



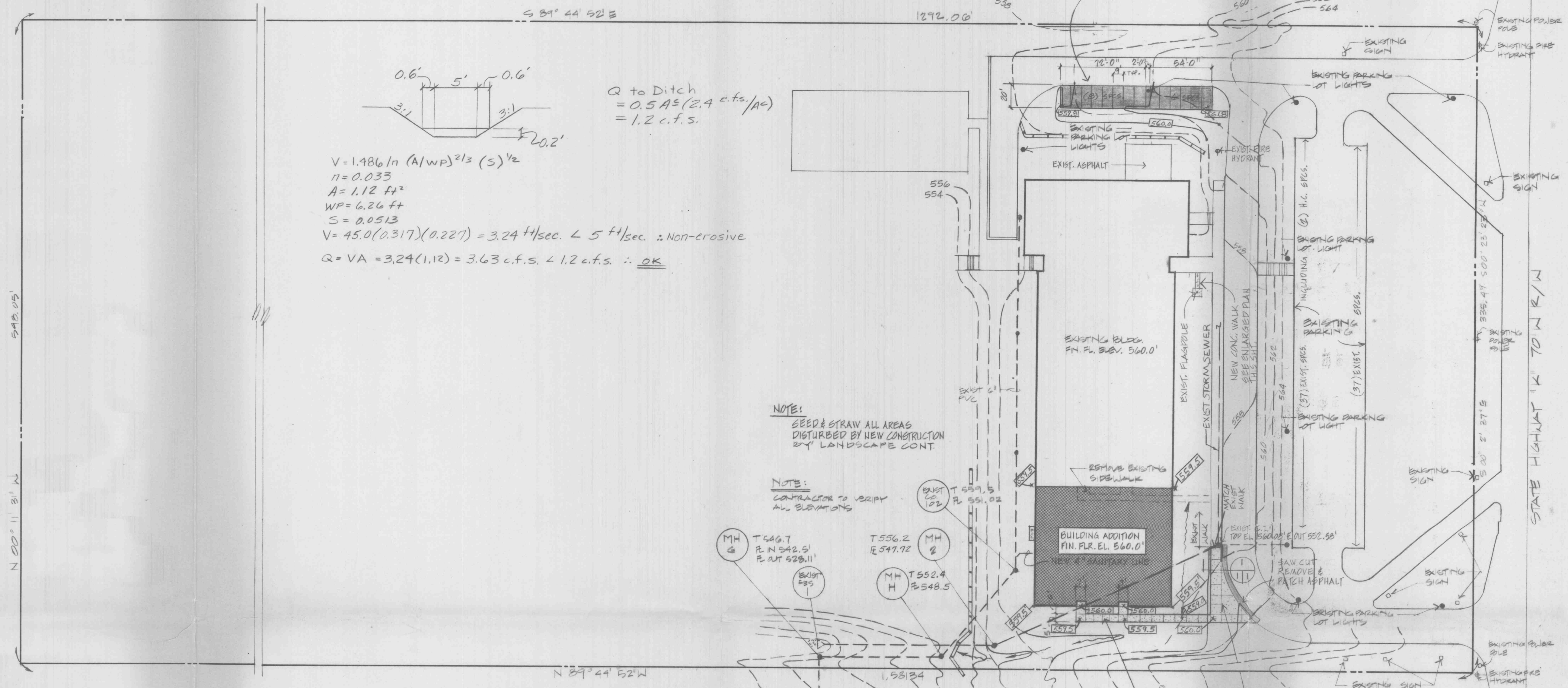
the DMA corporation
 Design & Management Associates
 St. Charles, Mo. 63301
 202 Transit Street
 314-946-2060

