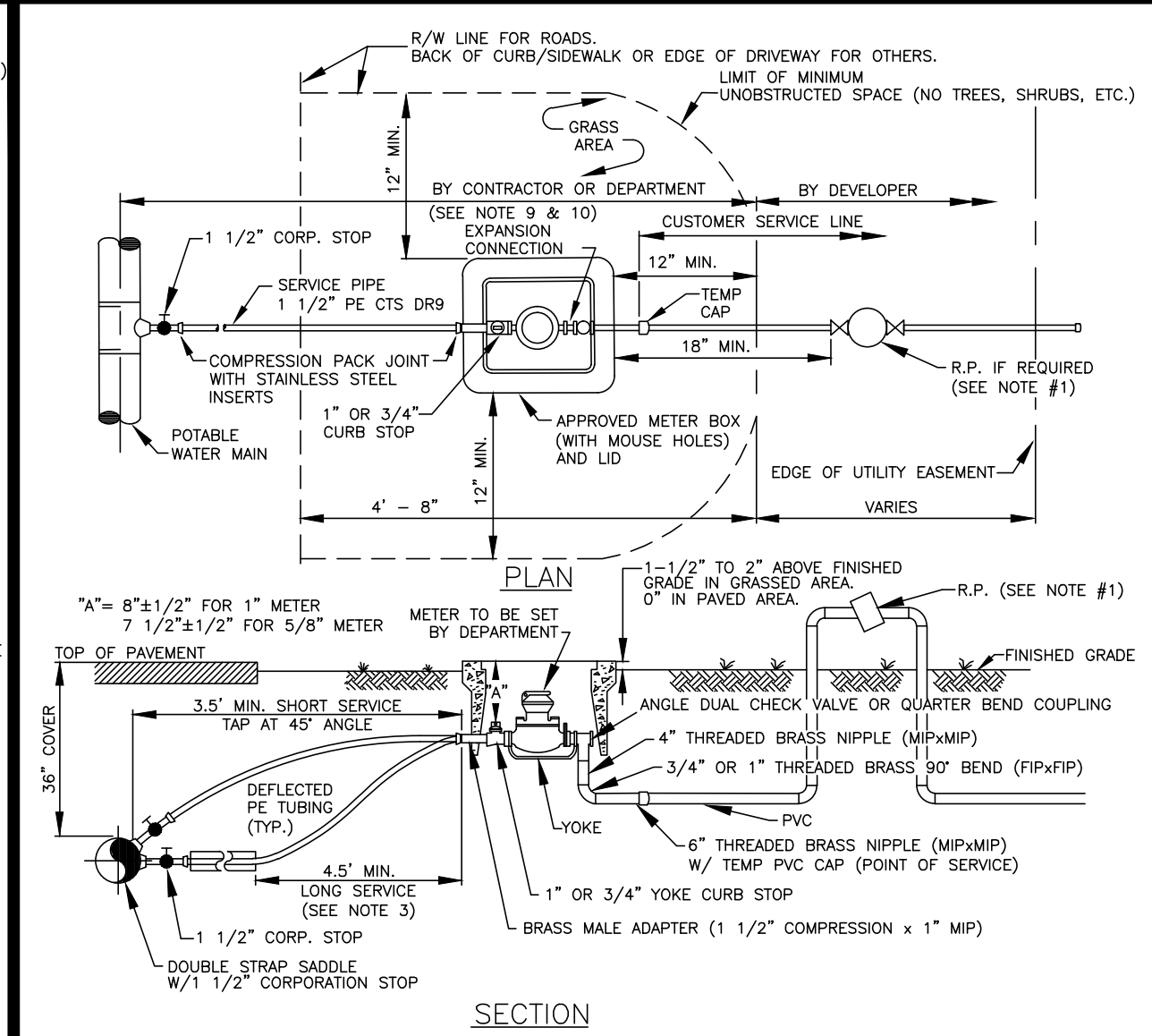


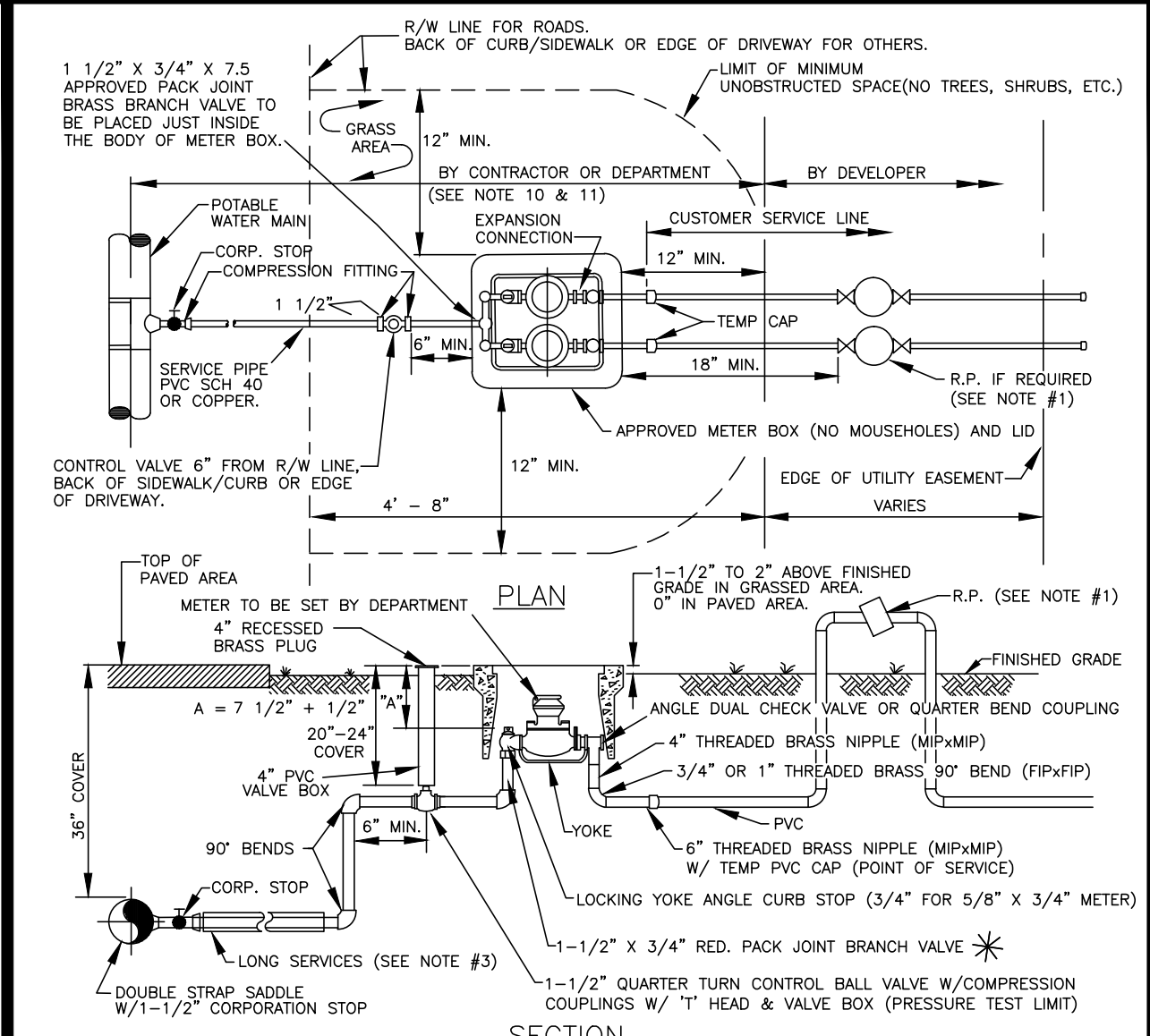
NOTES: 1. ALL NON-RESIDENTIAL SERVICES, SERVICES FOR ALL BUILDINGS OVER THREE STORIES, AND RESIDENTIAL SERVICES WITH INDIVIDUALLY METERED RECLAIMED WATER SERVICE TO HAVE AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (R.P.P.). THE INITIAL TEST OF THE R.P.P. SHALL BE PERFORMED BY THE DEPARTMENT. THE R.P.P. SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE POINT OF SERVICE. 2. 12" MINIMUM CLEARANCE TO BE MAINTAINED BETWEEN METER BOX AND ANY OBSTRUCTION. 3. FOR INSTALLATION OF SERVICES UNDER DRIVEWAYS AND ROADWAYS USE MIN. 3" DIAMETER BLACK IRON, PVC SCH 40, OR HDPE SDR 9 CASING, CASING SHALL EXTEND MIN. 24" BEYOND EDGE OF PAVEMENT, END OF CASING TO BE SEALED WITH CEMENT. CASING SHALL BE COLOR-CODED BLACK, WHITE, BLUE, OR BLUE STRIPED. 4. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" APART. TAPS ON SAME SIDE OF A PVC PIPE SECTION SHALL BE MIN. 10" APART. 5. METER SHALL NOT BE PLACED IN SIDEWALK OR DRIVEWAY AREAS. SERVICE LINES AND TAPS SHALL NOT BE PLACED UNDER DRIVEWAYS WHENEVER POSSIBLE. 6. COPPER SHALL BE "TYPE K" CONTINUOUS AND SUITABLE FOR UNDERGROUND SERVICE WITH FLARED CONNECTIONS. PVC PIPE SHALL BE SCH. 40 PIPE WITH SCH 80 PVC FITTINGS. ALL BRASS SHALL BE "LEAD FREE". 7. MAXIMUM SERVICE LENGTH IS 100' TO METER. 