

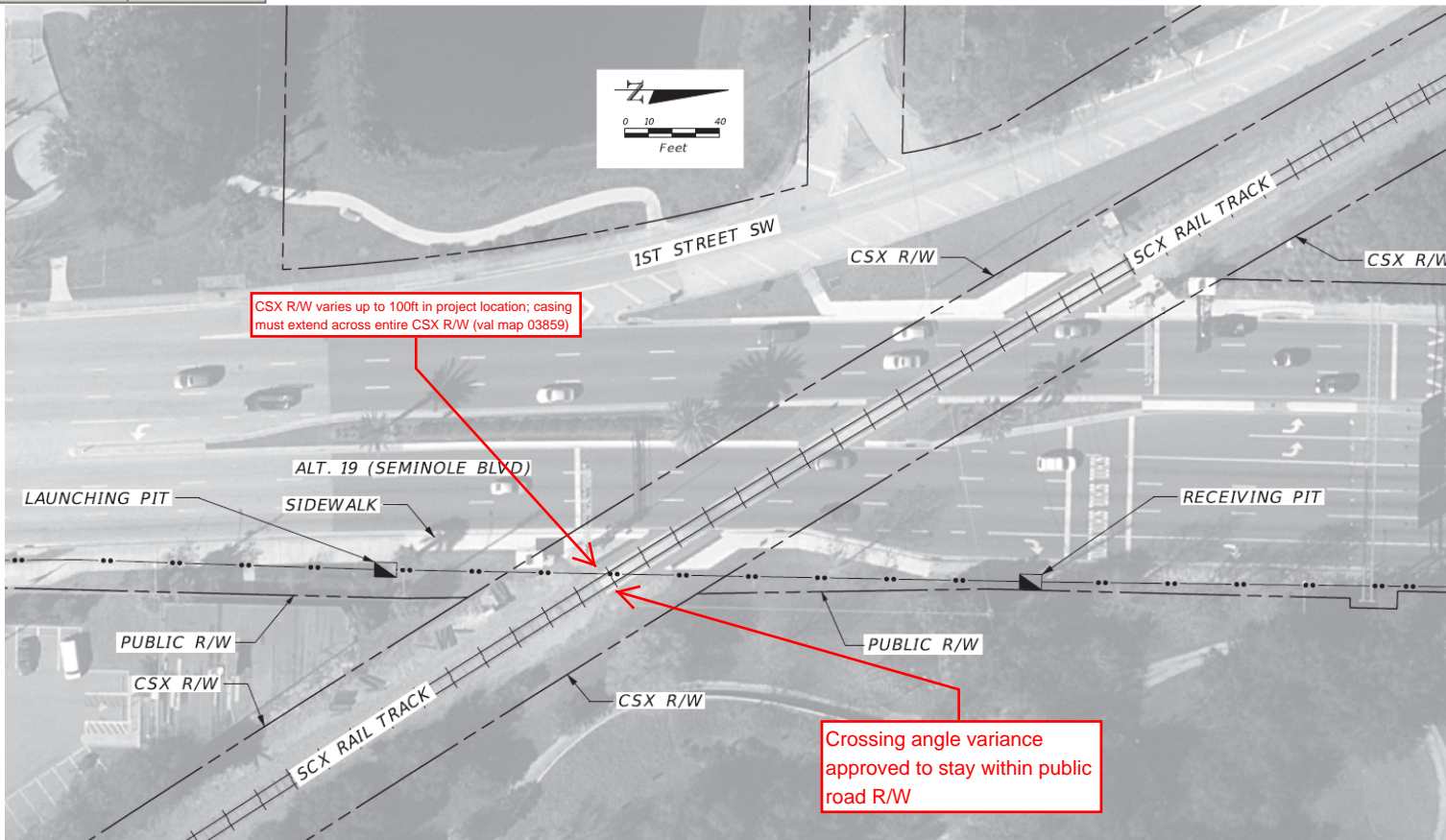
Print Form Reset Form

NOTES:

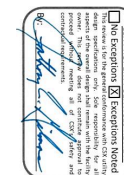
PID 000197A
(PINELLAS COUNTY)
CSX MILE POST

The project requires a directional bore beneath the CSX railroad. The total bore length is 283' running from south to north on the east side of the roadway at CSX Mile Post ARE 885.03. The directional bore runs through the CSX R/W for a length of 92' at a skew of approximately 32.6 from the centerline of the track.

