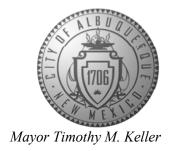
CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



March 29, 2023

Jackie McDowell McDowell Engineering, Inc. 7820 Beverly Hills Ave. NE Albuquerque, NM 87122

RE: 501 Tres Lagunas Lane NE Grading and Drainage Plan Engineer's Stamp Date: 03/20/23

Hydrology File: E16D016A

Dear Ms. McDowell:

Based upon the information provided in your submittal received 03/21/2023, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this project consists of stim walls, a pad certification is not needed for this project. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this

letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (F): Engineer's Certification Checklist For Non-Subdivision is required.

www.cabq.gov

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

Renée C. Brissette

Planning Department



City of Albuquerque

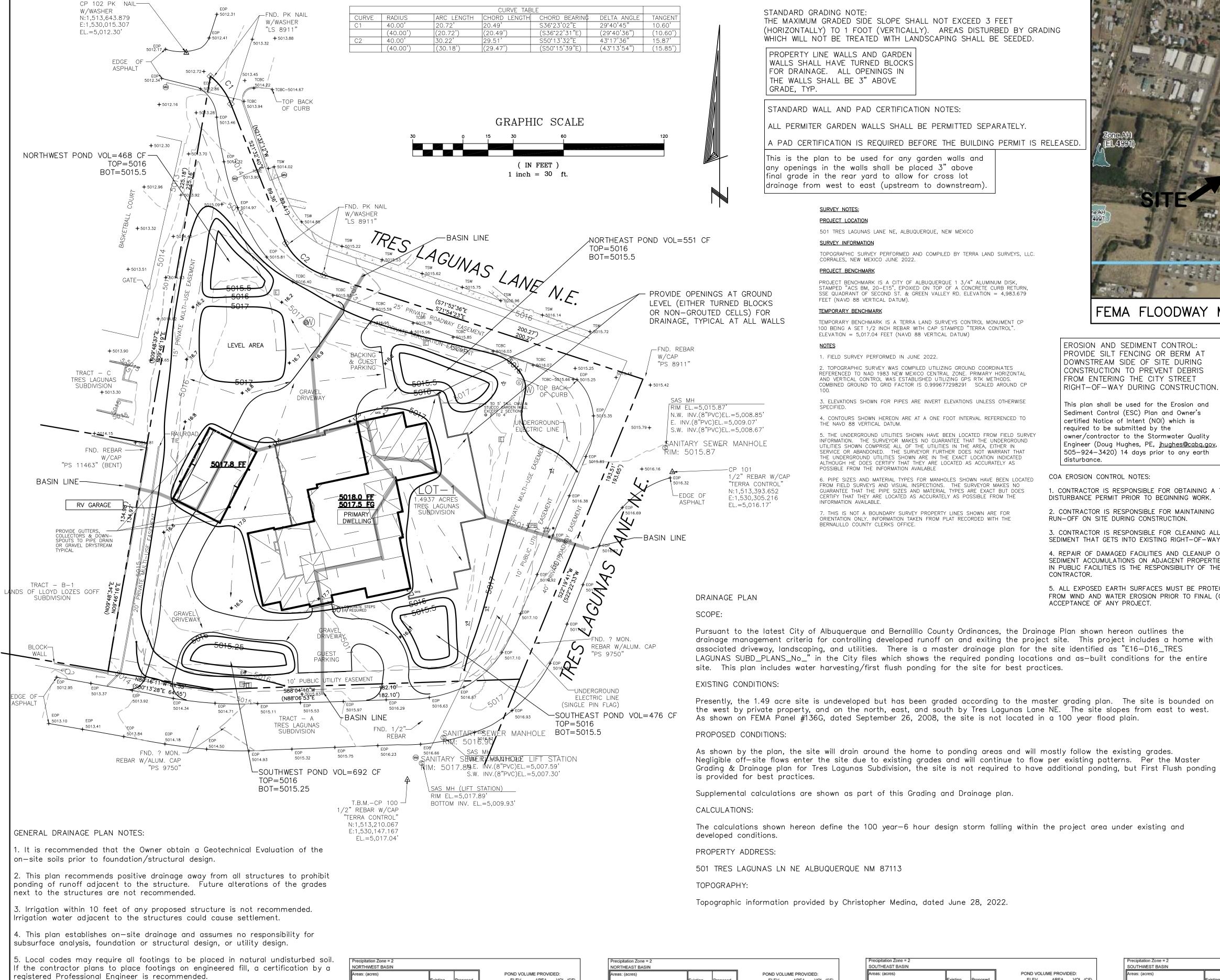
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

	Building Permit #:	
DRB#:		Work Order#:
Legal Description: LOT 1, TRES LAGUNAS SUE		
City Address: 501 TRES LAGUNAS LN NE ALBUC	QUERQUE NM 87113	
Applicant: MCDOWELL ENGINEERING, INC.		Contact: JACKIE MCDOWELL
Address: 7820 BEVERLY HILLS AVE. NE		
Phone#: 505-828-2430	Fax#: 505-821-4857	E-mail: jackmcdowell@comcast.net
Other Contact: WILKIE STEVEN		Contact: WILKIE STEVEN
Address: 7209 CIENEGA RD NW ALBUQUERQUE	NM 87120	
Phone#: 505-263-5375	Fax#:	E-mail: swilkie@souers-const.com
TYPE OF DEVELOPMENT:PLAT (# of lots) X RESIDENCE	DRB SITE ADMIN SITE
IS THIS A RESUBMITTAL? Yes		
DEPARTMENT TRANSPORTATION		
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 A ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?	X BUILDING PE CERTIFICATE PRELIMINARY SITE PLAN FO SITE PLAN FO FINAL PLAT SIA/ RELEASI FOUNDATION GRADING PE SO-19 APPRO PAVING PERM GRADING/ PA WORK ORDER CLOMR/LOMI FLOODPLAIN	E OF OCCUPANCY Y PLAT APPROVAL OR SUB'D APPROVAL OR BLDG. PERMIT APPROVAL APPROVAL E OF FINANCIAL GUARANTEE N PERMIT APPROVAL RMIT APPROVAL WIT APPROVAL AD CERTIFICATION APPROVAL
DATE SUBMITTED: 3-20-23	By: JACKIE MCDOWELL	
COA STAFF:	ELECTRONIC SUBMITTAL RECEIVED:	

