LEGAL DESCRIPTION

Progress Point Village

A tract of land being Lot 6 of Progress Point Village, a subdivision in the City of O'Fallon, Missouri, according to the plat thereof recorded in Plat Book 40, Pages 290 through 293 of the Recorder of Deeds Office in St. Charles, Missouri, and being located in U.S. Surveys 1669 and 1796, Township 46 North, Range 3 East of the Fifth Principal Meridian, St. Charles County, Missouri, and being more particularly described as follows:

Beginning at the most Southwesterly corner of aforesaid Lot 6, being the intersection of the Easterly line of Missouri State Highway K (variable width) and the Northerly line of Missouri State Highway 40 TR (U.S. Route 40-61) (variable width); thence departing last said Northerly line and along last said Easterly line North 05 degrees 30 minutes 10 seconds East (basis of bearing taken from aforesaid plat of Progress Point Village) 53.93 feet; thence departing last said Easterly line South 89 degrees 26 minutes 29 seconds East 134.38 feet; thence North 60 degrees 43 minutes 53 seconds East 48.43 feet; thence North 31 degrees 45 minutes 48 seconds East 271.43 feet: thence North 64 degrees 25 minutes 01 second East 58.58 feet; thence North 66 degrees 56 seconds 01 minute East 98.00 feet; thence North 87 degrees 11 minutes 32 seconds East 100.00 feet; thence South 81 degrees 29 minutes 40 seconds East 90.00 feet; thence North 83 degrees 51 minutes 15 seconds East 70.00 feet; thence North 49 minutes 10 minutes 37 seconds East 25.00 feet; thence North 07 degrees 25 minutes 43 seconds East 55.00 feet; thence North 09 degrees 04 minutes 50 seconds West 68.00 feet; thence North 21 degrees 08 minutes 37 seconds East 160.00 feet; thence North 27 degrees 23 minutes 25 seconds East 100.00 feet; thence North 26 degrees 14 minutes 27 seconds East 100.00 feet; thence North 41 degrees 29 minutes 57 seconds East 100.00 feet; thence North 29 degrees 14 minutes 00 seconds East 43.63 feet; thence South 60 degrees 46 minutes 00 seconds East 199.86 feet to a point of curvature to the left for which the radius point bears North 29 degrees 14 minutes 00 seconds East 74.00 feet; thence Easterly along ast said curve, with a chord which bears South 86 degrees 20 minutes 27 seconds East 63.89 feet an arc distance of 66.06 feet to a point of tangency; thence North 68 degrees 05 minutes 07 seconds East 273.24 feet; thence North 63 degrees 24 minutes 07 seconds East 154.67 feet; thence North 53 degrees 08 minutes 53 seconds East 223.32 feet to the Southwesterly line of Technology Drive (variable width) and a point on a curve to the right for which the radius point bears South 85 degrees 12 minutes 54 seconds West 40.00 feet; thence along last said Southwesterly line the following courses and distances; thence South along last said curve, with a chord which bears South 02 degrees 14 minutes 37 seconds East 3.55 feet, an arc distance of 3.55 feet to a point of reverse curvature to the left for which the radius point bears South 89 degrees 42 minutes 08 seconds East 76.00 feet: thence along last said curve, with a chord which bears South 48 degrees 02 minutes 04 seconds East 113.55 feet, an arc distance of 128.22 feet to a point of reverse curvature to the right for which the radius point bears South 06 degrees 22 minutes 00 seconds East 40.00 feet; thence along last said curve, with a chord which bears South 71 degrees 27 minutes 04 seconds East of 33.70 feet, an arc distance of 34.79 feet to a point of reverse curvature to the right for which the radius point bears South 43 degrees 27 minutes 52 seconds West 663.00 feet; thence Southeasterly along last said curve, with a chord which bears South 36 degrees 53 tes 36 