

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 limits (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-1557) 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 5/8" and 1" size. This bedding shall extend from 6" below the pipe to 6" 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. 2008 for Neenah R-1236 or Deeter-1311 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

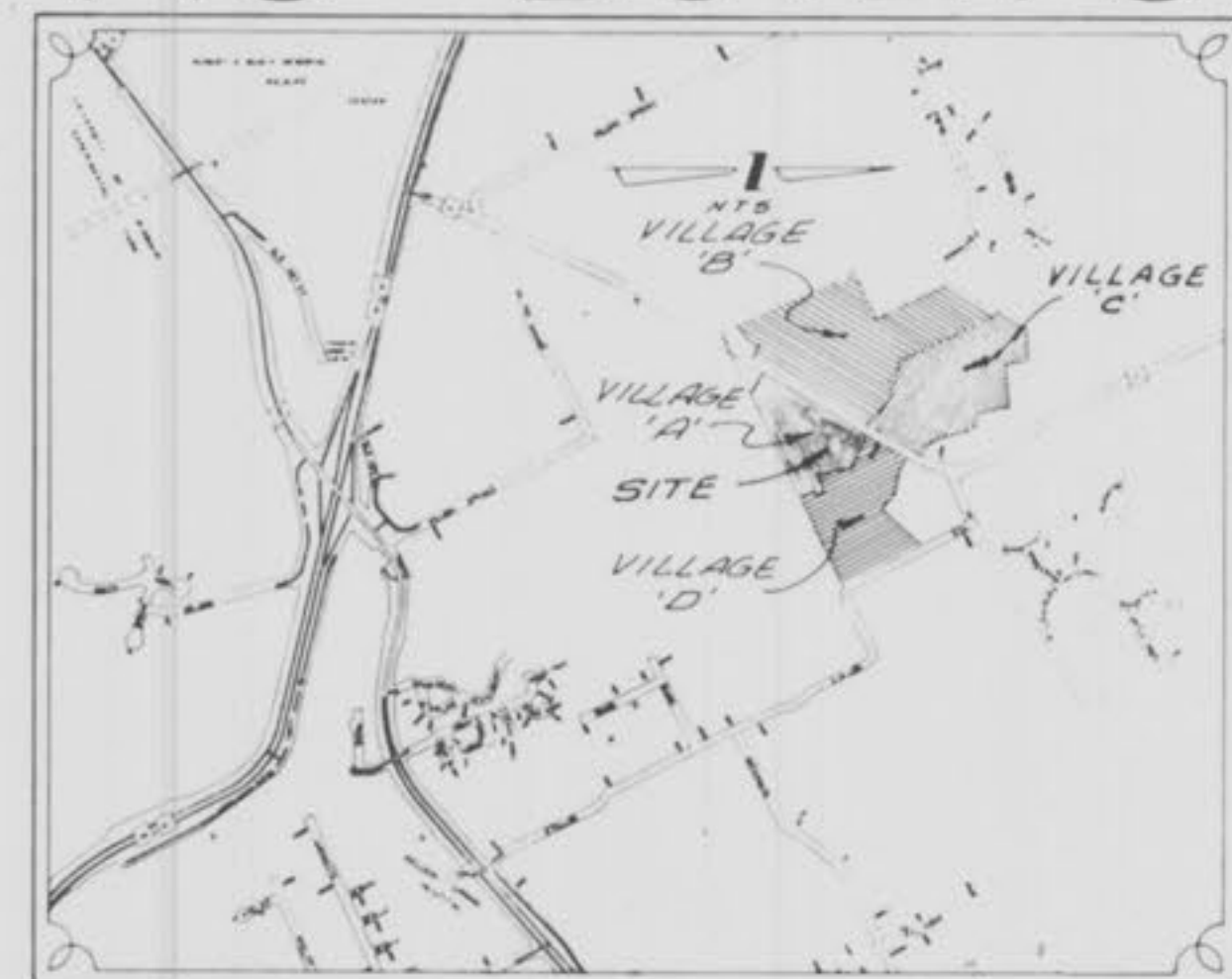
This is to certify to Duckett Creek Sewer Dist. that these "As-Built" Storm Plans are based on actual field surveys conducted during June, 1992 and the results are shown here on.

by Pickett Ray & Silver

Delmar F. Vincent
MO R.L.S. No 1869

Date

MONTICELLO VILLAGE A "AS-BUILTS"



Location Map



Key Map

8-17-92 "AS-BUILTS"

3-18-92, DWD, 81.4-7 per O'Fallon

3-12-92, DWD, per City of O'Fallon

3-8-92, DWD, per Duckett Creek

3-8-92, DWD, per City of O'Fallon Comm.

