

River Oaks Rechlorination Station/Country Meadows Water Main Extension

Project Description:

- Fox & Associates, Inc. performed all site surveying and Civil Site Engineering Services for the construction of 450 G.P.M. reclamation station and the construction of 2,500 linear feet of 24 inch water main to serve County Meadows, a new 440 bed-assisted Living Facility. The domestic demand from River Oaks and County Meadows was inadequate to provide 72 hour turnover in the nearly one mile long "dead end" water main which necessitated the need for rechlorination.
- Fox services included close coordination with McCrone for site plan preparation as well as submission of the site plan to Frederick County Planning Commission and the State of Maryland Department of Health & Hygiene for review and approval. The water main design included design of a crossing of the Monocacy River. Our design included a phased design using "coffer dams" for dewatering for construction in open trenching of the River bottom. Fox also obtained the MDE / ACOE permits required for the in-stream and floodplain construction.
- three culverts at Limit Creek, the middle culvert was constructed at an elevation one foot lower than the outer culverts to allow siltation for improved fish passage. Maryland Department of Environment and U.S. Corps of Engineer permits were obtained for all stream and floodplain construction.

Participants / Reference:

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