

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

June 5, 2019

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

RE: **Avanyu Plaza Unit2**
1015 Indian School NW
Request for Certificate of Occupancy - Permanent
Hydrology Final Inspection –Approved
Grading Plan Stamp Date: 11/1/18
Certification Dated: 5/28/19
Hydrology File: H13D111

PO Box 1293

Dear Mr. Soule,

Based on the submittal received 5/29/19, this certification is approved in support of Permanent Certificate of Occupancy by Hydrology

Albuquerque

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

NM 87103

Sincerely,

www.cabq.gov

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

C: Email Fox, Debi; Tena, Victoria; Sandoval, Darlene; Costilla, Michelle



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: AVANYU PLAZA UNIT 2 **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: A PORTION OF TRACT 84e MRGCD MAP 35 AND ADJ VACATTED 9TH ST

City Address: 1015 INDIAN SCHOOL

Applicant: MARK THOMPSON-IPCC/IPMI **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: ___ PLAT ___ RESIDENCE DRB SITE ___ ADMIN SITE

Check all that Apply:

DEPARTMENT:

- HYDROLOGY/ DRAINAGE
- TRAFFIC/ TRANSPORTATION

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- BUILDING PERMIT APPROVAL
- CERTIFICATE OF OCCUPANCY
- PRELIMINARY PLAT APPROVAL
- SITE PLAN FOR SUB'D APPROVAL
- 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) _____

TYPE OF SUBMITTAL:

- ENGINEER/ARCHITECT CERTIFICATION
- PAD CERTIFICATION
- CONCEPTUAL G & D PLAN
- GRADING PLAN
- DRAINAGE REPORT
- DRAINAGE MASTER PLAN
- FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ELEVATION CERTIFICATE
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL)
- TRAFFIC IMPACT STUDY (TIS)
- STREET LIGHT LAYOUT
- OTHER (SPECIFY) _____
- PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: Yes ___ No

DATE SUBMITTED: _____ By: _____

COA STAFF: _____

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

1 2 T H S T R

I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 11/1/18. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided by CHRIS MEDINA #15702. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose

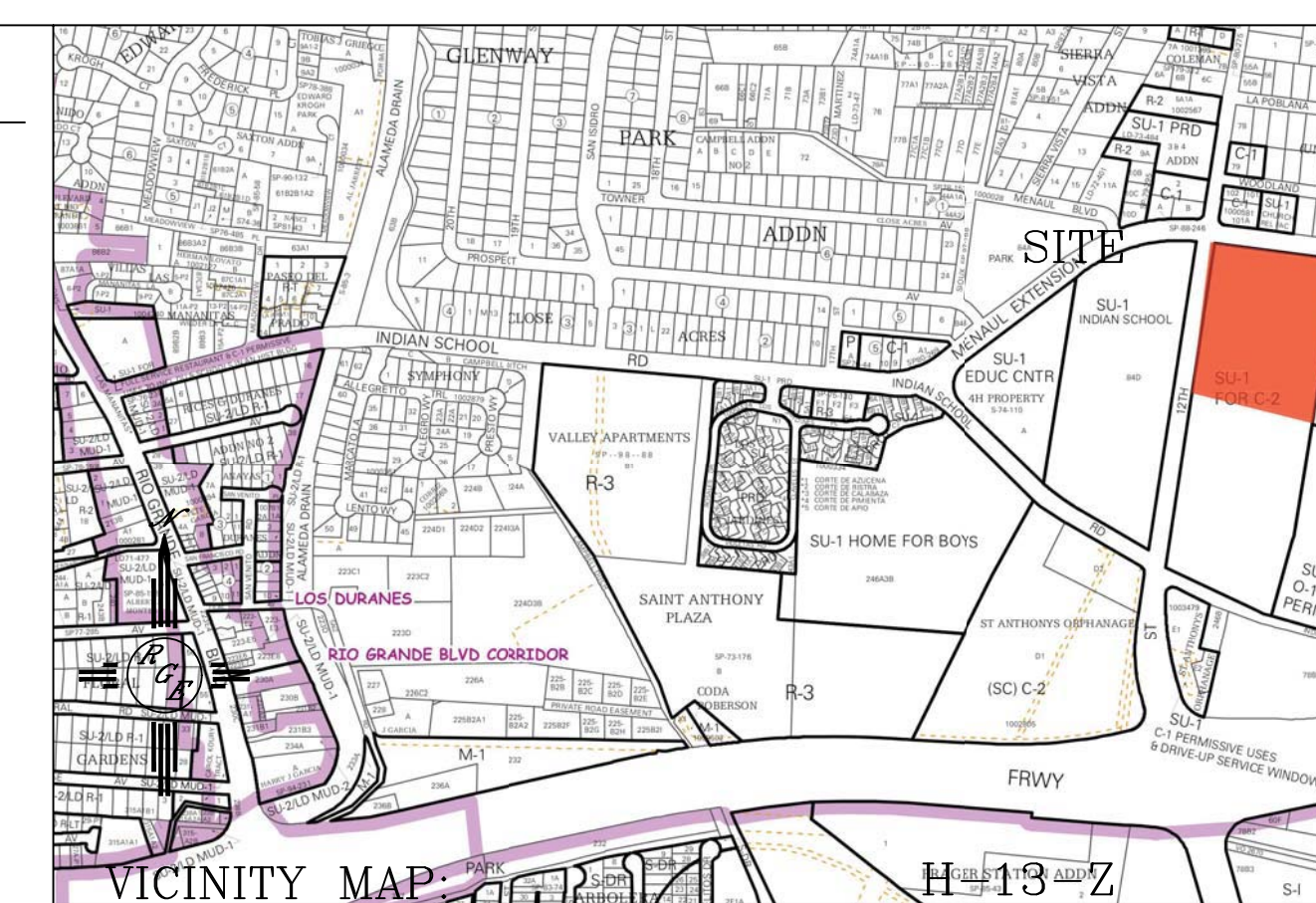
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

