

**CITY OF FERNDALE
WASHINGTON**

**WASTEWATER TREATMENT PLANT
EFFLUENT SCUM REMOVAL
FACILITIES**

1989

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CITY MANAGER

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BY: Brian J. [Signature] DATE: 2/25/90

PARTIAL FUNDING OF THIS PROJECT IS BEING PROVIDED BY THE STATE OF WASHINGTON CENTENNIAL CLEAN WATER FUND (RCW 70.146 WAC 173-90)

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WITH

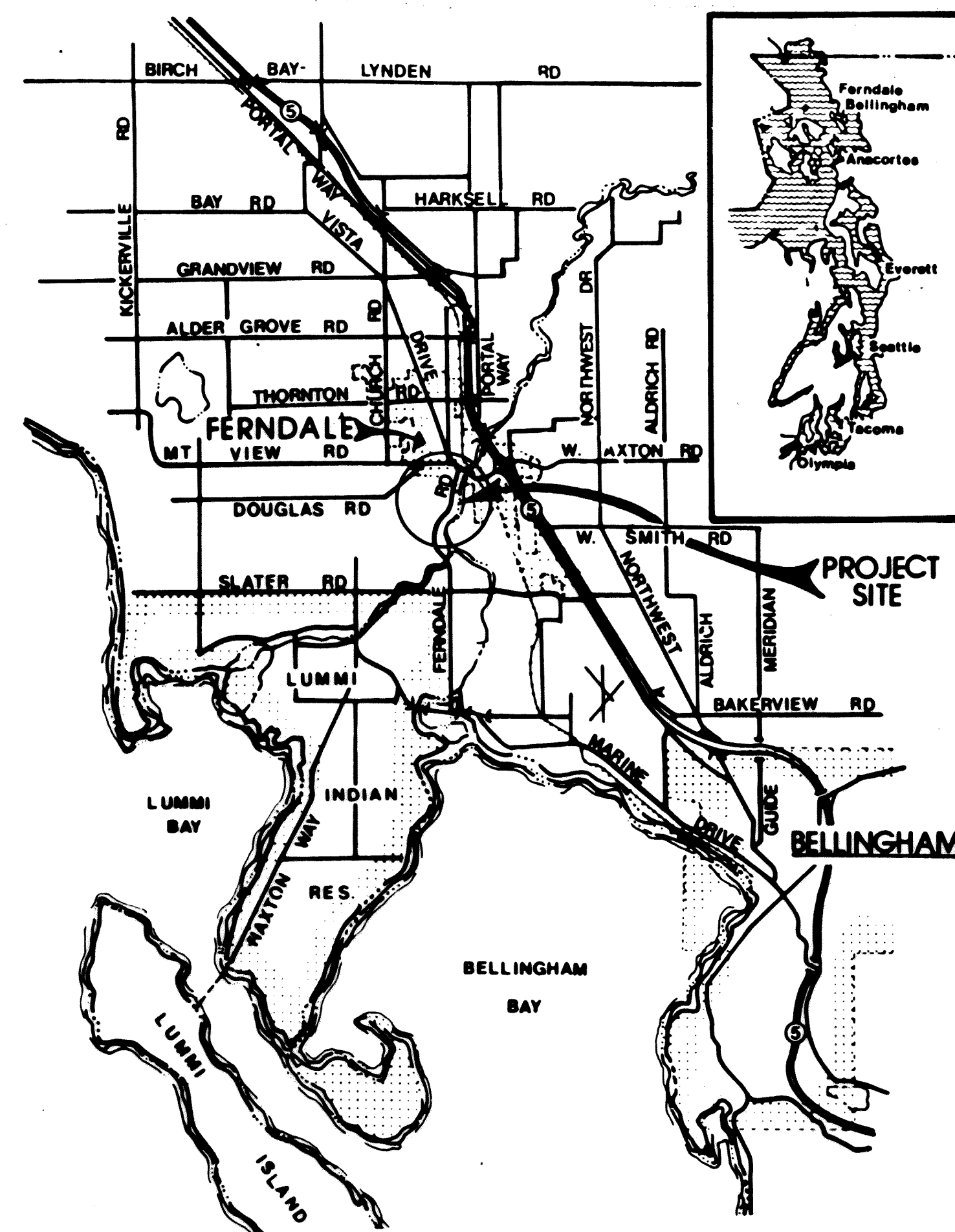


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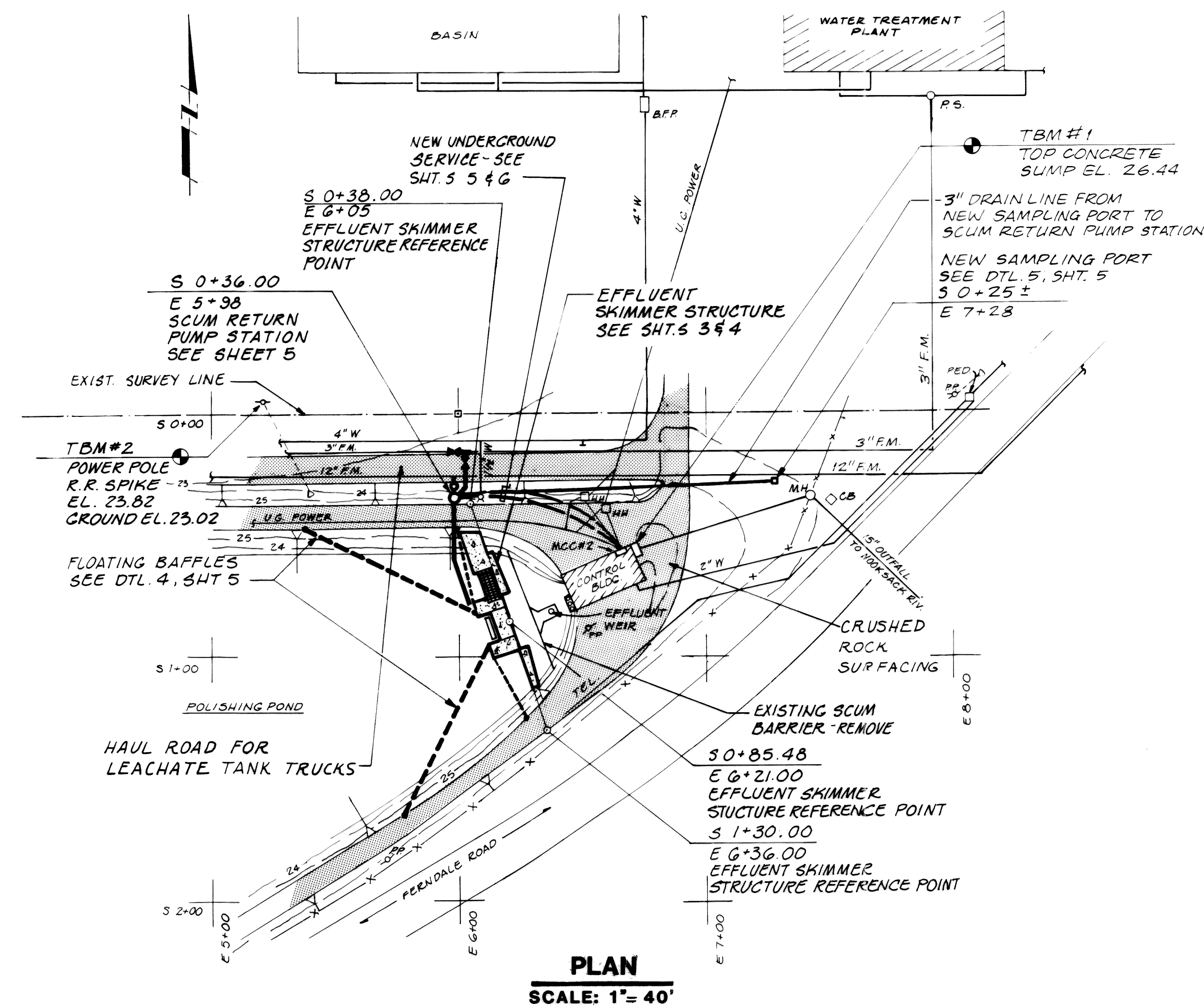
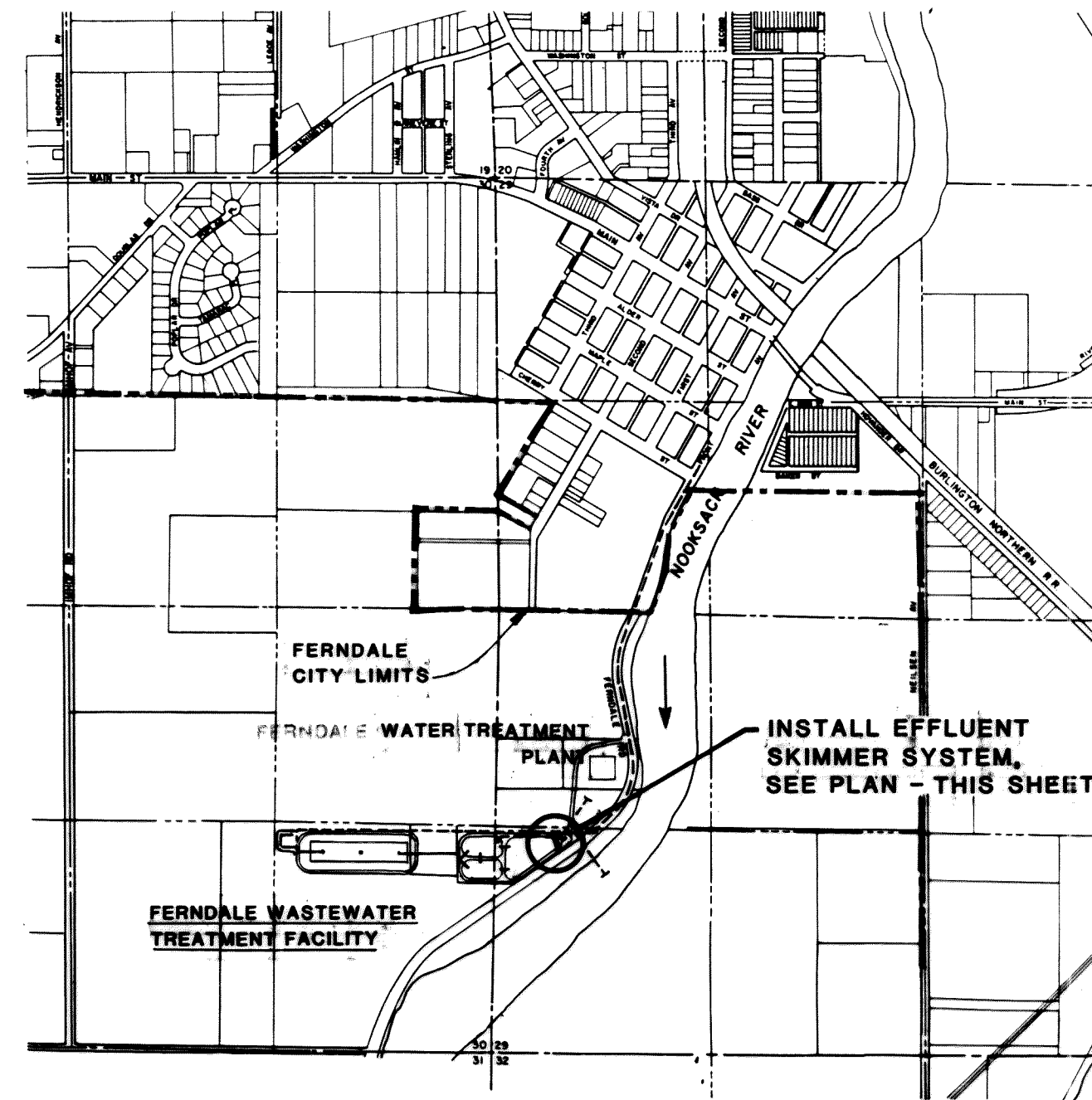
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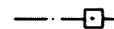
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00049.001 2-6-06 RL



