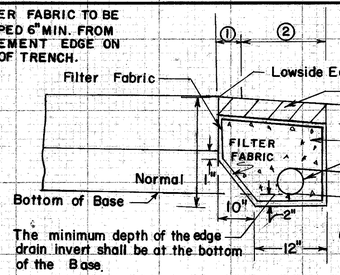
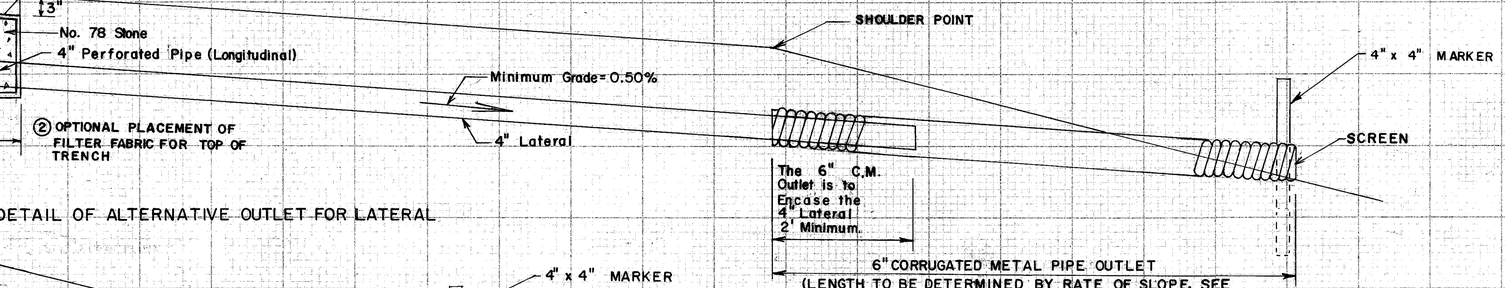
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

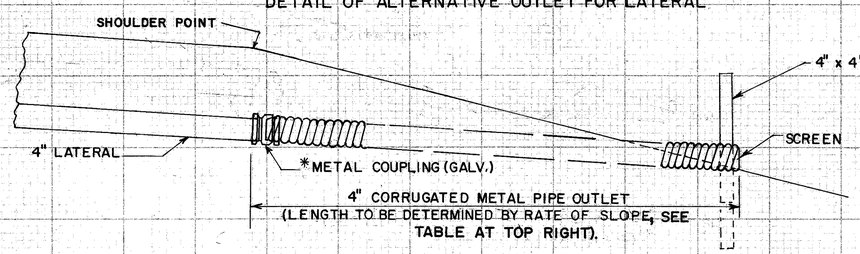
LONGITUDINAL EDGEDRAIN WITH LATERALS.





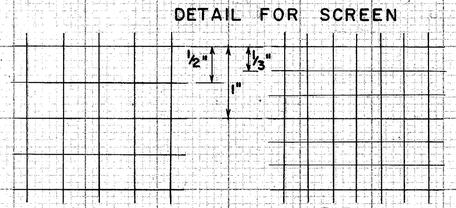
@ LENGTH	
RATE OF SLOPE	REQUIRED LENGTH OF CORRUGATED METAL PIPE FOR OUTLET
4:1 OR FLATTER	10'-0" MIN.
3:1	6'-8" MIN.
2:1	5'-0" MIN.

DETAIL OF ALTERNATIVE OUTLET FOR LATERAL

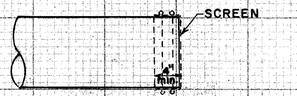


*ALTERNATE CONNECTION:
STANDARD PLASTIC FITTING MEETING REQUIREMENTS OF SPECIAL PROVISION SEC. 839.04 OF GA. STD. SPECIFICATIONS MAY BE USED INSTEAD OF METAL COUPLING.

DETAIL FOR SCREEN

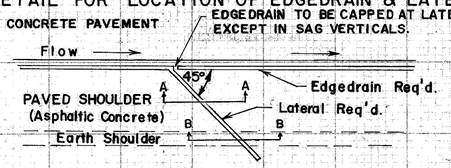


SCREEN TO BE GALVANIZED. HARDWARE (WIRE) CLOTH 2x2 OR 3x3 MESH MIN. 21 GAUGE



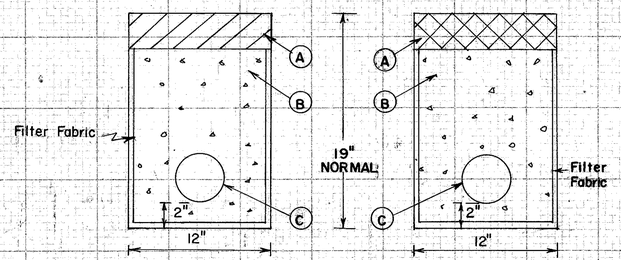
SCREEN TO BE PLACED OVER THE END OF PIPE AS SHOWN & SECURED FIRMLY IN PLACE BY WRAPPING GALVANIZED WIRE AROUND PIPE & SCREEN. OTHER METHODS FOR SECURING SCREEN FIRMLY OVER END OF PIPE MAY BE USED, IF APPROVED BY THE ENGINEER.

DETAIL FOR LOCATION OF EDGEDRAIN & LATERAL.



