

A SET OF AS-BUILT PLANS FOR
LOT 5 OF AMBER MEADOWS
 A TRACT OF LAND BEING PART OF
 LOT 5 OF AMBER MEADOWS PLAT
 ONE TOWNSHIP 46N., RANGE 3E.
 ST. CHARLES COUNTY, MISSOURI
 PLAT BOOK 39, PAGES 240-241

VEGETATIVE ESTABLISHMENT
 For Urban Development Sites
 APPENDIX A

Seeding Rates:
 Permanent:
 Tall Fescue - 80 lbs./ac.
 Smooth Brome - 100 lbs./ac.
 Combined Fescue @ 40 lbs./ac. and Brome @ 50 lbs./ac.
 Temporary:
 Wheat or Rye - 90/120 lbs./ac. (2.0/2.5 lbs. per 1000 square feet)
 Oats - 80 lbs./ac. (2 lbs. per 1000 square feet)

Seeding Periods:
 Fescue or Brome - February 1 to June 1
 August 1 to November 1
 Wheat or Rye - January 1 to June 1, July 15 to November 15
 Oats - February 1 to June 1, August 1 to October 1

Fertilizer Rates:
 Nitrogen 30 lbs./ac.
 Phosphate 60 lbs./ac.
 Potassium 30 lbs./ac.
 Lime 600 lbs./ac. ENM*

* ENM = effective neutralizing material as per State evaluation of quarried rock.

GENERAL NOTES

- Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to any grading or construction of the improvements.
 - All trench backfills under paved areas shall be granular backfill, and shall be compacted to 90% of the maximum density as determined by the "ASTM D-1557 Compaction Test," (A.S.T.M.-D-1557). All trench backfills may be earth material (free of large clods or stones). All trench backfills shall be water jetted or mechanically compacted.
 - No area shall be cleared without the permission of the Project Engineer.
 - A recorded easement document for the vacation of the existing easement and conveyance of the new easement will be required prior to final acceptance and maintenance by the City of O'Fallon.
 - The City of O'Fallon shall be notified 48 hours prior to construction for coordination and inspection.
 - All storm inlets must be installed with a 5/8" trash bar across the opening.
 - Concrete pipe for storm sewers shall be Class III, A.S.T.M. C-76 with a minimum diameter of 12" except in the R.O.W. it shall be 15".
 - HDPE pipe is to be N-12WT or equal and to meet ASTM F1417 water tight field test.
 - Concrete pipe joints shall be MSD type "A" approved compression-type joints and shall conform to the requirements of the specifications for joints for circular concrete sewer and culvert pipe, using flexible, watertight, rubber-type gaskets (A.S.T.M.-C-443). Band-type gaskets depending entirely on cement for adhesion and resistance to displacement during jointing shall not be used.
 - When HDPE pipe is used, City of O'Fallon specifications or manufacturers specifications, which ever are more stringent, shall be followed.
 - The use of High Density Polyethylene Corrugated pipe, ADS N-12WT or equal will be permitted outside R.O.W. as an acceptable alternative to reinforced concrete pipe. Pipe shall meet A.S.T.M. F1417 water tight field test.
 - All flared end sections and inlet structures will be concrete.
 - All concrete pipe or ADS N-12 pipe shall be installed with "O-Ring" Rubber type gaskets per M.S.D. standard construction specifications or manufacturer.
 - All utilities shall be located underground.
 - Storm and sanitary sewer pipe placed at less than 1% slope shall have field verification of pipe slope before backfilling.
 - Any permits, licenses, easements, or approvals required to work on public or private properties or roadways are the responsibility of the developer.
 - No slopes shall exceed 3(H):1(V).
 - Brick shall not be used in the construction of storm sewer structures.
 - Connections of all sanitary or storm structures to be made with A-lock joint or equal.
 - The contractor shall assume complete responsibility for controlling all siltation and erosion of the project area. The contractor shall use whatever means necessary to control erosion and siltation including, but not limited to, staked straw bales and/or siltation fabric fences (possible methods of control are detailed in the plan). Control shall commence with land disturbance and be maintained throughout the project area until acceptance of the work by the Owner and/or the City of O'Fallon. The contractor's responsibilities include all design and implementation as required to prevent erosion and the depositing of silt. The Owner and/or the City of O'Fallon may at their option direct the contractor in his methods as deemed fit to protect property and improvements. Any depositing of silt or mud on new or existing pavement shall be removed immediately. Any depositing of silt or mud in new or existing storm sewers shall be removed after each rain and affected areas cleaned to the satisfaction of the Owner and/or City of O'Fallon.
 - Trees, organic debris, rubble foundations and other deleterious material shall be removed from the site and disposed of in compliance with all applicable laws and regulations.
 - All erosion control systems are to be inspected and necessary corrections made within 24 hours of any rain storm resulting in one-half inch of rain or more.
 - Due to the size and location of the proposed invert compared to where the existing invert is located at AI 417 may be damaged and need to be replaced. This will be determined during construction.
 - Less than one acre to be disturbed.
- UTILITIES
- Site is served by:
 Duckett Creek & City of O'Fallon sewers
 AmerenUE
 St. Charles Gas Company
 St. Charles County P.W.S.D.No. 2
 Verizon Telephone Company
 Fort Zumwalt School District
 O'Fallon Fire Protection District
- No Floodplain exists on this tract per F.I.R.M #29183C0240 E. dated Aug. 2, 1996.

