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ADDENDUM NO. 1

Date: August 15, 2024
 Project: **Sewer Main Rehabilitation 2024 (with Inflow & Infiltration Reduction)**
 Job No.: 24460-06 & 24460-07

To: All Planholders and Prospective Bidders

The following changes and/or clarifications are hereby made to the Contract Documents and shall become a part of the Contract Documents dated July 2024.

1. Revised Bid Schedule: The Bid Schedule has been revised. Use attached revised Bid Schedule for the proposal.

Questions Received from Proposers/Bidders:

The following questions were submitted on or before 8/15/2024, questions that are received after the bid question deadline may not be answered in addendum. LGVSD responses to the questions are in bold.

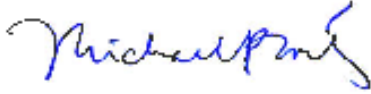
- Q1. Also, please let us know if a Geotechnical Report is available for review.
Response: A geotechnical report is not available for this project. For bidding purposes, assume the following:
- a. **Presence of groundwater at ground level in excavations.**
 - b. **Majority of the work is by trenchless rehabilitation method requiring minimal soil disturbance and minimal impacts to adjacent surface improvements.**
 - c. **See Trench Notes Sheet 3 of 3 on Plan SD1 for material and compaction requirements for trench backfill.**
- Q2. During the Pre-Bid Meeting for the 2024 Sewer Rehab. Project I brought up the issue with lateral rehab. item listing both Pipe Bursting & Open-Trench in the same Item. As these are two vastly different functions (with vastly different costs associated with them), the district agreed that they would split up the lateral rehab item into separate Pipe Burst and Open Trench Items.
Response: See Revised Bid Schedule.
- Q3. This is Paul with Geneva Pipe and Precast. We have been asked by a contractor to issue a quote for the manholes on for the “SEWER MAIN REHABILITATION 2024” Located in Las Gallinas, CA We are asking if our lined manholes would be accepted as an Alternative to the Standard manhole detail called out on the Plans. The “Perfect Lined Manhole System” is very similar to what is already called out. I’ve attached some information for review at your earliest convenience. Lastly, we offer a 50 year warranty and have seen great results in our local market. If you have any questions fee free to reach out.
Response: The proposed “Perfect Lined Manhole System” by Geneva Pipe and Precast is an acceptable product for new manholes.

Addendum No. 1
Sewer Main Rehabilitation
August 15, 2024

This addendum consists of fifteen (15) pages including this page and attachments. Acknowledge receipt of this addendum in the space provided on page 95 of 452, Proposal Cover Page and Bid Schedule, of the Bid Forms, and by signing in the space provided below. Submit an original copy of this addendum cover page along with the bid. Failure to do so may disqualify the bidder.

Las Gallinas Valley Sanitary District:

Bidder: _____



Michael P. Cortez, PE, District Engineer

(Authorized Signature)

(Date)

BID SCHEDULE**SCHEDULE OF BID ITEMS**

Item 1: Mobilization/Demobilization and Permits and Licenses (Lump Sum) – Unit price including but not limited to preparatory work and operations, establishment of Contractor's field offices, portable restrooms, temporary fencing, including all permits and business licenses and other facilities necessary for work on the Project, pre-construction photo survey, pre-construction CCTV of lines for line replacement and location of existing laterals (see Bid Item 5 for separate and additional requirements), final photo survey, final CCTV of lines for line replacement, preparation and update of contract schedule, shop drawings and other submittals, and for all other work and operations which must be performed or costs incurred prior to beginning of work on the various Contract items on the Project site. This bid item shall include demobilization and cleanup, to the satisfaction of the District and all agencies having jurisdiction at the completion of the Project. Contractor shall pay for all required fees for encroachment permits to be obtained by Contractor:

1. Marin County: See Encroachment Permit Information, Appendix F.
(Note: *The District is obtaining Part A of the Encroachment Permit. Part B shall be obtained by the Contractor.*)
2. City of San Rafael: See Encroachment Permit Information, Appendix F
3. Others: (Contact all parties having jurisdiction as may be required by the Contract Documents and include allowance in the bid; no additional compensation for permit and license fees required by other parties not listed.)

Item 2: Sheeting, Shoring, Bracing (Lump Sum) – The cost for planning, design, engineering fees, labor, materials, equipment, furnishing and constructing, and removal and disposal of such sheeting, shoring, and bracing, or equivalent method for the protection of life and limb in trenches and open excavation for all project sites in accordance with the requirements of OSHA and applicable safety orders, pursuant to the provisions Section 6707 of the California Labor Code.