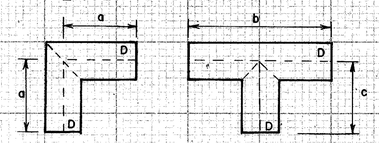
Note: Where Edge of Pavement is on 0.0% Grade, the Lateral may be placed 90°.

DETAIL OF TRENCH SECTIONS FOR LATERAL

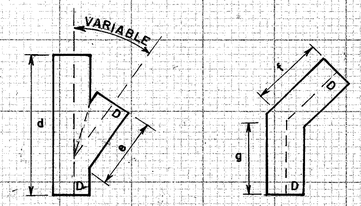


NOTE: NORMAL DEPTH OF TRENCH FOR LATERAL IS INCHES. THE DEPTH OF THE TRENCH SHALL BE INCREASED TO A DEPTH GREATER THAN INCHES, WHERE NECESSARY, TO PROVIDE AN OUTFALL GRADE OF 0.5% OR GREATER.

LATERAL CONNECTIONS



90° ELL TEE



WYE 45° ELL

THE DIMENSIONS (a thru g) SHOWN ABOVE FOR THE VARIOUS KINDS & SIZES OF PERFORATED PIPE SHALL BE IN AGREEMENT WITH THE MANUFACTURER'S STANDARD PRACTICES.

GENERAL NOTES:

1. TRENCH SHALL BE SHAPED WITH AS NEARLY VERTICAL SIDES AS ARE PRACTICAL & WITH A FLAT BOTTOM. NORMAL DEPTH OF EDGEDRAIN TRENCH IS 19 INCHES. WHERE EDGEDRAIN IS REQUIRED IN GORE AREAS, THE OUTFALL END WILL BE CONNECTED TO AN EXISTING DRAINAGE STRUCTURE, OR THE TRENCH DEPTH WILL BE INCREASED, AS REQUIRED, TO OBTAIN POSITIVE DRAINAGE REVERSING THE FLOW OPPOSITE THE EDGE OF PAVEMENT GRADE, IF NECESSARY.
2. MARKERS: EACH OUTLET END OF LATERALS SHALL BE MARKED WITH A 5'x 4"x 4" TREATED WOOD POST PLACED 3 FEET IN THE GROUND, EXCEPT WHERE TERMINATED ON CONC. DITCH PAVING IN DROP INLETS, ETC.
3. EDGEDRAIN PIPE SHALL BE INSTALLED ADJACENT TO THE PAVEMENT ON THE OUTSIDE SHOULDERS IN BOTH MAINLINE DIRECTIONS & ON THE INSIDE SHOULDER WHEN IT IS THE LOW SIDE OF A SUPERELEVATED CURVE. EDGEDRAIN PIPE SHALL BE PLACED ADJACENT TO THE OUTSIDE EDGE OF PAVEMENT ON RAMPS, AS INDICATED ON PLANS.
4. LATERALS ARE TO BE SPACED AT INTERVALS OF 400 FEET MAXIMUM AT LOCATIONS WHERE THE GRADE ALONG THE EDGE OF PAVEMENT IS GREATER THAN 0.25 PERCENT & AT INTERVALS OF 250 FEET WHERE THE EDGE OF PAVEMENT GRADE IS 0.25 PERCENT OR LESS, THE SPACING OF LATERAL WILL BE ACCOMPLISHED REQUIRING A LATERAL AT THE LOW POINT OF EACH VERTICAL CURVE.
   LATERAL CONNECTIONS SHALL BE MADE WITH SUITABLE STANDARD FITTINGS (ELLS, WYES, OR TEES AS DETAILED).
5. DEAD ENDS OF PIPE SHALL BE CLOSED WITH METAL OR PLASTIC CAPS OR CONCRETE PLUGS.
6. OUTFALL ENDS OF PIPE SHALL BE EQUIPPED WITH SCREEN.
7. EDGEDRAIN IS NOT CONTINUOUS THRU LATERALS, EXCEPT IN SAG VERTICAL.
8. WASTE MATERIAL FROM EXCAVATION OF EDGEDRAIN TRENCH SHALL BE DISPOSED OF BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY DISPOSAL AREAS.
9. A NEAT LINE SHALL BE CUT IN THE SHOULDER PAVING PRIOR TO THE TRENCHING FOR THE LONGITUDINAL EDGEDRAIN. THE CUT MAY BE ACCOMPLISHED BY EITHER SAWING OR CUTTING.
10. ANY WORK NEEDED FOR REMOVING & REPLACING ASPHALTIC CURB, REMOVING & REPLACING GUARDRAIL, & ANY ADDITIONAL WORK NECESSARY FOR THE INSTALLATION OF EDGEDRAIN ON THIS DRAIN SHALL BE INCLUDED IN THE BID PRICE FOR EDGEDRAIN.
11. ASPHALTIC CONCRETE "E" OR "B" MODIFIED, SHALL BE INCLUDED IN BID PRICE FOR EDGEDRAIN.
12. NOTE:
    SEE SHEET NOS. FOR TYPICAL LOCATION DETAIL.
13. THE FILTER FABRIC SHALL BE INCLUDED IN THE BID PRICE FOR EDGEDRAIN.

CONSTRUCTION DETAILS

LONGITUDINAL EDGEDRAINS WITH LATERALS

NO SCALE

REV. & REDRAWN: SEPT. 1978

D-32

FORM EF3