

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 3, 2023

Jeffrey T. Wooten, P.E.
Wooten Engineering
PO Box 15814
Rio Rancho, NM 87174

**RE: Ray's Flooring – Phase 1
8920 Pan American Freeway NE
Conceptual Grading & Drainage Plans
Engineer's Stamp Date: 02/21/23
Hydrology File: J10D027**

Dear Mr. Wooten:

PO Box 1293

Based upon the information provided in your submittal received 02/23/2023, the Conceptual Grading & Drainage Plans are approved for action by the Development Facilitation Team (DFT) and Development Hearing Officer (DHO) on Preliminary/Final Plat.

Albuquerque

PRIOR TO BUILDING PERMIT:

NM 87103

1. Please submit a more detailed Grading & Drainage Plan to Hydrology for review and approval. Please note that existing detention pond outfall structure will have to be relocated and/or replaced to the bottom of the new proposed deepened detention pond. This digital (.pdf) is emailed to PLNDRS@cabq.gov along with the Drainage Transportation Information Sheet.

www.cabq.gov

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)

Rays Flooring Phase 1

Project Title: Tenant Addition **Building Permit #:** _____ **Hydrology File #:** J12-D027
DRB#: PR-2022-007645 **EPC#:** _____ **Work Order#:** _____
Legal Description: Lot 2, Tract S-1, Atrisco Business Park, Unit 2
City Address: 7401 Los Volcanes Rd NW, 87121

Applicant: Wooten Engineering **Contact:** Jeffrey T. Wooten, P.E.
Address: PO Box 15814, Rio Rancho, NM 87174
Phone#: 505-980-3560 **Fax#:** N/A **E-mail:** jeffwooten.pe@gmail.com

Owner: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

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

IS THIS A RESUBMITTAL?: _____ Yes ☒ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION ☒ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
☒ CONCEPTUAL G & D PLAN
____ 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:

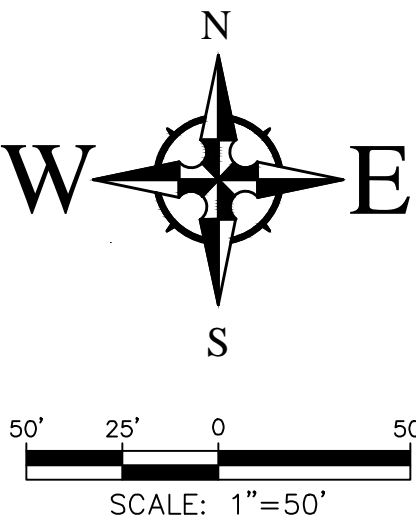
____ BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY
☒ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
____ GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: February 23, 2023 **By:** Jeffrey T. Wooten, P.E.

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

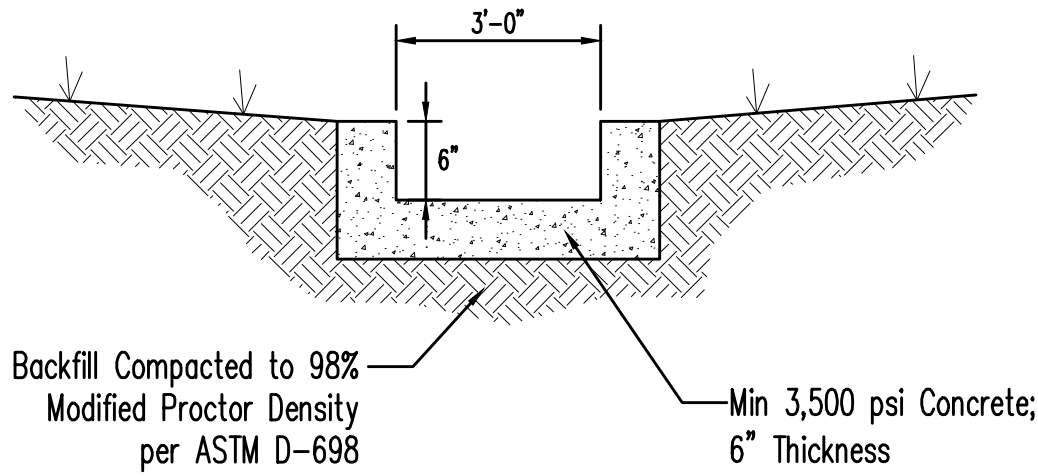
FEE PAID: _____



<u>27.8</u>	PROPOSED TOP OF GRADE/PVMT ELEVATIONS
<u>FL27.8</u>	PROPOSED FLOW LINE/GUTTER ELEVATIONS
<u>TC27.8</u>	PROPOSED TOP OF CURB ELEVATIONS
<u>TS27.8</u>	PROPOSED TOP OF SIDEWALK ELEVATION
$-(1.11')$ <u>FGH83.40</u>	FINISHED GRADE AT TOP OF WALL
<u>FGL83.40</u>	FINISHED GRADE AT BOTTOM OF WALL

