

SNHD BSL-3 Lab Drainage Study
Parcel No. 139-33-402-031

To: Land Development Services
Dept. of Community Development – Building & Safety Division

Attn: Neil Wacaser, Dept. of Public Works

Below please find the response to the Drainage Study comments (issued February 11, 2025) prepared for the Southern Nevada Health District BSL-3 Lab project.

1. It is noted that a copy of the zoning/planning conditions associated with this site was included with the most recent submittal. Flood Control will not issue conditional approval of the drainage study without the associated zoning/planning conditions as stated in the Notice of Approval letter *issued by the City Council*. Any associated conditions of approval that revise the site drainage parameters will require that the drainage study be revised and resubmitted.

Response: Clarification has been provided from Niel that easement vacations do not need to be approved by City Council, just Planning Commission.

2. Two separate sets of plans were included in the latest submittal. One set was plotted on 30" X 42" sheets. Consolidate the information and submit one complete set of plans, plotted on 24" X 36" sheets per CCRFCD Standard Form 2 and City of Las Vegas Standard Form 2 Supplement requirements with the next submittal.

Response: The previous submittal including 30" X 42" plans were part of the building permit set, not public improvements. The building permit sheets showing onsite grading and site sections have now been included in 24" X 36" format, and are included as reference pages for Flood Control and LVVWD review.

3. The latest submittal shows the entire mainline storm drain to be constructed using C-900 PVC pipe. C-900 may only be used in order to provide sufficient clearance from other wet utilities in the vicinity of the storm drain in accordance with HCCDM Section 802.4.3.2. Accordingly, the C-900 pipe is acceptable between DI #1 and SDMH #29. Use RCP for all other storm drain sections.

Response: Per Section 2.22.01 of the UDACS, water mains shall maintain a minimum of 10' horizontal separation and 18" vertical separation from storm drain or sewer lines. If the horizontal or vertical separation cannot be maintained, C900 PVC is a suitable material change to allow a smaller separation. On the proposed storm drain. Lines #1, 3, and 5 have less than 18" vertical separation to an existing water line and line #4 has less than 10' horizontal separation to an existing water line. Therefore, pipe material is revised to C900 for lines 1, 3, 4 & 5. Pipe #2 remains as RCP.

4. On the Plan View portion of Sheet C-02 (5 of 10), two station values are provided for each manhole; one corresponding to the Wellness Way centerline and the other to the storm drain centerline. Remove the station value corresponding to the main line storm drain so the manholes all have only one station value, which corresponds to the Wellness Way centerline. Provide a station and offset referenced to the Wellness Way cul-de-sac centerline for an identified point on the proposed Type CD Modified drop inlet.

Response: The storm drain profile sheet (now named sheet C-05), has been revised to show only the Wellness Way centerline for each of the storm drain manholes. The Type CD Modified drop inlet has a station and offset callout at the center of structure related to the Wellness Way centerline.

5. Provide a connection detail for the two 8-inch onsite storm drain pipes that will connect into the proposed Type CD Modified drop inlet.

Response: The onsite storm drain pipes will be built with the type CD drop inlet, therefore the pipe connections can utilize the connection detail per USDCCA 412.1. Note 33 on sheet C-05 has been added to two 8" pipe connections for clarity.

6. Provide the document numbers on the plans for the sewer easement and the drainage easement to be vacated.

Response: To our knowledge, sewer and drainage easements to be vacated cannot be recorded until Flood Control signs off on drainage study and public improvements. The easement vacation numbers will be provided on the final plans.

7. Provide the latest stormwater management notes on the next submittal. Contact CLV Flood Control for a copy of the correct notes.

Response: The stormwater management notes have been added to sheet G-01.

8. The abbreviation "IE" is assumed to mean "Invert Elevation". Add that definition to the list of abbreviations on the plans.

Response: "IE" does stand for Invert Elevation. The definition has been added to the abbreviations list on sheet G-02.

9. Provide the standard drainage compliance note on the grading plan: "*I (ENGINEER'S NAME) CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT (DS5804)*". Provide engineer's signature on the note.

Response: Note has been added to the offsite grading sheet (C-02) and the onsite grading sheet (REF). The note will be signed upon plan approval.

10. Add a note to all pertinent sheets for the construction of Type CD Modified drop inlet to include a Stormwater Quality Management Stamp and Sign Detail per USDCCA Drawing No. 421.

Response: Sheet C-05, construction note 14, has been revised to include the above referenced note.