CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director

Mayor Timothy M. Keller

April 29, 2020

David Thompson, PE
Thompson Engineering Consultants, Inc.
PO Box 65760
Albuquerque, NM 87193

RE: San Antonio RV Storage
6300 San Antonio NE
Revised Grading and Drainage Plan
Engineer's Stamp Date: 04/27/20
Hydrology File: E18D062

Dear Mr. Thompson:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 04/27/2020, the Revised Grading and Drainage Plan is approved for Building Permit, Grading Permit and for action by the DRB on the Site Plan 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

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 11/2018)

Project Title: San Antonio RV Storage Building Permit #: _____ Hydrology File #: E18D062

DRB#: PR-2018-001307 EPC#: _____ Work Order#: _____

Legal Description: Tract 1-B, P & J Subdivision

City Address: 6300 San Antonio NE

Applicant: Thompson Engineering Consultants, Inc. Contact: David B. Thompson

Address: P.O. Box 65760, Albuquerque, NM 87193

Phone#: (505) 271-2199 Fax#: _____ E-mail: tecnm@yahoo.com

Owner: Haggar Group LLC Contact: Alex Haggar

Address: 31255 La Baya Dr. #206, Westlake Village, CA 91362

Phone#: (818) 391-7757 Fax#: _____ E-mail: alex@haggargroup.com

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

IS THIS A RESUBMITTAL?: X Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION X HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
X 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
X 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: April 27, 2020 By: David B Thompson

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

DRAINAGE PLAN:

LEGAL DESCRIPTION: TRACT 1-B, P & J SUBDIVISION

SITE AREA: 3.0878 ACRES

FLOOD HAZARD STATEMENT: F.E.M.A. FLOODWAY BOUNDARY AND FLOODWAY MAP DATED AUGUST 16, 2012 (PANEL NO. 35001C0137H) INDICATES A FLOOD HAZARD ZONE X WHICH IS AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

EXISTING DRAINAGE CONDITIONS:

THE DRAINAGE ANALYSIS FOR THIS SITE IS IN ACCORDANCE WITH SETION 22 OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), ENTITLED "DRAINAGE, FLOOD CONTROL, AND EROSION CONTROL." THE DESIGN STORM USED FOR BOTH UNDEVELOPED AND DEVELOPED CONDITIONS IS THE 100-YEAR, 24-HOUR STORM EVENT FOR RUNOFF. THE SITE IS LOCATED IN ZONE 3 SO THE 100-YEAR, 24-HOUR STORM EVENT IS 2.60 INCHES. UNDER EXISTING CONDITIONS, THE TRACT IS ON TOP OF A LANDFILL SO IT IS LAND TREATMENT A.

THE TRACT IS LOCATED IN THE NORTHEAST ALBUQUERQUE ON THE SOUTH SIDE OF SAN ANTONIO JUST WEST OF LOUISIANA. CURRENTLY THE SITE DRAINS FROM NORTHEAST TO SOUTHWEST TO THE SOUTH PINO ARROYO. THE EXISTING PEAK RUNOFF FROM THE SITE UNDER EXISTING CONDITIONS IS 5.77 CFS DURING A 100-YEAR, 6-HOUR STORM. THERE ARE NO OFF-SITE FLOWS THAT REACH THE PROPERTY.

DEVELOPED DRAINAGE CONDITIONS:

THIS PROJECT INVOLVES THE CONSTRUCTION OF AN RV STORAGE AREA WITH PARKING AND LANDSCAPING. THE SITE HAS PAVED DRIVE AISLES, GRAVEL RV PARKING AREAS WITH CANOPIES AND LIMITED LANDSCAPING. THE SITE DRAINS FROM EAST TO WEST TO THE SOUTHWEST CORNER OF THE SITE. THE SITE DRAINS 13.15 CFS TO THE SOUTH PINO ARROYO THROUGH A DEPRESSED CONCRETE INLET. ALL SITE AND DRAINAGE IMPROVEMENTS REQUIRE APPROVAL BY THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT BECAUSE THERE IS A LANDFILL UNDER THE SURFACE. ONE OF THE REQUIREMENTS OF ENVIRONMENTAL HEALTH IS THAT PONDING OF STORM WATER IS NOT ALLOWED ON SITE. THEREFORE, THIS SITE WILL NOT HAVE A FIRST FLUSH POND.

