

DS #: 4235

APN: 126-13-410-010 & MORE

(POD 209)
PROJECT: FRANKLIN PARK AT PROVIDENCE - UPDATE #1

SUBMITTAL: 3RD

SCANNED BY/DATE: _____

CHECKED BY/DATE: _____



CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: February 28, 2011
TO: Land Development Services Department of Public Works		FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT: Drainage Study for: Franklin Park at Providence (POD 209) – Update #1 (Update for different product)		COPIES TO: VTN Nevada, Inc.
Cross Streets:	NWC of Shaumber Road & Elkhorn Road	
File Number:	F:\Depot\DSMemos\DS4235C.doc	
Parcel Number:	126-13-410-010 & more	
Zoning Action:	TMP-23567; WVR-23568 & VAC-23569	
FEMA Flood Zone	YES	NO X
Proposed Storm Drain	YES	NO X
		Toll Brothers, Inc.
		Bart Anderson, P.E., DevCo

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Transaction #
1 st Submittal	9/13/2007	10/5/2007	Not Approved	\$400.00	Paid: \$400
2 nd Submittal	10/25/2007	11/6/2007	Approved	\$400.00	80828: \$400
3 rd Submittal	2/10/2011	2/24/2011	See Comments Below	\$100.00	162491: \$100
TOTAL FEES (LDDRS):				\$900.00	----

REMARKS:

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

X	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 Department of Development Services 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 Amendment 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

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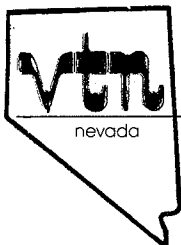
T/R/S: T19S/R59E/13
AREA F-13

Rec'd: 2/10/11

DS4235-1

F-13

\$100.



CONSULTING ENGINEERS • PLANNERS • SURVEYORS

**UPDATE #1 TO THE
TECHNICAL DRAINAGE STUDY
FOR**

**FRANKLIN PARK
AT PROVIDENCE
(POD 209)**

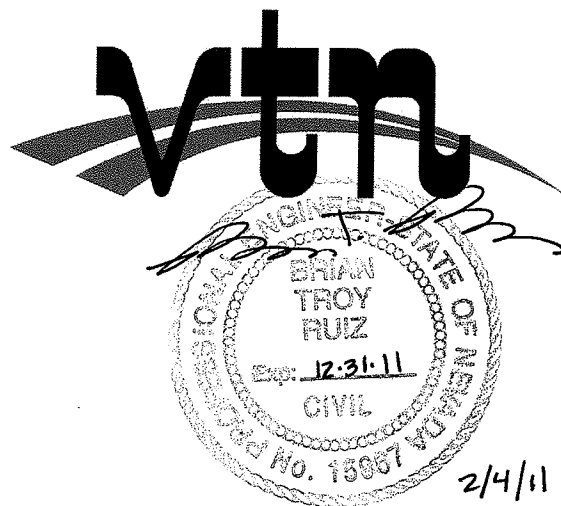
**CITY OF LAS VEGAS, NEVADA
W.O. # 7353**

PREPARED FOR:

**R.T.S. CONCRETE
4524 ORANGE HEIGHTS ST.
LAS VEGAS, NV 89129**

SUBMITTED TO:

**CITY OF LAS VEGAS, NEVADA
PUBLIC WORKS DEPARTMENT**



HYDROLOGIC CRITERIA AND DRAINAGE MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: Franklin Park at Providence (POD 209) Date: February 4, 2011

Location of Development: a) Descriptive (Cross Streets) North/South: Puli Road
East/West: Elkhorn Road

b) Section: 13 Township: 19S Range: 59E

c) APN : 126-13-401-018

Name of Owner: Toll North LV LLC (developer - Mr. Robert Schambs, R.T.S. Concrete)

Telephone No.: 702-335-0999 Fax No.: _____ E-Mail Address: rts.concrete@msn.com

Address: 4524 Orange Heights Street, Las Vegas, NV 89129

Contact Person-Name: Stanley Roberts, E.I. Telephone No.: 873-7550

* E-Mail Address: stanleyr@vtnnv.com Fax No.: 362-2597

Firm: VTN Nevada

Address: 2727 S. Rainbow Blvd. Las Vegas Nevada, 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: 33.2-acres Being Developed/Disturbed: 1+/- 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: 90 +/- acres

6. Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: TDS For Franklin Park at Providence (POD 209), Cliffs Edge Master Drainage Study

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: Shaumber Road storm drain

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.

***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



February 4, 2011
W.O. # 7353

City of Las Vegas
Department of Public Works
731 South Fourth Street
Las Vegas, Nevada 89101

Attention: Mr. Robert Welsh, P.E.
Flood Control Project Manager

**SUBJECT: UPDATE #1 TO THE TECHNICAL DRAINAGE STUDY FOR:
FRANKLIN PARK AT PROVIDENCE (POD 209)**

Mr. Welsh:

This Update #1 to the Technical Drainage Study for Franklin Park at Providence (POD 209) is being provided to address revisions to the approved grading plans. Approval of this update and the revised grading plans, will allow the contractor to complete the improvements for Phase 1 of this development, which will release this project's bond.

The approved grading plans for the site show an earthen swale that extends from the southwest corner of the site, approximately 180' northeasterly, to a riprap-lined pit located in Hammett Park Avenue at Ellington Park Street. The alignment of the swale was based on an older set of infrastructure plans for Puli Road. Those infrastructure plans showed a storm drain stub for the existing storm drain system in Puli Road at the southwest corner of the site. The final approved infrastructure plans for Puli Road showed that the storm drain stub had been relocated approximately 105-feet north of the previous location, which corresponded with the alignment of Hammett Park Avenue.

The approved plans also show a 42-inch RCP that extends east from the riprap-lined pit to the existing storm drain system in Shaumber Road. To date, the 42-inch RCP Hammett Park Avenue has been constructed to a point approximately 70' east of the riprap pit shown on the current approved grading plans.

Based on the existing location of the storm drain stub in Puli Road and the current location of the existing 42-inch RCP in Hammett Park Avenue, this update proposes to re-align and reshape the earthen swale between the RCP's, and relocate the riprap-lined pit (the pit would be moved about 70' east in Hammett Park Avenue). A normal depth calculation for the swale has been provided in the Appendix. The calculation shows that the anticipated velocities within the swale are non-erosive (less than 5-fps).

A headwater depth calculation for the riprap-lined pit at the east end of the earthen swale has also been included in the Appendix. The headwater calculation shows that the existing 42" RCP will have a maximum headwater depth of about 4.3-feet. Based on the headwater calculation, the capacity of the pit will not be exceeded. Please note that the riprap size and specification was left the same as the original plan.

A copy of the approved grading plans for the site and a copy of the revised plans showing the proposed revisions have been included in the Appendix.

If there are any questions or any additional information is required, please contact this office.

Respectfully Submitted,

VTN Nevada

A handwritten signature in cursive script, appearing to read "Stanley Roberts".

Stanley Roberts, E.I.

APPENDIX

FIGURES