

CITY OF ALBUQUERQUE



June 2, 2015

David Soule, P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

Re: Toyota Temporary Parking Lot, Grading and Drainage Plan
Certification dated –no date–
Engineer's Stamp Date 4-13-15 (C18D083)

Dear Mr. Soule,

Based upon the information provided in your submittal received 4-28-15, the above referenced plan is acceptable for Site Plan for Building Permit and Building Permit approval for the Toyota project across the street.

This certification was not dated, the approved plan date in the certification language is incorrect (5-16-13 vs. 4-13-15) and the status of the Work Order was not provided as stated in the approval letter dated 4-21-15. The City does not wish to hold up progress on the Toyota site across the street due to administrative errors and the project manager explained the progress of the Work Order on 6-2-15 to the City's satisfaction.

Therefore, after the drainage work in the City ROW and the site work that was not completed are complete; submit an engineer's certification on the plan dated 4-13-15. Acceptance of the certification is required prior to obtaining Certificate of Occupancy on the Toyota building across the street.

If you have any questions, you can contact me at 924-3420.

Sincerely,

Curtis Cherne, P.E.
Principal Engineer, Stormwater Quality
For Hydrology
Planning Dept.

C: e-mail



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: _____ Building Permit #: _____ City Drainage #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Owner: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Architect: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Contractor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF SUBMITTAL:

- _____ DRAINAGE REPORT
- _____ DRAINAGE PLAN 1st SUBMITTAL
- _____ DRAINAGE PLAN RESUBMITTAL
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ EROSION & SEDIMENT CONTROL PLAN (ESC)
- _____ ENGINEER'S CERT (HYDROLOGY)
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ ENGINEER'S CERT (TCL)
- _____ ENGINEER'S CERT (DRB SITE PLAN)
- _____ ENGINEER'S CERT (ESC)
- _____ SO-19
- _____ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- _____ SIA/FINANCIAL GUARANTEE RELEASE
- _____ PRELIMINARY PLAT APPROVAL
- _____ S. DEV. PLAN FOR SUB'D APPROVAL
- _____ S. DEV. FOR BLDG. PERMIT APPROVAL
- _____ SECTOR PLAN APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY (PERM)
- _____ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- _____ FOUNDATION PERMIT APPROVAL
- _____ BUILDING PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ WORK ORDER APPROVAL
- _____ GRADING CERTIFICATION
- _____ SO-19 APPROVAL
- _____ ESC PERMIT APPROVAL
- _____ ESC CERT. ACCEPTANCE
- _____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED: _____ Yes _____ No _____ Copy Provided

DATE SUBMITTED: _____ By: _____

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
4. **Erosion and Sediment Control Plan:** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

inlets to be constructed with work order, not yet approved

Weighted E Method
AMERICAN TOYOTA TEMPORARY YARD

Basin	Area sq-ft	Area (acres)	Treatment				100-Year, 6-hr		10-day	
			Treatment A	Treatment B	Treatment C	Treatment D	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
BASIN A1	193022	4.431	0%	12.0%	0.532	50.0%	2.21559	38%	1.884	0.810
ALLOWED IN HAAMPD	193022	4.431	0%	34.0%	1.507	16.0%	0.70889	50%	2.216	1.699
UPLAND	425336	9.718	0%	34.0%	3.304	16.0%	1.55485	50%	4.659	1.699

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 3)

