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February 18, 2024

Mailed Via: E-mail

Andrew Whittaker, P.E.
RCI Engineering
500 S Rancho Drive, Suite 17, Las Vegas, NV

Re: **Supplement #1 to Addendum#1 to the Technical Drainage Study for Lake Mead & Rancho**
(CNLV No. 236-2024)

Dear Mr. Whittaker,

The City of North Las Vegas (CNLV) has reviewed the above referenced Technical Drainage Study received on September 5, 2024, Addendum #1 received on November 18, 2024, and Supplement#1 received on January 27, 2025 and found them to meet the minimum accepted standards for a Technical Drainage Study. This acceptance is contingent upon the following condition(s):

1. Concurrence must be obtained from Clark County Regional Flood Control District (CCRFCFD) prior to final approval of the Civil Improvement Plans since the site is adjacent to an existing or proposed CCRFCFD master planned facility. A copy of this study and all the addenda must be submitted to CCRFCFD once approved by CNLV.
2. Concurrence must be obtained from City of Las Vegas Public Works (CLVPW) prior to approval of the Civil Improvement Plans since the site is adjacent to City of Las Vegas jurisdiction boundary. A copy of this study and all the addenda must be submitted to CLVPW once approved by CNLV.
3. Concurrence must be obtained from Nevada Department of Transportation (NDOT) prior to approval of the Civil Improvement Plans since the site is adjacent to NDOT jurisdiction boundary. Also, NDOT approval is required for the proposed improvements and/or discharge flows within NDOT Right-of-Way. Refer to Unit 1 grading plan Sheet G-15 and Detail 6 Sheet D-1 proposing sidewalk within Rancho Drive right-of-way. NDOT encroachment permit must be obtained prior to City of North Las Vegas Public Works Civil Improvement approval. NOTE: NDOT generally does not allow for development to increase flow into their ROW - onsite detention may be required.
4. Structural approval of any proposed drainage facilities is required prior to Civil Improvement Plan approval, such as retaining/flood wall, transition structural facility on Unit 1 Sheet G-13,

the 18" RCP penetration into the existing Regional facility 90" RCP SD on Unit-1 civil plan G-5 and other non-standard flood related structures. Also, please provide the structural submittal package according to the CNLV Structural Analysis Submittal Guidelines that can be found on the North Las Vegas website/Business/Development Services/Civil Improvement Plans/Civil Improvement Checklist page 19.

5. All proposed interim flood control facilities must be maintained by the developer.
6. Sheet G-2, Unit 1: It appears that there is no positive drainage downstream of the proposed sediment trap to the west of Winecup Ridge Rd/Ranger Crossing St intersection. Revise grading to provide positive drainage away from the sediment trap. Also, provide a typical detail section for the proposed sediment trap.
7. Show and label public drainage easement to be privately maintained, minimum 20' wide, in the private street along the path of the proposed onsite storm drain infrastructure. Labels and linework missing on the following sheets - Unit 1: sheet, G-4, G-9, G-10, P-4, P-6, P-8 and Unit 2: G-4, G-8. Ensure to provide the easement linework at angle points and transitions. Further, provide HGL and Q100 flowrate labels in Inlet 2 & 3 profile on P-21 Sheet.

Please be advised that all land surface area disturbances over 1 acre and/or adjacent to a water way must submit a "Notice of Intent" to discharge to the Nevada Division of Environmental Protection, which certifies that a storm water pollution prevention plan has been developed and is maintained on site. For more information, including forms and applications, see <http://ndep.nv.gov/bwpc/storm01.htm>.

Acceptance of this drainage study does not imply approval of the improvement plans associated with the drainage for this site. A detailed review of the improvement plans will be performed by staff during the improvement plan review process.

Any future changes in the proposed design (or design assumptions) as outlined in the approved drainage study which affect drainage must be addressed in a drainage study update and accepted by the CNLV Development and Flood Control Division. Additionally, conditional acceptance of a drainage study is valid for a period of one (1) year. If the proposed construction has not been completed in that time period, CNLV reserves the right to require additional conditions and/or submission and acceptance of another complete drainage study update prior to further construction of the project.

The City of North Las Vegas, its officials, VTN Nevada, or employees assume no liability for information, data, calculations and conclusions presented by the consulting engineers. We, therefore, make no warranties, either expressed or implied, in conducting this review. If you have any questions concerning this matter, please contact me at (702)-633-1254.

Sincerely,



Simon Luk, P.E., M.S.
Engineering Associate
Development and Flood Control Division
Department of Public Works