



CITY OF BISHOP

377 West Line Street - Bishop, California 93514

Post Office Box 1236 - Bishop, California 93515

760-873-8458 publicworks@ca-bishop.us

www.ca-bishop.us/CityofBishopPublicWorks.htm

Request For Proposals

Engineering of Wastewater Treatment Plant Headworks Project

Release: 12 January 2010

Close: 19 February 2010

Contact: David Grah, Director of Public Works

General: The City of Bishop requests proposals for engineering services for a project to construct new headworks for the wastewater treatment plant.

The purpose of the headworks project is improve the efficiency, effectiveness, and safety of the screening and grit removal processes at the city wastewater treatment plant in a way that reduces the handling of waste and reduces maintenance.

The city's wastewater system serves a permanent population of about 3,500 through about 1,100 service accounts. The sewer collection system consists of about 16 miles of sewer main and sewer trunk. The treatment plant consists of a bar screen, grit chamber, two clarifiers, two digesters, 6 ponds, and agricultural irrigation. The plant's capacity is 1.6 million gallons per day. Current average waste water flow is 800,000 gallons per day. The city plant is adjacent to the plant of a community sewer district.

Existing Headworks: The existing headworks consists of a bar screen, grit chamber, and grit drying beds.

The bar screen includes two spray bars, one spraying wastewater, one spraying fresh water. The mechanical screen dumps screened material into a tray. Twice a day, material is shoveled from the tray into a wheelbarrow and then into a commercial trash receptacle.

See attached plan, concept profile, and aerial photograph. The grit chamber is located immediately downstream of the bar screen. Twice a day, grit is raked to a deepened section of the chamber and then pumped to grit drying beds.

The grit drying beds are located adjacent to the sludge drying beds and must be cleaned by hand. When grit is dry, it is shoveled out and disposed of commercially.

Desired Headworks: The desired headworks would achieve the project purpose at current and design flows. We anticipate the replacement of the bar screen, grit chamber, and grit drying beds with a grinder, aerated grit chamber, and automated grit dewatering and disposal or equivalent components with minimum waste handling and minimum exposure of workers to hazards.

The desired headworks could include the realignment of a portion of the sewer trunk entering the plant and could anticipate the eventual complete reconstruction of the sewer trunk at a higher elevation, particularly if that was of significant benefit to the function of a new headworks system.

Scope of Work: The scope of this Request for Proposals (RFP) is for the technical planning, design, construction document preparation, procurement support (if any), bidding support, and construction inspection and testing for the headworks project. It is likely the scope of the RFP would be contracted in two or three phases with the first phase being the work through contraction document preparation. Later phases are likely to be added to the contract by amendment.

Proposal: A qualifying proposal must address the entire scope of work and include:

1. Brief description of firm, contact person, address, telephone number, and e-mail address.
2. Resumes of staff involved.
3. Description of approach to work and description of proposed delivery products.
4. Three references at small agencies where firm has implemented similar projects.
5. Proposed work schedule.
6. Proposed basis of compensation.
7. Estimated cost and assumptions used to develop estimate.

Proposals must be received no later than 1500 (3 pm) on the closing date of this Request for Proposals (RFP). Send proposals to:

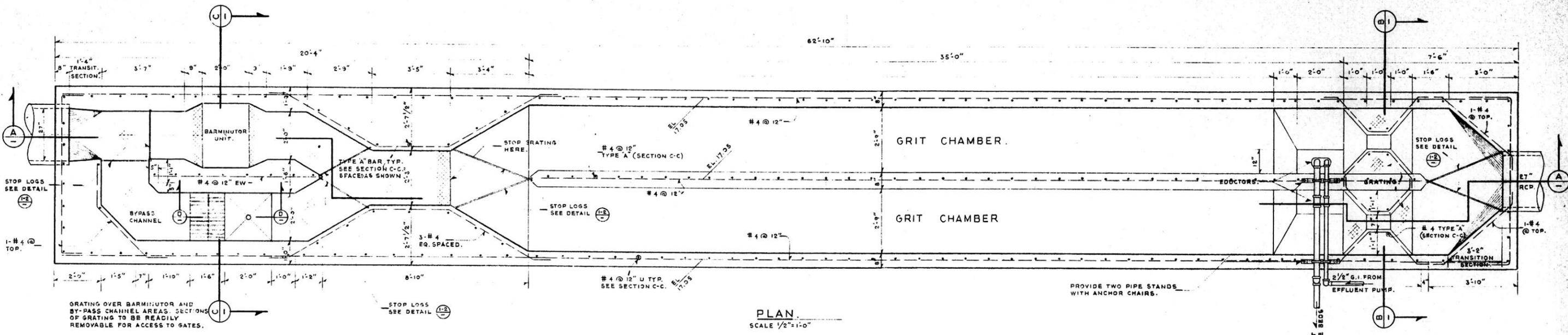
David Grah
Director of Public Works
City of Bishop
377 West Line Street
Bishop, California 93514
publicworks@ca-bishop.us

