



CITY COUNCIL AGENDA ITEM

To: Mayor Graham and City Council
From: Dennis Sullivan, Director of Engineering & Public Works
Walter Denton, City Administrator
Date: March 1, 2010
Subject: RESOLUTION – Matthew Drive Storm Sewer Design Proposal - Revision

List of committees that have reviewed: None

Background: Hoelscher Engineering was asked by staff to submit a proposal for the repair of the culvert that runs under Matthew Drive between the homes at 1006 and 1008 in 2007. They did that and Council accepted the proposal for \$24,400 at their June 18th meeting that year. The pipe section was to be repaired by slipping a new high density polyethylene pipe into the existing pipe and grouting the remaining annular space. Additionally, the discharge of the pipe behind the home at 1006 Matthew was to be repaired. The estimated cost of the repair based on a preliminary review was \$330,000 at that time. The section to be repaired under that proposal was the red line in the attached drawing.

A number of things have slowed the project, lack of funding to complete it being the main one. When the design was beginning to gain momentum about 3 months ago for accomplishment this coming construction season, it was found that a deteriorating junction box at the rear of 1006 Matthew was much closer to the adjacent rear corners of the homes there than previously thought. Therefore, the approach on how to best slip a new pipe in the old one had to be changed. A new location for slipping the pipe between the houses needed to be determined. That location could be in the front yards of 1006 and 1008 Matthew, but it would be problematic and destroy both the yards and a portion of the adjacent roadway. Likewise, a location across the street, in the front yards of 1005 and 1007 Matthew, would result in the same problem. Therefore, staff directed Hoelscher to look at locating the pipe slip point in a new structure at the rear of 1005 and 1007, on District 90 ground at LaVerna Evans Elementary School. At this point, it now makes sense to slip line the existing, failing pipe behind 1007 and 1009 Matthew (green line on attached) while at that location and create a new open channel along the southeast boundary of the District's property at the rear of the homes at 1011, 1013 and 1015 Matthew (blue line on attached). The green and blue line work was to be Phase 2. So, a revised proposal from Hoelscher was requested for all the work to be done simultaneously.

For your information, staff has begun negotiations with the school district over use of their grounds for construction and improvement of the ditch behind 1011, 1013 and 10015 Matthew.

Additionally, a problem with the culvert pipe under Matthew that runs between 902 and 904 Matthew had been on the radar for future accomplishment as well. Since that drainage comes from the school grounds and facility. Staff has asked Hoelscher to accommodate some of that drainage in the current project as well. The orange line on the attached drawing is a notional location based on discussions to date. This concept will also need to be discussed with District 90 officials.

Legal Considerations, if any: None beyond that for obtaining consulting services.

Budget Impact: Funding for this design will come from Proposition S funds set aside for stormwater engineering in the FY11 budget.

Staff recommendation: Staff recommends execution of the RESOLUTION for the agreement with Hoelscher in an amount of \$12,600 to cover the additional design services. The new estimate for this construction associated with this total design is \$550,000 which is in the proposed FY11 Prop S budget.