

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

August 13, 2025

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

RE: 7505 Laster Ave NE
Grading & Drainage Plan
Engineer's Stamp Date: 8/11/25
Hydrology File: D19D001B1
Case # HYDR-2025-00288

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/11/2025, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. Please note that a Pad Certification is not required for this site.

PRIOR TO CERTIFICATE OF OCCUPANCY:

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

Sincerely,

Anthony Montoya, Jr., P.E., CFM
Senior Engineer, Hydrology
Planning Department, Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Weighted E Method

Basin	Area (sf)	Area (acres)	100-Year, 6-hr.								10-DAY			
			Treatment A (%) (acres)	Treatment B (%) (acres)	Treatment C (%) (acres)	Treatment D (%) (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
HISTORICAL	4937.00	0.113	0%	0	22%	0.025	25%	0.028	53%	0.060	1.829	0.017	0.42	0.019
PROPOSED	4937.00	0.113	0%	0	21%	0.024	21%	0.024	58%	0.066	1.906	0.018	0.43	0.020
INCREASE										0.006				

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(zone3)

Ea= 0.67
Eb= 0.86
Ec= 1.09
Ed= 2.58

Qa= 1.84
Qb= 2.49
Qc= 3.17
Qd= 4.49

Developed Conditions

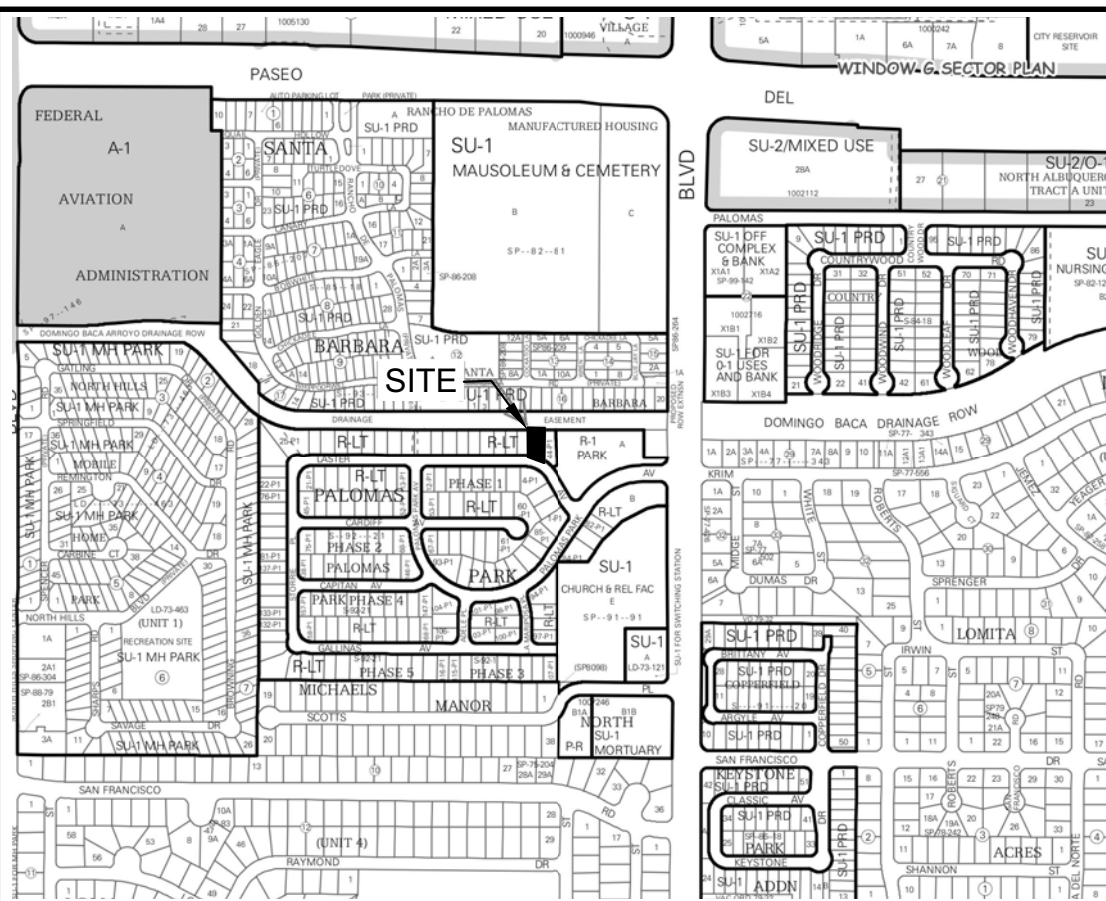
EXISTING	PEAK FLOW	TOTAL FLOW
PROPOSED	0.42 CFS	848 CF
INCREASE	0.43 CFS	889 CF
FIRST FLUSH	0.01	41
PROVIDED		5 CF
		41 CF

