



500 Water Street, J180  
Jacksonville, FL 32202  
904.279.3806  
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Eric Horton  
Real Estate Analyst

April 3, 2019

Agreement No.: CSX057906  
Site Location No.: CSX057906029

Greg Rager  
Jacksonville Electric Authority  
21 West Church Street  
Jacksonville, FL 32202

Dear Greg Rager,

Reference is made to install facilities within CSX Transportation, Inc.'s property by request from Jacksonville Electric Authority

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<b>Agreement Date:</b>	May 16, 2007	<b>Location:</b>	Jacksonville, Duval, FL Milepost A-632.55 Division Jacksonville Subdivision Nahunta
<b>Application Date:</b>	January 18, 2019	<b>Facility:</b>	Subgrade HDD - Install 4in HDPE SDR11 casing with 3 x 1.25in inner ducts (1 x 72ct fiber optic cable & 2 x empties) at a minimum depth below rail to top of casing of 15ft.

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Subject to the above referenced company scheduling the work as hereafter references, this letter will serve as formal authority to make the installation at the location, in accordance with specifications outlined in your application and subject to the terms of said Agreements. This letter shall constitute a Supplement to said Agreement; please retain it in your file(s) pertaining to the same.

To schedule the work, please visit the CSX Property Portal to complete the Outside Party Number Request Form. Pursuant to terms of the Agreement, the protection services fees will be invoiced upon completion of installation of the facilities.

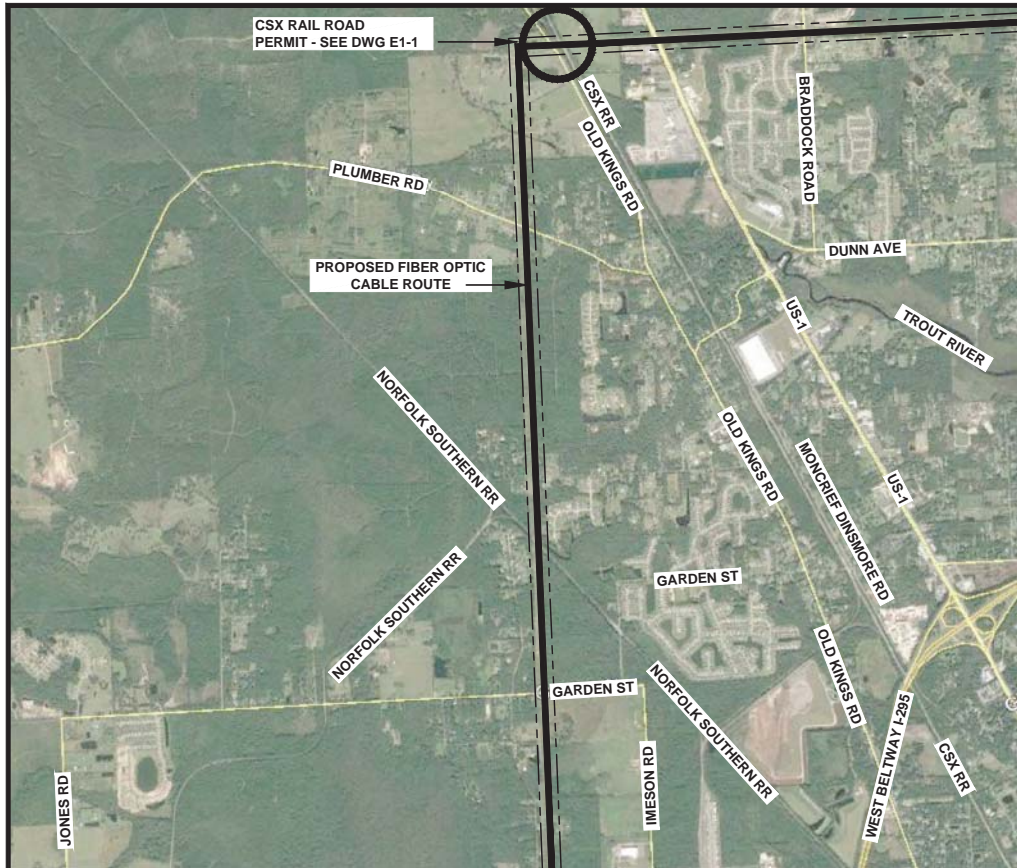
Should there be any questions, please feel free to give us a call at the above referenced number.

