

Legislative Information Office, Anchorage, AK
Concept Civil Narrative
07/03/2013

CIVIL NARRATIVE

The proposed project is located within Municipality of Anchorage Grid SW1230 and will occupy Lots 3A and Lot 2 W39.5', Block 40, Original Subdivision. The properties are zoned B2B by the MOA. The two lots combined are approximately 0.71 acres and are currently occupied by a restaurant/bar, 7-story building, and a two-level parking area. As part of this project, the two lots will be combined, the restaurant demolished, and the 6-story office building remodeled and expanded.

It is expected that construction of the new Legislative Information Office (LIO) will also include major sidewalk and alleyway improvements.

Site Demolition

Site preparation will include the following:

- Complete demolition of the existing Anchor Pub, with exception of the east wall.
- Approximately 1,800 sf existing sidewalk along 4th Avenue.
- 2,000 sf existing asphalt in alleyway.

Excavation and Backfill

The existing foundation material is suitable for foundation support. Excavation and backfill will follow the recommendations of the geotechnical report that is being prepared for this project by Northern Geotechnical Engineering – Terra Firma Testing.

Water Service

An 8" cast iron pipe (CIP) water main is located in the alley to the south of the properties, approximately 10-feet below the road surface. An existing 6" DIP water service extends into the alley behind the LIO. An existing 4" CIP water service connects the Anchor Pub to the 8" water main in the alley. Both existing services will be abandoned at the main.

A new 6" water service will be connected to the 8" service line entering the new addition. All water system components will be based on the Municipality of Anchorage Standard Specifications and Details.

Water system improvements required for this project will likely include the following:

- Abandon the existing water service connections to the main.
- Installation of 12 lf new 8" service connection to the 8" cast iron main.
- Installation of a new Private Fire Hydrant on property. NFPA requires that the FDC is located less than 100' from the nearest fire hydrant.
- Installation of 10.5 lf new 6" water service from the hydrant leg to the structure.

Sanitary Sewer Service

An existing 12" Vitrified Clay (VC) sanitary sewer main is located in the alley, at approximately 8 to 10-feet below grade. AWWU is planning to upgrade the existing sewer pipe in the fall of 2013 using a Cured In Place Pipe (CIPP) rehabilitation method. Coordination with AWWU will be required to inform them which connections will need to be reestablished. All wastewater from this area is treated at the John M. Asplund Wastewater Treatment Facility in Anchorage. All sanitary sewer system components will be based on the Municipality of Anchorage Standard Specifications and Details.

Sewer system improvements for this project will likely include the following:

- Install 4' diameter sewer control manhole on property in loading area.
- Install approximately 28 LF of 6" PVC sewer service.

Storm Water System

Currently, storm water is collected on the roofs of the existing structures and directed to the municipal storm drain system via roof drains.

- Verify current roof drain location and size.
- If size and location is acceptable, connect new structure roof drains to existing roof drain.
- If the size and location of the existing roof drain piping is not acceptable, install an additional 125 lf 12” CPEP in the alleyway and a1 Type 1 Manhole near the south west corner of the LIO. Connect new roof drain to the new manhole.

Site Access

The property will be easily accessible to pedestrians, bicyclists, automobiles, and service/ emergency vehicles. The existing surface lot and underground parking are to remain. Sidewalk and alleyway improvements are planned along 4th Avenue and in the alley to the south of the properties. A loading area is planned on the south side of the building adjacent to the alley to accommodate truck loading, dumpsters and an emergency generator.

Site Access improvements for this project will likely include the following:

- 1,000 sf of heated sidewalk along 4th Avenue
- 2,000 sf asphalt replacement in alley

Geotechnical Considerations

A subsurface investigation of the project site by Northern Geotechnical Engineering – Terra Firma Testing is underway. Four borings are to be drilled and samples taken from various depths to classify the surrounding soils. A geotechnical report will be prepared which will include recommendations for the following:

- Excavation & Fill Placement
- Utilities
- Pavement
- Foundation Design

Required Development Permits

The following is a list of development permits that most likely will be required from the Municipality of Anchorage to construct the new LIO Development.

- Municipality of Anchorage (MOA) Right-of-Way Permit
- MOA Storm Water Site Plan Review
- MOA Grading, Excavation, and Fill Permit
- MOA Building Permit
- AWWU Private System Water & Sewer Service Permits