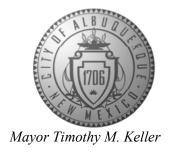
CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



August 27, 2020

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

RE: 13408 Fruit Ave. NE

Grading and Drainage Plan Engineer's Stamp Date: 08/10/20

Hydrology File: F11D021

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/10/20, the Grading and

Drainage Plan is approved for Building Permit.

Once the grading is complete, a pad certification will be required prior to release of Building Permit. Please attach a copy of this approved plan in the construction sets for Building Permit

processing along with a copy of this letter and the pad certification approval letter.

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,

Albuquerque

NM 87103

www.cabq.gov

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

Renée C. Brissette

Planning Department

Weighted E Method

Existing Developed Basins

											100-Year, 6-hr.			10-day
Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
NATIVE	8633	0.198	100%	0.19819	0.0%	0.000	0.0%	0	0%	0.000	0.800	0.013	0.44	0.013
propose	8633	0.198	0%	0	26.0%	0.052	36.0%	0.07135	39%	0.077	1.836	0.030	0.82	0.041

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

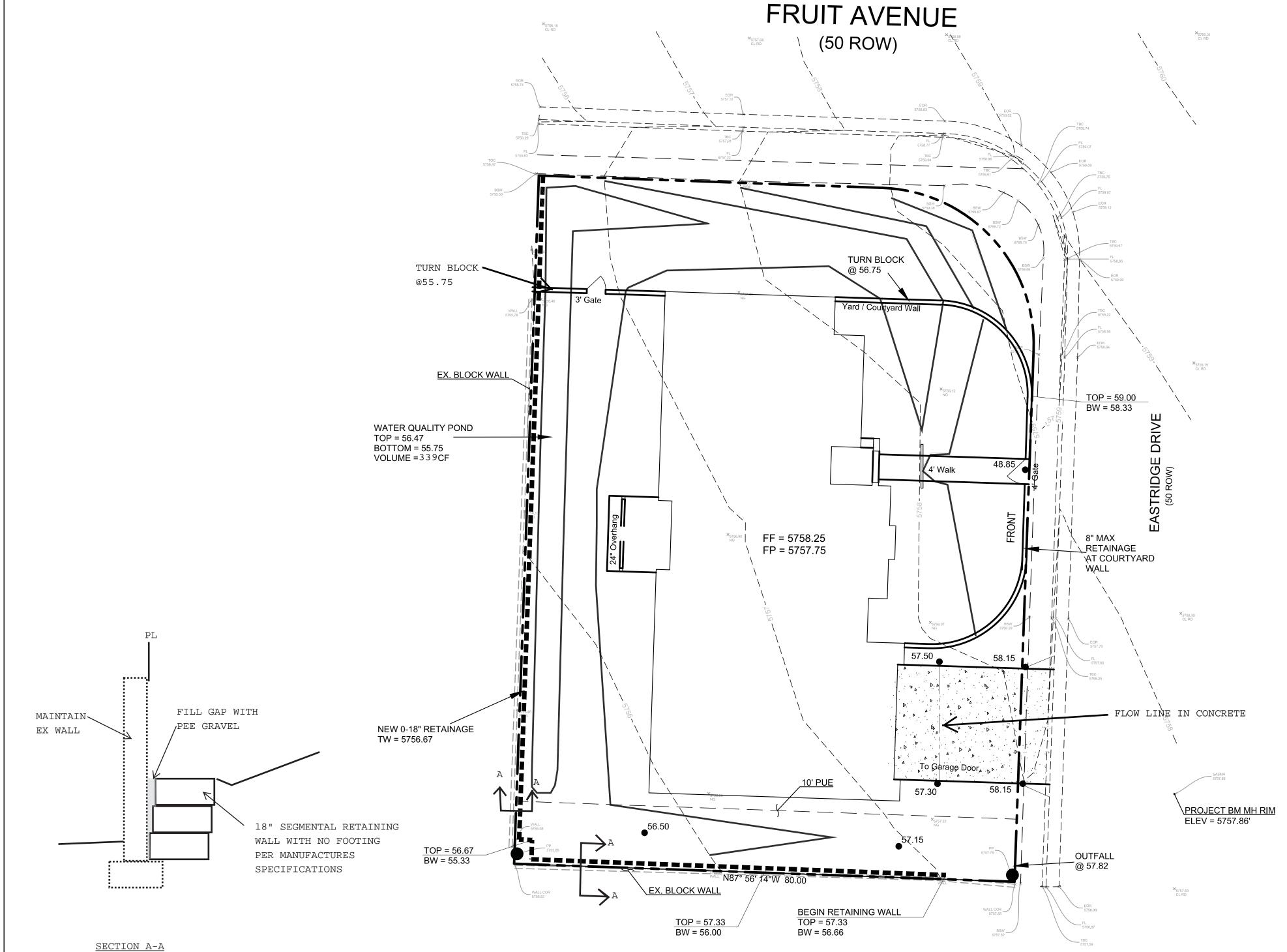
Where for 100-year, 6-hour storm (zone 4)

