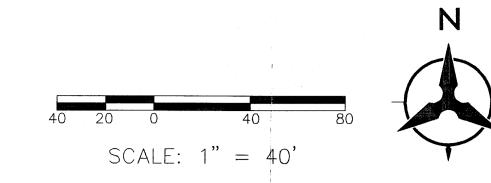
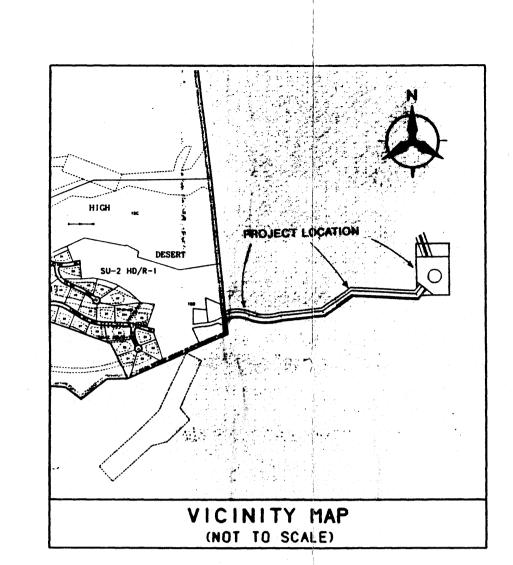
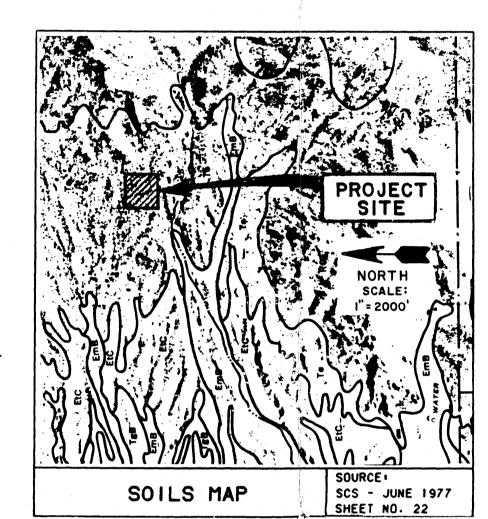


TYPICAL DRAINAGE CHANNEL NOT TO SCALE



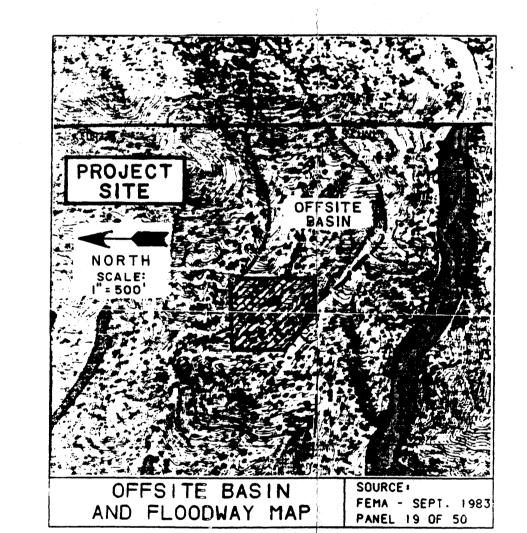




NOTE:

STANDARDS.

ALL DISTURBED AREAS SHALL BE REVEGETATED PER COA



CAÑADA RESERVOIR DRAINAGE PLAN

PLANNING HISTORY: The reservoir site and waterline easement were dedicated for these specific uses when the Albuquerque Academy sold the surrounding land to the U.S. Forest Service in 1982. The reservoir site was selected since it could house the proposed facilities without having a visual impact on land to the west. No other action has been taken on this property.

LEGAL DESCRIPTION: Tract F, "Reservoir Site," as shown on the Elena Gallegos Grant Summary Plat within Projected Sections 25, 26, and 35, T.11N., R.4E, N.M.P.M. within the Elena Gallegos Grant, Bernalillo County, New Mexico, June 1982," containing 3.3373 Acres.

BENCH MARK: 3" brass cap stamped "EMERY," located 223.67 feet west-southwest of the northwest corner of the proposed reservoir site. Elevation = 6509.96.

OFF-SITE FLOWS: Flow from the very upper reach of the Bear Canyon Tributary enters the east and south sides of the proposed site, in unimproved mountainous streams, which flow during and following local rainfall events, but are otherwise dry. Contributing off-site areas are in many areas steep with slopes greater to 20%. Consequently, some of the off-site areas are land use treatment "B" and "C."

ON-SITE FLOWS:

Existing: The site is bisected by the headwater reach of the Bear Canyon Tributary, which flows generally southeast to northwest across the site.

