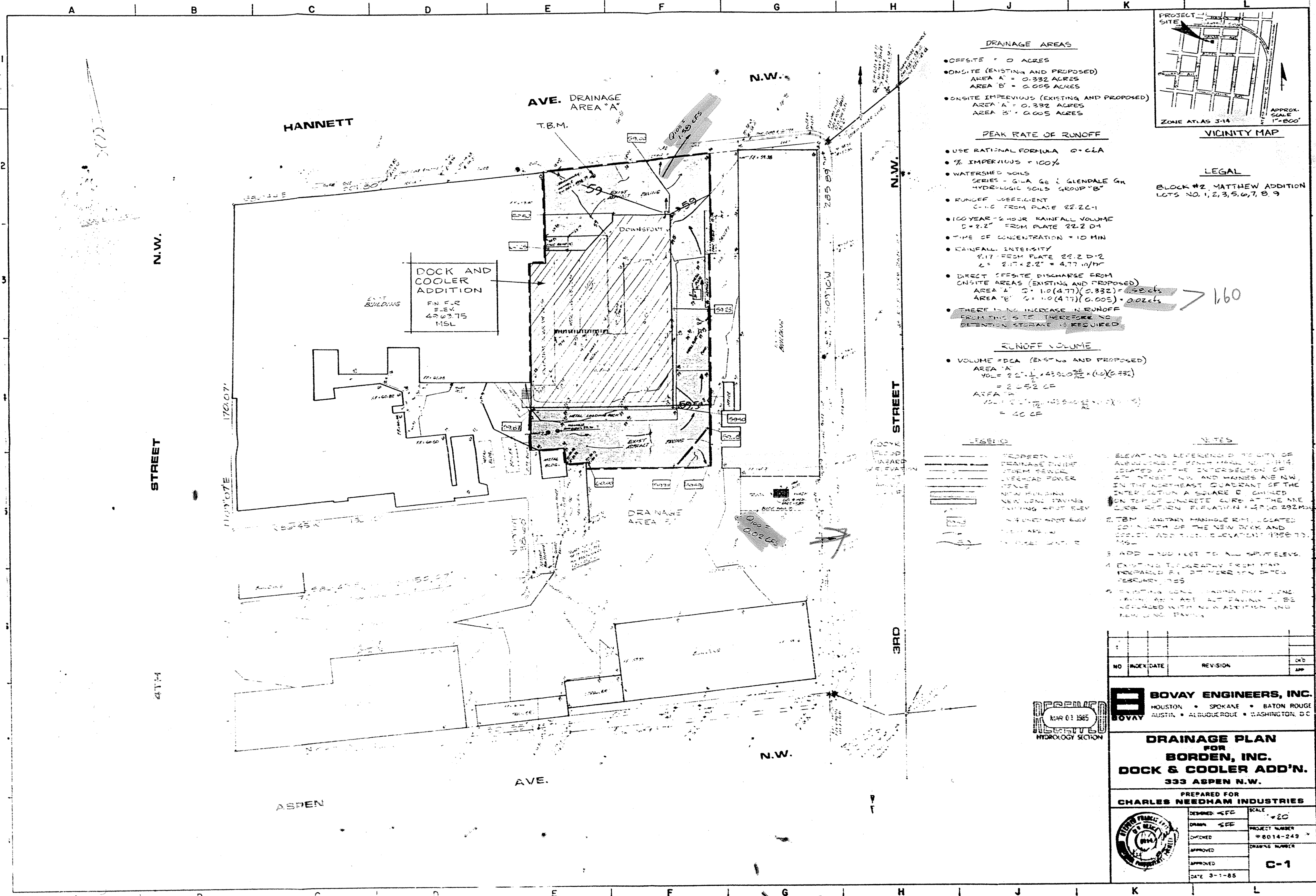


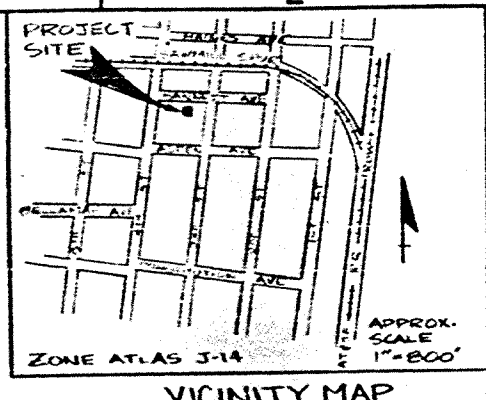


- DRAINAGE AREAS**
- OFFSITE = 0 ACRES
 - ONSITE (EXISTING AND PROPOSED)
AREA A = 0.332 ACRES
AREA B = 0.005 ACRES
 - ONSITE IMPERVIOUS (EXISTING AND PROPOSED)
AREA A = 0.332 ACRES
AREA B = 0.005 ACRES

