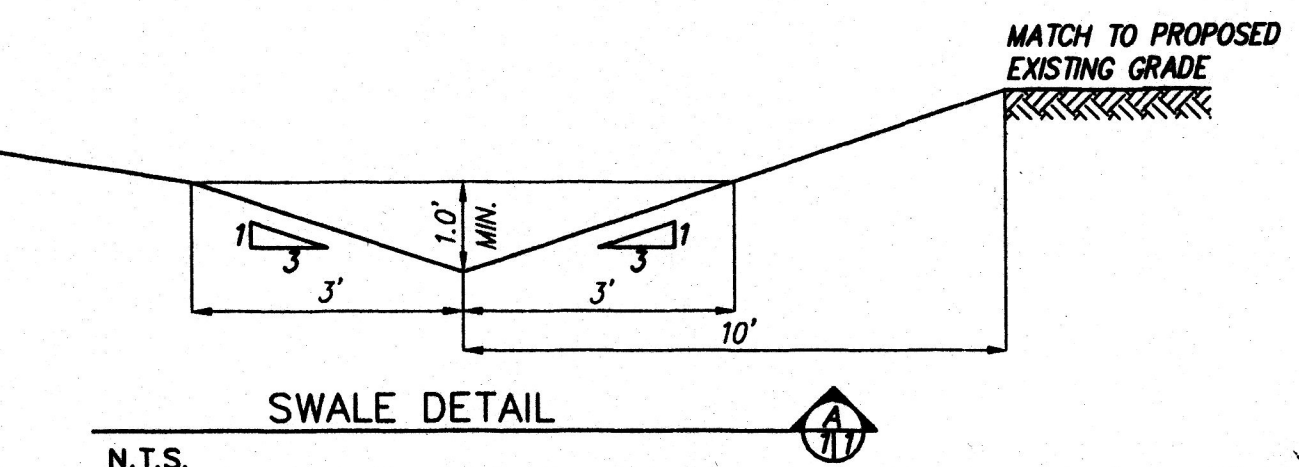
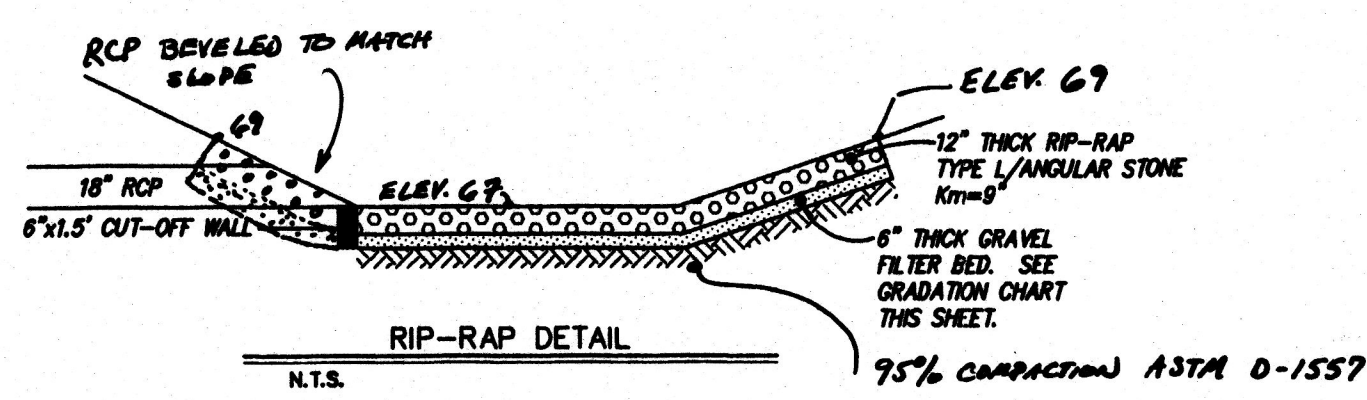
