESCRIPTION OF CONSTRUCTION ACTIVITY:  
 CONSTRUCTION OF DRAINAGE IMPROVEMENTS ALONG THE FLORIDA EAST COAST RAILWAY DITCH NEAR SOUTH HOLMES BLVD. THE PROJECT IS LOCATED IN ST. AUGUSTINE, FLORIDA (SEE INSET MAP ON COVER SHEET), ST. JOHNS COUNTY, FLORIDA.

WORK INCLUDES CLEARING, GRUBBING, TRENCHING, AND SITE GRADING FOR CONSTRUCTION OF A DRAINAGE CULVERT AND DITCH WIDENING.

2. SITE AREA INFORMATION:  
 THE STORMWATER FLOW IS FROM THE RAILWAY EMBANKMENT AND ADJACENT PROPERTIES TO THE DITCH ALONG THE FLORIDA EAST COAST RAILWAY. THE PROPOSED CULVERT WILL HELP IMPROVE CONVEYANCE ALONG THE DITCH AND THROUGH THE UNNAMED CHANNEL WHICH EVENTUALLY FLOWS TO FOX CREEK REGIONAL STORMWATER FACILITY.

TOTAL AREA OF THE SITES = 0.47 +/- ACRES  
 TOTAL DISTURBANCE AREA = 0.47 +/- ACRES  
 RUNDOFF CURVE NUMBERS FOR DISTURBED AREAS:  
 BEFORE CN = VARIES  
 AFTER CN = VARIES

3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FLOW OF STORMWATER THROUGH THE PROJECT LIMITS.

4. THE CONTRACTOR SHALL MODIFY THE CONSTRUCTION SEQUENCE TO MAINTAIN THE FLOW OF STORMWATER THROUGH OR AROUND THE PROJECT IN A MANNER THAT MAINTAINS THE WATER QUALITY AND COMPLIES WITH WATER MANAGEMENT DISTRICT REQUIREMENTS. PUMPING OF STORMWATER, AND DEWATERING, MAY BE NECESSARY WITHIN AND/OR BETWEEN CONSTRUCTION PHASES AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY PUMPING SHALL BE CONSIDERED INCIDENTAL TO THE EARTHWORK OPERATION.

5. THE CONTRACTOR SHALL REVIEW THE PROPOSED CONSTRUCTION SEQUENCE AND SUBMIT A LETTER CONFIRMING AGREEMENT WITH THE PROPOSED SEQUENCE TO THE OWNER, OR PROPOSING A DIFFERENT SEQUENCE FOR REVIEW AND APPROVAL BY THE ENGINEER.

6. PROPOSED CONSTRUCTION SEQUENCE:  
 MOBILIZATION/PRE-GRADING  
 - SUBMIT DETAILED SEDIMENT AND EROSION CONTROL PLAN TO FDEP FOR APPROVAL  
 - BEGIN TURBIDITY MONITORING.  
 - COMPLETE AND SUBMIT NOTICE OF INTENT (NOI) TO FDEP FOR CONSTRUCTION NPDES PERMIT.  
 - POST AND MAINTAIN NOI, ENVIRONMENTAL RESOURCE PERMIT, AND COUNTY PERMITS ONSITE IN SECURE BULLETIN BOARD.  
 - INSTALL SILT FENCES, FILTER BARRIER, TURBIDITY BARRIERS, AND OTHER BMPs AS NEEDED ALONG WORK LIMITS.

SITE WORK: DEWATER AS NEEDED, CONTROL SEDIMENT AND TURBIDITY IN DISCHARGE.

2.1 INSTALL SILT FENCES, FILTER BARRIER, AND OTHER BMPs AS NEEDED.  
 2.2 BEGIN CLEARING AND GRUBBING  
 2.3 BEGIN EARTHWORK OPERATIONS  
 2.4 CONSTRUCT STORMWATER CULVERT AND END TREATMENTS  
 2.5 FINE GRADE AREA, INSTALL RIPRAP, AND SOO  
 2.6 REMOVE SILT FENCES, FILTER BARRIER, AND OTHER BMPs

AFTER GRADING  
 - FINAL SODDING AND SITE RESTORATION  
 - REMOVE ACCUMULATED SEDIMENT FROM SEDIMENT TRAPS.  
 - REMOVE ACCUMULATED SEDIMENT ABOVE PLAN FINISHED GRADES AND ALL TEMPORARY EROSION CONTROL MEASURES  
 - RE-VEGETATE ALL DISTURBED AREAS AS NECESSARY

STARTUP AND COMPLETION OF CONSTRUCTION  
 - COMPLETE AND SUBMIT NOTICE OF TERMINATION TO FDEP

7. DESCRIPTION OF THE SOILS AND AN IDENTIFICATION OF THOSE THAT ARE HIGHLY ERODIBLE:  
 FLORIDAMA FINE SAND  
 MACKALEE FINE SAND  
 ST. JOHNS FINE SAND  
 POTTSBURG FINE SAND

8. AFFECTED DRAINAGE AREAS AND MAJOR DISCHARGE POINTS:  
 THE CHANNEL DRAINS THE WEST AUGUSTINE DRAINAGE BASIN AND DISCHARGES TO FOX CREEK REGIONAL STORMWATER FACILITY

