

# CITY OF ALBUQUERQUE



June 27, 2017

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

RE: **Navarette Residence**  
**10516 Olympic NW**  
**Grading Plan**  
**Engineer's Stamp Date 6/14/17 (File: A12D028)**

Dear Mr. Soule:

Based on the information provided in your submittal received 6/21/17, the Grading Plan cannot be approved for Building Permit until the following are addressed:

1. Section Views. Provide section cuts of several areas across this site:
  - a. The southwest corner, between the SW corner of the house, to the adjoining lot to the south.
  - b. In the back yard, through the two retaining to the property to the east.
  - c. The northwest corner, between the NW corner of the garage to the adjoining property to the north.
  - d. In the northeast corner, through the lowest floor at 5157.00 and the ponding area.

Ensure these section views show that the flowline is not set against any retaining walls or walls of the house and ensure below-grade finished floors have waterproofed retaining walls.

2. Contours. Extend the topographic data around all of the lot lines, not just on the west side of the lot. Also label contours for existing and increase label density of the proposed contours.

If you have any questions, please contact me at 924-3695 or [dpeterson@cabq.gov](mailto:dpeterson@cabq.gov).

Sincerely,

Dana Peterson, P.E.  
Senior Engineer, Planning Dept.  
Development Review Services

Orig: Drainage file



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

**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:** \_\_\_\_\_

**Other Contact:** \_\_\_\_\_ **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

Check all that Apply:

**DEPARTMENT:**

- HYDROLOGY/ DRAINAGE
- TRAFFIC/ TRANSPORTATION
- MS4/ EROSION & SEDIMENT CONTROL

**CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**

- BUILDING PERMIT APPROVAL
- CERTIFICATE OF OCCUPANCY
- PRELIMINARY PLAT APPROVAL
- SITE PLAN FOR SUB'D APPROVAL
- SITE PLAN FOR BLDG. PERMIT APPROVAL
- FINAL PLAT APPROVAL
- SIA/ RELEASE OF FINANCIAL GUARANTEE
- FOUNDATION PERMIT APPROVAL
- GRADING PERMIT APPROVAL
- SO-19 APPROVAL
- PAVING PERMIT APPROVAL
- GRADING/ PAD CERTIFICATION
- WORK ORDER APPROVAL
- CLOMR/LOMR

**TYPE OF SUBMITTAL:**

- ENGINEER/ ARCHITECT CERTIFICATION
- CONCEPTUAL G & D PLAN
- GRADING PLAN
- DRAINAGE MASTER PLAN
- DRAINAGE REPORT
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL)
- TRAFFIC IMPACT STUDY (TIS)
- EROSION & SEDIMENT CONTROL PLAN (ESC)
- OTHER (SPECIFY) \_\_\_\_\_

- PRE-DESIGN MEETING
- OTHER (SPECIFY) \_\_\_\_\_

IS THIS A RESUBMITTAL?:  Yes  No

DATE SUBMITTED: \_\_\_\_\_ By: \_\_\_\_\_

COA STAFF: \_\_\_\_\_ ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

olympic

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				Weighted	100-Year, 6-hr.		
			A	B	C	D		Volume (ac-ft)	Flow cfs	
EXISTING	14438.00	0.331	0%	0%	0%	0%	0.007	0.818	0.023	0.79
PROPOSED	14438.00	0.331	0%	31%	27%	41%	0.136	1.283	0.035	1.06
total										

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 1

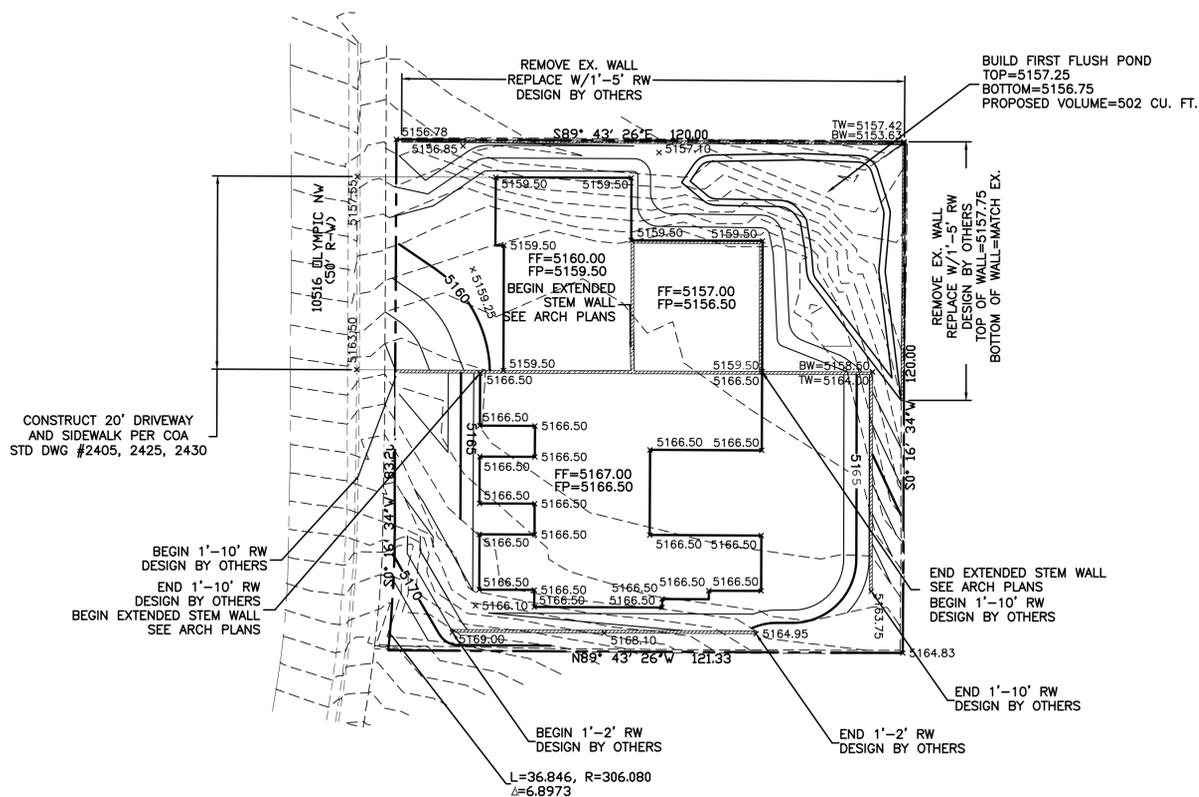
Ea= 0.44	Qa= 1.29
Eb= 0.67	Qb= 2.03
Ec= 0.99	Qc= 2.87
Ed= 1.97	Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY	VOLUME REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY	168	502

Narrative

This site is an infill lot within a fully developed subdivision. The existing lots all free discharge. Due to existing graded slopes, the existing lot d to the rear. The plan will direct the flow to the adjacent roadway. The developed site will pond in excess of the water harvest volume generated by the site. Upland flows do not effect the site.

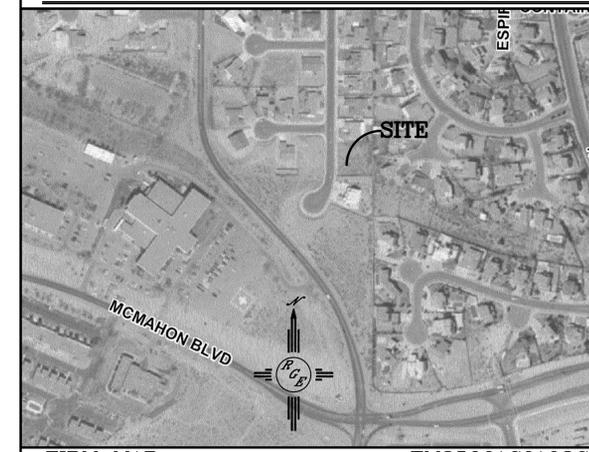


CAUTION:

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.

EROSION CONTROL NOTES:

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



LEGAL DESCRIPTION:

LOT 11 BLK 12, PARADISE HEIGHTS UNIT 1

NOTES:

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SLOPE OF DRIVEWAY HAS BEEN AUTHORIZED BY OWNER
- UPLAND FLOW DOES NOT IMPACT PROPERTY

LEGEND

- - - - -	EXISTING CONTOUR
- - - - -	EXISTING INDEX CONTOUR
- - - - -	PROPOSED CONTOUR
- - - - -	PROPOSED INDEX CONTOUR
- - - - -	SLOPE TIE
+ . . . .	EXISTING SPOT ELEVATION
+ . . . .	PROPOSED SPOT ELEVATION
- - - - -	BOUNDARY
- - - - -	CENTERLINE
- - - - -	RIGHT-OF-WAY
=====	EXISTING CURB AND GUTTER
-----	PROPOSED CMU SCREEN WALL 0'-3" MAX RETAINAGE (DESIGN BY OTHERS)



	NAVARETTE RESIDENCE 10516 OLYMPIC	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 6-13-17
6/14/17		21741-LAYOUT-5-29-17
DAVID SOULE P.E. #14522		SHEET # —
	1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	JOB # 21741