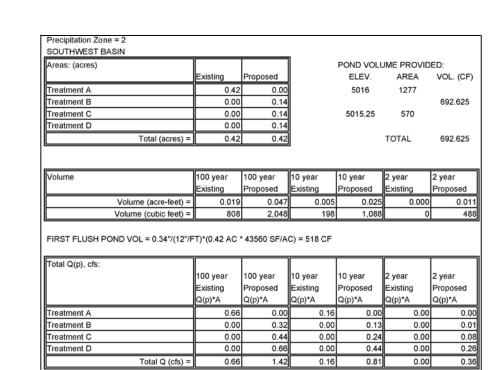
FEE PAID:_____



ELEV. AREA VOL. (CF 5016 1259 5015.5 TOTAL FIRST FLUSH POND VOL = 0.34"/(12"/FT)*(0.37 AC * 43560 SF/AC) = 456 CF

Precipitation Zone = 2						
NORTHEAST BASIN			1			
Areas: (acres)	l .				JME PROVID	
	Existing	Proposed		ELEV.	AREA	VOL. (CF)
Treatment A	0.40	0.00		5016	1486	
Treatment B	0.00	0.19				551
Treatment C	0.00	0.19		5015.5	718	
Treatment D	0.00	0.02				
Total (acres) =	0.40	0.40	1		TOTAL	551
Volume	Existing	Proposed	Existing	Proposed	Existing	Proposed
Volume	100 year	100 year	10 year	10 year	2 year	2 year
	Evicting	Dropocod	Evicting	Dronocod	Exicting	Dropocod
		_		_		_
Volume (acre-feet) =	0.018	0.034	0.004	0.015	0.000	0.004
Volume (cubic feet) =	0.018 770	0.034 1,471	0.004 189	0.015	0.000	0.004
` /	0.018 770 T)*(0.40 AC *	0.034 1,471 43560 SF/A 100 year Proposed	0.004 189 C) = 494 CF 10 year Existing	0.015 649 10 year Proposed	0.000 0 2 year Existing	0.004 175 2 year Proposed
Volume (cubic feet) = FIRST FLUSH POND VOL = 0.34"/(12"/F Total Q(p), cfs:	0.018 770 T)*(0.40 AC * 100 year Existing Q(p)*A	0.034 1,471 * 43560 SF/A 100 year Proposed Q(p)*A	0.004 189 C) = 494 CF 10 year Existing Q(p)*A	0.015 649 10 year Proposed Q(p)*A	0.000 0 2 year Existing Q(p)*A	0.004 175 2 year Proposed Q(p)*A
Volume (cubic feet) = FIRST FLUSH POND VOL = 0.34"/(12"/F Total Q(p), cfs: Treatment A	0.018 770 T)*(0.40 AC * 100 year Existing Q(p)*A 0.62	0.034 1,471 43560 SF/A 100 year Proposed Q(p)*A	0.004 189 C) = 494 CF 10 year Existing Q(p)*A 0.15	0.015 649 10 year Proposed Q(p)*A	0.000 0 2 year Existing Q(p)*A 0.00	0.004 175 2 year Proposed Q(p)*A
Volume (cubic feet) = FIRST FLUSH POND VOL = 0.34"/(12"/F Total Q(p), cfs: Treatment A Treatment B	0.018 770 T)*(0.40 AC * 100 year Existing Q(p)*A 0.62	0.034 1,471 * 43560 SF/A 100 year Proposed Q(p)*A 0.00 0.43	0.004 189 C) = 494 CF 10 year Existing Q(p)*A 0.15	0.015 649 10 year Proposed Q(p)*A 0.00 0.18	0.000 0 2 year Existing Q(p)*A 0.00	0.004 175 2 year Proposed Q(p)*A 0.00
Volume (cubic feet) = FIRST FLUSH POND VOL = 0.34"/(12"/F Total Q(p), cfs: Treatment A Treatment B	0.018 770 T)*(0.40 AC * 100 year Existing Q(p)*A 0.62	0.034 1,471 * 43560 SF/A 100 year Proposed Q(p)*A 0.00 0.43	0.004 189 C) = 494 CF 10 year Existing Q(p)*A 0.15	0.015 649 10 year Proposed Q(p)*A	0.000 0 2 year Existing Q(p)*A 0.00	0.004 175 2 year Proposed Q(p)*A
Volume (cubic feet) = FIRST FLUSH POND VOL = 0.34"/(12"/F	0.018 770 T)*(0.40 AC * 100 year Existing Q(p)*A 0.62	0.034 1,471 * 43560 SF/A * 100 year Proposed Q(p)*A 0.00 0.43 0.60	0.004 189 C) = 494 CF 10 year Existing Q(p)*A 0.15	0.015 649 10 year Proposed Q(p)*A 0.00 0.18 0.32	0.000 0 2 year Existing Q(p)*A 0.00 0.00	0.004 175 2 year Proposed Q(p)*A 0.00 0.02 0.11

		_			
]	POND VOLU	JME PROVID	ED:
Existing	Proposed		ELEV.	AREA	VOL. (CF)
0.31	0.00		5016	1249	
0.00	0.13				476.25
0.00	0.13		5015.5	656	
0.00	0.05				
0.31	0.31			TOTAL	476.25
100 year	100 year	10 year	10 year	2 vear	2 year
					Proposed
				$\overline{}$	
596	1,286	146	621	0	22
FT)*(0.31 AC *	43560 SF/A	C) = 382 CF			
100 year	,	10 year		2 year	2 year
Existing	Proposed	10 year Existing	Proposed	Existing	Proposed
Existing Q(p)*A	Proposed Q(p)*A	10 year Existing Q(p)*A	Proposed Q(p)*A	Existing Q(p)*A	Proposed Q(p)*A
Existing Q(p)*A 0.48	Proposed Q(p)*A 0.00	10 year Existing Q(p)*A	Proposed Q(p)*A 0.00	Existing Q(p)*A 0.00	Proposed Q(p)*A 0.0
Existing Q(p)*A 0.48	Proposed Q(p)*A 0.00 0.30	10 year Existing Q(p)*A 0.12	Proposed Q(p)*A 0.00 0.12	Existing Q(p)*A 0.00 0.00	Proposed Q(p)*A 0.0
Existing Q(p)*A 0.48	Proposed Q(p)*A 0.00 0.30 0.41	10 year Existing Q(p)*A	Proposed Q(p)*A 0.00	Existing Q(p)*A 0.00	Proposed Q(p)*A 0.0 0.0 0.0
	0.31 0.00 0.00 0.00 0.31 100 year Existing 0.014	0.31 0.00 0.00 0.13 0.00 0.05 0.31 0.31 100 year 100 year Existing Proposed 0.014 0.030 596 1,286	0.31 0.00 0.00 0.13 0.00 0.13 0.00 0.05 0.31 0.31 100 year 100 year Existing Proposed Existing 2000	Existing	0.31 0.00 5016 1249





