

STANDARD SYMBOLS & ABBREVIATIONS	
TREE OR BUSH	O
LIGHT POLE	+
SANITARY SEWER & MANHOLE	○—○
STORM SEWER & INLET	—○—○
MAILBOX	□
ELECTRIC LINE	—E—
GAS LINE	—G—
WATER LINE	—W—
TELEPHONE LINE	—T—
CABLE TV LINE	—CATV—
OVERHEAD WIRE	—OHW—
UTILITY POLE	—U—
UTILITY POLE W/ DOWN GUY	—U—
FIRE HYDRANT	X
WATER VALVE	W
WATER METER	WM
GAS VALVE	G
ROAD SIGN	—R—
TELEPHONE PEDESTAL	TEL. PED.
FENCE	—F—



PRINCIPLES & STANDARDS:

1. All excavations, grading, or filling shall have a finished grade not to exceed a 3% slope (33%). Steeper grades may be approved by the designated official if the excavation is through rock or the excavation or the fill is adequately protected (a designed head wall or toe wall may be required). Retaining walls that exceed a height of four (4) feet shall require the construction of safety guards as determined in the appropriate section(s) of the adopted BOCA Codes and must be approved by the Building Department. Permanent safety guards will be constructed in accordance with the appropriate section(s) of the adopted BOCA Codes.

2. Sediment and erosion control plans for sites that exceed 20,000 square feet of grading shall provide for sediment or debris basins, silt traps or filters, staked straw bales or other approved measures to remove sediment from run-off waters. The design to be approved by the Designated Official. Temporary sediment control measures (structural) shall be maintained until vegetative cover is established at a sufficient density to provide erosion control on the site.

3. Where natural vegetation is removed during grading, vegetation shall be reestablished in such a density as to prevent erosion. Permanent type grasses shall be established as soon as possible during the next seeding period after grading has been completed.

4. When grading operations are completed or suspended for more than 30 days permanent grass must be established at sufficient density to provide erosion control on the site. Between permanent grass seeding periods, temporary cover shall be provided according to the City Engineer's recommendations. All finished grades (areas not to be disturbed by future improvement) in excess of 20% slopes (5%) shall be mulched and tacked at the rate of 100 pounds per 1,000 square feet when seeded.

5. Provisions shall be made to accommodate the increased runoff caused by changed soils and surface conditions during and after grading. Unvegetated open channels shall be designed so that gradient is constant in velocities of 2' (feet per second) or less. Open channels will have velocities more than 2' and less than 5' f/s shall be established with vegetation by use of commercial erosion control blankets or lined with rock rip rap or concrete or other suitable materials as approved by the City Engineer. Detention basins, diversions, or other appropriate structures shall be constructed to prevent velocities above 5' f/s.

6. The adjoining ground to development sites (lots) shall be provided with protection from accelerated and increased surface water, silt from erosion, and any other consequence of erosion. Run-off water from developed areas (parking lots, paved areas and buildings) above the area to be developed shall be directed to diversions, detention basins, concrete gutters and/or underground outlet systems. Sufficiently anchored straw bales may be temporarily substituted with the approval of the City Engineer.

7. Development along natural watercourses shall have residential lot lines, commercial or industrial improvements, parking areas or driveways set back a minimum of 25 feet from the top of the existing stream bank. The watercourse shall be maintained and made the responsibility of the subdivision trustees or in the case of a site plan by the property owner. Permanent vegetation should be left intact. Variances will include designed stream bank erosion control measures and shall be approved by the City Engineer. FEMA and U.S. Army Corps of Engineers guidelines shall be followed where applicable regarding site development areas designated as flood plains and wetlands.

8. All lots shall be seeded and mulched at the minimum rates defined in Appendix A or sodded before an occupancy permit shall be issued except that a temporary occupancy permit may be issued by the Building Department in cases of undue hardship because of unfavorable ground conditions.

VEGETATIVE ESTABLISHMENT For Urban Development Sites APPENDIX A

Seeding Rates:

Permanent:
Tall Fescue - 30 lbs./ac.
Smooth Brome - 20 lbs./ac.

Combined Fescue @ 15 lbs./ac. and Brome @ 10 lbs./ac.

Temporary:
Wheat or Rye - 150 lbs./ac. (3.5 lbs. per 1,000 square foot)
Oats - 120 lbs./ac. (2.75 lbs. per 1,000 square foot)

Seeding Periods:
Fescue or Brome - March 1 to June 1
August 1 to October 1
Wheat or Rye - March 15 to November 1
Oats - March 15 to September 15

Mulch Rates:
100 lbs. per 1,000 sq. feet (4,356 lbs. per acre)
Fertilizer Rates:
Nitrogen 30 lbs./ac.
Phosphate 30 lbs./ac.
Potassium 30 lbs./ac.
Lime 600 lbs./ac. ENM*

* ENM = effective neutralizing material as per State evaluation of quarried rock.