9. LATITUDE AND LONGITUDE OF EACH MAJOR DISCHARGE POINT:  
 29°52'48.50" N 81°21'22.50" W

10. NAMES OF RECEIVING WATER(S):  
 FOX CREEK REGIONAL STORMWATER FACILITY

11. DESCRIPTION OF PROPOSED POLLUTION CONTROL MEASURES OR BMPs:  
 A. EROSION AND SEDIMENT CONTROL PRACTICES  
 FILTER BARRIER, SILT FENCE, SODDING, ARTIFICIAL COVERINGS, AND SAND BAGGING.  
 B. STRUCTURAL PRACTICES  
 N/A  
 C. DEWATERING PRACTICES  
 THE FOLLOWING DEWATERING CONTROL PRACTICES MAY BE USED IN THIS PROJECT:  
 I. SOCK DRAINS  
 II. DEWATERING TRENCHES  
 III. SKIMMERS & SKIMMER PUMPS  
 IV. SEDIMENT CONTAINMENT FILTER BAGS

12. ESTIMATED CONSTRUCTION SCHEDULE:  
 START DATE = TBD  
 COMPLETION DATE = TBD  
 STABILIZATION SCHEDULE  
 PERIMETER CONTROLS = BEGINNING OF PROJECT  
 CLEARING AND GRUBBING = THROUGHOUT THE PROJECT  
 INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES = THROUGHOUT THE PROJECT  
 CONSTRUCTION OF SEDIMENT BASIN = THROUGHOUT THE PROJECT  
 SITE CONSTRUCTION & INTERIM EROSION CONTROL MEASURES = THROUGHOUT THE PROJECT  
 FINAL VEGETATION = END OF PROJECT

13. THE CONTRACTOR IS RESPONSIBLE FOR THE BMP IMPLEMENTATION, INSPECTION, AND MAINTENANCE.

14. CALCULATIONS:  
 SUPPORTING CALCULATIONS FOR THE EROSION AND SEDIMENT CONTROL CAN BE FOUND IN THE PROJECT ENVIRONMENTAL RESOURCE PERMIT APPLICATION.

15. CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS.  
 THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO, THE NPDES PERMIT FOR CONSTRUCTION ACTIVITY, SURFMAN CONSUMPTIVE USE PERMIT FOR CONSTRUCTION DEWATERING, AND SURFMAN CONSTRUCTION DEWATERING DISCHARGE PERMIT.

16. INVENTORY FOR POLLUTION PREVENTION PLAN:  
 THE MATERIAL OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:  
 CONCRETE, WOOD, MASONRY BLOCKS, PETROLEUM BASED PRODUCTS, DIESEL, CLEANING SOLVENTS, DETERGENTS, METAL REBAR.

**RECORD REQUIREMENTS**  
 THE CONTRACTOR SHALL, AT A MINIMUM, PERFORM AND DOCUMENT THE FOLLOWING RECORD KEEPING TASKS IN A REGULAR AND EXPEDIENT MANNER WHILE CONSTRUCTION ACTIVITIES ARE OCCURRING.

1. CONTRACTORS MUST RECORD THE FOLLOWING DATES:  
 A) WHEN MAJOR GRADING ACTIVITIES OCCUR  
 B) WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE  
 C) WHEN STABILIZATION (I.E. EROSION CONTROL) MEASURES BEGIN

2. CONTRACTORS ARE TO PROVIDE QUALIFIED INSPECTORS WHO HAVE KNOWLEDGE AND EXPERIENCE IN THE PRINCIPLES AND PRACTICE OF SEDIMENT AND EROSION CONTROL AND CAN COMPLETE PROJECT SITE INSPECTIONS:  
 A) AT LEAST ONCE EVERY SEVEN (7) DAYS  
 B) DAILY AND WITHIN 24 HOURS AFTER THE END OF A STORM EVENT OF 0.50-INCHES OR MORE AT THE SITE. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A RAIN GAUGE AND RECORD THE RAINFALL.

3. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE, AND LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. COPIES OF THE INSPECTION REPORTS WILL BE SUBMITTED TO THE OWNER AND INCLUDE DOCUMENTATION OF REMEDIAL ACTION TO ADDRESS SYSTEM FAILURES. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

4. TURBIDITY MUST BE MONITORED, RECORDED, AND REPORTED IN ACCORDANCE WITH PERMIT REQUIREMENTS.

**INSPECTION AND MAINTENANCE REQUIREMENTS**  
 EROSION AND SEDIMENT CONTROL, INSPECTION AND MAINTENANCE PRACTICES  
 THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

1. ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.  
 2. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE, AND/OR FILTER BARRIER WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.  
 3. SILT FENCE AND/ OR FILTER BARRIER WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.  
 4. CONSTRUCTION ENTRANCES WILL BE INSPECTED FOR DEPTH OF CRUSHED STONE BED AND FILTER FABRIC CONDITION.  
 5. THE SEDIMENT TRAP WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.  
 6. DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.  
 7. THE CONTRACTOR WILL INSPECT TEMPORARY AND PERMANENT SEEDING AND PLANTING FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

