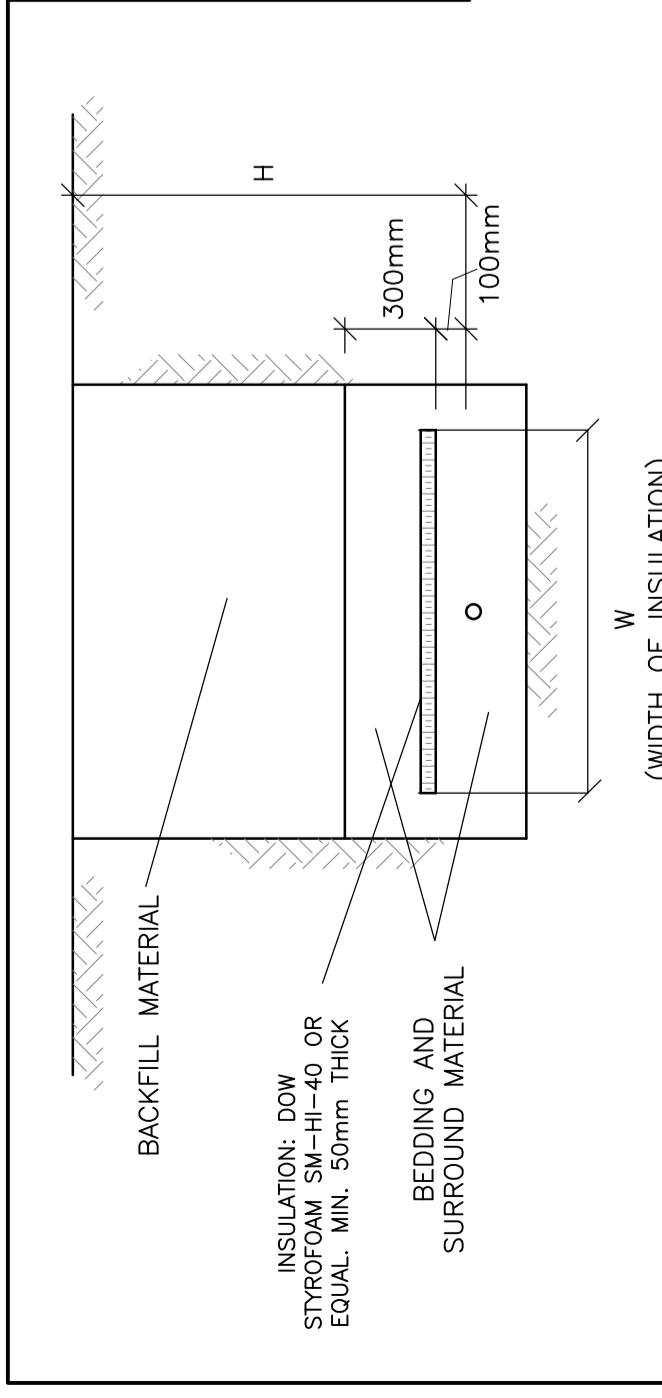


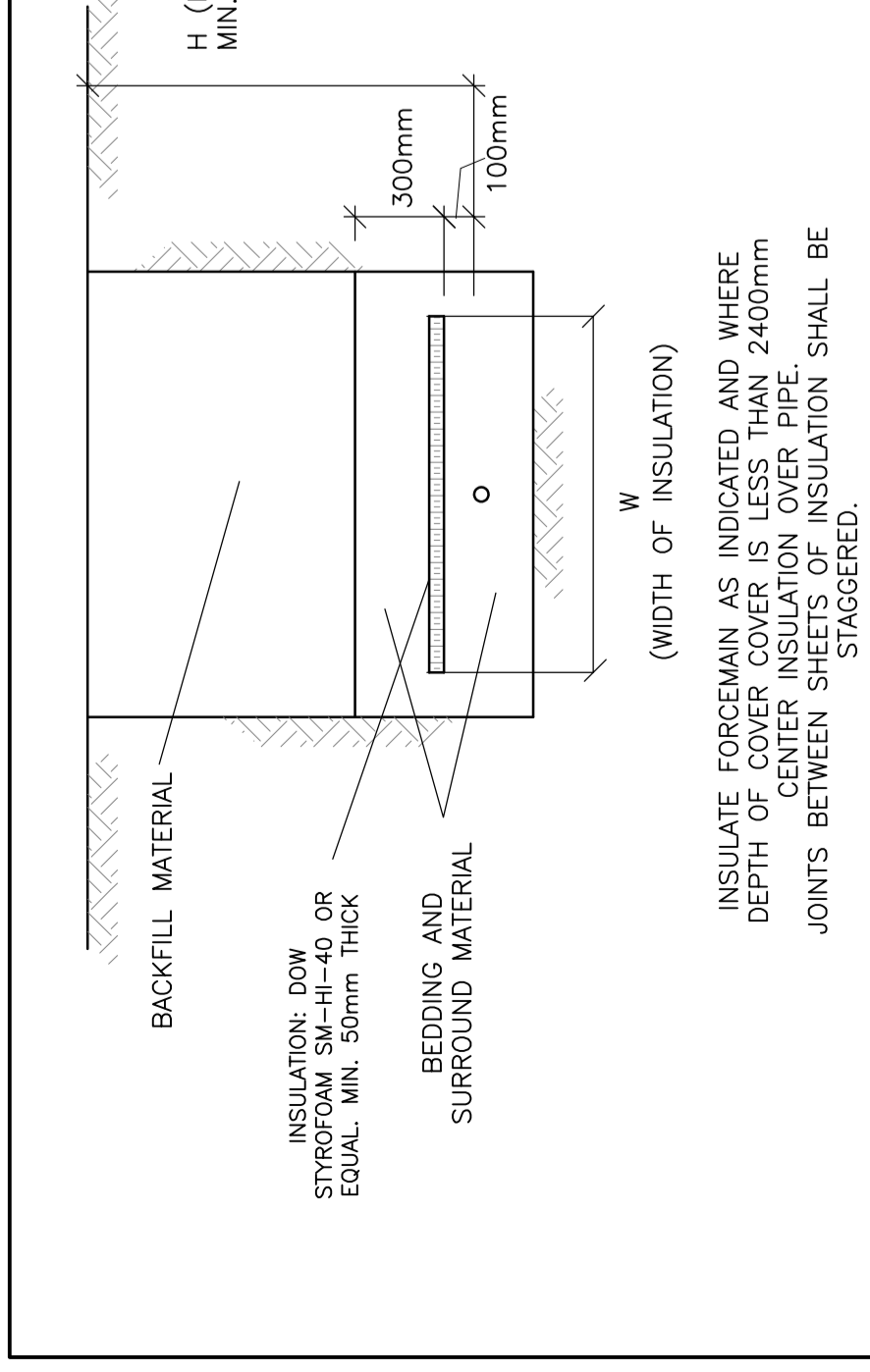
SECTION SWALE
N.T.S.



