

SECTION A-A
NOT TO SCALE

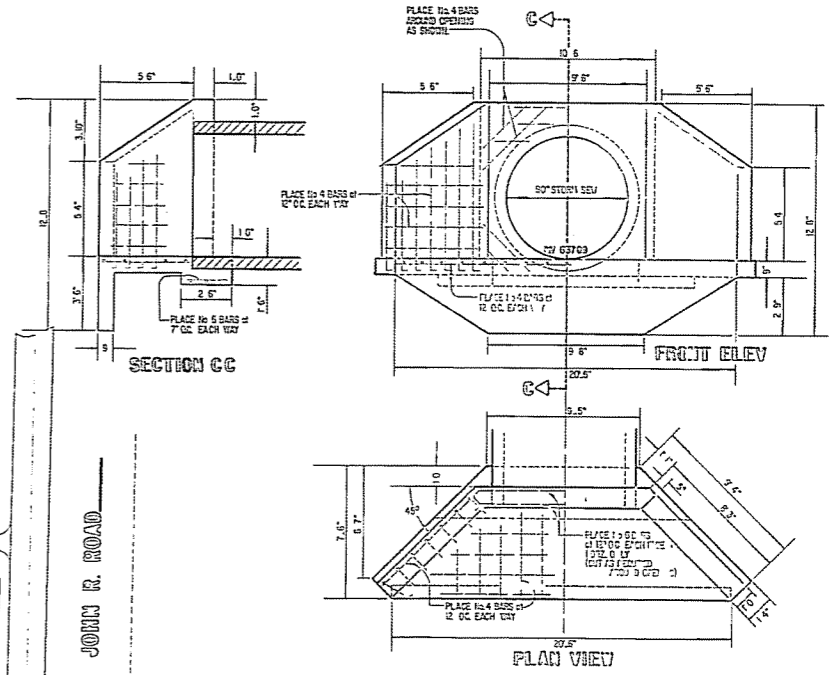
SEE SHEET 29

SCALE - 1" = 50'
PR LAKE
 LAKE STORES TO ELEV 646 00
 NORMAL ELEV 641 00
 BOTTOM ELEV 637 00

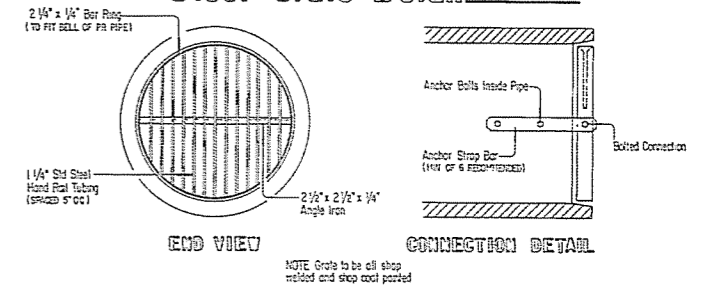
NOTE:
 Driveway, Drain Tile Ditches, Culverts and other facilities removed, destroyed, damaged, or otherwise disturbed by the work shall be replaced and/or restored to their original condition by the contractor.

NOTE:
 Rap-Rap to be field stone or broken concrete of four inch min. thickness and one square foot min. area. Broken concrete or stone shall be mortared to form a monolithic slab with a min. thickness of eight inches. (To be incidental to the job)

