

CITY COUNCIL AGENDA ITEM
CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Award Construction Contract to Scarsella Bros., Inc. and Professional Services Contract Amendment with Otak, Inc. for Engineering Services for Construction of the Pan Terra Regional Stormwater Facility Improvements
DEPARTMENT:	Public Works
PRESENTED BY:	Tricia Juhnke, Capital Projects Administrator Jon Jordan, Capital Projects Manager

PROBLEM/ISSUE STATEMENT:

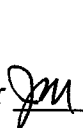
This agenda item is to request Council's authorization to award a construction contract with Scarsella Bros., Inc. for construction of the Pan Terra Regional Stormwater Facility Improvements and a professional services contract amendment with Otak, Inc. for engineering support services during construction. The project was advertised on April 23 and bids were opened on May 14. The engineer's estimate is \$1,761,000. Twelve bids were received with Scarsella Bros., Inc. being the lowest bid at \$1,441,588.75.

RECOMMENDATION

Staff recommends that Council Authorize the City Manager to: 1) award the construction contract with Scarsella Bros., Inc. in the amount of \$ 1,441,588.75 plus a 10% contingency for construction of the Pan Terra Regional Stormwater Facility Improvements; and 2) award the professional services contract amendment with Otak, Inc. in the amount of \$98,500 for engineering services during construction of this project for a total contract amount of \$1,105,398.

Approved By:

City Manager

 City Attorney

BACKGROUND

The Pan Terra Regional Stormwater Facility Improvements Capital Improvement Project (formerly named the Pan Terra Pond and Pump Project) includes: re-grading the existing facility to detain more stormwater, addition of a pump station including a back-up generator, construction of a forced main (a pressurized pipe to pump water to the new conveyance pipe on 3rd Avenue NW), and pipe replacement south of NW 183rd Street in the Happy Valley neighborhood (the existing pipe is undersized and sloped opposite the direction of flow). These improvements provide 25-year flood protection to roadways and property structures downstream of the facility in Happy Valley. Approximately eight properties in Happy Valley experienced flooding, most recently during the December 3, 2007 storm. The improvements also declassify Dayton Avenue N roadway embankment as a dam.

The Pan Terra Regional Stormwater Facility is located at 324 N 185th Street, southwest of the intersection of Richmond Beach Road and Dayton Avenue North. The facility is surrounded on the west and south by homes, on the north by Richmond Beach Road, and on the east by the Dayton Avenue North road embankment. The facility was not originally designed as a stormwater detention facility. In 1967 King County raised the roadbed of Dayton Avenue N (the current height of the roadbed is 26 to 34 feet above the facility) and installed a 24-inch culvert under the road to allow the upstream impoundment area to drain. By 1981, the County had installed a flow control structure manhole on the upstream end of the 24-inch culvert, creating a regional stormwater facility. As Dayton Avenue North now holds the water in the facility, it is considered a dam by the Washington State Department of Ecology Dam Safety Office (WDOE Dam Safety). The County continued to operate this stormwater facility until 1995 when King County transferred ownership of the Pan-Terra Pond to the newly incorporated City of Shoreline. The City's Public Works department was created in 1997, and the first Capital Improvement Plan in 1999 included Surface Water Small Projects to address local flooding problems.

In 1999, under the Surface Water Small Projects, the City of Shoreline authorized Otak to study and design stormwater improvements to alleviate annual flooding immediately downstream of the Pan Terra stormwater facility in the Happy Valley neighborhood. The objectives of the study and design were to maximize the storage potential of the facility by excavating a larger storage volume and installing a new flow control device that would reduce flows leaving the site to a rate that would not cause flooding of homes downstream. As part of a 2000 Dam Safety Analysis performed for the project, it was discovered that the Dayton Avenue North road embankment was never designed or certified as a dam. The WDOE Dam Safety determined that since it meets their criteria of a dam the City must either 1) certify the Dayton Avenue embankment as a dam, or 2) modify the stormwater facility so that it no longer meets their dam criteria. The project was ultimately put on hold due to the unexpected and large scope of work to modify the embankment to meet dam criteria, coupled with strong opposition to the project from surrounding neighbors concerned about the loss of trees and habitat, increased noise, and the increase of open water in the pond that could increase mosquitoes.

