

City of O'Fallon

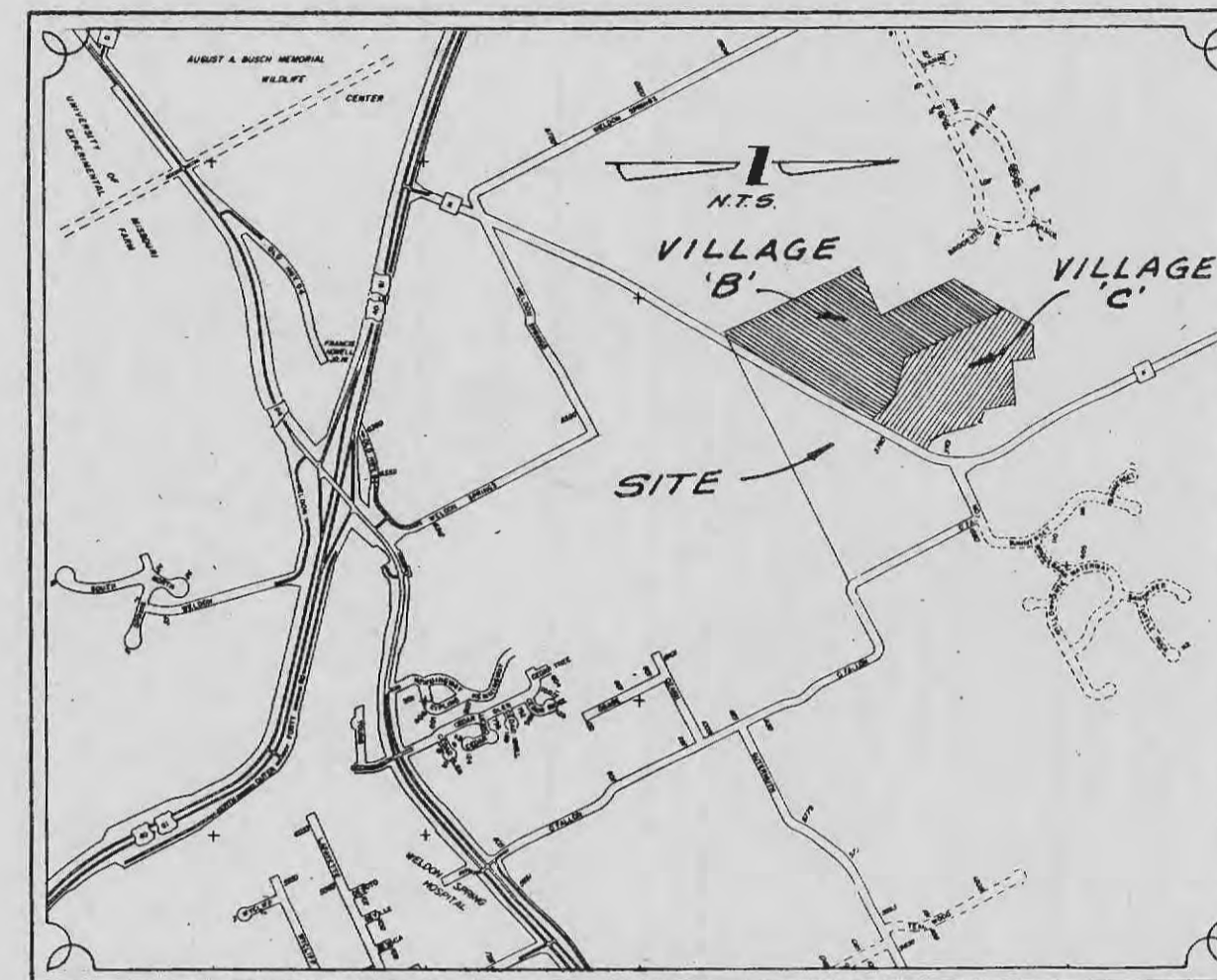
General Notes

- 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.
- 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.
- Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR-35.
- Storm sewers 18" in diameter or smaller shall be ASTM C-14.
- Storm sewers 21" in diameter or larger shall be ASTM C-76, Class II.
- All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class III) unless noted otherwise on the plans.
- Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M-36, A.A.S.H.O. See plans for gauge.
- All filled places under buildings, proposed sanitary and storm sewer lines, and/or paved areas including trench backfills shall be compacted to 90% of maximum density as determined by the "Modified A.A.S.H.O. T-180 Compaction Test" (ASTM D-1557) unless otherwise specified by the local governing authority specifications. All tests will be verified by a Soils Engineer.
- All earthen filled places within 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" (ASTM D 698) unless otherwise specified by local governing authority specifications. All tests will be verified by a Soils Engineer.
- All storm and sanitary trench backfills shall be water jetted. Granular fill will be used under paved areas.
- 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.
- No area shall be cleared without the permission of the developer.
- All grade shall be within 0.2 feet (more or less) of those shown on the grading plan.
- No slope shall be greater than 3:1 and shall be either sodded or seeded and mulched.
- 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.
- 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.
- All standard street curb inlets to have front of inlet 2 feet behind curb.
- 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 of not less than 2 1/2 feet.
