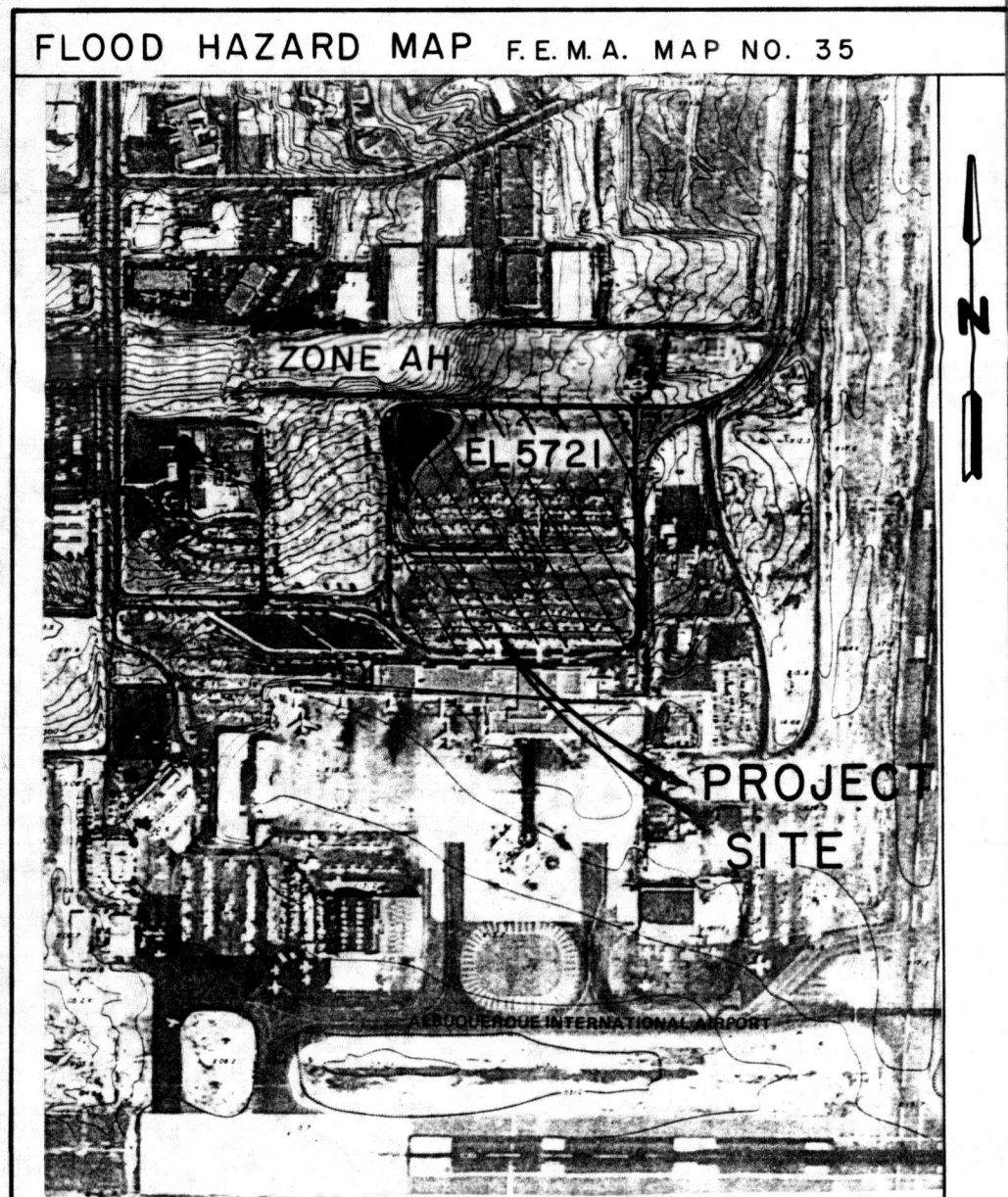