DRAINAGE NARRATIVE

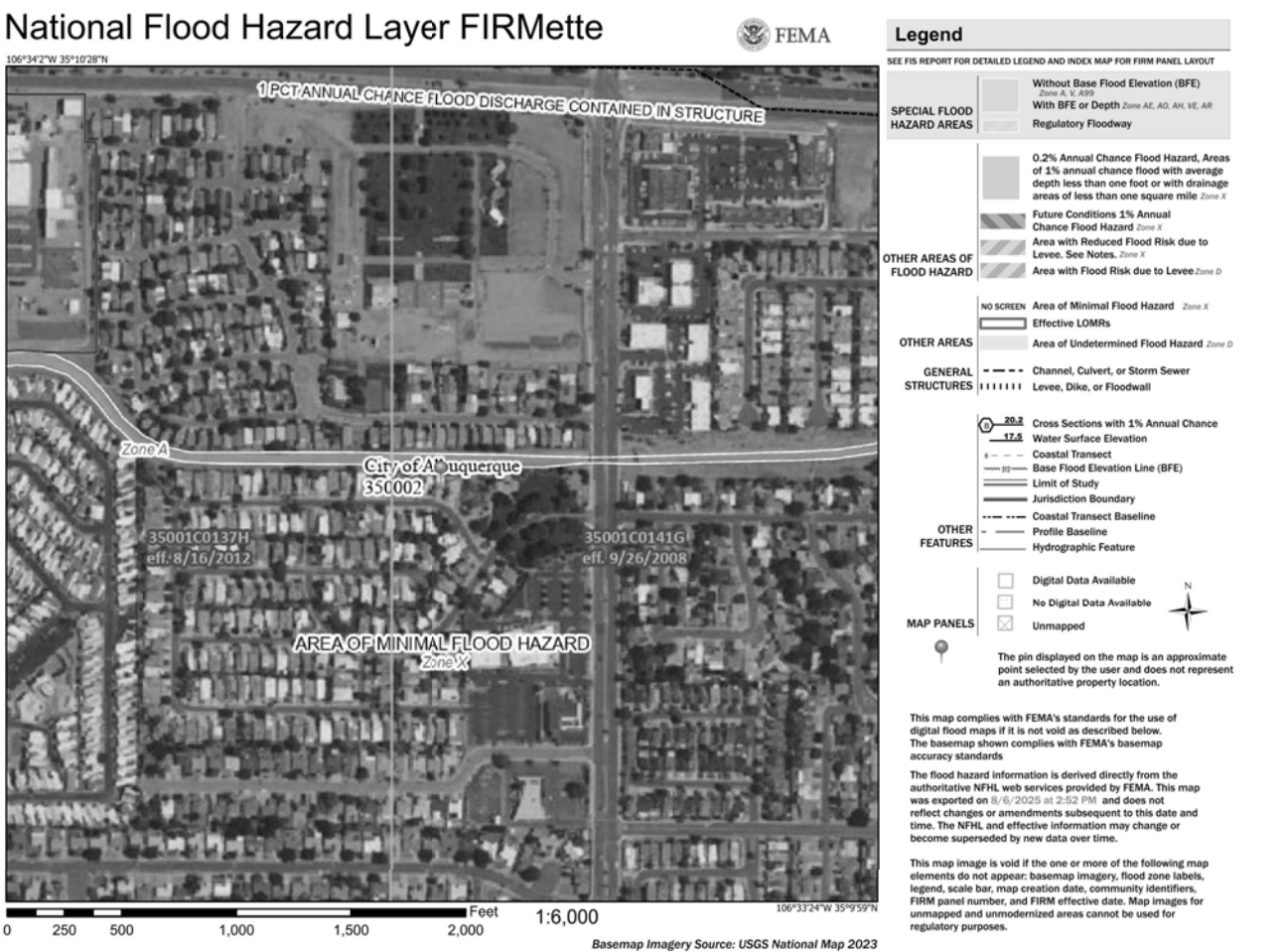
THIS SITE IS AN ADDITION TO AN EXISTING LOT. THE SUBDIVISION ALLOWS FREE DISCHARGE. THE DRAINAGE SOLUTION WILL CONTINUE FREE DISCHARGE AND RETAIN THE WATER QUALITY VOLUME

