



City Council Report

Date: April 20, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Miscellaneous Drainage Improvements
Stapley Drive and Brown Road
Power Road and Delmon Drive
City of Mesa Project No. 01-477-007
Council Districts No. 1 & 5

Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of bids received on Project No. 01-477-007, Miscellaneous Drainage Improvements, Stapley Drive and Brown Road, and Power Road and Delmon Drive.

It is recommended that Council award this project to the low bidder, J. Banicki Construction Inc. in the amount of \$110,382.25

Background

From time to time, Mesa residents contact the City with storm water concerns that must be addressed. These concerns are logged in for tracking and a staff member in the Engineering Department investigates it. Through discussions with residents, other departments, and site visits, staff evaluates the concern and determines if the concern requires physical modifications and whether funding is available. This project was originated due to numerous resident inquiries at two locations; Stapley Drive and Brown Road and Power Road and Delmon Drive.

Community Impact – Temporary impacts to the area will include construction noise, dust, and traffic restrictions. Once work is started, project completion is anticipated within forty five (45) calendar days.

Discussion

The intersection of Stapley Drive and Brown Road is subjected to frequent flooding during storm events. Due to the elevated nature of the Consolidated Canal, this intersection acts like a “bowl” during monsoon storms. The “bowl” quickly fills and storm water overtops the curb often placing neighboring homes and businesses in danger of flooding. This project will extend a 24-inch storm drain pipe east through the intersection. This new storm drain will allow existing catch basins to function at full capacity.

With all catch basins at the intersection functioning as designed, a greater quantity of storm water will be captured and removed from the intersection during large storms. Large monsoon storms may still subject the local properties to flooding, but this project will reduce much of the impacted area. The cost to completely remedy the drainage problems is in excess of the current funding available. However, these improvements will substantially reduce potential flooding. The City is currently updating the Storm Drain Master Plan which will help identify these substandard areas so that improvement projects can be identified and funded.

Along Power Road, an existing open channel conveys storm water from Hermosa Vista Drive to Delmon Drive. This open channel functions well during small rain events, but during larger events it quickly becomes overloaded and over tops the channel. Instead of flowing south as designed, the storm water overtops the channel and sheet flows east flooding residences along the channel. This project will raise the banks of the open channel and install a weir system that allows over topping flows to continue south. If channel capacity is exceeded during very large rain events, flows will over top the channel at its south boundary after they have been conveyed past the residences.

Alternatives

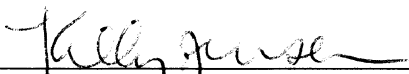
An alternative would be to not construct the improvements. This is not recommended, since storm water will continue to impact these property owners and may result in property damage.

Fiscal Impact

The recommended total award of this project is \$110,382.25, which consists of a low bid of \$100,347.50 plus an additional \$10,034.75 (10% allowance for change orders). This project is funded from the approved FY 08/09 Street Maintenance program.

Coordinated With

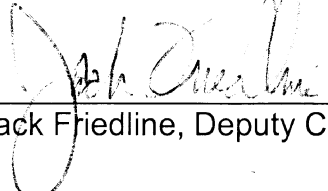
The Transportation Department concurs with this recommendation.



