

LEGEND
 L.D. - NOMINAL PIPE SIZE
 O.D. - OUTSIDE DIAMETER OF PIPE
 H - COVER ABOVE TOP OF PIPE
 A - EMBEDDED BELOW PIPE (SEE TABLE)

TABLE OF EMBEDDED DEPTHS BELOW PIPE		
L.D.	MIN. SOIL	MIN. ROCK
27" & SMALLER	3"	6"

GRANULAR BEDDING SHALL BE CRUSHED ROCK OR PEA GRAVEL WITH NOT LESS THAN 95% PASSING 1/2" (90% PASSING 3/4" FOR 30" AND LARGER PIPE) AND NOT LESS THAN 95% RETAINED ON A #4 TO BE PLACED IN NOT MORE THAN 6" LAYERS AND COMPACTED BY SLONG WITH A SHOVEL OR VIBRATOR.

COMPACTED BACK FILL SHALL BE FINELY DIVIDED JOB EXCAVATED MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL AND STONES, PLACED IN UNIFORM LAYERS NOT MORE THAN 6" THICK, COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY A S.T.M. DRUM, OR GRADED AGGREGATE. GRANULAR BACK FILL MATERIAL MAY BE SUBSTITUTED FOR ALL OR PART OF COMPACTED BACK FILL.

TAMPED BACK FILL SHALL BE FINELY DIVIDED JOB EXCAVATED MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL AND STONES, HAND PLACED IN UNIFORM LAYERS NOT MORE THAN 6" THICK AND TAMPED AROUND CONDUIT PIPE. GRANULAR BACK FILL MATERIAL MAY BE SUBSTITUTED FOR ALL OR PART OF TAMPED BACK FILL.

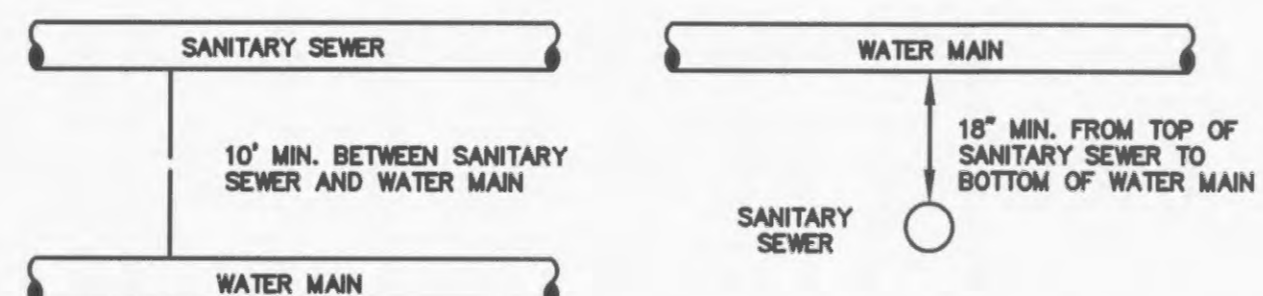
TRENCH BACK FILL SHALL BE AS REQUIRED IN THE "LAYING AND BACK FILL" SECTION OF THE DETAILED SPECIFICATIONS.

EMBEDDING THE TYPE OF EMBEDDING TO BE USED SHALL BE AS SPECIFIED IN THE PLANS AND SPECIFICATIONS.

