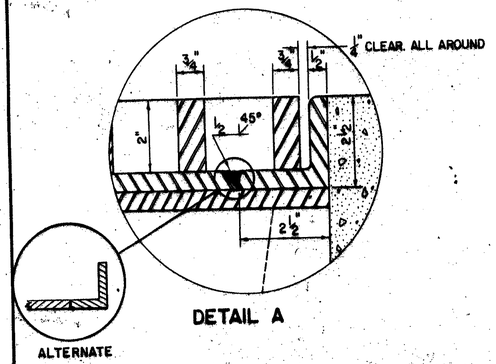
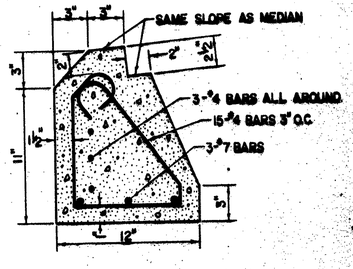
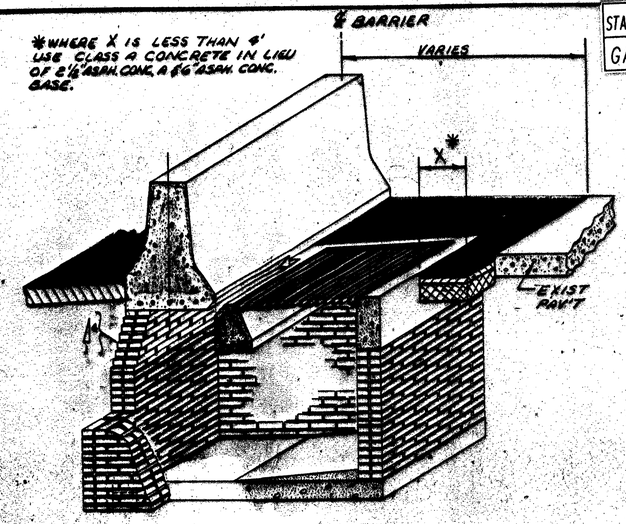
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(732)	142	159



DETAIL A

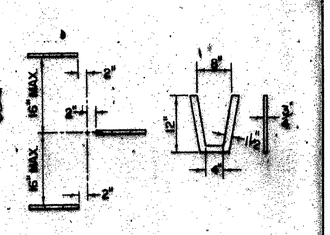


DETAIL B



*WHERE X IS LESS THAN 4' USE CLASS A CONCRETE IN LIEU OF 2½" ASPH. CONC. & 6" ASPH. CONC. BASE.

SINGLE GRATE
(NEW CONSTR.)

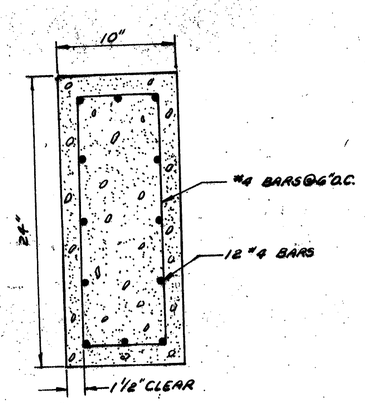


CAST IRON STEPS

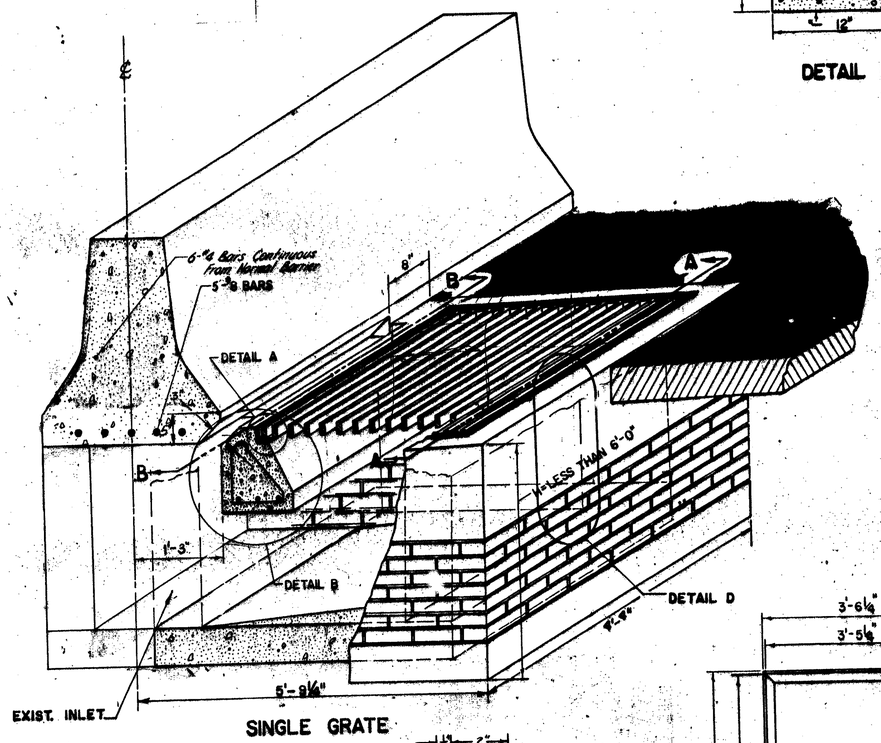
STEPS ARE REQ. ON ALL STRUCTURES WHERE H IS GREATER THAN 4'-0"

