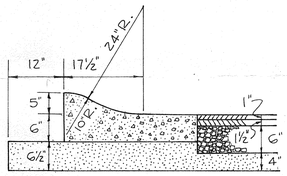
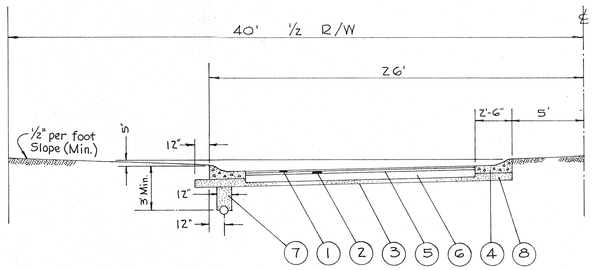
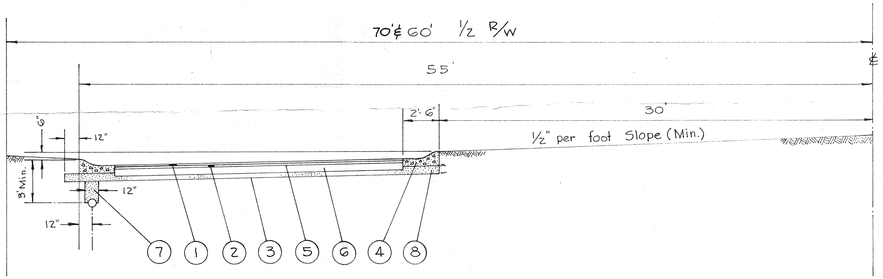
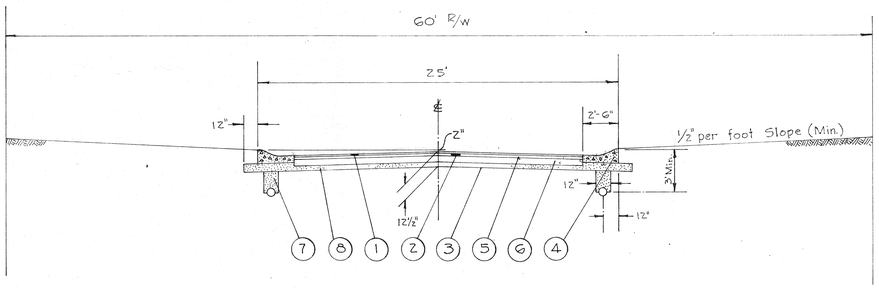


INTEGRAL CURB & GUTTER DETAIL

SCALE: 3/16" = 1'-0"







TYPICAL SECTIONS

SCALE: 1" = 5'-0"

1	404	1" Asphalt Concrete (70-85) (Surface)
2	402	1½" Asphalt Concrete (Leveling)
3	203	Subgrade Preparation
4	609	Concrete Curb (Mountable) and Gutter
5	408	Bituminous Prime Coat (0.35 Gal. per sq.yd. of Base)
6	304	6" Aggregate Base Course
7	605	6" Pipe Underdrain
8	310	4" Subbase

Concrete street over Bridge.

SPECIFICATIONS

ALL CASTINGS MUST MEET A.S.T.M. SPECIFICATIONS. BE POURED IN A CLOSED MOULD AND SHALL BE TRUE TO PATTERN. BE FREE OF BLOWS, POROSITY, BURRS, AND OTHER DEFECTS AND SHALL NOT UNDER ANY CIRCUMSTANCES BE PLUGGED. BE OF A GOOD GRADE OF MACHINABLE GREY IRON USED IN COMMERCIAL CASTINGS. ALL BEARING BASES SHALL BE MACHINED WHEN USED BY TRAFFIC.

CASTINGS
If castings are delivered to the job unpainted they shall be given one coat of asphalt varnish or coal-tar pitch paint by the Contractor.

