

**GRADING NOTES:**

1. NOTIFY CITY OF O'FALLON BUILDING DEPARTMENT AND BUILDING DEPARTMENT 48 HOURS PRIOR TO THE STARTING OF GRADING AND/OR CONSTRUCTION.
2. ALL FILLS PLACED UNDER PROPOSED STORM AND SANITARY SEWER, PROPOSED ROADS, AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM 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 FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. ENSURE THE MOISTURE CONTENT OF THE SOIL IN FILL AREAS IS TO CORRESPOND TO THE COMPACTION EFFORT AS DEFINED BY THE STANDARD OR MODIFIED PROCTOR TEST. OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED USING THE SAME TEST THAT WAS USED FOR COMPACTION. SOIL COMPACTION CURVES SHALL BE SUBMITTED TO THE CITY OF O'FALLON PRIOR TO THE PLACEMENT OF FILL. PROOF ROLLING MAY BE REQUIRED TO VERIFY SOIL STABILITY AT THE DISCRETION OF THE CITY OF O'FALLON.
3. 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.
4. SEDIMENT AND EROSION CONTROL SHALL NOT BE LIMITED TO THE MEASURES SHOWN ON THE PLANS. THE CONTRACTOR, WITH THE APPROVAL OF THE CITY INSPECTOR, SHALL UTILIZE BEST MANAGEMENT PRACTICES TO PREVENT SEDIMENT FROM ENTERING ADJACENT PROPERTIES, ROADWAYS, STORM SEWERS, AND DRAINAGE WAYS.
5. REFER TO DETAIL SHEETS FOR ADDITIONAL NOTES AND INFORMATION ON GRADING AND SILTATION CONTROL.
6. THE STREETS SURROUNDING THIS DEVELOPMENT AND ANY STREET USED FOR CONSTRUCTION ACCESS THERETO SHALL BE CLEANED THROUGHOUT THE DAY.
7. ALL TRASH AND DEBRIS ON-SITE, EITHER EXISTING OR FROM CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF SITE.
8. DEBRIS AND FOUNDATION MATERIAL FROM ANY ON-SITE BUILDING OR STRUCTURE THAT IS SCHEDULED TO BE RAZED FOR THIS DEVELOPMENT MUST BE PROPERLY DISPOSED OF OFF-SITE.
9. PROPOSED STORM SEWERS SHALL COMPLY WITH ALL CITY, COUNTY & STATE STORMWATER MANAGEMENT ORDINANCES.
10. ALL GRADES TO BE WITHIN 0.20± FEET OF PROPOSED CONTOURS AND ELEVATIONS SHOWN ON THE GRADING PLAN.
11. ALL NON-PAVED AREAS OF THIS DEVELOPMENT TO BE SEEDED OR COVERED WITH SOD.
12. ALL EXCAVATIONS, GRADING OR FILLING SHALL HAVE A FINISH GRADE NOT TO EXCEED A 3:1 SLOPE {3 HORIZONTAL TO 1 VERTICAL} (33%) UNLESS SPECIFICALLY APPROVED OTHERWISE.
13. ALL EROSION CONTROL SYSTEMS TO BE INSPECTED AND NECESSARY CORRECTIONS TO BE MADE WITHIN 24 HOURS OF ANY RAINSTORM RESULTING IN ONE-HALF INCH OF RAIN OR MORE.
14. ANY GRADED AREA THAT ARE TO REMAIN BARE FOR MORE THAN TWO WEEKS ARE TO BE SEEDED AND MULCHED.
15. CONTRACTOR TO TURN IN GRADING APPLICATION AND PLANS AFTER SITE APPROVAL.
16. ALL PAVING TO BE IN ACCORDANCE WITH ST. CHARLES COUNTY STANDARDS AND SPECIFICATIONS EXCEPT AS MODIFIED BY THE CITY OF O'FALLON ORDINANCES.

