

RESOLUTION NO. 5095

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLEDAD
APPROVING A TASK ORDER WITH HARRIS AND ASSOCIATES FOR
ENGINEERING DESIGN OF THE SAN VICENTE AND GABILAN STORM DRAIN
AND UPRR RETENTION/DETENTION POND IMPROVEMENTS PROJECTS IN THE
AMOUNT OF \$277,405**

WHEREAS, on March 5, 2014, Council awarded a contract to Harris and Associates to prepare a Stormwater Master Plan (SWMP) to investigate the City's stormwater system's needs and provide conceptual designs, associated planning level cost estimates and a priority list as necessary to develop an updated Capital Improvement Project Program for Stormwater projects; and

WHEREAS, one of the main tasks in the SWMP was to identify any project(s) necessary to prevent flooding such as seen in the City in the mid 1990's; and

WHEREAS, the City has funds in the Stormwater Impact Fee Fund to design and construct allowable projects with; and

WHEREAS, the SWMP was completed and submitted to the City in May 2015 and depicts several projects and priorities necessary to mitigate potential flooding; and

WHEREAS, staff reviewed the SWMP with Harris and Schaaf and Wheeler, Harris's sub-consultant, and recommends proceeding with two high priority projects: San Vicente Storm Drain Pipeline and UPRR Pond Overflow and UPRR Pond Modifications and the Gabilan Storm Drain Pipeline; and

NOW THEREFORE, BE IT HEREBY RESOLVED, by the City Council of the City of Soledad that the Task Order from Harris and Associates for Engineering Design of the San Vicente and Gabilan Storm Drain and UPRR Retention/Detention Pond Improvements Projects, a copy of which is attached hereto as Exhibit "A" and by reference incorporated herein, is hereby approved in an amount not to exceed \$277,405 and the City Manager is authorized and directed to execute the same on behalf of the City.

PASSED AND ADOPTED by the City Council of the City of Soledad at a regular meeting duly held on the 3rd of June, 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

ABSENT, Councilmembers: None

ABSTAIN, Councilmembers: None


FRED J. LEDESMA, Mayor

ATTEST:


ADELA P. GONZALEZ, City Clerk





Harris & AssociatesSM
Shaping the Future, One Project at a TimeSM

April 10, 2015

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

**Subject: Scope and Fee for Design of San Vicente Storm Drain Improvements
With Option to Design Gabilan Storm Drain Improvements
Water Resources Engineering Contract - Task #20**

I. PROJECT DESCRIPTION.

San Vicente Storm Drain Pipeline and UPRR Pond Overflow:

The City's Storm Drain Master Plan, prepared in 2015, identifies two deficiencies in the Lower San Vicente Drainage Area that require high priority improvements. The first is in San Vicente Road from Front Street to Market Street. The Master Plan indicates that in this area, the storm drain main size decreases from 84 inch diameter to as small as 18 inches, creating a choke point and forcing flow into the two upstream detention basins. During the 10-year storm peak, the undersized pipe causes flow to back up into the pond on the corner of Market Street and San Vicente Street and causes flooding on Market Street. The second noted deficiency in need of improvement is at the pond that the main on San Vicente Rd conveys flow to, between UPRR and US Highway 101 (UPRR Pond). The pond currently does not have an outlet and drains through infiltration. The Master Plan indicates that increasing levels in this pond cause surcharging San Vicente Rd and Front St.

This project will include the installation of approximately 1,100 linear feet (LF) of large diameter (estimated 84-inch) storm drain piping on San Vicente Rd from Market St to Front St, as well as installation of approximately 250 LF of overflow piping (estimated 42-inch diameter) from the UPRR Pond to an existing 60 inch mainline. Because the new main on San Vicente would increase flow the UPRR Pond, the pond overflow will need to be constructed first. Analysis will be required to confirm pipe sizes based on capacity from the Master Plan model, and to determine the alignments for the new pipelines sections. The attached FIGURE-1 indicates the approximate limits of work, and project descriptions from the Storm Drain Master Plan are included for reference.

