

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 and or construction of improvements.

**CAUTION! PETROLEUM PIPELINE**

The Contractor shall notify Williams Pipe Line Company to arrange a representative of Williams Pipe Line Company be present for and supervise any construction in the vicinity of the petroleum pipeline.

Williams Pipe Line Company Representative:

K. G. (Kenny) Graham  
R.R. 1  
Highway 63 South  
Columbia, MD 65201  
(314) 443-1619

**GRADING PLAN  
THE KNOLLS**

SEPT. 20, 1991 91-355

Rev. 1-30-92



SCALE-1"=50'



TEMPORARY DIVERSION DITCH  
Temporary diversion ditch (T.D.D.) shall be maintained and shall divert stormwater to a sediment basin until all improvements are in place.

$d = 246.95$   $r = 15625$   
 $s = 0.04$   $v = 5.92$   $\theta_{ps}$   
 $n = 0.04$   $d = 2.4$   $\theta$

SECTION F-F  
1"=10'

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<b>S/C ST. CHARLES ENGINEERING &amp; SURVEYING</b> 801 South Fifth Street, Suite 202 St. Charles, Missouri 63301 Off. 947-0607, Fax 947-2448	
Order No.	Date