MISSOURI ONE CALL SYSTEM
STORM CALL BEFORE YOU DIG!
1-800-DIG-RITE
AND
MoDOT
(314) 340-4100

A SET OF CONSTRUCTION PLANS FOR ~A MEDICAL OFFICE~

A TRACT OF LAND BEING PART OF THE NORTHEAST QUARTER OF SECTION 31 TOWNSHIP 47 NORTH, RANGE 3 EAST OF THE FIFTH PRINCIPAL MERIDIAN ST. CHARLES COUNTY, MISSOURI



LANDSCAPE LEGEND

- QTY. (15) ~ INDICATES PROPOSED DECIDUOUS SHADE TREE (oaks, oaks, maples, birches, sweet gum) (minimum 2" caliper)
 - QTY. (13) ~ INDICATES PROPOSED EVERGREEN (minimum 2" caliper)
- LANDSCAPING AS DEPICTED IS SUBJECT TO FINAL DESIGN BY A QUALIFIED LANDSCAPE DESIGNER

DEVELOPMENT NOTES

- Area of Tract: 0.91 Acres (39,623 sq.ft.) Disturbed Area = 0.99 Acres
- Previous Zoning: R-1B (St. Charles County) Current Zoning: C-2 (City of O'Fallon)
- Proposed Use: Medical Office
- Area of Building: 7,990 sq.ft.
- The required height and building setbacks are as follows:
Minimum Front Yard: 25 feet Minimum Side Yard: 25 feet Minimum Rear Yard: 10' (20' Bufferyard if adjacent to residential) Maximum Height of Building: Not to exceed 50'

- Site is served by:
City of O'Fallon Sewer AmerenUE Company Laclede Gas Company Public Water District #2 Century Tel Telephone Company O'Fallon Fire Department

636-281-2858
1-800-55-AUSE
636-946-8937
636-281-2858
636-332-7393
636-272-3493

- According to the Flood Insurance Rate Map of St. Charles County, Incorporated Areas, (community panel number: 290315 0237 E dated August 2, 1996), this property is within zone X. Zone X is defined as an area outside the 500 year flood plain.

- Parking Required:
Total building area = 7,990 sq.ft.
1 space per 200 sq.ft. of floor area (Medical Office)
7,990 sq.ft./200 = 39.95 ~ 40 spaces required
40 spaces provided (including 2 handicapped spaces)

- Bicycle parking: 1 space per 15 parking spaces (4 minimum)
40 / 15 = 2.67
4 bicycle parking spaces provided

- Site Coverage Calculations:
Building = 7,990 sq.ft. = 20.29%
Pavement = 20,548.45 sq.ft. = 51.63%
Green Space = 11,101.15 sq.ft. = 27.88%

- All site lighting shown is for presentation only and exact locations will depend on a lighting layout by a qualified lighting consultant. Prior to Construction Site Plan approval, a photometric lighting plan in accordance with the City's Exterior Lighting Standards shall be submitted for review and approval.

- All new utilities shall be located underground.

- Landscape Required:
Interior Landscape Requirements: Not less than 6% of the interior of parking lot shall be landscaped.
40 spaces x 270sq.ft. = 10,800 x .06 = 648sq.ft. required, 1,059sq.ft. provided

- Street Tree Requirements:
1 tree every 40' of frontage = 397.78 / 40 = 9.95 ~ 10
10 Required
10 Provided

- Open Space Landscape Requirements:
11,101.15 S.F. / 3,000 S.F. = 3.70 ~ 4 Trees
Total Trees Required: 4
Total Trees Provided: 4

- Bufferyard Requirements:
2 plant units per 100 of property line required
1 plant unit = 10 points
1 tree = 10 points
2 x 30 / 10 = 6 trees per 100 required
208.71 / 100 x 6 = 12.52 ~ 13 trees required
13 Trees Provided

- Tree preservation: Where building permit is requested, a minimum of 15 trees per acre shall be retained. If these trees cannot be retained, they shall be replaced with trees of like or similar kind having a minimum diameter of 2" and a height of 8'.
43 trees removed
0.91ac. x 15 trees/ac = 13.65 ~ 14 trees required to be replaced
28 trees replaced

- No slope shall be steeper than 3:1.

- All handicap ramps, signs, symbols and striping to comply with A.D.A. Standards.

