

GENERAL NOTES:

building laterals.

ore allowed.

wise shown on the plans.

1. Gas, water and other underground utilities shall not conflict with the depth

2. The contractor shall prevent all storm, surface water, mud and construction

3. All sanitary sewer flowlines and tops built without elevations furnished by the

4. Easements shall be provided for all public sanitary sewers, storm sewers and

utilities on the record plat. See record plat (if required) for location and size of

5. All sanitary sewer manholes shall be waterproofed on the exterior in accordance

6. All PVC sanitary sewer pipe is to be SDR-35 or equal with "clean" 1/2 inch to

inches below the pipe to springline of pipe. Immediate back fill over pipe shall consist

7. All sanitary and storm sewer trench backfills shall be water jetted. Granular back

B. All pipes shall have positive drainage through manholes. No flat base structures

10. Storm sewers 18 inch diameter and smaller shall be A.S.T.M. C-14 unless other-

11. Storm sewers 21 inch diameter and larger shall be A.S.T.M. C-76, Class II mini-

13. All water lines shall be laid at least 10 feet harizontally from any sanitary sewer.

18 inches above the top of the drain or sewer. A full length of water pipe shall be

centered over the sewer line to be crossed so that the joints will be equally distant

maintained for that portion of the water line located within 10 feet, harizontally, of

constructed on the lots without meeting the building setbacks as required by the

14. All sanitary sewer laterals shall be a minimum of 6 inches in diameter.

GRADING QUANTITIES:

673 C.Y. EXCESS

EXISTING STRUCTURE.

CONSTRUCTION

1002 C.Y. CUT (INCLUDES SUBGRADE)

329 C.Y. FILL (INCLUDES 8% SHRINKAGE)

\* THE ABOVE GRADING QUANTITY IS APPROXIMATE ONLY, NOT FOR

BIDDING PURPOSES, CONTRACTOR SHALL VERIFY QUANTITIES PRIOR

TO CONSTRUCTION, CONTRACTOR TO PROVIDE HAUL ROUTE TO CITY ENGINEER PRIOR TO CONSTRUCTION, GRADING QUANTITY DOES

NOT INCLUDE ANY MATERIAL THAT MAY BE REQUIRED INSIDE THE

. CONTRACTOR TO PROVIDE CITY WITH HAUL ROUTE PRIOR TO

or manhole. Whenever water lines must cross sanitary sewers, laterals or storm drains

the water line shall be laid at such an elevation that the bottom of the water line is

from the sewer and as remote therefrom as possible. This vertical separation shall be

15. City approval of the construction site plans does not mean that any building can be

12. All storm sewer pipe in the right-of-way shall be reinforced concrete pipe

9. All sanitary and storm sewers shall meet all specifications and installation

of same size "clean" or "minus" stone from springline of pipe to 12 inches above the

1 inch granular stone bedding uniformly graded. This bedding shall extend from 4

Missouri Dept. Of Natural Resources specifications 10 CSR-8.120(7)(E).

top pipe. (Note: All P.V.C. Force Main shall be C-900, Class 200 P.V.C.)

debris from entering the existing sanitary sewer system.

engineer will be the responsibility of the sewer contractor.

fill will be used under pavement areas.

requirements of the local governing authority.

mum, unless otherwise shown on the plans.

(A.S.T.M. C-76, Class III minimum).

any sewer or drain it crosses.

or horizontal location of existing or proposed sanitary and storm sewers, including

### PRINCIPLES & STANDARDS:

- . All excavations, grading, or filling shall have a finished grade not to exceed a 3:1 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 identified 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 siltation control measures (structural) shall be maintained until vegetative cover is established at a sufficient density to provide erosion control on the site.
- 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 erasion 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 (5:1) 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 gradients result in velocities of 2 fps (feet per second) or less. Open channels with velocities more than 2 fps and less that 5 fps shall be established in permanent vegetation by use of commercial erosion control blankets or lined with rock rip rap or concrete or other sultable materials as approved by the City Engineer. Detention basins, diversions, or other appropriate structures shall be constructed to prevent velocities above 5 fps.
- 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 sites 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 lat 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 ank erasion 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./cc.

