

June 7, 2024

Roni Grant, P.E.
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

Subject: Change Order Proposal – Coastal Treatment Plant Export Sludge Force Main Replacement Project, Temporary Impact Area Restoration Year Three Monitoring and Maintenance

Dear Roni Grant:

Dudek appreciates the opportunity to submit this proposal to the South Orange County Wastewater Authority (SOCWA) to continue to provide post-construction habitat restoration monitoring and maintenance services for the temporary impact area associated with the Coastal Treatment Plant Export Sludge Force Main Replacement Project (project).

For two years, Dudek and Habitat Restoration Sciences, Inc. (HRS) has been providing restoration monitoring and maintenance services for temporary impact areas associated with the project. An additional year of monitoring visits and maintenance events are required to achieve project sign-off per the performance criteria defined by the Habitat Monitoring and Maintenance Plan (HMMP) dated November 2019.

Project Background

At the end of the 2-year maintenance and monitoring period for the project, the native upland project areas were not meeting the performance criteria identified by the HMMP and the *Temporary Impact Vegetation Cover Data for the Coastal Treatment Plant Export Sludge Force Main Replacement Project* (Vegetation Memo; Dudek 2022). Dudek recommended remedial actions to address the non-compliant project areas and an additional year of monitoring and maintenance to ultimately achieve project sign-off. Remedial actions and additional maintenance aim to effectively control non-native species establishment that compete with the successful establishment of native cover. Obstacles to effectively controlling non-native species throughout the 2-year monitoring and maintenance period include heavy rains (almost twice as much the normal rainfall), OC Parks regulations preventing herbicide use within 10 feet of public trails, and limited site access following the Coastal Fire.

Biological monitoring efforts will continue to oversee maintenance and provide recommendations based on site conditions. During Years 1 and 2, monitoring coordination was required on regular intervals to ensure maintenance was targeting specific treatment polygons based on performance criteria varying by vegetation community.

Scope of Services

TASK 1 YEAR THREE BIOLOGICAL MONITORING

Similar to Years 1 and 2, Dudek anticipates a need for coordination of the maintenance effort to target specific treatment polygons for performance criteria. Dudek's habitat restoration specialist will perform eight (8) monitoring visits in coordination with maintenance visits in Year 3 (see Task 2 below).

Each monitoring visit shall consist of a site walkthrough including a characterization restoration progress and assessment of maintenance conducted to date. Observations will be noted, such as native seedling germination, prevalence of weeds, and any general conditions that may require maintenance (e.g., temporary fence condition or erosion control). Site progress will be tracked through photo-documentation from permanent photo station established during the first monitoring visit. Maintenance recommendations will be provided in site observation reports with anecdotal photos and mark-up of field maps to document site progress or illustrate specific maintenance needed. In addition to observation and reporting, Dudek will work directly with the contractor during site visits to identify locations within the temporary impact footprint to target weed removal, particularly native habitats that did not meet the end-of-project success criteria at the end of Year Two.

The Dudek project manager will perform staff coordination, project setup and closure, budget and schedule maintenance, and invoicing tasks for project control.

Cost for Task 1.....\$14,960.00

TASK 2 YEAR THREE RESTORATION MAINTENANCE

Habitat Restoration Science, Inc. (HRS), a Dudek subsidiary, will continue to provide maintenance. An additional ten (10) visits of on-going maintenance through the native upland habitat areas and temporary fencing (t-post and rope) fencing repair and removal as defined in the Year Two Annual Report for the SOCWA Export Sludge Force Main (ESFM) Project. Each visit will consist of a 4-person crew working over 2 days. Maintenance visits will be timed under the direction of the Project Biologist to be seasonally appropriate for the needs of the project site.

Maintenance visits will be timed to be seasonally appropriate for the needs of the project site. Maintenance will be performed for \$7,000/visit.

Assumptions: HRS assumes State DIR maintenance prevailing wages apply.

Exclusions: This proposal does not include permit fees, water costs, water meter fees, traffic control, hazardous materials removal, coring, boring, or breaking. HRS excludes cost of development of SWPPP plan and any QSD/QSP services. This proposal does not include any remedial work efforts (planting, seeding, watering, etc.) beyond the maintenance tasks listed. This proposal does not include any repairs due to vandalism or incidents beyond the control of HRS.

Cost for Task 2.....\$70,000.00

TO: RONI GRANT, P.E.
SUBJECT: CHANGE ORDER PROPOSAL - COASTAL TREATMENT PLANT EXPORT SLUDGE FORCE MAIN REPLACEMENT
PROJECT, TEMPORARY IMPACT AREA RESTORATION YEAR THREE MONITORING AND MAINTENANCE

Cost Estimate

Work pursuant to this change order will be billed on a time-and-materials basis based on the Dudek Schedule of Charges current at the time billing, not to exceed **\$84,960**.

Please contact me at (442) 997-5316 or ecoltharp@dudek.com if you have any questions regarding our scope of work and cost estimate.