Three paper copies and one electronic copy of the proposal shall be submitted in a sealed envelope which is clearly marked with the title of the RFP.

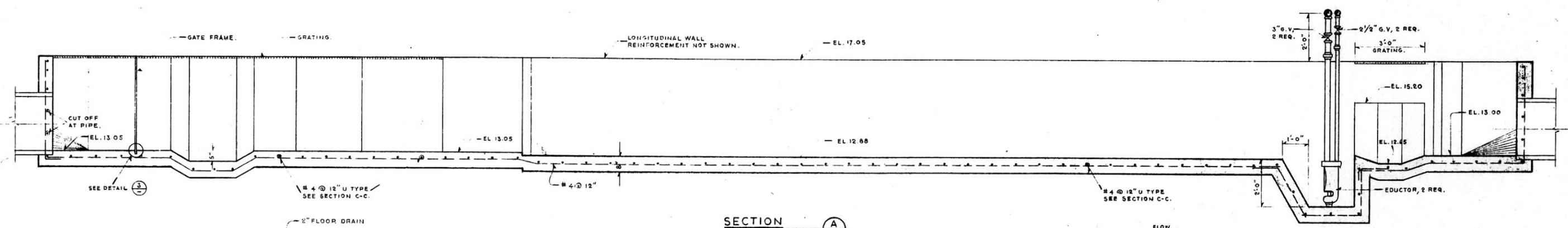
Selection Process: The consultant will be selected based on the experience and ability of the firm and staff to accomplish the scope of work, based on the proposal and considering the effective use of funds. Each firm will be rated based on the requirements of this RFP and using the following criteria and rating schedule.

Evaluation Criteria	Possible Rating Points
High level of technical expertise with headworks projects.	20
Quality of proposed project delivery products.	20
Experience successfully implementing headworks projects for small municipalities.	20
Able to maintain excellent client service over life of project.	20
Able to deliver product cost effectively and in a timely way.	20
Total	100

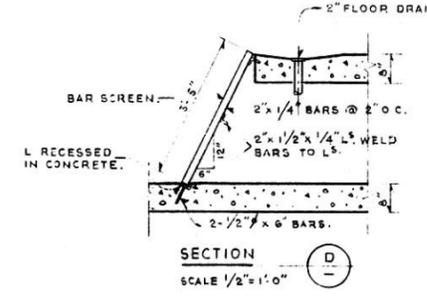
The City will attempt to negotiate contracts with the highest rated firm. The City reserves the right to reject any or all proposals, to waive minor irregularities in said proposals, or to negotiate minor deviations with the successful firm.



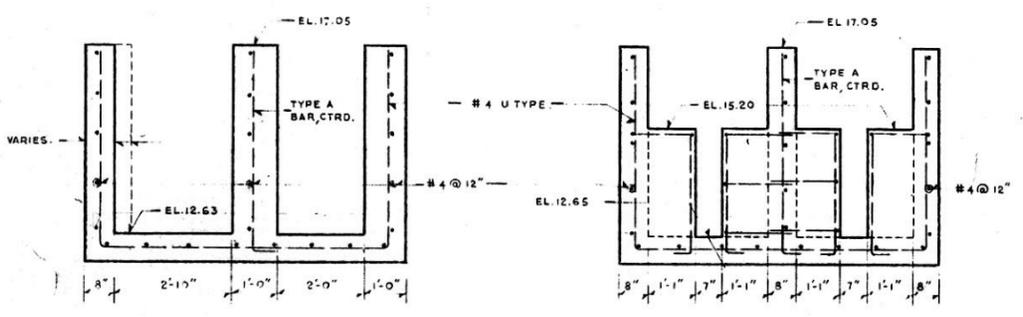
PLAN.
SCALE 1/2"=1'-0"



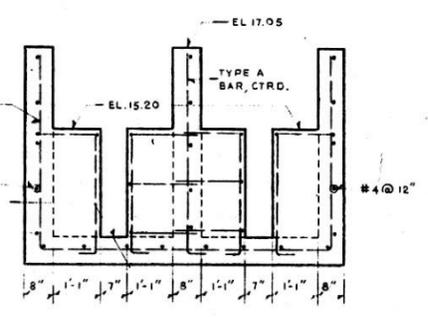
SECTION A-A
SCALE 1/2"=1'-0"



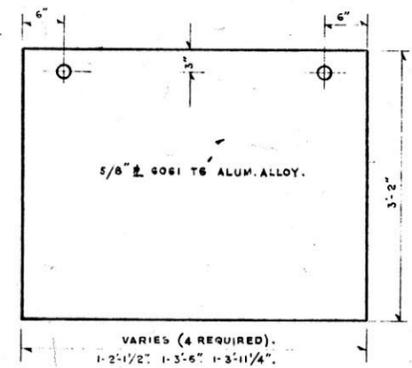
SECTION D-D
SCALE 1/2"=1'-0"



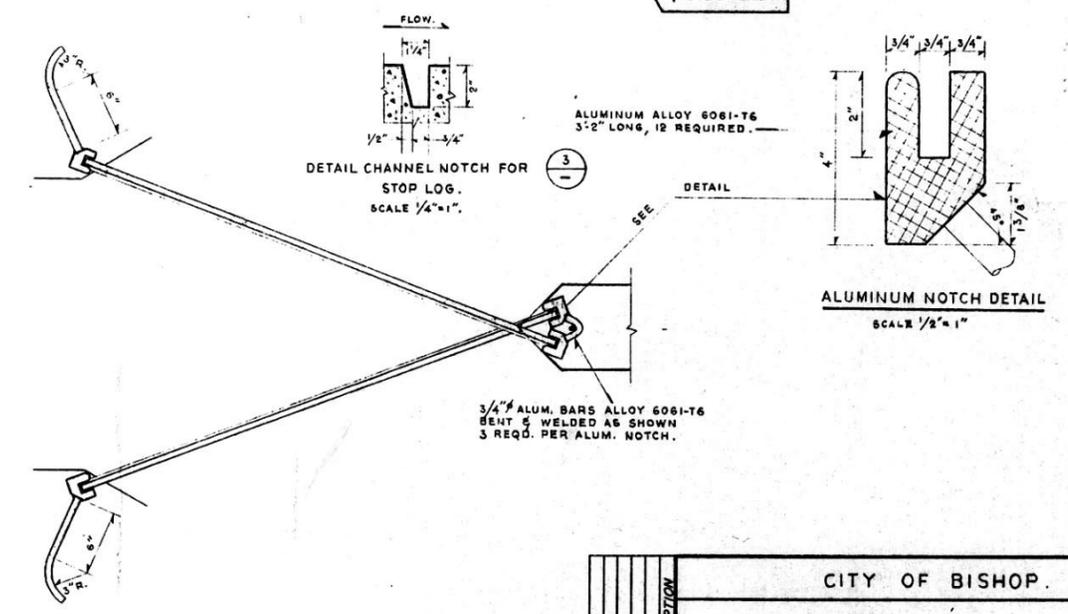
SECTION C-C
SCALE 1/2"=1'-0"



SECTION B-B
SCALE 1/2"=1'-0"

