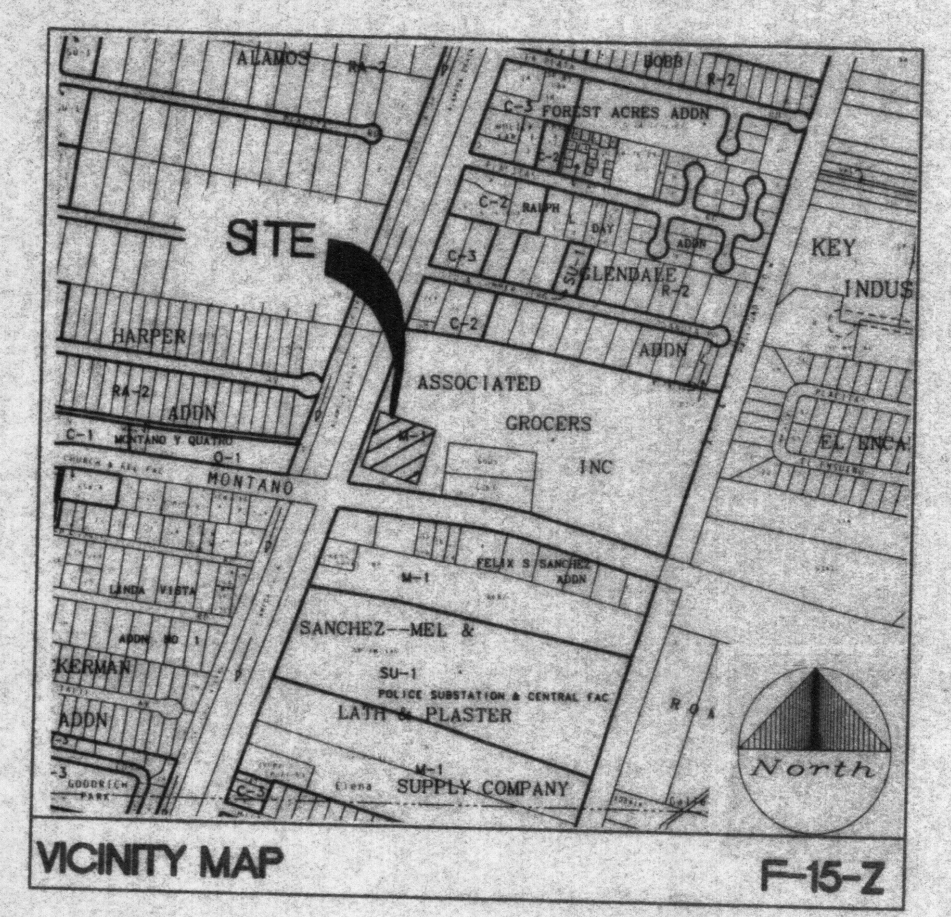
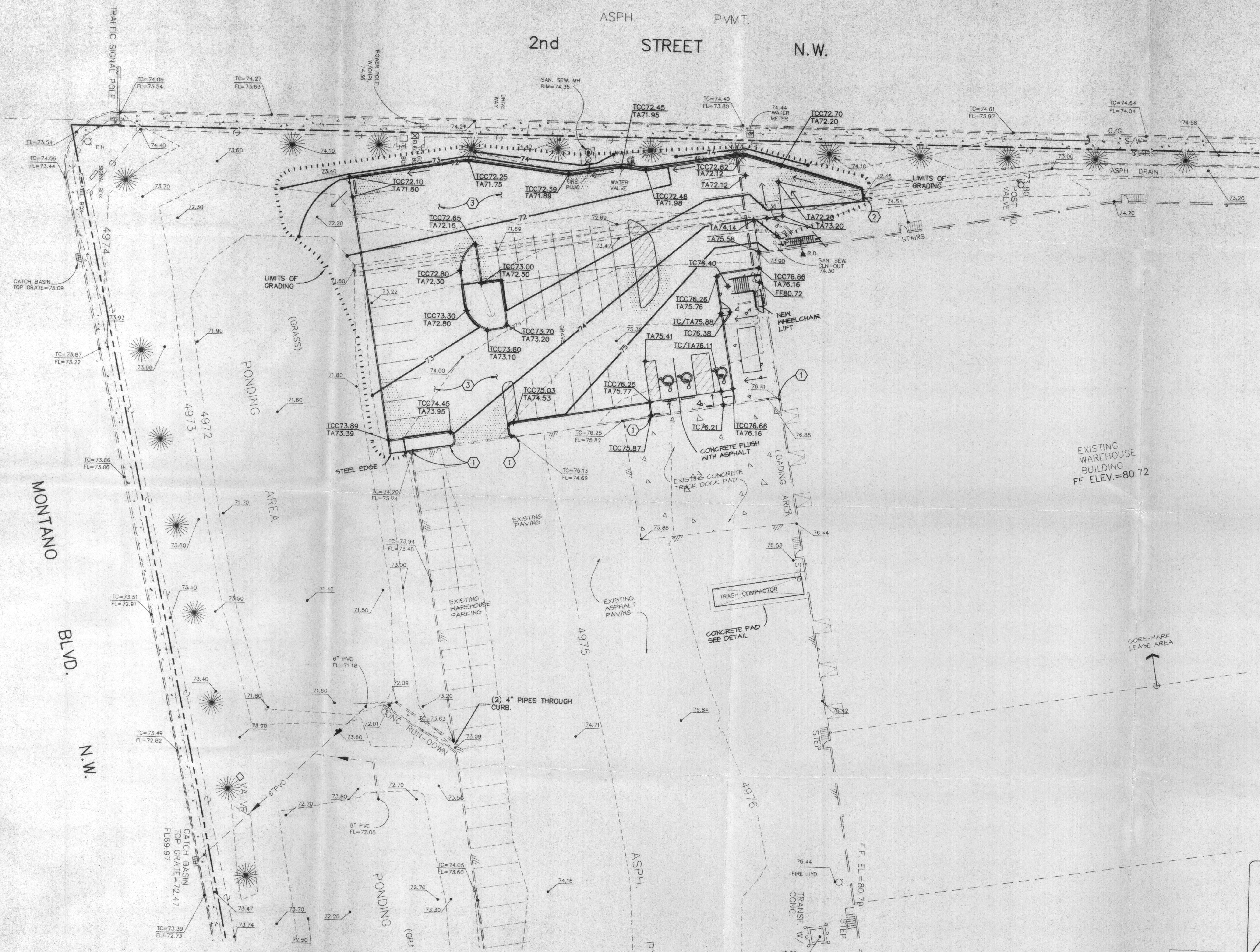




