

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

September 30, 2025

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

RE: 319 Alcazar St NE
Grading and Drainage Plan
Engineer's Stamp Date: 9/25/25
Hydrology File: K19D158
Case # HYDR-2025-00345

Dear Mr. Soule:

Based upon the information provided in your submittal received 9/25/2025, the Grading & Drainage Plans are approved for 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.

PO Box 1293

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

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

NM 87103

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.

www.cabq.gov

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

Weighted E Method
alcazar

Existing Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A				Treatment B				Treatment C				Treatment D				100-Year, 6-hr.			10-day	
			%		(acres)		%		(acres)		%		(acres)		%		(acres)		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)	
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)									
HISTORIC	6765	0.155	0%	0	20.0%	0.031	51.0%	0.0792	29%	0.045								1.476	0.019	0.53	0.024		
PROPOSED	6765	0.155	0%	0	16.0%	0.025	44.0%	0.06833	40%	0.062								1.649	0.021	0.56	0.028		

Equations: 1662

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= 0.67	Qa= 1.84
Eb= 0.86	Qb= 2.49
Ec= 1.09	Qc= 3.17
Ed= 2.58	Qd= 4.49

DISCHARGE PROPOSED	0.56 CFS	1230 CF
EXISTING DISCHARGE	0.53 CFS	1050 CF
DIFFERENCE	98 CF	
WATER QUALITY (0.26X%/D/12)	64 CF	
INCREASE IN FLOW RETAINED	127 CF	

Narrative
This project is a redevelopment of and existing residential lot. The building shown on recent aerials has been recently demolished. The proposed development is a singlefamily residential project. The existing site discharges 0.53 cfs to the acent properties. The proposed development will discharge the main flow to the front and retain a portion of the rear flow while maintaining existing discharge points. The existing neighborhood is allowed to free discharge. The site is not impacted by upland flows due to solid walls, minor cross lot flow if passing through weep holes to pass through the site to the roadway.

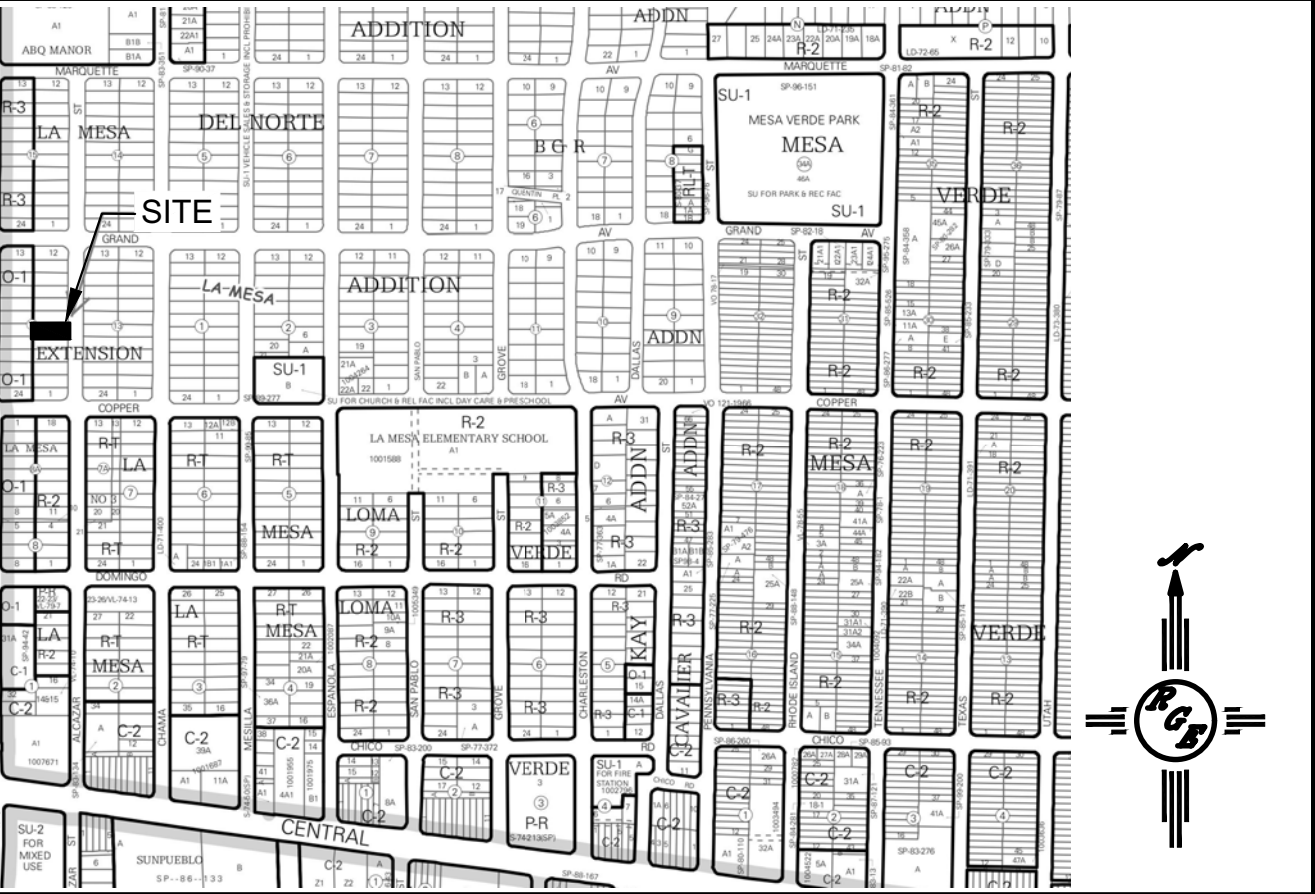
EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A 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.