Ea= 0.66
Eb= 0.92
Ec= 1.29
Ed= 2.36

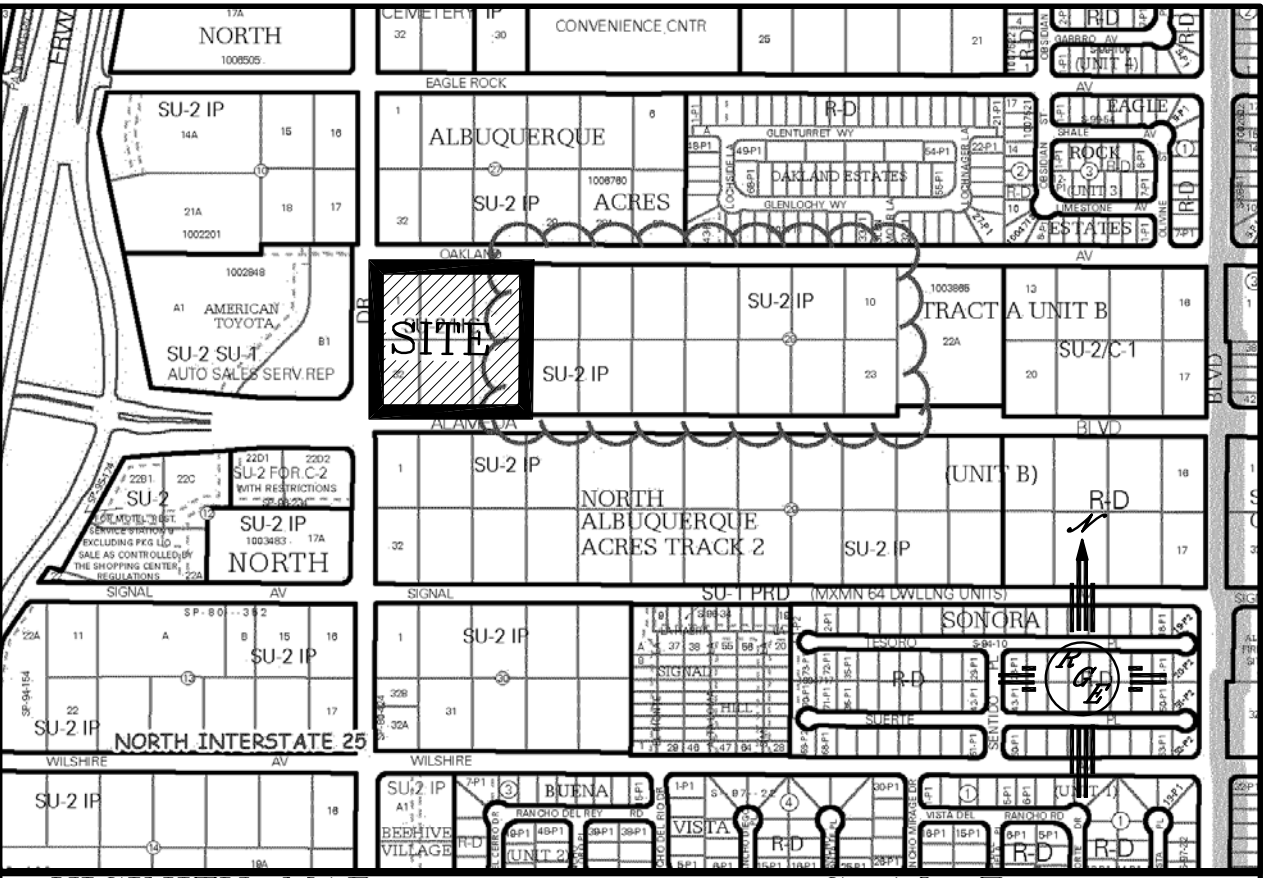
Qa= 1.87
Qb= 2.6
Qc= 3.45
Qd= 5.02

FIRST FLUSH= 1781.317 CF

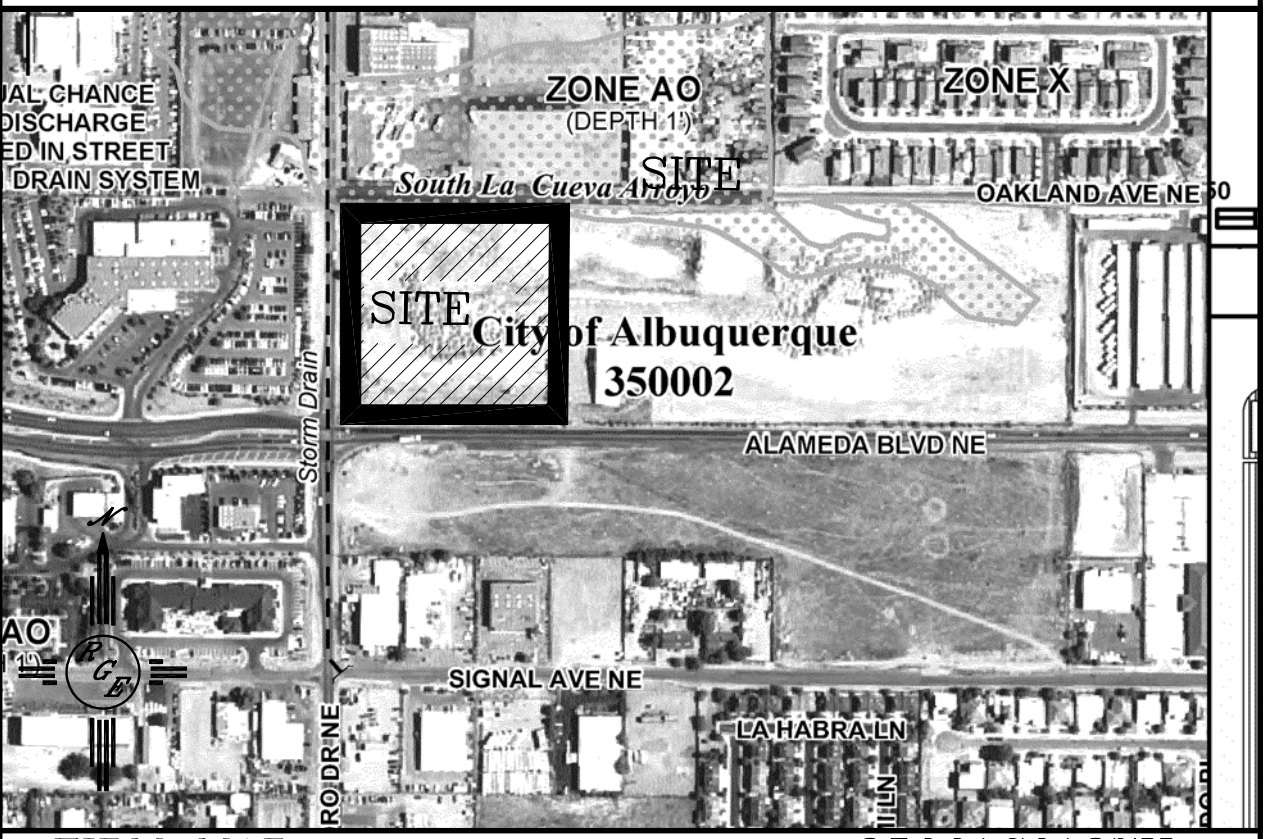
DRAINAGE NARRATIVE

Site is a temporary use. The site is located bays 117.2 and 117.3. The upland flow of 38.35 cfs will enter the site and drain to the swale along oakland. The flow will be captured by a double D in. The onite flow will be captured by a single D inlet connected to the wye stubbed into the property. The land treatment of millings was approximated by assigning 50% and 50%.

The First flush volume of 2078 has been provided onsite



VICINITY MAP: C-18-Z



FIRM MAP: 35001C0137H

LEGAL DESCRIPTION:

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.
3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. ALL STORM DRAIN AND INLETS SHALL BE CONSTRUCTED UNDER THE CITY OF ALBUQUERQUE PUBLIC WORK ORDER PROCESS.

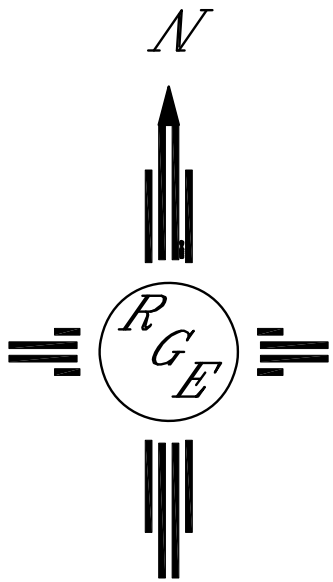
LEGEND

- 5414--- EXISTING CONTOUR
- 5415--- EXISTING INDEX CONTOUR
- 5414--- PROPOSED CONTOUR
- 5415--- PROPOSED INDEX CONTOUR