(WIDTH OF INSULATION)

INSULATE SEWER AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2400mm. CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

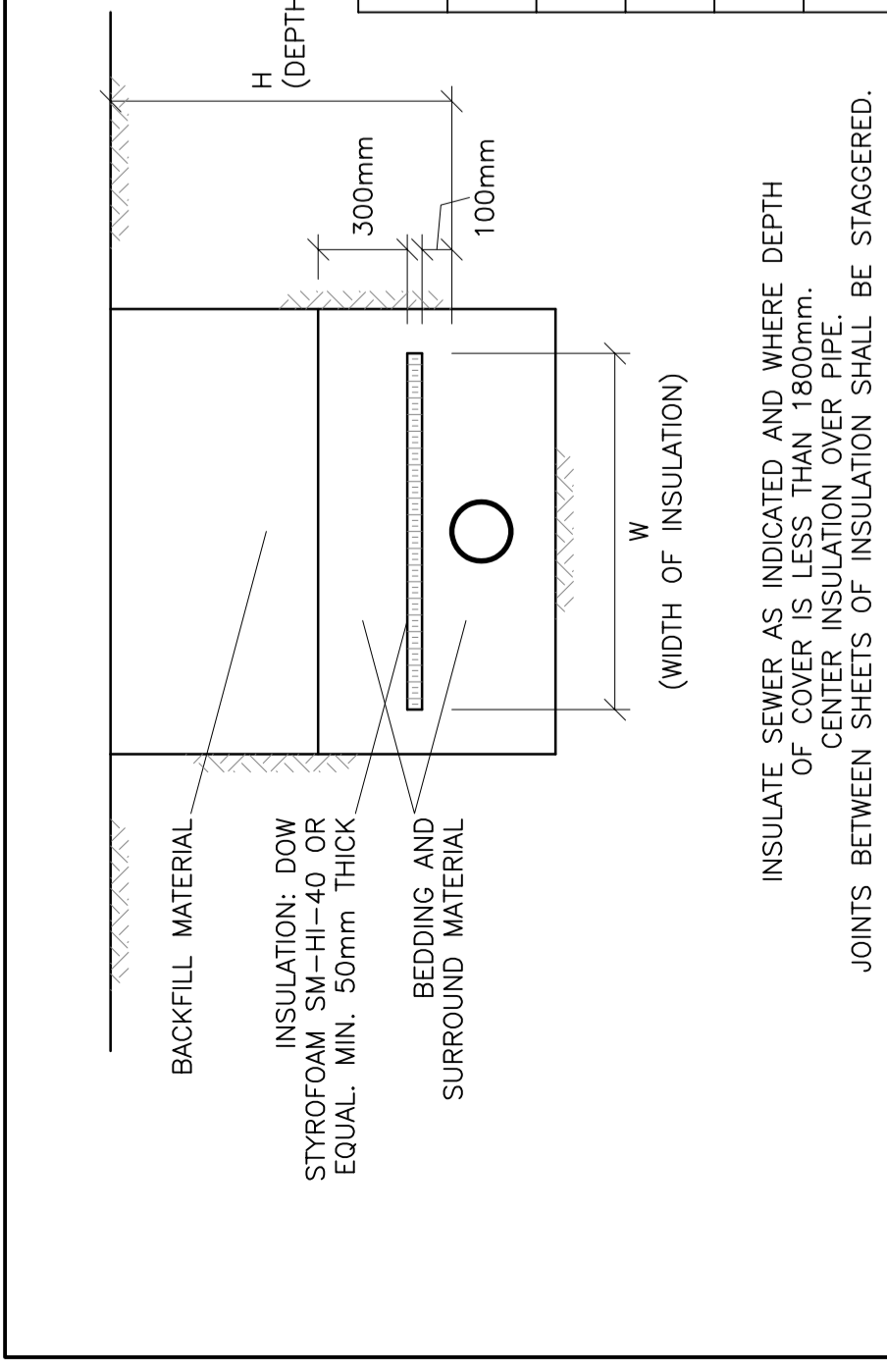
INSULATION OF WELL WATER LINE SHALLOW TRENCHES
N.T.S.