Qb= 2.92 Qc= 3.73 Ec= 1.46 Qd= 5.25 Ed= 2.64

DRAINAGE NARRATIVE

THIS SITE IS A DEVELOPED LOT WITHIN A FULLY DEVELOPED RESIDENTIAL SUBDIVISION. ALL LOTS IN THE AREA FREE DISCHARGE. THE LOT CURRENTLY DISCHARGES 0.44CFS TO THE ADJACENT LOT. THIS SITE IS NOT IMPACTED BY UPLAND FLOWS. DUE TO THE SLOPE OF THE LOT THE SITE IS DESIGNED TO DISCHARGE 0.82CFS

TO THE FRUIT RIGHT OF WAY AFTER PASSING THROUGH A 339 CF WATER QUALTY POND



CAUTION:

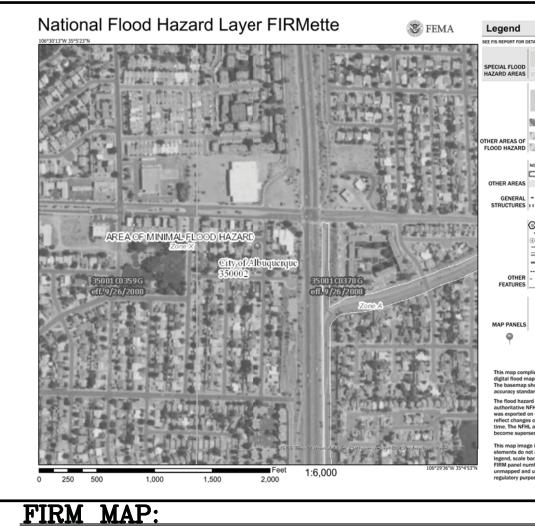
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL **NECESSARY FIELD INVESTIGATIONS PRIOR** TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

- 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.



VICINITY MAP: K-22-7



LEGAL DESCRIPTION:

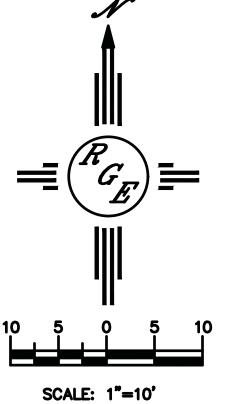
LOT 7 BLOCK 6 CHELWOOD PARK
CITY OF ALBUQUERQUE, COUNTY OF BERNALILLO, NEW MEXICO

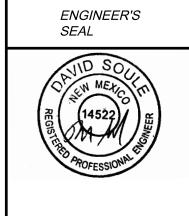
NOTES:

- 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
- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

LEGEND

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR PROPOSED INDEX CONTOUR EXISTING SPOT ELEVATION × XXXX XXXX PROPOSED SPOT ELEVATION BOUNDARY → − − → PROPOSED EARTHEN SWALE — — — — ADJACENT BOUNDARY ≡≡≡≡≡≡≡≡≡≡ EXISTING CURB AND GUTTER PROPOSED RETAINING WALL PROPOSED CONCRETE DRIVEWAY





DAVID SOULE

P.E. #14522

LOT 7 BLK 6 CHELWOOD PARK 13408 FRUIT

GRADING AND DRAINAGE PLAN

8/10/20

Rio Grande Lingineering 1606 CENTRAL AVENUE SE ALBUQUERQUE, NM 87106 (505) 872-0999

JOB#

DRAWN BY DEM

> DATE 8-7-20

LOT 7 BLK 6 CHELWOOD PARK.DWG

SHEET#

C1