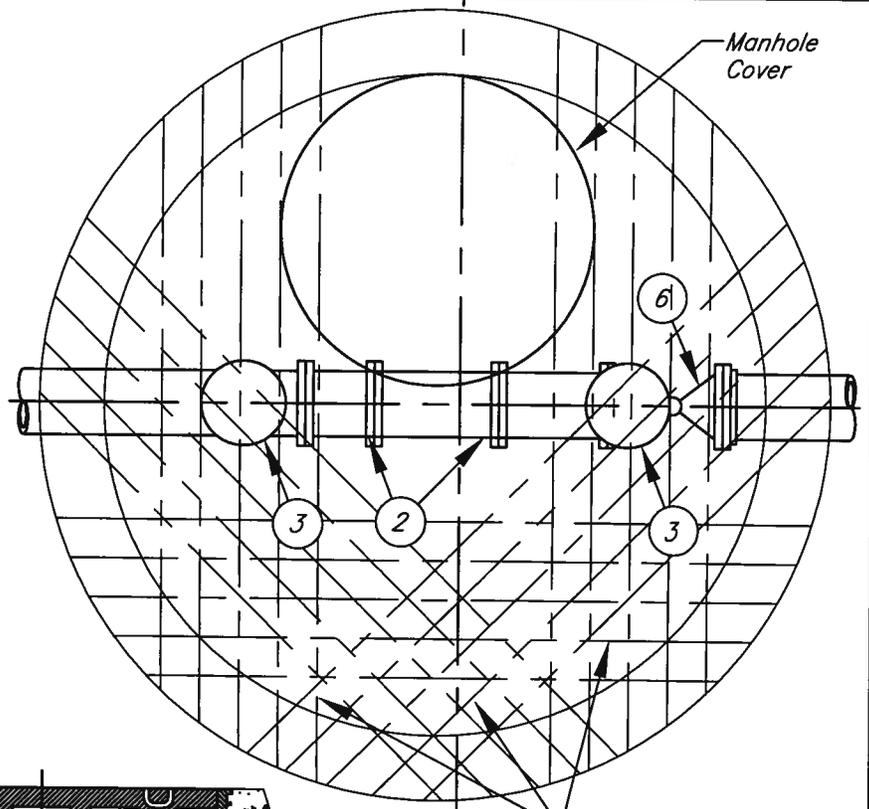
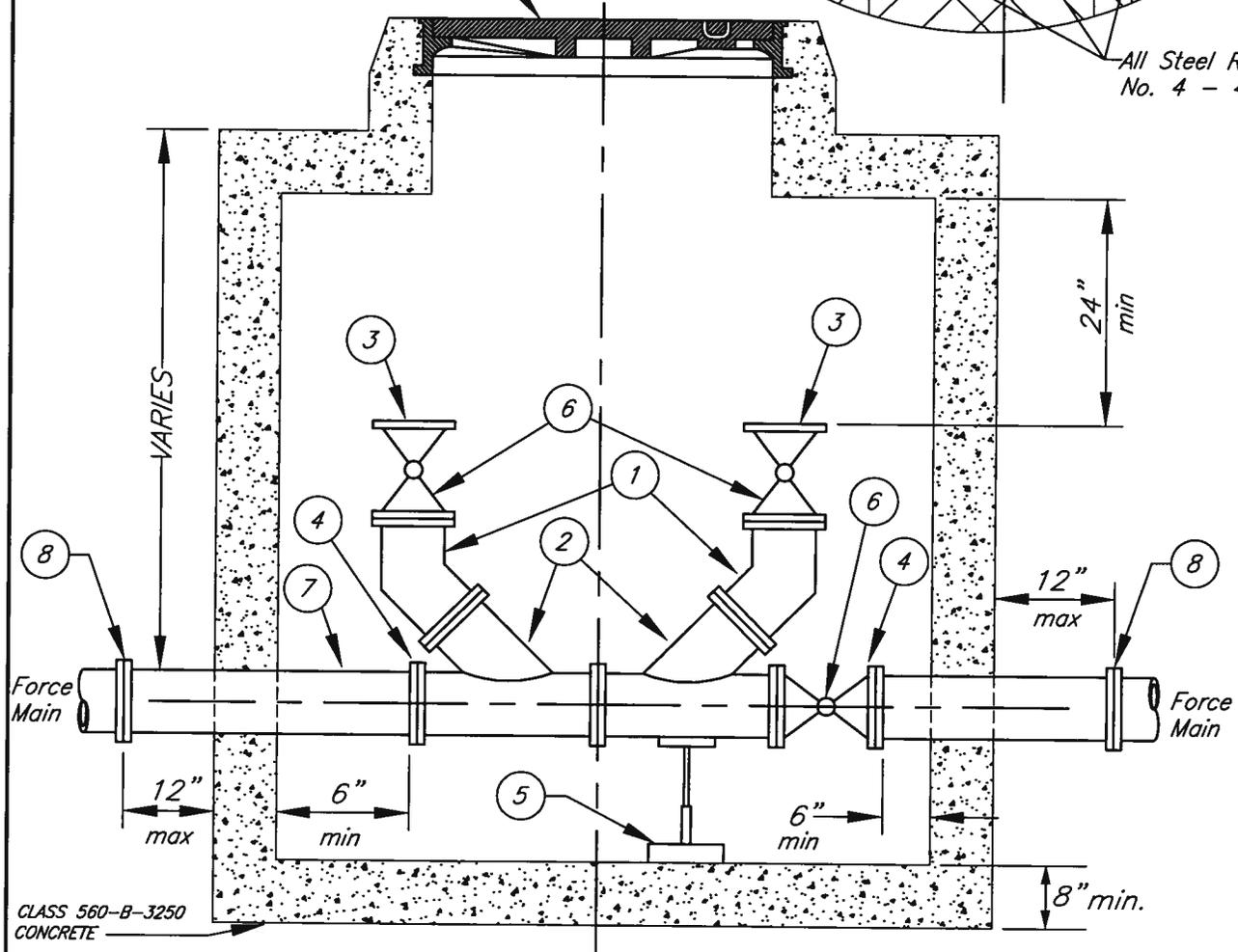


- 1 Flanged cast iron 45° elbow. Class 150.
- 2 Flanged cast iron 45° WYE. Class 150.
- 3 Cast iron reducing flange. Class 150. W/2" Threaded plug.
- 4 Threaded Class 150 Flange.
- 5 Pipe support. See Detail Sheet 2.
- 6 Flanged plug valve. Class 150.
- 7 Ductile iron pipe to match diameter of Force Main.
- 8 Dresser Style 253 Coupling.



MANHOLE FRAME AND COVER -
ALHAMBRA FOUNDRY: A-1251-6
OR EQUAL APPROVED BY CITY

All Steel Reinforcement
No. 4 - 4" O.C.



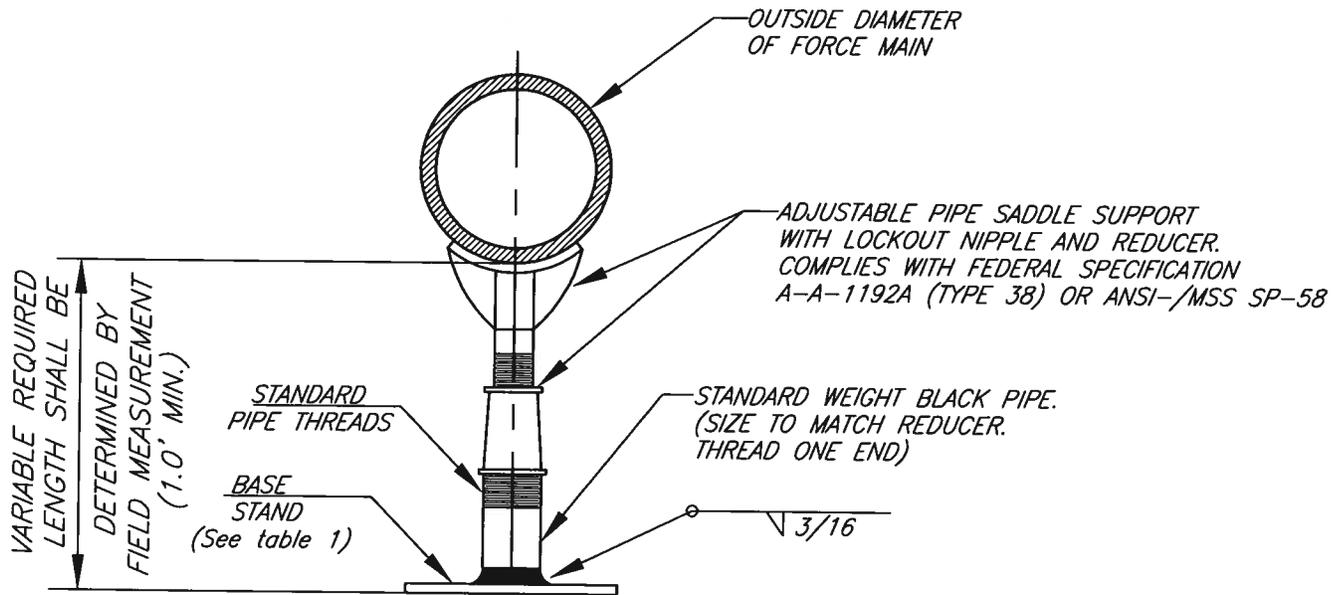
APPROVED BY
[Signature]
CITY ENGINEER
DATE 5/18/11

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

PRECAST CONCRETE
FORCE MAIN CLEANOUT

STANDARD DRAWING NO. 559

MARK	REVISIONS	APPR.	DATE



PIPE SUPPORT DETAIL

NTS

GENERAL NOTES:

1. All fittings shall be same size as the force main.
2. Steps shall be 14" wide stirrup type safety steps. The steps or sockets shall be cast in place at time of manufacture. Steps shall be spaced a maximum of 16" c.c. Material for steps shall be 1/2" grade 60 steel reinforcing rod coated with polypropylene, ASTM D-4101 or City approved equal.
3. Diameter of force main cleanout shall be determined by force main size as in the following table.

TABLE 1

Force Main	Steel Plate Size
4"	1/2" x 12" x 12"
6"	1/2" x 18" x 18"
8"	5/8" x 18" x 18"
10"	3/4" x 24" x 24"

Force Main	Manhole Size
4"	72"
6"	72"
8"	78"
10"	84"

4. When force main cleanout is in a street to be paved manhole frame shall be set after adjacent pavement has been placed. Top shall be flush with pavement.
5. At the contractor's option, thickness of manhole wall may be 4-1/8" provided class 560-D-4000 concrete is used.
6. Cover shall have letter S in center.

APPROVED BY

[Signature]
CITY ENGINEER

5/18/11
DATE

CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT

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Sheet 2 of 2

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