



P.O. Box 8
856 North River Road
Mt. Crawford, VA 22841

MEMORANDUM

TO: Project File

FROM: Sharon G. Foley, Executive Director

A handwritten signature in black ink that reads "Sharon G. Foley".

SUBJECT: Emergency Procurement, Auxiliary Biosolids Storage Pad

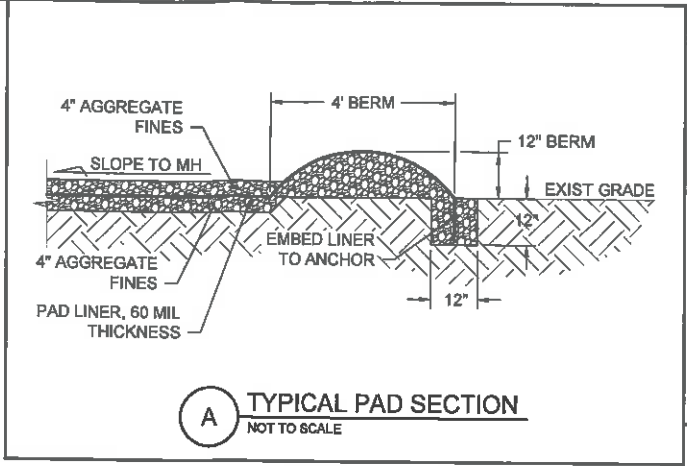
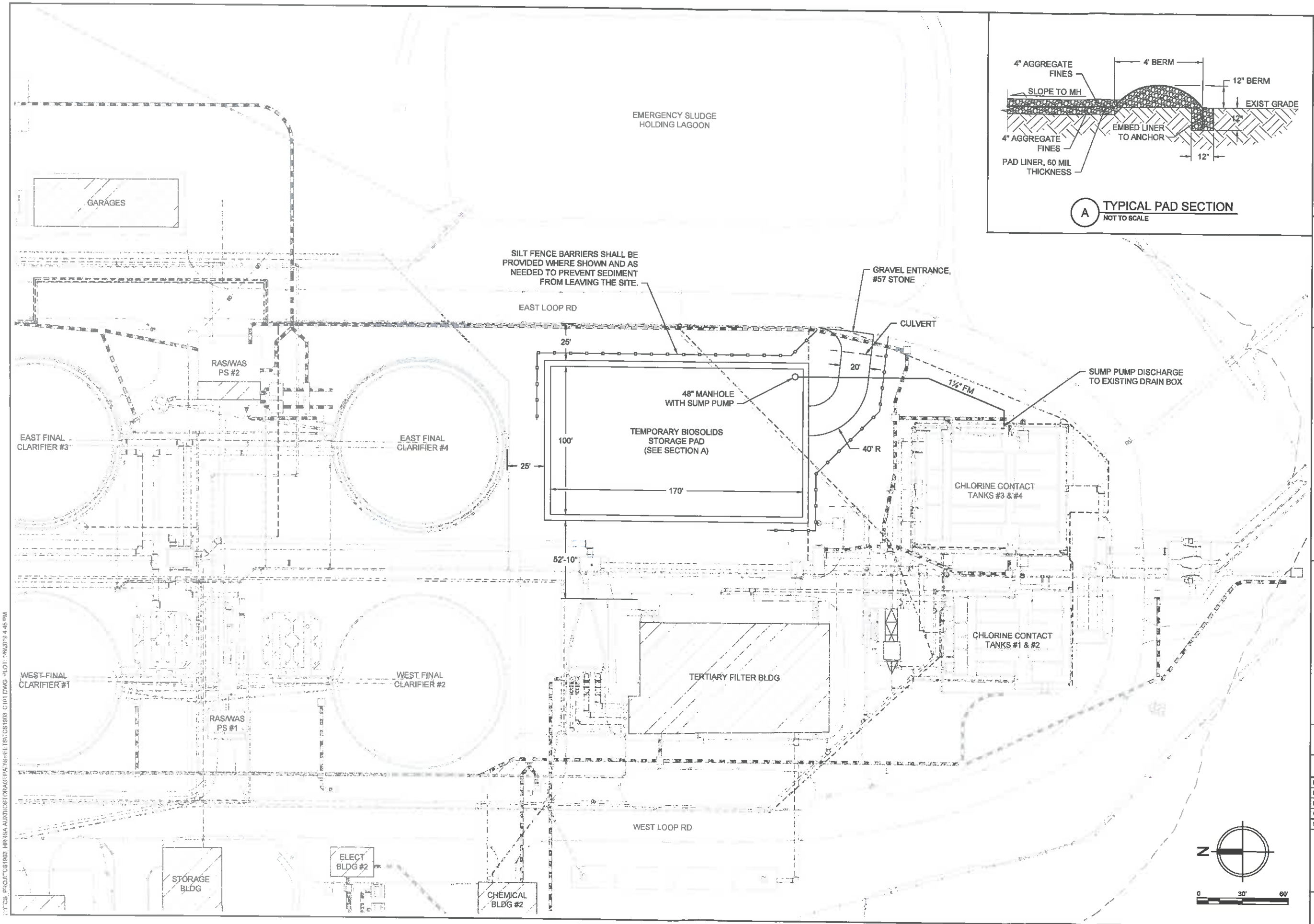
DATE: January 9, 2019

