



TOWN OF DISCOVERY BAY

A COMMUNITY SERVICES DISTRICT

SDLF Platinum-Level of Governance



PLATINUM LEVEL

President – Ashley Porter • Vice-President – Michael Callahan • Director – Kevin Graves • Director – Bryon Gutow • Director – Carolyn Graham

**NOTICE OF THE REGULAR MEETING
OF THE WATER AND WASTEWATER COMMITTEE
OF THE TOWN OF DISCOVERY BAY
Wednesday, April 5, 2023, 5:30 P.M.**

TO ATTEND IN PERSON: The meeting will be held at the Community Center located at 1601 Discovery Bay Boulevard.

REMOTE TELECONFERENCE LOCATION:

174 Bundel Ave.
Fort Leavenworth, KS 66027

In addition to physical attendance at the address indicated above, the Town of Discovery Bay Community Services District is offering the following teleconferencing options as an alternative means for the public to participate in this meeting.

TO ATTEND BY ZOOM WEBINAR: <https://us06web.zoom.us/j/81370654114>

TO ATTEND BY PHONE: +1 (669) 444 9171 or +1 (719) 359 4580 **WEBINAR ID:** 813 7065 4114

Download Agenda Packet and Materials at <http://www.todb.ca.gov/>

Water and Wastewater Committee Members

Chair Ashley Porter

Vice-Chair Kevin Graves

A. ROLL CALL

1. Call business meeting to order 5:30 p.m.
2. Roll Call.

B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)

During Public Comments, the public may address the Committee on any issue within the District's jurisdiction which is not on the Agenda. The public may comment on any item on the Agenda at the time the item is before the Committee for consideration. Any person wishing to speak will have 3 minutes to make their comment. There will be no dialog between the Committee and the commenter as the law strictly limits the ability of Committee members to discuss matters not on the agenda. We ask that you refrain from personal attacks during comment, and that you address all comments to the Committee only. Any clarifying questions from the Committee must go through the Chair. Comments from the public do not necessarily reflect the viewpoint of the Committee members.

C. DRAFT MINUTES TO BE APPROVED

1. Approve Regular Water and Wastewater DRAFT Meeting minutes of March 1, 2023.

D. PRESENTATIONS

E. UPDATES

1. End-Point Update.

F. DISCUSSION

1. Discussion and Possible Feedback Regarding Luhdorff & Scalmanini Amendment #1 to the General Engineering Services Contract for Fiscal Year 2022/2023.

G. FUTURE DISCUSSION/AGENDA ITEMS

H. ADJOURNMENT

1. Adjourn to the next Standing Water and Wastewater Committee meeting on May 3, 2023, at the Community Center located at 1601 Discovery Bay Boulevard.

"This agenda shall be made available upon request in alternative formats to persons with a disability, as required by the American with Disabilities Act of 1990 (42 U.S.C. § 12132) and the Ralph M. Brown Act (California Government Code § 54954.2). Persons requesting a disability related modification or accommodation in order to participate in the meeting should contact the Town of Discovery Bay, at (925) 634-1131, during regular business hours, at least forty-eight hours prior to the time of the meeting."

"Materials related to an item on the Agenda submitted to the Town of Discovery Bay after distribution of the agenda packet are available for public inspection in the District Office located at 1800 Willow Lake Road during normal business hours."



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President – Ashley Porter • Vice-President – Michael Callahan • Director – Kevin Graves • Director – Bryon Gutow • Director – Carolyn Graham

MINUTES OF THE REGULAR MEETING OF THE WATER AND WASTEWATER COMMITTEE OF THE TOWN OF DISCOVERY BAY Wednesday, March 1, 2023, 5:30 P.M.

Water and Wastewater Committee Members

Chair Ashley Porter

Vice-Chair Kevin Graves

A. ROLL CALL

1. Called business meeting to order 5:30 p.m.
2. Roll Call was taken, and all members were present.

B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)

None.

C. DRAFT MINUTES TO BE APPROVED

1. Approve Regular Water and Wastewater DRAFT Meeting minutes of February 1, 2023.

Vice-Chair Graves made a Motion to Approve the Draft Minutes of February 1, 2023.

Chair Porter seconded.

