

RESOLUTION NO. 5085

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLEDAD APPROVING TASK ORDER #19 FROM HARRIS & ASSOCIATES IN THE AMOUNT OF \$83,880 FOR ENGINEERING SERVICES FOR THE CITY'S WASTEWATER EFFLUENT REUSE PROJECT – PHASE II, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAID TASK ORDER ON BEHALF OF THE CITY OF SOLEDAD

WHEREAS, the City of Soledad desires to produce and utilize reclaimed wastewater, wherever possible and practical, to offset use of and thereby conserve groundwater; and

WHEREAS, on December 15, 2010, Council authorized submittal of a Proposition 84 grant application with Soledad as the lead agency to the CA Department of Water Resources (DWR) for an Integrated Regional Water Management (IRWM) grant for a reclaimed water delivery system project for agricultural and recreation areas in and near the City of Soledad; and

WHEREAS, on March 6, 2013, Council authorized the City to accept a Proposition 84 grant from the CA Department of Water Resources with the City as the lead agency for the administration of the grant; and

WHEREAS, City Council retained Harris and Associates to provide on-call engineering design, construction management and post construction services for Water Projects; and

WHEREAS, Harris & Associates has submitted Task Order No. 19 for engineering services for the preliminary design of a reclaimed wastewater transmission line and pump station, in the sum of \$83,880; and

WHEREAS, funding for Task Order No. 19 will come from the IRWM Grant, with the City's match drawn from the Water Capital Fund.

NOW THEREFORE, BE IT HEREBY RESOLVED, by the City Council of the City of Soledad that Task Order #19 from Harris & Associates in the amount of \$83,880, a copy of which is attached hereto as Exhibit "A" and by reference incorporated herein, is hereby approved and the City Manager is hereby authorized and directed to execute the same on behalf of the City of Soledad.

PASSED AND ADOPTED by the City Council of the City of Soledad at a regular meeting duly held on the 6th day of May, 2015, by the following vote:

AYES, and in favor thereof, Councilmembers: Christopher K. Bourke, Richard J. Perez, Patricia D. Stephens, Mayor Pro Tem Alejandro Chavez and Mayor Fred J. Ledesma

NOES, Councilmembers: None.


ABSTAIN, Councilmembers: None.

ABSENT, Councilmembers: None.

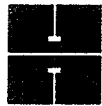


FRED J. LEDESMA, Mayor

ATTEST:



ADELA P. GONZALEZ, City Clerk



April 10, 2015

Don Wilcox, Public Works Director
City of Soledad
P.O. Box 156
Soledad, CA 93960

**Subject: Revised Scope and Fee for Preliminary Design of Reclaimed Wastewater
Transmission Line
(IRWM Prop 84 Grant Project)
Phase 1: Preliminary Design
Water Resources Engineering Contract - Task #19**

I. PROJECT DESCRIPTION.

In 2010, the City of Soledad completed upgrades to their 5.5 MGD Water Reclamation Facility (WRF). Starting at the WRF, approximately 10,200 LF of 8" PVC C-900 reclaimed water (RCW) pipeline has already been installed. Approximately 3,700 LF of the pipeline was installed roughly 20 years ago and has not been put into service. The condition of this section is unknown, but it is assumed to be in serviceable condition. In addition, a portion of the pipeline is now connected on an interim basis to the City's potable water system to service landscape areas and also, likely to be connected to the Jehovah Witness Church located on Moranda Road.

The project will include the installation of 4,300 LF of reclaimed water pipeline (connecting the existing distribution lines) and the construction of a water pump station to expand its services. A Conceptual Design report prepared by Norris Associates (June 2012) laid out a preliminary alignment for the new pipeline. See *FIGURE-1 for limits of work*. One section will start at the proposed pump station at the WRF, and run for approximately 1,000 LF along an unpaved City right-of-way to connect with the existing 8-inch RCW that runs north and parallels the City interceptor sewer. The second section will connect at the northern end of the 8-inch RCW and run for approximately 2,000 LF along the south side of the Union Pacific Railroad (UPRR) right of way, cross Highway 101 and, then cross under the tracks and proceed another 1,300 LF, crossing Front Street and continuing up San Vincent Road to connect to the existing 8-inch RCW. Analysis will be required to confirm the best alignment for the new pipeline sections. Some factors to consider:

- Caltrans is in the process of design the highway northbound overhead structure. It will be widened approximately nine feet toward the highway median, so it is assumed that the bridge footings will be extended approximately nine feet.