Item 3: Traffic Control (Lump Sum) – Traffic control for the entire Work, complete as specified in conformance with governing agencies having jurisdiction. Measurement for Payment for traffic control will be based upon completion of all necessary measures to temporarily control, detour, or stage traffic during construction and all other related work per Contract Documents. Payment for traffic control will be made at the lump sum (LS) price named in the Bid Schedule, which price shall constitute full compensation for completion of all such work as required per Contract Documents.

Item 4: SWPPP and Erosion and Sediment Control (Lump Sum) – Measurement for Payment for Stormwater Pollution Prevention Program erosion and sediment control requirements will be based upon preparation and completion of all necessary erosion control measures as required by Best Management Practices related to the work during construction, and all other related work specifically required for all sites, per Contract Documents. Payment will be made at the lump sum (LS) price named in the Bid Schedule, which price shall constitute full compensation for the completion of all such work as required per the Contract Documents or as directed by the County or District Representative.

Item 5: Building Lateral Pre- and Post-Construction Reports (Lump Sum) – As shown and identified by the District in the Drawings, Contractor shall supply a unit price for the identification and verification of the **lower** lateral and the **upper** lateral sections of the building sewer, live or

abandoned, for each property connected into the pipeline sections to be replaced or manholes to be repaired and relined.

“Lower Lateral” is defined as that portion of the building sewer pipeline running from the “Sewer Main” to the property line. Where a sewer main is located in an easement the “Lower Lateral” is the line from the “Sewer Main” to the edge of the easement. The “Lower Lateral” is owned by the property owner.

“Upper Lateral” is defined as the continuation of the “Lower Lateral”, which is that portion of the building sewer pipeline running from the property line or edge of the easement to a point generally defined as two (2) feet outside the building or residence. Likewise, the “Upper Lateral” is owned by the property owner.

Permission to enter private property in conjunction with the preparation of the Building Lateral Pre-Construction Inspection Report is being acquired by the District from the property owners and assumed granted before issuance of a Notice of Award.

See Volume 4 Drawings for additional information and detailed requirements on lower laterals.

Item 6: Allowance for one (1) Potholing Operation of Existing Underground Utility (Unit Price, per Each) – Unit price for potholing operation for the field verification of an existing utilities by conventional method such as localized excavation or electronic detection, as marked by utility owners or USA, under the direction of the District, as may be required for sewer rehabilitation work including but not limited to, utility owner notification and coordination, permit fees, and surface restoration. **Actual cost may vary from \$0 to unit price shown multiplied by the number of potholes authorized by the District.**

Item 7: Allowance for one (1) In-line Pit Excavation (Unit Price, Per Each) – Unit price for excavation and shoring of in-line entry or exit pits for the installation of pulling equipment or insertion of HDPE pipe to accommodate unknown pre-existing change in vertical or horizontal alignment, or to repair an unknown pre-existing grade break or sag up to 10 feet deep, of existing pipelines prior to trenchless rehabilitation, including but not limited to, disposal of trench spoils, saw-cutting of AC paving as applicable, trench dewatering, bypass pumping, compaction of the backfill to 95% relative compaction per applicable restoration details shown in the Drawings; construction of a new AC section per governing public works agency as applicable, thermoplastic re-striping, traffic control, and incidentals necessary for the successful completion of the work. **Actual cost may vary from \$0 to unit price shown multiplied by the number of in-line pits authorized by the District.**

Item 8: As-Builts (Lump Sum): Shall include all work related to maintaining record drawings to show all changes made during the construction process and providing a completed set of as-built drawings to the District at the end of the project. The drawings shall include recording the actual depths, horizontal and vertical location of underground pipes, duct banks, and other buried utilities; referencing dimensions to permanent surface features; identifying specific details of pipe connections, location of existing buried features located during excavation, and the final locations of piping, manholes, and appurtenances; making annotations with erasable colored pencil conforming to the following color code: Additions (Red), Deletions (Green), Comments (Blue), and Dimensions (Graphite). Payment for this item will be a lump sum (LS) for as-built drawings.

