City of Rolling Hills INCORPORATED JANUARY 24, 1957

Agenda Item No.: 11.C
Mtg. Date: 04/25/2022

TO: **HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL**

FROM: **ALAN PALERMO, PROJECT MANAGER**

THRU: **ELAINE JENG P.E., CITY MANAGER**

SUBJECT: **REVIEW DESIGN PROGRESS FOR THE 8" SEWER MAIN ALONG ROLLING HILLS ROAD; AND APPROVE AN AMENDED PROFESSIONAL SERVICES AGREEMENT WITH NV5 FOR ADDITIONAL SERVICES TO COMPLETE CONSTRUCTION DOCUMENTS.**

DATE: **April 25, 2022**

BACKGROUND:
The City Council engaged the services of NV5 to provide engineering design for the 8" sewer main along Portuguese Bend Road/Rolling Hills Road. Since the commencement of the design work, NV5 has met the 65% design, 90% design, and the 100% design milestones. This proposed sewer main crosses several jurisdictions and approval from each jurisdiction is necessary before the project is deemed complete. The additional jurisdictions reviewing the plans are Rolling Hills Estates and City of Torrance.

The City of Torrance has made several requests requiring additional design services in order to approve the plans. First request is the requirement to have Traffic Control Plans for construction activity be prepared, submitted, reviewed, and approved with the Sewer Improvement Plans. The second request is for additional field utility research involving potholing to field verify existing water pipelines and storm drain pipelines to verify the required clearance from the proposed sewer line. The proposed sewer line is not meeting clearance requirements using current as-built information for existing water pipelines and storm drain pipelines and after several discussions with City of Torrance design options have been exhausted.

NV5's request for additional services includes additional design services for the proposed sewer as required once the field location of existing utilities is verified. Their proposal also includes an option to design relocation of existing water pipelines to support the sewer design if necessary/no other sewer design options are available.

The current estimate for construction cost is $1,833,852 and is attached for reference. The cost estimate includes the upsizing of the existing 8" sewer main along Rolling Hills Road to

10" and 12" sewer required by the Los Angeles County Sanitation and the City of Torrance, at three different locations and the construction of 1,653 linear feet of a new 8" sewer main along Rolling Hills Road into the City of Rolling Hills. This cost estimate includes all the other components required for a sewer main construction project (manholes, traffic control, sewer bypass for construction, etc.) and a 20% contingency cost. This cost estimate will be updated with design changes resulting from the field verification of existing utilities and any other agency comments.

DISCUSSION:
The additional design services are necessary to obtain approval from the City of Torrance and proceed to the construction phase of this project.

Upon approval of the plans and specifications from all necessary jurisdictions, the project will be presented to City Council for funding allocation, and approval to release for bid for construction. The project could be constructed in phases and the plans are currently structured to be released as one or two projects. Phase 1 would be the construction of the new 8" sewer from Rolling Hills City Hall/Gate House to the existing 8" sewer in Rolling Hills Road in the City of Rolling Hills Estates. The down stream 8" sewer should be able to accommodate sewer flows from City Hall and the Gate House. The cost for Phase 1 would be approximately $1,100,000 and can be partially funded with the City's ARPA allocation of $441,000.

Phase 2 would encompass upgrading the 8" sewer within City of Torrance to 10" and 12" sewer and this upgrade is needed to support future connections of residential lots in Rolling Hills to the proposed sewer system. The timing for when this improvement is needed would be contingent on future sewer projects in Rolling Hills that would require this downstream upgrade be in place.

FISCAL IMPACT:
NV5's fee proposal to complete engineering design for the Sewer Improvement Project is $92,411 . The fee includes bid support, construction administration during the bidding and construction phases of the project, and an optional fee for waterline design. There is no funding available in the adopted FY 2021-2022 budget for the design fee. If the City Council should move forward with an amended agreement with NV5 to complete construction documents to obtain all agency approvals, General Fund Reserves will be used to pay for the engineering design fees.

RECOMMENDATION:
Approve additional service to complete construction documents requested by the City of Torrance and direct staff to prepare Amendment No. 1 to the service agreement with NV5 in the amount of $92,411.

ATTACHMENTS:
CL_AGN_220314_CC_SewerMain_PortugueseBend_CostEstimate_2021.pdf
NV5_Rolling Hills Sewer Main Torrance Additions 3282022-2.pdf