- Water lines, valves, sleeves, meters and etc. shall meet all specifications and installation requirements of the local governing authority.
- All cast iron pipe for water mains shall conform to A.W.W.A. specification C-106 and/or C-108. The cast iron fittings shall conform to A.W.W.A. specification C-110. All rubber gasket joints for water cast iron pressure pipe and fittings shall conform to A.W.W.A. specification C-111.
- All water hydrants and valves shall be cast iron and installed in accordance with plans and details.
- All sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authority.
- All PVC water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
- All PVC sanitary sewer pipe shall be DR-35 or equal with crushed stone bedding uniformly graded between 3/8" and 1/2" size. This bedding shall extend from 6" below the pipe to 8" inches above the top of the pipe.
- 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.
- All streets must meet the specifications and installation requirements of the City of O'Fallon.
- All sanitary manhole tops shall be set 0.2' higher than the proposed ground except in pavement areas or as otherwise noted.
- All sanitary manholes shall have a 31 mil. thick coat of coal tar pitch waterproofing.
- All sanitary service lines shall have a 6" diameter for Multi-family and a 4" diameter for Single-family developments.
- Manhole frame and cover shall be Clay and Bailey No. 2009 for Neenah R-1736 or Deeter 1315 or approved equal.
- The Duckett Creek Sewer District shall be notified at least 48 hours prior to construction of sanitary sewers for coordination and inspection.
- All existing improvements damaged or destroyed during construction shall be replaced or repaired in kind.
- Brick shall not be used on manholes.
- This tract is served by:
 - Union Electric
 - Cottleville Fire Protection Dist.
 - Southwestern Bell Telephone
 - St. Charles Gas Co.
 - Duckett Creek Sewer Dist.
 - St. Charles Co. Water Dist. No. 2

