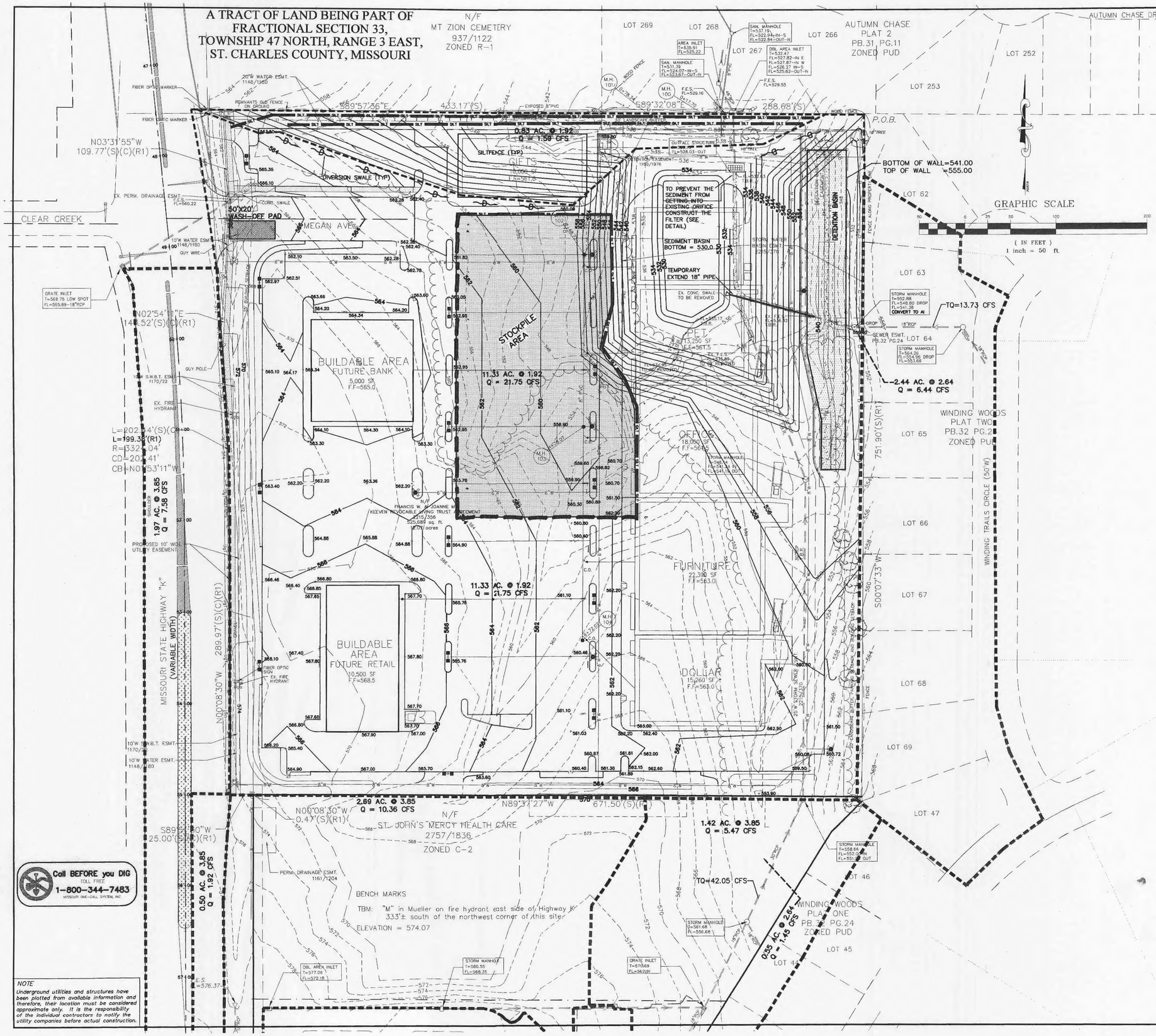
A TRACT OF LAND BEING PART OF FRACTIONAL SECTION 33, TOWNSHIP 47 NORTH, RANGE 3 EAST, ST. CHARLES COUNTY, MISSOURI