LIST OF DRAWINGS	
SHEET	DESCRIPTION
1	COVER SHEET
2	VICINITY MAP, LOCATION MAP, PLAN, LEGEND, DRAWING LIST AND ABBREVIATIONS
3	EFFLUENT SKIMMER STRUCTURE PLAN, ELEVATION, AND DETAILS
4	EFFLUENT SKIMMER STRUCTURE DETAILS
5	SCUM RETURN PUMP STATION
6	ELECTRICAL



ABBREVIATION / SYMBOL LEGEND			
 TBM	TEMPORARY BENCHMARK	 CB	CATCH BASIN
	REFERENCE POINT	 BFP	BACKFLOW PREVENTER
	SURVEY CONTROL LINE		UTILITY POLE
	CONTOUR LINE		HYDRANT
	FENCE	 MH	MANHOLE
	PROPOSED UTILITY	 PS	PUMP STATION
	EXISTING UTILITY	 V	VALVE
 PED	ELECTRICAL, PEDESTAL	 UG	UNDERGROUND
 HH	ELECTRICAL HANDHOLE	 W	WATER
	GUY WIRE	 TEL	TELEPHONE
		 FM	FORCE MAIN

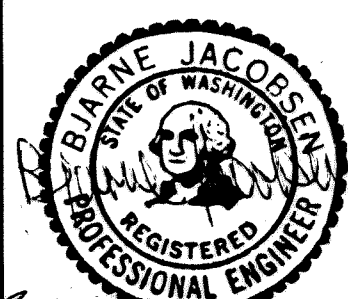
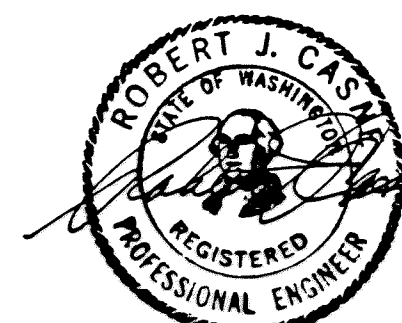
GENERAL NOTES

1. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, CONCRETE DESIGN STRENGTH ($f'c$) SHALL BE 2,300 PSI FOR UNREINFORCED CONCRETE AND 3,000 PSI FOR REINFORCED CONCRETE.
2. ALL REINFORCING BARS SHALL BE ASTM A615, GR60.
3. ELEVATIONS SHOWN ON THE DRAWINGS ARE BASED ON MEAN SEA LEVEL.
4. SURVEY CONTROL LINES SHOWN ON THE DRAWINGS WERE ESTABLISHED BY RAYMOND D. WEDEN AND ASSOCIATES, INC., IN THE PERIOD OF FEBRUARY 14 THROUGH FEBRUARY 17, 1984.
5. LOCATION OF ALL UNDERGROUND UTILITIES IS APPROXIMATE AND IS BASED ON EXISTING RECORDS ON FILE WITH THE RESPECTIVE UTILITIES.

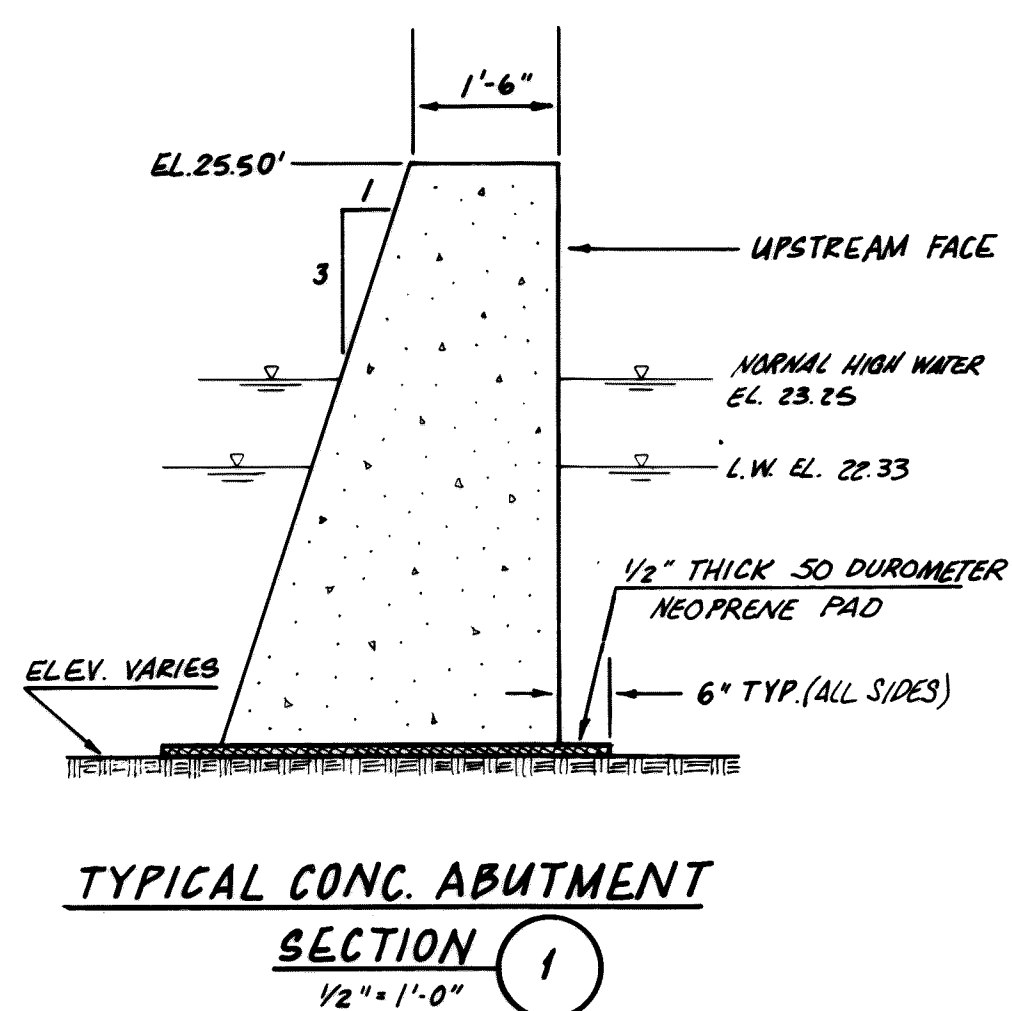
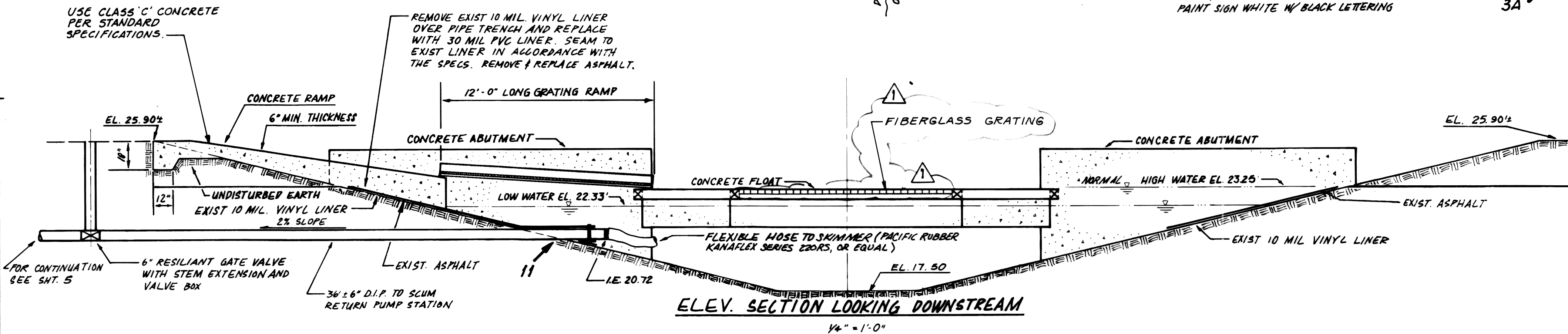
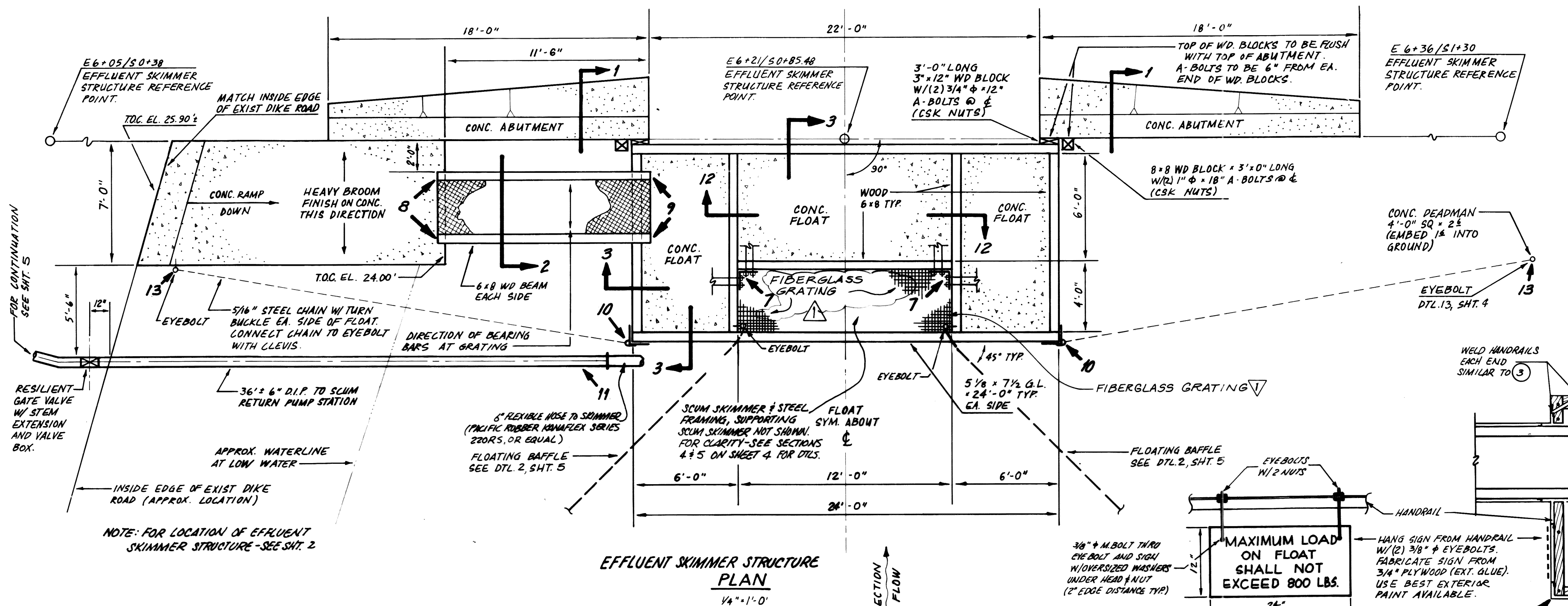
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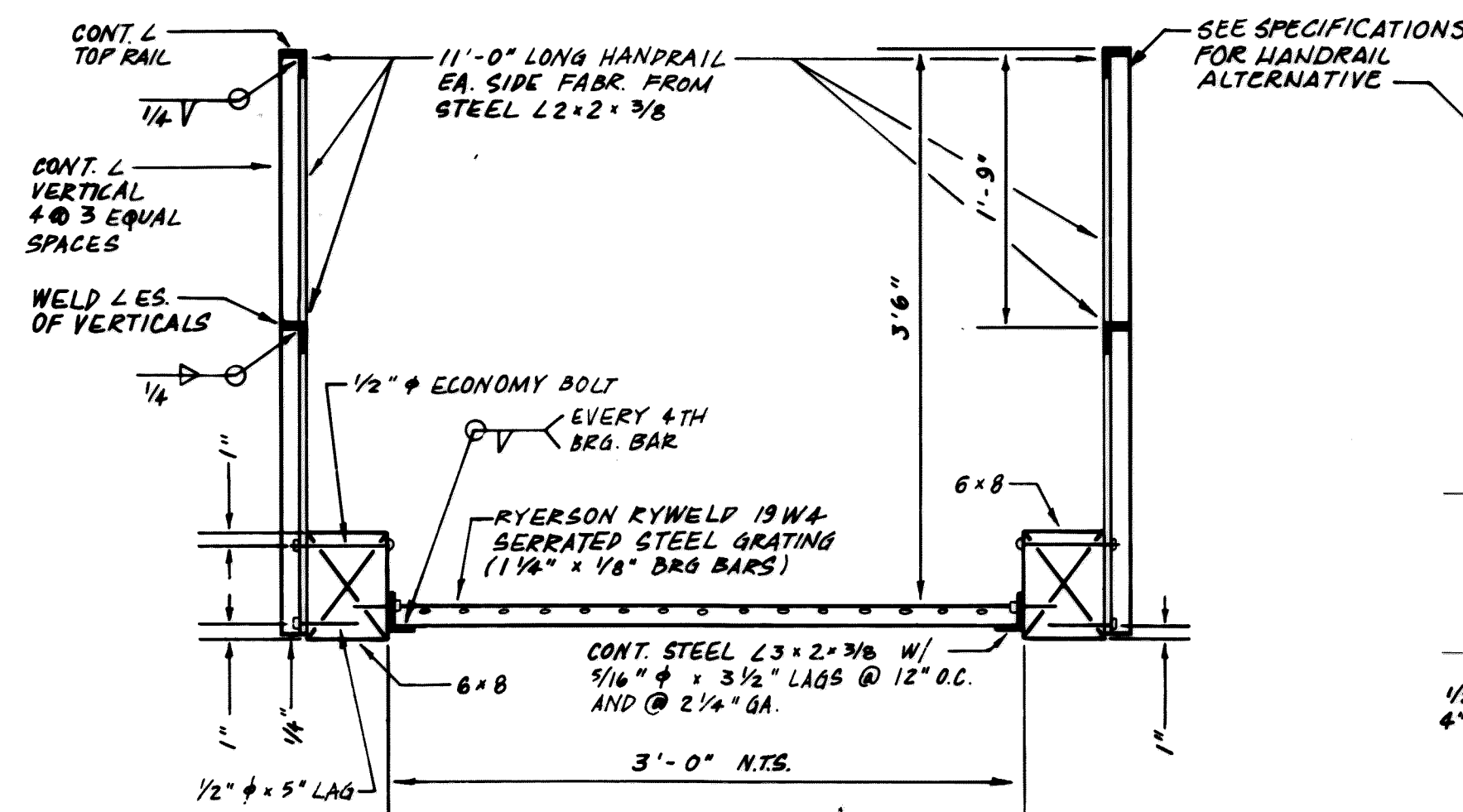
BY: Bone Jacobson DATE: 2/25/90



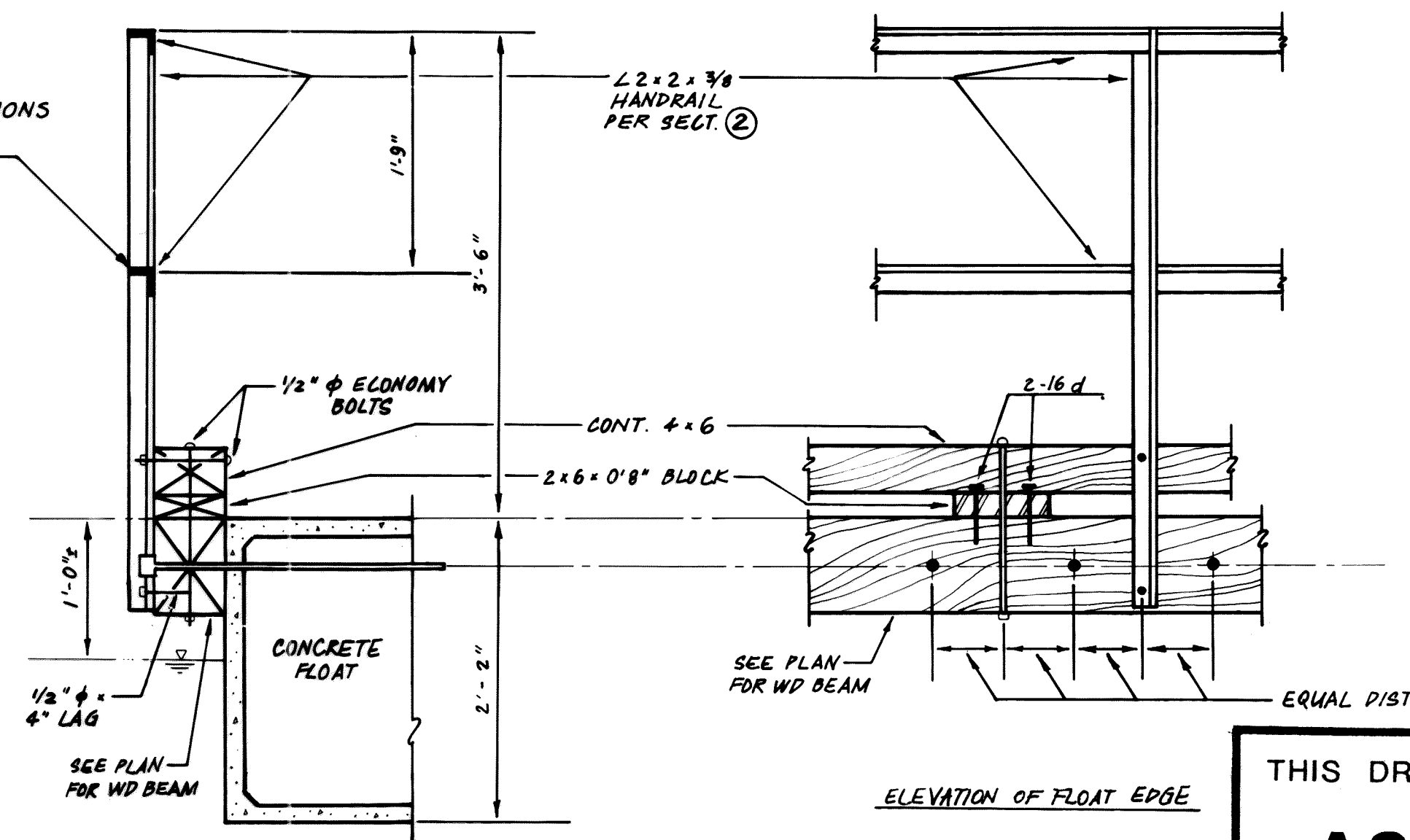
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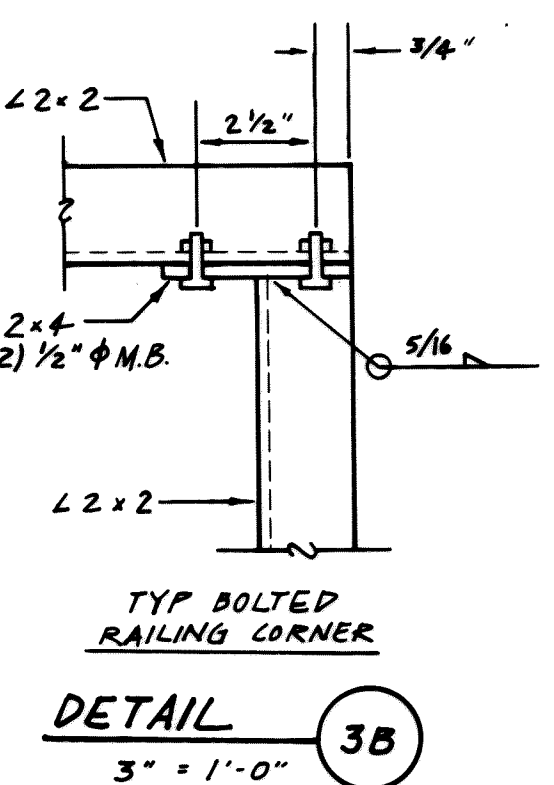
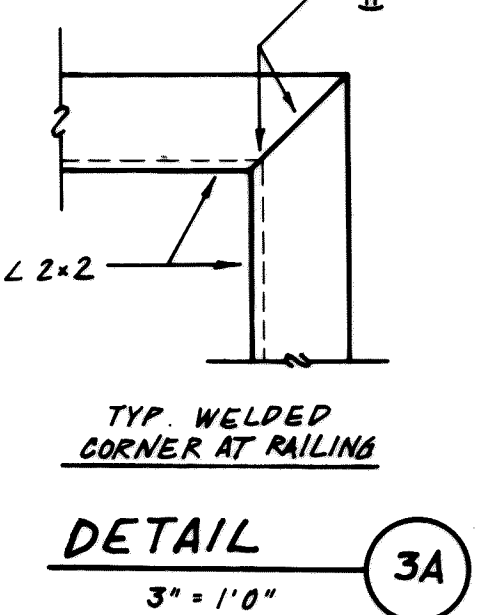
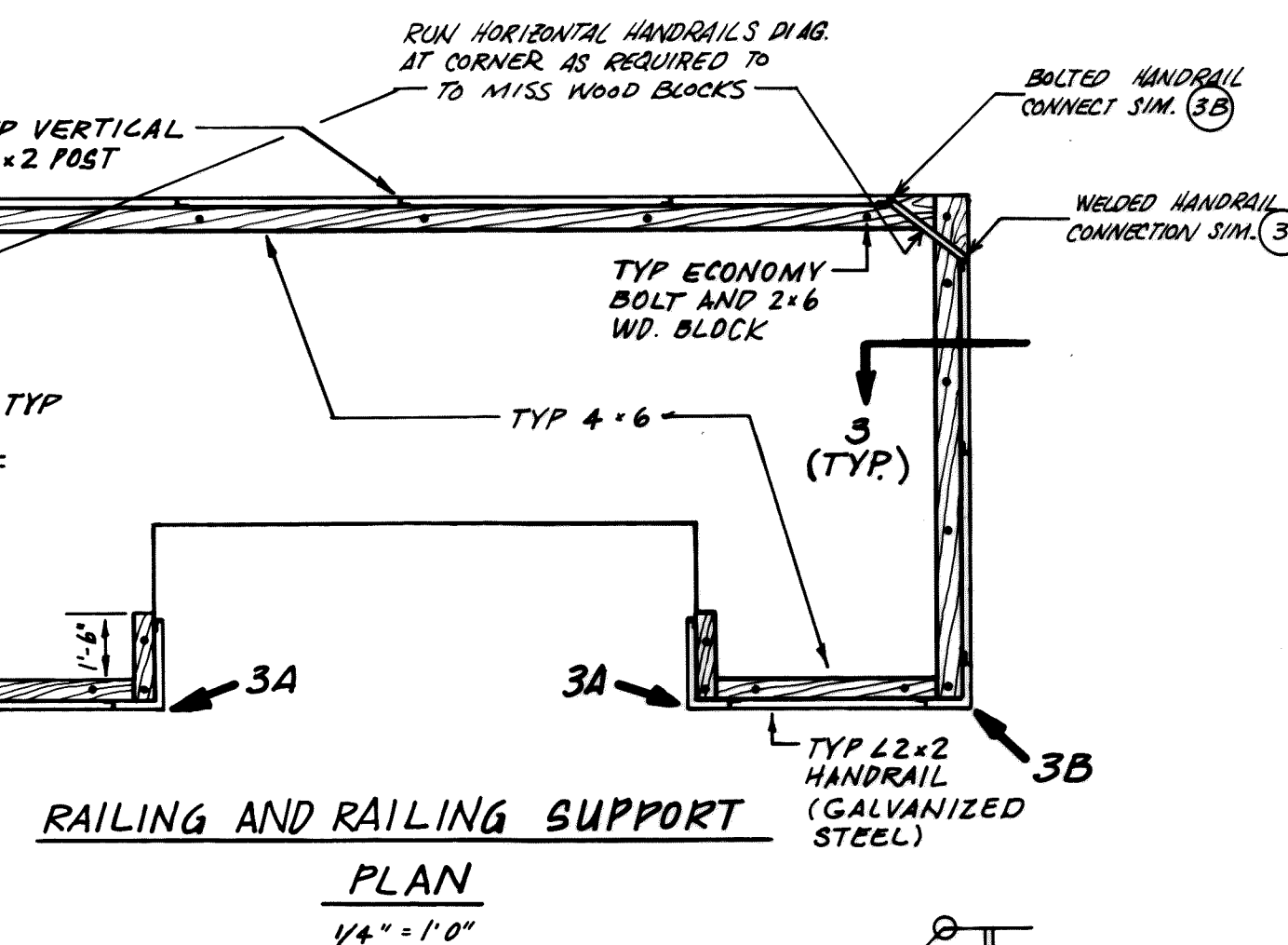
ABUTMENTS TO BE CLASS 'C' CONCRETE PER SECTION G-02 OF STANDARD SPECIFICATIONS.



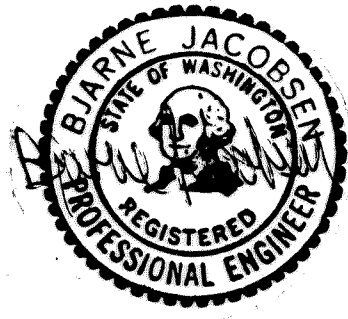
SECTION THRU RAMP 2
1" = 1'-0"



SECTION AT FLOAT EDGE 3
1" = 1'-0"

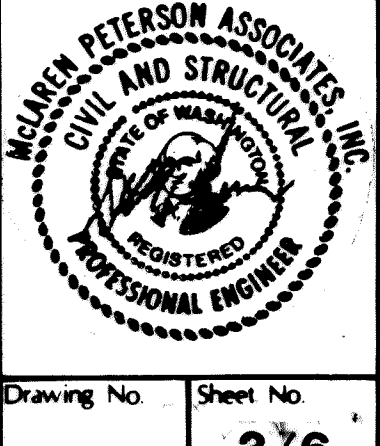


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BY: *Blaine Jacobson* DATE: 2/25/90



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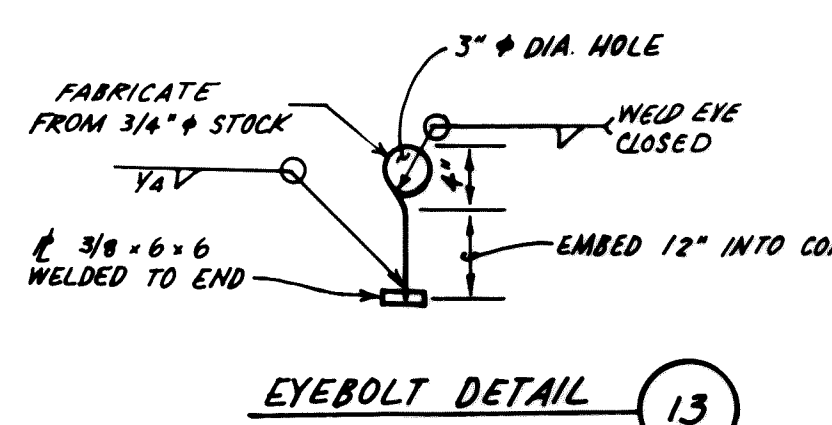
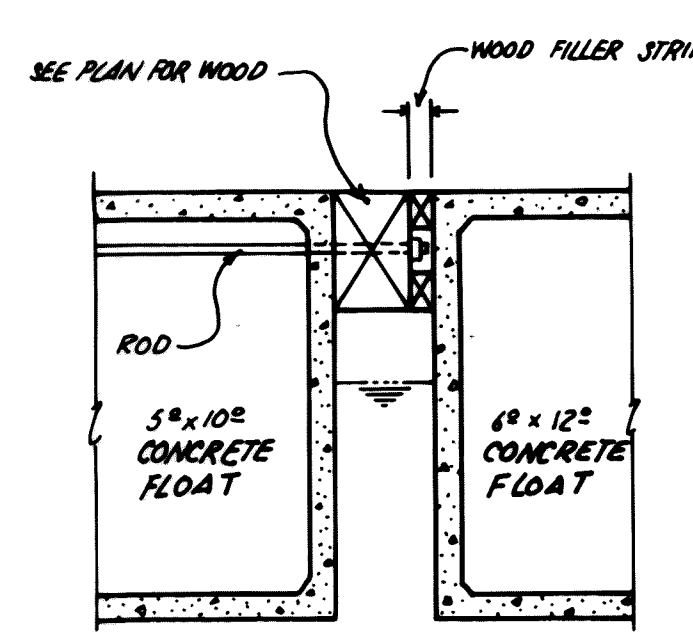
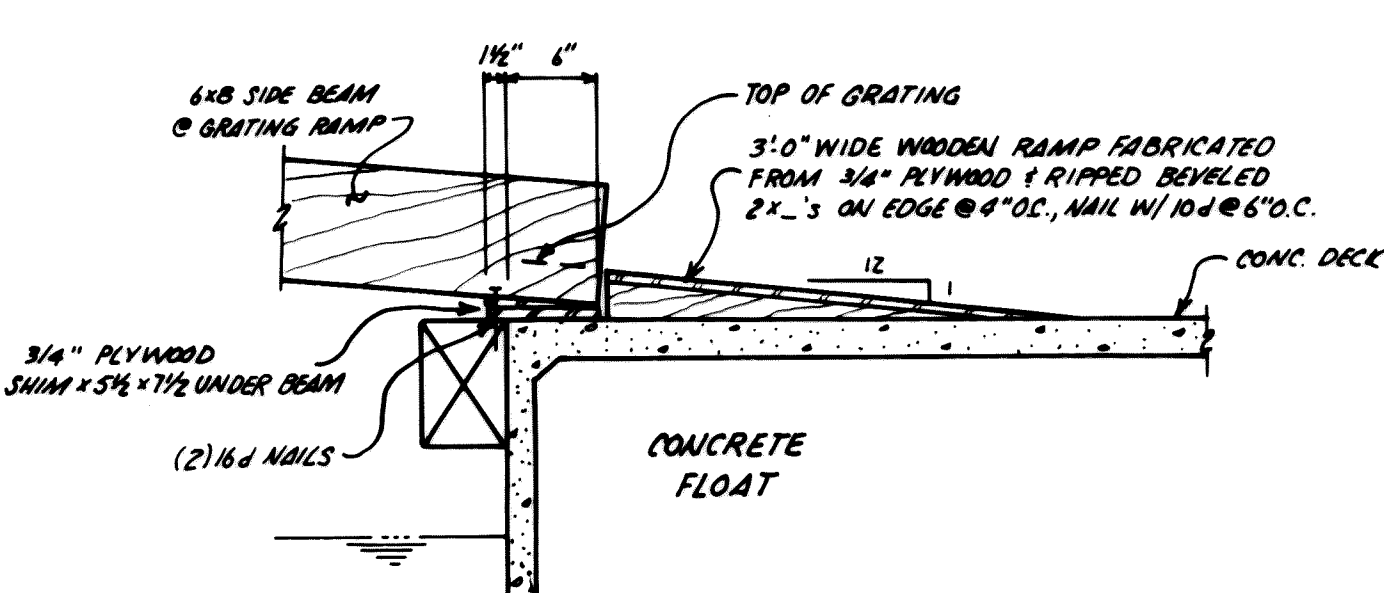
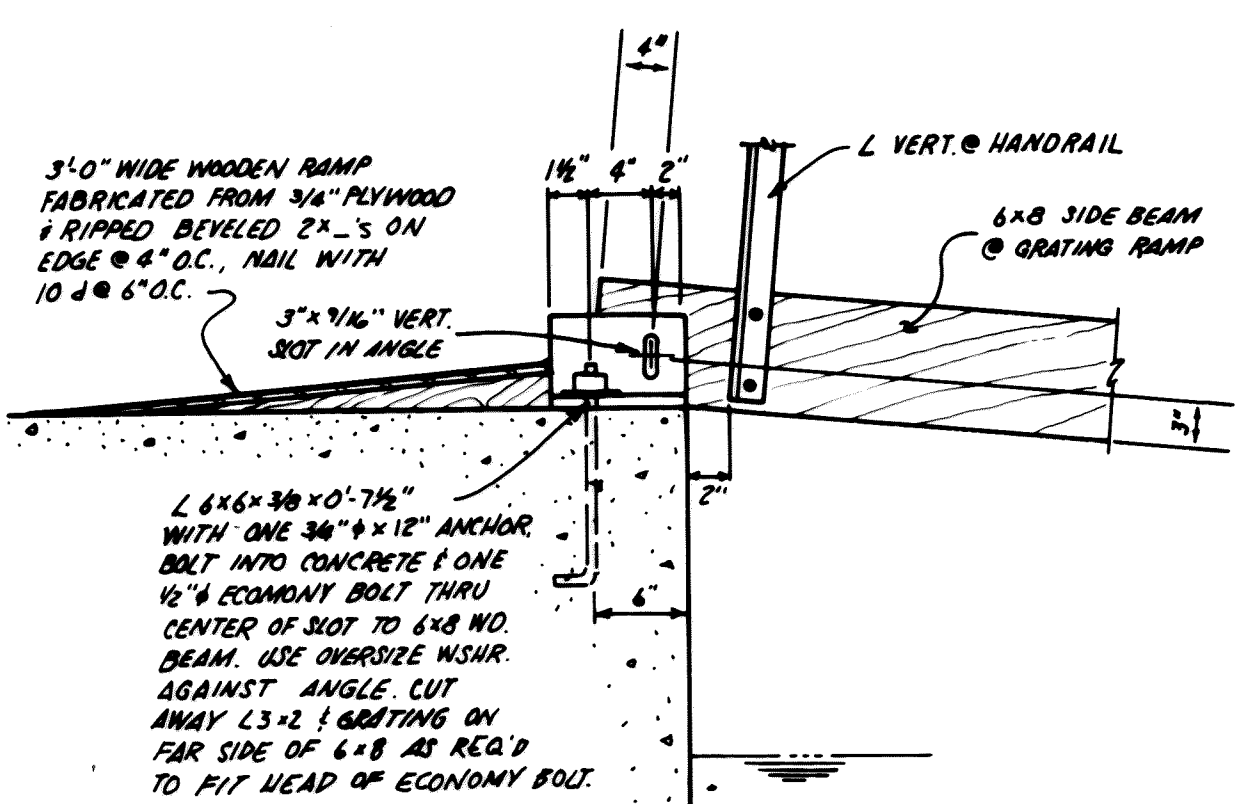
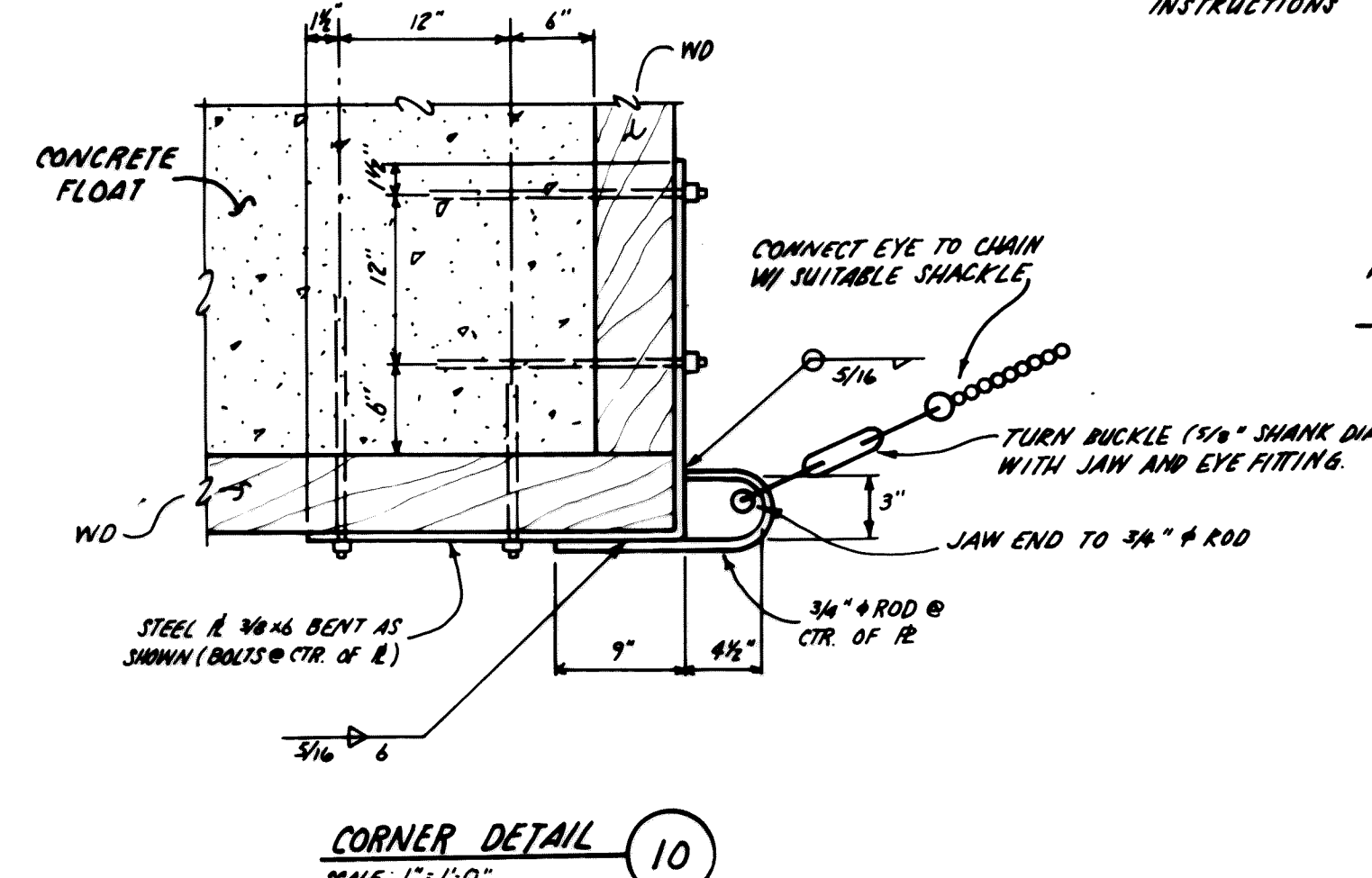
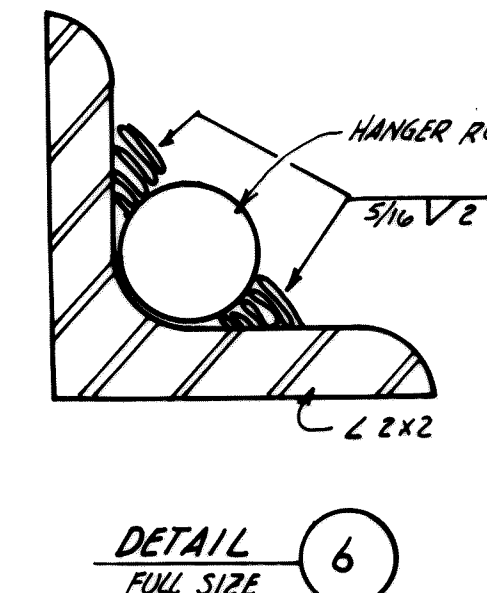
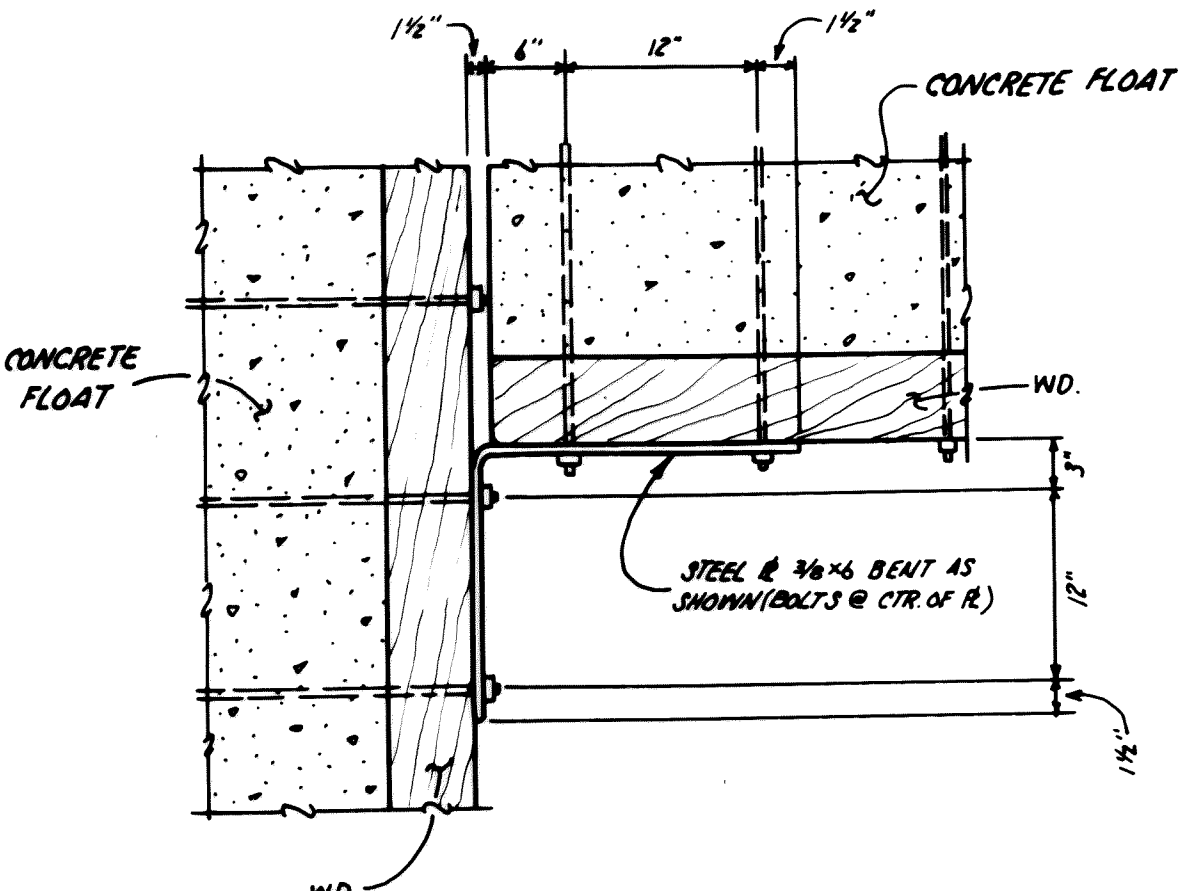
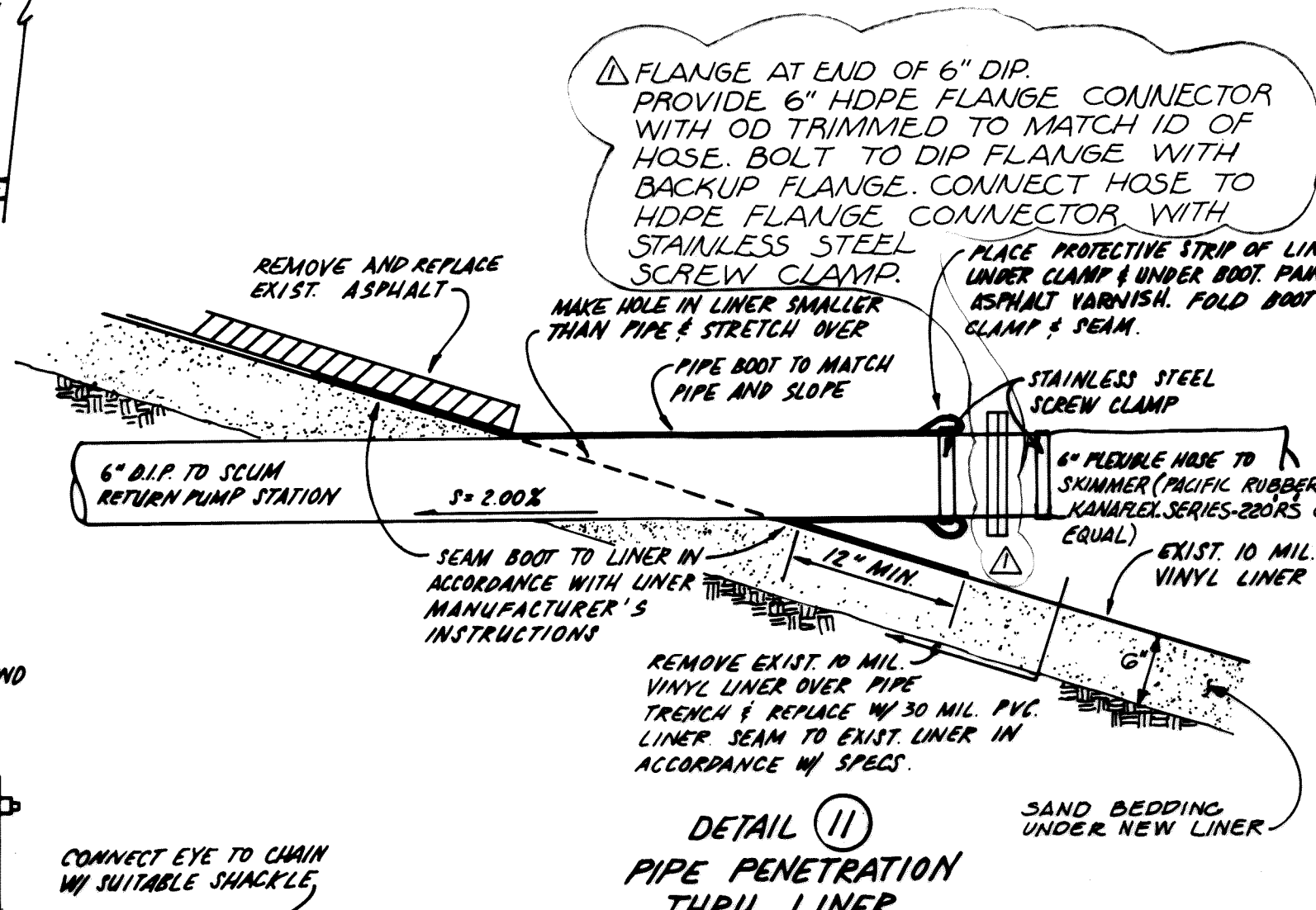
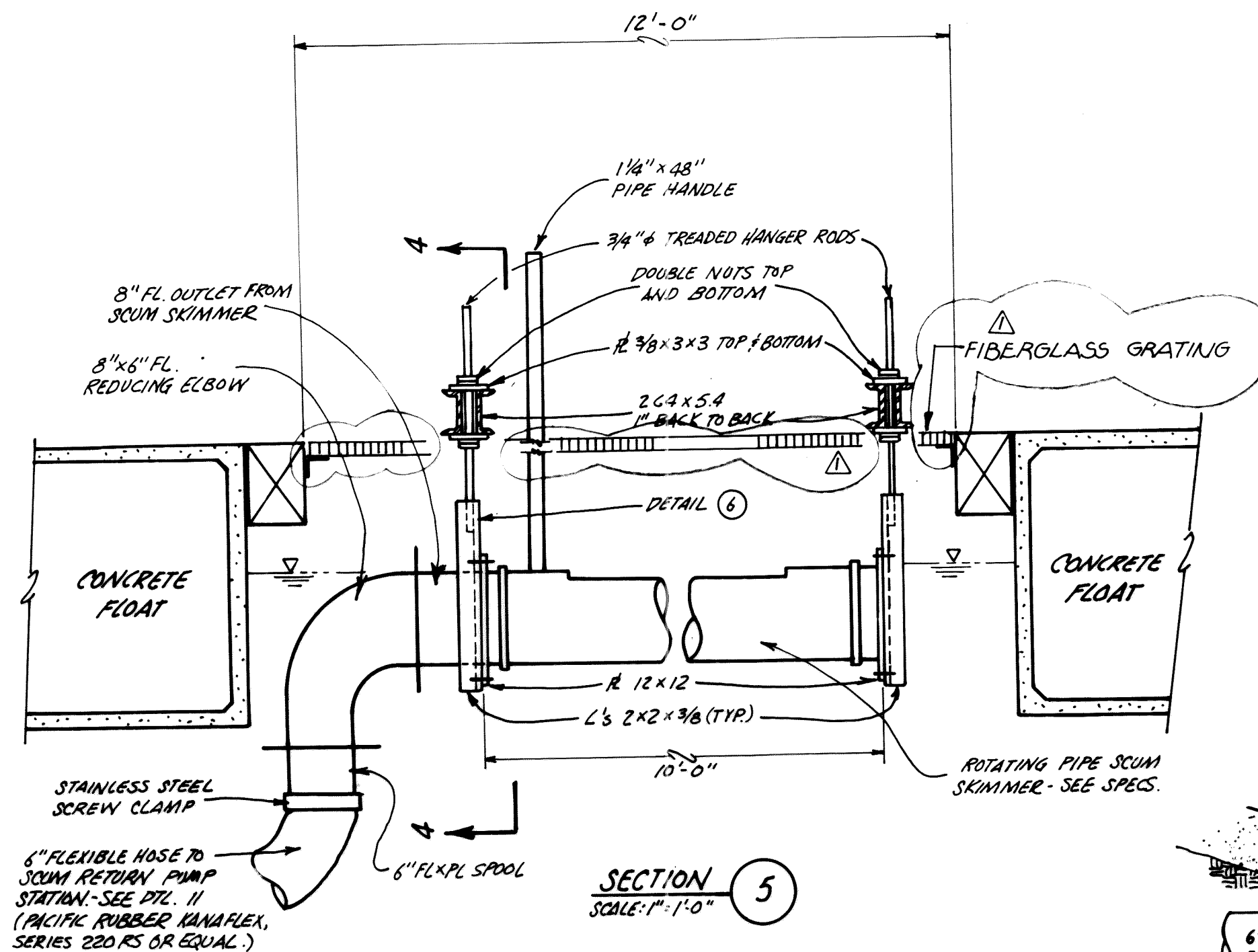
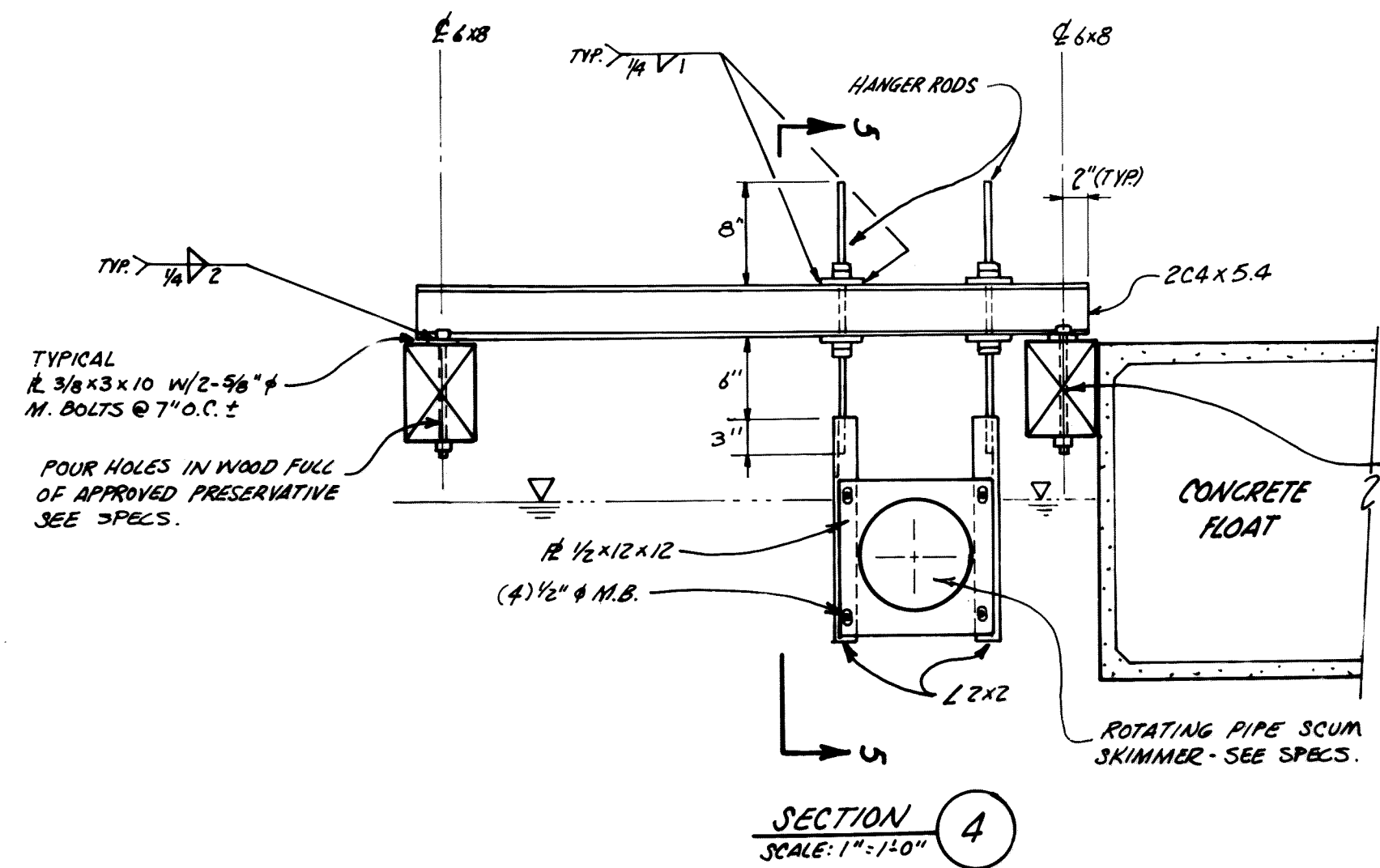


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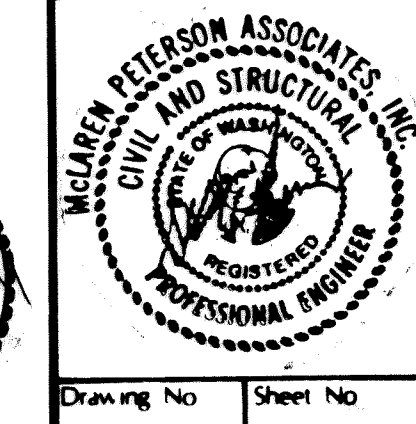
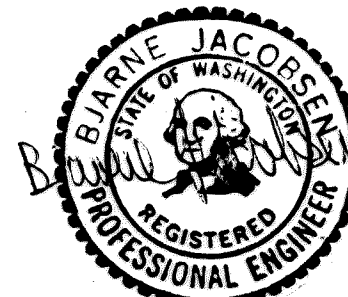
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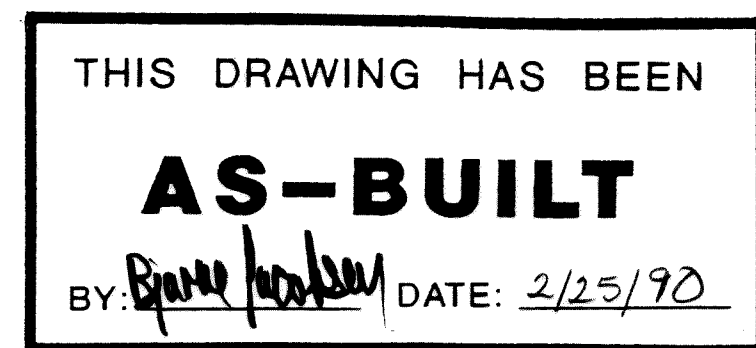
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PLAN.	ONE LINE DIAGRAM	CONTROL DIAGRAM.	DESCRIPTION
			MOTOR, NUMBER INSIDE CIRCLE INDICATES HORSEPOWER
			M - MAGNETIC MOTOR STARTER
			PUSHBUTTON
			SELECTOR SWITCH, HAND - OFF - AUTO
			CR - CONTROL RELAY
			FS - FLOAT SWITCH
			THERMAL OVERLOAD HEATER
			TIME DELAY CONTACT
			FUSE
			CIRCUIT BREAKER (RATING AND NUMBER OF POLES AS INDICATED)
			THERMAL MAGNETIC CKT BREAKER TRIP
			INDICATING LIGHT
			METER: A=AMMETER, P=PRESSURE INDICATOR, F=FLOW INDICATOR RTM=RUNNING TIME METER
			NEUTRAL BUS
			GROUND BUS
			NORMALLY OPENED CONTACT
			NORMALLY CLOSED CONTACT
			TERMINAL FOR REMOTE WIRING

ELECTRICAL

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