

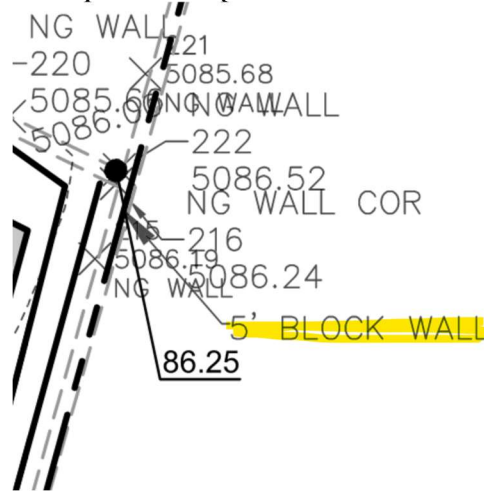
CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

2. If wall is being added please add Top of Wall and Bottom of Wall elevations. If existing wall, please see previous comment and clean up the plans.



3. Delete this note.
6. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

PO Box 1293

If you have any questions, please contact me at 505-924-3995 or baileythompson@cabq.gov.

Albuquerque

Sincerely,

NM 87103

www.cabq.gov

Bailey Thompson, E.I.T.
Engineer Associate, Hydrology
Planning Department, Development Review Services

Weighted E Method

Basin	Area (sf)	Area (acres)	100-Year 6-hr				Weighted E	Volume (ac-ft)	Flow cfs				
			Treatment A %	Treatment B %	Treatment C %	Treatment D %							
EXISTING	8036.00	0.184	0%	38%	0.070	36%	0.0664	28%	0.052	1.327	0.020	0.59	
PROPOSED	8036.00	0.184	0%	25%	0.046	28%	0.0517	47%	0.087	1.584	0.024	0.64	
COMPARISON	0.00	0.00	0%	0.000	-13%	-0.024	-8%	-0.015	19%	0.035		0.004	0.051

Equations:

Weighted E = Ea**A*a + Eb**A*b + Ec**A*c + Ed**A*d / (Total Area) First flush requirement (Redevelopment=imp_x.26/12-- New development=imp_x.34/12)