LEGAL DESCRIPTION
A PORTION OF ASSOCIATED GROCERS INC. TRAC.

BENCH MARK
STANDARD NMSHC BRASS TABLET, STAMPED "STANM47-8", SET IN TO POF A CONCRETE POST PROJECTION 0.1 FT. ABOVE GROUND.

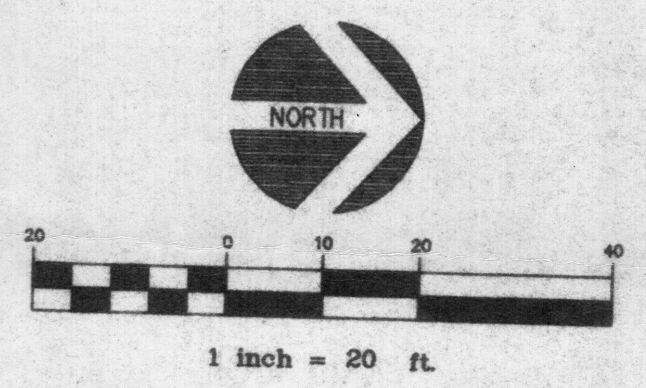
TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE., AND SECOND ST., 3.9 MILES TO MONTANO RD., AND THE STATION.

X=384,597.97 Y=1,505,845.86 Z=4974.569

TBM (TEMPORARY BENCHMARK)
THE FINISHED FLOOR OF EXISTING BUILDING
ELEVATION=4980.68 M.S.L.

SURVEY DATA
SURVEY PROVIDED BY MARK GOODWIN AND ASSOCIATES.
DATED 08/01/96. JOB#96111

- KEYED NOTES**
- 1 MATCH NEW SIDEWALK TO EXISTING TOP OF CURB.
 - 2 NEATLY REMOVE EXISTING ASPHALT CHANNEL. MATCH NEW ASPHALT TO EXISTING SECTION. BEGIN 40' TRANSITION FROM EXISTING CHANNEL SECTION TO FLAT PAVEMENT SECTION. BEGIN NEW CURB, WEST SIDE.
 - 3 INSTALL 3" ASPHALT CONCRETE PAVEMENT (1800#, TYPE II-B) ON 6" SUBGRADE COMPACTED AT 95% ASTM D-1557.



GRADING AND DRAINAGE PLAN
NORTH
1"=20'-0"

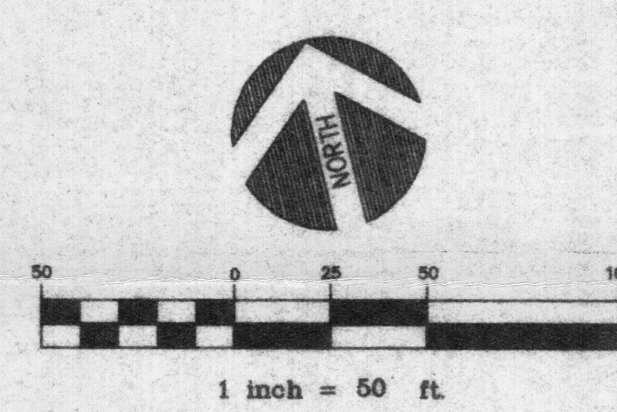
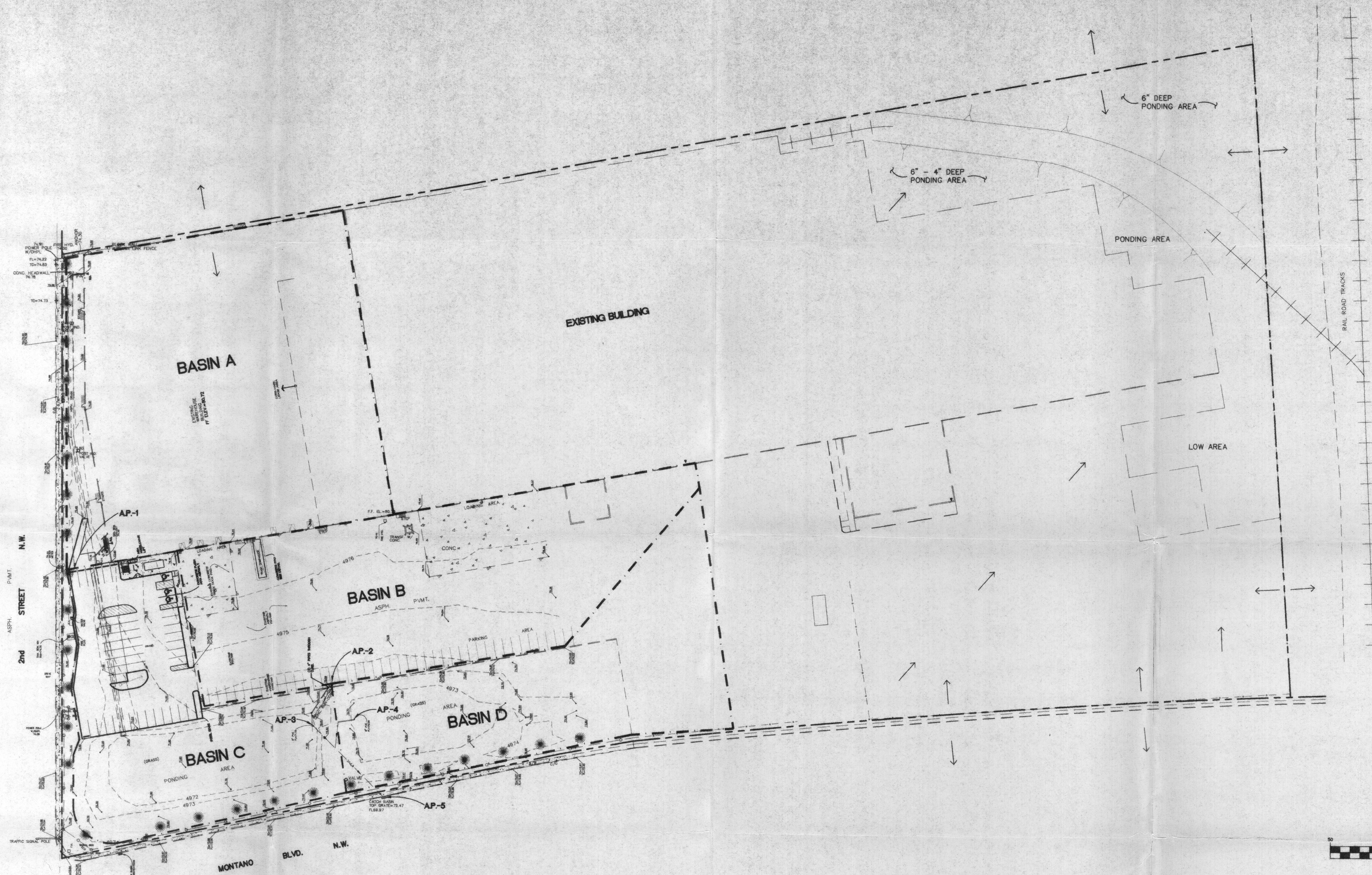
JOB TITLE		DATE
CORE-MARK FACILITY		10/10/96
SHEET TITLE		BY
GRADING AND DRAINAGE PLAN		JK/RFC
PROJECT MANAGER		FILE
ISAAC BENTON, AIA		C-1

