

**EXECUTIVE SUMMARY**

**Change Order # 4  
 Dania Elementary  
 Vaughn, Wunsch, Masullo Architects, P.A.  
 Fire Sprinkler Protection and  
 Fire Alarm System Replacement  
 Project No. P.000012**

**PROJECT OVERVIEW:**

<b>Type of Contract:</b>	<b>Design / Bid / Build</b>
<b>Architect:</b>	<b>Vaughn, Wunsch, Masullo Architects, P.A.</b>
<b>Contractor:</b>	<b>Grace &amp; Naem Uddin, Inc.</b>
<b>Notice to Proceed Date:</b>	<b>December 15, 2008</b>
<b>Bid Amount (Original Contract Amount):</b>	<b>\$624,238</b>

<b>GENERAL OVERVIEW:</b>	<p>This project consists of the installation of fire sprinkler protection, upgrade of fire alarm and visual alarms at restrooms. This project was awarded in December 2008 and was scheduled for final completion March 2009. However, the project was extended by 864 days in order to reroute the fire main, to avoid underground construction that was installed during the construction of the new cafeteria and new playground. In addition, the delay included changes to the fire alarm system to match the system installed in the new cafeteria.</p> <p>The new project completion date of August 2011 was further delayed due to the underground contractor going out of business and various revisions to the drawings due to utility conflicts that were not identified on the as-built drawings and changes to the fire sprinkler system that were discovered during inspections and required by code.</p> <p>The project is ninety-eight percent complete pending the installation of additional bollards required by the City, restoration to the fire lane and associated final inspections.</p>
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**The following are selected change order items, contained within this agenda item, that require additional staff information and/or explanation.**

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<u>Change Order Item #</u>	006 Rev. 4 (810 days)	CO	<p>This change order is for the labor, material and equipment to install one fire department connection (FDC), add seven concrete thrust blocks and change the 4" PVC connections to ductile iron pipe (DIP).</p> <p>The request to add an additional FDC is to ensure that the distance does not exceed 15' from the hydrant per a previous agreement with the City. In addition, the thrust blocks were requested during the shop drawing review to ensure additional protection and prevent movement of the new fire main piping. The request for DIP is to meet the Design Criteria requirements although PVC was previously specified to reduce cost.</p>
<u>Change Order Item #</u>	007 Rev. 1 (32 days)	CE	<p>This change order is for the labor, material and equipment to relocate the partially installed fire hydrant and to repair and replace the asphalt.</p> <p>The original plans showed the fire hydrants on each side of the driveway, however after review of the plans by the City (during construction), the request was made to relocate the hydrant to avoid potential "bottleneck" for emergency traffic and fire department responders.</p>
<u>Change Order Item #</u>	008 Rev. 3 (18 days)	UC	<p>This change order is for the labor, material and equipment to modify the fire main pipe to avoid conflict with an existing 6" PVC sewer line and 6" sewer lateral.</p> <p>During the installation of the water main at the southwest corner of Building 1 and North of Building 3, the contractor encountered existing utilities not shown on the as-built drawings or identified during utility locations.</p>
<u>Change Order Item #</u>	009 Rev. 2 (4 days)	UC	<p>This change order is for the labor, material and equipment to resolve a conflict between the new 8" DIP fire main and an existing 15" high density polyethylene (HDPE) storm drain pipe and exfiltration trench.</p> <p>During the installation of the water main, the existing conditions did not allow for the installation of the new main to cross above the existing storm drain. The fire main had to be installed under the existing storm drain with a minimum 36" coverage and 12" clearance between pipes.</p>
			<p><i>There may be additional change orders for this project.</i></p>

Typed by: S. Coley/2-26-14

Written by: S. Coley/2-26-14

Approved by:  Date: 3/11/14