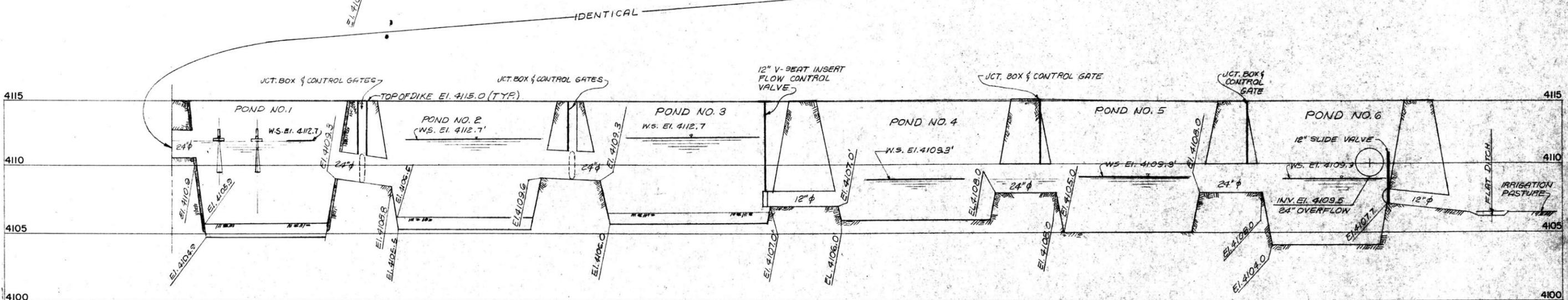
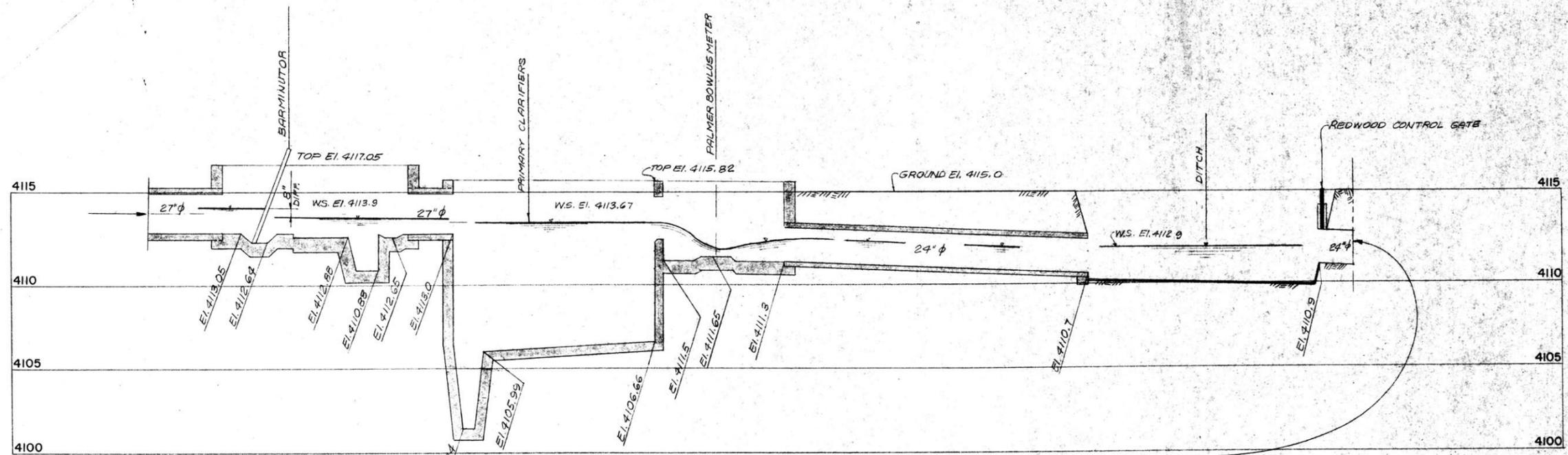


STOP LOG DETAIL I
SCALE 1"=1'-0"



STOP LOG NOTCH DETAIL II
SCALE 1/2"=1'-0"

CITY OF BISHOP.	
BARMINATOR & GRIT CHAMBER	
APPROVED: <i>Russell G. Suding</i> Civ. Engineer	RE. 6953.
DATE: Jan. 18, 1960	SHEET 5 OF SHEETS
SCALE AS SHOWN.	DRAWING NO. 5
CAL ENGINEERS CIVIL & SANITARY ENGINEERS 150 E. FOOTHILL BLVD. ARCADIA, CALIFORNIA.	



JOB NO. 520		DATE 8/24/78	
DRAWN S.A.		DATE 7/13/78	
CHECKED JES		DATE 8/26/78	
REVISIONS			
NO.	DATE	DESCRIPTION	BY



GRAM/PHILLIPS ASSOCIATES, INC.
 ENGINEERING/RESEARCH
 ENVIRONMENTAL SYSTEMS
 1000 EAST WALNUT STREET/SUITE 202/PASADENA, CALIFORNIA 91106/PHONE (213) 851-0221

CITY OF BISHOP
 HYDRAULIC PROFILE



City of Bishop
Wastewater Treatment Plant Headworks Project
Aerial Photograph