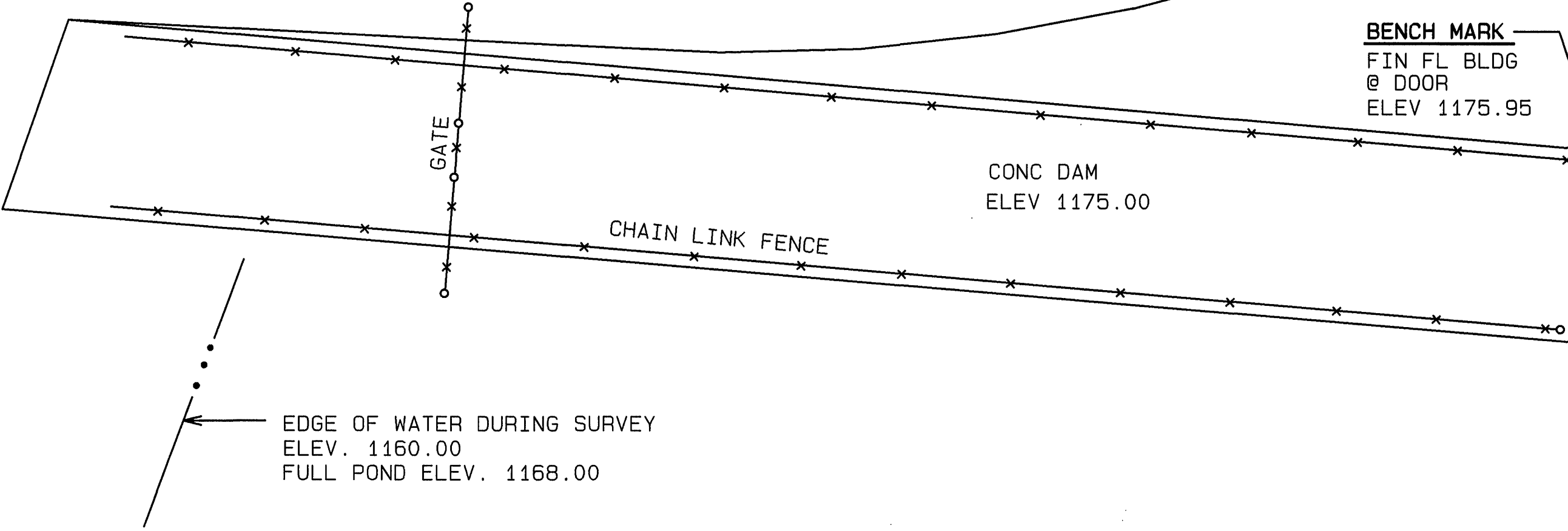


VICINITY MAP
SCALE: 1"=2000'

NOTE: SEE SHEET AR2 FOR CONSTRUCTION IN THIS AREA

SIGN POST
PI 21



GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED 24 HOUR A DAY FLOW TO THE 36" RAW WATER LINES THROUGHOUT CONSTRUCTION. (SEE SHEET RW4)
3. THE CONTRACTOR SHALL DELIVER 20 MILLION GALLONS PER DAY (MGD) TO THE RAW WATER LINES (TO THE LOW LIFT PUMP STATION) UNDER VARYING HEAD CONDITIONS. IF LESS THAN 20 MGD IS REQUIRED BY THE PLANT, THE EXCESS SHALL BE DISCHARGED TO THE RESERVOIR.
4. THE CONTRACTOR'S PUMPING EQUIPMENT SHALL BE CAPABLE OF DRAWING WATER FROM VARIOUS ELEVATIONS RANGING FROM ELEVATION 1117.00 TO ELEVATION 1160.00. THE ELEVATION OF THE WATER SURFACE OF THE RESERVOIR MAY VARY FROM 1168 DOWN TO 1138. IN WET WEATHER, WATER SURFACE MAY RISE TO SPILLWAY ELEVATION OR HIGHER. THE OWNER SHALL DIRECT THE CONTRACTOR AS TO WHAT ELEVATION(S) HE MUST DRAW FROM. THE WITHDRAWAL ELEVATION MAY CHANGE DURING THE PUMPING OPERATION.
5. IF THE CONTACTOR CHOOSES TO INSTALL TEMPORARY PIPING AT THE SPILLWAY AND DAM, IT SHALL BE ATTACHED TO THE INTAKE STRUCTURE AND PROTECTED FROM FLOODING. THE CONTRACTOR SHALL INFRINGE ON NO MORE THAN 7' OF THE SPILLWAY WIDTH.
6. THE CONTRACTOR SHALL CATCH, REMOVE AND DISPOSE OF ALL DEMOLITION DEBRIS.
7. THE CONTRACTOR SHALL NOT ALLOW ANY DEBRIS TO ENTER THE EXISTING 48" LINE INLET. (SEE SHEET IS3)

CARVINS COVE RESERVOIR

RECORD DRAWING

SCALE
0' 10' 20'

MATTERN & CRAIG CONSULTING ENGINEERS • SURVEYORS ROANOKE VIRGINIA		DESIGNED: RWB			REV	DATE	DESCRIPTION	BY	APP.	CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I ROANOKE, VIRGINIA		DATE MARCH 1992
ALVORD, BURDICK & HOWSON ENGINEERS CHICAGO		DRAWN: DSG			1	8/92	MISCELLANEOUS	DSG	RWB	INTAKE STRUCTURE GENERAL SITE PLAN		COMM. NO. 1138
		CHECKED: SWH			2	5/93	C.O. #3	CLD	RWB			SHEET
												IS1A