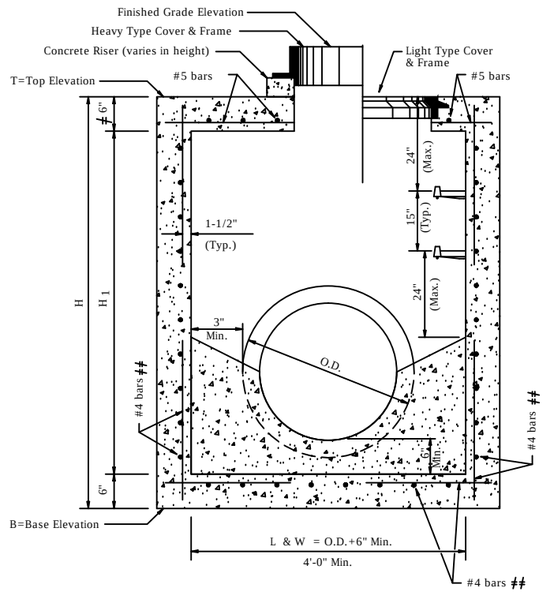
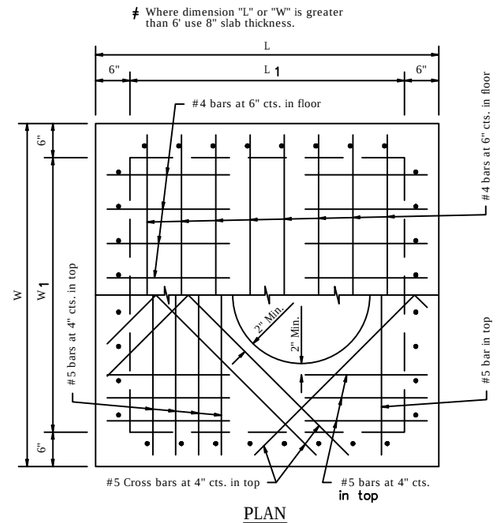
P:\DWGS\STANDARDS\Standard Details 2014 - NEW\Stnd07 STM SEWER(NEW).dwg, 12/2/2014 9:54:07 AM, 1:1

(Showing top & floor reinforcing)

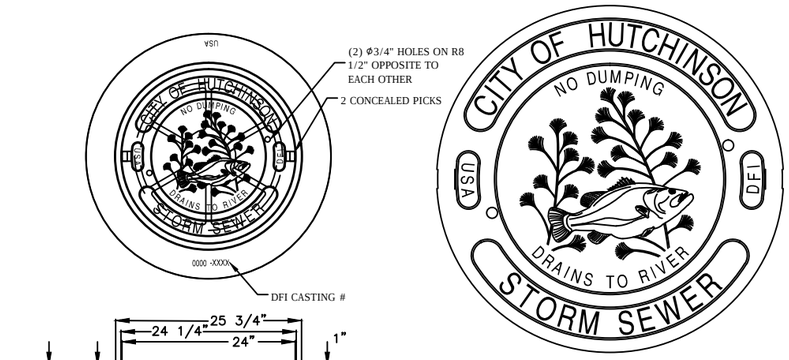


SECTION
No Scale

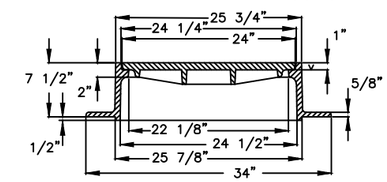
bars to be placed at 6" centers each way in walls and floor



