

CITY OF ALBUQUERQUE



October 13, 2014

Thomas D. Johnston, PS, P.E.
TGC Engineering Inc.
330 Louisiana Blvd NE
Albuquerque, New Mexico 87108

**RE: La Mirada Townhomes
Grading and Drainage Plan
Engineers Stamp Date 8/2/13 (G19-D038A)
Certification Date 8/18/14**

Dear Mr. Johnston,

Based upon the information provided in your submittal received 10/8/2014, the above referenced Certification for La Mirada Townhomes is acceptable for Release of Financial Guarantee and building permit.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

PO Box 1293

Albuquerque

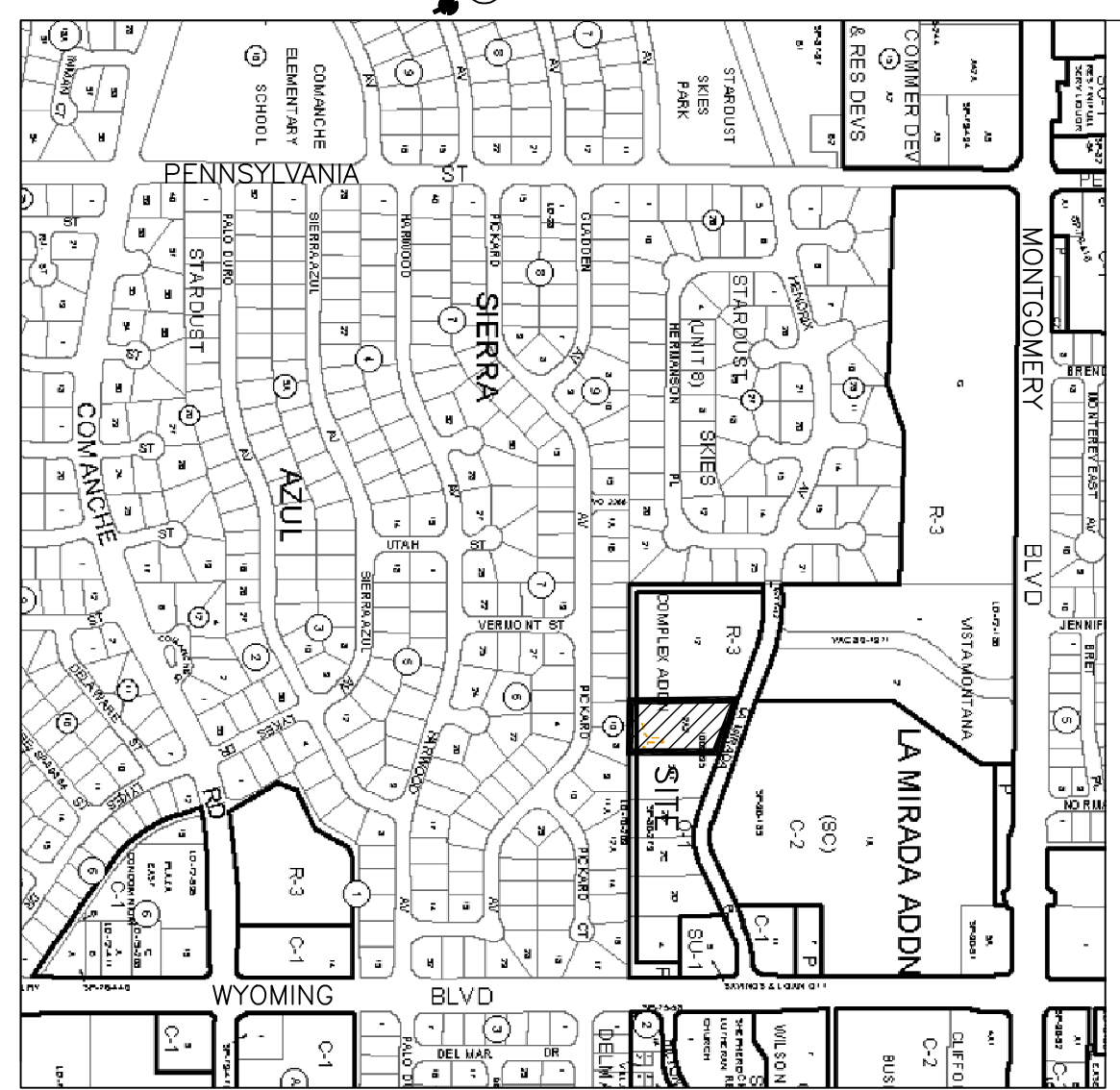
New Mexico 87103

www.cabq.gov

Sincerely,

Curtis Cherne, P.E.
Principal Engineer, Planning Department
Development and Review Services

RR/CC
C: File

[illegible]

