

WATER NOTE:
 4" SERVICE LINES AND WATER METERS TO BE BUILT AS EACH BUILDING IS BUILT.
 BACKFLOW PREVENTERS SHALL BE LOCATED ON AN EXTERIOR WALL INSIDE OF EACH BUILDING.
 1 WATER METER SHALL BE USED FOR EACH BUILDING.
 ALL WATERLINES ADJACENT OF THE BRAMBLETT ROAD RIGHT OF WAY SHALL BE PUBLIC.

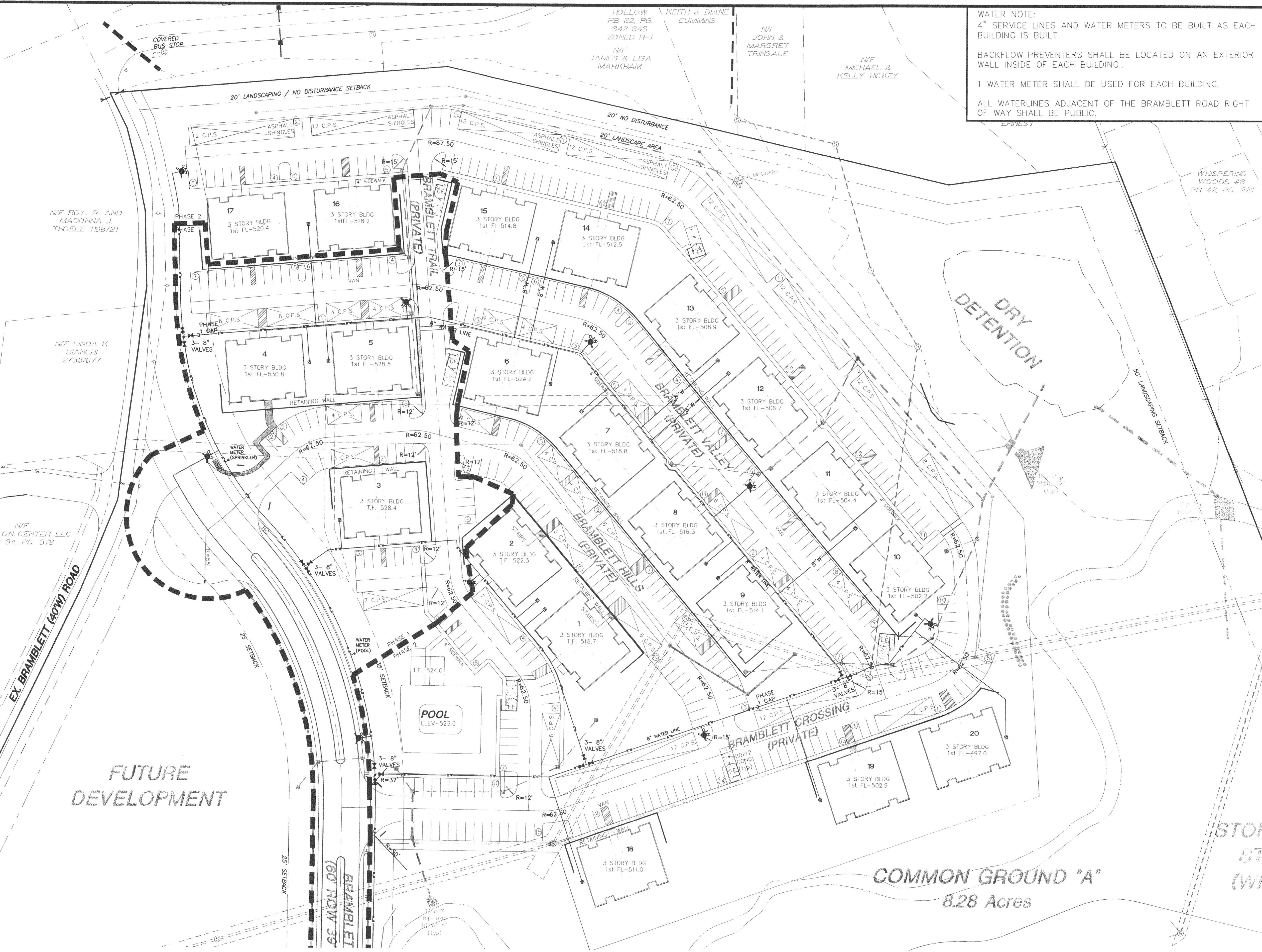
SEPARATION OF WATER MAINS, SANITARY SEWERS AND COMBINED SEWERS
 Parallel Installation.

Water mains shall be laid at least ten (10') feet horizontally from any existing or proposed sewer. The distance shall be measured from edge to edge. In cases where it is not practical to maintain a ten-foot separation, the department may allow deviation on a case-by-case basis, if supporting data from the design engineer. Such deviation may allow installation of the water main closer to a sewer, provided that the water main is laid in a separate trench or an undisturbed earth shelf located on one side of the sewer and on either case, at such an elevation that the bottom of the water main is at least eighteen (18") inches above the top of the sewer. In areas where the recommended separation can not be obtained, either the waterline at the sewer line shall be constructed of mechanical joint pipe or cased in a continuous casing.

Crossing
 Water mains crossing sewers shall be laid to provide a minimum vertical clear distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. At crossings, the full length of water pipe shall be located so both joints will be as far from the sewer as possible but in no case less than ten (10') feet. Special structural support for the water and sewer pipes may be required. In areas where the recommended separations cannot be obtained either the waterline of the sewerline shall be constructed of mechanical joint pipe or cased in a continuous casing that extends no less than ten (10') feet on both sides of the crossing.

Water main shall be Class 200, SDR-21 or "Ultra-Blue" PVC, installed with tracer tape and locator wire.

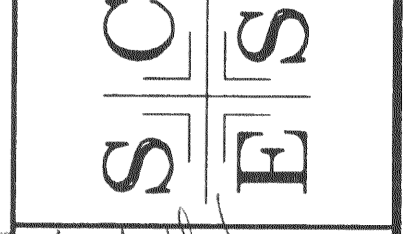
THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE OR NON-EXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SUD UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.



01/18/08	REVISED BID SET
02/18/08	REVISED PER CITY COMMENTS
09/25/08	REVISED PHASE PLAN
10/02/08	REVISED PHASE PLAN

BELLEAU CROSSING WATER PLAN

ST. CHARLES ENGINEERING & SURVEYING, INC.
 801 S. FIFTH STREET, SUITE 202
 ST. CHARLES, MO 63301
 TEL: (636) 947-0607 FAX: (636) 947-2448



10-2-08
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 DATE

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