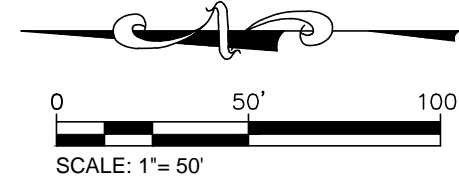
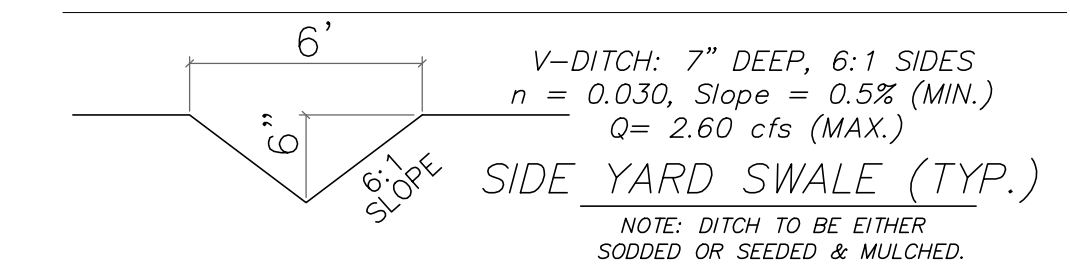
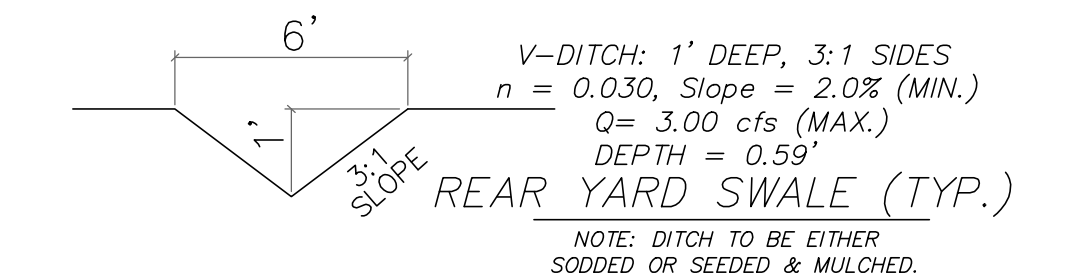
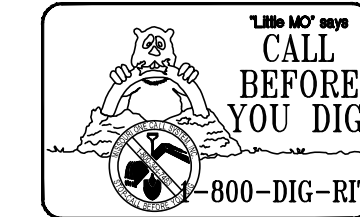


**CI 2.5 AND 3.1**  
 100 FLOW - 12.22 CFS  
 Includes flow from 2.6 and 3.2  
 HIGH POINT IN CURB - 516.70  
 LOW POINT IN STREET - 516.21  
 100 YR HIGH WATER - 517.09  
 DEPTH OF PONDING - 0.88'  
 MIN SILL ELEVATION - 518.2  
  
**AI 2.6**  
 100 FLOW - 3.00 CFS  
 BREAK POINT (ROW) - 516.59  
 100 YR HIGH WATER - 517.17  
 MIN SILL ELEVATION - 518.2  
  
**AI 3.2**  
 100 FLOW - 2.50 CFS  
 BREAK POINT (ROW) - 516.59  
 100 YR HIGH WATER - 517.13  
 MIN SILL ELEVATION - 518.2  
  
**AI 4.5**  
 100 FLOW - 3.84 CFS  
 BREAK POINT (ROW) - 515.39  
 100 YR HIGH WATER - 516.03  
 MIN SILL ELEVATION - 517.1  
  
**CI 5.2**  
 100 YR FLOW - 3.21 CFS  
 BREAK POINT (ROW) - 514.91  
 100 YR HIGH WATER - 515.50  
 MIN SILL ELEVATION - 516.5  
  
**AI 5.4**  
 100 FLOW - 2.96 CFS  
 BREAK POINT - 514.00  
 100 YR HIGH WATER - 514.58  
 MIN SILL ELEVATION - 515.6



**UTILITIES NOTE**

UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UTILITIES LOCATED IN THE FIELD PRIOR TO EXCAVATION OR CONSTRUCTION.