THE NUMBER AND LOCATION OF STEPS WILL BE AS DIRECTED BY THE ENGINEER

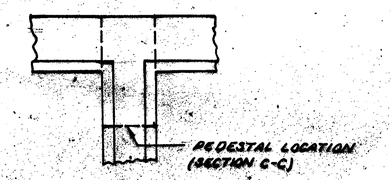
AN ALTERNATE STEP MAY BE SUBSTITUTED IF APPROVED BY THE LABORATORY



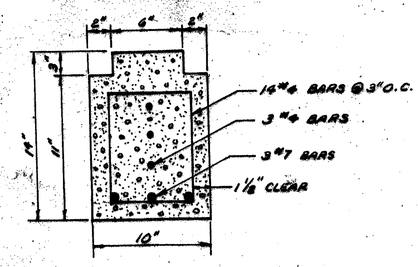
SECTION C-C



SINGLE GRATE



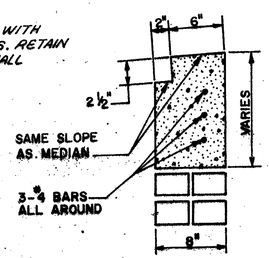
PEDESTAL LOCATION
(SECTION C-C)



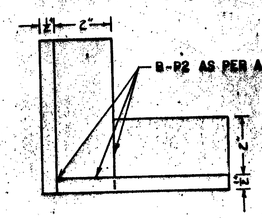
DETAIL C

REMOVE EXIST. C.B. INCLUDING TOP WITH MANHOLE COVER AND RING AND WALLS. RETAIN ALL EXIST. PIPES AND STRUCTURE SHALL RETAIN EXIST. FLOW LINE.

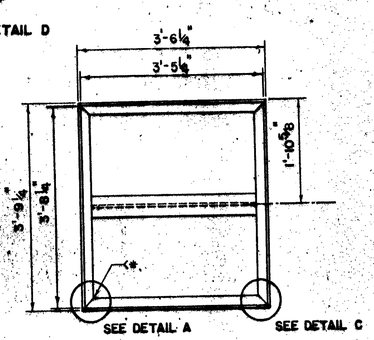
PARTIAL CAP MAY BE REQ. OVER THE EXIST. INLET IF PIPE SIZES OR PIPE SKEWS MAKE THE EXIST. BOX LARGER THAN THE PROPOSED INLET. COST OF THIS CAP TO BE INCLUDED IN THE OVERALL PRICE BID FOR THIS INLET.



DETAIL D

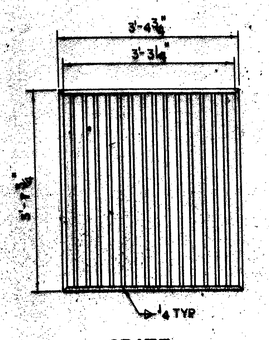


DETAIL C
ALTERNATE CORNER DETAIL



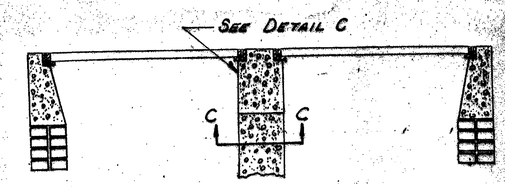
FRAME

* B-P2 AS PER A.W.S. SPECS. TYP. ALL FOUR CORNERS OF FRAME & GRATE.

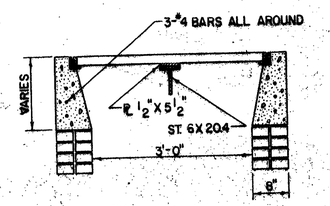


GRATE

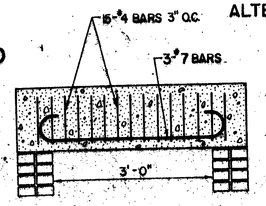
16 BARS @ ¾" = 1'-0"
14 SPACES @ 1 5/16" = 2'-3⅛"
1 SPACE @ 1⅝" = 0'-1⅝"
3'-4¾"



SECTION A-A (DBL GRATE)



SECTION A-A
(SINGLE GRATE)



SECTION B-B

GENERAL NOTES, MEDIAN DROP INLET

1. STEEL FOR FRAME AND GRATE SHALL BE A-36, IN ACCORDANCE WITH A.S.T.M. SPECIFICATIONS.
2. ALL STEEL, EXCEPT REINFORCING STEEL, SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, IN ACCORDANCE WITH SPECIFICATION A123-71.
3. DRILL ¼" DIA. HOLE IN ONE CORNER OF THE FRAME TO PREVENT GALVANIZING MAT'L. BUILD-UP.
4. SEE SECTION 668 OF DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR MAT'LS., CONSTRUCTION DETAILS, MEASUREMENTS, & PAYMENT FOR THIS STRUCTURE EXCEPT AS NOTED ABOVE.
5. REINFORCING STEEL FOR MEDIAN BARRIER SHALL BE EXTENDED 3'-6" MIN. INTO NORMAL SECTION.
6. FOR DIMENSIONS OF MEDIAN BARRIER NOT SHOWN, SEE MEDIAN BARRIER SHEET.
7. INLETS SHALL BE CLASSED AS GROUP I IN THAT THEIR SIZE IS INDEPENDENT OF THE PIPE SIZES.
8. CONTRACTOR HAS THE OPTION TO SUBSITUTE A-588 STEEL FOR FRAME & GRATE. CONTRACTOR HAS THE OPTION TO USE BRICK INSTEAD OF CONCRETE FOR THE STRUCTURE FLOOR. (THICKNESS SHALL BE 3 BRICKS)
9. CONTRACTOR HAS THE OPTION TO PRE-CAST BEAM SHOWN IN DETAIL B. & DETAIL C.

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF URBAN & MULTI-MODAL DESIGN

SPECIAL DESIGN DROP INLET
TYPE 2
DOUBLE & SINGLE GRATE

SCALE: None

DESIGNED:
DRAWN: LGS
CHECKED: