

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

October 16, 2023

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

RE: 2945 Trellis Dr. NW
Permanent C.O. – Accepted
Engineer's Certification Date: 10/10/23
Engineer's Stamp Date: 10/03/22
Hydrology File: G12D037B

Dear Mr. Soule:

PO Box 1293 Based on the Certification received 10/10/2023 and site visit on 10/13/2023, this letter serves as a “green tag” from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

NM 87103 Sincerely,

Renée C. Brissette

www.cabq.gov 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 6/2018)

Project Title: 2945 TRELLIS NW **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT a-4-B LANDS OF MICHAEL
City Address: 2945 TRELLIS NW

Applicant: Linda Cecil **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 (x3) _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
_____ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

☒ ENGINEER/ARCHITECT CERTIFICATION
_____ PAD CERTIFICATION
_____ CONCEPTUAL G & D PLAN
_____ GRADING PLAN
_____ DRAINAGE REPORT
_____ DRAINAGE MASTER PLAN
_____ FLOODPLAIN DEVELOPMENT PERMIT APPLICATION
_____ 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

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: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

























Weighted E Method											
Basin	Area (sf)	Area (acres)	Treatment A % (GPRs)	Treatment B % (GPRs)	Treatment C % (GPRs)	Treatment D % (GPRs)	Weighted E (ac-ft)	100-yr 6-hr Volume (ac-ft)	Flow cfs	Volume (ac-ft)	100-yr 24-hr Volume (ac-ft)
HISTORICAL	12526.00	0.288	100%	0.2876	0%	0.000	0.000	0.820	0.015	0.49	0.015
PROPOSED	12526.00	0.288	0%	0.36%	8.104	31%	0.089	0.53%	0.095	1.312	0.533
Equations:											
Weighted E = Ea* <i>Aa</i> + Eb* <i>Ab</i> + Ec* <i>Ac</i> + Ed* <i>Ad</i> / (Total Area)											
Volume = Weighted D * Total Area											
Flow = Qa * <i>Aa</i> + Qb * <i>Ab</i> + Qc * <i>Ac</i> + Qd * <i>Ad</i>											
Where for 100-year, 6-hour storm (zone2)											
Ea= 0.62 Qa= 1.71											
Eb= 0.8 Qb= 2.36											
Ec= 1.03 Qc= 3.05											
Ed= 2.33 Qd= 4.34											
Developed Conditions											
TOTAL VOLUME											
HISTORICAL GENERATION 647.18											
PROPOSED GENERATION 1574.31											
PROVIDED 1656											
This site is a proposed plat lot within and existing fully developed area. The lot is required to retain the entire flow onsite. The site will conform to the valley flat area drainage scheme. The site will retain the 100-year 24-hour volume. The ponds overflow to the roadway at top of pond. The surrounding area is flat and no offsite flows impact the site. The first flush volume is retained on site.											

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 10/3/22. The certification is submitted in support of a request for **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.



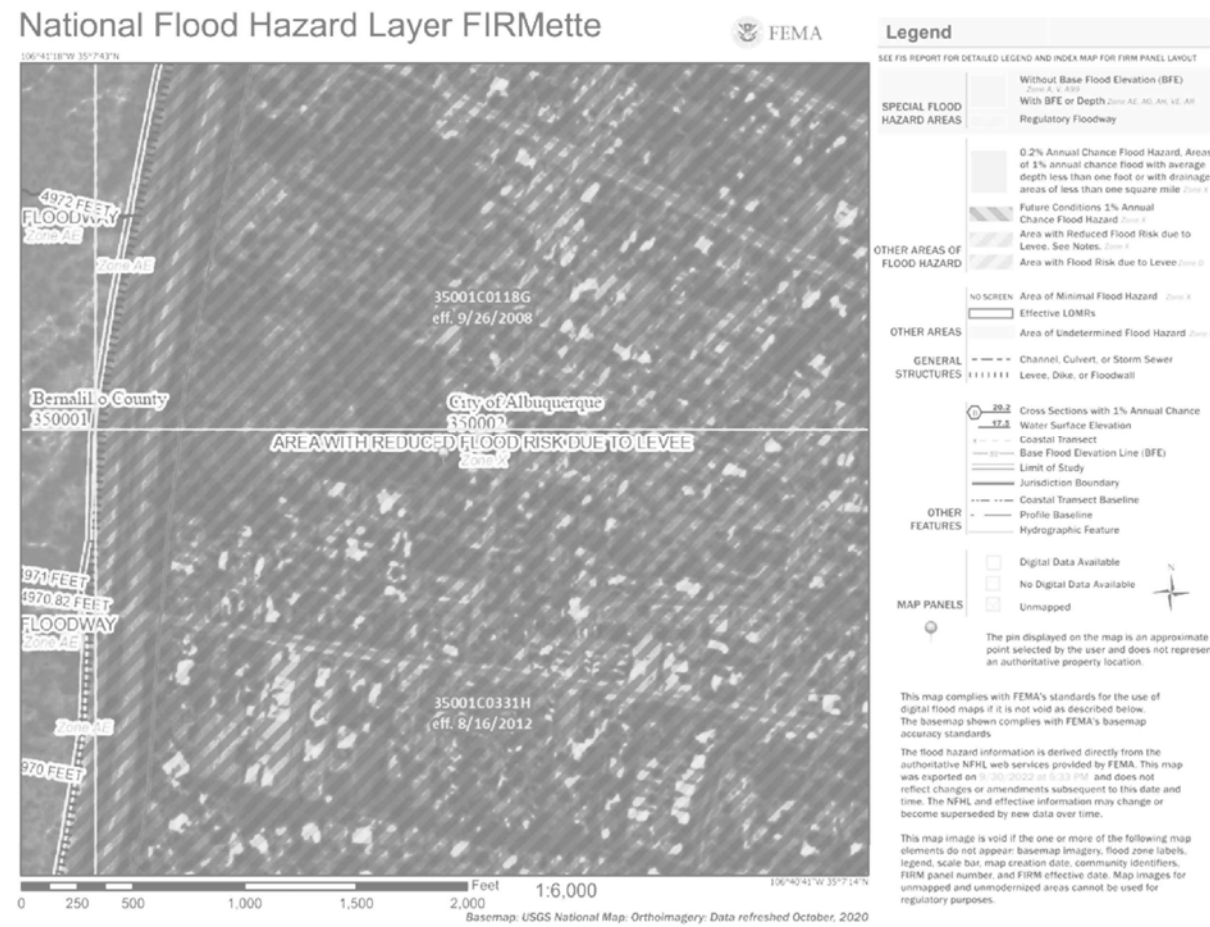
10/10/23

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: G-12-Z



FIRM MAP:

LEGAL DESCRIPTION:

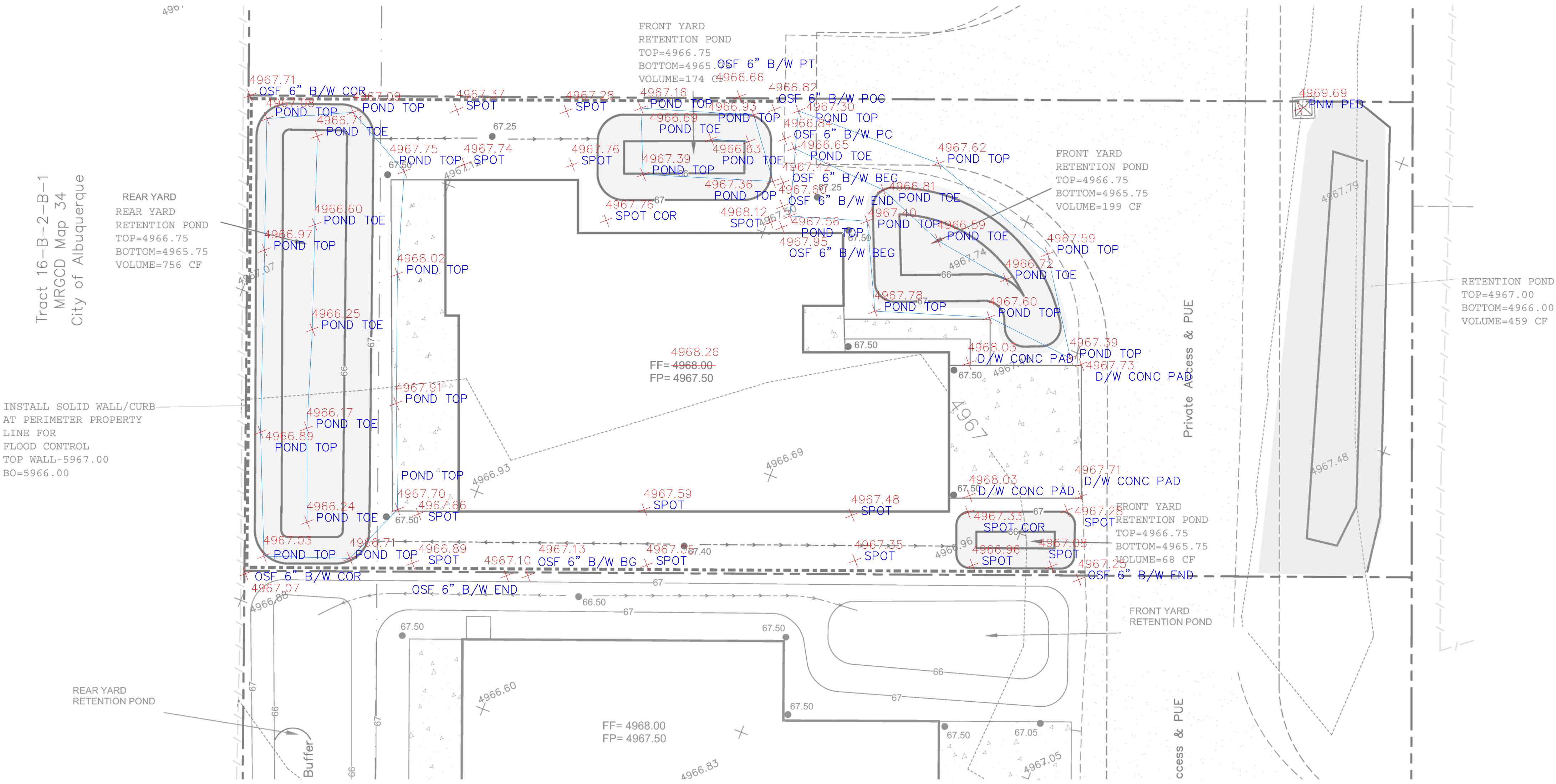
LOTS A-4-B LANDS OF MICHAEL J. SNOW & ELIZABETH T. SNOW
CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