8. BEDDING (MIN. 4") AND COVER (MIN. 4") OVER SERVICE LINE OR CASING SHALL CONSIST OF FINE GRANULAR MATERIAL, UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED WITH 2" MAXIMUM SIZE. 9. METER/SERVICE WILL NOT BE INSTALLED/ACTIVATED UNTIL: A. - FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR - DRIVEWAY OR SIDEWALK IS IN PLACE. B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. (MIN 12" VERTICAL SEPARATION IS REQUIRED TO OTHER UTILITIES. C. - THE REQUIRED BACKFLOW PREVENTION ASSEMBLY/DEVICE IS INSTALLED AND HAS PASSED THE INITIAL TEST. 10. METER TO BE SET BY THE DEPARTMENT. 11. THE DEVELOPER/PROPERTY OWNER OR ASSIGNEE SHALL BE RESPONSIBLE FOR INSTALLATION OF SERVICES BEYOND PRESSURE TEST LIMITS AS SPECIFIED BY THE DEPARTMENT. 12. THREADED AREAS OF CORROSION STOP AND OTHER FITTINGS SHALL BE SPIRAL WRAPPED WITH TWO (2) WRAPS OF TEFLON TAPE. ALL BRASS SHALL BE "LEAD FREE". 13. METER BOXES IN NON-GRASS AREAS SHALL HAVE TRAFFIC RATED LIDS. 14. A 12" THICK COMPACTED 3/4" ROCK BASE IS REQUIRED FOR METER BOXES OUTSIDE OF GRASS AREA. THE BASE SHALL EXTEND MIN. 12" BEYOND THE METER BOX PERIMETER.

POTABLE WATER SERVICE SINGLE 5/8" x 3/4" & 1" METER INSTALLATION DETAIL (PVC) 1W



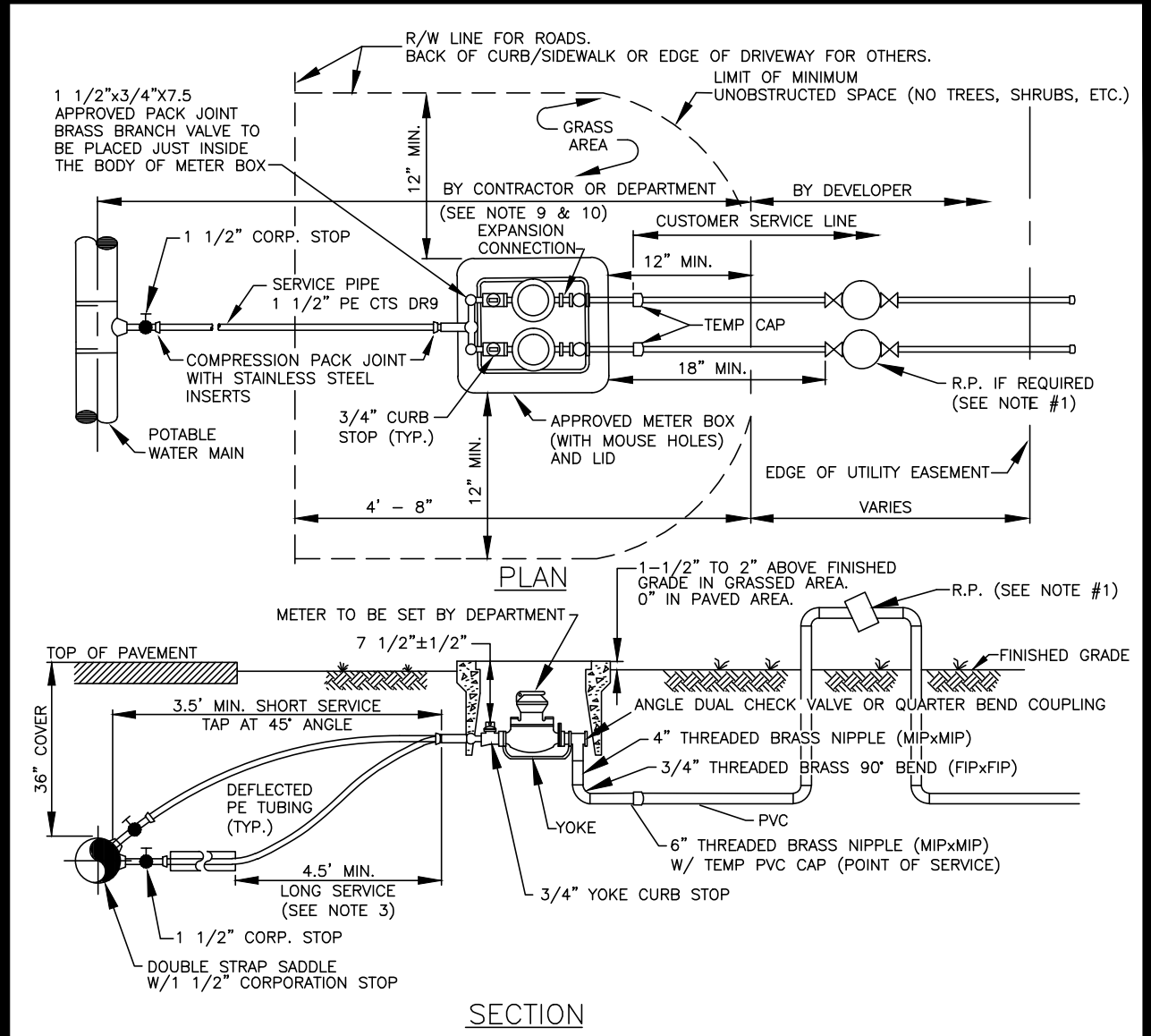
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POTABLE WATER SERVICE SINGLE 5/8" x 3/4" & 1" METER INSTALLATION DETAIL (POLYETHYLENE) 2W



