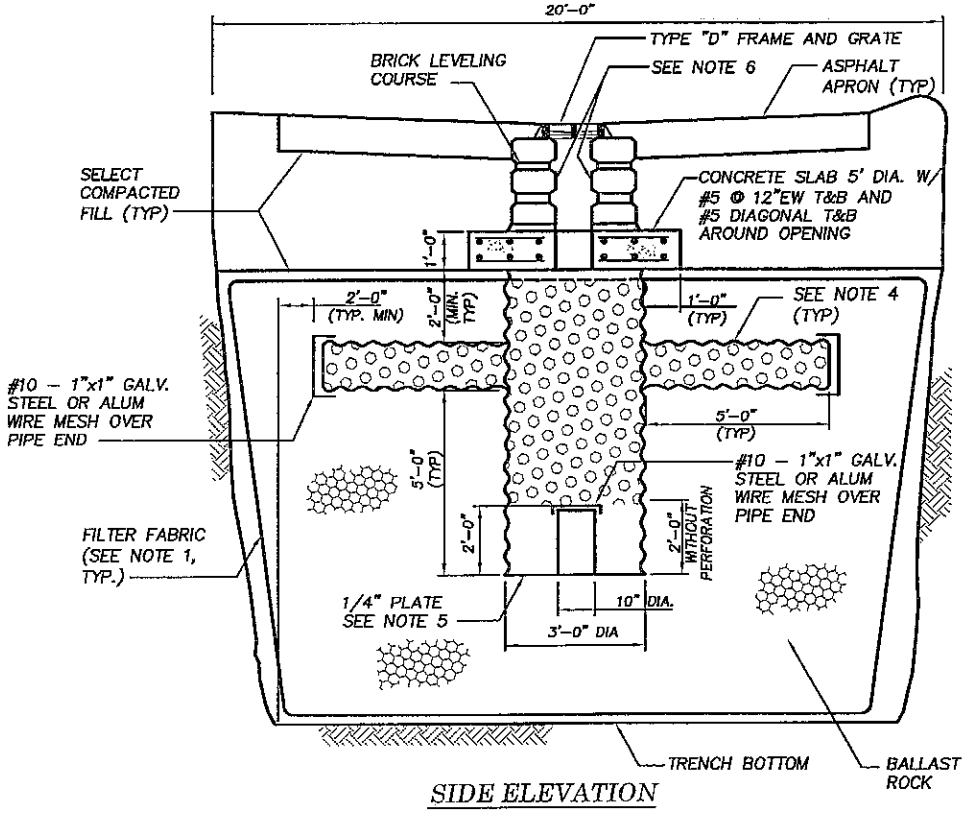
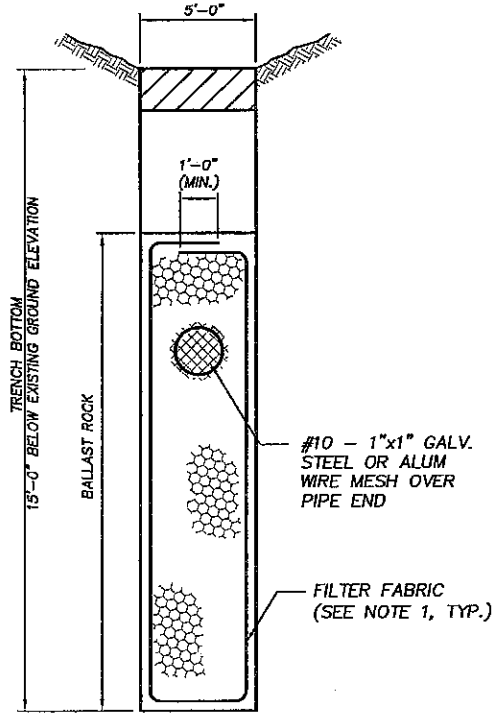


SIDE ELEVATION



END SECTION

NOTES:

1. FILTER FABRIC EACH SIDE OVERLAPPED ON TOP SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. CATCH BASIN TO BE 36" HELICAL C.M.P. 12 GAUGE GALVANIZED STEEL 3"x1" OR 2 2/3" x 1/2" CORRUGATION, OR 36 HELICAL ALUMINUM C.M.P. WITH + = 0.0105 AND 2 2/3" x 1/2" CORRUGATION.
3. CATCH BASIN SLAB TO BEAR ON NATURAL ROCK OR ON A LAYER OF 2' MINIMUM BALLAST ROCK.
4. 15" PERFORATED CORRUGATED METAL PIPE STUB 16 GAGE GALVANIZED STEEL OR 15" C.M.P. STUB 1= .060" ALUMINUM PIPE.
5. BOTTOM PLATE TO BE GALVANIZED STEEL COATED BOTH SIDE OR 1/4" ALUMINUM PLATE.
6. BRICK MASONRY CONSTRUCTION TO BE PLASTERED WITH 1/2" MORTAR INSIDE AND OUTSIDE.
7. BOTTOM OF EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.