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 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 ACCEPTANCE OF ANY PROJECT.



5/28/19



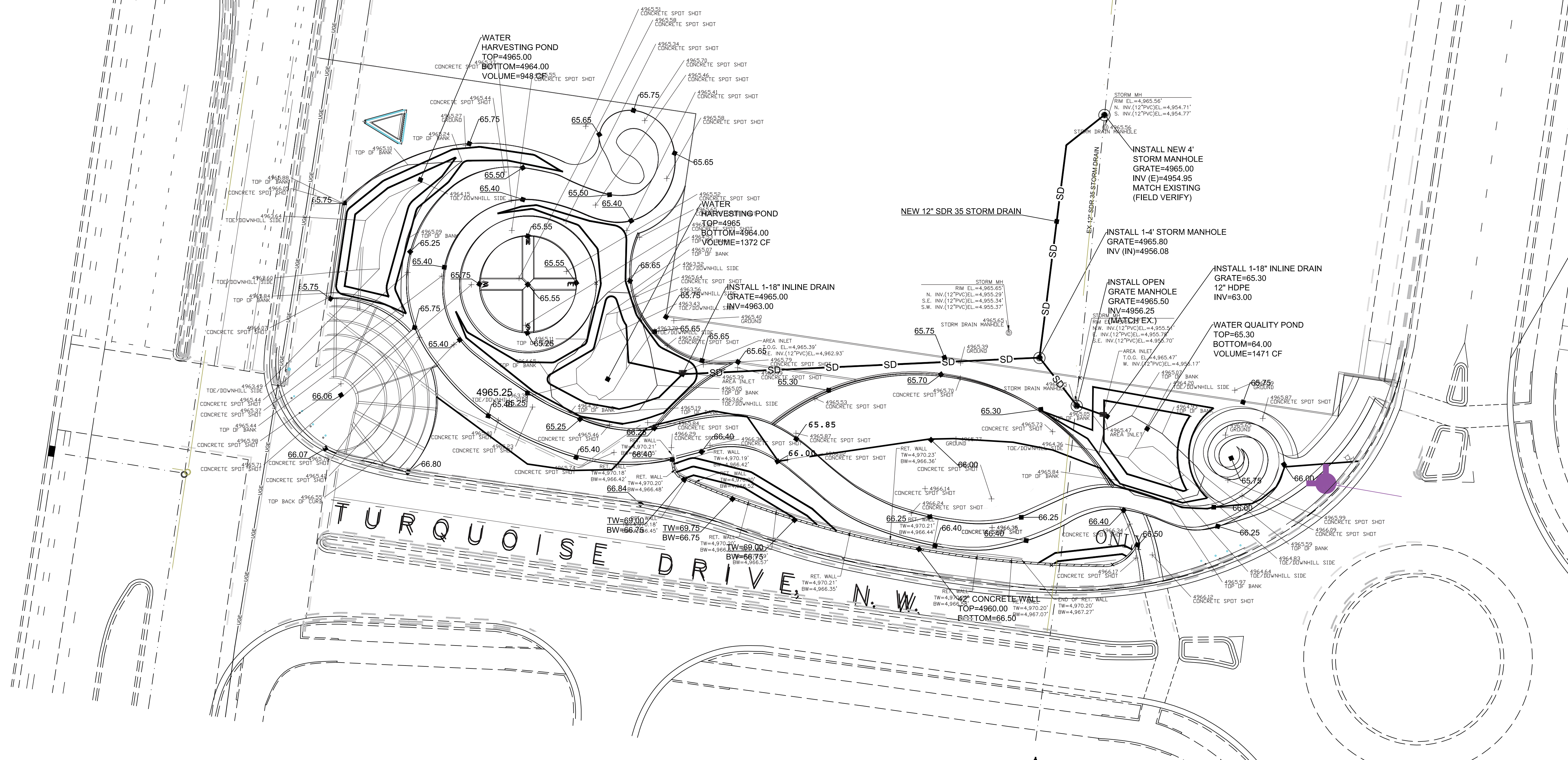
FIRM MAP:

LEGAL DESCRIPTION:

NOTES:

LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- SLOPE TIE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED CURB
- EXISTING CURB AND GUTTER
- EXISTING SIDEWALK



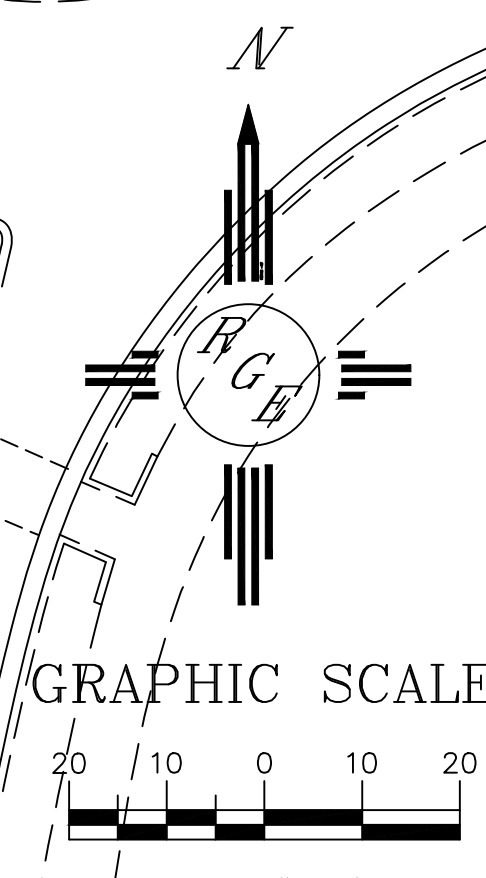
Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment				100-Year 6-hr		24-HOUR					
			%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)				
EXISTING	34290	0.787	0%	0	20.0%	0.157	72.0%	0.58678	8%	0.063	1.139	0.075	2.43	0.077
PROPOSED	34290	0.787	0%	0	19.0%	0.150	38.0%	0.29913	43%	0.338	1.489	0.298	2.87	0.109

Equations:
 Weighted E = Ea*As + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)
 Volume = Weighted E * Total Area
 Flow = Qa * As + Qb * Ab + Qc * Ac + Qd * Ad
 Where for 100-year, 6-hour storm (zone 2)
 Ea= 0.53, Eb= 0.78, Ec= 1.13, Ed= 2.12
 Qa= 1.57, Qb= 2.28, Qc= 3.14, Qd= 4.7

FIRST FLUSH VOLUME= 418 CF
FLOOD CONTROL VOLUME 4255 CF
PROVIDED 3791 CF

1.6 CFS DISCHARGE FROM ADJACENT SITE VIA 12" STORM DRAIN



NARRATIVE:
THIS IS A REDEVELOPMENT OF AN EXISTING LOT ON THE INDIAN CULTURAL CENTERS SITE. THE SITE IS GOVERNED BY A MASTER DRAINAGE PLAN. THIS SITE WILL RETAIN THE MAJORITY OF THE 100-YEAR 6-HOUR VOLUME. THE SITE WILL ENTER INTO AN EXISTING STORM DRAIN THAT WAS CONSTRUCTED WITH THE ADJACENT SITE (H130106). THE FLOW IS ROUTED TO A LIFT NORTH OF THIS PROJECT AREA ON SAME LOT. THE OUTFLOW IS CONTROLLED BY A LIFT STATION THAT PUMPS 1.89 CFS TO A CITY MAINTAINED STORM DRAIN DUE TO THE RETAINED VOLUME BEING SO LARGE THE DEVELOPMENT OF THIS SITE WILL NOT IMPACT THE EXISTING FUNCTIONALITY OF THE OVERALL SITE.

ENGINEER'S SEAL 	AVANYU PLAZA PHASE 2	DRAWN BY JGG
	GRADING AND DRAINAGE PLAN	DATE 11-01-2018
11/1/18		218130-LAYOUT-8-10-18
DAVID SOULE P.E. #14522	1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # 218130