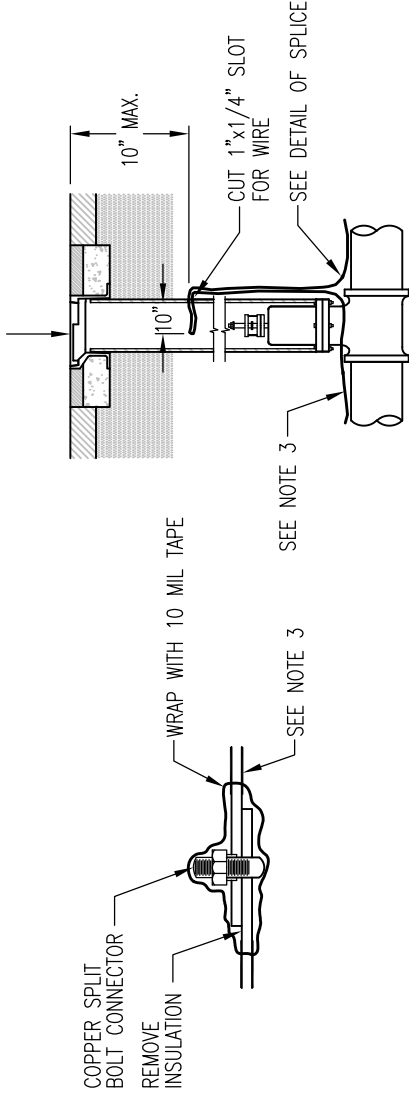
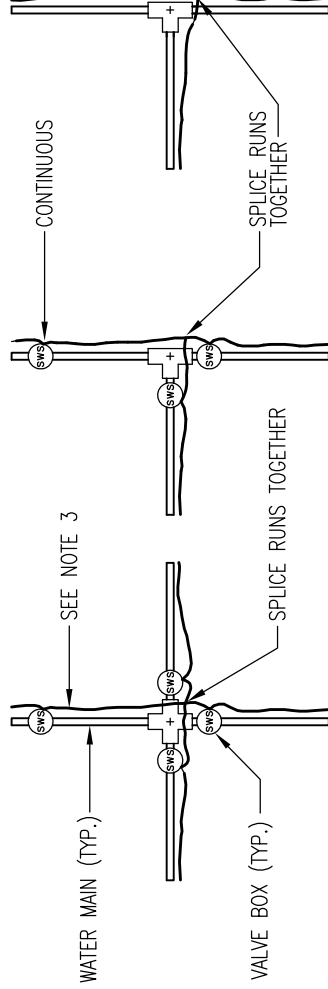


STANDARD VALVE BOX & COVER.
SEE 8-16



DETAIL OF SPLICE

INSTALLATION AT VALVE BOX



TYPICAL PLACING AT MAIN INTERSECTIONS

NOTES:

1. WIRE TO BE CONTINUOUS BETWEEN VALVE BOXES.
2. TRACER/LOCATOR WIRE TO BE TAPED TO TOP OF PIPE.
3. SOLID NO. 10 COPPER WIRE INSULATED WITH HIGH MOLECULAR WEIGHT POLYETHYLENE (HMWPE) - BLUE COLOR ONLY.
(FOR DIRECT BURIAL USE ONLY)

