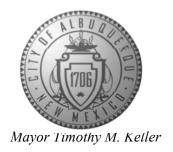
### CITY OF ALBUQUERQUE

Planning Department Alan Varela, Interim Director



October 27, 2021

David Soule, P.E. Rio Grande Engineering PO Box 93924 Albuquerque, New Mexico 87199

RE: **Budget** 6924 Osuna Rd. NE **Grading and Drainage Plan Engineers Stamp Date 10/12/2021 (E17D059B)** 

Dear Mr. Soule,

Based upon the information provided in your submittal received 10/12/2021, this plan is approved for Building Permit.

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

Sincerely,

Ernest Armijo, P.E.

Principal Engineer, Planning Dept.

**Development Review Services** 



## City of Albuquerque

### Planning Department

#### Development & Building Services Division

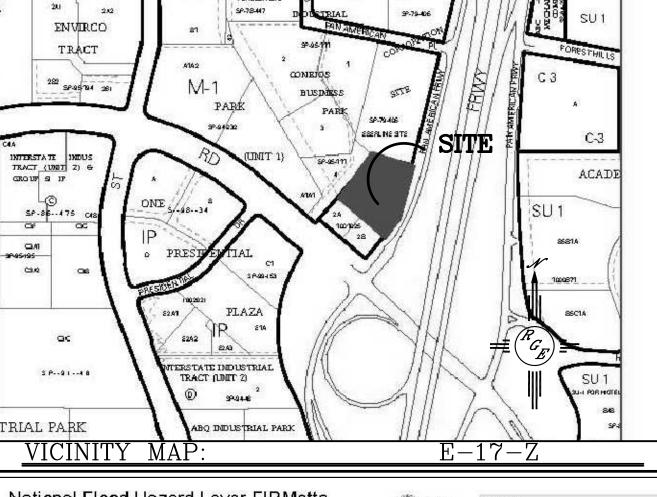
### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: BUDGET	Building Permit #:	Hydrol	ogy File #:
DRB#:	EPC#:	Work (	 Order#:
Legal Description: TR 1 SAWAYA AI	DDITION		
City Address: 6924 OSUNA		- went	
Applicant:		Contact:	
Address:			
Phone#:			
Other Contact: RIO GRANDE ENGIN	EERING	Contact:	DAVID SOULE
Address: PO BOX 93924 ALB NM	87199		
Phone#: 505.321.9099	The state of the s	E-mail: d	avid@riograndeengineering.com
TYPE OF DEVELOPMENT: PLAT			
Check all that Apply:			
DEPARTMENT:  X HYDROLOGY/ DRAINAGE  TRAFFIC/ TRANSPORTATION	<u>x</u> B	OF APPROVAL/ACCE UILDING PERMIT APPR ERTIFICATE OF OCCUR	OVAL
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATIONPAD CERTIFICATIONCONCEPTUAL G & D PLANX GRADING PLANDRAINAGE REPORTDRAINAGE MASTER PLANFLOODPLAIN DEVELOPMENT PERMITELEVATION CERTIFICATECLOMR/LOMRTRAFFIC CIRCULATION LAYOUT (TCITRAFFIC IMPACT STUDY (TIS)STREET LIGHT LAYOUTOTHER (SPECIFY)PRE-DESIGN MEETING?  IS THIS A RESUBMITTAL?:YesXN	SI S	RELIMINARY PLAT AP ITE PLAN FOR SUB'D A ITE PLAN FOR BLDG. F INAL PLAT APPROVAL ITE PLAN F ITE PLAN	APPROVAL PERMIT APPROVAL  JICIAL GUARANTEE APPROVAL AVAL AVAL ACATION A MENT PERMIT
DATE SUBMITTED:	By:		
COA STAFF:	ELECTRONIC SUBMITTAL	RECEIVED:	

