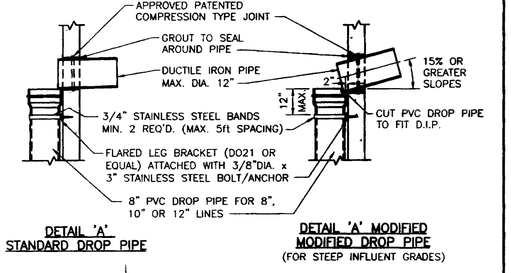
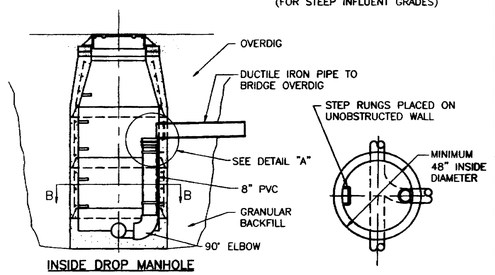
ISSUE	DATE / REMARKS
1	3-3-2015 Initial Submittal
2	5-7-2015 City Comments
3	6-26-2015 City & PWSD #2 Comments
4	11-5-2015 City Comments
5	12-10-2015 City Comments



DETAIL 'A'
STANDARD DROP PIPE

DETAIL 'A' MODIFIED
MODIFIED DROP PIPE
(FOR STEEP INFLUENT GRADES)

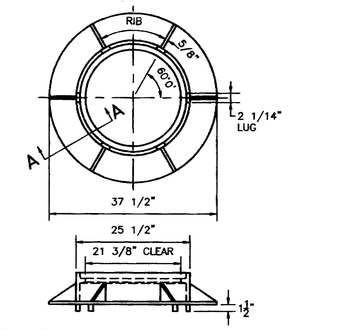


INSIDE DROP MANHOLE

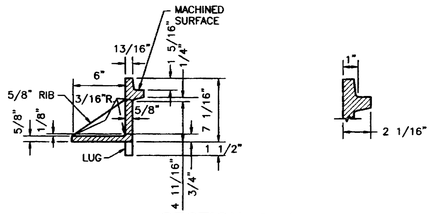
SECTION B–B

NOTE:
ALL INVERTS SHALL HAVE POSITIVE DRAINAGE THROUGH MANHOLE.

Duckett Creek Sanitary District				
INSIDE DROP MANHOLE	Dwn By: BSM	App By: KLA	Detail No.	10
	Chd By: MDOB	Date: 01-10-00		

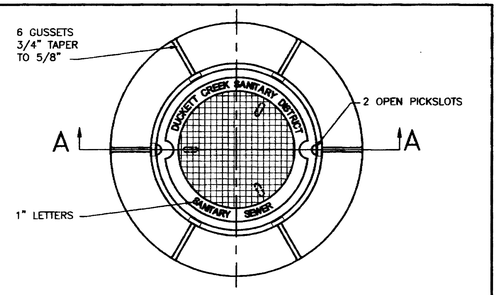


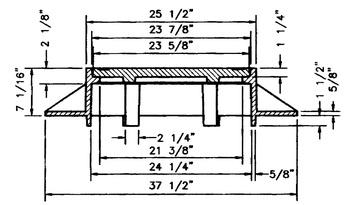
CAST IRON MANHOLE FRAME



SECTION A–A
(230 lbs)

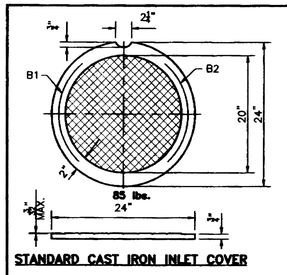
Duckett Creek Sanitary District				
CAST IRON MANHOLE FRAME	Dwn By: BSM	App By: KLA	Detail No.	11
	Chd By: MDOB	Date: 01-14-00		





SECTION A–A

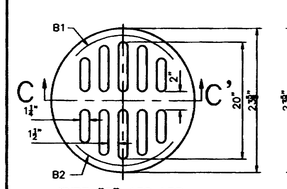
Duckett Creek Sanitary District				
MANHOLE FRAME AND COVER	Dwn By: BSM	App By: KLA	Detail No.	12
	Chd By: MDOB	Date: 01-14-00		



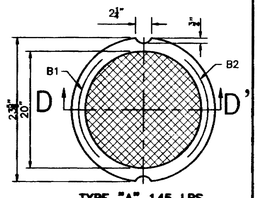
MACHINE CONTACTING SURFACES FOR SEAT OF STANDARD MANHOLE FRAME AND BEARING SURFACE COVER.

STANDARD CAST IRON INLET COVER

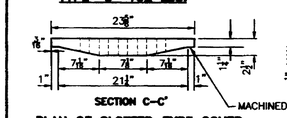
NOTE B:
PROVIDE 1/8" RAISED LETTERING APPROXIMATELY 3/4" TO 1" HIGH
B1: DUCKETT CREEK SANITARY DISTRICT
B2: SANITARY SEWER



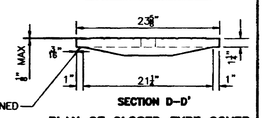
TYPE "B" 152 LBS.



TYPE "A" 145 LBS.