- Avoid conflicts with existing utilities, such as existing large transmission gas lines.
- Locate the best locations for crossing railroad and Highway 101.
- Coordinate RCW alignment with the portion of the City's future 84-inch storm drain that will run along San Vicente Road, between Front Street and Iris Place.

II. SCOPE OF WORK

The project will be broken into three phases:

1. Preliminary Design
2. Final Design & Regulatory Agency Permitting
3. Construction Management and Post-Construction

This Task Order is to provide engineering services for the Preliminary Design Phase. This phase will evaluate and test the existing RCW piping, investigate right-of-way issues for the new piping, determine the preliminary alignment of the pipe and permitting requirements, and provide a preliminary design for the new pump station. Harris will provide the following services:

A. PRELIMINARY-DESIGN PHASE

The initial phase of work will include the following items to establish project design parameters:

1. Meet with staff to obtain initial input for the project and meet once every two (2) weeks thereafter through final design to discuss project status, including maintaining minutes of all meetings. 3 Meetings are budgeted
2. Visit (and photograph) the project areas and identify potential constraints including adjacent uses, access to the site, access to adjacent property, existing utilities and other potential project area limitations.
3. Our subconsultant, Monterey Bay Engineers, will obtain and utilize topography and orthophoto imagery available from the Central Coast Joint Data Committee.
4. Monterey Bay Engineers will locate and map right of way onto the base drawing.
5. Obtain all as-builts and utility records and map onto the base drawing for the project area as needed to determine any potential for utility conflicts.

and pressure testing on this existing line. This effort does not include locating any leaks. The City will provide access to the existing pipe.

Our level of effort shown on Attachment A will be provided on an "hourly not-to-exceed" basis.

Additional efforts (i.e. additional task items unforeseen at the authoring of this task order) will be provided under a subsequent authorization.

Please contact Frank Lopez at (831) 233-9242 with any questions on our scope or fee.

Regards,
HARRIS & ASSOCIATES, Inc.



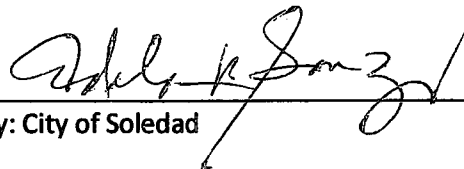
Jasmine Cuffee, PE
Director, Engineering Services
Manager of Civil Design

HARRIS & ASSOCIATES, Inc.



Frank S. Lopez, PE, QSD, CFM
Project Director

Accepted:

 5-11-2015
By: City of Soledad Date

City Council approved 05.06.2015 by Reso No. 5085

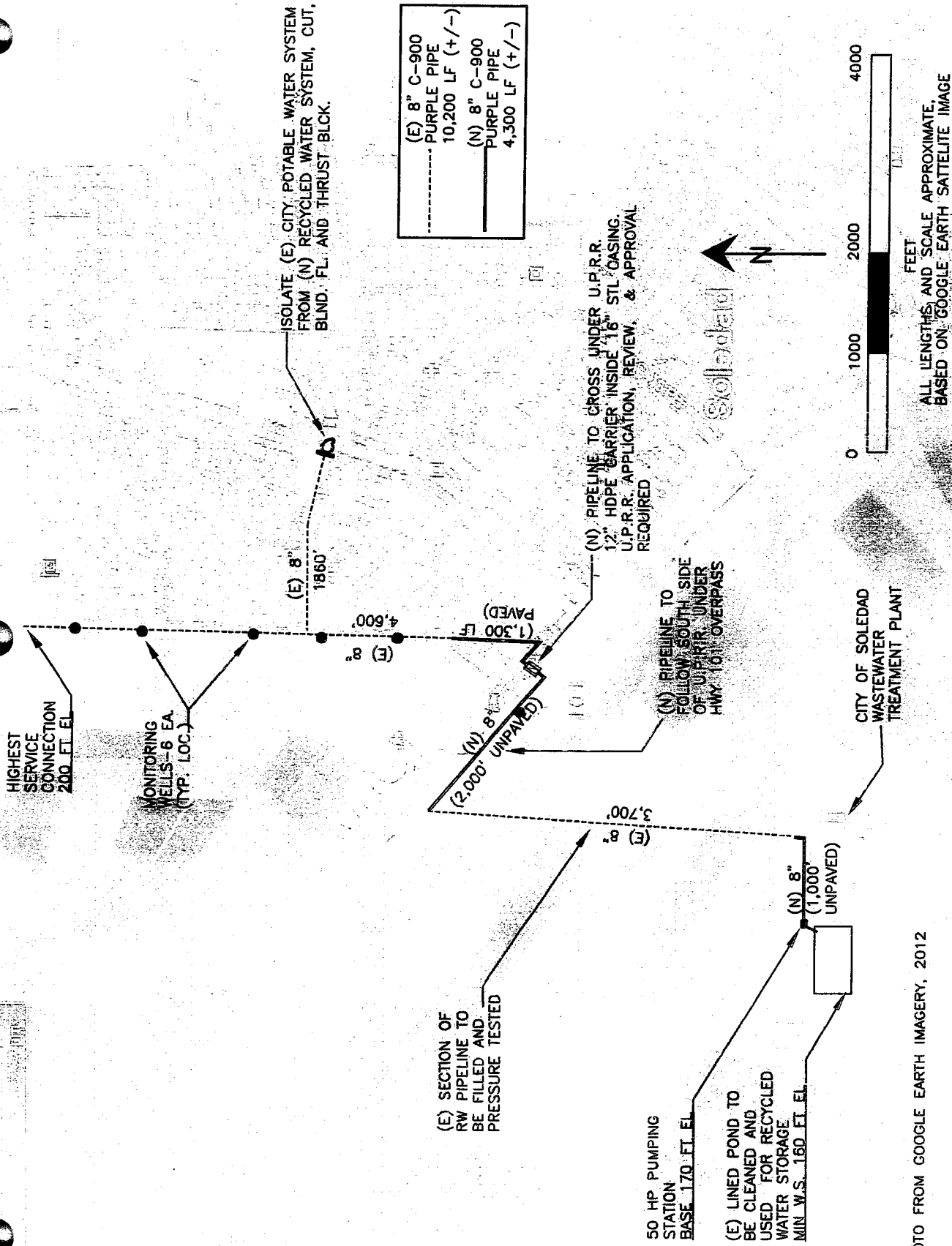
LEVEL OF EFFORT
City of Soledad - Reclaimed Wastewater Transmission Line
Preliminary Design Phase

