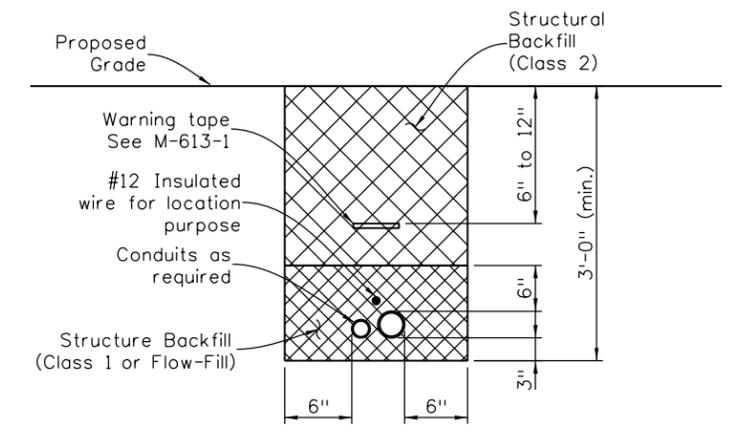
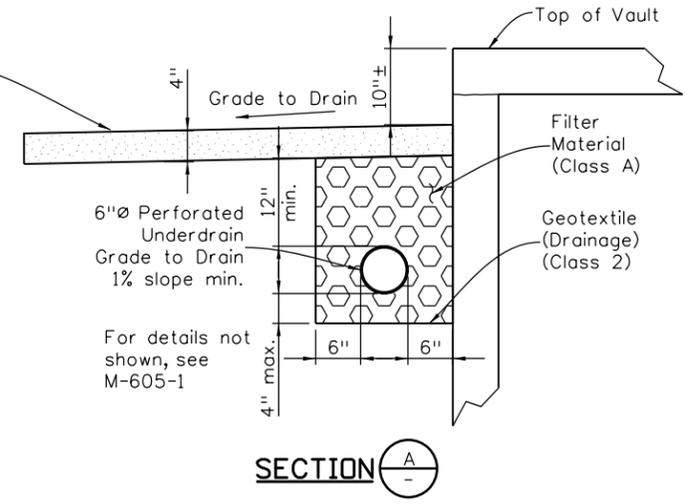


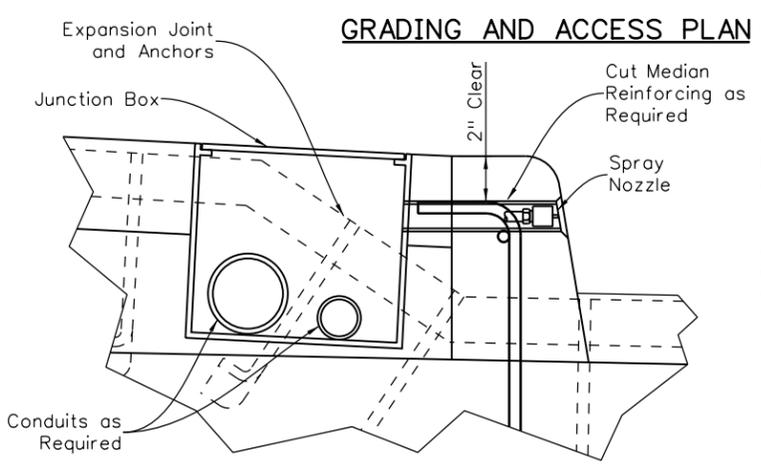
**DESIGNER/DETAILER:**

1. Check with Maintenance for preferred locations of vault.
2. Provide minimum 20'x20' "level" area around the anti-icing vault for refilling activities.
3. For bad drainage areas provide french drain system around vault and drain piping to low area. Quantities will need to be calculated and supplied in Roadway Quantities.
4. Have Geotech do a preliminary drilling if bedrock may be a concern.
5. Tanks that fit through 3' roof opening have a 220 gallon capacity. Max capacity for current layout is 1320 gallons (6 tanks). Revise Project Special Provision and Drawings for capacity required.
6. Revise grading and surfacing per Maintenance requirements. Quantities for surfacing will need to be calculated and supplied in Roadway Quantities.