(WIDTH OF INSULATION)

INSULATE FORCEMAIN AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2400mm CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

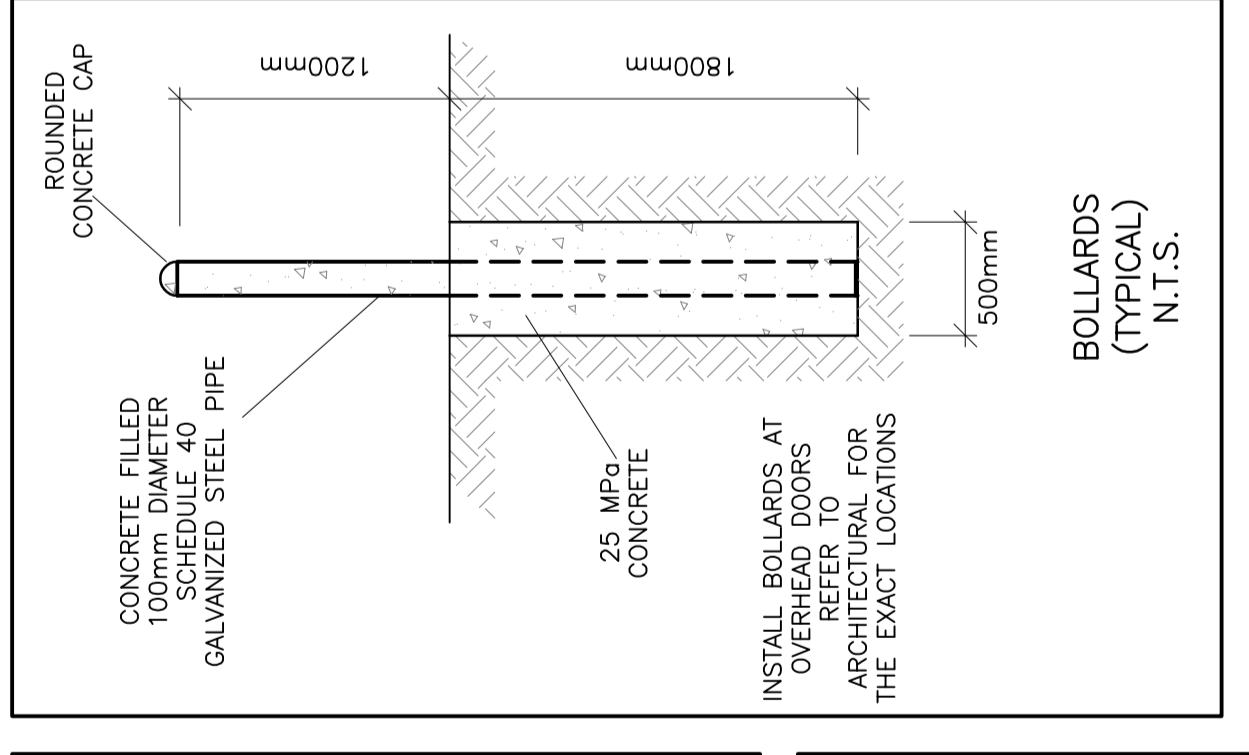
INSULATION OF SANITARY FORCEMAIN IN SHALLOW TRENCHES
N.T.S.



(WIDTH OF INSULATION)

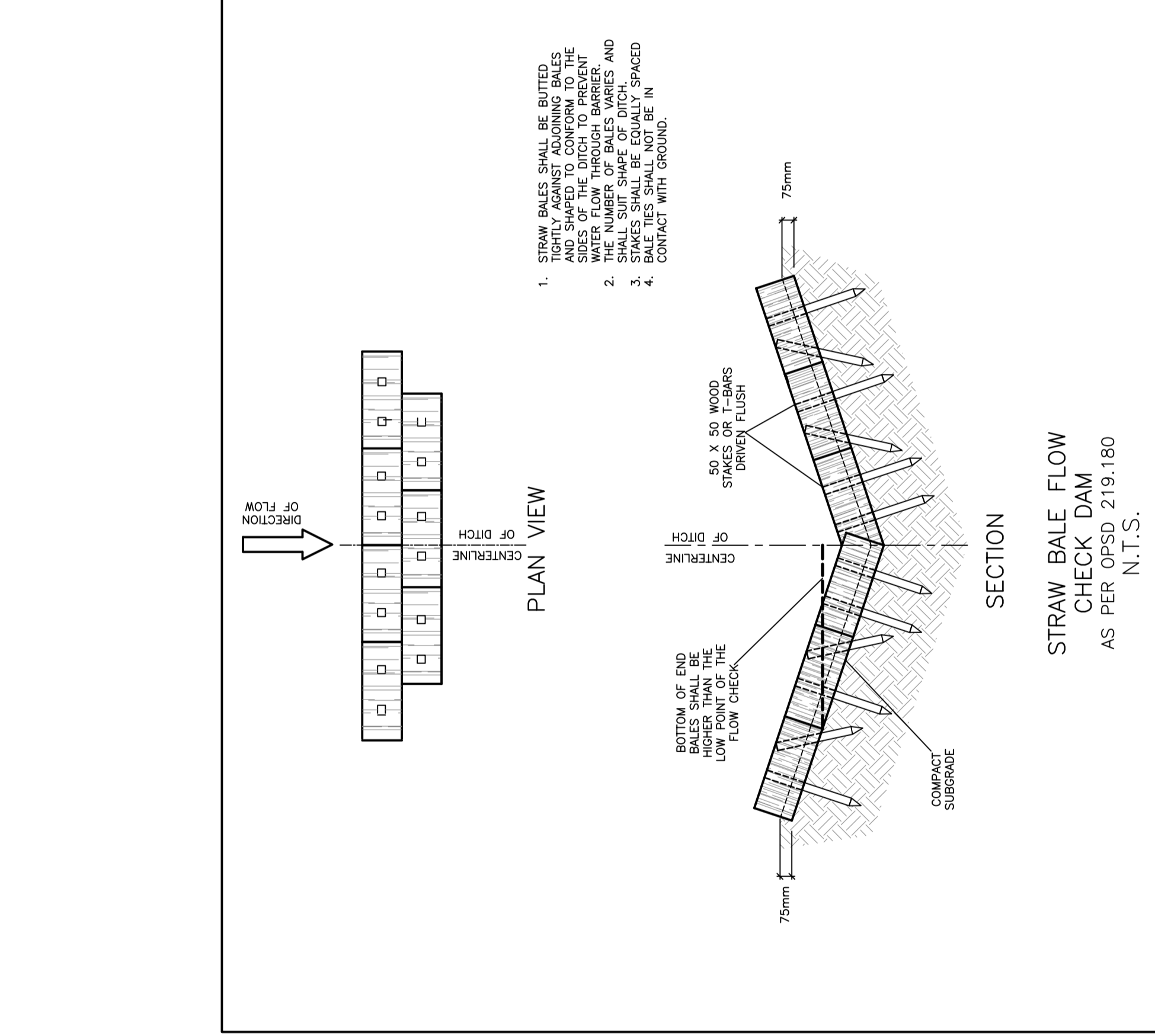
INSULATE SEWER AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2400mm. CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

