

**SUPPLEMENT TO UPDATE TO THE
TECHNICAL DRAINAGE STUDY
FOR
SUMMERLIN VILLAGE 26 - REVERENCE
OFFSITE IMPROVEMENTS**

764-204-013

August 2017

Prepared for:

**Pulte Homes
7255 S. Tenaya Way
Las Vegas, Nevada 89113
Phone: (702) 914-4800
Fax: (702) 914-3100**

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL

DRAINAGE STUDY INFORMATION FORM

Name of Development: Summerlin Village 26 - Reverence Offsite Drainage Improvements (Supp.) Date: August 2017

Location of Development: a) Descriptive (Cross Streets) North/South: CC 215

East/West: Cheyenne Road

b) Section: 14 Township: 20 Range: 59E

c) APN : 137-14-601-002; 137-14-501-004; 137-14-601-003; 137-13-101-009

137-13-101-007; 137-13-101-008

Name of Owner: Pulte Homes

Telephone No.: (702) 914-4800 Fax No.: (702) 914-3100 E-Mail Address: _____

Address: 7255 S Tenaya Way Las Vegas, NV 89113

Contact Person-Name: Steve Jones, P.E. Telephone No.: (702)804-2000

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

Firm: GCW, Inc.

Address: 1555 S Rainbow Blvd. Las Vegas, NV 89146

Type of Land Development/Land Disturbance Process:

☐	Rezoning	☐	Subdivision Map	☐	Clearing and Grading Only
☐	Parcel Map	☒	Planned Unit Development	☐	Other (Please specify below)
☐	Large Parcel Map	☐	Building Permit	☐	

1. Total Owned Land Area: At Site: +/- 300 acres Being Developed/Disturbed: +/- 300 acres

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.): Residential

5. Approximate upstream land area which drains to the subject site: +/- 4 sq mi.

6. Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: Master Conceptual Drainage Study for Village 26 at Summerlin West (Technical Drainage Study for Model Homes, Access Road, and Rough Grading), GCW Inc.; Technical Drainage Study for Village 26 at Summerlin West Offsite Improvements, GCW Inc.; 2006 Summerlin West Planning Area Flood Control Master Plan Update, Master Drainage Study for Summerlin Village 26 Reverence

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: CCRFCD MPU Facilites GOL3 0128 (Village 26 Detention Basin) and GOL4 0000 (14'X8' RCB)

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



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

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Prepared by:

**GCW, Inc.
1555 S. Rainbow Blvd
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Phone: (702) 804-2000
Fax: (702) 804-2297**

764-204-013

August 17, 2017

Albert Sung, PE
Flood Control Project Engineer
City of Las Vegas Department of Public Works
333 N. Rancho Drive
Las Vegas, NV 89106

**Re: Supplement to Update to the Technical Drainage Study for
Summerlin Village 26 - Reverence Offsite Improvements (DS4772)**

Dear Mr. Sung:

The purpose of this letter is to serve as an update to the *Technical Drainage Study for Summerlin Village 26 – Reverence Offsite Improvements*. During construction, the following aspects of the 20-ft wide by 6-ft high RCB storm drain that discharges into the Village 26 detention basin were constructed differently than approved:

1. The RCB outfall into the stepped structure inflow to the detention basin was constructed enclosed, rather than open for maintenance purposes.
2. SDMH #3 is not constructed.

The below discussions are considered responses to these construction issues:

1. Due to maintenance concerns at the RCB outfall, the included Sacra Engineering details have been provided to show how the existing RCB top is to be modified to mimic the approved design. Therefore, maintenance access remains provided.
2. After evaluation of the manhole, it was intended primarily for access into the RCB for maintenance at the confluence of the 42-inch RCP at Station 49+94.73. However, upon inspection of the HGL, it is believed that major maintenance is likely to not occur at this lateral inflow because it represents only approximate 2% of the flow in the RCB (67 cfs of 3,468 cfs total). A channel access ramp is located about 225-ft upstream of this SDMH #3, and a vehicle has the ability to drive into the RCB for access which is considered an efficient point of access to maintain the lateral entering the RCB. Additionally, SDMH #13 in the lateral 42-inch RCP is approximately 11-ft upstream of the RCB and remains as a point of access that can be potentially used for maintenance of the lateral. Note that the RCB is less than 400-ft in length; therefore, removing the manhole is not considered adverse. Therefore, SDMH #3 is not necessary.

If you have any questions or require additional information, please contact us at 804-2000.

Cordially,
GCW, INC.

Steve Jones, P.E.
Flood Control Division Manager

SJ/vlr
Enclosures
cc: Wes Petty, GCW
Pulte Homes