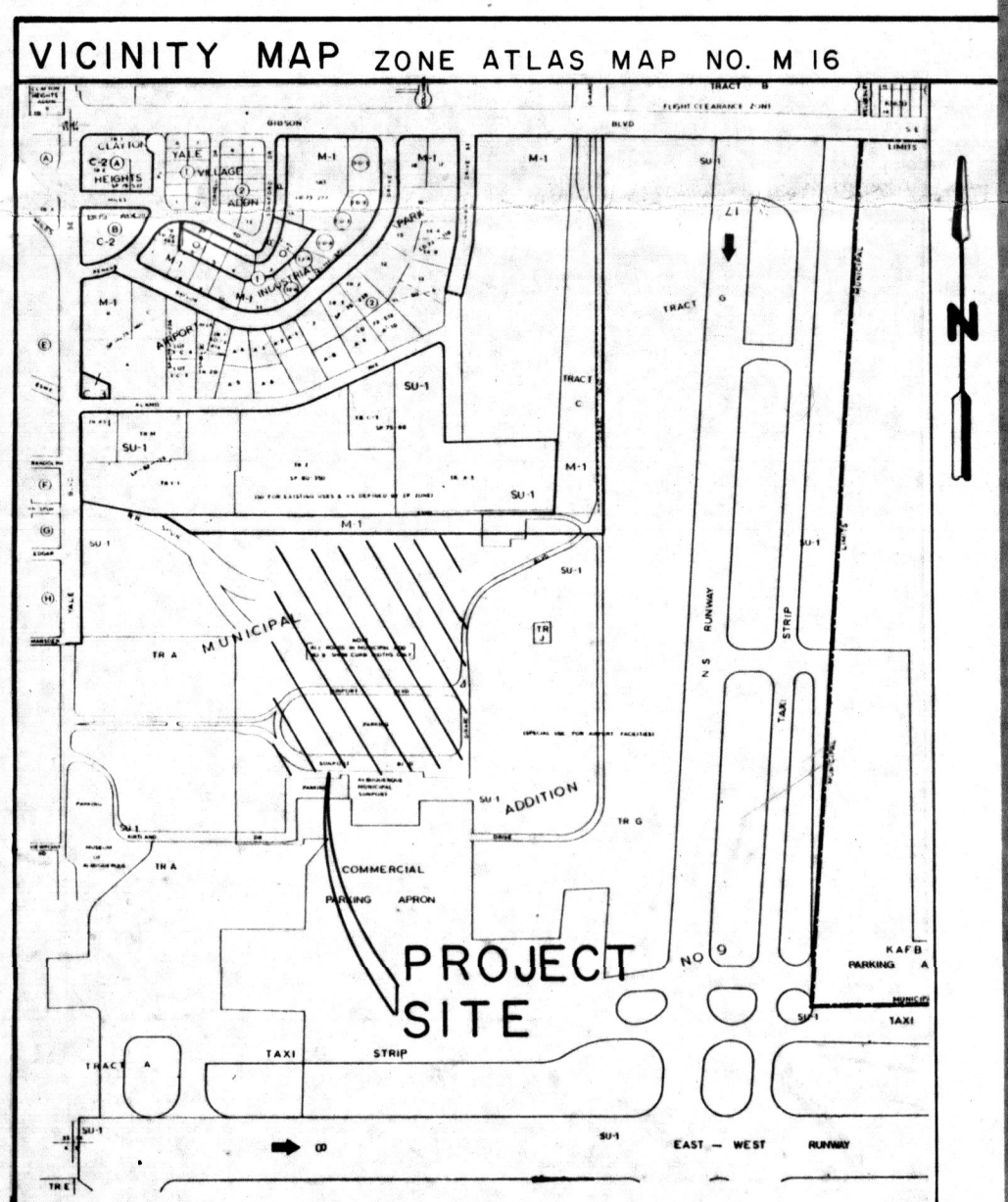