Items 9-15 inclusive; 17-23 inclusive; and 25: Trenchless Pipe Replacement (Unit Price, Per Linear Foot) – Unit price for provision and trenchless installation of SDR-17 HDPE gravity sewer pipe; including but not limited to **entry and exit pits and all excavation**; clearing and grubbing; existing or new pipeline reconnection into existing manholes; pit dewatering; bedding foundation, and engineered fill; trench dams; temporary support of existing utilities; bypass pumping; downstream temporary “screen trap” installation, maintenance and removal; surface restoration; removal and replacement of existing fencing; removal and disposal of trench spoils and old pipe including manholes and risers to an appropriate disposal site; compaction testing and placement of aggregate base per governing agency specifications; disposal of existing pavement and base to an appropriate disposal site; and all incidental work for the successful rehabilitation of the pipeline as specified in the Contract Documents, unless covered under a separate bid item, which price shall constitute full compensation for completion of all such work as required per Contract Documents. Unless authorized by the District, no hydraulic or pneumatic bursting device that breaks apart existing pipe may be positioned inside existing manhole during trenchless rehabilitation. (Note: *Final trench AC paving is not included in this item. See Bid Item 26.*)

Items 16 and 24: Open-cut Pipe Replacement (Unit Price, Per Linear Foot) – Unit price for the provision and open cut installation of SDR-17 HDPE gravity sewer pipe; including but not limited to clearing and grubbing; excavation; existing or new pipeline reconnection into existing manholes; trench dewatering; bedding foundation and engineered fill; trench dams; temporary support of existing utilities; bypass pumping; downstream temporary “screen trap” installation, maintenance and removal; surface restoration; removal and replacement of existing fencing; removal and disposal of trench spoils and old pipe including manholes and risers to an appropriate disposal site; **removal and disposal of asbestos cement pipe (ACP) by a licensed contractor certified for asbestos-related work, as applicable**, and if any, to an acceptable disposal site per applicable codes and regulations; compaction testing and placement of aggregate base per governing agency specifications; disposal of existing pavement and base to an appropriate disposal site; and all incidental work for the successful rehabilitation of the pipeline as specified in the Contract Documents, unless covered under a separate bid item, which price shall constitute full compensation for completion of all such work as required per Contract Documents. As an option, and at no additional cost to the District, pipeline sections designated for open cut installation may be rehabilitated by trenchless methods subject to review and approval of plans and specifications by the District. (Note: *Final trench AC paving is not included in this item. See Bid Item 26.*)

Item 26: Allowance for trench AC paving and striping restoration per governing agency encroachment permit requirements (Unit Price, Per Square Foot) – Unit price for the provision and installation of a trench AC paving and traffic striping per Marin County and City of San Rafael standard specifications. See appendix section of the Contract Documents for detailed requirements. This bid item does not include installation and compaction of roadway subbase and AB, which work are included in the appropriate unit or lump sum prices for pipeline rehabilitation and lateral reconnection. **Actual cost may vary from \$0 to unit price shown multiplied by the actual paving quantity authorized by the District. Quantity is subject to changes per actual field measurements.**

Item 27: Trench paving restoration per County of Marin standards for entry and exit pits and lateral connections for trenchless rehabilitation (see Appendix F).

Item 28: Full-width slurry seal & micro-surfacing per County of Marin specifications (see Appendix F).

Item 29: Lower Lateral Replacement and Reconnection Within Street Right of Way with New Cleanout (Unit Price, Per Each) – Unit price for the provision and installation of a 4-inch or 6-inch diameter building sewer to the back of walk within street right-of-ways by **trenchless** method, two-way cleanout inside a traffic rated box, lateral stub fusion welded into the new sewer main; including but not limited to re-connection of the existing lower lateral into the upper lateral, as required, with appropriate coupling (4 or 6-inch clay to 4 or 6-inch plastic adapter part number MR 01-44 ARC manufactured by Mission Rubber Company, or equal. All couplings shall have a stainless-steel shear band), installation of a 3/4-inch crushed rock backfill over the entry and exit pits, removal and disposal of trench spoils and existing pipe materials into an acceptable disposal site, thermoplastic restriping, sheeting, shoring, and bracing, and surface restoration. (Note: Final trench AC paving is not included in this item. See Bid item 26.) **Actual cost may vary from \$0 to the unit price shown multiplied by the number of lower laterals replaced and reconnected by the Contractor. Quantity is subject to changes per actual field conditions.**