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

Wheat or Rye - 150 lbs./oc. (3.5 lbs. per 1,000 square foot) - 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 March 15 to November 1 Wheat or Rye -

 March 15 to September 15 Mulch Rates:

100 lbs. per 1,000 sq. feet (4,356 lbs. per ocre)

Fertilizer Rates: 30 lbs./cc. Nitrogen 30 lbs./ac. Phosphate 30 lbs./oc. Potassium

600 lbs./oc. ENM\* ENM = effective neutralizing material as per State evaluation of quarried rock.

# PLANNING & ZONING CONDITIONS:

- The petitioner shall abide by the comments set forth by MoDOT. Provide landscaping along the limits of the South property line as reviewed and approved on the Construction Site Plans.
- No storage of materials or products including pallets, temporary or otherwise, is permitted outside.
- Truck trailers or other mobile storage units shall not be used for storage, temporary or otherwise.
- All outside trash containers, HVAC units, electric, telephone and gas meters, satellite dishes, and rooftop mechanical apparatus shall be thoroughly acreened with materials and/or landscaping to conceal the visibility of such items from the view of rights-of-way and/or adjacent properties as reviewed and approved by the Planning
- Industrial warehouse type businesses shall be prohibited. Overlay the existing portion of Sanders Drive with asphalt where the existing asphalt
- is in disrepair. Remove the sidewalk along Sanders Drive. Office/Warehouse uses shall include only those uses which meet the following: - Are conducted entirely within an enclosed building (with the exception of
- loading/unloading operations); - Are not potentially associated with nulsances such as odor, noise, heat, vibration, and/or radiation which are detectable at the property line and;
- Do not pose a significant safety hazard (such as danger of explosion)



CALL BEFORE

# A SET OF CONSTRUCTION PLANS FOR 16 SANDERS DRIVE

A TRACT OF LAND IN FRACTIONAL SECTION 29, TOWNSHIP 47 NORTH, RANGE 3 EAST OF THE FIFTH PRINCIPAL MERIDIAN. ST. CHARLES COUNTY, MISSOURI

O'FALLON NOTES

discretion of The City of O'Fallon.

coordination and inspection.

of the City of O'Fallon.

improvements.

1. 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 or construction of the

2. All filled places under proposed storm and sanitary sewer, proposed roads, and/or

paved areas shall be compacted to 90% of the maximum density as determined by the

the standard Proctor Test AASHTO T-99. All tests shall be verified by a soils engineer

Modified AASHTO T-180 Compaction Test, or 95% of maximum density as determined by

concurrent with grading and backfilling operations. All filled places in proposed roads shall

be compacted from the bottom up. All test shall be verified by a soil engineer concurrent

with grading and backfilling operations. Ensure the moisture content of the soil in the fill

Proctor Test. Optimum moisture content shall be determined using the same test that was

areas is to correspond to the compactive effort as defined by the Standard or Modified

used for compaction. Soil compaction curves shall be submitted to The City of O'Fallon

5. All existing site improvements disturbed, damaged or destroyed shall be repaired

6. All construction and materials shall conform to the current construction standards

9. The Permittee shall assume complete responsibility for controlling all slitation and erasion of

siltation including, but not limited to, staked straw bales and/or siltation fabric fences (possible

opertations and be maintained throughout the project until acceptance of the work by the City

of O'Fallon and as necessary by MODOT. The Permittee's responsibilities include all design and

implementation as required to prevent erosion and the depositing of silt. The City of O'Fallon and

as required by MODOT may at their option direct the Permittee in his methods as deemed fit to

protect property and improvements. Any depositing of silts or mud on new or existing povement

Shall be removed immediately. Any deposition 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

10. Erosion control systems shall not be limited to what is shown on the plan. Whatever means

11. All building mounted lights shall be pointed downward and fully screened to prevent light from

13. The Developer must supply City Construction Inspectors with soil reports prior to or during

14. All paving to be in occordance with St. Charles County stiandards and specifications except

accordance with the current approved "Americans with Disabilities Act Accessibility Guidelines"

(ADAAG) along with the required grades, construction materials, specifications and signage. If

any conflict occurs between the above information and the plians, 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 ourb ramps do not project

17. The Contractor shall ensure all storm and sanitary sewer joint shall be gosketed O-Ring

15. All sidewalks, curb ramps, ramps and accessible parking spaces shall be constructed

16. Brick shall not be used in the construction of storm or significry sewer structures.

18. Lighting values will be reviewed on the site prior to the final occupancy inspection.

20. All sign locations and sizes must be approved separately through the Planning Division.

21. All sign post and backs and bracket arms shall be painted black using Carboline Rustband

Penetrating Segier SG and Carboline 133 HB paint ( or equivalent as approved by the City of

