

CALCULATIONS:

UNIVERSITY/I-25 SUBDIVISION - PARCEL "B"

Area = 5.44 acres

I = 2.2 in./hr. Plate 22.2 D-2 6-hour, 100-year rainfall = 22 in.

Plate 22.2 D-1

2.18

EXISTING ON-SITE CONDITIONS:

Streets, Drives, Walks 0.95 0.90 0.25 0.40 5.44 Q(100) = (0.40)(4.84)(5.44) = 10.53 cfsQ(10) = (0.657)(10.53) = 6.92 cfsCN = 80 Plate 22.2 C-2 Direct Runoff = 0.70 in. Plate 22.2 C-4 V(100) = (0.70)(5.44)(43560)/12 = 13823 cu. ft. V(10) = (0.657)(13823) = 9082 cu. ft.

PROPOSED ON-SITE CONDITIONS:

"C" VALUE A (ACRES) "C"X A "C"=CXA/A Streets, Drives, Walks 0.95 2.56 2.43 0.90 2.56 2.30 0.25 0.32 0.08 0.40 Q(100) = (0.88)(4.84)(5.44) = 23.17 cfsQ(10) = (0.657)(23.17) = 15.22 cfsCN = 92 Plate 22.2 C-3 Direct Runoff = 1.4 in. Plate 22.2 C-4 V(100) = (1.4)(5.44)(43560)/12 = 27645 cu. ft.

"C" VALUE A (ACRES) "C"X A "C"=CXA/A 0.40 -PROJECT LOCATION 0.88 VICINITY MAP MAP NO. J-15 FLOOD BOUNDARY MAP PANEL #29

Copy of Map?

UNIVERSITY/I-25 SUBDIVISION:

LEGAL DESCRIPTION:

PARCEL "B", SURGICAL ASSOCIATES, P.A. PROFIT-SHARING PLAN AND

ACS BENCH MARK:

2-J15, A SQUARE, CHISELED ON TOP OF CONCRETE CURB AT THE ENE CURB RETURN, LOCATED AT THE INTERSECTION OF UNIVERSITY BLVD. NE AND INDIAN SCHOOL ROAD NE, IN THE NE QUADRANT OF THE INTERSECTION. ELEVATION = 5076.244 FEET.

SURVEY INFORMATION:

SURVEY INFORMATION WAS TAKEN FROM AERIAL CONTOUR MAPS PUBLISHED

GENERAL NOTES:

- 1. DESIGN AND CONSTRUCTION OF THE 10' WIDE DRAINAGE EASEMENT LINING SECTIONS ARE TO BE DONE SIMULTANEOUSLY WITH THE DESIGN AND CONSTRUCTION OF THE ROAD.
- 2. INDIVIDUAL GRADING AND DRAINAGE PLANS ARE TO BE PREPARED AND SUBMITTED TO THE CITY OF ALBUQUERQUE HYDROLOGY SECTION UPON DEVELOPMENT OF EACH LOT.

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