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.



VICINITY MAP: D-19-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 43 P-1 PALOMAS PARK
CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

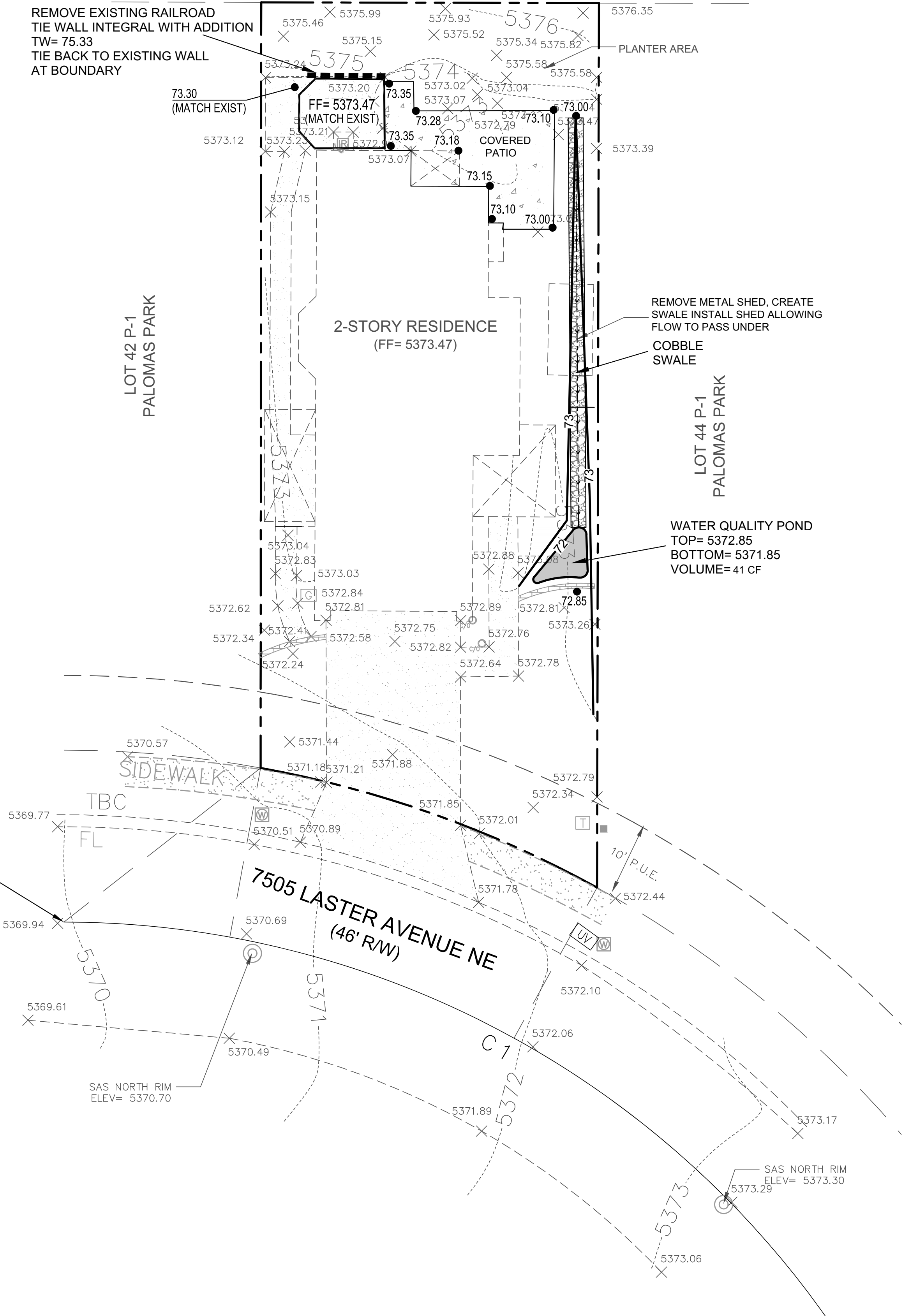
NOTES:

- 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.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED

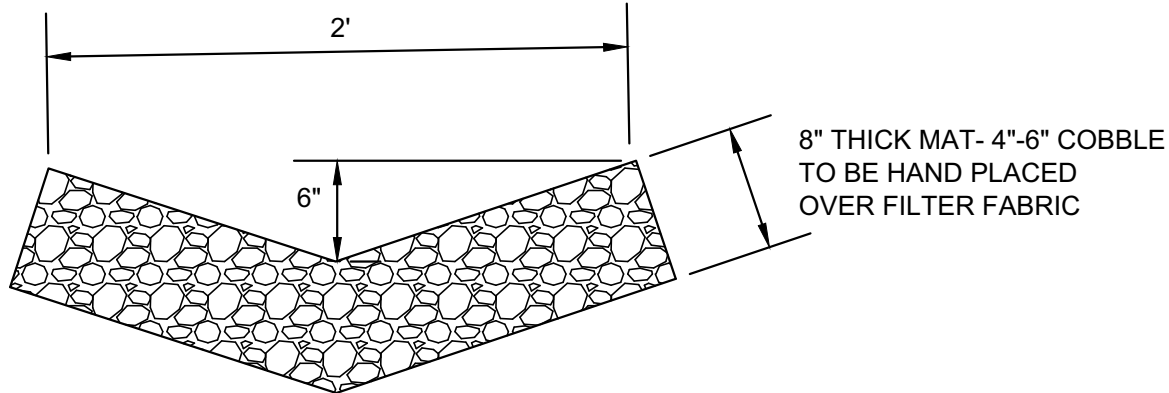
LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- EXISTING CURB AND GUTTER
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE
- PROPOSED 2' WIDE COBBLE SWALE
- PROPOSED PONDING

DOMINGO BACA ARROYO
(70' R/W)



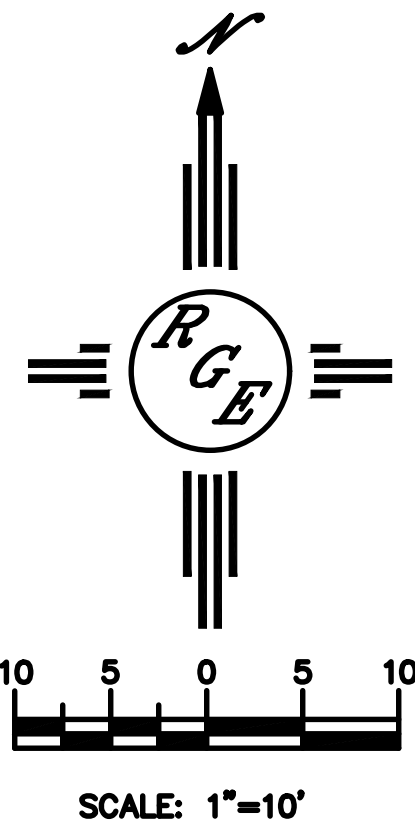
CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



COBBLE SWALE
NTS

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.



ENGINEER'S SEAL	LOT 43 P-1 PALOMAS PARK 7505 LASTER AVE NE	DRAWN BY DEM
DAVID SOULE 14522 PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 8-9-25
8/11/25	Rio Grande Engineering	7505 Laster Ave NE.dwg
DAVID SOULE P.E. #14522		SHEET # C1
		JOB #