

DS #: 5250

APN: 137-21-101-002

PROJECT: Summerlin West WOTUS-5 Diversion Facility

SUBMITTAL: CC RFCD

SCANNED BY/DATE:

CHECKED BY/DATE:



CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		November 10, 2020
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 WOTUS-5 Diversion Facility		GCW
Cross Streets:	Fox Hill Drive & Park Drift Trail	Howard Hughes Company, LLC
File Number:	F:\Depot\DSMemos\DS5250C.doc	Bart Anderson, P.E., DevCo
Parcel Number:	137-21-101-002	CCRFC
Zoning Action:	N/A	
FEMA Flood Zone	YES	NO X
Proposed Storm Drain	YES	NO X

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal & Supplemental	2/13/2020 & 3/16/2020	3/4/2020 & 3/9/2020 & 3/16/2020	Not Approved	\$400.00	3744771: \$400
2 nd Submittal	10/01/2020	10/15/2020	Conditional Approval	\$400.00	4010657: \$400
CCRFC	11/3/2020	11/10/2020	Concurrence Recv'd	N/C	N/C
			TOTAL FEES (LDDRS):	\$800.00	----

REMARKS: Supplemental information provided for clarification to update memo.

2nd Submittal addressed CCRFC Comments.

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

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.

- 1. Provide an additional detail for Flood Warning Sign in Spanish Language.**
- A Clark County Regional Flood Control District Master Plan Update Amendment (MPU) will be required to add the proposed Summerlin WOTUS-5 Diversion Facility as well as the WOTUS-5 connection to the downstream APM5 0059 Facility. The MPA shall be approved by the City and CCRFC prior to this facility being turned over to the City.
- Flood Control recommends that the complete *Plans and Project Specifications* be submitted to Land Development to begin the review and approval process by the City of Las Vegas. Provide a copy of the Geotechnical Report for the project. The Structural Plans and Details have been included as a part of the Civil Improvement Plan set. This project functions as a *Capital Improvement Project (CIP)* with developer funding.
- Structural plans for the proposed storm drain improvements and pertinent flood control facilities must be submitted to the Building Department for review. Provide an electronic submittal that includes a soils report, structural calculations and specifications, stamped structural sets, and a grading plan to the Building Department for processing. The engineer must provide a copy of Building Department approval of the structures to CCRFC before they will issue concurrence. Structural approval has been provided.

5. Verify and update quantity estimate of all drainage improvements within Public Drainage Easements. All proposed improvements associated with the project shall be bonded and inspected. This project, as a Future MPU facility, shall require that the inspection personnel be approved by the City. The project shall also require Special Inspection. Coordinate the requirements of and the Agreements needed for Special Inspection with the Building Department.
6. The project proposed to construct interim drainage facilities including drainage berms/ditches along the northwest corner of the **Summerlin West Master Plan Area**. 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.

This will be a *Future MPU Facility*. When this diversion facility is adopted as an **MPU Facility**, the subject maintenance bond may be released upon acceptance by the **City of Las Vegas**.

7. The following Note has been added to the Grading Plans: All offsite interim flood control facilities such as but not limited to berms/ditches are privately owned and to be privately maintained by the *Howard Hughes Company*.
8. The FTRS rain gauge location is shown on Sheet PP1. Continue to coordinate with CCRFCD.
9. Per CCRFCD requirements "As-Built Record Drawings shall be provided to the City and CCRFCD prior to release of the Bonded Improvements.

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.

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.

END OF REMARKS
PBJ/AYS

T/R/S: T20S/R59E/21
AREA K-21

REGIONAL FLOOD
CONTROL DISTRICT



Rec'd: 11/3/20

DS 05250

K-21

N/C

Steven C. Parrish, P.E.
General Manager/Chief
Engineer

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November 2, 2020

Mr. Oh Sang Kwon, P.E.
City of Las Vegas Department of Public Works
333 North Rancho Drive
Las Vegas, NV 89106

**DISTRICT CONCURRENCE: SUMMERLIN WOTUS-5 DIVERSION FACILITY
(DS5250B) (RFCD No. 20-13628)**

Dear Mr. Kwon:

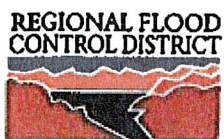
Clark County Regional Flood Control District (District) reviewed Technical Drainage Study dated February 13, 2020, Supplement No. 1 dated March 16, 2020, and Supplement No. 2 dated October 1, 2020 for above-mentioned project as submitted by GCW. In addition, District is in receipt of the Conditional Letter of Acceptance from City of Las Vegas Department of Public Works dated October 15, 2020.

District concurs with acceptance of this Technical Drainage Study by City of Las Vegas Department of Public Works with the following condition(s):

Note that per District's Policies and Procedures Manual, Section VIII.D.13 Uniform Regulations for the Control of Drainage, the Lead Entity shall provide As-Built plans or record drawings to the District after completion and final inspection of such privately installed flood control facilities that have a regional flood control significance.

District's review of this project was limited to issues of Regional Flood Control Significance as defined in *Uniform Regulations for the Control of Drainage*.

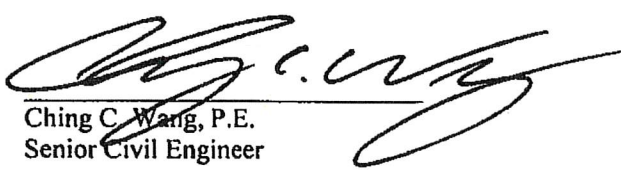
Please be aware that as additional information becomes available and/or restudies of Flood Insurance Studies are performed, information submitted by GCW may be superseded. Compliance with regulatory elements and design standards specified in *Uniform Regulations for the Control of Drainage* does not imply a guarantee that properties will be free from flooding or flood damage. The District, its officials, or employees assume no liability for information, data, or conclusions presented by consulting engineers. We, therefore, make no warranties, either expressed or implied, in conducting this review.



November 2, 2020
Mr. Oh Sang Kwon, P.E.
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STEVEN C. PARRISH, P.E.
General Manager/Chief Engineer

BY:


Ching C. Wang, P.E.
Senior Civil Engineer

CCW:jr

c: Steve Jones, GCW

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