

UTILITY NOTES:

WATER LINE NOTES:

- Fittings are called out on the plans for information only. Unless specifically listed on the bid form as a bid item, all fittings are incidental to the work, and their cost shall be included in the cost of the pipe. Any sections of line between fittings at connections and not specifically called by footnote on the plans are also incidental. The Contractor shall be responsible for any additional fittings and pipe length required to maintain 42" minimum cover over the water main.
- The Contractor may adjust the horizontal location of the waterline 1'-2" throughout the project to avoid conflicts. When crossing over existing structures, the Contractor shall use care to prevent damage to existing structures. If damaged, the Contractor shall replace the structure with like material at the Contractor's expense.
- The Contractor shall maintain 10' horizontal and 18" vertical separation between water line and existing/proposed gas lines, and sanitary or storm sewers.
- ABANDONED LINE VERIFICATION:** Where old water lines are to be abandoned, complete disconnection of the old line shall be verified as follows:
 - During reconnection of services, at least one old service line per 1000 L.F. shall be prepared for testing by leaving the stub attached to the old water line and bringing the free end of the stub to the surface. A valve shall be installed and closed to prevent flow from the old service stub.
- Upon completion of all reconnection activities and abandonment activities, the valve on the stub connected to the abandoned line shall be opened and observed to verify that no flow is present.
- If flow is present, the Contractor shall locate the remaining connection(s) to the abandoned line, disconnect and cap them, and retest until no flow is present.
- Abandonment verification is incidental to water line construction.
- Fire line, including hydrants, shall be installed, tested, & energized before constructing any part of the building.

SITE UTILITY NOTES:

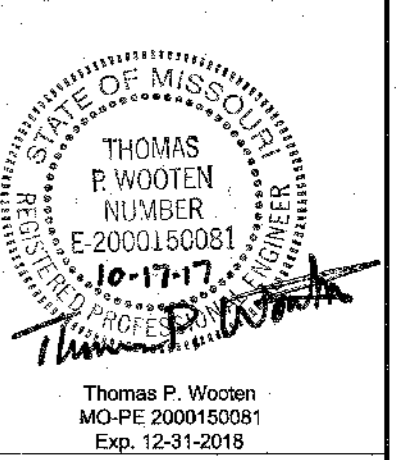
- Location of all site utilities shall be verified by Contractor and the proper utility company providing service.
- Utility Contractor will be responsible for all top and tie on fee required.
- Contractor shall coordinate installation of all utilities with the corresponding utility company providing service.
- All PVC conduit shall be schedule 40 with long sweeps only (36" minimum radius) and contain pulltape, unless otherwise noted.
- All underground utility conduits shall be placed 48" below finish grade unless noted otherwise.
- All water and sanitary leads to building shall end 5' outside the building limits as shown on the plan and shall be provided with a temporary plug at end.

KEY NOTES:

- Minimum of 18" Vertical Clearance between Utilities
- Minimum of 10' Horizontal Clearance between Utilities

GENERAL NOTES:

- Contractor Shall Notify City of Columbia Water & Light Before Cutting Street. Hot tap to existing 8" PVC water main by City. Contractor Responsible For Installation Costs And Tapping Fees.
- Waterline to be Constructed and Tested in Accordance to City of Columbia Water/Light Specifications
- Fire Line, including Hydrants, Shall be Installed, Tested, and Energized Before Constructing any Part of the Building Above the Slab
- Concrete Joint Locations Shown on Sheets Delimited C0.0X.
- Sanitary Sewer Connection to be Constructed in Accordance with City of Columbia Public Works Specifications
- All Proposed Sanitary Sewer Lines Are Private.



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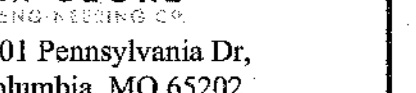
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STRUCTURAL ENGINEER



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Exp. December, 31 2018

City of Columbia Parks and Recreation Department
Clary Shy Agriculture Park
1751, 1769, & 1857 WEST ASH ST
COLUMBIA, MO 65203

ISSUE FOR PERMIT	
October 19, 2017	DATE
REVISION	DATE

SITE UTILITY PLAN

C0.06

SOA PROJECT 16052

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