SURVEY LEGEND

▲ CONTROL MONUMENT (AS NOTED)

FOUND REBAR (AS NOTED)

♦ FOUND PK NAIL (AS NOTED)

SAS MANHOLE

WATER WELL

TYARD HYDRANT

FIRE HYDRANT

POWER POLE

■ TRANSFORMER

→ STREET SIGN

♦50XX.XX SPOT ELEVATION

CONCRETE HATCH

ELECTRIC METER

TELEPHONE PEDESTAL

UNKNOWN MANHOLE

RECORD PROPERTY LINE

CHAIN LINK FENCE

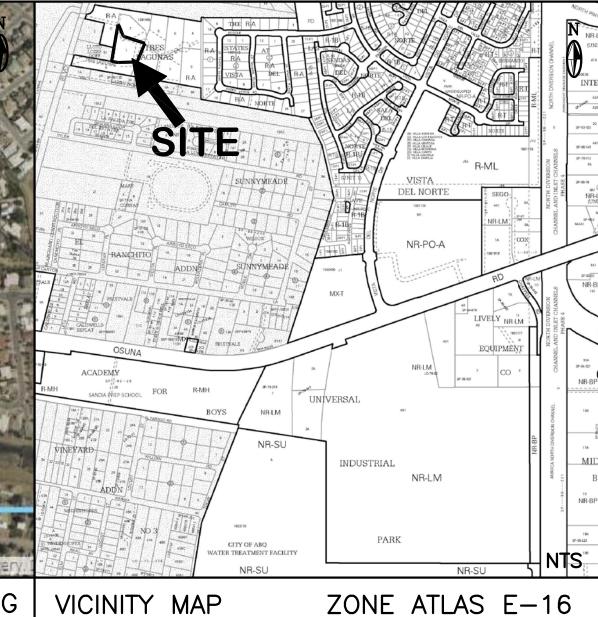
UNDERGROUND WATER LINE UNDERGROUND FIBER OPTIC LINE

UNDERGROUND GAS LINE

ELECTRIC BOX

ELECTRIC PULLBOX

■ IRRIGATION VALVE WATER METER



LEGEND

EXISTING

____5043 — — —

PROPOSED

EROSION AND SEDIMENT CONTROL: PROVIDE SILT FENCING OR BERM AT DOWNSTREAM SIDE OF SITE DURING CONSTRUCTION TO PREVENT DEBRIS FROM ENTERING THE CITY STREET RIGHT-OF-WAY DURING CONSTRUCTION

This plan shall be used for the Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) which is required to be submitted by the owner/contractor to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov

505-924-3420) 14 days prior to any earth

COA EROSION CONTROL NOTES:

disturbance.

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.

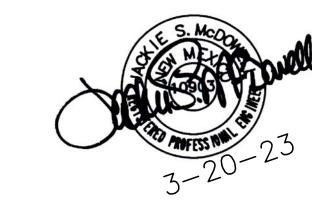
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY)

pment Review Services HYDROLOGY SECTION 03/29/23

CONTOUR

SPOT ELEVATION



ENGINEER'S CERTIFICATION:

I, Jackie S. McDowell, hereby certify that I personally inspected the site shown on this plan on July 20, 2022 and as of that date it appeared that no filling, grading, or excavation had occurred thereon since completion of the topographic survey used to prepare this plan.

501 TRES LAGUNAS LN NE ALBUQUERQUE NM 87113 CITY OF ALBUQUERQUE, BERNALILLO COUNTY

> LOT 1 TRES LAGUNAS SUBDIVISION

NEW MEXICO

WILKIE - GRADING & DRAINAGE PLAN

TELE: 505-828-2430 EMAIL: JackMcDdowell@comast.net

Checked JSM JSM OCTOBER,2022

8. All work shall be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction with updates. 9. All work on this project shall be performed in accordance with applicable Federal, State, and Local laws, rules, and regulations concerning construction safety and health. 10. Contactor shall ensure that no site soils/sediment or silt enters the

righ—of—ways during construction.