BUILDING ADDITION & RENOVATION
 FOR
 DARRENE ELEMENTARY SCHOOL
 FT. ZUMWALT SCHOOL DISTRICT
 MISSOURI
 O'FALLON

REV	REMARKS	DATE

DATE: 4-4-88
 DRW: J.L.P.
 CKD: E.L.L.
 JOB NO.: 712224
 SHEET NO.:
 A1
 OF 6

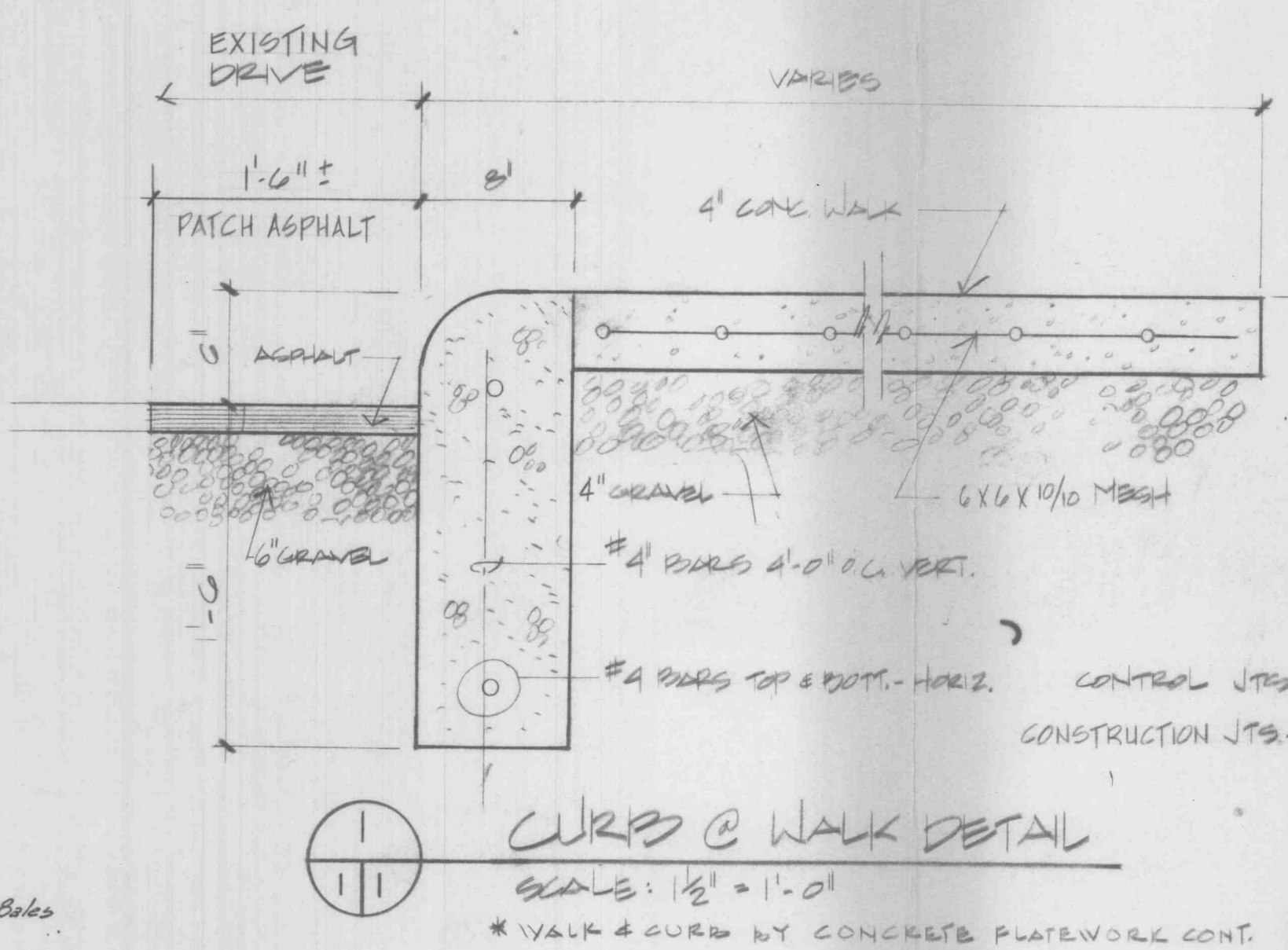
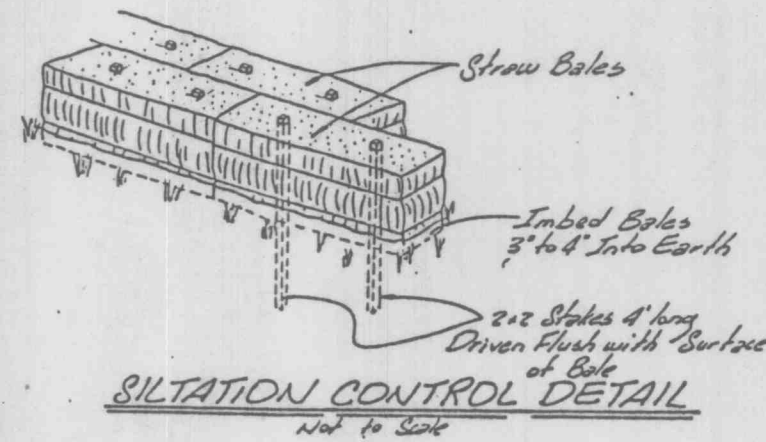