BENCHMARK "SNO", A CHISELED ☐
LOCATED ON THE NORTH SIDE OF
SUNPORT BLVD., THE WEST END OF
THE TERMINAL BLDG., TOP OF CONCRETE
SIDEWALK, APPROX. 120' EAST OF
INTERSECTION CURVE OF SUNPORT
BLVD. ELEV. 5300.00

SEE GRADING PLAN
SHEETS C2.1 - C2.4
FOR PROPOSED AND
EXISTING CONTOURS

DESIGN AND CONSTRUCTION OF AIRPORT MASTER PLAN IMPROVEMENTS

ALBUQUERQUE INTERNATIONAL AIRPORT
2200 SUNPORT BLVD, SE
ALBUQUERQUE, NEW MEXICO 87106

PROJECT NO. 0690611 DATE JULY 198

DRAINAGE PLAN

DRAWING NO.

C 2.0

GENERAL

This drainage plan is intended to function as an update to the Master Plan Improvements Drainage Report. The Masterplan addresses most of the drainage issues, such as outfall capacity, existing condition flow rates and adjacent areas of on and offsite flows. This submittal addresses the particular grading and drainage concepts associated with the construction of the parking structure and its related facilities. The drainage plan is not intended to be a stand alone report.

Flows for individual basins were developed from the Master Plan Improvements Drainage Report. As specified in the C.O.A. Development Process Manual, flow to each inlet is based on a pro-rata basis of the inlet basin area to the corresponding basin area from the drainage report.

EXISTING CONDITIONS

This site is currently the paved parking for the Albuquerque International Airport. The only structures on the site are ticket booths. As shown on F.E.M.A. Map No. 35, the site is not in a flood hazard zone. Adjacent property to the north of the parking structure though is in flood hazard zone AH. Development of the parking structure will not affect this area of flooding.

PROPOSED CONDITIONS

A four-story parking structure with access roads and ramps is proposed under this project. The drainage plan is in general compliance with the Master Plan Improvements Program Drainage Report. One slight modification is the connection of the building drainage to the 42" storm drain. The original plan was to connect a 24 inch line at MH 124. The HGL at this MH is high, at an elevation of 5,280.1'. The parking structure slab is at an elevation of 5,270.0'. Because of the small hydraulic head available backflow into the structure was of concern. The connection is now at MH 106, with more hydraulic head.

The drainage plan is to route most of the runoff through a storm drain running under the structure. A series of roof drains and floor drains on each level will direct flow to this pipe at MH 4. Small landscaped and concrete paved areas on the south and east sides of the structure will also be routed through the storm drain. The pipe then flows west where more on-site flows are picked up and carried to MH 106.

Due to the building design it was necessary to run a storm drain to carry offsite flows to the West side. This line is separate from the interior building drains which are designed by others.