TRACER WIRE REQUIRED ON ALL WATER MAINS

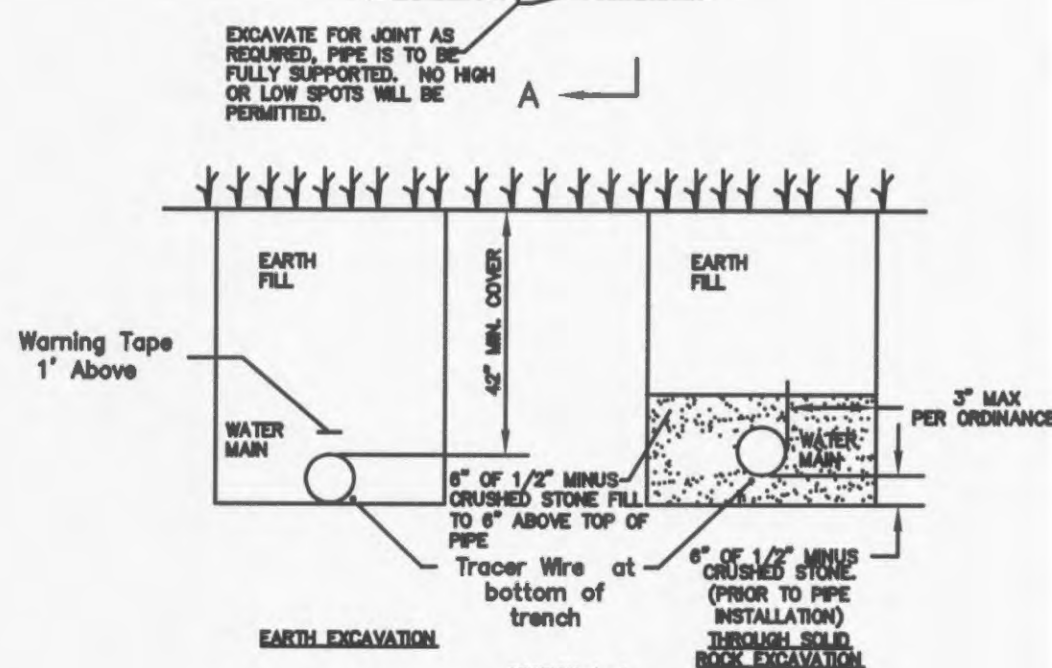
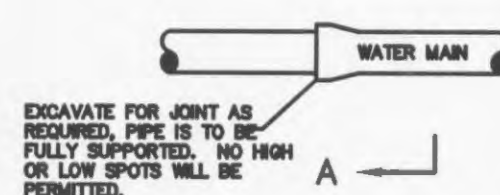
WATER MAIN EMBEDDED
NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
WATER MAIN EMBEDDED



TYPICAL WATER AND SEWER SEPARATION
NOT TO SCALE

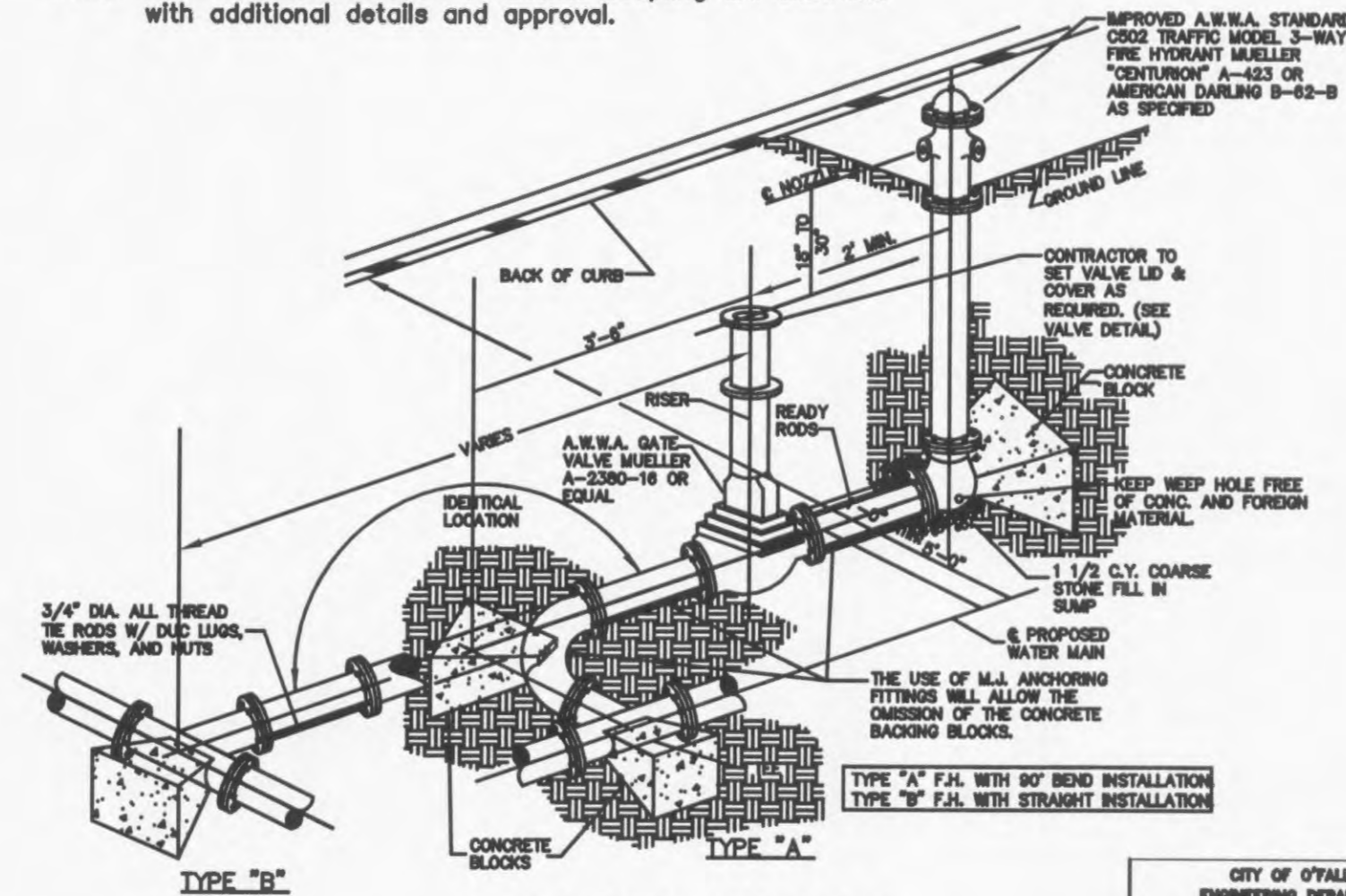
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 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
WATER AND SEWER SEPARATION DETAIL



TYPICAL WATER MAIN INSTALLATION DETAILS
NOT TO SCALE

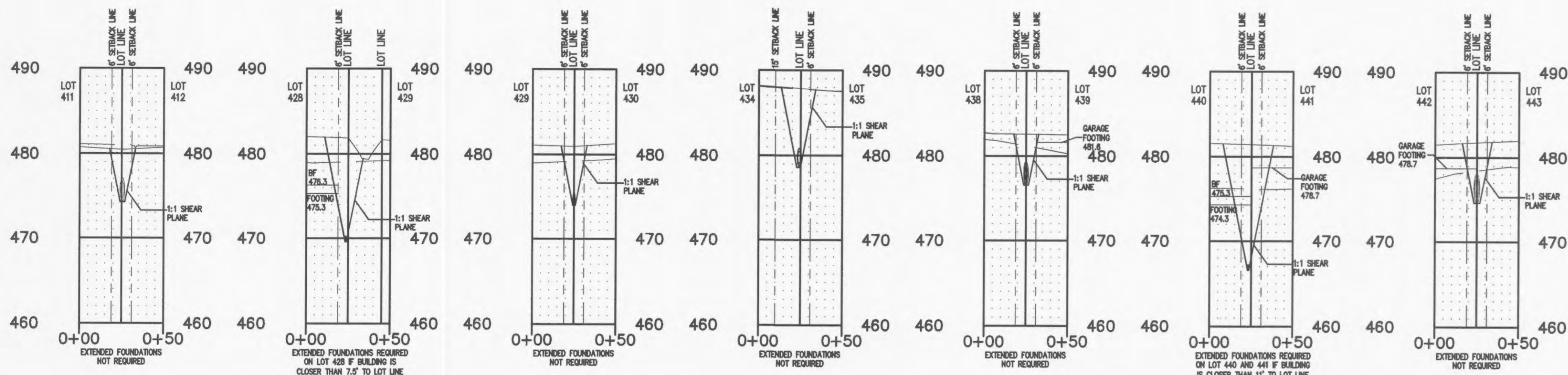
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 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
WATER MAIN INSTALLATION DETAIL

Note: Other connections such as anchor coupling are allowable with additional details and approval.



FIRE HYDRANT DETAIL
NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
FIRE HYDRANT DETAILS



PROJECT TITLE
 IMPROVEMENT PLANS
BROOKSIDE
 VILLAGE B 2-A
 DETAILS

PICKETT, RAY & SILVER INC
 CIVIL ENGINEERING, LAND SURVEYING,
 AND NATURAL RESOURCES SERVICES
 205 Parkview Court
 St. Peters, MO 65770
 Phone (636) 397-1211 Fax (636) 397-1104
 www.prsd.com 1-800-708-3918

ENGINEERS AUTHORIZATION
 THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING LIABILITY ON THIS PROJECT IS HEREBY LIMITED TO THE SET OF PLANS AUTHENTICATED BY THE SEAL, SIGNATURE, AND DATE HEREON ATTACHED. RESPONSIBILITY IS INVOLVED FOR ALL OTHER ENGINEERING PLANS INVOLVED IN THIS PROJECT AND SPECIFICALLY EXCLUDED HEREON AFTER THIS DATE UNLESS REAUTHENTICATED.
PICKETT, RAY & SILVER, INC. MO. LIC. NO. 000035
 KARL ANTHONY SCHOENIKE
 NUMBER PE-2003015039
 PROFESSIONAL ENGINEER
 ELECTRONIC SEAL
 KARL A. SCHOENIKE, P.E.
 PROFESSIONAL ENGINEER LICENSE 2003015039

Developer / Owner Information
 Lombardo Homes of St. Louis, LLC
 2298 Technology Drive, Suite 150
 O'Fallon, Missouri 63368



P+Z No. 2603.04
 City No. 14-156-SP

*** APPROVED FOR CONSTRUCTION *** 08/22/14 ***