Sincerely,

Eric Horton

**CSX Transportation (CSX) General Notes (Horizontal Directional Drill (HDD)):**

- 1) CSX owns its right-of-way for the primary purpose of operating a railroad, and shall maintain unrestricted use of its property for current and future operations. In the event that relocation of facilities becomes necessary to accommodate the movement of rail traffic, Licensee, at its sole risk and expense, shall be required to relocate and/or remove facilities from the rail corridor of Licensor within a time frame mutually agreed.
- 2) CSX's consent applies to the design and construction of the utility located solely in the right-of-way owned by CSX and assures that CSX and AREMA Standard Specifications are met for tracks owned by others over which CSX operates. It is the utility Owner's (Applicant) responsibility to get permission from the property owner that is other than CSX to access and construct on their property.
- 3) Refer to the CSX's "Interim Guidelines for Horizontal Directional Drilling (HDD) Under the Property and Tracks(s) of CSX Transportation, INC." revised April 3, 2018, "Design & Construction Standard Specifications Pipeline Occupancies" revised June 5, 2018 and "Design & Construction Standard Specifications Wireline Occupancies" revised December 16, 2016.
- 4) CSX's signal facilities and/or warning devices at proposed facility crossing, i.e. cantilevers, flashers, and gates are to be located prior to installation.
- 5) No entry or construction on CSX's railroad corridor is permitted until the utility encroachment review and approval process is completed, you are in receipt of a fully executed License agreement and you have obtained authority from the local Road Master.
- 6) A bore plan and fraction mitigation plan (reference CSX' Bore Template and Fraction Mitigation Plan(s)), if not provided and approved during the application review, must be submitted to CSX's representative for review and approval prior to construction.
- 7) Drilling fluid with bentonite additive is required.
- 8) Once the bore enters CSX's property, the work must be continuous until drilling is complete and the pipe is pulled in place and the bore must be tracked constantly, with the location and depth marked every 10 feet.
- 9) Casing pipe ends must be sealed to prevent entrance of foreign materials and all drill heads are required to be on site for expected and unexpected soil conditions.
- 10) Dry and wet bores (jetting) are not allowed.
- 11) Trailing rods must be utilized for all back reaming.
- 12) At locations where open cut is permitted on CSX's right-of-way and/or railroad corridor, contractor must comply with CSX's D&C Standard Specifications section 4.1.7 Open Cut. Please reference this guidance for instructions on restoring site.
- 13) No entry or construction on CSX's railroad corridor is permitted until the utility encroachment review and approval process is completed, you are in receipt of a fully executed License agreement and you have obtained authority from the local Road Master.
- 14) Abandoned pipelines shall be removed or completely filled with cement grout, compacted sand, or other methods, as approved by CSX. Abandoned manholes and other structures shall be removed to a minimum depth of 2 feet below finished grade and completely filled with cement grout, compacted sand, or other methods as approved by CSX.
- 15) Pipeline encroachment shall be prominently marked at both sides of the CSX's property lines by durable, weatherproof signs located over the centerline of the pipe in accordance with CSX's D&C Standard Specifications.
- 16) If required, a dewatering plan in accordance with CSX's D&C Standard Specifications will be submitted to the CSX representative for review and approval prior to any dewatering operations.
- 17) Blasting is not permitted on CSX's property.
- 18) CSX does not grant or convey an easement for this installation.



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### PROJECT OVERALL LOCATION

### AND ROUTING MAP

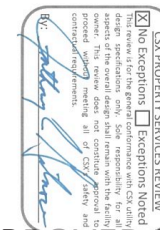
NOT TO SCALE



# JE A - FIBER BUILD PROJECT DINSMORE SUBSTATION TO GARDEN CITY AND WEST LAKE SUBSTATIONS BLACK & VEATCH PROJECT 400631 PERMIT APPLICATION DRAWINGS FOR CSX RAIL ROAD

### PROJECT DRAWING LIST

SHEET COUNT	DRAWING NUMBER	DRAWING TITLE
1 OF 5	E0-1	OVERALL SITE PLAN & DRAWING LIST
2 OF 5	E0-2	STANDARD DETAILS NOTES & LEGEND
3 OF 5	E1-1	P&P AND ENLARGED SITE PLAN
4 OF 5	E1-2	ENLARGED PLAN & CONSTRUCTION NOTES
5 OF 5	E1-3	ENLARGED SECTION & NOTES