Optional Designs 1 and 2, UPRR Pond Modifications and the Gabilan Storm Drain Pipeline:

In addition to the improvements described above, the City has expressed an interest for a future project to remove the retention basin at the intersection of Gabilan Dr and Toledo St in order to construct a new park. For this future project to be feasible, two major storm drain improvements will be required. Re-routing of storm water for the pond's removal will require

installation of almost 2,300 linear feet of 36-inch to 42-inch main piping on Gabilan Dr from Toledo St to West St (Optional Design 2). The re-routing of flow will increase flow to the Lower San Vicente Drainage Area, described above, and ultimately the UPRR pond. The increased flow to the UPRR pond will create the need modify the pond to increase its capacity (Optional Design 1). The Master Plan indicates that approximately 4 feet of the pond will need to be excavated (5,500 cubic yards). Analysis will be required to confirm pipe sizes, determine the alignment, and design pond improvements. Design of the UPRR pond modifications and the new storm drain main on Gabilan are included as Option Designs 1 and 2, respectively. The Gabilan Storm Drain Pipeline cannot be constructed unless the UPRR Pond Modifications are constructed first. The attached FIGURE-1 indicates the approximate limits of work, and project descriptions from the Storm Drain Master Plan are included for reference.

II. SCOPE OF WORK

This Task Order is to provide engineering services for the Design Phase. Harris will provide the following services:

Task Description	Our Approach	Deliverables
1.1 Monthly Progress Reports	A brief progress report will accompany each monthly Harris invoice. It will discuss budget and schedule status, issues resolved and unresolved, and "next steps."	Monthly progress report.
2.1 Kick-off Meeting	We will meet with City staff to confirm the scope of work, schedule, budget, and availability of project documents; review project goals; discuss format of deliverables; and clarify responsibilities of each party.	Meeting notes with lists, as appropriate (PDF Files)
2.2 Information Gathering and Evaluation	<p>We will gather existing background information about the project including:</p> <ul style="list-style-type: none"> - Preliminary design data - Mapping and aerial photographs - Utility Locations - Permit information - City contract documents <p>This activity will require assistance from City staff in researching documents and resolving design parameters and project issues.</p>	List of requested documents.
2.3 Topographic Survey	Our sub-consultant, Monterey Bay Engineers, will perform a topographic survey of the areas, including existing surface features and utilities.	Survey information incorporated into

Task Description	Our Approach	Deliverables
	<p>For the pipelines within the street, the existing right-of-way and parcel boundaries will not be surveyed, but will be included on base plans in their approximate locations as provided by the City.</p> <p>For the UPRR Pond area, our subconsultant will map right-of-ways of the City, Caltrans, and UPRR.</p>	AutoCAD file
2.4 Existing Utility Locating and Coordination	<p>For the pipelines in the street, our sub-consultant will field locate the existing utilities electronically and survey existing utilities. Existing utility locations will be shown on our plans and profiles.</p> <p>We will contact each existing utility company to obtain their utility maps and confirm their facilities locations.</p> <p><i>As an additional optional service, our Subconsultant can provide potholing of existing utilities to determine exact utility locations at critical areas (not included).</i></p>	Existing utility locations on base layout sheets
2.5 Site Visits	Site visits will be ongoing throughout the design process to determine if there are any potential constraints to the proposed construction (2 site visits budgeted).	
2.6 Pipeline Sizing	Based on peak flows provided in the Master Plan, we will perform hydraulic calculations and confirm proposed sizes for the storm drain piping. Given the flat site conditions, oval pipe or rectangular box culverts may be required to match inverts downstream and maintain flow.	
3.0 Preliminary 30% Submittal Package		
3.1 Prelim 30% Plans	To establish preliminary pipeline alignments and design concepts early, and to minimize changes at later stages in the design, we will develop and submit preliminary plans including general sheets, sanitary sewer plan sheets, at the 30% design stage.	Prelim versions of all plans
3.2 30% Preliminary Opinion of Probable Construction Cost	We will prepare a preliminary opinion of probable construction cost.	Itemized cost opinion spreadsheet.
3.3 Quality Control Review	Prior to the preliminary phase submittal, all plans and documents will be reviewed by Harris' Quality Control Manager.	N/A.



