

History of Murdock Mill Creek

Murdock Mill Creek (pre-1945)

1890:

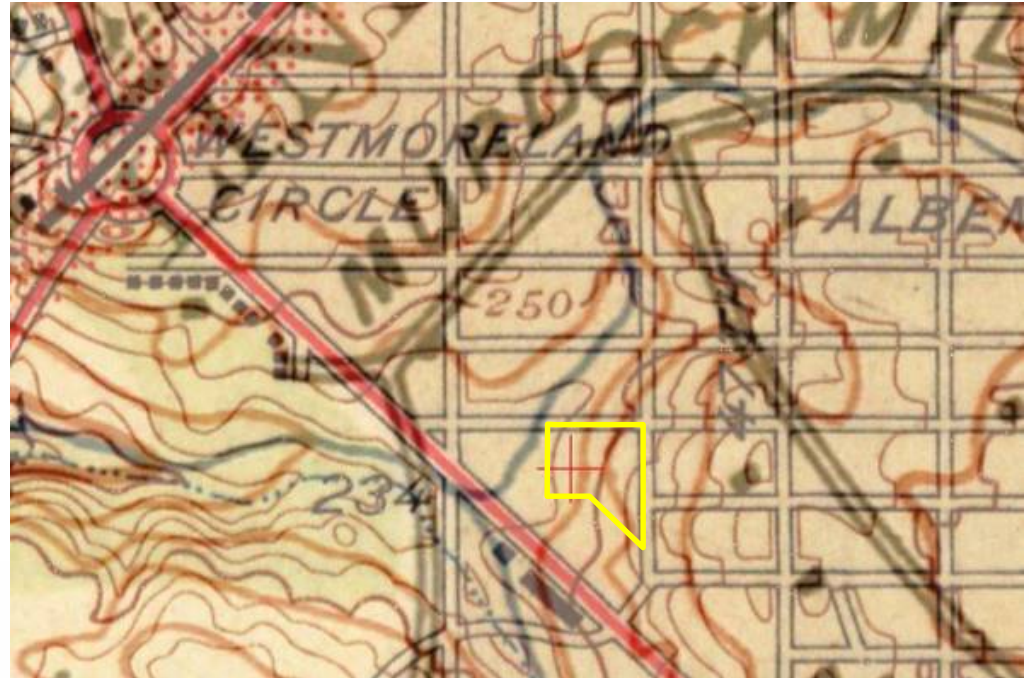
- Murdock Mill Creek shown to the northwest of Subject Property

1900-1945:

- Street network established

1937:

- 7'9" storm sewer constructed under Alton Place appears to have enclosed pre-existing Murdock Mill Creek



Sources

Historical Mapping: USGS Historical Topographic Map Explorer (<http://historicalmaps.arcgis.com/usgs/>)

DC Water Records

Murdock Mill Creek (1946-1958)

1951:

- Urbanized development increases. Murdock Mill Creek no longer identified as an open channel waterway

1958:

- 78" storm sewer under Yuma Street installed presumably for added relief due to increased volume and rate of runoff
- Off-site, pre-existing "stream channel" was filled in (both on the adjacent property and upstream) with urban development



Sources

Historical Mapping: USGS Historical Topographic Map Explorer
(<http://historicalmaps.arcgis.com/usgs/>)

DC Water Records

Murdock Mill Creek (1958-1983)

1983:

- USGS Map shows the current urban/developed condition
- Natural stream channel identified west of Massachusetts Avenue, which is consistent with current conditions



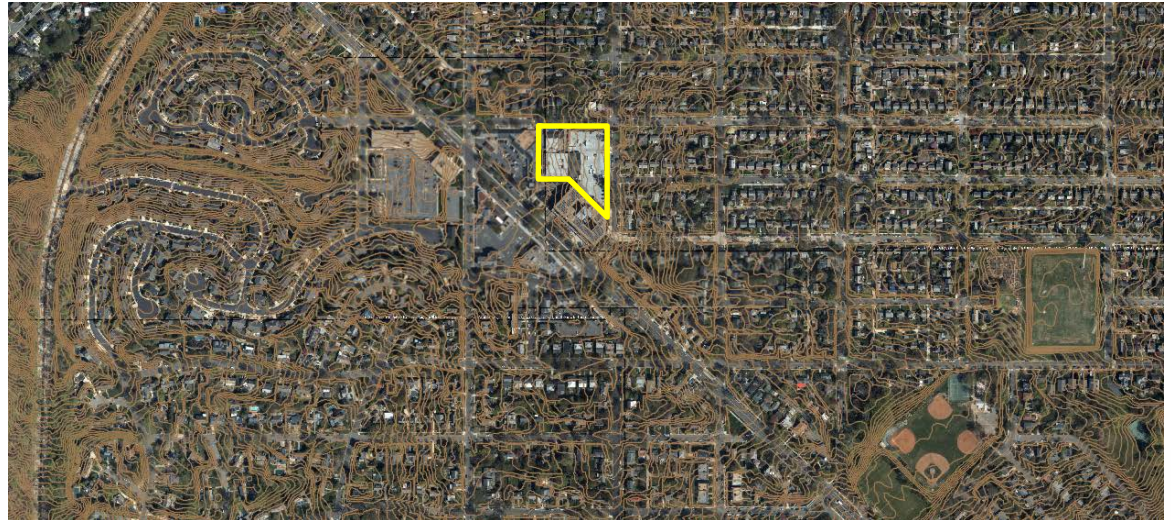
Sources

Historical Mapping: USGS Historical Topographic Map Explorer
(<http://historicalmaps.arcgis.com/usgs/>)

Murdock Mill Creek (1984-)

2018:

- The storm sewers in Alton Place and Yuma Street are collected in a 6'x9' sewer in 49th Street. This sewer transitions into twin 7'x8' storm sewer pipes before discharging into the remaining “natural” stream channel west of Massachusetts Avenue.
- There is no longer a “natural” stream channel (or Waters of the U.S.) either on the Property itself or the adjacent property, or even upstream in the watershed feeding into the underground storm sewer network.
- All surface runoff was collected and routed in the underground storm sewer network to outfall into the offsite “natural” stream channel, which would be considered the limit of Waters of the U.S. at this outfall.