At no time will the contractor impede the flow or operation of the CSX system. A directional drill locator will be on CSX right of way during the drilling process. The directional drill shall be a minimum of 15' below railroad tracks and tracked constantly with location and depth marked every 10'.



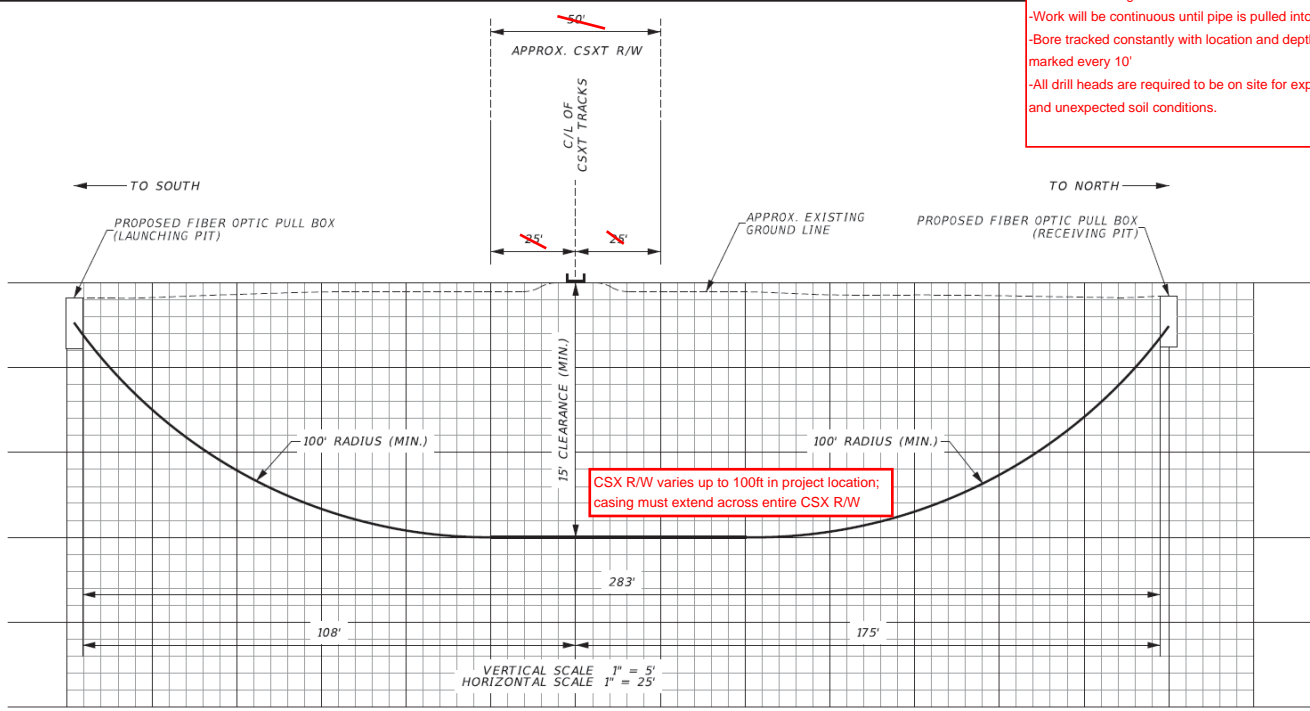
Location:	Largo, Florida		
Latitude:	27 54' 54.98"N		
Longitude:	82 47' 16.08"W		
Drawing No.:	Cover Sheet	Sheet	1 of 2
Drawing Date:	Feb 1, 2018	Last Revised:	
Drawing Scale:	1 Inches =	40 Feet	