Volume = Weighted E * Total Area REQUIRED PROVIDED

Flow = Qa * *A*a + Qb * *A*b + Qc * *A*c + Qd * *A*d 81.833 279 cubic feet

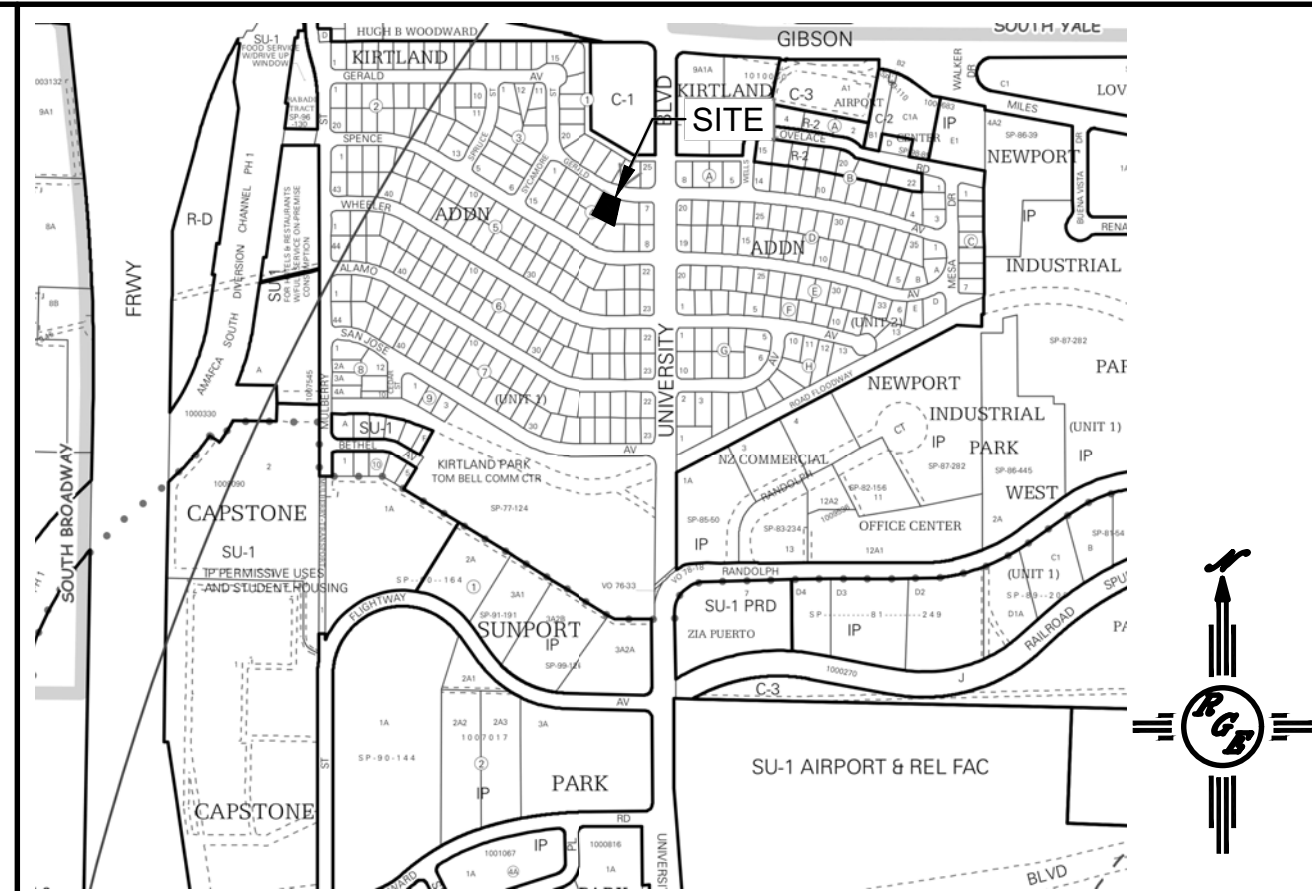
Where for 100-year, 6-hour storm
 Ea= 0.62 Qa= 1.71
 Eb= 0.8 Qb= 2.36
 Ec= 1.03 Qc= 3.05
 Ed= 2.33 Qd= 4.34