Headwall Detail NOT TO SCALE



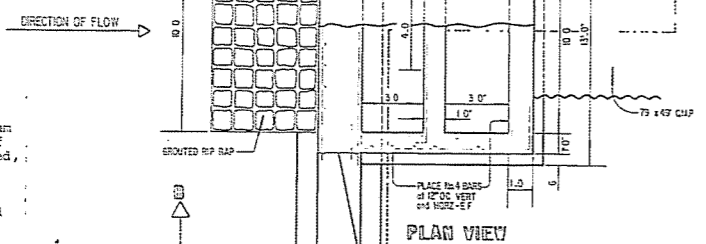
Steel Grate Detail NOT TO SCALE



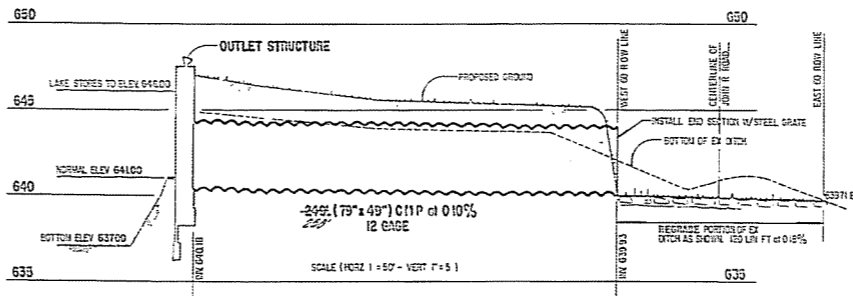
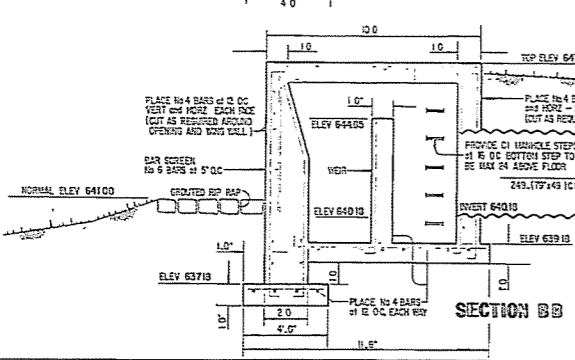
NOTE: Grate to be all shop welded and shop and painted

GENERAL CONCRETE NOTES

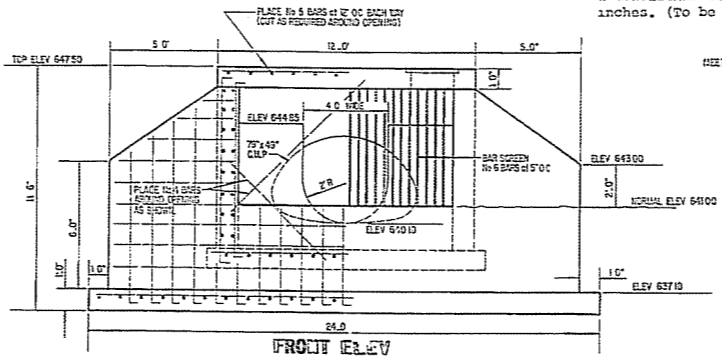
- The contractor shall verify all conditions and measurements at the site and shall report any discrepancies to the Engineer before proceeding with the work.
- All concrete shall be Class A (see specifications) with a minimum compressive strength at 28 days of 3500 p.s.i., unless otherwise noted, except mud mat which shall have minimum cement content of 4 sacks per yard.
- All concrete reinforcing No. 3 and larger shall be hot grade new billet steel (A.S.T.M. A-615) and shall have a guaranteed minimum yield stress of 60,000 p.s.i.
- Reinforcing bar detail and placing shall conform to A.C.I. 318 "Building Code", latest edition and to A.C.I. 315 - "Manual of Standard Practice for Detailing Reinforced Concrete Structures", latest edition.
- All walls shall be adequately braced until supporting slabs have been placed and reached their design strength.
- Provide corner bars same size and spacing as horizontal reinforcing unless otherwise noted.
- All concrete placed against ground shall have not less than 3" cover between ground and reinforcing steel. All other concrete shall have 2" cover to reinforcing steel.
- All reinforcing steel shall have minimum lap of 24 bar diameter. Provide 3/4" chamfer on all exposed corners of concrete beams, walls and slabs.



Outlet Structure Detail NOT TO SCALE



NOTE:
 Rap-Rap to be field stone or broken concrete of four inch min. thickness and one square foot min. area. Broken concrete or stone shall be mortared to form a monolithic slab with a min. thickness of eight inches. (To be incidental to the job)



SECTION B-B NOT TO SCALE

- NOTES**
- The side slopes of the lake shall be sodded or seeded.
 - Unit price for proposed lake is to include all necessary grading, excavation, rap-rap, seeding or sodding, headwall, outlet structure, regrading of existing ditch in the John R. Road right-of-way, etc.
 - Elevations marked 646.00 EX denote existing elevations - all others are proposed elevations

REV	MARCH 14, 1973	REV	
REV		REV	
REV		REV	
		Civil Engineers and Surveyors 2838 E. Long Lake Road Troy, Michigan Zip 48064 Telephone 689 1180	
DATE JANUARY 1973		SCALE AS SHOWN	
DRAWN BY CS		SHEET 31 OF 32 SHEETS	
CHECKED BY DD		DRAWING NO P-73-203	
LAKE DETAILS		15 47 10	

23-142