O'Fallon and MoDOT). Sign designating street names shall be on the apposite side of the street

23. All erasion control systems are inspected and corrected weekly, expecially within 48 hours of

any rainstorm resulting in one-half inch of rain or more. Any silt or debris leaving the site and

affecting public rights-of-ways or storm water drainage facilities shall be cleaned up within 24

24. All graded areas that are to remain bare for over 2 weeks shall be seeded and mulched per

25. Rip-rap shown at flared ends will be evaluated in the field after installation for effectiveness

25. Marking to be provided on storm sewer inlets. The City will allow the following markers and

adhesive procedures only as shown in the table below. "Peel and Stick" adhesive pads will not be

ACP International 3 7/8" Epoxy Crystal Cap No Dumping Drains To www.acpinternational.com

27. Any existing wells and/or springs which may exist on the property must be sealed in a

povement may be jetted, taking care to avoid damage to newly laid sewers. The jetting shall be

performed with a probe route on not greater than seven and one-half (7.5) fact centers with

than ten (10) feet will require multiple probes every seven and one-half (7.5) foot centers.

a.) Depth. Trench backfill less than eight (8) feet in depth shall be probed to a depth

extending to half the depth of the trench backfill, but not less than three (3) feet. Trench

backfill greater than eight (B) feet in depth shall be probed to half the depth of the trench

b.) Equipment. The jetting probe shall be metal pipe with an exterior diameter of one and

c.) Method, Jetting shall be performed from the low surface topographic point and proceed

flooding of each jetting probe shall be started slowly allowing slow saturation of the soil. Water

d.) Surface Bridging. The contractor shall identify the locations of the surface bridging (the

consolidate during the jetting process). The contractor shall breakdown the bridged areas using

rejetted. Compaction of the materials within the sunken/jetted area shall compacted such that

on appropriate method such as wheels or bucket of a backhoe. When the surface crust is

collapsed, the void shall be backfilled with the same material used as trench backfill and

toward the high point, and from the bottom of the trench backfill towards the surface. The

tendency for the upper backfill crust to arch over the trench rather than collapse and

the jetting probe centered over and parallel with the direction of the pipe. Trench widths greater

manner acceptable to the City of O'Fallon Construction inspection Department and following

28. Granular materials and earth materials associated with new construction beyond the

Waterways (SD-W-CC)

Stream (#SDS)

No Dumping Drains To www.dasmanufacturing.com

Corrections will need to be made if not in compliance with City standards.

19. All proposed fencing requires a separate permit through the Planning Division.

22. All proposed utilities and/or utility relocations shall be located underground.

and field modified if necessary to reduce erosion on and off-site.

Manufacturer Size Adhesive Style Message (Part #)

Missouri Department of Natural Resources standards and specifications.

Epoxy Standard

necessary shall be taken to prevent siltation and erosion from entering natural streams and

12. All ground and roof HVAC mechanical units to be screened from public view.

the project area. The Permittee shall use whatever means necessary to control erasion and

methods of control are detailed in the plan). Control shall commence with the clearing

7. Any permits, licenses, easements, or approvals required to work on public or

private properties or roadways are the responsibility of the developer.

3. No area shall be cleared without the permission of the Project Engineer.

4. The City of O'Follon shall be notified 48 hours prior to construction for

or replaced to closely match pre-construction conditions.

8. No slopes shall exceed 3(Horizontal): 1(Verticle).

City of O'Fallon and as required by MODOT.

adjacent roadways, properties and ditches.

as modified by the City of O'Fallon ordinances.

spilling over onto adjacent properties.

into handicap access aisles.

from traffic control signs.

DNR requirements.

Manufacturing, Inc.

backfill but not greater than eight (8) feet.

one-half (1.5) to two (2) inches.

hours after the end of the storm.

prior to the placement of fill. Proof rolling may be required to verify soil stability at the

# O'FALLON NOTES (CONTINUED)

29. Developer must supply City Construction inspectors with soil reports prior to or during site soil testing. The soil report will be required to contain the following information on soil test curves (Practor reports) for projects within the City:

. Maximum dry density

. Optimum moisture content Maximum and minimum allowable moisture content 4. Curve must be plotted to show density from a minimum of 90% Compaction and above as determined by the "Modified AASHTO T-180 Compaction Test" (A.S.T.M.-D-1157) or from a minimum of 95% as

determined by the "Standard Proctor Test ASSHTO T-99, Method C" (A.S.T.M.-D-698). Proctor type must be designated an document. 5. Curve must have at least 5 density points with moisture content and

sample locations flated on document. Specific gravity.

