

**GENERAL NOTES**

- Underground utilities have been plotted from available information and therefore their locations shall 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 any grading or construction of the improvements.
- No area shall be cleared without the permission of the Project Engineer.
- The City of O'Fallon shall be notified 48 hours prior to construction for coordination and inspection.
- All existing site improvements disturbed, damaged or destroyed shall be repaired or replaced to pre-construction conditions.
- The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer system and water system.
- All construction and materials shall conform to the current construction standards of the City of O'Fallon. Where conflicts exist, the contractor shall notify the Engineer for resolution.
- All construction methods and practices shall conform with current OSHA, and/or all applicable standards.
- Siltation control may be required per engineer. All siltation control shall be considered incidental to mobilization. Best Management Practices (BMP) shall be adhered to including all rules and regulations of MDNR and City of O'Fallon.
- Contractor shall take precautions to avoid damaging trees designated to be used in place (UIP).
- All storm or sanitary pipes to be removed and replaced, shall be installed at the same elevation of the existing pipe prior to removal to ensure positive drainage.
- Engineer shall verify location of all driveway sawcuts prior to cutting.
- Granular fill shall be placed above all utilities and under pavement.
- Topographic survey performed by:  
Desain Surveying  
4135 Mexico Road  
St. Peters, MO 63376  
(636) 498-2641

**WATER NOTES**

- Pipes shall be laid with class B bedding, unless otherwise noted.
- All water lines shall be laid at least 10 feet horizontally, from any sanitary sewer, storm sewer, or manhole. 18" vertical clearance from outside of pipe to outside of pipe shall be maintained wherever water lines must cross sanitary sewers or laterals. The water line shall be laid at such an elevation that the bottom of the water line is above the top of the drain or sewer unless otherwise noted. A full length of water pipe shall be centered over the sewer line to be crossed so that the joints will be equally distant from the sewer and as remote therefrom as possible. This vertical separation shall be maintained for that portion of the water line located within 10 feet horizontally, of any sewer or drain it crosses.
- All PVC water pipe shall conform to A.S.T.M.-D-2241, SDR 21 Standard Specification for P.V.C. Pressure Pipe, 200 P.S.I. working pressure for water, with approved joint.
- Water lines, valves, sleeves, meters, and fittings shall meet all specifications and installation requirements of the City of O'Fallon and Alliance Water Resources.
- All water hydrants and valves shall be ductile iron and installed in accordance with plans and details. All ductile iron pipe for water mains shall conform to A.W.W.A. Specifications C-106 and/or C-108. The ductile iron fittings shall conform to A.W.W.A. Specification C-110. All rubber gasket joints for water ductile iron pressure pipe and fittings shall conform to A.W.W.A. Specification C-111.
- The City of O'Fallon shall be notified 48 hours prior to construction for coordination and inspection.
- Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing or proposed sanitary or storm sewers, including house laterals.
- Contractor shall not exceed 3 degree deflection angle within joint.
- The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing water system. Contractor shall be responsible for cleaning and removal of all debris within pipe.
- 42" minimum cover shall be maintained over all water lines.
- All pipe deflection angles of 11.25 deg. or greater shall have thrust blocking and/or restrained joints.
- Minimum 18" clearance shall be maintained at all sanitary sewer crossings, and a minimum of 12" clearance shall be maintained at all storm sewer crossings.

**DEMOLITION NOTES**

- Contractor shall remove and dispose of all asphalt, concrete, rock, building materials, and all other debris at an approved landfill in accordance with all rules and regulations, including Missouri Department of Natural Resources (MDNR), St. Charles County, and the City of O'Fallon.
- Contractor shall remove all rock base when removing pavements.
- Sawcuts shall be considered incidental to removals.
- Limits of removal & replacement shall be as directed by engineer.

**STRIPING NOTES**

- Existing striping shall be removed as shown on plan and as directed by the Engineer.
- Contractor shall paint all striping. See specification for type of paint.
- Striping and pavement markings shall be in accordance with the current edition of the "Manual on Uniform Traffic Control Devices" (MUTCD) and current ADA standards.

**SOD / SEED AND MULCH NOTES**

- Contractor shall sod all disturbed areas, except where other improvements are shown, along Highway M/Main Street.
- Contractor shall seed and mulch all disturbed areas, except where other improvements are shown, along Highway 79 and Firma Road.

**Control Points:**

**USGS Benchmark:**

E-149 - The station is a USC&GS brass vertical mark disk stamped "F-149 1935" set in a 6 inch square concrete monument, projecting about 2.5 inches above the ground surface.  
Elevation=542.80

**Horizontal & Vertical Control:**  
(as shown on project with 3 point ties.)

15799 - Cut Cross on east side of Main Street, south of the intersection of Tom Ginnever Drive and Main Street. Elevation=526.05  
Northing=1088047.1804  
Easting=763378.6934

17272 - 60-D Nail in grass on east side of Main Street, south of the intersection of Main Street and Morningside Lane. Elevation=514.33  
Northing=1089120.0986  
Easting=763378.0726

21246 - 60-D Nail in grass on west side of Main Street, north of the intersection of Main Street and Hwy P/Pieper Rd. Elevation=492.48  
Northing=1091197.5349  
Easting=763318.5772

23237 - PK Nail on east side of Main Street.  
Elevation=479.14  
Northing=1091849.7321  
Easting=763413.7213

41291 - 60-D Nail in grass on north side of Firma Road. Elevation=440.86  
Northing=1097263.9665  
Easting=764834.6481

41904 - PK Nail in asphalt pavement on north side of Firma Road. Elevation=442.66  
Northing=1096923.2334  
Easting=764178.4848

42262 - PK Nail on west side of Hwy 79, south of the intersection of Hwy 79 and Main Street.  
Elevation=456.93  
Northing=1095726.7622  
Easting=764645.6293

43797 - PK Nail on north side of Main Street.  
Elevation=468.63  
Northing=1095349.3992  
Easting=763814.9598

44000 - 60-D Nail in grass, north of the intersection of Main Street and Old Hwy 79. Elevation=471.75  
Northing=1094921.4573  
Easting=763451.0252

44522 - PK Nail in asphalt pavement on east side of the intersection of Old Hwy 79 and Main Street.  
Elevation=470.94  
Northing=1094634.9775  
Easting=763481.2340

MAIN STREET TRANSMISSION MAIN

NOTES

CITY OF O'FALLON  
COMMUNITY DEVELOPMENT  
DESIGN DIVISION  
O'FALLON, MISSOURI



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SEAL

DESIGNED: ERB  
CHECKED: CEM  
DATE: 12/05/02  
PROJECT NO.: 01-067

SHEET

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