JOE P. KELLEY
NEW MEXICO
9996
10/10/96

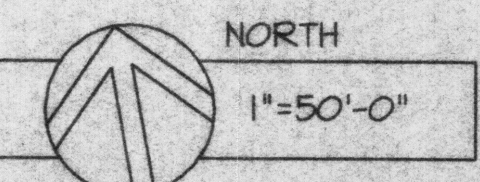
GAMELSKY BENTON ARCHITECTS P.C.
622 Tijeras Avenue NW
Albuquerque, NM 87102
TEL (505) 842-8885 FAX (505) 842-1693

SHEET OF **C-1**

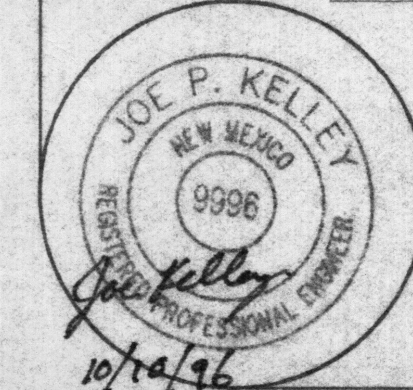
ENG/TECH. & MFC
REV. 10-10-96



DRAINAGE BASIN MAP

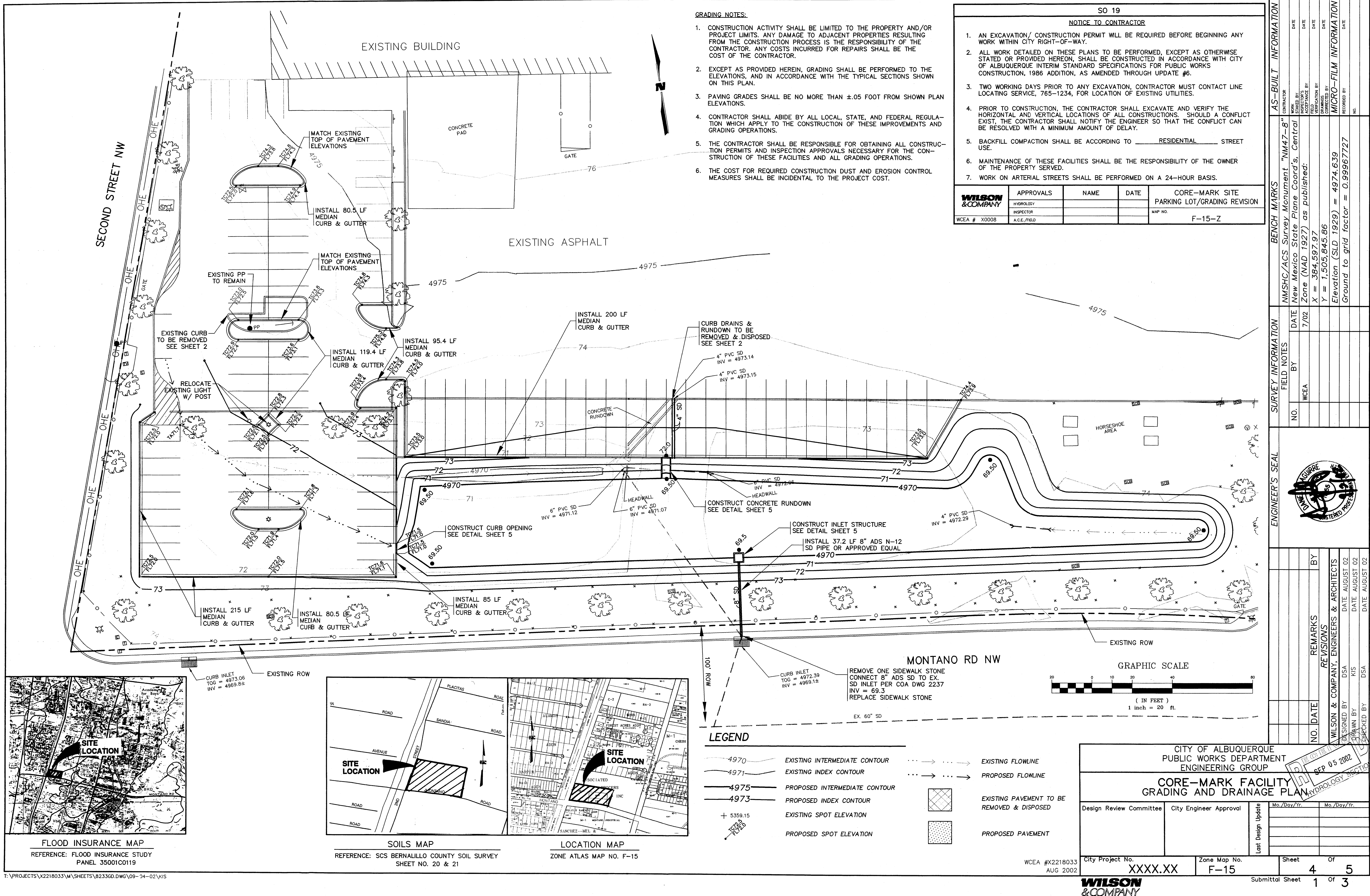


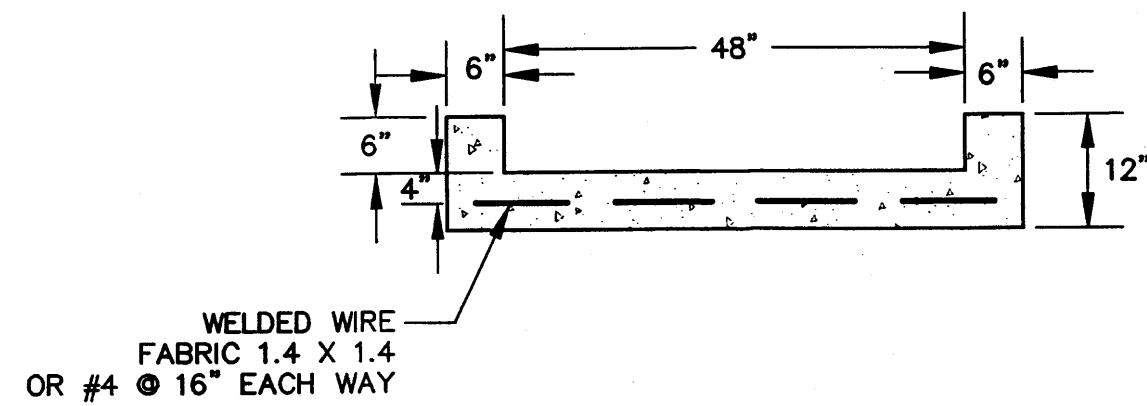
JOB TITLE	DATE
CORE-MARK FACILITY	10/10/96
SHEET TITLE	BY
DRAINAGE BASIN MAP	JK/RFC
PROJECT MANAGER	FILE
ISAAC BENTON, AIA	C-2



