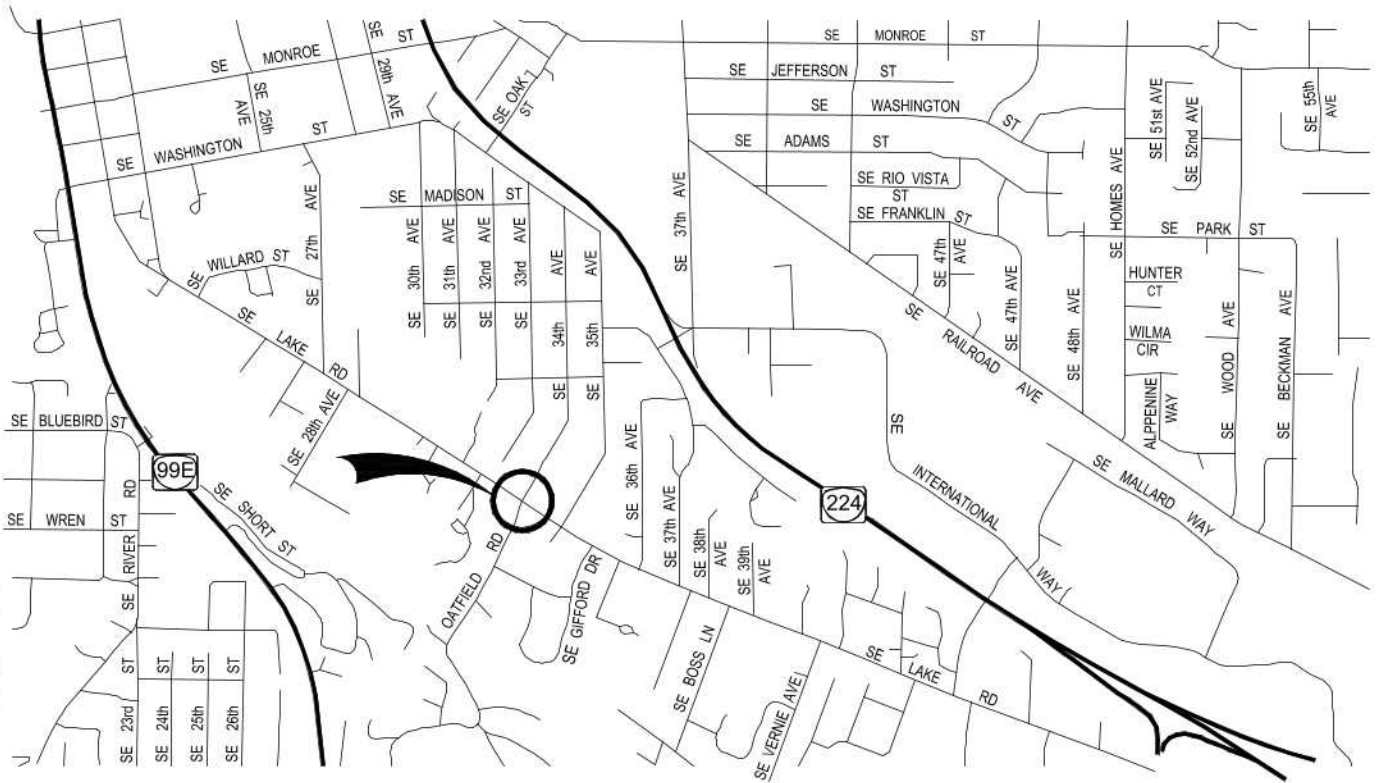


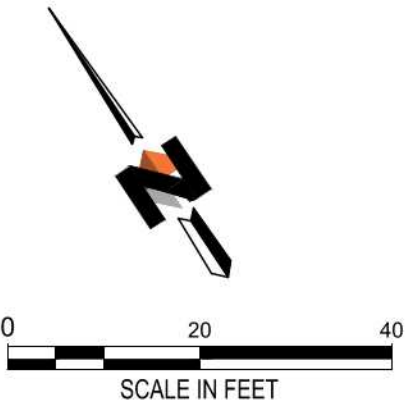
PLAN
SCALE: 1" = 20'



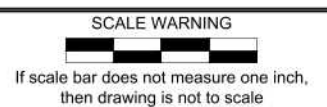
LOCATION MAP
SCALE: NTS

NOTES:

- ① ESTIMATED 75 SQUARE YARDS OF COLD PLANE PAVEMENT REMOVAL TO BE PERFORMED PER SECTION 00620, FROM 0 TO 1.5 INCHES IN DEPTH (FIELD VERIFY POSITIVE DRAINAGE ACROSS INTERSECTION). FOG COAT TO BE APPLIED TO AREA PER SECTION 00705.
- ② RESTRIPPING DUE TO PAVEMENT REMOVAL (IF NEEDED).



