

## **PMTurkeyCOLPEm Resource**

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**From:** Habib, Donald  
**Sent:** Thursday, July 02, 2015 8:22 AM  
**To:** PMTurkeyCOLPEm Resource  
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**Table 1**  
**ITAAC for Category I Structure Foundation Grouting, El. -35 to -110 Ft<sup>1</sup>**

Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
<p>No voids exist in the grouted zone (between El. -35 <math>\pm</math> 2 feet and El. -60 <math>\pm</math> 2 feet).</p> <p>The maximum equivalent spherical diameter of potential voids in the extended zone (between El. -60 <math>\pm</math> 2 feet and El. -110 <math>\pm</math> 2 feet) is constrained to 20 <math>\pm</math> 2 feet by the grout program.</p>	<p>1) Grout closure criteria for the grouted zone (between El. -35 <math>\pm</math> 2 feet and El. -60 <math>\pm</math> 2 feet) are defined in the grout test program.</p> <p>Drilling and pressure grouting are performed per grout program specifications established as part of grout test program within:</p> <ul style="list-style-type: none"> <li>(i) Primary and secondary grout boreholes between El. -35 <math>\pm</math> 2 feet and El. -60 <math>\pm</math> 2 feet (if necessary tertiary and quaternary per closure criteria), and</li> <li>(ii) primary grout boreholes down to El. -110 <math>\pm</math> 2 feet inside the region defined by the diaphragm walls.</li> </ul> <p>2) An as-built survey will be performed to confirm the spacing of grout boreholes.</p>	<p>1) Primary and secondary grout boreholes are drilled and pressure grouted between El. -35 <math>\pm</math> 2 feet and El. -60 <math>\pm</math> 2 feet. Grout closure criteria for the grouted zone are met as defined in the grout test program.</p> <p>2) The as-built survey of the grout layout</p> <ul style="list-style-type: none"> <li>a) confirms that spacing of primary grout boreholes is less than or equal to 20 <math>\pm</math> 2 feet on center.</li> <li>b) confirms that secondary grout boreholes are offset from primary grout boreholes such that a secondary grout borehole is at the center of the square formed by four adjacent primary grout boreholes.</li> <li>c) confirms the spacing of tertiary and quaternary grout boreholes if these are necessary per closure criteria.</li> </ul>

Note:

- 1 All elevations are presented in the North American Vertical Datum of 1988 (NAVD88).