



M E M O R A N D U M
COMMUNITY DEVELOPMENT RESOURCE AGENCY
ADMINISTRATION
County of Placer

TO: Honorable Board of Supervisors DATE: June 9, 2020

FROM: Steve Pedretti, Community Development Resource Agency Director

BY: Michele Kingsbury, Principal Management Analyst

SUBJECT: MacKay and Somsps Civil Engineers, Inc.
Sixth Amendment to Professional Services Agreement No. 13574

ACTION REQUESTED

1. Authorize the County Executive Officer or designee to execute a sixth amendment to the Professional Services Agreement No. 13574 with MacKay and Somsps Civil Engineers, Inc., in the amount of \$25,000 for sewer alternatives analysis. This amendment brings the total contract amount to \$2,375,290.

BACKGROUND

On December 10, 2019 the Board took several actions approving the Placer Ranch Specific Plan (PRSP), Development Agreement, approving the Sunset Area Plan (SAP) and certifying an Environmental Impact Report.

The overall vision of the SAP and Placer Ranch is to take advantage of opportunities to create a unique employment, entertainment, and education center that will provide regional benefit, and create primary-wage earner jobs for residents of nearby cities and unincorporated areas of west Placer County. As part of the next steps in the development process, staff desires to amend the MacKay and Somsps Civil Engineers, Inc., Professional Services Agreement to add additional tasks associated with analyzing sewer alternatives to determine the preferred main backbone sewer line route to serve the Sunset Area and Placer Ranch, update topographic maps, analyze pipe depths and update construction cost figures.

ENVIRONMENTAL IMPACT

On December 10, 2019, the Placer County Board of Supervisors certified the Sunset Area Plan/Placer Ranch Specific Plan Final Environmental Impact Report (SCH#2016112012) and Errata prepared pursuant to the California Environmental Quality Act (CEQA) and adopted the Mitigation Monitoring Reporting Program supported by and incorporating by reference in its entirety the Findings of Fact and Statement of Overriding Considerations. No additional CEQA review is required prior to consideration, and if appropriate, adoption of this sixth amendment to the Professional Services Agreement.

FISCAL IMPACT

Funding for this sixth amendment is included in the Community Development Resource Agency FY 2019-20 Budget.

ATTACHMENT

Attachment A: Sixth Amendment to Professional Services Agreement

ATTACHMENT A

SIXTH AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT FOR ENGINEERING AND RELATED SERVICES FOR THE PLACER RANCH SPECIFIC PLAN PROJECT

THIS SIXTH AMENDMENT TO THE Professional SERVICES AGREEMENT is made and entered on this _____ day of _____, 2020, by and between the COUNTY OF PLACER, hereinafter referred to as COUNTY, and MACKAY & SOMPS CIVIL ENGINEERS, INC., hereinafter referred to as CONSULTANT.

WHEREAS, on May 17, 2016, COUNTY and CONSULTANT entered into Professional Services Agreement No. 13574 (“Agreement”) in the amount of \$1,271,140 whereby consulting services would be provided to the COUNTY; and

WHEREAS, on April 4, 2017 COUNTY and CONSULTANT entered into the First Amendment to the Professional Services Agreement increasing the total contract amount to \$1,554,040 and adding additional services; and

WHEREAS, on October 24, 2017, COUNTY and CONSULTANT entered into the Second Amendment to the Professional Services Agreement increasing the total contract amount to \$1,857,540 and adding additional services;

WHEREAS, on February 20, 2018, County and Consultant entered into the Third Amendment to the Professional Services Agreement increasing the total contract amount to \$1,951,040 and adding additional services;

WHEREAS, on August 14, 2018 County and Consultant entered into the Fourth Amendment to the Professional Services Agreement increasing the total amount to \$2,350,290 and adding additional services;

WHEREAS, on August 4, 2019 County and Consultant entered into the Fifth Amendment to the Professional Services Agreement amending consultant hourly rate schedule; and

WHEREAS, the parties have agreed to additional services to be provided by CONSULTANT under said Agreement and the compensation for those additional services.

NOW, THEREFORE, IT IS MUTUALLY AGREED by and among the parties as follows:

1. That section 1 of the Agreement shall be amended to provide for the additional services and compensation as follows:
The CONSULTANT agrees to perform the additional professional services as set forth in Exhibit “A” attached hereto and incorporated herein by reference.
2. That section 2 of the Agreement shall be amended to include compensation for these additional services shall not exceed \$25,000.00 and for a total contract amount of \$2,375,290.00.
3. EXCEPT as specifically modified above, all the remaining terms and conditions of the said Agreement shall remain and continue in full force and effect.

