CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

September 26, 2024

Christopher Archuleta, P.E. Community Design Solutions 9384 Valley View Drive NW, Suite 100 Albuquerque, NM 87114

RE: Tidal Wave 10601 Unser Blvd NW Permanent CO – Accepted Engineer's Certification Date: 08/22/2024 Engineer's Stamp Date: 04/18/23 Hydrology File: A11D017C

Dear Mr. Archuleta:

PO Box 1293

Based on the Certification received 8/23/2024 and site visit on 8/26/2024, this letter serves as a "green tag" from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

If you have any questions, please contact me at 505-924-3314 or amontoya@cabq.gov.

NM 87103

Sincerely,

www.cabq.gov

anthe Mart

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



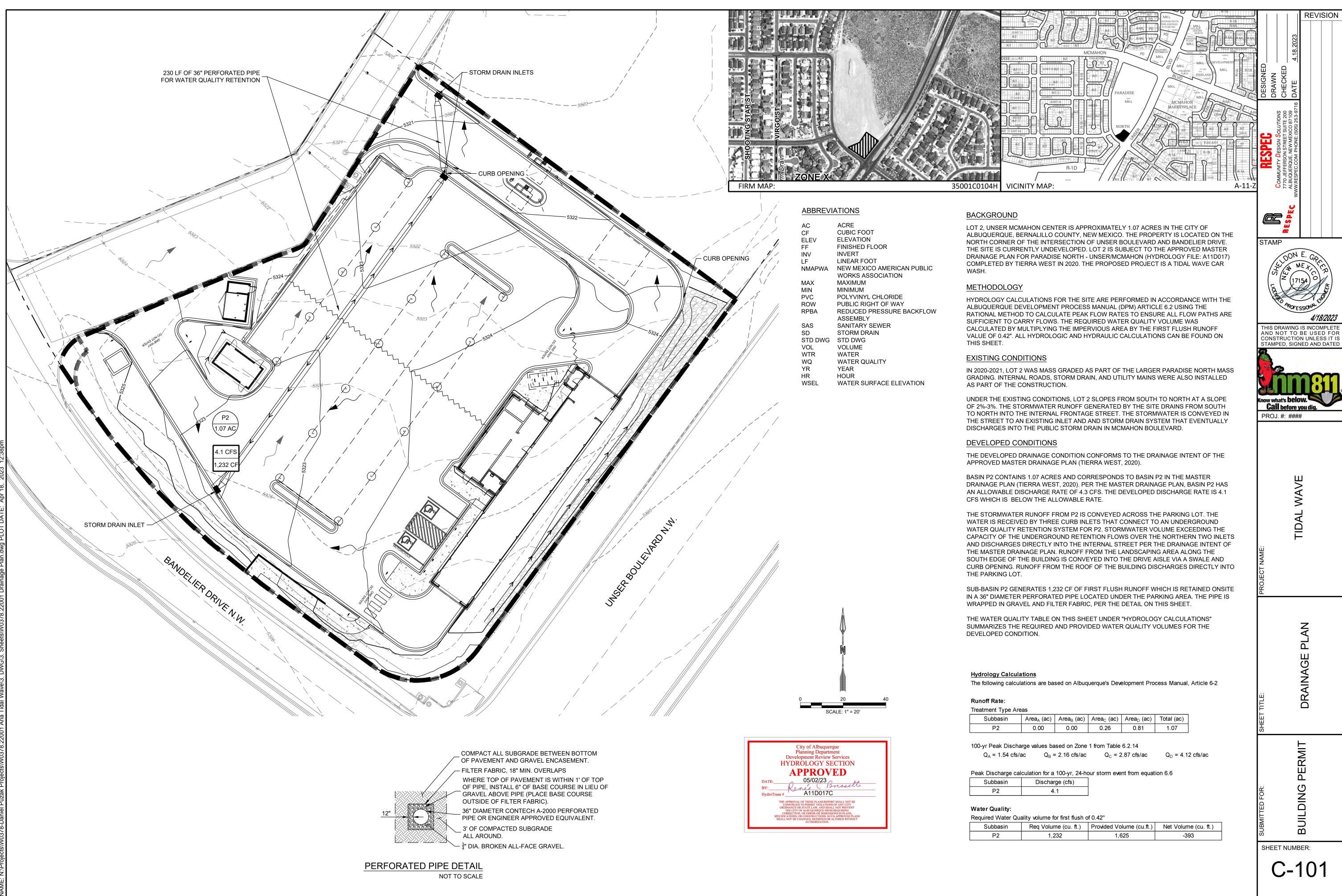
City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title:	Hydrology File #
City Address, UPC, OR Parcel:	
Applicant/Agent:	Contact:
	Phone:
Email:	
Applicant/Owner:	Contact:
Address:	Phone:
Email:	
