A DRAINAGE AREA MAP FOR GOLF HEADQUARTERS CLUBHOUSE

O'FALLON NORTH OUTER ROAD LOCATION MAP NOT TO SCALE

PROPERTY N/F

CITY OF O'FALLON

ZONED P-R

- SILTATION

A TRACT OF LAND BEING PART OF LOT 5 OF "THE JAMES CAMPBELL FARM" IN U.S. SURVEY 3225, TOWNSHIP 46 NORTH, RANGE 3 EAST OF THE FIFTH PRINCIPAL MERIDIAN, ST. CHARLES COUNTY, MISSOURI

DEVELOPMENT NOTES

49.44 Acres

1. Area of Tract: 2. Existing Zoning:

PROPERTY N/F

KULLMAN

1231/1828

ZONED P-R

P-R "PARK-RECREATION DISTRICT" (City of O'Fallon)

3. Proposed Use: 4. Current Owner: Golf Course Clubhouse Futura R.E. Investments

3465 State Highway " O'Fallon, MO 63366 (636) 862-0677

5. Parking Calculations: 20 Spaces Plus 1 per 100 s.f.

2,000 s.f. / 100 = 20 Spaces Spaces Required = 40 Spaces Spaces Proposed = 47 Spaces (Including 2 Handicap)

6. Site is served by: **Duckett Creek Sanitary District** Union Electric Company Laclede Gas Company Water District Number 2 GTE Telephone Company Francis Howell School District

Cottleville Fire Protection District

7. Base flood elevation of zone AE per F.I.R.M. map 29183C0430E dated August 2, 1996 is = 481.5.

8. Site Coverage Calculations: Building Space = 2,400 S.F. ~ 0.001%

Pavement Space = 37,472.26 S.F. ~ 0.017%

GENERAL NOTES

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 pre construction

4. All fill including places under proposed storm and sanitary sewer lines and paved areas within and off the road right-of-way shall be compacted to 90 percent of maximum density as determined by the "Standard Proctor Test (ASTM-D-698). All tests shall be verified by a Soils Engineer concurrent with grading and back filling operations. The compacted fill shall be free of rutting and shall be non-yielding

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

6. All sanitary sewer flowlines and tops built without elevations furnished by the engineer will be the responsibility of the sewer

8. All construction and materials shall conform to the current

10. All sanitary sewer building connections have been designed so that the minimum vertical distances from the low point of the basement to

distance of 2-1/2 feet.

the flowline of a sanitary sewer at the corresponding building

12. All PVC sanitary sewer pipe is to be 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.

14. All pipes shall have positive drainage through manholes. No flat

15. Brick shall not be used on sanitary sewer manholes.

 All PVC sanitary sewer pipe shall meet the following standards.
 A.S.T.M. D-3034 SDR-35 with wall thickness compression joint A.S.T.M. D-3212. An appropriate rubber seal waterstop as approved by the sewer district shall be installed between P.V.C. pipe and masonry structures.

17. All sanitary and storm sewers shall meet all specifications and

18. All water lines shall be laid at least 10 feet horizontally from any sanitary sewer, 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 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 from the sewer and as remote therefrom as possible. This vertical separation shall be maintained for that portion of the water line located within 10 feet, horizontally, of any sewer or drain it

19. Final occupancy permit will not be issued until the hard-surfaced roadway from the subject site to Waterford Crossing is complete.

20. All proposed utilities shall be located underground.

21. All FEMA and City requirements will be met for this development.

22. No slopes shall be steeper than 3:1.

23. Developer must supply City construction inspectors with soil reports prior to or during site soil testing.

1. Underground utilities have plotted from available information and therefore location shall be considered approximate only. The verifications 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 improvements.

and non-pumping during proof rolling and compaction. All trench backfills in paved areas shall be granular fill.

construction debris from entering the existing sanitary sewer system.

7. Easements shall be provided for all sanitary sewers, storm sewers and all utilities on the record plat. See record plat for location and size of easement.

construction standards of the City of O'fallon and Duckett Creek Sanitary Dist.

9. The City of O'fallon and Duckett Creek Sanitary District shall be notified at least 48 hour prior to start of construction for coordination and inspection.

connection is not less than the diameter of the pipe plus the vertical

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

Immediate back fill over pipe shall consist of same size "clean" or "minus" stone from springline of pipe to 6 inches above the top pipe.

13. All sanitary and storm sewer trench backfills shall be water jetted. Granular back fill will be used under pavement areas.

base structures are allowed.

installation requirements of the local governing authority.

FUTURA R.E. INVESTMENTS 3465 STATE HIGHWAY "K" O'FALLON, MISSOURI 63366 PHONE (636) 940-9000 FAX (636) 862-0677 0 AR

DISCLAIMER OF RESPONSIBILITY
I hereby specify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, 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. engineering project or survey.

Bax Engineering Company, Inc. All Rights Reserved

REVISIONS 04-23-01 CITY COMMENTS 10-3-01 MISC. REVISIONS



ENGINEERING PLANNING SURVEYING

1052 South Cloverleaf Drive St. Peters, MO. 63376-6445 314-928-5552 FAX 928-1718

3-27-01 99-10372A PROJECT NUMBER 0372con.dwg FILE NAME

DRAWN CHECKED