△	DATE	REVISION	BY	ACCOMPANIED BY DRAWINGS:

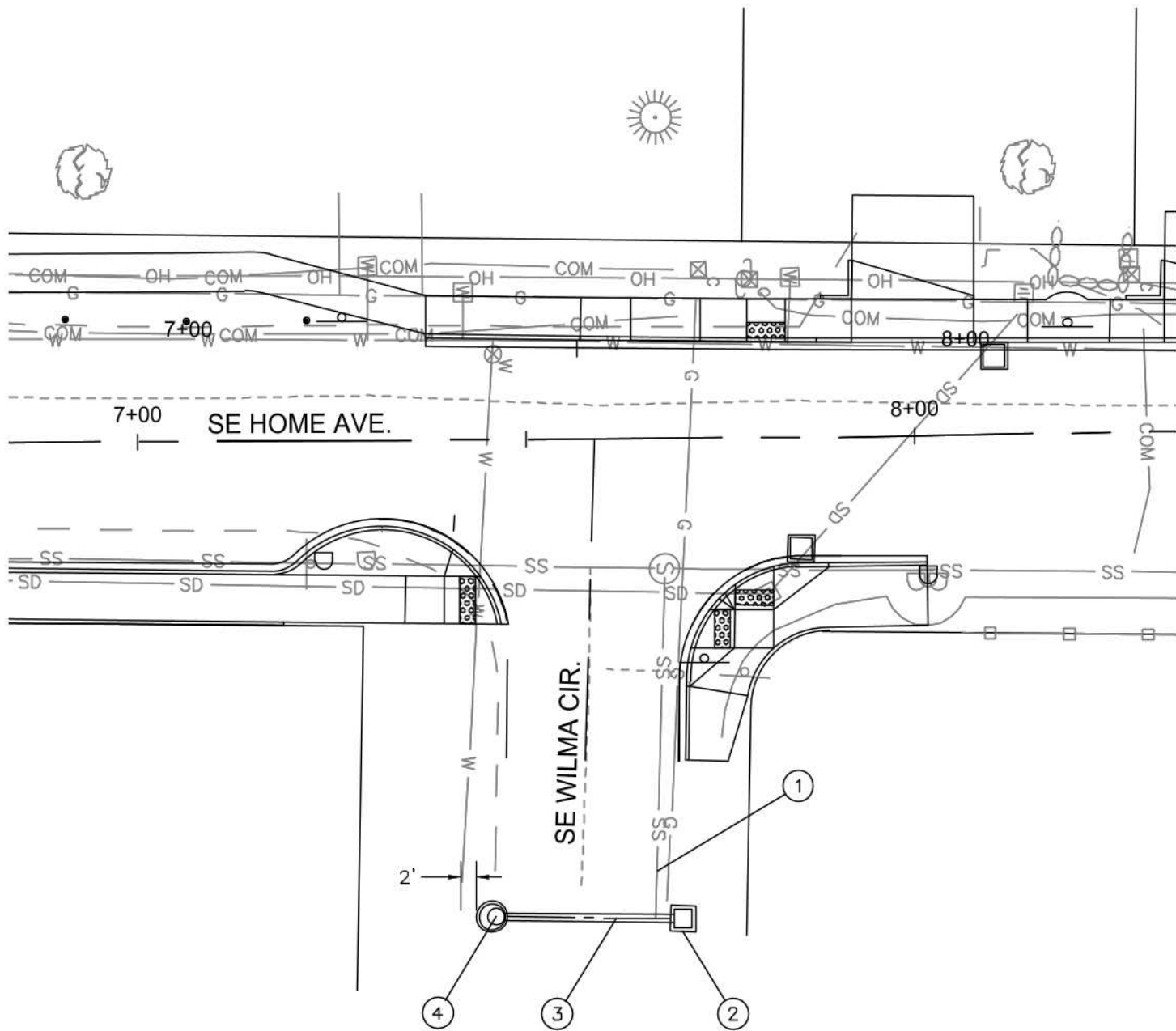


**CITY OF MILWAUKIE
DRAINAGE PROJECT**

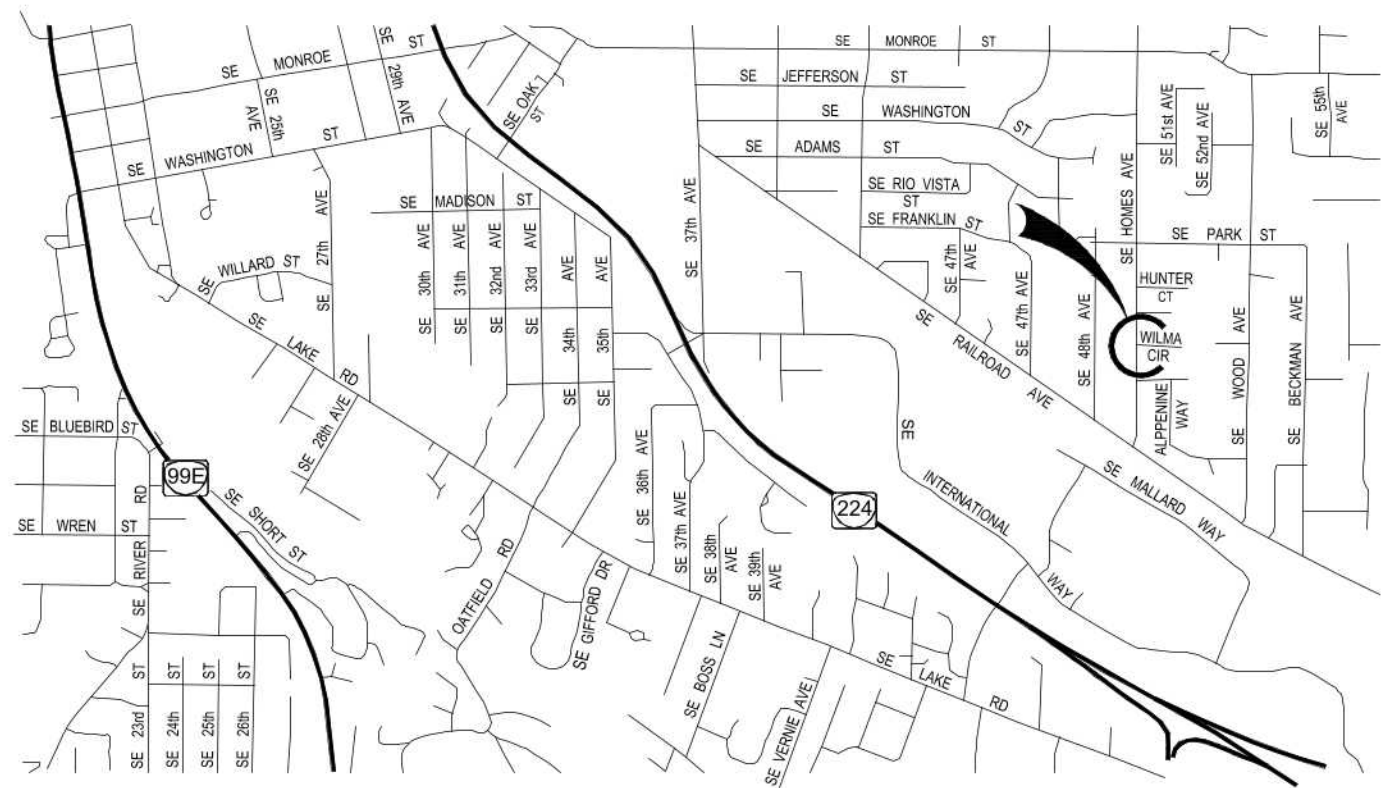
CLACKAMAS COUNTY

LAKE ROAD DRAINAGE REPAIR

5 Centerpoints, Ste. 350 Lake Oswego, Oregon 97035 503-620-6103 WWW.DOWL.COM				
DESIGNER: Joe Zaleski, PE		REVIEWER: Jason Kelly, PE		
CHECKER: Jason Kelly, PE		DRAFTER: Bill Kuenne		
DATE SEPT 2024	STRUCTURE NO. -	CALC. BOOK 0000	SHEET 1 OF 4	DRAWING NO. D-1



PLAN
SCALE: 1" = 20'



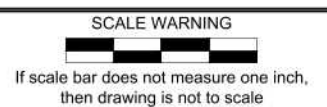
LOCATION MAP
SCALE: NTS

NOTES:

- ① POTHOLE SEWER AND WATER UTILITIES PRIOR TO ANY EXCAVATION WORK. CONTACT 811 PRIOR TO ANY EXCAVATION WORK.
- ② G-2 CATCHBASIN, GRATE, AND FRAME INSTALLATION AS PER CITY OF MILWAUKIE STANDARD DRAWING NOS. 201, 204, AND 205. SEE SHEET 3 FOR DETAILS.
- ③ INSTALL 20 - FEET OF 12" REINFORCED CONCRETE PIPE. TRENCH TO BE CUT THROUGH OLD PAVEMENT SECTION. DEPTH OF STORM DRAIN PIPE WILL BE BASED ON DEPTH OF OTHER UTILITIES AS DISCOVERED DURING POTHOLES. BACKFILL WITH 3/4 - INCH CRUSHED AGGREGATE PER SECTION 00640. TRENCH RESURFACING SHOULD CONSIST OF HMA, PER SECTION 00744, AND MATCH EXISTING (NEW PAVEMENT) ASPHALT THICKNESS (4 - INCH MINIMUM).
- ④ DRYWELL AND STORM MANHOLE FRAME AND COVER INSTALLATION AS PER CITY OF MILWAUKIE STANDARD DRAWING NOS. 207 AND 208. SEE SHEET 4 FOR DETAILS. (MUST BE AT LEAST TWO FEET FROM EXIST. WATERLINE).



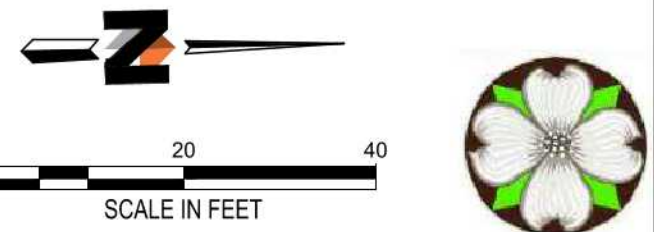
△	DATE	REVISION	BY	ACCOMPANIED BY DRAWINGS:



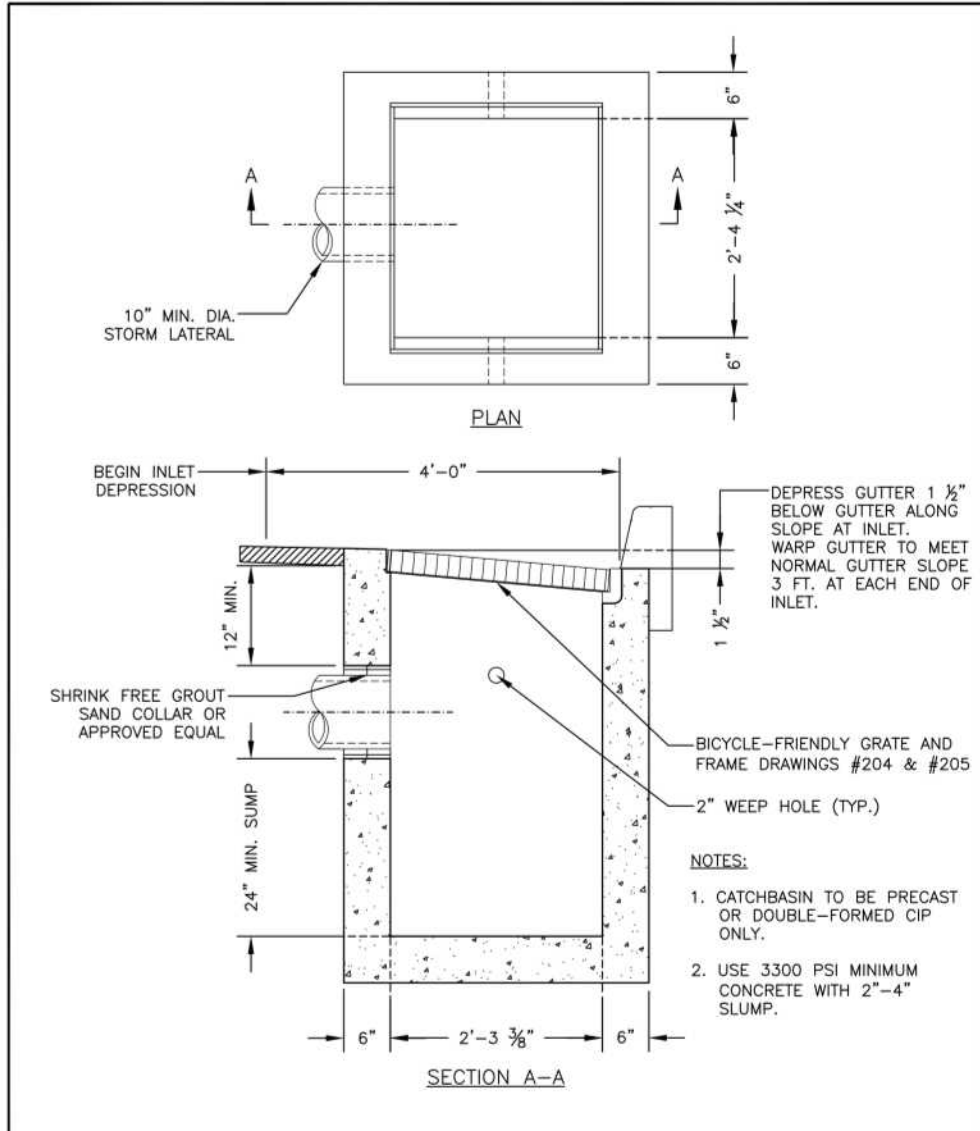
**CITY OF MILWAUKIE
DRAINAGE PROJECT**

CLACKAMAS COUNTY

SE HOME AVE. DRAINAGE REPAIR



5 Centerpoints, Ste. 350 Lake Oswego, Oregon 97035 503-620-6103 WWW.DOWL.COM				
DESIGNER: Joe Zaleski, PE		REVIEWER: Jason Kelly, PE		
CHECKER: Jason Kelly, PE		DRAFTER: Bill Kuenne		
DATE SEPT 2024	STRUCTURE NO. -	CALC. BOOK 0000	SHEET 2 OF 4	DRAWING NO. D-2



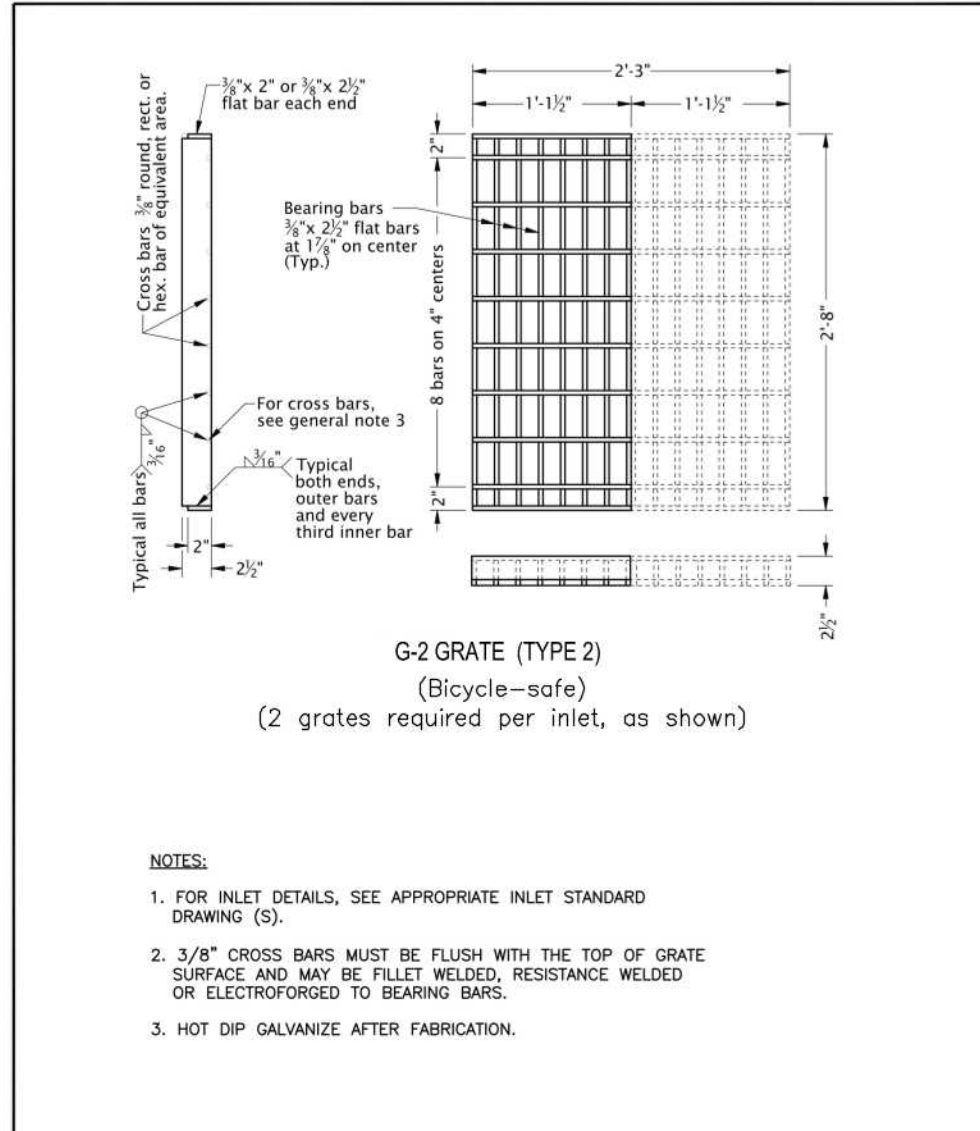
CITY OF MILWAUKIE, OREGON – PUBLIC WORKS DEPT.

G-2 Catchbasin

DRAWING NO. 201

APPROVED	<i>Joseph J. Zaleski</i>	NO.	REVISIONS	DATE	BY
		2	RENUMBERED DRAWING	11/18	TAP
		3	RENUMBERED DRAWING	08/19	TAP
		4	NOTE CHANGES	11/23	BB

CITY ENGINEER DATE 03/2024



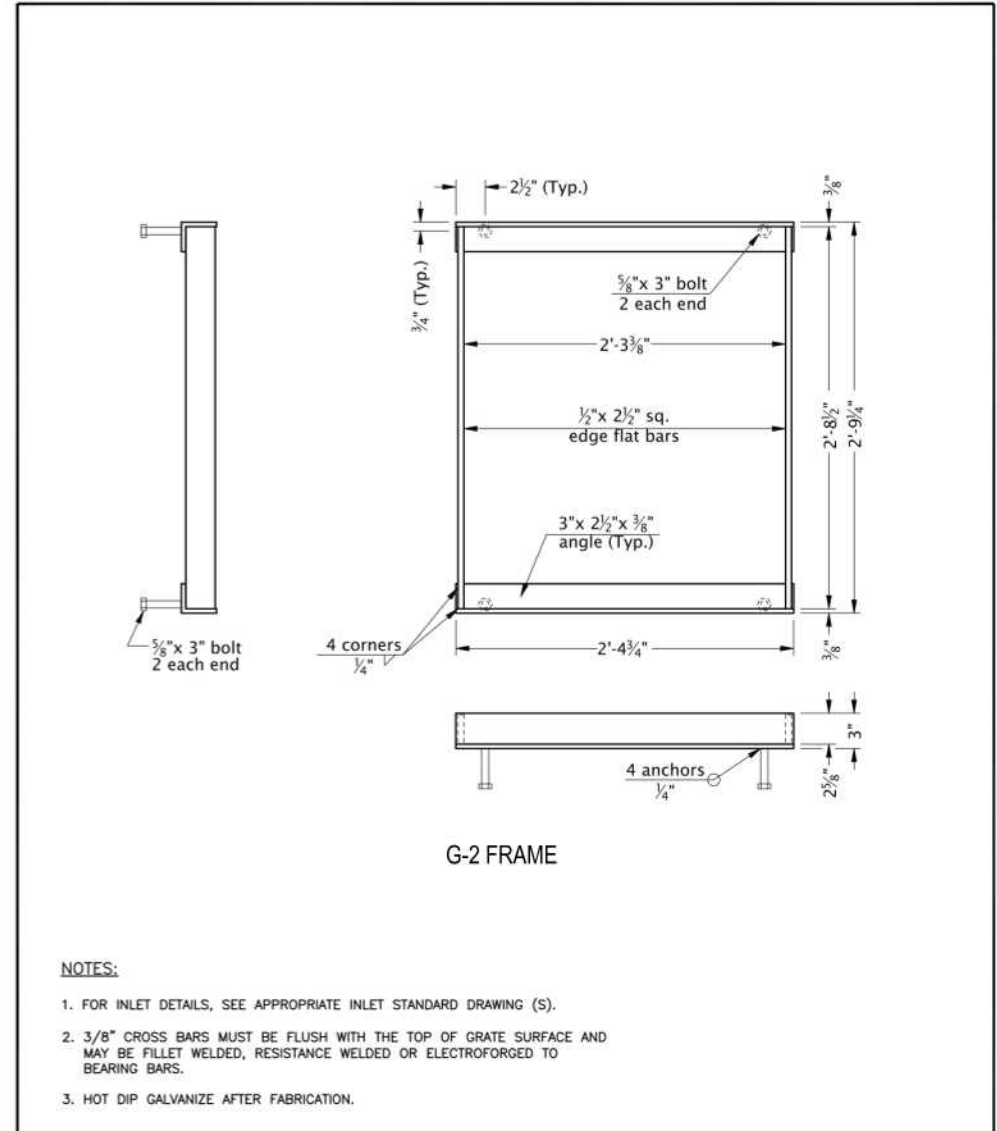
CITY OF MILWAUKIE, OREGON – PUBLIC WORKS DEPT.

G-2 Catchbasin Grate

DRAWING NO. 204

APPROVED	<i>Joseph J. Zaleski</i>	NO.	REVISIONS	DATE	BY
		2	DRAWING RENUMBERED	11/18	TAP
		3	DRAWING RENUMBERED, NOTE CHANGED	08/19	TAP
		4	NOTE CHANGED	11/23	BB

CITY ENGINEER DATE 03/2024



CITY OF MILWAUKIE, OREGON – PUBLIC WORKS DEPT.

G-2 Catchbasin Frame

DRAWING NO. 205

APPROVED	<i>Joseph J. Zaleski</i>	NO.	REVISIONS	DATE	BY
		1	RECREATED DRAWING	12/10	MCP
		2	DRAWING RENUMBERED	11/18	TAP
		3	DRAWING RENUMBERED, NOTE CHANGED	08/19	TAP

CITY ENGINEER DATE 03/2024



△	DATE	REVISION	BY

ACCOMPANIED BY DRAWINGS:

SCALE WARNING

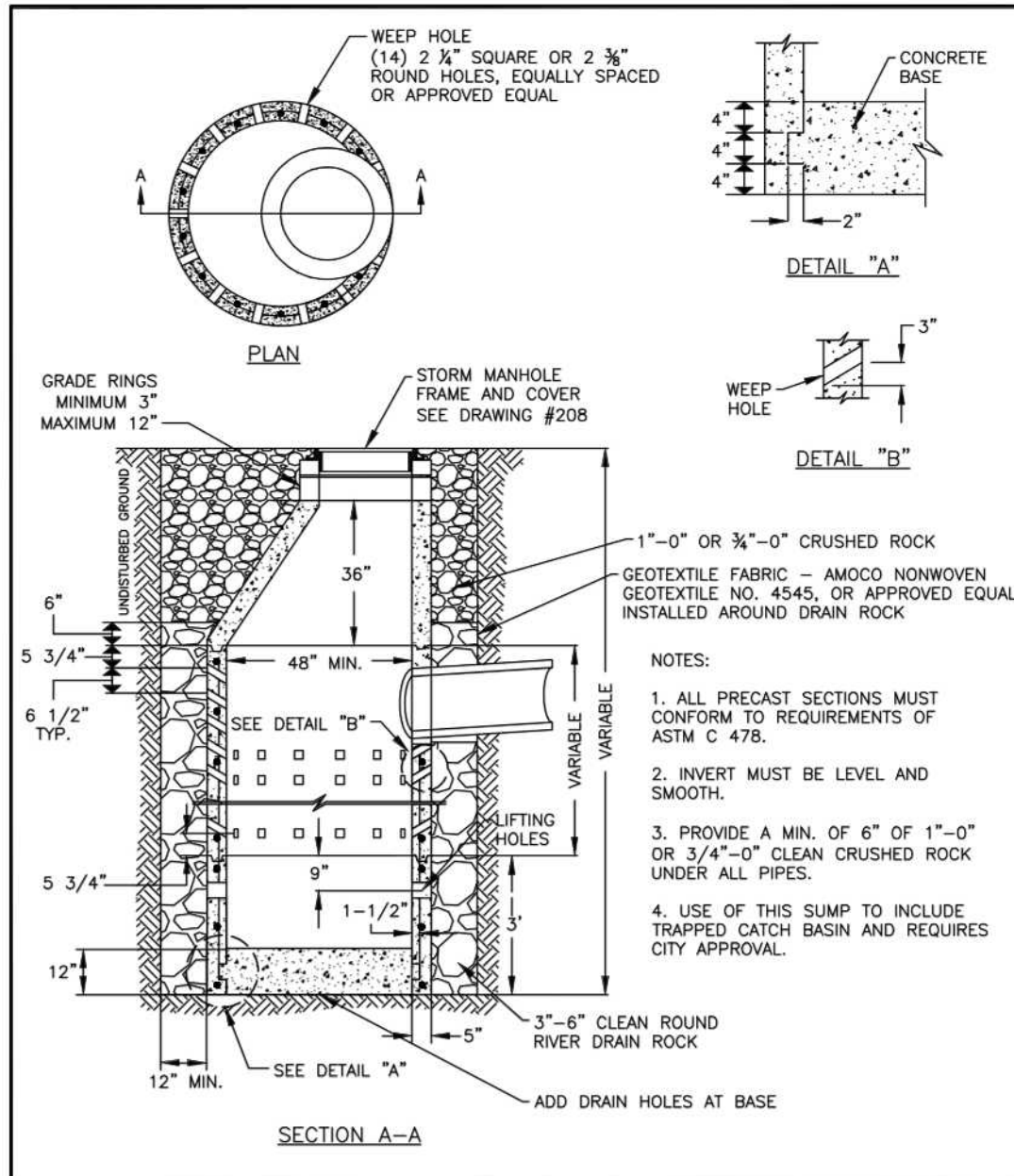
If scale bar does not measure one inch, then drawing is not to scale


CITY OF MILWAUKIE
DRAINAGE PROJECT

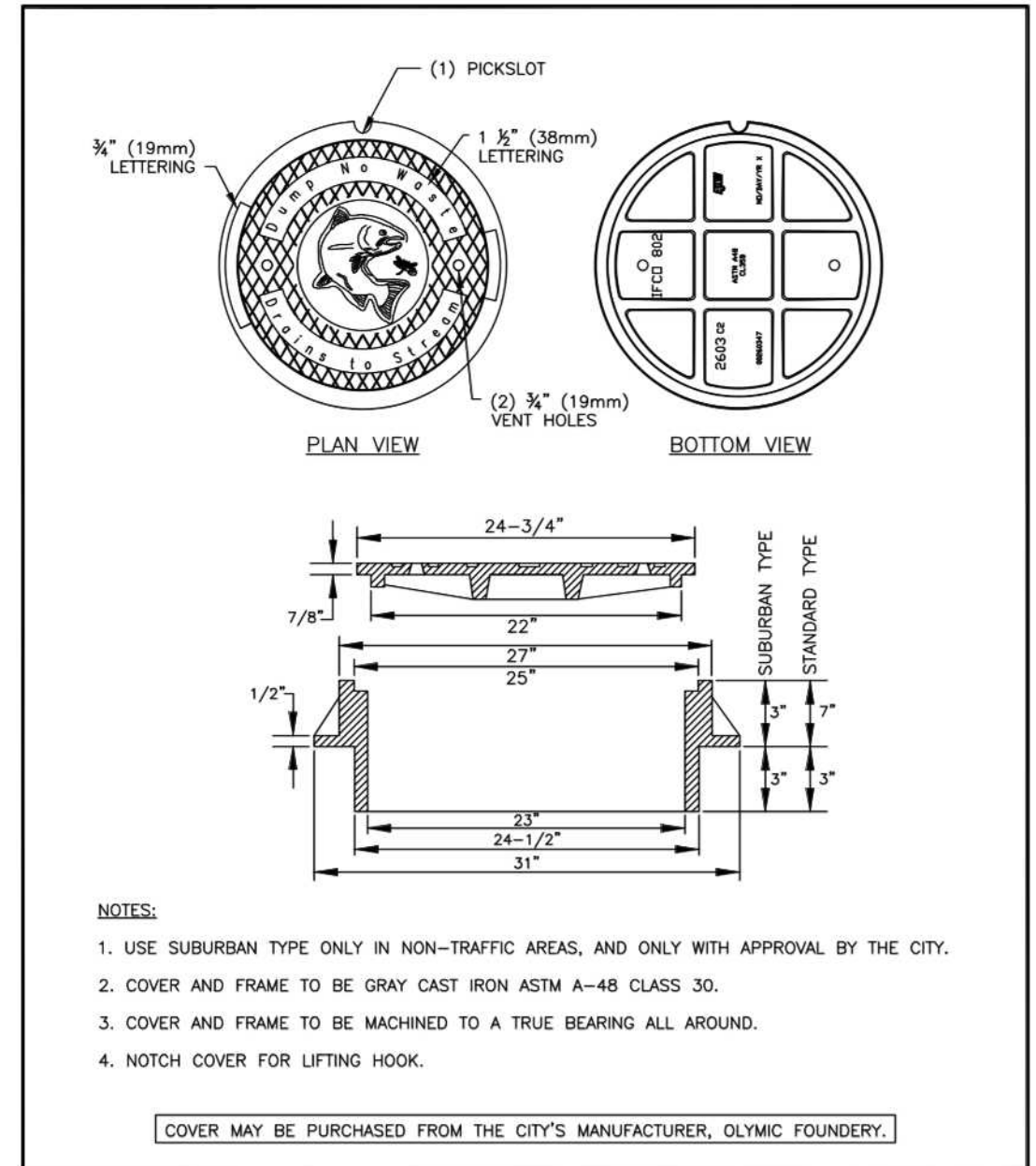
CLACKAMAS COUNTY

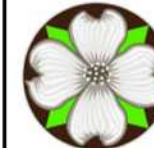
DRAINAGE REPAIR DETAILS

<p>5 Centerpoints, Ste. 350 Lake Oswego, Oregon 97035 503-620-6103 WWW.DOWL.COM</p>				
DESIGNER: Joe Zaleski, PE	REVIEWER: Jason Kelly, PE		DRAFTER: Bill Kuenne	
CHECKER: Jason Kelly, PE				
DATE: SEPT 2024	STRUCTURE NO.: -	CALC. BOOK: 0000	SHEET: 3 OF 4	DRAWING NO.: D-3



		CITY OF MILWAUKIE, OREGON - PUBLIC WORKS DEPT.				DRAWING NO.
		Drywell - Right-of-Way				207
APPROVED	<i>Joseph Zaleski</i>	NO.	REVISIONS	DATE	BY	
	03/2024	5	DRAWING NUMBER CHANGED, ADDED NOTE	11/18	TAP	
		6	RENUMBERED DRAWING, UPDATED NOTES	08/19	TAP	
		7	UPDATED NOTES	11/23	TAP	
CITY ENGINEER	DATE					



		CITY OF MILWAUKIE, OREGON - PUBLIC WORKS DEPT.				DRAWING NO.
		Storm Manhole Frame and Cover				208
APPROVED	<i>Joseph Zaleski</i>	NO.	REVISIONS	DATE	BY	
	03/2024	4	CHANGED DRAWING NUMBER	11/18	TAP	
		5	RENUMBERED DRAWING, NOTE CHANGED	08/19	TAP	
		6	NOTES CHANGED	11/23	BB	
CITY ENGINEER	DATE					



△	DATE	REVISION	BY

ACCOMPANIED BY DRAWINGS:


SCALE WARNING

If scale bar does not measure one inch, then drawing is not to scale

CITY OF MILWAUKIE
DRAINAGE PROJECT

CLACKAMAS COUNTY

DRAINAGE REPAIR DETAILS

		5 Centerpoints, Ste. 350 Lake Oswego, Oregon 97035 503-620-6103 WWW.DOWL.COM	
DESIGNER: Joe Zaleski, PE	REVIEWER: Jason Kelly, PE		
CHECKER: Jason Kelly, PE	DRAFTER: Bill Kuenne		
DATE SEPT 2024	STRUCTURE NO. -	CALC. BOOK 0000	SHEET 4 OF 4
			DRAWING NO. D-4

