CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



Mayor Timothy M. Keller

June 26, 2020

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

RE: 4700 Prospect Ave. NE Grading & Drainage Plan Engineer's Stamp Date: 06/16/20 Hydrology File: H17D118

Dear Mr. Arfman:

- PO Box 1293 Based upon the information provided in your submittal received 06/24/2020, the Grading and Drainage Plan is approved for Paving Permit and SO-19 Permit.
- Albuquerque Please provide a Drainage Covenant per Chapter 17 of the DPM for Stormwater Quality ponds as soon as possible. Please submit this on the 4th floor of Plaza de Sol. A \$25 fee will be required.
- NM 87103 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 any earth disturbance.

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

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)

| Project Title: Drainage Improvements | Building Permit #: | | Hydrology File #: H17 | |
|--|-------------------------------------|------------------------|-----------------------|--------------------|
| DRB#: | EPC#: | | Work Order#: | |
| Legal Description: Lots 21, 22, 23 & Sou | therly Portion | of 24, Block 2, Timote | <u>o Chavez</u> | Addition |
| City Address: 4700 & 4704, Prospect Av | e. NE, 87110 | | | |
| | | | | |
| Applicant: Isaacson & Arfman, Inc. | | | Contact: | Fred C. Arfman or |
| Address:128 Monroe Street NE - Albu | querque, NM | 87108 | | Bryan J. Bobrick |
| Phone#: (505) 268-8828 | Fax#: | | E-mail: | freda@iacivil.com |
| | _ | | | bryanb@iacivil.com |
| Owner: | | | Contact: | |
| Address: | | | | |
| Phone#: | Fax#: | | E-mail: | |
| | | | | |
| TYPE OF SUBMITTAL: PLAT (# OF | FLOTS) RI | ESIDENCE DRB SI | ГЕ <u>X</u> АІ | DMIN SITE |
| IS THIS A RESUBMITTAL?: Y | Xes X | No | | |
| DEPARTMENT: TRAFFIC/ TRANSPORT | RTATION X | _HYDROLOGY/ DRAI | NAGE | |
| Check all that Apply. | | | | |
| | | TYPE OF APPROV. | AL/ACCE | PTANCE SOUGHT: |
| TYPE OF SUBMITTAL: | | BUILDING PER | RMIT APPF | ROVAL |
| ENGINEER/ARCHITECT CERTIFICATIO | CERTIFICATE OF OCCUPANCY | | | |
| PAD CERTIFICATION | PRELIMINARY PLAT APPROVAL | | | |
| CONCEPTUAL G & D PLAN | SITE PLAN FOR SUB'D APPROVAL | | | |
| X GRADING PLAN | SITE PLAN FOR BLDG. PERMIT APPROVAL | | | |
| DRAINAGE MASTER PLAN | | FINAL PLAT A | PPROVAL | - |
| DRAINAGE REPORT | | SIA/ RELEASE | OF FINAN | ICIAL GUARANTEE |
| FLOODPLAIN DEVELOPMENT PERMIT | FOUNDATION PERMIT APPROVAL | | | |
| ELEVATION CERTIFICATE | | GRADING PER | APPE | ROVAL |
| CLOMK/LOMK | ` | X SO-19 APPROV | /AL | |
| TRAFFIC CIRCULATION LAYOUT (ICI | _) | X PAVING PERM | IIT APPRC | DVAL |
| IKAFFIC IMPACT STUDY (115) | | GRADING/ PAI |) CERTIF | ICATION |
| UTHEK (SPECIFY) | _ | WORK ORDER | APPROVAI | |
| rke-Design mee Hing? | | CLOMR/LOMR | | |
| | | FLOODPLAIN | DEVELOP | MENT PERMIT |
| | | OTHER (SPEC | IFY) | |

DATE SUBMITTED: June 17, 2020 By: Fred C. Arfman

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID:



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|---|--|--|
| NOTES | | Inc sultant sultant reet N reet N reet N |
| D IN THE PUBLIC ROW WITHOUT | | n, Ig Con iroe St ww.iac |
| SMOOTH TRANSITION TO | | maa ineerin 28 Mor 28 Mor 28 J w |
| CONCRETE ALLEY GUTTER PER 0.25% TO MINIMIZE BIRDBATHS. | | Albu 68-882 |
| CURB. TOP OF CURB = TOP | | 000 Civ 505-2 |
| OCATION. OWN TO CLARIFY GRADING | | acs |
| CURB TO PASS FLOW. | NRC NRC VIDAS | Sai |
| CONCRETE SIDEWALK CULVERT .19 PERMIT REQUIRED (SEE O EXTEND FROM FACE OF CURB | | © 2020 Isaacson & Arfman, Inc. This design, calculations, and concepts are owned by and |
| TER QUALITY POND THIS AREA. | ADDN SAN MATEO | remain the property of Isaacson & Arfman, Inc. and no part thereof shall be utilized by any person, firm or corporation for any purpose whatsoever |
| VG. DIA.) ON 3.5:1 SIDE SLOPES. | NETHERWOOD MXT | Arfman, Inc. |
| | 1"=750'± H-17-Z LAS 6 C C C C C C C C C C C C C C C C C C | C. ARENING |
| | KEYED NOTES | T322 |
| | PROPERTY: THE SITE IS A FULLY DEVELOPED COMMERCIAL PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP H-17. THE SITE IS BOUND TO THE NORTH BY PROSPECT AVE. NE AND TO THE SOUTH, WEST AND EAST BY FULLY DEVELOPED COMMERCIAL PROPERTIES. | COPFESSIONAL CONTRACT |
| | PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE THE REMOVAL OF APPROXIMATELY 2000 SF OF ASPHALT PAVEMENT TO BE REPLACED WITH A CONCRETE ALLEY GUTTER AND ASPHALT PAVEMENT AS SHOWN. A NEW COVERED SIDEWALK CULVERT WILL BE CONSTRUCTED AS SHOWN. | Engineer |
| | LEGAL: LOTS 21, 22, 23 & SOUTHERLY POR. OF 24 BLOCK 2, | |
| | ADDRESS: 4700 AND 4704, PROSPECT AVE. NE. 87110. | Ш Z |
| | TEMPORARY BENCHMARK: DESCRIPTION, ELEVATION = XXX FEET (NAVD 1988). | VC. ents |
| | OFF-SITE: NO OFF-SITE DRAINAGE AFFECTS THIS PROPERTY. | ict A |
| | FLOOD HAZARD: PER F.E.M.A. FLOOD HAZARD MAP 35001C0352H, EFFECTIVE DATE: 8/16/2012, THE SITE IS LOCATED WITHIN FLOODZONE 'X' DESIGNATED AS AREAS DETERMINED TO BE | rospe nage Imp |
| | DRAINAGE PLAN CONCEPT: | Drai |
| | A PORTION (2000 SF) OF EXISTING, POORLY DRAINING ASPHALT PAVEMENT WILL BE REMOVED AND REPLACED WITH A CONCRETE ALLEY GUTTER ALONG THE FLOWLINE TO IMPROVE DRAINAGE AND ELIMINATE BIRDBATHS. STORMWATER WILL CONTINUE TO DRAIN TO THE CENTER LANDSCAPED (TO BE RESHAPED). A NEW COVERED SIDEWALK CULVERT WILL BE CONSTRUCTED. DISCHARGED FLOW WILL CONTINUE WEST AND ENTER THE EXISTING PUBLIC STORM DRAIN SYSTEM AT THE EXISTING INLET JUST WEST OF THE DRIVEWAY. THERE WILL BE NO CHANGE TO THE IMPERVOUS AREA SO TOTAL DISCHARGE RATE AND VOLUME WILL REMAIN AT HISTORIC RATES. | 47(|
| | RESHAPED LANDSCAPE AREA BASED ON 2,000 SF REDEVELOPED IMPERVIOUS @ 0.26" PER SF. | PMENT |
| | CALCULATIONS: Prospect : June 11, 2020 | DEVELOI BJB 06-02-5 |
| | Based on Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993 | ESIGN E |
| | 100-YEAR, 6-HOUR STORMPAVEMENT13650SF= 0.31 ACRE | UE: CONECT N AWN BY FE: FE: |
| | HISTORIC FLOWS: | DR/ ISS |
|) CONTRACTORS | Area A=00%CALCULATIONS REFERENCE PARKING AREA PAVEMENT ONLY. | seription |
| WITHIN CITY RIGHT-OF-WAY | Area C = 0 0% Area D = 13529 99% | |
| REQUIRED BEFORE BEGINNING ANY Y. | Total = 13650 100% DEVELOPED FLOWS: | |
| ALL BE PERFORMED IN EDERAL, STATE AND LOCAL LAWS, RNING CONSTRUCTION SAFETY AND | $SF \ \% \qquad EXCESS PRECIP:$ $Area A = 0 \ 0\% Precip. Zone \ 2$ | Date |
| NY EXCAVATION, THE CONTRACTOR CALL, DIAL '811' OR (505) | Area B = 201 1% EA = 0.53 Area C = 0 0% E _R = 0.78 | |
| ONTRACTOR SHALL EXCAVATE AND | Area D = 13449 99% Ec = 1.13 Total = 13650 100% Ep = 2.12 | Ž |
| R SHALL NOTIFY THE ENGINEER SO SOLVED WITH A MINIMUM AMOUNT | $\frac{10070}{10070} = \frac{15050}{10070} = \frac{10070}{10070} = \frac{10070}{1$ | |
| ACCORDING TO TRAFFIC / STREET | $E_{AAA} + E_{BAB} + E_{CAC} + E_{DAD}$ $A_A + A_B + A_C + A_D$ $A_A + A_B + A_C + A_D$ | Grading & |
| HALL BE THE RESPONSIBILITY OF ERVED. | Hist. E=2.11m.Dev. E=2.10in.On-Site Volume of Runoff: V360 $E^*A / 12$ | |
| T BE REQUIRED ON A 24-HOUR | Hist. $V_{360} = 2398$ CF Dev. $V_{360} = 2389$ CF On-Site Peak Discharge Rate: $Qp = Q_{pA}A_A + Q_{pB}A_B + Q_{pC}A_C + Q_{pD}A_D / 43,560$ | rian |
| N AT 924-3416 TO SCHEDULE AN | For Precipitation Zo 2 $Q_{pA} = 1.56$ $Q_{pC} = 3.14$ | |
| DATE | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | CG-101 |