**UPDATING REQUIREMENTS**  
 1. THE STORMWATER POLLUTION PREVENTION PLANS (SWPPP) CONTAINED HEREIN PROVIDE ONLY THE INITIAL AND MINIMUM REQUIREMENTS, AND PROJECT SPECIFIC STRUCTURAL BMPs NECESSARY FOR THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MODIFY AND UPDATE THESE PLANS ACCORDING TO THEIR OPERATIONS ON SITE. IN ADDITION, THE CONTRACTOR SHALL REVISE THESE DOCUMENTS:  
 a) PRIOR TO FILING FOR THE NPDES NOI  
 b) PRIOR TO BEGINNING EACH PHASE OF THE CONSTRUCTION SEQUENCE.  
 c) WITHIN SEVEN CALENDAR DAYS FOLLOWING AN INSPECTION WHEN ADDITIONS AND/OR MODIFICATIONS TO BMPs ARE NECESSARY TO CORRECT OBSERVED PROBLEMS.  
 d) WHENEVER A CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE AT THE CONSTRUCTION SITE HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES NOT PREVIOUSLY ADDRESSED IN THE DOCUMENTS.  
 e) WHENEVER DISCHARGES ARE CAUSING WATER QUALITY 'EXCEEDANCES' (AN EPA TERM) OR THE BMPs ARE INEFFECTIVE (TO AN EXTENT PRACTICAL) IN MINIMIZING POLLUTANTS IN STORMWATER DISCHARGING FROM THE CONSTRUCTION SITE.

S:\MED: 9/28/2022 1:20 PM MCCULLOUGH Y:\19270-ST. JOHNS CO\PROJECTS\191-181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG\VIEW\1927018103-EC1.DWG

100% SUBMITTAL

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE
DATE	

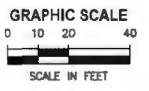
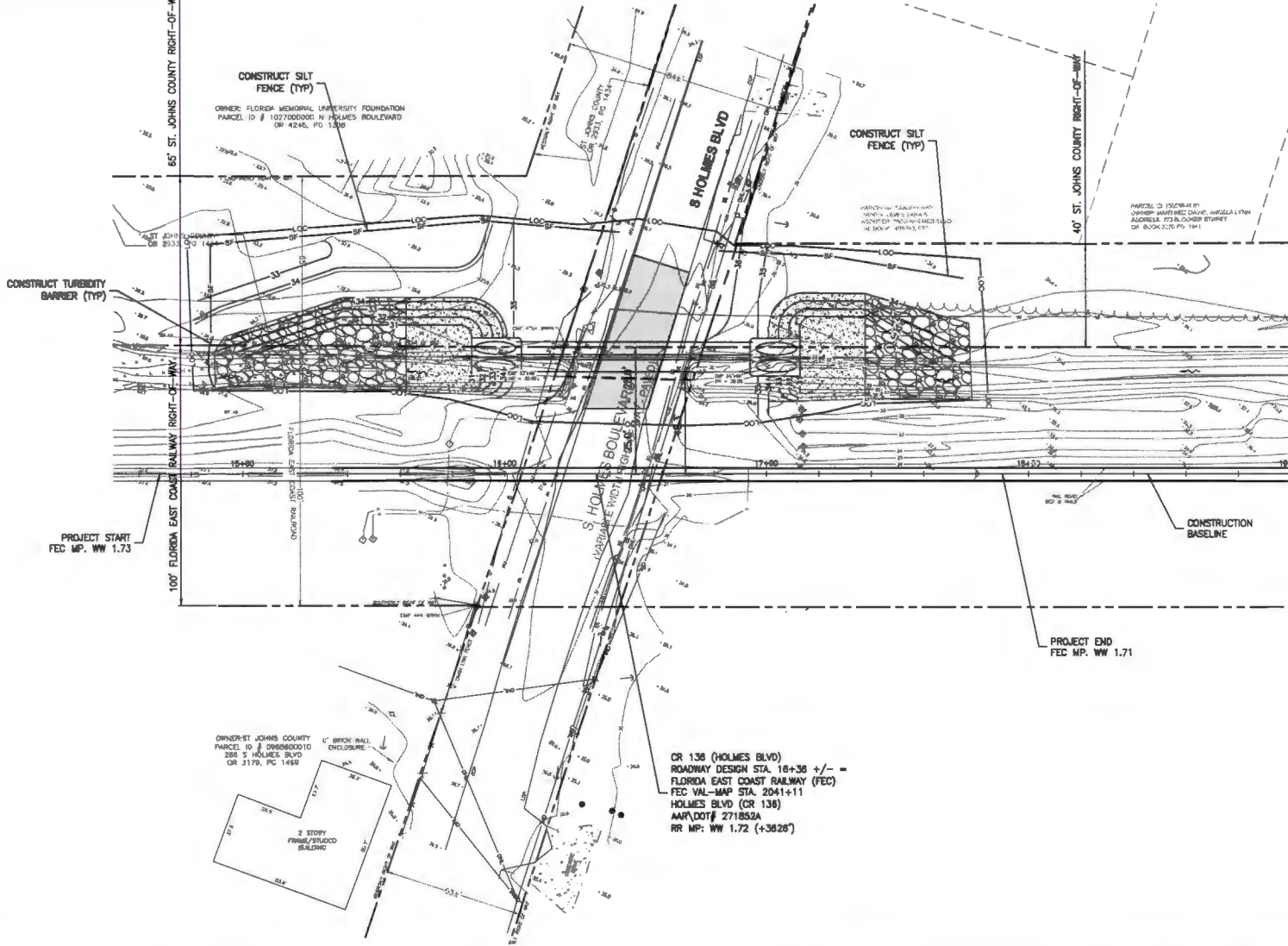
**JonesEdmunds**  
 CERTIFICATE OF AUTHORIZATION #1911  
 730 NEWALDADO ROAD, CAROLSVILLE, FLORIDA 32841 / (352) 377-1821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
 ST. JOHNS COUNTY, FLORIDA

**STORMWATER POLLUTION PREVENTION NOTES**

APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	15	EC1

PLOTTED: 9/28/2022 01:54 PM DREW MCCULLOUGH, E.I.