seconds East of 222.09 feet, an arc distance of 223.15 feet to a point of tangency; thence South 27 degrees 15 minutes 05 seconds East 267.49 feet to a point of curvature to the right for which the radius point bears South 62 degrees 44 minutes 55 seconds West 40.00 feet; thence Southerly along last said curve, with a chord which bears South 03 degrees 02 minutes 47 seconds East 32.80 feet, an arc distance of 33.80 feet to a point of reverse curvature to the left for which the radius point bears South 68 degrees 50 minutes 28 seconds East 76.00 feet; thence Southwesterly along las said curve, with a chord which bears South 17 degrees 44 minutes 55 seconds West 9.04 feet, an arc distance of 9.05 feet to a point of reverse curvature to the right for which the radius point bears North 75 degrees 39 minutes 42 seconds West 40.00 feet; thence Southwesterly along last said curve, with a chord which bears South 38 degrees 32 minutes 37 seconds West 32.80 feet an arc distance of 33.80 feet to a point on the Westerly line of Progress Point Parkway (variable width) and a point of tangency; thence along last said Westerly line the following courses and distances: thence South 62 degrees 44 minutes 55 seconds West 64.91 feet to a point of compound curvature to the left for which the radius point bears South 27 degrees 15 minutes 05 seconds East 637.00 feet; thence Southwesterly alana last said curve, with a chord which bears South 60 degrees 17 minutes 29 seconds West 54.62 feet an arc distance of 54.64 feet to a point of compound curvature to the left for which the radius point bears South 34 degrees 53 minutes 40 seconds East 637.00 feet; thence Southwesterly along last said curve, with a chord which bears South 48 degrees 27 minutes 02 seconds West 147.64 feet an arc distance of 147.98 feet to a point on a curve to the left for which the radius point bears South 45 degrees 32 minutes 05 seconds East 630.00 feet; thence Southwesterly along last said curve, with a chord which bears South 19 degrees 49 minutes 50 seconds West 525.20 feet an arc distance of 541.74 feet to a point of tangency; thence South 04 degrees 48 minutes 14 seconds East 212.43 feet to a point of curvature to the right for which the radius point bears South 85 degrees 11 minutes 46 seconds West 970.00 feet; thence Southerly along last said curve, with a chord which bears South 02 degrees 58 minutes 55 seconds East 61.68 feet, an arc distance of 61.69 feet to a point on a curve to the right for which the radius point bears North 89 degrees 45 minutes 08 seconds West 969.00 feet; thence Southeasterly alona last said curve, with a chord which bears South 06 degrees 16 minutes 30 seconds West 203.49 feet, an arc distance of 203.87 feet to a point on a curve to the right for which the radius point bears North 79 degrees 05 minutes 25 seconds West 965.00 feet; thence Southerly along last said curve, with a chord which bears South 11 degrees 38 minutes 51 seconds West 24.85 feet an arc distance of 24.85 feet to a point of tangency; thence South 12 degrees 23 minutes 06 seconds West 125.60 feet to the northerly line of aforesaid Missouri State Highway 40 TR: thence along last said Northerly line the following course and distances; thence North 7 degrees 47 minutes 47 seconds West 229.97 feet; thence North 79 degrees 36 minutes 48 seconds West 495.30 feet: thence North 61 degrees 02 minutes 01 second West 34.67 feet to a point on a curve to the right for which the radius point bears North 12 degrees 14 minutes 34 seconds East 871.93 feet; thence Northwesterly along said last curve, with a chord which bears North 70 degrees 39 minutes 05 seconds West 215.72 feet an arc distance of 216.27 feet; thence

Also known as:

INLET OPENINGS.

FROM EDGE OF PAVEMENT.

Lot 6 of PROGRESS POINT VILLAGE, a Subdivision in St. Charles County, Missouri, as per plat thereof recorded in Plat Book 40 Pages 290 through 293 of the St. Charles County Records.

DESIGNATION C76-80 CLASS III UNLESS NOTED.

3.) TYPE "C" BEDDING IS REQUIRED FOR PIPES IN ROCK.

7.) "O" RING PIPE TO BE USED ON ALL STORM SEWERS.

10.) PROVIDE 36" MINIMUM COVER FOR STORM SEWERS

THE STRUCTURE OF ALL DROP STRUCTURES.

AT CROSSING WITH SANITARY SEWER.

STORM SEWER NOTES

4.) ALL TRENCH BACKFILLS UNDER PAVEMENT SHALL BE GRANULAR BACKFILLED.

BACKFILL MUST BE SUITABLE SOILS & COMPACTED TO 95 % OF THE

(APPLIES TO TRENCHES THAT DO NOT REQUIRE GRANULAR BACKFILL)

6.) ALL CURB INLETS AND AREA INLETS TO HAVE 5/8" TRASH BAR ACROSS

8.) GRANULAR BACKFILL TO BE PLACED WITH A MINIMUM OF 1'H:1'V SLOPE

9.) BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF STORM SEWER STRUCTURES.

11.) PROVIDE CONCRETE CRADLES FOR RCP AND CONCRETE ENCASEMENTS FOR HDPE

12.) COMPACTED ROCK BACKFILL IS REQUIRED IN THE DISTURBED GROUND AROUND

5.) JETTING IS NOT A PERMITTED METHOD OF COMPACTION ON SEWER TRENCHES

CONSTRUCTED IN ACCORDANCE WITH ST. CHARLES COUNTY HIGHWAY DEPARTMENT.

1.) ALL CONCRETE SHALL BE REINFORCED, AND CONFORM TO A.S.T.M.

MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY.

2.) ALL STORM SEWER STRUCTURES WITHIN PROJECT SITE TO BE

departing last said curve North 62 degrees 10 minutes 19 seconds

396.25 feet to the POINT OF BEGINNING and containing 2.088.342

performed by Stock and Associates Consulting Engineers, Inc. on

saugre feet or 47.942 acres, more or less according to calculations

West 500.56 feet; thence North 54 degrees 06 minutes 15 seconds West

- Installation of perimeter sediment control shall be implemented as the first step of grading and within seven (7) days of grubbing
- Inspection of siltation control devices shall take place once event. Any siltation control in need of repair shall occur
- Any disturbed areas which will remain unworked for 14 days or more shall be stabilized with seeding and mulching per specifications within 7 days. If seasonal conditions prohibit seeding, mulching or matting shall be used.
- 4. All slopes or drainage channels, once constructed to final grade, shall be seeded and mulched per specifications within
- Silt fences shall be installed immediately around each storm sewer structure once final construction of each individual
- 6. All siltation control devices shall remain in place until upslope areas have been permanently stabilized.
- 7. 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 silts or mud on new or existing pavement or 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." Owner shall be responsible for structure to remain as permanent after construction is complete.
- 8. Erosion control shall not be limited to what is shown on the plan. Whatever means necessary shall be taken to prevent roadways, properties, and ditches.
- 9. 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.

Siltation Control Schedule Implementation

be permanently seeded

Temporary roads shall follow the contour of the natural terrain to the extent possible. Slopes should not exceed 10

- 2. Grades should be sufficient to provide drainage, but should not exceed 10 percent.
- 3. Roadbeds shall be at least 24 feet wide.
- 4. All cuts and fills shall be 3:1 or flatter to the extent
- 5. Drainage ditches shall be provided as needed.
- 7. A 10-inch course of 2" MINUS aggregate shall be applied immediately after grading or the completion of utility installation within the right-of-way. Filter fabric may be applied to the roadbed for additional stability in accordance with fabric manufacturer's specifications.

All roadside ditches, cuts, fills and disturbed areas adjacent to parking areas and roads shall be stabilized with appropriate temporary or permanent vegetation according to the applicable standards and specifications.

Maintenance

periodic top dressing with new gravel. Seeded areas adjacent to the roads and parking areas should be checked periodically to ditches and other drainage structures should be checked regularly to ensure that they do not become clogged with silt or other

All erosion control systems shall be inspected and necessary corrections made within 24 hours of any rainstorm resulting in 1/2 inch of rain

TILLAGE PERPARATIONS

FERTILIZER

*TILL TOP 4" OF SOIL

TEMPORARY SEEDING

KENTUCKY BLUEGRASS/

LISTED LEGUMES/GRASSES

PERENNIAL RYEGRASS

PERMANENT

SEEDING RATES

TEMPORARY

PERMANENT

FESCUES

WHEAT OR RYE

FINE FESCUE

WHEAT/RYE

SEEDING PERIODS

* PER SOIL TEST OR FOLLOWING TABLE:

EROSION AND SEDIMENT CONTROL NOTES

- every seven days and within 24 hours of any 0.5"/24 hour rain

- structure is complete.

