

CITY OF ALBUQUERQUE



July 24, 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 7/20/17 (File: A12D028)

Dear Mr. Soule:

Based on the information provided in your submittal received 7/21/17, the Grading Plan is approved for Building Permit.

PO Box 1293

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Albuquerque

Sincerely,

New Mexico 87103

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

www.cabq.gov

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

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) _____

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
- ☐ PRE-DESIGN MEETING
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

July 20, 2017

Mr. Dana Peterson, PE
Senior Engineer
Hydrology Section
City of Albuquerque

**RE: 10516 Olympic
Drainage file A12C028**

Dear Mr. Peterson:

The purpose of this letter is to respond to your emailed comments dated July 14, 2017. The plans have been modified to address your comments. The following is a recitation of your comments with a summary as to how the plans were modified to address your comments:

1. No adjustments (placing fill against or remove/replace) may be made to the existing wall without written owner permission. Instead a retaining wall will need to be set back from the property line and cannot constrain the adjacent homes' use (see section 22.5 on grading near the property line)

We have relocated the proposed wall so the existing wall is maintained.

2. Historic flow pattern is through the NE corner of the lot, not to the ROW. For maintaining historic flow patterns to adjacent lots, the adjacent lots should see no increase...therefore any increase must be ponded and retained.

We have modified the pond such that in increase in flow is retained and the historical patter remains.

3. Guttering roof drainage to the front yard and to the ROW is an option to reduce flow to the NE corner. I looked at the front yard grades, this may be difficult to get into the ROW.

We have added gutters as a note.

Should you have any questions regarding this matter, please do not hesitate to call me.

Sincerely,

David Soule, PE

Ms. Janet Stephens
June 6, 2000
Page 2

Weighted E Method										
olympic										
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted (ac-ft)	Volume (ac-ft)	Flow cfs	
EXISTING	14438.00	0.331	0%	0	60%	0.199	38%	0.126	2%	0.007
PROPOSED	14438.00	0.331	0%	0	31%	0.103	27%	0.0895	41%	0.136
total								1.283		0.035