Developed Conditions	FLOOD CONTROL INCREASE	6-HOUR 172 CF	PROVIDED 315
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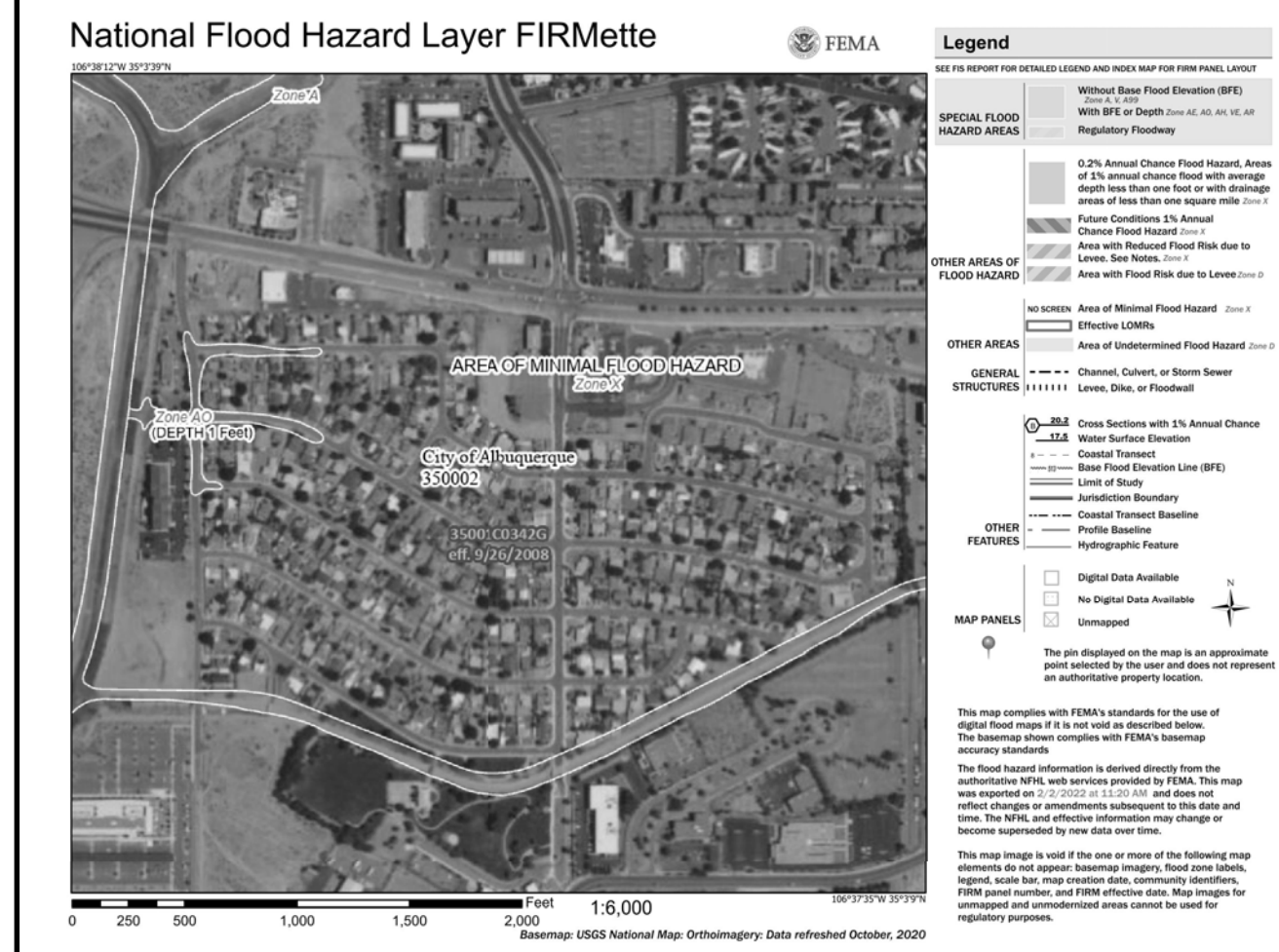
NARRATIVE
 THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A +/-1500 SQUARE FOOT ADDITION TO AND EXISTING HOUSE. THE DRIVEWAY AND FLATWORK SHALL BE MODIFIED. THE REAR YARD AND SIDE YARD WILL BE MODIFIED TO CAPTURE STORM WATER. THE PONDS DRAIN TO STREET IN EMERGENCY CONDITION. SITE IS LOCATED IN A FULLY DEVELOPED NEIGHBORHOOD. THE INCREASE IN FLOW IS BEING RETAINED AND DRAINAGE PATTERN TO THE STREET REMAINS.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOP SOIL 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:



FIRM MAP:

LEGAL DESCRIPTION:

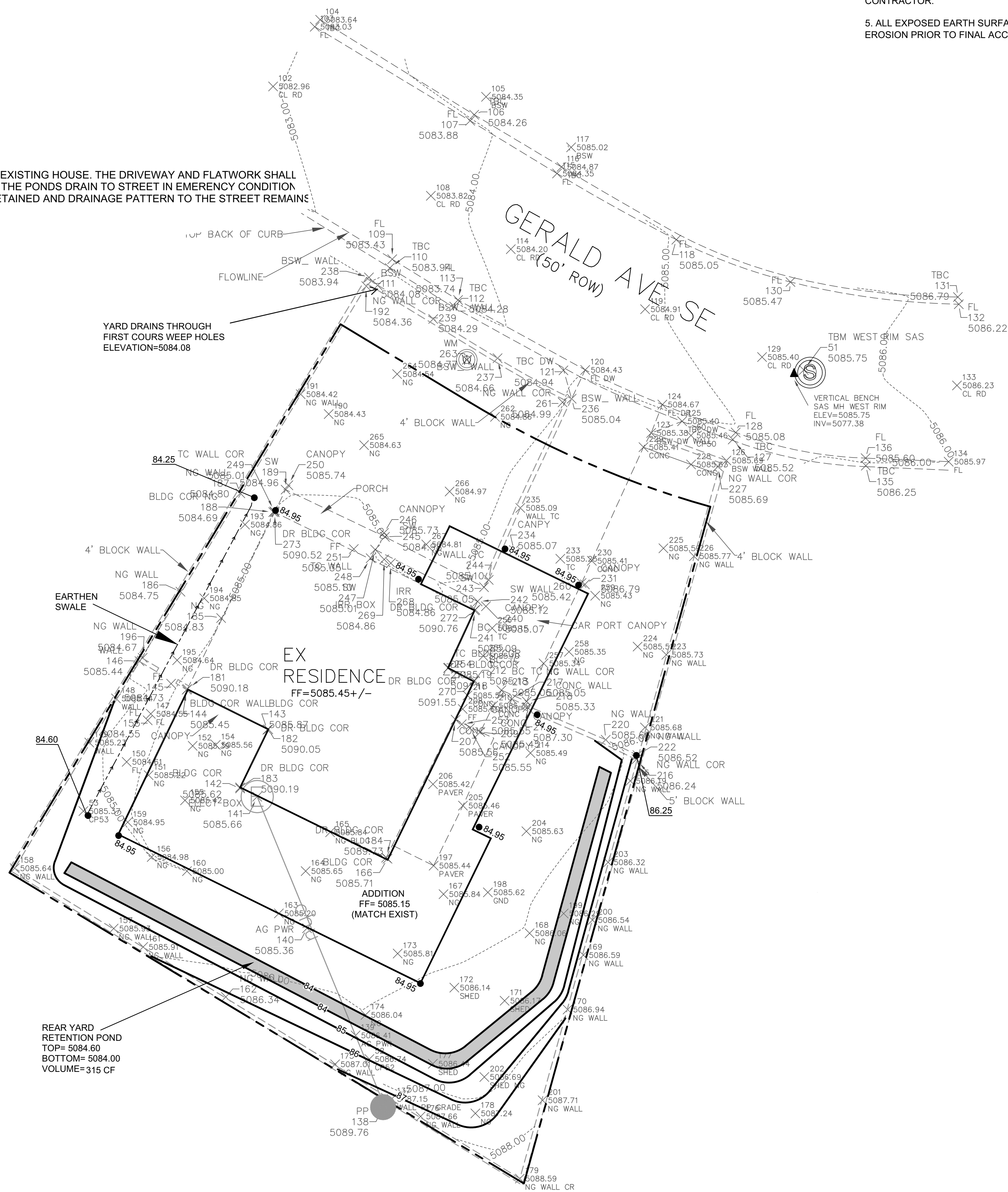
KIRKLAND ADDITION LOT 5 BLOCK 4 UNIT 1
 CITY OF ALBUQUERQUE, BERNILLO COUNTY, NEW MEXICO

NOTES:

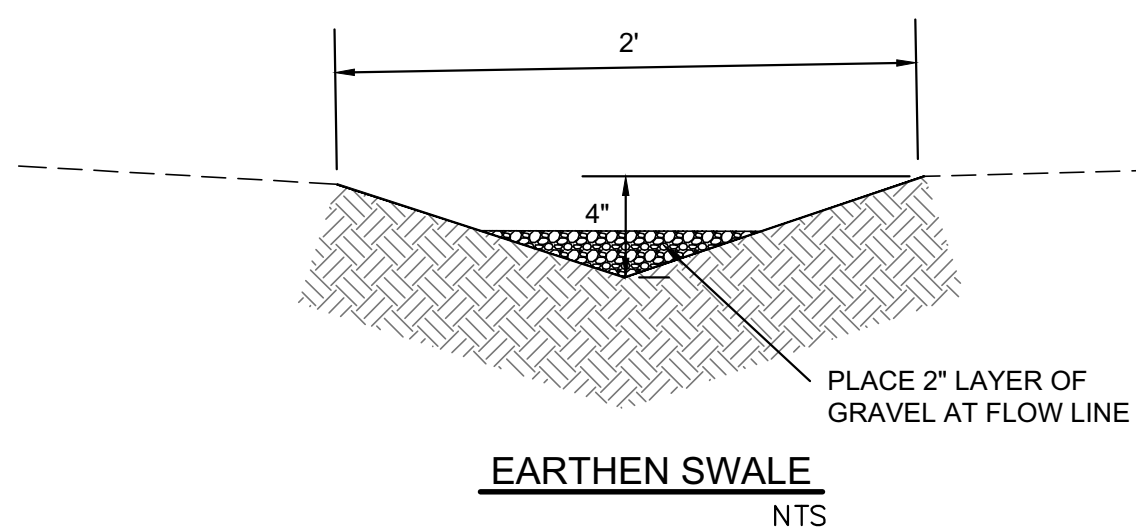
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1988.
5. LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
6. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

-----XXXX-----	EXISTING CONTOUR
-----XXXX-----	EXISTING INDEX CONTOUR
-----XXXX-----	PROPOSED CONTOUR
-----XXXX-----	PROPOSED INDEX CONTOUR
• XXXX	EXISTING SPOT ELEVATION
• XXXX	PROPOSED SPOT ELEVATION
-----	BOUNDARY
-----	ADJACENT BOUNDARY
=====	EXISTING CURB AND GUTTER
-----<-----	PROPOSED EARTHEN SWALE

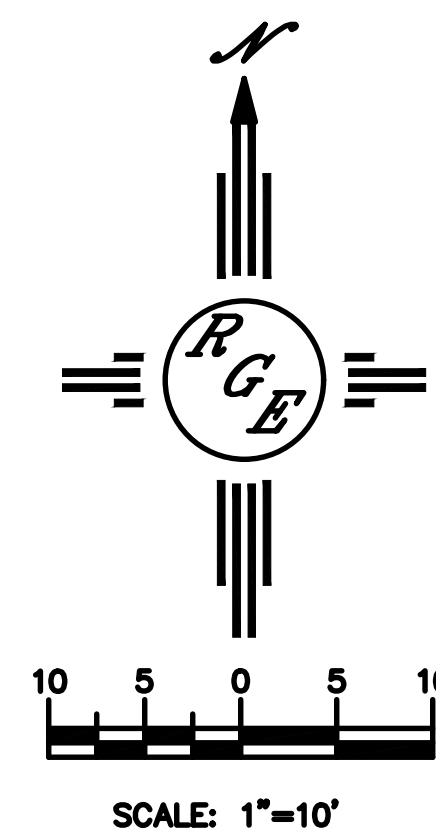


CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



REAR YARD RETENTION POND
 TOP= 5084.60
 BOTTOM= 5084.00
 VOLUME=315 CF

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	KIRKLAND ADDITION LOT 5 BLOCK 4 UNIT 1 1516 GERALD AVE. SE GRADING AND DRAINAGE PLAN	DRAWN BY DEM
		DATE 2-16-26
DAVID SOULE P.E. #14522	 RIO BOX 53294 ALBUQUERQUE, NM 87199 (505) 321-8099	SHEET # C1 JOB #