CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director

Mayor Timothy M. Keller

May 1, 2019

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

RE: 13612 Sunset Canyon NE
Request for Pad Certification – Accepted
Engineer's Stamp Date: 10/31/18
Engineer's Certification Date: 04/24/19
Hydrology File: F23D014

Dear Mr. Soule:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your Certification received on 04/29/19 and site photos sent on 05/01/19, the above referenced Certification is acceptable for Building Pad Certification for 13612 Sunset Canyon NE.

As a reminder, prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 13612 SUNSET CANYON Building Permit #: _____ Hydrology File #: _____

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

Legal Description: LOT 60 BLOCK 15 GLENWOOD HILLS UNIT 3

City Address: 13612 SUNSET CANYON NE

Applicant: LAS VENTANAS HOMES Contact: _____

Address: _____

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

Other Contact: RIO GRANDE ENGINEERING Contact: DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: david@riograndeengineering.com

TYPE OF DEVELOPMENT: ___ PLAT X ___ RESIDENCE ___ DRB SITE ___ ADMIN SITE

Check all that Apply:

DEPARTMENT:

X HYDROLOGY/ DRAINAGE

___ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

___ ENGINEER/ARCHITECT CERTIFICATION

___ PAD CERTIFICATION

X CONCEPTUAL G & D PLAN

___ GRADING PLAN

___ DRAINAGE REPORT

___ DRAINAGE MASTER PLAN

___ FLOODPLAIN DEVELOPMENT PERMIT APPLIC

___ ELEVATION CERTIFICATE

___ CLOMR/LOMR

___ TRAFFIC CIRCULATION LAYOUT (TCL)

___ TRAFFIC IMPACT STUDY (TIS)

___ STREET LIGHT LAYOUT

___ OTHER (SPECIFY) _____

___ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: X Yes ___ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

X 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

___ FLOODPLAIN DEVELOPMENT PERMIT

___ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ By: _____

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

Weighted E Method

Existing Developed Basins

											100-Year, 6-hr.			10-day
Basin	Area (sf)	Area (acres)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
UPLAND	8624	0.198	0%	0	40.0%	0.079	50.0%	0.09899	10%	0.020	1.006	0.017	0.54	0.019
EXISTING	22024	0.506	10%	0.05056	40.0%	0.202	40.0%	0.20224	0%	0.000	1.096	0.046	1.46	0.046
PROPOSED	22024	0.506	0%	0	30.0%	0.152	24.0%	0.12134	36%	0.182	1.625	0.068	1.85	0.093

Equations:

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

Volume = Weighted D * Total Area

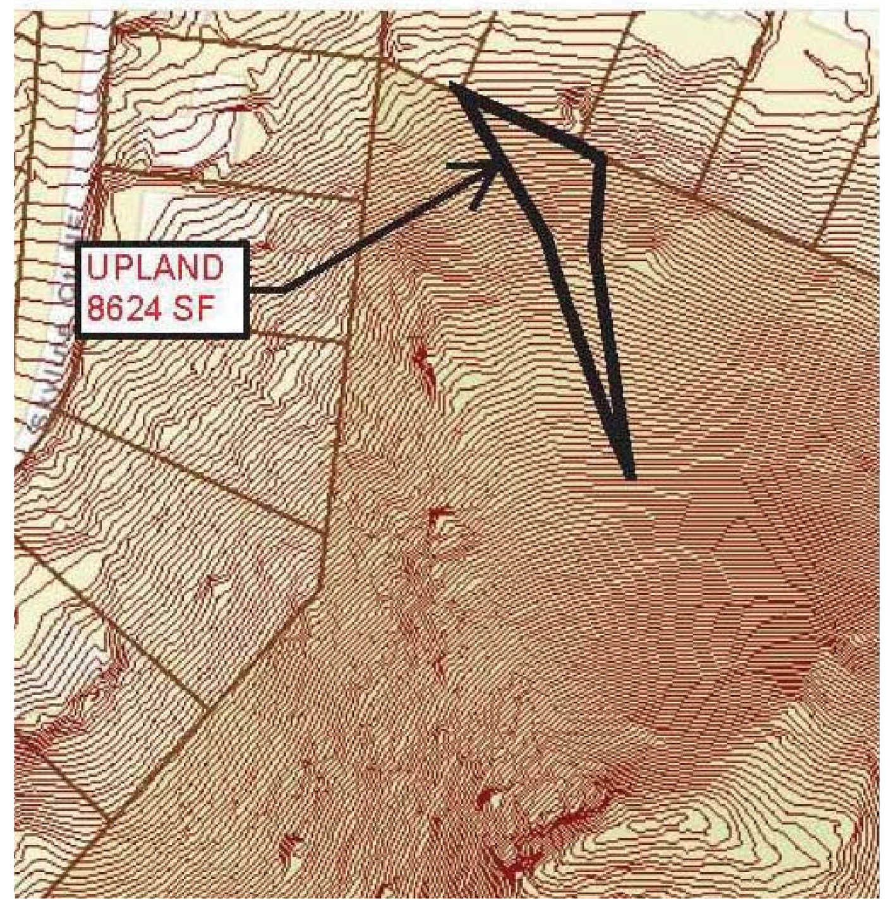
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 4)

