

3. The site is adjacent to or crosses an existing or proposed *Clark County Regional Flood Control District* (CCRFCD) master planned facility. Therefore, CCRFCD concurrence is required prior to final approval of the drainage study.

Please note that effective March 15, 2019, the CCRFCD adopted new requirements for drainage study concurrence submittal. Follow the link below for specific guidance.

<http://gustfront.ccrfcd.org/LandDev/LandDev.aspx>

4. **Standard Form 1:** Revise the “Township” number from 21S to **20S**.
5. **Sheet 3/30:** General Notes: Replace the “*Las Vegas Valley Construction Site BMP Guidelines*” with the current version.
6. Provide more discussion of the purpose of the “Additional Hydraulic Calculations”. It appears that the pages following *Sub-chapter 3.2 (Additional Hydraulic Calculations)* on Page 10 had been missing?
7. The HY-8 calculations account for 1,050 cfs, but all references show 1,492 cfs at the inlet structure. Review and revise for consistency in the next submittal.
8. Provide hydraulic grade lines (HGLs) on all storm drain profiles, label V_{100} and clearly identify 1” additional sacrificial concrete wherever the 100-year flow velocity is greater than 25 ft/s.
9. **Sheet 6/30:** The *Overall Grading Plan* shows two boundary lines: one appears to be property line (village boundary) and one is a grey broken line adjacent to the outer side of the property line. Address what this grey broken line is and identify it on all the pertinent section details in the next submittal.
10. **Sheet 6/30:** Provide a table with stationing along the perimeter flood wall to include data such as velocity, flow depth, channel heights and freeboard criteria etc. The station spacing may be in 200’ increment.
11. **Sheet 9/30:** Address how to get down to the bottom of the *North Channel*? Provide access and show it in the next submittal.
12. **Sheet 14/30:** The plan shows an “*Existing Village 27 COS-1 Drainage Improvements*” with 4#12’x6’-RCB culverts. The reviewer is not aware of this improvement have been processed and approved. Provide the name of the drainage study for that improvements for verification in the next submittal.
13. **Sheet 26/30:** Provide a minimum 40’-wide public drainage easement (privately maintained by the Summerlin Master HOA) containing the proposed 9’x6’ RCB across the northwest corner of the subject Parcel D development. The easement must be granted and recorded prior to the final approval of the improvement plans.
14. **Sheet 26/30:** Provide storm drain manholes at each angle point along the concrete box.
15. **Sheet 28/30:** All the sections on the detail sheet show flows against the cutoff wall. Provide scour calculation to determine the cutoff wall depth.
16. **Sheet 28/30:** *Section Details B, C & E* show channel without distinctive flowline. Provide flowline in the next submittal.
17. **Sheet 28/30:** *Section Details D & H:* It is not acceptable to have flow against a flood wall. Review and revise accordingly.
18. **Sheet 28/30:** Provide fall protection such as wrought iron fencing in all section details.
19. **Sheet 30/30:** *Section Detail A:* Address the flow velocity at the storm drain outlet area and any provision and design of energy dissipators.
20. **Sheet 30/30:** *Section Detail B:* The detail shows some “galvanized pipes” in front of the triple 8’x7’ RCBs but is not seen in Profile 2 on Sheet 27/30. Address the discrepancy.