ROLWES HOMES
 12400 OLIVE BLVD SUITE 407
 ST. LOUIS, MO 63141
 314-485-6200

PREPARED FOR:

DISCLAIMER OF RESPONSIBILITY
 I hereby certify that the documents intended to be submitted by my seal are correct, true, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architecture or engineering project or survey.

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REVISIONS

NO.	DATE	REVISIONS
6/27/08		CITY COMMENTS

BAE

ENGINEERING
 PLANNING
 SURVEYING

221 Point West Blvd.
 St. Charles, MO 63301
 636-928-5552
 FAX 928-1718

05/28/08
 DATE

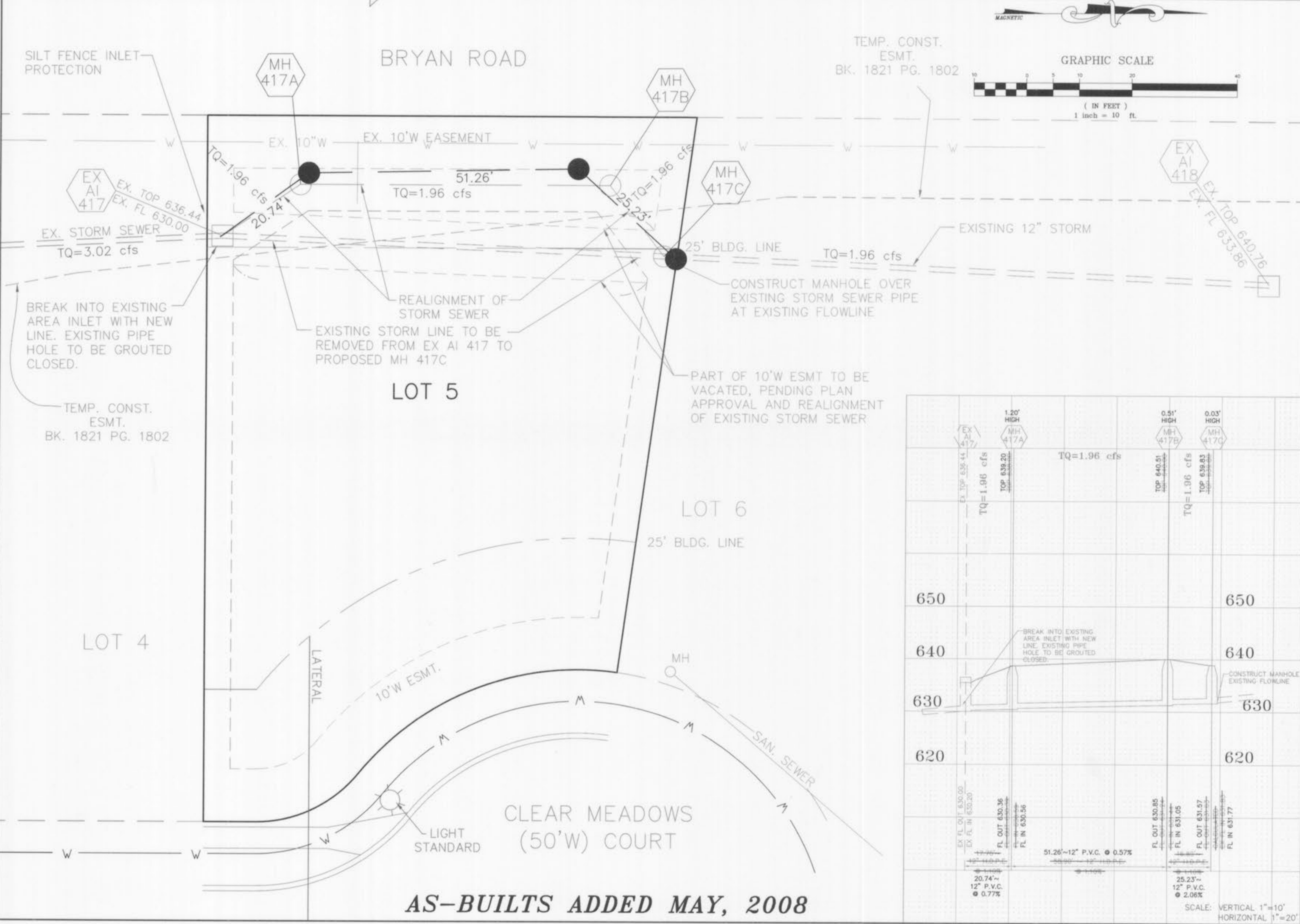
00-11289D
 PROJECT NUMBER

1 OF 1
 SHEET OF

11289I.015ASB.DWG
 FILE NAME

JLH
 DRAWN

MJT DJB
 DESIGNED CHECKED



STATION	INVERT	PIPE	LENGTH	GRADE	FLOWLINE
650	1.20' HIGH MH 417A	12" P.V.C.	51.26'	0.57%	FL IN 630.20
640	0.51' HIGH MH 417B	12" P.V.C.	20.74'	0.77%	FL IN 630.36
630	0.03' HIGH MH 417C	12" P.V.C.	25.23'	2.06%	FL IN 631.57
620					FL IN 631.77

SCALE: VERTICAL 1"=10'
 HORIZONTAL 1"=20'