100-YEAR HYDROLOGIC CALCULATIONS

BASIN #	AREA (acre)	LAND TREATMENT A (%)	B (%)	C (%)	D (%)	WEIGHTED E (in)	100-YEAR PRECIPITATION V (6-hr) (acre-ft)	V (6-hr) (cu-ft)	V(24-hr) (acre-ft)	V(24-hr) (cu-ft)	Q (cfs)
EXISTING CONDITIONS											
SITE	3.0880	100.00	0.00	0.00	0.00	0.66	0.17	7,398	0.17	7,398	5.77
TOTAL RUNOFF	3.088						0.17	7,398	0.17	7,398	5.77
PROPOSED CONDITIONS											
SITE	3.0880	0.00	0.00	48.50	51.50	1.84	0.47	20,637	0.54	23,524	13.15
TOTAL RUNOFF	3.088						0.47	20,637	0.54	23,524	13.15
EXCESS PRECIP.		0.66	0.92	1.29	2.36	E_i (in)					
PEAK DISCHARGE		1.87	2.6	3.45	5.02	Q_{Pi} (cfs)					

WEIGHTED E (in) = $(E_A)(\%A) + (E_B)(\%B) + (E_C)(\%C) + (E_D)(\%D)$

$V_{6\text{-HR}}$ (acre-ft) = (WEIGHTED E)(AREA)/12

V_{10DAY} (acre-ft) = $V_{6\text{-HR}} + (A_D)(P_{10DAY} - P_{6\text{-HR}})/12$

Q (cfs) = $(Q_{PA})(A_A) + (Q_{PB})(A_B) + (Q_{PC})(A_C) + (Q_{PD})(A_D)$

ZONE = 3

$P_{6\text{-HR}}$ (in.) = 2.60

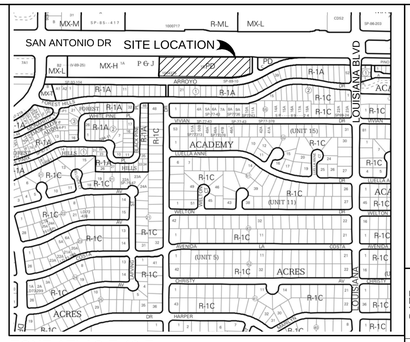
$P_{24\text{-HR}}$ (in.) = 3.10