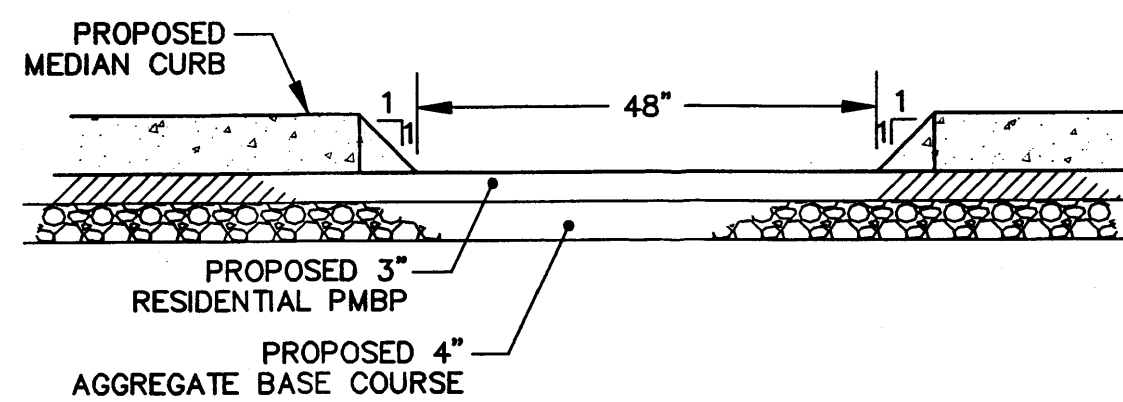
GAMELSKY BENTON ARCHITECTS P.C.
 622 Tijeras Avenue NW
 Albuquerque, NM 87102
 TEL (505) 842-8865 FAX (505) 842-1893
 SHEET OF OCT 11 1996 C-2
 HYDROLOGY DIVISION

