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Jacksonville, FL 32202
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Eric Horton
Contract Specialist

January 9, 2019

Agreement No.: CSX057906
Site Location No.: CSX057906020

Elizabeth A. Dimeo
JEA
21 W. Church Street
Jacksonville, FL 32202

Dear Elizabeth A. Dimeo,

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

Agreement Date:	December 9, 2016	Location:	Jacksonville, Duval, FL Milepost S-625.16 Division Jacksonville Subdivision Kingsland
Application Date:	January 3, 2019	Facility:	Subgrade HDD - Install 18in HDPE SDR11 or better casing at a minimum depth within railroad right-of-way of 25ft below tracks and grade.

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

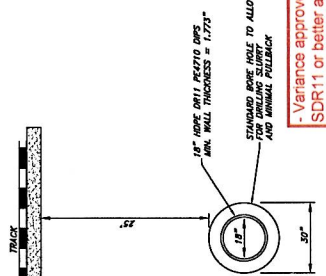
CSX Transportation (CSX) General Notes (Horizontal Directional Drill (HDD)):

- 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.

CARRIER/CASING PIPE DETAILS	
CARRIER PIPE	
PIPE MATERIAL	HOPE DRY FLEX10 DIPS
MATERIAL SPECIFICATION & GRADE	HOPE DRY FLEX10-15 DIPS/MS
SPECIFIED MINIMUM YIELD STRENGTH	35,000 PSI, ASTM F1462
NOMINAL SIZE OUTSIDE DIAMETER (INCHES)	18.60 INCH
PIPE THICKNESS (INCHES)	1.773 INCH
TYPE OF JOINTS	NOSE FLANGED
TUNNEL LINER PLATES REQUIRED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CORROSION PROTECTION:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
PROTECTIVE COATING:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
PIPE TENSILE SUPPORT ROP REQ'D:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

if contents are under pressure shut off valves are required; no further than 2,000 feet from centerline of nearest track

- **CSK GENERAL NOTES:**
 - ALL FOR ALL LIQUID OR GAS INSTALLATIONS, OR FOR NOMINAL MINIMUM COVER (MEASURED FROM BASE-OF-RAIL TO TOP-OF-PIPE) SHALL BE TWENTY (20) FEET, REGARDLESS OF PRODUCT, CSK HAD GUIDELINE SPECS. PAGE 1, 3).
 - ALL PIPELINE DESIGN AND SPECS, SPECIAL CONSIDERATION WILL BE GIVEN FOR EACH INSTALLATION METHOD WHERE THE DEPTH OF COVER IS SUBSTANTIAL, 15 FEET OR GREATER, OR IF THE BORE IS IN ROAD. CSK HAD GUIDELINE SPECS. PAGE 3, 4.1.2, A).
 - ALL PIPELINE DESIGN AND SPECS, SPECIAL CONSIDERATIONS FOR HORIZONTAL DIRECTIONAL DRILLING (HDD) UNDER THE PROPERTY AND TRACKS) OF CSK TRANSPORTATION, INC. FOR ADDITIONAL CONSTRUCTION GUIDELINES.



- Variance approved to allow for casing pipe material of HDD SDR11 or better approved provided that utility encroachment within railroad R/W maintains depth of 25ft or greater below tracks and grade
- CSX's consent of omitting an outer casing pipe is exclusive to this project and shall not mean or intend to communicate that CSX will waive future requirements that do not satisfy CSX's D&C Standard Specifications for Pipeline Occupancy.