S:\19270-ST JOHN'S CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWGS\ENV\1927018103-EC2.DWG

100% SUBMITTAL

LTR.	DATE	REVISIONS	BY	APPR.

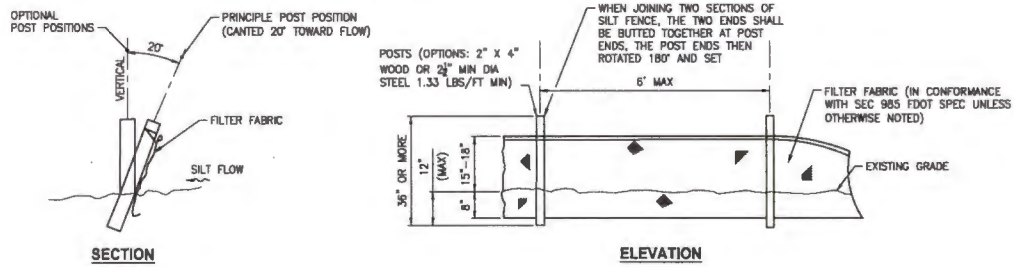
DESIGNED: **M. O'BRIEN**  
 DRAWN: **M. O'BRIEN**  
 CHECKED: **B. MYHRE**

**JonesEdmunds**  
 CERTIFICATE OF AUTHORIZATION #1841  
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
**ST. JOHNS COUNTY, FLORIDA**

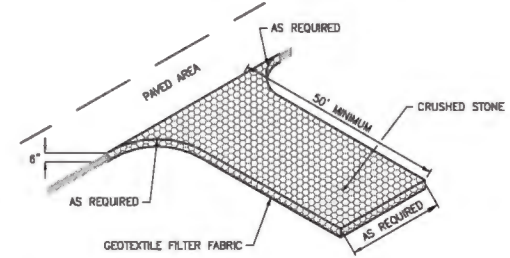
**STORMWATER POLLUTION PREVENTION PLAN**

APPROVED BY: <b>MATTHEW J. O'BRIEN</b> P.E. # 73893	PROJECT NO: 19270-181-03	DATE: AUG 2022
	INDEX NO: 18	DWG NO: EC2



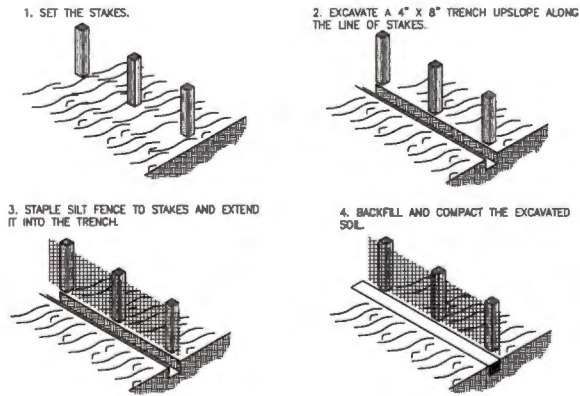
**TYPICAL SILT FENCE DETAIL**

NTS



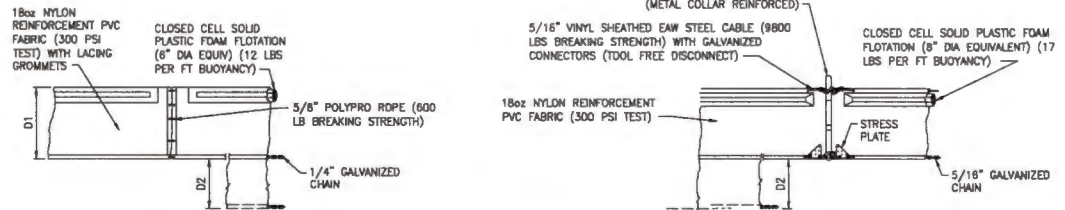
**STABILIZED CONSTRUCTION ENTRANCE/EXIT DETAIL**

NTS



**SILT FENCE CONSTRUCTION DETAIL**

NTS



**TYPE 1**

**TYPE 2**

D1 =5' STD (SINGLE PANEL FOR DEPTHS 5' OR LESS)  
D2 =5' STD (ADDITIONAL PANEL FOR DEPTHS 5')

CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALL FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTICE: COMPONENTS OF TYPES 1 AND 2 MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES 1 AND 2 SHALL BE AS APPROVED BY THE ENGINEER.

