CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

November 22, 2023

Fred C. Arfman, P.E. Isaacson & Arfman, P.A. 128 Monroe St. N.E Albuquerque, NM 87108

RE: Dutch Brothers - Juan Tabo Permanent C.O. - Accepted Engineer's Certification Date: 11/17/23 Engineer's Stamp Date: 10/24/22 Hydrology File: H21D004B

Dear Mr. Arfman:

Based on the Certification received 11/20/2023 and site visit on 11/21/2023, 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 <u>rbrissette@cabq.gov</u>.

Sincerely,

NM 87103

Renée C. Brissette

www.cabq.gov

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



City of Albuquerque

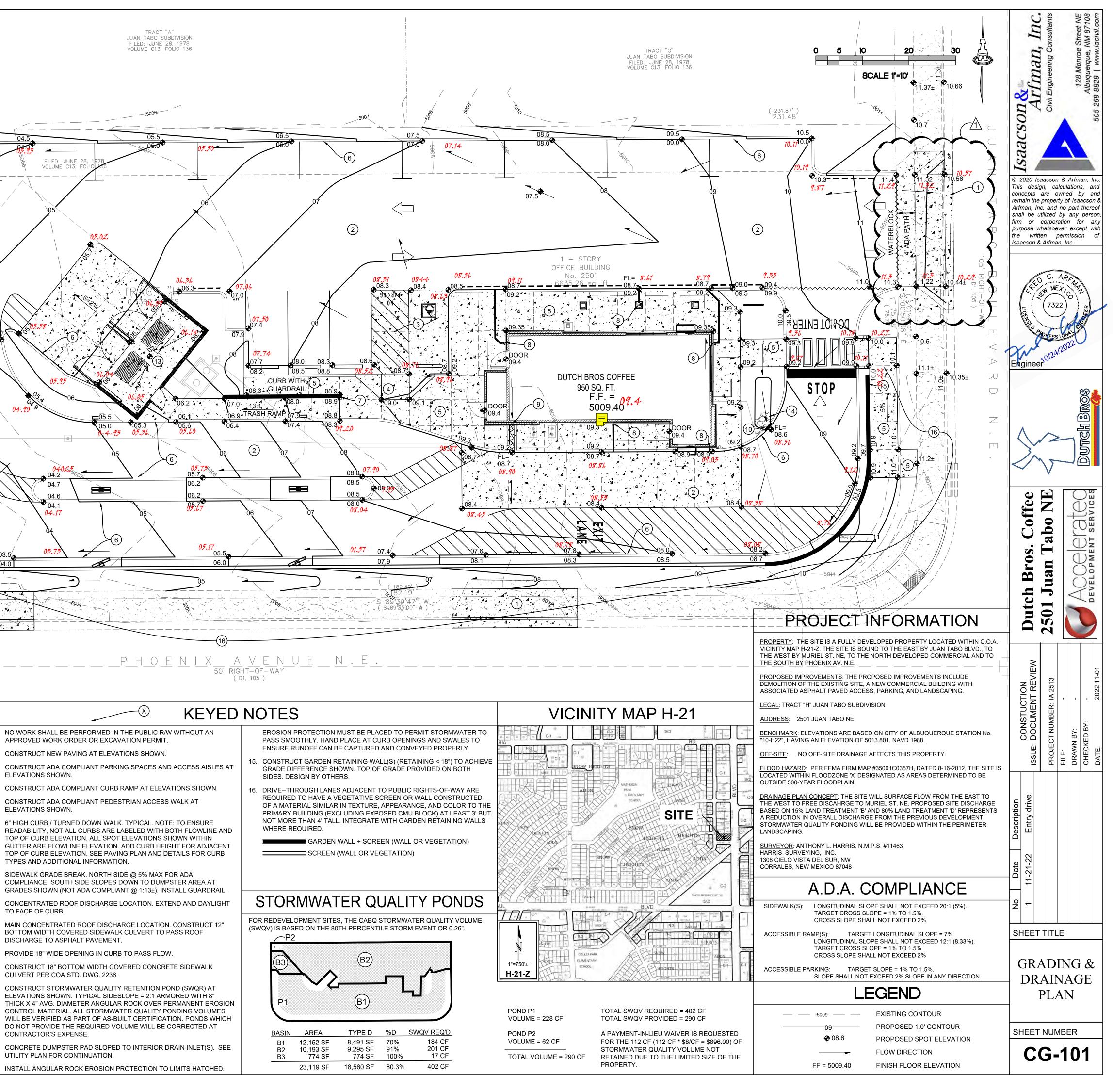
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