- ▲ SLOPE TIE
- × 4048.25 EXISTING SPOT ELEVATION
- × 4048.25 PROPOSED SPOT ELEVATION
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- PROPOSED SIDEWALK
- PROPOSED SETBACK
- PROPOSED LOT LINE
- PROPOSED SCREEN WALL
- PROPOSED RETAINING WALL
- LIMITS OF FLOODPLAIN
- 1" THICK ASPHALT APRON

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 5/16/13. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by GARY GRITSKO NMPLS 8686. The certification is submitted in support of a request for RELEASE OF BUILDING PERMIT FOR AMERICAN TOYOTA. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

WITH THE FOLLOWING EXCEPTIONS

1. RIP RAP AND APRONS AT PONDS WILL BE CONSTRUCTED WITH INLETS TO ALLOW FOR SMOOTH TRANSITION.
2. INLETS CAN NOT BE CONSTRUCTED UNTIL WORK ORDER IS APPROVED
3. ASPHALT CURB NOT CONSTRUCTED UNTIL INLETS THAT COLLECT THE WATER ARE CONSTRUCTED. THE CONCENTRATION OF FLOW AND CHANGE OF DIRECTION NOT RECOMMENDED UNTIL COLLECTION INLET IS BUILT.



GRAPHIC SCALE

SCALE: 1"=40'

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.