



CITY OF BISHOP

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Addendum 1

18 November 2011

Park Sewer Reconstruction Project

This addendum provides the attached drawings WS-1, S-1, and S-2 that were missing from the 15 November 2011 Bidding Information and Contract Documents.

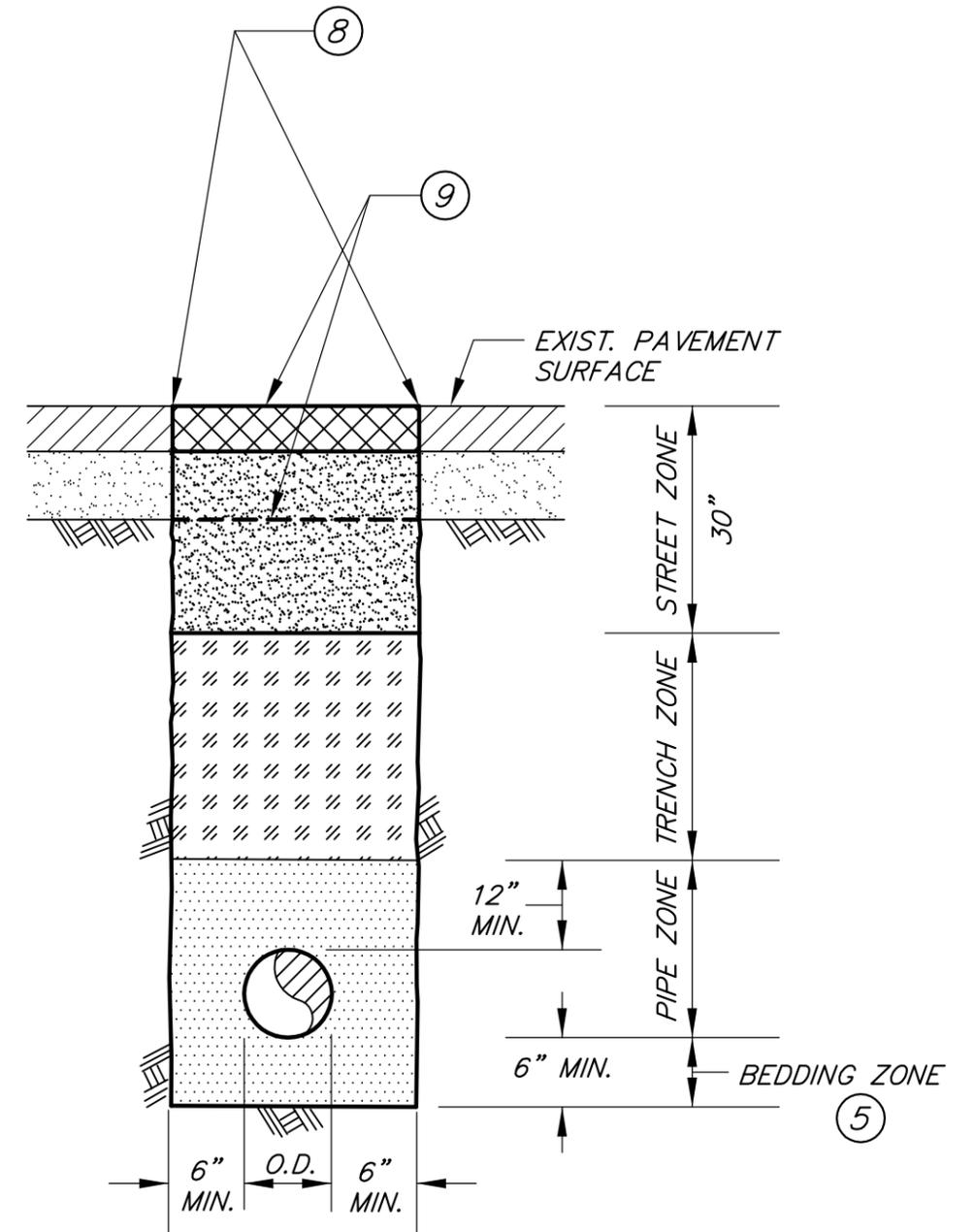
David Grah
Director of Public Works

NOTES:

1. THE FOLLOWING APPLIES FOR WORK ACCOMPLISHED THROUGH EXCAVATION AND BACKFILL.
2. EXCEPT AS SHOWN, WORK SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS.
3. BACKFILL SHALL BE AS FOLLOWS:

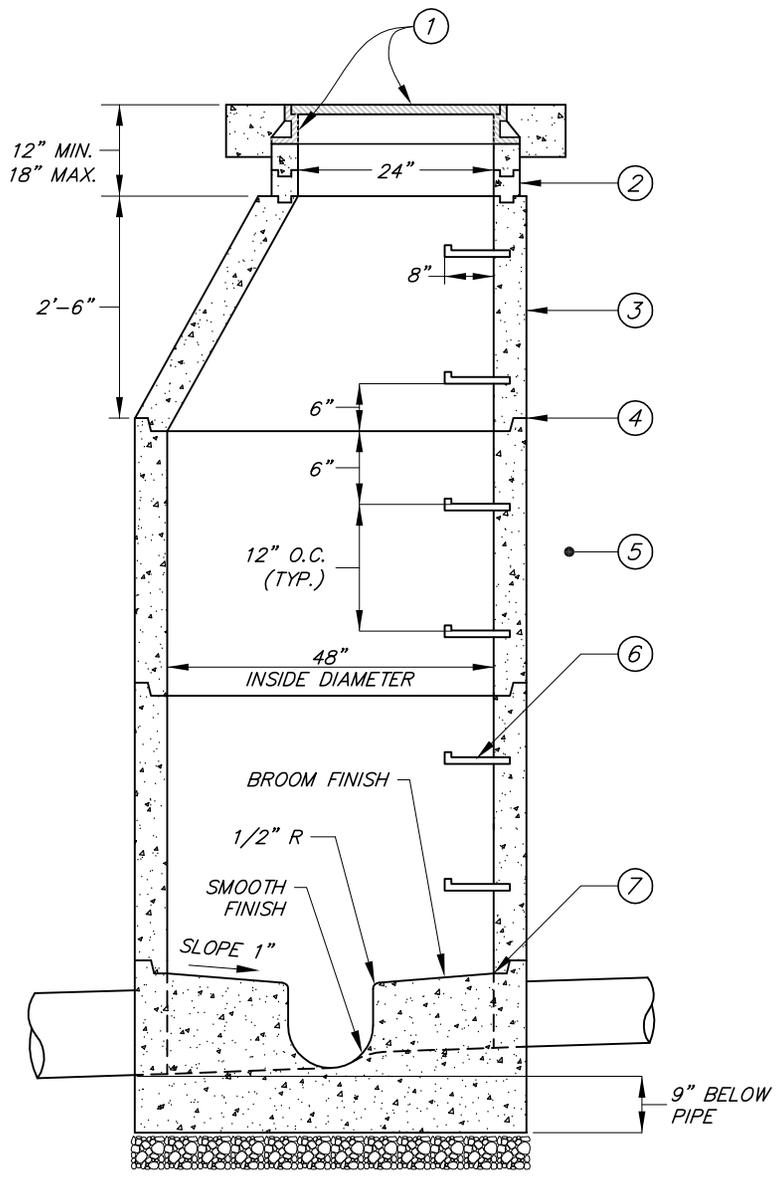
ZONE	MINIMUM COMPACTION	MINIMUM CALTRANS R VALUE	MATERIAL
STREET	95%	60	AS SHOWN AND NOTE 7
TRENCH	90%	60	NOTE 7
PIPE AND BEDDING	90%		NOTE 4

4. MATERIAL IN THE PIPE AND BEDDING ZONES SHALL BE SAND OR CRUSHED ROCK EXCEPT THAT CRUSHED ROCK SHALL NOT BE USED WITHIN 6 INCHES OF WATER LINES, UNLESS DIRECTED BY THE ENGINEER.
5. IN UNSUITABLE AREAS AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, MINIMUM THICKNESS OF BEDDING SHALL BE 18 INCHES.
6. INSTALLATION OF MANHOLES AND OTHER IN-GROUND STRUCTURES IS SIMILAR.
7. SLURRY CEMENT BACKFILL MAY BE USED IN PLACE OF COMPACTED MATERIAL AND IN PLACE OF AGGREGATE BASE IN THE TRENCH ZONE AND THE STREET ZONE. NOT LESS THAN 70 POUNDS AND NOT MORE THAN 75 POUNDS OF CEMENT SHALL BE USED FOR EACH CUBIC YARD OF SLURRY CEMENT BACKFILL.
8. SAWCUT EXISTING ASPHALT TO A CLEAN STRAIGHT VERTICAL EDGE.
9. REPAVE TRENCH WITH 4" MIN. A.C. OVER 6" MIN. A.B. IN PAVED AREAS.

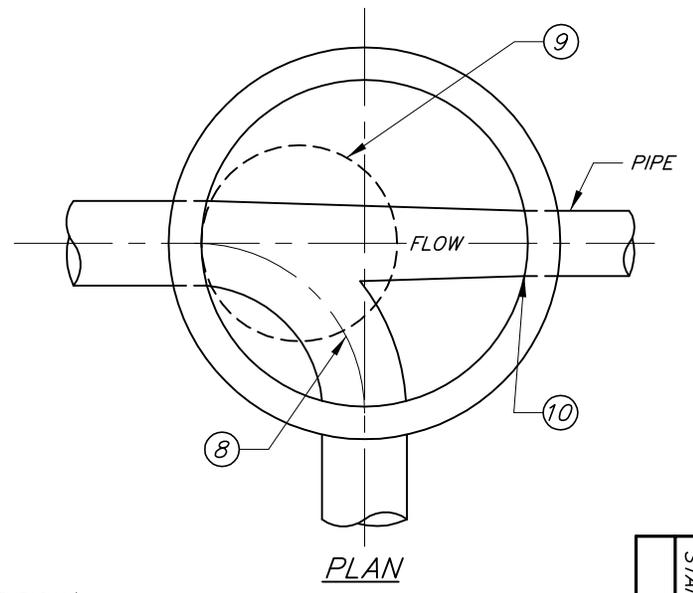


STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION
PIPE BEDDING AND BACKFILL

	APPROVED BY PUBLIC WORKS DIRECTOR	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	
	DATE	PIPE BEDDING AND BACKFILL	
		DATE	REVISION
			STANDARD DETAIL NO.
			WS-1



ELEVATION



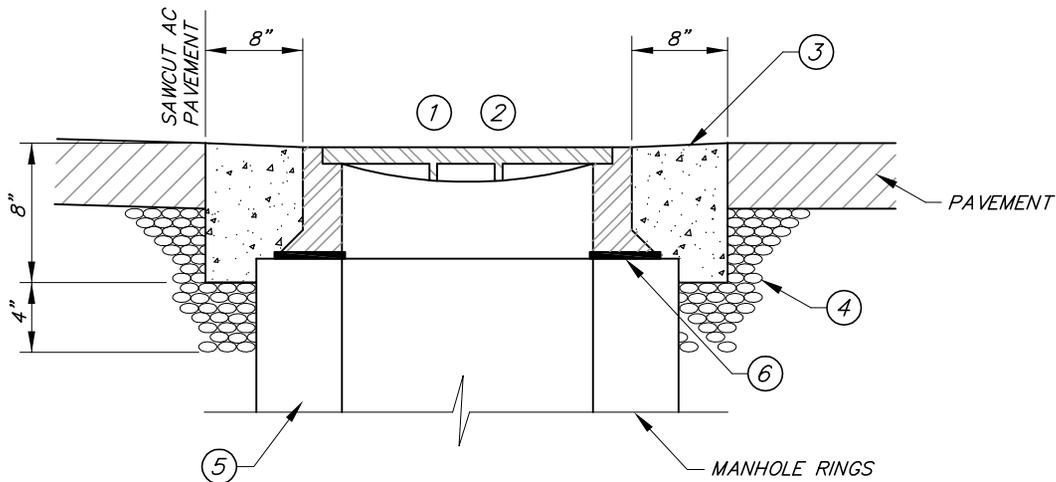
PLAN

NOTES:

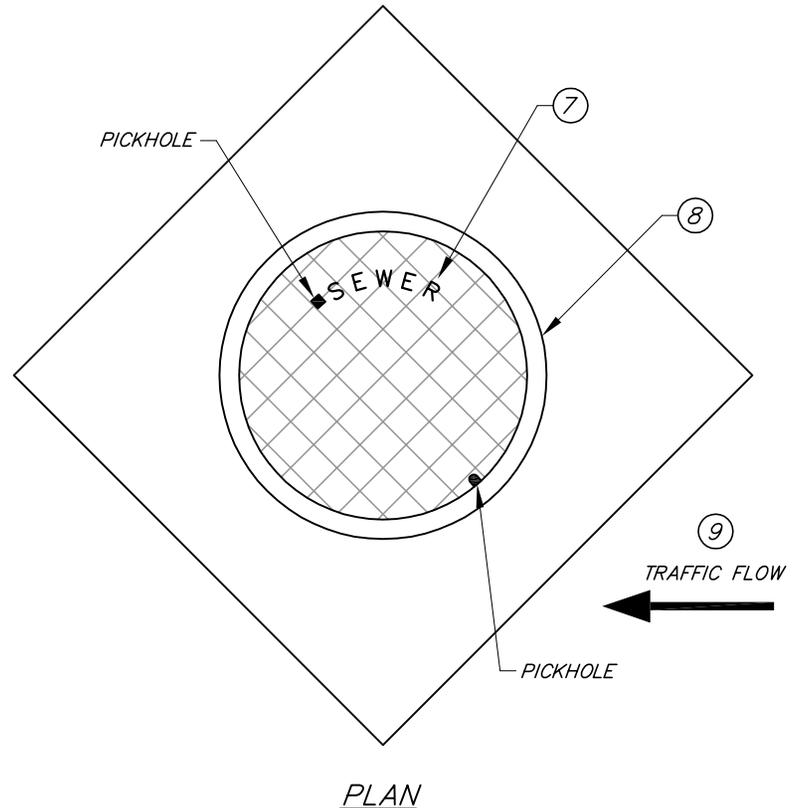
1. SEE DRAWING S-2 FOR MANHOLE FRAME AND COVER DETAILS.
2. 24" DIAMETER GRADE RING SECTION AS NEEDED. MAXIMUM HEIGHT 6" PER SECTION.
3. ECCENTRIC CONE SECTION.
4. MORTAR BETWEEN SECTIONS TO FORM WATER TIGHT JOINTS.
5. FOR BACKFILL AND BEDDING REQUIREMENTS SEE TRENCH BACKFILL DETAILS WS-1.
6. POLYPROPYLENE COVERED MANHOLE STEPS (TYPICAL).
7. MATCH PIPE CROWNS UNLESS OTHERWISE SHOWN.
8. RADIUS = 2 x DIAMETER OF INLET.
9. MANHOLE OPENING OVER OUTLET.
10. PIPE FLUSH WITH INSIDE MANHOLE WALL.
11. PRECAST MANHOLE RINGS, CONES AND SECTIONS SHALL BE APPROVED BY THE CITY AND TO CONFORM TO ASTM C478.
12. MORTAR SHALL BE 1 PART CEMENT TO 4 PARTS SAND.
13. MANHOLES WITH A DEPTH GREATER THAN 10 FEET SHALL BE 60" INSIDE DIAMETER AND ENGINEERED DETAILS SHALL BE PROVIDED ON DESIGN PLANS.
14. CAST IN PLACE PARTS MAY BE USED IF APPROVED BY CITY.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION
STANDARD MANHOLE

	APPROVED BY PUBLIC WORKS DIRECTOR	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	
	DATE	STANDARD MANHOLE	
		DATE	REVISION
			STANDARD DETAIL NO. S-1
			SCALE: NOT TO SCALE



ELEVATION



PLAN

NOTES:

1. GRADE OF FRAME AND COVER TO MATCH PAVEMENT GRADE.
2. DEPRESS FRAME AND COVER 1/4" BELOW PAVEMENT.
3. CLASS 1 CONCRETE COLLAR.
4. AGGREGATE BASE.
5. FOR MANHOLE DETAILS SEE DRAWING S-1.
6. 1/2" THICK CEMENT MORTAR. MORTAR SHALL BE 1 PART CEMENT TO 4 PARTS SAND.
7. LETTERING FOR MANHOLE SHALL BE 2" HIGH.
8. FRAME AND COVER SHALL BE D&L FOUNDRY A-1024 OR APPROVED EQUAL.
9. PLACE CONCRETE SUCH THAT NO EDGES ARE PERPENDICULAR TO THE DIRECTION OF THE TRAFFIC FLOW.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION
MANHOLE FRAME AND COVER

	APPROVED BY PUBLIC WORKS DIRECTOR	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	
		MANHOLE FRAME AND COVER	
	DATE	REVISION	STANDARD DETAIL NO.
			S-2
	DATE	SCALE:	NOT TO SCALE