CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



November 1, 2022

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

RE: Albuquerque Ranch Estates, Unit II – Lots 4 & 5

Request for Pad Certification – Accepted Engineer's Certification Date: 10/17/22 Engineer's Stamp Date: 04/21/22

Hydrology File: E22D002

Dear Mr. Fierro:

PO Box 1293

Based upon the information provided in your Certification received 10/19/2022 and site visit on 10/28/2022, the above referenced Certification is acceptable for Building Pad Certification for Albuquerque Ranch Estates, Unit II—Lots 4 & 5. Please attach a copy of this approval letter and approved Grading & Drainage Plan with each lot's Building Permit submittal. Please note that submittal to Hydrology for Permanent Release of Occupancy will not be needed.

Albuquerque

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

NM 87103

Sincerely,

www.cabq.gov

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

Renée C. Brissette



COA STAFF:

City of Albuquerque

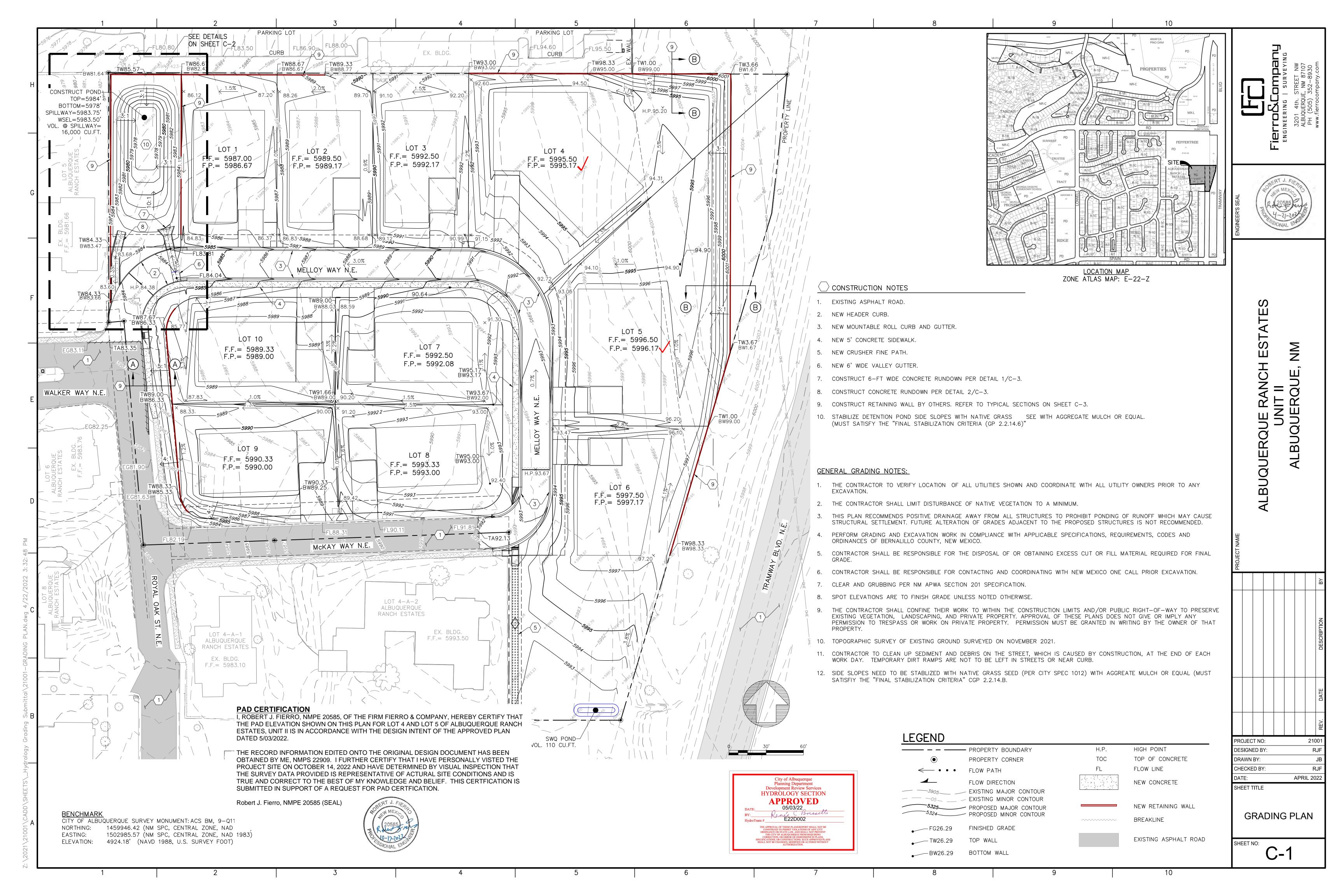
Planning Department

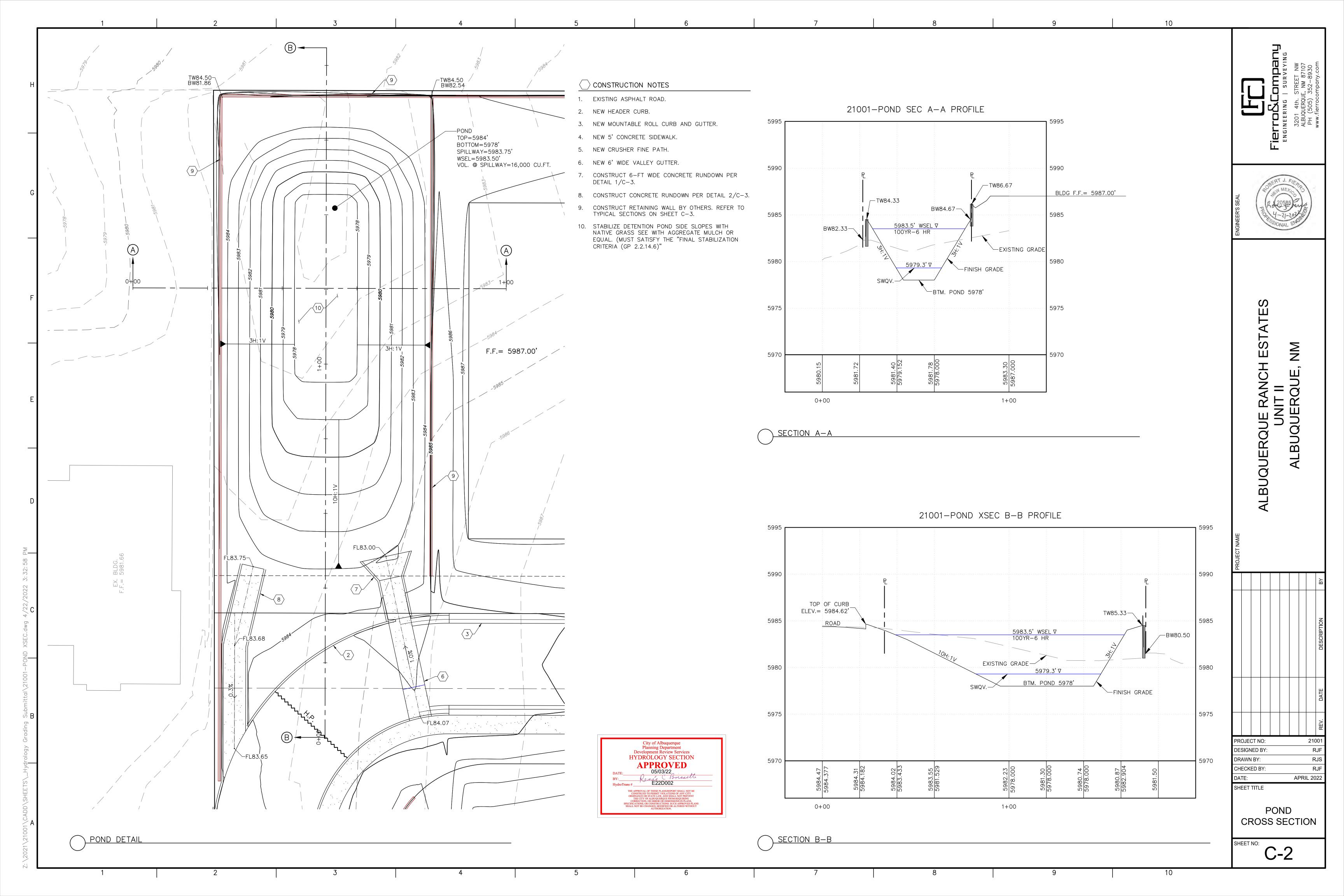
Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

