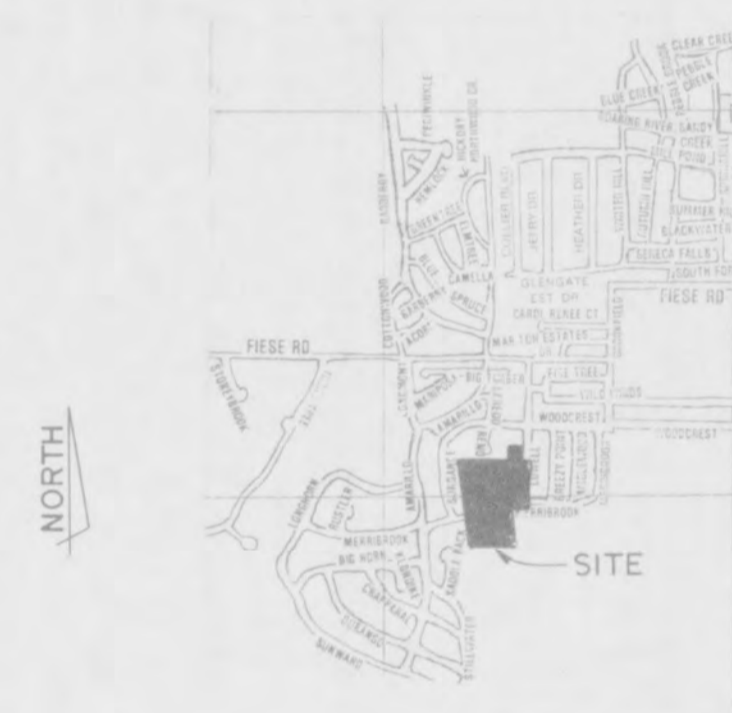


CITY OF O'FALLON
GENERAL NOTES

1. Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing and proposed sanitary and storm sewers including house laterals.
2. Underground utilities have been plotted from available information and therefore their locations must 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 grading or construction of improvements.
3. Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR35.
4. Storm sewers 18" diameter or smaller shall be A.S.T.M. C-14.
5. Storm sewers 21" diameter or larger shall be A.S.T.M. C-76, Class III.
6. All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (A.S.T.M. C-76, Class III) unless noted otherwise on the plans.
7. Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M36, A.A.S.H.O. See plans for gauge.
8. All filled places under buildings, under proposed storm and sanitary sewer lines, and trench backfills under paved areas shall be compacted to 90% of maximum density as determined by the "Modified A.A.S.H.O. T-180 Compaction Test" (A.S.T.M. D-1557) unless otherwise specified by local governing authority specifications. All tests shall be verified by a Soils Engineer.
9. All filled places in paved State, County or City roads (Highways) shall be compacted to 90% of maximum density as determined by the "Standard Proctor Test A.A.S.H.O. T-99" (A.S.T.M. D-698) unless otherwise specified by local governing authority specifications. All tests shall be verified by a Soils Engineer.
10. All storm and sanitary trench backfills will be water jetted. Granular backfill will be used under pavement areas.
11. Easements shall be provided for storm sewers, sanitary sewers and all utilities on the record plat. See record plat for location and size of easements. This does not apply to house laterals.
12. No area shall be cleared without permission of the developer.
13. All grade shall be within 0.2 feet more or less of those shown on the grading plan.
14. No slope shall be greater than 3:1 and shall be either sodded or seeded and mulched.
15. Hazard markers will consist of three (3) standard specification "Manual on Uniform Traffic Control Devices," end of roadway markers mounted on two (2) pound "U" channel sign post. Each marker shall consist of an eighteen (18) inch diamond reflectorized red panel. The bottom of each panel shall be mounted a minimum of four (4) feet above the elevation of the pavement surface.
16. All manhole and curb inlet tops built without elevations furnished by the Engineer will be the responsibility of the sewer contractor. At the time of construction stake-out of the sewer lines, all curb and grate inlets will be face staked. If normal face stakes fall in line with sewer construction the Engineer will set these stakes on a double offset. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.
17. All standard street curb inlets to have front of inlet 2 feet behind curb.
18. The minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer at the corresponding house connection shall not be less than the diameter of the sanitary sewer plus a vertical distance not less than two and one half feet (2-1/2').
19. Water lines, valves, sleeves, meters and etc. shall meet all specifications and installation requirements of the local governing authority.
20. All cast iron pipe for water mains shall conform to AWWA specification C-106 and/or C-108. The cast iron fittings shall conform to AWWA specification C-110. All rubber gasket joints for water cast iron pressure pipe and fittings shall conform to AWWA specification C-111.
21. All water hydrants and valves shall be cast iron and installed in accordance with plans and details.
22. All sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authority.
23. All PVC water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
24. All PVC sanitary sewer pipe to be DR-35 or equal with crushed stone bedding uniformly graded between 1" and 1/4" size. This bedding shall extend from 6" below the pipe to twelve (12) inches above the top of the pipe.
25. All grading on Missouri State Highway Right-of-Way shall be seeded and mulched and all disturbed Right-of-Way Markers shall be reset at the completion of grading.
26. All streets must meet the specifications and installation requirements of the City of O'Fallon.
27. All sanitary manhole tops shall be set 0.2' higher than the proposed ground except in pavement areas.
28. All sanitary manholes shall have a 31 mil. thick coat of coal tar pitch waterproofing.
29. All sanitary service lines shall be 6" for Multi-family and 4" for Single family developments.
30. Manhole frame and cover shall be Clay and Bailey No. 2008 or Neenah R 1736 or Deeter 1315 or approved equal.
31. A drop of 0.2 feet is required through each sanitary manhole.
32. Dufferin Creek Sewerage shall be notified at least 48 hours prior to construction of sanitary sewers for coordination and inspection.
33. Brick shall not be used on manholes.