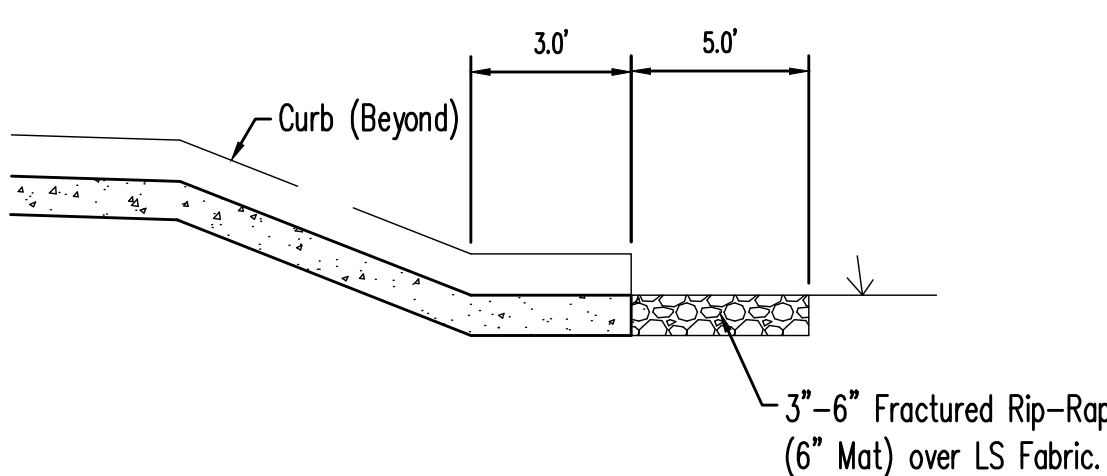
CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



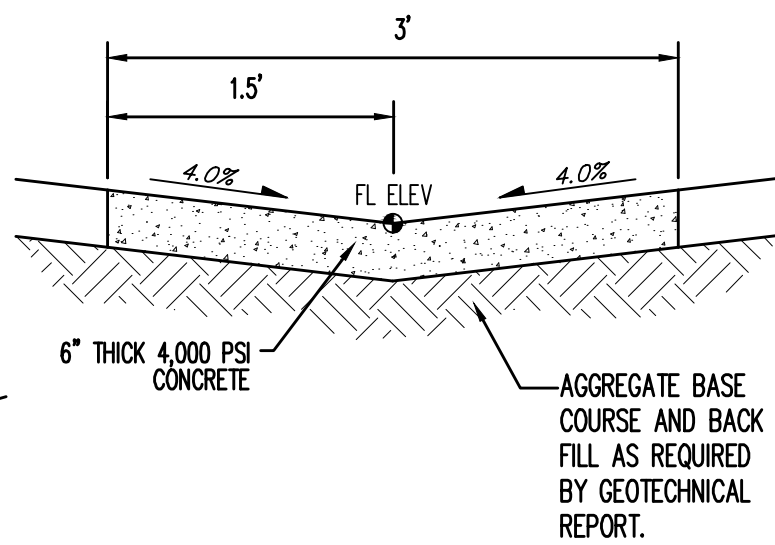
3' Concrete Flume Detail

ENTS



Typical Flume Cross Section

NTS

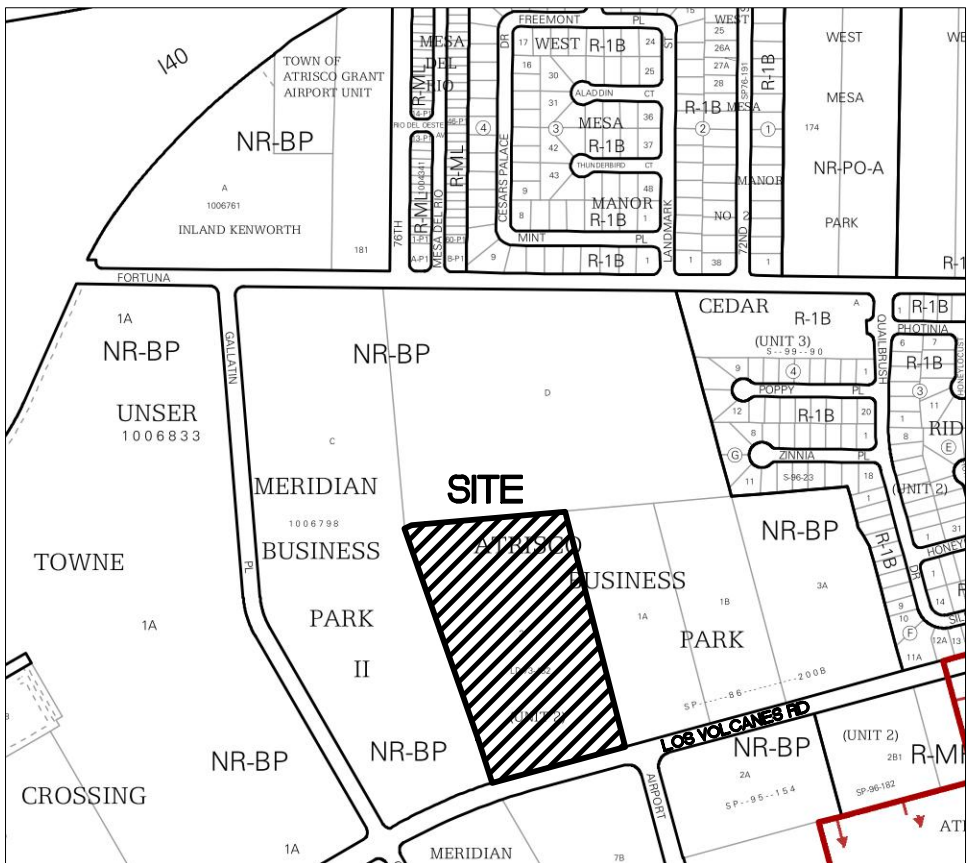


Valley Gutter Detail

NTS

ACS Monument " 9-K10 "
NAD 1983 CENTRAL ZONE
X=1498430.817 *
Y=1485617.623 *
Z=5117.72 * (NAVD 1988)
G-G=0.999682230
Mapping Angle=-0°16'22.01"
*U.S. SURVEY FEET

NO WORK SHALL BE PERFORMED IN THE
PUBLIC RIGHT-OF-WAY WITHOUT AN
APPROVED WORK ORDER OR EXCAVATION
PERMIT.



VICINITY MAP

LEGAL DESCRIPTION:

Lot 2, in Tract "S-1" of Unit 2, Atrisco Business Park, Albuquerque, NM.

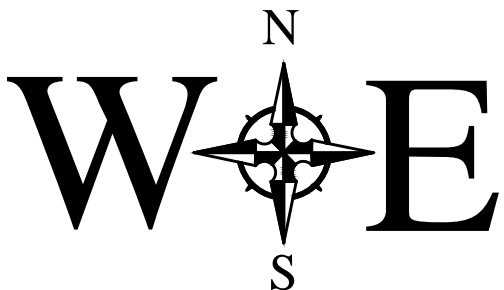


FIRM MAP 35001C0328J

Per FIRM Map 35001C0328J, dated November 04, 2016, the site is not located in the Floodplain and determined to be outside the 0.2% chance Annual Floodplain.'

GRADING NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT ("FIRST PRIORITY") SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR HIGHWAY. THIS SHALL BE ACHIEVED BY CONSTRUCTING AND MAINTAINING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND ADHERED TO THROUGHOUT THE CONSTRUCTION OF THE PROJECT. A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
8. PAVING AND ROADWAY GRADES SHALL BE $\pm 0.05'$ FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE $\pm 0.05'$ FROM BUILDING PLAN ELEVATION.
9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREAS AND MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.
10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION (IF APPLICABLE) PRIOR TO BEGINNING CONSTRUCTION.
11. THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.



Wooten Engineering
PO Box 15814
Rio Rancho, NM 87174
Phone: (505) 980-3560



STUDIO CONSULTANTS, INC
100 Gold Ave. SW, Suite 205,
Albuquerque, NM 87102
Daniel@ariascinc.com (505) 506-2314



Ray's Flooring
Phase 1 Tenant Addition
NM Sol
7401 Los Volcanes Road NW
Albuquerque, NM 87121

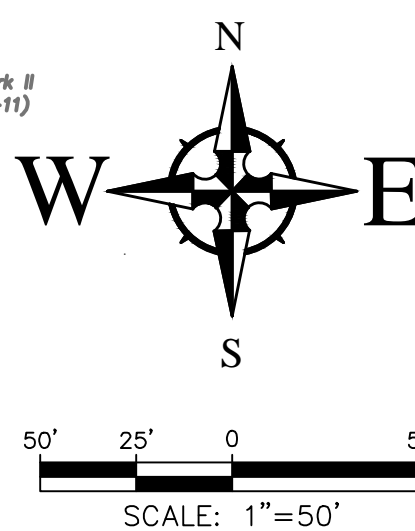
NOT FOR
CONSTRUCTION

Architect/Engineer Seal

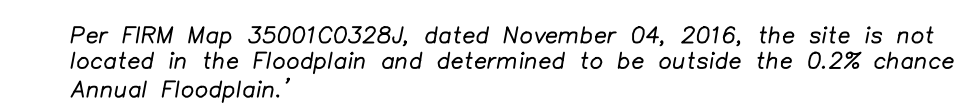
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<i>revisions</i>		
<i>issue</i>		95% REVIEW PLANS
<i>project no</i>		2021034
<i>drawn by</i>		
<i>checked by</i>		
<i>date</i>		February 10, 2023

OVERALL CONCEPTUAL GRADING PLAN

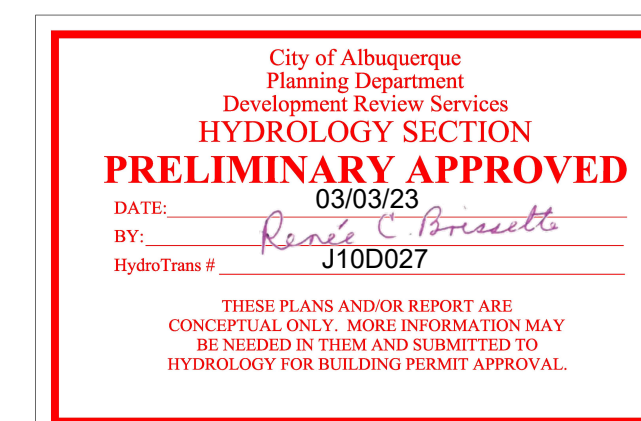
C100



TOTAL NEW IMPERVIOUS AREA = 0 SF
FIRST FLUSH = $0 * 0.42" / 12 = 0$ CF
TOTAL VOLUME PROVIDED = 13.234 CF

Ref Sheet C102 for Pond Calculations

This drainage management plan conforms to the original approved Drainage Plan prepared by Jeffrey G. Mortensen, P.E. and with the City of Albuquerque DPM. With this submittal, we are requesting Preliminary and Final Plat approval.



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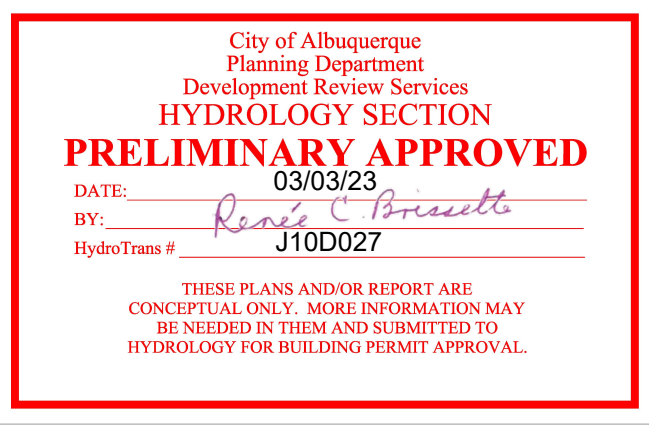
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DRAINAGE MANAGEMENT PLAN