△ REVISE SD ALIGNMENT - SEPT '87 - SKJ

Checked
9/21/87

DO NOT REVISION

SUMMARY OF HYDRAULIC CALCULATIONS

BY: RS
DATE: 8/21/87
SHEET: 1 OF 1

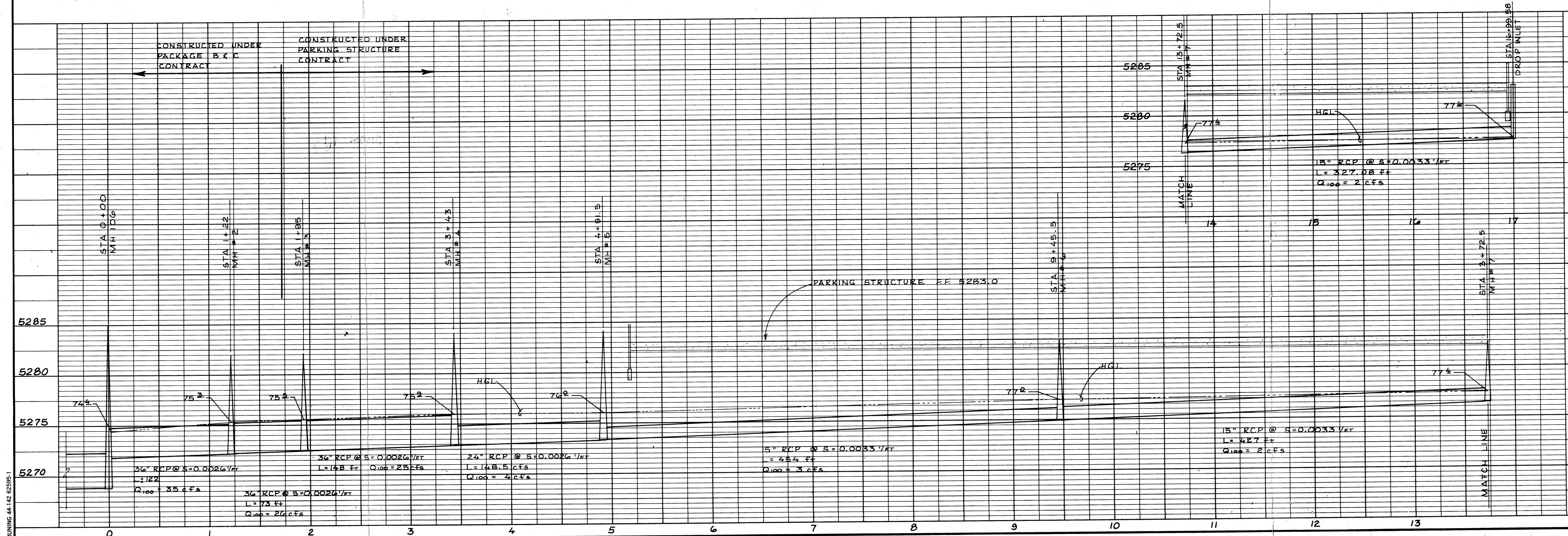
PROJECT: AIA PARKING STR

CLOSED CONDUIT
LINE:

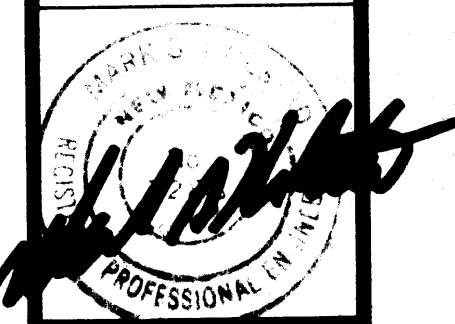
PROJECT: 421 FARM RD											11/12											13/14											15/16											17/18											19/20											21/22										
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1+91	MH2	36"	36	7.08	5.08	0.0026	0.023	13						11	0.0	0.0	0.0	0.0	0.0	37	75.12	30	74.82																																																					
2+64	MH3	36"	36	7.08	5.08	0.0026	0.023	13						11		0.0	0.0	0.0	0.0	37	75.49	21	75.28																																																					
4+12	MH4	36"	36	7.08	5.08	0.0026	0.023	13						21		0.0	0.0	0.0	0.0	37	75.60	20	75.40																																																					
5+60.5	MH5	36"	36	7.08	5.08	0.0026	0.023	13						21	0.0	0.0	0.0	0.0	0.0	37	75.66	19	75.47																																																					
10+14.5	MH6	36"	36	7.08	5.08	0.0026	0.023	13						21	0.0	0.0	0.0	0.0	0.0	37	75.87	18	75.69																																																					
14+41.5	MH7	36"	36	7.08	5.08	0.0026	0.023	13						21	0.0	0.0	0.0	0.0	0.0	37	76.01	08	75.93																																																					
17+68.5	CB	36"	36	7.08	5.08	0.0026	0.023	13						21	0.0	0.0	0.0	0.0	0.0	37	76.05	02	76.03																																																					
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REMARKS:

MANING'S n: 0.015



Revisions



Greiner Engineering
Greiner Engineering Sciences, Inc.
Denver, Colorado
Albuquerque, N.M. Kemmerer, Wyoming

Design: RS
Drawn: SS
Check: SS
Scale:

PARKING STRUCTURE
DRAINAGE PLAN

SEP 21 1987
HYDROLOGY SECTION

Date: REV. 1 - SEPT 1987
Job No.: 0690011
Sheet of: C2.5