Task Description	Our Approach	Deliverables
4.0 65% Submittal Package		
4.1 30% Review meeting	We will attend a review meeting with the City to address comments to the 30% design. Review comments from the City will be incorporated into the 65% design. We will also coordinate with the City by phone and email to resolve design issued to finalize plans.	Meeting notes (PDF file)
4.2 65%Plans	We will develop and submit 65% plans including general sheets, sanitary sewer plan & profile sheets, and detail sheets at the 65% design stage.	65% versions of all plans
4.3 65% Opinion of Probable Construction Cost	We will prepare a 65% opinion of probable construction cost.	Itemized cost opinion spreadsheet.
4.4 65% Specifications and Contract Documents	At the 65% complete stage we will prepare draft technical specifications and Contract Documents. Technical specifications will be based upon City standard documents.	Draft 65% Contract Documents & Specifications
4.5 Quality Control Review	Prior to the 65% phase submittal, all plans and documents will be reviewed by Harris' Quality Control Manager.	N/A.
5.0 Pre-Final 90% Submittal Package		
5.1 65% Design Review Meeting	We will attend a review meeting with the City to address comments to the 65% design. Review comments from the City will be incorporated into the 90% design.	Meeting notes (PDF file)
5.2 Pre-final 90%Plans	We will develop and submit pre-final plans including general sheets, sanitary sewer plan & profile sheets, and detail sheets at the 90% design stage.	Pre-final versions of all plans
5.3 90% Preliminary Opinion of Probable Construction Cost	We will prepare a pre-final opinion of probable construction cost.	Itemized cost opinion spreadsheet.
5.4 90% Specifications and Contract Documents	At the 90% complete stage we will prepare draft technical specifications and Contract Documents.	Draft 90% Contract Documents & Specifications



Task Description	Our Approach	Deliverables
5.5 Quality Control Review	Prior to the preliminary phase submittal, all plans and documents will be reviewed by Harris' Quality Control Manager.	N/A.
6.1 90% Design Review Meeting	We will attend a review meeting with the City to address comments to the pre-final design. Review comments from the City will be incorporated into the final design. We will also coordinate with the City by phone and email to resolve design issued to finalize plans.	Meeting notes (PDF file)
6.2 Final Submittal Plans	We will develop and submit final plans for the City to issue for bid.	Bond hardcopy, and PDF and ACAD files for plans.
6.3 Final Opinion of Probable Construction Costs	We will prepare a Final Construction Cost Estimate and bid schedule.	Electronic (excel format) and hardcopy versions of estimate.
6.4 Final Specifications and Contract Documents	We will prepare Final Specifications and Contract Documents.	Electronic and hardcopy versions of specs.
6.5 Quality Review	Prior to the final submittal, all plans and documents will be reviewed by Harris' Quality Control Manager.	N/A
7.1 Pre-Bid Meeting	We will attend the pre-bid meeting scheduled by the City.	
7.2 Answer Bidders Questions	We will answer questions from bidders through City staff during the advertising period. We will log questions and provide City with documented responses.	Log of questions received and answers given, for City to distribute if appropriate.
7.3 Addenda Assistance	We will prepare any required technical or design-related addenda for distribution by the City.	Addenda input for City's use in issuing any addenda.

Our level of effort (on an "hourly not-to-exceed" basis) and assumptions are shown in the attached Exhibit A. Additional effort for the Optional Design of the UPRR Pond Modifications and the Gabilan Storm Drain Pipelines have been separated for City to review.

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.



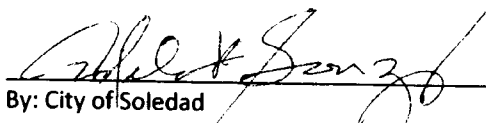
Jasmine Cuffee, PE
Director, Engineering Services
Manager of Civil Design

HARRIS & ASSOCIATES, Inc.



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

Accepted:

 6-7-2015
By: City of Soledad Date

CC approved 6/3/15 Reso. 5095

CITY OF SOLEDAD
STORM DRAIN IMPROVEMENTS PROJECT

TASK, PHASE, DESCRIPTION	STAFF					TOTALS
	Project Manager F Lopez HOURS	PD QA/QC J Cuffee HOURS	Senior Engineer K Maire HOURS	Design Engineer D Wilkins HOURS	Clerical HOURS	
DESIGN - SAN VICENTE STORM DRAIN PIPELINE AND UPRR POND OVERFLOW						
1.0 PROJECT ADMINISTRATION						
1.1 Monthly Progress Reports	6	1	2	1		
SUBTOTAL HOURS	6	1	2	1	0	10
SUBTOTAL DOLLARS	\$1,020	\$210	\$310	\$120	\$0	\$1,660
2.0 INVESTIGATION PHASE						
2.1 Kick-off Meeting	3	2	2	2	2	
2.2 Information Gathering and Evaluation			8	12	2	
2.3 Topographic Survey			2	6		
2.4 Existing Utility Locating and Coordination			2	8		
2.5 Site Visits (2 budgeted)	4		16	16		
2.6 Pipeline Sizing		2	12	6		
SUBTOTAL HOURS	7	4	42	60	4	107
SUBTOTAL DOLLARS	\$1,190	\$840	\$6,510	\$6,000	\$380	\$14,920
3.0 PRELIMINARY 30% DESIGN						
3.1 30% Plans	8	8	40	56	2	
3.2 30% Opinion of Probable Construction Cost		2	8	12		
3.3 Quality Control Review		6				
SUBTOTAL HOURS	8	16	48	68	2	142
SUBTOTAL DOLLARS	\$1,360	\$3,360	\$7,440	\$8,160	\$190	\$20,510
4.0 65% DESIGN						
4.1 30% Design Review Meeting	3	2	2	2	1	
4.2 65% Plans	4	6	40	60	2	
4.3 65% Opinion of Probable Construction Cost		1	4	8		
4.4 65% Specifications and Contract Documents	2	2	24	4	4	
4.5 Quality Control Review		8				
SUBTOTAL HOURS	9	19	70	74	7	179
SUBTOTAL DOLLARS	\$1,530	\$3,990	\$10,850	\$8,880	\$665	\$25,915
5.0 PRE-FINAL 90% DESIGN						
5.1 65% Design Review Meeting	3		2	2	1	
5.2 90% Plans	4	2	32	52	2	
5.3 90% Opinion of Probable Construction Cost		1	4	8		
5.4 90% Specifications and Contract Documents	2	2	12	4	2	
5.5 Quality Control Review		8				
SUBTOTAL HOURS	9	13	50	66	5	143
SUBTOTAL DOLLARS	\$1,530	\$2,730	\$7,760	\$7,920	\$475	\$20,405
6.0 FINAL DOCUMENTS						
6.1 90% Design Review Meeting	3		2	2	1	
6.2 Final Submittal Plans		1	8	20	2	
6.3 Final Opinion of Probable Construction Cost		1	2	6		
6.4 Final Specifications and Contract Documents		2	4		1	
6.5 Quality Control Review		4				
SUBTOTAL HOURS	3	8	16	28	4	59
SUBTOTAL DOLLARS	\$510	\$1,680	\$2,480	\$3,360	\$380	\$8,410
7.0 BID PERIOD SERVICES						
7.1 Pre-Bid Meeting	3		2	2	1	
7.2 Answer Bidders Questions	1	1	4	2		
7.3 Addenda Assistance	2	2	8	8	2	
SUBTOTAL HOURS	6	3	14	12	3	38
SUBTOTAL DOLLARS	\$1,020	\$630	\$2,170	\$1,440	\$285	\$5,545
A. HARRIS DESIGN HOURS AND COST						
HOURS PER POSITION	48	64	242	299	25	
HOURLY RATE (TYPICAL)	\$170	\$210	\$155	\$120	\$95	
HARRIS (Design) SUBTOTAL COST	\$8,160	\$13,440	\$37,510	\$35,880	\$2,375	\$97,365
B. SUBCONSULTANT COST - FIRM						
	ROLE		CODE	FEE		
Subtronic Corporation	Utility Locating		SUBT	\$8,960		
Monterey Bay Engineers, Inc	Topographic Survey & ROW		MBE	\$11,700		
SUBCONSULTANT TOTAL COST:						\$20,660.00
SUBCONSULTANT MARK-UP (10 %)						\$2,066
TOTAL COST WITHOUT OPTIONAL ITEMS (NOT TO EXCEED):						Total : \$120,091.00