- Differential Stormwater Runoff Calculations:
Pre-Developed: (0.78 ac @ 3.30) + (0.13 ac @ 6.08) = 3.36 cfs
Post-Developed: (0.27 ac @ 3.30) + (0.64 ac @ 6.08) = 4.78 cfs

- The development of this site as proposed is increasing the runoff by 1.42 cfs. No detention is proposed for this site.

- A Contribution of \$1,000 per acre to the storm water fund will be required in lieu of detention being provided.

- All proposed fencing requires a separate permit through the planning division.

- All signage is reviewed and approved under a separate permit.

- All construction methods and practices to conform with OSHA Standards.

- This site shall be compliant with Phase II Illicit Storm water discharge guidelines per Ordinance 5082.

- Owner: Dr. AKGUN Inc.
2536 Town and Country Lane
St. Louis, MO 63131

- All HVAC and mechanical units on site shall be properly screened as required by City Code. Ground mounted HVAC and mechanical units shall be screened by fencing, vegetation, or some other means (approved by the Planning and Zoning Commissions) that has a minimum height that is at least as tall as the tallest unit being screened.

- All paving to be in accordance with St. Charles County standards and specifications except as modified by the City of O'Fallon ordinances.

- All sidewalks, curb ramps, ramp and accessible parking spaces shall be constructed in accordance with the current approved "American with Disabilities Act Accessibility Guidelines" (ADAAG) along with the required grades, construction materials, specifications and signage. If any changes occur between the above information and the plans, the ADAAG guidelines shall take precedence and the contractor prior to any construction shall notify the Project Engineer. Ensure at least one 8' wide handicap access aisle is provided and curb ramps do not project into handicap access aisles.

- Brick shall not be used in the construction of storm or sanitary sewer structures.

- The Contractor shall ensure all storm and sanitary sewer joint shall be gasketed O-Ring Type.

- Lighting values will be reviewed on the site prior to the final occupancy inspection. Corrections will need to be made if not in compliance with City standards.

- All proposed fencing requires a separate permit through the planning division.

- The location of and details for all siltation control devices (silt fences and sedimentation basins) must follow the "St. Charles County Soil and Water Conservation District Erosion and Sediment Control" guidelines.

- Site Benchmark: ELEV. 492.90 CHISELED CROSS ON CONCRETE CURB ALONG THE NORTH LINE OF MEXICO ROAD. SAID CROSS APPROXIMATELY 11.6' SOUTH OF SOUTHEAST CORNER OF SUBJECT PROPERTY.

- REFERENCE BENCHMARK (USGS): ELEV. 542.80 THE STATION IS A USGS BRASS VERTICAL MARK DISC STAMPED "F 149 1935" SET IN A 6 INCH SQUARE CONCRETE MONUMENT, PROJECTING ABOUT 2.5 INCHES ABOVE THE GROUND SURFACE. THE STATION IS LOCATED AT THE NORTH END OF THE RAILROAD TRACKS AT THE JUNCTION OF THE STREET OF THE ENTRANCE TO THE CITY OF O'FALLON MUNICIPAL CENTER. IT IS 46.5 FEET NORTH OF THE CENTER OF THE TRACKS, 2.4 FEET EAST OF A GUY POLE; 9.3 FEET EAST OF THE EAST EDGE OF SIDEWALK AND 5.7 FEET SOUTHEAST OF A PLASTIC BURIED CABLE MARKER AND PEDESTAL.

- Estimated Sanitary flow from this site: 1,300 G.P.D.

- Sanitary sewer to be reviewed and approved on a separate set of plans. Occupancy will not be granted until the sanitary system is operational.

- Rain garden in parking lot island to be planted with native plants as found at www.GrowNative.org.

- SITE PLAN 0908.01 APPROVED JUNE 5TH, 2008 ANNEXATION AND REZONING 0908 APPROVED JUNE 26TH, 2008

PREPARED FOR: DR. AKGUN INC
2536 TOWN AND COUNTRY LANE
ST. LOUIS, MISSOURI 63131



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REVISIONS

09-25-08	City Comments
10-21-08	City Comments
11-13-08	City Comments
11-20-08	PWS2 Comments
01-09-09	Client Comments
06-11-09	Genmore Entrance



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St. Charles, MO 63301
636-928-5552
Fax 636-928-1718

07-22-08
DATE
08-14-272
PROJECT NUMBER
1 SHEET OF 8
FILE NAME
KLW
DRAWN
SAS CLH
DESIGNED CHECKED
RECEIVED JUN 12 2009
Bldg. Inspector