Sources

District of Columbia GIS

ARCGIS Imagery

Conclusion

- All historic records indicate that Murdock Mill Creek has never existed on the Subject Property.
- The original stream (just north of the Subject Site) was relocated and enclosed underground in a closed, storm sewer pipe over 80 years ago.
- Any resulting impacts from realigning and undergrounding the stream will have occurred long ago.
- Specifically, this proposed project will have no impact as it relates to Murdock Mill Creek or the existing storm sewer system.



Sources

Photo: *Streets Through Time and Place* (Flanagan, 2009)
<http://tsarchitect.nsflanagan.net/?p=142>

RS-21-22



TU-19-20

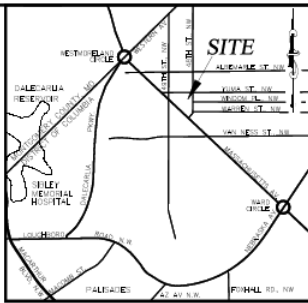
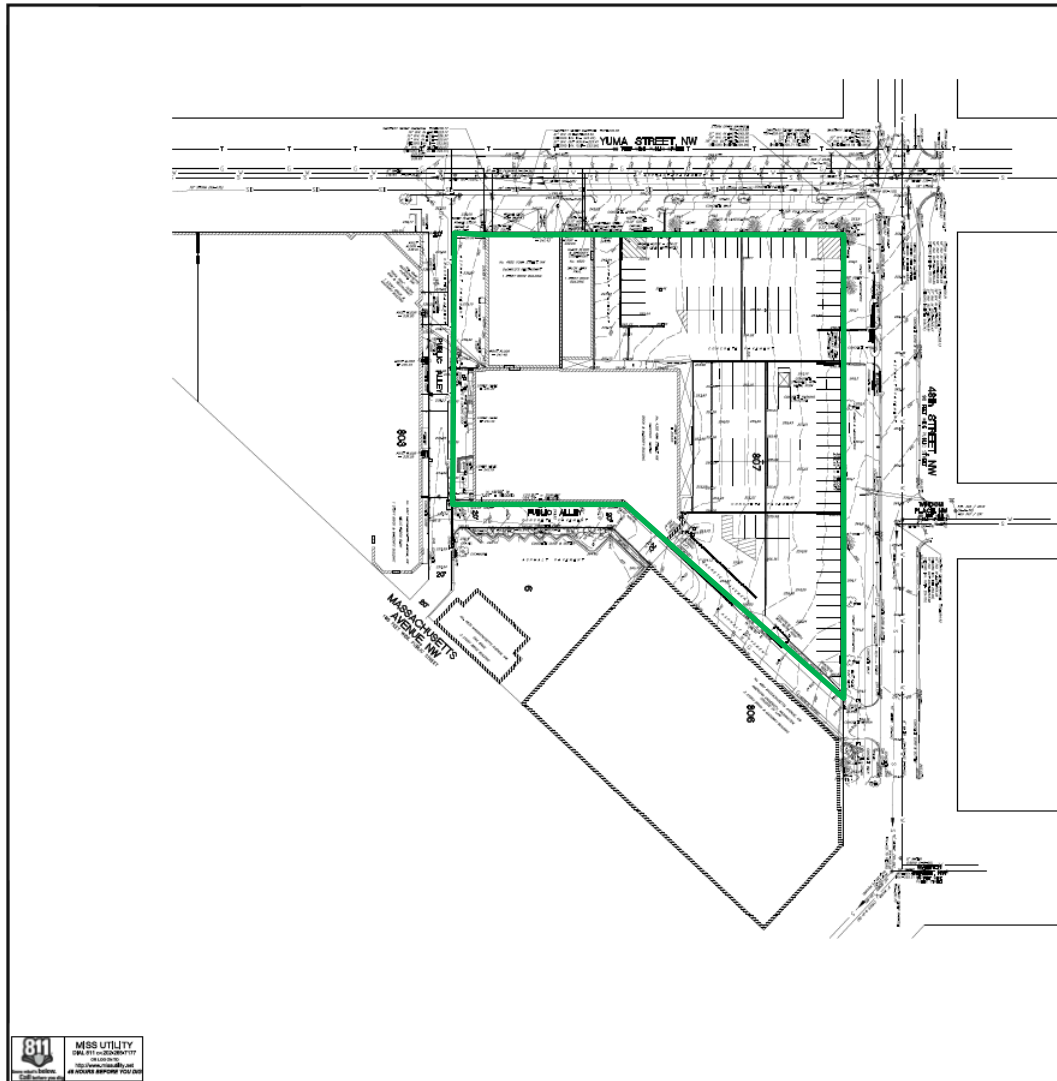
PQ-19-20

RS-17-18

49 RS 19-20 N.W.

Sources

DC Water Records



LEGEND - EXISTING