GRADING NOTES

1. Siltation control will be provided as required to prevent run-off.
2. Siltation control shall be silt fence and/or straw bales placed end to end and anchored with no less than 3' long x 2"x1" wooden stakes. Upon completion of storm sewers, straw bales shall be placed on all sides of structures and shall remain until all graded areas are seeded or sodded.
3. All straw bales must be countersunk a minimum of 3" and additional straw bales shall be placed at the direction of the city.
4. The contractor shall field investigate the entire site prior to his bid submittal noting the existing vegetation and trees and including the removal and disposal of same in his bid.
5. No area shall be cleared without permission of the developer.
6. All grade shall be within 0.2 feet more or less of those shown on the grading plan.
7. No slope shall be greater than 3:1 and shall be either sodded or seeded or mulched.
8. The contractor shall restore offsite construction areas to an equal or better condition than existed prior to commencement of construction.
9. Earth subgrade for paved areas must be compacted to a minimum 90% of maximum dry density as determined by the Modified AASHTO T-180 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99. All filled places in proposed roads shall be compacted from the bottom of the fill up. All test shall be verified by a soils engineer concurrent with grading and backfilling operations and must be approved by a City Representative before paving may commence. Owner to provide a copy of the soils report to the grading contractor. Contractor shall be responsible for adhering to all recommendations outlined in the soils report.
10. Soil preparation and revegetation shall consist of Tall Fescue(TF) & Smooth Brome(SB) between March 1st. and June 1st. at a rate of TF=30lbs/AC & SB=20lsb/AC. See Appendix A of the Model Sediment and Erosion Control Regulations for Urban Development.
11. Proposed phasing of development (rough dates) including:
    - JUNE 04 – JULY 04 a. Clearing (estimated duration of exposed area).
    - JUNE 04 – DEC 04 b. Grading and construction (installation of temporary sediment control, storm drainage, paving).
    - DEC 04 – _____ c. Final Grading and Landscaping (vegetative cover).
12. Where natural vegetation is removed during grading, vegetation shall be re-established in such a density as to prevent erosion. Permanent type grasses shall be established as soon as possible or during the next seeding period after grading has been completed. Refer to Appendix A of St. Charles Soil and Water Conservation District – Model Sediment and Erosion Control Regulations.
13. When grading operations are completed or suspended for more than 14 days, permanent grass must be established at sufficient density to provide erosion control on the site. Between permanent grass seeding periods, temporary cover shall be provided according to the designated officials recommendation. Refer to Appendix A of St. Charles Soil and Water Conservation District – Model Sediment and Erosion Control Regulations.
14. Developer must supply City construction inspectors with soils reports prior to or during site soil testing.
15. Erosion control systems shall be inspected and necessary corrections made within 24 hours of any rainstorm resulting in one-half inch of rain or more.

EROSION AND SEDIMENT CONTROL NOTES:

1. EROSION AND SILTATION CONTROL SHALL BE INSTALLED PRIOR TO ANY GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND/OR CONTROLLING REGULATORY AGENCY AND ADEQUATE VEGETATIVE GROWTH INSURES NO FURTHER EROSION OF THE SOIL.
2. TEMPORARY SILTATION CONTROL MEASURES (STRUCTURAL) SHALL BE MAINTAINED UNTIL VEGETATIVE COVER IS ESTABLISHED AT A SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE.
3. ALL FINISHED GRADES (AREAS NOT TO BE DISTURBED BY FUTURE IMPROVEMENT) IN EXCESS OF 20% SLOPES (5:1) SHALL BE MULCHED AND TACKED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET WHEN SEEDED.
4. STORM WATER PIPES, OUTLETS AND CHANNELS SHALL BE PROTECTED BY SILT BARRIERS AND KEPT FREE OF WASTE AND SILT AT ALL TIMES PRIOR TO FINAL SURFACE STABILIZATION AND/OR PAVING.
5. SILTATION FENCES SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND FOR THE AMOUNT OF SEDIMENT WHICH HAS ACCUMULATED. REMOVAL OF SEDIMENT WILL BE REQUIRED WHEN IT REACHES 1/2 THE HEIGHT OF THE SILTATION FENCE.
6. SITE SHALL SHEET DRAIN DURING GRADING OPERATIONS SIMILAR TO EXISTING CONDITIONS. NO ADDITIONAL TEMPORARY DRAINAGE WAYS WILL BE NECESSARY TO ADEQUATELY HANDLE DRAINAGE DURING GRADING OPERATIONS.

FILE #2002.04

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NOTE
Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction.

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MEGAN CROSSING
MISSOURI STATE HIGHWAY K
O'FALLON, MISSOURI

Prepared For: G. J. GREWE, INC.
9109 WATSON ROAD
ST. LOUIS, MO
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REVISIONS
NO. | DATE

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.

PICKETT RAY & SILVER, INC
STATE OF MISSOURI
ERIC SCOTT KIRCHNER
E-2001004618
PROFESSIONAL ENGINEER
12/13/2004

DRAWN	DATE
D.STOSZ	04-27-04
CHECKED	DATE
D.BYRD	04-27-04

PROJECT # 03043.GJGR.00C
TASK # 1 FIELD BOOK

MEGAN CROSSING
INTERIM GRADING AND SILTATION PLAN
SHEET 3 OF 4

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