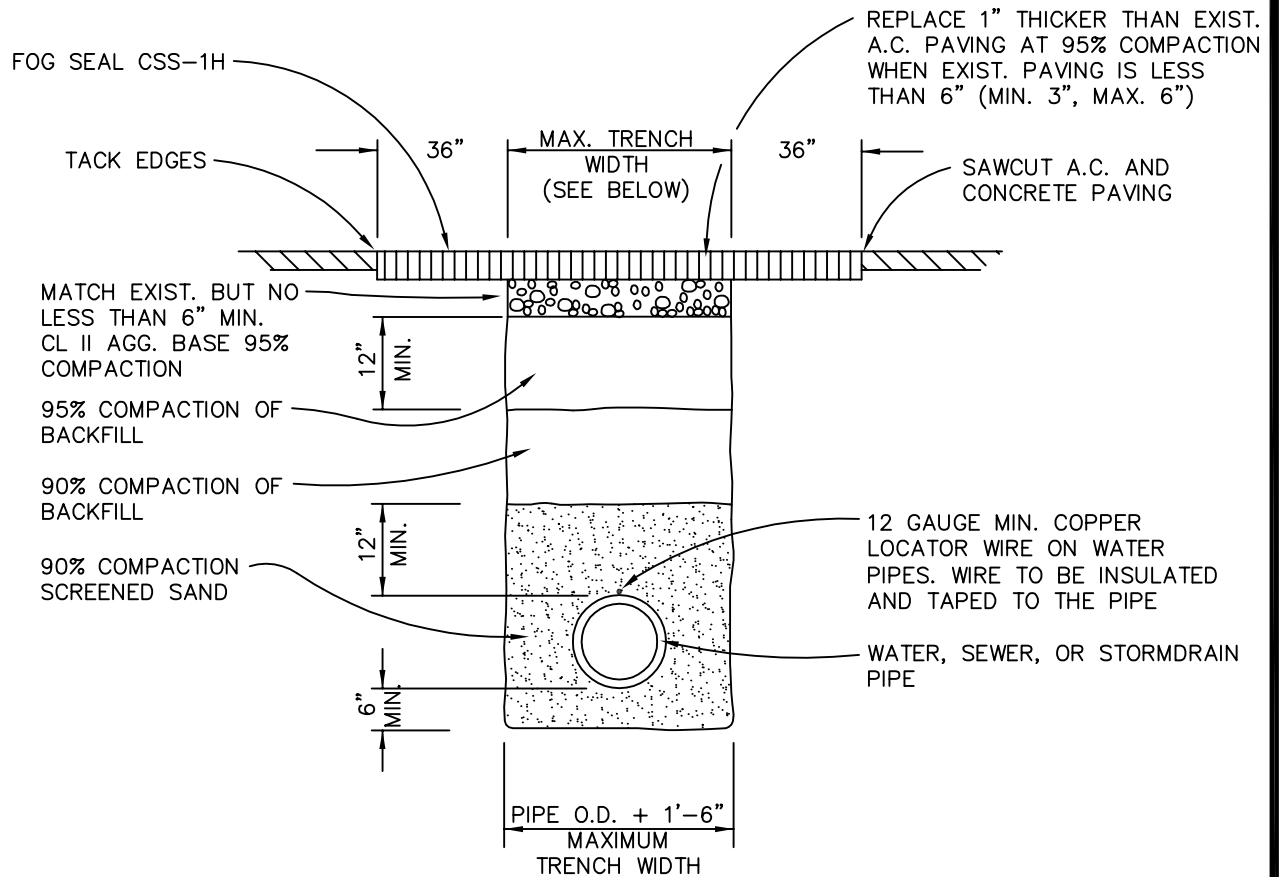


NOTES:

1. FOR ALL SUBDIVISIONS: A COMPOSITE UTILITY PLAN, SIGNED BY A REPRESENTATIVE OF EACH UTILITY, SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL ALONG WITH THE CONSTRUCTION DRAWING PACKAGE.
2. JOINT TRENCH (FOR DRY UTILITIES ONLY) MAY BE USED WHERE APPLICABLE PROVIDED STATE AND LOCAL ORDINANCES AND UTILITY COMPANY REQUIREMENTS ARE MET.
3. CROSSING UTILITIES: FOR ANY UTILITY CROSSING, A MINIMUM VERTICAL SEPARATION OF 18 INCHES (MEASURED FROM OUTSIDE WALL OF WATER AND RECYCLED WATER MAINS AND SERVICES) MUST BE PROVIDED. WHEN CROSSING WATER AND RECYCLED WATER MAINS OF 16 INCH OR GREATER DIAMETER A MINIMUM CLEARANCE OF 24 INCHES MUST BE PROVIDED.
4. PARALLEL UTILITIES: ANY NON-POTABLE WET UTILITY MUST BE A MINIMUM OF 12 INCHES BELOW PARALLEL POTABLE WATER MAINS AND LATERALS.
5. SANITARY SEWER MAINS AND LATERALS AND STORM DRAIN MUST BE A MINIMUM OF 12 INCHES BELOW PARALLEL RECYCLED WATER MAINS AND LATERALS.
6. HORIZONTAL SEPARATION BETWEEN CITY UNDERGROUND UTILITY'S SIDEWALL AND LIP OF GUTTER SHALL BE A MINIMUM OF 3 FEET OR AS SPECIFIED BY THE CITY ENGINEER.

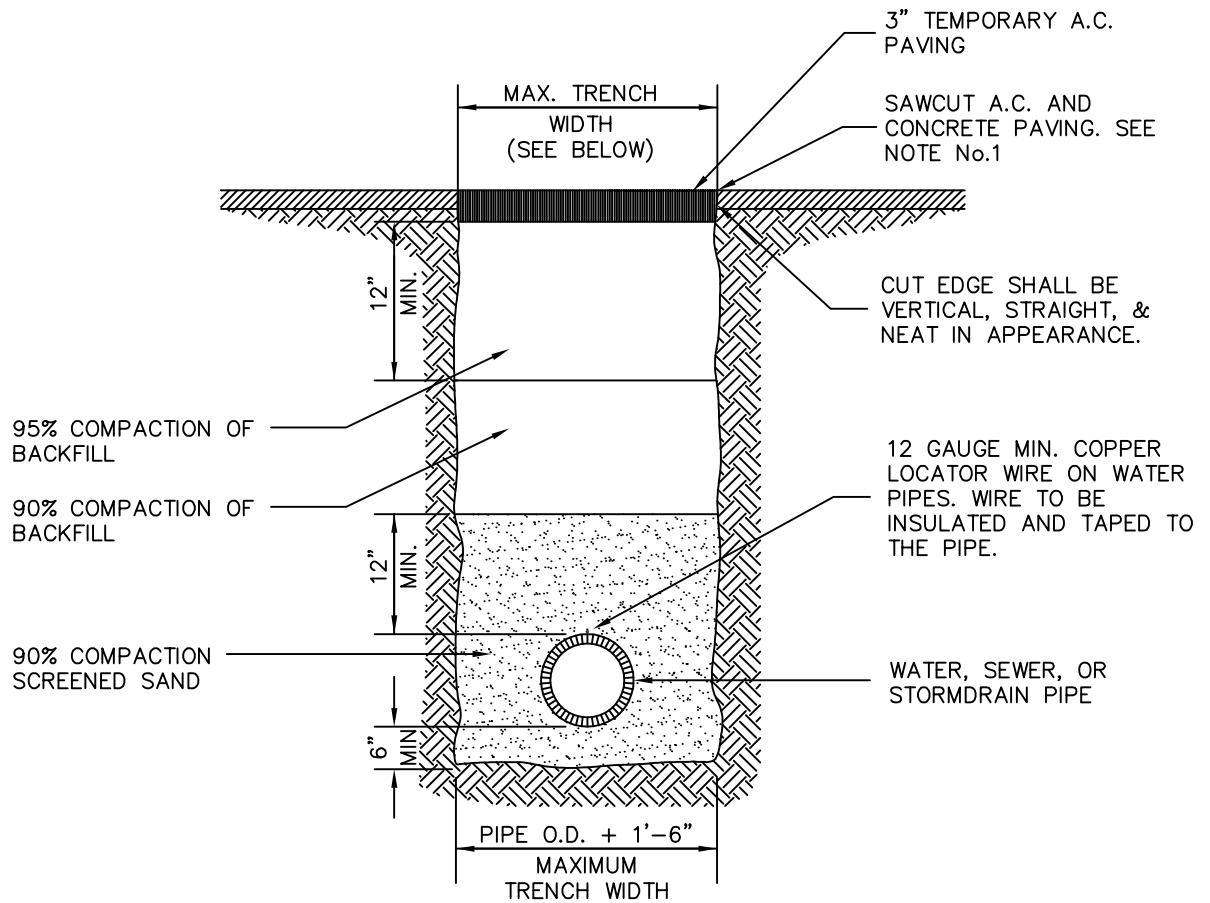
DRAWN BY: KF	CITY OF PASO ROBLES ENGINEERING DIVISION	DRAWING NO.
DESIGNED BY: DA		U-1
DATE: 06/2020	UNDERGROUND UTILITY LOCATIONS	
FILE NAME: PR-U-1.DWG		