SUMP INLET DETAIL

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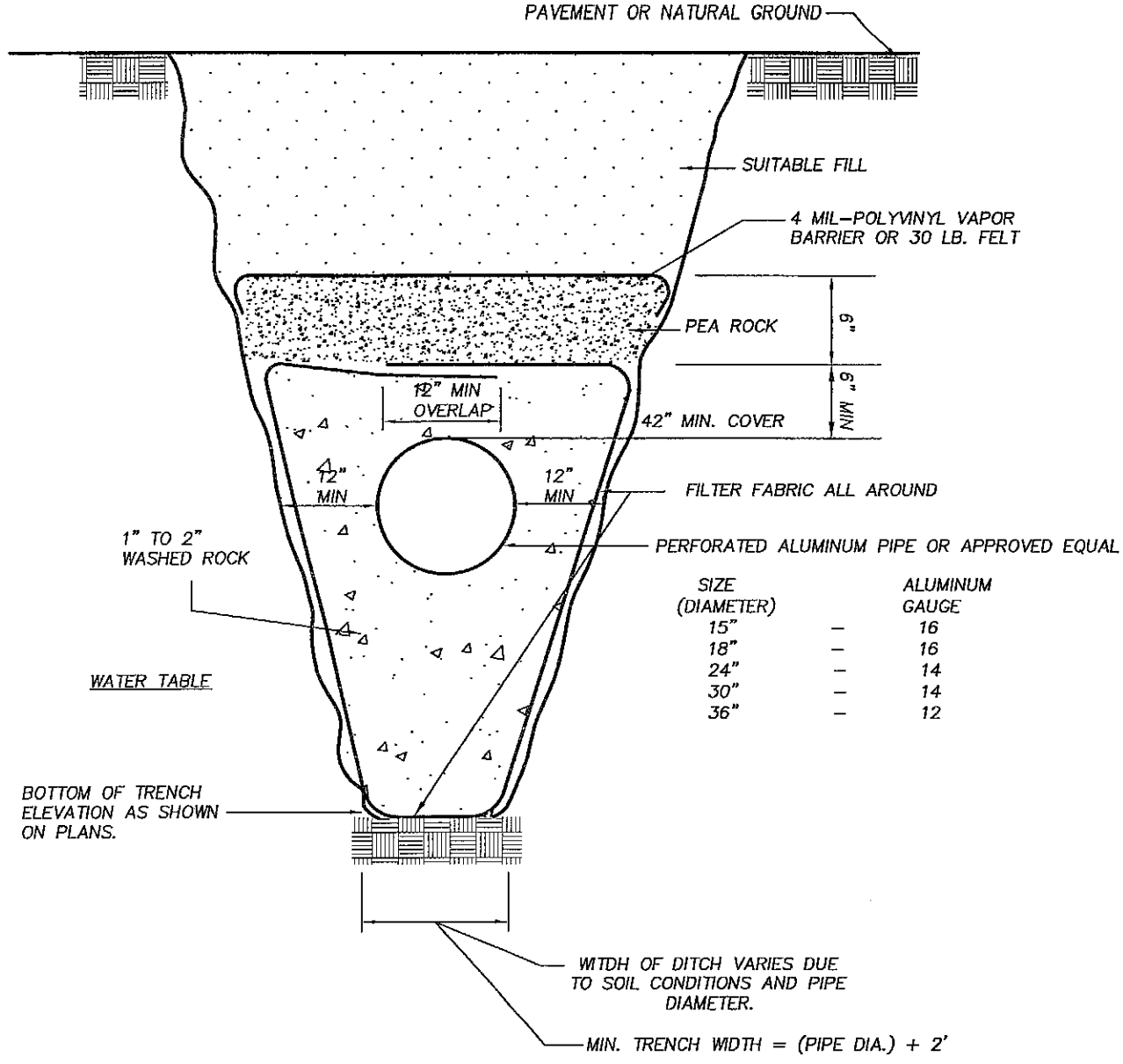
NOTES:
1. 42" MIN. COVER OVER PIPE UNLESS OTHERWISE SHOWN ON THE PLANS.
2. FILTER FABRIC SHALL ENCASE ENTIRE WASHED ROCK ENVELOPE.
3. BOTTOM OF TRENCH TO BE EXCAVATED TO ELEVATION AS SHOWN ON THE PLANS.
4. WASHED ROCK TO EXTEND TO BOTTOM OF TRENCH.
5. PERFORATED PIPE TO BE CONSTRUCTED AT INVERT ELEVATION SHOWN ON PLANS.