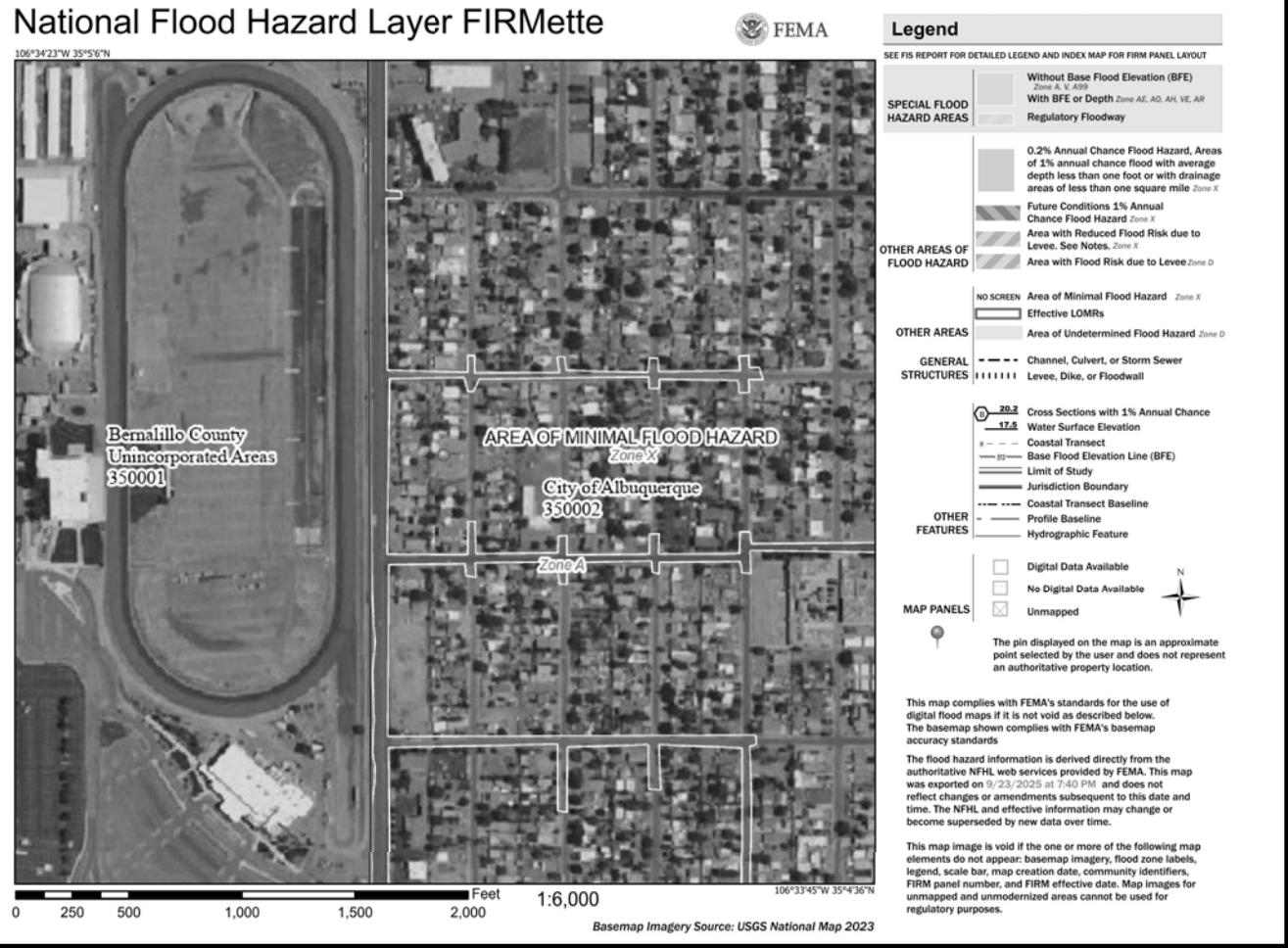
City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE: 9/30/2025
BY: *David Soule*
HydroTrans # K19D158

THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTIONS FOR ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTION DOCUMENTS. SUCH APPROVED PLANS/REPORTS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.
THE APPROVAL OF THESE PLANS/REPORTS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE IF NO BUILDING PERMIT HAS BEEN FILED ON THE DEVELOPMENT.



VICINITY MAP: K-19-Z



FIRM MAP:

LEGAL DESCRIPTION:

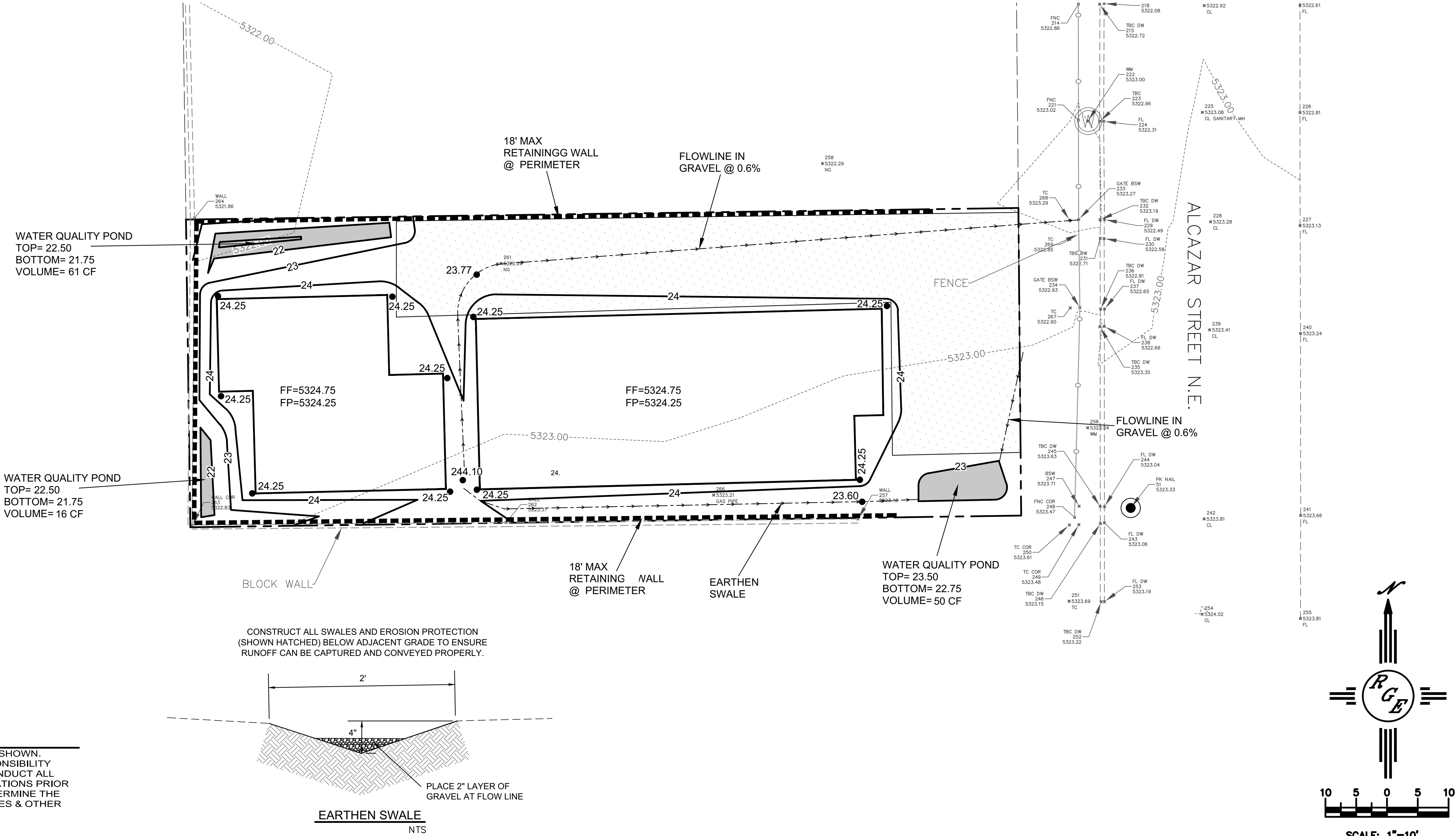
LOT 6 BLOCK 12 LA MESA EXTENSION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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 DYNAMIC CONSTRUCTION AND TECHNOLOGY LLC USING NAVD DATUM 1988.
- LONG TERM MAINTENANCE 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 EARTHEN SWALE
-----	PROPOSED RETAINING WALL
-----	PROPOSED GRAVEL
-----	PROPOSED PONDING



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.

EARTHEN SWALE

NTS