# Weighted E Method Existing /Developed Basins PROPOSED Equations: Weighted E = Ea\*Aa + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area) Volume = Weighted D \* Total Area Flow = Qa \* Aa + Qb \* Ab + Qc \* Ac + Qd \* Ad Where for 100-year, 6-hour storm Qa= 1.84 Eb= 0.86 Qb= 2.49 Ec= 1.09 Qc= 3.17 BUILD WATER QUALITY POND FLOW RATE TOTAL FLOW WATER QUALIT\First flush requirement (Redevelopment=impx.26/12) 3.24 CFS 0.126 CF SUMMARY TOP=5169.50 **EXISTING** BOTTOM=5167.25 3.58 CFS 0.156 CF PROPOSED VOLUME=723 CU FT FIRST FLUSH VOLUME 0.340 CFS 1290.674 INCREASE VOLUME PROVIDED The subject property was analyzed and approved by drainage file E17-D059B. This site free discharges 3.24 csf to the Borealis channel. The proposed development is a addition of pavement and a servi building in the existing compacted gravel area. The proposed improvement increases the peak flow by0.34cfs. The improvements generate a first flush water quality required treatement volume of 219 c The proposed improvements will maintain existing drainage patterns and will retain 1469 CF, which exceeds the 1291 CFgenerated from the improvements and the water quality volume. The proposed improvements are the improvements and the water quality volume. The proposed improvements are the improvements and the water quality volume. The proposed improvements are the improvements and the water quality volume. The proposed improvements are the improvements and the water quality volume. The proposed improvements are the improvements and the water quality volume. The proposed improvements are the improvements and the water quality volume. The proposed improvements are the improvements are the improvements and the water quality volume. The proposed improvements are the improvement are the improvements are the improvement are overflow to the historic outfall at the parking lot and continue to drain to the existing concrete channel. The proposed improvements will not increase the flow rate and will manage the water quality onsite/ o 5170.20 ∘ 5170.77 o 5171.81 0,5172.65 • 5169.34 o 5172.80 o 5170.61 BUILD WATER QUALITY POND TOP=5168.00\_ BOTTOM=5166.00 VOLUME=746 CU FT ::NEW::PAVING ::NEW::PAVING:: 517.1..70. ·o·5171.46 EXISTING RUNDOWN TO -BOREALIS ARROYO EX. FF=5172.00 (AMAFCA) 2' CURB\_ OPENTIN@5168 City of Albuquerque Planning Department Development Review Services HYDROLOGY SECTION **APPROVED** DATE: 10/27/2021 BY: Enest Amijo HydroTrans# E17D059B CAUTION: EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

## EROSION CONTROL NOTES:

- 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
- 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 ACCEPTANCE OF ANY PROJECT.



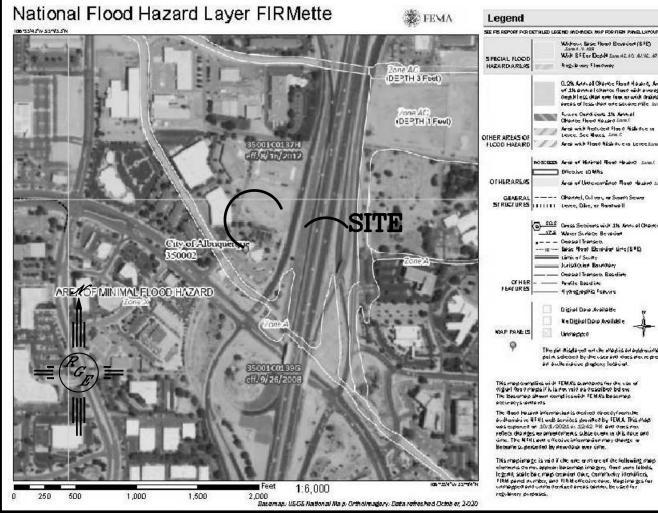
Without Base Floor Bevalues (BFE) James V. 200 With BFE or Depth James C. 40, 40, 40

0.2% Artical Charter Floor House, A of 1% arrival otherical floor with avera depth less than are floor arwith their areas of less than one source mile. It

Fourt Cardidats 1% Armel Charles Flood Heater James

Digiral Dara Available Na Digirol Doro Avoilable

The pirt displayed on the propies or opper paint advanced by the user and does not an authorisative property location.



LEGAL DESCRIPTION: TRACT 1 SAWAYA ADDITION

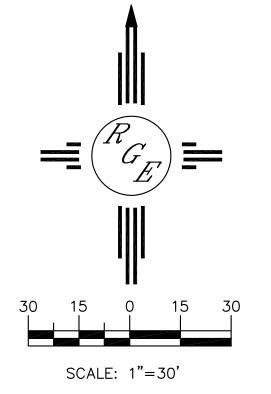
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.

## LEGEND

XXXX	EXISTING CONTOUR
XXXX	EXISTING INDEX CONTOUR
XXXX	PROPOSED CONTOUR
	PROPOSED INDEX CONTOUR
<b>—</b>	SLOPE TIE
o XXXX	EXISTING SPOT ELEVATION
× XXXX	PROPOSED SPOT ELEVATION
	BOUNDARY LINE
	CENTERLINE
	RIGHT-OF-WAY
	LIMITS OF NEW PAVING

EXISTING CURB AND GUTTER



ENGINEER'S SEAL	E
NID SOL	6
TID SOUTH MEXICO REGISTERS AROFESSIONAL	C
10/12/21	=

*DAVID SOULE* P.E. #14522

BUDGET	DRAWN BY <sub>WCWJ</sub>
6924 OSUNA NE	DATE 10-07-21 210210090-LAYOUT-10-07
GRADING AND DRAINAGE PLAN	



JOB # 210210090

SHEET #

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