

VICINITY MAP (H-16-Z)

NOT TO SCALE

## DRAINAGE PLAN

## 1. BACKGROUND:

The proposed project is a structure addition to an existing auto body shop building. The front parking area will be reconfigured to accommodate a handicapped parking space and an accessible route into the building. The area of the building addition is currently paved with gravel and generally drains (at a fairly flat slope) to the street.

## 2. OFF-SITE FLOWS:

There are no off-site flows entering the project site.

## 3. EXISTING HYDROLOGY:

The site currently has two drainage basins. Basin B-1 drains to the street and Basin B-2 ponds on itself and overflows to the west behind the adjacent building. Runoff was estimated using the methods in part A of Chapter 22.2 of the DPM. The project site is located in Zone 2 per Figure A-1.

BASIN	AREA (ACRES)	%C	%D	V10 cfs	Q100 cfs
B-1	0.295	38	62	1867	1.21
B-2	0.009	100	0	37	0.03
<b>TOTAL</b>					<b>1.24</b>

## 4. PROPOSED HYDROLOGY:

The proposed hydrology is shown below and indicates a very slight increase since a gravel paved parking area is being replaced with a building rooftop and asphalt paving. The proposed 12'x15' landscaped planter at the northeast corner of the existing building will help mitigate the increase in flows caused by the paving.

BASIN	AREA (ACRES)	%A	%C	%D	V10 CFS	Q100 CFS
B-1	0.295	2	6	92	2173	1.34
B-2	0.009	0	50	50	53	0.04
<b>TOTAL</b>						<b>1.38</b>

## 5. SUMMARY:

The negligible increase in runoff (0.14 cfs) from the development of the proposed site with a building addition will not adversely affect any downstream areas. It should be noted that the architectural plans for the structure indicate that all roof drainage will be collected and conveyed via gutters to the northeast corner of the building. Only the rainfall which lands on the paved areas east of the structure must be conveyed in the 0.25% slope swale which runs north through the service parking area, therefore its flat slope is not problematic from a drainage point of view.

community  
sciences  
corporationLAND PLANNING ENGINEERING SURVEYING  
P.O. Box 1328 Corrales, N.M. 87048

## ADDRESS:

3216 LOS ARBOLES, NE  
ALBUQUERQUE, NEW MEXICO

## LEGAL DESCRIPTION:

TRACT C-2, BLOCK E, REPLAT OF PARCEL C, DUKE CITY  
INDUSTRIAL AREA

## BENCHMARK:

ACS BRASS TABLE STAMPED "2-G16 1979" LOCATED ABOUT  
36 FEET NORTHWEST OF THE WEST END OF THE NORTH  
WINGWALL OF THE NORTH DIVERSION CHANNEL AT THE  
CANDELARIA ROAD CROSSING.  
ELEVATION = 5112.36

## TBM:

TEMPORARY BENCH MARK FOR PROJECT CONSTRUCTION IS A  
PAINTED SPOT ON THE NORTHWEST CORNER OF THE FRONT  
SIDEWALK AT THE TOP OF THE STEP.  
ELEVATION = 5124.52

## GENERAL NOTES:

- THE SWALE THROUGH THE PARKING AREA EAST OF THE SHOP GARAGE DOORS IS AT A GRADE OF LESS THAN 0.5% AND WILL BE SUBJECT TO SMALL AMOUNTS OF STANDING WATER AND INCREASED MAINTENANCE (DUE TO EXISTING GRADES ACROSS THE EXISTING CONCRETE PAVING).
- EXISTING ELEVATIONS ARE BASED ON A FIELD SURVEY OF THE SITE.

## LEGEND:

TCP	= TOP CONCRETE PAVING
TA	= TOP ASPHALT
FG	= FINISH GRADE
TSW	= TOP SIDEWALK

TBM	= TEMPORARY BENCHMARK
-----	-----------------------

FG 24.8	= PROPOSED ELEVATION
— X —	= CHAINLINK FENCE
— X —	= OVERHEAD ELECTRIC LINE
TC 24.52 FL 23.87	= EXISTING SPOT ELEVATIONS
—>—	= FLOW DIRECTION
—>—	= ROOF FLOW DIRECTION
—>—	= OFFSITE FLOW PATTERN

—>—	= NEW AC PAVING OR OVERLAY
-----	----------------------------

BUILDING ADDITION  
MAYERS COLLISION

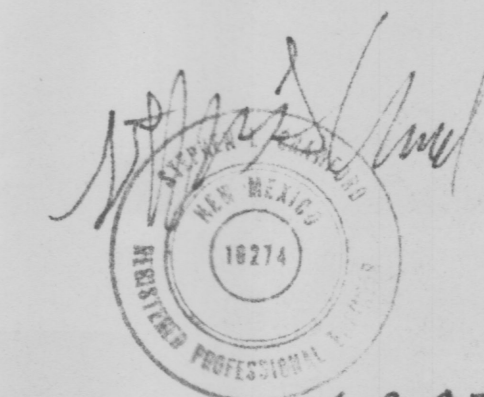
ALBUQUERQUE, NEW MEXICO

CSC JOB NO.: 91-04-600 DATE: 06-08-95

## GRADING AND DRAINAGE PLAN

DRAWING NO.:

GD 1



JUN 12 1995

HYDROLOGY DIVISION