NOTES:

1. No. 12 AWG LOCATOR WIRE REQUIRED ON ALL WATER MAINS AND SERVICES, TAPED TO TOP OF PIPE.
2. NO ROCKS OR OLD PAVEMENT MAY BE DEPOSITED WITH BACKFILL.
3. COLD MIX SHALL BE A MINIMUM THICKNESS OF 2 INCHES (50.8mm).
4. FINISH SURFACE SHALL MATCH EXISTING GRADE WITH A TOLERANCE OF 0.25 INCHES ABOVE ADJACENT GRADE.
5. RIGHT-OF-WAY ENCROACHMENT PERMIT IS REQUIRED.

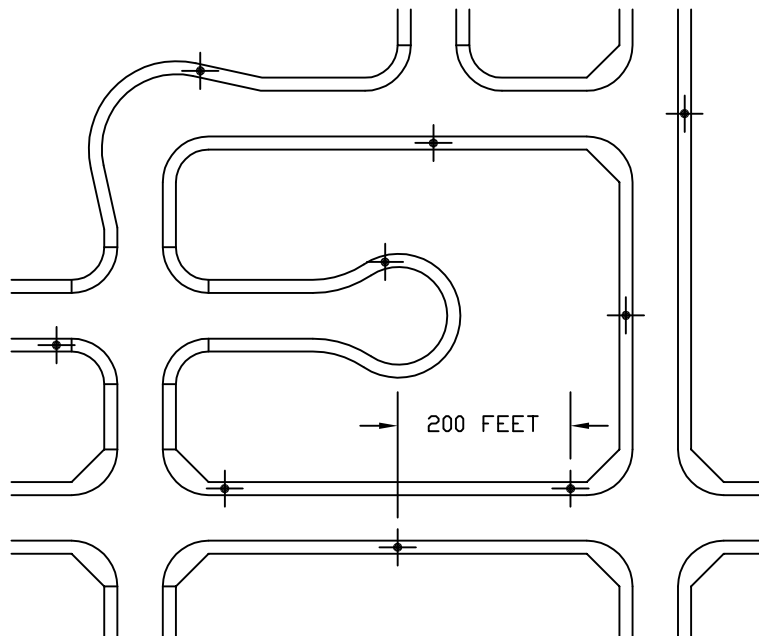
DRAWN BY: KGE	CITY OF PASO ROBLES ENGINEERING DIVISION	DRAWING NO.
DESIGNED BY: JF		
DATE: 11/10	PIPE IN TRENCH DETAIL	U-2
FILE NAME: PR-U-2.DWG		



NOTES:

1. WHEN A TEMPORARY PATCH IS USED, THE INITIAL WIDTH OF THE SAWCUT SHALL BE NO GREATER THAN THAT NECESSARY TO CONDUCT THE EXCAVATION.
2. THE FINISHED SURFACE OF THE TEMPORARY PATCH SHALL, IN ALL CASES, BE LEVEL WITH, OR NO GREATER THAN 1/2 INCH ABOVE THE ADJACENT GRADE OF THE EXISTING STREET.
3. A TEMPORARY PATCH WILL BE MONITORED ON A DAILY BASIS AND SHALL BE IMMEDIATELY RESTORED TO STANDARD AS IT COMPACTS.
4. IN NO CASE SHALL A TEMPORARY PATCH BE LEFT WITHOUT PERMANENT REPAIR FOR MORE THAN 30 CALENDAR DAYS. THE PERIOD OF THE TEMPORARY PATCH MAY BE REDUCED AS DETERMINED BY THE CITY ENGINEER. SUCH AS IN THE CASE OF ARTERIAL STREETS OR THOSE SERVING HIGH TRAFFIC VOLUMES.
5. No. 12 AWG LOCATOR WIRE IS REQUIRED ON ALL WATER MAINS AND SERVICES, TAPED TO TOP OF PIPE (AND SEWER FORCE MAINS).
6. NO ROCKS OR OLD PAVEMENT MAY BE DEPOSITED WITH BACKFILL.
7. SEE STANDARD U-2 FOR PERMANENT TRENCH REPAIR DETAILS.
8. A RIGHT-OF-WAY ENCROACHMENT PERMIT IS REQUIRED.

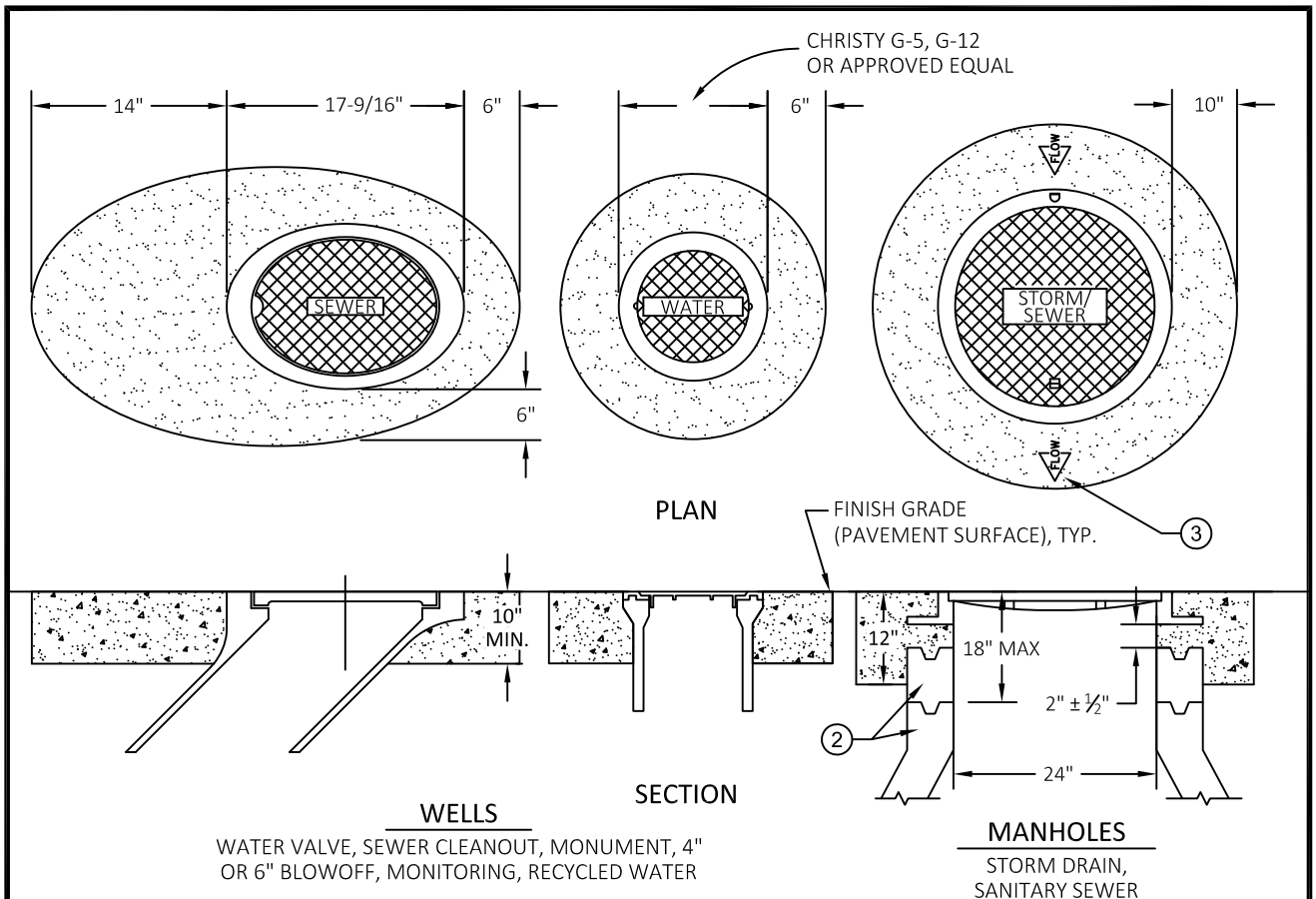
DRAWN BY: KGE	CITY OF PASO ROBLES ENGINEERING DIVISION	DRAWING NO.
DESIGNED BY: JF		
DATE: 11/10	TEMPORARY TRENCH REPAIR	U-2A
FILE NAME: PR-U-2A.DWG		



STREETLIGHT NOTES:

1. ALL STREET LIGHTS AND POLES SHALL BE OWNED AND OPERATED BY P.G.&E.
2. STREETLIGHTS SHALL BE INSTALLED AT LOTLINES WHENEVER PRACTICAL.
3. STREETLIGHTS SHALL BE PLACED ALTERNATELY ON EACH SIDE OF THE ROADWAY AND AND AT ALL INTERSECTIONS.

DRAWN BY: KGE	CITY OF PASO ROBLES ENGINEERING DIVISION	DRAWING NO.
DESIGNED BY: JF		STREET LIGHT LOCATION DETAILS
DATE: 12/10		
FILE NAME: PR-U-3.DWG		



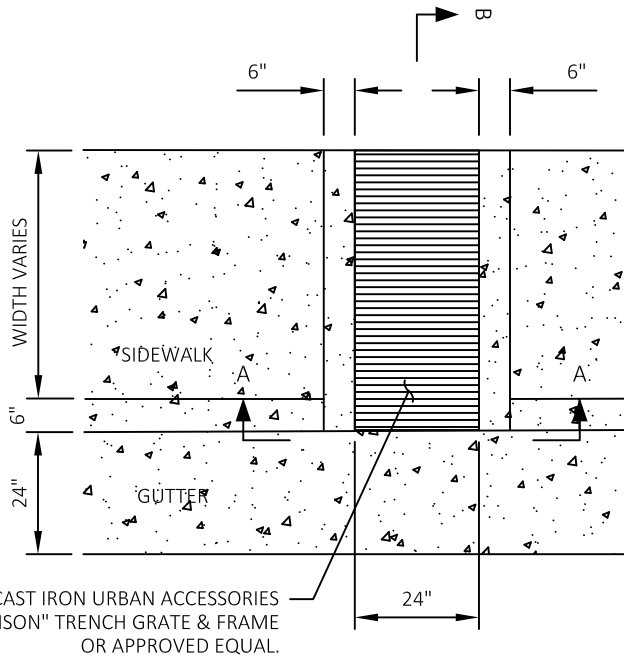
INSTALLATION NOTES:

- ① ALL UTILITY COVERS TO BE RAISED SHALL BE REPLACED AS NEEDED TO CONFORM TO COVERS SPECIFIED ABOVE. COVERS SHALL BE IMPRINTED WITH THE APPROPRIATE UTILITY NAME.
- ② MANHOLES: RINGS SHALL BE 3" OR 6". TOP OF CONE TO TOP OF FRAME SHALL NOT EXCEED 18". GRADE RINGS AND MANHOLE FRAME SHALL BE SEALED AT EVERY JOINT WITH BUTYL RUBBER (CONSEAL CS-102 OR EQUAL). WHEN PROPER GRADE CANNOT BE ACHIEVED WITH STANDARD GRADE RINGS, THE MANHOLE FRAME SHALL BE SUSPENDED IN POSITION OVER THE LAST GRADE RING, THE INSIDE OF THE FRAME AND SHAFT SHALL BE FORMED WITH TUBE OR MONOFORM SYSTEM, AND THE CONCRETE COLLAR SHALL BE POURED TO PROVIDE THE JOINT BETWEEN THE MANHOLE FRAME AND THE GRADE RING STACK. INSIDE OF RINGS SHALL BE GROUTED WITH NON-SHRINK GROUT TO OBTAIN A SMOOTH SURFACE FREE FROM GAPS, HOLES AND SHARP EDGES. 2" CLEARANCE APPLIES TO THE LOW SIDE OF THE FRAME. CLEARANCE MAY BE GREATER ON THE HIGH SIDE AS DICTATED BY THE STREET GRADES AND AS DIRECTED BY THE CITY ENGINEER. USE 6" CONCRETE REDUCING RINGS IN CASES WHERE EXISTING MANHOLE OPENING MUST BE REDUCED TO ACCOMMODATE THE NEW FRAME AND COVER.
- ③ ADD DIRECTIONAL STAMP PER CITY STANDARD DRAWING NO. F-3 TO SANITARY SEWER MANHOLE COVER COLLARS ONLY.

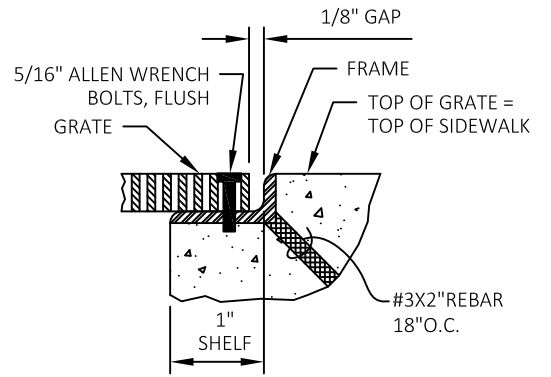
GENERAL NOTES:

- A. COMPLETELY REMOVE EXISTING CONCRETE COLLAR PRIOR TO POURING NEW CONCRETE COLLAR. THE DIAMETER OF THE NEW COLLAR SHALL BE WITHIN THE DIAMETER RANGE SPECIFIED IN THE ABOVE DETAIL.
- B. CONCRETE SHALL BE CLASS "A", 6-SACK, 3,000 PSI, TROWELED TO STREET GRADE, AND ALLOWED TO CURE FOR 24 HOURS PRIOR TO ANY TRAFFIC USE.
- C. DEPTH AND RADIUS DIMENSIONS SHOWN APPLY TO SIMILAR COVERS THAT ARE NOT SHOWN.
- D. WHEN A ROADWAY IS OVERLAID WITH ASPHALT CONCRETE, THE CONTRACTOR MAY USE EXTENSION RINGS TO ADJUST UTILITY COVERS TO THE NEW SURFACE ELEVATION. WHEN EXTENSION RINGS ARE USED TO ADJUST GRADE, A PREFORMED THERMOPLASTIC RING SHALL BE APPLIED AROUND THE PERIMETER OF THE CONCRETE. EXTENSION RING SHALL BE COMPATIBLE WITH THE EXISTING COVER. THERMOPLASTIC RING WIDTH SHALL BE A MINIMUM OF 6 INCHES.
- E. UTILITY FRAME AND COVER SHALL BE INSTALLED SO THAT COVER DOES NOT ROCK OR RATTLE AND IS FLUSH WITH ADJACENT SURFACE.

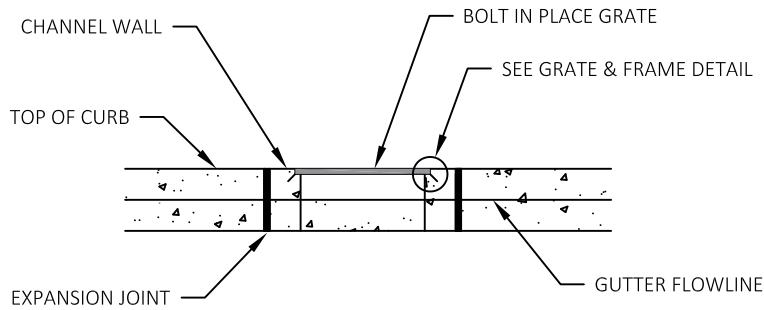
DRAWN BY: KF	CITY OF PASO ROBLES ENGINEERING DIVISION	DRAWING NO.
DESIGNED BY: DA	<h2 style="margin: 0;">ADJUSTING UTILITY COLLARS</h2>	
DATE: 12/19		
FILE NAME: PR-U-5.DWG		
<h2 style="margin: 0;">U-5</h2>		



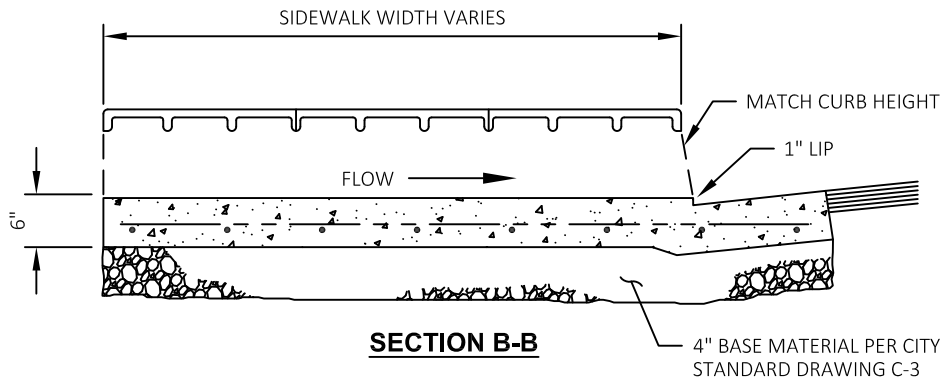
PLAN



GRATE & FRAME DETAIL

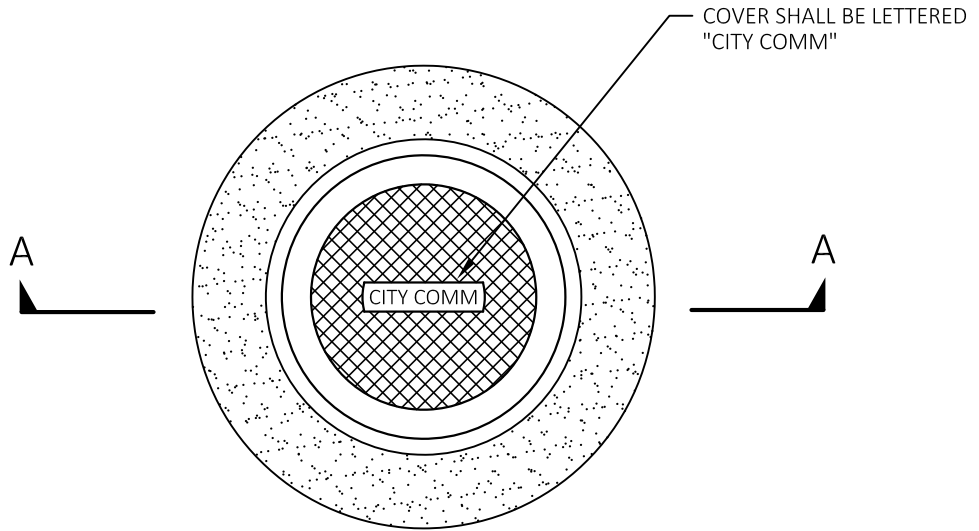


SECTION A-A

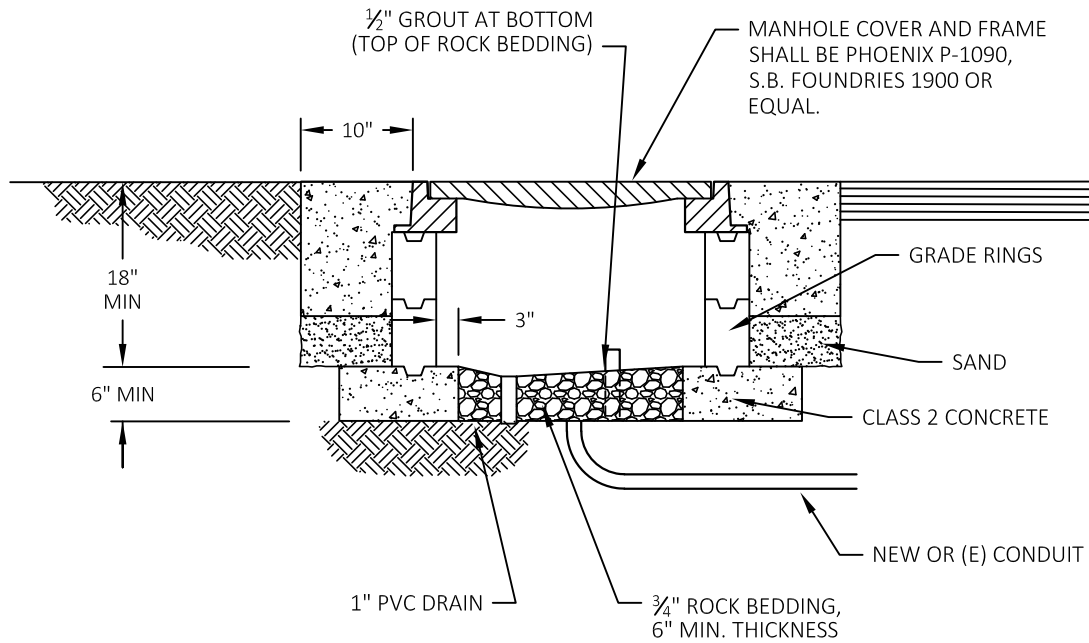


SECTION B-B

DRAWN BY: KF DESIGNED BY: DA DATE: 05/2020 FILE NAME: PR-U-6.DWG	CITY OF PASO ROBLES ENGINEERING DIVISION	DRAWING NO.
SIDEWALK UNDERDRAIN		U-6



PLAN



SECTION A - A

DRAWN BY:
KF
DESIGNED BY:
DA
DATE:
02/2020
FILE NAME:
PR-U-7.DWG

CITY OF PASO ROBLES
ENGINEERING DIVISION

DRAWING NO.

COMMUNICATIONS MANHOLE COVER

U-7