

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 24, 2025

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

**RE: 4023 Silvery Minnow NW
Grading and Drainage Plan
Engineer's Stamp Date: 3/19/25
Hydrology File: G11D014D6
Case # HYDR-2025-00089**

Dear Mr. Soule:

Based upon the information provided in your submittal received 03/19/2025, 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.

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

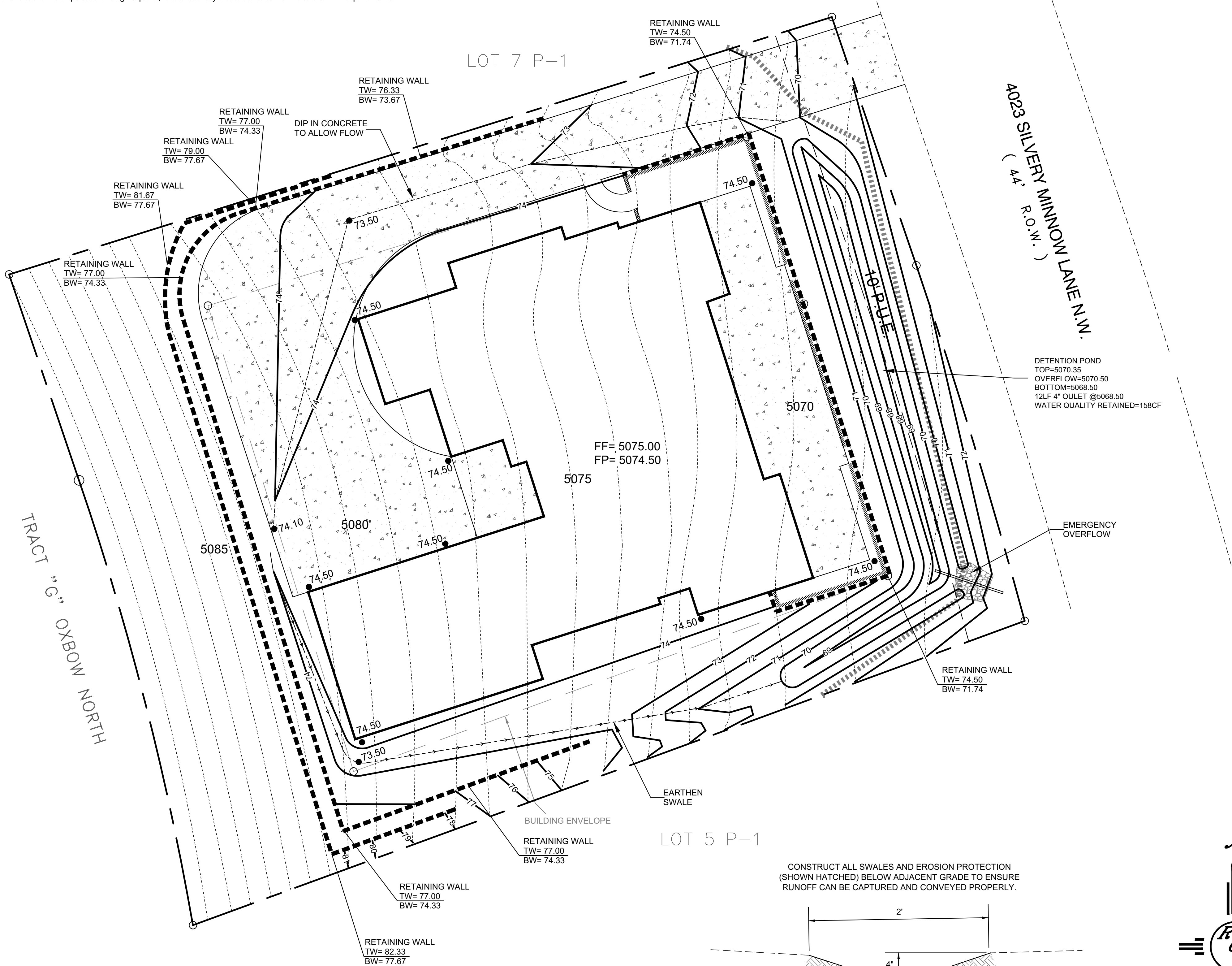
NM 87103

www.cabq.gov

BASIN DATA

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Q100 GENERATED	V100 GENERATED	Q100 DISCHARGED
			%	(acres)	%	(acres)	%	(acres)	%	(acres)			
EXISTING	16180	0.371	80%	0.2972	20.0%	0.0743	0.0%	0.0000	0%	0.0000	0.5	767	0.5
PROP TO POND	15360	0.353	0%	0.0000	30.0%	0.1058	18.0%	0.0635	52%	0.1834	1.05	1986	0.5
PROP TO STREED	820	0.019	0%	0.0000	25.0%	0.0047	60.0%	0.0113	15%	0.0028	0.05	74	0.53
HISTORICAL													0.50
PROPOSED													0.53
WATER QUALITY REQUIRED													279.55

