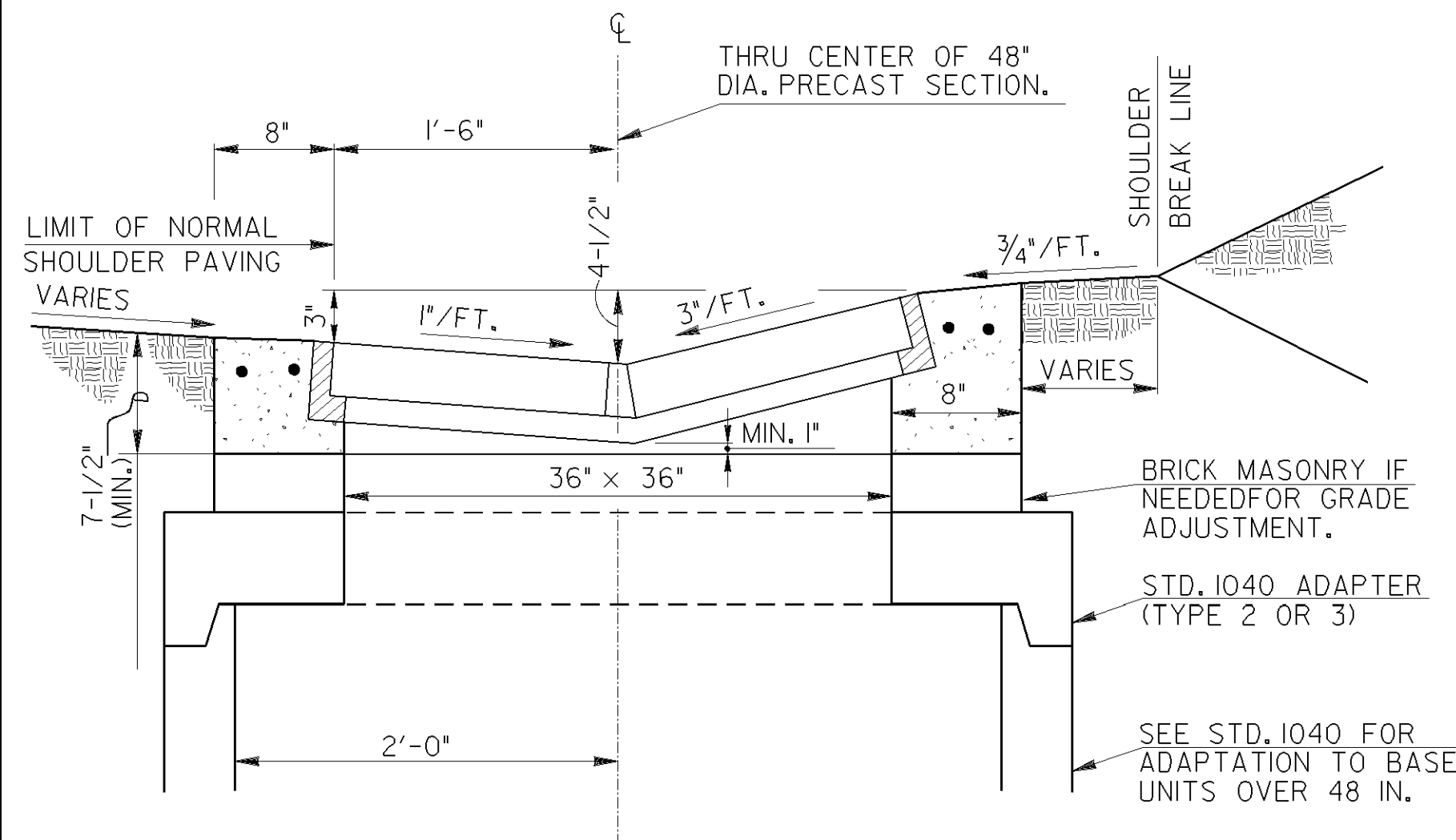
