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| CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM | | DATE: April 5, 2021 |
| TO: Land Development Services Department of Building & Safety | | FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works |
| SUBJECT: | Drainage Study for: | COPIES TO: |
| Summerlin West Grand Park Detention Basin - Inlet Pipe - Update #4 | | VTN Nevada |
| Cross Streets: | I-215 and Summerlin Parkway | The Howard Hughes Corporation |
| File Number: | F:\Depot\DSMemos\DS5226H.doc | Bart Anderson, P.E., DevCo |
| Parcel Number: | 137-22-301-001 | CCRFCD |
| Zoning Action: | N/A | |
| FEMA Flood Zone | YES NO X | |
| Proposed Storm Drain | YES X NO | |

| HISTORY | DATE RECEIVED | DATE REVIEWED | COMMENTS | REVIEW FEES | FEES PAID Payment Trn # |
|---|-------------------------|----------------------------|----------------------|-------------------|----------------------------|
| 1 st Submittal | 11/27/2019 | 12/20/2019 & 12/30/2019 | Not Approved | \$400.00 | 3658677: \$400 |
| 2 nd Submittal | 2/18/2020 | 3/26/2020 | Not Approved | \$400.00 | 3747241: \$400 |
| 3 rd Submittal | 4/20/2020 | 5/11/2020 | Conditional Approval | \$400.00 | 3820204: \$400 |
| CCRFCD | 6/23/2020 | 7/1/2020 | Concurrence Recv'd | N/C | N/C |
| 4 th Submittal | 8/17/2020 | 9/2/2020 | Approved | \$100.00 | 3955863: \$100 |
| 5 th Submittal | 1/20/2021 | 2/3/2021 | Approved | \$100.00 | 4157421: \$100 |
| 6 th Submittal | 2/25/2021 | 3/8/2021 | Approved | \$100.00 | 4180877: \$100 |
| 7 th Submittal & Supplement | 3/14/2022 & 4/4/2022 | 4/5/2022 | See Comments Below | \$100.00 | 4687560: \$100 |
| TOTAL FEES (LDDRS): | | | | \$1,600.00 | ---- |

REMARKS:

7th Submittal & Supplement: Update #4 for minor flow revision

6th Submittal: Update #3 to correct a typo in a detail callout

5th Submittal: Update #2 to revise a lateral pipe material from RCP to PVC

4th Submittal: Update #1 for storm drain laterals revision

The Drainage Study for the subject project has been reviewed and:

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| X | is approved subject to conformance to all City standards and the following conditions: |
| | must be resubmitted or supplemented including the following: |
| | is conditionally approved subject to Clark County Regional Flood Control District concurrence. |
| | is conditionally approved subject to Clark County Public Works Department concurrence |

1. The project proposed to construct temporary drainage facilities including drainage berms/ditches along the west side of various perimeter streets. Prior to the final plans approval, the developer must complete a **Maintenance & Liability Agreement** for the interim drainage improvements and post a minimum maintenance bond of \$50,000 or 50-percent of the construction cost for the improvements, whichever is greater. The engineer must submit an estimate of the quantities for constructing the facilities and an exhibit that adequately shows the location and limits of the drainage facilities to *City Flood Control* for approval. Once the drainage study is conditionally approved, the engineer/developer should contact the *City's Land Development Section (702-229-6371)* to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update/letter will be required to justify that the berm/swale are no longer necessary and can be removed.

2. Previous comment for Sheet PP4 to Sheet PP6 to extend the 30"-RCP stub from *Sunset Run Drive* to Station 25+00 in *Calico Bend Drive* for future inlets connection will be required upon future *Calico Bend Drive Street Improvement Project*.
3. Previous comment for Sheet PP7 to Sheet PP10 to provide extension of storm drain and inlets in *Park Drift Trail* from Station 236+00 to the intersection with *Lake Mead Boulevard* will be required upon future *Park Drift Trail Street Improvement Project*.
4. Previous comment for Sheet PP11 to Sheet PP13 to provide extension of storm drain and inlets in *Park Drift Trail* between *Lake Mead Boulevard* and *Sunset Run Drive* will be required upon future *Park Drift Trail Street Improvement Project*.
5. Previous comment for Sheet PP17 to Sheet PP19 to extend the 54"-RCP stub in *Sunset Run Drive* to provide future drop inlets will be required upon future *Sunset Run Drive Street Improvement Project*.
6. All offsite interim flood control facilities such as but not limited to berms/ditches, temporary sump and temporary sediment basins are privately owned and to be privately maintained by the *Howard Hughes Company*. Provide a note as such on the grading plans.

NOTE: Any future changes to the proposed design (or design assumptions) as outlined in the approved drainage study and attached preliminary grading plan which affect drainage must be addressed in a Drainage Study Update and accepted by the *City of Las Vegas Flood Control Section*. 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, the *City of Las Vegas* reserves the right to require additional conditions and/or submission and acceptance of a complete drainage study update prior to further construction of a project.

NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the Nevada Division of Environmental Protection a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

END OF REMARKS
HDR/AYS

T/R/S: T20S/R59E/22
AREA K-22