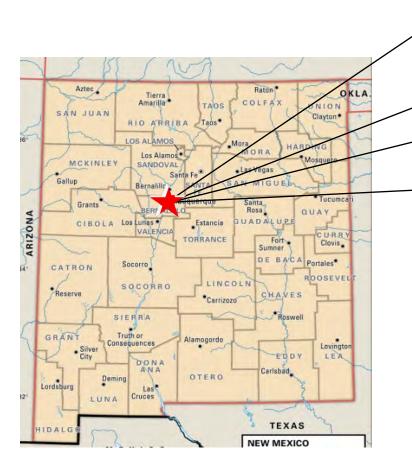
ABB ABQ Expansion

6625 Blue Water Road NW, Albuquerque, NM 87121 TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

	PAGE INDEX					
1	TITLE PAGE					
2	SWPPP INFO & NOTES					
3	DETAILS					
4 - 7	TEMPORARY EROSION					
4 - 7	CONTROL PLAN					
8	SCHEDULE & SWPPP TEAM					

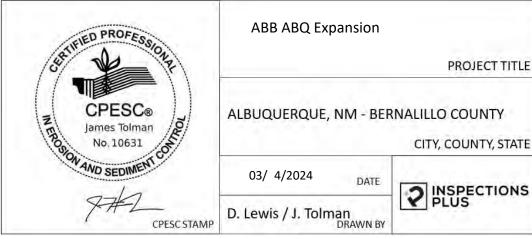


Page 1 of 8



GPS COORDINATES:

35.086904 -106.714446



STORMWATER POLLUTION PREVENTION PLAN INFORMATION

PERMIT NUMBER: NMR

NMR100000 STATE OF NEW MEXICO, EXCEPT INDIAN COUNTRY NMR101000 INDIAN COUNTRY WITHIN THE STATE OF NEW MEXICO, EXCEPT NAVAJO RESERVATION LANDS THAT ARE COVERED UNDER ARIZONA PERMIT AZR101000 AND UTE MOUNTAIN RESERVATION LANDS THAT ARE COVERED UNDER COLORADO PERMIT COR101000.

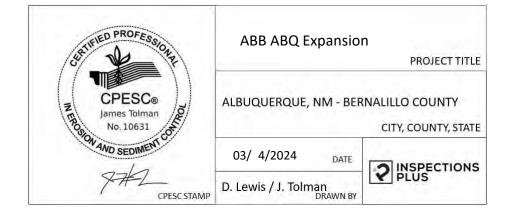
OPERATOR NAME: David	E. Harvey Builders, Inc.
OPERATOR POINT OF CONTACT: Chris	Parise
NOI PREPARED BY: Inspec	ctions Plus
PROJECT/SITE NAME: ABB A	ABQ Expansion
PROJECT/SITE ADDRESS: 6625 Blue Water Road NW, Alb	ouquerque, NM 87121
LATITUDE	35.086904
LONGITUDE	-106.714446
ESTIMATED PROJECT START DATE	12/12/2023
ESTIMATED PROJECT COMPLETION DATE	12/12/2024
ESTIMATED AREA TO BE DISTURBED	8.1 acres
TYPE OF CONSTRUCTION	Commercial
DEMOLITION OF ANY STRUCTURES, 10,000 SQ FT OF GREATER BUILT OR RENOVATED BEFORE JANUARY 1, 1980?	NO
WAS THE PREDEVELOPMENT LAND USED FOR AGRICULTURE?	NO
COMMENCED EARTH DISTURBING ACTIVITIES?	NO
DISCHARGE TO MS4? MS4 NAME?	YES; Albuquerque
SURFACE WATERS WITHIN 50FT?	NO
RECEIVING WATER?	Rio Grande River
IS RECEIVING WATER IMPAIRED? TIER DESIGNATION	YES; 3
WHAT ARE THE IMPAIRMENTS, IF ANY? Dissolved Oxygen, E. Coli	
SWPPP CONTACT INFORMATION: Inspections Plus, Madelyn Schauer,	

CRITERION "A"; NO CRITICAL HABITATS CRITERION "A"

PREEXISTING DEVELOPMENT

ESC Plan Standard Notes (2023-06-16)

- All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:
- a. The City Ordinance § 14-5-2-11, the ESC Ordinance,
- b. The EPA's 2022 Construction General Permit (CGP), and
- c. The City Of Albuquerque Construction BMP Manual.
- 2. All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
- 3. Self-inspections In accordance with City Ordinance § 14-5-2-11(C)(1), "at a minimum a routine self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as stabilized by the city. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
- Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
- 5. Final Stabilization and Notice of Termination (NOT) In accordance with City Ordinance § 14-5-2-11(C)(1), self-inspections must continue until the site is "determined as stabilized by the city." The property owner/operator is responsible for determining when the "Conditions for Terminating CGP Coverage" per CGP Part 8.2 are satisfied and then for filing their Notice of Termination (NOT) with the EPA. Each operator may terminate CGP coverage only if one or more of the conditions in Part 8.2.1, 8.2.2, or 8.2.3 has occurred. After filing the NOT with the EPA, the property owner is responsible for requesting a Determination of Stabilization from the City.
- When doing work in the City right-of-way (e.g. sidewalk, drive pads, utilities, etc.) prevent dirt from getting into the street. If dirt is present in the street, the street should be swept daily or prior to a rain event or contractor induced water event (e.g. curb cut or water test).
- 7. When installing utilities behind the curb, the excavated dirt should not be placed in the street.
- 8. When cutting the street for utilities the dirt shall be placed on the uphill side of the street cut and the area swept after the work is complete. A wattle or mulch sock may be placed at the toe of the excavated dirt pile if site constraints do not allow placing the excavated dirt on the uphill side of the street cut.
- ESC Plans must show longitudinal street slope and street names. On streets where the longitudinal slope is steeper than
 5%, wattles/mulch socks or j-hood silt fence shall be shown in the front yard swale or on the side of the street.



ENDANGERED SPECIES CRITERIA:

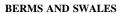
HISTORIC PRESERVATION CRITERIA:

SEDIMENT TRACK OUT CONTROL



BMP Objectives

Sediment Control





BMP Objectives

- Runoff Control
- Run-on Diversion

SILT FENCE



BMP Objectives

- Sediment Control
- Sheet Flow Runoff Control
- Wind Erosion Control

MULCH SOCK/STRAW WATTLE



BMP Objectives

- Sediment Control
- Reduce Runoff Velocity
- Inlet Protection

INLET PROTECTION



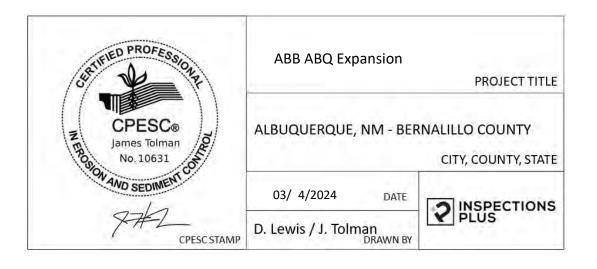


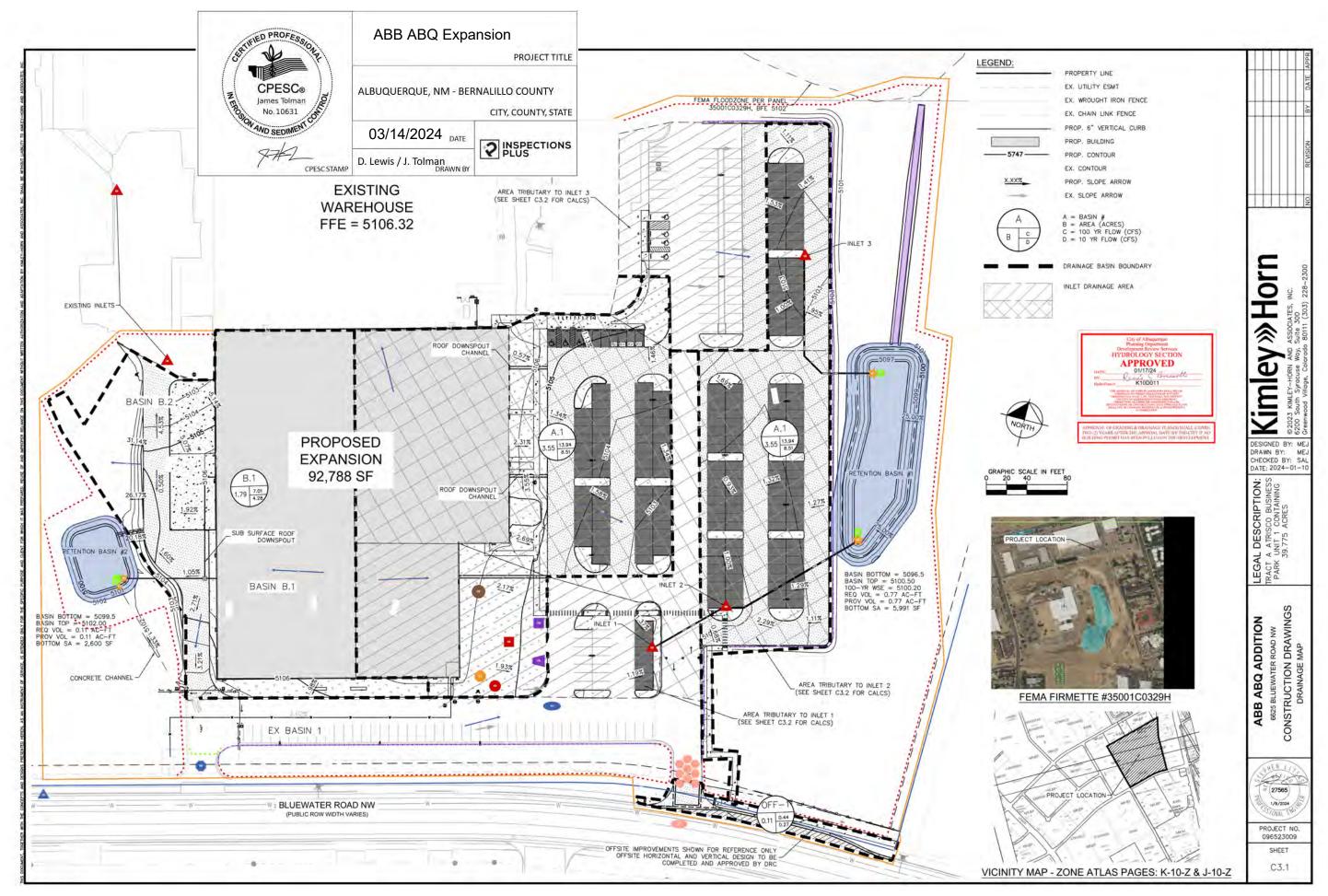




BMP Objectives

- Sediment Control
- Sheet Flow Runoff Control
- Wind Erosion Control





Page 4 of 8

ABB ABQ Expansion Inspections Plus, LLC Commercial SWPPP Map

LEGEND



Latitude: 35.086904

Longitude: -106.714446

Retention Basin (2)



Concrete Drainage Swale (1)



Post-Construction Water Flow/Slope (10)

Cut-back Curbs and/or Sidewalks (5)

Gator Guard (1)

Silt Fence (8)

Limit of Disturbance (6)

Property Boundary (2)

Outfall Point (4)

Rip Rap (4)

Temporary Barricade (1)

Stabilized Construction Entrance/Exit (1)

Street Sweeping (1)

Water Truck (1)

Insert Inlet Protection (5)

Stockpiles (1)

Material Storage (1)

Spill Kit - near Material Storage (1)

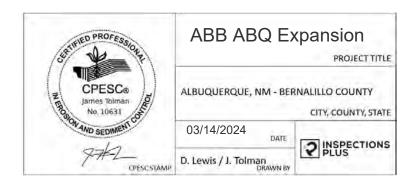
Dumpster (1)

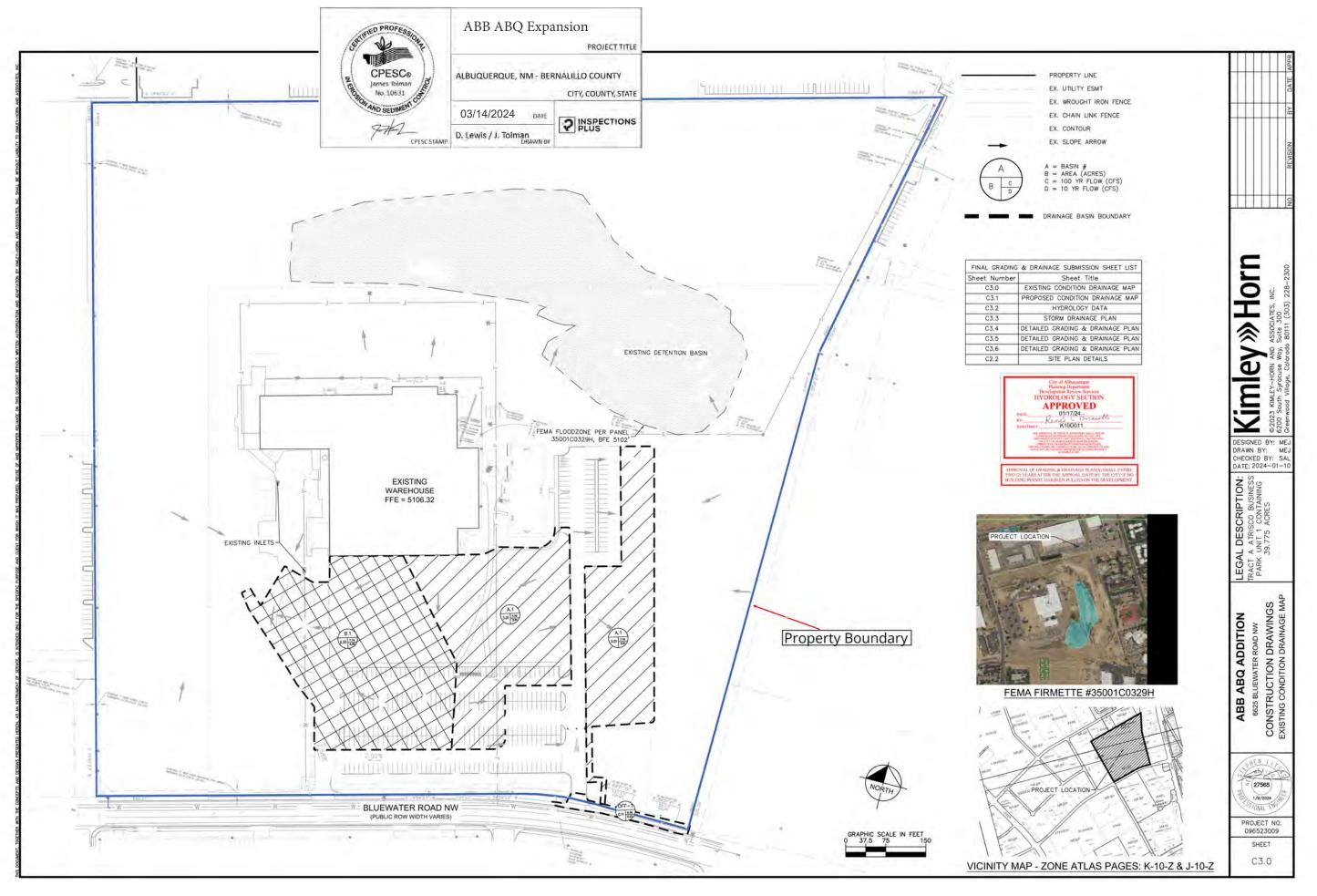
Portable Concrete Washout Bin w/ Sign (1)

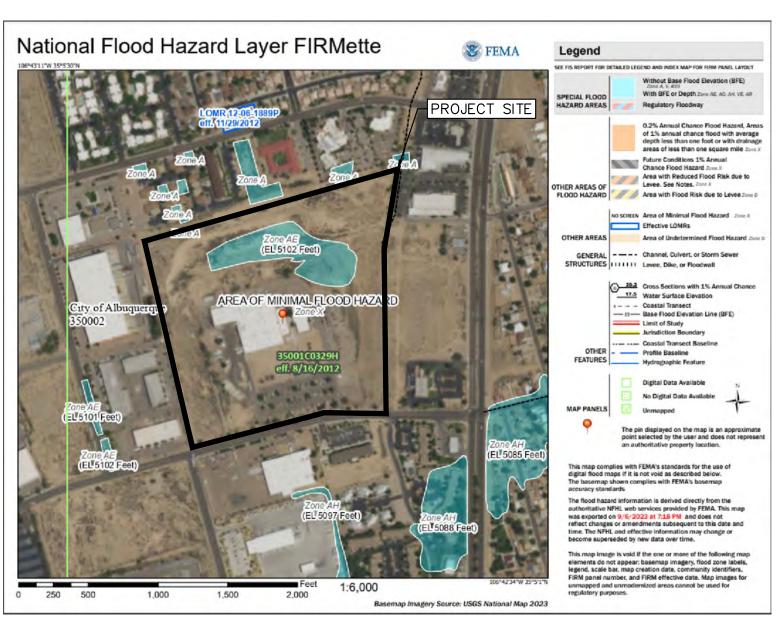
Portable Toilet - MUST be staked and at least 10 ft. from any impervious surface (1)