- PEAK RATE OF RUNOFF**
- USE RATIONAL FORMULA $Q = CIA$
 - % IMPERVIOUS = 100%
 - WATERSHED SOILS
SERIES - GILA G6 & GLENDALE G4
HYDROLOGIC SOILS GROUP "B"
 - RUNOFF COEFFICIENT
C = 1.0 FROM PLATE 22.2C-1
 - 100 YEAR - 2 HOUR RAINFALL VOLUME
D = 2.2" FROM PLATE 22.2 D1
 - TIME OF CONCENTRATION = 10 MIN
 - RAINFALL INTENSITY
I = 2.17" FROM PLATE 22.2 D-2
L = 2.17 x 2.2" = 4.77 in/hr
 - DIRECT ONSITE DISCHARGE FROM
ONSITE AREAS (EXISTING AND PROPOSED)
AREA A $Q = 1.0(4.77)(0.332) = 1.58 cfs$
AREA B $Q = 1.0(4.77)(0.005) = 0.02 cfs$
 - THERE IS NO INCREASE IN RUNOFF
FROM THIS SITE THEREFORE NO
DETENTION STORAGE IS REQUIRED

- RUNOFF VOLUME**
- VOLUME = QCA (EXISTING AND PROPOSED)
AREA A
VOLUME = $2.2 \times \frac{1}{2} \times 43,500 \times \frac{1}{2} \times (0.332)$
= 2,592 CF
AREA B
VOLUME = $2.2 \times \frac{1}{2} \times 43,500 \times \frac{1}{2} \times (0.005)$
= 40 CF

- LEGEND**
- PROPERTY LINE
 - SEWER DRAINAGE
 - SEWER
 - SEWER POWER
 - SEWER
 - NEW BUILDING
 - NEW CONC. PAVING
 - EXISTING PAVING
 - EXISTING SPOT ELEV.
 - NEW SPOT ELEV.
 - NEW ASPHALT
 - NEW CONC. DRIVE



LEGAL
BLOCK #2 MATTHEW ADDITION
LOTS NO. 1, 2, 3, 5, 6, 7, 8, 9

- NOTES**
1. ELEVATIONS REFERENCED TO CITY OF ALBUQUERQUE 1985 MASHING SURFACE LOCATED AT THE INTERSECTION OF 27TH STREET N.W. AND HAINES AVE. N.W. IN THE NORTHEAST QUADRANT OF THE INTERSECTION A SQUARE D CHIMNEY ON TOP OF CONCRETE CURB AT THE N.W. CORNER ELEVATION = 4900.292 MSL
 2. T.B.M. EXISTING MANHOLE RIM LOCATED 50' NORTH OF THE NEW DOCK AND COOLER ADDITION ELEVATION = 4926.70 MSL
 3. ADD 1.500 FEET TO ALL SPOT ELEV.
 4. EXISTING TOPOGRAPHY FROM MAP PREPARED BY DT MARCH 1965 DATED FEBRUARY 1965
 5. EXISTING CONC. PAVING WITH CONC. CURB AND ASP. ALT. PAVING TO BE REPLACED WITH NEW ASP. ALT. AND NEW CONC. PAVING

NO.	INDEX	DATE	REVISION	OWN	APP
BOVAY ENGINEERS, INC. HOUSTON • SPOKANE • BATON ROUGE AUSTIN • ALBUQUERQUE • WASHINGTON, D.C.					
DRAINAGE PLAN FOR BORDEN, INC. DOCK & COOLER ADD'N. 333 ASPEN N.W.					
PREPARED FOR CHARLES NEEDHAM INDUSTRIES					
		DESIGNED: SFC DRAWN: SFC CHECKED: APPROVED: DATE: 3-1-85			
		SCALE: 1"=20' PROJECT NUMBER: 8014-249 DRAWING NUMBER: C-1			