



**Technical Drainage Study
For
Egan Crest Estates II
(Supplement)

Clark County**

PREPARED FOR:

Egan Crest Estates II, llc
9749 Glistening Brook Ct
Las Vegas, Nevada 89149
(702) 334-1551

PREPARED BY:

Per4mance Engineering, LLC.
4525 W. Hacienda Avenue, Suite 1
Las Vegas, Nevada 89118
(702) 569-9770

Per4mance Project Number 23-0017

September 2023

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: Egan Crest Estates II Supplement Date: September 27 2023
 Location of Development: a) Descriptive (Cross Streets): North/South: Egan Crest Dr
East/West: La Mancha Ave
 b) Section: 25 Township: 19 S Range: 59 E
 c) APN: 126-25-801-012

Name of Owner: EGAN CREST ESTATES II, llc
 Telephone No.: 702-334-1551 Fax No.: n/a E-mail Address: chris@atrackout.com
 Address: 9749 Glistening Brook Ct Las Vegas NV 89149

Contact Person – Name: Ray Fredericksen, P.E. Telephone No.: 702-569-9770
 *E-mail Address: Rayf@per4mancelv.com Fax No.: _____
 Firm: Per4mance Engineering
 Address: 4525 W. Hacienda Ave., Ste 1 Las Vegas NV 89118

Type of Land Development/Land Disturbance Process:

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

1. Total Owned Land Area: At Site: +/- 2.14ac Being Developed/Disturbed: +/- 2.14ac

2. Is a portion or all of the subject property located in a 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: +/- 10 ac

6. Has the site drainage been evaluated in the past? Yes** No If yes, please identify documentation: _____

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: La Mancha & Ann Road

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



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.

*Newly Required Field
 **Review and concurrence of the Clark County Regional Flood Control District is required

Local Entity File No. _____	Revision	Date

REFERENCE: STANDARD FORM 1



September 27, 2023

W. Layne Weber, P.E., CFM
Principal Engineer
Clark County Public Works - Development Review
500 S. Grand Central Parkway
P.O. Box 554000
Las Vegas, NV 89155-4000

RE: Technical Drainage Study for Egan Crest Estates II –
Supplement 1
LOCATION: SWC of La Mancha Ave. & Egan Crest Drive
Application Tracking #: PW23-16762

CCPW – Development Review Comments:

I. Provide justification for excess fill.

Response:

The proposed site will be designed with casitas and/or RV garages that will require sewer discharge. The lots as currently designed will provide adequate fall at minimum slopes to discharge sewer via gravity from the casita and/or RV garage options which will be towards the rear of the lots. Therefore, the site as currently designed is the minimum design required to be able to this.

II. Provide a calculation for the wall opening at West DE (it's more than 5 cfs so you have to). Per standard Form 2 ; appropriate hydraulic calculations for block wall openings assuming 50% vertical clogging factor has to be assumed.

Response:

The block wall openings mentioned above have been removed from the plans. We want that easement open with no obstructions for water to flow through.

III. Address redlines on grading plans. Some of construction notes are in the wrong places and some are missing. Clean it up as much as you can.

Response:

Acknowledged. The construction notes have been corrected. Sorry about that.

We believe the responses to the above comments and the revisions on the plans have sufficiently addressed your concerns in the subject review memorandum. Please feel free to contact us at (702) 569-9770, if you have any questions or concerns.

Sincerely,
Per4mance Engineering, LLC.

Ray F. Fredericksen, P.E.
President

APPENDIX

Appendix A – CCPW Drainage Study Comment Memo

Appendix B – Revised Improvement Plans



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APPENDIX A
Clark County Comment Ltr

Ray Fredericksen

From: Ruth Villatoro <Ruth.Villatoro@ClarkCountyNV.gov>
Sent: Monday, September 25, 2023 2:41 PM
To: Ray Fredericksen
Subject: PW23-16762 - Egan Crest Estates II (with attached PDF)
Attachments: PW23-16762.pdf

Ray,

You will need to address a few things as a Supplement.

- I. Provide justification for excess fill.
- II. Provide a calculation for the wall opening at West DE (it's more than 5 cfs so you have to). Per standard Form 2 ; appropriate hydraulic calculations for block wall openings assuming 50% vertical clogging factor has to be assumed.
- III. Address redlines on grading plans. Some of construction notes are in the wrong places and some are missing. Clean it up as much as you can.

Let me know if you have any questions.

Ruth Villatoro
Assistant Engineer
Development Review
702-455-6383



APPENDIX B

Improvement Plans