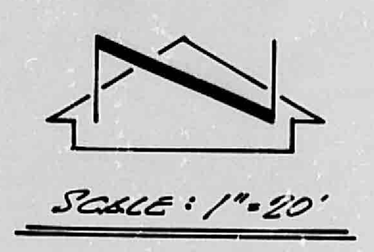
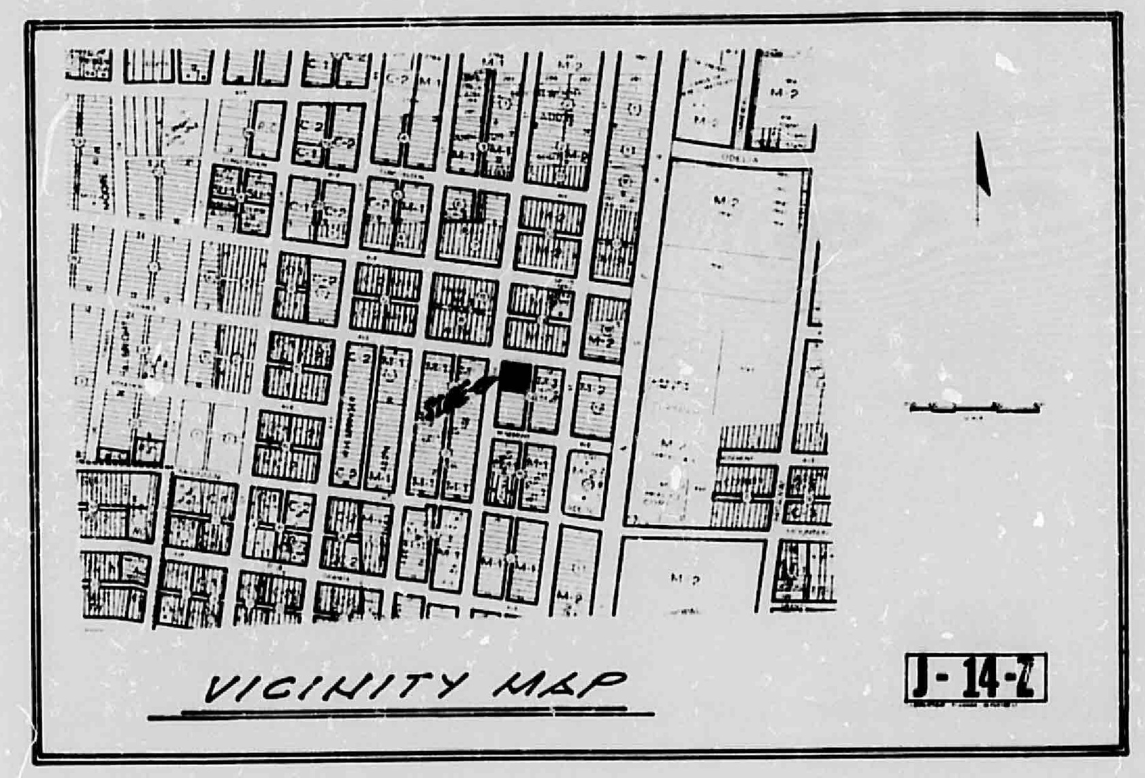