Ea= 0.8	Qa= 2.2
Eb= 1.08	Qb= 2.92
Ec= 1.46	Qc= 3.73
Ed= 2.64	Qd= 5.25

DRAINAGE NARRATIVE

THIS SITE IS A LOT WITHIN A FULLY DEVELOPED RESIDENTIAL SUBDIVISION. THE SITE IS ADJACENT TO FULLY DEVELOPED ROADWAYS. THE SITE HAS A SMALL UPLAND UNDEVELOPED WATER SHED THAT ENTERS AS SHEET FLWO. THE DENSITY OF THIS DEVELOPMENT IS SIMILAR TO THE SURROUNDING FULLY DEVELOPED CONDITIONS. THE SITE WILL FREE DISCHARGE. THIS SITE IS NOT REQUIRED TO RETAIN THE FIRST FLUSH, YET A SMALL DESILATION POND HAS BEEN ADDED ADJACENT TO THE ROAI



I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 10/31/18

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

4/24/19

EROSION CONTROL NOTES:

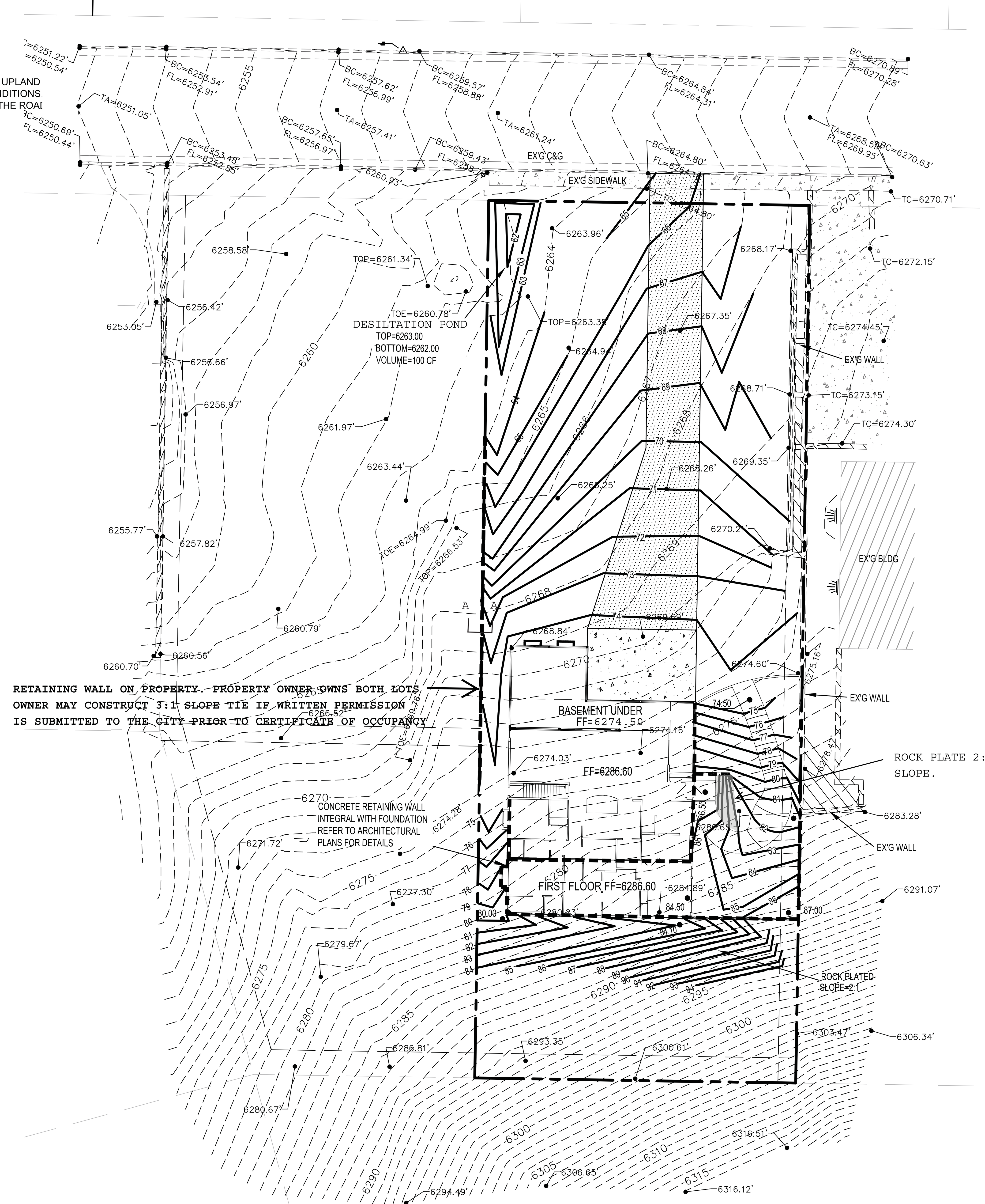
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