On January 9, 2019, HRRSA procured the services of A&J Development and Excavation, Inc, 425 Cecil Wampler Road, Mt. Crawford, VA to install an auxiliary biosolids storage pad at the North River Wastewater Treatment Facility (NRWWTF). The installed price of the storage pad is quoted at \$60,280. A&J Development and Excavation, Inc. was selected because they are a local contractor with experience in installation of composite liners, certified by DEQ as a "Certified Responsible Land Disturber" and have available resources to mobilize immediately.

This project has been deemed an emergency procurement under the Virginia Public Procurement Act because the NRWWTF's existing biosolids storage facilities are at capacity due to extraordinarily wet soil conditions from record rainfall which has either restricted or prevented land application of HRRSA's Class B biosolids over the last several months. The lack of biosolids storage has severely hampered NRWWTF plant operations over the last 3-4 weeks and threatens VPDES permit compliance. Currently, HRRSA has been disposing biosolids in three area landfills (Rockingham, Page and Augusta Counties) on a temporary basis. However, all three landfills have requested that HRRSA implement additional storage/disposal options as the biosolids material is wet and bulky and difficult to place in lifts. The proposed auxiliary storage pad will provide an additional 30 days of storage to support NRWWTF's biosolids handling and storage operations until weather conditions improve.

As shown on the attached site plan, the biosolids storage pad will be an earthen pad constructed adjacent to the tertiary filter building with approximate dimensions of 100 ft wide and 170 ft long. An earthen berm will be constructed around the entire perimeter of pad with approximate dimensions of 1 ft high and 4 ft wide. The pad will be graded to drain to a 48" diameter manhole which will be equipped with a sump pump and force main that will discharge to a plant drain and divert any collected runoff or leachate to the headworks of the NRWWTF where it will be treated as municipal wastewater. The pad and berms will be lined with a 100-mil thick composite liner similar to that used in a municipal landfill to prevent leachate from contaminating groundwater. A gravel vehicle entrance and culvert will be installed as shown on the attached drawing. Silt fencing will be installed along the east and south ends of the storage pad during construction.

Attachment



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HRRSA - NORTH RIVER
WASTEWATER TREATMENT FACILITY
AUXILIARY BIOSOLIDS STORAGE PAD
OWNER: HARRISONBURG-ROCKINGHAM REGIONAL SEWER AUTHORITY
MT. CRANFORD, VIRGINIA

MARK	DATE	DESCRIPTION

PROJECT NO: TCS1903
DATE: 01/08/2019
DRAWN BY: MCT
CHECKED BY: CRLM
SHEET TITLE

SITE LAYOUT PLAN

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