

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

December 16, 2025

David Soule, P.E.  
Rio Grande Engineering  
PO BOX 93924  
Albuquerque, NM 87199

**RE: Discount Collision**  
**4000 2<sup>nd</sup> St NW**  
**Grading & Drainage Plan**  
**Engineer's Stamp Date: 11/20/2025**  
**Hydrology File: G14D100**  
**Case # HYDR-2025-00415**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your submittal received 11/20/2025, the Grading & Drainage Plan **is not approved** for Building Permit. The following comments need to be addressed for approval of the above referenced project.

Albuquerque

- Please correct the calculations in the table highlighted below:

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Q100	Q100
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	GENERATED	DISCHARGED
EXISTING ONSITE NATIVE	90661	2.081	100%	0.0000	0.0%	0.1216	0.0%	0.7660	0%	1.1937	2.87	2.87
EXISTING ONSITE	90661	2.081	0%	0.0000	10.0%	0.1216	58.0%	0.7660	32%	1.1937	6.23	6.23
ONSITE A	21103	0.484	0%	0.0000	10.0%	0.0484	78.0%	0.3779	12%	0.0581	1.34	0.40
ONSITE B	49375	1.133	0%	0.0000	0.0%	0.0000	26.0%	0.2947	74%	0.8388	4.09	3.08
ONSITE C	5660	0.130	0%	0.0000	5.0%	0.0065	18.0%	0.0234	77%	0.1001	0.49	0
ONSITE D	14523	0.333	0%	0.0000	20.0%	0.0667	21.0%	0.0700	59%	0.1967	1.11	1.22

NM 87103

www.cabq.gov

- Please provide the legal description of the property.

**LEGAL DESCRIPTION:**

XXXXXX  
XXXXXXXX

- Show the proposed sidewalk along 2<sup>nd</sup> Street NW.
- Please provide the Benchmark information (location, description and elevation) for the survey contour information provided.
- Please provide the FIRM Map and floodplain note with effective date.
- Show the limits of the SFHA Zone AO (1') on the plan.
- Since this site is in the Valley region, please follow Article 6-5 Valley Drainage Criteria of the DPM. The following conditions must be applied to the site:
  - Pad elevation shall be a minimum of one (1) foot above the 100 year 10-day stormwater surface elevation.
  - A permanent perimeter wall or barrier around the development is required to contain the 100 year 24 hour storm developed runoff.

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8. Provide inlet calculations, including 2x capacity (50% clogging factor) for inlets in a sump.
9. Verify if a waterblock, 0.87' high, per COA Paving Detail No. 2426, at the driveway entrance will be needed due to the SFHA Zone AO(1').
10. Add note on the plan that "No work shall be performed in the public ROW without an approved Work Order or Excavation Permit".

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](mailto: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](mailto:amontoya@cabq.gov).

Sincerely,

PO Box 1293

Anthony Montoya, Jr., P.E., CFM  
Senior Engineer, Hydrology  
Planning Department, Development Review Services

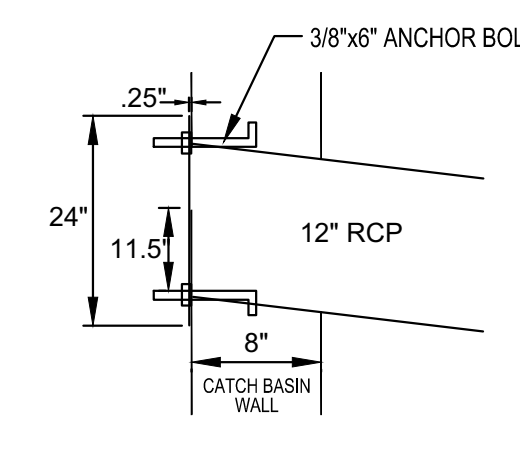
Albuquerque

NM 87103

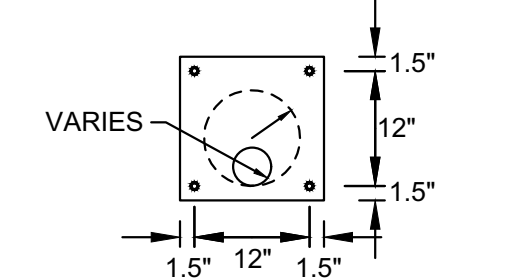
[www.cabq.gov](http://www.cabq.gov)

**KEYED NOTES**

- 1 MAINTAIN EXISTING DRAINAGE AROUND EXISTING BUILDING
- 2 EDGE OF PAVEMENT
- 3 PROPOSED 2' CONCRETE VALLEY GUTTER
- 4 INSTALL DRIVEWAY PER COS STD DWG 2426
- 5 EXISTING STORM DRAIN INLET INSTALL 8" PVC INTO INV. = 4958.00
- 6 47 LF OF 8" PVC INV. IN= 4958.25 INV. OUT= 4958.00
- 7 TYPE 'D' DROP INLET TOG= 4961.75 INV. OUT= 4958.25 INV. IN (W)= 4958.50 INV. IN (E)= 4958.50 INSTALL ORIFICE PLATE @ INV.= 4958.50 SEE DETAIL A
- 8 100 LF OF 8" PVC INV. IN= 4959.00 INV. OUT= 4958.50
- 9 TYPE 'D' DROP INLET TOG= 4961.75 INV. OUT= 4959.00
- 10 222 LF OF 8" PVC INV. IN= 4959.33 INV. OUT= 4958.50
- 11 TYPE 'D' DROP INLET TOG= 4962.50 INV. OUT= 4959.33 INSTALL ORIFICE PLATE W/3" HOLE @ INV.= 4959.75 SEE DETAIL A
- 12 DETENTION BASIN IN PARKING AREA TOP= 4962.50 BOTTOM= 4961.75 MWSEL= 4961.96
- 13 DETENTION BASIN IN PARKING AREA TOP= 4962.50 BOTTOM= 4961.75 MWSEL= 4961.96
- 14 INSTALL FLOOD WALL TOP OF WALL= 64.00 BOTTOM OF WALL= 61.33
- 15 INSTALL TRASH ENCLOSURE
- 16 INSTALL 2' CURB CUT
- 17 ASPHALT FLUSH WITH FINISH FLOOR
- 18 RETENTION POND TOP= 4962.85 BOTTOM= 4960.50 VOLUME= 955 CF
- 19 DETENTION POND / WITH WATER QUALITY VOLUME= 1074 CF TOP= 4963.25 OVERFLOW= 4962.50 BOTTOM= 4960.50 MWSEL= 4962.57
- 20 INSTALL 6" CURB AND GUTTER
- 21 INSTALL WHITE PAINTED CROSS WALK CHEVRONS
- 22 INSTALL 5' WIDE CONCRETE SIDEWALK



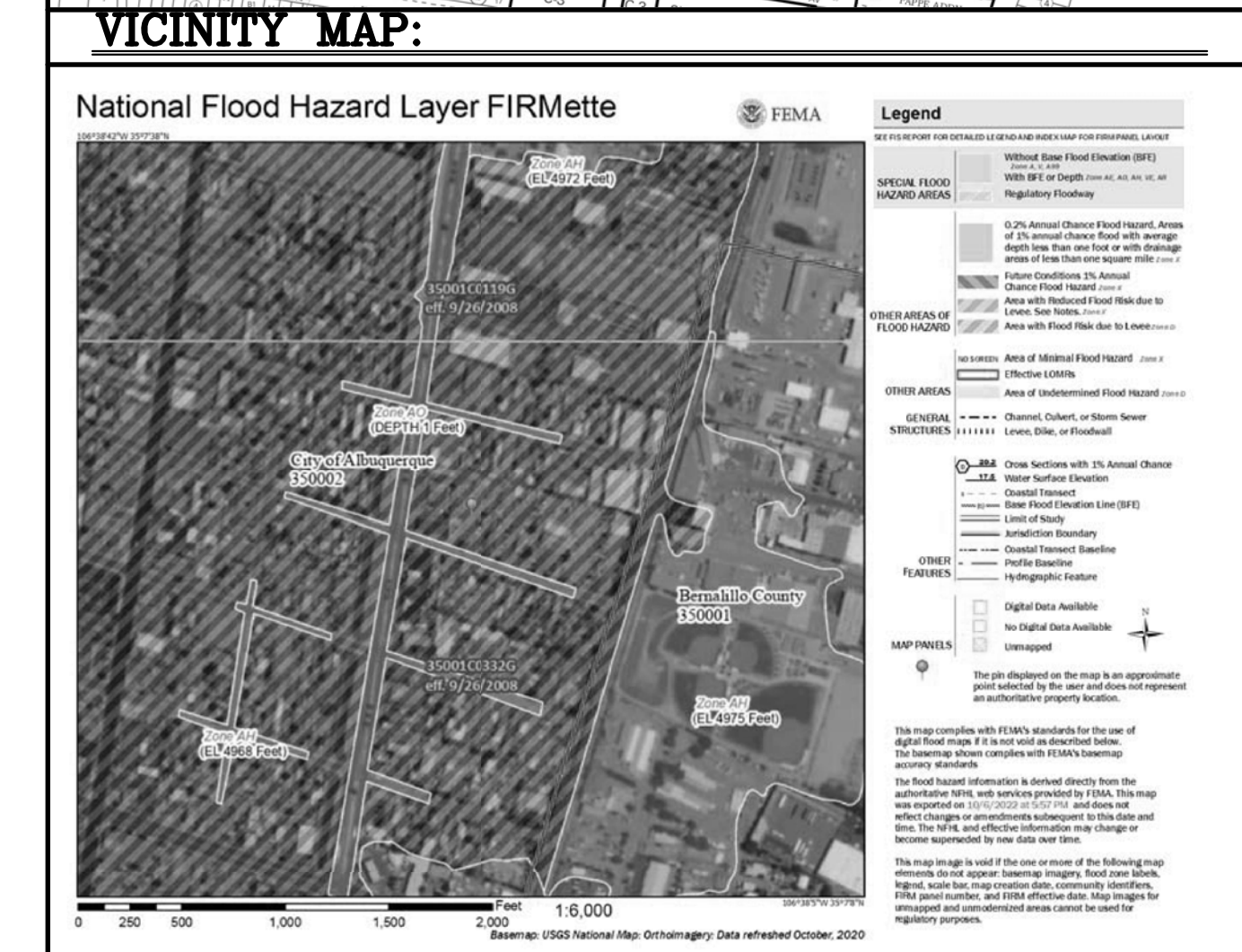
**DETAIL A NTS**  
TO BE INSTALLED @ THE OUTFLOW OF THE CATCH BASINS (SEE THIS PLAN FOR ORIFICE PLATE SIZES)



**VARIES**

**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.



**FIRM MAP:**

**LEGAL DESCRIPTION:**

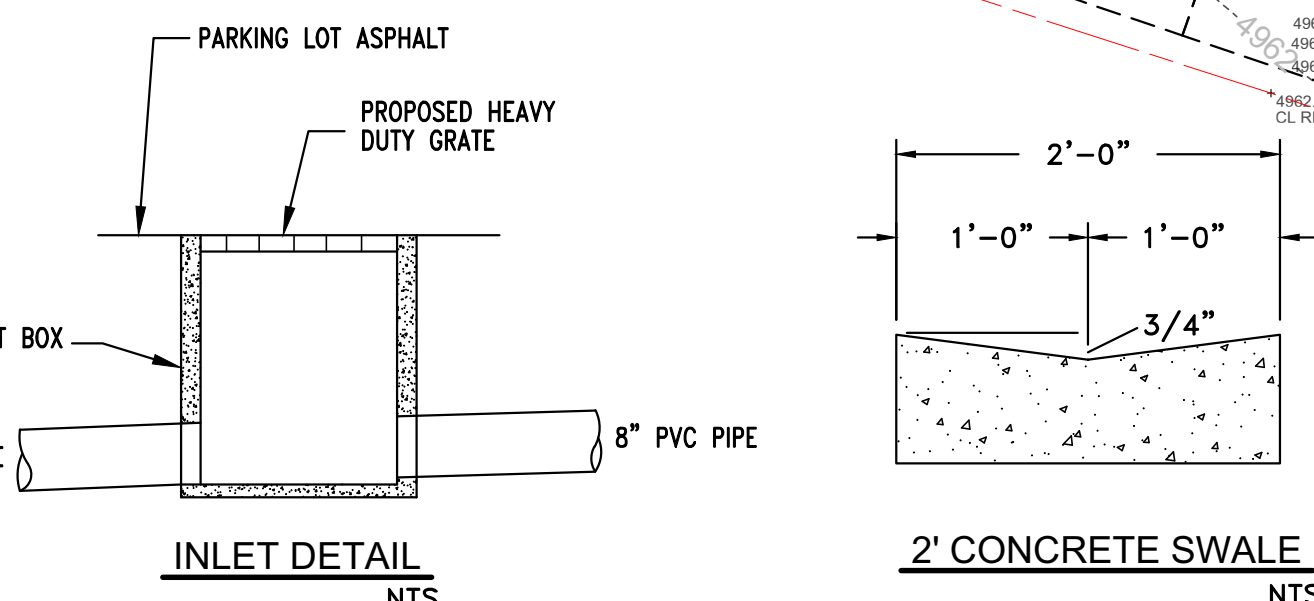
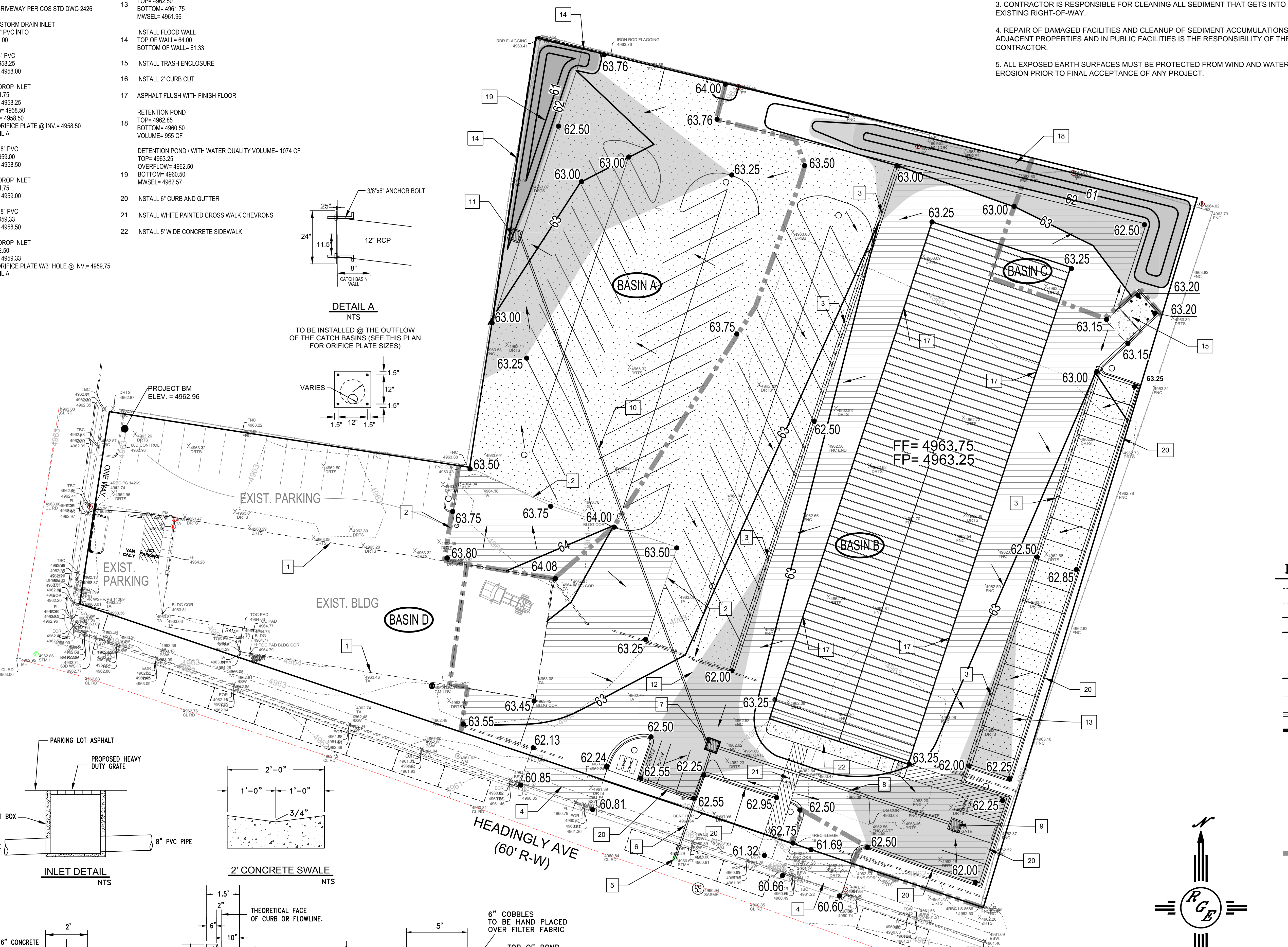
XXXXXX  
XXXXXX

**NOTES:**

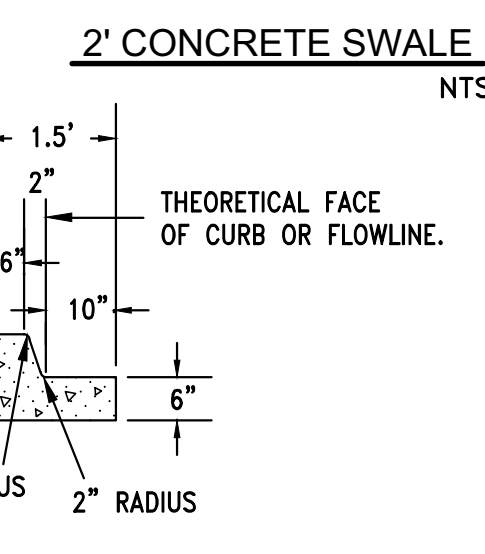
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.

**LEGEND**

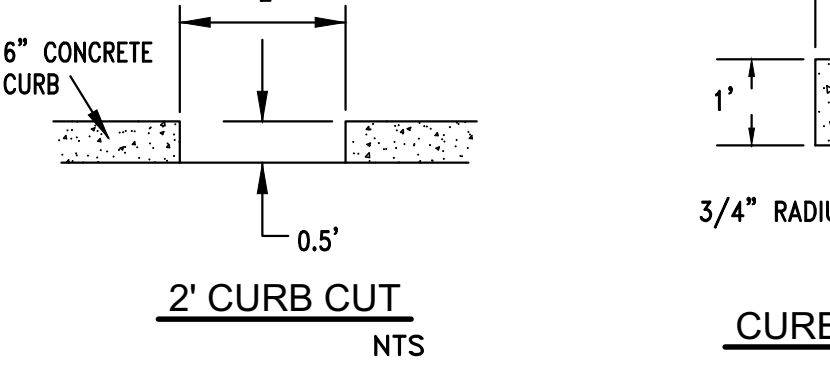
- XXXX----- EXISTING CONTOUR
- XXXX----- EXISTING INDEX CONTOUR
- XXXX----- PROPOSED CONTOUR
- XXXX----- PROPOSED INDEX CONTOUR
- + XXXX EXISTING SPOT ELEVATION
- XXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER
- PROPOSED FLOOD WALL
- PROPOSED GRAVEL
- PROPOSED CONCRETE
- PROPOSED 2' WIDE CONCRETE VALLEY GUTTER
- PROPOSED PAVEMENT
- DETENTION BASIN PONDING
- RETENTION POND
- BASIN BOUNDARY
- FLOW DIRECTION



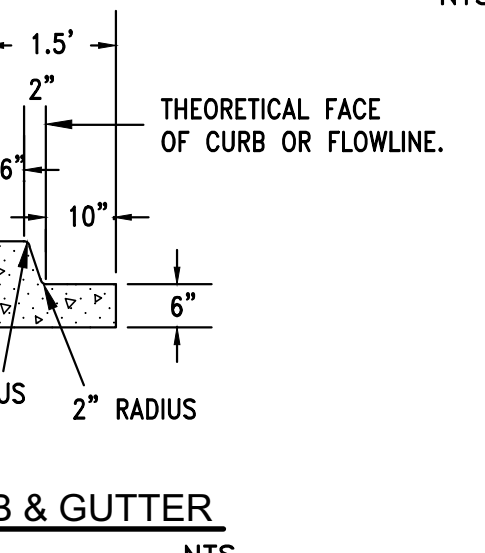
**INLET DETAIL NTS**



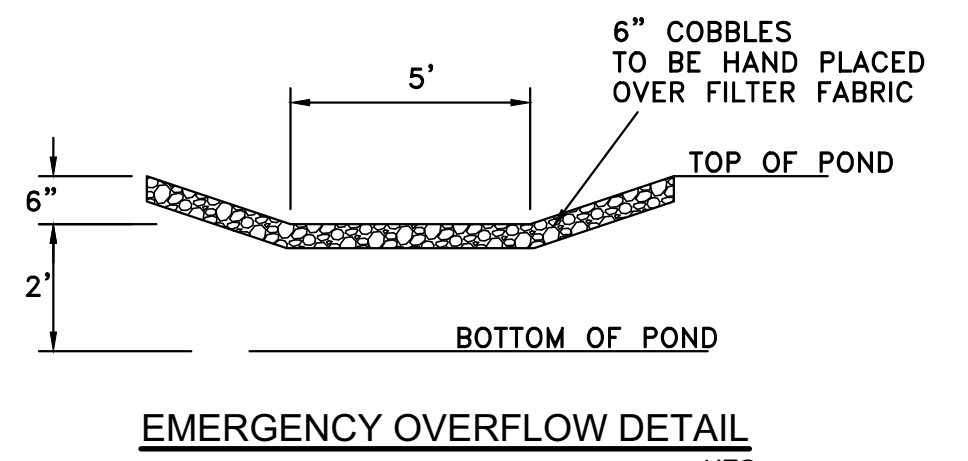
**2' CONCRETE SWALE NTS**



**2' CURB CUT NTS**

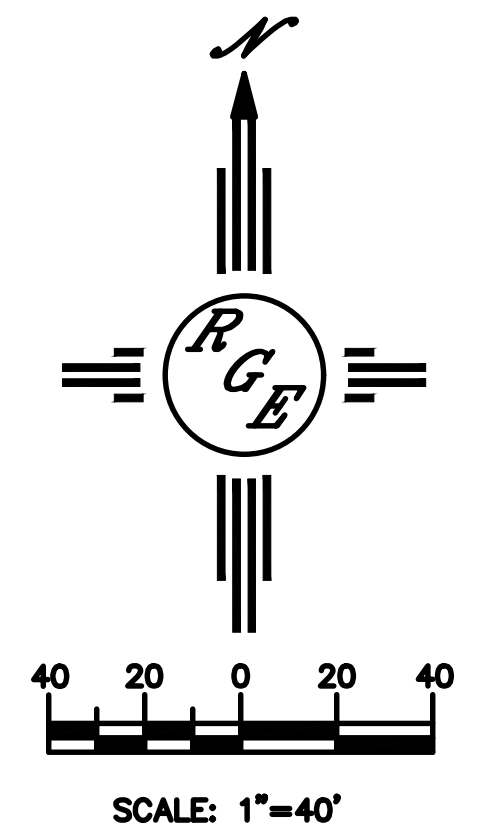


**CURB & GUTTER NTS**



**EMERGENCY OVERFLOW DETAIL NTS**

**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.



	<b>DISCOUNT COLLISION</b> 4000 2ND ST. NW <b>GRADING AND DRAINAGE PLAN</b>	DRAWN BY: DEM DATE: 11-19-25 DISCOUNT TOWING, DWG
	Rio Grande Engineering P.O. BOX 53204 ALBUQUERQUE, NM 87199 (505) 321-8099	SHEET # <b>C1</b> JOB #

# BASIN DATA

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Q100 GENERATED	Q100 DISCHARGED
			%	(acres)	%	(acres)	%	(acres)	%	(acres)		
EXISTING ONSITE NATIVE	90661	2.081	100%	0.0000	0.0%	0.1216	0.0%	0.7660	0%	1.1937	2.87	2.87
EXISTING ONSITE	90661	2.081	0%	0.0000	10.0%	0.1216	58.0%	0.7660	32%	1.1937	6.23	6.23
ONSITE A	21103	0.484	0%	0.0000	10.0%	0.0484	78.0%	0.3779	12%	0.0581	1.34	0.40
ONSITE B	49375	1.133	0%	0.0000	0.0%	0.0000	26.0%	0.2947	74%	0.8388	4.09	3.08*
ONSITE C	5660	0.130	0%	0.0000	5.0%	0.0065	18.0%	0.0234	77%	0.1001	0.49	0
ONSITE D	14523	0.333	0%	0.0000	20.0%	0.0667	21.0%	0.0700	59%	0.1967	1.11	1.22

PREDEVELOPMENT DISCHARGE TO HEADINGLY 6.23  
 POST DEVELOPMENT DISCHARGE TO HEADINGLY 3.52 \*\*

\* ROUTED A ADDED TO B

\*\* DUE TO POND ROUTING THE TOTAL DISCHARGE IS NOT SIMPLE ADDITION OF EACH BASIN DISCHARGE

FIRST FLUSH .26" PER SF IMPERVIOUS  
 1126.59 CF REQUIRED--- 2029 PROVIDED

## VOLUME CALCULATIONS

POND A

ACTUAL ELEV.	DEPTH (FT)	AREA SF	VOLUME PER UNIT	VOLUME CUMULATIVE	VOLUME AC-FT	Q (CFS)
60.50	0.00	34.00	0	0	0.000	0.00
61.00	0.00	242.00	69.00	69.00	0.002	0.00
62.50	2.75	1098.00	1005.00	1074.00	0.025	0.39
63.00	3.25	2816.00	978.50	2052.50	0.047	0.43
63.25	3.50	5324.00	1017.50	3070.00	0.070	0.44

Orifice Equation  
 $Q = CA \sqrt{2gH}$

C = 0.6  
 Diameter (in) 3 0  
 Area (ft<sup>2</sup>)= 0.049087385  
 g = 32.2  
 H (Ft) = Depth of water above center of orifice  
 Q (CFS)= Flow

## VOLUME CALCULATIONS

PARKING LOT DETENTION POND-B

ACTUAL ELEV.	DEPTH (FT)	AREA SF	VOLUME PER UNIT	VOLUME CUMULATIVE	VOLUME AC-FT	Q (CFS)
58.50	0.00	8.00	0	0	0.000	0.00
61.75	3.25	8.00	26.00	26.00	0.001	3.03
62.25	3.50	4660.00	2217.30	2243.30	0.051	3.14

OUTFALL

Orifice Equation  
 $Q = CA \sqrt{2gH}$

C = 0.6  
 Diameter (in) 8  
 Area (ft<sup>2</sup>)= 0.34906585  
 g = 32.2  
 H (Ft) = Depth of water above center of orifice  
 Q (CFS)= Flow

ENGINEER'S SEAL	<b>DISCOUNT TOWING</b> 4000 SECOND STREET	DRAWN BY DEM
	<b>CALCULATION SHEET</b>	DATE 10-10-22
		DISCOUNT TOWING.DWG
11/20/25		SHEET # C2
DAVID SOULE P.E. #14522	P.O. BOX 53304 ALBUQUERQUE, NM 87199 (505) 321-8099	JOB #