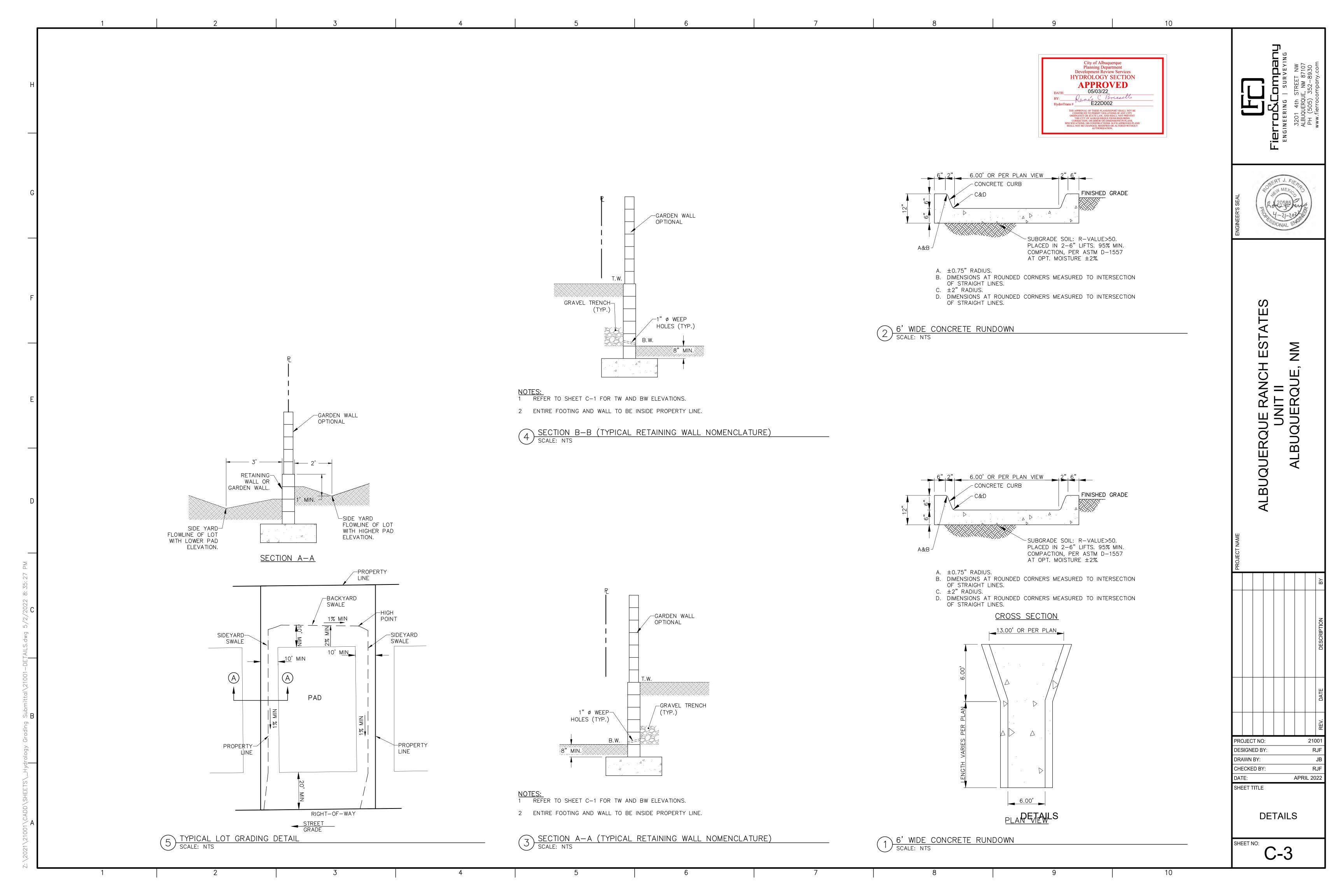
Project Title:	Building Pe	rmit #: Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description:		
City Address:		
Applicant:		Contact:
Address:		
		E-mail:
Owner:		Contact:
Address:		
		E-mail:
TYPE OF SUBMITTAL: PI	.AT (# OF LOTS) F	RESIDENCE DRB SITE ADMIN SITE
IS THIS A RESUBMITTAL?:		
IS THIS A RESODWITTAL:.	105	
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 PERMITOTHER (SPECIFY)
DATE SUBMITTED:	By:	