Natural maisture content.

8. Liquid limit. 9. Plastic limit

Be advised that if this information is not provided to the City's Construction Inspector the City will not allow grading or construction activities to proceed on any project site.

30. Trees, organic debris, rubble, foundations and other deleterious material shall be removed for the site and disposed in compliance with all applicable laws and regulations. Landfill tickets for such disposal shall be maintained on file by the developer. Burning on site shall be allowed only be permit from the local fire district. If a burn pit is proposed the location and modification shall be shown on the grading plan and documented by the soils engineer.

31. HDPE pipe is to be N-12WT or equal and to meet ASTM F1417 water tight field

32. If there are any physical changes to MoDot's right of way, such as grading or entrance modification, MoDOT requests the opportunity to review the plans, there may be improvements to the roadway required to support the proposed development within MoDOT's Access Management Guidelines.

33. Connections at all sanitary or storm structure to be made with A-lock joint or

34. All sanitary laterals and sanitary mains crossing under povement must have the proper rock backfill and to required compaction.

35. Any existing wells and/or springs which may exist on the property must be sealed in a manner acceptable to the City of O'Fallon Construction inspection Department and following Missouri Department of Natural Resources standards and specifications.

36. All installations and construction shall conform to the approved engineering drawings. However, if the developer chooses to make minor modifications in design and/or specifications during construction, he/she shall make such changes at his/her own risk, without any assurance that the City Engineer will approve the completed installation or construction. It shall be the responsibility of the developer to notify the City Engineer of any changes from the approved drawings. The developer may be required to correct the installed improvements so as to conform to the approved engineering drawings. The developer may request a latter from the Construction Inspection Division regarding any field changes approved by the City

37. Traffic control is to be per MoDOT or MUTCD whichever is more stringent.

### GRADING NOTES:

1. A Geotechnical Engineer shall be employed by the owner and be on site during grading operations. All soils tests shall be verified by the Geotechnical Engineer concurrent with the grading and back filling operations.

2. The grading contractor shall perform a complete grading and compaction

operation as shown on the plans, stated in these notes, or reasonably implied

there from, all in accordance with the plans and notes as interpreted by the Geotechnical Engineer. 3. The Contractor shall notify the Sails Engineer at least two days in advance of

the stort of the grading operation. 4. All greas shall be allowed to drain. All low points shall be provided with temporary

5. A sediment control plan that includes monitored and maintained sediment control basins and/or straw bales should be implemented as soon as possible. No graded area is to be allowed to remain bare over the winter without being seeded and

8. Any existing trash and debris currently on this property must be removed and

mulched. Care should be exercised to prevent soil from damaging adjacent property

7. Soft soil in the bottom and banks of any existing or former pand sites or tributories should be removed, spread out and permitted to dry sufficiently to be used as fill. None of this material should be placed in proposed right-of-way locations or on storm sewer locations.

and silting up existing downstream storm drainage system.

8. Site preparation includes the clearance of all stumps, trees, bushes, shrubs, and weeds; the grubbing and removal of roots and other surface obstructions from the site; and the demolition and removal of any man-made structures. The unsuitable material shall be properly disposed of off-site. Topsoil and grass in the fill areas shall be thoroughly disced prior to the placement of any fill. The Sails Engineer shall approve the discing operation.

9. Compaction equipment shall consist of tamping rollers, pneumatic-tired rollers, vibratory roller, or high speed impact type drum rollers acceptable to the Solls Engineer. The roller shall be designed so as to avoid the creation of a layered fill without proper blending of successive fill layers.

