

Memo



Date: March 22, 2011
File: 1390-10
To: City Manager
From: Jason Ough, Utility Technologist, Infrastructure Planning
Subject: Okaview PRV Interconnect

Recommendation:

THAT Council receives, for information, the report from the Utility Technologist dated March 22, 2011, with respect to the Okaview PRV Interconnect.

AND THAT Council approves an expenditure of \$25,000 from account R204 (Water Development Reserve) to accommodate the completion of Okaview PRV Interconnect (project #2417).

AND THAT, the 2011 Financial Plan be amended accordingly.

Purpose:

To advise Council of costs required for the completion and commissioning of a new pressure reducing station on Thrasher Road.

Background:

The need for this station is to improve water supply from Pressure Zone 551m, the Kettle Valley area, to Pressure Zone 511m, the Stellar Drive area. The improvement will augment fire flow, increase system resiliency and provide redundancy to avoid large outages during repair and maintenance. Budget for the station vault and basic components was approved in 2005, account W6722. Challenges associated with siting and positioning this station required additional design work in order to complete the installation.

City forces installed the vault, mechanical and civil work in 2010. Due to escalating construction costs, additional equipment and conflicts with existing shallow utilities, insufficient funds are remaining to complete the project. The remaining work includes the electrical, communications system, programming and telemetry which are required for the commissioning and safe operation of the station.

These funds would also pay for appropriate site restoration of the area surrounding the installations of this vault.

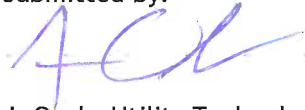
Internal Circulation:

Director, Civic Operations
Director, Financial Services
Director, Infrastructure Planning
Director, Design & Construction Services
Manager, Utility Services

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Considerations not applicable to this report:
Legal/Statutory Authority:
Legal/Statutory Procedural Requirements:
Existing Policy:
Financial/Budgetary Considerations:
Personnel Implications:
External Agency/Public Comments:
Community & Media Relations Comments:
Alternate Recommendation:

Submitted by:



J. Ough, Utility Technologist, Infrastructure Planning

Approved for inclusion:



R. Cleveland, Director, Infrastructure Planning

cc: Director, Civic Operations
Director, Financial Services
Director, Infrastructure Planning
Director, Design & Construction Services
Manager, Utility Services

Attachment: 1



N

0 2.5 5 10 15 Meters

SANDPIPER STREET

RAVEN DRIVE

THRASHER AVENUE

PRESSURE REDUCING VALVE (PRV) VAULT

150mm # COUPLER
150mm # PVC SPOOL
1-150x150-150 TEST HAPR
2-150 GATE VALVE PFI
EX CHAIN
EX 150 PVC WAT
EX 250 PVC PERE STM
EX 150 PVC WAT
EX 250 PVC PERE STM

REMOVE AND REPLACE
EX CURB AT ORIGINAL GRADE
REMOVE & REPLACE
EXISTING GRAVEL &
LANDSCAPING TO ORIGINAL
CONDITIONS
SWITCH EXISTING ASPHALT
& REMOVE CONCRETE CURB
ROAD REPLACEMENT
150mm ASPHALT
150mm GRANULAR SUB BASE
PROPOSED PRV
VAULT

EXPOSE TELEPHONE &
POWER LINES AND
CO-ORDINATE RELOCATION
WITH UTILITIES

EX WATER VEHICLE STOP
BLOW OFF AND CURB STOP
TO BE RELOVED EXAMINED AND
RELOCATED TO NEW POSITION

PROVIDE ASPHALT PARKING
STALL IN THIS AREA
150mm DEPTH ASPHALT
100mm DEPTH GRANULAR
BASE
150mm GRANULAR SUB BASE

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	08/15/23	JK
2	ISSUED FOR CONSTRUCTION	08/15/23	JK
3	ISSUED FOR AS-BUILT	08/15/23	JK
4	ISSUED FOR RECORD	08/15/23	JK
5	ISSUED FOR FINAL	08/15/23	JK

EarthTech
67403

Project: 154
Client: JFD
Date: SEPT 03
Year: 2020

NOTES:
1. ALL WORK CONSTRUCTED TO BE IN ACCORDANCE WITH
LOCAL AND STATE CODES AND THE CITY OF RENO PLUMBING AND
MECHANICAL AND RECORDS DIVISION OF L&L No. 780
REQUIREMENTS.
2. LOCATIONS AND EXTENTS OF EXISTING UTILITIES SHOWN
ON THESE PLANS ARE OBTAINED FROM FIELD SURVEY AND
CONSTRUCTION AND SHALL BE THE RESPONSIBILITY OF THE
CONTRACTOR TO VERIFY AND ADJUST FOR ANY DISCREPANCIES
BEFORE CONSTRUCTION.
3. ALL CONDUITS TO BE INSTALLED SHALL BE BY CITY OF
RENO SPECIFICATIONS UNLESS OTHERWISE SPECIFIED BY THE
CONTRACTOR TO OBTAIN ALL THE EXISTING ELECTRICAL
CONDUIT AND RELocate THE CHANGES IF NECESSARY.