(Please note that a DFT SITE is one that need	ds Site Plan Approval & ADMIN SITE is one that does not need it.)
TYPE OF DEVELOPMENT: PLAT	(#of lots) RESIDENCE
DFT	SITE ADMIN SITE
RE-SUBMITTAL: YES NO	
DEPARTMENT: TRANSPORTA	TION HYDROLOGY/DRAINAGE
Check all that apply under Both the Type	of Submittal and the Type of Approval Sought:
TYPE OF SUBMITTAL:	TYPE OF APPROVAL SOUGHT:
ENGINEER/ARCHITECT CERTIFICA	TION BUILDING PERMIT APPROVAL
PAD CERTIFICATION	CERTIFICATE OF OCCUPANCY
CONCEPTUAL G&D PLAN	CONCEPTUAL TCL DFT APPROVAL
GRADING & DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
DRAINAGE REPORT	FINAL PLAT APPROVAL
DRAINAGE MASTER PLAN	SITE PLAN FOR BLDG PERMIT DFT
CLOMR/LOMR	APPROVAL
TRAFFIC CIRCULATION LAYOUT (7	SIA/RELEASE OF FINANCIAL GUARANTEE
ADMINISTRATIVE	FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT F APPROVAL	OR DFT GRADING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)	SO-19 APPROVAL
STREET LIGHT LAYOUT	PAVING PERMIT APPROVAL
OTHER (SPECIFY)	GRADING PAD CERTIFICATION
omer(billen i)	WORK ORDER APPROVAL
	CLOMR/LOMR
	OTHER (SPECIFY)

