

DS #: 4912

APN: 125-24-811-002

PROJECT: Costco Gasoline - Exp. @ Facility #737 - Update

SUBMITTAL: 2nd

SCANNED BY/DATE: \_\_\_\_\_

CHECKED BY/DATE: \_\_\_\_\_



<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>		<b>DATE:</b> February 26, 2018
<b>TO:</b> Land Development Services Department of Building & Safety		<b>FROM:</b> Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
<b>SUBJECT:</b> Drainage Study for: <b>Costco Gasoline – Expansion @ Facility #737 - Update</b>		<b>COPIES TO:</b> Barghausen Consulting Engineers
<b>Cross Streets:</b>	SWC of Decatur Boulevard & Rome Blvd.	Costco Wholesale
<b>File Number:</b>	F:\Depot\DSMemos\DS4912B.doc	Bart Anderson, P.E., DevCo
<b>Parcel Number:</b>	125-24-811-002	
<b>Zoning Action:</b>	SDR-64593	
<b>FEMA Flood Zone</b>	YES	NO <b>X</b>
<b>Proposed Storm Drain</b>	YES	NO <b>X</b>

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 <sup>st</sup> Submittal	8/21/2017	9/6/2017	Approved	\$400.00	489446: \$400
2 <sup>nd</sup> Submittal	2/26/2018	2/26/2018	See Comments Below	N/C	N/C
<b>TOTAL FEES (LDDRS):</b>				<b>\$400.00</b>	<b>----</b>

**REMARKS:**

**2<sup>nd</sup> Submittal: Update to revise storm drain connection in Rome with a new manhole**

Update for expansion to add three (3) new fuel dispenser islands at the gasoline facility

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

<b>X</b>	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.

**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**

ays

T/R/S: T19S/R60E/24

AREA G24



CIVIL ENGINEERING, LAND PLANNING, SURVEYING

Rec'd: 2/26/18

February 21, 2018  
HAND DELIVERY  
(702) 229-2001

DS 4912

G-24

N/C

Albert Sung, P.E.  
Flood Control Section  
City of Las Vegas  
Public Works Department  
333 North Rancho Drive  
Las Vegas, NV 89106

RE: **Technical Drainage Study Update for Costco Wholesale at Shadow Mountain Marketplace**  
Costco Gasoline – Expansion  
6555 North Decatur Boulevard, Las Vegas, Nevada 89131  
Costco Loc. No. 737 / Our Job No. 11550

Dear Albert:

This letter is written to update you on the Costco Gasoline project referenced above, which was approved under L17-00961 and DS4912. Because the existing conditions differ from those anticipated, we have been forced to modify the proposed drainage design. The Plan Revision includes shifting the location of the proposed concrete swale, some minor grade changes, and replacing the storm drain connection point in the right-of-way with a new manhole. Overall drainage patterns and discharge locations remain consistent with the approved drainage study update, and with the original drainage study.

This Plan Revision does not alter the proposed impervious and pervious areas, nor will this information require us to alter or upgrade the existing conveyance system.

Should you have any questions, feel free to contact me at (425) 656-1072 or mpalmer@barghausen.com. Thank you.

Respectfully,

Megan E.S. Palmer, P.E.  
Design Engineer

MESP/hd  
11550c.004.docx  
enc: As Noted  
cc: John Ellingsen, Ellingsen & Company  
Jay S. Grubb, Barghausen Consulting Engineers, Inc.  
Chris R. Jensen, Barghausen Consulting Engineers, Inc.

# HYDROLOGIC CRITERIA AND DRAINAGE MANUAL

## DRAINAGE STUDY INFORMATION FORM

Name of Development: COSTCO - SHADOW MOUNTAIN MARKETPLACE Date: 2/21/18

Location of Development: a) Descriptive (Cross Streets) North/South: N DECATUR BLVD  
 East/West: W ROME BLVD

b) Section: 25 Township: 19 S Range: 60 E

c) APN : 125-24-811-002

Name of Owner: Costco Wholesale

Telephone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Address: 999 Lake Drive Issaquah Washington 98027

Contact Person-Name: Megan Palmer Telephone No.: 425.656.1072

\* E-Mail Address: mpalmer@barghausen.com Fax No.: \_\_\_\_\_

Firm: Barghausen Consulting Engineers

Address: 18215 72nd Ave South Kent WA 98032

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"/>	Civil Review - Plan Revision

1. Total Owned Land Area: At Site: 13.9936 AC Being Developed/Disturbed: 0.68 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

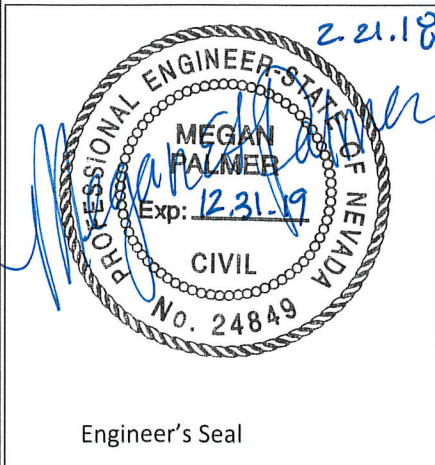
4. Proposed type of development (Residential, Commercial, Etc.): Commercial - Fuel Facility

5. Approximate upstream land area which drains to the subject site: 0 AC +/-

6. Has the site drainage been evaluated in the past?  YES  NO If yes, please identify documentation: DS4912  
Technical Drainage Study for Shadow Mountain Market Place

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: Storm drain in Canyon Pointe Roadway

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



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.**

_____ Local Entity File No.	Revision	Date

REFERENCE:

STANDARD FORM 1