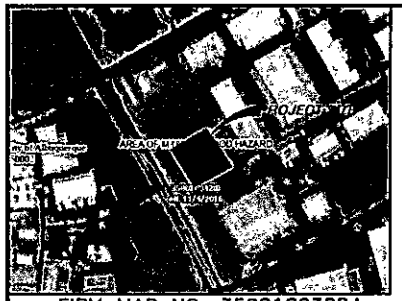
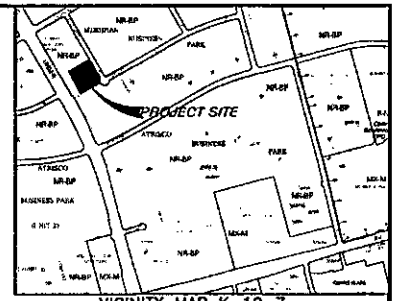




DRAINAGE INFORMATION

LOCATION & DESCRIPTION
THE PROPOSED SITE IS AN UNDEVELOPED TRACT ON SILVER CREEK ROAD COMBINED WITH THE ADJACENT TRACT ON UNSER BLVD. LOT 1-B1-A CONTAINING 1.82 ACRES AND LOT 23 CONTAINING 2.23 ACRES COMPRISING A TOTAL OF 4.05 ACRES.

FLOODPLAIN STATUS
THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0328J, DATED NOVEMBER, 2016 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN.

EXISTING DRAINAGE
THE SITE DRAINS TO SILVER CREEK ROAD AND IS WITHIN THE AREA OF THE MASTER DRAINAGE PLAN OF "K10-D023 ATRISCO BUSINESS PARK" AND IS RESTRICTED TO THE DISCHARGE RATES DEFINED IN THAT REPORT. BASINS OS2 AND OS3 OF THE REPORT CONTAIN THE SITE AND IS RESTRICTED TO A DISCHARGE 0.10 CFS/ACRE.

DEVELOPED CONDITION
PER CROSS LOT DRAINAGE EASEMENTS AND GRADING PLAN FOR BLUEWATER GALLERIA (K10D023), THE SITE RUNOFF FROM THE ADJACENT UPSTREAM SITE WILL BE ROUTED TO THE POND DEPICTED TO RETAIN THE RUNOFF. RUNOFF AND POND VOLUME SHOWN ARE FOR THE DEVELOPED CONDITION OF BOTH SITES. THE POND VOLUME DETAINS 90% OF THE TOTAL RUNOFF WITH A DISCHARGE LIMITED TO 0.41 CFS AT PEAK VOLUME.

METHODOLOGY
THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING THE WEIGHTED E METHOD.,

PRECIPITATION
THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 1 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, CHAPTER 6.

EQUATIONS:
WEIGHTED E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)
FLOW = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

BASIN	AREA (sf)	TREATMENT A %	TREATMENT A sf	TREATMENT B %	TREATMENT B sf	TREATMENT C %	TREATMENT C sf	TREATMENT D %	TREATMENT D sf	WEIGHTED E	VOLUME (cu-ft)	FLOW (cfs)	ALLOWED FLOW (cfs)	CFS/AC (cfs)	ALLOWED (cfs/ac)
ALLOWABLE	176464	100%	176464	0%	0	0%	0	0%	0	0.5500	8088	6.08	0.41	1.50	0.10
PROPOSED	176464	0%	0	0%	0	15%	26470	85%	149994	2.0465	30094	15.93	0.41	3.93	0.10

REQUIRED WATER QUALITY VOLUME

LOT DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.