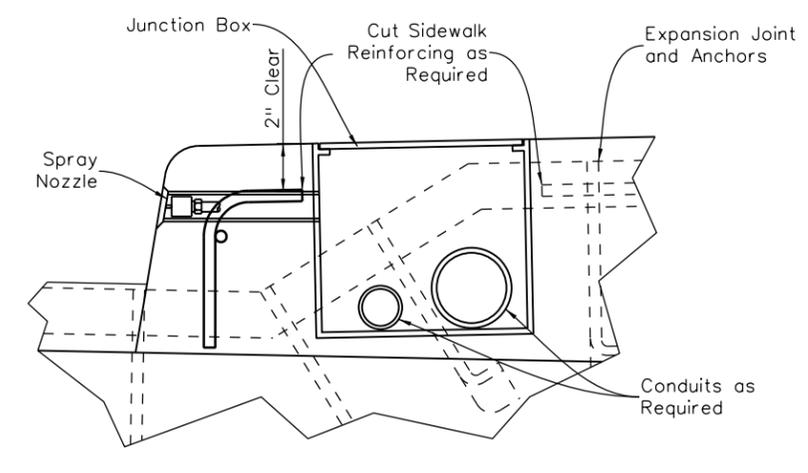
Structure Excavation, Trenching and Structure Backfill (Class 1, 2 or Flow-Fill) will not be paid for separately, but shall be included in the cost of the work.

**TRENCH DETAIL FOR SERVICE AND SIGNAL LINES BETWEEN VAULT AND BRIDGE**



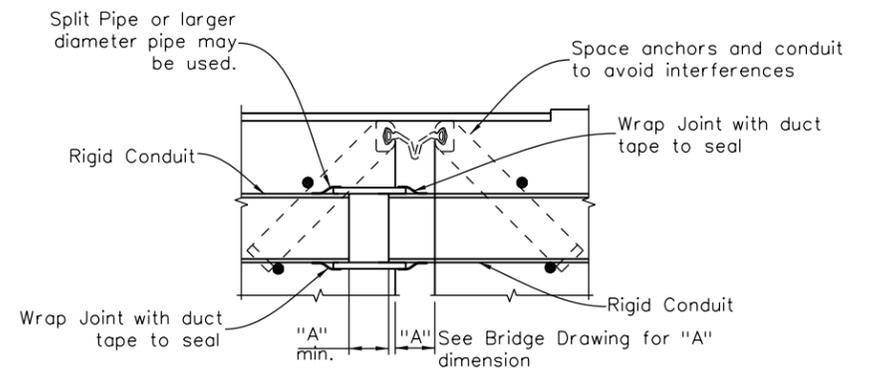
Note: Top of Junction Box shall be flush with top of sidewalk

**MEDIAN VALVE JUNCTION BOX ON BRIDGE**



Note: Top of Junction Box shall be flush with top of sidewalk

**SIDEWALK VALVE JUNCTION BOX ON BRIDGE**



**UTILITY CONDUIT DETAIL AT EXPANSION JOINT ON BRIDGE**

Revision Dates (Preliminary Stage Only)			
2/06	3/07	7/10	10/13

Design		Detail		Quantities	
INITIAL	DATE	INITIAL	DATE	INITIAL	DATE
XXX	MM/YY	XXX	MM/YY	XXX	MM/YY
Checked By	Checked By	Detailed By	Detailed By	Quantities By	Quantities By
XXX	MM/YY	XXX	MM/YY	XXX	MM/YY

Print Date: \$DATE\$
File Name: Sheet_B-614-3.dgn
Horiz. Scale: NTS      Vert. Scale: As Noted
Staff Bridge Branch - Unit 022X    Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

**Colorado Department of Transportation**

4201 East Arkansas Avenue  
Room 107  
Denver, CO 80222  
Phone: 303-757-9309 FAX: 303-757-9197

**Staff Bridge Branch**      **Initials**

<b>As Constructed</b>
No Revisions:
Revised:
Void:

ANTI-ICING SYSTEM GRADING PLAN & SAMPLE DETAILS			
Designer: XXXXXXXX	Structure Numbers	X-XX-XX	Project No./Code
Detailer: XXXXXXXX	Subset Sheets: ICE 3 of 4	X-XX-XX	
Sheet Subset: BRIDGE			Project Number
			Code
			Sheet Number

Project No./Code
Project Number
Code
Sheet Number