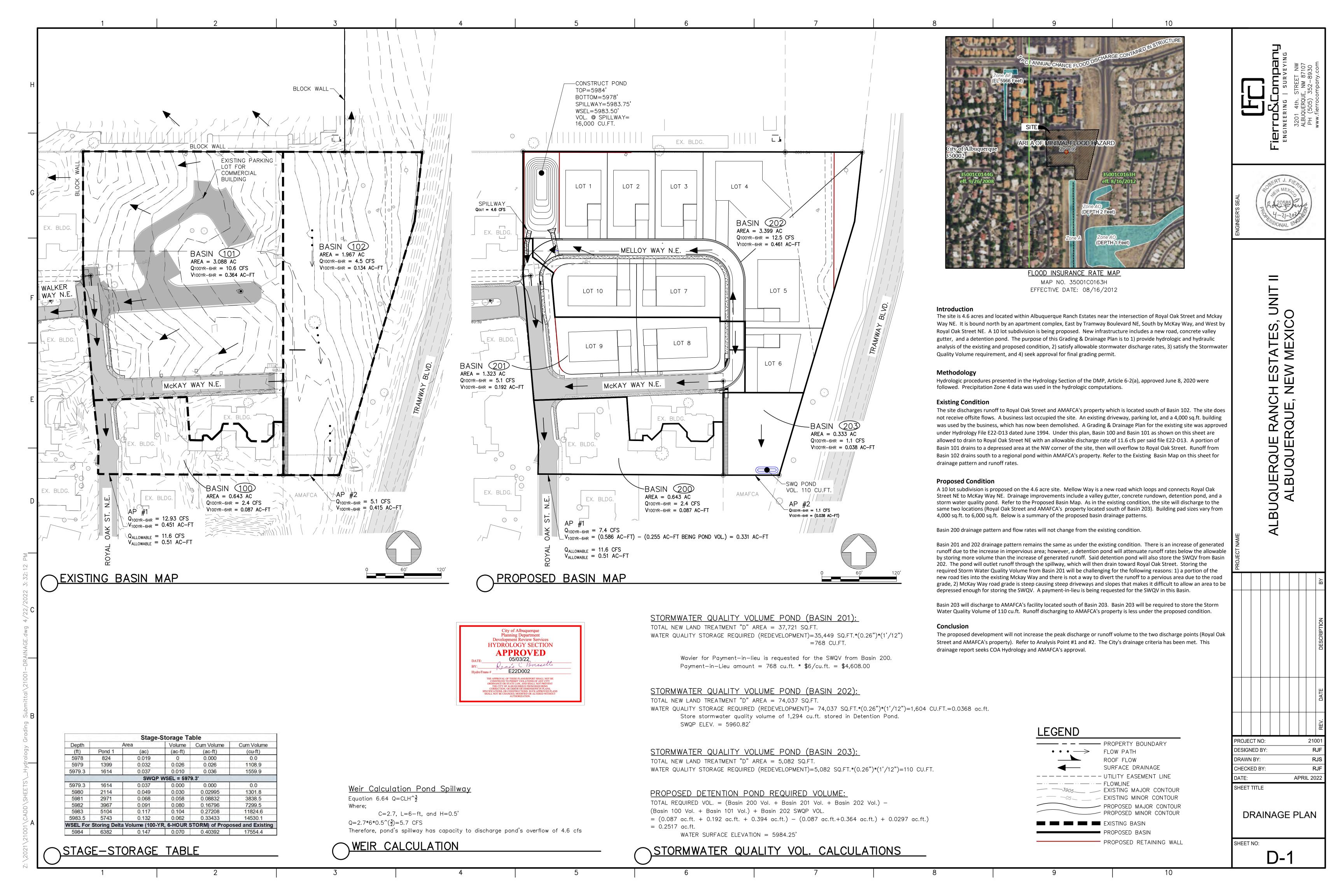
ELECTRONIC SUBMITTAL RECEIVED:

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

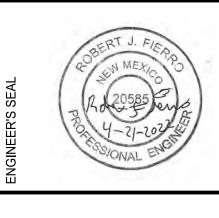
203.00 - 2

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: