

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

February 22, 2021

Alvin S. Medina, P.E.
AECOM
6501 Americas Parkway NE, Suite 900
Albuquerque, NM 87110

**RE: ABCWUA GW & Field Dist. Sheds
1441 Mission Ave NE
Grading and Drainage Plan
Engineer's Stamp Date: 02/12/21
Hydrology File: F16D014C**

Dear Mr. Medina:

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

Based upon the information provided in your submittal received 02/12/2021, the Grading and Drainage Plan is 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. Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be 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, 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: ABCWUA GW & Field Dist. Sheels **Building Permit #:** 2021-04084 **Hydrology File #:** F16D014C_
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: TR A PLAT OF TRACT A CITY OF ALBUQUERQUE WATERTREATMENT FACILITY
City Address: 1441 Mission Ave NE

Applicant: AECOM **Contact:** Dana Peterson
Address: 6501 Americas Pkwy NE Suite 900 Albuquerque, NM 87110
Phone#: 607-972-3710 **Fax#:** _____ **E-mail:** dana.peterson1@aecom.com

Other Contact: ABCWUA **Contact:** Stan Alred
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) _____ RESIDENCE _____ DRB SITE ☒ ADMIN SITE

IS THIS A RESUBMITTAL? _____ Yes ☒ No

DEPARTMENT _____ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

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

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

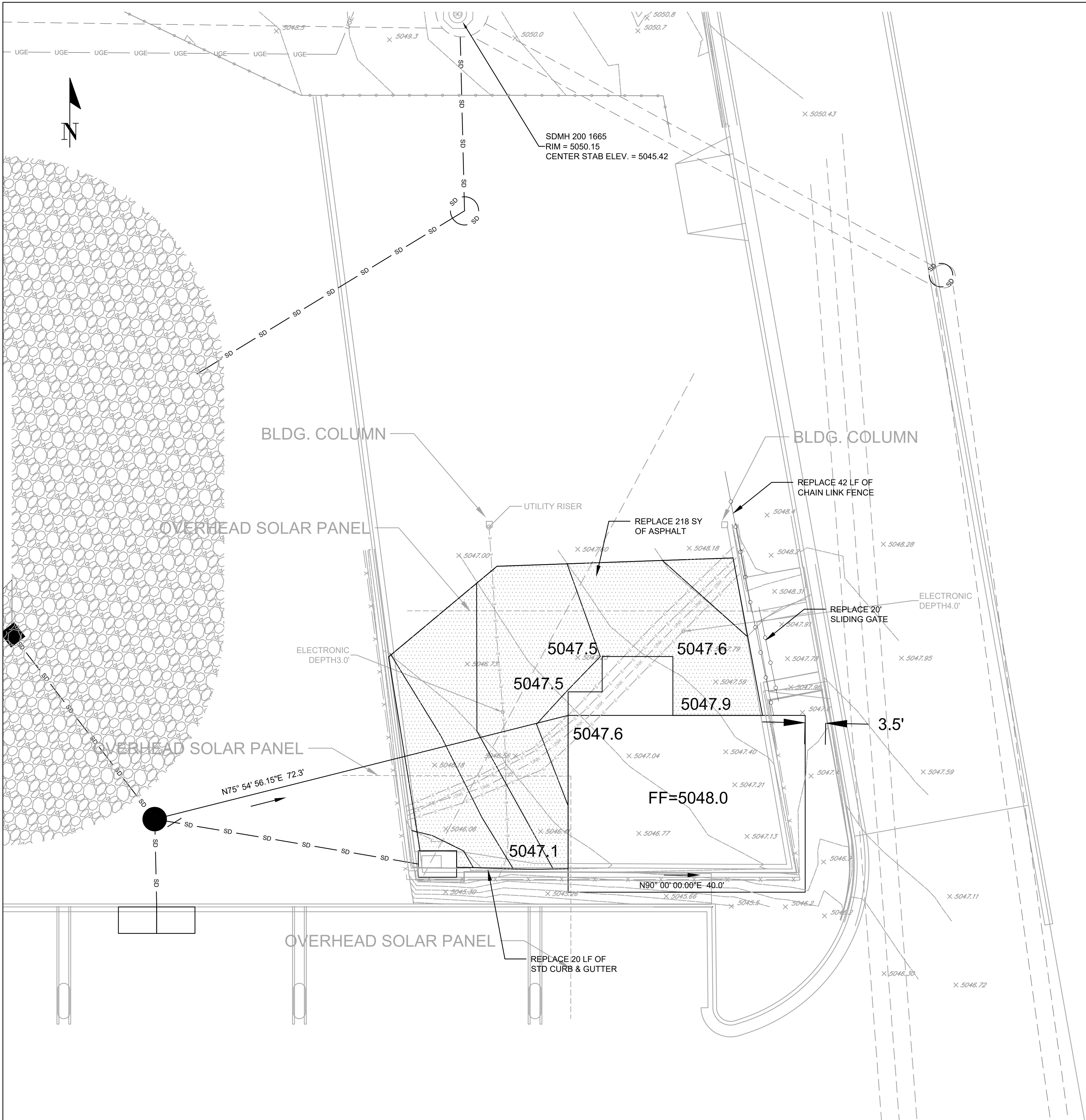
- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ SITE PLAN FOR SUB'D APPROVAL
- ☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ SO-19 APPROVAL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

DATE SUBMITTED: 2/12/2021 **By:** Dana Peterson

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



GENERAL NOTES

1. CONTRACTOR SHALL SALVAGE BASE COARSE MATERIAL AND UTILIZED MATERIAL FOR GRADING.
2. HEADER CURB SHALL BE BUILT AS PER ABQ STD DWG 2415B.
3. NEW ASPHALT SHALL BE BUILT AS PER ABQ STD DWG 2485 WITH 2" THICK SP-III SURFACE COARSE.

DRAINAGE NOTES

1. THE PURPOSE OF THIS GRADING PLAN IS TO INCLUDE NEW SHEDS FOR THE WUA CUSTOMER SERVICE AND OPERATIONS FACILITY (ENGR'S STAMP DATE: 7/8/2019, F16D014C).
2. BUILDING 1 (SHEET C1) IS PROPOSED OVER A NEW (BUILT UNDER THE MASTER GRADING AND DRAINAGE PLAN- F16D014C) PARKING AREA. A PORTION OF THE NEW ASPHALT PARKING LOT WILL BE REMOVED, THE FOUNDATION PLACED, AND THE ASPHALT REPLACED TO DRAIN AWAY FROM THE BUILDING. THIS IMPERVIOUS AREA HAS ALREADY BEEN ACCOUNTED FOR IN THE APPROVED G&D PLAN.
3. THIS REVISED AREA IS WITHIN BASIN "FLEET LOT" FROM THE APPROVED DRAINAGE REPORT (PG. 7 & ATTACHMENT H)
4. DISCHARGE VOLUMES, PEAK FLOWS, AND SWQV'S WILL REMAIN UNCHANGED WITH THE ADDITION OF BUILDING 1:

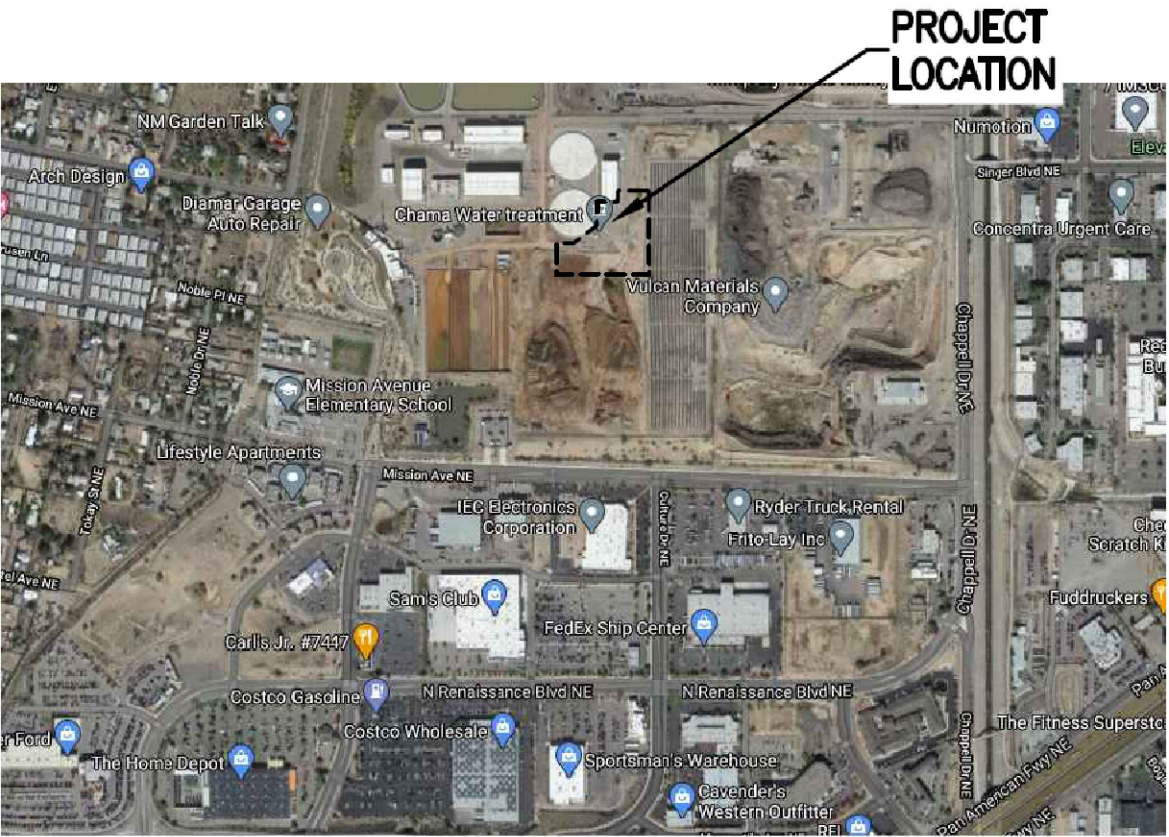
ZONE	DEPTH (INCHES) AT 100-YEAR STORM					EXCESS PRECIPITATION, E (INCHES) - 6 HOUR STORM					PEAK DISCHARGE (CFS/ACRE)				
	P ₆₀ MIN	P ₃₆₀ MIN	P ₁₄₄₀ MIN	P _{4DAY}	P _{10DAY}	A	B	C	D		A	B	C	D	
2	1.78	2.29	2.59	2.96	3.62	0.62	0.8	1.03	2.33		1.71	2.36	3.05	4.34	

BASIN NAME	ZONE	BASIN SIZE		LAND TREATMENT PERCENT BY TYPE				LAND TREATMENT BY AREA (ACRES)				AREA CHK	
		SF	ACRES	A	B	C	D	A	B	C	D	ACRES	ACRES
Prev. Approved "Fleet Lot"	2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550	
Revised "Fleet Lot"	2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550	

ZONE 2	WEIGHTED E	V ₃₆₀ / 6HR VOL.	V ₁₄₄₀ / 24HR VOL.	V _{4d} / 4DAY VOL.	V _{10d} / 10DAY VOL.	Q _p	YIELD	NEW DVLPM'T 1ST FLUSH VOL.	
BASIN NAME	INCHES	AC-FT	CF	AC-FT	CF	AC-FT	CF	AC-FT	CF
Prev. Approved "Fleet Lot"	2.06	1.98	86269	2.21	96211	2.49	108474	2.99	130347
Revised "Fleet Lot"	2.06	1.98	86269	2.21	96211	2.49	108474	2.99	130347

New Impervious: Bldg 1 Area
None

6. THIS AREA DISCHARGES TO "NORTH DETENTION POND" (PG. 6 OF THE APPROVED DRAINAGE REPORT) WHICH HAS A CAPACITY OF 5.1 AC-FT. THIS POND CURRENTLY RECEIVES 2.99 AC-FT FROM ALL SOURCES; THE PROPOSED WORK WILL NOT INCREASE THIS VOLUME.
7. SWQV FOR THE EXISTING PARKING AREA IS ALSO CONTAINED IN "NORTH DETENTION POND". WHICH IS CURRENTLY A RETENTION POND OVERSIZED FOR THE 100-YR, 10-DAY VOLUME WITH EMERGENCY OVERFLOW (48" RCP). THE SWQV OF WILL CONTINUE TO BE RETAINED IN THIS POND.



LOCATION MAP
NO SCALE

ZONE ATLAS MAP NO. P-13-Z
CHAMA WATER TREATMENT PLANT
1441 MISSION AVE. ALBUQUERQUE, NM 87123



FEMA FLOODPLAIN INFORMATION
NO SCALE

THIS PROJECT IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA, PER FEMA FIRM 350010C0138H, EFFECTIVE



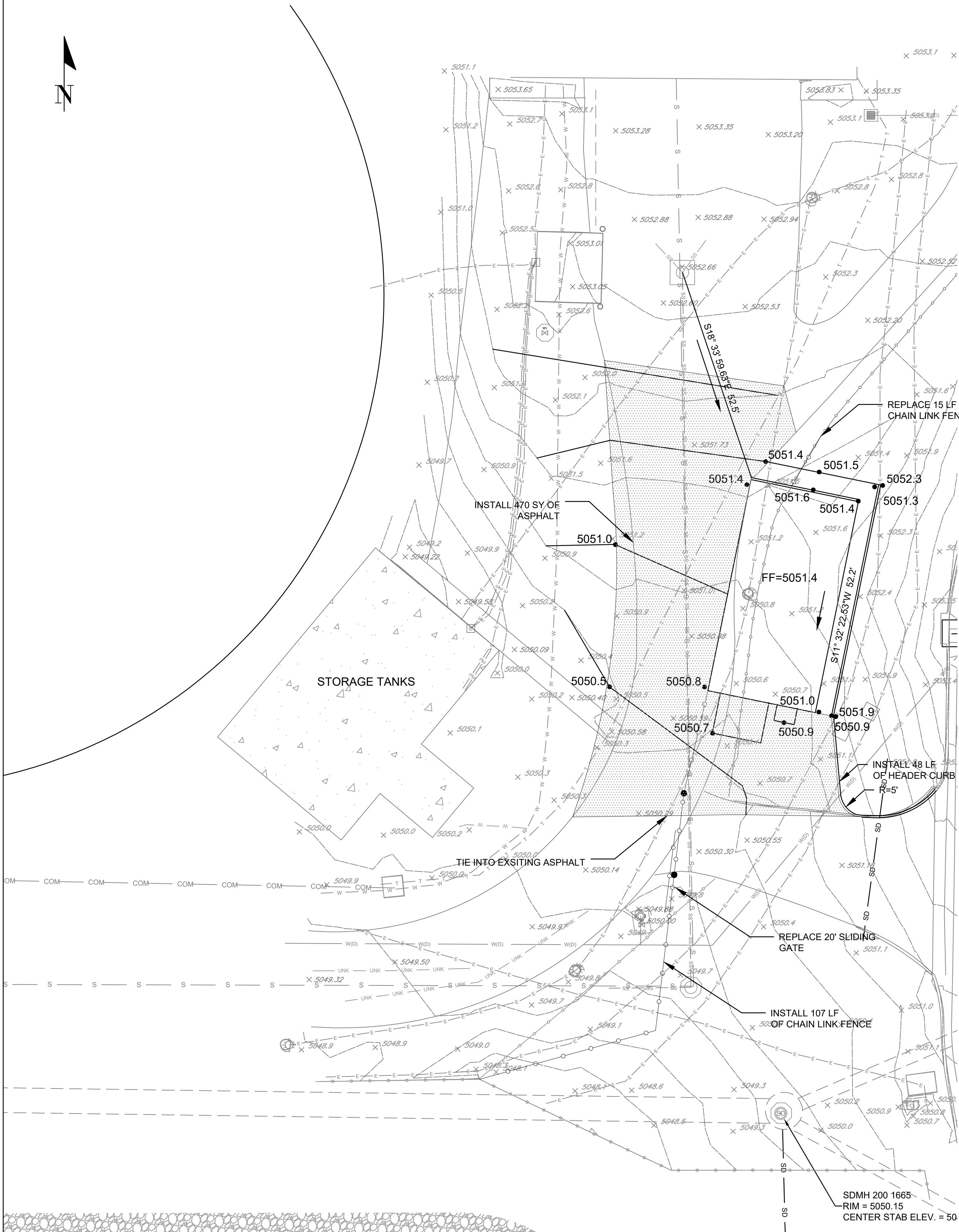
NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING		
-	-	-	-	NONE	DESIGNED BY: AJ	DATE: JAN. 2021	
-	-	-	-	ATTENTION	DRAWN BY: GH	DATE: JAN. 2021	
-	-	-	-	0 1/2" 1"	CHECKED BY: REH	DATE: JAN. 2021	
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: -	DATE: -	
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: -	DATE: -	
-	-	-	-		MAPS/RECORDS INFO.		



Imagine it.
Delivered.

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

AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
CONTRACTOR	-		TITLE: GROUND WATER & FIELD DISTRIBUTION SHED		
WORK STAKED BY	-	DATE -	BUILDING 1 SITE IMPROVEMENT PLAN		
INSPECTOR'S ACCEPTANCE BY	-	DATE -	WATER AUTHORITY CONSTRUCTION PROJECT NO. 2321.024YY		
INSPECTOR'S NAME	-		ZONE MAP NO.		SHEET C-1
FIELD VERIFICATION BY	-	DATE -			
DRAWINGS CORRECTED BY	-	DATE -			



GENERAL NOTES

- 1. CONTRACTOR SHALL SALVAGE BASE COARSE MATERIAL FROM DEMOLITION OF ASPHALT. SALVAGED BASE COARSE SHALL BE UTILIZED FROM FILL MATERIAL FOR NEW ASPHALT ELEVATIONS.
- 2. CONTRACT SHALL PROTECT EXISTING STORAGE TANK DURING CONSTRUCTION.
- 3. HEADER CURB SHALL BE BUILT AS PER ABQ STD DWG 2415B.
- 4. NEW ASPHALT SHALL BE BUILT AS PER ABQ STD DWG 2465 WITH 2" THICK SP-III SURFACE COARSE.

DRAINAGE NOTES

- 1. THE PURPOSE OF THIS GRADING PLAN IS TO INCLUDE NEW SHEDS FOR THE WUA CUSTOMER SERVICE AND OPERATIONS FACILITY (ENGR'S STAMP DATE: 7/8/2019, F16D014C).
- 2. BUILDING 2 (SHEET C2) IS PROPOSED OVER AN UNUSED DIRT AREA AND GRAVEL SLOPE (BUILT UNDER THE MASTER GRADING AND DRAINAGE PLAN- F16D014C). A NEW FOUNDATION (1389SF) AND NEW ASPHALT PARKING LOT (4230SF) WILL BE CONSTRUCTED TO DRAIN AWAY FROM THE NEW BUILDING.
- 4. THIS REVISED AREA IS WITHIN BASIN "WTP SITE" FROM THE APPROVED DRAINAGE REPORT (PG. 7 & ATTACHMENT H)
- 5. THE NEW IMPERVIOUS AREA WILL INCREASE THE DISCHARGE BY 0.17CFS, VOLUME BY 0.03 AC-FT, AND SWQV BY 159CF (PRE-2020 DPM STANDARD):

ZONE	DEPTH (INCHES) AT 100-YEAR STORM					EXCESS PRECIPITATION, E (INCHES) - 6 HOUR STORM				PEAK DISCHARGE (CFS/ACRE)			
	P ₆₀ MIN	P ₃₆₀ MIN	P ₁₄₄₀ MIN	P ₂₄ DAY	P ₁₀ DAY	A	B	C	D	A	B	C	D
2	1.78	2.29	2.59	2.96	3.62	0.62	0.8	1.03	2.33	1.71	2.36	3.05	4.34

BASIN NAME	ZONE	BASIN SIZE		LAND TREATMENT PERCENT BY TYPE				LAND TREATMENT BY AREA (ACRES)				AREA CHK	
		SF	ACRES	A	B	C	D	A	B	C	D	ACRES	ACRES
Prev. Approved "Fleet Lot"		2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550
Revised "Fleet Lot"		2	503307	11.55	0%	0%	21%	79%	0	0	2.42	9.13	11.550

ZONE 2	WEIGHTED E	V ₃₆₀ / 6HR VOL.	V ₁₄₄₀ / 24HR VOL.	V ₂₄ / 4DAY VOL.	V ₁₀₀ / 10DAY VOL.	Q _p	YIELD	NEW DVLPMT 1ST FLUSH VOL.	
BASIN NAME	INCHES	AC-FT	CF	AC-FT	CF	AC-FT	CF	AC-FT	CF
Prev. Approved "WTP Site"	1.45	5.31	231189	5.66	246652	6.10	265724	6.88	299745
Revised "WTP Site"	1.45	5.32	231796	5.68	247401	6.12	266646	6.91	300975

Increases:		0.03	0.17	159.2
New Impervious: Bldg 2 Area				
Bldg 2 Foundation:	1389	sf		
Asphalt:	4230	sf		
Sum:	5619	sf	0.13	ac

- 6. THIS AREA DISCHARGES TO "WEST DETENTION POND" (PG. 6 OF THE APPROVED DRAINAGE REPORT) WHICH HAS A CAPACITY OF 28.0-AC-FT. THIS POND CURRENTLY RECEIVES 15.29 AC-FT FROM ALL SOURCES; THE ADDITIONAL RUNOFF WILL INCREASE THIS VOLUME TO 15.32 AC-FT. THE POND HAS ADEQUATE CAPACITY TO ACCEPT THE INCREASED RUNOFF.
- 7. SWQV FOR THE INCREASED IMPERVIOUS IS ALSO CONTAINED IN "WEST DETENTION POND", WHICH IS CURRENTLY A RETENTION POND OVERSIZED FOR THE 100-YR, 10-DAY VOLUME. THE INCREASED SWQV OF 159CF WILL BE RETAINED IN THIS POND.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 02/22/21
BY: *Renée E. Brissett*
HydroTeam # F16D014C
THE APPROVAL OF THIS PLAN AND REPORT SHALL NOT BE
CONSIDERED TO PERMIT VIOLATIONS OF ANY CITY
ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT
THE CITY OF ALBUQUERQUE FROM REQUIRING
CORRECTIONS OR MODIFICATIONS TO THE PLAN.
APPROPRIATE AND NECESSARY CHANGES TO THE PLAN
SHALL NOT BE CHARGED, MODIFIED OR ALTERED WITHOUT
NOTIFICATION.

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	
—	—	—	—	NONE	DESIGNED BY: AJ	DATE: JAN. 2021
—	—	—	—	ATTENTION	DRAWN BY: GH	DATE: JAN. 2021
—	—	—	—	0 1/2" 1"	CHECKED BY: REH	DATE: JAN. 2021
—	—	—	—		CROSS CHK'D BY: —	DATE: —
—	—	—	—	GRAPHIC SCALE	APPROVED BY: —	DATE: —
—	—	—	—	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	MAPS/RECORDS INFO.	
—	—	—	—			

AECOM Imagine it. Delivered.
One Park Square, 6501 Americas Pkwy NE,
Suite 900 Albuquerque, New Mexico 87110
(505)–855–7500

AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY	
CONTRACTOR	—		TITLE: GROUND WATER & FIELD DISTRIBUTION SHED	
WORK STAKED BY	—		BUILDING 2 SITE IMPROVEMENT PLAN	
INSPECTOR'S ACCEPTANCE BY	—		WATER AUTHORITY CONSTRUCTION PROJECT NO. 2321.024YY	
INSPECTOR'S NAME	—		ZONE MAP NO.	
FIELD VERIFICATION BY	—		SHEET C-2	
DRAWINGS CORRECTED BY	—			