INSULATION OF SEWERS IN SHALLOW TRENCHES
N.T.S.

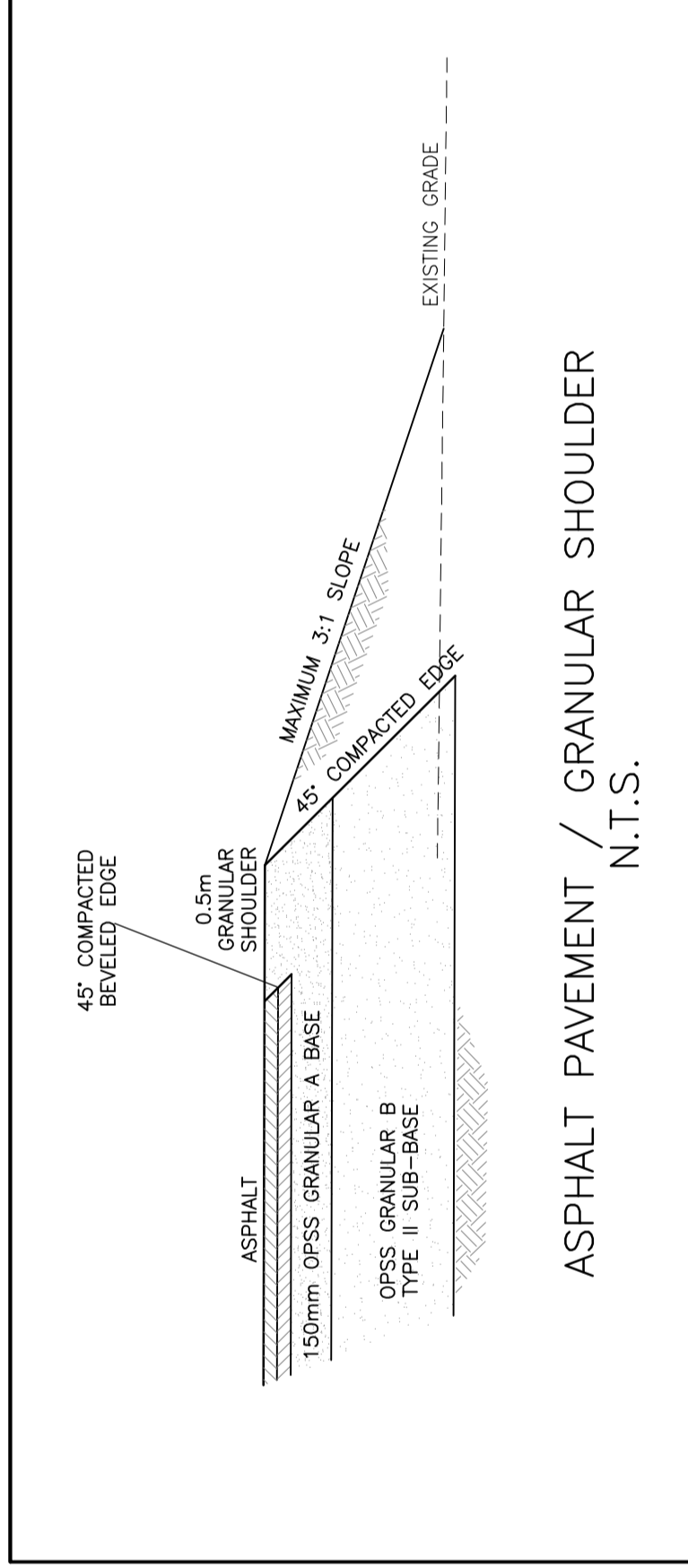


BOLLARDS (TYPICAL)
N.T.S.

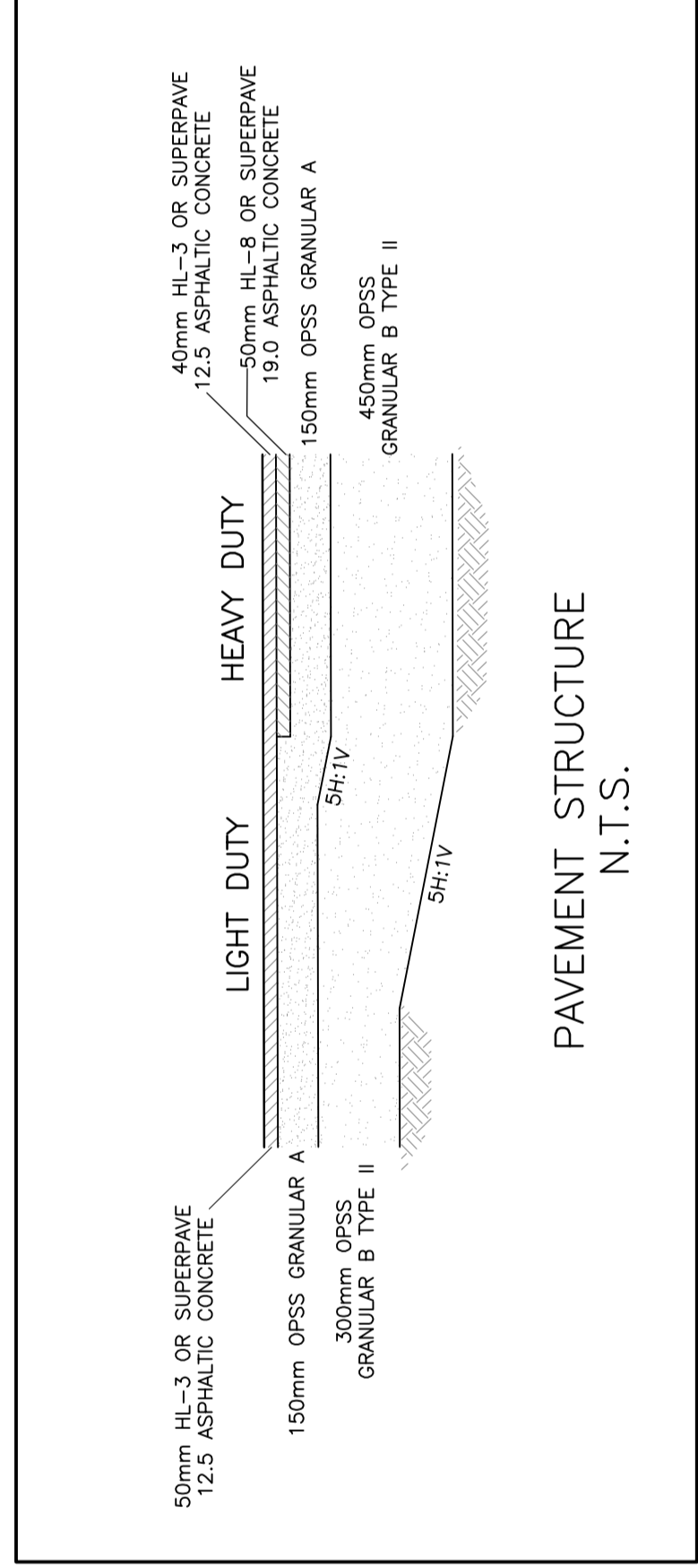
H (DEPTH OF COVER)	INSULATION THICKNESS	W (WIDTH OF INSULATION)
1800 TO 2400mm	50mm	1200mm
1500 TO 1800mm	75mm	1800mm
1200 TO 1500mm	100mm	2400mm



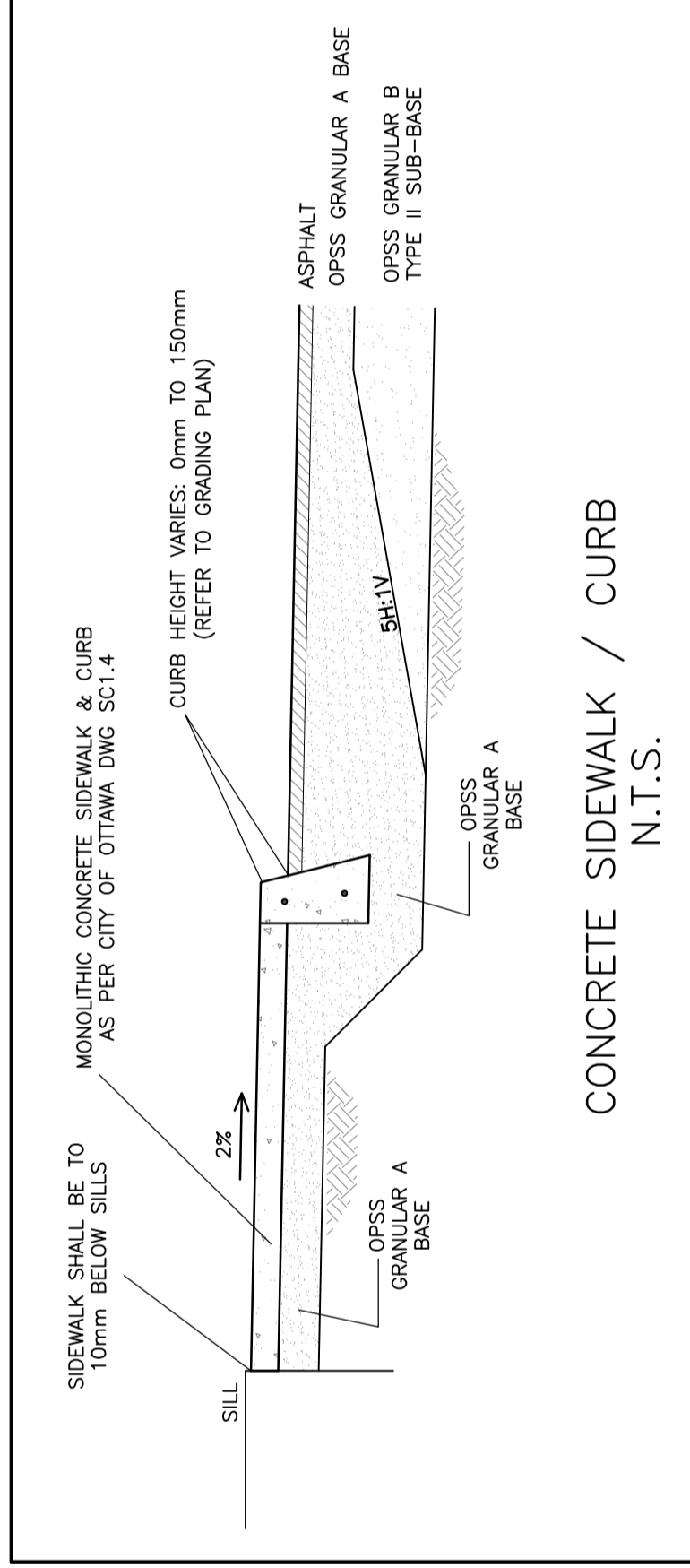
STRAW BALE FLOW CHECK DAM
AS PER OPSD 219.180
N.T.S.