6. It is recommended that the Owner obtain the services of a Geotechnical

7. The property boundary shown on this plan is given for information only to describe the project limits. Property boundary information shown hereon does

Engineer to test and inspect all earthwork aspects of the project.

not constitute a boundary survey.

GRADING

10-26-2 1=30

11. Areas disturbed due to construction shall be restored per City of Albuquerque Spec. 1012 native seed mix.

Areas: (acres)				POND VOLU	JME PROVID	ED:
	Existing	Proposed]	ELEV.	AREA	VOL. (CF)
Treatment A	0.31	0.00		5016	1249	
Treatment B	0.00	0.13				476.25
Treatment C	0.00	0.13		5015.5	656	
Treatment D	0.00	0.05				
Total (acres)	= 0.31	0.31]		TOTAL	476.25
Volume	7400	1400	140	40	0	0
Volume	100 year		10 year		2 year	2 year
	Existing	Proposed	Existing	Proposed	Existing	Proposed
111 (6 0						
Volume (acre-feet)						
Volume (acre-feet) Volume (cubic feet)						
Volume (cubic feet)	= 596	1,286	146			
Volume (cubic feet) FIRST FLUSH POND VOL = 0.34"/(12"	= 596	1,286	146	621		
Volume (cubic feet) FIRST FLUSH POND VOL = 0.34"/(12"	= 596 /FT)*(0.31 AC	1,286 * 43560 SF/A	146 C) = 382 CF 10 year Existing	621 10 year Proposed	0 2 year Existing	224
Volume (cubic feet) FIRST FLUSH POND VOL = 0.34"/(12"	= 596 /FT)*(0.31 AC	1,286 * 43560 SF/A 100 year	146 C) = 382 CF 10 year	621 10 year	0 2 year	224 2 year
Volume (cubic feet) FIRST FLUSH POND VOL = 0.34"/(12"	= 596 /FT)*(0.31 AC 100 year Existing	1,286 * 43560 SF/A 100 year Proposed Q(p)*A	146 C) = 382 CF 10 year Existing Q(p)*A	621 10 year Proposed Q(p)*A	2 year Existing Q(p)*A	2 year Proposed Q(p)*A
Volume (cubic feet) FIRST FLUSH POND VOL = 0.34"/(12' Total Q(p), cfs:	= 596 /FT)*(0.31 AC 100 year Existing Q(p)*A	1,286 * 43560 SF/A 100 year Proposed Q(p)*A 0.00	146 C) = 382 CF 10 year Existing Q(p)*A 0.12 0.00	10 year Proposed Q(p)*A 0.00 0.12	2 year Existing Q(p)*A 0.00	2 year Proposed Q(p)*A 0.00
Volume (cubic feet) FIRST FLUSH POND VOL = 0.34"/(12" Total Q(p), cfs: Treatment A Treatment B Treatment C	= 596 /FT)*(0.31 AC 100 year Existing Q(p)*A 0.48 0.00 0.00	1,286 * 43560 SF/A 100 year Proposed Q(p)*A 0.00 0.30 0.41	146 C) = 382 CF 10 year Existing Q(p)*A 0.12 0.00 0.00	10 year Proposed Q(p)*A 0.00 0.12 0.22	2 year Existing Q(p)*A 0.00 0.00	2 year Proposed Q(p)*A 0.00 0.01 0.08
Volume (cubic feet) FIRST FLUSH POND VOL = 0.34"/(12") Total Q(p), cfs: Treatment A Treatment B	= 596 /FT)*(0.31 AC 100 year Existing Q(p)*A 0.48 0.00	1,286 * 43560 SF/A 100 year Proposed Q(p)*A 0.00 0.30 0.41 0.24	146 C) = 382 CF 10 year Existing Q(p)*A 0.12 0.00 0.00	10 year Proposed Q(p)*A 0.00 0.12 0.22 0.16	2 year Existing Q(p)*A 0.00 0.00 0.00	2 year Proposed Q(p)*A 0.00 0.01 0.08 0.09