CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



May 3, 2022

Robert Fierro, P.E. Fierro & Company 6300 Montano Rd. NW Albuquerque, NM 87120

RE: Albuquerque Ranch Estates, Unit II

Grading and Drainage Plans Engineer's Stamp Date: 04/21/22

Hydrology File: E22D002

Dear Mr. Fierro:

Based upon the information provided in your submittal received 04/22/2022, the Grading & Drainage Plans approved for Work Order and Grading Permit. Please place this stamp approved

Grading & Drainage Plan to the Work Order set of construction drawings.

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, <u>jhughes@cabq.gov</u>, 924-3420) 14 days prior to

NM 87103 any earth disturbance.

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

www.cabq.gov

PO Box 1293

Sincerely,

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology

Renée C. Brissette

Planning Department



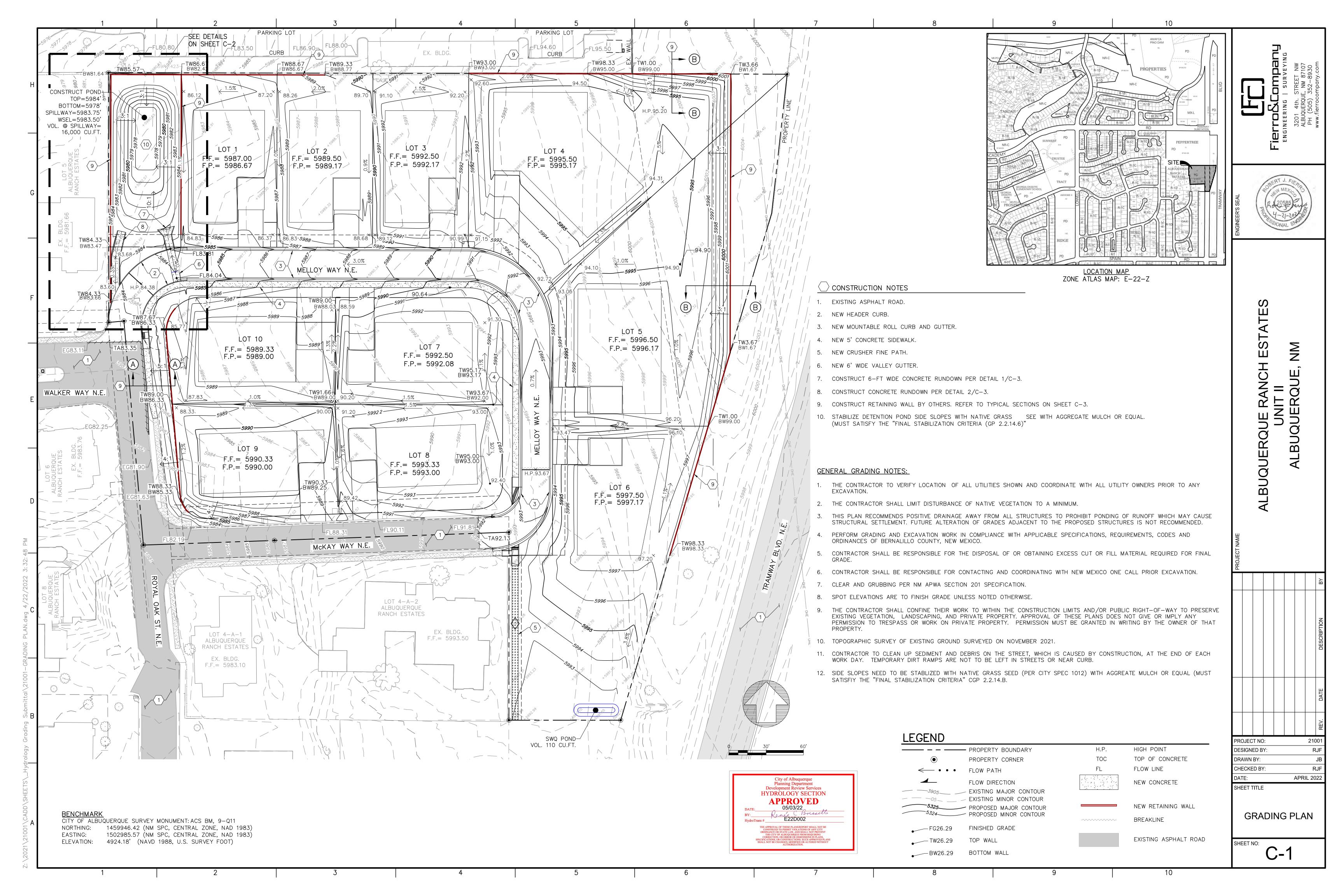
City of Albuquerque

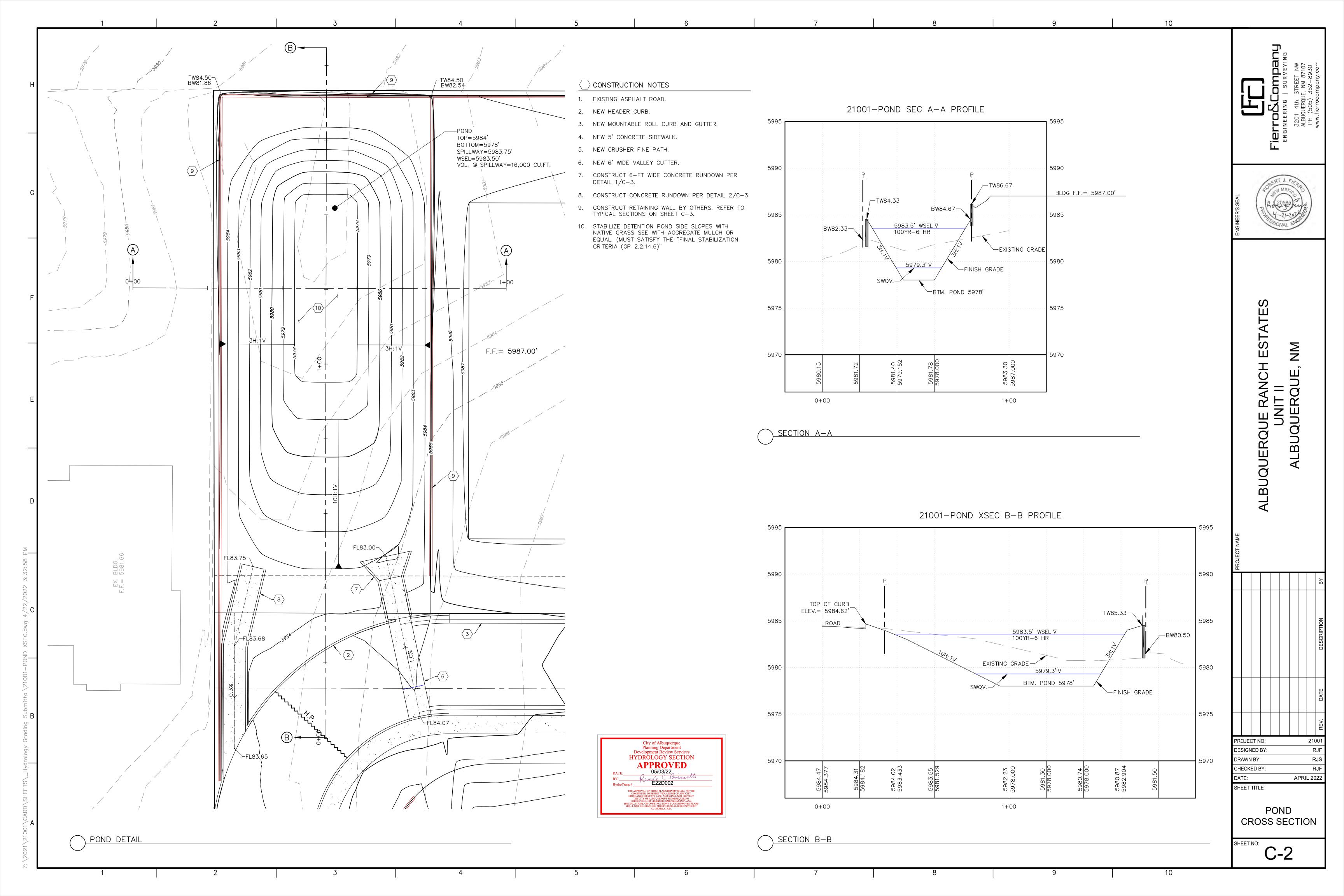
Planning Department Development & Building Services Division

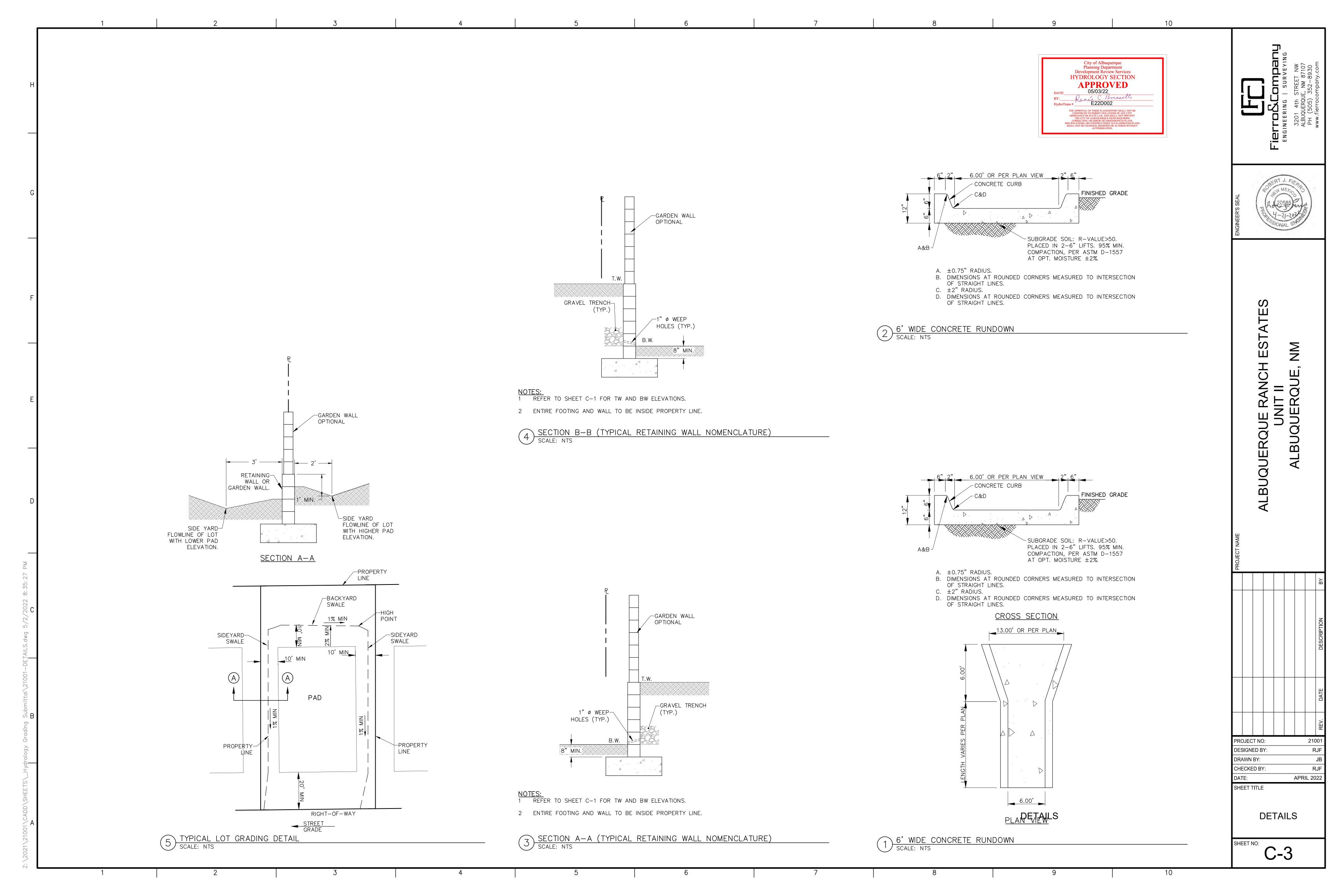
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

