

NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE PERMIT.

LEGEND:
- - - EXISTING 1997 ELEVATION
- - - EXISTING 1997 ELEVATION
- - - EXISTING 1997 ELEVATION
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- - - EXISTING 1997 ELEVATION
- - - EXISTING 1997 ELEVATION

CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICES AT 260-1990 FOR LOCATION OF EXISTING BURIED OR OVERHEAD SERVICE UTILITY LINES.
- 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, COUNTY, OR STATE RIGHT-OF-WAYS SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS, REQUIREMENTS, AND PROCEDURES, THEREOF.

EROSION CONTROL MEASURES:

- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:
- 1.) ADJACENT PROPERTIES SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.
 - 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUN-OFF FROM THE SITE; NO SEDIMENT BEARING WATERS 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.

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 PLAN HEREON AND THE PLAT OF RECORD FOR THE SUBJECT PROPERTY.
- 3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF PROPOSED IMPROVEMENTS ON-SITE.
- 4.) TOPOGRAPHY SURVEY OF THE SUBJECT PROPERTY HAS BEEN OBTAINED BY "TRANSIT-STADIA" METHODS.

DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE PLAN SHOWN HEREON:

- 1.) PROPOSED SITE GRADING AND DRAINAGE PLAN
- 2.) VICINITY MAP
- 3.) LEGAL DESCRIPTION (PROPERTY PRESENTLY BEING REPLATTED)
- 4.) LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS
- 5.) DRAINAGE CALCULATIONS FOR THE PROPOSED DEVELOPMENT

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED APPROXIMATELY ONE (1) BLOCK WEST OF YUCCA DRIVE N.W. AND JUST NORTH OF BLUEWATER ROAD N.W., 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 DEVELOPMENT HAS NO ADVERSE AFFECT TO DOWN-STREAM PROPERTIES; ALSO, THE SUBJECT PROPERTY DOES NOT ACCEPT OFFSITE FLOWS BOTH IN THE EXISTING AND PROPOSED CONDITIONS; HOWEVER, IT PRESENTLY CONTRIBUTES OFFSITE FLOWS TO THE ADJACENT PROPERTY TO THE NORTH. THESE FLOWS WILL BE ELIMINATED BY THE PROPOSED DEVELOPMENT.

DRAINAGE CALCULATIONS: (RATIONAL METHOD, $Q_{100} = CIA$)

SITE AREA = 19,881.187 SQ. FT. (0.456 ACRE)

RAINFALL (R_6 , 6 HR.-100 YR.)

RAINFALL INTENSITY "I" = 4.65 IN./HR.

EXISTING CONDITIONS: $Q_{100} = CIA$

UNDEVELOPED AREA (VACANT LAND) = 0.40 X 4.65 X 0.456 = 0.85 CFS

PROPOSED CONDITIONS: $Q_{100} = CIA$

ROOF AREA = 6,855.0 SQ. FT.

PAVED/CONCRETE AREA = 8,235.0 SQ. FT.

LANDSCAPED AREA = 4,791.2 SQ. FT.

UNDEVELOPED AREA = 00.0 SQ. FT.

$C_r = \frac{(6,855.0) \times (0.90)}{19,881.187} = 0.31$

$C_p = \frac{(8,235.0) \times (0.95)}{19,881.187} = 0.39$

$C_L = \frac{(4,791.2) \times (0.25)}{19,881.187} = 0.06$

SUM "C" = 0.76

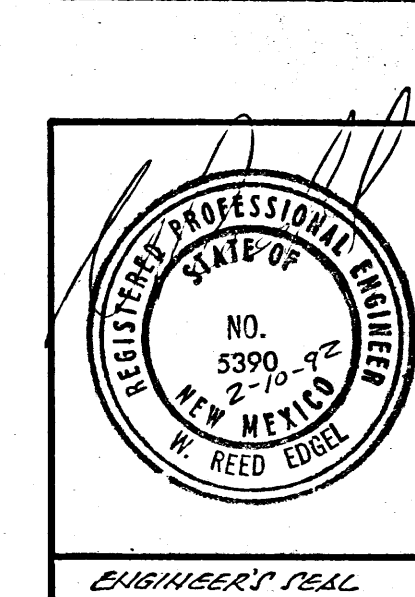
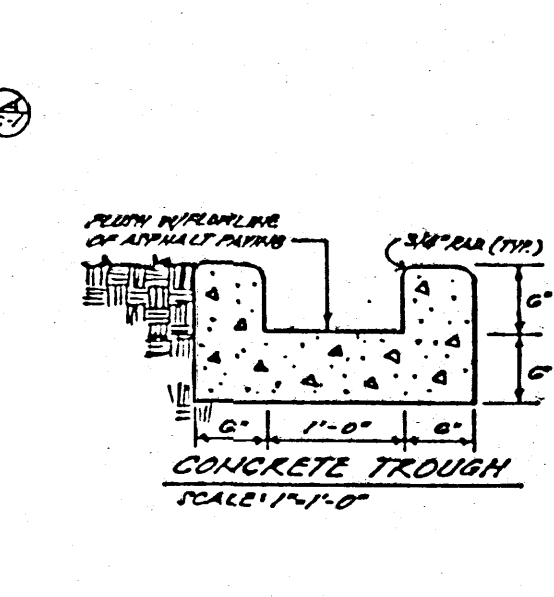
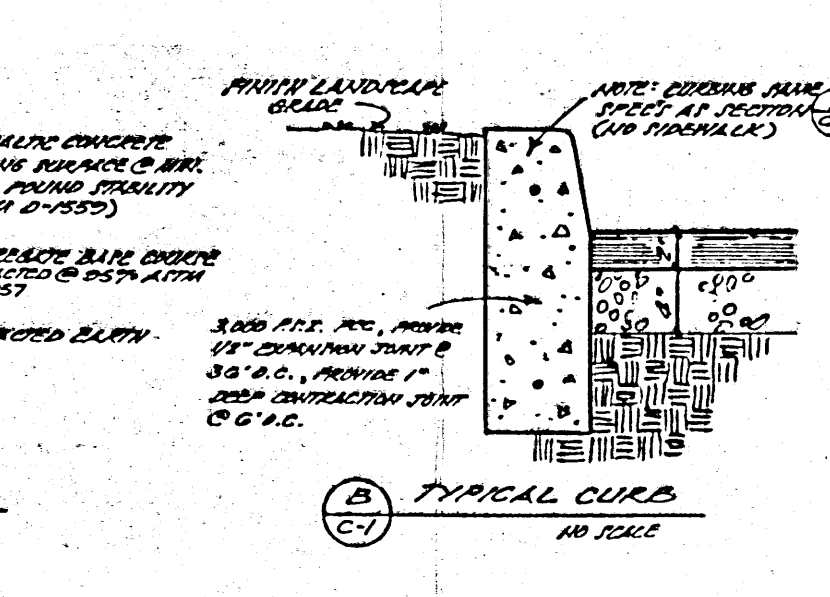
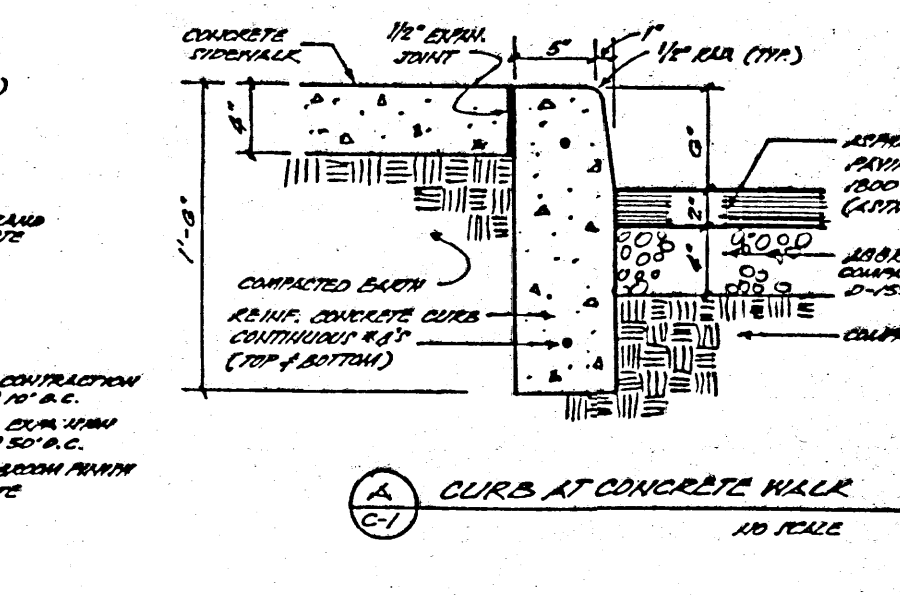
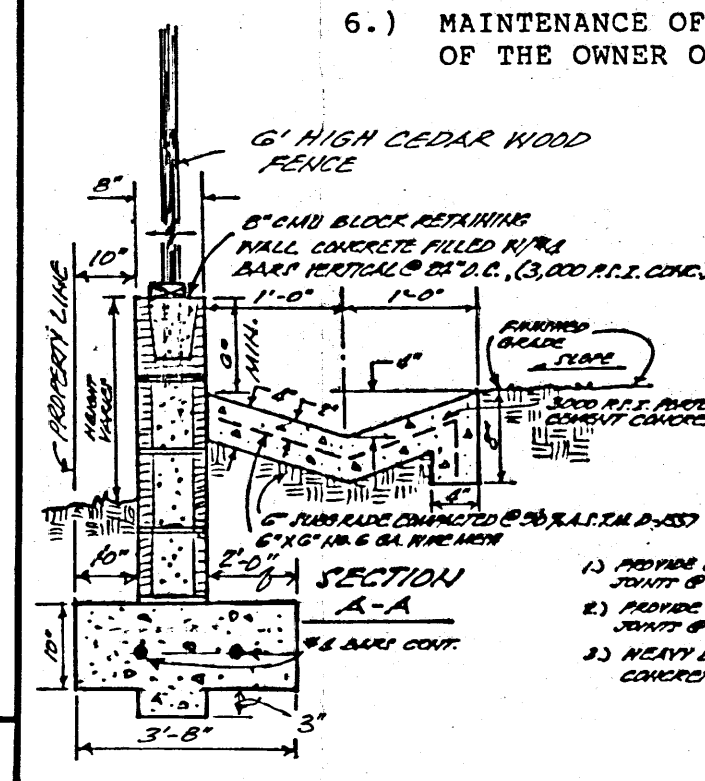
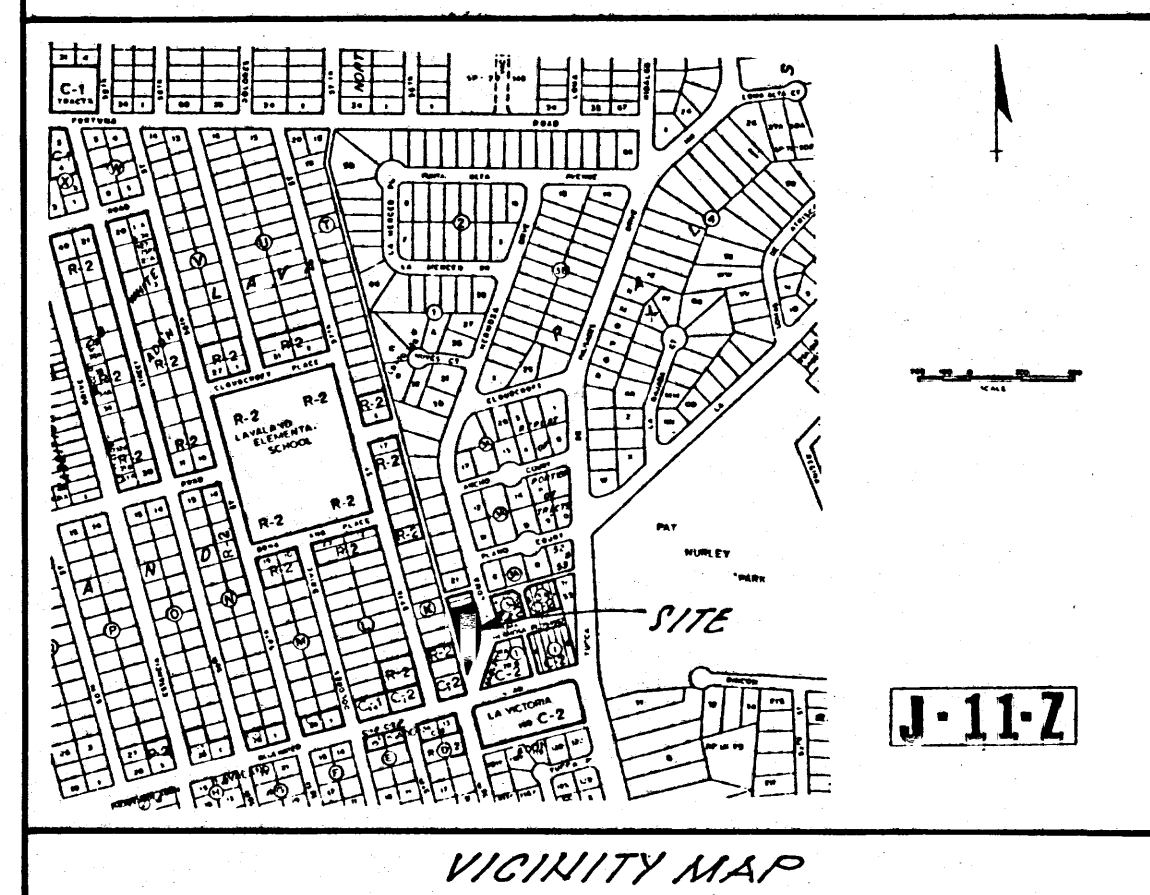
$Q_{100} = (0.76) \times (4.65) \times (0.456) = 1.61 CFS$

** INCREASE = 0.76 CFS

APPROVALS	NAME	DATE
A.C.E./DESIGN	Burns/Notary	3/19/92
INSPECTOR		
A.C.E./FIELD		

NOTICE TO CONTRACTOR:

- 1.) AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THIS PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION OF THIS PERMIT.
- 2.) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATION - PUBLIC WORKS CONSTRUCTION - 1985.
- 3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING 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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5.) BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
- 6.) MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.



LEGAL DESCRIPTION: PROPOSED LOT "2-1", IN BLOCK ONE (1), PALISADES ADDITION, TO THE CITY OF ALBUQUERQUE, NEW MEXICO.

BENCH MARK REFERENCE: "ACS" STATION "11-J11A", (PAGE D24), M.S.L.D. ELEVATION = 5087.413, PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

GRADING AND DRAINAGE PLAN
FOR PROPOSED RESIDENTIAL UNIT
LOT "2-1", BLOCK ONE (1)
PALISADES ADDITION
ALBUQUERQUE, NEW MEXICO
JANUARY, 1992

HYDROLOGY DIVISION