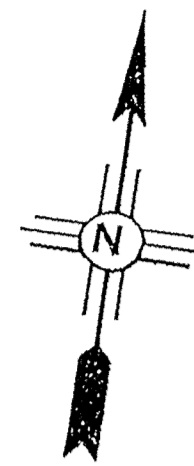


SCALE: 1" = 20'

FIFTH STREET

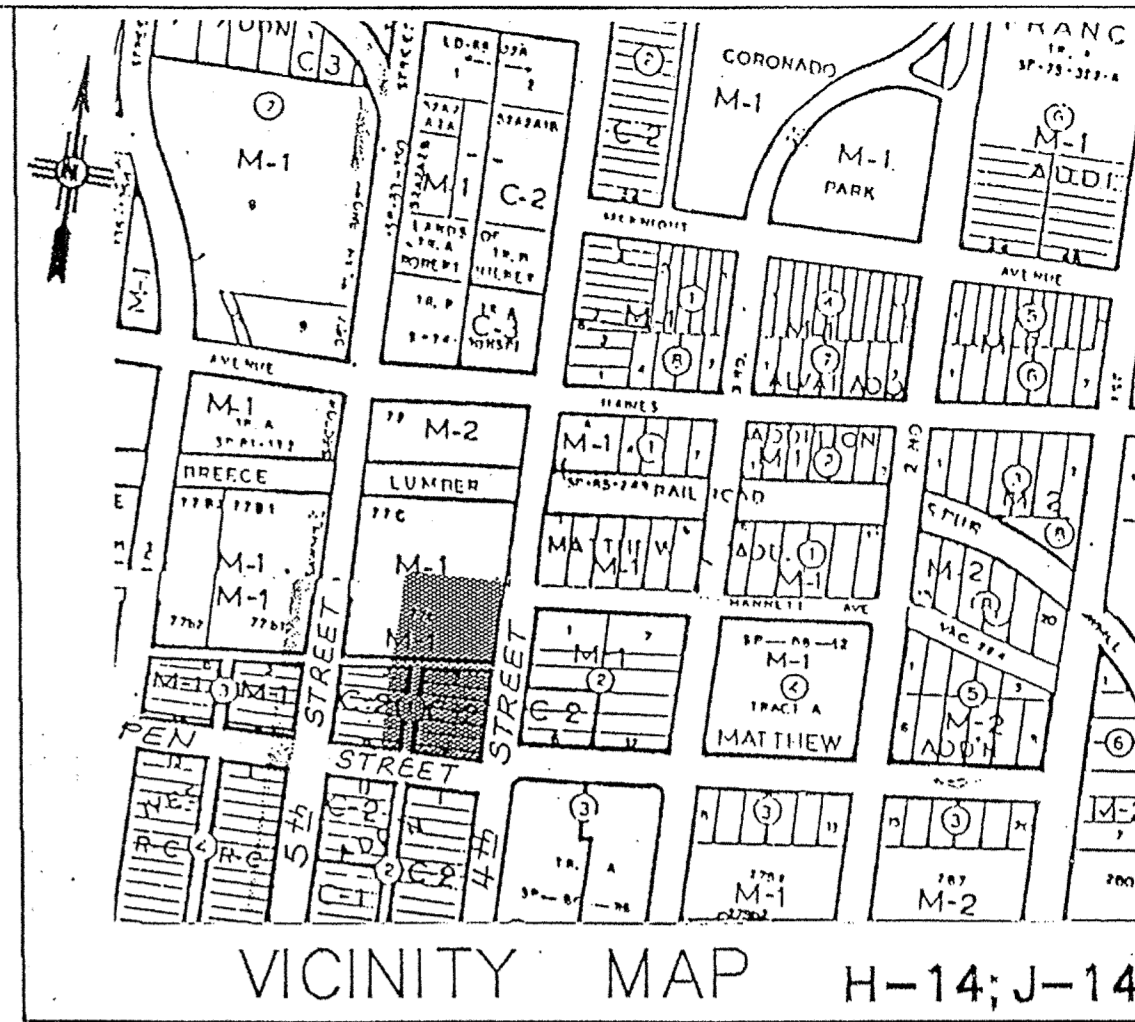


SCALE 1" = 20'



LEGEND

- X EXISTING ELEVATION
- NEW ELEVATION
- FLOW DIRECTION
- DRAINAGE AREA BOUNDARY



NOTES

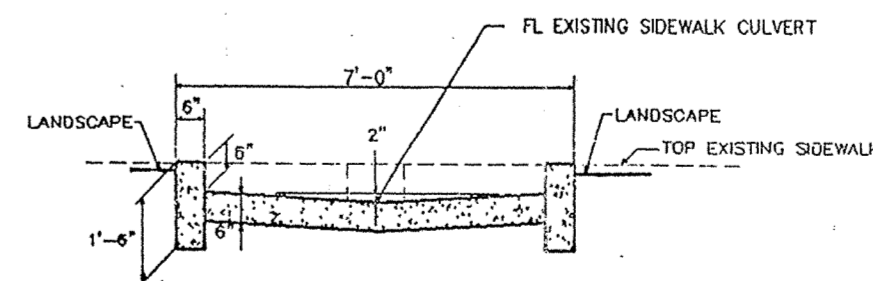
- Existing Conditions:
 - Previous underground storage tanks have been removed.
 - Building has been gutted in preparation for this renovation project.
 - A new driveway, 2 new catch basins and a 12" sidewalk culvert have recently been constructed on the street under Project Map-2351 (900).
- Existing Drainage:
 - Site drains to Aspen and/or 4th Street through existing driveways or over the sidewalks. A small portion of this site on the West side drains to 5th Street. Existing site is paved with various combinations of Asphalt and/or concrete pavement. There are no off-site flows through the site.
 - Areas draining toward 5th Street are shown for clarity. No topo survey was taken there since there will be no change to that site.
- Scope of Project:
 - Renovated existing Fueling Station Building.
 - Install new double wall underground steel storage tanks.
 - Resurface portions of existing parking lot. The paved areas in the vicinity of the new underground storage tanks and the new dispenser islands are being slightly elevated to improve drainage and reduce ponding.
- Conclusions:

Existing drainage patterns are being maintained as near to the existing condition as possible. Most of the surface runoff will leave the site through the driveways or the sidewalk culvert at the Northeast corner of the site. Excess flows will spill over the sidewalk as before. Site runoff will be moderately reduced by the construction of several new landscape areas (approximately 15% of project site.)

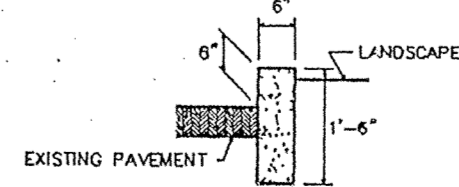
Drainage conditions along 4th Street have been greatly improved as a result of the storm drain system that was recently (1991) constructed as part of the street reconstruction.

UNDEVELOPED				DEVELOPED			
AREA	C	Q	VOLUME C.F.	AREA	C	Q	VOLUME C.F.
A	.95	0.22	662	A	.90	0.21	616
B	.94	0.58	1722	B	.85	0.52	1486
C	.95	0.31	916	C	.82	0.27	740
D	.95	0.68	1996	D	.89	0.63	1830
E	.93	1.08	3262	E	.84	0.98	2882
F	.95	0.37	1100	F	.95	0.37	1100

$Q = C \cdot I \cdot A$
 $VOLUME = \frac{1.7}{12} \cdot A \cdot I$



SECTION C



SECTION A

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: FOURTH STREET FUELING FACILITY DRAINAGE PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Choir					
Trans. Dev.					
Utility Dev.					
DRAWING NO.	4309.90	MAP NO.	H14,J14	SHEET	OF

CONTRACTOR		DATE		DATE		DATE		DATE	
BENCH MARK "2-H14" SQUARE CHISEL ON TOP OF CURB AT NORTH-NORTH-EAST CORNER RETURN AT THE INTERSECTION OF 4 TH STREET AND HAINES AVE. N.W. ELEV. 4960.29		DATE		DATE		DATE		DATE	
TEMPORARY BENCH MARK R.R. SPIKE IN P.P. AT WEST NORTH-WEST CORNER RETURN AT THE INTERSECTION OF 4 TH STREET AND ASPEN STREET N.W.		DATE		DATE		DATE		DATE	
ENGINEER'S SEAL		NO.		DATE		BY		REVISIONS	
PAUL C. ROYBAL		NO.		DATE		BY		REVISIONS	
DESIGNED BY: LEE BELL		DATE: FEB. 1992		DATE: FEB. 1992		DATE: FEB. 1992		DATE: FEB. 1992	
DRAWN BY: LEE BELL		DATE: FEB. 1992		DATE: FEB. 1992		DATE: FEB. 1992		DATE: FEB. 1992	
CHECKED BY: P. ROYBAL		DATE: FEB. 1992		DATE: FEB. 1992		DATE: FEB. 1992		DATE: FEB. 1992	