CSX PROPERTY SERVICES REVIEW
 No Exceptions Exceptions Noted
 This review is for the general conformance with CSX utility aspects of the overall design shall remain with the utility owner. This review does not constitute approval to construct or install any of CSX's utility and

General Notes:
 -Casing pipe ends must be sealed to prevent entrance of foreign materials.
 -Work will be continuous until pipe is pulled into place.
 -Bore tracked constantly with location and depth marked every 10'
 -All drill heads are required to be on site for expected and unexpected soil conditions.

NOTES:
 REFER TO HDD INTERIM GUIDELINES AND ENGINEERING SPECIFICATIONS IN THE APPLICATION PACKAGE FOR ADDITIONAL INFORMATION AND GUIDANCE.
 LOCATE CSX'S SIGNAL FACILITIES AND/OR WARNING DEVICES AT PROPOSED FACILITY CROSSING LOCATION, I.E. CANTILEVERS, FLASHERS, GATES AND SHOW CLEARANCES.
 CASING PIPE ENDS MUST BE SEALED TO PREVENT ENTRANCE OF FOREIGN MATERIALS.
 IF APPLICABLE, HDPE DR 11 OR BETTER MUST BE USED.
 YOUR DRAWING MUST SHOW ALL SETS OF TRACKS PRESENT AT THE PROPOSED UTILITY CROSSING LOCATION.
 CSX BORE PLAN TEMPLATE AND FRACTION MITIGATION PLAN TO BE SUBMITTED TO CSX FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.



LEGEND		WIRE/CABLE DETAILS		
Letter	Description	Type:		
(a)	Distance from centerline of track to CSX R/W	<input type="checkbox"/> Electric <input checked="" type="checkbox"/> Communications		
(b)	Distance from base-of-rail to top-of-casing	<input type="checkbox"/> Cable TV <input type="checkbox"/> Other Describe: _____		
(c)	Distance from base-of-ditch to top-of-casing	Conductor Material(s): <input type="checkbox"/> Aluminum/Copper		
(d)	Total length of pipe on CSX R/W	<input checked="" type="checkbox"/> Fiber Optic <input type="checkbox"/> Other Describe: _____		
(e)	Distance from centerline of nearest track to face of pits at a 90 degree angle to the track(s)	Wire/Cable 1	Wire/Cable 2	Wire/Cable 3
(f)	Theoretical Embankment Line: Starts 12' from centerline of track and extends away from track at a slope of 1.5' over and 1' down	Fiber Cable Count: 144		
(g)	Innerduct Diameter	Wire Size/Pair:		
(h)	Casing/Conduit Diameter	Voltage:		
(i)	Depth of Launching/Receiving Pit	If options above not applicable, describe:		
		Number of Phases (Electric Only):		
		CASING PIPE DETAILS		
		Pipe Material: HDPE (SDR 11 or better)	<div style="border: 2px solid red; padding: 5px;"> Proposal to install 4in HDPE SDR11 casing w/ 3 x 1in inner ducts (1 x 144ct fob & 2 x empties) </div>	
		Material Specifications & Grade: Schedule 40 - ASTM F2160		
		Specified Minimum Yield Strength: 3400 PSI		
		Nominal Size Outside Diameter (Inches): 4"		
		Wall Thickness (Inches):		
		Type of Seam:		
		Type of Joints:		
		Tunnel Liner Plates Required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		Temp. Track Support or Rip-Rap Req.: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Must Describe & Show on Drawing	



Location: Largo, Florida
 Latitude: N 27 : 54' : 54.98"
 Longitude: W 82 : 47' : 16.08"
 Drawing No.: Cross Section Detail Sheet: 2 of 2
 Drawing Date: 02 / 01 / 2018 Revised: / /
 Drawing Scale: V 1 Inches = 5 Feet
 Drawing Scale: H 1 Inches = 25 Feet