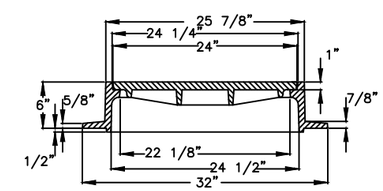
PLAN
No Scale



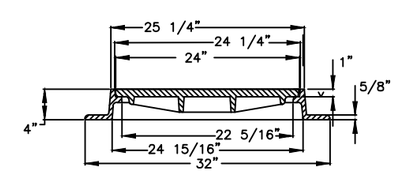
HUTCHINSON LID DESIGN FOR STORM SEWER MANHOLES AND INLETS



1258 HEAVY

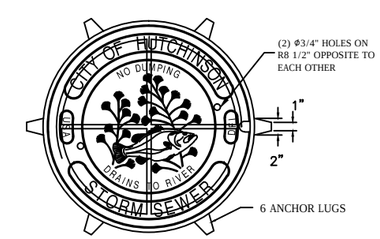


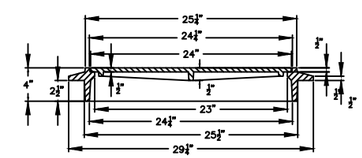
1257 HEAVY



1256 HEAVY

HEAVY TYPE MANHOLE COVER & FRAME
No Scale





2015 LIGHT

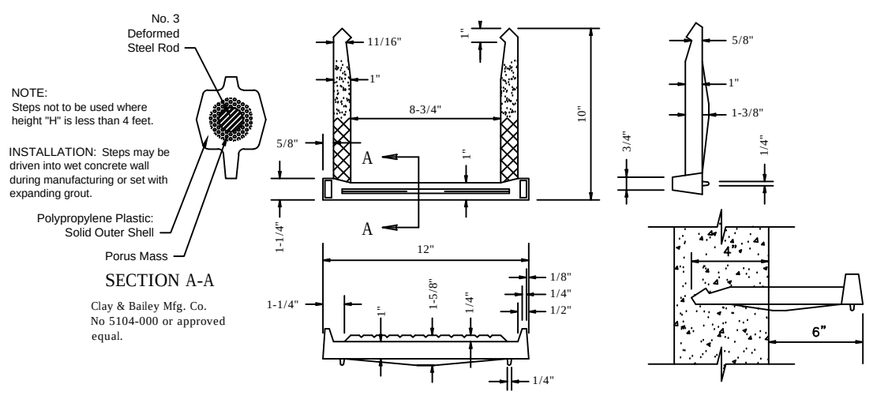
LIGHT TYPE MANHOLE COVER & FRAME
No Scale

MANHOLE CONSTRUCTION NOTES:

All manhole construction shall be water tight.
All precast concrete manhole sections shall conform to A.S.T.M. designation C-478.
Cement used in manhole walls to be Type II or Type V & shall conform to A.S.T.M. designation C-150.
All reinforcing bars shall be Grade 60, deformed and shall conform to A.A.S.H.T.O. M 31-74.
Welded wire fabric reinforcement shall conform to A.A.S.H.T.O. M55-73(A.S.T.M. 187-72).
Compressive strength of concrete shall be not less than 4,000 p.s.i.
Other pre-approved precast Manholes may be used in lieu of those shown on this sheet.

Class I concrete (AE) to be used in reinforced sections. Bevel all exposed edges with a 3/4" triangular molding. In general, pipes will enter and leave the manhole at various positions. Where possible bend bars around pipes. Manhole opening and steps, where used, shall be placed to afford easy access to floor. Top reinforcing bars to be adjusted accordingly. All reinforcing bars shall be Grade 60, deformed and shall conform to A.A.S.H.T.O. M31-74. Light type manhole cover and frame castings shall be used between existing or future back of curb and property line. Heavy type Manhole cover and frame casting shall be used in existing or future pavement and existing driveways or entrances.

Concrete inverts required unless specified by the Engineer.



STEP DETAILS
No Scale

CASTING NOTES

Heavy type manhole castings are to be Deeter Foundry's #1256,#1257, #1258 or approved equal. Light type manhole castings are to be Deeter Foundry No. 2015 or approved equal. Manhole frames and covers shall be manufactured from Gray Cast Iron conforming to A.S.T.M. Designation A48,-Class 25B. The frame and cover shall be supplied with machined bearing surfaces so fitting parts will not rattle or rock under traffic. For all castings grind all burrs smooth, thoroughly clean, then apply shop coat of coal tar enamel. Dimensions and weights of cast iron as shown on this sheet are minimum. Larger dimensions and/or heavier weights of cast iron may be used, if approved by Engineer.

NO.	DATE	REVISION	BY	APP'D
1	12/02/2014	Added inverts/ Added concrete riser	JMS	MEK

STORM SEWER MANHOLE STANDARD DETAILS

CITY OF HUTCHINSON ENGINEERING DEPARTMENT

DRAWN BY GTD
APPROVED BY JSP

Date	Standard Detail	Sheet No.
10/22/2013	07	#### OF ####