Narrative
The subject property is located within the boundaries of the Oxbow Master Drainage Master Plan. The site is required to match historical flow rates. The site currently discharges 0.5 cfs, the proposed discharge is .53 cfs. This .03 cfs is deminimus. The flow passes through a retention pond that meters the flow based upon the orifice equation, the entire flow passes thr the pond and 154 cf is retained. this is less than the 245 cf specified, yet the fact the water passes through a pond, it is effectively treated and conforms to the LID requirements

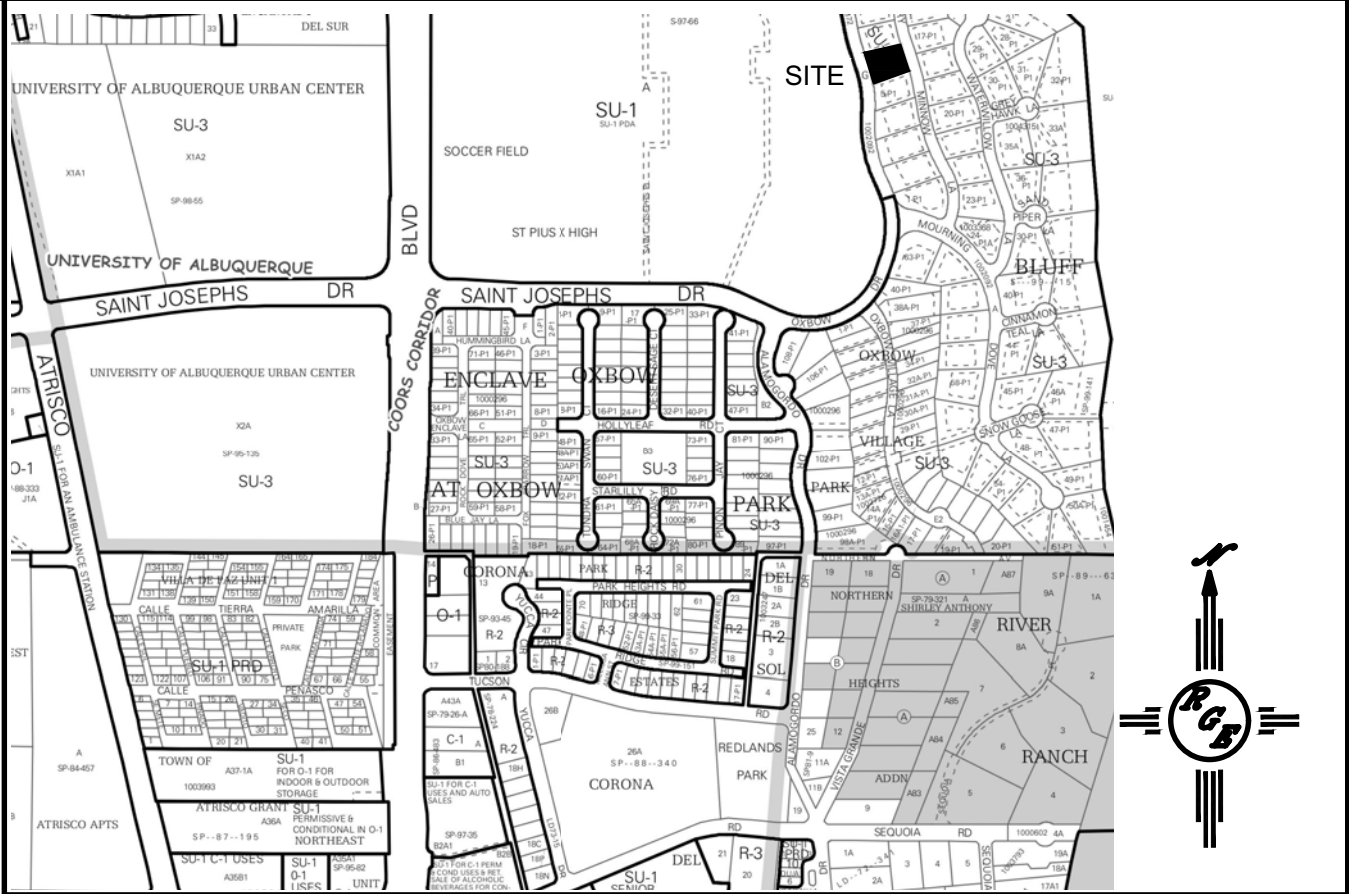


CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

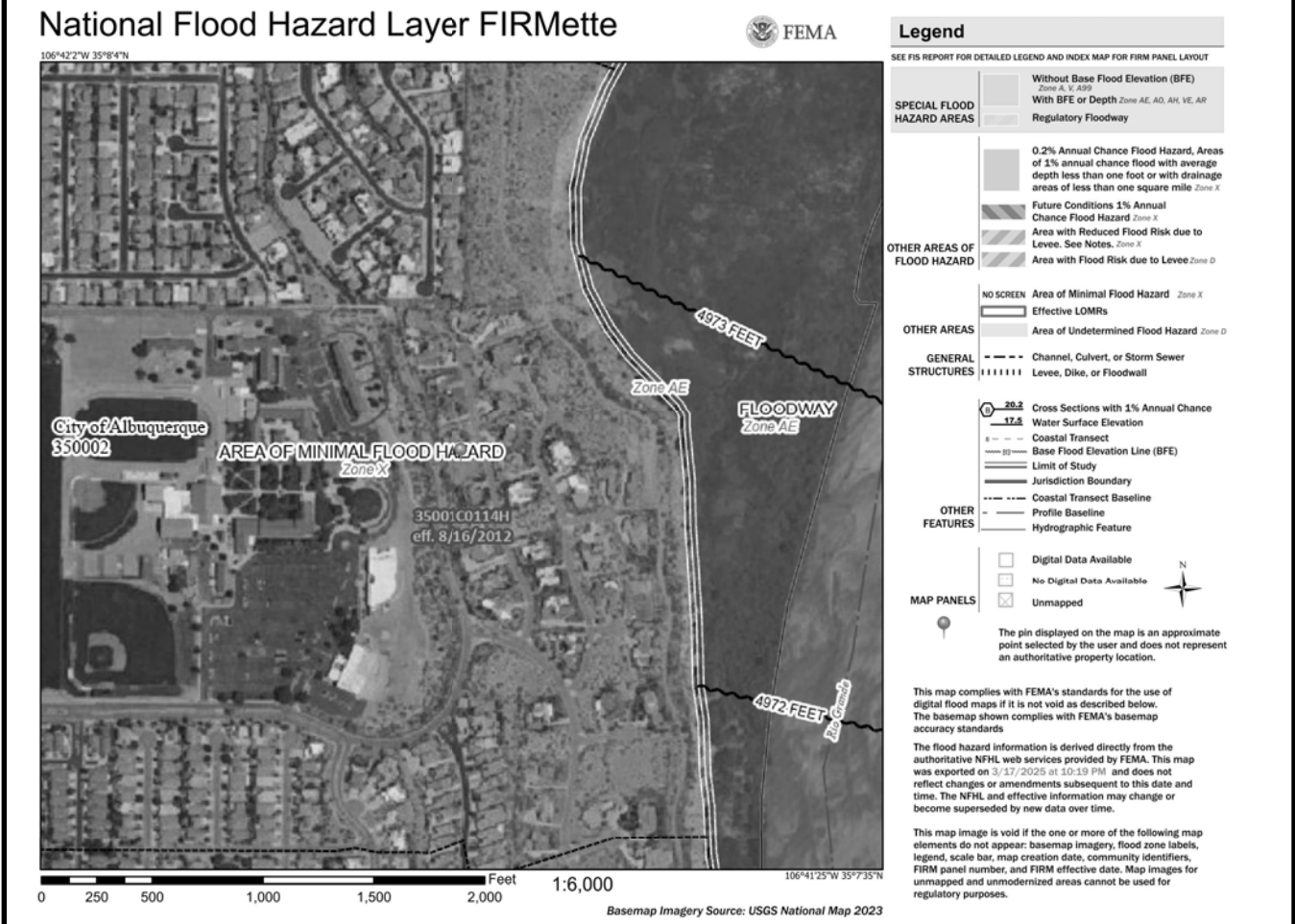
City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 3/24/2025
BY: [Signature]
HydroTrans #: G11D014D6
THE APPROVAL OF THESE PLANS/REPORTS SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTIONS FOR ERRORS OR DIMENSIONS 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.