## APPROVED FOR CONSTRUCTION FOR PERMITTING PURPOSES

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

### CONTACTS

PROJECT MANAGER: GREG RAGER  
(904) 665-8136

PROJECT DESIGNER: KENT BAUGHER  
(904) 288-4257



NO				REVISION DESCRIPTION			BY	DATE	ENGINEER: —			PAGER #			RADIO #			PHONE #			ENGINEERING RECORD						DINSMORE SUBSTATION						PROJ PHASE						
A				ISSUED FOR CSX RR PERMIT			JKB	12/MAR/19							4.16 kV			13.2 kV			26.4 kV			DRAWN BY:						BY	DATE	FIBER OPTIC BUILD – CSX PERMIT						0052	
									SUBSTATION NAME															DESIGNED BY:						JKB	MAR/19	OVERALL SITE PLAN & DRAWING LIST						400631	
									CIRCUIT NUMBER/S															CHECKED BY:								DWG SCALE:						E0-1	
									SWITCH MAP NUMBER/S															APPROVED BY:								AS INDICATED						E0-1	
									OVERHEAD MAP NUMBER/S															APPROVED FOR CONST BY:								BUILDING COMMUNITY JACKSONVILLE, FLORIDA						SHEET CNT	
																																TECHNOLOGY SERVICES						1 OF 5	

### DINSMORE SUBSTATION FIBER OPTIC BUILD - CSX PERMIT OVERALL SITE PLAN & DRAWING LIST

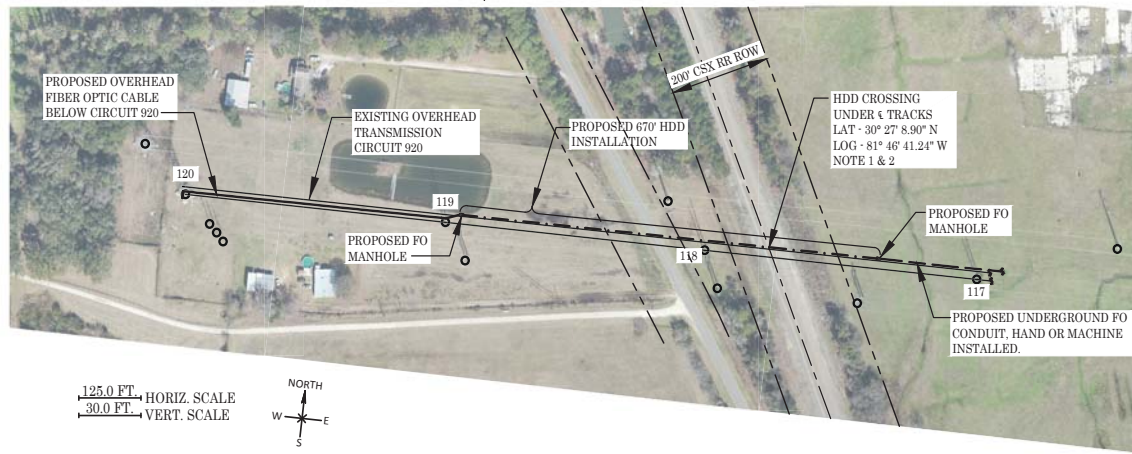
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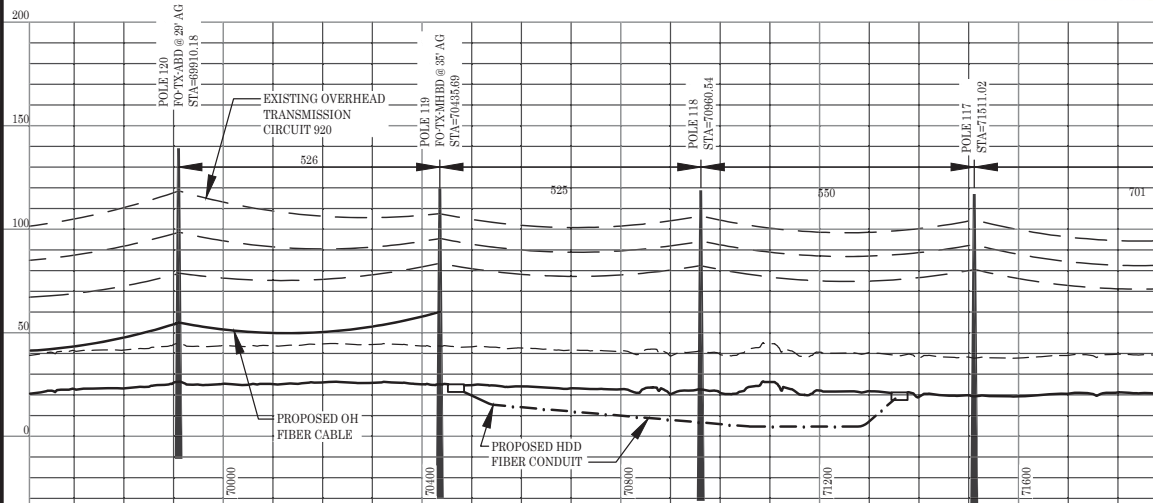