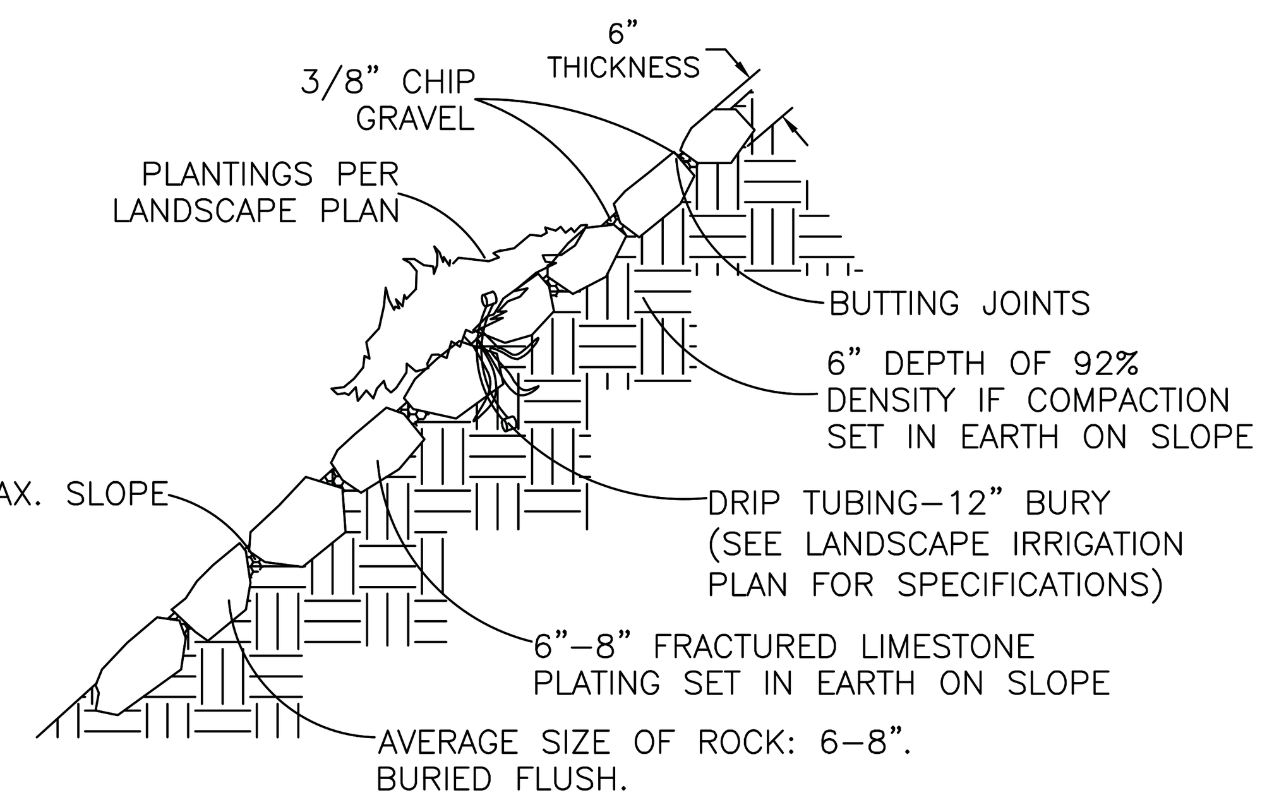
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.