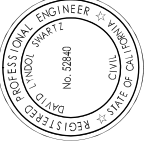


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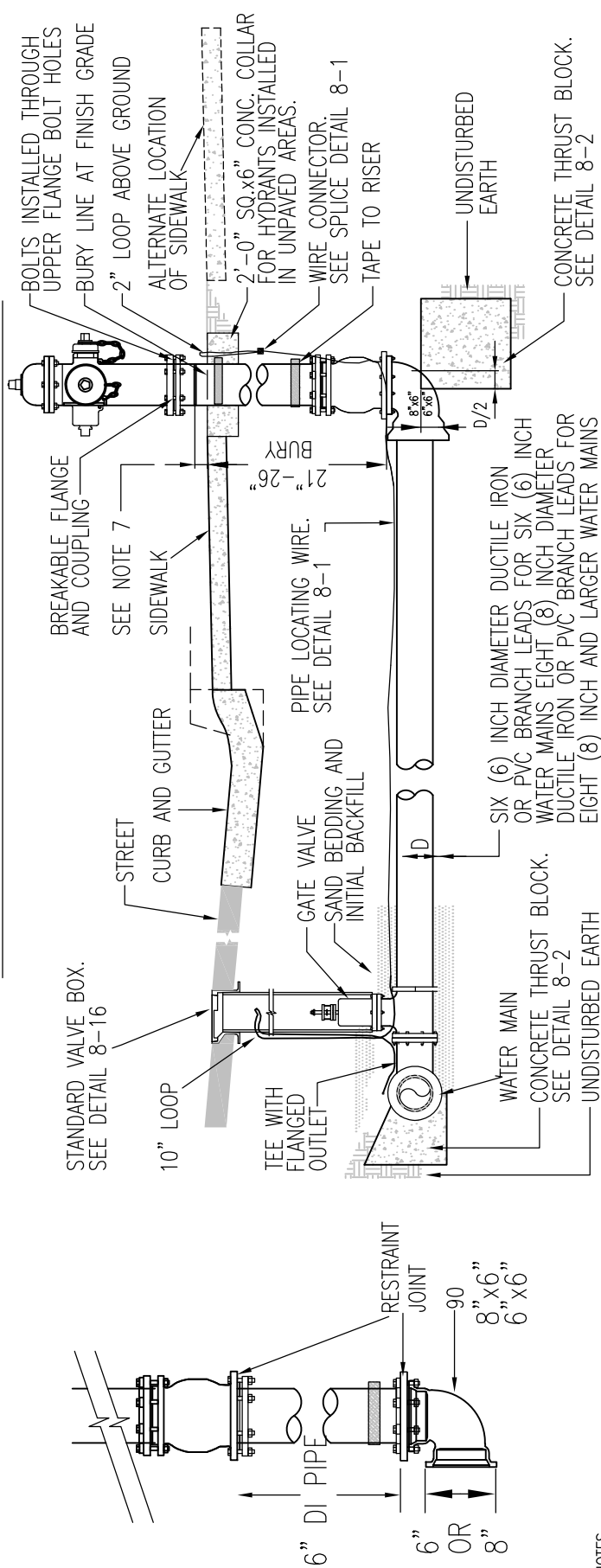
TRACER/LOCATION WIRE FOR
ALL WATERMAINS

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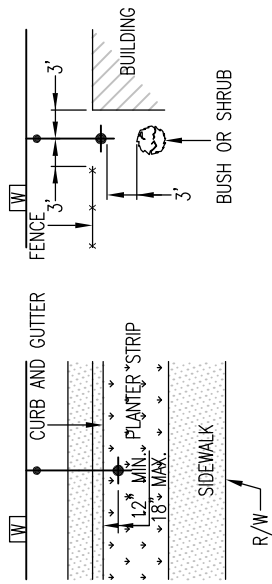
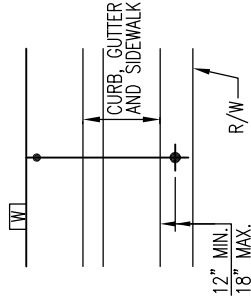


PLACEMENT OF VERTICAL SHOE FIRE HYDRANTS



NOTES

1. BODY OF ALL FIRE HYDRANTS SHALL BE PAINTED WITH TWO COATS OF RUST-OLEUM PROFESSIONAL OIL BASED ENAMEL ALUMINUM #7715 COLOR OR EQUAL.
2. TOP (BONNET OR DOME) OF ALL HYDRANTS SHALL BE PAINTED TO THE FOLLOWING COLOR CODE ACCORDING TO THE SIZE OF THE WATER MAIN THE HYDRANTS ARE CONNECTED TO:
RED: FOR 6" MAINS
ORANGE: FOR 8"-10" MAINS
GREEN: FOR 12" AND LARGER MAINS
3. THE BLUE REFLECTORS SHALL BE IN ACCORDANCE WITH SECTION 32-4 OF THE TECHNICAL SPECIFICATIONS AND PLACED ON THE HYDRANT SIDE OF THE STREET 5" FROM THE STREET CENTERLINE IN DIRECTION OF THE HYDRANT WITH REFLECTOR SIDES FACING TRAFFIC. PROVIDE TWO MARKERS FOR HYDRANTS INSTALLED AT MAJOR STREET INTERSECTIONS.
4. OPERATING NUT AND OUTLET NOZZLE CAP NUTS SHALL BE 1-1/2" PENTAGON IN SHAPE.
5. FIRE HYDRANTS ARE TO BE INSTALLED SO THE BURY LINE IS AT FINISHED GRADE. IF THIS IS NOT POSSIBLE DUE TO EXISTING UTILITIES THEN THE FOLLOWING VARIANCE MAY BE ALLOWED. 2" MINIMUM AND 5" MAXIMUM, MEASURED FROM THE BOTTOM OF THE HYDRANT FLANGE TO FINISHED GRADE.
6. BARREL DRAIN OUTLET-NONE REQUIRED. IF HYDRANT IS PROVIDED WITH SUCH AN OUTLET IT MUST BE PLUGGED WITH A THREADED BRONZE OR CAST IRON PLUG.
7. FIRE HYDRANTS ARE TO BE INSTALLED SO THE BURY LINE IS AT FINISHED GRADE. IF THIS IS NOT POSSIBLE DUE TO EXISTING UTILITIES THEN THE FOLLOWING VARIANCE MAY BE ALLOWED. 2" MINIMUM AND 5" MAXIMUM, MEASURED FROM THE BOTTOM OF THE HYDRANT FLANGE TO FINISHED GRADE.
8. FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION OR APPROVED EQUAL.



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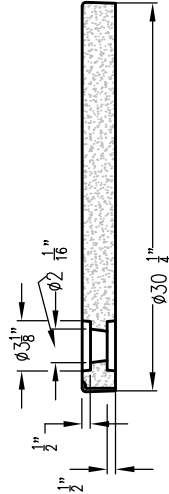
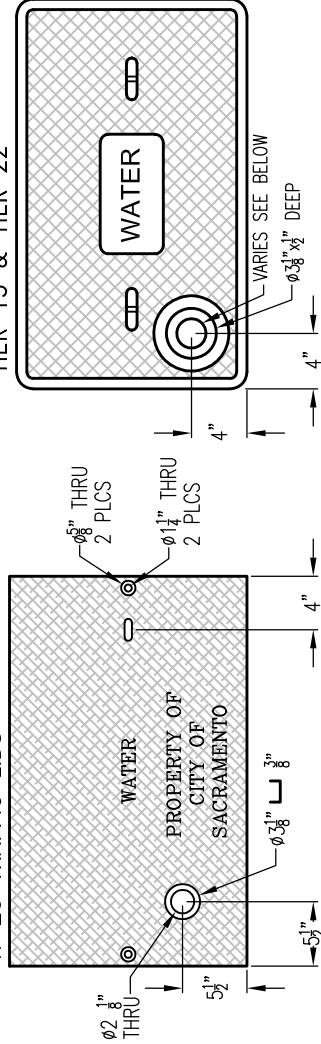
DATE: OCTOBER 2024

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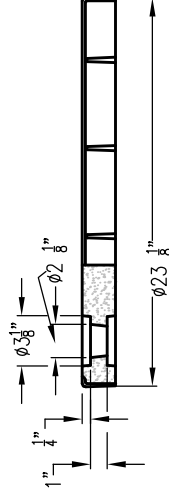


H-20 TRAFFIC LIDS

TIER 15 & TIER 22



TIER 22



TIER 15

NOTES:

1. STEEL LIDS SHALL HAVE "PROPERTY OF CITY OF COLUSA" WELDED ONTO THE TOP. THE LETTERS SHALL BE 1" IN HEIGHT.
2. FOR TRAFFIC INSTALLATIONS THE H-20 LID SHALL BE "LOCKED" INTO THE METER BOX BODY WITH A PENTA HEAD BOLT (0.84 P/F 18-8 STAINLESS), 3/8"-16x1 THREAD, WITH WASHER OR 3/8-7x3-1/2 ss PENTA HEAD AUGER BOLT.
3. THE METER BOXES AND LIDS SHALL BE FABRICATED BY THE SAME MANUFACTURER.
4. ALL LIDS SHALL BE MARKED "WATER", WITH A NOMINAL LETTERING HEIGHT OF 1-INCH.
5. ALLEYS & UNIMPROVED STREETS SHALL HAVE A TIER 22 BOX AND COVER FOR ALL 1" THRU 2" METERS. AND SIDEWALKS SHALL BE TIER 15.

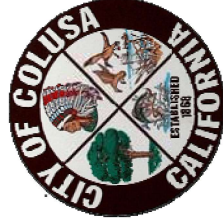
TYPE AND SIZE BOXES:

1-INCH TO 2-INCH

FOR 1-INCH SERVICES THE NOMINAL METER BOX SIZE SHALL BE 13x24"Lx12"D. FOR 1 1/2-INCH AND 2-INCH SERVICES THE NOMINAL SIZE SHALL BE 17"Wx30"Lx12"D.

3-INCH TO 8-INCH

FOR 3" AND LARGER SERVICES LIDS SHALL HAVE TWO 1 3/4" DIAMETER HOLE WITH A 3-1/8" DIAMETER, 1/2" DEEP RECESSED AREA CENTERED OVER THE 1 3/4" DIAMETER HOLE.
3" AND 4" IN TRAFFIC = 3048 BOX W/ H20 RATED COVER
3" AND 4" IN PLANTER AREA = B48 BOX WITH 2 PIECE STEEL COVER B48-62D w/READING LID.
6" & 8" IN PLANTER AREA= B52 BOX WITH 2 PIECE B52-62B w/READING LID.
6" & 8" IN TRAFFIC AREA= R17 PIT W/ H20 RATED STEEL SPRING LOADED COVER
ONLY 3", 4", 6" AND 8" METER BOXES IN PLANTERS SHALL HAVE A READING LID.



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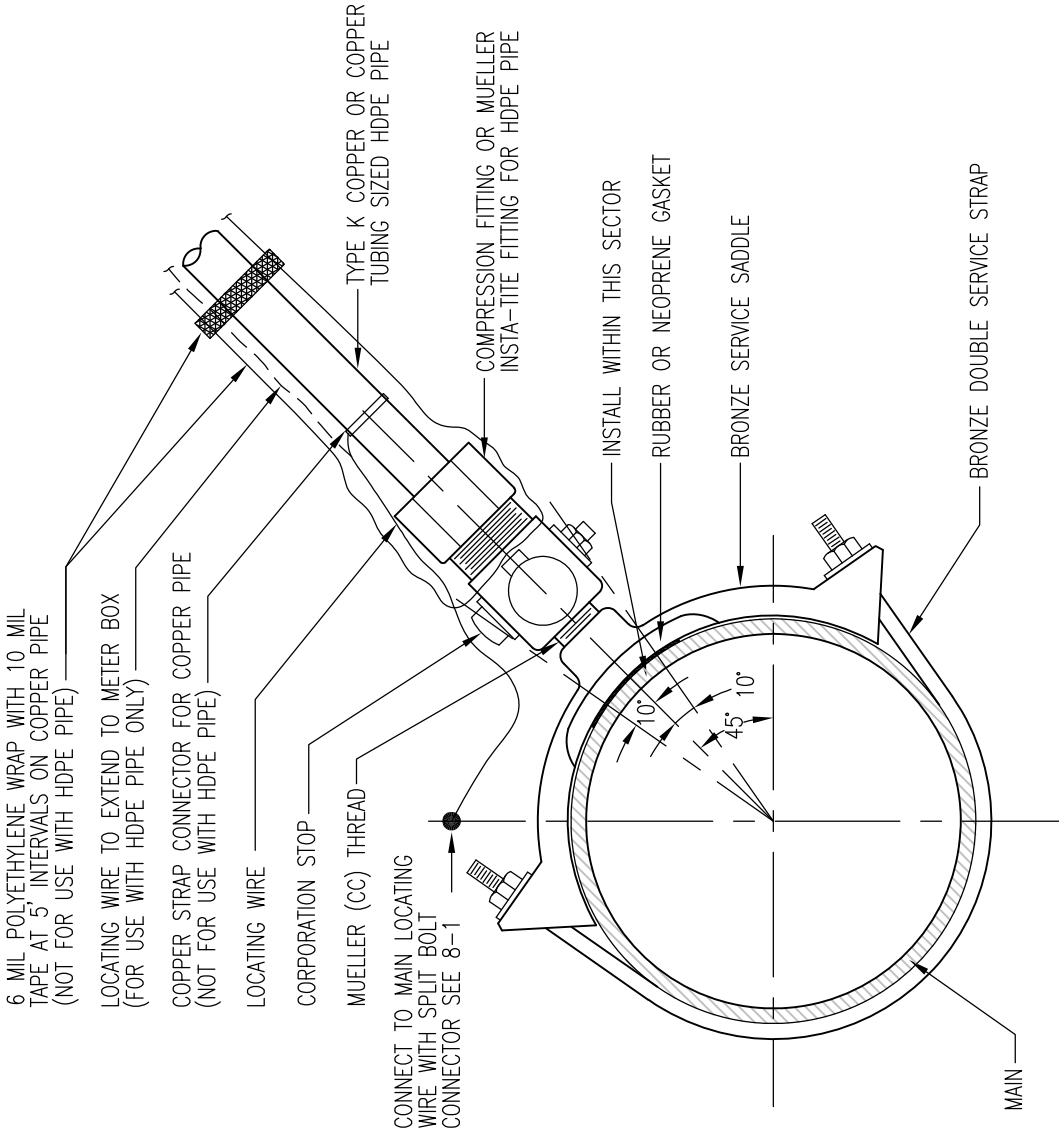
METER BOX AND LIDS

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NOTES:

1. ALL CORPORATION STOPS TO HAVE A.W.W.A. STANDARD CORPORATION STOP THREAD (MUELLER CC) ON INLET END. OUTLET END CONNECTIONS SHALL BE FLARED OR COMPRESSION FITTINGS.

2. A BRONZE DOUBLE STRAP SERVICE SADDLE IS REQUIRED ON ALL WATER SERVICE TAPS 1" THRU 2" EXCEPT C-900. FOR C-900 SADDLE SHALL BE CAMBRIDGE SERIES 811 OR EQUAL.



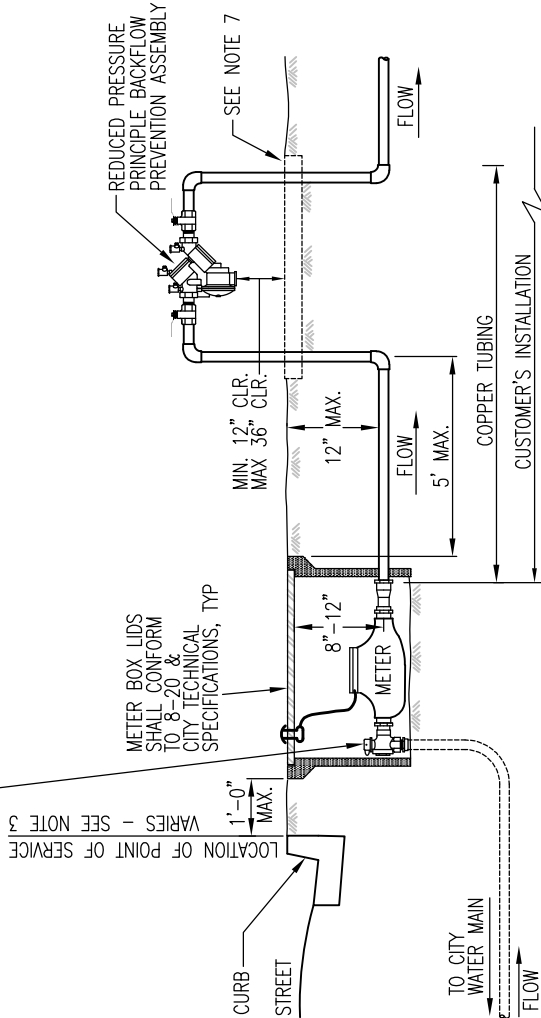
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STD WATER SERVICE
TAPS 1-INCH THRU 2-INCH

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ANGLE METER VALVE SCHEDULE
MUELLER B24276-N OR EQUAL



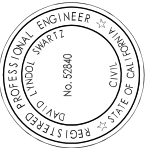
INSTALLATION OF 1 1/2 TO 2-INCH REDUCED PRESSURE
PRINCIPLE BACKFLOW PREVENTION ASSEMBLY W/WATER METER

NOTES:

1. INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE CURRENT CROSS CONNECTION CONTROL POLICY.
2. REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLIES SHALL BE CONNECTED TO CITY WATER AND TESTED PRIOR TO BEING PLACED INTO SERVICE.
3. POINT OF SERVICE:
 - A. POINT OF SERVICE IS THE BACK OF CURB FOR ALL CITY STREETS WITH PLANTER STRIPS.
 - B. POINT OF SERVICE IS THE BACK OF SIDEWALK FOR STREETS WITH SIDEWALK CONTIGUOUS WITH CURB AND GUTTER.
 - C. POINT OF SERVICE IS THE RIGHT-OF-WAY LINE ON ALL ALLEYS AND UNIMPROVED STREETS.
 - D. WHERE THE POINT OF SERVICE IS UNCLEAR THE LOCATION SHALL BE DETERMINED BY THE CROSS CONNECTION CONTROL SPECIALIST.
4. LISTS OF APPROVED BACKFLOW PREVENTION ASSEMBLIES AND CERTIFIED BACKFLOW PREVENTION ASSEMBLY TESTERS ARE AVAILABLE AT THE DEPARTMENT OF UTILITIES CUSTOMER SERVICE COUNTER LOCATED AT 1395 35TH AVE.
5. THE BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED ABOVE GROUND, IN A HORIZONTAL AND LEVEL POSITION. THE ASSEMBLY SHALL BE LOCATED ON THE CUSTOMER'S SIDE AND NO FURTHER THAN FIVE (5) FEET FROM THE POINT OF SERVICE OR THE METER.
6. OUTLETS, TAPS, TEES, OR CONNECTIONS BETWEEN THE WATER MAIN AND BACKFLOW PREVENTER ARE NOT ALLOWED.
7. CONCRETE PAD IS RECOMMENDED IF ASSEMBLY IS PLACED WITHIN A PROTECTIVE ENCLOSURE.
8. FREEZE BAGS ARE RECOMMENDED FOR FREEZE PROTECTION.
9. 6 MIL POLYETHYLENE WRAP WITH 10 MIL TAPE IS REQUIRED FOR ALL UNDERGROUND COPPER TUBING.
10. FOR STREETS INSTALLATIONS, METER BOXES SHALL BE CONSTRUCTED OF AN H20 TRAFFIC RATED (PER AASHTO-H20 LOAD TEST) CONCRETE MATERIAL AND SHALL MEET THE CAL TRANS No. 5T RATED (PER STATE SPECIFICATION: LIDS SHALL BE H20 RATED: ALL LIDS SHALL BE PER CITY STD 8-20.
11. ALLEYS AND UNIMPROVED STREET SHALL HAVE A TIER 22 BOX AND COVER FOR ALL 1" TO 2" METERS.



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