NOTE:
WHEN MANHOLE IS LOCATED WITHIN THE PAVEMENT AREA, THE BACKFILL MATERIAL SHALL BE GRANULAR AND IT SHALL BE TAMPED IN PLACE AND THEN INUNDATED. GRANULAR MATERIAL IS CONSTRUED TO MEAN SAND, SCREENINGS, GRAVEL OR SIMILAR SUITABLE MATERIAL AND IS TO BE APPROVED BY THE ENGINEER.

WHEN MANHOLE IS LOCATED OUTSIDE OF THE PAVEMENT AREA, EARTH BACKFILL MAY BE USED.

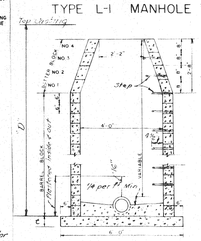
CAUTION SHALL BE EXERCISED IN SETTING THE BASIN CASTING ON A FRESH MORTAR BED TO INSURE UNIFORM SUPPORT FOR THE CASTING.

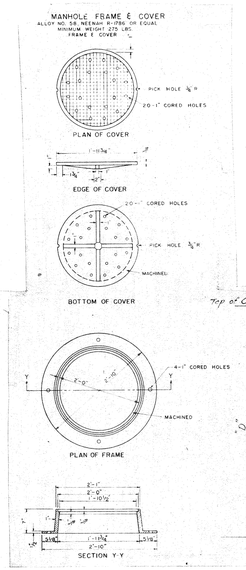
$t = 5/8$" "D" up to 8 incl. 12"
$t = 1/2$" "D" over 12"

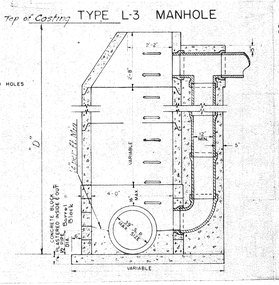
MATERIAL REQUIREMENTS
CONCRETE BLOCK REQUIRED
NO 1 BATTER BLOCK - 12
NO 2 " " - 12
NO 3 " " - 12
NO 4 " " - 1
BARREL BLOCK - 12 PER COURSE

MORTAR REQUIRED
2 CU. FT. CEMENT PER 100 BLOCK
4 CU. FT. SAND

CONCRETE BASE AND INVERT TO BE CONSTRUCTED OF CLASS "C" CONCRETE







SPECIFICATIONS

ALL CASTINGS MUST MEET A.S.T.M. SPECIFICATIONS. BE POURED IN A CLOSED MOULD AND SHALL BE TRUE TO PATTERN. BE FREE OF BLOWS, POROSITY, BURRS, AND OTHER DEFECTS AND SHALL NOT UNDER ANY CIRCUMSTANCES BE PLUGGED. BE OF A GOOD GRADE OF MACHINABLE GREY IRON USED IN COMMERCIAL CASTINGS. ALL BEARING BASES SHALL BE MACHINED WHEN USED BY TRAFFIC.

CASTINGS
If castings are delivered to the job unpainted they shall be given one coat of asphalt varnish or coal-tar pitch paint by the Contractor.

NOTE:
WHEN MANHOLE IS LOCATED WITHIN THE PAVEMENT AREA, THE BACKFILL MATERIAL SHALL BE GRANULAR AND IT SHALL BE TAMPED IN PLACE AND THEN INUNDATED. GRANULAR MATERIAL IS CONSTRUED TO MEAN SAND, SCREENINGS, GRAVEL OR SIMILAR SUITABLE MATERIAL AND IS TO BE APPROVED BY THE ENGINEER.

WHEN MANHOLE IS LOCATED OUTSIDE OF THE PAVEMENT AREA, EARTH BACKFILL MAY BE USED.