REFERENCE BENCHMARK

R.M. #65- ELEV.=509.47(U.S.G.S. DATUM)
 CHISLED "L" ON THE SOUTH END OF THE WEST HEADWALL OF COUNTY HIGHWAY K BRIDGE OVER BELLEAU CREEK.

SITE BENCHMARK

ELEV.=667.66 NAVD 1929 DATUM (U.S.G.S.)
 ST. CHARLES COUNTY GEODOMIC REFERENCE STATION "OR" STANDARD BRASS DISK STAMPED "OR" 131" IN A SQUARE CONCRETE POST IN A SMALL MOUND ± 10' NORTHWEST OF THE NORTHWEST CORNER OF A SHED ADDITION TO AN OLDER BARN, 20'-25' SOUTHWEST OF A SMALL POND; 39' NORTHEAST OF A LONE PEAR TREE AND 24.9' NORTHEAST OF A METAL WITNESS POST AND SIGN. LOCATED AT 1301 BRYAN ROAD 350' NORTHWEST OF HOUSE.

SEWER MEASUREMENTS

THE EXISTING SEWER LENGTHS, SIZES, FLOWLINES, DEPTHS OF STRUCTURES AND SEWERS AND LOCATIONS WITH RESPECT TO EXISTING OR PROPOSED EASEMENTS HAVE BEEN MEASURED. THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS.

ALL PUBLIC SEWERS ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS EXCEPT AS FOLLOWS:

SIGNED: [Signature]
 P.E./L.S. DATE: 7/29/08

