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**Department of Public Works**

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September 29, 2022

Mailed Via: E-mail

Janelle Klein, P.E.  
Taney Engineering  
6030 S. Jones, Suite 100  
Las Vegas, Nevada 89118

Re: **TDS for Lake Mead West Senior**

**(CNLV No. 332-2022)**

Dear Mrs. Klein

The City of North Las Vegas (CNLV) has reviewed the above referenced Technical Drainage Study received on September 6, 2022, and found it 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 (CCRFCD) prior to final approval of the civil improvement plans since the site is adjacent to an existing or proposed CCRFCD master planned facility. A copy of this study and all the addenda must be submitted to CCRFCD 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. Per out telephone conversation on September 29, 2022, please revise the Grading Plans to address the followings before submitting the civil improvement plans:
  - a. Provide the half street improvements adjacent to the site for Coran Lane per the requirement of the Planning approval dated October 19, 2020 if it has not been included in Phase 1.

- b. Call out a section for Coran Lane on civil plan G2 and provide a section detail on the detail sheet. As a reminder, flood protection for the site from the storm water in Coran Lane is required.
  - c. Since the Q100 storm flow depth and velocity are 1.2' and 6.11 fps respectively in Lake Mead Boulevard, provide one foot tall of berm with riprap (D50=6") on top of the berm for flood and erosion protection along Lake Mead Boulevard.
  - d. For the cluster of buildings adjacent to the proposed swales, provide deepen footings with the top of footing to be at least 12" below the flow line elevation of the swales adjacent to the buildings. Also, call out the location of the deepen footings on the grading plan with the footing details provided on the detail sheet.
  - e. For the 4" PVC SD among buildings 1 to 14 on civil plans G1 and G2, provide positive drainage at the outlet of the pipes.
4. Please coordinate with Mark Escobedo, Development and Flood Control Manager, when submitting Civil Improvement plans for this project. Mr. Escobedo can be reached at [escobedom@cityofnorthlasvegas.com](mailto:escobedom@cityofnorthlasvegas.com).

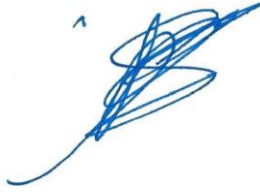
Please be advised that all land surface area disturbances over 1 acre and/or adjacent to a water way must submit a "Notice of Intent" to discharge to the Nevada Division of Environmental Protection, which certifies that a storm water pollution prevention plan has been developed and is maintained on site. 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,

A handwritten signature in blue ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

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