

GENERAL NOTES

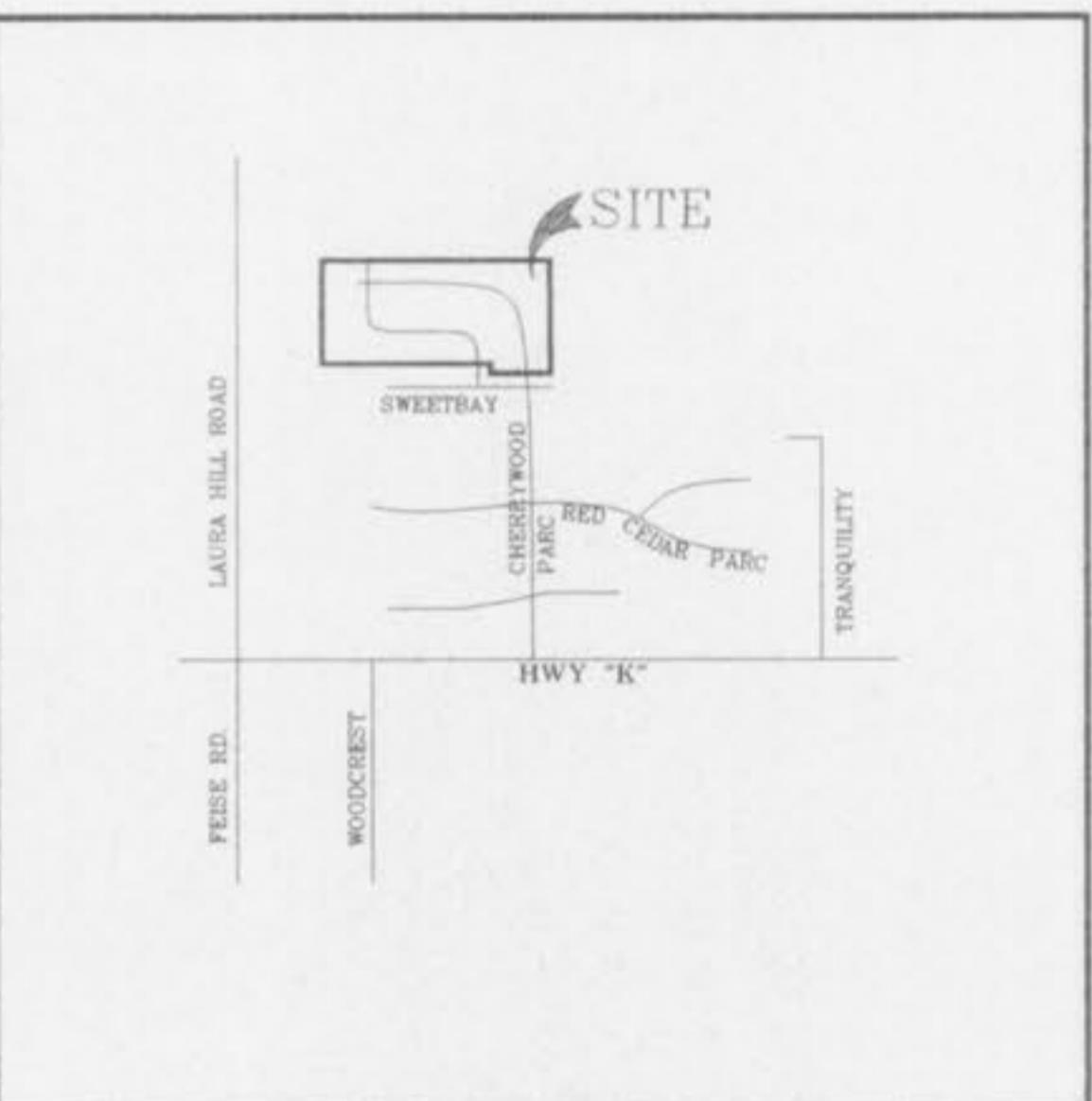
- Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans, shall be the responsibility of the contractor, and shall be located prior to any grading and/or construction of improvements.
- The sediment control plan should be implemented before grading begins. No graded area is to remain bare without being seeded and mulched. When deemed necessary, positive steps should be exercised to prevent this soil from damaging adjacent properties and setting up all storm drainage systems whether on site or off site.
- Erosion control shall not be limited to what is shown on the plans. The contractor shall take whatever means necessary to prevent siltation from entering adjacent roadways, properties, and ditches. Such control might include channeling runoff into sediment basins, channeling runoff into areas where an extra row of straw bales are used. A silt fence might be considered, if necessary.
- No area shall be cleared without permission of the developer.
- Owner/Developer assumes full responsibility as to the performance of the grading operations and assurance that all properties and County and State roads will be adequately protected.
- Soil preparation and re-vegetation shall be performed according to Appendix A of the Model Sediment and Erosion Control Regulations for Urban Development.
- Where natural vegetation is removed during grading, vegetation shall be re-established in such a density as to prevent erosion. Permanent type grasses shall be established as soon as possible or during the next seeding period after grading has been completed. Refer to Appendix A of St. Charles Soil and Water Conservation District - Model Sediment and Erosion Control Regulations.
- Site preparation includes the clearance of all stumps, trees, bushes, shrubs, any 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. Tools and equipment in the fill areas shall be thoroughly disinfected prior to the placement of any fill. The Soils Engineer shall approve the disinfecting operation.
- Compaction equipment shall consist of tamping rollers, pneumatic-tired rollers, vibratory rollers, or high speed impact type drum rollers acceptable to the Soils Engineer. The rollers shall be designed so as to avoid the creation of a layered fill without proper blending of successive fill layers.
- The Soils Engineer shall observe and test the placement of a lift to verify that specification are met. A series of fill density tests will be determined for each lift of fill. Test reports showing fill quality will be made to the Owner at regular intervals.
- The Soils Engineer shall notify the Contractor of rejections of a lift or portion thereof. The Contractor shall rework the rejected portion of fill and obtain notification from the Soils Engineer of its acceptance prior to the placement of additional fill.
- All Areas to receive fill shall be compacted to a depth of not less than 6 inches and then compacted to at least 85 percent of the maximum density as determined by the Modified AASHTO T-1800 Compaction Test (ASTM D-1557). Natural slopes steeper than 1:10 horizontal to vertical for cut height shall be reduced in the placement of fill prior to 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 determined shall be removed at the Contractors expense.
- The sequence of operation in the fill areas will be: fill, compact, verify acceptable soil density, and repetition of the sequence. The acceptable moisture contents during the filling operation are those of which satisfactory dry densities can be obtained. The acceptable moisture content during the filling operation in the remaining areas are from 2% to 8% above the optimum moisture content.
- 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 room for water to collect, the top of the fill shall be graded smooth. If the surface has been finished smooth for this 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.
- All cut and fill slopes should be a maximum of 33% slope (3:1) after grading.
- All fill including filled piles under proposed storm and sanitary sewer lines and paved areas including trench backfills and off-the-roadway fill shall be compacted to 90% Proctor moisture content as determined by the "Modified AASHTO T-180 Compaction Test (ASTM D-1557)." All tests shall be verified by a Soils Engineer coincident with grading and backfilling operations. The compacted fill shall be free of rolling and shall be non-yielding and non-pumping during proof rolling and compaction.
- Fill placed within proposed street P.O.W. shall be compacted to 90% M.O.D. Proctor and be 2% below to 6% above optimum moisture content.
- Soft soil in the bottom and banks of any existing or former pond site 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.
- Temporary siltation control measures (structural) shall be maintained until vegetative cover is established at a sufficient density to provide erosion control on the site.
- If straw bales or silt fences are destroyed by heavy rains, vandalism, etc., they are to be replaced immediately by contractor.
- When grading operations are completed and suspended for more than thirty (30) days, permanent grass must be established at sufficient density to withstand the effects of the weather. During the permanent grass seeding periods, temporary cover shall be provided according to the Designated Officials recommendation. Refer to Appendix A of St. Charles Soil and Water Conservation District - Model Sediment and Erosion Control Regulations. All finished grades (areas not to be disturbed by improvement) in excess of 20% slopes (5:1) shall be mulched and packed at the rate of 100 pounds per 1000 square feet when seeded.
- All low places whether on site or off site should be graded to allow drainage. This may be accomplished with temporary ditches. Any off site drainage easements shall be acquired before off site grading operations begin.
- Water main shall be Class 200, SDR 21 or "Ultra-Blue" PVC, installed with tracer tape and locator wire.
- All existing trash and debris on-site must be removed and disposed of off-site.

CHERRYWOOD PARC PLAT 5

A TRACT OF LAND BEING PART OF THE SOUTHWEST 1/4 OF SECTION 4, TOWNSHIP 46 NORTH, RANGE 3 EAST CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI

LEGEND

	BUILDING LINE
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING WOODED AREA
	SILTATION CONTROL
	CREEK OR DITCH
	FLOWLINE
	GAS MAIN
	TELEPHONE CABLE
	WATER MAIN
	UNDERGROUND ELECTRIC
	OVERHEAD ELECTRIC
	STREET SIGN
	GENERAL SURFACE DRAINAGE
	LIGHT STANDARD
	CLEARING AND GRADING LIMITS
	LATERAL AND TAIL STAKE ELEVATION
	FIRE HYDRANT
	PROPOSED WATER MAIN
	BLOW OFF VALVE
	CLEAN OUT
	STREET ADDRESS DESIGNATOR
	SANITARY SEWER DESIGNATOR
	STORM SEWER DESIGNATOR



LOCATION MAP

N.T.S.

PROJECT BENCHMARK

FIRE HYDRANT AT S.E. CORNER
OF DARDENNE ELEMENTARY SCHOOL
"M" IN MUELLER
U.S.G.S. DATUM ELEV. 574.74

DEVELOPMENT NOTES

- Area of Tract
 - Present Zoning
 - Present Land Use
 - Total lots proposed
 - Minimum lot area
 - Site is Located in or is served by the following:
- | | |
|-----------|-----------------------------------|
| Water | St. Charles Co. Water District #2 |
| Fire | O'Fallon Fire Protection District |
| Sanitary | Duckett Creek Sanitary District |
| Electric | Union Electric Company |
| Gas | St. Charles Gas Company |
| Telephone | G.T.E. |

ENGINEERS CERTIFICATION

The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature and date hereunder attached.
Responsibility is disclaimed for all other engineering plans involved in the project and specifically excludes revisions after this date unless re-authenticated.



ST. CHARLES ENGINEERING AND SURVEYING
Michael Newell Miners
Missouri Professional Engineer Number E-22483

Engineering APPROVED
10/13/97
Sean Callahan

PREPARED FOR:
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CHERRYWOOD PARC PLAT 5

REVISED 3/12/97, 6/1/97, 9/14/97	SHEET 1 OF 18
ST. CHARLES ENGINEERING & SURVEYING	ORDER NO.
S.C.E.S.	94-0306-01
801 S. FIFTH STREET, SUITE 202	DATE
ST. CHARLES, MO 63301	12/30/97
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