Dufferin Creek Sewerage
30 Charles Co. Water Div. #2
Water Division
30 Charles Co. Water Div.
Central Telephone
O'Fallon Fire District

GOLDEN OAKS SUBD. PLAT TWO PHASE ONE



LOCATION MAP
1" = 2,000'

PROJECT BENCHMARK

Top of Exist. Manhole at Southeast corner of Lowell & Woodcrest Lane.
U.S.G.S. Elev. 601.70

INDEX

SHEET	DESCRIPTION
1.	COVER SHEET
2.	FLAT PLAN
3.	GRADING PLAN
4.	STREET PLAN
5.	SANITARY SEWER PROFILES
6.	STORM SEWER PROFILES
7.	DRAINAGE AREA MAP
8-12.	DETAIL SHEETS

LEGEND

C.I.	Cast Iron
D.C.I.	Ductile Cast Iron
A.I.	Asphalt Inlet
G.I.	Grate Inlet
M.H.	Manhole
F.E.	Flared end
E.P.	End pipe
C.P.	Concrete pipe
R.C.P.	Reinforced Concrete Pipe
C.M.P.	Corrugated Metal Pipe
C.I.P.	Cast iron pipe
P.V.C.	Polyvinyl Chloride
V.C.P.	Vitrified clay pipe
C.O.	Clean out
V.T.	Vent trap
—	Storm sewer
—	Sanitary sewer
—	Existing sewer
—	Proposed sewer
—	Street sign
—	End of lateral
—	Lateral
—	Lot or building
—	Test Hole
—	Existing fence line
—	Existing tree line
—	Storm sewer (ex)
—	Sanitary sewer (ex)
—	Water line
—	Tee and valve
—	Cap
—	Hydrant
—	Thrust

Approved
C-BA-GAK
July 18, 1986

RECEIVED JUN 19 1986

GEORGE BUTLER ASSOCIATES, INC.
SUITE 200 - 225 SOUTH MAIN ST.
O'FALLON, MISSOURI 63366

Seventh Submittal

P. R. & S. inc.
CIVIL ENGINEERS
LAND SURVEYORS

349 MID RIVERS DRIVE 278-1211
ST. PETERS, MO 65759 481-1211
RAY RICKETT, PE, E-14395