**TYPICAL FLOATING TURBIDITY BARRIER DETAIL**

NTS

10/5/2020 3:07 PM LAMBERMAN YA 19270-ST JOHNS COV PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWGS\EM\1927018103-EC3.DWG

100% SUBMITTAL

DESIGNED	M. O'BRIEN			
DRAWN	M. O'BRIEN			
CHECKED	B. MYHRE			
LTR.	DATE	REVISIONS	BY	APPR.

**JonesEdmunds**  
 CERTIFICATE OF AUTHORIZATION #1941  
 790 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

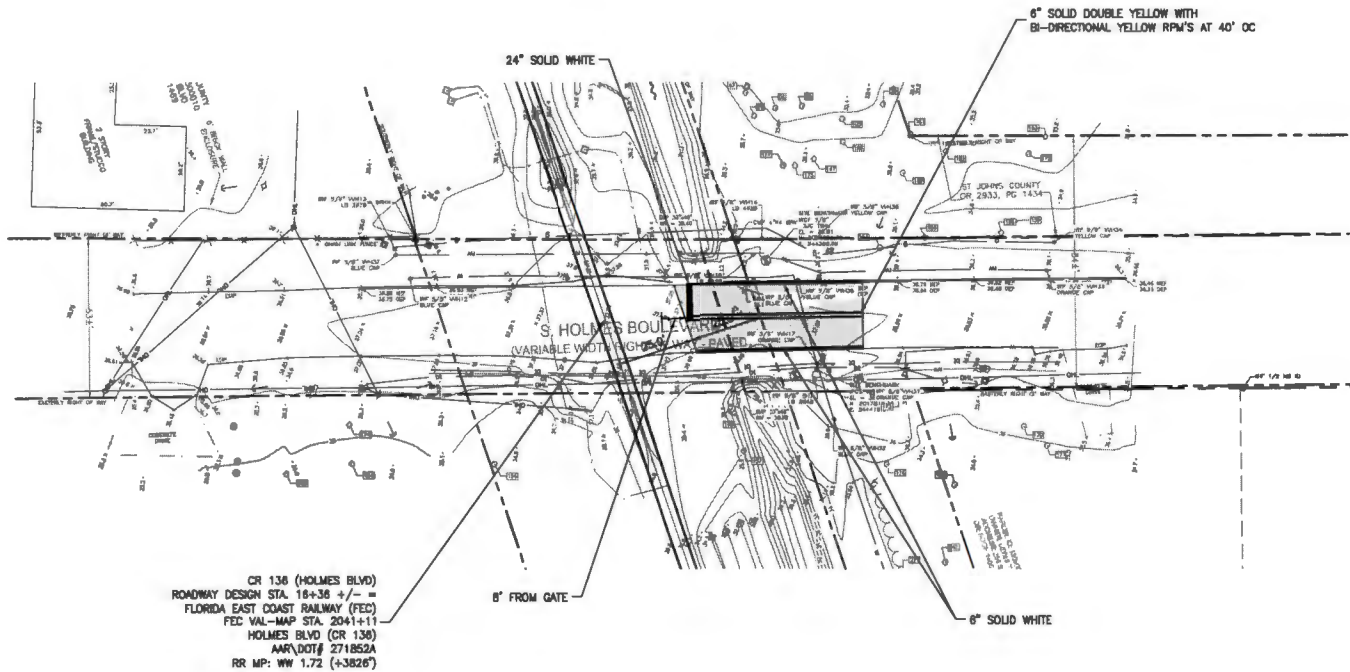
**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS ST. JOHNS COUNTY, FLORIDA**

**EROSION CONTROL DETAILS**

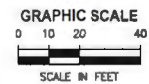
APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.E. # 73893	INDEX NO:	DWG NO:
	17	EC3

PLOTTED: 9/28/2022 01:54 PM DREW MCCULLOUGH, EI

SAVED: 9/7/2022 3:07 PM AMCCULLOUGH Y:\19270-ST JOHN'S CO\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWGS\DWG\1927018103-SM1.DWG



CR 136 (HOLMES BLVD)  
 ROADWAY DESIGN STA. 18+36 +/- =  
 FLORIDA EAST COAST RAILWAY (FEC)  
 FEC VAL-MAP STA. 20+1+11  
 HOLMES BLVD (CR 136)  
 ARA DOT# 271852A  
 RR MP: WW 1.72 (+3826')



100% SUBMITTAL

LTR.	DATE	REVISIONS	BY	APPROV.

DESIGNED **M. O'BRIEN**  
 DRAWN **M. O'BRIEN**  
 CHECKED **B. MYHRE**

**JonesEdmunds**  
CERTIFICATE OF AUTHORIZATION 011911  
 730 MEWALD ROAD, GAINESVILLE, FLORIDA 32641 / (352) 577-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST  
 COAST RAILWAY CULVERT IMPROVEMENTS  
 ST. JOHN'S COUNTY, FLORIDA**

**SIGNING AND PAVEMENT  
 MARKING PLAN**

APPROVED BY  
**MATTHEW J. O'BRIEN**  
 P.E. # 75583

PROJECT NO:	DATE:
19270-181-03	AUG 2022
DWG NO:	
18	SM1

PLOTTED: 8/26/2022 01:55 PM DREN MCCULLOUGH, D

SAVED: 8/9/2022 11:16 AM AMCCULLOUGH Y:\19270-ST JOHN'S COUNTY\PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG\DWG\19270\181-03-CP1.DWG



**NOTE**  
 THE CONTRACTOR SHALL PREPARE AND SUBMIT A MAINTENANCE OF TRAFFIC PLAN FOR REVIEW AND APPROVAL BY ST. JOHN'S COUNTY PRIOR TO COMMENCEMENT OF CONSTRUCTION.

- LEGEND**
- TYPE B BARRIAD
  - WORK AREA
  - DETOUR SIGN
  - VARIABLE MESSAGE BOARD

100% SUBMITTAL

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE
DATE	
REVISIONS	
BY	
APPROVAL	

**JonesEdmunds**  
 CERTIFICATE OF AUTHORIZATION #1841  
 730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
 ST. JOHN'S COUNTY, FLORIDA

**TRAFFIC CONTROL PLAN**

APPROVED BY	PROJECT NO:	DATE:
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.C. # 73093	REVISION NO:	DWG NO:
	19	CP1

PLOTTED: 9/28/2022 01:55 PM DREW MCCULLOUGH, ES

**NOTES**

1. SHEET NOT TO SCALE.
2. THE TRAFFIC CONTROL PLANS DEPICTED HEREIN PRESENT GENERIC TRAFFIC CONTROL SCENARIOS THAT MAY, WITH PROPER NOTIFICATION AND COORDINATION, ALLOW FOR THE CLOSURE OF STREETS FOR LIMITED PERIODS OF TIME DURING CONSTRUCTION. THESE PLANS ARE NOT A COMPREHENSIVE REPRESENTATION OF THE WORK, CONTROLS, ACCESS ISSUES, OR PHASES THAT MIGHT BE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT TO THE COUNTY FOR REVIEW AND APPROVAL THEIR OWN DETAILED CONSTRUCTION PHASING AND TRAFFIC CONTROL PLANS THAT ARE IN ACCORDANCE WITH THE DESIGN INTENT AND THE REQUIREMENTS OF ST. JOHNS COUNTY AND APPLICABLE FDOT DESIGN STANDARDS.
3. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICLE ACCESS TO ALL PARCELS AT ALL TIMES. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, TEMPORARY SIDEWALKS AND/OR PAVEMENTS ON BOTH PUBLIC AND PRIVATE PROPERTIES. THE COORDINATION AND APPROVALS WITH/FROM PRIVATE PROPERTY OWNERS FOR TEMPORARY PEDESTRIAN AND VEHICLE ACCESS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**4. VARIABLE MESSAGE BOARD INSTRUCTIONS**

VARIABLE MESSAGE BOARDS LABELED (A) TO DISPLAY THE FOLLOWING MESSAGE 7 DAYS PRIOR TO WORK COMMENCEMENT:

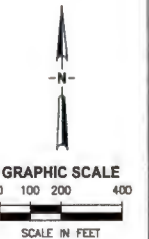
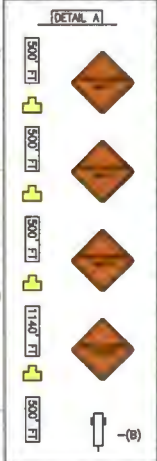
PANEL 1	PANEL 2
ROAD CLOSED AT R.R.	DATE THRU DATE

VARIABLE MESSAGE BOARDS LABELED (B) TO DISPLAY THE FOLLOWING MESSAGE DURING ROAD CLOSURE AND DETOUR:

PANEL 1	PANEL 2
ROAD CLOSED AT R.R.	FOLLOW DETOUR

VARIABLE MESSAGE BOARDS LABELED (C) TO DISPLAY THE FOLLOWING MESSAGE DURING ROAD CLOSURE AND DETOUR:

PANEL 1	PANEL 2
S. HOLMES CLOSED AT R.R.	FOLLOW DETOUR



**NOTE**  
THE CONTRACTOR SHALL PREPARE AND SUBMIT A MAINTENANCE OF TRAFFIC PLAN FOR REVIEW AND APPROVAL BY ST. JOHNS COUNTY PRIOR TO COMMENCEMENT OF CONSTRUCTION.

**LEGEND**

- TYPE II BARRICADE
- WORK AREA
- DETOUR SIGN
- VARIABLE MESSAGE BOARD
- CONCRETE JERSEY BARRIER
- ORANGE CONSTRUCTION FENCE

DATE	BY	REVISIONS	APP'D
DESIGNED	M. O'BRIEN		
DRAWN	M. O'BRIEN		
CHECKED	B. MYHRE		

**JonesEdmunds**  
CERTIFICATE OF AUTHORIZATION #1941  
 730 NEWALDO ROAD, GAINESVILLE, FLORIDA 32601 / (352) 377-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS  
 ST. JOHNS COUNTY, FLORIDA**

**TRAFFIC CONTROL PLAN**

APPROVED BY MATTHEW J. O'BRIEN PE # 735693	PROJECT NO: 19270-181-03	DATE: AUG 2022
	ISSUE NO: 20	DWG NO: CP2

SAVED: 9/28/2022 11:16 AM AMCCULLOUGH, D. \19270-ST JOHNS COUNTY PROJECTS\181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\DWG\1927018103-CP2.DWG

