

'X' TO NEXT STRUCTURE

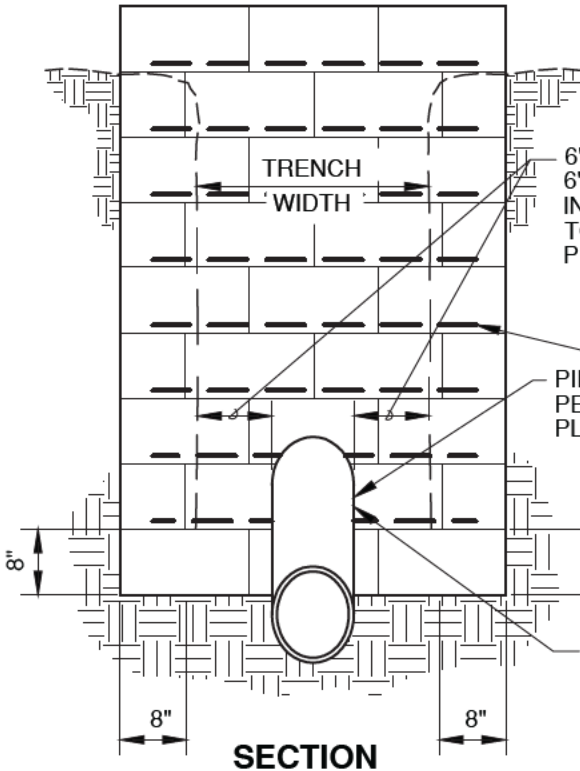
CMU BLOCKS LAID TIGHT AS POSSIBLE TO DOWNSTREAM PORTION OF NOTCH INTO ORIGINAL GROUND

8" MIN. 8" MIN.

8"

TRENCH WIDTH
PLAN

'X'



SECTION

6" MIN. - 8" MAX.
6" TO 12" PIPE
INCLUSIVE, 6" MIN.
TO 10" MAX. 15"
PIPE & ABOVE

PIPE
PER
PLAN

CAST IN PLACE REINFORCED
CONCRETE #4 @ 12" O.C.
EACH WAY CONCRETE OR
8' x 8" x 16" CMU W/ NO. 9
LADDER TYPE
REINFORCEMENT,
FILL BLOCK
CORES W/GROUT

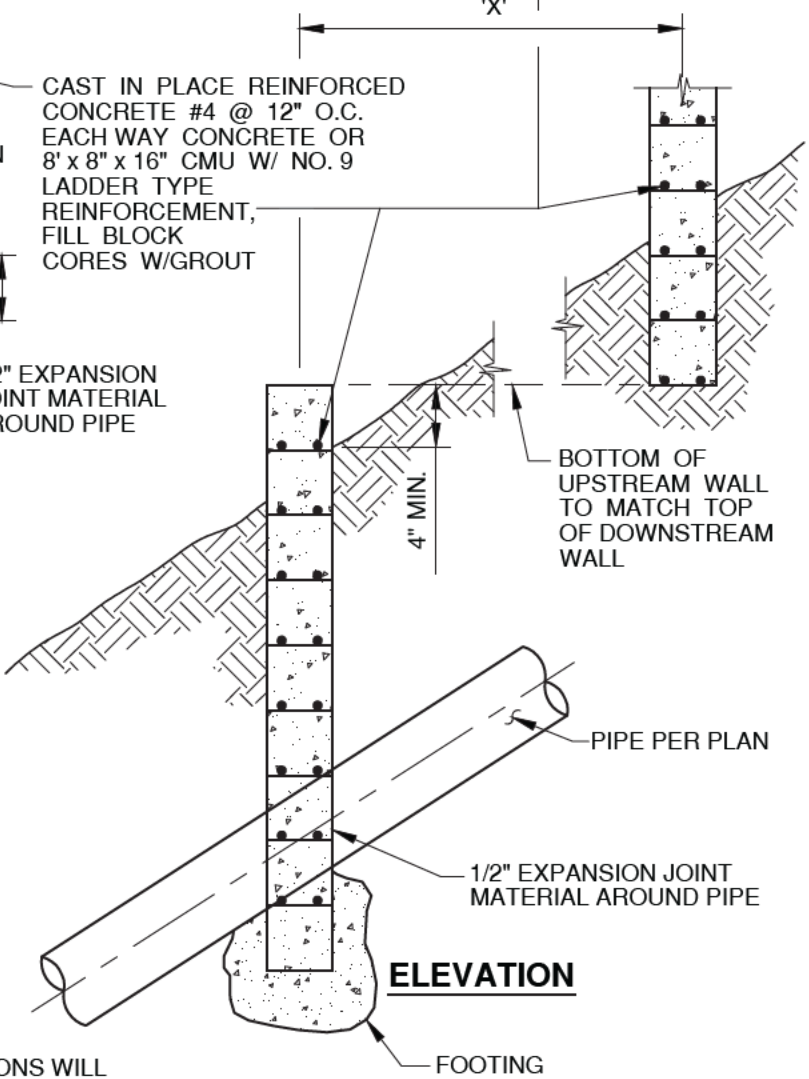
1/2" EXPANSION
JOINT MATERIAL
AROUND PIPE

BOTTOM OF
UPSTREAM WALL
TO MATCH TOP
OF DOWNSTREAM
WALL

PIPE SLOPE	'X'-MAX DISTANCE
15-20%	45'
20-25%	35'
25-30%	30'
30-40%	20'
>40%	CONSULT DISTRICT

NOTES:

1. PIPE ANCHORS REQUIRED ON ALL SLOPES OF 15% OR GREATER.
2. ANCHOR SHALL EXTEND 8" MIN. INTO NATURAL UNDISTURBED SOIL.
3. CONCRETE SHALL BE 450-C-2000
4. ANCHORS FOR TRAPEZOIDAL TRENCH SECTIONS WILL CONFORM TO TRENCH CROSS SECTION AND EXTEND 8" MIN. IN TO UNDISTURBED SOIL.



ELEVATION

PIPE PER PLAN

1/2" EXPANSION JOINT MATERIAL AROUND PIPE

FOOTING

APPROVED:
Wally Paul 5/16/19
District Engineer Date
5/16/2019
Latest Revision Date

VALLEY CENTER MUNICIPAL WATER DISTRICT
STANDARD DRAWING

STANDARD CUTOFF WALL

NOT TO SCALE
DWG. NUMBER
W-29