10. The Solis Engineer shall observe and test the placement of the fill to verify that specifications are met. A series of fill density tests will be determined on each lift of fill, Interim reports showing fill quality will be made to the Owner at regular

11. The Soils Engineer shall natify the Contractor of rejection of a lift of fill or partion thereof. The Contractor shall rework the rejected partion of fill and obtain notification from the Solls Engineer of its acceptance prior to the piacement of

12. All creas to receive fill shall be scarified to a depth of not less than 6 inches and then compacted in accordance with the specifications given below. Natural slopes steeper than 1 vertical to 5 harizontal to receive fill shall have harizontal benches, cut into the slopes before the placement of any fill. The width and height to be determined by the Soils Engineer. The fill shall be loosely placed in horizontal layers not exceeding 8 inches in thickness and compacted in accordance with the specifications given below. The Soils Engineer shall be responsible for determining the acceptability of soils placed. Any unacceptable soils placed shall be removed at the Contractor's expense.

13. The surface of the fill shall be finished so that it will not impound water. If at the end of a days work it would appear that there may be rain prior to the next working day, the surface shall be finished smooth. If the surface has been finished smooth for any reason, it shall be scarified before proceeding with the placement of succeeding lifts. Fill shall not be placed on frozen ground, nor shall filling operations continue when the temperature is such as to permit the layer under placement to freeze.

14. All siltation control devices shall be inspected by the contractor after any rain of 1/2" or more with any appreciable accumulation of mud to be removed and siltation measures repaired where necessary.

15. No slope shall be steeper than 3(Horizontal):1(Vertical). All slopes shall be sodded or seeded and mulched.

Any contaminated soil encountered during excavation shall be hauled and placed as directed by the owners environmental engineering representative.

LANDSCAPE LEGEND

\*\*LANDSCAPING AS DEPICTED IS SUBJECT TO FINAL\*\*

DESIGN BY A QUALIFIED LANDSCAPE DESIGNER

INDICATES PROPOSED DECIDUOUS HARDWOOD TREE

(ashes, oaks, maples, birches, sweet gum)

INDICATES PROPOSED ORNAMENTAL SHRUB

(spirecs, forsythia, barberries,privets, Illacs)

(min. initial size of 18" and max. of 3.5 feet)

Size: 3" min. caliper 1' above grade and 5' clear trunk

DEVELOPMENT NOTES: 1. Area of Lot: Disturbed Area: 0.60 Acres

4. Area of Buildings:

2. Current Zoning: Office/Warehouse Facility Proposed Use:

5. The required height and building setbacks are as follows: Minimum Front Yord: feet, 25 feet if corner lot Minimum Side Yard: 0 feet, 10 feet If abuts residential Minimum Rear Yord:

C-2 (O'Fallon)

8,223 Sq. Ft. (Total)

3,000 Sq. Ft. Office

5,223 Sq. Ft. Warehouse

Sanders Court LLC 5. Property Owner: 1031 Perugue Crossing Ct O'Fallon, Mo. 63366

7. This property is served by the following utilities Ameren UE Electric Company - 636-639-8311

Contact: David Hagan 636-332-3011 Loclede Gas Company - 636-946-8937 City of O'Folian Water - 636-281-2858 City of O'Folion Sewer - 636-281-2858 City For Traffic Locates - 836-379-5602 City Engineering Division - 636-379-5556 City Construction Inspection Division - 636-379-5596

8. According to the flood insurance rate map of the City Of O'Follon, Missouri (community panel number 290316 0237 e, dated August 2, 1996). This tract lies within zone X. A zone X is defined as not being a flood hazard area.

Parking Required: Office: 1 space per 300 sq.ft. floor space: 3,000 / 300 = 10 spaces required Warehouse: 1 space per employee Plus 1 space per 1,000 sq.ft. of floor area No additional employees will be required for the warehouse area 5,223 sq.ft. / 1,000 = 5.2 ~ 6 spaces required Parking spaces required: 16 Parking spaces provided: 32

Landscope requirements: Street Tree Requirements: 1 tree every 40' of frontage = 344.27 / 40 = 8.61 ~ 9 trees required Interior Landscaping Regulred: Not less that 6% of interior parking lot shall be landscaped. 32 spaces x 270 = 8,640 x 6% = 518.40sq.ft. landscaping required 884sq.ft. landscaping provided

 Site Coverage Calculation: Site = 36,676 sq.ft. Building = 8,223 sq.ft. = 23% Pavement = 19,878 sq.ft. = 54% Green Space = 8,575 sq.ft. = 23%

12. Proposed signage shall be approved under a separate permit process. Please contact Brandy Williams at 636-379-5542 if you have any further questions.

