HYDROLOGY

G14/D11

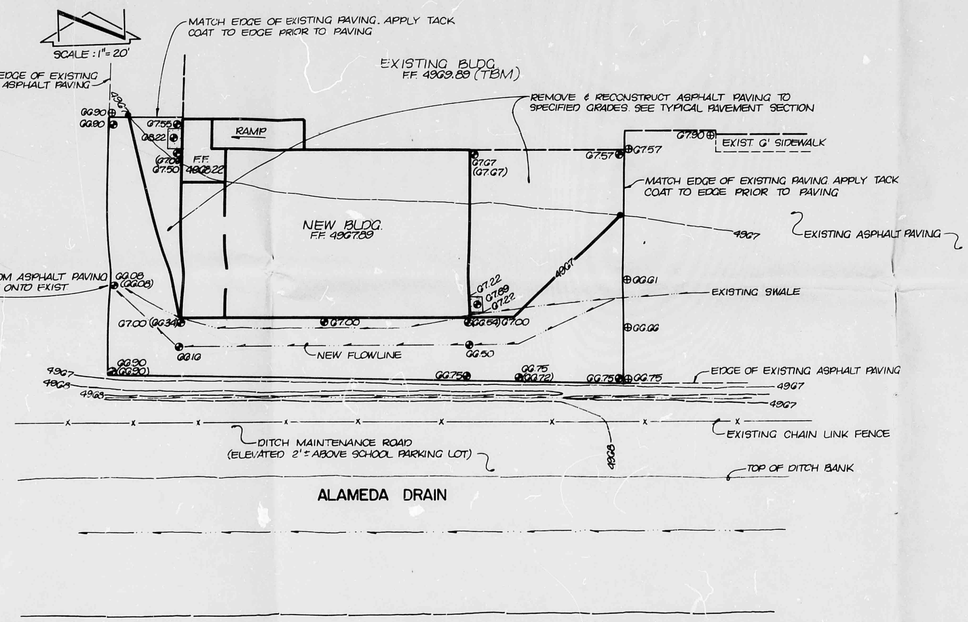
ONE PLAN

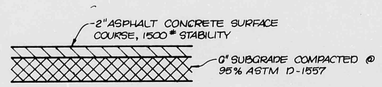
GARFIELD AND GRANT

MIDDLE SCHOOLS

G14 - D11

1 PLAN

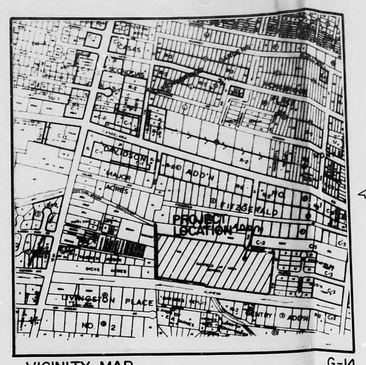




TYPICAL PAVEMENT SECTION
SCALE: 1" = 1'-0"

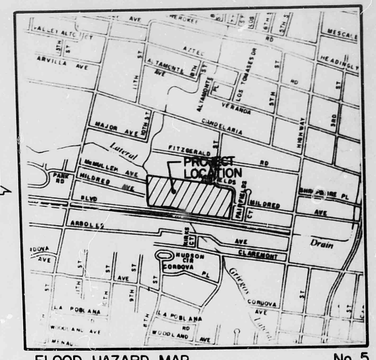
LEGEND

⊕GG.90	EXISTING SPOT ELEVATION
●GG.90	PROPOSED SPOT ELEVATION
●G7.00 (GG.87)	PROPOSED SPOT ELEVATION / EXISTING SPOT ELEVATION
49G8	EXISTING CONTOUR
49G8	PROPOSED CONTOUR
	SWALE FLOWLINE



VICINITY MAP
SCALE: 1" = 800'

G-14



FLOOD HAZARD MAP
SCALE: 1" = 1000'

No. 5

DRAINAGE PLAN

The following items concerning the Garfield Middle School Addition Drainage Plan are contained hereon:

1. Vicinity Map
2. Flood Hazard Map
3. Grading Plan

The proposed improvements, as shown by the Vicinity Map, are located on the Garfield Middle School Campus which is located north of the Alameda Drain, east of the Griegos Lateral, west of Sixth Street and south of Fairfield Place. At present, the site is developed. Adjacent sites are also developed.

The site does not lie within a flood hazard zone, as shown by the Flood Hazard Map. The Flood Hazard Map was taken from the "City of Albuquerque, New Mexico, Bernalillo County Flood Hazard Boundary Map" prepared by the U. S. Department of H.U.D., Federal Insurance Program. This is also demonstrated by the review of the Albuquerque Master Drainage Study Plate G14. Offsite flows are not a problem at this site, as evidenced by field inspection and map review. A designated flood hazard zone, as shown by the Albuquerque Master Drainage Study, does exist at the west side of the campus. This existing flood zone does not present a threat to the proposed improvements; in fact, the fringe of the flood zone is approximately 450 feet west of the proposed addition.

The Grading Plan shows (1) existing and proposed grades indicated by spot elevations and contours at 1'-0" intervals, (2) continuity between proposed and existing elevations and (3) the limit and character of the proposed improvements. As shown by this plan, the existing drainage pattern will not be changed by the proposed improvements. The runoff generated on the site will not be changed either due to the fact that the amount of impervious area will remain constant. Furthermore, the finished floor of the proposed building will be elevated at least 8 inches above the finished grade of the adjacent asphalt pavement. This will ensure that even if storm water should temporarily "back-up" on the asphalt pavement, it will not enter the proposed building.

No calculations have been performed for this site due to the fact that runoff quantities will not be affected by the proposed improvements. This conclusion has been reached knowing that the existing drainage patterns and amount of impervious area on the site will not be changed.

OTHER INFORMATION

1. **PROJECT BENCHMARK:** ACS brass cap 7-G-14A located in the north curb line of Candelaria N.W. at the intersection with 7th Street N.W.

   Elevation: 4966.54 feet (MSLD)

2. **TEMPORARY BENCHMARK:** Finished floor of existing building as shown on adjacent plan.

   Elevation: 4969.89 feet (MSLD)

3. **ADDRESS:** 3501 6th Street N.W.

G 14 - D11

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO THOMAS T. MARR, JR. 5792 LAND SURVEYOR
7/14/82

TOM MARR ASSOCIATES, P.C.
811 DALLAS N.E. · ALBUQUERQUE · NEW MEXICO · 87110
ENGINEERS

NO.	DATE	BY	REVISIONS

DESIGNED BY: JGM
DRAWN BY: CGC
APPROVED: TTM

JOB NO. 2-0681
DATE 7/81

GARFIELD MIDDLE SCHOOL ADDITION

ALBUQUERQUE PUBLIC SCHOOLS

G14/D11

FILE NO.

SHEET 1 OF 1