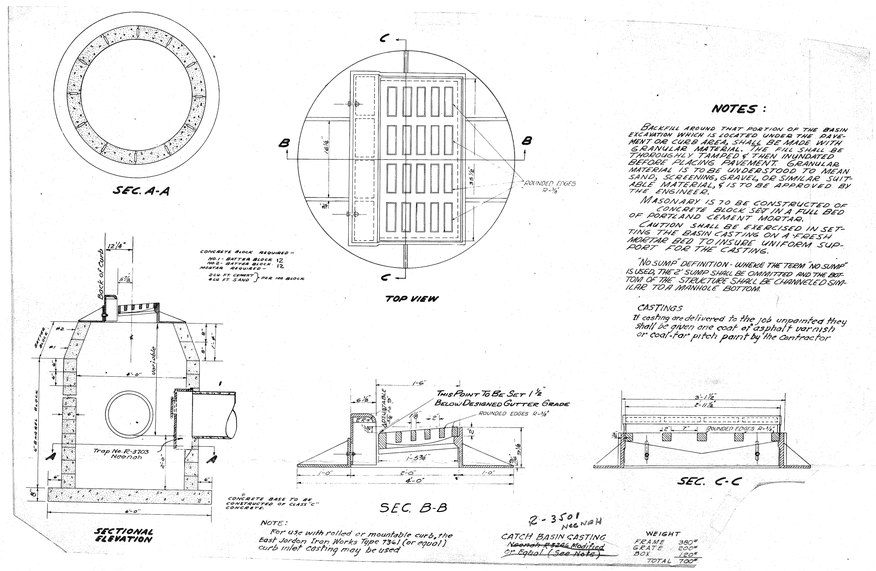
CAUTION SHALL BE EXERCISED IN SETTING THE BASIN CASTING ON A FRESH MORTAR BED TO INSURE UNIFORM SUPPORT FOR THE CASTING.

NOTE:
Precast reinforced concrete riser rings and domes shall comply with the requirements of "NOLE except for Minimum Design and Marking. Minimum wall thickness shall be 1½" and design for reinforcement shall be based on 2000 psi minimum. 32 ounces pounds per square inch. 1/8" holes for handling may be cast in domes and rings.

Precast reinforced conc. riser rings may be used for bottom section of manholes for pipe sections up to and including 18" for sizes over 18" construction shall conform to Standard drawing.

$t = 5/8$" up to 8" incl. D. 12".
$t = 1/2$" for 12" over 12".

DETAILS - L-1 MANHOLE & L-3 MANHOLE



NOTES:

BACKFILL AROUND THAT PORTION OF THE BASIN EXCAVATION WHICH IS LOCATED UNDER THE PAVEMENT OR CURB AREA, SHALL BE MADE WITH GRANULAR MATERIAL. THE FILL SHALL BE THOROUGHLY TAMPED & THEN INUNDATED BEFORE PLACING PAVEMENT. GRANULAR MATERIAL IS TO BE UNDERSTOOD TO MEAN SAND, SCREENING, GRAVEL OR SIMILAR SUITABLE MATERIAL & IS TO BE APPROVED BY THE ENGINEER.

MASONARY IS TO BE CONSTRUCTED OF CONCRETE BLOCK SET IN A FULL BED OF PORTLAND CEMENT MORTAR.

CAUTION SHALL BE EXERCISED IN SETTING THE BASIN CASTING ON A FRESH MORTAR BED TO INSURE UNIFORM SUPPORT FOR THE CASTING.

NO SUMP DEFINITION - WHERE THE TERM "NO SUMP" IS USED, THE 2" SUMP SHALL BE OMMITTED AND THE BOTTOM OF THE STRUCTURE SHALL BE CHANNELED SMOOTH TO A MANHOLE BOTTOM.

CASTINGS
If castings are delivered to the job unpainted they shall be given one coat of asphalt varnish or coal-tar pitch paint by the Contractor.

NOTE:
For use with rolled or mountable curb, the East Jordan Iron Works Type 7341 (or equal) curb inlet casting may be used

2-3501 H46 U34

CATCH BASIN CASTING
~~Neenah R2502 Modified~~
~~or Equal (See Note)~~

WEIGHT	
FRAME	280#
GRATE	200#
BOX	220#
TOTAL	700#

DETAILS - TYPE A-2 CATCH BASIN