

33 00 00 – UTILITIES

SECTIONS INCLUDED:

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SITE UTILITIES

- Most utilities on campus are University owned. Coordinate all details with the owner.
- Prior to any excavation, all contractors shall be required to call the utility Notification Center of Colorado 1-800-922-1987. Facilities Management is a member and will be notified directly by the UNCC.
- New underground utilities shall be installed perpendicular or parallel to streets, walks and building lines wherever possible.
- Provide 16 ga. Tracer wire for all non-metallic piping and irrigation main lines. Terminate as directed by the Owner.
- Domestic water mains shall have a shut off valve provided at all points of take off from mains. Valves to be CCW to open.
- Domestic water mains shall be ductile iron or type “K” copper. C900 okay with prior approval by Utility Systems Manager. PVC mains are not permitted.
- All main water services shall be protected by an approved reduced pressure type backflow preventor sized for full building demand. This assembly shall also include 1” bypass with a reduced pressure type backflow preventor.
- All water and irrigation service to be metered. Water Mains should be tied into Building Automation System. See 23 09 00 for more information.
- Fire hydrants shall be purchased from the City of Greeley Water Department.
- Provide a concrete collar at all water valve boxes.
- Most buildings will be required to be connected to the campus tunnel system. The tunnels generally contain high temperature hot water mains, video cabling, telephone and data systems.

- Telephone and Data systems will be connected to the campus fiber optic backbone. Fiber optic cabling will generally need to be extended to McKee Hall on West Campus or Carter Hall on Central Campus. In some cases, copper telephone backbone cabling will need to be extended to Carter Hall. Point of connection will be determined for each facility. The Telecommunications Wiring Specifications are included in Division 27. All telecommunications system must be coordinated with the UNC Information Technology Department.
- High voltage systems shall be in concrete encased underground duct banks with above ground switches and transformers. Underground vault mounted switches will be considered for certain locations but must have prior approval from Facilities Management.
- All utility interruptions shall be coordinated through Facilities Management. Provide a minimum of 72 hours advance notice of desired shut-downs. Provide two weeks advance notice whenever possible. Most outages will need to be performed outside of normal working hours.