Sincerely,



Erin Coltharp
Restoration Ecologist

cc: *Stuart Fraser, Dudek*
Jeff Bishop, HRS

Attachments: Figure 1, Temporary Impact Revegetation Area Status Mapbook 2024
2024 Dudek Schedule of Charges

DUDEK 2024 Standard Schedule of Charges

Engineering Services

Project Director	\$335.00/hr
Principal Engineer III	\$310.00/hr
Principal Engineer II	\$290.00/hr
Principal Engineer I	\$280.00/hr
Program Manager	\$265.00/hr
Senior Project Manager	\$265.00/hr
Project Manager	\$255.00/hr
Senior Engineer III	\$250.00/hr
Senior Engineer II	\$240.00/hr
Senior Engineer I	\$230.00/hr
Project Engineer IV/Technician IV	\$220.00/hr
Project Engineer III/Technician III	\$210.00/hr
Project Engineer II/Technician II	\$200.00/hr
Project Engineer I/Technician I	\$180.00/hr
3D Production Manager	\$210.00/hr
Senior Designer II	\$200.00/hr
Senior Designer I	\$195.00/hr
Designer	\$185.00/hr
Assistant Designer	\$180.00/hr
CADD Operator III	\$175.00/hr
CADD Operator II	\$165.00/hr
CADD Operator I	\$145.00/hr
CADD Drafter	\$135.00/hr
CADD Technician	\$120.00/hr
Project Coordinator	\$155.00/hr
Engineering Assistant	\$125.00/hr

Environmental Services

Senior Project Director	\$330.00/hr
Project Director	\$285.00/hr
Senior Specialist V	\$260.00/hr
Senior Specialist IV	\$245.00/hr
Senior Specialist III	\$235.00/hr
Senior Specialist II	\$225.00/hr
Senior Specialist I	\$210.00/hr
Specialist V	\$195.00/hr
Specialist IV	\$185.00/hr
Specialist III	\$175.00/hr
Specialist II	\$165.00/hr
Specialist I	\$155.00/hr
Analyst V	\$145.00/hr
Analyst IV	\$135.00/hr
Analyst III	\$125.00/hr
Analyst II	\$115.00/hr
Analyst I	\$105.00/hr
Technician III	\$90.00/hr
Technician II	\$80.00/hr
Technician I	\$70.00/hr

Mapping and Surveying Services

Application Developer II	\$220.00/hr
Application Developer I	\$155.00/hr
GIS Analyst V	\$205.00/hr
GIS Analyst IV	\$170.00/hr
GIS Analyst III	\$150.00/hr
GIS Analyst II	\$135.00/hr
GIS Analyst I	\$125.00/hr
UAS Pilot	\$145.00/hr
Survey Lead	\$235.00/hr
Survey Manager	\$210.00/hr
Survey Crew Chief	\$165.00/hr
Survey Rod Person	\$120.00/hr
Survey Mapping Technician	\$95.00/hr

Construction Management Services

Principal/Manager	\$195.00/hr
Senior Construction Manager	\$185.00/hr
Senior Project Manager	\$180.00/hr
Construction Manager	\$175.00/hr
Project Manager	\$170.00/hr
Resident Engineer	\$175.00/hr
Construction Engineer	\$170.00/hr
On-site Owner's Representative	\$160.00/hr
Prevailing Wage Inspector	\$155.00/hr
Construction Inspector	\$145.00/hr
Administrator/Labor Compliance	\$120.00/hr

Hydrogeology/HazWaste Services

Project Director	\$335.00/hr
Principal Hydrogeologist/Engineer III	\$310.00/hr
Principal Hydrogeologist/Engineer II	\$300.00/hr
Principal Hydrogeologist/Engineer I	\$290.00/hr
Senior Hydrogeologist V/Engineer V	\$265.00/hr
Senior Hydrogeologist IV/Engineer IV	\$255.00/hr
Senior Hydrogeologist III/Engineer III	\$245.00/hr
Senior Hydrogeologist II/Engineer II	\$235.00/hr
Senior Hydrogeologist I/Engineer I	\$225.00/hr
Project Hydrogeologist V/Engineer V	\$215.00/hr
Project Hydrogeologist IV/Engineer IV	\$205.00/hr
Project Hydrogeologist III/Engineer III	\$195.00/hr
Project Hydrogeologist II/Engineer II	\$185.00/hr
Project Hydrogeologist I/Engineer I	\$175.00/hr
Hydrogeologist/Engineering Assistant	\$140.00/hr
HazMat Field Technician	\$125.00/hr

District Management & Operations

District General Manager	\$230.00/hr
District Engineer	\$215.00/hr
Operations Manager	\$165.00/hr
District Secretary/Accountant	\$145.00/hr
Collections System Manager	\$145.00/hr
Grade V Operator	\$135.00/hr
Grade IV Operator	\$115.00/hr
Grade III Operator	\$110.00/hr
Grade II Operator	\$90.00/hr
Grade I Operator	\$80.00/hr
Operator in Training	\$75.00/hr
Collection Maintenance Worker	\$80.00/hr

Creative Services

Creative Services IV	\$175.00/hr
Creative Services III	\$150.00/hr
Creative Services II	\$140.00/hr
Creative Services I	\$125.00/hr

Publications Services

Technical Editor IV	\$175.00/hr
Technical Editor III	\$150.00/hr
Technical Editor II	\$140.00/hr
Technical Editor I	\$125.00/hr
Publications Specialist IV	\$130.00/hr
Publications Specialist III	\$115.00/hr
Publications Specialist II	\$110.00/hr
Publications Specialist I	\$100.00/hr
Clerical Administration	\$90.00/hr

Expert Witness – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.

Emergency and Holidays – Minimum charge of two hours will be billed at 1.75 times the normal rate.

Material and Outside Services – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.

Travel Expenses – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost.

Invoices, Late Charges – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay interest at a 10% annual rate for amounts unpaid greater than 30 days after the date of the invoice.

Annual Increases – Unless identified otherwise, these standard rates will increase in line with the CPI-U for the nearest urban area per the Department of Labor Statistics to where the work is being completed) or by 3% annually, whichever is higher.

Prevailing Wage – The rates listed above assume prevailing wage rates do not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.