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

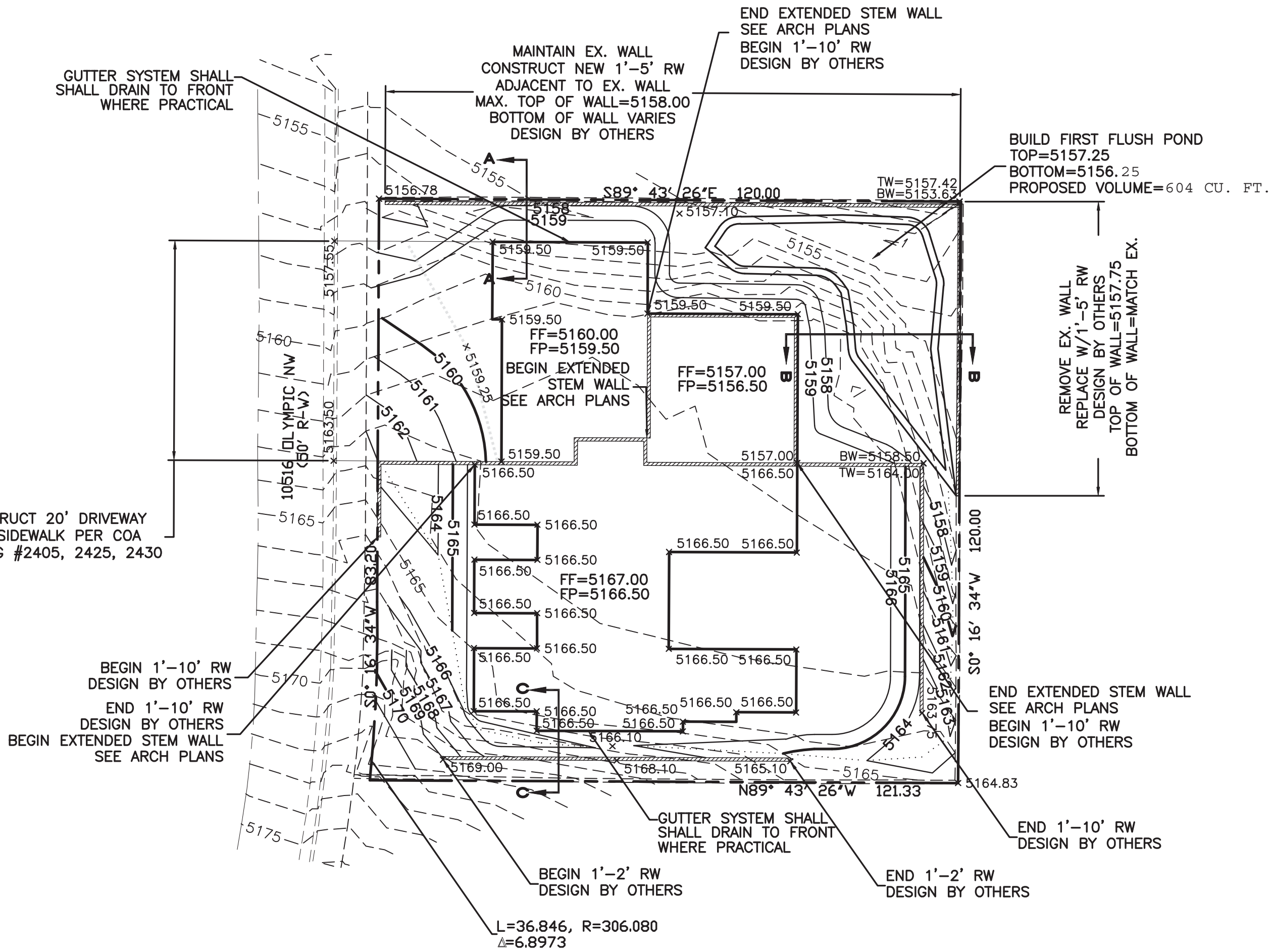
Ea= 0.44
Eb= 0.67
Ec= 0.99
Ed= 1.97

Qa= 1.29
Qb= 2.03
Qc= 2.87
Qd= 4.37

