

DS #:

5170

APN:

137-14-401-006 & 137-23-101-002

PROJECT:

Summerlin West V2a. Desert Foothills Drive Street
Improvements from Lake Mead Boulevard to Fleet
Wing Avenue (Street 6)

SUBMITTAL:

CCRFCD

SCANNED BY/DATE:

CHECKED BY/DATE:



CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		March 24, 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:	
	Summerlin West V22 – Desert Foothills Drive Street Improvements from Lake Mead Boulevard to Fleet Wing Avenue (Street G)	
Cross Streets:	Lake Mead Boulevard & Desert Foothill Drive	COPIES TO:
File Number:	F:\Depot\DSMemos\DS5170D.doc	Atkins
Parcel Number:	137-14-401-006 & 137-23-101-002	Howard Hughes Company, LLC
Zoning Action:	N/A	Bart Anderson, P.E., DevCo
FEMA Flood Zone	YES	NO X
Proposed Storm Drain	YES X	NO

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	8/5/2019	9/5/2019	Not Approved	\$400.00	3518204: \$400
2 nd Submittal	10/16/2019	11/7/2019	Not Approved	\$400.00	3612960: \$400
Supplement	11/14/2019	12/2/2019	Conditional Approval	N/C	N/C
CCRFGD	3/23/2020	3/24/2020	Concurrence Recv'd	N/C	N/C
			TOTAL FEES (LDDRS):	\$800.00	----

REMARKS:

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

	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.
X	is conditionally approved subject to the following conditions:

The engineer shall submit a supplement to address the two remaining requests below prior to the final approval of the subject drainage study:

- Second Request:** Drop inlets deeper than 10' require special structural design and structural calculations. Provide a soils report, structural calculations and specifications, two wet 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 Flood Control prior to final acceptance of the drainage study.
- Second Request: Sheet 20/33, Sheet 21/33 and all pertinent sheets:** SDMH #1 which ties the existing 66"-RCP in Lake Mead Boulevard and the proposed 54"-RCP in Desert Foothills Drive is noted to be constructed by the subject project. However, shouldn't it that SDMH #1 be already constructed by the "Summerlin West V22 – Lake Mead Boulevard (Desert Foothills Drive to Kettle Ridge Drive)" project which should go prior to the subject improvements?

The response was that the manhole SDMH #1 will be constructed and break into an existing 66"-RCP with the proposed subject improvements.

It appears that pipe to pipe (new to existing) connections will be required. Provide connection detail in the next submittal.

A supplemental **Sheet 33/38** was submitted on November 14, 2019, **Detail Section E/33** must include detail of reinforcement connection from the existing pipe to the new manhole wall. Structural calculations must be approved by *City Building Department* prior to the final approval of the drainage study.

The following conditions are repeated until they are complete:

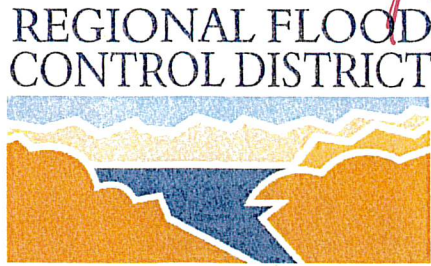
3. The subject street improvement of *Desert Foothills Drive* is premised on the existence of *Lake Mead Boulevard* and *Kettle Ridge Drive* on the north and west for flood cut-off protection. The subject drainage study will not be approved prior to the final approval of the technical drainage studies of "Summerlin West V22 – *Lake Mead Boulevard (Desert Foothills Drive to Kettle Ridge Drive)*" and "Summerlin West V22 – *Kettle Ridge Drive (Lake Mead Boulevard to Fleet Wing Avenue)*".
4. The project proposes to build temporary drainage facilities, ie, berms/swales along the west side of *Desert Foothills Drive* for interim flood protection. Prior to final plan approval the developer must complete a maintenance and liability agreement for the interim drainage improvements (berms or channels) 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 facility and an exhibit that adequately shows the location and limits of the drainage facility to *City of Las Vegas Flood Control* for approval. Once the drainage study is conditionally approved, the engineer should contact the *City's Land Development Section* (229-6371) to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update / letter will be required to justify that the offsite berms / channels are no longer necessary and can be removed.