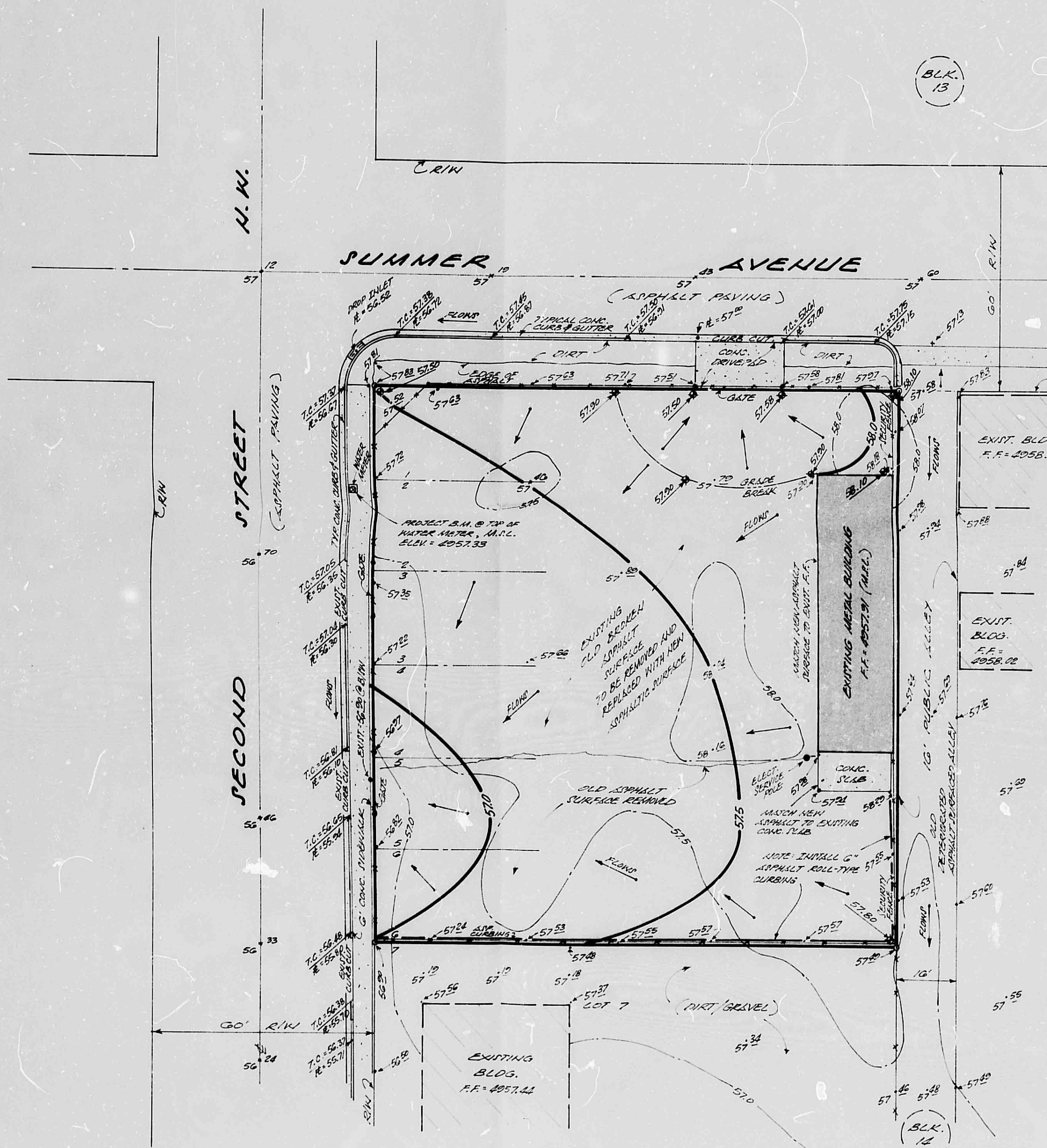