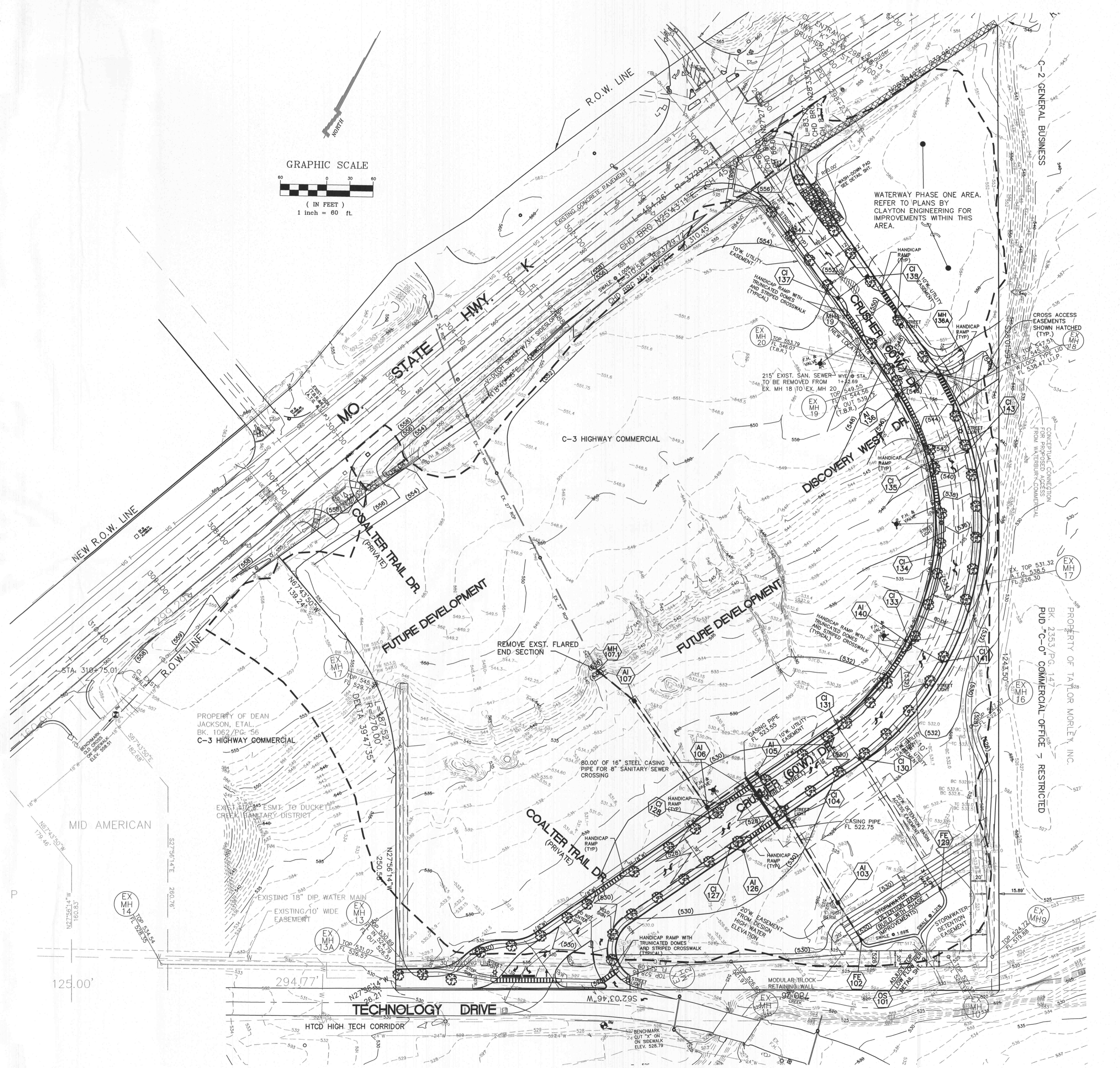
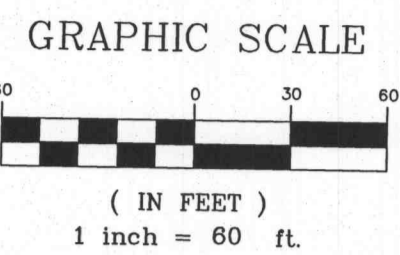
**LEGEND**

- |                             |   |
|-----------------------------|---|
| ● Sanitary Sewer (Proposed) | C.P. Concrete Pipe                        |
| ○ Sanitary Sewer (Existing) | R.C.P. Reinforced Concrete Pipe           |
| ○ Storm Sewer (Proposed)    | C.M.P. Corrugated Metal Pipe              |
| ○ Storm Sewer (Existing)    | P.V.C. Polyvinyl Chloride Pipe            |
| — 8" W Water Line and size  | C.I.P. Cast Iron Pipe                     |
| — Tee and Valve             | V.C.P. Vitrified Clay Pipe                |
| — Fire Hydrant              | E.P. End Pipe                             |
| — Cap                       | F.E. Flared End Section                   |
| — Existing Fence Line       | C.O. Clean Out                            |
| — Existing Tree Line        | V.T. Vent Trap                            |
| — Existing Contour          | M.H. Manhole                              |
| — Lot or Building Number    | C.I. Curb Inlet                           |
| — Street Sign               | D.C.I. Double Curb Inlet                  |
| — Power Pole                | A.I. Area Inlet                           |
| — Guy Wire                  | D.A.I. Double Area Inlet                  |
| — Light Standard            | G.I. Gate Inlet                           |
| — Gas Line                  | C.C. Concrete Collar                      |
| — Electric Line             | U.I.P. Use In Place                       |
| — Telephone Line            | T.B.R. To Be Removed & Relocated/Replaced |
| — Gas Valve                 | S.I.R. Set Iron Rod with Cap              |
| — Gas Meter                 | C.M. Concrete Monument                    |
| — Water Valve               | O.I.P. Old Iron Pipe                      |
| — Water Meter               | O.S.T. Old Stone                          |
| — Found Old Iron Pipe       | O.I.R. Old Iron Rod                       |

Missouri One Call System, Inc.  
 Call Before You Dig!  
 1-800-DIG-RITE  
 (1-800-344-7483)

\* The underground utilities shown herein were plotted from available information and do not necessarily reflect the actual existence, nonexistence, size, type, number or location of these or other utilities. The General Contractor and/or owner shall be responsible for verifying the actual location of all underground utilities, shown or not shown, and said utilities shall be located in the field prior to any grading, excavation or construction of any improvements. These provisions shall in no way absolve any part from complying with the Underground Facility Safety & Damage Prevention Act, Chapter 310, R.S.Mo.

**NOTE:**  
 FOR ALL WORK WITHIN THE MISSOURI STATE RIGHT-OF-WAY FOR HIGHWAY K REFER TO KINGSMILL MODOT ENTRANCE PLANS



**Disclaimer**  
 ENGINEERS CERTIFICATION:  
 The following applies to ALL sheets and documents involved in the preparation of this plan and documents for this project. The Engineer's liability is limited to the set of plans prepared by this office for this project. The Engineer does not accept any liability for any errors or omissions on any other set of plans prepared by other offices or individuals. The Engineer's liability is limited to the set of plans prepared by this office for this project. The Engineer does not accept any liability for any errors or omissions on any other set of plans prepared by other offices or individuals.

REV.	PER CITY COMMENTS	REV.	PER CITY COMMENTS
2	7/26/06	1	6/23/06
1			

**KINGSMILL CROSSING**  
**PHASE 1 GRADING PLAN**  
 Zavadinos Professional Services, Inc.  
 ENGINEERING LAND SURVEYING SITE PLANNING  
 1713 EDISON AVE. SUITE 201  
 CHESTERFIELD, MO 63005  
 636.936.8888

**KINGSMILL TRANSP.**  
 DEVELOPMENT DISTRICT  
 14151 CLAYTON ROAD  
 CHESTERFIELD, MO 63017  
 636-394-3577

CITY/COUNTY JOB NO:	988404	DATE	APRIL 6, 2006
MSD P- BASEMAP		Original Issue Date	4/21/06
Drawn By	JBC	ZPS PM	JRE
Project No.		Sheet	