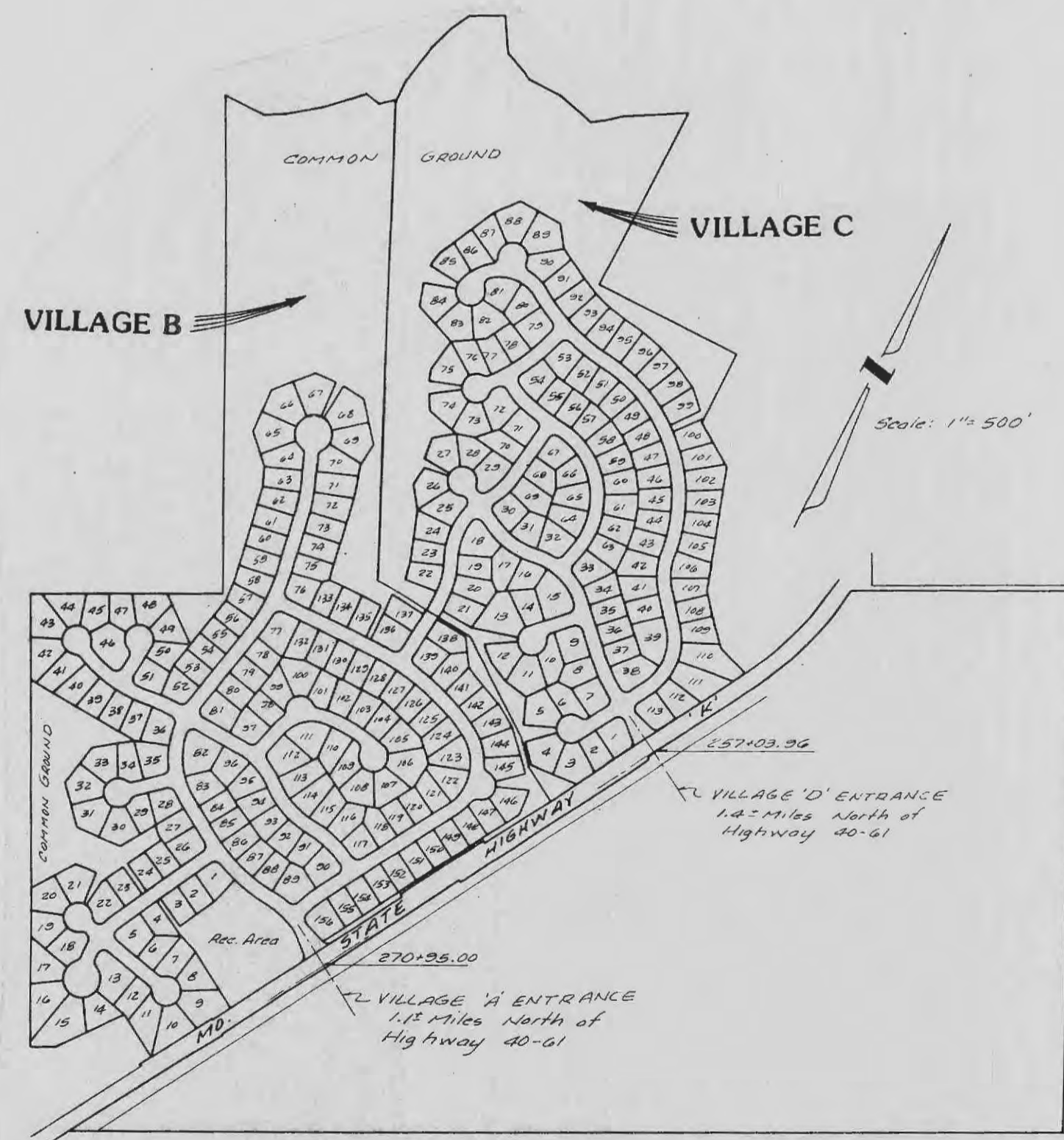
Benchmark

ORF TRI. STA., 3.5 MI. S.W. OF O'FALLON, 0.5 MI. N.E. OF DARDENNE CHURCH, IN CONC. POST-U.S.C.&G.S. STD. DISK STAMPED "ORF 1931" Elevation 667.596

MONTICELLO VILLAGE B



Location Map



Key Map

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| Sheet | Description |
|-------|-------------------------|
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| 24-26 | Water Layout |
| 27-31 | Construction Details |

Legend

| | | | |
|--|---------------------------------|--------|---------------------|
| | Sanitary Sewer (Proposed) | C.I. | Curb Inlet |
| | Sanitary Sewer (Existing) | D.C.I. | Double Curb Inlet |
| | Storm Sewer (Proposed) | G.I. | Grate Inlet |
| | Storm Sewer (Existing) | A.I. | Area Inlet |
| | Water Line & Size | D.A.I. | Double Area Inlet |
| | Tee & Valve | C.C. | Concrete Collar |
| | Hydrant | F.E. | Flared End Section |
| | Cap | E.P. | End Pipe |
| | Lot or Building Number | E.D. | Energy Dissipator |
| | Existing Fence Line | M.H. | Manhole |
| | Existing Tree Line | C.P. | Concrete Pipe |
| | Street Sign | R.C.P. | Reinforced Concrete |
| | Direction of Proposed Residence | C.M.P. | Corrugated Metal |
| | Existing Contour | C.I.P. | Cast Iron Pipe |
| | Proposed Contour | P.V.C. | Polyvinyl Chloride |
| | Grouted Rip-Rap | V.C.P. | Vitrified Clay Pipe |
| | End of Lateral | C.O. | Clean Out |
| | Asphalt Pavement | V.T. | Vent Trap |
| | Concrete Pavement | | |
| | Storm/Sanitary Structure | | |
| | Test Hole | | |
| | Power Pole | | |
| | Light Standard | | |

APPROVED

CONTINGENT UPON DUCKETT CREEK AND WATER DISTRICT NO.

3/13/89

FRANK GODWIN

G.B.A. COPY

Rev. 3-7-89 per W.D. #2, City of O'Fallon & Duckett Creek

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authorized 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 reauthorized.

PICKETT, RAY & SILVER, INC.
PICKETT, RAY & SILVER, INC.
RAY
PICKETT
SILVER
I 14395
Signature: [Signature] Date: 2-89

PICKETT RAY & SILVER

Civil Engineers Planners Land Surveyors 333 St. Peters 441-12

PREPARED FOR: WHITTAKER HOMES Phone: (314) 235-0641
355 Mid Rivers Mall Drive St. Peters MO. 63376

DRAWN: DW/D DATE: Feb, 1989
CHECKED: JWE DATE: Feb, 1989

FIELD BOOK PROJECT # 85-0641 JOB ORDER # 2875

REVISIONS

PROJECT DESIGNER