



<b>To:</b>	Jesus Murillo, Senior Planner City of Scottsdale
<b>From:</b>	Kim Wheeler, PE
<b>RE:</b>	46-DR-2021 North Miller Road Bridge Project
<b>Date:</b>	April 26, 2022
<b>Project #:</b>	2020027-02

## Cover Letter

Please find attached our resubmittal documents for the Miller Road: Pinnacle Peak Road to Happy Valley Road project.

Our responses to the DR Review Comments #01 received on 01/05/2022 are provided below.

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### Zoning Ordinance and Scottsdale Revised Code Significant Issues

#### Zoning:

1. (Example) Please revise the Project Narrative to address the Development Review Board criteria set forth in Section 1.904. of the Zoning Ordinance. – N/A

#### Circulation:

2. (Example) In accordance with Section 47-36 of the Scottsdale Revised Code, please revise the site plan to include a sixty-five (65) foot half-street right-of-way dedication for North Scottsdale Road. This dedication will be required prior to building permit issuance. – N/A

#### Zoning:

3. Please update the project narrative to describe how the project has addressed neighborhood concerns.
  - **Response: Complete** – See Sections 2 & 3 of the revised Project Narrative.
4. Please update the project narrative, and associated case materials, to describe how the existing, and proposed, trail under the bridge is being addressed/accessed.
  - **Response:** See Section 5b(i) of the Project Narrative. The height of the bridge over the wash is approximately 10.5 feet from the surface of the road to the bottom of the wash. This is based on providing a 2-foot clearance from the bottom of the bridge to the highest water elevation for the 100-year storm event per City and Flood Control District standards. This provides the lowest bridge profile possible and leaves approximately 8.5 feet of clearance for pedestrian and maintenance access under the bridge.

5. Please update the project narrative, and associated case materials, to identify why there is not shared path located to the north of the bridge.
  - **Response:** See Section 5c of the revised Project Narrative. The limits of the multi-use trail have been revised to extend north of the bridge.
6. Please update the project narrative, and associated case materials, to identify why there is no pedestrian “foot lighting” located between the outer edge of the pedestrian path and the barrier. Between the street and the pedestrian sidewalk.
  - **Response:** See Section 5b(iii) of the revised Project Narrative. No “foot lighting” is proposed at the bridge for several reasons. The adjacent residents are sensitive to any lighting added to this project and, as part of public outreach, the City committed to no lighting on the bridge. Additionally, the City Transportation Department indicated they did not want any foot lighting on the bridge as this is not something they have required on other similar bridges in the past.

Drainage:

7. Comments from the Stormwater Departments review of the sixty percent (60%) completed drainage report and drainage plans, were provided on July 22, 2021. The drainage report and drainage plans submitted for this first review cycle of this case is identical to the materials submitted for review in July of 2021. The provided drainage report and materials does not appear to address staff’s comments from the July review. Please address those comment with the next submittal. The provided report will now be saved to the city CDS case folder and shared on the city Internet File Exchange system. –
  - **Response: Complete** – See attached revised Drainage Report dated 02/28/22 and responses to 60% review comments.

Additionally, the provided drainage report includes material and references from the relevant Rawhide Wash project. The requested updated drainage report for this case should continue provide and include the latest updates from the Rawhide Wash project.

  - **Response: Complete** – See attached revised Drainage Report dated 02/28/22.

Water and Wastewater:

8. Please submit the revised Water and Wastewater Design Report to your Project Coordinator with the rest of the resubmittal material identified in Attachment A. Please update the Basis of Design Reports to address the following comments:
  - **Response:** These water line relocations are currently under construction. These plans were reviewed (by Scott Anderson, Jon Hughes, and Razaur Rahman) and subsequently approved for construction City’s Water Department in Oct/Nov 2021.
  - a. Update project narrative to acknowledge that the final sealed and signed drainage plans must receive approval from MCES. The provided Flood Insurance Rate Map is not required to be provided regarding the waterline, and as such, this information may be removed.
    - **Response:** The Water Line Plans were reviewed and approved by MCESD Oct 2021. See attached permits.
  - b. Update Sheet “W7,” and other relevant waterline plans, to remove pavement striping.
    - **Response:** Complete, see attached Water Plans.

- c. Update Sheet "W8," and other relevant sheets, to quantify the length of pipe section that requires removal. Abandonment in place is typically not quantified unless it requires slurry fill. Update the waterline sheets to identify the remaining pipe sections that will be abandoned in place are to be capped with concrete.
  - **Response:** Plans revised to specify slurry backfill for abandoned water lines.
- d. Update Sheet "W8," and other relevant sheets, to provide a large diameter line (example: 36-inch) to be filled with slurry to minimize future ground subsidence.
  - **Response:** Plans revised to specify slurry backfill for abandoned water lines.
- e. Update Sheet "W13," and other relevant sheets, to verify the additional thrust support required on the north side of the new Tee. The new thrust block will restrain thrust along east-west direction.
  - **Response:** The water line north of the tee will be removed/abandoned in place. Thrust blocks and pipe restraint included per MAG and City requirements.
- f. Update Sheet "W13" to remove the proposed fire hydrant. Additional fire hydrants are not required.
  - **Response:** This fire hydrant is called to be removed; however, this is not a fire hydrant used for fire protection, it serves as a blow off.

9. Final plans shall require coordination with utility providers for signatures.

- **Response:** We have been coordinating with all the relevant utility providers in the area. We are currently working with APS and Southwest Gas for their required relocations. ITS relocations will be handled by the CMAR for this project. See attached clearance letters and/or relocation plans.

#### Technical Corrections

##### Circulation:

10. Please consider moving the median nose further south at the E. Mariposa Grande Drive intersection to create a left-turn refuge area. Please update the site plans accordingly.
- **Response:** Complete, see revised 100% Roadway and Bridge Plans.

##### Engineering:

11. The provided right-of-way widths do not appear to be consistent from plan submittal to plan submittal. Please coordinate and update as needed.
- **Response:** Complete, see revised 100% Roadway and Bridge Plans.
12. Plans should be updated to reflect water line easement beginning @ approx. L sta 20+00
- **Response:** The water line easement is shown correctly. Tract C of the Los Portones Townhomes HOA already allows for public utilities and therefore a separate water line easement is not required.

## Resubmittal Checklist

Per our subsequent correspondence, some of the documents requested for resubmittal are not applicable as indicated below.

- ☒ COVER LETTER – Respond to all the issues identified in this 1st Review Comment Letter
- ☒ Revised Narrative for Project
- ☒ ~~Results of Alta Survey~~ **NOT REQUIRED**
- ☒ ~~Revised Traffic Impact Mitigation Analysis (TIMA)~~ **NOT REQUIRED**
- ☒ Site Plan:
- ☒ Landscape Plan:
- ☒ Lighting Site Plans:
- ☒ ~~Photometric Analysis Plans:~~ **NO BRIDGE LIGHTING PER TRANSPORTATION DEPT.**
- ☒ Manufacturer Cut Sheets of All Proposed Lighting:
- ☒ Revegetation Site Plan & Techniques

Technical Reports: Please submit one (1) digital copy of each report requested

- ☒ Revised Drainage Report:
- ☒ Revised Water Design Report:
- ☒ ~~Revised Wastewater Design Report:~~ **NOT APPLICABLE**