PAVING DETAIL
SCALE: 1" = 2.0'

LEGEND:

- T.C. = 57.25 = TOP OF CURB ELEVATION
- ℄ = 56.90 = CURB FLOW LINE ELEVATION
- = EXISTING OR PROPOSED CONCRETE
- — 58.0 — = EXISTING CONTOUR
- — 58.0 — = PROPOSED CONTOUR
- —x—x— = EXISTING FENCE
- 57.90 = PROPOSED SPOT ELEVATION
- = PROPOSED LIMITS OF NEW PAVING





NOTE: THE RE-SURFACING OF THE EXISTING ASPHALT SURFACE WILL NOT CREATE ANY SURFACE DRAINAGE OR INGRESS AND EGRESS TO THE ADJACENT 16' PUBLIC ALLEY FROM THE SUBJECT SITE.

GENERAL NOTES:

1. TOPOGRAPHY SURVEY PERFORMED BY "TRANSIT-STADIA METHOD.
2. NO SEARCH AS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT PROPERTY OTHER THAN SHOWN ON THE MAP HEREON.
3. UTILITY LINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE ENGINEERING DEPARTMENT RECORDS AND FIELD SURVEY DATA.

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

LEGAL DESCRIPTION:

A CERTAIN TRACT OR PARCEL OF LAND SITUATED WITHIN THE CITY LIMITS OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO: BEING AND COMPRISING LOTS NUMBERED 1, 2, 3, 4, 5, AND 6, IN BLOCK 14 OF THE PARIS ADDITION, A SUBDIVISION OF THE CITY OF ALBUQUERQUE, NEW MEXICO.

BENCH MARK REFERENCE:

STANDARD USC &GS BRASS CAP STAMPED "L-224 RESET" SET IN THE TOP OF TRAFFIC WARNING LIGHT AT MOUNTAIN ROAD N.W. AND RAILROAD TRACK. M.S.L. ELEVATION = 4958.560.

PROJECT TEMPORARY BENCH MARK (TBM) IS AS SHOWN ON THE GRADING PLAN HEREON.

DRAINAGE CALCULATIONS

I. REFERENCES:

A. City of Albuquerque Development Process Manual (DPM) Volume 2, Design Criteria, Chapter 22, Drainage, Flood Control and Erosion Control.

B. Soil Survey of Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico, United States Department of Agriculture, Soil Conservation Service.

II. GENERAL INFORMATION:

A. Soil Type (Ref. B., Page 30) Soil type is Gk, Glendale loam, Hydrologic Soil Group B.

B. Imperviousness.
Existing site is 100% impervious. Development consists of repaving the site with 6-inch base course and 4-inch asphalt concrete surface course. Negligable change in imperviousness will result.

C. "C" Factor (See Ref. A., Plate 22.2 C-1) For 100% impervious, "C" = 1.0.

D. Rainfall, 100-year, 6-hour (R_6) See Ref. A., Plate 22.2 D-1) R_6 = 2.2 inches.

E. Time of Concentration (T_c) (See Ref.A., Plate 22.2 B-1)
Minimum slope 0.70% Velocity = 1.05 feet per second.
Length of watershed is 145 feet.
$T_c = 145 / 1.05 \times 60 = 2.3$ minutes Use 10 minutes

F. Rainfall Intensity (See Ref. A., Plate 22.2 D-2)
$I = R_6 \times 6.84 \times T_c^{-0.51} = 2.2 \times 6.84 \times 10^{-0.51} = 4.65$
I = 4.65 in./hr.

III. PEAK DISCHARGE:

A. Rational equation, Q = CIA, C and I as defined above.
A = site area in acres = 0.489 acres (21,300 SF)

B. Total site Discharge. $Q_{100} = CIA = 1.0 \times 4.65 \times 0.489$
Q_{100} = 2.27 cfs.

$Q_{10} = 0.657 \times 2.27 = 1.49$ cfs (See Ref.A., Plate 22.2 D-1)

C. Discharge to Summer Street, N.W.
A = 1,750 SF = 0.0402 acres.
$Q_{100} = 1.0 \times 4.65 \times 0.0402 = 0.19$ cfs
$Q10 = 0.657 \times 0.19 = 0.12$ cfs

D. Summary of Discharge

Summary of Discharge	Q_{10}	Q_{100}
Discharge to Summer Street	0.12 cfs	0.19 cfs
Discharge to Second Street	1.37 cfs	2.08 cfs
Total Site Discharge	1.49 cfs	2.27 cfs

IV. CONCLUSIONS:

A. Repaving of this site will not increase discharge beyond its present level.

B. All runoff from the site will be discharged through drivepads.

C. Repaving of the site as proposed will have no adverse effect on area drainage.

GRADING AND DRAINAGE PLAN
FOR
YELLOW FREIGHT LINES, INC.
(SECOND ST. N.W. & SUMMER AVENUE, N.W.)
ALBUQUERQUE, NEW MEXICO