

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	J.C. 71	J.C. 72
Junction Chamber	EACH	1	1
Braced Excavation	CU YD	384	363
Porous Granular Embankment	CU YD	284	263

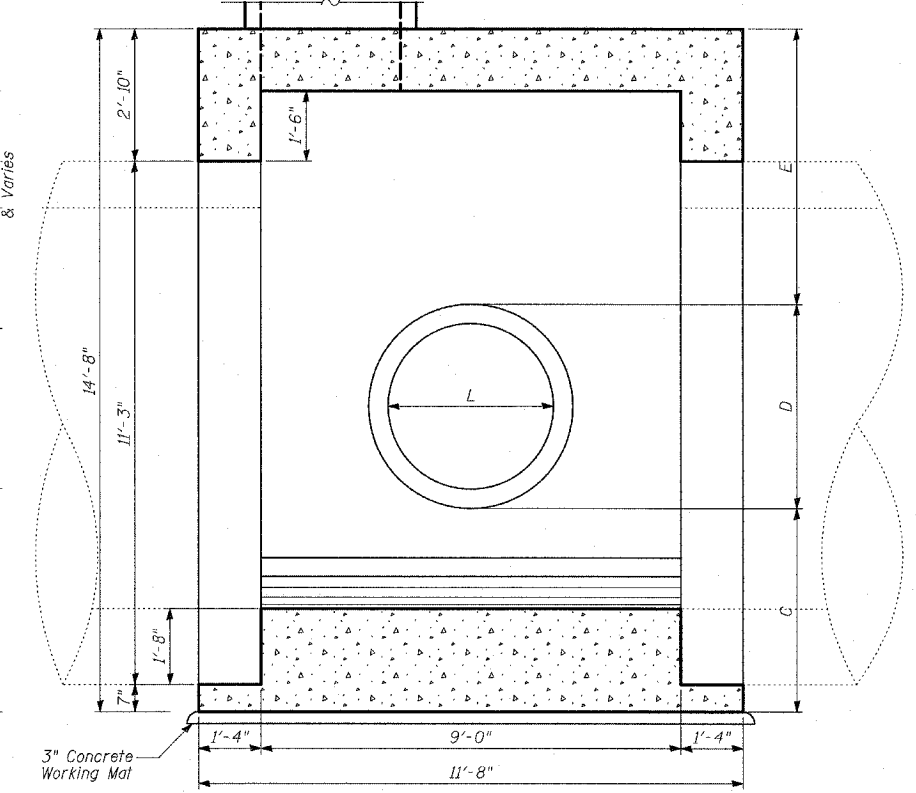
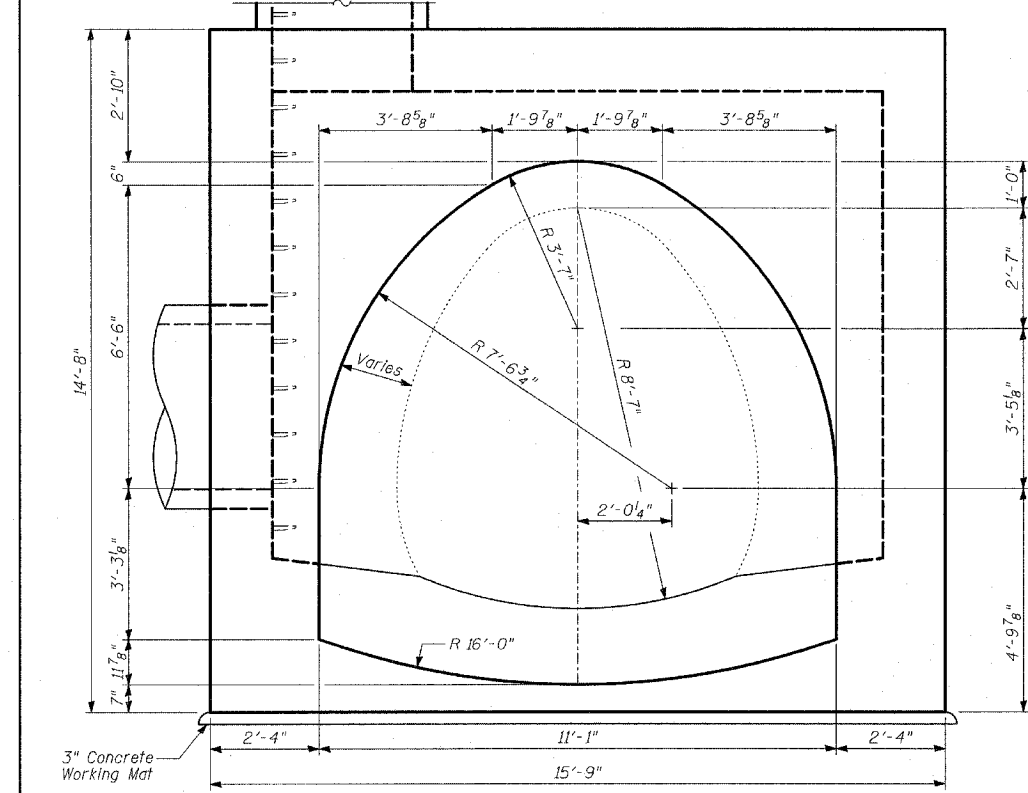
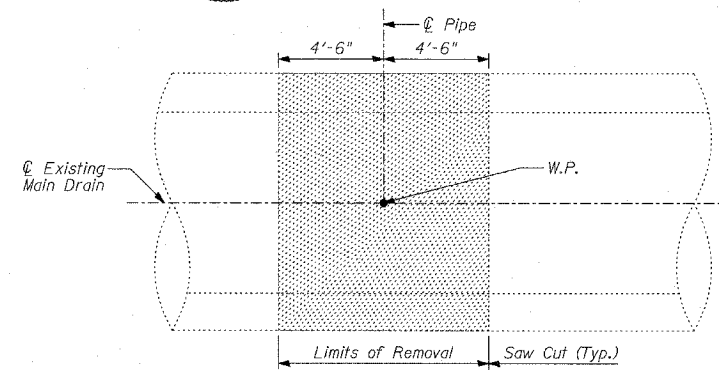
**SECTION A-A**



Signed: *Heather J. Gaffney*  
 Heather J. Gaffney, S.E., No. 081-004961  
 Expires 11-30-2004  
 Date: 11/15/04  
 For drawings 1 thru 3 of 3

**NOTES:**

- The Contractor shall verify the location of the main drain before submitting the braced excavation drawings.
- For additional information, see Standard Specifications.
- For reinforcement details, see Sheets 2 and 3 of 3.
- All pipe openings are based on wall C, ASTM C76, coordinate openings with pipe supplier.
- For Station and Offset, 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.



**TABLE OF JUNCTION CHAMBER VARIABLES**

Structure	A	B	C	D	E	F	G	H	I	J	K	L
71	3'-7 <sup>3</sup> / <sub>4</sub> "	1'-0 <sup>5</sup> / <sub>8</sub> "	4'-4 <sup>3</sup> / <sub>4</sub> "	4'-4 <sup>1</sup> / <sub>2</sub> "	5'-10 <sup>3</sup> / <sub>4</sub> "	-32.55	-30.30	-28.16	0.65	18'-6 <sup>3</sup> / <sub>4</sub> "	-17.88	3'-6"
72	3'-4 <sup>1</sup> / <sub>4</sub> "	1'-0 <sup>5</sup> / <sub>8</sub> "	4'-4 <sup>1</sup> / <sub>4</sub> "	4'-11 <sup>1</sup> / <sub>2</sub> "	5'-4 <sup>1</sup> / <sub>4</sub> "	-32.22	-29.97	-27.87	-0.84	16'-8 <sup>1</sup> / <sub>2</sub> "	-17.55	4'-0"

REVISIONS	NAME	DATE