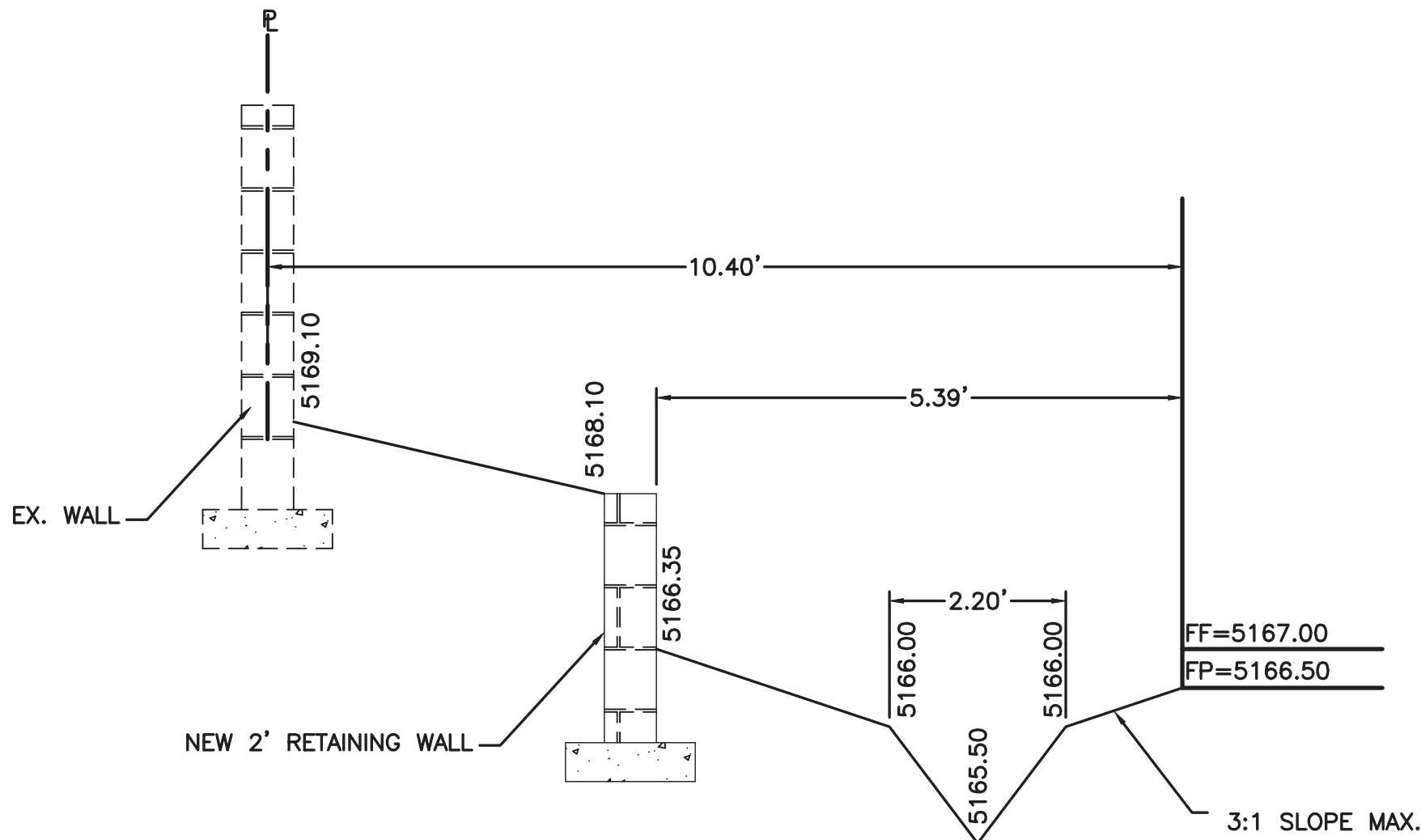
ONSITE Conditions	FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF)	PROVIDED (CF)
WATER QUALITY TO MATCH HISTORICAL	168	602
	560	602