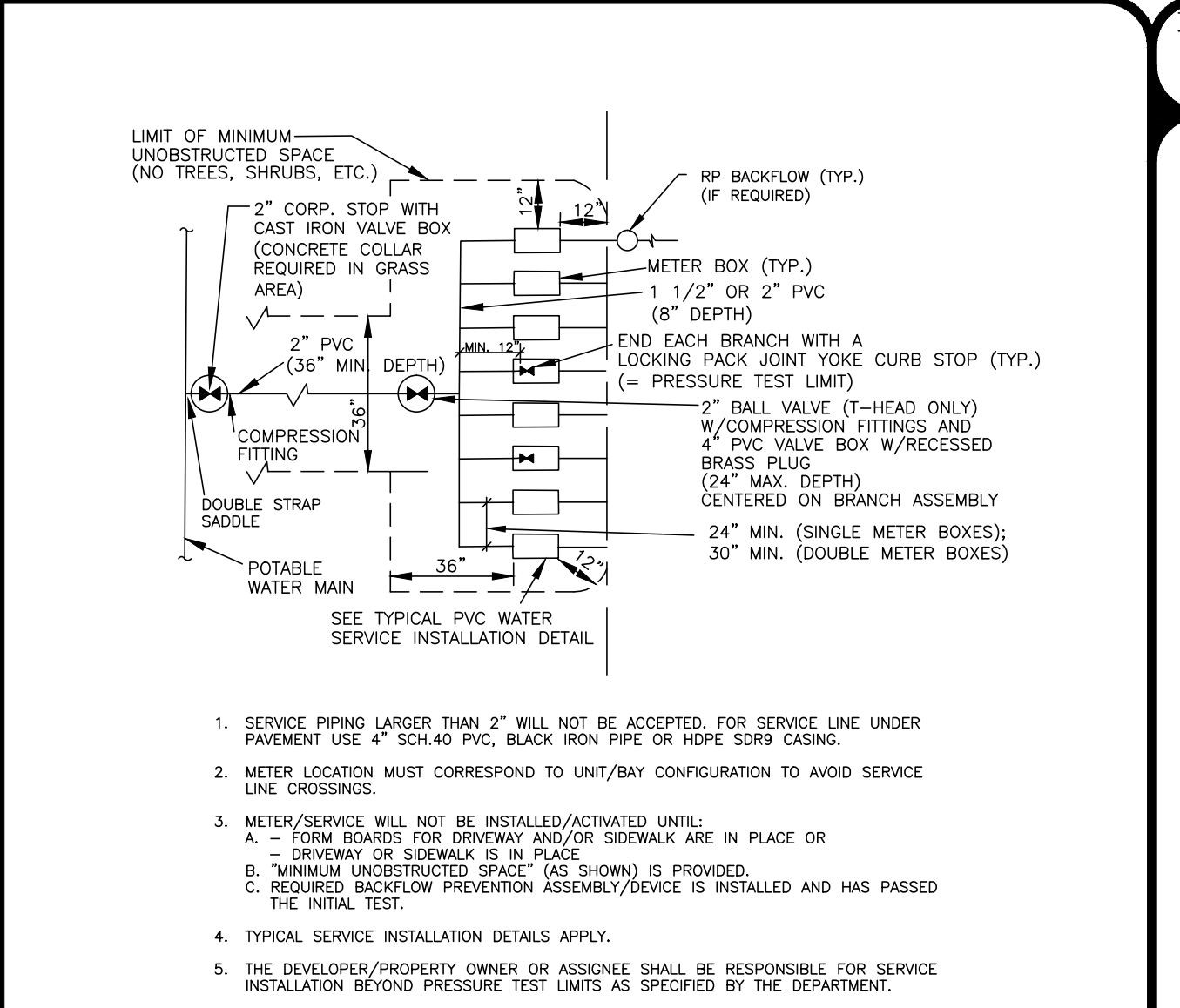
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POTABLE WATER SERVICE DUAL 5/8" x 3/4" METER INSTALLATION DETAIL (PVC) 3W



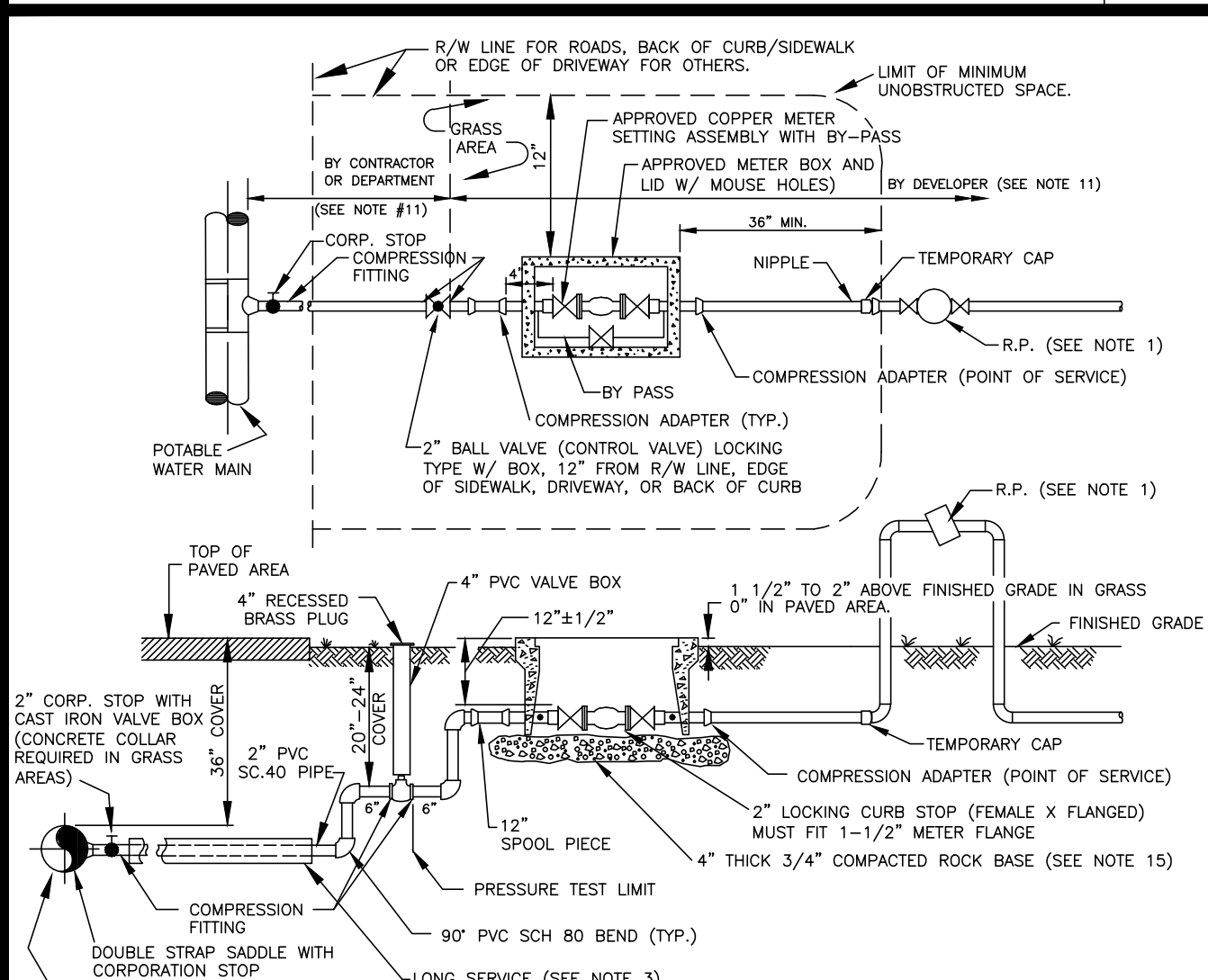
NOTES: 1. ALL NON-RESIDENTIAL SERVICES, SERVICES FOR ALL BUILDINGS OVER THREE STORIES, AND RESIDENTIAL SERVICES WITH INDIVIDUALLY METERED RECLAIMED WATER SERVICE TO HAVE AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (R.P.P.). THE INITIAL TEST OF THE R.P.P. SHALL BE PERFORMED BY THE DEPARTMENT. THE R.P.P. SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE POINT OF SERVICE. 2. 12" MINIMUM CLEARANCE TO BE MAINTAINED BETWEEN METER BOX AND ANY OBSTRUCTION. 3. FOR INSTALLATION OF SERVICES UNDER DRIVEWAYS AND ROADWAYS USE MIN. 3" DIAMETER BLACK IRON, PVC SCH 40, OR HDPE SDR 9 CASING, CASING SHALL EXTEND MIN. 24" BEYOND EDGE OF PAVEMENT, END OF CASING TO BE SEALED WITH CEMENT. CASING SHALL BE COLOR-CODED BLACK, WHITE, BLUE, OR BLUE STRIPED. 4. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" APART. TAPS ON SAME SIDE OF A PVC PIPE SECTION SHALL BE MIN. 10" APART. 5. METER SHALL NOT BE PLACED IN SIDEWALK OR DRIVEWAY AREAS. SERVICE LINES AND TAPS SHALL NOT BE PLACED UNDER DRIVEWAYS WHENEVER POSSIBLE. 6. MAXIMUM SERVICE LENGTH IS 100' TO METER. 7. BEDDING (MIN. 4") AND COVER (MIN. 4") OVER SERVICE LINE OR CASING SHALL CONSIST OF FINE GRANULAR MATERIAL, UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED WITH 2" MAXIMUM SIZE. 8. METER/SERVICE WILL NOT BE INSTALLED/ACTIVATED UNTIL: A. - FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR - DRIVEWAY OR SIDEWALK IS IN PLACE. B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. (MIN 12" VERTICAL SEPARATION IS REQUIRED TO OTHER UTILITIES. C. - THE REQUIRED BACKFLOW PREVENTION ASSEMBLY/DEVICE IS INSTALLED AND HAS PASSED THE INITIAL TEST. 9. METER TO BE SET BY THE DEPARTMENT. 10. THE DEVELOPER/PROPERTY OWNER OR ASSIGNEE SHALL BE RESPONSIBLE FOR INSTALLATION OF SERVICES BEYOND PRESSURE TEST LIMITS AS SPECIFIED BY THE DEPARTMENT. 11. THREADED AREAS OF CORROSION STOP AND OTHER FITTINGS SHALL BE SPIRAL WRAPPED WITH TWO (2) WRAPS OF TEFLON TAPE. ALL BRASS SHALL BE "LEAD FREE". 12. METER BOXES IN NON-GRASS AREAS SHALL HAVE TRAFFIC RATED LIDS. 13. METER BOXES IN NON-GRASS AREAS SHALL HAVE TRAFFIC RATED LIDS. 14. A 12" THICK COMPACTED 3/4" ROCK BASE IS REQUIRED FOR METER BOXES OUTSIDE OF GRASS AREA. THE BASE SHALL EXTEND MINIMUM 12" BEYOND THE METER BOX PERIMETER.

POTABLE WATER SERVICE DUAL 5/8" x 3/4" METER INSTALLATION DETAIL (POLYETHYLENE) 4W



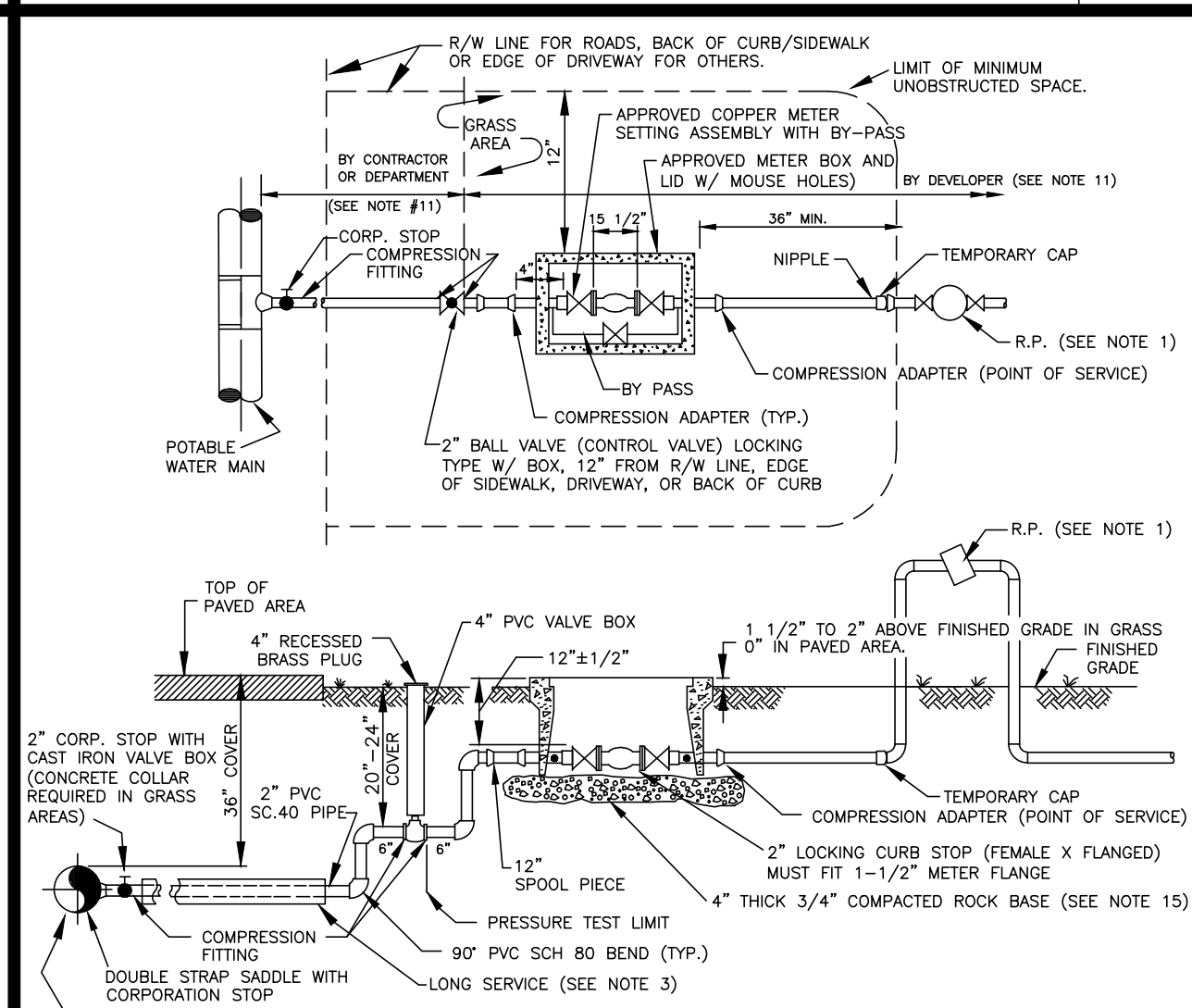
1. SERVICE PIPING LARGER THAN 2" WILL NOT BE ACCEPTED FOR SERVICE LINE UNDER PAVEMENT USE 4" SCH40 PVC, BLACK IRON PIPE OR HDPE SDR CASING. 2. METER LOCATION MUST CORRESPOND TO UNIT/BAY CONFIGURATION TO AVOID SERVICE LINE CROSSINGS. 3. METER/SERVICE WILL NOT BE INSTALLED/ACTIVATED UNTIL: A. - FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR - DRIVEWAY OR SIDEWALK IS IN PLACE. B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. C. REQUIRED BACKFLOW PREVENTION ASSEMBLY/DEVICE IS INSTALLED AND HAS PASSED THE INITIAL TEST. 4. TYPICAL SERVICE INSTALLATION DETAILS APPLY. 5. THE DEVELOPER/PROPERTY OWNER OR ASSIGNEE SHALL BE RESPONSIBLE FOR SERVICE INSTALLATION BEYOND PRESSURE TEST LIMITS AS SPECIFIED BY THE DEPARTMENT. 6. THREADED AREAS OF CORROSION STOP AND OTHER FITTINGS SHALL BE SPIRAL WRAPPED WITH TWO (2) WRAPS OF TEFLON TAPE. ALL BRASS SHALL BE "LEAD FREE". 7. MAX. (8) 5/8" METERS OR MAX. (4) 1" METERS MAY BE CONNECTED TO A SINGLE 2" SERVICE LINE. 8. PLEASE NOTE THAT ADDITIONAL UNOBSTRUCTED SPACE WILL BE REQUIRED FOR THE INSTALLATION OF A BACKFLOW PREVENTERS (IF REQUIRED).

POTABLE WATER TYPICAL CONNECTION FOR MULTIPLE SERVICES 5W



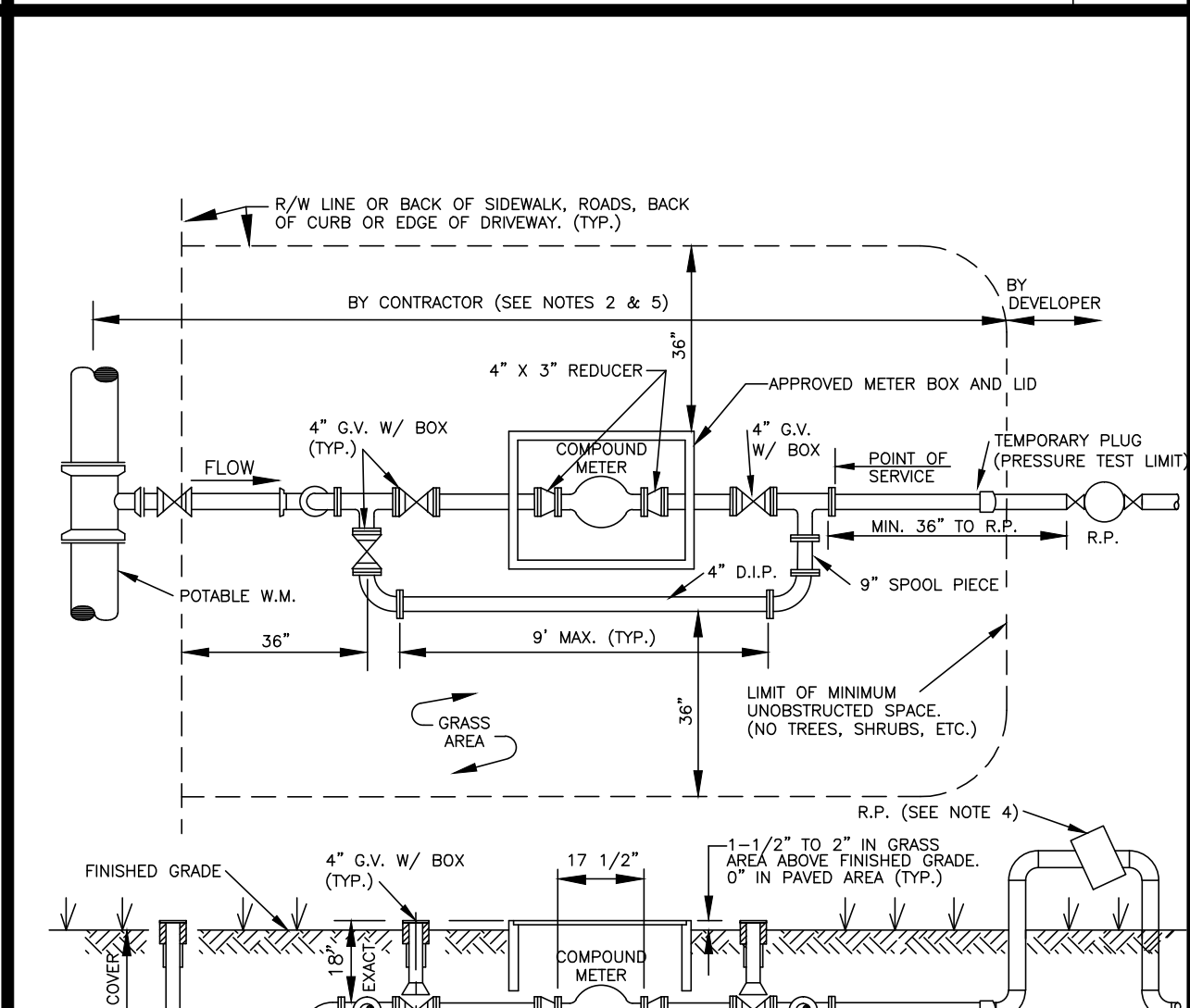
NOTES: 1. ALL SERVICES TO HAVE AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (R.P.P.). THE INITIAL TEST OF THE R.P.P. SHALL BE PERFORMED BY THE DEPARTMENT. THE R.P.P. SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE POINT OF SERVICE. 2. 12" MINIMUM CLEARANCE TO BE MAINTAINED BETWEEN METER BOX/BYPASS AND ANY OBSTRUCTION. 3. FOR INSTALLATION OF SERVICES UNDER DRIVEWAYS AND ROADWAYS, USE MIN. 4" DIAMETER BLACK IRON, PVC SCH 40, OR HDPE SDR 9 CASING, CASING SHALL EXTEND MIN. 24" BEYOND EDGE OF PAVEMENT, CASING TO BE SEALED WITH CEMENT. CASING SHALL BE COLOR-CODED BLACK, WHITE, BLUE, OR BLUE STRIPED. 4. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" APART. TAPS SPACED BETWEEN 18" AND 48" SHALL BE OFFSET TO EACH SIDE OF THE MAIN. TAPS ON THE SAME SIDE OF A PVC PIPE SECTION SHALL BE MIN. 10" APART. 5. METER SHALL NOT BE PLACED IN SIDEWALK OR DRIVEWAY AREAS. SERVICE LINES AND TAPS SHALL NOT BE PLACED UNDER DRIVEWAYS WHENEVER POSSIBLE. 6. MAXIMUM SERVICE LENGTH IS 100' TO METER. 7. BEDDING (MIN. 4") AND COVER (MIN. 4") OVER SERVICE LINE OR CASING SHALL CONSIST OF FINE GRANULAR MATERIAL, UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED WITH 2" MAXIMUM SIZE. 8. METER/SERVICE WILL NOT BE INSTALLED/ACTIVATED UNTIL: A. - FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR - DRIVEWAY OR SIDEWALK IS IN PLACE. B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. (MIN 12" VERTICAL SEPARATION IS REQUIRED TO OTHER UTILITIES. C. REQUIRED BACKFLOW PREVENTION ASSEMBLY IS INSTALLED AND HAS PASSED THE INITIAL TEST. 9. SERVICE COMPONENTS SHALL BE CONSTRUCTED FOR THE METER TO BE INSTALLED "TRUE" AND "PLUMB" AND TO ALLOW METER READING THROUGH THE METER READER LID. 10. APPROVED COPPER METER SETTING ASSEMBLY REQUIRED. 11. METER TO BE INSTALLED BY THE DEPARTMENT. THE PIPING BEYOND THE CONTROL VALVE SHALL BE INSTALLED BY THE DEVELOPER OR THE DEPARTMENT, DEPENDING ON THE TYPE OF SERVICE INSTALLATION REQUESTED. 12. ALL HARDWARE FOR FLANGED CONNECTIONS (BOLTS, ETC.) TO BE STAINLESS STEEL. 13. THREADED AREAS OF CORROSION STOP AND OTHER FITTINGS SHALL BE SPIRAL WRAPPED WITH TWO (2) WRAPS OF TEFLON TAPE. ALL BRASS SHALL BE "LEAD FREE". 14. METER BOXES IN NON-GRASS AREAS SHALL HAVE TRAFFIC RATED LIDS. 15. A 4" THICK COMPACTED 3/4" ROCK BASE IS REQUIRED. THE BASE SHALL EXTEND MINIMUM 12" BEYOND THE METER BOX PERIMETER.

POTABLE WATER 1 1/2" METER INSTALLATION 6W



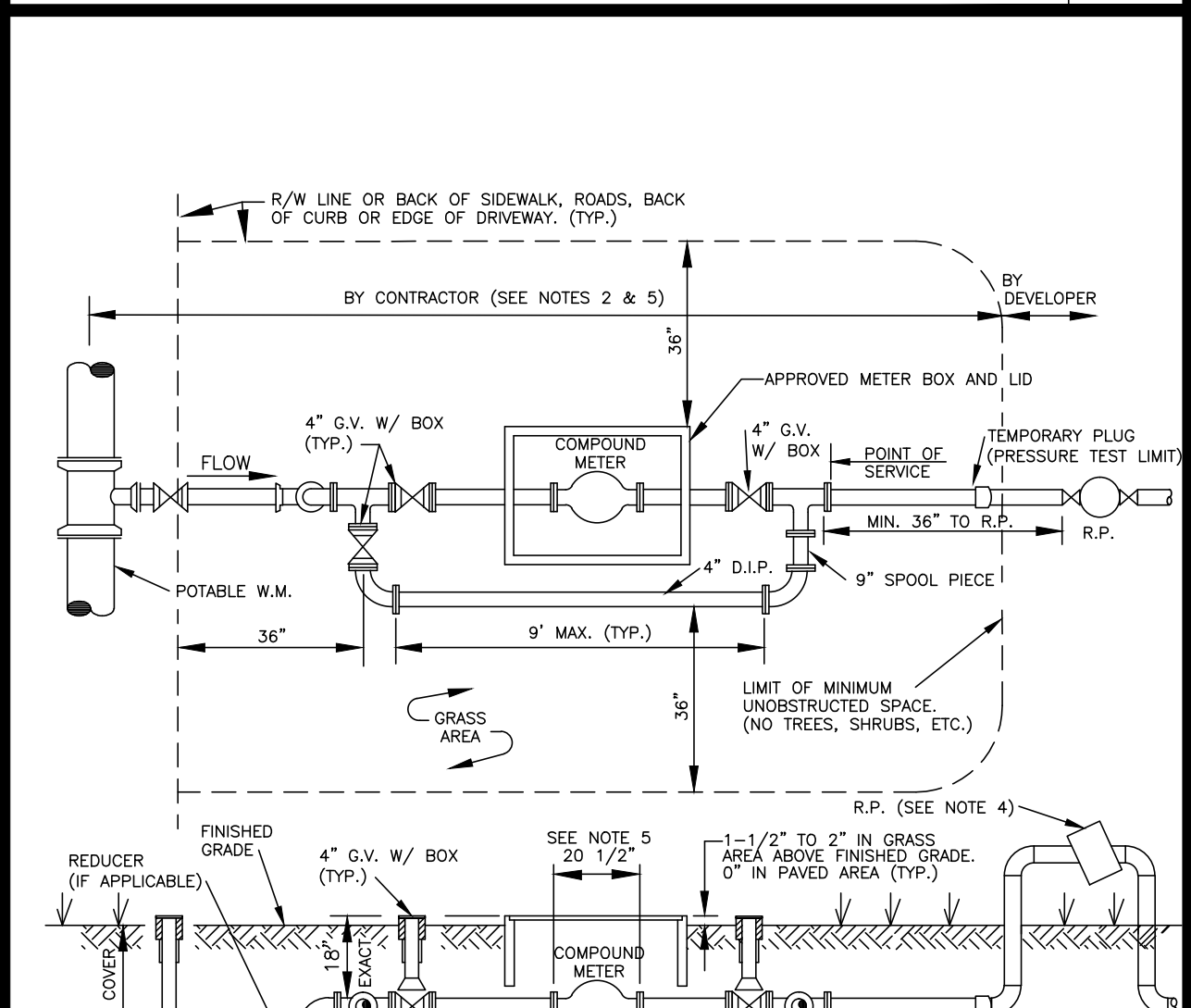
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POTABLE WATER 2" METER INSTALLATION 7W



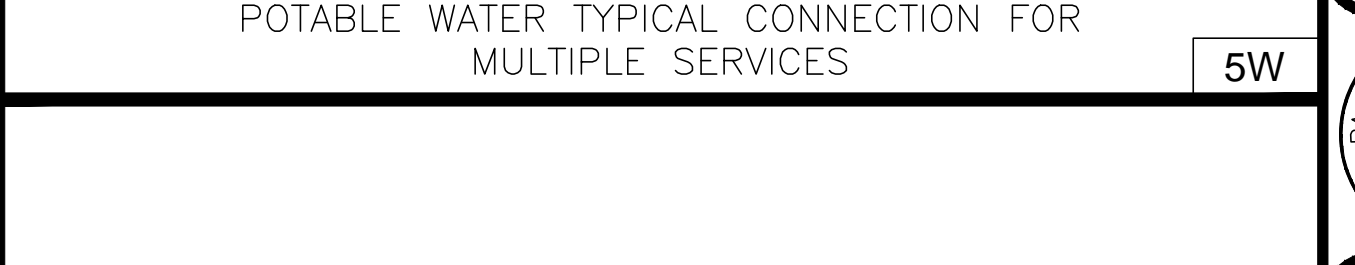
NOTES: 1. ALL SERVICE PIPING SHALL BE 4" DUCTILE IRON WITH 4" GATE VALVES WITH VALVE BOXES AND CONCRETE COLLARS (IF APPLICABLE). 2. ONLY APPROVED METER BOXES SHALL BE USED. THE BOX SHALL BE PROVIDED BY CUSTOMER AND PLACED ABOVE GROUND NEAR THE METER LOCATION. PROPERTY OWNER SHALL EXCAVATE THE METER BOX AREA, EXPOSE THE BRASS PIPING, THEN INSTALL THE BOX AND BACKFILL THE AREA AFTER METER INSTALLATION. 3. APPROVED RESTRAINED FLANGED ADAPTERS ARE REQUIRED. PLACE 4"x3" FLANGED REDUCERS AS SHOWN ON DETAIL. 4. ALL SERVICES TO HAVE AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (R.P.P.). THE INITIAL TEST OF THE R.P.P. SHALL BE PERFORMED BY THE DEPARTMENT. THE R.P.P. SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE POINT OF SERVICE. 5. WATER METER SHALL BE INSTALLED BY THE DEPARTMENT. LAYING LENGTH OF THE METER TO BE CONFIRMED PRIOR TO SERVICE INSTALLATION. 6. SERVICE COMPONENTS SHALL BE CONSTRUCTED FOR THE METER TO BE INSTALLED "TRUE" AND "PLUMB" AND TO ALLOW METER READING THROUGH THE METER READER LID. 7. THE ENTIRE ASSEMBLY (WITHOUT METER/SPOOL PIECES AS SHOWN) SHALL BE PRESSURE TESTED AS REQUIRED. 8. METER/SERVICE WILL NOT BE INSTALLED/ACTIVATED UNTIL: A. - FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR - DRIVEWAY OR SIDEWALK IS IN PLACE. B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. (MIN 12" VERTICAL SEPARATION IS REQUIRED TO OTHER UTILITIES. C. REQUIRED BACKFLOW PREVENTION ASSEMBLY IS INSTALLED AND HAS PASSED THE INITIAL TEST. 9. BYPASS PIPING SHALL BE INSTALLED ON THE RIGHT SIDE OF METER IN DIRECTION OF FLOW UNLESS OTHERWISE APPROVED BY COUNTY. 10. ALL HARDWARE FOR FLANGED CONNECTIONS (BOLTS, ETC.) TO BE STAINLESS STEEL. 11. METER BOXES IN NON-GRASS AREAS SHALL HAVE TRAFFIC RATED LIDS. 12. A 4" THICK COMPACTED 3/4" ROCK BASE IS REQUIRED. THE BASE SHALL EXTEND MINIMUM 12" BEYOND THE METER BOX PERIMETER.

POTABLE WATER 3" METER INSTALLATION 8W



NOTES: 1. ALL SERVICE PIPING SHALL BE 4" DUCTILE IRON WITH 4" GATE VALVES WITH VALVE BOXES AND CONCRETE COLLARS (IF APPLICABLE). 2. ONLY APPROVED METER BOXES SHALL BE USED. THE BOX SHALL BE PROVIDED BY CUSTOMER AND PLACED ABOVE GROUND NEAR THE METER LOCATION. PROPERTY OWNER SHALL EXCAVATE THE METER BOX AREA, EXPOSE THE BRASS PIPING, THEN INSTALL THE BOX AND BACKFILL THE AREA AFTER METER INSTALLATION. 3. APPROVED RESTRAINED FLANGED ADAPTERS ARE REQUIRED. 4. ALL SERVICES TO HAVE AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (R.P.P.). THE INITIAL TEST OF THE R.P.P. SHALL BE PERFORMED BY THE DEPARTMENT. THE R.P.P. SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE POINT OF SERVICE. 5. WATER METER SHALL BE INSTALLED BY THE DEPARTMENT. LAYING LENGTH OF THE METER TO BE CONFIRMED PRIOR TO SERVICE INSTALLATION. 6. SERVICE COMPONENTS SHALL BE CONSTRUCTED FOR THE METER TO BE INSTALLED "TRUE" AND "PLUMB" AND TO ALLOW METER READING THROUGH THE METER READER LID. 7. THE ENTIRE ASSEMBLY (WITHOUT METER/SPOOL PIECES AS SHOWN) SHALL BE PRESSURE TESTED AS REQUIRED. 8. METER/SERVICE WILL NOT BE INSTALLED/ACTIVATED UNTIL: A. - FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR - DRIVEWAY OR SIDEWALK IS IN PLACE. B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. (MIN 12" VERTICAL SEPARATION IS REQUIRED TO OTHER UTILITIES. C. REQUIRED BACKFLOW PREVENTION ASSEMBLY IS INSTALLED AND HAS PASSED THE INITIAL TEST. 9. BYPASS PIPING SHALL BE INSTALLED ON THE RIGHT SIDE OF METER IN DIRECTION OF FLOW UNLESS OTHERWISE APPROVED BY COUNTY. 10. ALL HARDWARE FOR FLANGED CONNECTIONS (BOLTS, ETC.) TO BE STAINLESS STEEL. 11. METER BOXES IN NON-GRASS AREAS SHALL HAVE TRAFFIC RATED LIDS. 12. A 4" THICK COMPACTED 3/4" ROCK BASE IS REQUIRED. THE BASE SHALL EXTEND MINIMUM 12" BEYOND THE METER BOX PERIMETER.

POTABLE WATER 4" METER INSTALLATION 9W



NOTES: 1. ALL SERVICE PIPING SHALL BE 6" DUCTILE IRON WITH 4" GATE VALVES WITH VALVE BOXES AND CONCRETE COLLARS (IF APPLICABLE). 2. ONLY APPROVED METER BOXES SHALL BE USED. THE BOX SHALL BE PROVIDED BY CUSTOMER AND PLACED ABOVE GROUND NEAR THE METER LOCATION. PROPERTY OWNER SHALL EXCAVATE THE METER BOX AREA, EXPOSE THE BRASS PIPING, THEN INSTALL THE BOX AND BACKFILL THE AREA AFTER METER INSTALLATION. 3. APPROVED RESTRAINED FLANGED ADAPTERS ARE REQUIRED. 4. ALL SERVICES TO HAVE AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (R.P.P.). THE INITIAL TEST OF THE R.P.P. SHALL BE PERFORMED BY THE DEPARTMENT. THE R.P.P. SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE POINT OF SERVICE. 5. WATER METER SHALL BE INSTALLED BY THE DEPARTMENT. LAYING LENGTH OF THE METER TO BE CONFIRMED PRIOR TO SERVICE INSTALLATION. 6. SERVICE COMPONENTS SHALL BE CONSTRUCTED FOR THE METER TO BE INSTALLED "TRUE" AND "PLUMB" AND TO ALLOW METER READING THROUGH THE METER READER LID. 7. THE ENTIRE ASSEMBLY (WITHOUT METER/SPOOL PIECES AS SHOWN) SHALL BE PRESSURE TESTED AS REQUIRED. 8. METER/SERVICE WILL NOT BE INSTALLED/ACTIVATED UNTIL: A. - FORM BOARDS FOR DRIVEWAY AND/OR SIDEWALK ARE IN PLACE OR - DRIVEWAY OR SIDEWALK IS IN PLACE. B. "MINIMUM UNOBSTRUCTED SPACE" (AS SHOWN) IS PROVIDED. (MIN 12" VERTICAL SEPARATION IS REQUIRED TO OTHER UTILITIES. C. REQUIRED BACKFLOW PREVENTION ASSEMBLY IS INSTALLED AND HAS PASSED THE INITIAL TEST. 9. BYPASS PIPING SHALL BE INSTALLED ON THE RIGHT SIDE OF METER IN DIRECTION OF FLOW UNLESS OTHERWISE APPROVED BY COUNTY. 10. ALL HARDWARE FOR FLANGED CONNECTIONS (BOLTS, ETC.) TO BE STAINLESS STEEL. 11. METER BOXES IN NON-GRASS AREAS SHALL HAVE TRAFFIC RATED LIDS. 12. A 4" THICK COMPACTED 3/4" ROCK BASE IS REQUIRED. THE BASE SHALL EXTEND MINIMUM 12" BEYOND THE METER BOX PERIMETER. 13. THIS DESIGN IS NOT APPLICABLE FOR BULK WATER SERVICE CONNECTIONS.

POTABLE WATER 6" METER INSTALLATION POTABLE WATER #1 STANDARD DETAILS 10W

CONSULTANT: SIMMONS & WHITE ENGINEERS & PLANNERS 13400 N.W. 12TH AVE., SUITE 100, WEST PALM BEACH, FL 33414 (561) 493-6000. IT'S THE LAW! CALL 48 HOURS BEFORE YOU DIG 1-800-432-4770 SUNSHINE STATE ONE CALL OF FLORIDA, INC. UTILITIES NOTIFICATION CENTER. JOB NO. 14-091 DRAWING NO. 14091S09. DESIGNED BY: WUD CHECKED BY: A. GALICKI APPROVED BY: WUD. DRAWN BY: WUD Palm Beach County Water Utilities Department P.O. Box 16097 West Palm Beach, FL 33416-6097. Sep 21, 2016.