C101

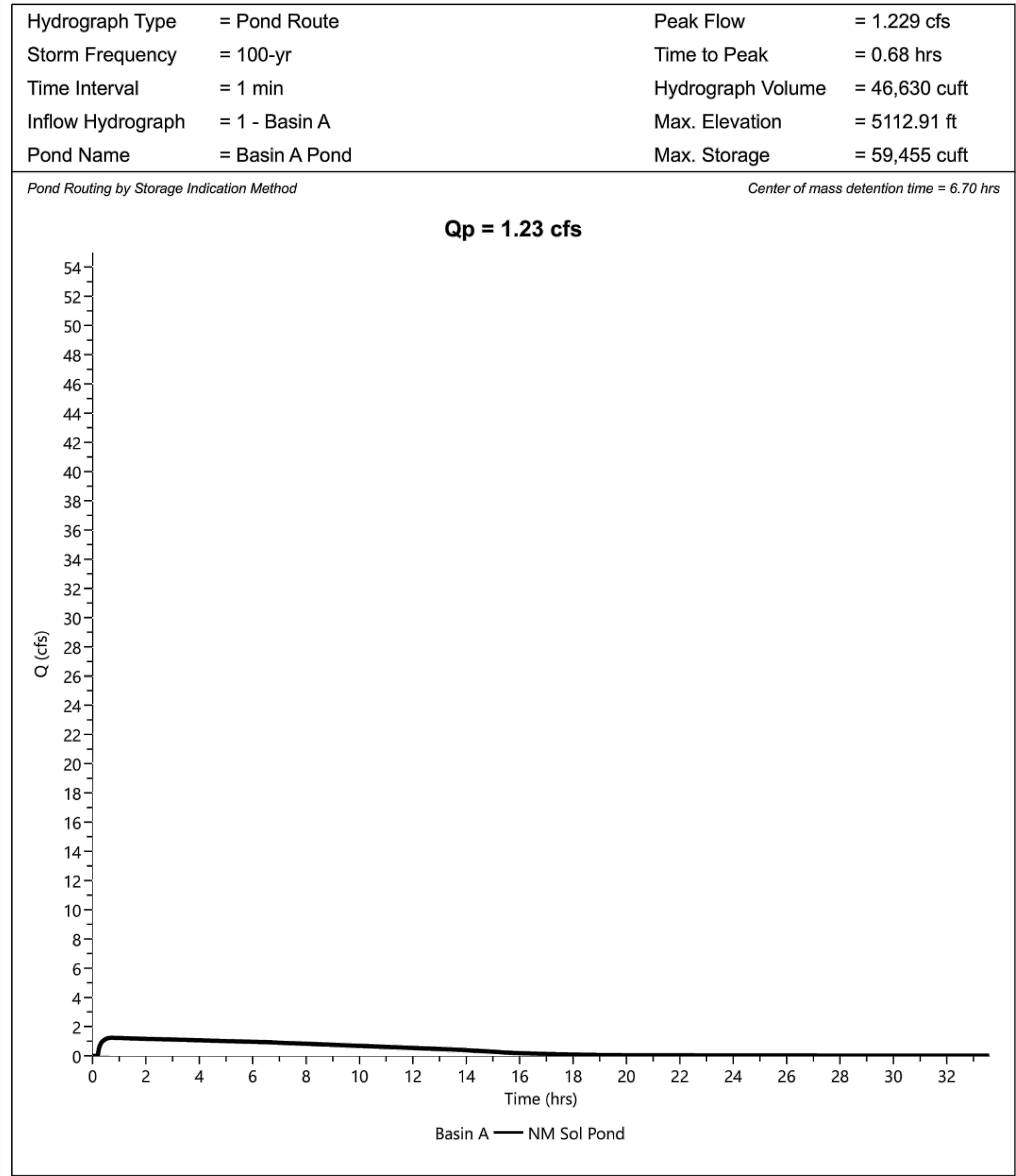


Hydrograph 100-yr Summary

Hydrology Studio v 3.0.0.26							
Project Name: 02-08-2023							
Hyd. No.	Hydrograph Type	Hydrograph Name	Peak Flow (cfs)	Time to Peak (hrs)	Hydrograph Volume (cuft)	Inflow Hyd(s)	Maximum Elevation (ft)
1	Rational	Post Basin A	48.58	0.23	61,216	----	
2	Pond Route	Post NM Sol Pond	1.229	0.68	46,630	1	5112.91
							59,455

Hydrograph Report

Hydrology Studio v 3.0.0.26		Project Name: 02-08-2023	
Post NM Sol Pond		Hyd. No. 2	



Pond Report

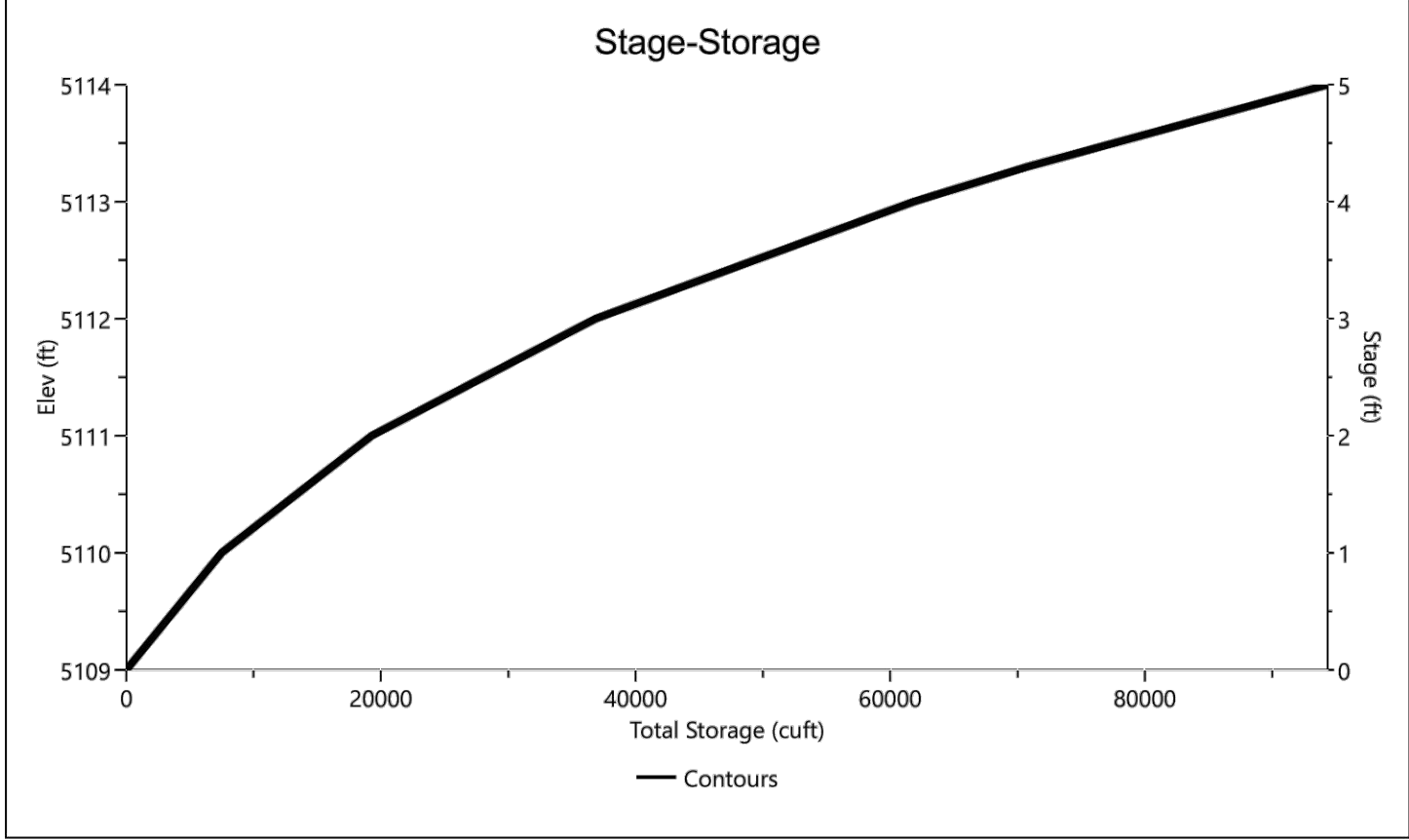
Hydrology Studio v 3.0.0.26

02-08-2023

Basin A Pond

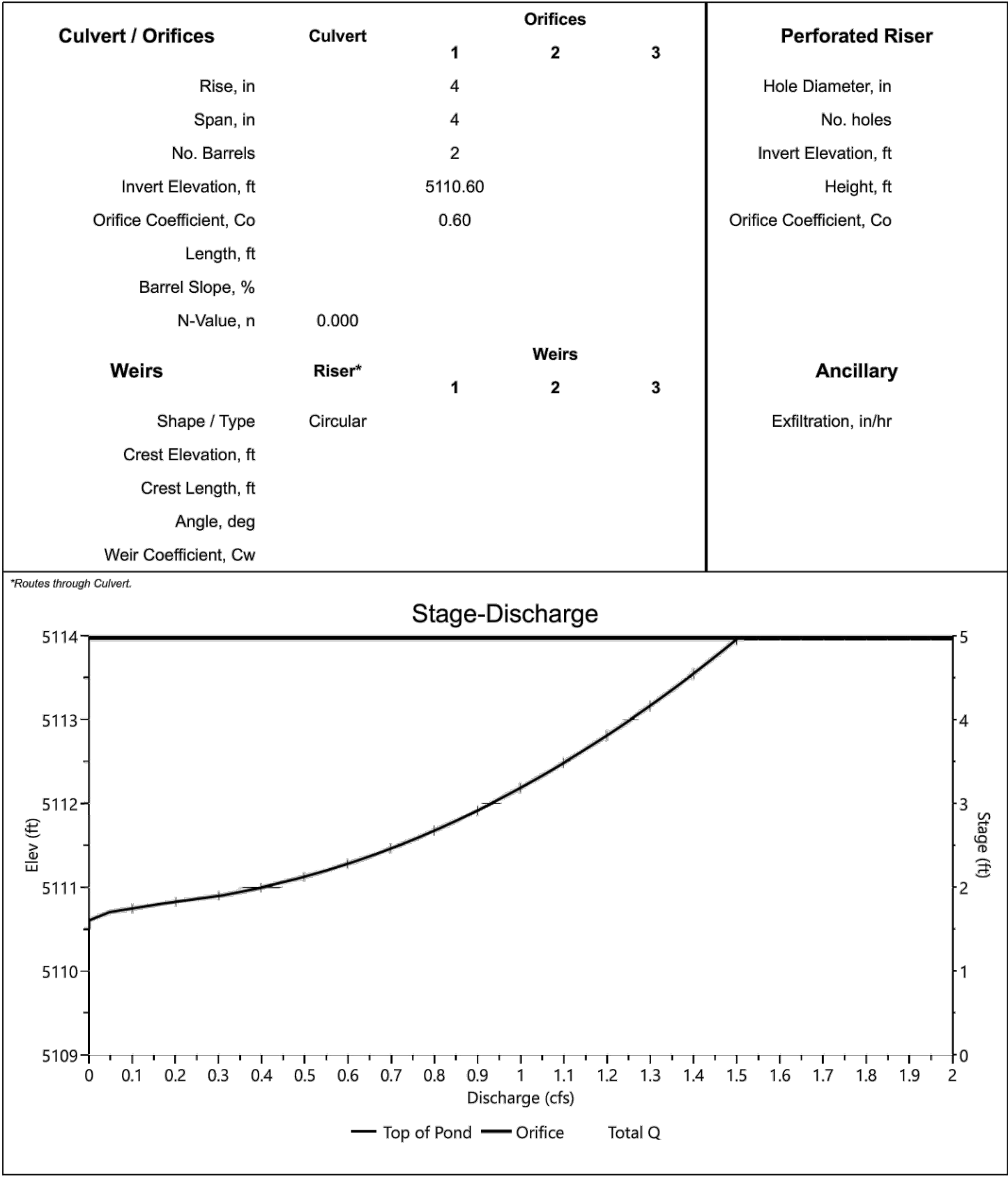
Stage-Storage

User Defined Contours		Stage / Storage Table				
Description	Input	Stage (ft)	Elevation (ft)	Contour Area (sqft)	Incr. Storage (cuft)	Total Storage (cuft)
Bottom Elevation, ft	5109.00	0.00	5109.00	5,488	0.000	0.000
Voids (%)	100.00	1.00	5110.00	9,502	7,495	7,495
Volume Calc	Ave End Area	2.00	5111.00	14,054	11,778	19,273
		3.00	5112.00	21,126	17,590	36,863
		4.00	5113.00	28,844	24,985	61,848
		4.30	5113.30	30,847	8,948	70,796
		5.00	5114.00	36,540	23,592	94,388



Pond Report

Hydrology Studio v 3.0.0.26		Project Name: 02-08-2023	
Basin A Pond		Stage-Discharge	



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POND CALCULATIONS

C102