Narrative

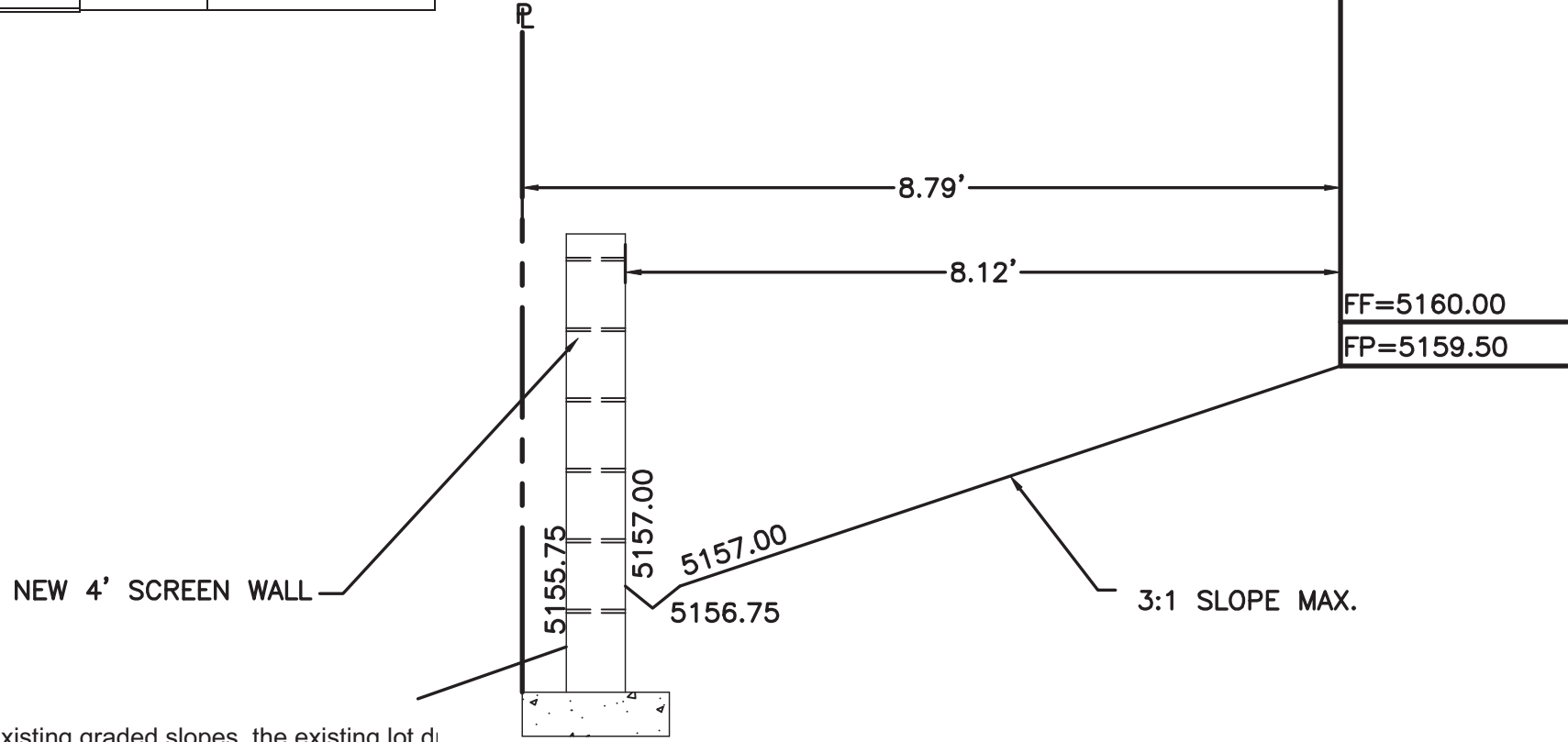
This site is an infill lot within an fully developed subdivision. The existing lots all free discharge. Due to existing graded slopes, the existing lot di to the rear. The plan will direct as much of the roof flow as possible to the adjacent roadway. The developed site will pond in excess of the wal by the site, and allow historical to continue to drain to the rear. Upland flows do not effect the site.



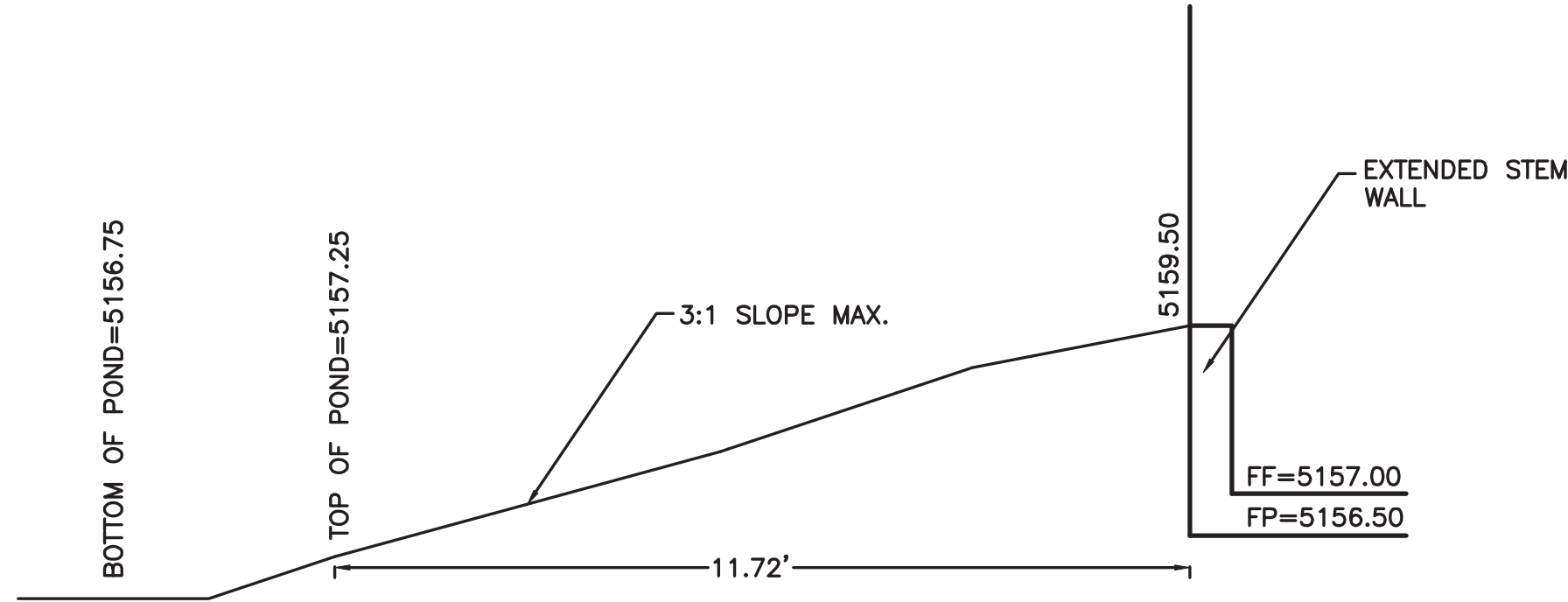
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



SECTION C-C
NTS



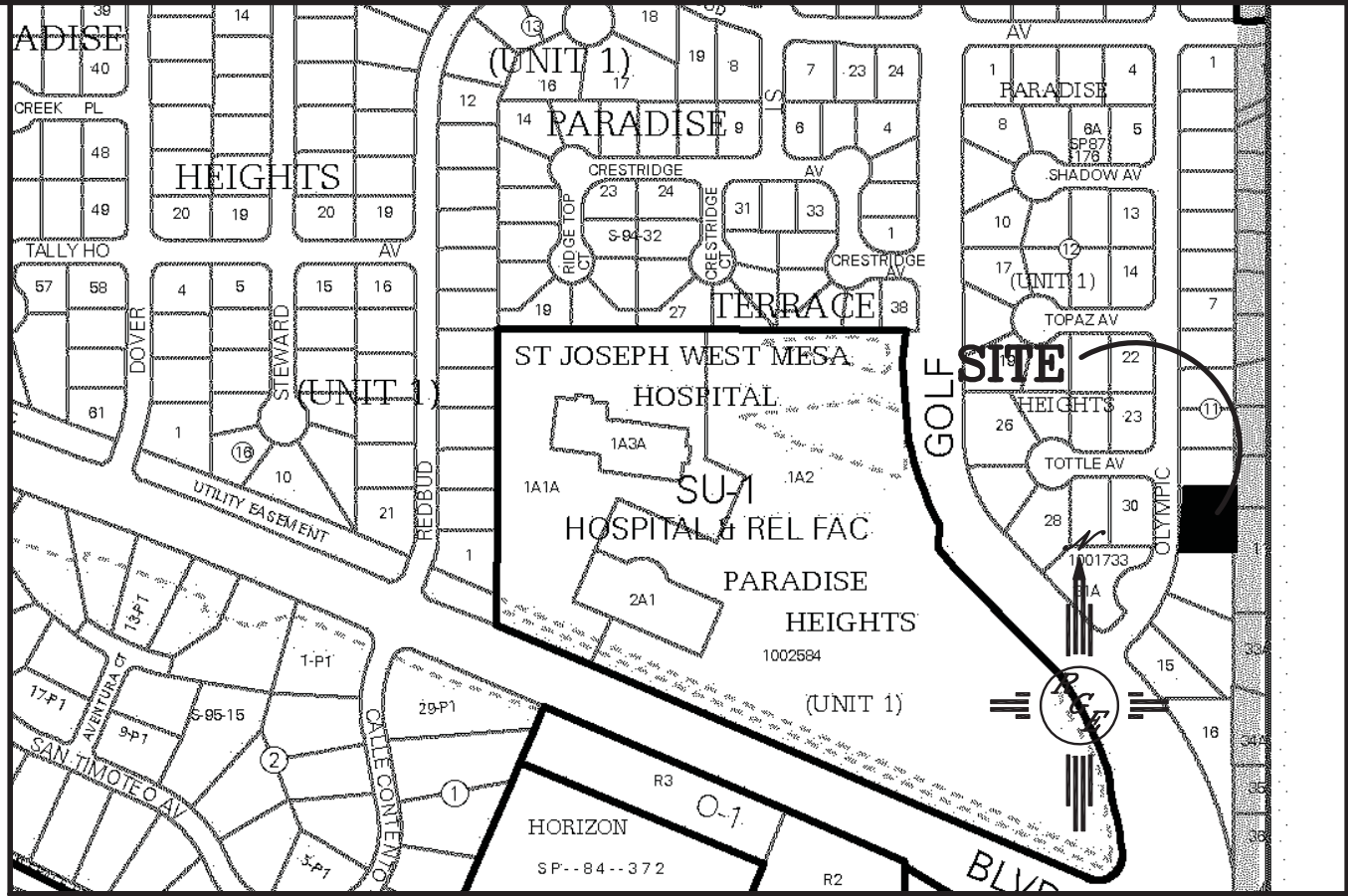
SECTION A-A
NTS



SECTION B-B
NTS

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.



FIRM MAP: FM35001C0108G

LEGAL DESCRIPTION:

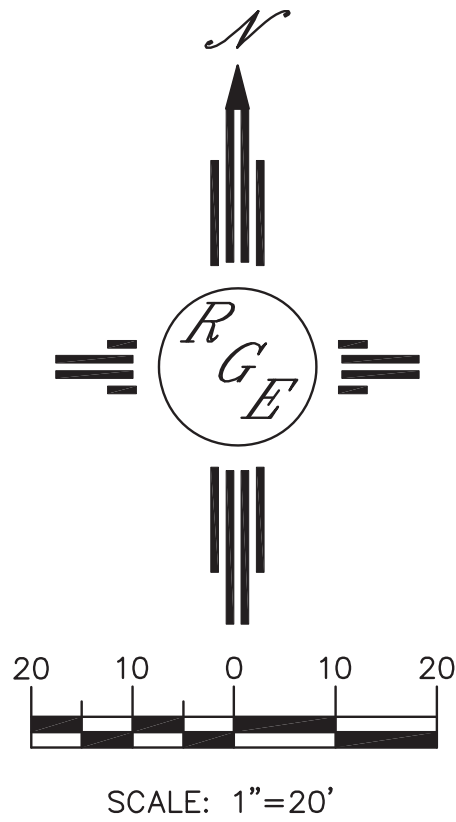
LOT 11 BLK 12, PARADISE HEIGHTS UNIT 1


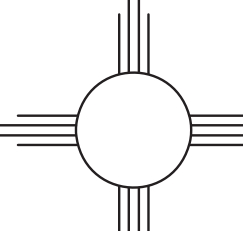
NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

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)



ENGINEER'S SEAL  7/20/17 DAVID SOULE P.E. #14522	NAVARETTE RESIDENCE 10516 OLYMPIC	DRAWN BY WCWJ DATE 7-20-17 21741-LAYOUT-5-29-17
	GRADING AND DRAINAGE PLAN	SHEET #
	 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	JOB # 21741