

FILE COPY



# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR  
KEN SCHULTZ

CHIEF  
ADMINISTRATIVE OFFICER  
GENE ROMO

DEPUTY CAO  
DEVELOPMENT & ENTERPRISE SERVICES  
LARRY LARRANAGA

DEPUTY CAO  
PUBLIC SERVICES  
DAN WEAKS

August 8, 1988

August Mosimann  
Rodriguez & Associates  
122 Washington, SE  
Albuquerque, New Mexico 87108

RE: DRAINAGE PLAN FOR LOT A-2, BLOCK 25 OF MESA VERDE ADDITION  
(K-19/D92) ENGINEER'S STAMP DATED AUGUST 5, 1988

Dear Mr. Mosimann:

Based on the information provided on your submittal of August 5, 1988,  
the above referenced plan is approved for Building Permit.

Please attach a copy of this plan to the construction sets prior to  
sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at  
768-2650.

Cordially,

*Bernie J. Montoya*  
Bernie J. Montoya, C.E.  
Engineering Assistant

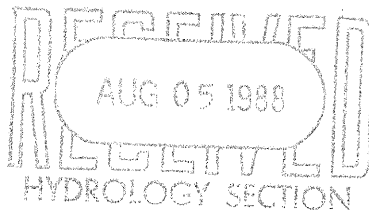
BJM/bsj

# DRAINAGE INFORMATION SHEET

PROJECT TITLE: LOT "A-2", BLOCK 25, MESA VERDE ADDITION ZONE ATLAS/DRNG. FILE #: K-19/D92  
 LEGAL DESCRIPTION: LOT "A-2", BLOCK 25, MESA VERDE ADDITION  
 CITY ADDRESS: WISCONSIN STREET N.E.  
 ENGINEERING FIRM: AUGUST RODRIGUEZ & ASSOCIATES CONTACT: MR. RODRIGUEZ  
 ADDRESS: 122 WASHINGTON S.E. PHONE: 266-3830  
 OWNER: EDWARD S. HOLMAN CONTACT: MR. HOLMAN  
 ADDRESS: 401 WYOMING N.E. PHONE: 265-7981  
 ARCHITECT: FRED ARAGON & ASSOCIATES CONTACT: MR. ARAGON  
 ADDRESS: 1428 LAFAYETTE N.E. PHONE: 265-9612  
 SURVEYOR: JOHN B. TORRES, L.S. RODRIGUEZ & ASSOCIATES CONTACT: MR. RODRIGUEZ  
 ADDRESS: 122 WASHINGTON S.E. PHONE: 266-3830  
 CONTRACTOR: ? CONTACT: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

## PRE-DESIGN MEETING:

☒ YES  
☐ NO  
☐ COPY OF CONFERENCE RECAP SHEET PROVIDED



DRB NO. \_\_\_\_\_  
 EPC NO. \_\_\_\_\_  
 PROJ. NO. \_\_\_\_\_

## TYPE OF SUBMITTAL:

☒ DRAINAGE REPORT  
☒ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION

## CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL  
☐ PRELIMINARY PLAT APPROVAL  
☐ SITE DEVELOPMENT PLAN APPROVAL  
☐ FINAL PLAT APPROVAL  
☒ BUILDING PERMIT APPROVAL  
☐ FOUNDATION PERMIT APPROVAL  
☐ CERTIFICATE OF OCCUPANCY APPROVAL  
☐ ROUGH GRADING PERMIT APPROVAL  
☐ GRADING/PAVING PERMIT APPROVAL  
☐ OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: AUG. 5, 1988  
 BY: RODRIGUEZ & ASSOCIATES



PROJECT BENCH MARK:  
TOP OF MAINLINE R.H.  
M.S.L. ELEV. = 5374.27

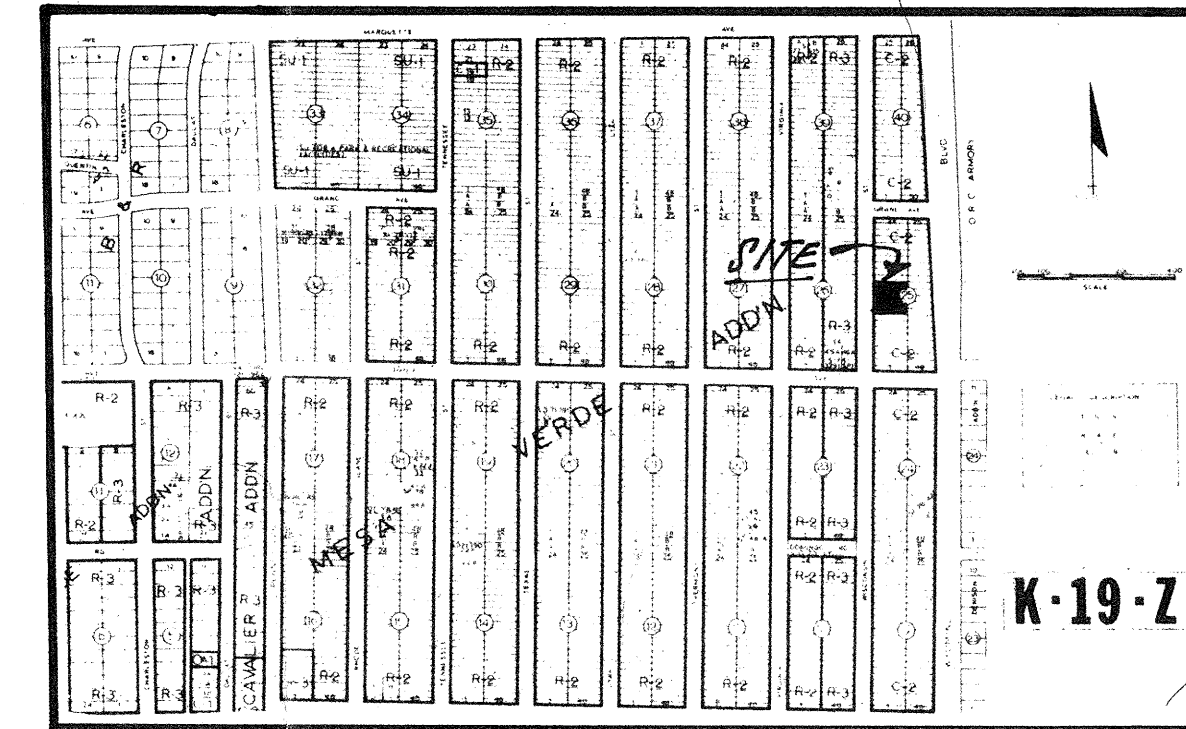
#### LEGAL DESCRIPTION:

LOT "A-2", BLOCK TWENTY-FIVE (25), MESA VERDE ADDITION, AN ADDITION TO  
THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (PLAT FILED: 07-21-88)

BENCH MARK REFERENCE: "7-K20", LOCATED AT GENERAL STILLWELL N.E. AND COPPER  
AVENUE N.E., M.S.L. ELEVATION = 5391.057; PROJECT  
BENCH MARK AS SHOWN ON THE PLAN HEREON.

LOT "B"

NORTH  
SCALE: 1"=10'



VICINITY MAP

#### DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE  
GRADING AND DRAINAGE PLAN AS SHOWN HEREON:

- 1.) SITE GRADING AND DRAINAGE PLAN
- 2.) VICINITY MAP
- 3.) LEGAL DESCRIPTION
- 4.) LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS
- 5.) HYDRAULIC DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP HEREON THE SUBJECT SITE IS LOCATED  
NORTH OF COPPER AVENUE N.E. BETWEEN WYOMING BOULEVARD N.E. AND WISCONSIN  
STREET N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

THE PROJECT SITE, (1.) DOES NOT LIE WITHIN A FLOOD PLAIN, (2.) DOES  
NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, (3.) HAS NO  
DRAINAGE EASEMENTS ON THE PROPERTY.

BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE  
DISCHARGE OF SURFACE FLOWS OF THE EXISTING AND PROPOSED QUANTITIES HAVE NO  
ADVERSE AFFECT ON DOWNSTREAM PROPERTIES.

#### DRAINAGE CALCULATIONS:

##### I. REFERENCES:

- A. CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), VOL. 2,  
DESIGN CRITERIA, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION  
CONTROL.
- B. SOIL SURVEY OF BERNALILLO COUNTY AND PARTS OF SANDOVAL AND  
VALENCIA COUNTIES, NEW MEXICO, UNITED STATES DEPARTMENT OF  
AGRICULTURE, SOIL CONSERVATION SERVICE, (SCS SHEET No. 31).

##### II. GENERAL INFORMATION:

- A. SOIL TYPE: SOIL TYPE IS "TgB", TIJERAS GRAVELLY FINE SANDY  
LOAM, GENERALLY 1 TO 5 PERCENT SLOPES.
- B. IMPERVIOUSNESS:  
SITE AREA = 0.325 ACRES, ( 14,175.0 SQ. FT. ).  
PRESENT UNDEVELOPED "C" FACTOR = 0.40
- C. TYPE OF SURFACE (EXISTING):  
HARD SURFACED (ASPHALT/GRAVEL) = 0.325 AC. = 100 % X (C=0.95) = 0.95  
BUILDING ROOF AREA = 0.00 AC. = 0 % X (C=0.90) = 0.00  
LANDSCAPED AREA = 0.00 AC. = 0 % X (C=0.25) = 0.00  
UNDEVELOPED AREA = 0.00 AC. = 0 % X (C=0.40) = 0.00  
AVERAGE "WEIGHTED" "C" = 0.95

##### C-1. TYPE OF SURFACE (DEVELOPED):

- HARD SURFACED (ASPHALT/GRAVEL) = 0.22 AC. = 66 % X (C=0.95) = 0.64  
BUILDING ROOF AREA = 0.11 AC. = 34 % X (C=0.90) = 0.31  
LANDSCAPED AREA = 0.00 AC. = 0 % X (C=0.25) = 0.00  
UNDEVELOPED AREA = 0.00 AC. = 0 % X (C=0.40) = 0.00  
AVERAGE "WEIGHTED" "C" = 0.95

- D. RAINFALL, 100-YR., 6-HR.,  $R_6$ : (SEE REF. A., PLATE 22.2 D-1)  
 $R_6 = 2.4$  INCHES.
- E. TIME OF CONCENTRATION,  $T_c$  = TEN (10) MINUTES FOR A SITE THIS SIZE
- F. RAINFALL INTENSITY, "I", (SEE REF. A., PLATE 22.2 D-2)  
 $I = R_6 \times 6.84 \times T_c^{-0.51} = 2.4 \times 6.84 \times (10)^{-0.51} = 5.07$  IN./HR.

##### III. PEAK DISCHARGE: ( Q = CIA )

- UNDEVELOPED:  $Q_{100} = 0.95 \times 5.07 \times 0.325 = 1.57$  cfs  
(EXISTING)  $Q_{10} = 0.657 \times 1.57 = 1.03$  cfs  
DEVELOPED:  $Q_{100} = 0.95 \times 5.07 \times 0.325 = 1.57$  cfs  
(PROPOSED)  $Q_{10} = 0.657 \times 1.57 = 1.03$  cfs

##### IV. PEAK VOLUME:

- A. EXISTING CONDITIONS:  
 $V_{100} = 0.95 \times ( 2.4 / 12 ) \times 14,175.0 = 2,693.3$  CU. FT.  
 $V_{10} = 0.657 \times 2,693.3 = 1,769.5$  CU. FT.
- B. DEVELOPED CONDITIONS:  
 $V_{100} = 0.95 \times ( 2.4 / 12 ) \times 14,175.0 = 2,693.3$  CU. FT.  
 $V_{10} = 0.657 \times 2,693.3 = 1,769.5$  CU. FT.

NOTE: THE SUBJECT SITE WILL HAVE NO INCREASE OF RUN-OFF FROM THE EXISTING  
TO THE PROPOSED CONDITIONS; THE SUBJECT SITE WILL DISCHARGE THE DE-  
VELOPED SURFACE RUN-OFF THROUGH THE EXISTING NORTHERLY DRIVEPAD AND  
INTO WISCONSIN STREET N.E.

NOTE: THE SUBJECT PROJECT SITE IS TO ACCEPT THE  
MINIMAL OFF-SITE FLOOD THRU THE DRAINAGE  
IN THE WALL ALONG THE EAST PROPERTY LINE.

F.E.M.A. PANEL : 30 OF 50

#### CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST  
CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXIST-  
ING UTILITIES.
- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY  
THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS;  
SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER  
SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3.) 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.
- 4.) ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN  
ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PRO-  
CEDURES.

#### EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-  
OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES  
ARE TAKEN:

- 1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION  
OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS RE-  
QUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SITE AND ENTERING  
ADJACENT PROPERTIES.
- 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM  
STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL  
BE PERMITTED TO ENTER PUBLIC STREETS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL  
SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE  
AND DEPOSITED THERE.

#### LEGEND:

- T.C. = 75.67 = TOP OF CURB ELEVATION  
E = 74.57 = CURB PLAN LINE ELEVATION  
--- 78 --- = EXISTING OR PROPOSED CONCRETE  
--- 80 --- = EXISTING CONTOUR  
--- 80 --- = PROPOSED CONTOUR  
--- 80.60 --- = EXISTING FENCE  
--- 80.60 --- = PROPOSED LIMIT OF NEW PAVING

#### GENERAL NOTES:

- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY  
OF THE SUBJECT PROPERTY.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE  
OTHER THAN THOSE SHOWN ON THE PLAT OF RECORD.
- 3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF THE PROPOSED  
IMPROVEMENTS.
- 4.) TOPOGRAPHY SURVEY OBTAINED BY "TRANSIT-STADIA" METHOD.

#### NOTICE TO CONTRACTOR:

- 1.) AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING  
ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS  
MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- 2.) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE  
STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH  
"CONTRACT DOCUMENTS FOR CITY WIDE UTILITIES AND CASH PAVING NO. 31".
- 3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT  
LINE LOCATING SERVICE ( 765-1234 ), FOR LOCATION OF EXISTING OF SURFACE  
AND SUBSURFACE UTILITIES.
- 4.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE  
HORIZONTAL AND VERTICAL 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 FOR THE PROJECT.