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:



FIRM MAP:

LEGAL DESCRIPTION:

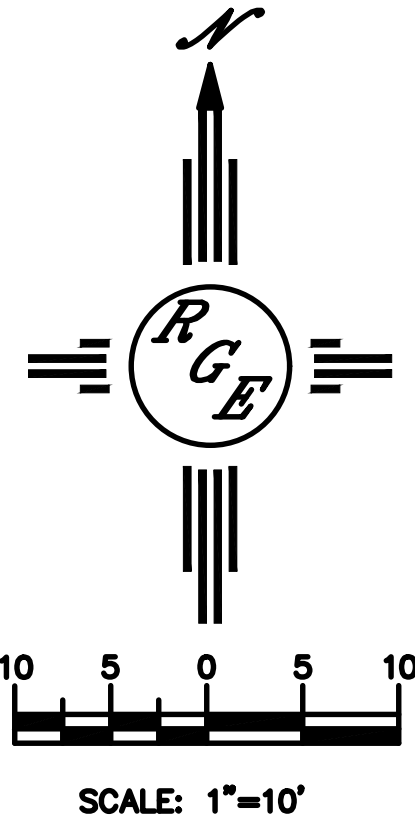
LOT 6 P-1 OXBOW BLUFF SUBDIVISION
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

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 COMMUNITY SCIENCES CORPORATION 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
-----	PROPOSED RETAINING WALL
-----	PROPOSED CONCRETE



ENGINEER'S SEAL	LOT 6 P-1 OXBOW BLUFF SUB 4023 SILVERY MINNOW LN NW	DRAWN BY DEM
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	DATE 3-19-25
3/19/25	Rio Grande Engineering P.O. BOX 53924 ALBUQUERQUE, NM 87199 (505) 321-9099	C:\Derry\RGSD\DAVID SOULE\EST-0402.dwg
DAVID SOULE P.E. #14522		SHEET # C1
		JOB #

BASIN DATA

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Q100	V100	Q100
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	GENERATED	GENERATED	DISCHARGED
EXISTING	16180	0.371	80%	0.2972	20.0%	0.0743	0.0%	0.0000	0%	0.0000	0.5	767	0.5
PROP TO POND	15360	0.353	0%	0.0000	30.0%	0.1058	18.0%	0.0635	52%	0.1834	1.05	1986	0.5
PROP TO STREED	820	0.019	0%	0.0000	25.0%	0.0047	60.0%	0.0113	15%	0.0028	0.05	74	0.53
HISTORICAL											0.50		
PROPOSED											0.53		
WATER QUALITY REQUIRED											279.55		

Narrative
The subject property is located within the boundaries of the Oxbow Master Drainage Master Plan. The site is required to match historical flow rates. The site currently discharges 0.5 cfs, the proposed discharge is .53 cfs. This .03 cfs is de minimus. The flow passes through a retention pond that meters the flow based upon the orifice equation. the entire flow passes thr the pond and 154 cf is retained, this is less than the 245 cf specified, yet the fact the water passes through a pond, it is effectively treated and conforms to the LID requirements

VOLUME CALCULATIONS

ACTUAL ELEV.	DEPTH (FT)	AREA SF	VOLUME PER UNIT	VOLUME CUMULATIVI	VOLUME AC-FT	Q (CFS)
67.50	0.00	114.00	0.00	0	0.000	0.00
68.50	0.00	201.00	157.50	157.50	0.004	0.00
70.05	1.50	755.00	740.90	898.40	0.021	0.51

Orifice Equation
Q = CA SQRT(2gH)

C = 0.6
Diameter (in) 4
Area (ft^2)= 0.087266463
g = 32.2
H (ft) = Depth of water above center of orifice
Q (CFS)= Flow

OUTFALL

										HYDRO-OUT																			
0.0	2.550	0.2	7.500	0.0	12.450	0.0	17.400	0.0	22.350	0.0	2.400	0.1	7.350	0.0	12.300	0.0	17.250	0.0	22.200	HYDRO-PROGRAM (HYDRO-54) - version: 54.01a - Rel: 01a									
0.0	2.700	0.1	7.650	0.0	12.600	0.0	17.550	0.0	22.500	0.0	2.550	0.0	7.500	0.0	12.450	0.0	17.400	0.0	22.350	RUN DATE (MM/DD/YY) = 03/19/2025									
0.0	2.850	0.1	7.800	0.0	12.750	0.0	17.700	0.0	22.650	0.0	2.700	0.0	7.650	0.0	12.600	0.0	17.550	0.0	22.500	START TIME (MM/DD/SEC) = 13:20:03 USER NO = R1504000									