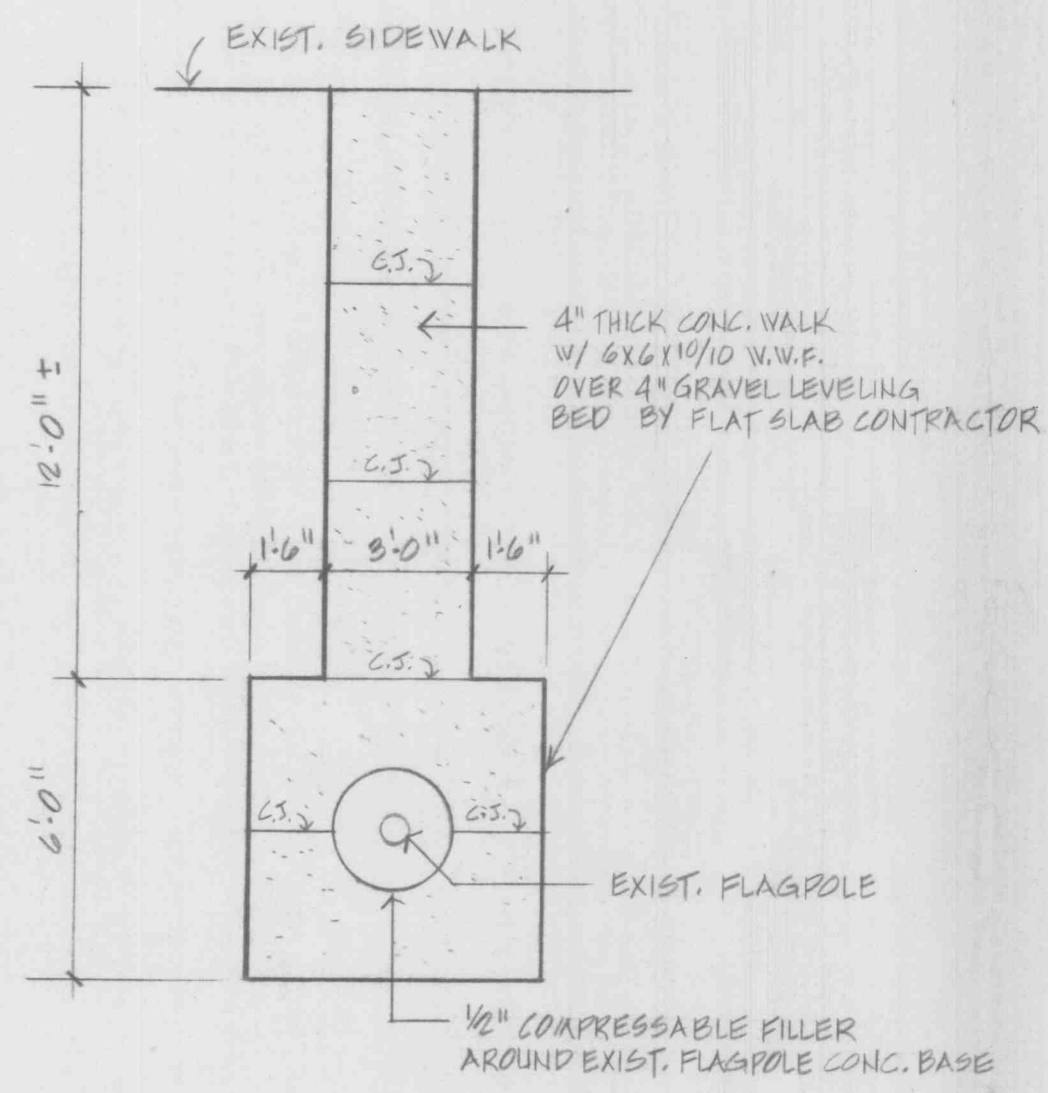
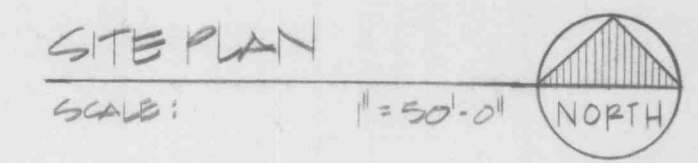
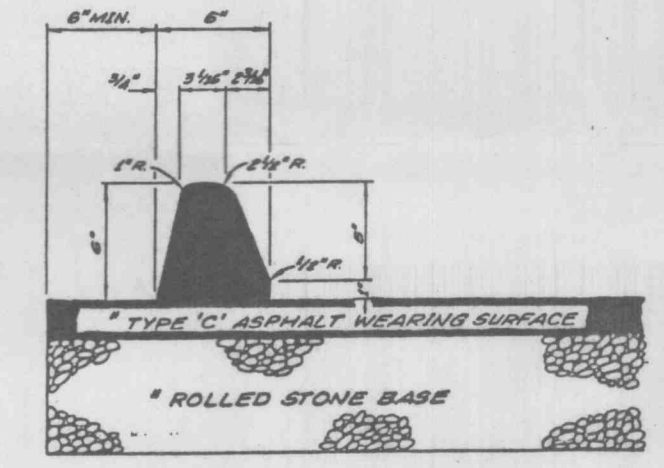
SHADED AREA INDICATES NEW PARKING OF
 6" COMPACTED STONE BASE OVER SOIL STABILIZATION
 FABRIC W/ 2" TYPE 'C' WEARING SURFACE W/ 6"
 VERT. ASPHALT CURB.