100% SUBMITTAL

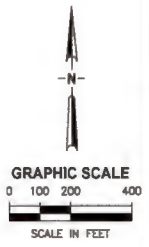
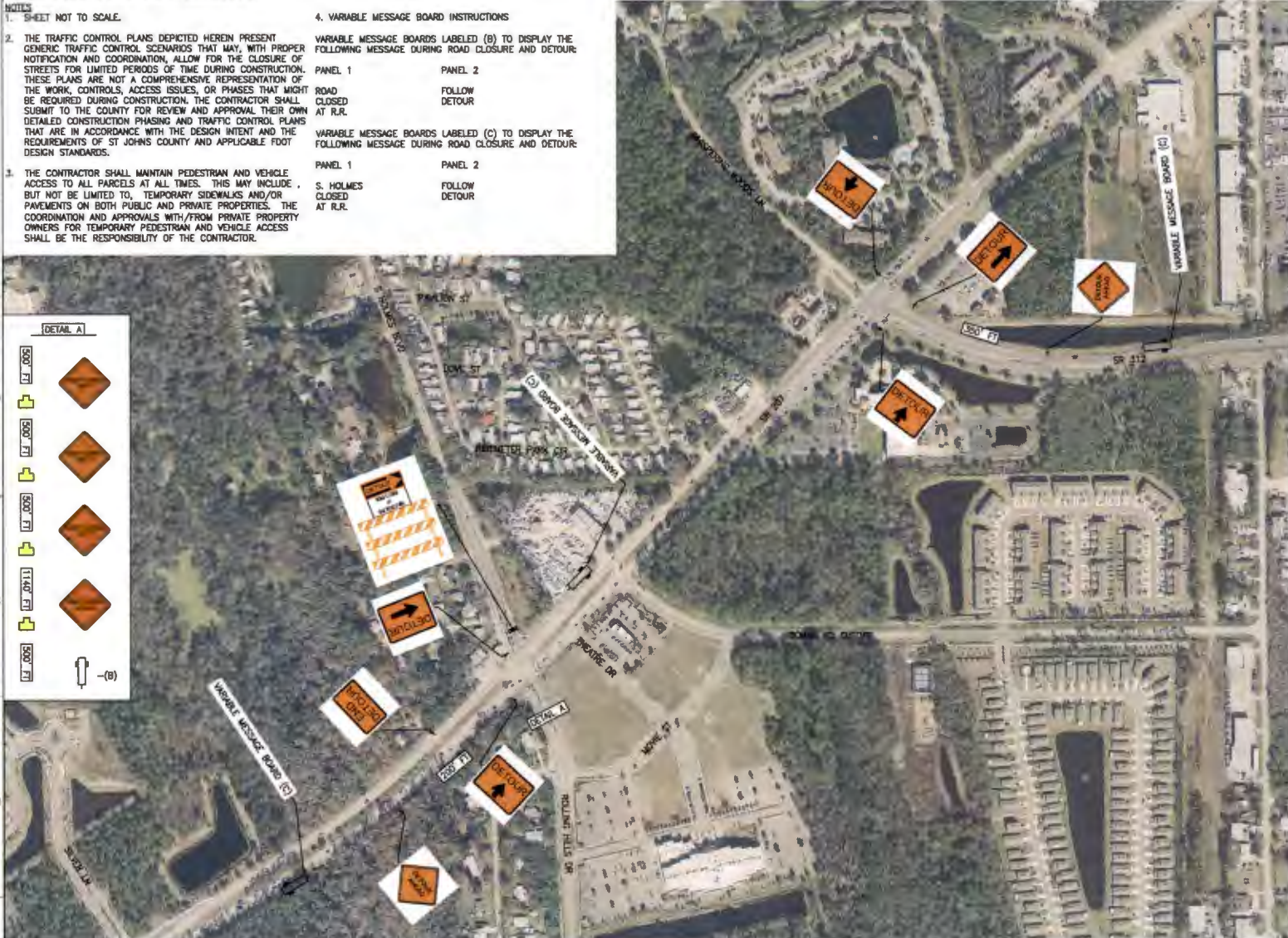
PLOTTED: 9/28/2022 01:55 PM DREW MCCULLOUGH, E

**NOTES**

1. SHEET NOT TO SCALE.
2. THE TRAFFIC CONTROL PLANS DEPICTED HEREIN PRESENT GENERIC TRAFFIC CONTROL SCENARIOS THAT MAY, WITH PROPER NOTIFICATION AND COORDINATION, ALLOW FOR THE CLOSURE OF STREETS FOR LIMITED PERIODS OF TIME DURING CONSTRUCTION. THESE PLANS ARE NOT A COMPREHENSIVE REPRESENTATION OF THE WORK, CONTROLS, ACCESS ISSUES, OR PHASES THAT MIGHT BE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT TO THE COUNTY FOR REVIEW AND APPROVAL THEIR OWN DETAILED CONSTRUCTION PHASING AND TRAFFIC CONTROL PLANS THAT ARE IN ACCORDANCE WITH THE DESIGN INTENT AND THE REQUIREMENTS OF ST. JOHNS COUNTY AND APPLICABLE FDOT DESIGN STANDARDS.
3. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICLE ACCESS TO ALL PARCELS AT ALL TIMES. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, TEMPORARY SIDEWALKS AND/OR PAVEMENTS ON BOTH PUBLIC AND PRIVATE PROPERTIES. THE COORDINATION AND APPROVALS WITH/FROM PRIVATE PROPERTY OWNERS FOR TEMPORARY PEDESTRIAN AND VEHICLE ACCESS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