3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.

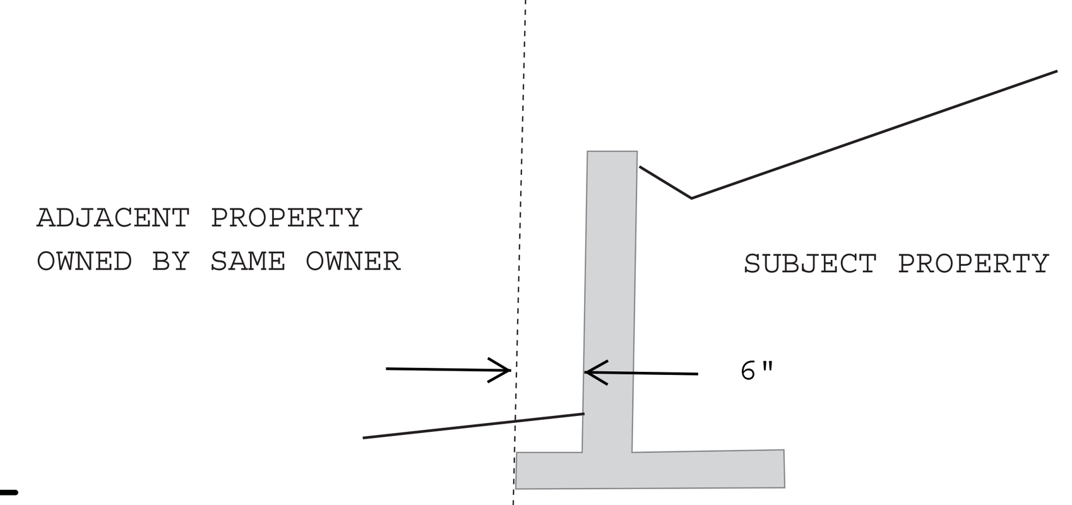
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.





NTS ROCK PLATING DETAIL



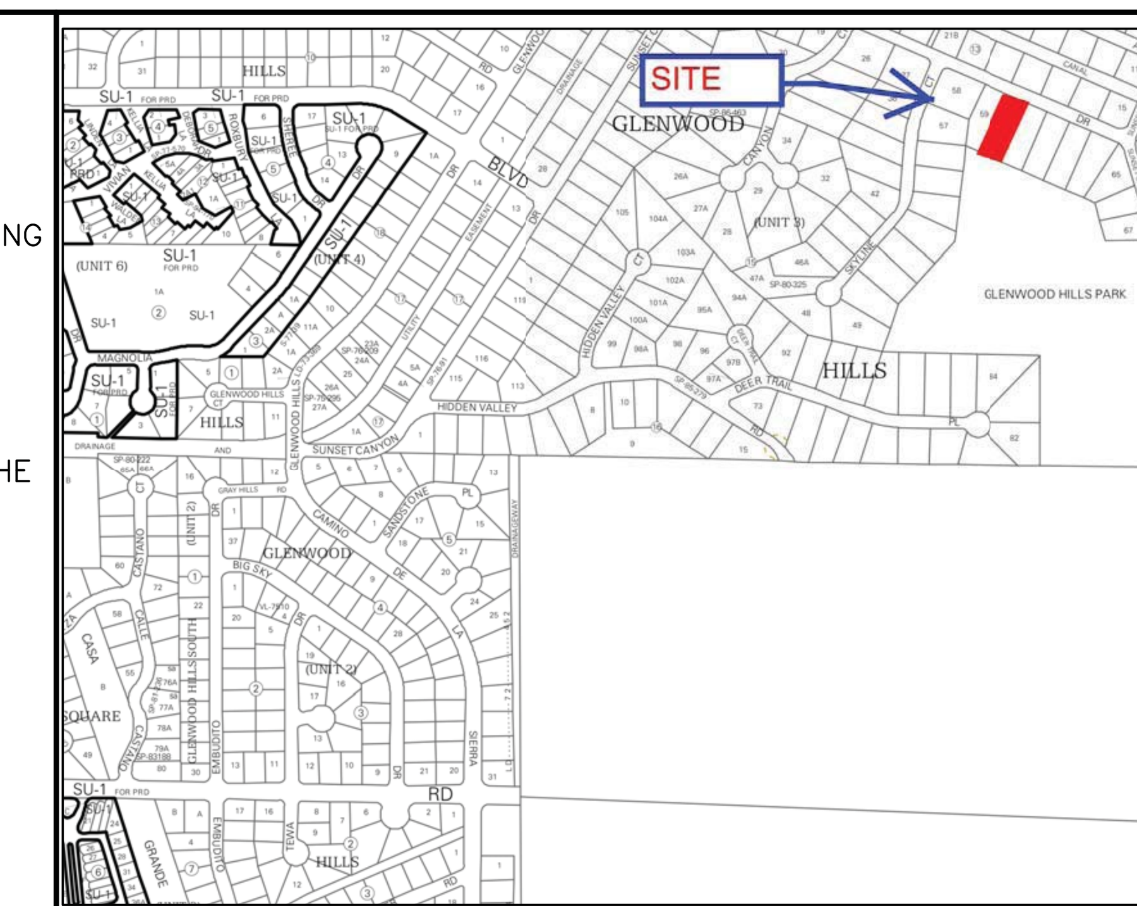
WALL SECTION A-A

NTS

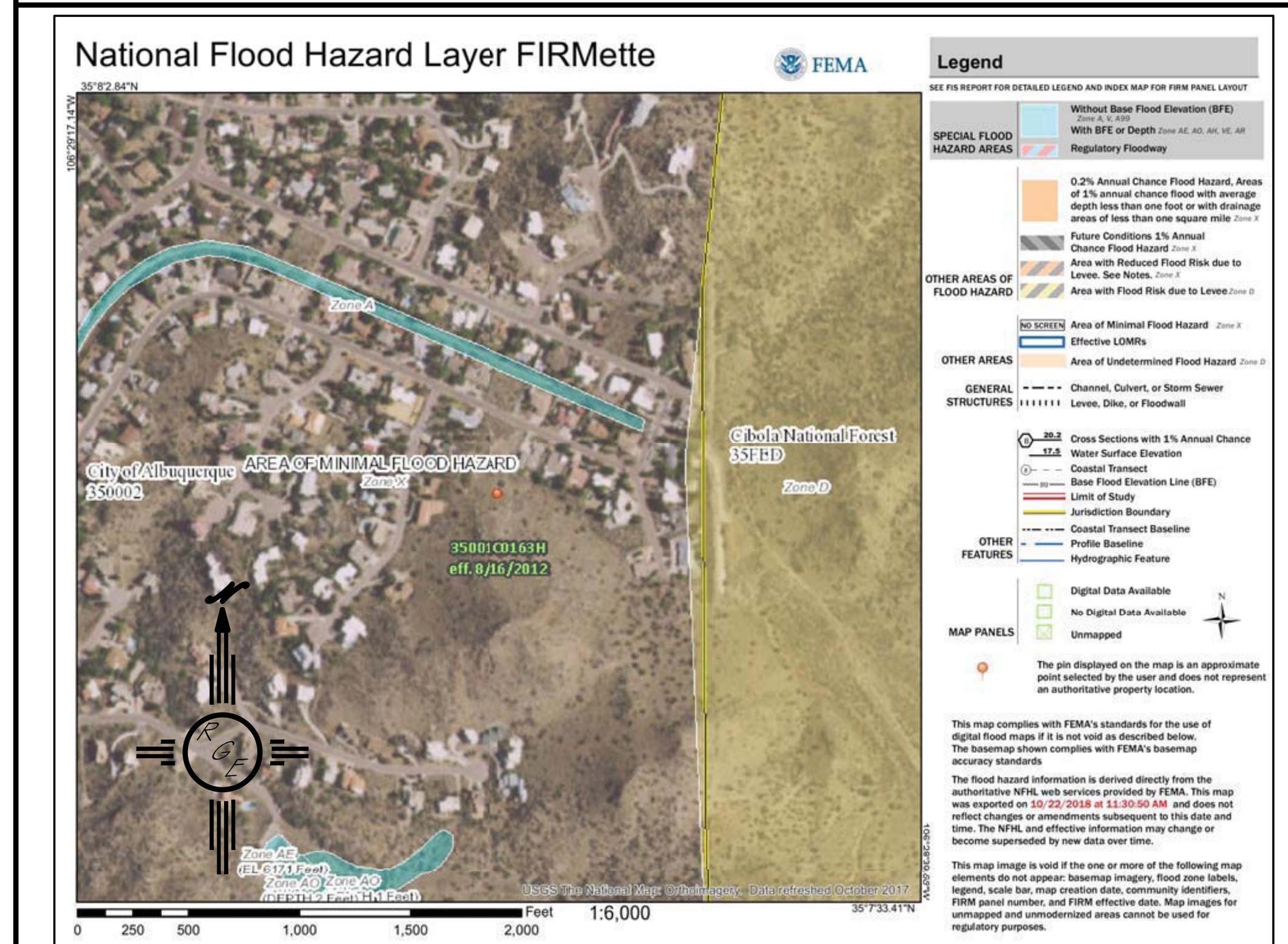
NOTE: WALL AND FOOTING SHALL NOT ENCROACH ON ADJACENT PROPERTY UNLESS WRITTEN PERMISSION IS PROVIDED FOR THE CITY DRAINAGE FILE PRIOR TO CONSTRUCTION