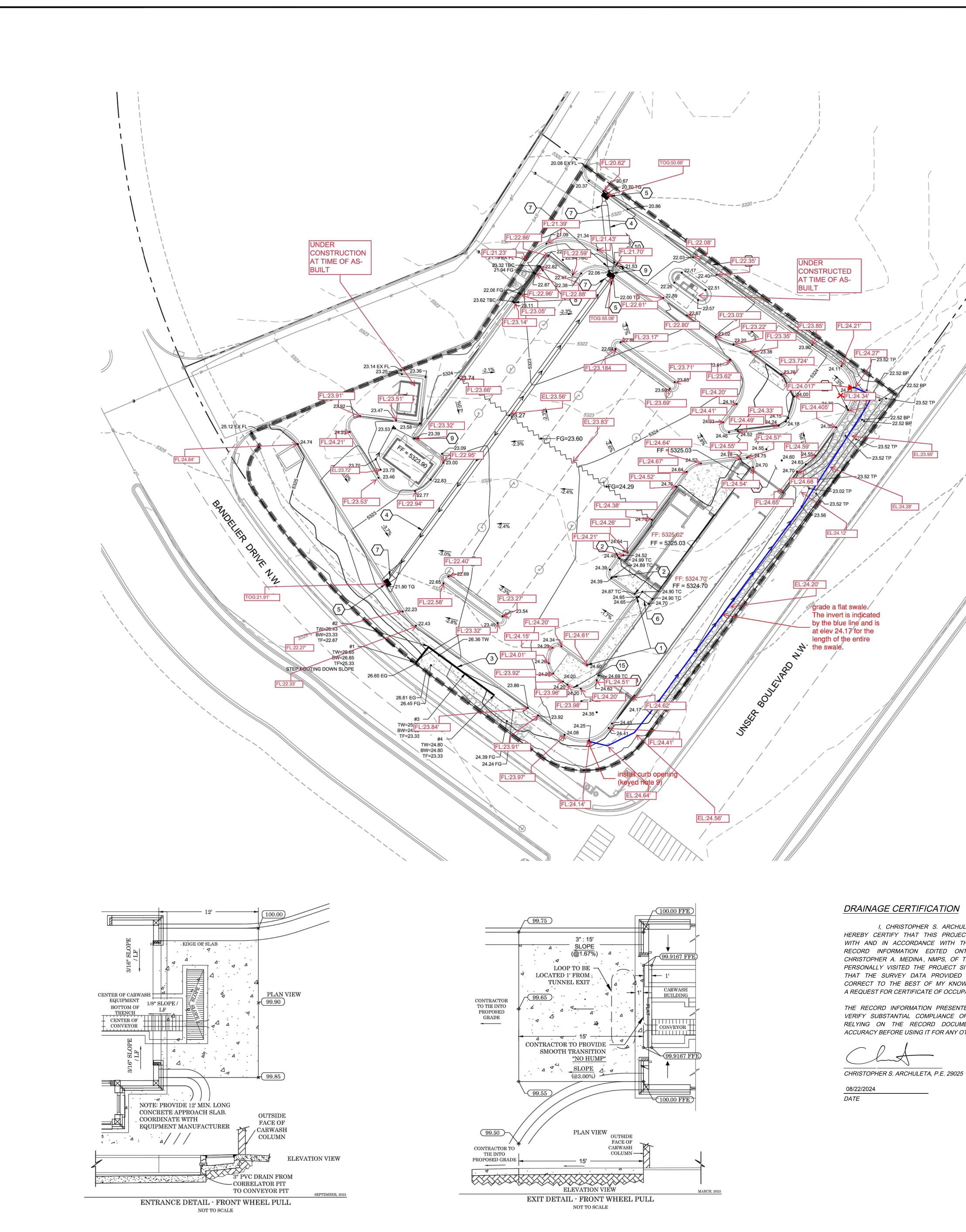
DATE SUBMITTED: ____





Subbasin	Area _A (ac)	Area _B (ac)	Area _C (ac)	Area _D (ac)	Total (ac)	
P2	0.00	0.00	0.26	0.81	1.07	
100-yr Peak Discha	arge values ba	ased on Zone	1 from Table	6.2.14		
$Q_A = 1.54 \text{ cfs/ac}$ $Q_B = 2.16 \text{ cfs/ac}$ $Q_C = 2.87 \text{ cfs/ac}$ $Q_D = 4.12 \text{ cfs/ac}$				2 cfs/		
[⊃] eak Discharge ca	lculation for a	100-yr, 24-ho	our storm eve	nt from equat	ion 6.6	
^D eak Discharge ca Subbasin		100-yr, 24-ho ge (cfs)	our storm eve 	nt from equat	ion 6.6	
•	Dischar	•	our storm eve	nt from equat	ion 6.6	
Subbasin	Dischar	ge (cfs)	our storm eve 	nt from equat	ion 6.6	

	,		
Subbasin	Req Volume (cu. ft.)	Provided Volume (cu.ft.)	Net Volume (cu. ft.)
P2	1,232	1,625	-393



GRADING GENERAL NOTES

 CONTRACTOR SHALL FIELD VERIFY SIZE'S AND LOCATION AND ELEVATION OF ALL EXISTING DRY AND WET UTILITIES PRIOR TO ANY CONSTRUCTION AND NOTIFY ENGINEER OF ANY ISSUES. UTILITY RELOCATION MAY BE REQUIRED

2. GRADES SHOWN ARE FINAL SURFACE GRADES AFTER COMPLETION OF SURFACE IMPROVEMENTS AND PLACEMENTS OF TOPSOIL. 3. GRADE ADJACENT AREAS AT SITE PERIMETER SHALL MATCH GRADE OF ADJACENT

PARCELS. 4. PROVIDE TEMPORARY GRADING FEATURES SUCH AS BERMS, SWALES, SUMPS, AND BASINS TO MANAGE INTERIM STORM WATER RUNOFF DURING CONSTRUCTION PROCESS. STORM WATER RUNOFF LEAVING THE SITE SHALL MEET ALL FEDERAL, STATE AND LOCAL QUALITY REQUIREMENTS.

5. REFER TO GEOTECHNICAL ENGINEERING SERVICES REPORT NO. 1-20816 BY GEO-TEST DATED OCTOBER 11, 2022.

6. COMPOSITE SLOPE IN HANDICAP PARKING SHALL NOT EXCEED 2% IN ANY DIRECTION. CROSS SLOPE ON ADA CROSSWALKS SHALL NOT EXCEED 2%. LONGITUDINAL SLOPE SHALL NOT EXCEED 5%.

8. LONGITUDINAL SLOPE ON CURB RAMP SHALL NOT EXCEED 8.33%. CROSS SLOPE SHALL NOT EXCEED 2%.

9. COMPOSITE SLOPE ON RAMP LANDINGS SHALL NOT EXCEED 2%. 10. CROSS SLOPES ON SIDEWALKS SHALL NOT EXCEED 2%. LONGITUDINAL SLOPES ON

ONSITE SIDEWALKS SHALL NOT EXCEED 5%.

ABBREVIATIONS

BP

CF

FF

INV 1 F

MAX

MIN

PVC

ROW

RPBA

SAS

SD

VOL

TP

SITE CIVIL LEGEND:

WTR

----- PROPERTY BOUNDARY

------ 5272 ------ PROPOSED MAJOR CONTOUR

------- PROPOSED MINOR CONTOUR

---- 5272---- EXISTING MAJOR CONTOUR

— — 5272— — EXISTING MINOR CONTOUR

GRADE BREAK / HIGH POINT

INSTALLED WITH 6" TYPICAL

TOP OF POND

SPECIFICATIONS. SEE PROFILES ON SHEET C-105.

(9) INSTALL CURB OPENING PER DETAIL ON SHEET C-104.

EXTENDED CURB

2"-4" DIAMETER CRUSHED STONE

DEPTH. COORDINATE COLOR

WITH LANDSCAPE ARCHITECT.

LIMITS OF DISTURBANCE

KEYED NOTES

ON SHEET C-105.

 $\langle 6 \rangle$ INSTALL CURB RAMP.

(7) INSTALL 36"X18" REDUCER.

ELEV

NMAPWA

ACRE

BOTTOM OF POND

FINISHED FLOOR

POLYVINYL CHLORIDE

SANITARY SEWER

STORM DRAIN

TOP OF POND

PUBLIC RIGHT OF WAY

CUBIC FOOT

LINEAR FOOT

ELEVATION

INVERT

MAXIMUM

MINIMUM

STD DWG STANDARD DRAWING

VOLUME

WATER

11. SLOPE LABELS SHOW APPROXIMATE SLOPES ONLY. WHERE SLOPE LABELS AND SPOT ELEVATION LABELS CONFLICT, SPOT ELEVATION LABELS SHALL GOVERN AND THE SURVEYOR RESPONSIBLE FOR CONSTRUCTION STAKING SHALL CONTACT THE ENGINEER. 12. FOR TUNNEL BUILDING ENTRANCE AND EXIT SLABS, SEE ARCHITECTURAL PLANS.

SURVEYOR'S CERTIFICATE I, CHRISTOPHER A. MEDINA, N.M.P.L.S. NO. 15702, DO

HEREBY CERTIFY THAT THE AS-BUILT INFORMATION SHOWN AND THE ACTUAL SURVEY WHICH IT WAS DERIVED FROM WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE INFORMATION SHOWN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Christophen A Medin CHRISTOPHER A. MEDINA NMPLS NO. 15702 <u>AUGUST 5, 2024</u> DATE

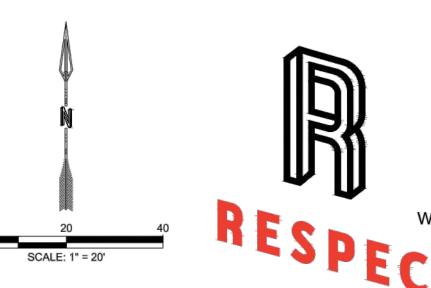
-23.52 TP

I, CHRISTOPHER S. ARCHULETA, NMPE, OF THE FIRM COMMUNITY DESIGN SOLUTIONS, LLC. (CDS), HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 05/02/2023. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY CHRISTOPHER A. MEDINA, NMPS, OF THE FIRM TERRA LAND SURVEYS, LLC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON AUGUST 16, 2024 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.