- siltation and erosion from entering natural streams and adjacent

Perimeter siltation control and construction entrances to be

- 2. Begin placing aggregate base in parking areas once area has reached final grade to prevent erosion
- 3. Place silt fence around each storm sewer structure as it is
- 4. Immediately seed areas upon reaching final grade that are to

Temporary Access Roads and Parking Areas Specifications

- 6. The roadbed or parking surface shall be cleared of all vegetation, roots and other objectionable material.

VEGETATION ESTABLISHMENT

LBS./1,000 S.F.

+ SOIL TEST RESULTS TAKE PRECEDENCE, DUE TO HIGHLY VARIBALE SOIL pH.

150 LBS. / ACRE

150 LBS. / ACRE

6 LBS / 1000 S.F.

8 LBS / 1000 S.F.

MARCH 1 - JUNE 1

AUGUST 1 - OCTOBER 1

MARCH 15 - NOVEMBER 1

0.7 0.7 0.7 14 ENM+

1.0 1.4 1.4 14 ENM+

K LIME

Both temporary and permanent roads and parking areas may require ensure that a vigorous stand of vegetation is maintained. Roadside

Detail this sheet.

this sheet).

- Straw Bale Siltation Control Specifications Sheet Flow Applications
 - Bales shall be placed in a single row, lengthwise on the contour, with both ends of adjacent bales tightly abutting one
 - 2. All bales shall be either wire-bound or string-tied. Straw bales shall be installed so that buildings are oriented around the sides rather than along the tops and bottoms of the bales (in order to prevent deterioration of the bindings). See
 - 3. The barrier shall be entrenched and backfilled. A trench shall be excavated the width of a bale and the length of the proposed barrier to a minimum depth of 4 inches. After the bales are staked and chinked, the excavated soil shall be backfilled against the barrier. Backfill soil shall conform to the ground level on the downhill and shall be built up to 4 inches against the uphill side of the barrier (See detail
 - 4. Each bale shall be securely anchored by at least two stakes or rebars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale to force the bales together. Stakes or rebars shall be driven deep enough into the ground to securely anchor the bales.
 - 5. The gaps between bales shall be chinked (filled by wedging) with straw to prevent water from escaping between the bales. (Loose straw scattered over the area immediately uphill from
 - 6. Inspection shall be frequent and repair or replacement shall be made promptly as needed.

a straw bale barrier tends to increase barrier efficiency).

Straw bale barriers shall be removed when they have served their usefulness, but not before the upslope areas have been permanently stabilized.

Channel Flow Applications

- 1. Bales shall be placed in a single row, lengthwise, oriented perpendicular to the contour, with ends of adjacent bales tightly abutting one another.
- 2. The remaining steps for installing a straw bale barrier for sheet flow applications apply here, with the following
- 3. The barrier shall be extended to such a length that the bottoms of the end bales are higher in elevation than the top of the lowest middle bale (see detail) to assure that sedimentladen runoff will flow either through or over the barrier but not around it.

Maintenance

rainfall and at least daily during prolonged rainfal

2. Close attention shall be paid to the repair of damaged fence,

- Straw bale barriers shall be inspected immediately after each
- 3. Necessary repairs to barriers or replacement of silt fence shall be accomplished promptly.

end runs and undercutting beneath fence.

- Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the barrier.
- 5. Any sediment deposits remaining in place after the straw bale barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.
- Silt Fence Specifications 1. Silt Fence to be woven geotextile fabric Mirafi 100X or equal.
- spaced on 5' centers with $6 \times 6/10 \times 10$ gage welded wire fence. See detail this sheet. 3. Fabric shall be entrenched and backfilled. A trench shall be

Fabric to be supported by metal tee post with spade base

- fence. The excavated soil shall be backfilled against the fence. See detail this sheet 4. Fence height shall be a minimum of 4 feet in height, with the
- fabric installed on the fence on the upstream side. 5. Silt fences shall be used only on sheet flow conditions.
- 6. Silt fences shall be installed around all storm sewer structures.

Maintenance

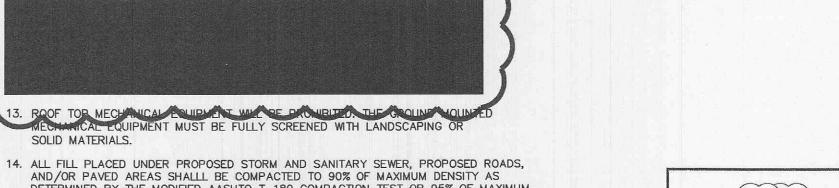
- 1. Silt fence barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall.
- Close attention shall be paid to the repair of damaged bales, end runs and undercutting beneath bales.
- Necessary repairs to barriers or replacement of bales shall be accomplished promptly.
- 4. Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the barrier.
- 5. Any sediment deposits remaining in place after the silt fence barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.

GENERAL NOTES

- 1. BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES.
- 2. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY SURVEY AND RECORD INFORMATION. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
- 3. NO SLOPE SHALL BE STEEPER THAN 3:1.
- 4. FEMA MAP 29183C0430 E DATED 8/2/96 ZONE "X" AND OTHER AREAS.
- 5. ALL SLOPES TO BE STABILIZED IMMEDIATELY AFTER GRADING.
- ALL UTILITIES SERVING SITE ARE UNDERGROUND.

CURRENT CITY OF O'FALLON STANDARDS.

- 7. ALL OUTSIDE TRASH CONTAINERS, HVAC UNITS, ELECTRIC, TELEPHONE AND GAS METERS, SATELLITE DISHES, AND ROOFTOP MECHANICAL APPARATUS SHALL BE THOROUGHLY SCREENED WITH MATERIALS AND/OR LANDSCAPING TO CONCEAL THE VISIBILITY OF SUCH ITEMS FROM THE VIEW OF RIGHTS-OF-WAY AND/OR ADJACENT PROPERTIES AS APPROVED BY THE PLANNING AND ZONING COMMISSION.
- 8. ALL CONSTRUCTION AND MATERIALS USED SHALL CONFORM TO
- 9. SEE ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS
- AND DETAILS. 10. HANDICAP STALL LOCATIONS ARE TO BE DETERMINED AND COORDINATED
- WITH THE CITY OF O'FALLON. 11. ALL PROPOSED BUILDINGS LOCATED ON THE PROPERTY AND ARE DESIGNATED "FUTURE DEVELOPMENT", SHALL REQUIRE THE SUBMISSION AND APPROVAL OF A COMPLETED SITE PLAN THAT INDICATES THAT ALL



29. Cont.)

Medical Office Building

METHODOLOGY 2

* TOTAL: 311 parking spaces

* TOTAL: 216 parking spaces

* TOTAL: 114 parking spaces

PHASE 1 PARKING (as shown on plan)

- Required bicycle parking is 27 spaces.

GRAND TOTAL: 395 Total Parking Spaces Provided

- Provided automobile parking spaces is 403 spaces.

- One (1) space per fifteen automobile parking spaces

* 170 parking spaces — South Lot

* 181 parking spaces - North Lot

Medical Office Building

* 44 ED parking spaces

Required Bicycle Parking:

* Physicians - 0.65 spaces/physician present at 19 physicians = 12 spaces

* Staff - 2 spaces/physician present at 19 physicians = 38 spaces

* Patients - 3 spaces/physician present at 19 physicians = 57 spaces

GRAND TOTAL: 311 Total Parking Spaces (x) 10% = 342 parking spaces

GRAND TOTAL: 330 Total Parking Spaces (x) 10% = 363 parking spaces

* Visitors - 1 space per bed at 72 beds = 72 parking spaces

* All - 5 spaces / 1000 DGSF at 22,800 DGSF = 114 spaces

* Physicians/Staff - Peak shift 2/3 FTE. 3 FTE/bed at 72 beds = 144 spaces

- AND/OR PAVED AREAS SHALLL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETÉRMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROTOR 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. "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.
- 15. DEVELOPER MUST SUPPLY CITY CONSTRUCTION INSPECTORS WITH SOIL REPORTS PRIOR TO OR DURING SITE SOIL TESTING.
- 16. ENSURE 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 CONFLICT OCCURS 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 AISLE IS PROVIDED AND CURB RAMPS DO NOT PROJECT INTO THE HANDICAP ACCESS AISLE). ALL HANDICAP RAMPS ARE TO BE CONCRETE.
- 17. LIGHTING VALUES WILL BE REVIEWED ON SITE PRIOR TO THE FINAL OCCUPANCY INSPECTION. CORRECTIONS WILL NEED TO BE MADE IF NOT IN COMPLIANCE WITH CITY STANDARDS.
- 18. ALL PAVED ROADWAYS GOING ON AND OFFSITE WILL BE KEPT FREE OF DIRT, ROCKS, GRAVEL OR OTHER MATERIALS DURING CONSTRUCTION.
- 19. RIP RAP SHOWN AT FLARED ENDS WILL BE EVALUATED IN THE FIELD AFTER INSTALLATION FOR EFFECTIVENESS AND FIELD MODIFIED IF NECESSARY TO REDUCE EROSION ON AND
- 20. ALL PAVING TO BE IN ACCORDANCE WITH ST. CHARLES COUNTY STANDARDS AND SPECIFICATIONS EXCEPT AS MODIFIED BY THE CITY OF O'FALLON ORDINANCES.
- 21. BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF STORM SEWER STRUCTURES.
- 22. ALL PROPOSED FENCING REQUIRES A SEPERATE PERMIT THROUGH THE PLANNING DIVISION. 23. ALL SIGN LOCATIONS AND SIZES MUST BE APPROVED SEPERATELY THROUGH
- THE PLANNING DIVISION. SIGN LOCATIONS ARE SHOWN ON PLANS. 24. ALL SIGN POSTS AND BACKS AND BRACKET ARMS SHALL BE PAINTED BLACK USING CARBOLINE RUSTBOND PENETRATING SEALER SG AND CARBOLINE 133 HB PAINT

(OR EQUIVALENT AS APPROVED BY THE CITY AND MODOT). SIGNS DESIGNATING STREET

NAME SHALL BE ON THE OPPOSITE SIDE OF THE STREET FROM TRAFFIC CONTROL SIGNS.

- 25. CONTRACTOR TO FOLLOW GEOTECHNICAL ENGINEER RECOMMENDATIONS PREPARED BY MIDWEST TESTING; REPORTS DATED DECEMBER 18,2000 (MT #3964), MARCH 19,2004 (MT #10400), MAY 10, 2004 (MT #10429), JULY 22, 2004
- 26. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ANY ROCK ENCOUNTERED. CONTRACTOR SHOULD FAMILIARIZE THEMSELVES WITH ALL THE GEOTECHNICAL REPORTS LISTED ABOVE AND REVIEW THE RECOMMENDATIONS OF THE GEOTECH ENGINEER.
- 27. SITE COVERAGE CALCULATIONS:
- LOT 6 $= 47.942 \text{ Acres } \pm (100\%)$ BUILDING AREA = 1.69 Acres \pm (3.53%) PAVEMENT AREA = $6.55 \text{ Acres } \pm (13.66\%)$
- GREEN SPACE = $39.70 \text{ Acres } \pm (82.81\%)$ 28. PRESENT ZONING: "HTCD" (HIGH TECH CORRIDOR DISTRICT)
 - BUILDING SETBACK REQUIREMENTS PER ZONING: (A) FRONT YARD - THIRTY FEET (30')
 - (B) SIDE YARD THIRTY FEET (30') (C) REAR YARD - THIRTY FIVE FEET (35')

29. O'Fallon P&Z Parking Requirements

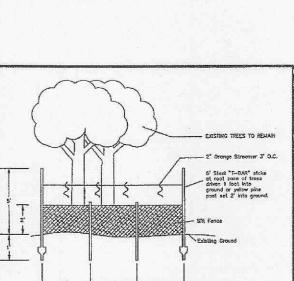
- * 1 space per 4 beds. * 1 space per each staff doctor. * 1 space for each 3 employees (including nurses).
- * Adequate space for ER vehicles.
- Medical Clinics: * 7 spaces per staff physician * 2 spaces per each 3 employees or 1 space for every 120 SF of gross
- * 500-1000: 2% of Total

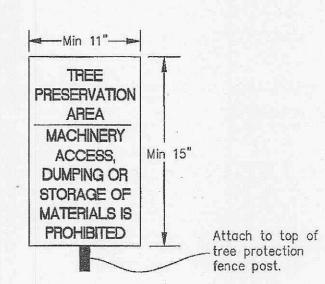
floor area, whichever is greater.