Vote: Motion Carried – AYES: 2, NOES: 0, ABSTAINED: 0, ABSENT: 0

D. PRESENTATIONS

None.

E. UPDATES

1. Denitrification Update.

Presented by Gregory Harris of Herwit Engineering.

- Anderson Pacific are the constructors.
- Target completion date is October 19, 2023.
- New Denitrification process will begin in April of 2023 with the additional basin being completed in October.
- Permit changes January 1, 2024.
- \$13.5 million spent to date.
- Extensive bypassing has been required.
- New headworks with new bar screens were installed at Plant 2.
- Pump Station W was removed, and Pump Station Y will be constructed.

Water and Wastewater Manager Aaron Goldsworthy provide drone pictures of the progress.

F. DISCUSSION

None.

G. FUTURE DISCUSSION/AGENDA ITEMS

None.

H. ADJOURNMENT

1. Adjourned at 6.01pm to the next Standing Water and Wastewater Committee meeting on April 5, 2023, at the Community Center located at 1601 Discovery Bay Boulevard.

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DRAFT

March 23, 2023

File No. 22-5-077

Mike Yeraka, PE
Projects Manager
Town of Discovery Bay
Community Services District
1800 Willow Lake Road
Discovery Bay, CA 94514

**SUBJECT: Scope Amendment #1
 General Engineering Services – Fiscal Year 2022/2023**

Dear Mr. Yeraka:

Per your request, this letter outlines a scope amendment (scope and budget) for Luhdorff and Scalmanini Consulting Engineers (LSCE) to provide engineering services for the Town of Discovery Bay Community Services District (District) under the existing General Engineering Services FY22/F23 contract.

Task 5 - Sand Point Trenchless Design Evaluation (New)

The District is interested in replacing approximately 5,000 lineal feet of water main along Sand Point Road and Newport Lane due to the age, material, and inadequate size of the existing piping. The project scope includes replacing an existing 8" AC underwater pipeline under Newport Bay between Sand Point Court and Newport Lane with a new 12" pipeline (see enclosed figure). The District has tasked LSCE to develop a preliminary trenchless design evaluation to replace the existing underwater crossing. The study will explore the feasibility of replacing the underwater crossing within the boundaries of an existing 10-foot easement.

LSCE will coordinate with our subconsultant (Conzor) to develop the trenchless design evaluation technical memorandum (TM). The TM will summarize the trenchless evaluation, horizontal and vertical alignment geometry and provide a recommendation for final design. The TM will include an engineer's cost estimate. A further detailed description of the proposed scope of work and assumptions provided by Consor can be found in Exhibit A (enclosed).

Deliverables:

- Draft Trenchless Design Evaluation TM

Meetings:

Two (2) project meetings (pre and post TM).

Scope Amendment #1 Budget Estimate

LSCE proposes an increase to the existing General Engineering Services total contract budget increase of **\$20,201**. The costs are estimated in accordance with LSCE's understanding of the scope of work and LSCE's Schedule of Fees (enclosed).

Task Description	LSCE	HDD Sub Consort*	Total
Task 5 - Sand Point Trenchless Design Evaluation	\$4,452	\$15,749	\$20,201
Total	\$4,452	\$15,749	\$20,201

**Includes LSCE's standard 15% markup fee for subconsultant services*

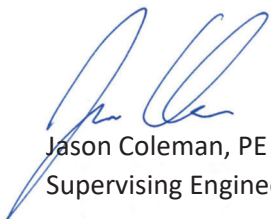
A summary of the scope amendments to-date is provided below, with a revised contract amount with Scope Amendment #1.

Original Contract (General Engineering Services – Fiscal Year 2022/2023)	\$132,796
Scope Amendment #1 (Sand Point Trenchless Design Evaluation)	\$20,201
Revised Contract	\$152,997


Please let us know if you have any questions or comments on the proposed scope amendment.