SIZE (DIAMETER)		ALUMINUM GAUGE
15"	–	16
18"	–	16
24"	–	14
30"	–	14
36"	–	12

TYPICAL FRENCH DRAIN CROSS SECTION

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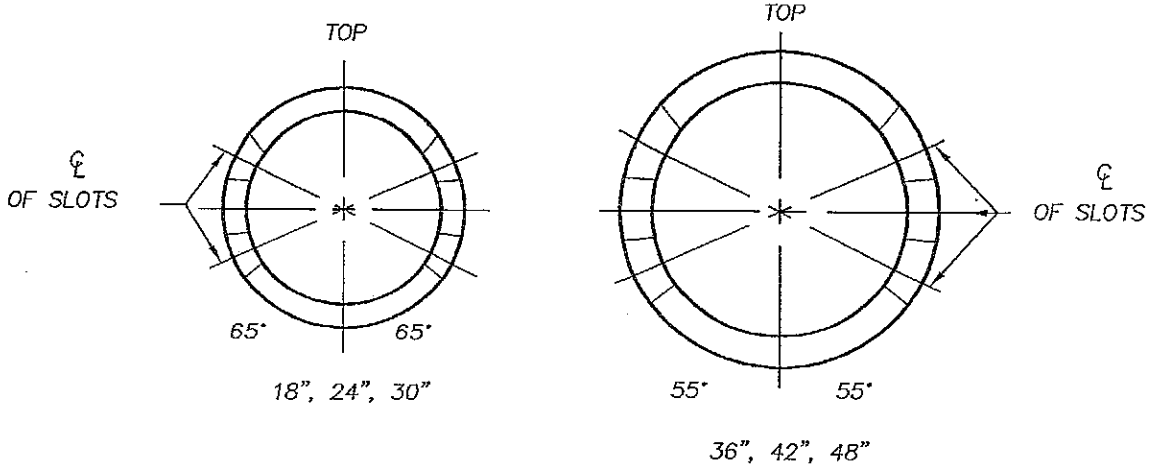
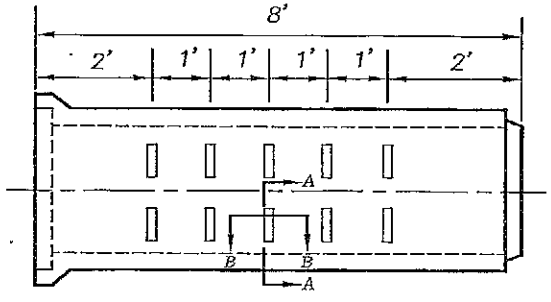
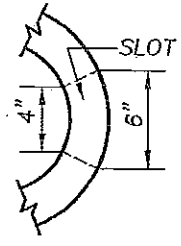
OPTION "A"
CAST SLOT

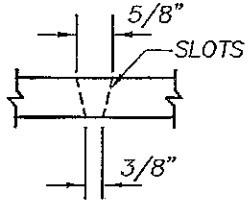




SIDE VIEW



SECTION "AA"



SECTION "BB"

GENERAL NOTES

1. Concrete pipes shall meet the requirements of ASTM C76–70.
2. Concrete pipes shall be placed with the slots positioned on the side.
3. Alignment joints are standard. Gasketed joints required for 36" and larger diameter pipe. Gaskets optional for 30" diameter and below.
4. The contractor may summit other methods of providing slots having equal or greater area of opening for approval by the Engineer.
5. Filter fabric material is required. Joints shall lap a minimum of 1 foot. Filter fabric shall not be placed on ditch bottom.
6. The Typical French Drain cross section and profile shall apply to the slotted concrete pipe French Drain.

SLOTTED CONCRETE PIPE FRENCH DRAIN

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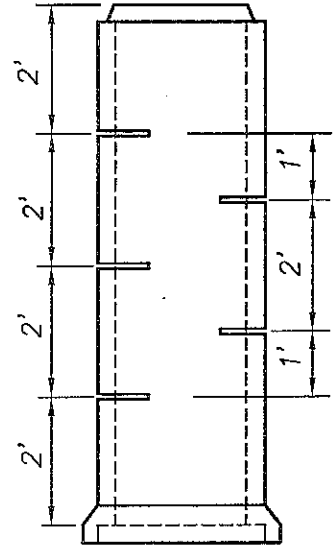
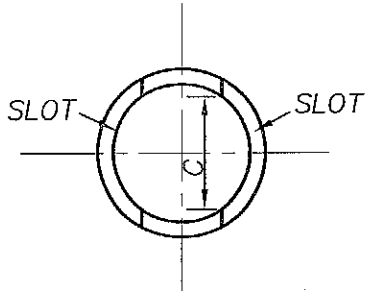
OPTION "B"
SAWCUT SLOT