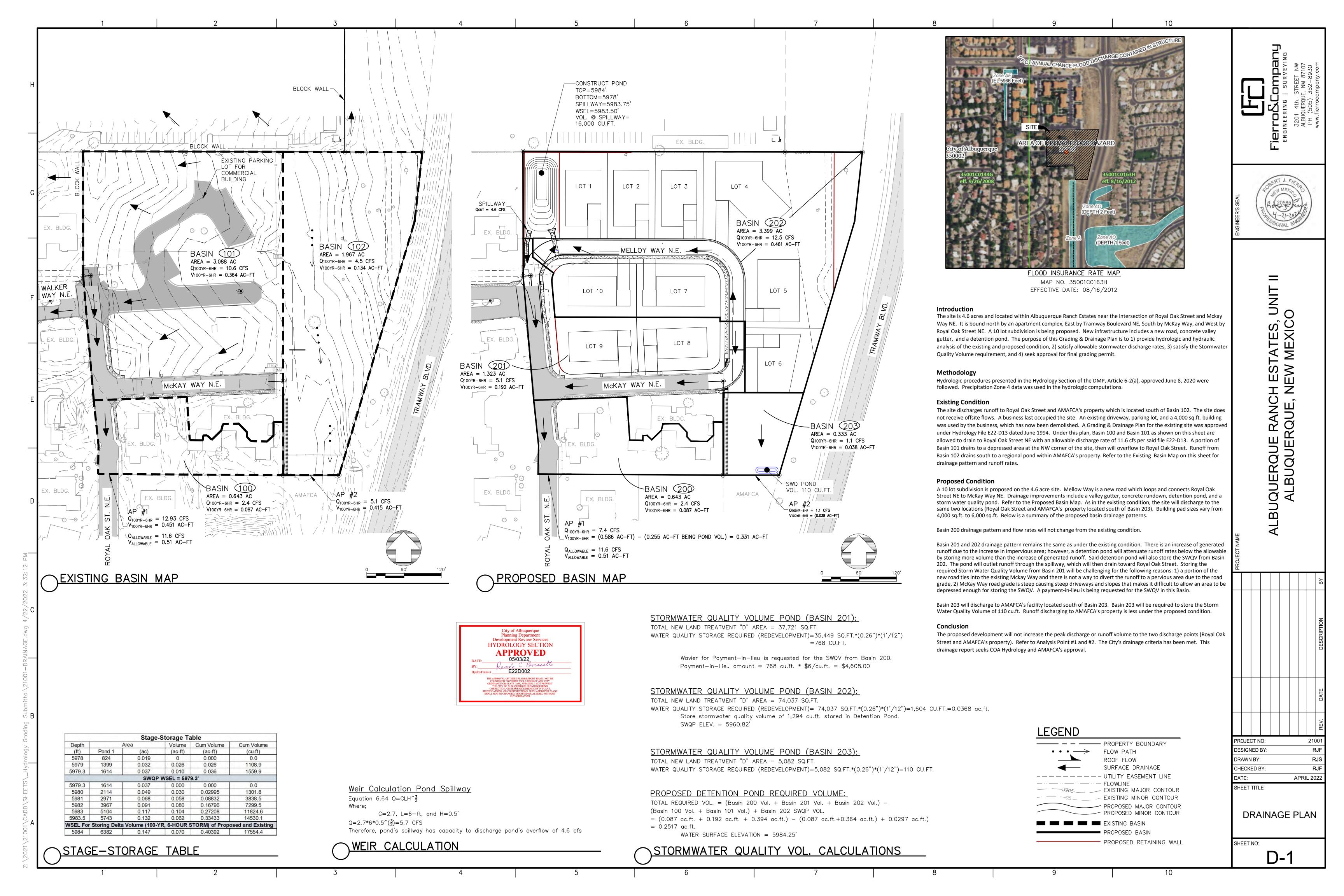
Project Title:	Building Perr	mit #: Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description:		
City Address:		
Applicant:		Contact:
Address:		
		E-mail:
Owner:		Contact:
Address:		
		E-mail:
TYPE OF SUBMITTAL: PLA	AT (<u>10</u> # OF LOTS) RE	ESIDENCE DRB SITE ADMIN SITE
IS THIS A RESUBMITTAL?:	Yes	_No
DEPARTMENT: TRAFFIC/	TRANSPORTATION	_ HYDROLOGY/ DRAINAGE
Check all that Apply:		TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CER PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT FLOODPLAIN DEVELOPMEN ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LA' TRAFFIC IMPACT STUDY (TOTHER (SPECIFY) PRE-DESIGN MEETING?	IT PERMIT APPLIC YOUT (TCL) TIS)	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)
COA STAFF:	ELECTRONIC S	SUBMITTAL RECEIVED:

FEE PAID:___









21001-EXIST RESULTS - Ver. S4.01a, Rel: 01a RUN DATE (MON/DAY/YR) =04/21/2022 AHYMO PROGRAM SUMMARY TABLE (AHYMO-S4) INPUT FILE = C:\Users\rober\Desktop\21001\21001E.txt USER NO.= AHYMO_Temp_User:20122010 TIME TO CFS PAGE = 1DISCHARGE VOLUME RUNOFF IDENTIFICATION NO. NO. (SQ MI) (CFS) (AC-FT) (INCHES) (HOURS) ACRE NOTATION *S Albuquerque Ranch Estates *S Drainage Basin Analysis *S "Existing" CONDITION MODEL *S COMBINED BASIN ANALYSIS START TIME= 0.00 LOCATION DEFAULT RAINFALL DATA FROM NOAA ATLAS 14 *5*********************** *S 100 YEAR 6HR STORM EXISTING CONDITION RAIN24= 3.130 RAINFALL TYPE= 2 NOAA 14 PK BF = 1.00SEDIMENT BULK *5************************* COMPUTE NM HYD 100.00 - 1 0.00101 0.104 1.94624 1.530 3.652 PER IMP= 53.50 2.35 COMPUTE NM HYD 101.00 - 2 0.00483 10.58 0.413 1.60532 1.530 3.427 PER IMP= 32.47 AP1 1& 2 1 0.00583 12.93 0.517 1.66398 1.530 3.466 COMPUTE NM HYD 0.00307 1.540 2.280 PER IMP= 0.00 102.00 - 2 4.49 0.134 0.81473 FINISH Page 1 HYDROLOGIC CALCULATIONS - EXISTING CONDITION 21001-PROP RESULTS AHYMO PROGRAM SUMMARY TABLE (AHYMO-S4) - Ver. S4.01a, Rel: 01a RUN DATE (MON/DAY/YR) =04/21/2022 USER NO.= AHYMO_Temp_User:20122010 INPUT FILE = C:\Users\rober\Desktop\21001\21001P.txt

TIME TO CFS PAGE = 1 FROM TO RUNOFF HYDROGRAPH ID ID AREA DISCHARGE VOLUME RUNOFF PEAK PER IDENTIFICATION NO. NO. (SQ MI) (CFS) (AC-FT) (INCHES) (HOURS) ACRE NOTATION *S Albuquerque Ranch Estates *S Drainage Basin Analysis *S "Proposed" CONDITION MODEL *S COMBINED BASIN ANALYSIS START TIME= 0.00 LOCATION DEFAULT RAINFALL DATA FROM NOAA ATLAS 14 *S 100 YEAR 6HR STORM PROPOSED CONDITION RAIN6= 2.540 RAINFALL TYPE= 1 NOAA 14 PK BF = 1.00 1.63155 1.530 3.652 PER IMP= 53.50 COMPUTE NM HYD 200.00 - 1 COMPUTE NM HYD 201.00 - 2 0.00207 5.07 0.192 1.74449 1.530 3.831 PER IMP= 60.00 1.62837 1.530 3.688 PER IMP= 50.00 COMPUTE NM HYD 202.00 - 3 0.00531 12.53 0.461 Pond 3 30 ROUTE RESERVOIR 0.00531 4.60 0.262 0.92611 1.760 1.352 AC-FT= 0.301 ADD HYD 201sum 30& 2 2 0.00738 6.62 0.455 1.15543 1.730 1.402

7.65 0.542

0.038

1.10

1.21247 1.720 1.426

1.37259 1.530 3.308 PER IMP= 35.00

HYDROLOGIC CALCULATIONS - PROPOSED CONDITION

0.00838

0.00052

AP1 1& 2 1

203.00 - 2

ADD HYD

FINISH

COMPUTE NM HYD

Planning Department
Development Review Services HYDROLOGY SECTION **APPROVED** DATE: 05/03/22
BY: Free Careelle
HydroTrans # E22D002



PROJECT NO: DESIGNED BY: DRAWN BY: CHECKED BY: APRIL 2022 SHEET TITLE

DRAINAGE PLAN

SHEET NO: