

MAXIMUM SPAN X OR Y	DEPTH V	THICKNESS T	NO. & FLR. REIN.
3'-0" to 4'-0"	4'-0"	6"	#4 @ 18"
4'-1" to 5'-0"	4'-0"	6"	#4 @ 12"
5'-1" to 6'-0"	4'-0"	6"	#4 @ 12"
6'-1" to 8'-0"	4'-0"	6"	#4 @ 12"
8'-1" to 10'-0"	4'-0"	6"	#4 @ 12"
10'-1" to 12'-0"	4'-0"	6"	#4 @ 12"
12'-1" to 14'-0"	4'-0"	6"	#4 @ 12"
14'-1" to 16'-0"	4'-0"	6"	#4 @ 12"
16'-1" to 18'-0"	4'-0"	6"	#4 @ 12"
18'-1" to 20'-0"	4'-0"	6"	#4 @ 12"
20'-1" to 24'-0"	4'-0"	6"	#4 @ 12"
24'-1" to 28'-0"	4'-0"	6"	#4 @ 12"
28'-1" to 32'-0"	4'-0"	6"	#4 @ 12"
32'-1" to 36'-0"	4'-0"	6"	#4 @ 12"
36'-1" to 40'-0"	4'-0"	6"	#4 @ 12"
40'-1" to 44'-0"	4'-0"	6"	#4 @ 12"
44'-1" to 48'-0"	4'-0"	6"	#4 @ 12"
48'-1" to 52'-0"	4'-0"	6"	#4 @ 12"
52'-1" to 56'-0"	4'-0"	6"	#4 @ 12"
56'-1" to 60'-0"	4'-0"	6"	#4 @ 12"
60'-1" to 64'-0"	4'-0"	6"	#4 @ 12"
64'-1" to 68'-0"	4'-0"	6"	#4 @ 12"
68'-1" to 72'-0"	4'-0"	6"	#4 @ 12"
72'-1" to 76'-0"	4'-0"	6"	#4 @ 12"
76'-1" to 80'-0"	4'-0"	6"	#4 @ 12"
80'-1" to 84'-0"	4'-0"	6"	#4 @ 12"
84'-1" to 88'-0"	4'-0"	6"	#4 @ 12"
88'-1" to 92'-0"	4'-0"	6"	#4 @ 12"
92'-1" to 96'-0"	4'-0"	6"	#4 @ 12"
96'-1" to 100'-0"	4'-0"	6"	#4 @ 12"

NOTES:
 1. Concrete shall be CL 3300-1½ unless otherwise noted.
 2. Reinforcing steel shall comply with this drawing unless otherwise specified.
 3. Reinforcing steel shall be intermediate grade deformed bars conforming to latest ASTM specifications.
 4. Bends shall be in accordance with latest ACI code.
 5. Minimum splice length for reinforcing shall be 30 diameters.
 6. Floor shall have a wood trowel finish and, except where used at junction boxes, shall have a minimum slope of 1" per foot toward the outlet.
 7. Depth V is measured from the top of the structure to the flowline of the box.
 8. Wall thickness and reinforcing steel required may be decreased in accordance with table above.
 9. Wall thickness shall be stepped on the outside of the box.
 10. Steps shall be cast into wall at 15 inch intervals from 15 inches above floor to within 12 inches of top of structure. Where possible, place steps in wall without pipe opening, otherwise over opening of smallest diameter.

Revision	Approved	Date	DOUGLAS COUNTY PUBLIC WORKS STANDARD DRAWING	Drawn GLD	Checked GJ
			INLETS & CLEAN-OUT NOTES & DETAILS	Approved K. L. Anderson 2/21/93	Date
				Drawing Number	S-38

NOTES:
 1. CONCRETE SHALL BE CLASS 3300-1½.
 2. SEE DRAWINGS S-8 AND S-9 FOR JOINT LOCATION AND DETAILS.

Revision	Approved	Date	DOUGLAS COUNTY PUBLIC WORKS STANDARD DRAWING	Drawn GLD	Checked GJ
			CURB & GUTTER MONOLITHIC	Approved K. L. Anderson 2/21/93	Date
				Drawing Number	S-2

NOTES:
 1. 1½" x 1½" INCYCLE CROSSBARS SHALL BE ADDED TO GRATE WHEN REQUIRED.

Revision	Approved	Date	DOUGLAS COUNTY ENGINEERING DEPARTMENT STANDARD DRAWING	Drawn A. Carlson	Checked GJ
			CATCH BASIN FRAME & GRATE	Approved K. L. Anderson 2/21/93	Date
				Drawing Number	S-27

NOTE: SHAPE FLOOR OF CATCH BASINS TO CONFORM WITH PIPE UNLESS OTHERWISE DIRECTED.

NOTE: CONSTRUCT CATCH BASIN PER DETAILS BUT WITH DIMENSION (X) TO ACCOMMODATE LARGEST PIPE DIAMETER SPECIFIED. WHEN X EXCEEDS 18" PROVIDE TWO GRATES.

Revision	Approved	Date	DOUGLAS COUNTY ENGINEERING DEPARTMENT STANDARD DRAWING	Drawn R. Fullmer	Checked GJ
			CATCH BASIN TYPE A	Approved K. L. Anderson 2/21/93	Date
				Drawing Number	S-24

NOTE: Coat outside of frame with asphalt where it comes in contact with concrete.

NOTE: Cap screw detail for watertight cover.

Revision	Approved	Date	DOUGLAS COUNTY PUBLIC WORKS STANDARD DRAWING	Drawn GLD	Checked GJ
			MANHOLE COVER & FRAME	Approved K. L. Anderson 2/21/93	Date
				Drawing Number	S-41

NOTES:
 1. See Standard Drawing S-38 for additional notes and details.
 2. All joints shall be set in mortar.
 3. All precast components shall be reinforced with 1/4" diameter steel wound spirally on 4" centers.
 4. Maintain 1 1/2" clear spacing between reinforcing and surface.
 5. Concrete base shall be CLASS 3300 - 1 1/2".
 6. Exposed edges of concrete shall be rounded with a radius of 1/2".

Revision	Approved	Date	DOUGLAS COUNTY PUBLIC WORKS STANDARD DRAWING	Drawn GLD	Checked GJ
			SANITARY MANHOLE TYPE S	Approved K. L. Anderson 2/21/93	Date
				Drawing Number	S-40

CLEAN-OUT DETAIL

PIPE TRENCH AND BACKFILL

FILED
 Date: 1-31-92 by: JP
 This survey consists of:
 Map:
 Narrative:
 Corner Rpt:
 DOUGLAS COUNTY SURVEYOR



CONSTRUCTION DETAILS
 EASTVIEW SUBDIV. → LOGAN CREST ESTATES

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 OF OREGON, INC.
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DESIGNED:	DRAWN:	CHECKED:	REF.
DATE:	JOB NO.	SHEET	OF
3/22/93	92181	3	3

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