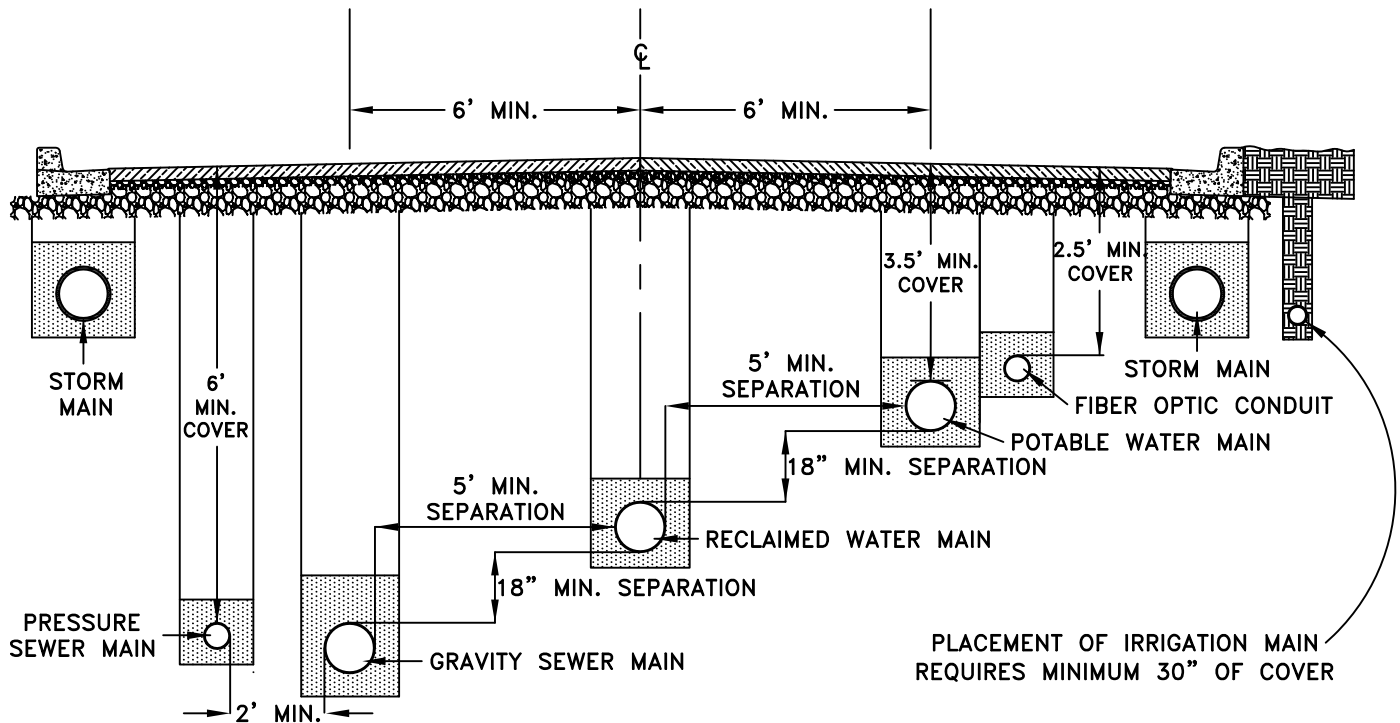


PIPE ZONES IN DESCENDING ORDER

ALL PIPES SHOWN IN THIS DETAIL ARE 12" IN DIA. EXCEPT FOR PRESSURE SEWER WHICH IS 6", FIBER OPTIC CONDUIT WHICH IS 4" AND IRRIGATION MAIN LINE WHICH IS 2".



IN ROADS WHERE RECLAIMED WATER IS REQUIRED THE MINIMUM DEPTH OF THE SEWER SHALL BE 9'. IN ROADS THAT REQUIRE NO RECLAIMED WATER THE MINIMUM DEPTH OF ALL SEWER MAINS SHALL BE 7'.

GENERAL NOTES:

1. THE POTABLE WATER MAIN SHALL BE INSTALLED ON THE NORTH AND EAST SIDE OF THE ROADWAY (6' OFF CENTERLINE).
2. THE SEWER MAIN SHALL BE INSTALLED ON THE SOUTH AND WEST SIDES OF THE ROADWAY (6' OFF CENTERLINE). WHEN THE INSTALLATION REQUIRES BOTH GRAVITY AND PRESSURE SEWER MAINS THE PRESSURE MAIN SHALL BE INSTALLED FURTHER SOUTH OR WEST OF THE GRAVITY SEWER MAIN.
3. THE RECLAIMED WATER MAIN SHALL BE INSTALLED IN THE CENTER OR TO THE SOUTH OR WEST OF THE CENTER LINE OF THE ROADWAY OR AS DIRECTED BY THE CITY.
4. ALL OF THE ABOVE PIPING SHALL BE INSTALLED IN ORDER OF DESCENDING QUALITY WITH A MINIMUM OF 18" SEPARATION FROM THE BOTTOM OF THE HIGHER PIPE TO THE CROWN OF THE LOWER PIPE. NO DEVIATIONS FROM THIS REQUIREMENT SHALL BE ALLOWED.
5. THE HORIZONTAL SEPARATION WHEN ATTAINABLE SHALL BE 10' FROM THE SPRING LINE OF ONE PIPE TO THE SPRING LINE OF THE NEXT PIPE. WHEN THE 10' SEPARATION IS NOT ATTAINABLE, APPROVAL FROM THE CITY IS REQUIRED TO REDUCE THE SEPARATION REQUIREMENTS TO 5' HORIZONTAL AND 18" VERTICAL.
6. THE DESIGN REQUIREMENT ON THIS SHEET SHALL APPLY TO ALL SITUATIONS WITHIN THE RIGHT OF WAY OR EASEMENT, EXISTING OR PROPOSED.

CITY OF TUMWATER, WASHINGTON DEPT. OF PUBLIC WORKS				
PIPE ZONES IN DESCENDING ORDER				
APPROVED BY:				DWG. NO.
CITY ENGINEER				WA-44
DES. PW	DWG. BY PW	CK'D BY KMC	DATE JULY 2014	NOT TO SCALE