Sincerely,

LUHDORFF & SCALMANINI
CONSULTING ENGINEERS



Jason Coleman, PE
Supervising Engineer



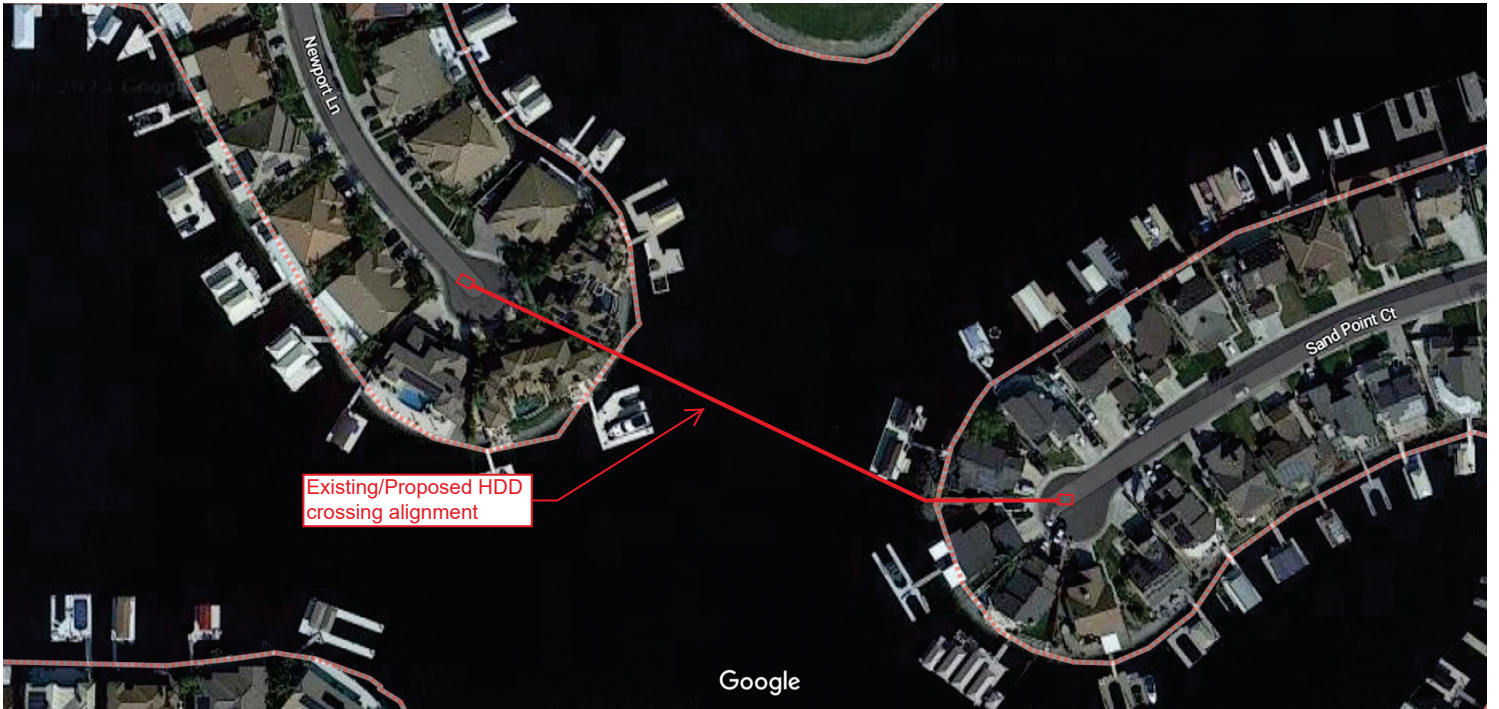
Oscar Serrano, PE
Senior Engineer

Enclosures:

- Sand Point to Newport Lane Pipeline Crossing Figure
- Consort Exhibit A Detailed Scope of Work
- LSCE Fee Schedule

Sand Point to Newport Lane Pipeline Crossing

Discovery Bay



Imagery ©2023 Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO, Map data ©2023 100 ft

EXHIBIT A

SCOPE OF WORK SAND POINT ROAD PIPELINE REPLACEMENT PREDESIGN EVALUATION LUHDORFF & SCALMANINI

Introduction/General/Background

Luhdorff & Scalmanini Consulting Engineers (LSCE) has asked Consor North America, Inc. (Consor) to provide a scope of work and fee schedule for the proposed waterline replacement project at the Town of Discovery Bay, California. An original Scope of Services was prepared which outlined distinct tasks to deliver the project from conceptual design through to construction. The Town requested a predesign evaluation of the project (included as Task 2 of the original Scope of Services) to address concerns of a potential HDD installation of the new pipeline alignment staying within the existing easement.