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: T20S/R59E/14
AREA K-14



Rec'd : 3/23/20
DS 5170
K-14
N/C

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

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March 23, 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 WEST V22 - DESERT FOOTHILLS
DRIVE STREET IMPROVEMENTS FROM LAKE
MEAD BOULEVARD TO FLEET WING AVENUE
(STREET G)
(DS5170C) (RFCN No. 20-12455)**

Dear Mr. Kwon:

Clark County Regional Flood Control District (District) reviewed Technical Drainage Study dated August 5, 2019, Addendum No. 1 dated October 16, 2019, and Supplement No. 1 dated November 14, 2019 for above-mentioned project as submitted by ATKINS. In addition, District is in receipt of the Conditional Letter of Acceptance from City of Las Vegas Department of Public Works dated December 2, 2019.

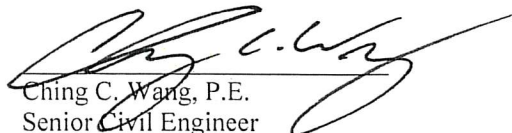
District concurs with acceptance of this Technical Drainage Study by City of Las Vegas Department of Public Works.

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

CCW:jb

c: Molly Anderson, P.E., Atkins

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600 S. Grand Central Parkway, Suite 300 • Las Vegas, Nevada 89106-4511
(702) 685-0000 • FAX: (702) 685-0001
Website: <http://www.regionalflood.org>

Albert Sung

From: Albert Sung
Sent: Wednesday, November 13, 2019 4:53 PM
To: Anderson, Molly
Subject: RE: Drainage study for Summerlin West V22 - Desert Foothills Drive Street Improvements from Lake Mead Boulevard to Fleet Wing Avenue (Street G)

Molly,

- 1) Yes, I can give you the conditional approval by allowing you to submit the plans to City Land Development to kick start their review process. Meanwhile, do not send the study to CCRFCD for their review without the structural approval.
- 2) Yes, go ahead submit the connection detail as a supplement.

I'll revise the review letter to conditional approval after I have the supplement.

Albert Y. Sung

Project Engineer
Public Works Dept. / Flood Control
(702) 229-6541
333 N. Rancho Dr. 7th Floor
Las Vegas, NV 89106



lasvegasnevada.gov



Your opinion is important! Click [here](#) to take a short survey.

From: Anderson, Molly <Molly.Anderson@atkinsglobal.com>
Sent: Wednesday, November 13, 2019 11:03 AM
To: Albert Sung <YSung@LasVegasNevada.GOV>
Cc: Anderson, Carl E <Carl.Anderson@atkinsglobal.com>; Barcos, Nicolas <Nicolas.Barcos@atkinsglobal.com>
Subject: FW: Drainage study for Summerlin West V22 - Desert Foothills Drive Street Improvements from Lake Mead Boulevard to Fleet Wing Avenue (Street G)

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Albert,

Regarding Comment #1, it is our understanding that you will be able to provide conditional approval for Atkins to submit our structural calculations before submitting for CCRFCD Concurrence. This is the same process we worked out on DS#5155 & 5156.

Regarding Comment #2, Atkins is proposing to construct a Type II Manhole on top of the existing 66" RCP in Lake Mead Boulevard. We will put together a connection detail, as requested, to show where we break (and remove) the existing 66" pipe and the proposed connections. Can you confirm that this detail can be submitted as a supplement in order to obtain Drainage Study Conditional Approval (and submit our structural calculations)?

If so, we will submit this supplement, the requested detail sheet supplement for Kestrel Creek Avenue, and the requested supplemental CD of the revised grading sheets for Lake Mead Boulevard this week.

Thank you,

Molly Anderson *PE*

Senior Engineer

Engineering, Design and Project Management

Tel: +1 702 551 0330

Atkins, member of the SNC-Lavalin Group

2270 Corporate Circle, Suite 200

Henderson, NV 89074

+1 702 263 7275

From: Jewlia Springer <JSPRINGER@LasVegasNevada.GOV>

Sent: Tuesday, November 12, 2019 10:39 AM

To: Bart Anderson <banderson@LasVegasNevada.GOV>; Anderson, Molly <Molly.Anderson@atkinsglobal.com>; Chris Anderson (<chris.anderson@howardhughes.com>) <chris.anderson@howardhughes.com>

Subject: Drainage study for Summerlin West V22 - Desert Foothills Drive Street Improvements from Lake Mead Boulevard to Fleet Wing Avenue (Street G)

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