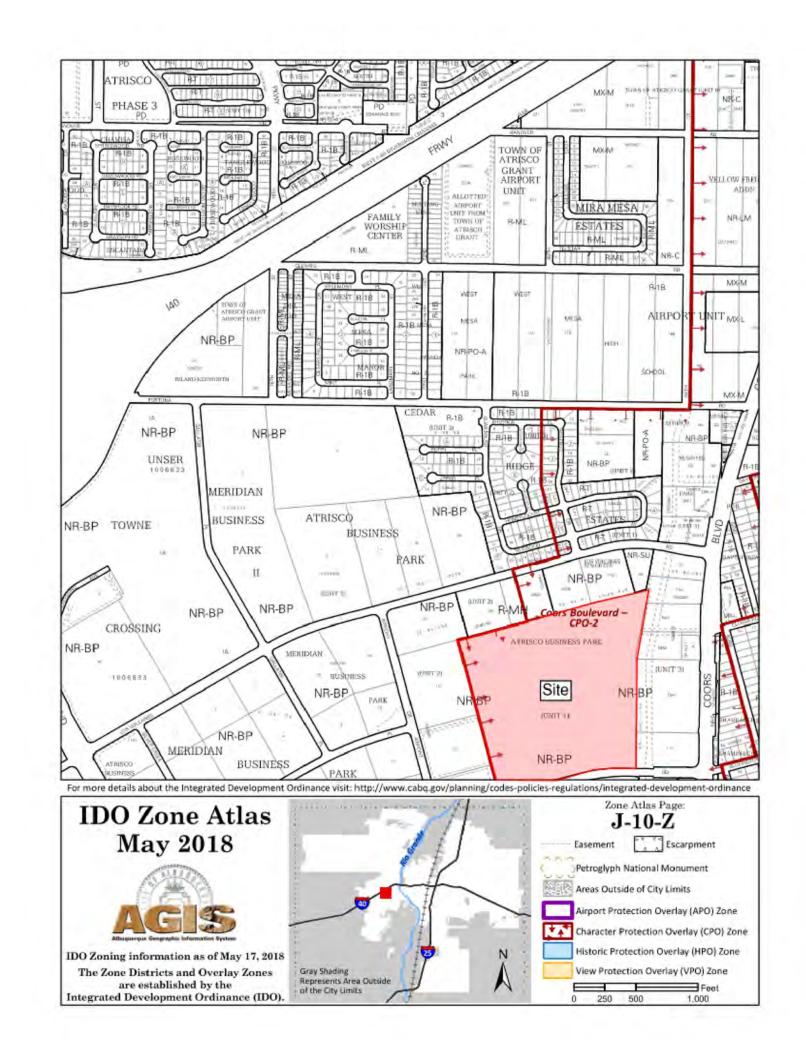
Insert Inlet Protection at nearest downstream inlet (within 400 ft.) (1)







FLOOD ZONE MAP FIRM PANEL: 35001C0329H



ZONING MAP J-10-Z

DRAINAGE REPORT

SITE LOCATION

THE PROPOSED PROJECT IS LOCATED ON APPROXIMATELY A 37.97-ACRE SITE. THE SITE IS 800 FEET WEST FROM W COORS BLVD

EXISTING CONDITIONS

THE SITE IS PARTIALLY DEVELOPED WITH AN EXISTING APPROX. 90,000 GSF MANUFACTURING WAREHOUSE, ADMINISTRATIVE OFFICE, PAVED AND GRAVEL PARKING LOT, LANDSCAPED OPEN SPACE AND PATHWAYS. THERE IS AN EXISTING AE FLOODZONE ONSITE WITH A BFE OF 5102. SITE RUNOFF IS CURRENTLY CONVEYED TO THE EXISTING FLOODZONE WHICH SERVES AS A RETENTION BASIN. SURFACE RUNF FOO FLOWS AND CONCENTRATED FLOWS TO THE RETENTION BASIN. THE EXISTING RETENTION BASIN AND FLOODZONE WILL REMAIN UNTOUCHED. FLOWS ALONG BLUEWATER ROAD TRAVEL OVERLAND EAST TO A LOW POINT