Project Understanding and Assumptions

The Sand Point Road Pipeline Replacement consists of replacing a section of waterline from Sand Point Road/Sand Point Court to Newport Drive. The pipeline is conceptually planned to replace an existing asbestos cement pipe with a new 12-inch or 16-inch diameter pipe and the underwater crossing installed by Horizontal Directional Drilling (HDD). Project design work includes developing plans and specifications for the underwater HDD crossing.

Project Assumptions

LSCE will be responsible for the following items:

- Subsurface information (i.e., Geotechnical Investigation Report)
- Topographic and bathymetric survey data
- Development of project drawings and incorporation of Consor provided markups to predesign documents

Consor will be responsible for the following items:

- Performing HDD feasibility and alternative analysis for an HDD crossing.
- Provide drawing reviews and markups specific to the HDD crossing and pipe connections.

Scope of Services

Consultant will perform the following services.

Task 1 - Project Management

Objective

Provide overall leadership and team strategic guidance aligned with LSCE staff objectives. Coordinate, monitor, and control the project resources to meet the technical, communication, and contractual obligations required for developing and implementing the project scope.

Activities

1.1 Invoices/Status Reports

Conсор will prepare monthly invoices, including expenditures by task, hours worked by project personnel, and other direct expenses with the associated backup documentation. Monthly status reports will accompany each invoice and include comparisons of monthly expenditures and cumulative charges to budget by Task, including cost-to-complete, earned value, cash flow, and certified firm participation.

1.2 Project Coordination

Conсор will maintain communication with the Luhdorff & Scalmanini through meetings via voice, email, and fax communication.

1.3 Management and Coordination of Staff

Conсор will manage and coordinate the technical and scope issues of the overall project. Progress meetings will be conducted as appropriate.

Task Deliverables

- Consultant shall deliver to Luhdorff & Scalmanini a monthly invoice and status report covering:
 - Work on the project performed during the previous month.
 - Meetings attended.
 - Problems encountered and actions taken for their resolution.
 - Potential impacts to submittal dates, budget shortfalls or optional services.
 - Issues requiring project team action.

Assumptions

- Consultant assumes a Notice to Proceed date by May 1, 2023.
- Consultant assumes up to (2) one-hour meetings with the Luhdorff & Scalmanini Principal-in-Charge or Project Manager.

Task 2 - Predesign Evaluation

Objective

Evaluate the existing subsurface conditions and surface constraints to develop a trenchless design solution for the sand point pipeline replacement undercrossing.

LSCE Involvement

Provide preliminary project plan and profile showing topographic, franchise and municipal utilities, easements, and rights-of-way data, geotechnical data, and other information relevant to preliminarily evaluate the undercrossing.

Activities

2.1 Review of Existing Project Data

Gather and evaluate project constraints, subsurface conditions, and pipeline alignment.

2.2 Develop Preliminary Trenchless Alignments

Calculate horizontal and vertical alignment geometry of trenchless undercrossing concepts. Illustrate concepts on project plan and profile drawings.

2.3 Prepare Draft Trenchless Design Memorandum

Prepare discussion summarizing trenchless evaluation and present conceptual alignment options for the trenchless undercrossing. Develop opinion of probably construction costs. Provide recommendation of a trenchless option for final design of the trenchless undercrossing.

2.4 Pre-Design Coordination

Lead discussion with project team members and geotechnical subconsultant to review trenchless evaluation and develop the next steps for the design process and delivery of the project contract documents.

Task Deliverables

- Draft trenchless design memorandum in pdf format.

Assumptions

- Conceptual design for the crossing is to install a 16-inch diameter pipeline by HDD method and as stated above in the Project Understanding and Assumptions.

Budget

Payment will be made at the Billing rates for personnel working directly on the project, which will be made at the Consultant's Hourly Rates, plus Direct Expenses incurred. Billing rates are as shown in the table below. Direct expenses will be paid at the rates shown listed below.