Item 30: Lower Lateral Replacement and Reconnection Within Street Right of Way with New Cleanout (Unit Price, Per Each) – Unit price for the provision and installation of a 4-inch or 6-inch diameter building sewer to the back of walk within street right-of-ways by **open-cut** method, two-way cleanout inside a traffic rated box, lateral stub fusion welded into the new sewer main; including but not limited to re-connection of the existing lower lateral into the upper lateral, as required, with appropriate coupling (4 or 6-inch clay to 4 or 6-inch plastic adapter part number MR 01-44 ARC manufactured by Mission Rubber Company, or equal. All couplings shall have a stainless-steel shear band), installation of a 3/4-inch crushed rock backfill over the entire width of the trench for the lower lateral for open cut installation, removal and disposal of trench spoils and existing pipe materials into an acceptable disposal site, thermoplastic restriping, sheeting, shoring, and bracing, and surface restoration. (Note: Final trench AC paving is not included in this item. See Bid item 26.) **Actual cost may vary from \$0 to the unit price shown multiplied by the number of lower laterals replaced and reconnected by the Contractor. Quantity is subject to changes per actual field conditions.**

Item 31: Lower Lateral Replacement and Reconnection Within Backyard Easements (Unit Price, Per Each) – Unit price for the provision and installation of a 4-inch or 6-inch diameter, minimum 6-foot long in un-paved areas, lateral stub fusion welded into the new sewer main by **open-cut** method; including but not limited to re-connection of the existing lower lateral into the upper lateral, as required, with appropriate coupling (4 or 6-inch clay to 4 or 6-inch plastic adapter part number MR 01-44 ARC manufactured by Mission Rubber Company, or equal. All couplings shall have a stainless steel shear band), installation of a 3/4-inch crushed rock backfill over the entire width of the trench for the lower lateral if using open cut installation, removal and disposal of trench spoils and existing pipe materials into an acceptable disposal site, sheeting, shoring, and bracing, surface restoration, and all incidental work, which price shall constitute full compensation for completion of all such work as required per Contract Documents. **Actual cost may vary from \$0 to the unit price shown multiplied by the number of lower laterals replaced and reconnected by the Contractor. Quantity is subject to changes per actual field conditions.**

Item 32: Replace Existing Riser/Rodding Inlet With New Manhole (Unit Price, Per Each) – Unit price to remove and replace existing risers with new manholes complete with frame and cover; including but not limited to clearing and grubbing, all excavation, dewatering, temporary support of existing utilities, lining and sealing of the manhole ring section, bypass pumping, removal and

disposal of trench spoils and old pipe including manholes and risers to an appropriate disposal site, compaction, surface restoration, testing, replacement of existing asphalt concrete (AC) paving and aggregate base over the entire width of the pipe trench, thermoplastic restriping, in conformance with governing agency specifications, disposal of existing pavement and base to an appropriate disposal site, and all incidental work, which price shall constitute full compensation for completion of all such work as required per Contract Documents.

Item 33: Replace Manhole Frame and Cover (Unit Price, Per Each) – Unit price to remove and replace existing manhole frame and cover with AWWA HS-20 traffic-rated, closed pick hole type; including but not limited to installation of adjusting ring section, construction of a concrete collar, bypass pumping, removal and disposal of trench spoils and old manhole frames and covers to an appropriate disposal site, compaction, surface restoration, replacement of existing asphalt concrete (AC) paving and aggregate base, thermoplastic restriping, in conformance with governing agency specifications, disposal of existing pavement and base to an appropriate disposal site, and all incidental work, which price shall constitute full compensation for completion of all such work as required per Contract Documents.

Item 34: Repair and Reline Existing 48-inch Manhole (Unit Price, Per Each) – Unit price for the repair and relining of existing 48-inch manholes per specifications; including but not limited to clearing and grubbing, all excavation, dewatering, temporary support of existing utilities, bypass pumping, manhole interior wall surface preparation, sealing of all cracks with or without water leaks, lining and sealing of the manhole ring section, removal of ladder rungs or steps, rechanneling of flow lines, lateral and pipeline reconnections, vacuum testing, and all incidental work, which price shall constitute full compensation for completion of all such work as required per Contract Documents.

Item 35: Point Repair (Unit Price, Per Each) – Unit price for point repairs in pipeline as specified in the project plans, including but not limited to verifying the location of the point repair, locating all conflicting utilities, temporary flow bypass, traffic control, excavation, shoring, dewatering, pipe repairs, backfilling, surface restoration, and all incidental work, which price shall constitute full compensation of all such work as required per Contract Documents.