PROPOSED CONDITIONS

THE PROPOSED PROJECT WILL RESULT IN A NEW 90,000 GSF WAREHOUSE AND NEW PORTIONS OF PAVED PARKING. AREAS OF EXISTING PAVEMENT AND DEVELOPED LAWN AREA WILL BE REPLACED WITH THE NEW BUILDING FOOTPRINT. THE NEW PAVED PARKING AREAS WILL REPLACE LOCATIONS OF EXISTING LAWN AND GRAVEL SURFACES. THE PROJECT WILL PRODUCE A NET INCREASE OF IMPERVIOUS AREA ASSOCIATED WITH THE EXPANSION. RUNOFF WILL SHEET FLOW EAST OR WEST WHERE IT WILL FOLLOW HISTORIC DRAINAGE PATTERNS. TWO NEW WATER HARVESTING BASINS (RETENTION BASIN #1 AND #2) ARE PROPOSED TO DETAIN THE NET INCREASE OF REQUIRED 100-YEAR 10-DAY DETENTION VOLUME AS TO NOT INCREASE THE VOLUME OF WATER TRIBUTARY TO THE EXISTING RETENTION BASIN/FLOODZONE. FLOWS EXCEEDING THE NEW RETENTION POND STORAGE VOLUME WILL BYPASS THE BASIN AND CONTINUE TO THE EXISTING RETENTION POND. MITIGATED FLOWS WILL INFILTRATE INTO NATIVE SOILS PER THE 2020 DPM PERCOLATION RATES. PIPES AND INLETS ARE SIZED FOR THE 100-YEAR STORM EVENT. A NET STORAGE VOLUME OF 0.90 AC-FT ARE REQUIRED. THE VOLUMES HAVE BEEN DIVIDED INTO TWO RETENTION BASINS TO CAPTURE FLOWS GENERATED ON THE WEST AND EAST SIDE OF THE SITE. BASINS WILL UTILIZE EXISTING AND PROPOSED PAVEMENT TO MEET MINIMUM VOLUME REQUIREMENTS.

FLOWS ASSOCIATED WITH THE OFFSITE IMPROVEMENTS OF THE RIGHT TURN LANE WILL CONTINUE TO SURFACE FLOW TO THE LOW POINT INLET.

CONCLUSIONS

WHEN DEVELOPED AS INDICATED ON THE GRADING AND DRAINAGE PLAN, THE INCREASE RUNOFF FROM THE SITE IS ESTIMATED AT 5.52 CFS. THE NET INCREASE WILL RESULT IN APPROXIMATELY 0.88 AC-FT OF RETENTION VOLUME FOR THE 100-YEAR 10-DAY VOLUME. BASIN #1 WILL PROVIDE VOLUME FOR 0.77 AC-FT OF 100-YEAR 10-DAY STORAGE, AND BASIN #2 WILL PROVIDE 0.11 AC-FT OF STORAGE. BASIN BOTTOM SURFACE AREAS ARE DESIGNED SUCH THAT FLOWS WILL INFILTRATE IN THE 96 HOUR DRAIN TIME. INFILTRATION RATES ARE UTILIZED PER TABLE 6.2.13 OF THE DPM.

HYDROLOGY CALCULATIONS

										100-1	/R	
EXISTING BASIN	Lan	d Treatmen	nt (Table 6.	2.13)	Total Acerage	Q(100)	Q(10)	Q(2)	Weighted E	V ₃₆₀	V100 _{6HR}	V100 _{10DAY}
	Α	В	С	D	ac	cfs	cfs	cfs	in	ac-ft	ac-ft	ac-ft
EX B.1	0	0.95	0	1.38	2.33	7.74	4.32	2.17	1.62	0.32	0.35	0.51
EX A.1	0	0.61	0.00	0.61	1.22	3.83	2.06	0.96	1.49	0.08	0.09	0.16
OFF-1	0	0	0.05	0.06	0.11	0.39	0.23	0.12	1.65	0.02	0.02	0.02

PROPOSED BASIN											100-YR		
	Land	Treatmer	nt (Table 6.	2.13)	Total Acerage	Q(100)	Q(10)	Q(2)	Weighted E	V ₃₆₀	V100 _{6HR}	V100 _{10DAY}	REQUIRED NET VOLUME
	Α	В	С	D	ac	cfs	cfs cfs	cfs cfs	in	ac-ft	ac-ft	ac-ft	ac-ft
B.1	0	0	0.29	1.5	1.79	7.01	4.28	2.49	2.03	0.30	0.34	0.52	0.00
A.1	0	0	0.55	3.00	3.55	13.94	8.51	4.96	2.04	0.60	0.68	1.04	0.88
OFF-1	0	0	0.01	0.10	0.11	0.44	0.27	0.16	2.12	0.02	0.02	0.03	

	1	Builting Charle			
Dond	Volume	Percolation Rate*	Pond Bottom	Drain Time	Drain Time Check
Pond	cf	inches/hr	Sq. Ft.	hr	96 Hour Max
#1	33,541	0.83	5,991	81	Meets Required Drain Time

0.77 ac-ft

Drain Time Check		ime	Retention Pond Drain 1	F	
	Drain Time	Pond Bottom	Percolation Rate*	Volume	Dead
96 Hour Max	hr	Sq. Ft.	inches/hr	cf	Pond
Meets Required Drain Tim	27	2,600	0.83	4,792	#2

Pond Volume 0.11 ac-ft

CONVEYANCE SYSTEM SIZING

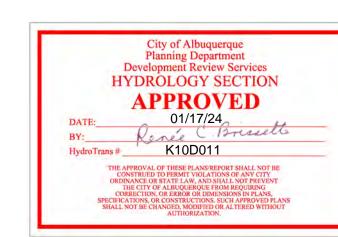
INLET#	Land Treatment (Table 6.2.13)				Total Acerage Tributary to Inlet	Q(100)	Q(10)	Q(2)	PIPE SLOPE	PIPE DIA.	INLET
	Α	В	C	D	ac	ac-ft	cfs	cfs	%	in	
CB 1	0	0	0.31	0.57	0.88	3.24	1.92	1.04	1.0	15	TYPE A
CB 2	0	0	0.25	2.57	2.82	11.31	6.97	4.13	1.0	24	DBL TYPE A
CB 3	0	0	0.11	1.06	1.17	4.68	2.88	1.71	1.0	15	TYPE A

100-yr Peak Discharge (cfs/ac)

1	Land Treatment							
Zone 1	Α	В	C	D				
100	1.54	2.16	2.87	4.12				
10	0.3	0.81	1.46	2.57				
2	0	0.02	0.5	1.56				

Excess Precisionation E (in)

	Land Treatment								
Zone 1	Α	В	C	D					
100	0.55	0.73	0.95	2.24					
10	0.11	0.26	0.43	1.43					
2	0	0.01	0.13	0.92					



PPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIRE WO (2) YEARS AFTER THE APPROAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT

ABB ABQ Expansion

03/14/2024

D. Lewis / J. Tolman DRAWN BY

ALBUQUERQUE, NM - BERNALILLO COUNTY

DESIGNED BY: ME DRAWN BY: ME CHECKED BY: SA DATE: 2024-01-1

≪

CONSTRUCTION DRAWINGS
HYDROLOGY DATA ADDITION ABB ABQ

CITY, COUNTY, STATE

PROJECT TITLE

27565 1/9/2024 STONAL EN

PROJECT NO. 096523009 SHEET

C3.2

OPERATOR:

David E. Harvey Builders, Inc. 3663 Briarpark Drive Houston, TX 70042 713-262-5685

Chris Parise
Project Manager
832-477-3312
cparise@HarveyBuilders.com

Jeremy Shockley Site Superintendent 713-262-5685 jshockley@harveybuilders.com

OWNER:

ABB, Installation Products Inc. 305 Gregson Drive Cary, NC 27511

David Jaramillo Property Owner Contact 505-833-2637 david.jaramillo@us.abb.com