NEW MEXICO AMERICAN PUBLIC WORKS ASSOCIATION

REDUCED PRESSURE BACKFLOW ASSEMBLY

SPOT ELEVATION SYMBOLS

<u>~</u> 20.00	FLOWLINE
∕—20.00 EG	TOP OF EXISTING GROUND
∕—20.00 FG	TOP OF FINISHED GROUND
∕—20.00 TG	TOP OF GRATE
— 20.00 TC	TOP OF CONCRETE
- 20.00 EX FL	EXISTING FLOWLINE
—20.00 ТВС	TOP BACK OF CURB
—20.00 TP	TOP OF POND
—20.00 BP	BOTTOM OF POND

 $\langle 1 \rangle$ ZERO HEIGHT CURB IN THE AREA BETWEEN THE KEYED NOTE ARROWS. TRANSITION CURB HEIGHT IN THE AREA BETWEEN THE KEYED NOTE ARROWS. SEE PAVING PLAN FOR LOCATIONS OF ALL CURB TRANSITIONS. (3) INSTALL RETAINING WALL WITH FALL PROTECTION PER DETAIL ON SHEET C-107. TOP OF WALL FLUSH WITH TOP OF SIDEWALK.

4 INSTALL 36" DIAMETER PERFORATED PIPE PER DETAIL ON SHEET C-104. CONTECH A-2000 PERFORATED PIPE OR ENGINEER APPROVED ALTERNATIVE. SEE PROFILES

5 INSTALL NYLOPLAST 2'X2' ROAD AND HIGHWAY GRATE ON A 24" DIAMETER CATCH BASIN OR ENGINEER APPROVED ALTERNATIVE. INSTALL PER MANUFACTURER

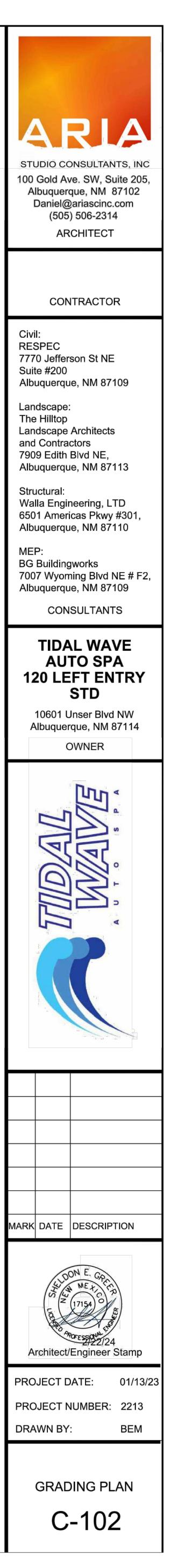
(8) INSTALL EXTENDED CURB PER DETAIL ON SHEET C-104.

(10) INSTALL 3' X 6" ROCK RUNDOWN PER DETAIL ON SHEET C-104. INSTALL 1' TALL TURN-DOWN EDGE ON PAY STATION SLAB. COORDINATE WITH ARCHITECT. (12) INSTALL SIDEWALK BELOW TOP BACK OF CURB (EXPOSING BACK OF CURB) (13) INSTALL FRONT WHEEL PULL ENTRANCE, SEE DETAIL ON THIS SHEET FOR EXACT GRADING.

14 INSTALL FRONT WHEEL PULL EXIT, SEE DETAIL ON THIS SHEET FOR EXACT GRADING.

(15) TAPER CURB OVER 6 LF TO KEEP COMPOSITE SIDEWALK SLOPE UNDER 5%

COMMUNITY **D**ESIGN **S**OLUTIONS 7770 JEFFERSON STREET SUITE 200 ALBUQUERQUE, NEW MEXICO 87109 WWW.RESPEC.COM PHONE: (505) 253-9718



DRAINAGE CERTIFICATION

I, CHRISTOPHER S. ARCHULETA, NMPE, OF THE FIRM COMMUNITY DESIGN SOLUTIONS LLC (CDS), HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 05/02/2023. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY CHRISTOPHER A. MEDINA, NMPS, OF THE FIRM TERRA LAND SURVEYS, LLC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON AUGUST 16, 2024, AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

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Christopher S. Archuleta, NMPE No. 29025

<u>08/22/2024</u> Date