TECHNOLOGY SERVICES

PROJ PHASE  
0052  
PROJ NO.  
400631  
DRAWING NO.  
E0-1  
SHEET CNT  
1 OF 5



125.0 FT. HORIZ. SCALE  
30.0 FT. VERT. SCALE



PLAN & PROFILE  
PROPOSED HDD BORE INSTALLATION LOCATION  
SCALE AS INDICATED

PLAN & PROFILE NOTES:

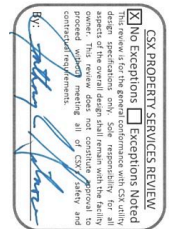
1. PROPOSED UNDERGROUND FIBER OPTIC CONDUIT CROSSES  
C. OF TRACK SET APPROXIMATELY 1152' SOUTH OF WOODLEY RD.  
WHICH CURRENTLY DOES NOT CROSS THE CSX PROPERTY.
2. THE NEAREST KNOWN MILE MARKER "632" IS APPROXIMATELY 365'  
NORTH OF THE PROPOSED UNDERGROUND INSTALLATION.



ENLARGED SITE PLAN  
NOT TO SCALE

LEGEND

- RIGHT OF WAY OR EASEMENT
- PROPERTY BOUNDARY
- AERIAL FIBER OPTIC CABLE
- UNDERGROUND FIBER OPTIC CABLE IN CONDUIT
- HDD INSTALLATION ROUTE
- SURFACE WATER LINE
- FIBER OPTIC MANHOLE (30" X 60" X 30")
- EXISTING TRANSMISSION POLE/STRUCTURE



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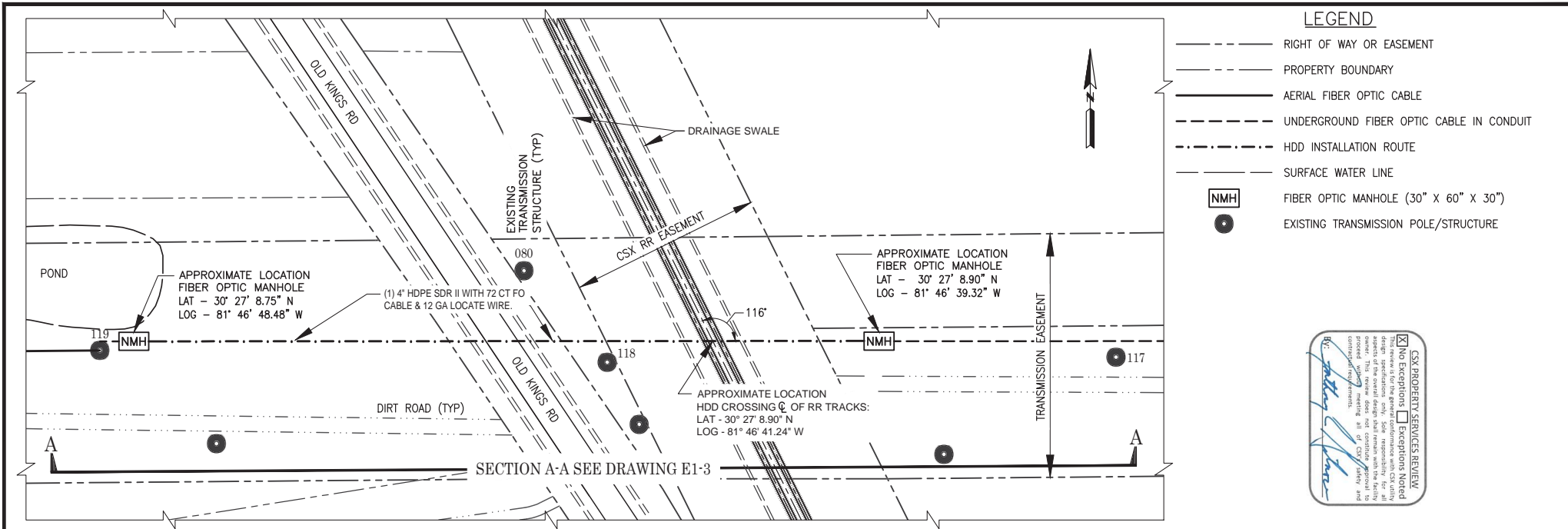
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NO	REVISION DESCRIPTION	BY	DATE	ENGINEER: --	PAGER #	RADIO #	PHONE #
A	ISSUED FOR CSX RAIL ROAD PERMIT	JKB	12/MAR/19			4.16 kV	13.2 kV 26.4 kV
				SUBSTATION NAME			
				CIRCUIT NUMBER/S			
				SWITCH MAP NUMBER/S			
				OVERHEAD MAP NUMBER/S			

ENGINEERING RECORD	BY	DATE
DRAWN BY:	AR	MAR/19
DESIGNED BY:	KM	MAR/19
CHECKED BY:		
APPROVED BY:		
APPROVED FOR CONST BY:		

DINSMORE SUBSTATION FIBER OPTIC BUILD - CSX PERMIT PLAN & PROFILE AND ENLARGED SITE PLAN		PROJ. PHASE 0052
DWG SCALE:		PROJ. NO. 400631
AS INDICATED		DRAWING NO. E1-1
	TECHNOLOGY SERVICES	SHEET CNT 3 OF 5



PLAN VIEW @ CSX RAIL ROAD  
JEA PROPOSED FIBER OPTIC CROSSING

#### CONSTRUCTION NOTES:

- FIBER OPTIC CASING INSTALLATION WITHIN THE CSX ROW, SHALL BE HORIZONTAL DIRECTIONAL DRILLING. MACHINE EXCAVATION AND HAND DIGGING WILL BE EMPLOYED OUTSIDE THE CSX ROW AS NECESSARY.
- EROSION & SEDIMENT CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. STORM DRAINAGE INLETS SHALL BE PROTECTED BY DOUBLE FILTER SOCK. DITCHES SHALL BE PROTECTED BY SILT FENCE & HAY BALES.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES AT LEAST 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY USING FLORIDA ONE CALL 1-800-432-4770.
- WORK SITE CLEANUP SHALL BE CONDUCTED ON A DAILY BASIS.
- PRIOR TO INSTALLATION OF HDD PASSING THROUGH CSX PROPERTY CONTRACTOR SHALL:
  - SUBMIT AN HDD BORING PLAN TO CSX, USING THE CSX HDD BORING PLAN TEMPLATE.
  - PROVIDE DETAILED FRACTION MITIGATION (FRAC-OUT) PLAN.
  - ESTABLISH SURVEY GRID LINE AND PROVIDE A PROGRAM TO MONITOR AND DOCUMENT THE ACTUAL BORE HOLE LOCATION.
- CONTRACTOR SHALL PROVIDE MARKED UP DRAWING/PLAN SET INDICATING ALL VARIATIONS TO DESIGN DRAWINGS TO BE USED FOR RECORD DRAWINGS.

SCALE: 1" = 40'-0"

40' 20' 0 40' 80'  
SCALE: 1"=40'

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(904) 288-4257

**BLACK & VEATCH**  
12740 Gran Bay Parkway West  
Suite 2140  
Jacksonville, Florida 32258  
CERTIFICATE OF AUTHORIZATION  
NO. 8132

NO	REVISION DESCRIPTION	BY	DATE	ENGINEER: --	PAGER #	RADIO #	PHONE #	ENGINEERING RECORD	BY	DATE
A	ISSUED FOR CSX RR PERMIT	JKB	12/MAR/19			4.16 kV	13.2 kV	26.4 kV	JKB	MAR/19
				SUBSTATION NAME				DRAWN BY:	JKB	MAR/19
				CIRCUIT NUMBER/S				DESIGNED BY:	JKB	MAR/19
				SWITCH MAP NUMBER/S				CHECKED BY:		
				OVERHEAD MAP NUMBER/S				APPROVED BY:		
								APPROVED FOR CONST BY:		

**DINSMORE SUBSTATION  
FIBER OPTIC BUILD - CSX PERMIT  
ENLARGED PLAN & CONSTRUCTION NOTES**

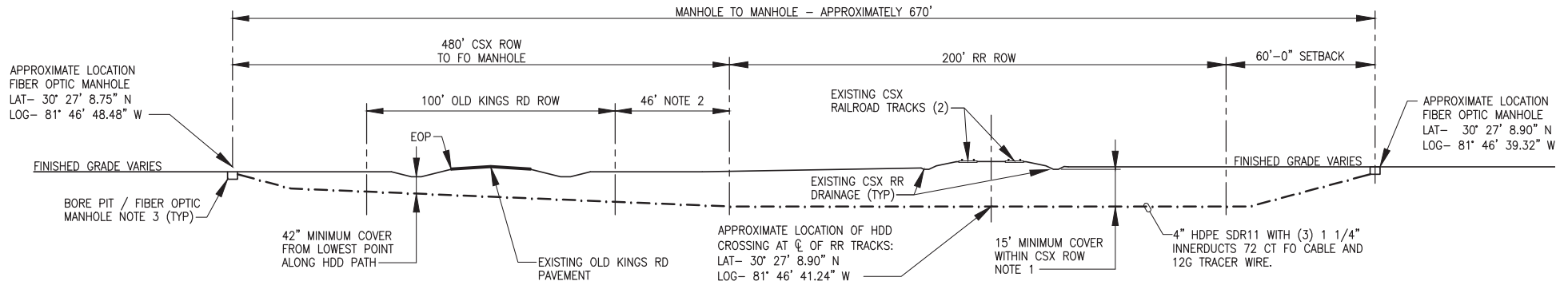
DWG SCALE:

AS INDICATED

**JEA**  
BUILDING COMMUNITY  
JACKSONVILLE, FLORIDA

TECHNOLOGY  
SERVICES

PROJ PHASE  
0052  
PROJ NO.  
400631  
DRAWING NO.  
E1-2  
SHEET CNT  
4 OF 5



### SECTION A-A - HDD INSTALLATION CROSSING CSX AND OLD KINGS ROAD

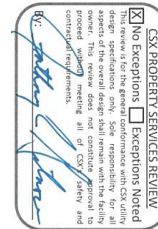
SCALE: 1" = 40'-0"

#### LEGEND

- RIGHT OF WAY OR EASEMENT
- PROPERTY BOUNDARY
- AERIAL FIBER OPTIC CABLE
- UNDERGROUND FIBER OPTIC CABLE IN CONDUIT
- HDD INSTALLATION ROUTE
- SURFACE WATER LINE
- NMH FIBER OPTIC MANHOLE (30" X 60" X 30")
- EXISTING TRANSMISSION POLE/STRUCTURE

#### SECTION NOTES:

- COVER DEPTH WITHIN CSX PROPERTY TO BE DETERMINED BY LOWEST ELEVATION ALONG PATH.
- DISTANCE BASED ON HDD ROUTE LOCATION WITHIN PROPERTY ADJACENT TO CSX ROW AND OLD KINGS RD ROW.



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				SUBSTATION NAME					JKB	MAR/19
				CIRCUIT NUMBER/S						
				SWITCH MAP NUMBER/S						
				OVERHEAD MAP NUMBER/S						

**DINSMORE SUBSTATION  
FIBER OPTIC BUILD - CSX PERMIT  
ENLARGED SECTION AND NOTES**

DWG SCALE: **JEA** TECHNOLOGY SERVICES  
AS INDICATED BUILDING COMMUNITY JACKSONVILLE, FLORIDA

PROJ PHASE  
0052  
PROJ NO.  
400631  
DRAWING NO.  
E1-3  
SHEET CNT  
5 OF 5