COUNTY OF PLACER:

By: _____
Todd Leopold, County Executive Officer

Date: _____

CONSULTANT:

By: _____
Mark J. Sauer, P.E. Vice President

Date: _____

By: _____
Mark D. McClellan, Corporate Secretary

Date: _____

APPROVED AS TO FORM:

By: _____
County Counsel

Date: _____

**EXHIBIT A
ADDITIONAL SCOPE OF WORK**

Task Number	Description of Additional Tasks
<p>7.0 Sewer Master Plan</p> <p>(Additional Tasks 1 -11)</p>	<ol style="list-style-type: none"> 1. Consultant to review and analyze previous sewer studies prepared by: <ol style="list-style-type: none"> a. Stantec (dated April 17, 2017) b. PSOMAS (dated October 19, 2017) c. MacKay & Soms Civil Engineers, Incl (dated July 18, 2017 and revised September 1, 2017) d. Morton & Pitalo (dated June 2019) 2. Consultant to process and prepare a working topographic file from LIDAR point cloud provided to Consultant by Placer County on March 6, 2020. Said topo file will be used for this analysis. 3. Consultant to assemble a working base map to use within the sewer alternative analysis. Base map to include LIDAR topo provided by Placer County, land use map for the Sunset Area, and schematic linework for roads and adjacent land uses within Placer Ranch (PR). 4. Consultant to prepare preliminary sewer shed boundaries flows for POC-1, POC – 2, and POC-3. Placer County to review said information prior to initiating in depth analysis. <ol style="list-style-type: none"> a. Consultant and Placer County to work together to best identify a location for a sewer lift station based on property location and depth of sewer. 5. Once Item 4 has been completed, a more in depth sewer analysis will be performed. Analysis will include calculation of sewer flows, pipe sizes and pipe depths. It is estimated that the three PCs (POC-1, POC-2, and POC-3) will be entering PR. <ol style="list-style-type: none"> a. A cursory review of including / excluding POC-3 will be included. Tasks to include: <ol style="list-style-type: none"> i. Estimating the depth of POC-3 assuming gravity flow from the future vehicle inspection center and evaluating if POC – 3 is a controlling factor for sewer depths within PR. ii. If determined that POC-3 is a controlling factor for sewer depths within PR, then increased construction costs will be identified. b. The above information will be presented to Placer County to determine if POC-3 should be included in subsequent analysis. 6. Consultant to prepare a conceptual design for the Sunset Area Sewer Lift Station and force main. The site location will be coordinated with Placer County. The conceptual design report will detail: <ol style="list-style-type: none"> a. Wet well depth b. Pumping capacity c. Force main length, approximate location, and sizing requirements d. Preliminary site plan e. Construction cost estimate <p>The results of this analysis will be documented in a draft Conceptual Design Report for the Sunset Area Sewer Lift Station. Comments on the draft report will be incorporated into a final Conceptual Design Report. It is expected that one (1) virtual meeting will be held with County staff to discuss the sewer lift station.</p> <p>Note: Additional work not included in this conceptual design report will be included in a preliminary design report prepared as part of a future authorization.</p> 7. Consultant will provide sewer hydraulic modeling services for Sunset Area and PR based on sewer collection system flows identified within the alternative

	<p>analysis. The existing South Placer Wastewater Authority (SPWA) hydraulic model will be expanded to include sewers shown within the Sunset Area and PR area for pipes 18 inches and larger and include point flows from the future developments. Consultant to model the required sewer pipe sizes of PR and Sunset Area sewers and identify the available capacity of the trunks within the existing collection system based on the existing model to support the new flows.</p> <p>Modeling to be performed in InfoWorks ICM, which is the hydraulic modeling software the City of Roseville utilizes for their collection system. It is expected that Consultant will evaluate one land use scenario under steady state conditions in accordance with City of Roseville modeling standards. Electronic copies of the existing SPWA hydraulic model will be provided by the City of Roseville to Consultant. If a model is not provided, Consultant will utilize the SPWA hydraulic model used for Placer Ranch.</p> <p>Consultant to prepare a draft technical memorandum to present the hydraulic modeling results associated with this analysis. These results will document the required sewer pipe size of the modeled pipelines in PR and Sunset Area, the available capacity within the existing City sewer model, and any pipelines in the existing City collection system. Comments on the draft will be incorporated into the final technical memorandum and included within the overall sewer alternative analysis.</p> <p>8. Consultant will prepare report, Draft #1 of the Alternative Sewer Plan, for review and comments by Placer County. This draft will incorporate the data, analysis, and outcomes derived through the completion of the tasks outlined above. The report will include evaluating onsite (PR) and offsite (Sunset Area) collection and transmission pipelines, force mains, and lift station requirements based on flows within the Sunset Area and through PR. Only areas changing within PR will be re-analyzed.</p> <p>9. Upon receiving comments from Placer County, Consultant will prepare Draft #2 of the Sewer Alternative Plan. This version will reflect the County's comments and direction received on Draft #1. For this task, it will be assumed that the County's comments on the previous draft do not significantly change the project description, and that the County's comments are provided in a consolidated format with clear direction.</p> <p>10. Consultant will prepare a preliminary cost estimate based on Draft #2 of the Sewer Alternative Plan. Consultant will also prepare an estimate based on the approved SSMP to compare the alternative analysis. Within this estimate, construction costs will be broken down into fair share allocations for PR (excluding University), Sunset Area and for the University portion based on contributing flows.</p> <p>11. Upon direction from Placer County, Consultant will prepare the final alternative sewer plan, which will reflect comments received on Draft #2. For this effort, it is assumed that the comments are minor and result in no significant changes.</p>
<p>16.0 Administration Meetings & Hearings</p> <p>(Additional Task 12 under</p>	<p>12. Meetings and Coordination.</p>

compensation section below)	
Direct Costs & Expenses (Additional Task 13 under compensation section below)	13. Reimbursables, including printing and deliverables.
TOTAL	

Deliverables:

Deliverables will include:

1. Draft #1 Alternative Sewer plan (one electronic draft copy in pdf format and 5 hard copies).
2. Draft #2 Alternative Sewer Plan (one electronic draft copy in pdf format and 5 hard copies).
3. Final Alternative Sewer Plan (one final electronic copy in pdf format and 5 hard copies).
4. Construction Cost Estimates for Fair Share Allocations (Excel format).

Compensation:

For the Services as contained and described herein for the Placer Ranch Sewer Study, charges for the Scope of Work are as follows:

Item #1	Description	Unit	Budget
1.	Review / Analyze prior sewer studies	Time & materials	\$7,500
2.	Process / prepare topo file	Time & materials	\$2,500
3.	Working base map	Time & materials	\$2,500
4.	Preliminary sewer shed boundaries / flows	Time & materials	\$10,000
4.a.	Sewer lift station location coordination	Time & materials	\$3,000
5.	In depth sewer analysis	Time & materials	\$20,000
6.	Sunset Area sewer lift station conceptual design	Time & materials	\$14,500
7.	Sewer hydraulic modeling for Sunset Area	Time & materials	\$17,500
8.	Draft #1 Alternative Sewer Plan	Time & materials	\$15,000
9.	Draft #2 Alternative Sewer Plan	Time & materials	\$7,500
10.	Preliminary cost estimate (for Draft #2)	Time & materials	\$18,000
11.	Final Alternative Sewer Plan (based on Draft #2)	Time & materials	\$5,000
12.	Meetings and Coordination	Time & materials	\$5,000
13.	Reimbursables		\$2,000
	Subtotal		\$130,000
	Amount of Funds Remaining to be expended from existing contract		(\$106,485.38)
	Additional Funds Needed		(\$23,514.62)
	Additional Contingency		(\$1,485.38)
	Total Amount of Amendment #6		\$25,000.00

NOTE: Time & materials rates to be based on MacKay & Somps' attached current Hourly Rate Fee Schedule (Consultant Standard Charge Rates), which are subject to adjustment on April 1, 2020, and annually thereafter.



HOURLY RATE FEE SCHEDULE – APRIL 1, 2020 TO MARCH 31, 2021
RATES SUBJECT TO ANNUAL ADJUSTMENT BEGINNING APRIL 1, 2021

ROSEVILLE OFFICE

PRINCIPAL ENGINEER/PRINCIPAL SURVEYOR	\$268.00 PER HOUR
ASSOCIATE/ENGINEERING/PLANNING MANAGER	\$238.00 PER HOUR
SENIOR PROJECT ENGINEER/PLANNER/LAND SURVEYOR	\$218.00 PER HOUR
SENIOR ENGINEER/PLANNER/LAND SURVEYOR	\$205.00 PER HOUR
ASSOCIATE ENGINEER/PLANNER/LAND SURVEYOR	\$184.00 PER HOUR
ASSISTANT ENGINEER/PLANNER/SURVEYOR	\$152.00 PER HOUR
JUNIOR ENGINEER/PLANNER/SURVEYOR	\$130.00 PER HOUR
FIELD WORK SUPERVISOR	\$162.00 PER HOUR
PRINCIPAL TECHNICIAN.....	\$160.00 PER HOUR
SENIOR TECHNICIAN	\$134.00 PER HOUR
TECHNICIAN	\$110.00 PER HOUR
ADMINISTRATIVE ASSISTANT	\$100.00 PER HOUR
CLERICAL	\$80.00 PER HOUR
OFFICE ASSISTANT	\$62.00 PER HOUR

FIELD

1 MAN FIELD CREW*	\$175.00 PER HOUR
2 MAN FIELD CREW*	\$286.00 PER HOUR
3 MAN FIELD CREW*	\$360.00 PER HOUR

*INCLUDES GPS EQUIPMENT WHEN APPROPRIATE

OTHER

PREMIUM FOR REQUIRED OVERTIME	REGULAR HOURLY RATE PLUS 25%
MILEAGE	PER IRS STANDARD MILEAGE RATE
DIRECT COSTS AND OUTSIDE CONTRACT SERVICES	COST PLUS 15%