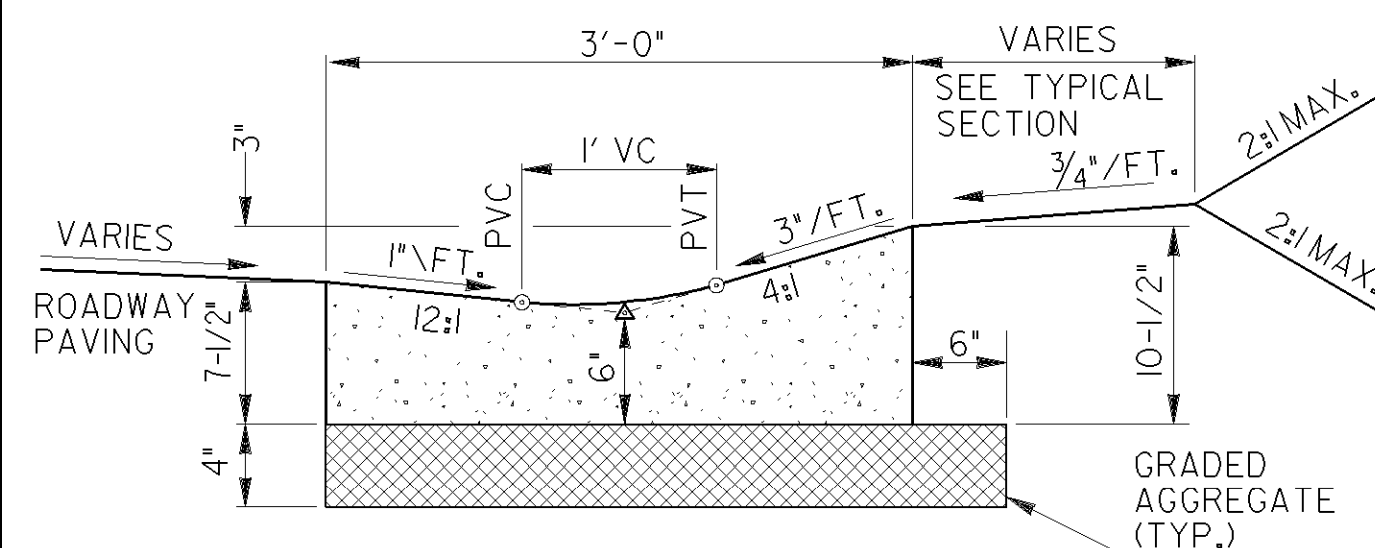


CIRCULAR PRECAST ALTERNATE

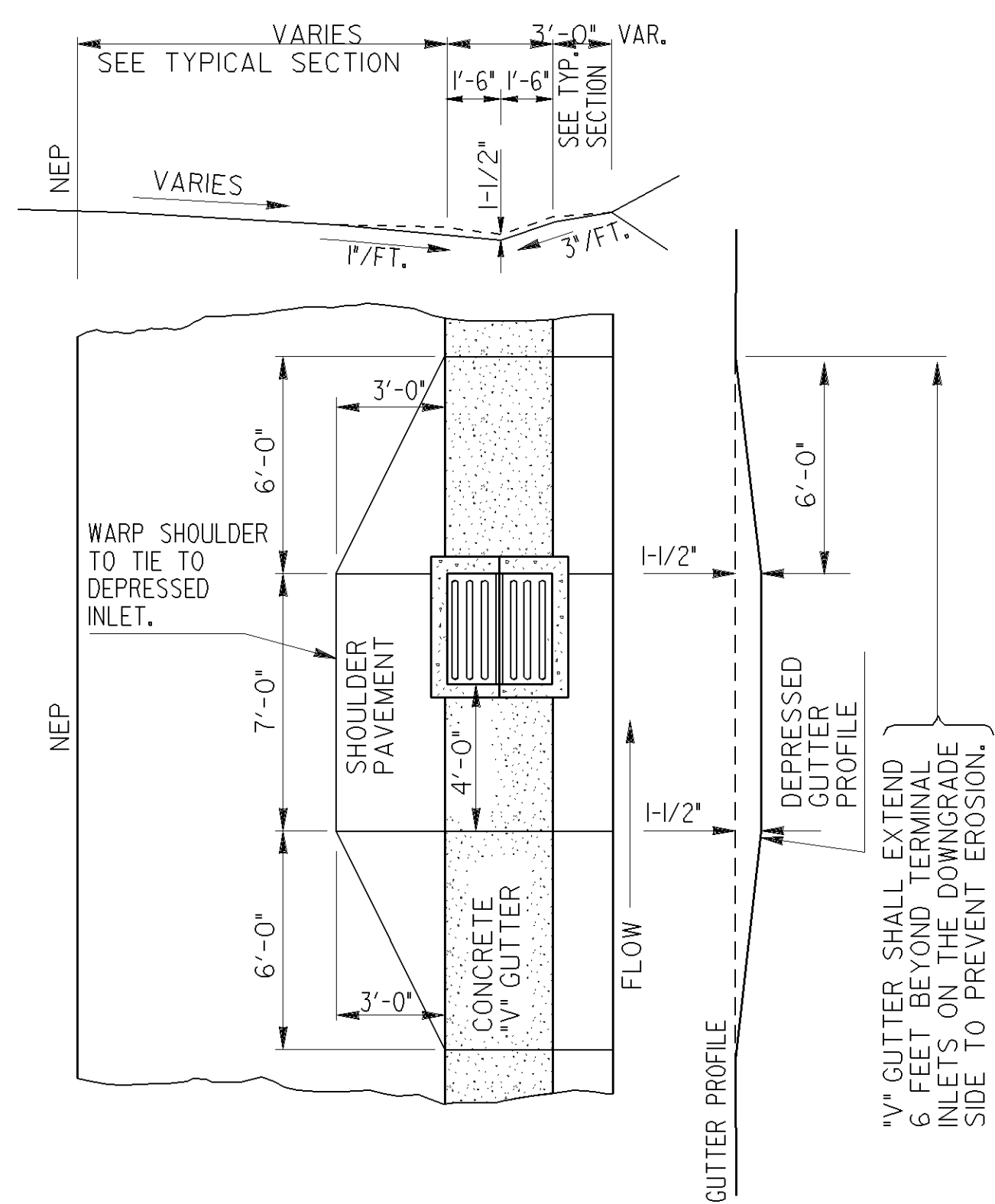


SPECIAL DESIGN
"V" GUTTER DESIGN

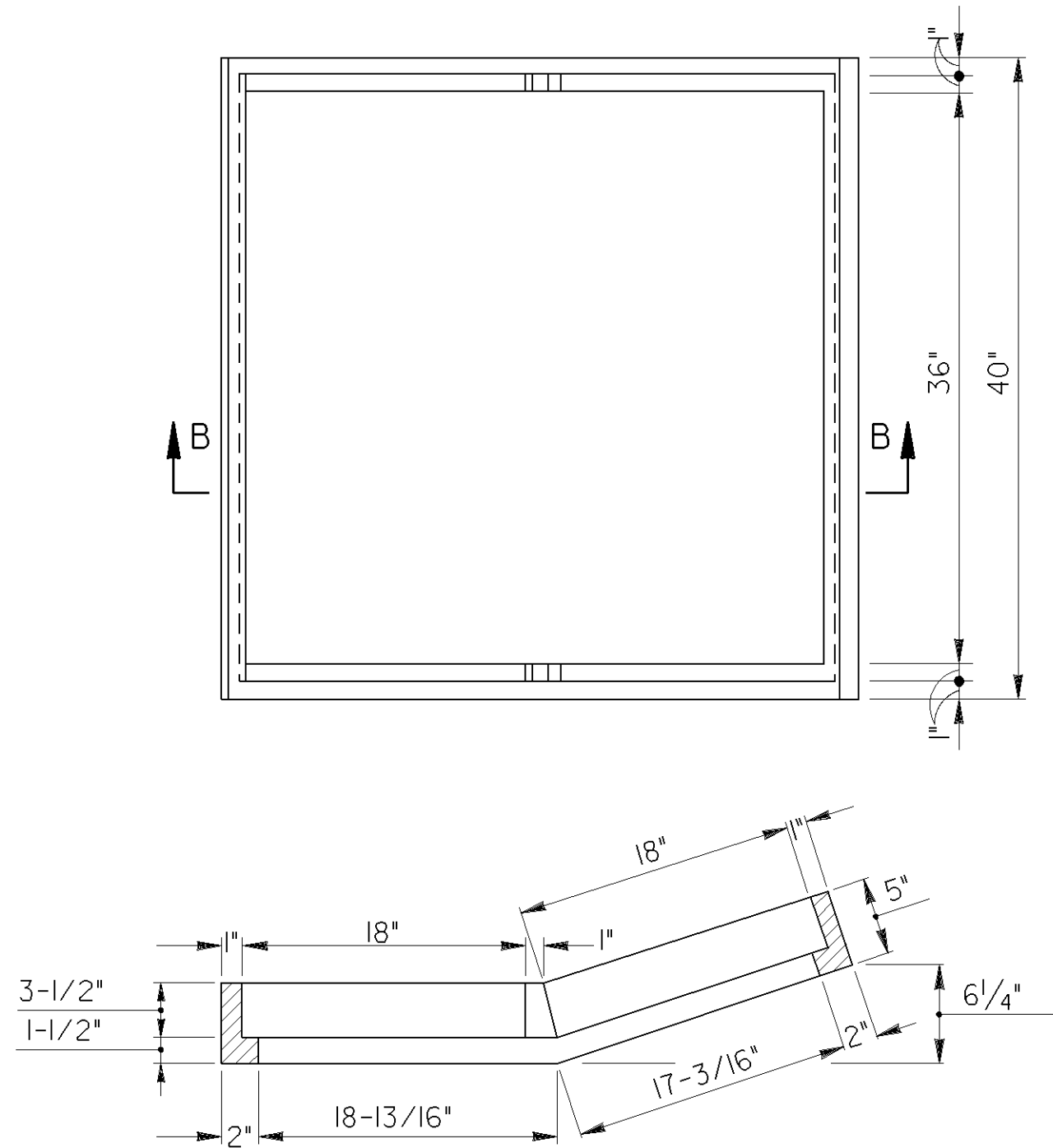


