

BENCHMARK:

BM #5 - City of Wichita Bench Mark Disc, 35' South and 25' East of Centerlines Hydraulic and 43rd St. South. Elev. = 82.13 (City Datum)

Concrete Parking Lot w/ Curb

Asphalt Tennis Courts
w/ Concrete Header
and 8' Chain Link Fence

Sta. 34+94.02, 329.28' Lt.
Begin Shore Guard 550 Sheet
Piling w/ Anchoring System
Top Wall Elevation = 77.00
See Detail, Sheet 8.

Grade Existing Channel as Necessary
to Maintain Drainage from the
Parking Lot. Cost to be INCIDENTAL
to "Site Restoration".

Proposed Shallow Region**

Proposed Aerator Location*

Construct Pond as Shown.
See Detail, Sheet 8.

POND DATA:
Static Elevation = 73.5
Bottom Elevation = 65.0
Surface Area = 7.11 Ac.

Proposed Trench Locations***

Sta. 36+10.12, 322.57' Lt.
End Shore Guard 550 Sheet
Piling w/ Anchoring System

Sta. 36+09.86, 204.20' Lt.
Deflect Sheet Piling 45' 00' (N)

Sta. 35+83.68, 178.12' Lt.
Deflect Sheet Piling 45' 00' (N)

Proposed Aerator Location*

Sta. 35+19.82, 178.26' Lt.
Deflect Sheet Piling 45' 00' (E)

Sta. 34+93.75, 204.45' Lt.
Deflect Sheet Piling 45' 00' (E)

Proposed Shallow Region**

Extend Shore Guard 300 Sheet
Piling Along South Edge.
See Sheets 8 & 12.

Construct 24' Channel (E)
See Sheet 12.

End Shore Guard 300 Sheet
Piling Along South Edge.
See Sheets 8 & 12.

Proposed Shallow Region**

* Contractor to install 2-2HP, 208/240 Volt, 3 phase Surface Aerators with package as manufactured by Aeromix Systems, Inc., or approved equal, complete in place and operational in locations as show.

Contractor to coordinate with KC&E for power requirements & transformer locations.

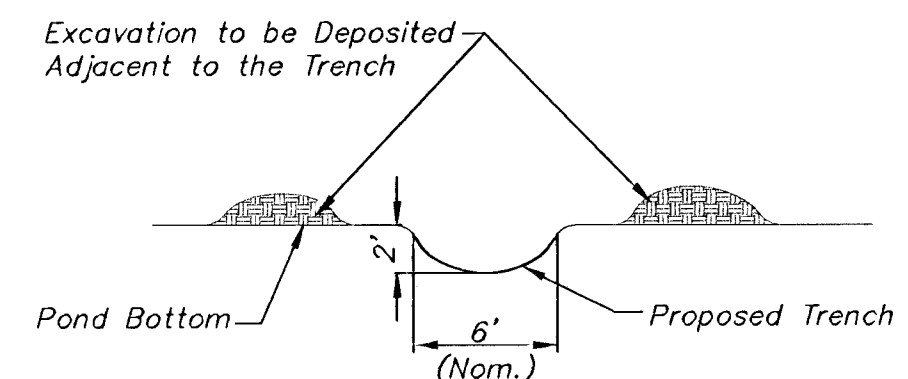
For more information on the aerators, contact:

AEROMIX Systems, Inc.
2611 N. Second Street
Minneapolis, MN 55411-1634
(800) 569-1345
(612) 521-3321

** Following the final pond excavation, the Contractor shall deposit excess excavation at locations designated on the plans as "Shallow Regions" on the plan. These regions shall be constructed to enhance aquatic plant and fish life. The shallow regions shall be approximately 3' deep and may be constructed under the supervision of the Parks and Wildlife Representative. Construction of the shallow regions shall not be paid for directly, but shall be considered INCIDENTAL to other items in the Project.

*** The Contractor shall excavate 4 trenches along the bottom the pond as shown to provide habitats for fish life. These trenches are to be approximately 6' wide and 2' deep. See Detail, This Sheet. The excavation for the trenches shall be considered INCIDENTAL to other items in the Project.

TRENCH DETAIL



Contractor to Contact the Wildlife and Parks Representative for Further Information.

SCALE: 1" = 40'

PROJECT NUMBER 472-76-245-83324		SHEET NAME Pond		ENGINEERING DIRECTORY F:\Hydraulic\Pond	
DESIGN TPV/JFB	DRAWN TPV	APPROVED JFB	DATE Sept 2001	SCALE Noted	BAUGHMAN NO 99-09-E453

CAPITAL IMPROVEMENT PROJECT
DETENTION POND
HYDRAULIC AVENUE PAVING - INCIDENTAL DRAINAGE PROJECT - PHASE 2

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET
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OF
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