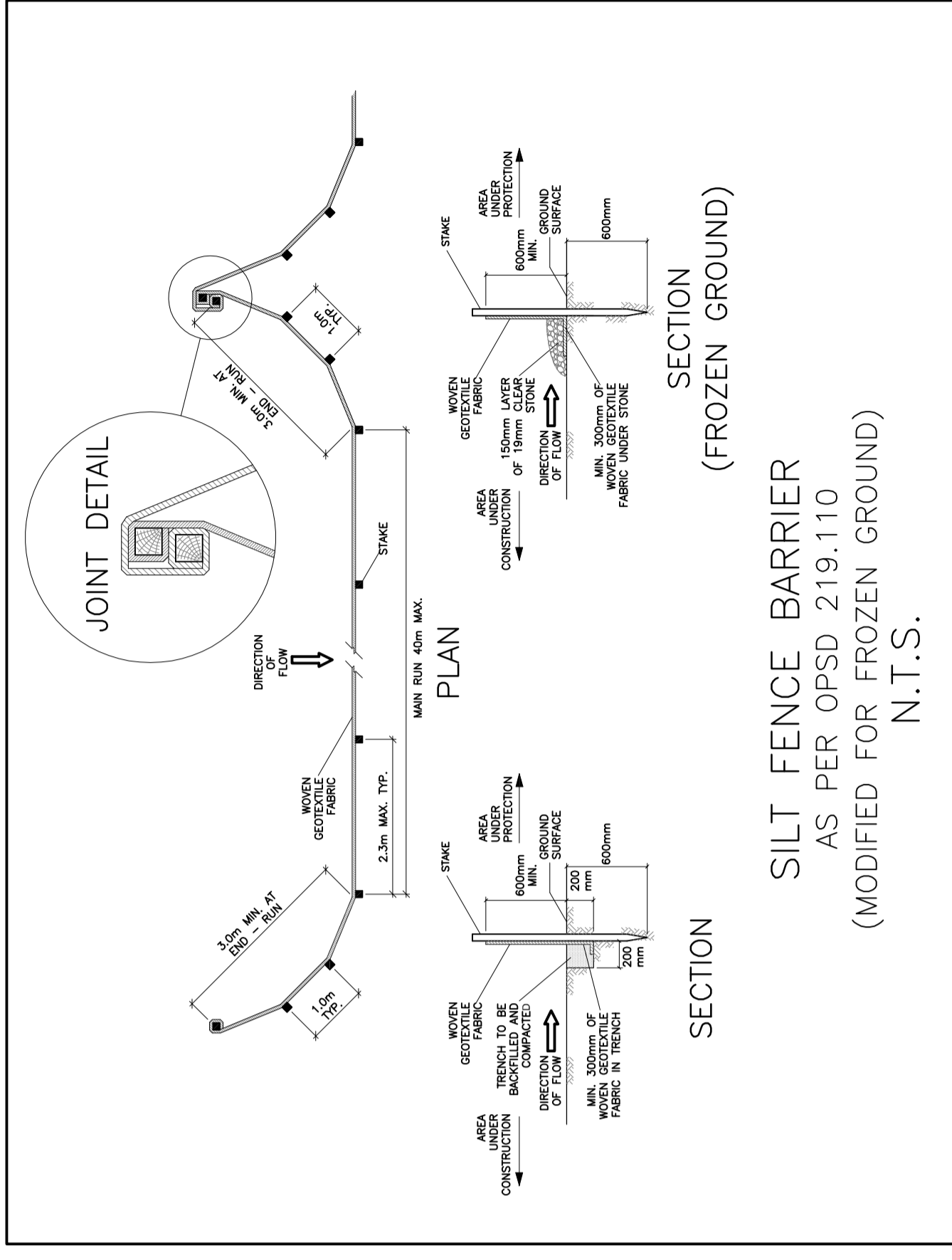
ASPHALT PAVEMENT / GRANULAR SHOULDER
N.T.S.



