CITY OF ALBUQUERO

Planning Department Brennon Williams, Director



April 26, 2021

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

RE: 1105 Silver Ave. SW

> **Grading and Drainage Plan** Engineer's Stamp Date: 04/19/21

Hydrology File: K13D079

Dear Mr. Soule:

Based upon the information provided in your submittal received 04/19/2021, the Grading and

Drainage Plan is approved for Building Permit. PO Box 1293

> 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.

Please provide Drainage Covenant for the detention pond per Article 6-15(C) of the DPM prior to Permanent Release of Occupancy. There is a recording fee (\$25, payable to Bernalillo County). Please contact 924-3996. Due to COVID-19, please follow the instructions:

Either mail or drop off the originals. Please mail the \$25.00 recording fee check made payable to Bernalillo County to:

Planning Dept./DRC 600 2nd St. NW, Ste. 400 ABQ, NM, 87102

If you drop off the originals, there is a drop box outside the building labeled DRC. Once approved and recorded, a copy will be email.

Albuquerque

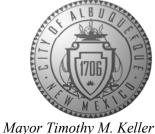
NM 87103

www.cabq.gov

Find Hydrology forms and information at: caba.gov/planning/development-review-services/hydrology-section

CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



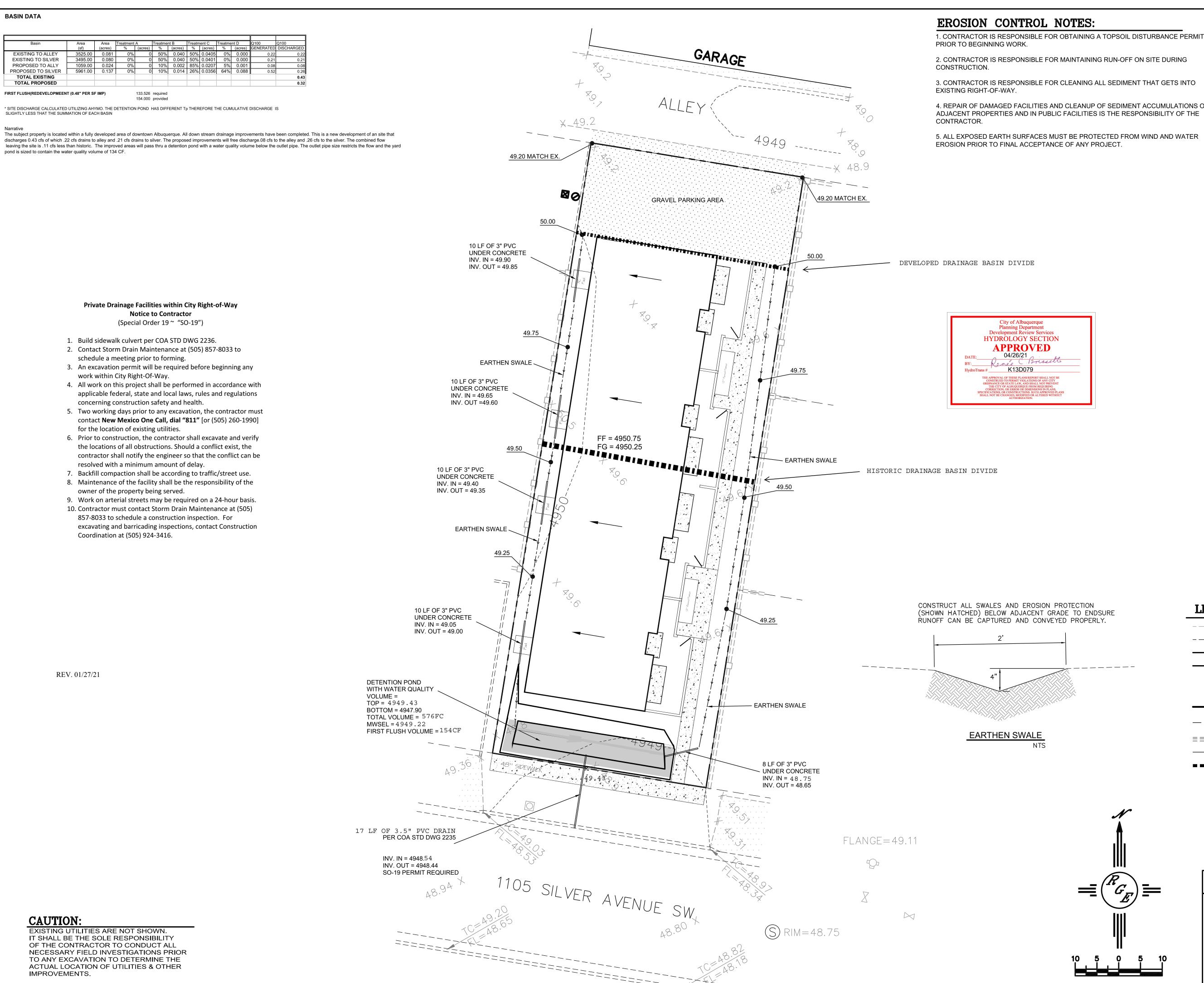
City of Albuquerque

Planning Department

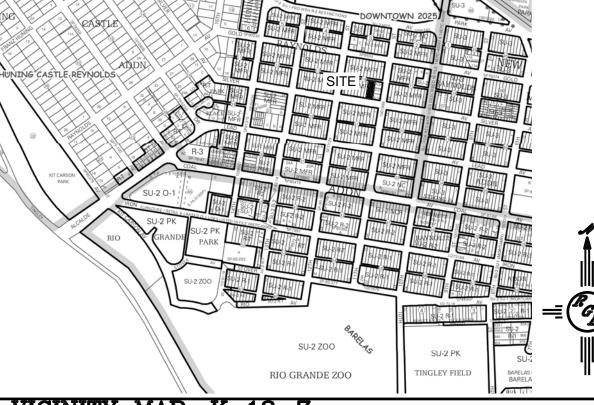
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

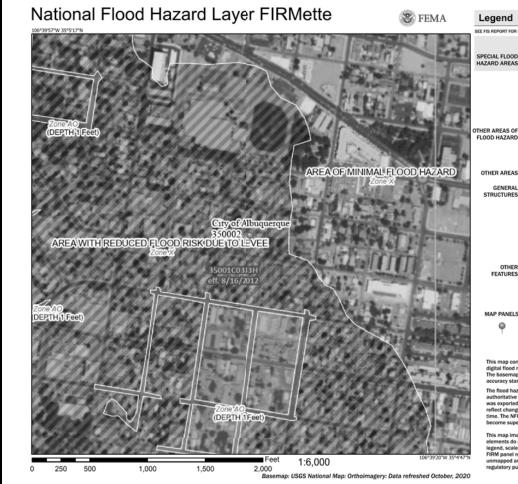
		Hydrology File #:	
DRB#:	_ EPC#:	Work Order#:	
Legal Description: LOT 15-A, BLOC	K 14 KAINOLDS SU	ORDIVISION	
City Address: 1105 SILVER SW			
Applicant:			
Address:			
Phone#:	_ Fax#:	E-mail:	
Other Contact: RIO GRANDE ENGIN Address: PO BOX 93924 ALB NM	EERING	Contact: DAVID SOULE	
Address: FO BOA 93924 ALB NM	E 4. 505.872.0999	E-mail: david@riograndeengineerir	ng.com
			-5
TYPE OF DEVELOPMENT: PLAT	X RESIDENCE	DRB SITE ADMIN SITE	
Check all that Apply:			
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION	<u></u> ві	OF APPROVAL/ACCEPTANCE SOUGHT: UILDING PERMIT APPROVAL ERTIFICATE OF OCCUPANCY	
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?	SIT	RELIMINARY PLAT APPROVAL ITE PLAN FOR SUB'D APPROVAL ITE PLAN FOR BLDG. PERMIT APPROVAL INAL PLAT APPROVAL IA/ RELEASE OF FINANCIAL GUARANTEE OUNDATION PERMIT APPROVAL RADING PERMIT APPROVAL O-19 APPROVAL AVING PERMIT APPROVAL RADING/ PAD CERTIFICATION /ORK ORDER APPROVAL LOMR/LOMR LOODPLAIN DEVELOPMENT PERMIT THER (SPECIFY)	
DATE SUBMITTED:	*		
COA STAFF:	ELECTRONIC SUBMITTAL R	RECEIVED:	



- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER



VICINITY MAP: K-13-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 15-A BLOCK 14 RAYNOLDS ADDITION CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

- 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.
- 3. ANY PERIMETER WALLS MUST BE PERMITED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- 5. A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING

LEGEND

	EXISTING CONTOUR
	EXISTING INDEX CONTOUR
XXXX -	PROPOSED CONTOUR
XXXX	PROPOSED INDEX CONTOUR
× XXXX	EXISTING SPOT ELEVATION
• XXXX	PROPOSED SPOT ELEVATION
	BOUNDARY
	ADJACENT BOUNDARY
=========	EXISTING CURB AND GUTTER
$-\!$	PROPOSED EARTHEN SWALE
	PROPOSED RETAINING WALL
	PROPOSED GRAVEL
	PROPOSED CONCRETE

Lot 15-A Blk 14 Raynolds Addition **ENGINEER'S** SEAL

BY DEM 1105 SILVER AVE. DATE 4-17-21 GRADING AND DRAINAGE PLAN Lot 15-A Blk 14 Raynolds Addition.dw Rio Grande

4/19/21

SHEET# 1 of 2 Lingineering PO BOX 93924 ALBUQUERQUE, NM 87199 (505) 321-9099 JOB#

DRAWN

DAVID SOULE P.E. #14522

SCALE: 1"=10'

