



NOTES:

not known.

- 1. This property is ZONE X areas determined to be outside of the 500 year flood plain.
- 2. North derived from bearing of record for the West property line of LOT 1 of anton Hoester Prairie farm, recorded in Surveyors Record Book 6, Page 26, Surveyed on February 10, 1927. (NO3-26W)
- 3. The contractor is responsible for keeping storm and sanitary sewer flowing at all times during construction; method to be approved by the site design engineer.
- 4. All survey monuments disturbed during construction shall be replaced by a licensed surveyor.
- 6. Contractor to contact telephone, electric, gas, and water companies to have underground utilities located on this site and adjacent to this site prior to doing any excavating.
- 7. Underground facilities, structures, and utilities have been plotted from available surveys and records. Therefore, their locations must be considered approximate only. there may be others, the existence of which is presently
- 8. Location, relocation, and connection of the utilities shall be coordinated with the utility companies.
- 9. All trenches under paved areas shall be backfilled with granular material and compacted to meet compaction requirements for the parking lot.
- 10. The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records and measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the Contractor to relocate all existing utilities which conflict with the proposed improvements shown on the
- 11. No individual sewage treatment facility was noted at time of survey. Should a sewage treatment facility be encountered during construction, all sewage shall be disposed of in accordance with the appropriate rules and regulations of the Department
- 12. Detention and drainage will conform to the city of O'fallon regulations.
- 13. Benchmark = 100d spike in utility pole at ground level 34' right station 165+00, elevation 512.50, as per Relocated Highway "K" plans by the Missouri Highway and Transportation Department , Job #650771B.
- 14. The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer system.
- 15. Easements shall be provided for all sanitary sewers, storm sewers and all utilities on the record plat.
- 16. All exterior sanitary sewer manholes shall be waterproofed on the exterior in accordance Missouri Dept. of Natural Resources
- 17. 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. Immediate backfill over pipe shall consist of same size "clean" or "minus" stone from springline of pipe to 6 inches above the top of pipe.
- 18. All sanitary and storm sewer trench backfill shall be water jetted. Granular backfill will be used under pavement areas.
- 19. All pipes shall have positive drainage through manholes. No flat base structures are allowed.
- 20. All creek crossings shall be grouted rip-rap as directed by District inspectors. (All grout shall be high slump ready—mix concrete).
- 21. Brick shall not be used on sanitary sewer manholes.

specification 10 CSR-B.120(7)(E).

Soil Preparation and Compaction

times during filling operations.

Remove all stumps, bushes, trees, weeds, roots, and other surface obstructions from the site. Contractor to strip all topsoil from the entire area to be graded. After the removal of all foreign organic matter, and after stripping of topsoil, the entire surface to be filled or areas that are cut to subgrade shall be scarified to a minimum depth of 12 inches, and then compacted by proof-rolling with suitable compaction equipment weighing not less than 400 psi based on the contact area of one row of feet, or pneumatic-tired roller of equivalent compaction characteristics.

The maximum thickness of fill shall be in lifts not to exceed 8 inches. The proof-rolling and the fill compaction operations under the building and paved areas shall produce at least 95% of the Maximum Dry Density as determined by the Standard Method of Compaction Test ASTM D-698. Any soft areas encountered during proof-rolling shall be undercut and replaced with a properly compacted fill. The compaction of the fill shall be tested during placement by a qualified soil technician to determine if proper densification is taking place. All fill used on the site should consist of low plasticity soils as approved by the sails engineer. After proof-rolling, no water should be allowed to pond on the surface. The earthwork for all building foundations and slabs shall be in accordance with architectural building plans and specifications. Compaction equipment shall be operating on the site at all

> established for the type of construction required by these plans shall be strictly followed (ie. Trenching, Blasting, etc.)

All OSHA rules & regulations | Two working days prior to the start of any excavation on this site, contractor shall call 1-800-DIG-RITE for utility location information.

> JUN 1 2 1996 STORM SEWER PLAN AND PROFILE FOR SCHNUCKS MARKETS O'FALLON MISSOURI

BUESCHER FRANKENBERG ASSUDIATES INC.

consultants & engineers WASHINGTON, MISSOURI 63090 03a ELM STREET UPDATE GRADING/STORM SEWER PDATE ENTRANCE/GRADING/STORM SEWER R.K.S.4/26/96 HOR. 1" = 50UPDATE FLARED END SECTION/NOTES 11 OF 16 VERT. 1" = 5REVISION BY DATE APP'D