* Over 1000: 20 plus 1 per 100 *Presently, we do not know the exact number of physicians, nurses, employees, etc. We derived our parking numbers from the two methodologies below, ultimately using the larger number. These methodologies were created based upon a factor of spaces per use. These factors or percentages were taken from a national average of hospitals / medical office buildings across the country.

METHODOLOGY 1

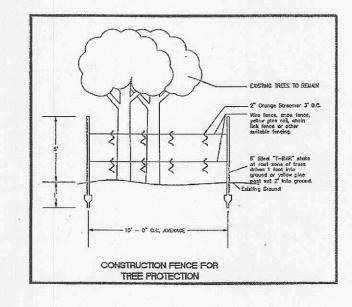
- * Physicians 0.25 spaces/physician at 108 physicians = 27 spaces * Staff - 0.40 spaces/staff at 216 staff = 86 spaces
- * Volunteers 0.40 spaces/volunteer at 25 volunteers = 10 spaces * Students - 0.50 spaces/student at 20 students = 10 spaces * Visitors ED - 1.50 spaces/ED keyroom at 12 rooms = 18 spaces
- * Visitors Outpatient 0.30 spaces/outpatient at 90 outpatients = 27 spaces * Visitors Inpatient - 0.35 spaces/occupied bed at 72 beds = 25 spaces
- * TOTAL: 204 parking spaces





PROTECTION FENCE

Tree Preservation Sign



DUCKETT CREEK SANITARY DISTRICT CONSTRUCTION NOTES

- Underground utilities have been plotted from available information and therefore location 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 improvements.
- 2. Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing or proposed sanitary and storm sewers, including house laterals.
- 3. All existing site improvements disturbed, damaged or destroyed shall be repaired or replaced to closely match

preconstruction conditions.

- 4. All fill including places under proposed storm and sanitary sewer lines and paved areas including trench backfills within and off the road right-of-way shall be compacted to 90 percent of maximum density as determined by the "Modified AASHTO T-180 Compaction Test (ASTM D1557)". All tests shall be verified by a Soils Engineer concurrent with grading and backfilling operations. The compacted fill shall be free of rutting and shall be non-yielding and non-pumping during proofrolling and
- 5. The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer
- All sanitary sewer flowlines and tops built without elevations furnished by the engineer will be the responsibility
- of the sewer contractor.
- 7. Easements shall be provided for all sanitary sewers, storm sewers and all utilities on the record plat.
- All construction and materials shall conform to the current construction standards of the Duckett Creek Sanitary District. 9. The Duckett Creek Sanitary District shall be notified at
- least 48 hours prior to construction for coordination of 10. All sanitary sewer building connections shall be designed so that the minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer at the corresponding

building connection shall not be less than the diameter of the

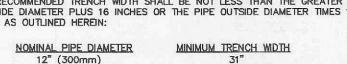
11. All sanitary sewer manholes shall be waterproofed on the exterior in accordance with Missouri Dept. of Natural Resources specification 10 CSR-8.120(7)(E).

pipe plus the vertical distance of 2-1/2 feet.

- 12. All PVC sanitary sewer pipe shall conform to the requirements of ASTM D-3034 Standard Specification for PSM Polyvinyl Chloride Sewer Pipe, SDR-35 or equal, with "clean" 1/2 inch to 1 inch granular stone bedding uniformly graded. This bedding shall extend from 4 inches below the pipe to springline of pipe. Immediate backfill over pipe shall consist of same size "clean" or "minus" stone from springline of pipe to 6 inches above the
- 13. All sanitary and storm sewer trench backfills shall be water
- jetted. Granular backfill will be used under pavement areas. 14. All pipes shall have positive drainage through manholes. No flat invert structures are allowed.
- 15. All creek crossings shall be grouted rip-rap as directed by District inspectors. (All grout shall be high slump ready—mix
- 16. Brick shall not be used on sanitary sewer manholes.
- 17. Existing sanitary sewer service shall not be interrupted. 18. Maintain access to existing residential driveways and
- 19. Pre-manufactured adapters shall be used at all PVC to DIP connections. Rubber boot / Mission-type couplings will not be
- 20. Any permits, licenses, easements, or approvals required to work on public or private properties or roadways are the responsibility of the developer.
- 21. 'Type N' Lock-Type Cover and Locking Device (Lock-Lug) shall