REVISIONS

PROJECT DESIGNER

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11-12	DRAINAGE AREA MAPS
13-14	WATER MAIN LAY-OUTS
15-19	CONSTRUCTION DETAILS

Legend

[Symbol]	EXISTING MONTICELLO VILLAGE 'C'
[Symbol]	EXISTING MONTICELLO VILLAGE 'B'
[Symbol]	EXISTING MONTICELLO VILLAGE 'D'
[Symbol]	RECREATION AREA
[Symbol]	FUTURE DAY CARE
[Symbol]	COMMON GROUND
[Symbol]	VILLAGE 'A' ENTRANCE
[Symbol]	1.15 MILES NORTH OF HIGHWAY 40-01

ENGINEERS AUTHENTICATION

PICKETT RAY & SILVER

Civil Engineers
Planners
Land Surveyors

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St. Peters, MO 63376
417-279-1511

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St. Peters MO. 63376

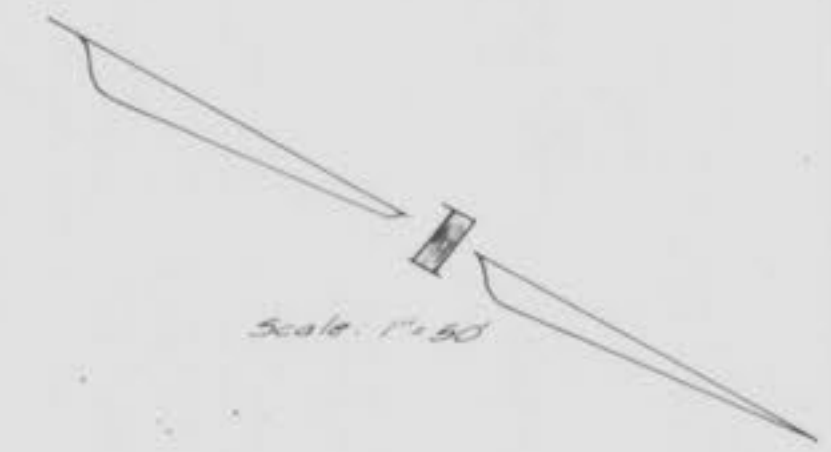
DRAWN: DWD DATE: Feb. 1992
CHECKED: JLC DATE: Feb. 1992

FIELD BOOK: 416K PROJECT: 85-064-U
JOB ORDER: 24632

STATE OF MISSOURI REGISTERED PROFESSIONAL ENGINEER
RAY PICKETT No. 14395

95. All sanitary sewer manholes shall be waterproofed on the exterior in accordance with Missouri Department of Natural Resources specification 10-CSR-8.120 (7)(E).

Rev. 3-5-92 per Duckett Creek, DWD
 Rev. 3-12-92 per City of O'Fallon, DWD
 Rev. 3-23-92, same block updated, DWD
 8-17-92 As-Built



NOTE: SHADED "BALLOONS" INDICATE "AS-BUILT" STRUCTURES

Prop. N/F Frerichs, Eugene



NOTE: SHADED "BALLOONS" INDICATE "AS-BUILT" STRUCTURES

GENERAL NOTES

- "□" on conc. abut. of bridge "I-15"; North end of West abut. over Dardenne Creek, 16' right of station 220+25 of Missouri State Highway "K". MSHD Elevation = 487.48; USGS Elevation = 487.07. This project is based on USGS elevations, therefore, all elevations must be raised 0.41' when relating to Missouri State Highway plans.
- Upon completion of Highway "K" roadway improvements, developer's contractor will remove any existing striping on Route "K". Said removal will be coordinated with the Missouri State Highway Department so that developer's contractor can stripe new lines on the same day that developer's contractor removes them.
- Temporary entrance pavement to be 8" rolled stone base or 6" Type X (black base), 3" asphalt top (Type C), machine laid asphalt curb (6" vertical).
- All entrances shall meet the specifications and installation requirements of the City of O'Fallon and the Missouri Highway and Transportation Department.
- Highway "K" widening pavement shall be 4" rolled stone sub base, 6" Type 'X' asphalt base, 3" Type 'C' asphalt top.
- See Detail Sheet 19/19 for cross section of proposed Highway "K" improvements at proposed entrance.
- All lots are to be accessed through interior subdivision streets. No house is to face Highway "K".
- All rounding radii at intersections and cul-de-sacs are:
 Right-of-Way: 25' Radius
 Pavement: 37' Radius
- All cul-de-sac radii are:
 Right-of-Way: 52' Radius
 Pavement: 40' Radius

NOTE:
 Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction.

