

**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 improvements.
- All filled grades shall be compacted to 90% of maximum density as determined by the Modified AASHTO Test Method T-99, 15.5% to 15.7%.
- No slope shall be steeper than 3:1 or as called for in the soils report for the project. All slopes shall be seeded or seeded and mulched.
- No graded area to be allowed to remain bare over winter without being seeded and/or mulched.

**TYPICAL SECTION - RELOCATED CHANNEL**

OFF-SITE A-1 ZONING 38.144' x 24' - 1/4" x 1/4"  
 C-3 ZONING 38.144' x 24' - 1/4" x 1/4"  
 T-2 ZONING 38.144' x 24' - 1/4" x 1/4"  
 ON-SITE T-2 ZONING 38.144' x 24' - 1/4" x 1/4"  
 DEMAND Q. 1.281 cfs  
 10' FLAT BOTTOM DITCH W/ 3:1 SIDE SLOPES  
 Q<sub>max</sub> = 125 (1.1) (1.9) (5.4)  
 V = 1.47  
 NP = 2.0 x 10<sup>-5</sup> x 1.25 = 2.5 x 10<sup>-5</sup>  
 K<sub>s</sub> = 1.0  
 S = 0.014  
 39.0 x 1.0 x 1.0  
 Q = 1.47  
 Q<sub>max</sub> = 37.15 (4.7) (1.84) (0.108) = 298.0 cfs  
 V = 3.9  
 V<sub>1</sub> = 1.0 x 1.0 x 1.0  
 V<sub>2</sub> = 1.0 x 1.0 x 1.0



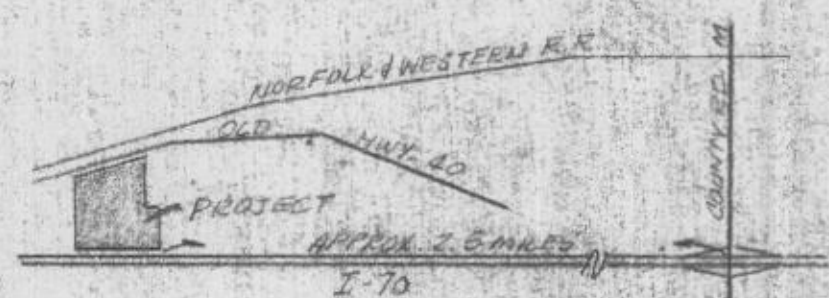
**APPROVED**  
 6-8-85  
 9-6-85

RECEIVED SEP 03 1985

PREPARED FOR  
**FRED WEBER, INC.**  
 7923 ALABAMA  
 ST. LOUIS, MO. 63111  
 PHONE 638-1170

*Second Submittal*  
 Revised 8/26/85

**BAX ENGINEERING CO., INC.**  
 830 Madison Street  
 St. Charles, MO. 63301  
 946-6588  
 Date: 7-31-85 Order No.: 64-1679



VICINITY MAP

O'FALLON QUARRY PROPERTY  
 PREPARED FOR  
 FRED WEBER, INC.  
 BY  
**SUBSOX**  
 520 SPIRIT OF ST. LOUIS BLVD.  
 SPIRIT OF ST. LOUIS AIRPORT, CHESTERFIELD, MO. 63017  
 DATE OF PHOTOGRAPHY: 6-26-85  
 SCALE: 1" = 30'  
 4' CONTOUR INTERVAL  
 NOTE: DASHED CONTOURS ARE APPROXIMATE.  
 SDX NO. 850008

51°00'00"W  
 5487  
 MIF FRED WEBER, INC.