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McFARLAND-JOHNSON, INC.
Established 1946

SUBMITTAL MEMORANDUM

DATE: October 8, 2007 TO: Danny Landry, PE FROM: Ron Joy
RE: South Burlington AC IM CULV (9) - I-89 over Potash Brook Tributary
A. Box Culvert Shop Drawing C188861-L01 - Box Culvert Layout & Details - (1 of 1)
B. BOXCAR Concrete Box Culvert Computer Program Output (11 Pages)
MJ SUBMITTAL #: 001

- | | |
|--|---|
| <input checked="" type="checkbox"/> Reviewed | <input checked="" type="checkbox"/> Furnish as Corrected |
| <input type="checkbox"/> Rejected | <input type="checkbox"/> Revise and Resubmit (For Record) |
| | <input type="checkbox"/> Submit Specified Item |

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during the review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. Review of a specific item shall not include review of an assembly of which an item is a component. The Contractor is responsible for dimensions to be confirmed and corrected at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of other trades and performing all Work in a safe and satisfactory manner.

McFarland-Johnson, Inc. (MJ) By _____ RLJ

REVIEW COMMENTS:

PRECASTER & BOX CULVERT DESIGNER: Concrete Systems Inc (Attention: Chris Vick)

MJ RECOMMENDS THAT THE ISSUES LISTED BELOW BE ADDRESSED PRIOR TO FABRICATION OF THE BOX CULVERT ELEMENTS

- A. Box Culvert Shop Drawing
1. ELEVATION
 - a. Interstate and median elevations should be verified by the Contractor.
 - b. The plans call out for the cut-off wall to be placed 5 feet below the inverts. Bottom of cut-off wall elevations shall be updated.
 2. NOTES
 - a. Should ASTM C1433-07 (Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers) be replaced or supplemented with ASTM C1577-07 (Standard Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers Designed According to AASHTO LRFD)?
 - b. As noted in the pre-construction conference, the concrete should achieve its 5000 psi design strength before leaving the shop.
 - c. Does the "silane siloxane" mentioned in note 4 meet the water repellent requirements of Item 514.10?