27/19

SEE SHEET 3 OF 19

FLAT PLANS
MONTICELLO - VILLAGE A

February, 1992 85-064U

Rev. 3-5-92 per Duckell Creek, DWD
Rev. 3-12-92 per City of Dallas, DWD
Rev. 3-24-92, Conc. Swales, DWD
8-17-92 As-Builts
12-29-92 As-Builts (MHs 400-402)

Scale 1"=50'

SEE SHEET 2 OF 19



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3/7/92

SCALE
 HORIZ: 1" = 50'
 VERT: 1" = 10'

DATE
 BY
 SURVEY
 PLOTTED
 TEMPLATE
 NOTE BOOK
 AREA
 NO. CHECKED

DATE
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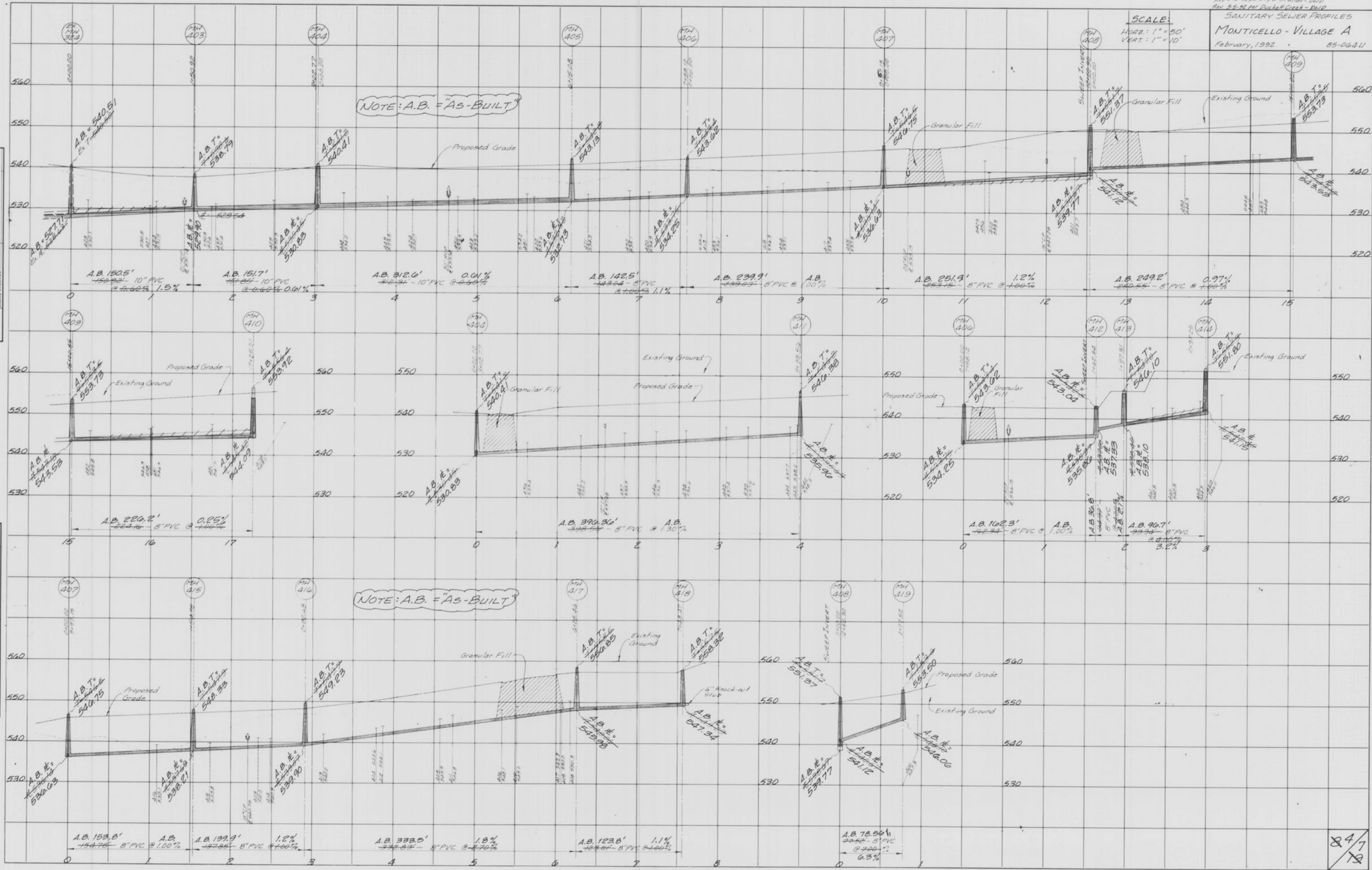


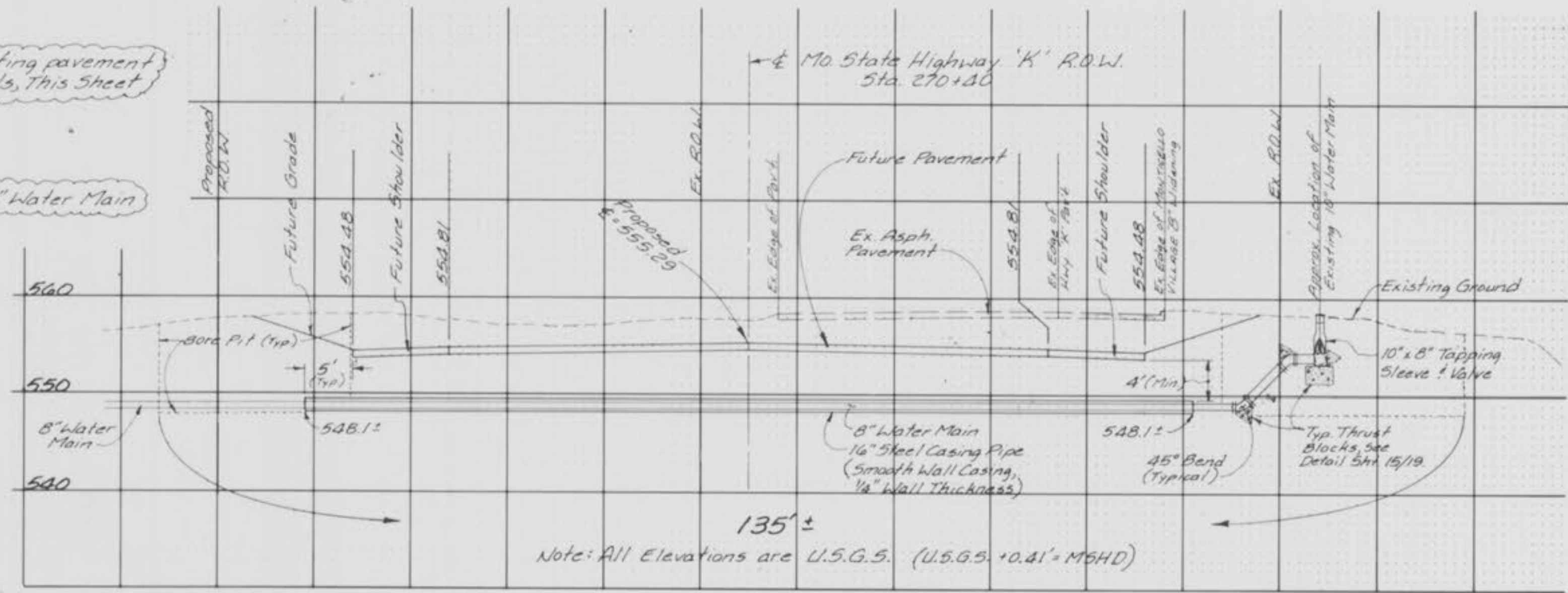
PLATE 3-FULL CROSS SECTION LINE & DOT
 PRINTED IN U.S.A.

847
 18

GENERAL NOTES

1. Water lines are to be located 2 feet inside right-of-way line.
2. Fire hydrants are to be located 2 feet from back of curb of proposed pavement (10 feet inside of right-of-way line).
3. See Sheet 15/19 for construction details and specifications.

SCALE: 1" = 50'



GENERAL NOTES

1. Any areas within the State right-of-way disturbed during construction shall be replaced to the original condition by the Contractor.
2. Any right-of-way markers destroyed during construction shall be replaced on the Contractor's expense.
3. The Contractor shall give officials of Missouri State Highway Department adequate notice of the anticipated time and duration of the crossing.
4. Exterior of steel casing pipe shall have 2 coats of heavy coal tar base at 15 mils dry thickness per coat. Interior of pipe shall have coal tar lining AWWA C203.
5. Steel casing pipe shall be ASTM A139, Grade A pipe. All joints shall be welded.

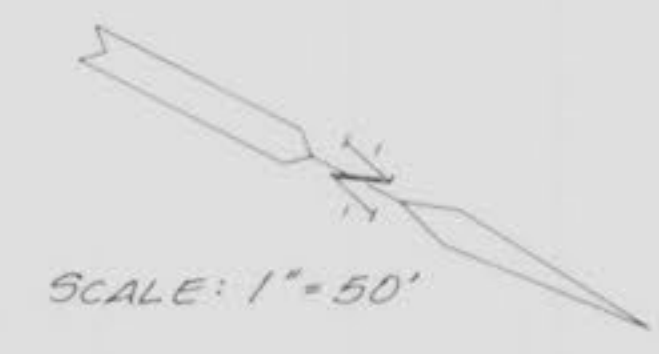
SEE SHEET 14 OF 19

"AS-BUILTS" FOR WATER MAIN CONSTRUCTION ONLY

130/7/19

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