

Weighted E Method

Existing Developed Basins										100-Year 6-hr.				10-day	
Basin	Area (sf)	Area (acres)	Treatment A %	Treatment B %	Treatment C %	Treatment D %	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)					
ALLOWED PER MASTERPLAN	40668	0.934	0%	15.0%	0.140	0.0%	0.85%	0.794	2.322	0.181	3.91	0.286			
PROPOSED	40668	0.934	0%	10.0%	0.093	6.0%	0.05802	84%	0.784	2.319	0.180	3.93	0.285		
COMPARISON			0.000		0.047		-0.056		0.009		0.000	0.019	-0.002		

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 3)

Ea= 0.87
Eb= 0.86
Ec= 1.09
Ed= 2.58

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

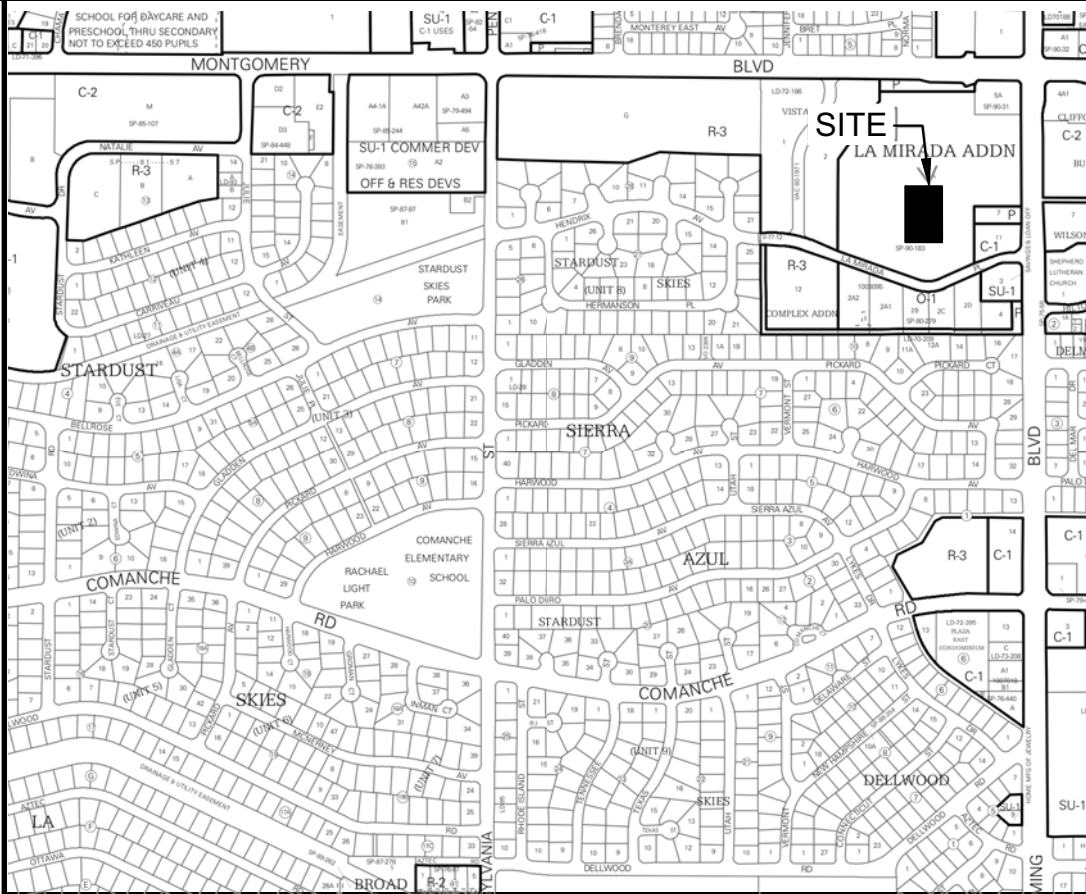
Pond volume required to reduce to below master plan assumption 0.00 cf
Pond volume provided 48 cf

Narrative

The subject property is located within the boundaries of the new Wymont development and La Mirada master drainage plan(G19D004). This parcel is located within basin E of the plan. The overall development assumed 85% D and 15%B land treatments or 2.55 cfs per acre. The proposed development conforms to the developed condition assumptions of the master plan and is allowed free discharge. There is a regional water quality pond that accounts for the flow from this site, water harvesting is not required but is proposed

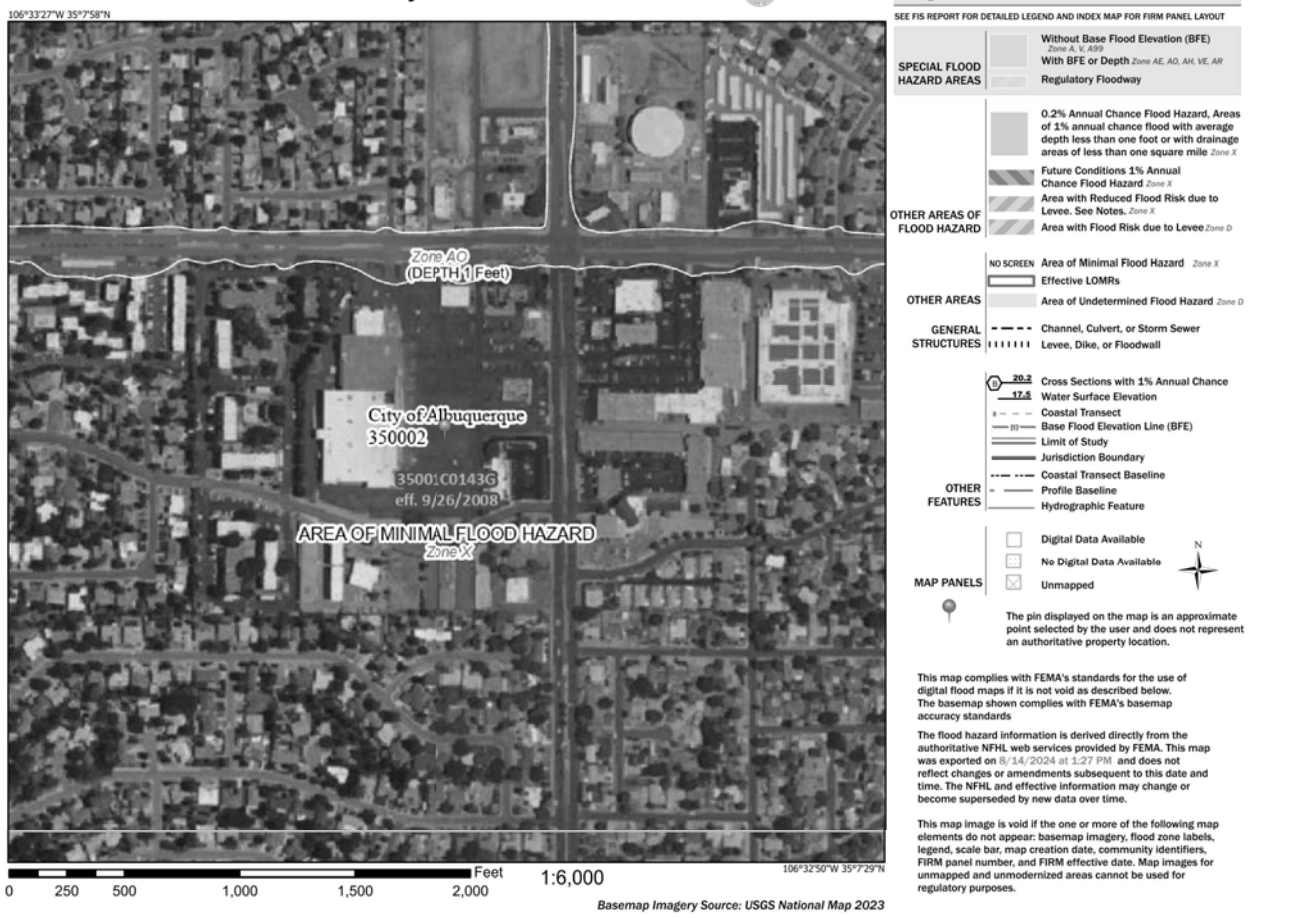
EROSION CONTROL NOTES:

- 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: G-19-Z

National Flood Hazard Layer FIRMette



FIRM MAP:

LEGAL DESCRIPTION:

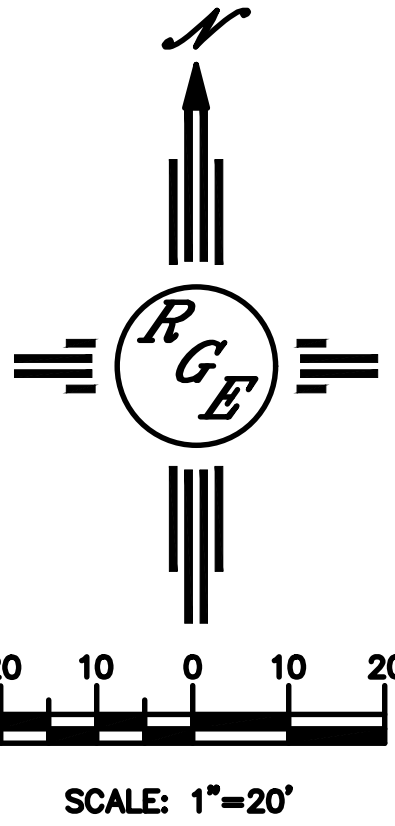
TRACTS 6 WYMONT SUBDIVISION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO


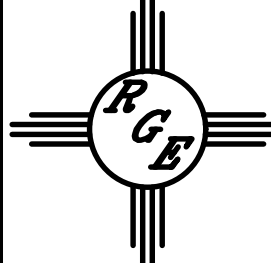
NOTES:

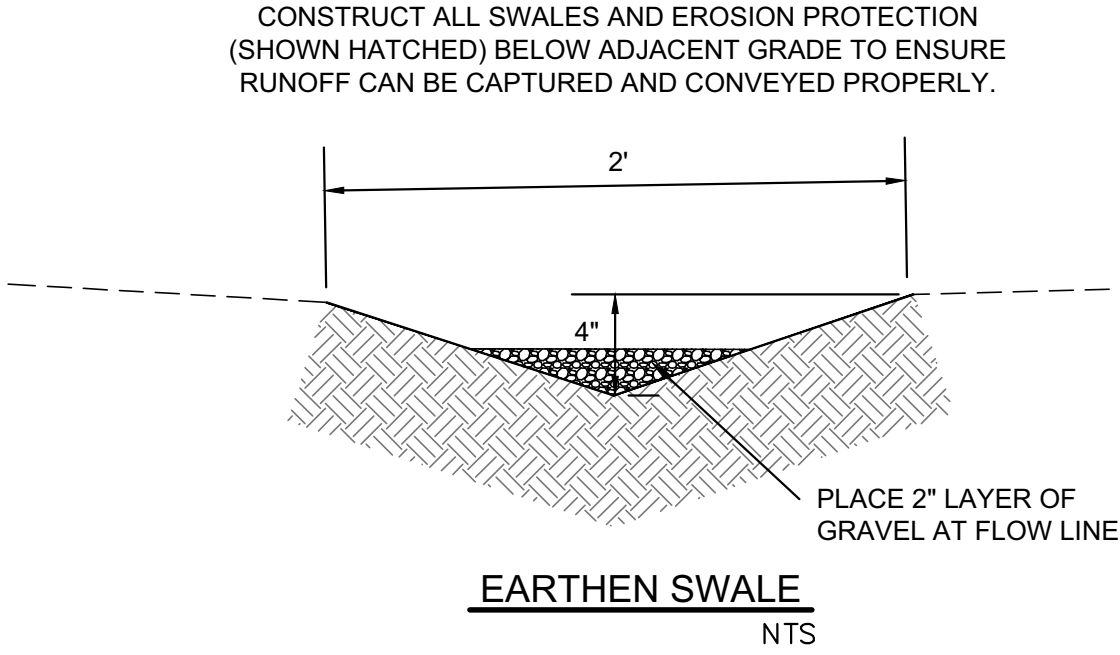
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- LONG TERM MAINTAINANCE OF ALL PONDS, SWALES AND OVERFLOWS IS REQUIRED
- 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 CONCRETE
=====	PROPOSED 2' WIDE COBBLE SWALE



<div>ENGINEER'S SEAL</div> <div></div> <div>DAVID SOULE P.E. #14522</div>	<div>TRACT 6 WYOMONT SUB</div> <div>4321 WYOMING</div> <div>GRADING AND DRAINAGE PLAN</div> <div><div><div>Rio Grande Engineering</div><div>PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099</div></div></div>	<div>DRAWN BY DEM</div>
		<div>DATE 8-17-24</div>
<div>Lot 6 Wymont.dwg</div>		
<div>SHEET # C1</div>		
<div>JOB #</div>		



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.