PLAN OF SLOTTED–TYPE COVER

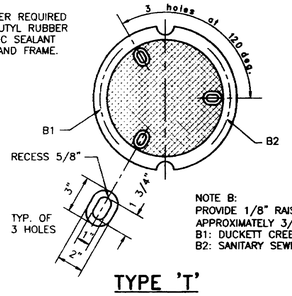


PLAN OF CLOSED–TYPE COVER

STANDARD CAST IRON MANHOLE COVERS

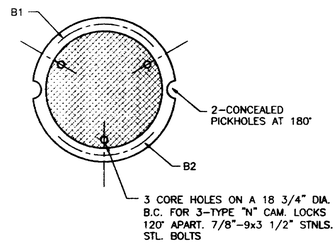
Duckett Creek Sanitary District				
CAST IRON COVERS MANHOLES AND INLETS	Dwn By: BSM	App By: KLA	Detail No.	13
	Chd By: MDOB	Date: 12-22-00		

NOTE:
IF WATERTITE COVER REQUIRED USE APPROVED BUTYL RUBBER PREFORMED MASTIC SEALANT BETWEEN COVER AND FRAME.



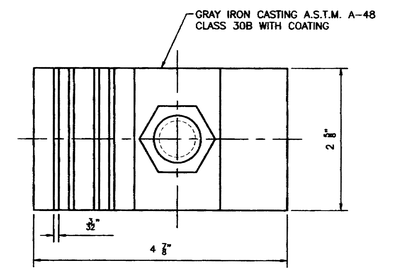
NOTE B:
PROVIDE 1/8" RAISED LETTERING APPROXIMATELY 3/4" TO 1" HIGH
B1: DUCKETT CREEK SANITARY DISTRICT
B2: SANITARY SEWER

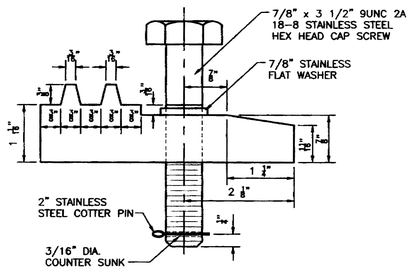
TYPE 'T'



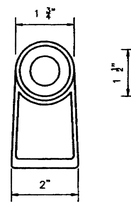
TYPE 'N'

Duckett Creek Sanitary District				
CAST IRON MANHOLE COVERS (LOCK TYPE)	Dwn By: BSM	App By: KLA	Detail No.	14
	Chd By: MDOB	Date: 12-27-00		

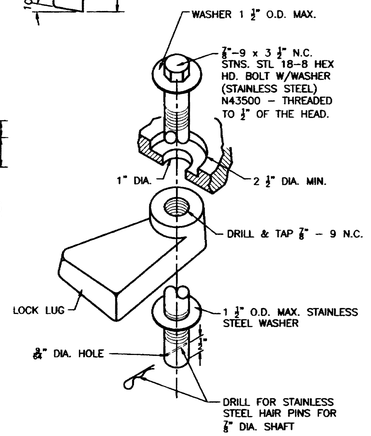




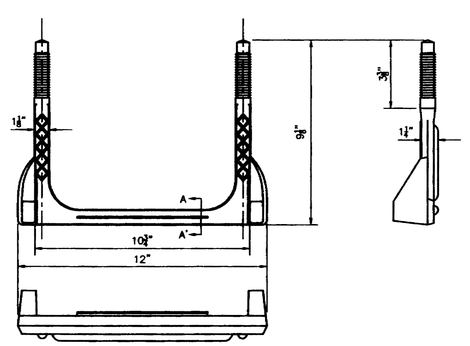
Duckett Creek Sanitary District				
LOCKING DEVICE FOR TYPE "T" LOCK TYPE MANHOLE COVER	Dwn By: BSM	App By: KLA	Detail No.	15
	Chd By: MDOB	Date: 12-27-00		

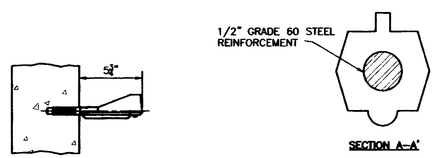


LOCK LUG
N.T.S.



Duckett Creek Sanitary District				
LOCKING DEVICE FOR TYPE "N" LOCK TYPE MANHOLE COVER	Dwn By: BSM	App By: KLA	Detail No.	16
	Chd By: MDOB	Date: 12-28-00		





COPOLYMER POLYPROPYLENE PLASTIC

Duckett Creek Sanitary District				
MANHOLE STEP PRECAST MANHOLE	Dwn By: BSM	App By: KLA	Detail No.	18
	Chd By: MDOB	Date: 1-3-01		

PROJECT TITLE
The Villages at Shady Creek
O'FALLON, MISSOURI

THE STERLING CO.
ENGINEERS & SURVEYORS
5055 New Baumgartner Road
St. Louis, Missouri 63129
Ph 314-487-0440 Fax 314-487-8944
www.sterling-eng-sur.com
Corporate Certificate of Authority #001348

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STATE OF MISSOURI
RODNEY ARNOLD
NUMBER PE-2002016612
PROFESSIONAL ENGINEER

Date:12/10/2015
RODNEY ARNOLD
LICENSE # PE-2002016612
Civil Engineer

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O'Fallon, Missouri 63368
Ph. (636) 265-2710
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www.lombardohomesstlouis.com

SANITARY SEWER DETAILS

P+Z No.	P&Z NO
City No.	15-162-SP
Date:	12/10/2015
Job No.	14-03-087

Page No.
DTL-4
IMP

"Final Plan" Approval Date: January 8, 2015 (26–14.01)

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