CITY OF SOLEDAD
STORM DRAIN IMPROVEMENTS PROJECT

TASK, PHASE, DESCRIPTION	STAFF	Project	PD	Senior	Design	Clerical	TOTALS
		Manager F Lopez HOURS	QA/QC J Cuffee HOURS	Engineer K Maire HOURS	Engineer D Wilkens HOURS	HOURS	
OPTIONAL DESIGN 1- UPRR POND MODIFICATION							
1.0 PROJECT ADMINISTRATION - ADDITIONAL							
1.1 Monthly Progress Reports		-	-	-	-	-	
SUBTOTAL HOURS		0	0	0	0	0	0
SUBTOTAL DOLLARS		\$0	\$0	\$0	\$0	\$0	\$0
2.0 INVESTIGATION PHASE - ADDITIONAL							
2.1 Kick-off Meeting		-	-	-	-	-	
2.2 Information Gathering and Evaluation		-	-	4	6	-	
2.3 Topographic Survey		-	-	2	4	-	
2.4 Existing Utility Locating and Coordination		-	-	1	2	-	
2.5 Site Visits		1	-	4	4	-	
2.6 Pond Sizing		-	1	6	6	-	
SUBTOTAL HOURS		1	1	17	22	0	41
SUBTOTAL DOLLARS		\$170	\$210	\$2,635	\$2,640	\$0	\$5,655
3.0 PRELIMINARY 30% DESIGN - ADDITIONAL							
3.1 30% Plans		2	4	20	32	-	
3.2 30% Opinion of Probable Construction Cost		-	1	4	8	-	
3.3 Quality Control Review		-	4	-	-	-	
SUBTOTAL HOURS		2	9	24	40	0	75
SUBTOTAL DOLLARS		\$340	\$1,890	\$3,720	\$4,800	\$0	\$10,750
4.0 65% DESIGN - ADDITIONAL							
4.1 30% Design Review Meeting		-	-	-	-	-	
4.2 65% Plans		1	2	20	32	-	
4.3 65% Opinion of Probable Construction Cost		-	1	2	4	-	
4.4 65% Specifications and Contract Documents		-	2	2	1	-	
4.5 Quality Control Review		-	2	-	-	-	
SUBTOTAL HOURS		1	5	24	37	1	68
SUBTOTAL DOLLARS		\$170	\$1,050	\$3,720	\$4,440	\$95	\$9,475
5.0 PRE-FINAL 90% DESIGN - ADDITIONAL							
5.1 65% Design Review Meeting		-	-	-	-	-	
5.2 90% Plans		1	1	16	20	1	
5.3 90% Opinion of Probable Construction Cost		-	-	2	4	-	
5.4 90% Specifications and Contract Documents		-	-	1	-	-	
5.5 Quality Control Review		-	2	-	-	-	
SUBTOTAL HOURS		1	3	19	24	1	48
SUBTOTAL DOLLARS		\$170	\$630	\$2,945	\$2,880	\$95	\$6,720
6.0 FINAL DOCUMENTS - ADDITIONAL							
6.1 90% Design Review Meeting		-	-	-	-	-	
6.2 Final Submittal Plans		1	1	4	4	-	
6.3 Final Opinion of Probable Construction Cost		-	-	1	2	-	
6.4 Final Specifications and Contract Documents		-	-	1	-	-	
6.5 Quality Control Review		-	4	-	-	1	
SUBTOTAL HOURS		1	5	6	6	1	19
SUBTOTAL DOLLARS		\$170	\$1,050	\$930	\$720	\$95	\$2,965
7.0 BID PERIOD SERVICES - ADDITIONAL							
7.1 Pre-Bid Meeting		-	-	-	-	-	
7.2 Answer Bidders Questions		1	1	2	2	-	
7.3 Addenda Assistance		-	-	2	2	-	
SUBTOTAL HOURS		1	1	4	4	1	10
SUBTOTAL DOLLARS		\$170	\$210	\$620	\$480	\$0	\$1,480
A. OPTIONAL 1 - HARRIS DESIGN HOURS AND COST							
HOURS PER POSITION		7	24	94	133	3	
HOURLY RATE (TYPICAL)		\$170	\$210	\$155	\$120	\$95	
HARRIS (Design) SUBTOTAL COST		\$1,190	\$5,040	\$14,570	\$15,960	\$285	\$37,045
B. SUBCONSULTANT COST - FIRM							
	ROLE	CODE	FEE				
Monterey Bay Engineers, Inc	Topo Survey and ROW	MBE	\$3,900				
SUBCONSULTANT TOTAL COST:							\$3,900.00
SUBCONSULTANT MARK-UP (10 %)							\$390
C. TOTAL COST OPTIONAL ITEM 1 - UPRR POND MOD. (NOT TO EXCEED):							Total : \$41,335.00

CITY OF SOLEDAD
STORM DRAIN IMPROVEMENTS PROJECT

TASK, PHASE, DESCRIPTION	STAFF	Project Manager	PD	Senior Engineer	Design Engineer	Clerical	TOTALS
	F Lopez	J Cuffee	K Maire	D Wilkens	HOURS	HOURS	
OPTIONAL DESIGN 2- GABILAN STORM DRAIN PIPELINE							
1.0 PROJECT ADMINISTRATION - ADDITIONAL							
1.1 Monthly Progress Reports	2	1	-	-	-	-	
SUBTOTAL HOURS	2	1	0	0	0	0	3
SUBTOTAL DOLLARS	\$340	\$210	\$0	\$0	\$0	\$0	\$550
2.0 INVESTIGATION PHASE - ADDITIONAL							
2.1 Kick-off Meeting	-	-	-	-	-	-	
2.2 Information Gathering and Evaluation	-	-	12	16	-	2	
2.3 Topographic Survey	-	-	4	8	-	-	
2.4 Existing Utility Locating and Coordination	-	-	4	10	-	-	
2.5 Site Visits (2 budgeted)	4	-	8	8	-	-	
2.6 Pipeline Sizing	-	1	6	4	-	-	
SUBTOTAL HOURS	4	1	34	46	2	2	87
SUBTOTAL DOLLARS	\$680	\$210	\$5,270	\$5,520	\$190	\$190	\$11,870
3.0 PRELIMINARY 30% DESIGN - ADDITIONAL							
3.1 30% Plans	10	12	48	60	2	-	
3.2 30% Opinion of Probably Construction Cost	-	2	8	12	-	-	
3.3 Quality Control Review	-	8	-	-	-	-	
SUBTOTAL HOURS	10	22	56	72	2	2	162
SUBTOTAL DOLLARS	\$1,700	\$4,620	\$8,580	\$8,640	\$190	\$190	\$23,830
4.0 65% DESIGN - ADDITIONAL							
4.1 30% Design Review Meeting	-	-	-	-	-	-	
4.2 65% Plans	6	8	40	60	1	-	
4.3 65% Opinion of Probably Construction Cost	-	1	8	12	-	-	
4.4 65% Specifications and Contract Documents	1	1	8	2	1	-	
4.5 Quality Control Review	-	8	-	-	-	-	
SUBTOTAL HOURS	7	18	56	74	2	2	157
SUBTOTAL DOLLARS	\$1,190	\$3,780	\$8,580	\$8,580	\$190	\$190	\$22,720
5.0 PRE-FINAL 90% DESIGN - ADDITIONAL							
5.1 65% Design Review Meeting	-	-	-	-	-	-	
5.2 90% Plans	4	2	32	52	1	-	
5.3 90% Opinion of Probably Construction Cost	-	1	4	8	-	-	
5.4 90% Specifications and Contract Documents	1	1	4	1	1	-	
5.5 Quality Control Review	-	8	-	-	-	-	
SUBTOTAL HOURS	5	12	40	61	2	2	120
SUBTOTAL DOLLARS	\$850	\$2,520	\$6,200	\$7,320	\$190	\$190	\$17,080
6.0 FINAL DOCUMENTS - ADDITIONAL							
6.1 90% Design Review Meeting	-	-	-	-	-	-	
6.2 Final Submittal Plans	-	2	8	16	2	-	
6.3 Final Opinion of Probable Construction Cost	-	1	2	4	-	-	
6.4 Final Specifications and Contract Documents	-	1	2	-	1	-	
6.5 Quality Control Review	-	4	-	-	-	-	
SUBTOTAL HOURS	0	8	12	20	3	3	43
SUBTOTAL DOLLARS	\$0	\$1,680	\$1,860	\$2,400	\$285	\$285	\$6,225
7.0 BID PERIOD SERVICES - ADDITIONAL							
7.1 Pre-Bid Meeting	-	-	-	-	-	-	
7.2 Answer Bidders Questions	1	1	4	2	-	-	
7.3 Addenda Assistance	-	-	6	6	2	-	
SUBTOTAL HOURS	1	1	10	8	2	2	22
SUBTOTAL DOLLARS	\$170	\$210	\$1,550	\$960	\$190	\$190	\$3,080
A. OPTIONAL 1 - HARRIS DESIGN HOURS AND COST							
HOURS PER POSITION	29	63	208	281	13	-	
HOURLY RATE (TYPICAL)	\$170	\$210	\$155	\$120	\$95	-	
HARRIS (Design) SUBTOTAL COST	\$4,930	\$13,230	\$32,240	\$33,720	\$1,235	-	\$85,355
B. SUBCONSULTANT COST - FIRM							
	ROLE		CODE	FEE			
Subtronic Corporation	Utility Locating		SUBT	\$17,640			
Monterey Bay Engineers Inc	Topographic Survey		MBE	\$10,200			
SUBCONSULTANT TOTAL COST:							\$27,840.00
SUBCONSULTANT MARK-UP (10 %)							\$2,784
TOTAL COST OPTIONAL ITEM 2 - GABILAN SD PIPELINE (NOT TO EXCEED):							Total : \$115,979.00

