



ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

**Notes**

1. The Developer must supply City construction inspectors with soil reports prior to or during site soil testing.
2. The Contractor shall assume complete responsibility for controlling all siltation and erosion of the project area. The Contractor shall use whatever means necessary to control erosion and siltation including, but not limited to, staked straw bales and/or siltation fabric fences (possible methods of control are detailed in the plan). Control shall commence with grading and be maintained throughout the project until acceptance of the work by the Owner and/or the City of O'Fallon and/or MoDOT. The Contractor's responsibilities include all design and implementation as required to prevent erosion and the depositing of silt. The Owner and/or the City of O'Fallon and/or MoDOT may at their option direct the Contractor in his methods as deemed fit to protect property and improvements. Any depositing of silt or mud on new or existing pavement shall be removed immediately. Any depositing of silts or mud in new or existing storm sewers or swales shall be removed after each rain and affected areas cleaned to the satisfaction of the Owner and/or the City of O'Fallon and/or MoDOT.
3. All fill 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.
4. 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. Note that the moisture content of the soil in fill areas is to correspond to the compactive 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.
5. No slopes shall be steeper than 3 (horizontal) to 1 (vertical).
6. All graded areas that are to remain bare for over 2 weeks are seeded and mulched. (DNR requirement) Also, when deemed necessary, positive steps should be exercised to prevent this soil from damaging adjacent property and silting up all storm drainage systems whether on or off site.
7. All erosion control systems are inspected and necessary corrections made within 24 hours of any rainstorm resulting in one-half inch of rain or more.
8. The drainage swale locations are shown see typical swale section.
9. Provide erosion control for swales with velocities 2 to 5 cfs. It is suggested that for velocities >3cfs sodded swales be constructed.

**PARKING SPACE REQUIREMENTS:**  
 1 SPACE FOR EVERY 250 S.F. OF FLOOR AREA PLUS 1 SPACE PER 2 GAS PUMPS  
 TOTAL FLOOR AREA: 4,500 S.F.  
 (4,500 / 250) = 18 SPACES REQUIRED  
 1 SPACE PER 2 GAS PUMPS = 10 SPACES REQUIRED  
 TOTAL SPACES REQUIRED = 28  
 HANDICAP SPACES REQUIRED = 2  
 NO LOADING SPACES REQUIRED  
 37 SPACES PROVIDED INCLUDING 2 HANDICAP SPACES  
 STACKING SPACES REQUIRED: 10 MINIMUM  
 STACKING SPACES PROVIDED: 9 (PER VARIANCE CASE #BA-V-05-07) GRANTED BY BOARD OF ADJUSTMENT ON FEB 9, 2005.  
 BICYCLE PARKING SHALL BE PROVIDED AT A RATE OF 1 RACK SPACE PER 15 REQUIRED AUTOMOBILE PARKING SPACES, WITH A MINIMUM OF 4 RACK SPACES PER INDIVIDUAL BUILDING.

Call Before you DIG  
 TOLL FREE  
**1-800-344-7483**  
 MISSOURI ONE-CALL SYSTEM INC.  
**MODOT (314) 340-4100**

Underground facilities, structures and utilities have been plotted from available surveys, records and information and, therefore, do not necessarily reflect the actual existence, nonexistence, size, type, number of, location or depth of these facilities, structures and utilities.

The Contractor shall be responsible for verifying the actual location of all underground facilities, structures and utilities, either shown or not shown on these plans. The underground facilities, structures and utilities shall be located in the field prior to any grading, excavation or construction of improvements. Should the actual location, size or depth of any underground facilities, structures or utilities differ from those indicated on these plans, the Contractor shall immediately notify Clayton Engineering prior to proceeding with the installation of any proposed improvements in the area where the difference exists. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.

The signed and sealed original of this drawing is on file at the offices of the Clayton Engineering Company, Inc. The signed and sealed original is the official document and shall take precedence over any digital version.

|                |   |
|----------------|---|
| 1 06-16-05 SLH | REVISED PER CITY OF O'FALLON & MODOT COMMENTS |
| 1 05-03-05 SLH | REVISED PER CITY OF O'FALLON COMMENTS         |
| REVISIONS      |   |

**SITE DIMENSION PLAN  
PHILLIPS 66**

879 BRYAN ROAD O'FALLON, MO. 63366  
 Prepared for: **U-GAS STL, INC.**  
 895 BOLGER CT.  
 FENTON, MO 63026  
 314-343-9770

Copyright 2005 Clayton Engineering Co. All Rights Reserved

DAVID A. COLVIN  
 LICENSED PROFESSIONAL ENGINEER  
 No. 19278  
 State of Missouri

the clayton engineering company, inc.  
 ENGINEERS • SURVEYORS • PLANNERS  
 11920 WESTLINE INDUSTRIAL DRIVE  
 ST. LOUIS, MISSOURI 63146  
 (314) 692-8888 FAX: (314) 692-8838  
 clayton-engineering.com

|                |          |
|----------------|----------|
| Designed       | SWQ      |
| Drawn          | SLH      |
| Checked        | MJV      |
| Date           | 02-03-05 |
| Project Number | 04221    |
| Sheet Number   | 2 of 13  |

SEE SHEET 4 FOR LANE WIDENING PLAN

SEE SHEET 4 FOR LANE WIDENING PLAN

