



10/31/23

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: Village 27 Parcel M & E Drainage Improvements Date: October 2023

Location of Development: a) Descriptive (Cross Streets) North/South: Lake Mead Blvd
 East/West: _____

b) Section: 15, 21 Township: 20S Range: 59E

c) APN : 137-15-401-003; 137-21-501-003

Name of Owner: Owner: The Howard Hughes Company

Telephone No.: (702) 791-4201 Fax No.: 702-791-4385 E-Mail Address: April.Chapman@howardhughes.com

Address: 10801 W. Charleston Blvd., Las Vegas, Nevada, 89146

Contact Person-Name: Lee Gong, PhD, P.E, CFM Telephone No.: (702) 804-2000

* E-Mail Address: LGong@gcwengineering.com Fax No.: (702) 804-2299

Firm: GCW, Inc.

Address: 1555 South Rainbow Blvd, Las Vegas, Nevada 89146

Type of Land Development/Land Disturbance Process:

<input type="checkbox"/>	Rezoning	<input type="checkbox"/>	Subdivision Map	<input type="checkbox"/>	Clearing and Grading Only
<input type="checkbox"/>	Parcel Map	<input type="checkbox"/>	Planned Unit Development	<input checked="" type="checkbox"/>	Other (Please specify below)
<input type="checkbox"/>	Large Parcel Map	<input type="checkbox"/>	Building Permit	<input type="checkbox"/>	Flood Control Channel

1. Total Owned Land Area: At Site: +/- 453.16 ac Being Developed/Disturbed: +/- 4.65 ac

2. Is a portion or all of the subject property located in a designated FEMA Flood Hazard Area? Yes** No

3. Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? Yes** No

4. Proposed type of development (Residential, Commercial, Etc.): Flood Control Channel

5. Approximate upstream land area which drains to the subject site: +/- 4.8 square miles

6. Has the site drainage been evaluated in the past? YES NO If yes, please identify documentation: Village 31 & 27 (Reverence Tributary Area) Master Conceptual Drainage Study. (DS#5387)

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: Discharge to a debris basin others (Summlin West Village 27 Debris Basin)

8. Briefly describe your proposed schedule for the subject project: ASAP



10/31/23

Engineer's Seal

Submit this form as part of the required drainage study to the local entity which has jurisdiction over the subject property. This form may provide sufficient information to serve as the Conceptual Drainage Study.

***New Required Field**

****Review and concurrence of the Clark County Regional Flood Control District is required.**

Revision	Date

Local Entity File No. _____

REFERENCE:

STANDARD FORM 1

62052-3085

October 30, 2023

Albert Y. Sung, P.E.
City of Las Vegas, Public Works
495 South Main Street, Las Vegas NV, 89101

Re: Response to Clark County Regional Flood Control District (CCRFCD) comments on the Technical Drainage Study for Village 27 Parcel M & E Boundary Drainage Improvements

Dear Mr. Sung,

This letter is to certify that all documents provided on electronic submittal (CD) match the hardcopy version of the study.

Respectfully submitted,

Lee Gong, PhD, P.E., CFM
Flood Control Division



10/31/23





62052-3085

October 30, 2023

Re: Response to CCRFCD Comments for Summerlin Village 27 Parcel M & E Boundary Drainage Improvements (DS05586D) (RFCD No. 23-14450)

This report addresses the CCRFCD review comments dated October 19, 2023. Below are individual responses to each comment included in the review letter.

Comment 1:

There have been significant grading impacting the District's Flood Threat Recognition System (FTRS) Station ID 4209 along the channel project site. The District has concerns regarding the long-term viability of the FTRS Station. Per meeting with Summerlin and the City of Las Vegas, clearly delineate the location of the existing FTRS Station on the channel plans and proposed relocation to ensure adequate advanced flood warning will be maintained for Northwest Summerlin.

Response:

The location of the existing FTRS Station and the proposed relocation of the FTRS Station has been indicated on the channel plans to ensure adequate advanced flood warning will be maintained for Northwest Summerlin.

Comment 2:

The 2023 MPU is currently ongoing, and it is expected that the proposed alignment changes to the District's MPU Facility GOL3 0289 is intended to be incorporated by the City of Las Vegas. District recommends the City to provide approval conditions regarding the 2023 MPU with their next review.

Response:

Noted.

Comment 3:

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.

Response:

Noted.

If you have any questions or require additional information, please do not hesitate to contact me at 804-2127.

Respectfully,
GCW, INC.

Lee Gong, PhD, PE
Flood Control Division

APPENDIX



REGIONAL FLOOD CONTROL DISTRICT



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

BOARD OF DIRECTORS

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Mr. Oh Sang Kwon, P.E.
City of Las Vegas Department of Public Works
495 S Main Street, 5th Floor
Las Vegas, NV 89101

DISTRICT COMMENT(S): SUMMERLIN VILLAGE 27 PARCEL M & E BOUNDARY DRAINAGE IMPROVEMENTS (DS05586D) (RFCD No. 23-14450)

Dear Mr. Weber:

Clark County Regional Flood Control District (District) reviewed Technical Drainage Study dated June 28, 2022, Addendum No. 1 dated September 13, 2022, Addendum No. 2 dated October 19, 2022, Addendum No. 3 dated November 16, 2022, Supplement No. 1 dated November 7, 2022, for above-mentioned project as submitted by GCW, INC.. In addition, District is in receipt of the Conditional Letter of Acceptance from Clark County Department of Public Works dated December 6, 2022.

District has the following comment(s):

1. There have been significant grading impacting the District's Flood Threat Recognition System (FTRS) Station ID 4209 along the channel project site. The District has concerns regarding the long-term viability of the FTRS Station. Per meeting with Summerlin and the City of Las Vegas, clearly delineate the location of the existing FTRS Station on the channel plans and proposed relocation to ensure adequate advanced flood warning will be maintained for Northwest Summerlin.
2. The 2023 MPU is currently ongoing, and it is expected that the proposed alignment changes to the District's MPU Facility GOL3 0289 is intended to be incorporated by the City of Las Vegas. District recommends the City to provide approval conditions regarding the 2023 MPU with their next review.
3. 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*.

The consultant must be advised to submit any revisions to the Technical Drainage Study and Improvement Plans to Clark County Department of Public Works for review/re-approval. District review of any such revisions will commence upon acceptance by Clark County Department of Public Works.




Mr. Oh Sang Kwon, P.E
October 19, 2023
Page 2 of 2

Please be aware that as additional information becomes available and/or restudies of Flood Insurance Studies are performed, information submitted by GCW, INC. 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.

STEVEN C. PARRISH, P.E.
General Manager/Chief Engineer

BY: 
Ching Wang (Oct 19, 2023 14:41 PDT)
Ching C. Wang, P.E.
Principal Civil Engineer

CCW:dc

c: Lee Gong, Gcw, Inc.

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