



**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Junction Chamber No. 61	EACH	1
Braced Excavation	CU YD	205
Porous Granular Embankment	CU YD	156

**GENERAL NOTES:**

- Alternate materials for the junction chamber top slab may be cast-in-place concrete or precast reinforced concrete.
- The Contractor shall verify the location of the main drain before submitting the braced excavation drawings.
- Excavation shall be performed simultaneously on each side of the existing Main Drain, followed by simultaneous backfilling around the junction chamber.
- Retention systems placed within ten (10) feet of a water main must remain in place permanently.
- All pipe openings are based on wall C ASTM C76, coordinate openings with pipe supplier.
- Cast iron steps shall be gray iron conforming to the requirements of Article 1006.14 of the Standard Specifications.
- See Standard 602701 for details of cast iron steps.
- For additional information, see Standard Specifications.
- For reinforcement details, see Sheets 2 and 3 of 3.
- For additional details, see Drainage Schedules.
- The maximum width of excavation is the width of the junction chamber plus 4 feet, and the maximum length is the length of the junction chamber plus 4 feet. Excavation outside the maximum dimensions specified will not be measured for payment.
- The design of the braced excavation is the responsibility of the Contractor. The Contractor shall submit drawings and design for the braced excavation to the Engineer for approval. The braced excavation design and drawings shall be signed and sealed by an Illinois Licensed Structural Engineer, submitted and approved prior to the start of any work. The Engineer's approval shall not relieve the Contractor from the sole responsibility of the structural integrity of the braced excavation system.
- Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.



Signed Phillip D. Frey  
 Phillip D. Frey, P.E., Ill. Lic. No. 081-004826  
 Expires 11-30-2006  
 Date 3/18/05  
 For drawings 1 thru 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)  
 JUNCTION CHAMBER 61  
 GENERAL PLAN AND ELEVATION  
 STA 2029+66.88 OFFSET 97.40 RT  
 S.N. DESIGNED BY: TD, DJR  
 SCALE: DRAWN BY: DJR  
 DATE: MARCH 18, 2005 CHECKED BY: MI, TD