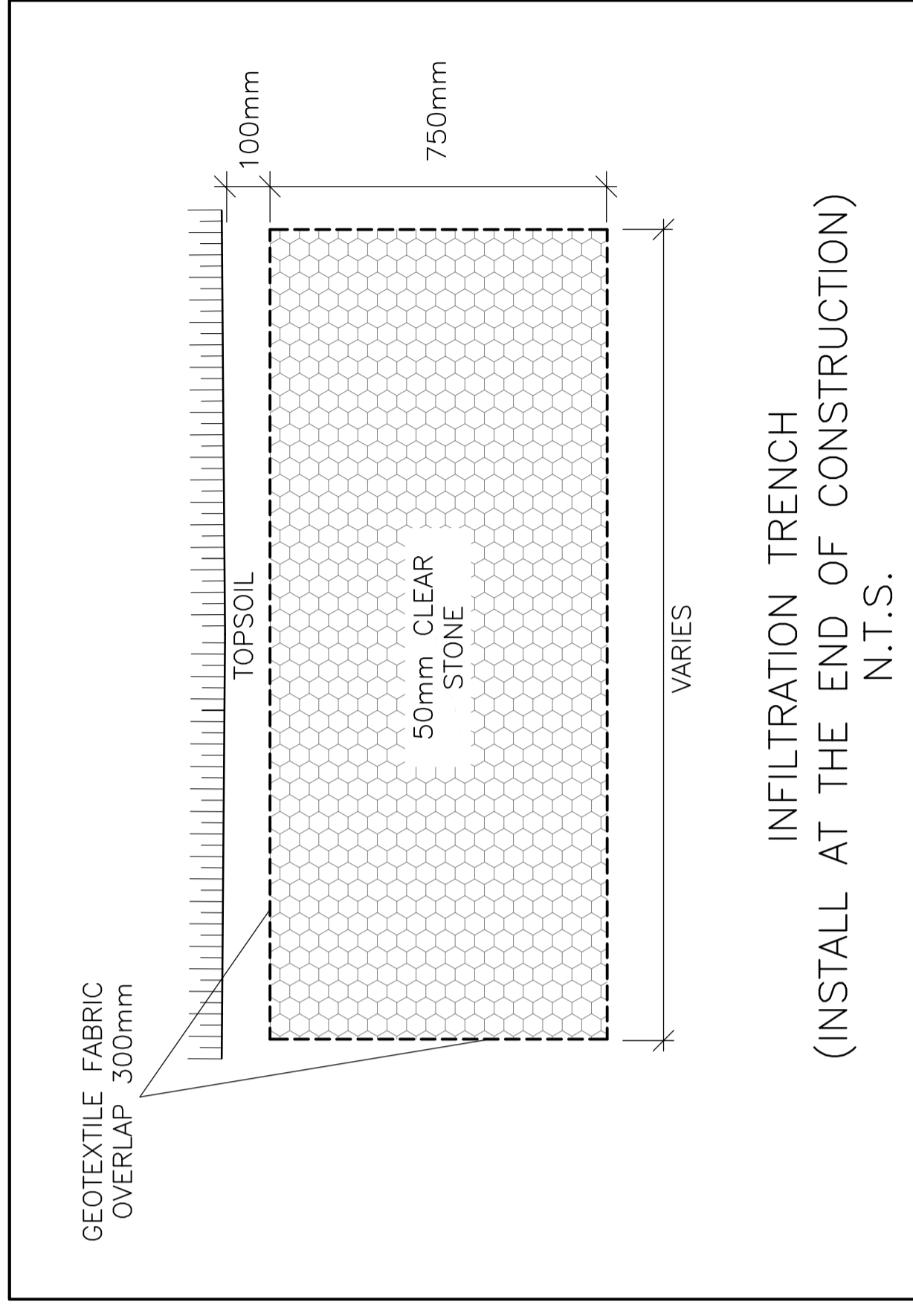
PAVEMENT STRUCTURE
N.T.S.



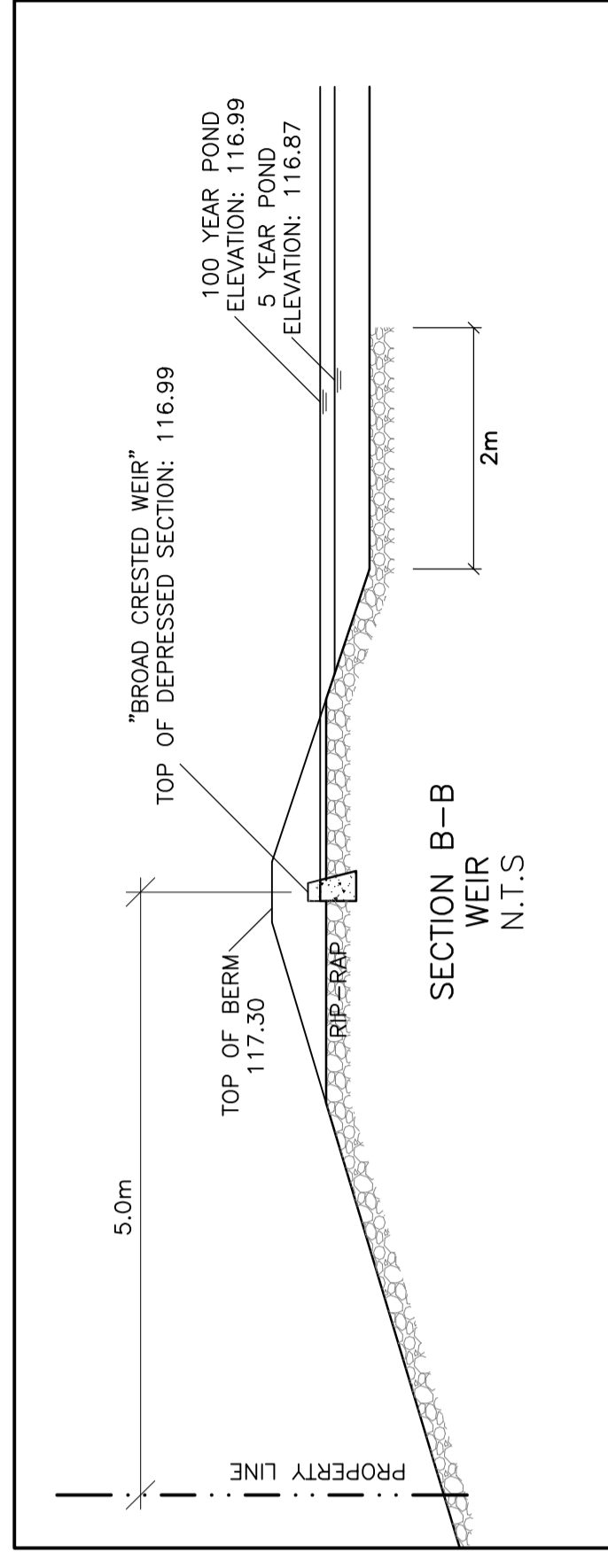
CONCRETE SIDEWALK / CURB
N.T.S.



