

# **APPENDIX 'D'**

## **SD-245-1**

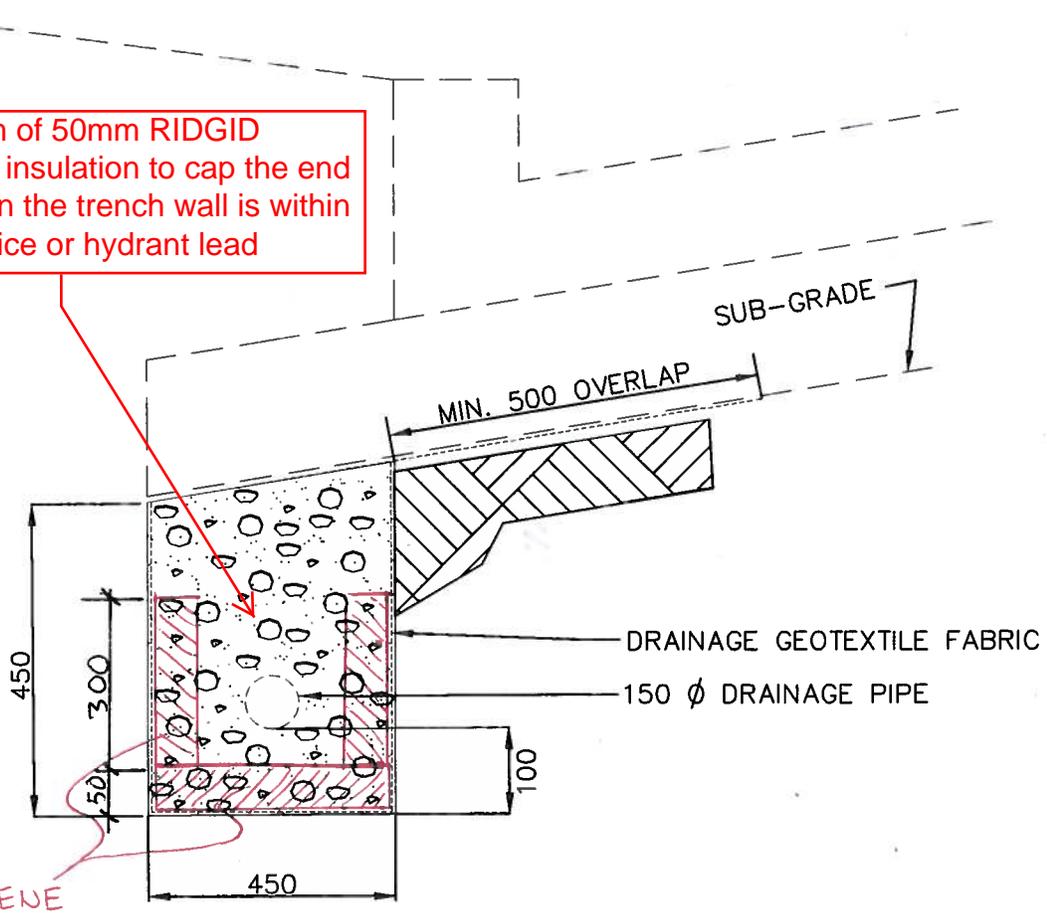
**WHERE CROSSING WATER SERVICES AND HYDRANT LEADS**

\* PROTECT INSULATION DURING INSTALLATION, TAKING CARE NOT TO DAMAGE DURING BACKFILL

\* The longitudinal extent for insulation comments will be 1m in each direction measured from the centerline of the water service or hydrant lead under the sub-drain.

\* If there are multiple water services or hydrant leads crossing under the subdrain run the insulation continuous to the centerline of the outer water service or hydrant lead and 1m out.

450mm x 350mm of 50mm RIDGID POLYSTYRENE insulation to cap the end trench walls when the trench wall is within 1m of water service or hydrant lead



50mm RIDGID POLYSTYRENE INSULATION

REFERENCE SPECIFICATIONS

1. CW-3110 SUB-GRADE, SUB-BASE AND BASE MATERIALS SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH SPECIFICATION CW-3110
2. CW-3120 INSTALLATION OF SUB-DRAINS SHALL BE IN ACCORDANCE WITH SPECIFICATION CW-3120
3. DRAINAGE GEOTEXTILE FABRIC AND DRAINAGE PIPE SHALL CONFORM TO "APPROVED PRODUCTS FOR SURFACE WORKS"

N.T.S.

DIMENSIONS IN MILLIMETRES

 <b>THE CITY OF WINNIPEG</b> PUBLIC WORKS DEPARTMENT	Revisions			
Reference Spec. No. CW 3110, CW 3120	1.	08.11.28	ADDED REFERENCE SPECIFICATION NOTES	T.G.A
SUBDRAIN INSTALLATION DETAIL	No.	Date	Description	By
	Designed By: B.P.	Drawn By: T.G.A	Scale : N.T.S.	
	Checked By:	Date: 08- 12- 15	Drawing No.	
	Approved:		SD-245-1	