TOP VIEW

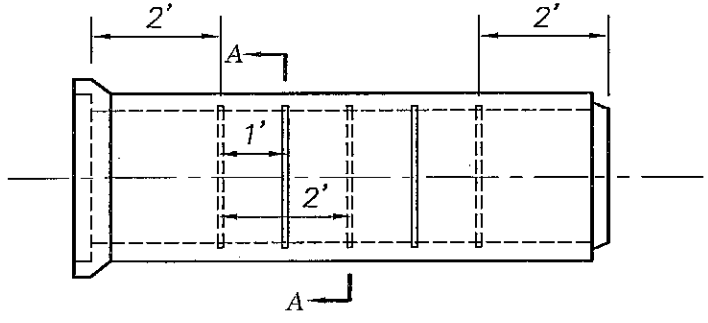


PIPE SIZE	SLOT CUT OPENING C	
	MIN.	MAX.
18"	12"	14"
24"	16"	18"
30"	16"	18"
36"	22"	24"
42"	22"	24"
48"	22"	24"

GENERAL NOTES
(SEE SHEET NO. 1)



SECTION "A-A"



SIDE VIEW

SLOTTED CONCRETE PIPE FRENCH DRAIN

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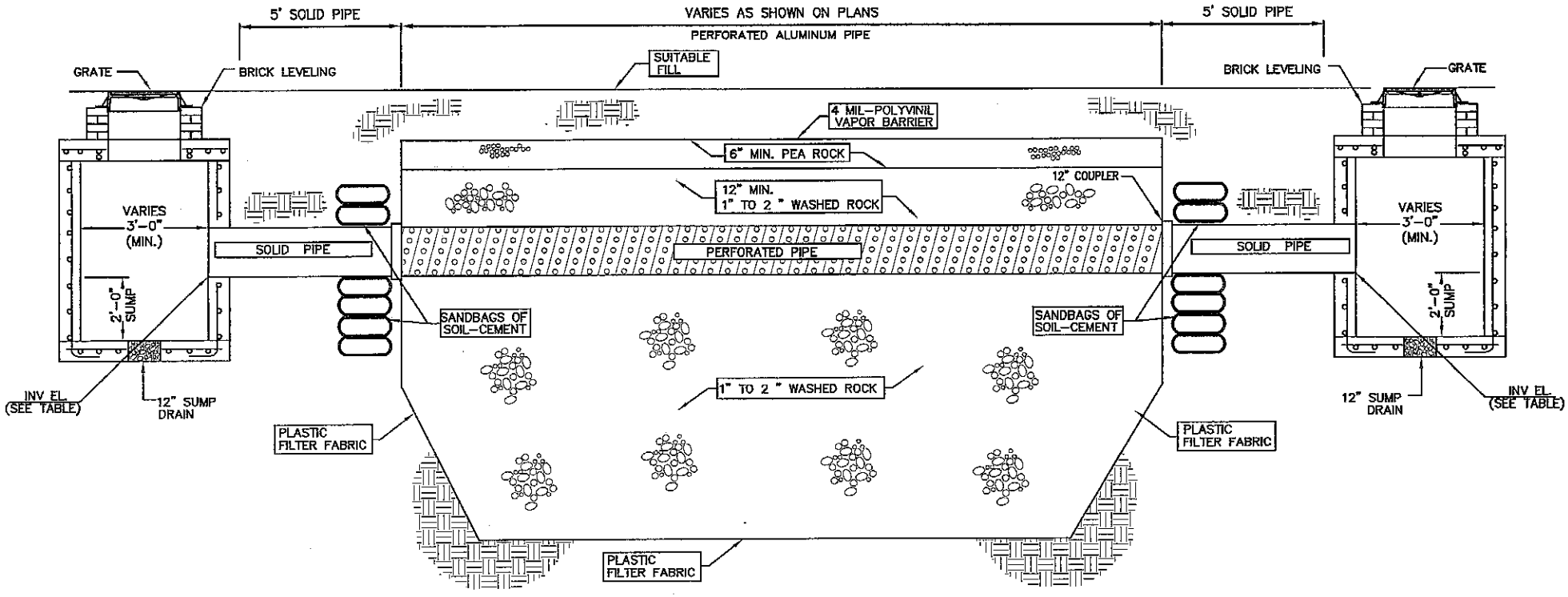

TYPICAL TWO BOXES EXFILTRATION TRENCH
LONGITUDINAL SECTION
N.T.S

NOTES

1. PLASTIC FILTER (AT EA. SIDE, TOP, BOTTOM) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION, SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.
4. INVERT ELEVATION TO BE SET PER W.C. 2.2 (AVG. OCTOBER GROUND WATER LEVEL).

TYPICAL FRENCH DRAIN PROFILE

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OCT. 1985

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