SCHEDULE OF BID ITEMS

Item No.	Estimated Quantity And Unit	Item Description (Written in Words)	Unit Price (Figures)	Extended Amount (Figures)
1.	1 LS	Mobilization/Demobilization and Permits and Licenses		\$ _____
		Lump sum		
2.	1 LS	Sheeting, Shoring, Bracing		\$ _____
		Lump sum		
3.	1 LS	Traffic Control		\$ _____
		Lump sum		
4.	1 LS	SWPPP and Erosion and Sediment Control		\$ _____
		Lump Sum		
5.	1 LS	Building Lateral Pre- and Post-Construction Inspection Reports 1 & 2 (See Plan SD4); complete as shown and specified.		\$ _____
		Lump Sum		
6.	1 EA	Bid allowance for one (1) potholing operation of existing underground utility by conventional methods, under the direction of the District, as may be required for Lines 1A thru 14. <i>(Note: District authorization is required for this work. Adjustment in contract price will be calculated per actual number of potholing operation multiplied by this unit price.)</i>	\$ _____	\$ _____
		Per Each		
7.	1 EA	Bid allowance for one (1) in-line pit excavation, under the direction of the District, as may be required for Lines 1A thru 14. <i>(Note: District authorization is required for this work. Adjustment in contract price will be calculated per actual number of additional excavation pits multiplied by this unit price.)</i>	\$ _____	\$ _____
		Per Each		

8.	1 LS	As-Built Drawings		\$ _____
		Lump Sum		
9.	306 LF	Line 1A: Heatherstone Dr (M012.03-M012.02) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.		
		Per Linear Foot	\$ _____	\$ _____
10.	294 LF	Line 1B: Heatherstone Dr (M011.45-M011.41) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.		
		Per Linear Foot	\$ _____	\$ _____
11.	632 LF	Line 2: Blackstone Dr (M011.69-M011.63) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.		
		Per Linear Foot	\$ _____	\$ _____
12.	470 LF	Line 3: Peachstone Ter (M016.11-M016.07) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.		
		Per Linear Foot	\$ _____	\$ _____
13.	374 LF	Line 4A: Miller Creek Rd (M033.01-M001.14) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.		
		Per Linear Foot	\$ _____	\$ _____
14.	122 LF	Line 4B: Miller Creek Rd (M032.09-M032.07) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.		
		Per Linear Foot	\$ _____	\$ _____

Per Linear Foot

15. 70 LF Line 4C: Miller Creek Rd (M031.05-M031.03) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

16. 141 LF Line 5: Corte Miguel Easement (M052.21-M052.15) – Replacement of existing 6-inch diameter ACP sanitary sewer, with 8-inch diameter SDR-17 HDPE by open-cut method; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

17. 311 LF Line 6: Las Gallinas Ave Easement (T082.10-T082.09) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

18. 327 LF Line 7: Heather Wy (T073.19-T073.17) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

19. 397 LF Line 8: Hibiscus Wy (T071.29-T071.25) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

20. 234 LF Line 9: Elena Cir (T050.03-T050.01) – Replacement of existing 8-inch diameter VCP sanitary sewer, with 10-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

21. 356 LF Line 10: Trellis Dr (T054.47-T054.01) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

22. 347 LF Line 11: Garden Ave (S082.05-S082.03) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

23. 183 LF Line 12: Corrillo Dr (S111.11-S111.09) – Replacement of existing 6-inch diameter VCP sanitary sewer, with 8-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

24. 299 LF Line 13: Estancia Wy (G031.15-G031.13) – Replacement of existing 6-inch diameter ACP sanitary sewer, with 8-inch diameter SDR-17 HDPE by open-cut method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

25. 210 LF Line 14: Mt Lassen Dr (M087.07-M087.05) – Replacement of existing 8-inch diameter VCP sanitary sewer, with 10-inch diameter SDR-17 HDPE by trenchless method, including entry and exit pits; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Linear Foot

26. (See Table) Allowance for trench AC paving and striping restoration per governing agency encroachment permit requirements.