- 4. VARIABLE MESSAGE BOARD INSTRUCTIONS**
- VARIABLE MESSAGE BOARDS LABELED (B) TO DISPLAY THE FOLLOWING MESSAGE DURING ROAD CLOSURE AND DETOUR:
- |                     |               |
|---------------------|---------------|
| PANEL 1             | PANEL 2       |
| ROAD CLOSED AT R.R. | FOLLOW DETOUR |
- VARIABLE MESSAGE BOARDS LABELED (C) TO DISPLAY THE FOLLOWING MESSAGE DURING ROAD CLOSURE AND DETOUR:
- |                          |               |
|--------------------------|---------------|
| PANEL 1                  | PANEL 2       |
| S. HOLMES CLOSED AT R.R. | FOLLOW DETOUR |

**DETAIL A**



**NOTE**  
THE CONTRACTOR SHALL PREPARE AND SUBMIT A MAINTENANCE OF TRAFFIC PLAN FOR REVIEW AND APPROVAL BY ST. JOHNS COUNTY PRIOR TO COMMENCEMENT OF CONSTRUCTION.

**LEGEND**

- TYPE II BARRICADE
- WORK AREA
- DETOUR SIGN
- VARIABLE MESSAGE BOARD

100% SUBMITTAL

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE



**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
ST. JOHNS COUNTY, FLORIDA

**TRAFFIC CONTROL PLAN**

APPROVED BY	PROJECT NO.	DATE
MATTHEW A. O'BRIEN	19270-181-03	AUG 2022
P.E. # 75863	DESK NO.	DWG NO.
	21	CP3

S:\19270-181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\DWG\1927018103-CP3.DWG

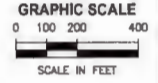


PLOTTED: 9/28/2022 01:55 PM DREW MCCULLOUGH, EI

**NOTES**

1. SHEET NOT TO SCALE.
2. THE TRAFFIC CONTROL PLANS DEPICTED HEREIN PRESENT GENERIC TRAFFIC CONTROL SCENARIOS THAT MAY, WITH PROPER NOTIFICATION AND COORDINATION, ALLOW FOR THE CLOSURE OF STREETS FOR LIMITED PERIODS OF TIME DURING CONSTRUCTION. THESE PLANS ARE NOT A COMPREHENSIVE REPRESENTATION OF THE WORK, CONTROLS, ACCESS ISSUES, OR PHASES THAT MIGHT BE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT TO THE COUNTY FOR REVIEW AND APPROVAL THEIR OWN DETAILED CONSTRUCTION PHASING AND TRAFFIC CONTROL PLANS THAT ARE IN ACCORDANCE WITH THE DESIGN INTENT AND THE REQUIREMENTS OF ST. JOHNS COUNTY AND APPLICABLE FOOT DESIGN STANDARDS.
3. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICLE ACCESS TO ALL PARCELS AT ALL TIMES. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, TEMPORARY SIDEWALKS AND/OR PAVEMENTS ON BOTH PUBLIC AND PRIVATE PROPERTIES. THE COORDINATION AND APPROVALS WITH/FROM PRIVATE PROPERTY OWNERS FOR TEMPORARY PEDESTRIAN AND VEHICLE ACCESS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. VARIABLE MESSAGE BOARD INSTRUCTIONS  

VARIABLE MESSAGE BOARDS LABELED (C) TO DISPLAY THE FOLLOWING MESSAGE DURING ROAD CLOSURE AND DETOUR:	PANEL 1 S. HOLMES CLOSED AT R.R.
	PANEL 2 FOLLOW DETOUR



**NOTE**  
THE CONTRACTOR SHALL PREPARE AND SUBMIT A MAINTENANCE OF TRAFFIC PLAN FOR REVIEW AND APPROVAL BY ST. JOHNS COUNTY PRIOR TO COMMENCEMENT OF CONSTRUCTION.

- LEGEND**
- TYPE B BARRICADE
  - WORK AREA
  - DETOUR SIGN
  - VARIABLE MESSAGE BOARD

100% SUBMITTAL

DESIGNED	M. O'BRIEN
DRAWN	M. O'BRIEN
CHECKED	B. MYHRE
DATE	
REVISION	
BY	
APPROVED	

**JonesEdmunds**  
CERTIFICATE OF AUTHORIZATION #1841  
790 NEWALLO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821

**SOUTH HOLMES BOULEVARD - FLORIDA EAST COAST RAILWAY CULVERT IMPROVEMENTS**  
**ST. JOHNS COUNTY, FLORIDA**

**TRAFFIC CONTROL PLAN**

APPROVED BY	PROJECT NO.	DATE
MATTHEW J. O'BRIEN	19270-181-03	AUG 2022
P.L. # 73893	INDEX NO.	DWG NO.
	22	CP4

SWED: 9/9/2022 11:16 AM MCCULLOUGH P:\19270-181-03 SOUTH HOLMES BLVD DRAINAGE IMPROVEMENTS\CAD\DWG\SYM\1927018103-CP4.DWG