13. Differential Runoff Calculations: Existing Runoff = 0.57ac, (3.85) + 0.22ac, (1.87) = 2.61c.f.s. Proposed Runoff = 0.58ac. (3.85) + 0.28ac. (1.87) = 2.75c.f.sDifferential Runoff = 2.75 - 2.61 = 0.14c.f.s increase in Runoff No detention is proposed due to lot size being less than 1.0 Acre and differential runoff being less than 1.0c.f.s.

14. No curb have been proposed on this site. The storm water is to sheet flow into the No curb have been proposed on this site. The starth sate is to the Planning and Zoning Bax Engineering Company, inc.

Grass areas to provide water quality for the site as approved by the Planning and Zoning

Bax Engineering Company, inc.

Authority No. 000655

All Rights Reserved

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

16. Estimated sanitary flow from new addition is 750 GPD.

17. Cross access easement portion of Sanders Dr. will be improve by property owners of lots to the East when said lots develop or when road section needs improvments per any agreement between properly owners.

Rain Gardens to follow the "Landscape Guide for Stormwater Best Management Practice Design St. Louis Missouri" as published by the Metropolitan St. Louis Sewer District.

CITY OF O'FALLON COMMUNITY DEVELOPMENT DEPARTMENT CCEPTED FOR CONSTRUCTION PROÉESSIONAL ENGINEER'S SEAL INDICATES RESPONSIBILITY FOR DESIGN

### SHEET INDEX:

SHEET 2 DEMOLITION PLAN SHEET 3 SITE PLAN SHEET 4 GRADING SHEET 5 PRE-DRAINAGE MAP SHEET 6 POST-DRAINAGE MAP SHEET 7 WATER SPECIFICATIONS SHEET 8 WATER SPECIFICATIONS SHEET 9 CONSTRUCTION DETAILS

SHEET 10 SIGHT DISTANCE PLAN

SHEET 11 TRUCK PATH PLAN

SHEET 1 COVER SHEET

P&Z APPROVAL #4904.02.01 APPROVAL DATE = 03/05/2010

-WATER VALVE →WATER METER 0 20 -PROPOSED TREE is LRI URI FIRE HYDRANT -LIGHT STANDARD ISS 7 -- GAS VALVE 000 ¥ 0 RS ON 94 

LEGEND

-SANITARY MANHOLE

-UTILITY POLE

RCP -REINFORCED CONC. PIPE

CMP -CORRUGATED METAL PIP

-OHW- -OVERHEAD ELECTRIC

-GUY WIRE

w - - WATER LINE

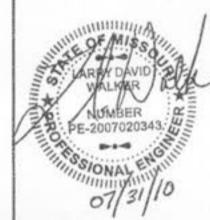
- GAS- -GAS LINE

-IRON PIPE

5 A 2 YO? R 2 - 0 0 0

9

CLAIMER OF RESPONSIBILITY hereby disclaim any esponsibility for all other lrawings, specifications, estimate reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey other than these authenticated by my seal.



Larry David Walker Engineer 2007020343

REVISIONS 06-14-10 CITY COMMENTS 06-30-10 CITY COMMENTS 07-09-10 ADD TRANSFORMER 07-14-10 ADD LIGHTING 7-26-10 AMEREN UE NOTE 07-30-10 RETAINING WALL



PLANNING SURVEYING

221 Point West Blvd. St. Charles, MO 63301 636-928-5552 FAX 928-1718

04/15/10 04-13010A PROJECT NUMBER

FILE NAME

DRAWN DESIGNED CHECKED

RECEIVED AUG - 2 2010

SITE BENCHMARK: ELEV 571.94 OLD IRON PIPE AT THE SOUTHWEST CORNER OF SUBJECT PROPERTY.

Construction work shall only be allowed during the following hours: October 1 - May 31 7:00 A.M. to 7:00 P.M. Monday - Sunday June 1 - September 30 6:00 A.M. to 8:00 P.M. Monday - Friday 7:00 A.M. to 8:00 P.M. Saturday and Sunday \* Construction work to be done outside of these hours requires prior written

approval from the City Administrator or City Engineer.

REFERENCE BENCHMARK: RM 59 - ELEVATION 526.36 (USGS) CHISELED SQUARE ON THE EAST END OF ASPHALT STREET, AT THE SOUTHEAST CORNER OF PLACKMEIER DRIVE AND ERNST PLACE.

### CONSTRUCTION WORKING HOURS:

# U.S.G.S. BENCHMARKS:

is not allowed to flow away from the ditch without first saturating the trench.