

# STATE OF COLORADO

## Traffic & Safety

Region 1

2829 W. Howard Place

Denver, Colorado 80204



COLORADO  
Department of Transportation

Project Name: **Potomac Boat and RV Storage**

Print Date:

1/25/2022

Highway:

076

Mile Marker:

16

### Drainage Comments:

01-25-2022 - MT

All previous CDOT Comments have been adequately addressed within the updated Report and the comment response letter dated 1-11-2022 is acceptable to CDOT for responses to the previous comments made 11-30-2021. CDOT Hydraulics has no further comments at this time.

11-30-21 – MT

#### Comments:

Some of the comments from the previous submittal have been adequately addressed; while others have not been addressed within Revision 2. See below for comments that have not been addressed appropriately within Revision 2:

3. Calculations will need to demonstrate that proposed flows to the I-76 culvert do not exceed historic flows.

Historical flowrates compared to proposed flowrates at the I-76 culvert was not provided within the report narrative.

4. We need to see the Hydraulic Calculations in Appendix B.

Calculations provided within Appendix B are not complete and contain printing errors. There are no hydraulic calculations included within the report about the proposed 36" that will convey flows from the detention pond. Calculations need to be provided within the report that demonstrate that the 36" RCP outfall will not adversely impact the inlet of the CBC that conveys flows beneath I-76.

5. We require more information about the emergency overflow weir.

There are no details or plans outlining the emergency overflow weir contained within Revision 2.

4-3-21 ASD

Project Summary: The proposed project is a 45.5 acre site for a RV Storage Parking facility located in rural Adams County. The site is bound by I-76 ROW on the northwest side, Burlington Ditch on the north, Potomac Street on the east and Denver Hudson Canal along the south. The site slopes northwest at 1% and existing flow goes below I-76 through a box culvert, then to Locust Run and eventually the S. Platte. The proposed hard parking surface shall be Milled Asphalt and flows will discharge from the detention pond along the historic flow path to a culvert beneath I-76. There are no significant offsite flows to the property. Detention for the entire 45 acres will be constructed in Phase 1 on the northwest side of the property.

#### Comments:

1. The proposed asphalt paving will need to show a higher imperviousness than gravel.
2. CDOT Hydraulics needs to see Historic basin calculations.
3. Calculations will need to demonstrate that proposed flows to the I-76 culvert do not exceed historic flows.
4. We need to see the Hydraulic Calculations in Appendix B.
5. We require more information about the emergency overflow weir.
6. CDOT Hydraulics needs separate Existing and Proposed Basin Maps with flow patterns, flow points, flow rates and more contour labels.