Labor Classification	Direct Rate
Principal Engineer III	\$271
Project Engineer V	\$194
CAD Technician IV	\$176
Administrative III	\$122

Direct Expenses

Expenses incurred in-house that are directly attributable to the project will be invoiced at actual cost. These expenses include the following.

Computer Aided Design and Drafting	\$18.00/hour
GIS and Hydraulic Modeling	\$10.00/hour
Mileage	Current IRS Rate
Postage and Delivery Services	At Cost
Printing and Reproduction	At Cost
Travel, Lodging and Subsistence	At Cost

Fee Estimate

Consultant proposes to complete this work as detailed above on a time and expenses basis as summarized below. Agreed “not-to-exceed” amounts are based on the scope of work incorporated herein and will not be exceeded without approval and written authorization by the Luhdorff & Scalmanini. See Exhibit B for the proposed Fee Estimate for this work.

EXHIBIT B
SAND POINT ROAD PIPELINE REPLACEMENT - PREDESIGN EVALUATION
LUHDORFF & SCALMANINI
PROPOSED FEE ESTIMATE

Staff Name	LABOR CLASSIFICATION (HOURS)									
	Principal Engineer III	Professional Engineer V	Administrative III	Technician IV	Hours	Labor	Expenses	CADD Units \$18/hr	GIS Units \$10/hr	Total
	\$271	\$194	\$122	\$176						
	O'Sullivan	Reeves	HayesA	Harjala						
Task 1 - Project Management										
Task 1.1 - Invoices/Status Report	2		2		4	\$ 786	\$ -	\$ -	\$ -	\$ 786
Task 1.2 - Project Coordination	3	2			5	\$ 1,201	\$ -	\$ -	\$ -	\$ 1,201
Task 1.3 - Management and Coordination of Staff	3	1			4	\$ 1,007	\$ -	\$ -	\$ -	\$ 1,007
Task 1 Subtotal	8	3	2	0	13	\$ 2,994	\$ -	\$ -	\$ -	\$ 2,994
Task 2 - Pre-Design Evaluation										
Task 2.1 - Review of Existing Project Data	2	6			8	\$ 1,706	\$ -	\$ -	\$ -	\$ 1,706
Task 2.2 - Develop Preliminary Trenchless Alignments	2	12		2	16	\$ 3,222	\$ -	\$ 36	\$ -	\$ 3,258
Task 2.3 - Prepare Draft Trenchless Design Memorandum	6	12		2	20	\$ 4,306	\$ -	\$ 36	\$ -	\$ 4,342
Task 2.4 - Pre-Design Coordination	3	3			6	\$ 1,395	\$ -	\$ -	\$ -	\$ 1,395
Task 2 Subtotal	13	33	0	4	50	\$ 10,629	\$ -	\$ 72	\$ -	\$ 10,701
TOTAL - ALL TASKS	21	36	2	4	63	\$ 13,623	\$ -	\$ 72	\$ -	\$ 13,695



500 FIRST STREET • WOODLAND, CA 95695

2022 SCHEDULE OF FEES

ENGINEERING AND RELATED FIELD SERVICES

Professional*

Senior Principal	\$235/hr.
Principal Professional.....	\$225 to 230/hr.
Supervising Professional	\$210 to 220/hr.
Senior Professional	\$175 to 210/hr.
Project Professional	\$155 to 175/hr.
Staff Professional	\$135 to 155/hr.

Technical

Engineering Inspector	\$140/hr.
ACAD Drafting/GIS	\$142/hr.
Engineering Assistant.....	\$115 to 140/hr.
Scientist.....	\$115 to 140/hr.
Technician.....	\$115 to 140/hr.

Clerical Support

Word Processing, Clerical.....	\$90/hr.
Digital Communications Specialist	\$90 to 100/hr.
Project Admin/Accounting Assistant	\$90 to 110/hr.

Vehicle Use	\$0.58/mi.
Subsistence	Cost Plus 15%
Groundwater Sampling Equipment (Includes Operator)	\$170.00/hr
Copies	\$0.20 ea.
Professional or Technical Testimony	200% of Regular Rates
Technical Overtime (if required)	150% of Regular Rates
Outside Services/Rentals	Cost Plus 15%
Services by Associate Firms	Cost Plus 15%

* Engineer, Geologist, Hydrogeologist, and Hydrologist