P_{10DAY} (in.) = 4.90

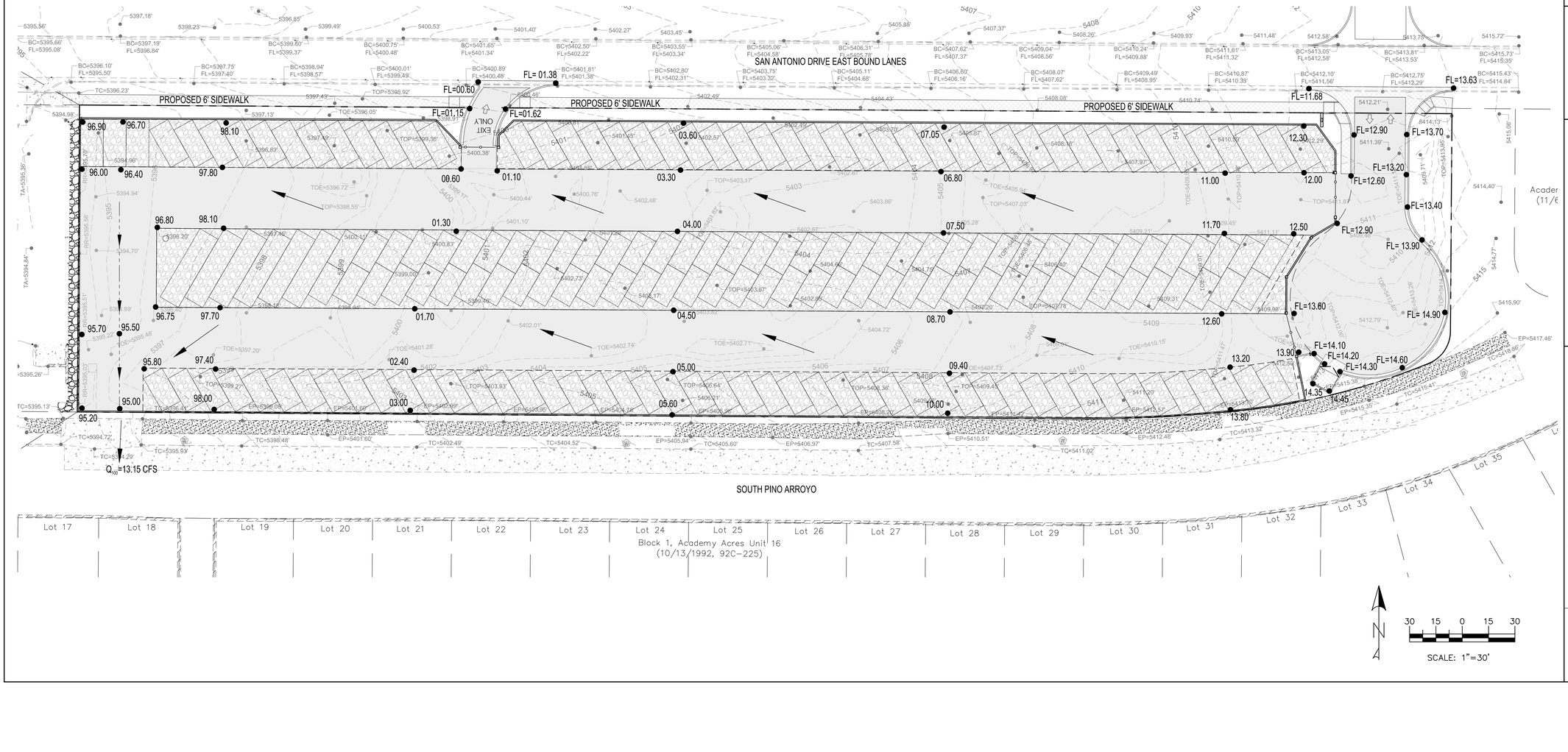
LEGEND

EP=99.10	EXISTING EDGE OF PAVEMENT
TC=97.80	EXISTING TOP OF CONCRETE
BC=92.30 FL=91.80	EXISTING BACKL OF CURB EXISTING FLOW LINE
	EXISTING CONTOURS
	EXISTING CURB AND GUTTER
	PROPOSED FLOW DIRECTION
98.10	PROPOSED SPOT ELEVATION
	PROPOSED WALL
	PROPOSED SWALE
	PROPOSED ASPHALT
	PROPOSED CONCRETE

NOTE:
ALL SPOT ELEVATIONS ARE AT FLOW LINE



ZONE ATLAS E-18-Z



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P.O. BOX 65760
ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9246

NO.	REVISION	BY	DATE

PROJECT:
DATE:
HORIZ. SCALE:
VERT. SCALE:
DRAWN BY: BLN
CHECKED BY:
APPROVED BY:
FILE:

NEW MEXICO 9677 REGISTERED PROFESSIONAL ENGINEER DANIEL E. THOMPSON

SAN ANTONIO RV STORAGE

GRADING AND DRAINAGE PLAN

CITY/COUNTY REVIEW

DEPARTMENT	SIGN-OFF	DATE
WASTEWATER MGMT. DIV.		
WATER SERVICES		
SUBDIVISION ENG.		
STREETS		
TRAFFIC		

FOR CITY/COUNTY USE ONLY

SHEET No.

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