K-LAND

WINDING WOODS

K-LAND

A TRACT OF LAND IN FRACTIONAL SECTION 33, T. 47 N., R. 3E.
CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI

General Notes:

1. 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.

2. New 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.

3. All fill placed under proposed building pads, proposed storm and sanitary sewer lines and/or paved areas including trench backfills shall be compacted to 90% of maximum density as determined by "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.

4. All fill placed below paved State, County or City roads (Highways) shall be compacted to ~~98%~~ 95% 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.

5. All grades shall be within 0.2 feet more or less of those shown on the grading plan. No slope shall be steeper than 3:1.

   A sediment control plan shall be implemented at the start of construction. No graded area is to remain bare without being seeded and mulched. Straw bales or other approved methods of siltation control shall be used, to prevent soil from damaging adjacent property and silting entering existing downstream storm drainage systems.

6. All storm and sanitary trench backfills will be water jetted. Granular backfill will be used under pavement areas.

7. No area shall be cleared without permission of the developer.

8. All water mains, sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authorities and the following:

   8A. All water main pipe shall conform to ASTM D-2241 with a maximum SDR of 21 (200 psi pressure rated) with intergal bells. Gaskets shall meet ASTM F-477. Fittings shall be cement mortar lined ductile iron conforming to AWWA C-110 or C-153. Valves shall be double disc gate valves conforming to AWWA C-500 or resilient seat valves conforming to AWWA C-509. Lines shall be pressure tested in accordance with section 4 of AWWA C-600 and disinfected in accordance with AWWA C-651.

   8B. Polyvinyl Chloride (PVC) sewer pipe shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR35. Sanitary sewer pipe shall be bedded with crushed stone bedding uniformly graded between 1" and 1/4" size. This bedding shall extend from 6" below the pipe to 12" above the pipe.

   8C. Storm Sewers 18" diameter or smaller shall be ASTM C-14.

   8D. Storm Sewers 21" diameter or larger shall be ASTM C-76, Class II.

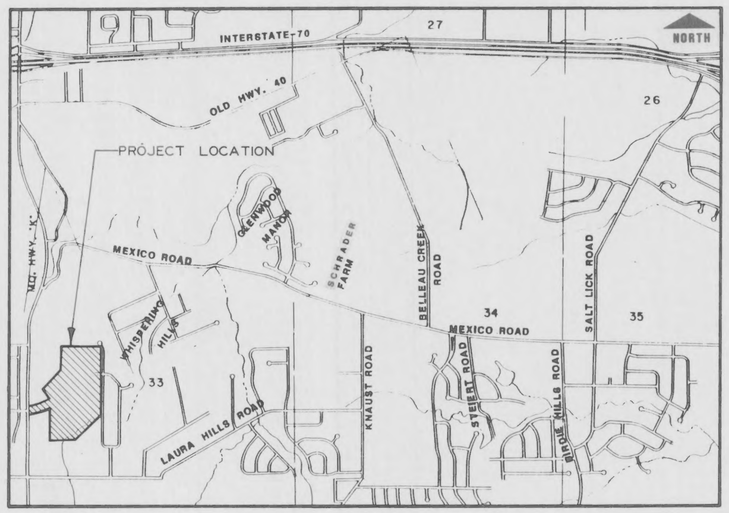
   8E. All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (A.S.T.M. C-76 II) unless noted otherwise on the plans.

   8F. Water lines, valves, sleeves, meters and etc. shall meet all specifications and installation requirements of the St. Charles county PWSD # 2.

9. All manhole and catch basin 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 at a double off set. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.

10. 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').

11. All standard street curb inlets to have front of inlet 2 feet behind curb.



LOCATION MAP
NO SCALE

INDEX TO SHEETS

OWNER - DEVELOPER

FRANCIS W. AND JOANNE M. KEEVEN
HIGHWAY K AND LAURA HILLS ROAD
O'FALLON, MISSOURI 63366

TOTAL AREA OF TRACT
31.9 ACRES
75 LOTS

GBA COPY
APPROVED AS NOTED
2-12-93
Frank Godwin

BM?
ADD

GBA
GEORGE BUTLER ASSOCIATES, INC.
Engineers / Architects / Landscape Architects / Planners