LINE	STREET NAME	JURISDICTION	SQUARE FOOTAGE	COST/SQ. FT.	EXTENDED TOTAL
1A	HEATHERSTONE DR	MARIN COUNTY	294		
1B	HEATHERSTONE DR	MARIN COUNTY	294		
2	BLACKSTONE DR	MARIN COUNTY	385		

LINE	STREET NAME	JURISDICTION	SQUARE FOOTAGE	COST/SQ. FT.	EXTENDED TOTAL
3	PEACHSTONE DR	MARIN COUNTY	433		
5	CORTE MIGUEL EASEMENT	CITY OF SAN RAFAEL	150		
6	LAS GALLINAS AVE EASEMENT	CITY OF SAN RAFAEL	91		
7	HEATHER WY	CITY OF SAN RAFAEL	246		
8	HIBISCUS WY	CITY OF SAN RAFAEL	401		
9	ELENA CIR	CITY OF SAN RAFAEL	230		
10	TRELLIS DR	CITY OF SAN RAFAEL	310		
11	GARDEN AVE	MARIN COUNTY	230		
12	CORRILLO DR	CITY OF SAN RAFAEL	246		
13	ESTANCIA WY	MARIN COUNTY	1,495		
14	MT LASSEN DR	MARIN COUNTY	150		
				SUBTOTAL	
				Markup	
				TOTAL	

_____ \$ _____

Extended total bid price for this item (in words)

27. 1,270 SF Trench paving restoration per County of Marin standards for entry and exit pits (approximately 6 locations) and lateral connections (approximately 7 locations) for trenchless rehabilitation of Lines 4A, 4B, and 4C.

_____ \$ _____ \$ _____

Per Square Foot

28. 1,820 SY Full-width slurry seal & micro-surfacing per County of Marin standards for Lines 4A, 4B, and 4C.

_____ \$ _____ \$ _____

Per Square Yard

29. 51 EA Replacement of 6-inch or 4-inch lower building lateral by **trenchless** method, including reconnection to new sewer main and installation of a 2-way

cleanout within street right of way; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Each

30. 51 EA Replacement of 6-inch or 4-inch lower building lateral by **open-cut** method, including reconnection to new sewer main and installation of a 2-way cleanout within street right of way; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Each

31. 1 EA Replacement of 6-inch or 4-inch lower building lateral by **open-cut** method, including reconnection to new sewer main within backyard easement; furnished and installed complete as shown and specified.

_____ \$ _____ \$ _____
Per Each

32. (See Table) Replace existing riser/rodding inlet with new manhole per specifications; furnished and installed complete, with manhole frame and cover, as shown and specified.

	LINE	STREET NAME	(E) RISER/ RODDING INLET DESIGNATION	VERTICAL DEPTH (FT.)	COST PER MANHOLE
1	1B	HEATHERSTONE DR	M011.45	Field Verify (5' max)	
2	2	BLACKSTONE DR	M011.69	Field Verify (5' max)	
3	3	PEACHSTONE DR	M016.11	Field Verify (5' max)	
4	4B	MILLER CREEK RD	M032.09	Field Verify (5' max)	
5	6	LAS GALLINAS AVE EASEMENT	T082.10	Field Verify (5' max)	
6	7	HEATHER WY	T073.19	Field Verify (5' max)	
7	8	HIBISCUS WY	T071.29	Field Verify (5' max)	
8	11	GARDEN AVE	S082.05	Field Verify (5' max)	
				TOTAL	

Extended total bid price for this item (in words) \$ (in figures)

33. 30 EA Replace manhole frame and cover per specifications; furnished and installed complete as shown and specified.

Per Each \$

34. (See Table) Repair and line existing 48-inch manhole per specifications; furnished and installed complete as shown and specified.

	LINE	LOCATION	MANHOLE DESIGNATION	DEPTH (FT.)	COST/FT.	EXTENDED COST PER MANHOLE
1	1A	HEATHERSTONE DR	M012.03	10.4		
2	1A	HEATHERSTONE DR	M012.02	9.2		
3	1B	HEATHERSTONE DR	M011.41	7.1		
4	2	BLACKSTONE DR	M011.67	6.4		
5	2	BLACKSTONE DR	M011.63	5.5		
6	3	PEACHSTONE DR	M016.09	8.6		
7	3	PEACHSTONE DR	M016.07	6.8		
8	4A	MILLER CREEK RD	M033.01	5.8		
9	4A	MILLER CREEK RD	M001.14	15.4		
10	4B	MILLER CREEK RD	M032.07	7.0		
11	4C	MILLER CREEK RD	M031.05	7.7		
12	4C	MILLER CREEK RD	M031.03	7.5		
13	5	CORTE MIGUEL EASEMENT	M052.21	7.2		
14	5	CORTE MIGUEL EASEMENT	M052.15	8.1		
15	6	LAS GALLINAS AVE EASEMENT	T082.08	5.3		
16	6	LAS GALLINAS AVE EASEMENT	T082.09	7.1		
17	7	HEATHER WY	T073.17	7.6		
18	8	HIBISCUS WY	T071.27	6.0		

