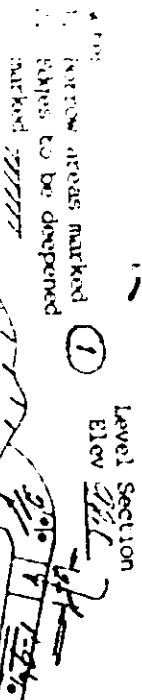


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2M-8267



SCHEMATIC OF POOL, DAM, AND EMERGENCY SPILLWAY

BILL OF MATERIALS

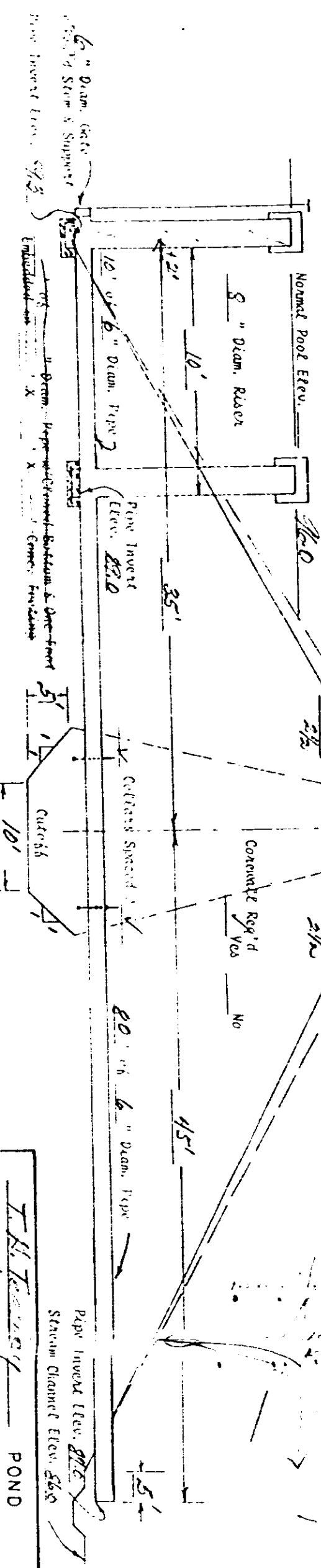
- (Pipe) 80' of 6" diam. steel pipe gate gage
- (Pipe) 1' of 6" diam. steel pipe gate gage
- (Riser) 7' of 6" diam. steel pipe gate gage
- (Includes One Extra Foot of Riser and Closed Bottom For Concrete Footing)
- (Anti-Seep Collars) 2 Collars 1/2" X 1/2" X 1/2" gage
- (Trash Rack or Bottom Water Release) 2 of 1/2" X 1/2" X 1/2" gage
- (Gate) 6 diam. shear or slide gate including 8 pipe shear or slide gate including 8 of stem and prefabricated gate support frame unless gate stem is designed to be supported by riser or post.
- (Concrete) c.y. 3000-psi concrete

Notes - Riser pipe is to be fabricated to accommodate joining the inlet pipe, outlet pipe, and gate. A closed bottom and one extra foot of riser is required for footing. Castigated steel pipe and accessories shall meet all requirements of Federal Specification WWP-405.

Castigated aluminum pipe and accessories shall meet all requirements of Federal Specification WWP-407. Any dissimilar materials shall be separated from aluminum by at least two layers of 12 mil plastic tape or equivalent.

Other pipe material shall conform to specifications suitable for the intended purpose as approved by the owner and SCS technician. All connections and/or bands shall be watertight.

Constructed T.O.D. includes 5' for Settlement
Settled Top of Dam Elevation 720.0
Emergency Spillway Crest Elev. 810.0



SECTION ALONG C of PIPE

STATION - 2 + 82
(Mark Site Items Not Required)

Designed By I.H. Taylor SO. CAR
Date 11/7/89 Approved By I.H. Taylor
USDA-Soil Conservation Service

GENERAL INFORMATION

Purpose Watershed and Fish Normal pool area 4 acres

DAM SAFETY PERMIT REQUIREMENTS

Height = 15 ft. (from top of dam to low point @ downstream toe)
Maximum storage = 112 ac ft. (may be estimated using 0.4 ad where "a" is area at E. S. Crest and "d" is depth from E. S. Crest to natural ground at upstream toe) 4 X 7 = 28 ac. ft.
Dam Safety Permit required - Yes or No (Date: Permit No. _____)
Dam Safety Permit received - Yes or No (Date: Permit No. _____)

DESIGN DATA

Drainage area 157 ac. - Curve No. 4 - Slope of W/S 6%
Design E.S. storm frequency 50 year 24 hour duration
Required E.S. capacity for design storm 42 cfs.
Freeboard added - one foot

ESTIMATED QUANTITIES

Clearing & Grubbing	Excavation	Outoff Trench	Stream Channel	Other	Vegetation	Embankment	Emergency Spillway	Other	TOTAL ESTIMATE	Embankment	Outoff Trench	Stream Channel	Other	SUBTOTAL EST.	Settlement	TOTAL ESTIMATE
4 acres						5 acres	5 acres		10 acres	5 c.y.	5 c.y.	5 c.y.	5 c.y.	20 c.y.	4 c.y.	24 c.y.

I.H. Taylor
PRESIDENT
11/7/89