DRAINAGE DATA										
THIS SITE LIES WITHIN PRECIPITATION ZONE 3										
Runoff	Precip.	Area	Treatment	Return	Condition	Table A-6	Table A-6	Volume	Rate	
(cu. ft.)	(in.)	(sq. ft.)	Type	Time (Years)			(cu. ft.)	(cu. ft.)	(cfs)	
EXISTING	100	A	0	0.66	0.00	0.00	0.00	0.00	0.00	
		B	37,386	0.92	1.26	2,666.3	2.23	1,765.3	3.2	
		C	12,460	1.29	3.45	1,339.5	0.89	8,683.1	5.2	
		D	2.36	5.02	0.00	0.00	0.00	0.00	0.00	
		E	0.00	0.19	0.58	0.00	0.00	0.00	0.00	
EXISTING	10	A	37,386	0.36	1.18	1,121.6	1.92	643.8	1.02	
		B	12,460	0.62	2.00	643.8	0.57	280.0	0.25	
		C	0	1.5	3.36	0.00	0.00	0.00	0.00	
		D	0	0.66	2.80	0.00	0.00	0.00	0.00	
		E	3,933	0.92	1.67	715.5	0.56	429.0	0.40	
DEVELOPED	100	A	0	1.28	0.00	0.00	0.00	0.00	0.00	
		B	40,13	0.19	0.56	7,907.6	0.80	6,000.0	1.00	
		C	9,333	0.18	0.52	1,15	280.0	0.00	0.25	
		D	0	0.62	2.00	0.00	0.00	0.00	0.00	
		E	40,513	1.5	3.36	5,064.1	3.15	4,205.7	3.2	
TOTAL (EXT)		100					4,205.7		1,765.3	3.2
TOTAL (DEV)		10					8,683.1		8,683.1	5.2
		10					5,344.1		5,344.1	3.4

DRAINAGE CONCEPT:

THE DRAINAGE CONCEPT FOR THIS SITE IS TO FREE DISCHARGE THE EXCESS RUNOFF FROM IMPERVIOUS SURFACES VIA CONCRETE SIDEWALK CULVERTS TO LA MIRADA DRIVE NE. AN EXISTING 48" STORM DRAIN IN LA MIRADA CARRIES RUNOFF TO A DISCHARGE POINT INTO A CONCRETE-LINED CHANNEL ON THE WEST SIDE OF PENNSYLVANIA ST. NE, APPROXIMATELY 1/3 MILE WEST OF SITE.

OFFSITE FLOW INFORMATION

there is discernible evidence of off-site flows entering this site from the east. The off-site flows have not been identified on this plan and thus cannot be quantified. A secondary flow of 100 gpm has been identified on the east side of the site, flowing by a sidewalk drain into a stormwater collection line and then to a stormwater treatment tank. This flow is not quantified. A secondary flow of 100 gpm has been identified on the east side of the site, flowing by a sidewalk drain into a stormwater collection line and then to a stormwater treatment tank. This flow is not quantified. A secondary flow of 100 gpm has been identified on the east side of the site, flowing by a sidewalk drain into a stormwater collection line and then to a stormwater treatment tank. This flow is not quantified.

DRAINAGE NOTES:

- ROOF DRAINAGE IS CONVEYED TO PRIVATE DRIVE OR TO REAR YARDS AS DELINEATED AND AS SHOWN ON LOT DETAIL.
- ALL ELEVATIONS GIVEN ARE TO TOP OF PROPOSED GRADE OR FINISH SURFACES.

KEYED NOTES

- 1 REMAIN WALL CONSTRUCTED UNDER SEPARATE BUILDING PERMIT.
- 2 NEW PRIVATE DRAINWAY ENTRANCE PER COA STD. DWG. 2426
- 3 CONSTRUCT NEW CURB RAMPS AT EACH SIDE OF NEW PRIVATE DRAINWAY PER COA STD. DWG. 2441 CASE II
- 4 INSTALL 12" SIDEWALK CULVERT WITH STEEL PLATE TOP PER COA STD. DWG. 2238
- 5 CONSTRUCT REAR YARD CONCRETE DRAIN CHANNEL AS DETAILD ON THIS SHEET
- 6 CONSTRUCT SINGLE TYPE "C" DROP INLET PER COA STD. DWG 2205

SURVEYOR'S CERTIFICATION

THOMAS D. JOHNSTON, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 17158,
DO HEREBY CERTIFY THAT I INSPECTED THIS SITE ON JUNE 29, 2013, AND THAT AS OF
THAT DATE, THERE HAD BEEN NO RECENT ALTERATION OF GRADE OR EVIDENCE OF GRADING
OPERATIONS ON THIS SITE.

THOMAS D. JOHNSTON, NMPE NO. 17158

TEC ENGINEERING, INC.
330 LOUISIANA BLVD. NE
266-7256 FAX 255-2887

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MILL. LA MIRADA TOWNHOMES GRADING AND DRAINAGE PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr. Mo./Day/Yr.	
- FOR INFORMATION ONLY - _____		Last Design Update	
City Project No.	719882	Zone Map	C-19 Sheet 3 of 8

BENCH MARK	AS-BUILT INFORMATION
BENCH MARK IS ACS STA. "13_F19" ACS	NO CONTRACTOR WORK STAKED BY DATE
Aluminum disk epoxied to top of conc.drop inlet,	INSPECTOR'S ACCEPTANCE BY: DATE
NNW quadrant of Wyoming Blvd.& Montgomery Blvd., NE	FIELD VERIFICATION BY: DATE
ELEV. 5434.324 (NAVD 88)	DRAWINGS CORRECTED BY: DATE
X=1,550,358.414 Y=1,505,484.694 NM CENTRAL ZONE	
TBM: NE Bonnet bolt of fire hydrant on N. side of	MICRO-FILM INFORMATION
La Mirada Pl., NE, approx. 154' East of NE corner of	RECORDED BY: DATE
site. ELEV. 5407.29	RECORDED BY: DATE
	RECORDED BY: DATE