NOTES:

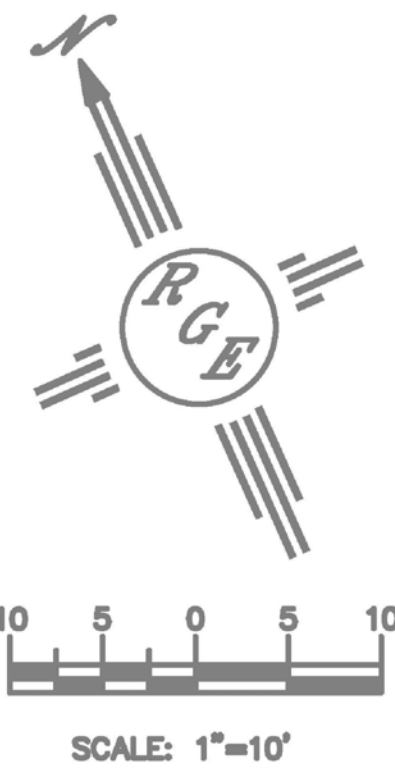
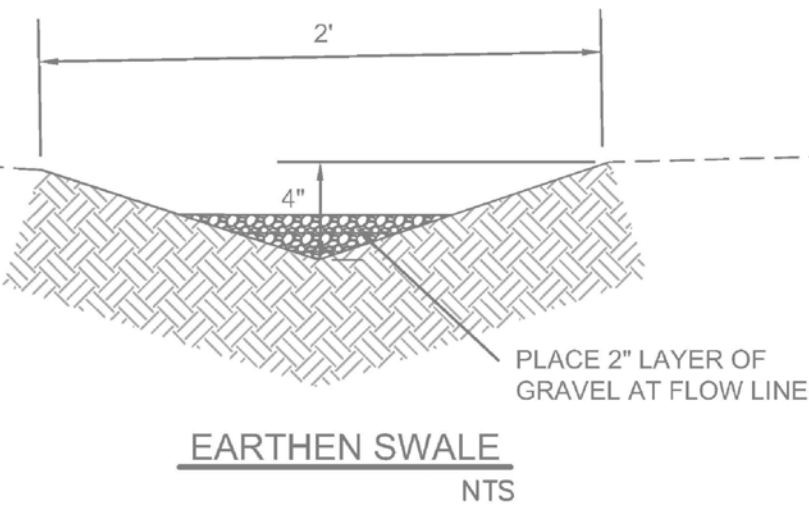
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

LEGEND

- XXXXX ----- EXISTING CONTOUR
- XXXXX ----- EXISTING INDEX CONTOUR
- XXXXX ----- PROPOSED CONTOUR
- XXXXX ----- PROPOSED INDEX CONTOUR
- XXXXX EXISTING SPOT ELEVATION
- XXXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER
- PROPOSED EARTHEN SWALE
- PROPOSED PONDING
- PROPOSED CONCRETE



CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



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.

Asbuilt
LOT 4-A-B
LANDS OF MICHAEL J. SNOW & ELIZABETH T. SNOW

DATE 9/28/23
CREW LRC/PGF
DRAFTING JMW
GPS PRIMO
JN N942-06

Community
Sciences
Corporation

Land Surveying
(505) 897.0000

ENGINEER'S SEAL	LOTS A-4-B LANDS OF MICHAEL J. SNOW & ELIZABETH T. SNOW	DRAWN BY DEM
DAVID SOULE P.E. #14522		DATE 10-2-22
DAVID SOULE P.E. #14522	GRADING AND DRAINAGE PLAN	LI AAA - A/C Lands of Michael Snow, Inc.
		SHEET # C1
		JOB #