At the same time, Otak was involved with the 3rd Avenue NW Drainage Study, which was a comprehensive basin study consisting of the Dayton Avenue and 3rd Avenue

subbasins. In 2003, Otak began work on the 3rd Avenue NW Drainage Improvements Project based on Council approved concepts and staff recommendations of the 3rd Avenue Drainage Study. Part of that work involved an alternatives analysis to integrate flood reduction measures for the Dayton Avenue and 3rd Avenue subbasins. This analysis evaluated solutions to address stormwater management within the North Boeing Creek drainage basin including the Pan Terra stormwater facility. The City's main goals were to find solutions that would provide: 1) a 25-year level of protection for Happy Valley while meeting a point of compliance in Boeing Creek downstream of the Boeing Creek Stormwater Facility (i.e., reduce erosion in Boeing Creek by not increasing flows to the stream); and 2) to declassify the Dayton Avenue embankment as a dam. The design and construction of the improvements recommended from the 3rd Avenue NW Drainage Study and the Dayton Avenue and 3rd Avenue subbasins Flood Reduction Improvements was phased and coordinated with the King County Hidden Lake/Boeing Creek Trunk Sewer project. The improvements were divided into three separate projects, "3rd Avenue NW Drainage Improvements," "Boeing Creek Park & Stormwater Improvements," and the "Pan Terra Regional Stormwater Facility Improvements." The 3rd Avenue NW Drainage Improvements were constructed in 2005. The Pan Terra Pond and Pump Project became a CIP project in the 2006-2011 CIP and will be constructed during the summer/fall of 2008, at the same time as the Boeing Creek Park & Stormwater Improvements. The upgrades to Boeing Creek Park Stormwater Facility must be completed before the Pan Terra Regional Stormwater Facility is fully operational.

Past Council Action: On May 23, 2005 Council authorized staff and Otak to conduct an assessment of the Happy Valley drainage system downstream of the Pan Terra stormwater facility near St. Luke's School, and to conduct an analysis of and design the pump station configuration. In December of 2007, a contract amendment was authorized by the City Manager for the design and production of construction documents for downstream improvements to address local flooding in Happy Valley and to address public comment from the October 18th neighborhood meeting.

Public Process: Public involvement began in 2000 and a neighborhood meeting was held on August 16, 2000 in accordance with the City of Shoreline Planning and Development Services (PADS) procedures for the Site Development Permit Review. As stated above, the project was put on hold due to public opposition and the large scope of work to meet WDOE Dam Safety requirements that was beyond the scope of the Surface Water Small Projects.

A second neighborhood meeting was held on October 18, 2007 for neighbors to look at updated design plans that addressed previous public comments and WDOE Dam Safety requirements. Plans were further modified to protect additional trees as a result of public input at the meeting. Interested public and affected agencies were notified in February of the completed Site Development Permit proposal during the official Notice of Site Development Permit, including SEPA DNS process as required by law. Project plans were available to the public throughout the process. A Determination of Nonsignificance (DNS) was issued on March 20, 2008. Construction documents were prepared and the project was publicly advertised on April 23.

Scope of Work: Awarding the contract to Scarsella Bros., Inc. will allow construction of the following improvements to the Pan Terra Regional Stormwater Facility: (1) re-grade the existing facility to increase the storage volume; (2) construct an earthen berm to detain stormwater and remove an existing flow control structure that will allow the Dayton roadway embankment to be declassified as a dam; (3) install a new flow control structure to reduce flooding of homes downstream, and; (4) install a pump station to route peak stormwater flows directly into the 3rd Avenue drainage system and bypass the downstream neighborhood of Happy Valley to reduce flooding that occurs under existing conditions.

ACTION ITEMS

1) Award Construction Contract to Scarsella Bros., Inc.

The project was advertised on April 23 and bids were opened on May 14. The engineer's estimate for the project is \$1,761,000. Twelve bids were received with Scarsella Bros., Inc. being the lowest bid at \$ 1,441,588.75. A table of all bid results follows.

