

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

January 10, 2022

Dana Peterson, P.E.
AECOM
6501 Americas Pkwy NE Suite 900
Albuquerque, NM 87107

**RE: ABCWUA Distribution Fill Soils Yard
5408 2nd St. NW
Grading and Drainage Plan
Engineer's Stamp Date: 12/07/2021
Hydrology File: F15D056**

Dear Mr. Peterson:

Based upon the information provided in your submittal received 12/7/2021, the Grading & Drainage Plan is **not** approved for Grading Permit or paving permit. The following comments need to be addressed for approval of the above referenced project:

PO Box 1293

SHEET C-2

Albuquerque

NM 87103

www.cabq.gov

1. Please clearly label proposed vs. existing. It appears the internal driveway is being constructed but please note “proposed” for each item if it is proposed and “existing” if it is existing.
2. Please provide flow line elevations along roadway.
3. Please include a legend on the plan.
4. Please provide a basin map.
 - a. This will need to include the lot to the west if drainage is going to drain to that lot in any event.
 - b. Provide 2 ft contours at least for the adjacent lot.
5. Please include the following note on the plans.
 - a. Please add a note under Grading Notes. “Side slopes need to be stabilized with Native Grass Seed (per City Spec 1012) with Aggregate Mulch or equal (Must satisfy the “Final Stabilization criteria” CGP 2.2.14.b.)”.
6. It is unclear what the badging stand is. Is it pertinent to the G&D? Is it a structure with a roof? If so where will they drain to?
7. Please provide section of the ponds.
 - a. Within the section, please provide elevations of water and elevation of the top of pond.
 - b. Please provide spillway structure detail (can be with cross section).
 - c. There is enough volume on the site to provide retention via all ponds with some small adjustments to the sites and basins.

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- d. Calling them all retention ponds they need to account for the 10-day storm. Please clarify.

	WEIGHTED	V ₃₆₀ / 6HR VOL.		V ₁₄₄₀ / 24HR VOL.		V ₄₈₀ / 4DAY VOL.		V ₁₀₈₀ / 10DAY VOL.		Q _b	YIELD	NEW DV/LP/MT SWQV= AREA _s *0.42/12	
ZONE 2	E	V ₃₆₀	V ₃₆₀ / 6HR VOL.	V ₁₄₄₀	V ₁₄₄₀ / 24HR VOL.	V ₄₈₀	V ₄₈₀ / 4DAY VOL.	V ₁₀₈₀	V ₁₀₈₀ / 10DAY VOL.	Q _b	YIELD	NEW DV/LP/MT SWQV= AREA _s *0.42/12	
BASIN NAME	INCHES	AC-FT	CF	AC-FT	CF	AC-FT	CF	AC-FT	CF	CFS	CFS/AC	AC-FT	CF
A-EXT	1.03	0.063	2748	0.063	2748	0.063	2748	0.063	2748	2.2	3.05	0.000	0
B-EXT	1.03	0.060	2624	0.060	2624	0.060	2624	0.060	2624	2.1	3.05	0.000	0
C-EXT	1.03	0.065	2834	0.065	2834	0.065	2834	0.065	2834	2.3	3.05	0.000	0
A-PROP	1.50	0.092	3993	0.098	4281	0.106	4635	0.121	5267	2.6	3.51	0.009	402
B-PROP	1.25	0.075	3270	0.080	3419	0.083	3602	0.090	3930	2.3	3.30	0.005	208
C-PROP	1.30	0.082	3582	0.086	3755	0.091	3968	0.100	4348	2.5	3.32	0.006	242
SUM EXT:		0.188	8207	0.188	8207	0.188	8207	0.188	8207	6.7		0.000	0
SUM PROP:		0.249	10845	0.263	11454	0.280	12205	0.311	13545	7.4		0.020	852

Pond A 100-yr, 10-day volume, per DPM Sec.6-11(A)(2)1

Req'd Volume: 5267 CF

Description	Pond Depth Ft	Elevation Ft	Surface Area Sq Ft	Net Volume CF	Cumul. Volume CF
bottom of pond:	0	4974	1608	0	0
	1	4975	4053	2831	2831
top of pond:	2	4976	7269	5661	8492

Pond B 1/2 of the 100-yr, 24-hr volume, per DPM Sec.6-11(A)(2)2b

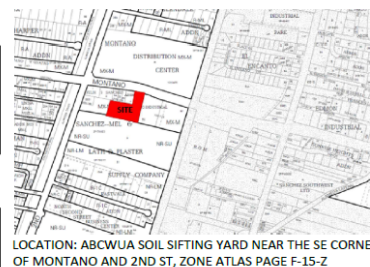
Req'd Volume: 1709 CF

Description	Pond Depth Ft	Elevation Ft	Surface Area Sq Ft	Net Volume CF	Cumul. Volume CF
bottom of pond:	0	4973	330	0	0
	1	4974	1337	834	834
	2	4975	2535	1936	2770
top of pond:	3	4976	4041	3288	6058

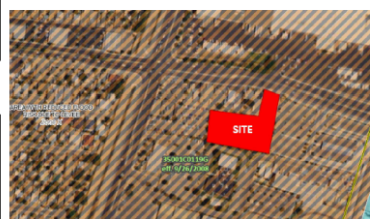
Pond C 1/2 of the 100-yr, 24-hr volume, per DPM Sec.6-11(A)(2)2b

Req'd Volume: 1877 CF

Description	Pond Depth Ft	Elevation Ft	Surface Area Sq Ft	Net Volume CF	Cumul. Volume CF
bottom of pond:	0	4973	79	0	0
	1	4974	303	191	191
	2	4975	1302	803	994
top of pond:	3	4976	2938	2120	3114



LOCATION: ABCWUA SOIL SIFTING YARD NEAR THE SE CORNER OF MONTANO AND 2ND ST, ZONE ATLAS PAGE F-15-Z



FLOODPLAIN: THIS PROJECT IS NOT IN A SPECIAL FLOOD HAZARD AREA, PER FEMA FIRM PANEL 35001C0119G, EFFECTIVE DATE 9/26/2008

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a.

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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, 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3965 or dggutierrez@cabq.gov

Sincerely,

David G. Gutierrez, P.E.
Senior Engineer, Hydrology
Planning Departmen



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

TYPE OF SUBMITTAL: _____ PLAT (____# OF LOTS) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ OTHER (SPECIFY) _____
- _____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

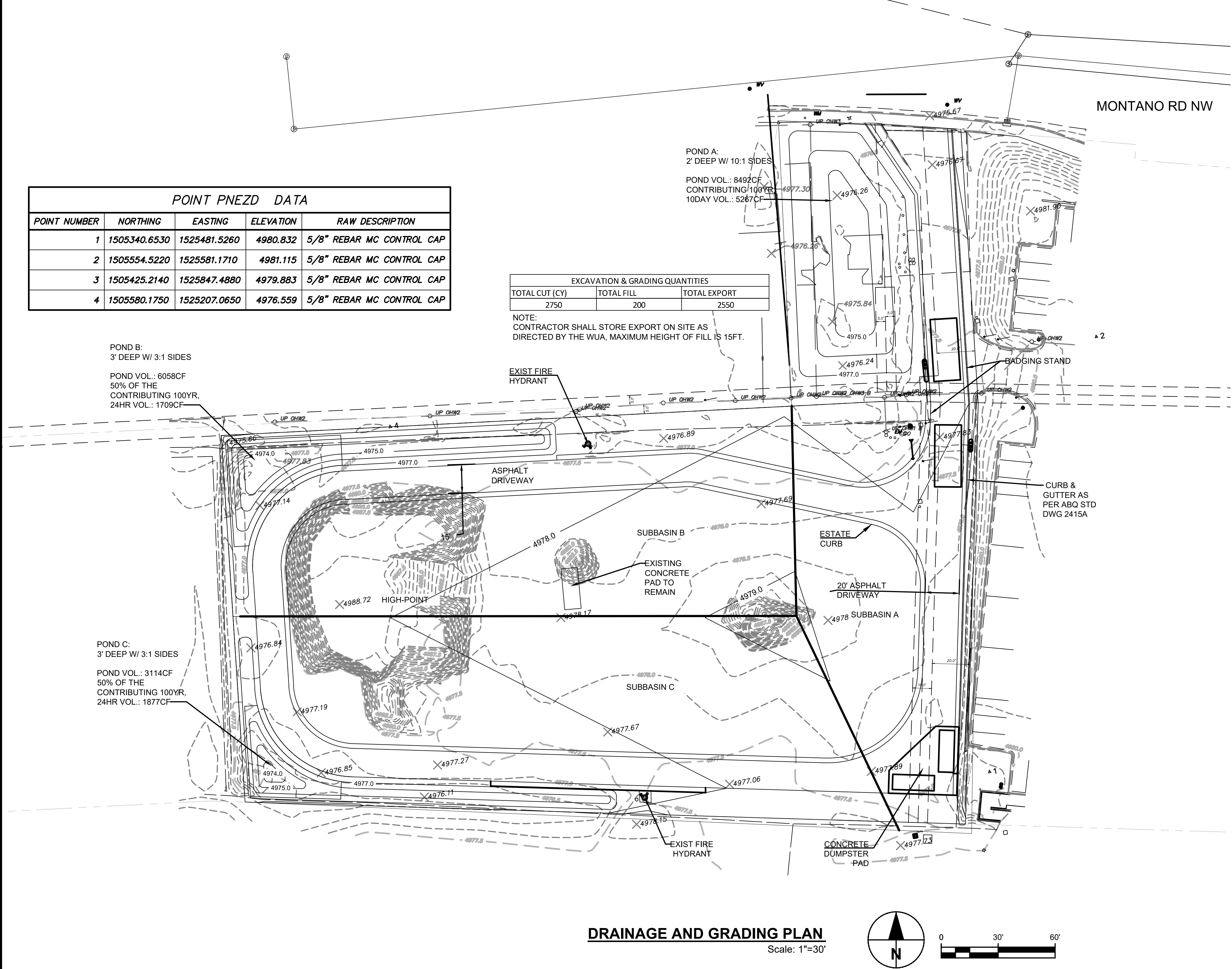
- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY
- _____ PRELIMINARY PLAT APPROVAL
- _____ SITE PLAN FOR SUB'D APPROVAL
- _____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- _____ FOUNDATION PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ SO-19 APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ GRADING/ PAD CERTIFICATION
- _____ WORK ORDER APPROVAL
- _____ CLOMR/LOMR
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



POINT PNEZD DATA				
POINT NUMBER	NORTHING	EASTING	ELEVATION	RAW DESCRIPTION
1	1505340.6530	1525481.5260	4980.832	5/8" REBAR MC CONTROL CAP
2	1505554.5220	1525581.1710	4981.115	5/8" REBAR MC CONTROL CAP
3	1505425.2140	1525847.4880	4979.883	5/8" REBAR MC CONTROL CAP
4	1505580.1750	1525207.0650	4976.559	5/8" REBAR MC CONTROL CAP

EXCAVATION & GRADING QUANTITIES		
TOTAL CUT (CY)	TOTAL FILL	TOTAL EXPORT
2750	200	2550
NOTE: CONTRACTOR SHALL STORE EXPORT ON SITE AS DIRECTED BY THE WUA, MAXIMUM HEIGHT OF FILL IS 15FT.		

SITE ADDRESS: 5408 2ND ST NW ALBUQUERQUE NM 87107
LEGAL DESCRIPTION: TR A PLAT OF MONTANO INDUSTRIAL SUBD BEING COMPRISED OF A POR OF LTS 4 THRU 9 FELIX S SANCHEZ ADDN & MRGCD TR 66B1B & 66B2 CONT 3.4600 AC
OWNER: ALBUQUERQUE BERNALILLO COUNTY WATER
UTILITY AUTHORITY
IDO ZONE DISTRICT: MX-M

PROJECT DESCRIPTION: THE PURPOSE OF THIS PROJECT IS TO PAVE AN ACCESS AND PERIMETER DRIVE FOR THE SIFTING YARD. THE SIFTING YARD (SITE) IS ON THE EAST HALF OF THE PROPERTY; THE WEST HALF IS USED BY THE CITY OF ALBUQUERQUE AS AN IMPOUND LOT AND IS NOT AFFECTED BY THIS PROJECT.

EXISTING DRAINAGE PATTERNS:
THE SURROUNDING AREA IS FLAT WITH NO DISCERNABLE OFFSITE FLOWS. THE MONTANO TRANSIT CENTER TO THE EAST IS ELEVATED BUT DRAINS TO INTERNAL PONDS (F15D032). WITHIN THE SITE, THE SIFTING YARD HAS A GENTLE SLOPE TOWARD THE IMPOUND LOT, WHICH THEN DISCHARGES OUT TO 2ND ST. THE DRIVE ACCESS FROM MONTANO DRAINS TO MONTANO.

PROPOSED DRAINAGE PATTERNS:
THE MONTANO DRIVE ACCESS AND EAST PORTION OF THE SIFTING YARD (SUBBASIN A) WILL DRAIN TO POND A, SIZED FOR FULL RETENTION PER THE DPM SEC.6-11(A)(2)1

THE NORTH HALF OF THE SIFTING YARD (SUBBASIN B) WILL DRAIN TO POND B , SIZED FOR ½ HALF OF THE 100YR, 24HR STORM, PER THE DPM SEC.6-11(A)(2)2B; THE IMPOUND LOT BEING TREATED AS AN ADJOINING PROPERTY WITH THE POND OVERFLOWING THRU THE METAL FENCE TO THE WEST.

THE SOUTH HALF OF THE SIFTING YARD (SUBBASIN C) WILL DRAIN TO POND C , SIZED FOR ½ HALF OF THE 100YR, 24HR STORM, PER THE DPM SEC.6-11(A)(2)2B; THE IMPOUND LOT BEING TREATED AS AN ADJOINING PROPERTY WITH THE POND OVERFLOWING THRU THE METAL FENCE TO THE WEST.

STORM WATER QUALITY: THE SWQV WILL BE CAPTURED AND RETAINED ONSITE IN THE RETENTION PONDS.

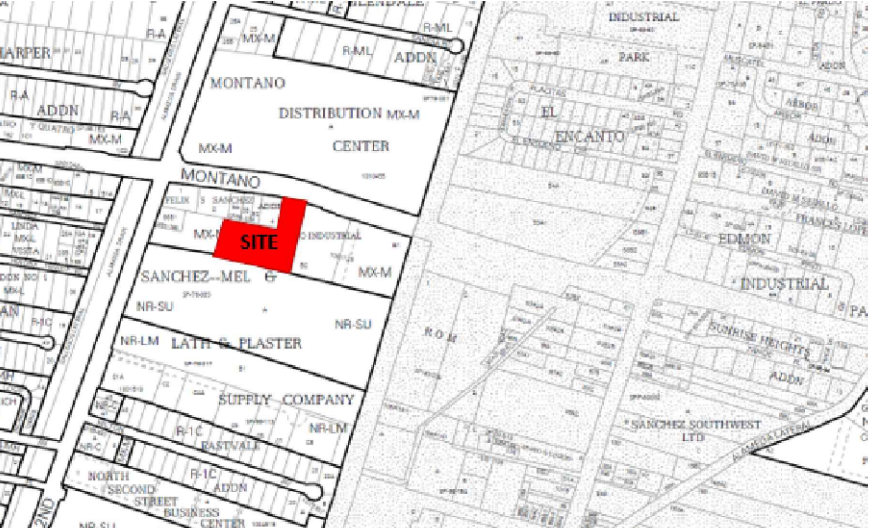
BASIN NAME	ZONE	BASIN SIZE		LAND TREATMENT PERCENT BY TYPE				LAND TREATMENT BY AREA (ACRES)				AREA CHECK ACRES
		SF	ACRES	A	B	C	D	A	B	C	D	
A-EXT	2	32020	0.74	0%	0%	100%	0%	0	0	0.74	0.00	0.735
B-EXT	2	30576	0.70	0%	0%	100%	0%	0	0	0.70	0.00	0.702
C-EXT	2	33014	0.76	0%	0%	100%	0%	0	0	0.76	0.00	0.758
A-PROP	2	32020	0.74	0%	0%	64%	36%	0	0	0.47	0.26	0.735
B-PROP	2	30576	0.70	0%	0%	81%	19%	0	0	0.57	0.14	0.702
C-PROP	2	33014	0.76	0%	0%	79%	21%	0	0	0.60	0.16	0.758

ZONE 2	WEIGHTED E	V ₃₆₀ / 6HR VOL.		V ₁₄₄₀ / 24HR VOL.		V ₄₈₀ / 4DAY VOL.		V ₁₀₈₀ / 10DAY VOL.		Q _p	YIELD	NEW DVLPMT SWQV= AREA ₀ *0.42/12	
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Pond A		100-yr, 10-day volume, per DPM Sec.6-11(A)(2)1			
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FLOODPLAIN: THIS PROJECT IS NOT IN A SPECIAL FLOOD HAZARD AREA, PER FEMA FIRM PANEL 35001C0119G, EFFECTIVE DATE 9/26/2008

NO.

DATE

REVISION NO. & DESCRIPTION

BY

SCALE:

AS INDICATED

ATTENTION

0 1/2" 1"

GRAPHIC SCALE

THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)

DESIGN TRACKING

DESIGNED BY: SM

DATE: NOV. 2021

DRAWN BY: GH

DATE: NOV. 2021

CHECKED BY: SM

DATE: NOV. 2021

CROSS CHK'D BY: -

DATE: -

APPROVED BY: -

DATE: -

MAPS/RECORDS INFO.

-

AECOM

Delivering a better world

One Park Square, 6501 Americas Pkwy NE, Suite 900 Albuquerque, New Mexico 87110 (505)-855-7500

AS BUILT INFORMATION

CONTRACTOR -

WORK STAKED BY -

DATE -

INSPECTOR'S ACCEPTANCE BY -

INSPECTOR'S NAME -

FIELD VERIFICATION BY -

DATE -

DRAWINGS CORRECTED BY -

DATE -

ENGINEER'S SEAL

ALVIN S. MEDINA

NEW MEXICO

16454

12/7/21

REGISTERED PROFESSIONAL ENGINEER

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

TITLE: ROADWAY FOR DISTRIBUTION FILL SOILS YARD

DRAINAGE AND GRADING PLAN

WATER AUTHORITY CONSTRUCTION PROJECT NO. 2323.047yy

ZONE MAP NO.

SHEET C-2

2309.013

FOR CONSTRUCTION

FILE PATH: L:\Secure_DCS\Projects\TECHNOLOGY\ABCWUA 2020 On-Call 2309.xxx\WUA 2309.013 Restroom Facility for Distribution Fill Soil Yard\900-CAD-GIS\910-CAD_BIM\20-SHEETS\CIVIL\C-2.dwg

LT: S-1 Date: SEPT.-2021