Kelly Jensen, Assistant City Engineer



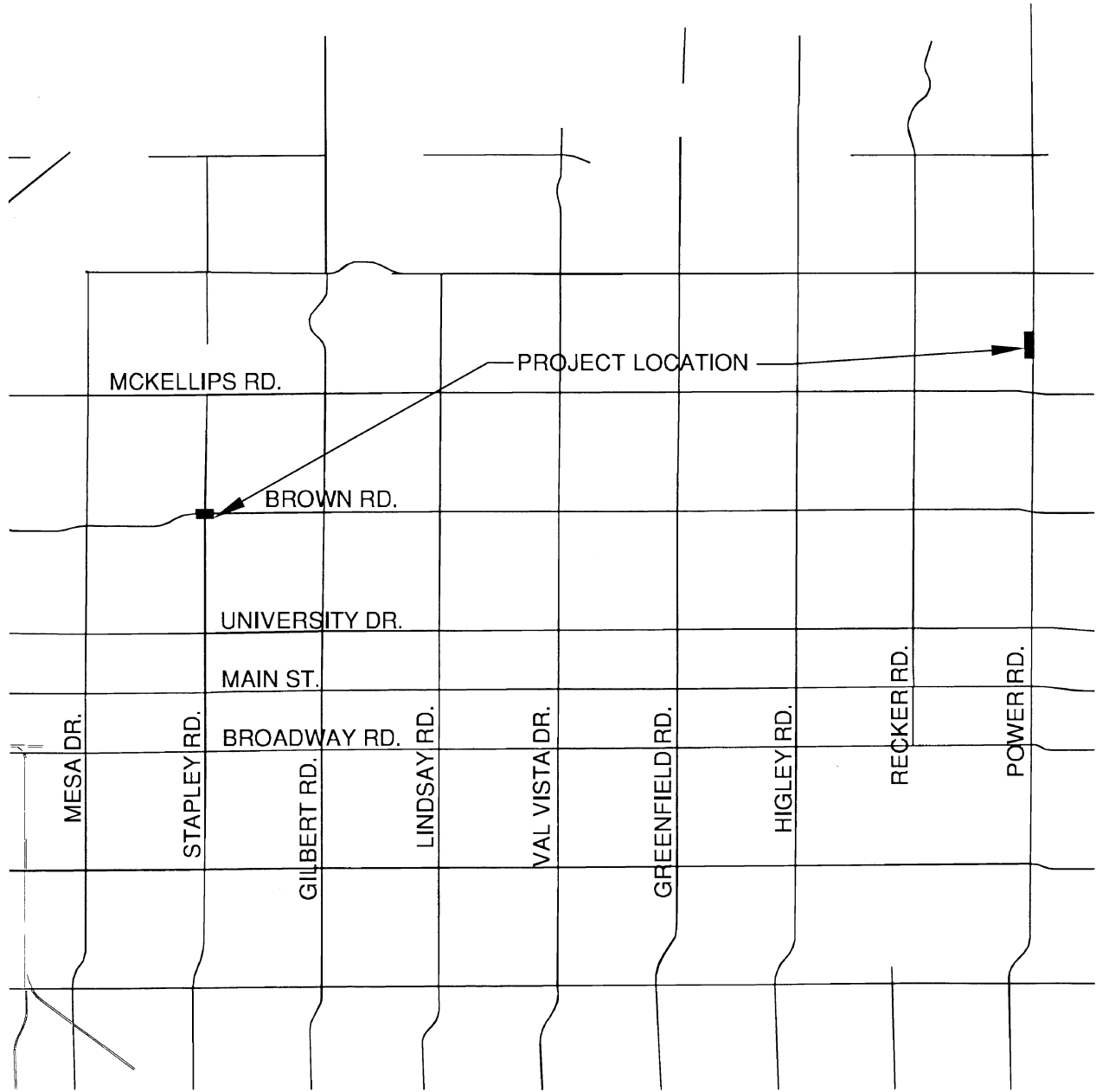
Elizabeth Huning, City Engineer



Jack Friedline, Deputy City Manager



EXHIBIT "A"



DATE: 2/19/08 I:\01-477-007 MISCELLANEOUS DRAINAGE IMPROVEMENTS (STAPLEY & BROWN, 1300 BLK N RECKER, POWER & DELMON)\CAD\COUNCIL MAP.DWG

MISCELLANEOUS DRAINAGE IMPROVEMENTS AT STAPLEY DRIVE AND BROWN ROAD POWER ROAD AND DELMON DRIVE

PROJECT NO. 01-477-07



NORTH

Budget Information:
FY 08/09 Street Maintenance Program

CITY OF MESA
MESA, ARIZONA

MISCELLANEOUS DRAINAGE IMPROVEMENTS, STAPLEY DRIVE AND
BROWN ROAD, POWER ROAD AND DELMON DRIVE

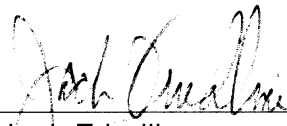
PROJECT NO. 01-477-007

Tabulation of Bids Received, Thursday, March 19, 2009, at 3:00 P.M.

ENGINEER'S ESTIMATE	\$122,225.00
1. J Banicki Construction Inc.	\$100,347.50
2. RGB ERU Joint Venture	\$112,092.50
3. Visus Engineering Construction	\$114,000.00
4. Sahuaro Pipeline Corporation Inc.	\$119,110.00
5. ALR Construction Inc.	\$130,350.00
6. Sallaway Development LLC	\$132,300.00
7. Underground Utilities Inc.	\$132,300.00
8. D and O Contractors Inc.	\$136,230.95
9. Wheeler Construction Inc.	\$137,028.75
10. Standard Construction Company Inc.	\$137,250.00
11. Spire Engineering LLC	\$138,600.00
12. Rummel Construction Inc.	\$141,525.00
13. Five Points Excavating Inc.	\$148,425.00
14. Gunsight Construction Companies LLC	\$158,426.00
15. Pierson Construction Corporation	\$162,315.00

16. Ricor Inc.	\$164,974.00
17. 442 Construction Inc.	\$190,192.18
18. Graef Construction Inc.	\$197,496.00
19. R K Sanders Inc.	\$331,647.00

Recommend award to low bidder, J Banicki Construction Inc., in the amount of \$100,347.50 plus an additional \$10,034.75 (10% allowance for change orders) for a total award of \$110,382.25.



Jack Friedline
Deputy City Manager