HYDROLOGY T13/D1 1 PLAN

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1 Plan

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CITY OF ALBUQUERQUE

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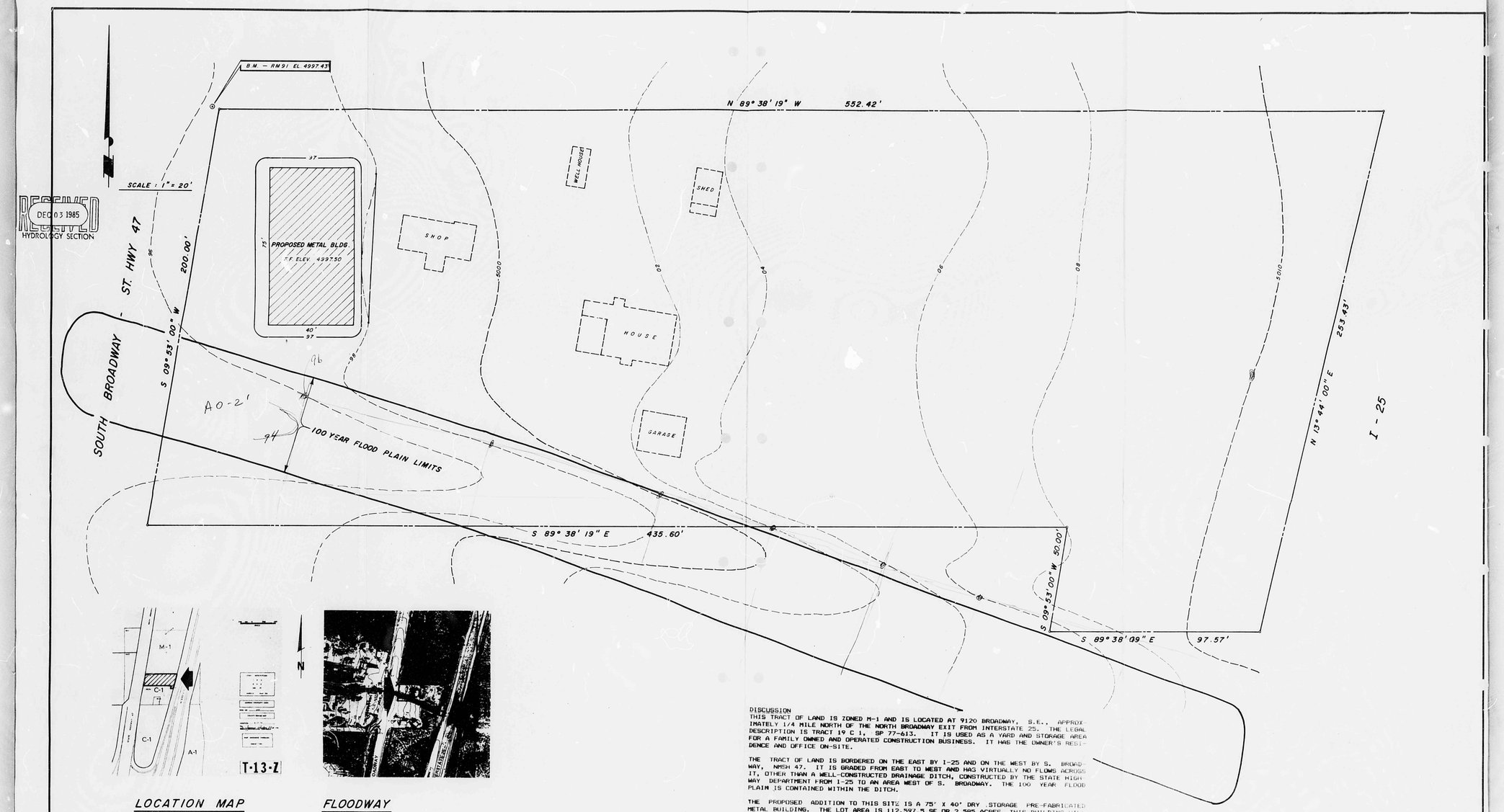

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DEC 03 1985
HYDROLOGY SECTION

LOCATION MAP

FLOODWAY

FLOODWAY BOUNDARY
FLOODWAY MAP
PANEL 48 OF 50 NO. 350002 0048

BP 85-1646

DISCUSSION

THIS TRACT OF LAND IS ZONED M-1 AND IS LOCATED AT 9120 BROADWAY, S.E., APPROXIMATELY 1/4 MILE NORTH OF THE NORTH BROADWAY EXIT FROM INTERSTATE 25. THE LEGAL DESCRIPTION IS TRACT 19 C 1, SP 77-613. IT IS USED AS A YARD AND STORAGE AREA FOR A FAMILY OWNED AND OPERATED CONSTRUCTION BUSINESS. IT HAS THE OWNER'S RESIDENCE AND OFFICE ON-SITE.

THE TRACT OF LAND IS BORDERED ON THE EAST BY I-25 AND ON THE WEST BY S. BROADWAY, NMSH 47. IT IS GRADED FROM EAST TO WEST AND HAS VIRTUALLY NO FLOWS ACROSS IT, OTHER THAN A WELL-CONSTRUCTED DRAINAGE DITCH, CONSTRUCTED BY THE STATE HIGHWAY DEPARTMENT FROM I-25 TO AN AREA WEST OF S. BROADWAY. THE 100 YEAR FLOOD PLAIN IS CONTAINED WITHIN THE DITCH.

THE PROPOSED ADDITION TO THIS SITE IS A 75' X 40' DRY STORAGE PRE-FABRICATED METAL BUILDING. THE LOT AREA IS 112,597.5 SF OR 2.585 ACRES. THIS BUILDING WILL OCCUPY 3,000 SF OR 2.7 % OF THE LOT AREA. USING 2.25 INCHES PER 6 HOURS FOR THE 1 YEAR RAINFALL AND A FACTOR OF 1.75 FOR THE MAX 0-15 MINUTE TIME OF CONCENTRATION RAINFALL, THIS BUILDING WOULD CONTRIBUTE 0.27 CFS TO THE NMSH 47 BAR DITCHES. THIS INCREASE WOULD BE UNDETECTABLE IN THE HIGHWAY'S DRAINAGE DESIGN.

THE SOILS ARE A LOAMY SAND, BCC-BLUEPOINT, WITH A VERY HIGH PERMEABILITY OF FROM 6-20 INCHES PER HOUR. THIS WOULD DICTATE A VERY LOW RUN-OFF FROM THIS SITE.

THIS PROPOSED ADDITION DOES NOT CONSTITUTE A HAZARD FOR ANY DOWNSTREAM OCCUPANTS AND IT WILL BE SAFE FROM FLOOD DAMAGE IF CONSTRUCTED IN ACCORDANCE WITH THESE PLANS.

C.A. COONCE & ASSOC.
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TITLE: DRAINAGE AND GRADING PLAN

PROJECT: 9120 BROADWAY S.E.

DATE	11-20-85	REVISED				
DRAWN	V.M.					
CHECKED	C.A.C.					SHEET 1 OF 1

CITY OF ALBUQUERQUE
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