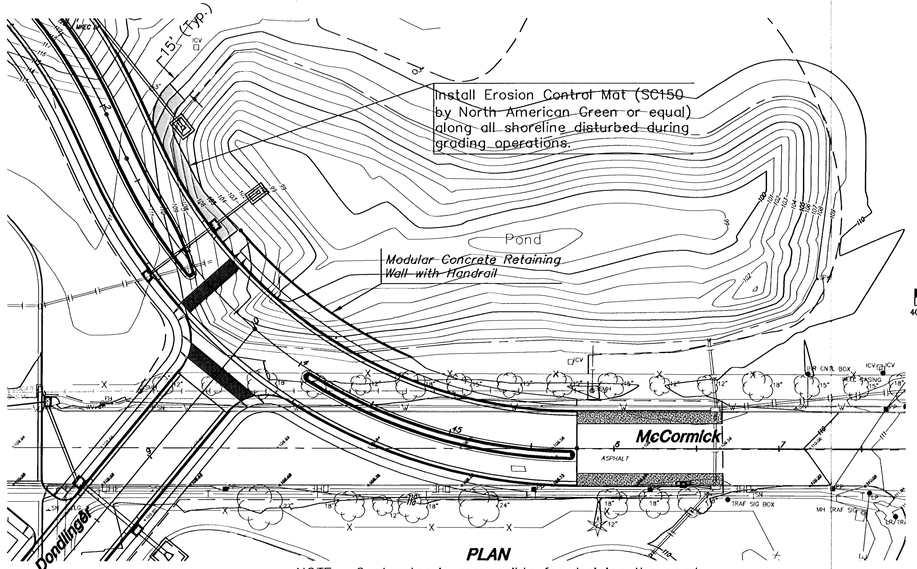
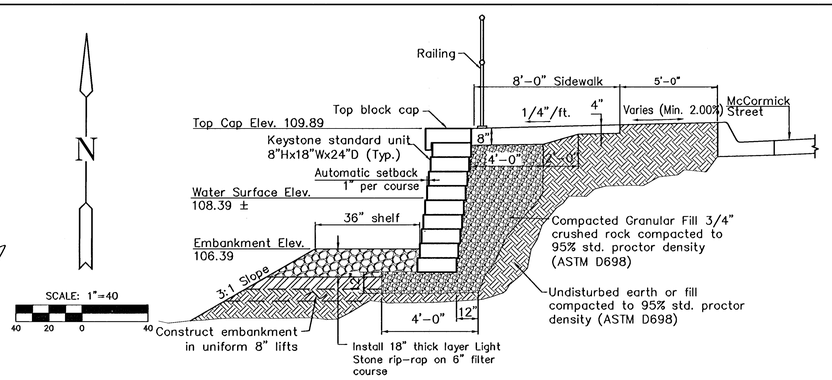
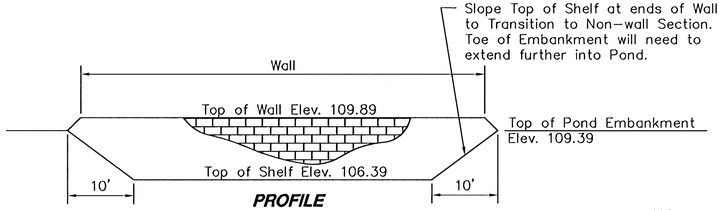


PLAN

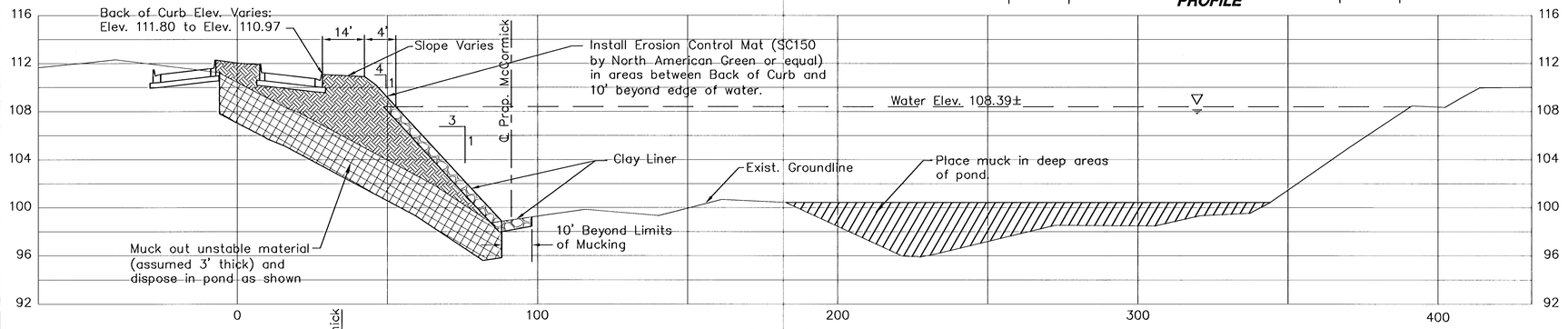
NOTE: Contractor is responsible for draining the pond prior to construction and refilling it after construction.