POND STAGE-STORAGE

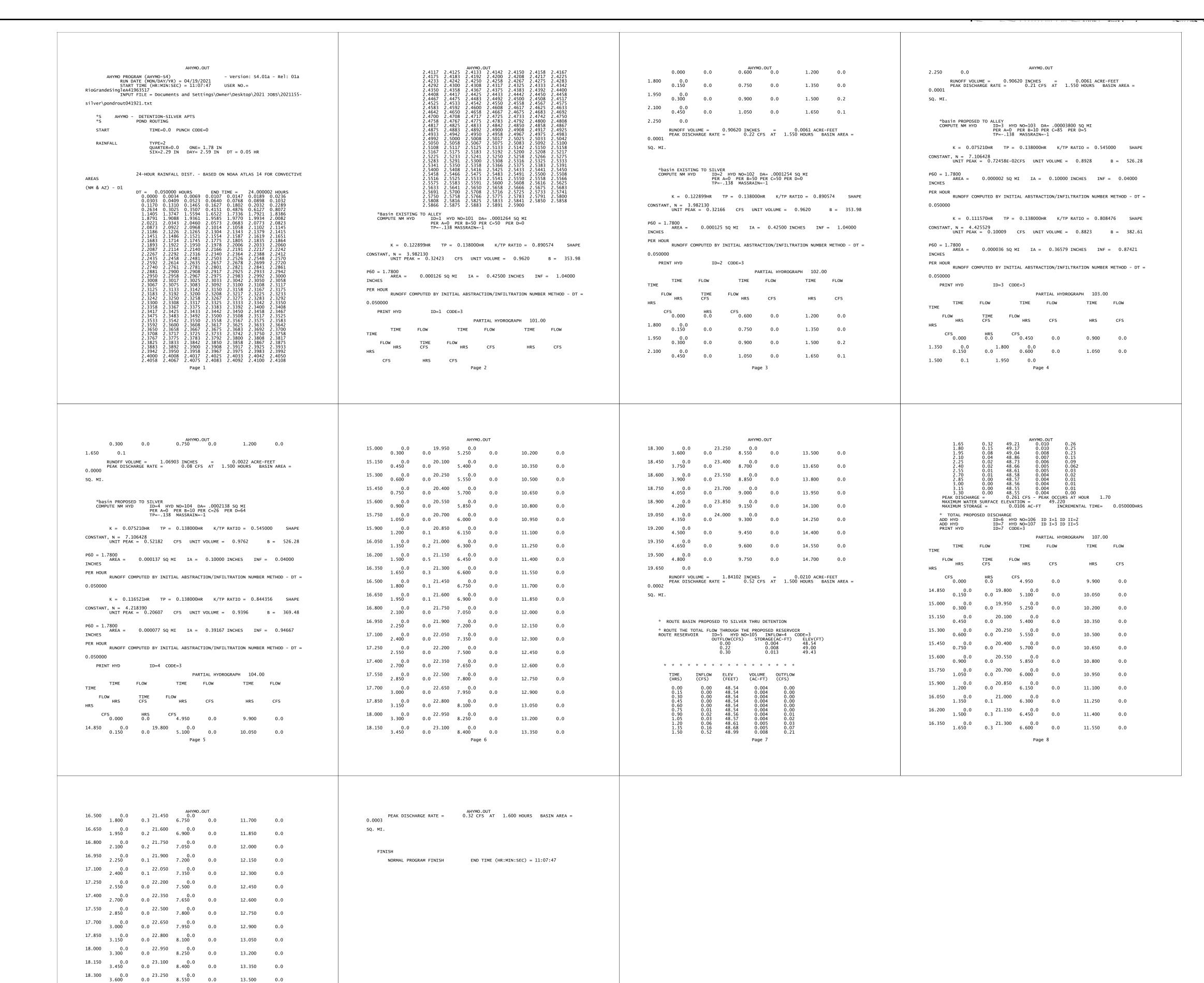
<u>OUTLET</u>

ACTUAL	DEPTH	AREA	VOLUME	VOLUME	VOLUME	Q
ELEV.	(FT)	SF	PER UNIT	CUMULATIVI	AC-FT	(CFS)
47.90	0.00	171.00	0	0	0.000	0.00
48.54	0.00	311.00	154.24	154.24	0.004	0.00
49.00	0.46	489.00	184.00	338.24	0.008	0.22
49.43	0.89	620.00	238.44	576.675	0.013	0.30

Orifice Equation
Q = CA SQRT(2gH)

Q(CFS)=

C = 0.6Diameter (in) 3.5
Area (ft^2)= 0.066813385 g = 32.2H (Ft) = Depth of water above center of orifice



Page 10

 18.450
 0.0
 23.400
 0.0
 0.0
 13.650
 0.0

 18.600
 3.900
 0.0
 23.550
 8.850
 0.0
 13.800
 0.0

 18.750
 0.0
 23.700
 0.0
 0.0
 13.950
 0.0

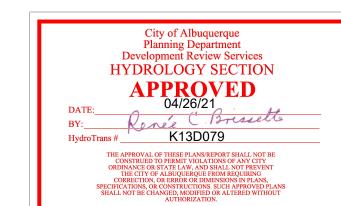
 18.900
 0.0
 23.850
 0.0
 0.0
 14.100
 0.0

19.050 0.0 24.000 0.0 4.350 0.0 9.300 0.0 14.250 0.0

19.200 0.0 24.150 0.0 4.500 0.0 9.450 0.0 14.400 0.0

RUNOFF VOLUME = 1.71829 INCHES = 0.0231 ACRE-FEET
Page 9

19.650 0.0



ENGINEER'S SEAL		Raynolds Addition	DRAWN BY DEM	
SOUTH MEXICO REGISTRATE AND SO	1105 SILVER AVE. CALCULATION SHEET		DATE 4-17-21 Lot 15-A Blk 14 Raynolds Addition.dwg	
4/19/21		Rio Grande Engineering	SHEET# 2 of 2	
DAVID SOULE P.E. #14522		ALBUQUERQUE, NM 87199 (505) 321-9099	JOB #	