HARRIS & ASSOCIATES

Date: 3/6/15
 Revised Draft Soledad - RCW - fee estimate.xlsx

TASK, PHASE, DESCRIPTION	STAFF	Design Services					CM and Inspection Services			TOTALS
		Program Mgr	PD QA/QC	Project Manager	Design Engineer	Clerical	Construction Manager	Inspector	CC Admin	
		F Lopez	J Cuffee	K Maire	D Wilkins					
		HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	
1	Project Management									
1.A	Preliminary Design Phase									
1	Project Management, contract and subconsultant coordination			8		6				
2	Meetings with City, 2 week interval, assume 3 meetings	6	6	6	6	4				
3	Program Manager/City Point of Contact	24								
	SUBTOTAL HOURS	30	6	14	6	10	0	0	0	66
	SUBTOTAL DOLLARS	\$5,100	\$1,260	\$2,170	\$720	\$950	\$0	\$0	\$0	\$10,200
2	Preliminary Investigation									
2.A	Review Existing Information									
1	Review previous reports, flow monitoring data, record drawings, easement files		4	8	16					
2	Field Visits		2	10	10					
2.B	Mapping and ROW Investigations									
1	Topo and ROW mapping, see subconsultant cost below		1	4	8					
2.C	Conduct Utility Investigations									
1	Coordinate/obtain/review exist utility plans from other agencies.		2	4	24					
2.D	Permitting Coordination									
1	Coordination with Caltrans		2	8	6					
2.E	Preliminary Design Report									
1	Report and schematic drawings preparation		4	38	40	8				
2	Schedule and Cost Estimate preparation		4	10	10					
3	QA/QC Review		8							
	SUBTOTAL HOURS	0	27	60	116	8	0	0	0	231
	SUBTOTAL DOLLARS	\$0	\$5,670	\$12,400	\$13,920	\$760	\$0	\$0	\$0	\$32,750
A. HARRIS HOURS AND COST										
	HOURS PER POSITION	30	33	94	122	18	0	0	0	297
	HOURLY RATE (TYPICAL)	\$170	\$210	\$155	\$120	\$95	\$0	\$0	\$0	
	SUBTOTAL COST	\$5,100	\$6,930	\$14,570	\$14,640	\$1,710	\$0	\$0	\$0	\$42,950
B. SUBCONSULTANT COSTS										
	FIRM									
1	Mechanical Engineering	Bonneau Dickson, PE							\$8,000	
2	Electrical Engineering	Eric Sandel Associates							\$8,500	
3	Right-of-way determination and mapping	Monterey Bay Engineers, Inc							\$1,800	
4	ROW Consultation	to be done during final design phase with client concurrence							-	
5	Electronic Utility Locating	to be done during final design phase with client concurrence							-	
7	Potholing	to be done during final design phase with client concurrence							-	
8	Geotechnical Investigation	to be done during final design phase with client concurrence							-	
	SUBCONSULTANT TOTAL COST:									\$18,300
C. SUBCONSULTANT MARK-UP (10 %)										
										\$1,830
D. HARRIS DIRECT COSTS (No charges for mileage, postage, computer use nor other misc costs)										
1	Bid Documents Printing									\$0
2	Vehicle at \$1200/mo for 9 months									\$0
										\$0
E. HARRIS OVERHEADS										
										\$0
F. CCTV Inspection and Pressure Testing of Existing RCW										
1	Review CCTV videos and pressure testing results.		1	2	4					
G. HARRIS HOURS AND COST										
	HOURS PER POSITION	0	1	2	4	0	0	0	0	7
	HOURLY RATE (TYPICAL)	\$170	\$210	\$155	\$120	\$95	\$0	\$0	\$0	
	SUBTOTAL COST	0	\$210	\$310	\$480	\$0	\$0	\$0	\$0	\$1,000
H. SUBCONSULTANT COSTS										
	FIRM									
1	CCTV inspection and pressure testing, see note 3 & Subtronic, Inc								\$18,000	
	SUBCONSULTANT TOTAL COST:									\$18,000
I. SUBCONSULTANT MARK-UP (10 %)										
										\$1,800
J. TOTAL COST FOR ADDITIONAL SERVICES										
										\$30,000
K. TOTAL COST FOR TEAM (NOT TO BE USED BASIS)										
										\$83,880

- Assumptions of Fee Estimate:**
- Note 1 To minimize costs for meetings we will use conference and video call technology when appropriate.
 - Note 2 No property line boundary survey is included. Property lines and rights-of-way will be done during final design.
 - Note 3 City will provide access to the existing pipeline for CCTV work.
 - Note 4 Subtronic fee does not include finding and locating any leaks in the existing RCW adjacent to the treatment plant.
 - Note 5 Environmental Services are not included.



(E) 8" C-900 PURPLE PIPE 10,200 LF (+/-)
 (N) 8" C-900 PURPLE PIPE 4,300 LF (+/-)

BASE PHOTO FROM GOOGLE EARTH IMAGERY, 2012

NOTIS ASSOCIATES
 Water and Wastewater Engineering
 PO Box 125, Carmel Valley, CA 95024
 (831) 659-9230
www.naviswengineering.com

CITY OF SOLEDAD
 PO Box 156, Soledad, CA 93960

Water Recycling and Reclamation Project

Conceptual Design, June 2012
Pipeline Layout Schematic