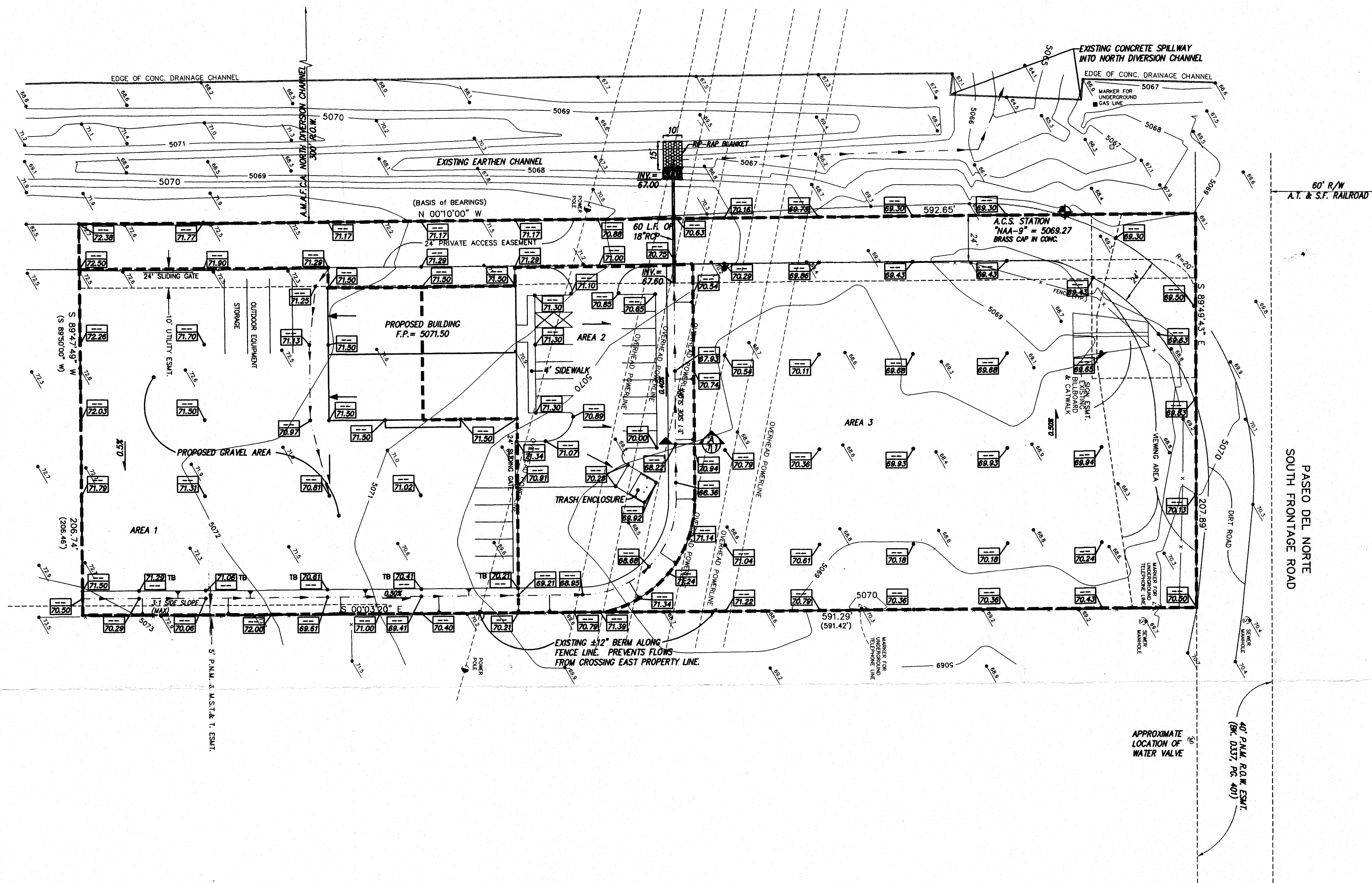




TYPE II GRANULAR BEDDING GRADATION

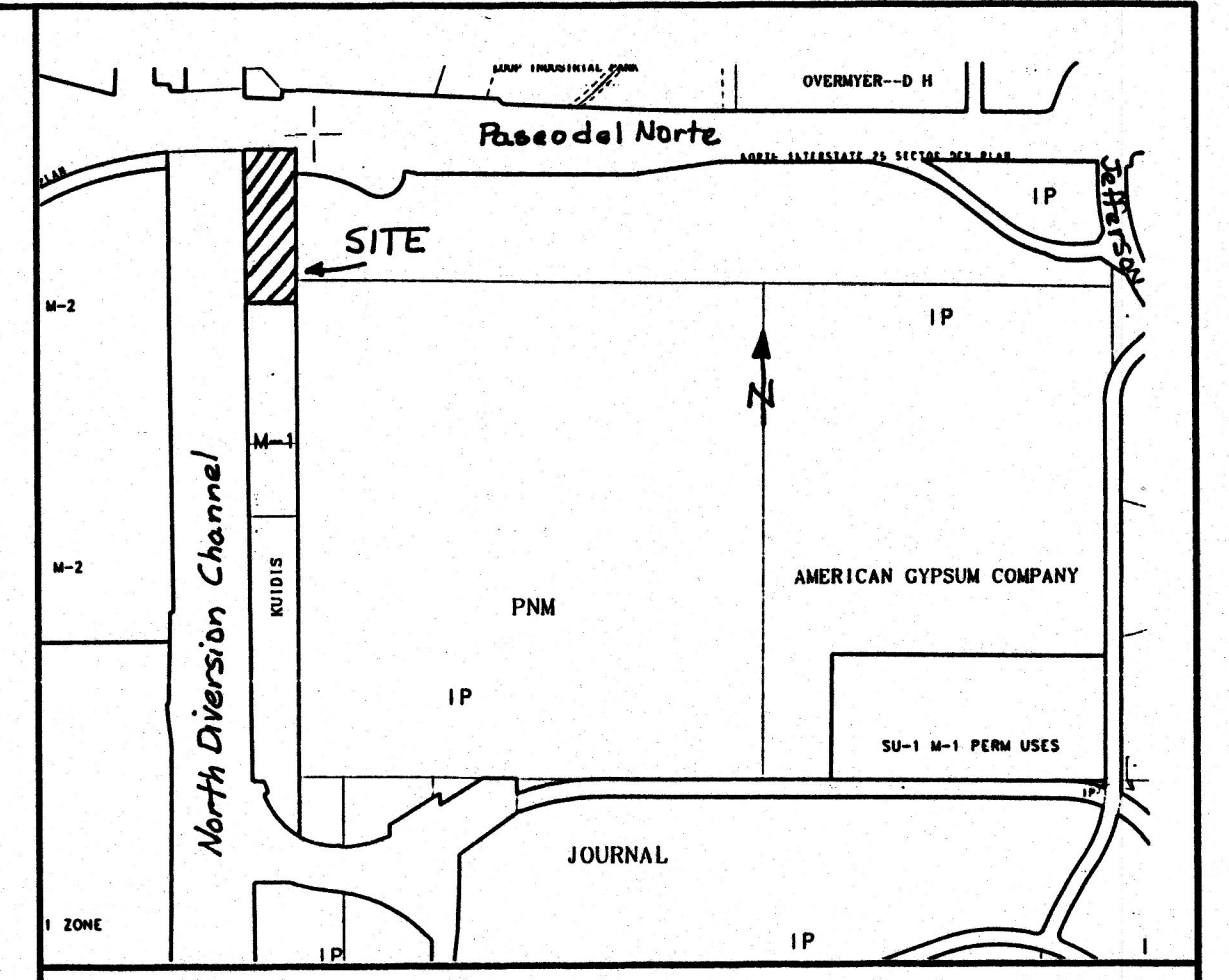
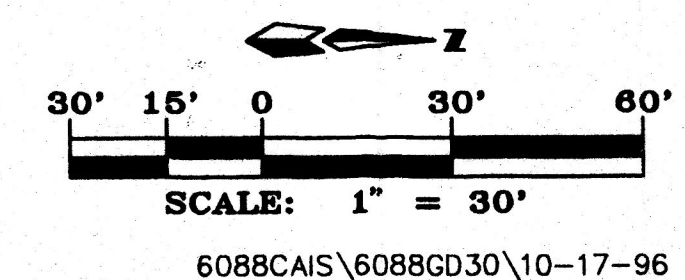
U.S. STD. SIEVES SIZE	PERCENT PASSING BY WEIGHT SQUARE MESH SIEVES
3"	90-100
3/4"	20-90
#4	0-20
#200	0-3

NORTH PORTION OF SITE TO DRAIN TO PROPOSED SINGLE OUTFALL UPON DEVELOPMENT.

- NOTES
1. FLOOD ZONE C FEMA CPN 350002-0009C.
 2. THE SITE IS CURRENTLY UNDEVELOPED VACANT LAND TO BE DEVELOPED INTO A BUILDING AND ADJOINING PARKING LOT AND A GRADED GRAVEL AREA TO THE SOUTH TO BE USED FOR AN OUTDOOR EQUIPMENT STORAGE AREA.
 3. ALL WORK WITHIN AMAFCA R/W MUST BE INSPECTED AND APPROVED BY A REPRESENTATIVE OF AMAFCA. NOTIFY AMAFCA (884-2215) ONE WEEK IN ADVANCE TO ARRANGE FOR THE FOLLOWING INSPECTIONS:
 - A. IN-PLACE GRAVEL FILTER BED WITH THE RIP-RAP MATERIAL LOCATED ON SITE.

SWALE HYDRAULICS

DEPTH = 1.0'
 SIDE SLOPES = 3:1
 CHANNEL SLOPE = 0.005
 $Q(DESIGN) = 6.4$ cfs
 $V(DESIGN) = 2.1$ fps
 $Q(ACTUAL) = 4.2$ cfs
 $V(ACTUAL) = 1.9$ fps
 $D(ACTUAL) = 0.85$ ft.



VICINITY MAP ZONE MAP: D-16-Z

TBM (TEMPORARY BENCHMARK)

A.C.S. BRASS CAP AS SHOWN

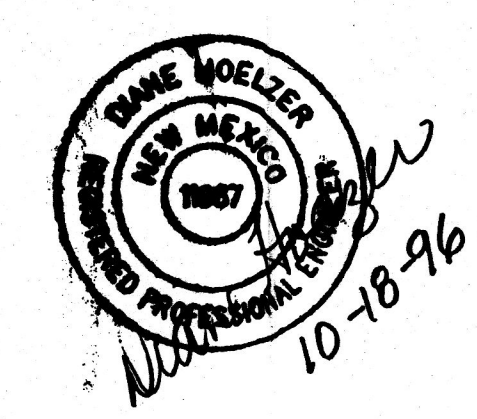
ACS BENCHMARK

A.C.S. CONTROL STATION NAA-9, A STANDARD BRASS TABLET (A.M.A.F.C.A. RIGHT-OF-WAY MARKER) SET IN CONCRETE. ELEV. = 5069.27

LEGAL DESCRIPTION

LOT A OF THE LANDS OF KUDIS, BERNILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE REPLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNILLO COUNTY, NEW MEXICO, ON FEBRUARY 19, 1986, IN MAP BOOK C29, FOLIO 134.

- LEGEND
- EXISTING SANITARY SEWER MANHOLE
 - EXISTING FENCE
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - NEW CONTOUR
 - PROPERTY LINE
 - BASIN BOUNDARY
 - NEW SWALE
 - FLOW ARROW (TYP)
 - ROOF LEADER (TYP)
 - 3:1 SIDE SLOPE
 - NEW SPOT ELEVATION
 - NEW TOP OF BANK ELEVATION



RECEIVED
 OCT 24 1996
 HYDROLOGY DIVISION
 16-23-96
 DATE

ALBUQUERQUE CAISSON
 GRADING & DRAINAGE PLAN

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
 CONSULTING ENGINEERS & SURVEYORS
 P.O. BOX 90606
 ALBUQUERQUE, NEW MEXICO 87199
 (505) 345-2010

Designed: DLH Drawn: MCG Checked: DMG Sheet 1 of 1
 Scale: 1" = 30' Date: 06/19/96 Job: 96088

D16-D4