be used where lock-type covers are required. H.D.P.E. STORM SEWER NOTES:

- STORM SEWER PIPE DESIGNATED AS HIGH DENSITY POLYETHYLENE (H.D.P.E.) SHALL HAVE WATER TIGHT GASKETED JOINTS WITH RUBBER O—RING GASKETS MEETING ASTM F477. O-RING GASKET SHALL BE INSTALLED ON THE SPIGOT END OF PIPE.
- 2.) 12" TO 36" PIPE SHALL CONFORM TO THE AASHTD M294 CLASSIFICATION "TYPE S" AND 42" TO 48" SHALL CONFORM TO AASHTO MP6-95 CLASSIFICATION "TYPE D." 3.) ALL PIPE JOINTS SHALL CONSIST OF BELL AND SPIGOT JOINING SYSTEM WITH THE BELL COVERING TWO PIPE CORRUGATIONS AS RECOMMENDED IN AASHTO M294. 4.) PIPE MANUFACTURED FOR THIS SPECIFICATION SHALL COMPLY WITH THE REQUIREMENTS
- FOR TEST METHODS, DIMENSIONS AND MARKINGS FOUND IN AASHTO DESIGNATIONS M252 AND M294. PIPE AND FITTINGS SHALL BE MADE FROM VIRGIN PE COMPOUNDS WHICH CONFORM WITH THE REQUIREMENTS OF CELL CLASS 335420C AS DEFINED AND DESCRIBED 5.) FITTINGS MAY BE EITHER MOLDED OR FABRICATED AND SHALL CONFORM TO THE REQUIREMENTS AASHTO M252 AND M294. THE FITTINGS SHALL NOT REDUCE OR IMPAIR THE OVERALL
- INTEGRITY OR FUNCTION OF THE PIPE LINE. ONLY FITTINGS SUPPLIED OR RECOMMENDED BY THE PIPE MANUFACTURER SHALL BE USEI 6.) INSTALLATION OF THE PIPE SPECIFIED ABOVE SHALL BE IN ACCORDANCE WITH THE ASTM
- 7.) BOTH BELL AND SPIGOT (WITH O-RING GASKET) ENDS OF THE PIPE SHALL BE LUBRICATED AS RECOMMENDED BY MANUFACTURER AND INSERTED TO THE HOMING MARK ON THE SPIGOT 8.) MINIMUM RECOMMENDED TRENCH WIDTH SHALL BE NOT LESS THAN THE GREATER OF EITHER PIPE OUTSIDE DIAMETER PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25, PLUS



18" (450mm) 24" (600mm) 30" (750mm) 36" (900mm) 42" (1050mm 48" (1200mm /2\ REVISIONS 7/29/05 PER CITY OF O'FALLON COMMENT LETTER 6/16/05 BID PACKAGE #6 6/6/05 BUILDING PERMIT APPLICATION SET

1\ REVISIONS 5/18/05 PER CITY OF O'FALLON COMMENT LETTER PROGRESS WEST

RECOMMENDED PRACTICE D2321

SPECIFICATION SHEET

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GEORGE MICHAEL STOCK NUMBER E-25116

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July 29, 2005

G.M.S.

Web: www.stockassoc.com

13.) ALL STORM SEWERS ARE TO BE CONSIDERED PRIVATE, UNLESS OTHERWISE NOTED. 14.) CONTRACTORS TO PROVIDED ALTERNATE BID FOR ADS N-12 ULTRA WT OR EQUAL (SMOOTH INTERIOR) AASHTO TYPE "S" (N-12 ULTRA WT).