CITY OF SOLEDAD
STORM DRAIN IMPROVEMENTS PROJECT

TASK, PHASE, DESCRIPTION	STAFF	Project	PD	Senior	Design	Clerical	TOTALS
		Manager	QA/QC	Engineer	Engineer		
		F Lopez	J Cuffee	K Maire	D Wilkens		
		HOURS	HOURS	HOURS	HOURS	HOURS	

SUMMARY OF COSTS:		
1 SAN VICENTE STORM DRAIN PIPELINE AND UPRR POND OVERFLOW:	Total :	\$120,091.00
2 ADDITIONAL COST FOR OPTIONAL DESIGN 1 - UPRR POND MODIFICATIONS:	Total :	\$41,335.00
3 ADDITIONAL COST FOR OPTIONAL DESIGN 2 - GABILAN STORM DRAIN PIPELINE:	Total :	\$115,979.00
4 TOTAL PROJECT COST W/ OPTIONAL DESIGNS (NOT TO EXCEED):	Total :	\$277,405.00

ASSUMPTIONS:

1 Assumed plan sheet list:

San Vicente Storm Drain Pipeline and UPRR Pond Overflow		
Description	Scale	# Sheets
General Sheets		
Title Sheet	-	1
Notes, Legend, and Abbreviations	-	1
Keymap	-	1
Storm Drain Sheets		
Plan and Profile/Cross Section Sheets	20	4
Detail Sheets	None	3
TOTAL PLAN SHEETS (W/O OPTIONAL DESIGNS)		10
Optional Design 1 - Gabilan Storm Drain Pipeline		
Description	Scale	# Sheets
Additional Storm Drain Sheets		
Plan and Profile Sheets	20	6
Detail Sheets	None	2
OPTIONAL DESIGN 1 - ADDITIONAL PLAN SHEETS		8
Optional Design 2 - Gabilan Storm Drain Pipeline		
Description	Scale	# Sheets
Additional Storm Drain Sheets		
Plan and Profile Sheets	20	5
Detail Sheets	None	2
OPTIONAL DESIGN 2 - ADDITIONAL PLAN SHEETS		7
TOTAL PLAN SHEETS (WITH OPTIONAL DESIGNS)		25

- 2 All improvements will be combined into one (1) bid package.
- 3 Design capacities will be per 10 year peak flows determined by the Storm Drain Masterplan model City to provide Hydrology calculations not included.
- 4 Hours and fee are subject to adjustment during scoping session with the City.
- 5 Hours and fee may be renegotiated if the project is delayed by factors beyond Harris' control.
- 6 Hours for additional design iterations are not included.
- 7 Utilities will design their relocations, if any are needed.
- 8 Improvements downstream of areas identified will require additional design services.
- 9 The number of budgeted meetings is indicated on the spreadsheet.
- 10 No geotechnical investigation is included.
- 11 No environmental study or permitting is included.
- 12 Boiler plate front end Specifications from previous design will be revised for this project, or City will provide more current version in Word.
- 13 City review comments will be presented to Harris on one consolidated set of marked up documents.
- 14 Printing of final bid documents will be by City (or Harris at cost plus markup)
- 15 No property line boundary survey is included for piping in the street. Property lines and rights-of-way will be shown on plans as provided by City.
- 16 It is assumed the City will perform the following tasks: CEQA compliance, pay encroachment permit fees.
- 17 Potholing is not included, but could be added services if desired by the City.
- 18 Design Services During Construction is not included, but could be added services if desired by the City.
- 19 Construction Management and Inspection is not included, but could be added services if desired by the City.