

I, Ian M. N. Anderson NMPE 26441, of the firm Isaacson & Arfman, Inc., hereby certify that the referenced lots have been graded and will drain in substantial compliance with and in accordance with the design intent of the approved Grading & Drainage Plan dated November

The record information edited onto the original design document has been obtained by Time Aldrich, NMRPS 7719, of the firm Aldrich Land Surveying. I further certify that I or someone under my direction visited the project site on February 28, 2025, and have determined by visual 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

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 relying on this record document are advised to obtain independent verification of its accuracy

DATE

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Engineer

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE 17 DETATCHED RESIDENTIAL LOTS, A PRIVATE ROADWAY AND TWO

LEGAL: TRACT A-1, SPANISH WALK, CITY OF ALBUQUERQUE,

BENCHMARK: VERTICAL DATUM IS BASED UPON AGRS ALUMINUM CAP

STAMPED "12-E14 1985", ELEVATION = 4978.632 FEET (NAVD 1988).

ENTERS THE PROPERTY. THERE ARE NO OFF-SITE FLOWS FROM THE ADJACENT PROPERTIES TO THE WEST, EAST OR SOUTH THAT ENTER

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP 35001C0119G, EFFECTIVE SEPTEMBER 26, 2008, THE SITE IS LOCATED WITHIN ZONE 'AH' (ELEVATION 4981) AND ZONE X (AREAS PROTECTED BY LEVEES). A LOMR-F SHALL BE SUBMITTED TO REMOVE THE FLOODPLAIN ON THE

DRAINAGE PLAN CONCEPT: THE SITE WILL BE DEVELOPED TO POND THE 100-YEAR, 10-DAY STORM IN TWO RETENTION PONDS LOCATED ALONG THE WEST AND EAST PROPERTY LINE. THE OFFSITE FLOW FROM CAMINO ESPANOL ALONG WITH FLOWS FROM HALF OF THE LOTS WILL DRAIN TO THE PONDS VIA BACKYARD RUNDOWNS LOCATED ON THE LOTS ADJACENT TO THE STREET. THE REMAINING ONSITE BASIN WILL DRAIN TOWARD THE PRIVATE STREET THAT HAS AN INVERTED CROWN WITH AN ALLEY GUTTER IN THE CENTER. LAND TREATMENT PERCENTAGES WERE CALCULATED AT 39% 'B', 5% 'C' AND 56% 'D'; THE

IN THE FULLY DEVELOPED CONDITION, THE PROPERTY AND THE OFF-SITE HALF-STREET WILL DISCHARGE 9.3 CFS TO THE PONDS. THE REQUIRED 100-YEAR, 10-DAY VOLUME TO BE STORED IN THE RETENTION PONDS IS 23,675 CF; THE PROVIDED VOLUME IN THE TWO

THE PONDS SHALL BE CONSTRUCTED AS VERTICAL DETENTION BASINS WITH A BOTTOM ELEV= 4978.2; WSEL=4981.0. THE DEVELOPER SHALL OBTAIN APPROVAL FROM EFFECTED ADJACENT PROPERTY OWNERS STATING THAT IT IS ACCEPTABLE TO CONSTRUCT SHARED PERIMETER

BECAUSE THE 100-YR, 10-DAY STORM IS PONDED ON THE PROPERTY,

## **KEYED NOTES**

- 1. BY PUBLIC WORK ORDER: RUNDOWN PER DETAIL ON SHEET
- 2. BY PUBLIC WORK ORDER: INSTALL 6" AVG. DIA., 1' THICK
- 3. BY PUBLIC WORK ORDER: RETENTION BASINS PER SECTIONS THIS SHEET. RETAINING WALLS SHALL BE DESIGNED BY A STRUCTURAL

PROPOSED 0.5' CONTOUR PROPOSED SPOT ELEVATION

SURFACE FLOW DIRECTION

**CG-101** 

DRAINAGE PLAN

SHEET NUMBER

**GRADING &** 

SHEET TITLE