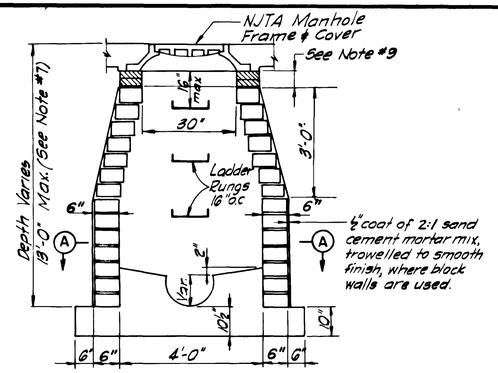
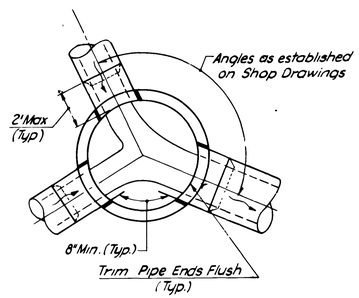
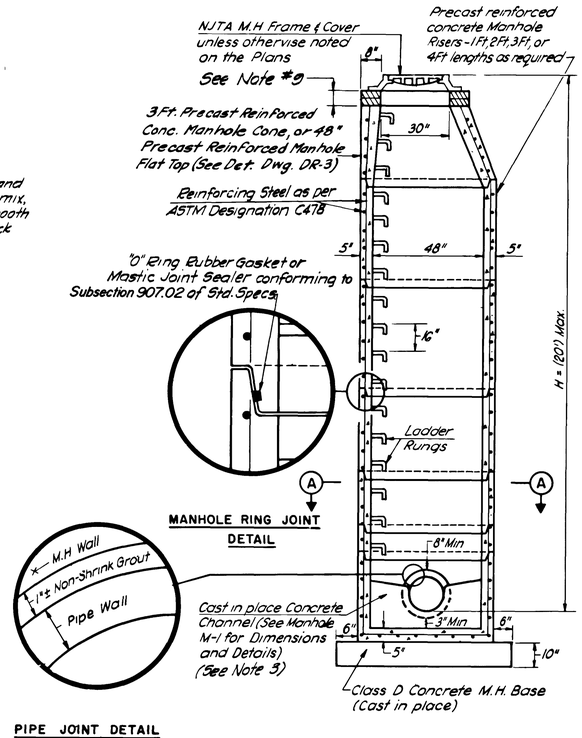


MANHOLE - TYPE M I

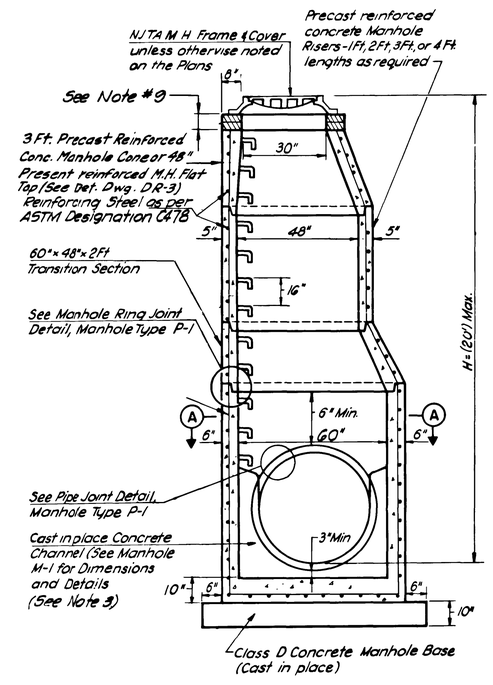


SECTION A-A



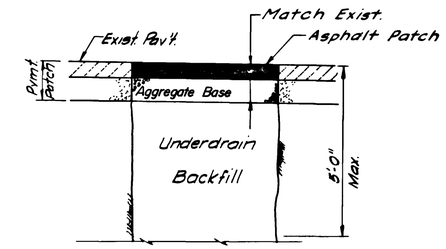
MANHOLE - TYPE P-1

FOR PIPES 36" DIAMETER OR LESS



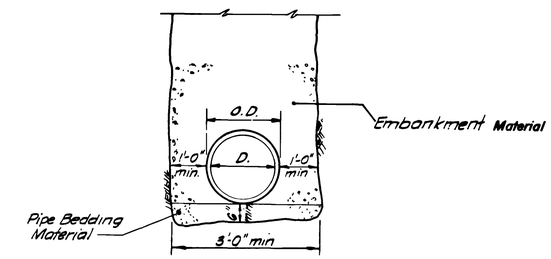
MANHOLE - TYPE P-2

FOR PIPES 42" & 48" DIAMETER

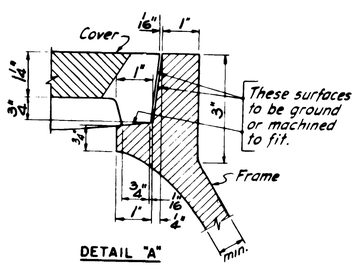


PAVEMENT PATCH

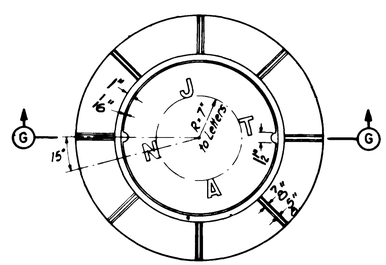
NOTE
Eliminate Pavement Patch where Finished Grade is more than 8" above existing pavement or where existing pavement is being removed

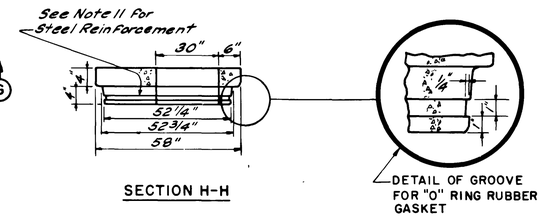


NEW PIPE INSTALLATION

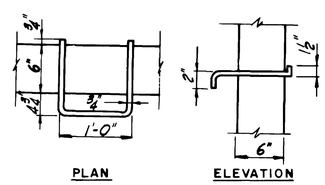


DETAIL "A"



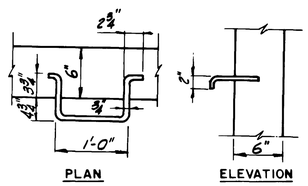


SECTION H-H



PLAN ELEVATION

CONCRETE BLOCK WALLS

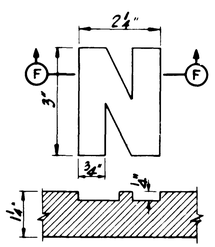


PLAN ELEVATION

PRECAST WALLS

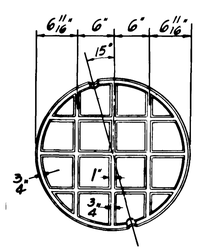
LADDER RUNG DETAILS

No Scale

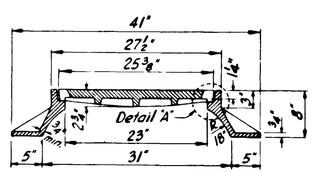


SECTION F-F

DETAIL OF LETTERING



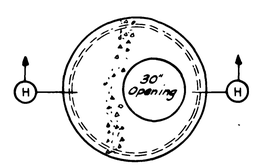
UNDERSIDE OF COVER



SECTION G-G

Weight of Frame 339#
" " Cover 186#

MANHOLE FRAME & COVER



PLAN

48" PRECAST REINFORCED CONCRETE MANHOLE FLAT TOP

Used in Lieu of Cone Section when Height of Manhole doesn't exceed 4 ft. (Unless Otherwise Specified)

NOTES:

1. WALLS OF M-1 MANHOLES SHALL BE 6" THICK & BE CONSTRUCTED OF EITHER (A) CLASS "A" CONCRETE WITH AIR ENTRAINMENT - CAST IN PLACE OR PRECAST. (B) CONCRETE BLOCK.
2. BASES OF MANHOLES TO BE CONSTRUCTED OF CLASS "D" CONCRETE.
3. MANHOLE CHANNEL CAN BE FORMED CONCRETE OR A COMPOSITE OF POURED CONCRETE & CONCRETE BLOCK.
4. LADDER RUNGS TO BE PROVIDED IN ALL MANHOLES OVER 4' DEEP. SEE SUBSECTION 916.05 OF THE STANDARD SPECIFICATIONS.
5. PIPES MAY ENTER OR EXIT MANHOLES IN ANY DIRECTION, INDICATED ON THE PLANS.
6. ALL INTERIOR JOINTS TO BE POINTED FULL AND FLUSH.
7. WHERE DEPTH OF M-1 MANHOLES EXCEED 10 FEET, WALL THICKNESS BELOW THE 8 FOOT DEPTH SHALL BE 1'-0". MAXIMUM DEPTH TO BE 13 FEET.
8. FRAMES TO BE SET IN FULL BED OF STIFF MORTAR (See STD. DWG. DR-2).
9. ADJUST TO GRADE WITH CONCRETE BRICK, AS REQUIRED (12" MAX.).
10. WHERE MANHOLE, TYPE P-1 OR MANHOLE, TYPE P-2 ARE USED THE STRAIGHT SIDE OF EACH SECTION WILL BE SET PLUMB.
11. STEEL REINFORCEMENT FOR PRECAST REINFORCED CONCRETE MANHOLE FLAT TOP SHALL BE AS PER ASTM DESIGNATION C 478.

0 ½ 1 2 3 4

ORIGINAL SIZE IN INCHES

APP.	NO.	DATE	REVISION
	2	11/93	Revised wall thickness of Manhole
	1	9/87	Minor Revisions
		3/87	Reissued; Conforms to 1987 Specs.

NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE

MANHOLE AND PIPE PLACEMENT DETAILS

OFFICE OF THE CHIEF ENGINEER
NEW BRUNSWICK NEW JERSEY

1987 STANDARD
DRAWING DR-3

CONTRACT NO. SHEET NO. OF