1. CONCRETE SHALL BE CLASS "A", OR PER SECTION 44I.
2. BASIS OF PAVEMENT: CONCRETE "V" GUTTER PER LIN. FT.

DEPRESSED INLET



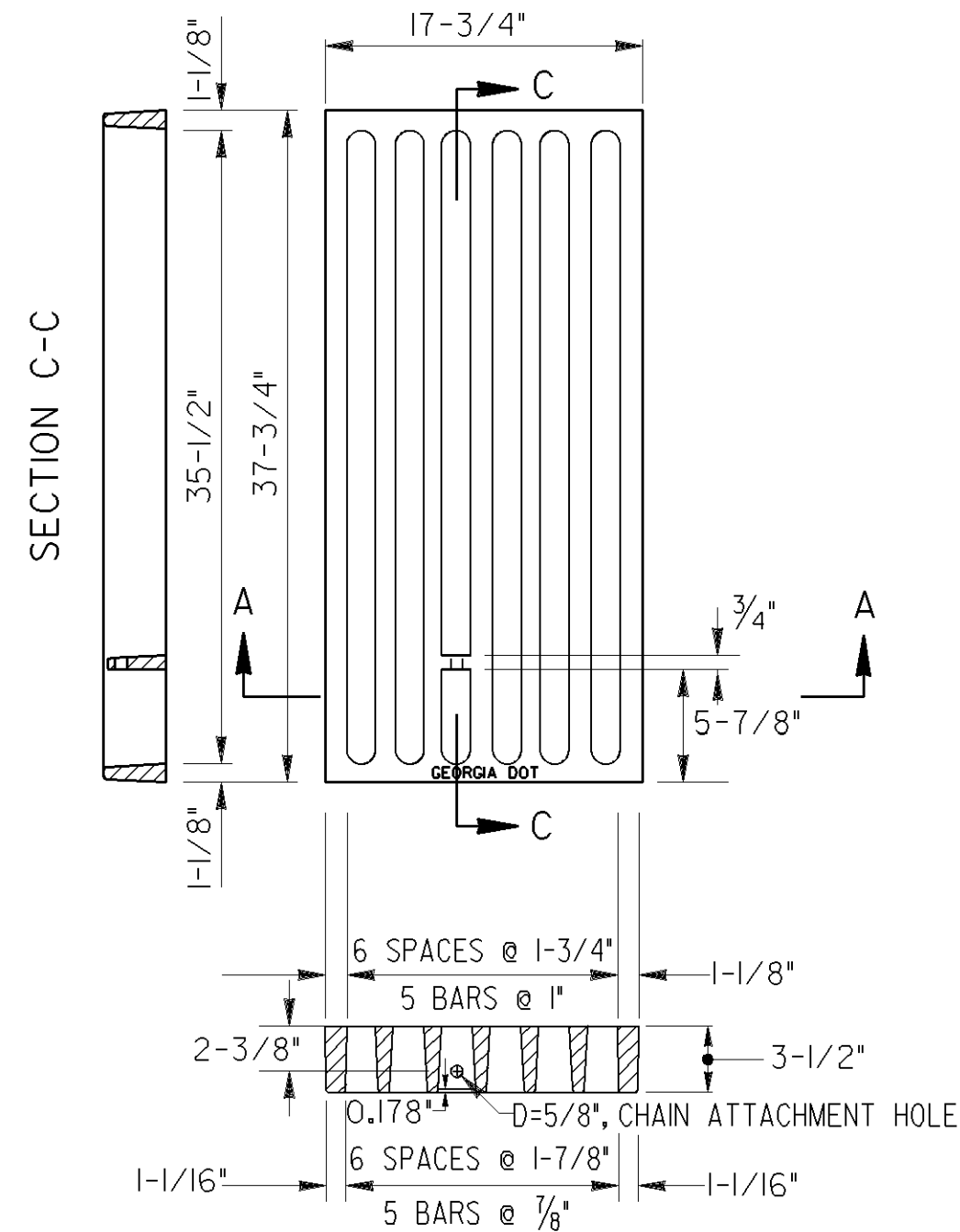
FRAME



NOTE:
FRAME AND GRATE SHALL BE GRAY IRON
DRAINAGE CASTINGS. SEE GEORGIA D.O.T.
STANDARD SPECIFICATIONS 854.

GRATE

GRATE - 2 EACH REQUIRED

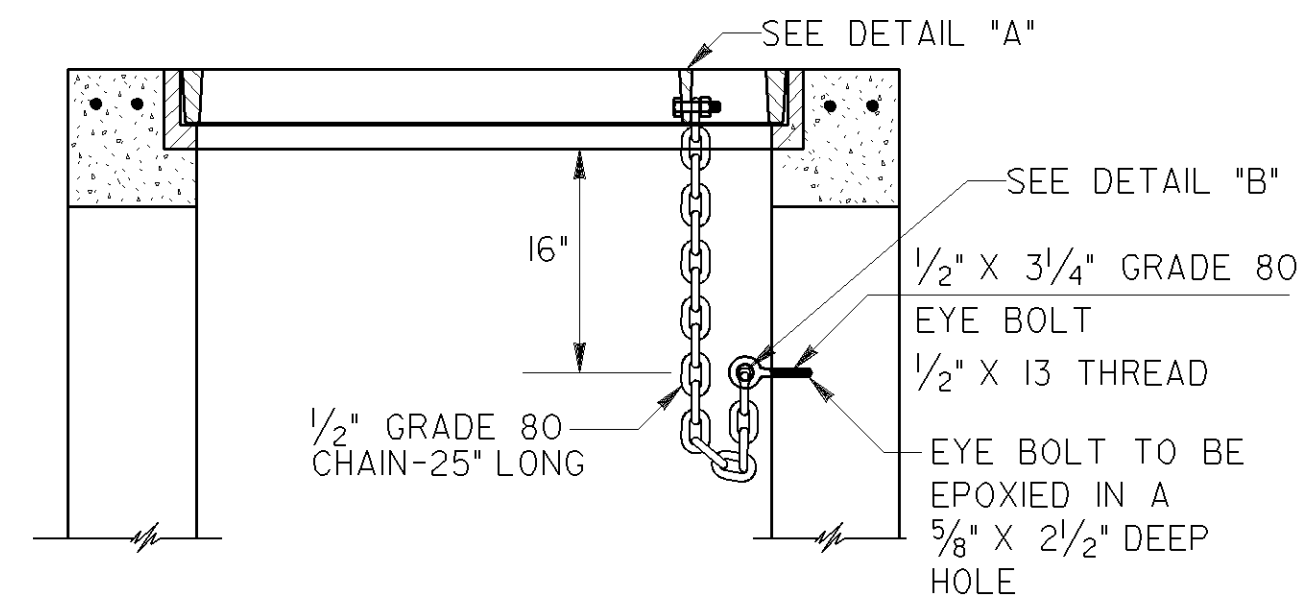


SECTION A-A

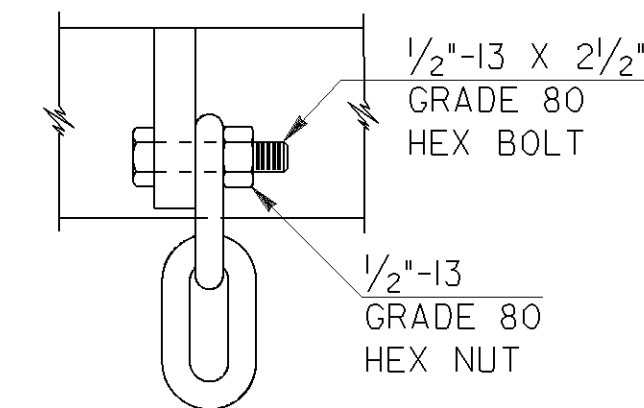
NOTE:
GRATE SHOWN ABOVE SHALL NOT BE USED
WHERE BICYCLES ARE PERMITTED. SEE
CONSTRUCTION DETAIL D-33B FOR BICYCLE GRATE.

SECURITY CHAIN

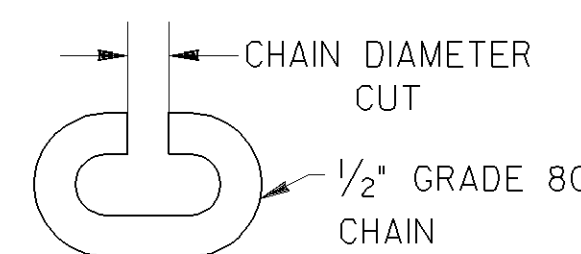
INSTALL SECURITY CHAIN ON BOTH GRATES
(SEE NOTE 8)



CHAIN CONNECTION DETAILS



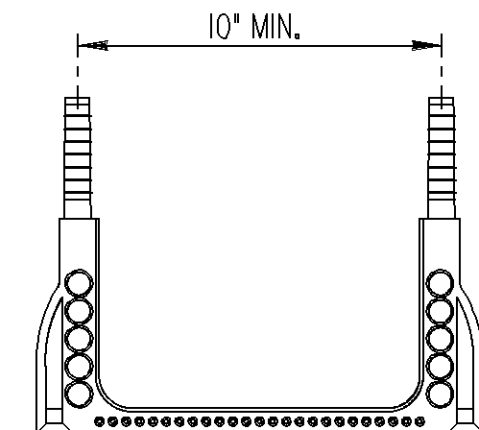
DETAIL "A"
BOLTED CONNECTION DETAIL



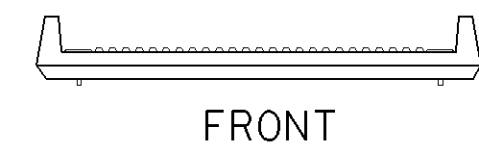
CUT CHAIN AND CONNECT CHAIN TO EYE
BOLT AND THEN FIELD WELD TO FILL GAP.

DETAIL "B"
CUT CHAIN LINK DETAIL

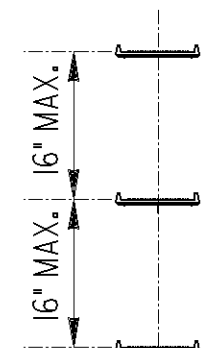
STEPS



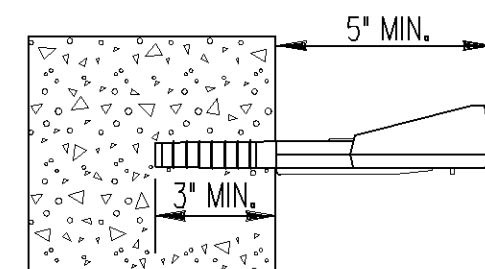
PLAN



FRONT



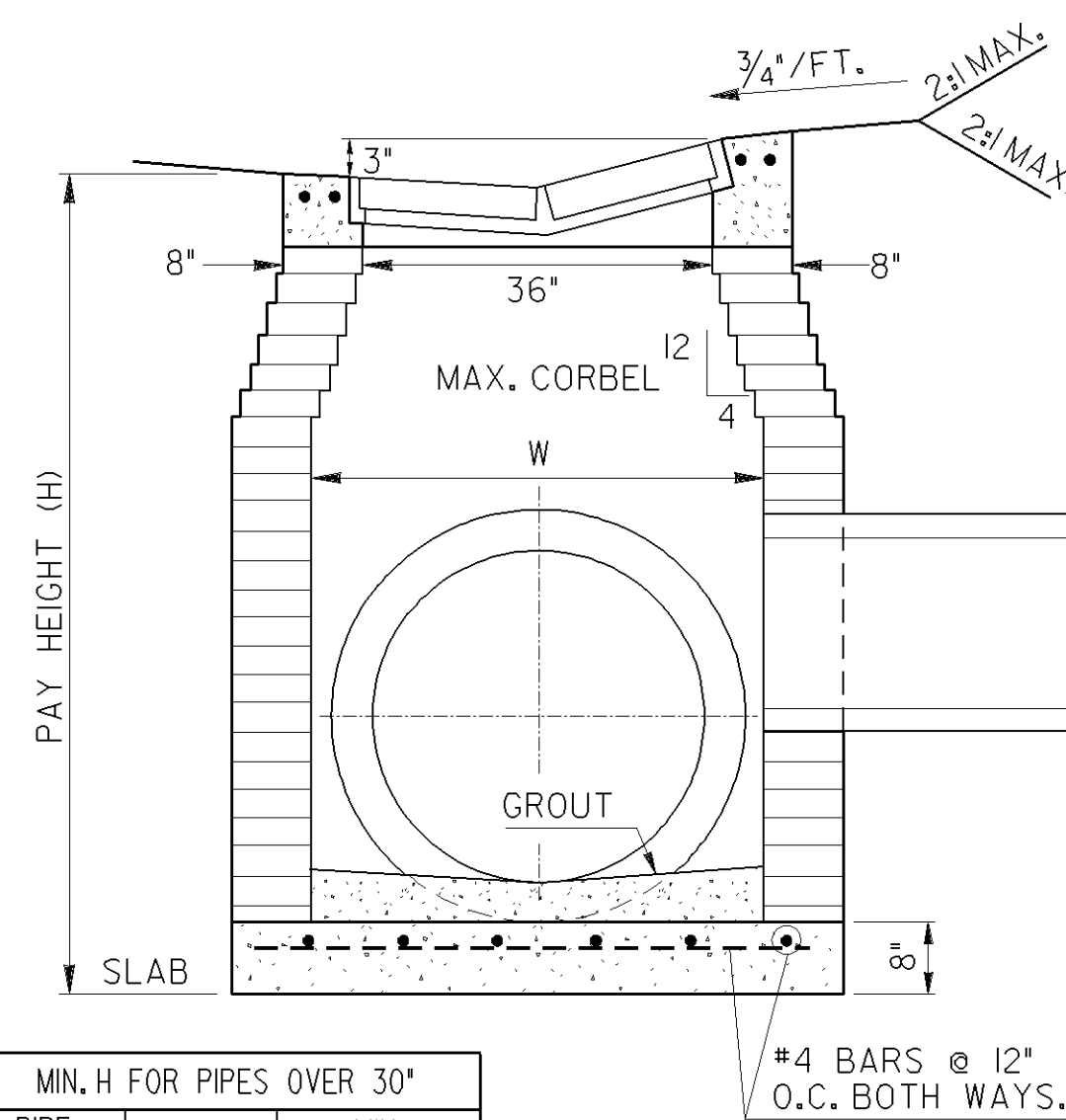
SIDE



NOTE:
STEPS ARE REQUIRED IN ALL INLETS
OVER 4 FT IN HEIGHT. STEPS WILL BE
ALIGNED TO FORM A CONTINUOUS LADDER
WITH RUNGS AT 16" MAXIMUM SPACINGS.
THE CONTRACTOR WILL USE ONLY STEPS
LISTED IN THE GA. D.O.T. OFFICE OF MATERIALS
AND RESEARCH "QUALIFIED PRODUCTS LIST".

TYPE "V" INLET

DETAIL FOR EXTRA WIDTH TYPE "V" INLETS
WHERE REQUIRED TO ACCOMODATE PIPES
LARGER THAN 30" (TYPICAL) OR SKEWED PIPES



MIN. H FOR PIPES TO 30'	
PIPE SIZE	MIN. 'H'
15"	3'-9"
18"	4'-2"
24"	4'-9"
30"	5'-4"

THICKNESS OF BRICK WALLS	
DEPTH	THICKNESS
0'-10'	8"
10'-20'	12"
OVER 20'	16"

MIN. H FOR PIPES OVER 30"		
PIPE SIZE	W *	MIN. H
36'	4'-0"	6'-6"
42"	4'-8"	7'-8"
48"	5'-0"	8'-2"
54"	5'-6"	9'-9"
60"	6'-6"	11'-9"

* W TO BE INCREASED WHERE NECESSARY
TO ACCOMMODATE LARGER PIPES OR
PIPES ON SKEWS WITH MINIMUM H
INCREASED ACCORDINGLY.

GENERAL NOTES:

1. SEE SECTION 668, OF GEORGIA D.O.T. STANDARD SPECIFICATIONS FOR MATERIALS, CONSTRUCTION DETAILS, MEASUREMENTS, & PAYMENT FOR THIS STRUCTURE, EXCEPT AS NOTED.
2. ALL CONCRETE SHALL BE CLASS "A" FOR BUILT-IN-PLACE INLET CONSTRUCTION. CONCRETE FOR "V" GUTTER MAY BE EITHER CLASS "A" OR PER SECTION 44L THE COST OF THE "V" GUTTER WILL BE INCLUDED IN THE OVERALL BID PRICE FOR CONCRETE V GUTTER.
3. IF "V" GUTTER INLET SYSTEM IS TERMINATED IN SAG OR LOW AREA, AN EXTENSION OF THE GUTTER PAST LOWEST INLET OR OTHER APPROVED EROSION PROTECTION SHALL BE PROVIDED.
4. CONSTRUCTION ALTERNATES FOR INLETS SHALL BE:
 - (A) BRICK MASONRY AS SHOWN;
 - (B) CIRCULAR PRECAST (SEE TOP LEFT & STD. I040.)
 - (C) REINFORCED CONCRETE (SEE STD. I019-A.)
5. MINIMUM INLET DIMENSIONS GIVEN IN THE TABLES ARE TYPICAL FOR CONCRETE PIPE AND MAY BE ADJUSTED WHERE SPECIFIED BY EITHER THE DESIGNER OR THE ENGINEER.
6. THE COST OF THE STEPS AND INSTALLATION OF CHAINS, EYE BOLTS, AND HEX BOLTS SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR DROP INLET.
7. APPLY TACK-WELD BEHIND THE NUT, IF CHAIN IS SECURED TO INLET OR GRATE WITH BOLT AND NUT.
8. TYPE "V" INLET HAS TWO GRATES. EACH GRATE REQUIRES CHAIN AND EYE BOLT INSTALLED.

8-16-13	REV. CHAIN GRADE & DETAILS	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA CONSTRUCTION DETAILS TYPE "V" INLET "V" GUTTER DETAILS NO SCALE	DATE 7-09-07 6-14-90
4-4-11	ADDED GEN. NOTES 7 & 8		
	ADDED SAFETY CHAIN		
	DETAIL & REV. STEP DETAIL		
	REV. GEN. NOTE NO. 6		
GLO	REV. GEN. NOTE NUMBER 2.		
	GENERAL REVISION		
BY			NUMBER D-33