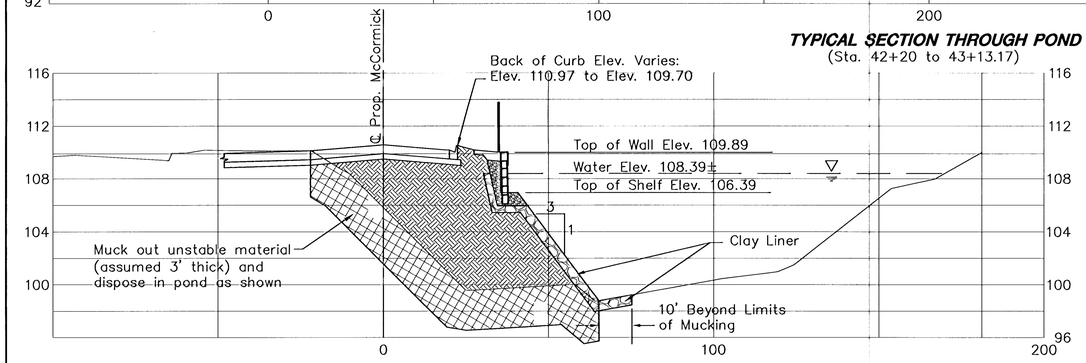
MODULAR CONCRETE RETAINING WALL



PROFILE



TYPICAL SECTION THROUGH POND
(Sta. 42+20 to 43+13.17)



TYPICAL SECTION THROUGH POND (SIDEWALK SECTION)
(Sta. 43+13.17 to 44+66.44)

GENERAL NOTES:

Contractor shall drain pond prior to beginning work in and around the pond. Water may be discharged directly to the storm sewer system as dictated by the city. Discharge to the storm system may occur only when city inspector is present. If the water quality degrades to a point, as determined by the inspector, discharges to the storm system will cease until water quality improves. Pumping shall be done as close to the water surface as possible and in a manner that creates as little turbulence as possible.

Contractor shall remove all unsuitable material from the pond bottom and sides. Depth of muck is assumed to be 3 feet. The inspector shall determine actual depth of removal in the field.

Unsuitable material may be deposited in low areas of the pond, away from the embankment area. It is assumed that all removed material can be placed within the pond. At the inspector's discretion, the pond will be considered 'full' and all remaining muck shall be removed from the site by the Contractor and disposed of elsewhere. The Contractor shall be compensated for this work.

Roadway embankment shall be constructed in accordance with these plans and the standard specifications beginning from the bottom of the mucked area. The embankment shall be constructed in 8 inch horizontal lifts (Benched) in conformance with the specifications.

Place top two 6" Lifts of Clay Liner (PI=30). Compact with 5%of optimum moisture content to a density of 95% of the standard proctar in accordance with ASTM D698. A permiability test of the liner material shall be performed by a Geotechnical Soils Engineer at a random location as determined by the Project Inspector and at the Contractors expense. The Clay Liner material shall meet or exceed a permiability rating value of 10 .

Over Excavate 12" of Exist. Pond bottom a minimum of 10 feet beyond the limits of mucking.

Top 6" Lift of Clay to be blended with Bentonite as required to achieve permiability (20 lb./s.y.).

All Cost asssociated with this work shall be Subsidiary to the Bid Item "Clay Liner".

Contractor shall install erosion control mat (SC150 by North American Green or approved equal) in areas around the edge of the pond distubed by construction activities. Erosion control mat at the edge of the pond shall extend 10 foot horizontally into the pond.

After the construction of the embankment and wall, the Contractor shall fill the pond with water to the normal pool elevation (108.39). The Contractor is responsible for the cost of water.

Newman University's nearby water wells may be utilized for filling pond.

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MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

McCORMICK AVENUE STREET IMPROVEMENTS
PROJECT NAME

RETAINING WALL AND POND DETAILS
SHEET TITLE

JRA	DPG	JRA
DESIGN BY:	DRAWN BY:	CHECKED BY:
AUGUST 2005	03245	38 / 111
DATE	JOB NO.	SHEET/OF