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.



VICINITY MAP: G-23-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 60, BLOCK 15 GLENWOOD HILLS UNIT 3
BERNALILLO COUNTY, NEW MEXICO

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

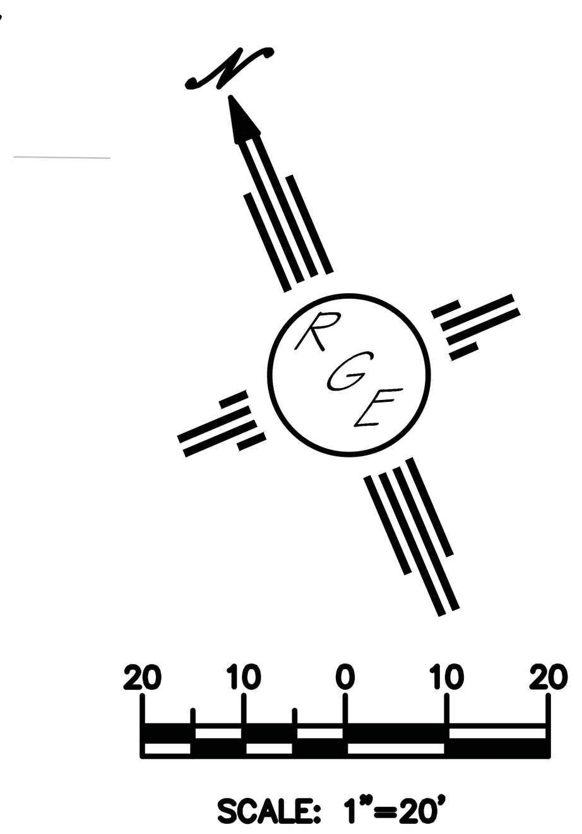
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.

3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.

4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.

LEGEND

Symbol	Description
— — — XXXX — — —	EXISTING CONTOUR
— — — XXXX — — —	EXISTING INDEX CONTOUR
—— XXXX ——	PROPOSED CONTOUR
—— XXXX ——	PROPOSED INDEX CONTOUR
× XXXX	EXISTING SPOT ELEVATION
● XXXX	PROPOSED SPOT ELEVATION
- - - - -	BOUNDARY
—— — — ——	PROPOSED EARTHEN SWALE
— — — —	ADJACENT BOUNDARY
≡≡≡≡≡≡	EXISTING CURB AND GUTTER
■■■■■■	PROPOSED RETAINING WALL



ENGINEER'S SEAL	LOT 60, BLOCK 15 GLENWOOD HILLS UNIT 3	DRAWN BY DEM
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 10-26-18
10/31/18	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	BYRD G&D PLAN.DWG
DAVID SOULE P.E. #14522		SHEET # C1
		JOB #