EMERGENCY RELIEF SWALE  
SEE SHEET 05 FOR EMERGENCY RELIEF CALCULATIONS

**LEGEND**

- CE-###.## CREST ELEVATION FOR EMERGENCY RELIEF SWALES
- ###.## PROPOSED GRADE BEFORE HOMES ARE BUILT
- ERS EMERGENCY RELIEF SWALE

**GRADING NOTES**

1. ALL GRADES SHALL BE WITHIN 0.2 FEET OF THOSE SHOWN ON THE GRADING PLAN.
2. NO SLOPE SHALL BE STEEPER THAN 3:1 EXCEPT WHERE INDICATED BY A GEOTECHNICAL REPORT APPROVED BY THE CITY OF O'FALLON. ALL SLOPES SHALL BE SODDED OR SEEDED AND MULCHED.
3. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASPHALT, CONCRETE, ROCK, BUILDING MATERIALS, AND ALL OTHER DEBRIS AT AN APPROVED LANDFILL IN ACCORDANCE WITH ALL RULES AND REGULATIONS, INCLUDING MISSOURI DEPARTMENT OF NATURAL RESOURCES (MDNR).
4. THE CONTRACTOR SHALL RESTORE OFFSITE CONSTRUCTION AREAS TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. EARTH SUBGRADE FOR PAVED AREAS MUST BE COMPACTED TO 90% OF MAXIMUM DRY DENSITY AS DETERMINED BY A "MODIFIED PROCTOR TEST," (ASTM D-1557), AND MUST BE INSPECTED AND APPROVED BY A CITY REPRESENTATIVE, BEFORE PAVING MAY COMMENCE.
6. 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.

**SITE BENCH MARK**

CROSS A: CL-CL Cross at the intersection of Wabash Woods (50'W) Way and Wynchat (50'W) Drive  
Elev. 519.65

**ESTIMATED EARTHWORK QUANTITIES**

CUT:	±23,600 CUBIC YARD
FILL:	±24,700 CUBIC YARD
ADJUSTED FILL(15% SHRINKAGE FACTOR):	±28,400 CUBIC YARD
NET:	±4,800 CUBIC YARD (SHORT)

THE ENGINEER HAS CALCULATED THE ABOVE QUANTITIES OF EARTHWORK TO BE REGARDED AS AN ESTIMATE OF THE BULK MOVEMENT OR REDISTRIBUTION OF SOILS ON THIS PROJECT. AS AN ESTIMATE, THESE QUANTITIES ARE INTENDED FOR GENERAL USE, AND THE ENGINEER ASSUMES NO LIABILITY FOR COST OVERRUNS DUE TO EXCESS EXCAVATED MATERIALS OR SHORTAGES OF FILL.

THE QUANTITIES ESTIMATED FOR EACH OF THE IMPROVEMENT ITEMS LISTED AS PROPOSED ON THE SITE ENGINEERING PLANS PREPARED BY ABOVE ARE BASED UPON THE HORIZONTAL AND VERTICAL LOCATION OF PICKETT, RAY & SILVER, INC.

THE ENGINEER'S EARTHWORK ESTIMATE DOES NOT INCLUDE ANY OF THE FOLLOWING ITEMS REQUIRING EARTHWORK THAT MAY BE NECESSARY FOR COMPLETION OF THE PROJECT: MISCELLANEOUS UNDERGROUND CONDUITS, INCLUDING SEWER LINES AND WATER MAINS, STANDARD MANHOLES; PROCESS OR TRANSFER PIPING; ELECTRICAL OR TELEPHONE CONDUITS; BASES FOR LIGHT STANDARDS; BUILDING FOOTINGS AND FOUNDATIONS, ETC.

THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACTUAL SIZE OF THE FIELD EXCAVATIONS MADE FOR THE INSTALLATION OF UNDERGROUND STRUCTURES, AND AS SUCH, THE ACTUAL QUANTITIES OF EARTHWORK FROM SUCH ITEMS MAY VARY FROM THE ESTIMATE SHOWN ABOVE.

THE ABOVE QUANTITIES ARE AN ESTIMATE AND SHOULD BE CONSIDERED AS SUCH. IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO PREPARE A QUANTITY TAKEOFF AND NOTE ANY DISCREPANCIES TO THE ENGINEER.

**PROJECT TITLE**  
 IMPROVEMENT PLANS  
**WABASH WOODS**  
 PHASE TWO  
 GRADING PLANS  
 PFS No. 15014-KAPD-00R  
 TASK 002

**PICKETT, RAY & SILVER INC**  
 CIVIL ENGINEERING, LAND SURVEYING,  
 AND NATURAL RESOURCES SERVICES  
 St. Peters, Missouri 63376  
 22 Richmond Center Court  
 St. Peters, MO 63376  
 Phone (636) 397-1211 Fax (636) 397-1104  
 www.prsinc.com 1-800-708-3918

**ENGINEER'S AUTHENTICATION**  
 THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING LIABILITY ON THIS PROJECT IS LIMITED TO THE SET OF PLANS AUTHENTICATED BY THE SEAL, SIGNATURE, AND DATE HEREON 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. MO**  
 LICENSE #000036  
  
 KARL A. SCHOENIKE, P.E.  
 PROFESSIONAL ENGINEER LICENSE 2003015039

**Developer / Owner Information**  
**LK PROPERTIES II, LLLP**  
 PO Box 340  
 St. Peters, Missouri 63376

**P+Z No.**  
 20100.04  
**City No.** 15-639-SP

**Page No.**  
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