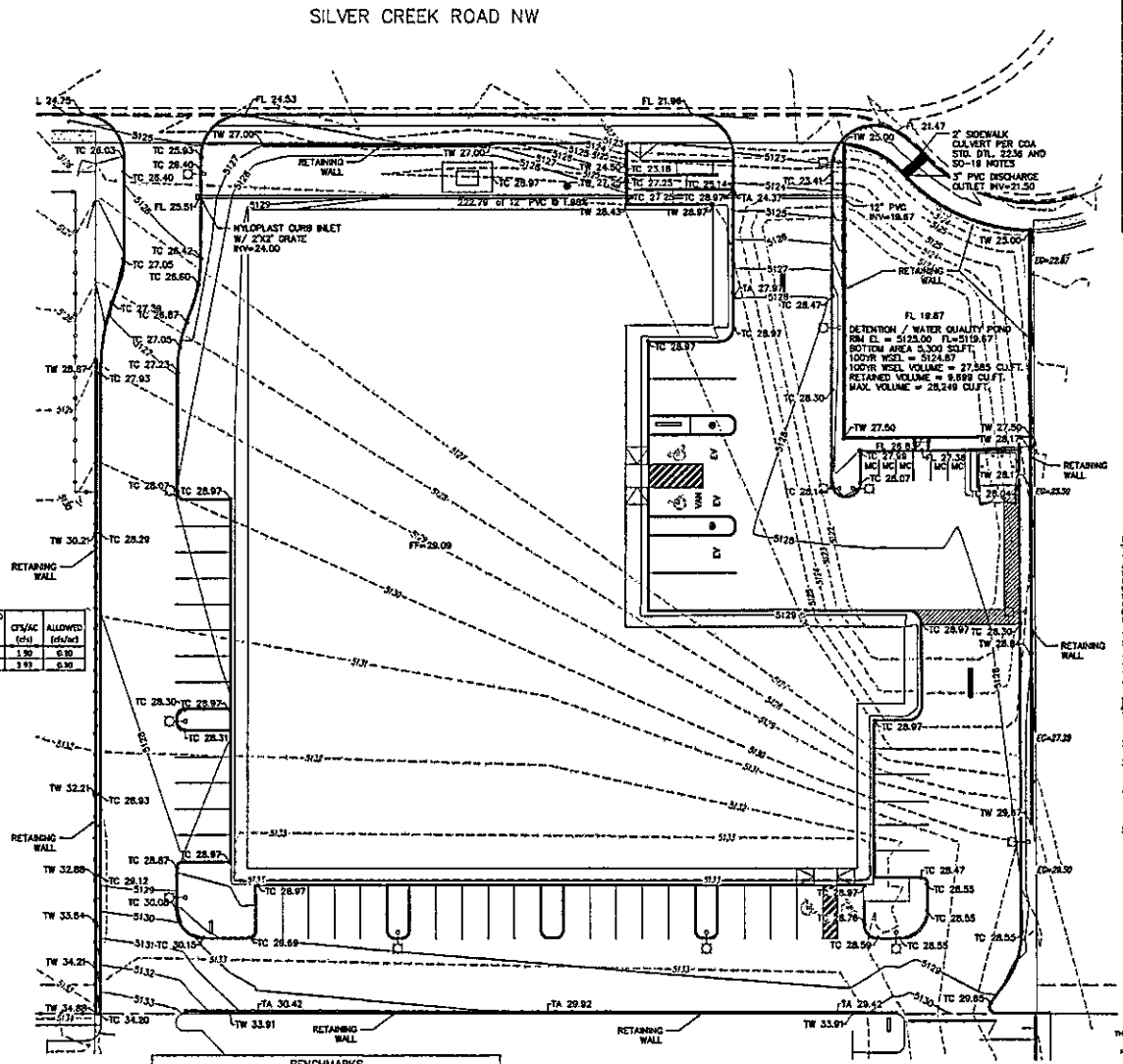
LOT DEPICTED HEREON SHALL BE RESPONSIBLE FOR THE WATER QUALITY VOLUME. THE VOLUME SHALL BE EQUAL TO:
IMPERVIOUS AREA * 0.42/12 IN CUBIC FEET.

IMPERVIOUS AREA = 148,994 SQ.FT.

REQUIRED VOLUME = 148,994 * 0.42/12 = 5,216 CU.FT.
VOLUME PROVIDED = 9,699 CU.FT.

Private Drainage Facilities within City Right-of-Way
Notice to Contractor
(Special Order 19 " "SO-19")

1. Build sidewalk culvert per COA STD DWG 2236.
2. Contact Storm Maintenance at (505) 857-8033 to schedule a meeting prior to forming.
3. An excavation permit will be required before beginning any work within City Right-Of-Way.
4. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
5. Two working days prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities.
6. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
7. Backfill compaction shall be according to traffic/street use.
8. Maintenance of the facility shall be the responsibility of the owner of the property being served.
9. Work on arterial streets may be required on a 24-hour basis.
10. Contractor must contact Storm Maintenance at (505) 857-8033 to schedule a construction inspection. For excavating and barricading inspections, contact Construction Coordination at (505) 924-3416.



BENCHMARKS
AGRS aluminum cap stamped "9-K10 1989"
The station is located in the southeast quadrant of the intersection of
Unser Boulevard NW and Bluewater Road NW. It is at the south end of
a median island.
Geographic Position in feet (NAD83) NGS
N.M. State Plane Coordinates (Central Zone)
N=1485817.623, E=1496430.817, C-G=0.999682230, DA=-00°16'22.01"
Elevation in feet (NAVD88) = 5117.720'

20' 10' 0 20' 40'
SCALE: 1" = 20'

GENERAL NOTES

A. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

B. ANY EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

C. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.

D. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDED OR LANDSCAPED

E. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (250-1990) FOR LOCATION OF EXISTING UTILITIES.

F. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

CONSTRUCTION NOTES

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THEREOF AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY, AND PROTECT ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE GROUP. IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

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 (CITY) ACCEPTANCE OF ANY PROJECT.

LEGEND

	SLOPE/FLOW ARROW
EL=11.25	PROPOSED ELEVATION
66.33	EXISTING ELEVATION
	GRADE BREAK
5000	EXISTING CONTOUR
5000	EXISTING CONTOUR
	PROPOSED EASEMENT
	EXISTING WALL
	PROPOSED WALL

RON E. HENSLEY NEW MEXICO 21650 LICENSED PROFESSIONAL ENGINEER
MAR. 25, 2025

THE group
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Excess Space Storage
531 Silver Creek Rd NW
Albuquerque New Mexico 87121

REV	DATE	DESCRIPTION	APVD

C-1
3/25/2025