Project Title: Dutch Brothers - Juan Tabo DRB#	Building Permit # EPC#	Hydrology File #_H21D004A	
Legal Description: <u>Tract "H" Juan Tabo Subo</u>		ess OR Parcel 2501 Juan Tabo NE	
Applicant/Agent:Isaacson & Arfman, Inc. Address:128 Monroe St NE, ABQ , NM 8710		Fred C. Arfman / Justin Thor Simenson / Bryan Bobric	
Email: freda@iacivil.com / thors@iacvicil.com / t			
Applicant/Owner: Accelerated Developmer	nt Contact:	Jake Palmer	
Address:2415 E, Camelback Rd Ste 400 Ph Email:Jake.Palmer@accelerateddevco.com		602.682.8153	
TYPE OF DEVELOPMENT: PLAT (#0 RE-SUBMITTAL: X YES NO	f lots)RESIDENCE	DRB SITE ADMIN SITE:	
DEPARTMENT: TRANSPORTAT	TION X HYDROLOG	GY/DRAINAGE	
TYPE OF SUBMITTAL:	TYPE OF APPRO	VAL/ACCEPTANCE SOUGHT:	
X ENGINEER/ARCHITECT CERTIFICATIO	ONBUILDIN	NG PERMIT APPROVAL	
PAD CERTIFICATION	<u>X</u> CERTIFI	CATE OF OCCUPANCY	
CONCEPTUAL G&D PLAN	CONCEP	TUAL TCL DRB APPROVAL	
GRADING PLAN	PRELIM	INARY PLAT APPROVAL	
DRAINAGE REPORT	SITE PLA	AN FOR SUB'D APPROVAL	
DRAINAGE MASTER PLAN	SITE PLA	AN FOR BLDG PERMIT APPROVAL	
FLOOD PLAN DEVELOPMENT PERMIT	APPFINAL P	LAT APPROVAL	
ELEVATION CERTIFICATE	SIA/REL	EASE OF FINANCIAL GUARANTEE	
CLOMR/LOMR		ATION PERMIT APPROVAL	
TRAFFIC CIRCULATION LAYOUT (TCI	·	G PERMIT APPROVAL	
ADMINISTRATIVE	SO-19 AI	SO-19 APPROVAL	
TRAFFIC CIRCULATION LAYOUT FOR	DRBPAVING	PERMIT APPROVAL	
APPROVAL	GRADIN	G PAD CERTIFICATION	
TRAFFIC IMPACT STUDY (TIS)		ORDER APPROVAL	
STREET LIGHT LAYOUT	CLOMR/	LOMR	
OTHER (SPECIFY)	FLOOD I	PLAN DEVELOPMENT PERMIT	
PRE-DESIGN MEETING?	OTHER ((SPECIFY)	
DATE SUBMITTED:11/17/2023			

City of Albuquerque opment Review Service HYDROLOGY SECTION **APPROVED** 11/16/22 Renée C. Brissette H21D004B HydroTrans # (N 89°35'00" N 89°37'14" **DRAINAGE CERTIFICATION** I, Fred C. Arfman, NMPE 7322, of the firm Isaacson & Arfman, Inc., hereby certify that this project has been graded and will drain 1.57 in substantial compliance with and in accordance with the design intent of the approved plan dated 11/24/2022. The record information edited onto the original design document has been obtained by Brian Martinez, NMPS 18374, of the firm Cartesian (2)Surveying, Inc. I further certify that I have personally visited the project site on Nov. 06, 2023 and have determined by visual π inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy. YAW ENO (AW) E**W**C The record information presented hereon is not necessarily? complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those refying on this record document are advised to obtain independent \pm (2)verification of its accuracy before using it for any other purpose. tul C. Cup Fred C. Arfman, PE / NMPE 7322 Date 11-17-23 (14 S.O.19 : NOTICE TO CONTRACTORS PRIVATE DRAINAGE FACILITES WITHIN CITY RIGHT-OF-WA Build sidewalk culvert per COA STD DWG 2236. Contact Storm Drain Maintenance at (505) 857-8033 to schedule a meeting prior to forming. An excavation permit will be required before beginning any work within City Right-Of-Way. (2)All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health. Two working days prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay. 4 Backfill compaction shall be according to traffic/street use. ۵. Maintenance of the facility shall be the responsibility of the owner of the property being served. 9. Work on arterial streets may be required on a 24-hour basis. 10. Contractor must contact Storm Drain Maintenance at (505) 857-8033 to schedule a construction inspection. For excavating and barricading inspections, contact Construction Coordination at (505) 924-3416. **GENERAL CALCULATIONS** CALCULATIONS: 2513 Dutch Bros. Coffee - Juan Tabo : 10/17/2022 Based on Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993 **100-YEAR, 6-HOUR CALCULATIONS** AREA OF SITE: 23119 SF 0.53 ACRE = 100-year, 6-hour **HISTORIC FLOWS: DEVELOPED FLOWS: EXCESS PRECIP:** Treatment SF % Treatment SF % Precip. Zone 0% 0% $E_{\rm A} = 0.80$ Area A Area A 0 0 20% $E_{\rm B} = 1.08$ 1156 5% 4554 Area B Area B = Area C 0% 0% $E_{\rm C} = 1.46$ 0 Area C 0 = $E_{\rm D} = 2.64$ 80% 21963 95% 18565 Area D Area D = 23119 100% 23119 100% Total Area Total Area = On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm) $E_AA_A + E_BA_B + E_CA_C + E_DA_D$ Weighted E = $A_A + A_B + A_C + A_D$ 2.56 in. Developed E 2.33 in. Historic E = = On-Site Volume of Runoff: V360 =E*A / 12 Historic V_{360} = 4936 CF Developed V₃₆₀ 4494 CF = On-Site Peak Discharge Rate: $Qp = Q_{pA}A_A + Q_{pB}A_B + Q_{pC}A_C + Q_{pD}A_D / 43,560$ For Precipitation Zone 4 QpA = 2.20 QpC = 3.73 $Q_{pD} = 5.25$ $Q_{pB} = 2.92$ 2.7 CFS Developed Q_p 2.5 CFS Historic Q_p ==



NO WORK SHALL BE PERFORMED IN THE PUBLIC R/W WITHOUT AN APPROVED WORK ORDER OR EXCAVATION PERMIT

- CONSTRUCT ADA COMPLIANT PARKING SPACES AND ACCESS AISLES AT ELEVATIONS SHOWN.
- CONSTRUCT ADA COMPLIANT CURB RAMP AT ELEVATIONS SHOWN
- ELEVATIONS SHOWN.

6" HIGH CURB / TURNED DOWN WALK. TYPICAL. NOTE: TO ENSURE READABILITY, NOT ALL CURBS ARE LABELED WITH BOTH FLOWLINE AND TOP OF CURB ELEVATION. ALL SPOT ELEVATIONS SHOWN WITHIN GUTTER ARE FLOWLINE ELEVATION. ADD CURB HEIGHT FOR ADJACENT TOP OF CURB ELEVATION. SEE PAVING PLAN AND DETAILS FOR CURB TYPES AND ADDITIONAL INFORMATION.

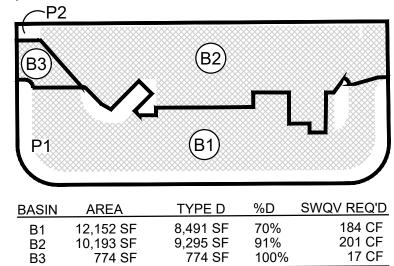
SIDEWALK GRADE BREAK. NORTH SIDE @ 5% MAX FOR ADA COMPLIANCE. SOUTH SIDE SLOPES DOWN TO DUMPSTER AREA AT

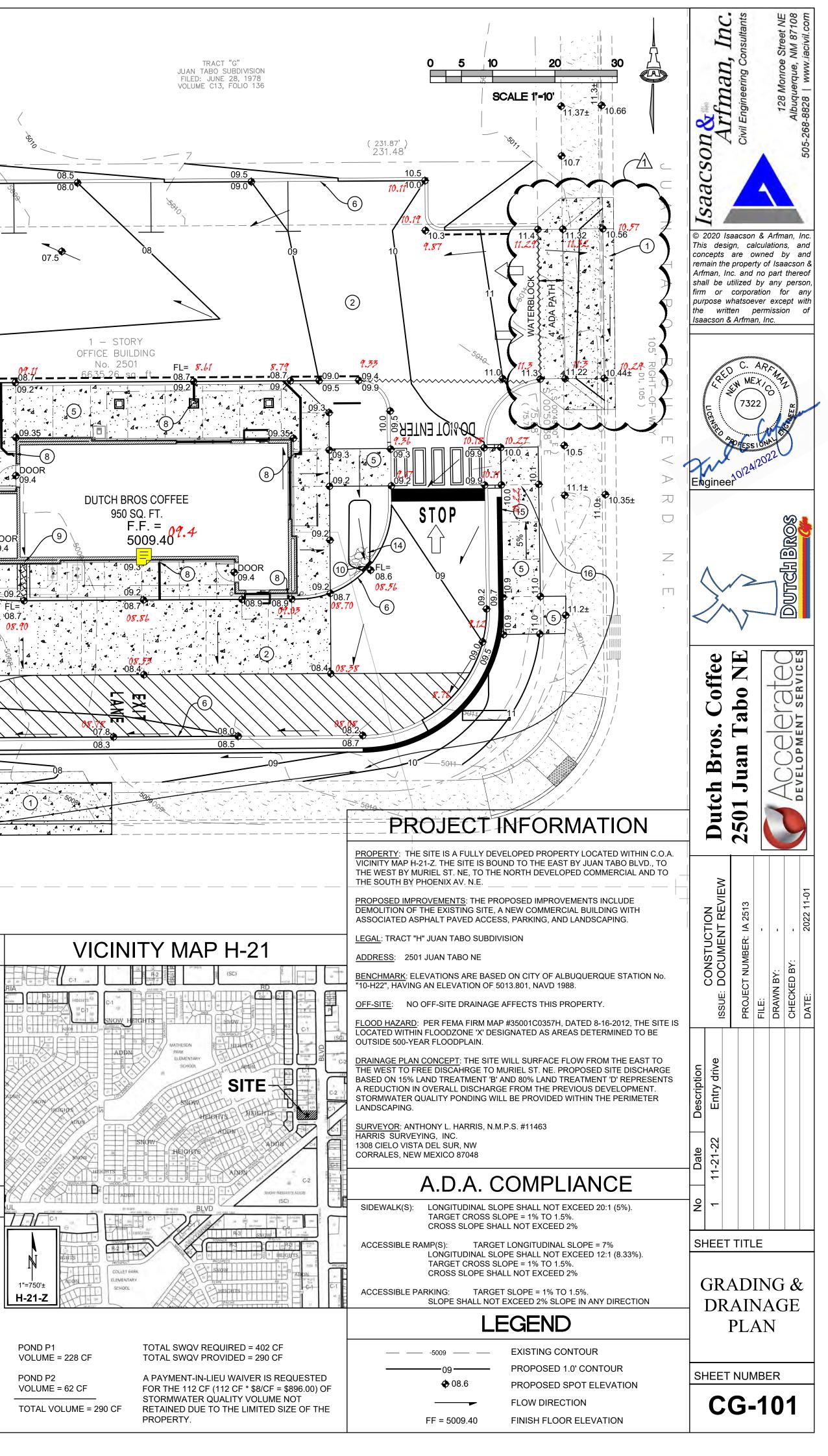
- CONCENTRATED ROOF DISCHARGE LOCATION. EXTEND AND DAYLIGHT TO FACE OF CURB.
- BOTTOM WIDTH COVERED SIDEWALK CULVERT TO PASS ROOF DISCHARGE TO ASPHALT PAVEMENT.
- PROVIDE 18" WIDE OPENING IN CURB TO PASS FLOW
- CULVERT PER COA STD. DWG. 2236.

CONSTRUCT STORMWATER QUALITY RETENTION POND (SWQR) AT ELEVATIONS SHOWN. TYPICAL SIDESLOPE = 2:1 ARMORED WITH 8" THICK X 4" AVG. DIAMETER ANGULAR ROCK OVER PERMANENT EROSION CONTROL MATERIAL. ALL STORMWATER QUALITY PONDING VOLUMES WILL BE VERIFIED AS PART OF AS-BUILT CERTIFICATION. PONDS WHICH DO NOT PROVIDE THE REQUIRED VOLUME WILL BE CORRECTED AT CONTRACTOR'S EXPENSE.

CONCRETE DUMPSTER PAD SLOPED TO INTERIOR DRAIN INLET(S). SEE UTILITY PLAN FOR CONTINUATION.

14. INSTALL ANGULAR ROCK EROSION PROTECTION TO LIMITS HATCHED.





POND P1 VOLUME = 228 CF
POND P2 VOLUME = 62 CF
TOTAL VOLUME = 290 CF