Proposed: Off-site flows from the east and south will be diverted around the proposed reservoir in an improved rock-lined channel section. On-site runoff will be directed radially away from the proposed reservoir to the improved channel. The reservoir site will be fully revegetated to minimize any increase in developed flow rates.

RUNOFF CALCULATION SUMMARY TABLE CANADA RESERVOIR 100 YEAR STORM RUNOFF - DPM PROCEDURE

EXISTING CONDITIONS

BASED ON SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE.

LEGEND

SITE PROPERTY LINE PUBLIC EASEMENT LINE EXISTING CONTOUR EXISTING INDEX CONTOUR 6490 PROPOSED CONTOUR PROPOSED INDEX CONTOUR 6490 SURFACE FLOW DIRECTION PROPOSED STORM DRAIN

R E S E R V O I R

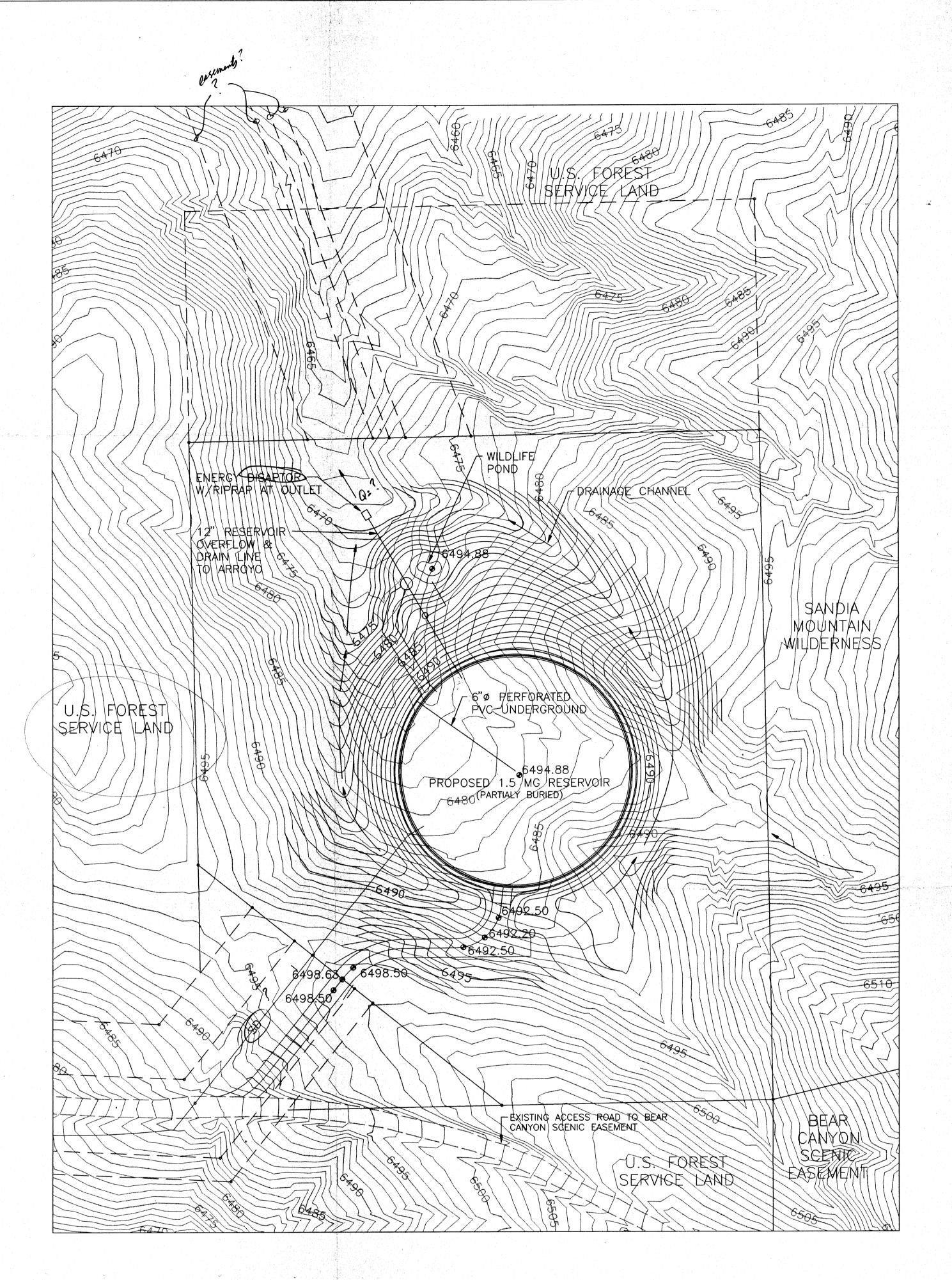
PREPARED FOR:

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT UTILITIES PLANNING DIVISION

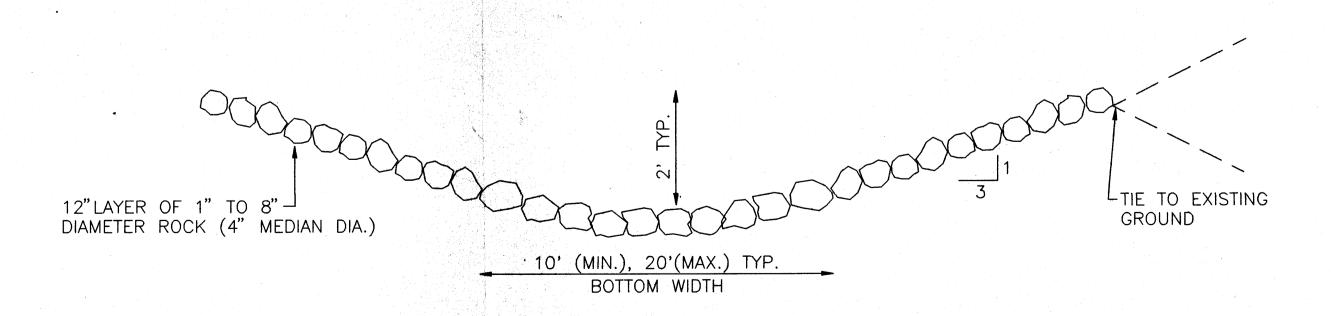
DESIGNED BY:	C.W.H.	10/95	The state of the s
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CHECKED BY:	H.C.S.	10/95	MAR - 4 1996 2
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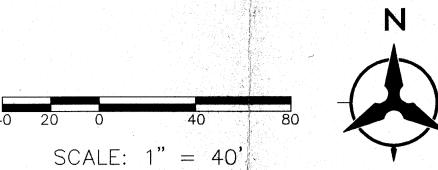




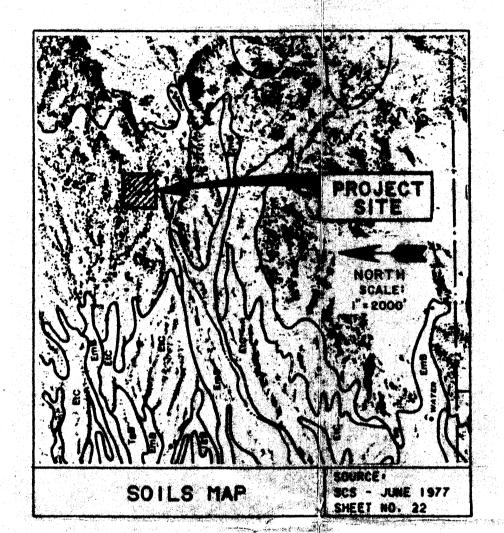
GRADING AND DRAINAGE PLAN SCALE 1"=40'

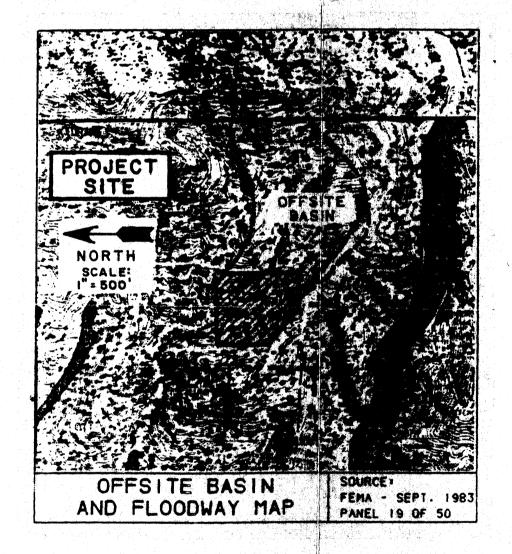


TYPICAL DRAINAGE CHANNEL NOT TO SCALE









CAÑADA RESERVOIR DRAINAGE PLAN

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RUNOFF CALCULATION SUMMARY TABLE

CANADA RESERVOIR
100 YEAR STORM RUNOFF - DPM PROCEDURE

LEGEND

SITE PROPERTY LINE PUBLIC EASEMENT LINE

EXISTING INDEX CONTOUR

EXISTING CONTOUR

PROPOSED CONTOUR PROPOSED INDEX CONTOUR 6490

SURFACE FLOW DIRECTION

PROPOSED STORM DRAIN

 $C A \widetilde{N} A D A$ R E S E R V O I R

G R A D I N G &D R A I N A G E P L A N

NOV - 1 1905

PREPARED FOR:

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT UTILITIES PLANNING DIVISION

10/95

10/95

4 OF 4

SHEET

C.W.H. 10/95 DESIGNED BY: DRAWN BY: CHECKED BY: H.C.S.

HYDRO[H9413220.AUTOCAD] SHTGR-DR.DWG JAMIE 10/20/95