

Staff Report

for the Board of Director's Meeting, January 25, 2017

TO: Board of Directors
FROM: Gary D. King, Engineering Manager
DATE: January 18, 2017

SUBJECT: Tarr Canal Modifications – Gillette Property (WO# 8280)

ENGINEERING

RECOMMENDATION:

Award contract to Hanson Brothers for the Tarr Canal Modifications in the amount of \$187,536 and authorize the General Manager to execute the necessary documents.

BACKGROUND:

The intent of this project is to pipe the existing Tarr Canal at the intersection of a ravine that crosses Strubels Lane and the ravine is a tributary to Dry Creek. The ravine and multiple stormwater pipes convey storm water into the Districts canal. This water has caused numerous over toppings of the canal. These over toppings have led to claims and degradation of the canal system in this area.

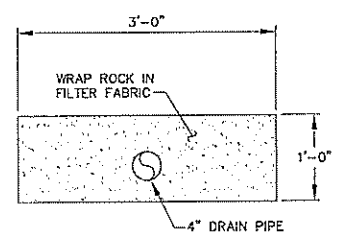
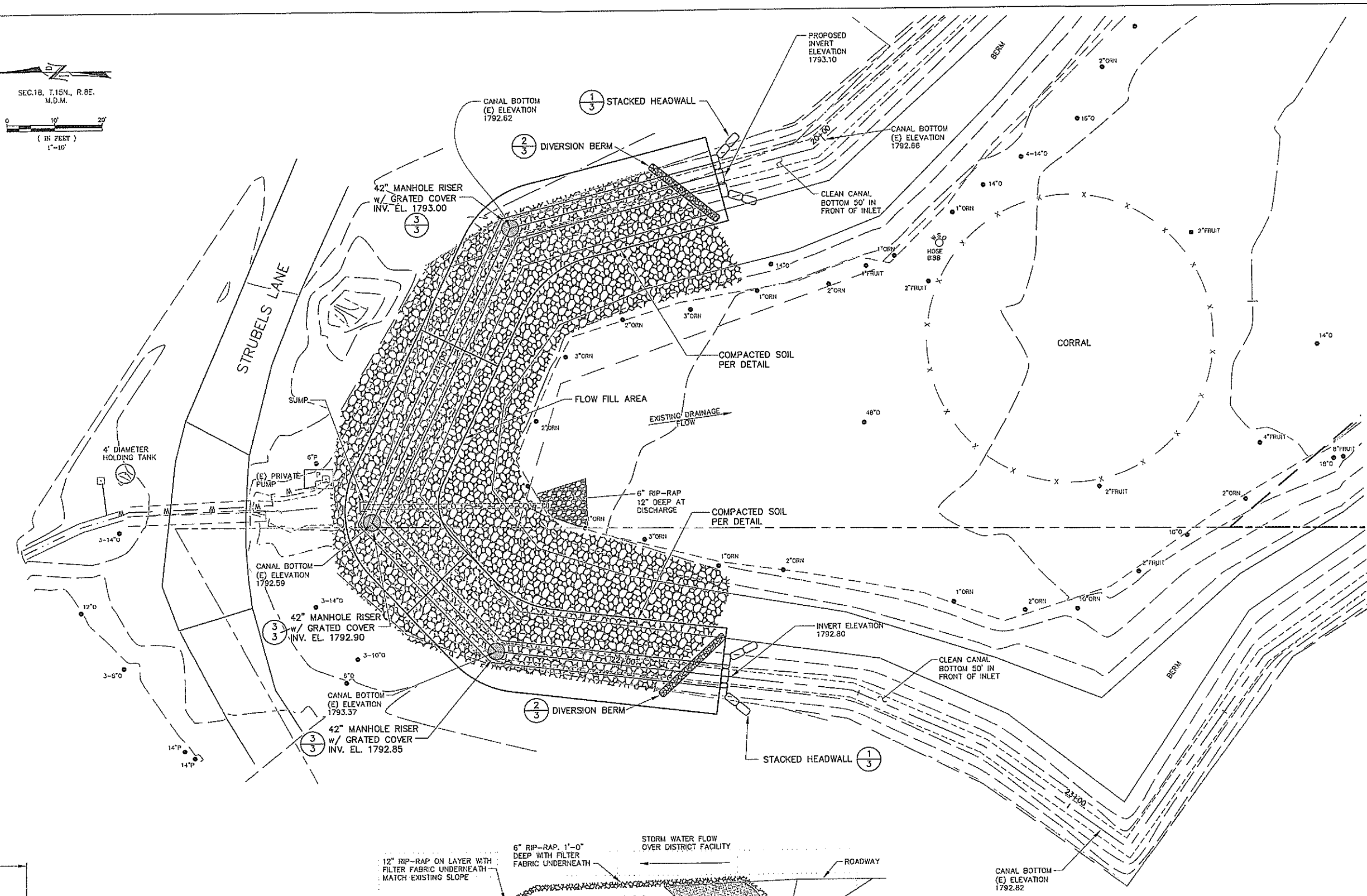
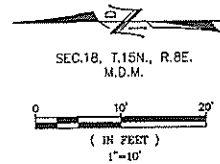
The project was bid out to six contractors and the District received one bid from Hanson Brothers. Review of the bid the costs appear reasonable to the amount and size of piping involved.

It is the recommendation of staff to approve a contract with Hanson Brothers for this work.

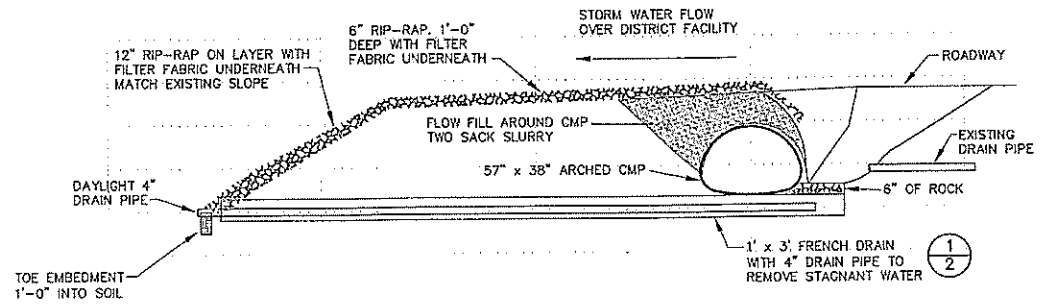
BUDGETARY IMPACT:

The project is currently budgeted in the Raw Water System Improvement program and this year's budget for that program is \$900,000.

Attached: Sheet 2 of 3 of the plans



FRENCH DRAIN DETAIL 1
NOT TO SCALE



TYPICAL CANAL CROSS SECTION
NOT TO SCALE

CANAL FLOW = 17.74(2032) + 25% = 22.2 CFS.



INITIALS	REVISION	DATE	REV. NO.

N.I.D.
NEVADA IRRIGATION DISTRICT
NEVADA COUNTY — PLACER COUNTY
GRASS VALLEY
CALIFORNIA

TARR CANAL MODIFICATIONS
GILLETTE PROPERTY
PLAN, SECTION AND DETAILS

DESIGNED:	DATE:	JOB NO.	8280
APPROVED BY:	DATE:	SERIAL NO.	5270
CHECKED:	DATE:	SHEET NO.	2 of 3

12/27/2016 1:08PM PROJECT: TARR CANAL MODIFICATIONS GILLETTE PROPERTY - PLACER COUNTY, CALIFORNIA