$Q \text{ to Ditch} = 0.5 A S^2 (2.4 \text{ c.f.s./A.C.}) = 1.2 \text{ c.f.s.}$
 $V = 1.486/n (A/wp)^{2/3} (S)^{1/2}$
 $n = 0.033$
 $A = 1.12 \text{ ft}^2$
 $WP = 6.26 \text{ ft}$
 $S = 0.0513$
 $V = 45.0(0.0317)(0.227) = 3.24 \text{ ft/sec.} < 5 \text{ ft/sec.} \therefore \text{Non-erosive}$
 $Q = VA = 3.24(1.12) = 3.63 \text{ c.f.s.} < 1.2 \text{ c.f.s.} \therefore \text{OK}$

NOTE:
 SEED & STRAW ALL AREAS
 DISTURBED BY NEW CONSTRUCTION
 BY LANDSCAPE CONT.

NOTE:
 CONTRACTOR TO VERIFY
 ALL ELEVATIONS



APPROVED
 5-31-88 J. Barron
 George Butler Assoc.

DESCRIPTION

A tract of land being in the Northeastern corner of property described in a deed to Mary E. Dickherber, recorded in Book 457, Page 120, of the St. Charles County Recorder's Office and being in Fractional Section 5, Township 46 North, Range 3 East, St. Charles County, Missouri; said tract being more particularly described as follows:

BEGINNING at an iron pipe in the Northern line of said Dickherber property distant North 89° 52' 10" East, 1051.92 feet from an old iron pipe at the Northwestern corner of said Dickherber property and the center of said Section 5; thence North 89° 52' 10" East, 292.31 feet along the Northern line of said Dickherber property to an iron pipe at an angle point therein; thence South 89° 44' 52" East, 1292.07 feet along the Northern line of said Dickherber property, to the Western line of State Highway "K", as described in a deed to the State of Missouri, recorded in Book 190, Page 641 of the St. Charles County Recorder's Office; thence South 00° 23' 23" West, 214.55 feet along the Western line of said State Highway "K", to an iron pipe at an angle point therein; thence South 00° 02' 37" East, 335.44 feet along the Western line of said State Highway "K", to an iron pipe; thence North 89° 44' 52" West, 1581.34 feet to an iron pipe; thence North 00° 11' 31" West, 548.05 feet to the Northern line of said Dickherber property, and the point of beginning and containing 19.972 Acres.

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 construction and materials used shall conform to current City of O'Fallon Standards.
- Topographic Information per plans provided by DMA Corporation
- Siltation control shall be implemented as soon as possible.

BAX ENGINEERING CO., INC.
 221 Point West Blvd. St. Charles, Missouri 63301
 946-6588 724-3330
 Date: May 16, 1988 Order No.: 88-2898