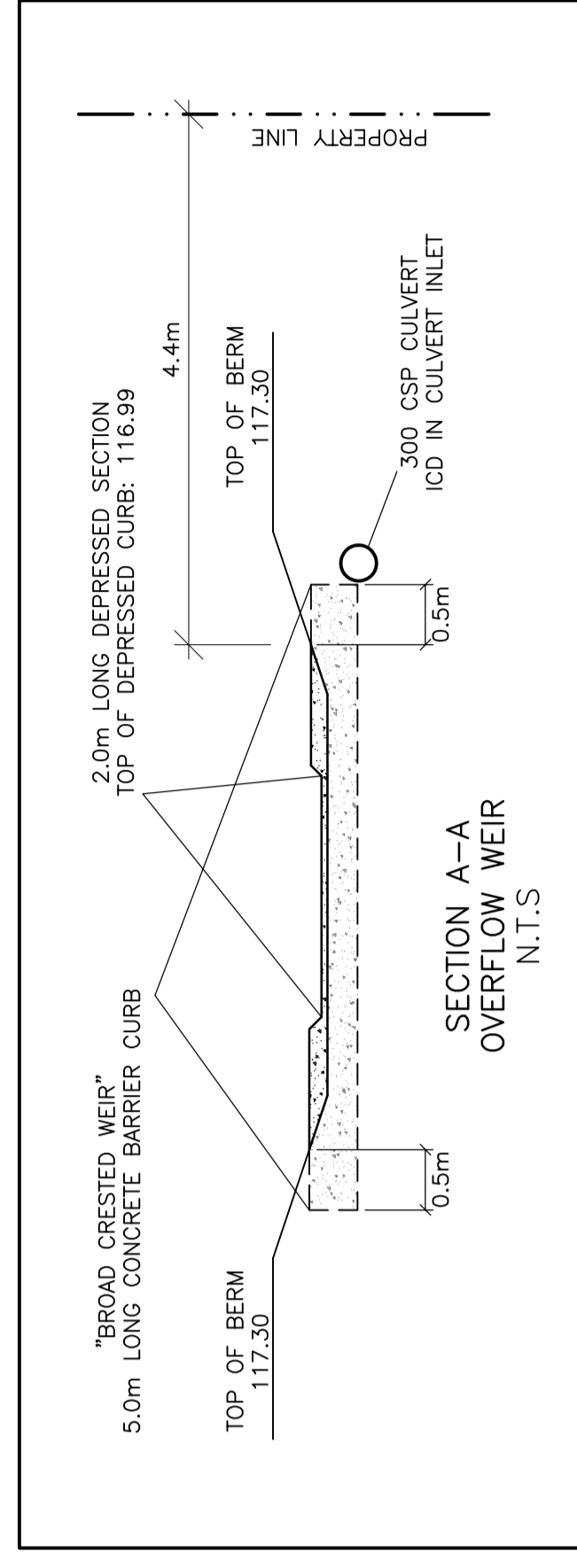
SILT FENCE BARRIER
AS PER OPSD 219.110
(MODIFIED FOR FROZEN GROUND)
N.T.S.



INFILTRATION TRENCH
(INSTALL AT THE END OF CONSTRUCTION)
N.T.S.

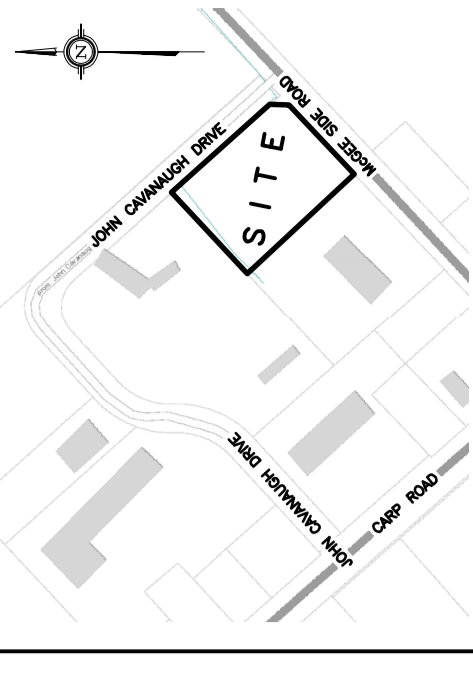


SECTION B-B
WEIR
N.T.S.



SECTION A-A
OVERFLOW WEIR
N.T.S.

KEY PLAN



No.	DATE	REVISION
4	JUN 14-21	RE-ISSUED FOR APPROVAL
3	APR 22-21	ISSUED FOR BUILDING PERMIT
2	MAR 12-21	ISSUED FOR APPROVAL
1	JAN 27-21	ISSUED FOR REVIEW & COORDINATION

D. B. GRAY ENGINEERING INC.
700 Long Point Circle
Ottawa, Ontario
4gray@dbgrayengineering.com
613-425-8044

**CLS ROOFING LTD
OFFICE & WAREHOUSE
2167 MCGEE SIDE ROAD
OTTAWA, ONTARIO**

DETAILS

Engineer's Seal
D.B. GRAY
700 LONG POINT CIR
OTTAWA, ONTARIO
K1H 8L9
O.C. 1998-01-01
O.C. 2008-01-01

Drawn: D.B.G.
Checked: J.L.S.
Horz. Scale: 1:250
Vert. Scale: 1:250
Date: NOV 18-20
Rev. No.: 200808

Drawing No. **C-4**
of **6**

#18432

NOT VALID UNLESS SIGNED & DATED