

Harmon Rita T.

From: Biazar, Shahab
Sent: Wednesday, July 01, 2015 9:05 AM
To: Valdez, Angela; Daggett, Kevin; Harmon Rita T.; Lozoya, Melissa
Cc: Woodall, Stephen P.; Wolfenbarger, Jeanne
Subject: Preliminary Drainage Report for Central Avenue Corridor Albuquerque Rapid Transit Project (ART)

Good morning,

I have reviewed the Preliminary Drainage Report for Central Avenue Corridor Albuquerque Rapid Transit Project (ART). I offer the following comments/recommendations:

- Where do the inlets, located west of Tingly Dr. (+/- Sta. 249+00), connect to? Please show existing pipes and sizes. It is mentioned that there is localized flooding. Are the inlets connected to 72" RCP? Can additional inlets be added in this area to eliminate localized flooding?
- There are several locations under the "Segment One" where there are localized flooding, undersized outfalls, etc. Can we determine the contributing basins in this area? Can we upgrade pipe sizes and increase the number inlets on Central regardless of the downstream capacity? This will eliminate any lane closure on Central in the future when the storm drain system is being upgraded downstream.
- Can we include some improvements where it would alleviate some of the future flooding beneath the BNSF railroad tracks (Sta. 371+50) the under pass? Do we have the contributing basin?

Rita had asked me regarding the junction box where the inlets are being relocated. If there is no access from the top junction box (rim access?), I suggest to simply provide a bend.

Thanks

Shahab Biazar, P.E.

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Segment 2+4 w/o drainages
(delayed for drainage imo.)
→ Sept 25th -
inlets were closed

seg. 3 (w/drainages)
→ ~~Sept~~ Oct 30
seg 2+4 drainage
submittal as well

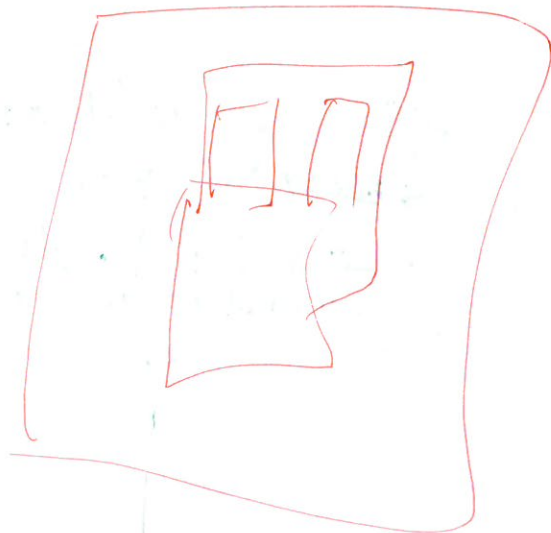
Kevin: meet w Kevin on }
① Junction Box
② Drainage Issues
③ - B - inlets

* we want access
w/ 18' dia access
for vector truck

* specific details of
Junc. Details (not HMPOT)

* Valley Gutter

* Type B to be replaced w
Db C's → use nomographs
pg 40
use Double A



I'll bring it
up to her.

Harmon Rita T.

From: Harmon Rita T.
Sent: Tuesday, September 15, 2015 12:10 PM
To: Potthoff, Edward (Edward.Potthoff@hdrinc.com); Valdez, Angela (Angela.Valdez@hdrinc.com)
Cc: Daggett, Kevin; Biazar, Shahab
Subject: ART - outstanding Drainage issues

Ed, Angela,

I met with Kevin Daggett and Shahab Biazar this morning regarding a few outstanding drainage issues for ART.

- 1) Kevin confirmed that any flooding/drainage issues along the Central corridor were not intended to be addressed by this project. Therefore, closeout any comments of that nature, including comments on the Drainage Report by Shahab Biazar.
- 2) Junction Boxes: Provide construction details of the junction boxes specific to this project, rather than NMDOT standard details, with references to the City's Specifications. Provide access to the Junction Box – enough to allow the maintenance utilizing a Vactor truck.
- 3) Inlets in Valley gutter: Provide construction details of the junction boxes specific to this project, rather than NMDOT standard details, with references to the City's Specification.
- 4) In Segment 5, there are existing Type B inlets. Indicate on the plans the location of all Type B inlets. Did the drainage report state why Type B were used? It is the City's position to remove and replace all Type B inlets with either Double C's or Double A's. This will require determining the capacity of the Type B inlets using the nomographs, and replacing with inlets of the same or more capacity. On page 40 on Segment 5 there are two Type B inlets a short distance apart. Can the downstream inlet be replaced with a Double C, and the upstream inlet a Double A? Please provide calculations showing that doing so does not reduce the capacity. Another alternative is to replace the downstream inlet with a junction box if the upstream inlet has sufficient capacity (equal to the capacity of (2) type B inlets.)

Sincerely,

Rita Harmon, P.E.

Senior Engineer

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