	Company Name	Total Base Bid
1	Scarsella Bros. Inc.	\$ 1,441,588.75
2	Premium Construction Group, Inc.	\$ 1,549,646.20
3	Construct Company LLC	\$ 1,555,952.90
4	Award Construction, Inc.	\$ 1,562,129.13
5	Plats Plus, Inc.	\$ 1,598,024.00
6	Grade, Inc.	\$ 1,599,931.05
7	Interwest Construction, Inc.	\$ 1,653,057.00
8	SRV Construction, Inc.	\$ 1,681,691.80
9	David C Willi, Inc.	\$ 1,773,251.50
10	Road Construction Northwest, Inc.	\$ 1,870,823.39
11	Westwater Construction Company	\$ 2,249,323.00
12	Johansen Excavating, Inc.	\$ 2,312,666.27

Staff has completed all applicable reference checks on Scarsella Bros., Inc. including State Agency fiscal compliance. References were satisfactory regarding quality of construction and their history of managing budget, materials, and personnel. Staff is confident in Scarsella Bros., Inc.'s ability to complete this project within all terms of the contract.

2) Amend Professional Services Contract with Otak, Inc.

The contract amendment will allow Otak to provide engineering services during construction. These services include: bid support services, verification of construction documents and site conditions, special inspections, developing and administering a stormwater pollution prevention plan, addressing field direction and/or design changes, preparation of record drawings, and other engineering services during construction.

The Otak amendment is to an existing contract for design services. Otak was awarded a contract for design of the 3rd Avenue NW Drainage Improvement Project in 2002 for

\$384,634 as the result of the RFQ process selecting Otak as the best qualified firm on the A&E roster. That contract was amended in 2005 for \$45,098 for professional design services in connection with the Boeing Creek Park Improvements, the Boeing Creek Park Stormwater Project, and the Pan Terra Pond and Pump Station. Additional amendments for design and construction services have since increased Otak's total contract amount to \$1,006,898. The earlier contract, that is being extended by \$98,500 under this amendment, was for analysis and design of the Pan Terra stormwater facility and Dayton Avenue drainage basin downstream of it and did not include construction engineering in the original scope. The City Manager has waived a new RFQ for this extension of the Otak contract. This amendment adds engineering services for the construction phase, and since they did design they are best qualified to perform these services satisfying this criterion for waiver of the RFQ for extension of engineering services contracts exceeding \$50,000.

FINANCIAL IMPACT:

The improvements are funded in the 2008-2013 Capital Improvement Plan. A summary of the financial budget for this project can be found in Attachment A. The bid results are below engineer's estimate and there is sufficient funding in the project budget to award a contract to Scarsella Bros., Inc. and a contract amendment to Otak, as presented in this staff report. The revenue for this project is \$2,280,621. The total project cost estimate, including the Scarsella Bros., Inc. and Otak contracts, is \$2,090,497.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to: 1) award the construction contract with Scarsella Bros., Inc. in the amount of \$ 1,441,588.75 plus a 10% contingency for construction of the Pan Terra Regional Stormwater Facility Improvements; and 2) award the professional services contract amendment with Otak, Inc. in the amount of \$98,500 for engineering services during construction for a total contract amount of \$1,105,398.

ATTACHMENTS:

Attachment A – Budget Summary

Attachment A: Budget Summary

Pan Terra Regional Stormwater Facility (Pond & Pump Station)

Project Costs		Subtotal	Total
Engineering			\$ 479,750
	Contracted Services	\$ 161,625	
	Otak (current)	\$ 171,175	
	Otak (this amendment)	\$ 98,500	
	City Costs	\$ 48,450	
Real Estate Acquisition		\$ -	
Construction			\$ 1,585,748
	Construction Contract	\$ 1,441,589	
	Contingency (10%)	\$ 144,159	
	Utilities (other)	\$ 25,000	
1% for Arts			\$ -
Total Costs			\$ 2,090,497
Project Revenue			
	Surface Water Capital Fund	\$ 2,280,621	
Total Revenue			\$ 2,280,621
Project Balance (revenue- costs)			\$ 190,124