JOB NO. 021-109-0098
 ENG. TECH. JK/RFC
 REV. 10-10-96

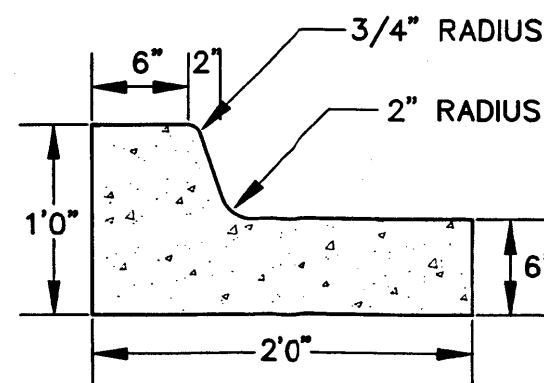




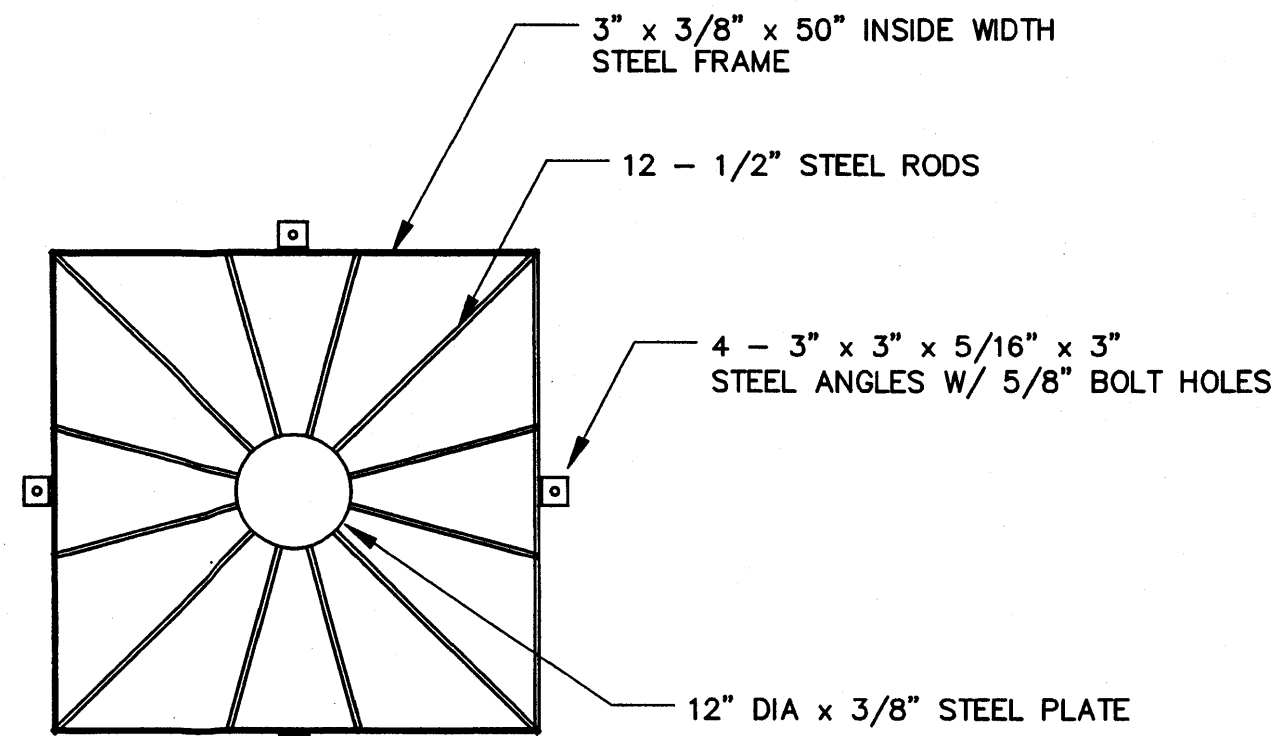
SECTION 'A-A'
CONCRETE RUNDOWN DETAIL
NTS



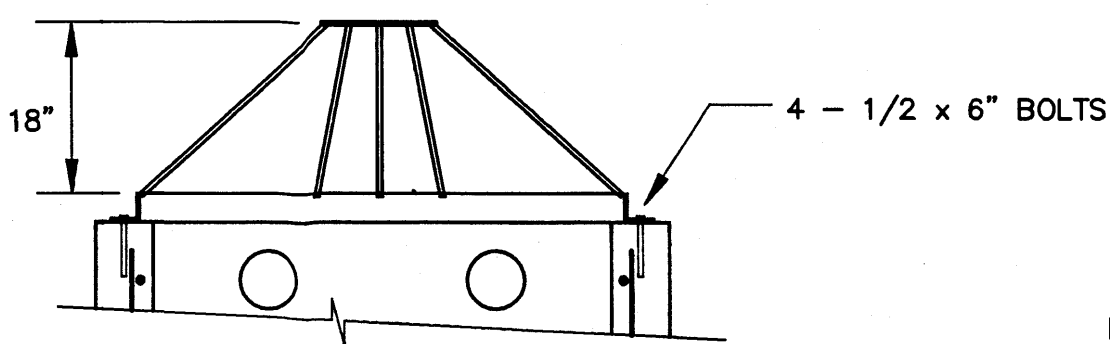
CURB OPENING DETAIL
NTS



MEDIAN CURB DETAIL
NTS



PLAN



ELEVATION

TRASH RACK DETAIL
NTS

NOTE:
TRASH RACK COMPONENTS SHALL BE JOINED WITH CONTINUOUS FILLET WELDS. GRIND OFF ALL BURRS AND SHARP EDGES. THE FINISHED ASSEMBLY SHALL BE SHOP PRIMED AND PAINTED WITH TWO COATS OF ALUMINUM PAINT (AASHTO M-69).

Drainage Report

Site Description

This site is located in Albuquerque's north valley at the northeast corner of Second Street and Montana. It is a portion of a larger fully developed site bounded by City of Albuquerque streets.

Legal Description

Tract A Summary Plat of Tract A of Land Of Associated Grocers Inc

Flood Hazard Zones

The site not located in a flood zone as shown by Panel 35001C0119 of the National Flood Insurance Rate Maps for the City of Albuquerque, Dated September 20, 1996.

Existing Conditions

The site is located in Basins C and D of the site as shown in the "Grading and Drainage Plan for Core-Mark Addition to the Associated Grocers Site" by Chavez - Grieves Consulting Engineers, Inc., dated October 1996. The site is a current drainage ponding area.

Proposed Conditions

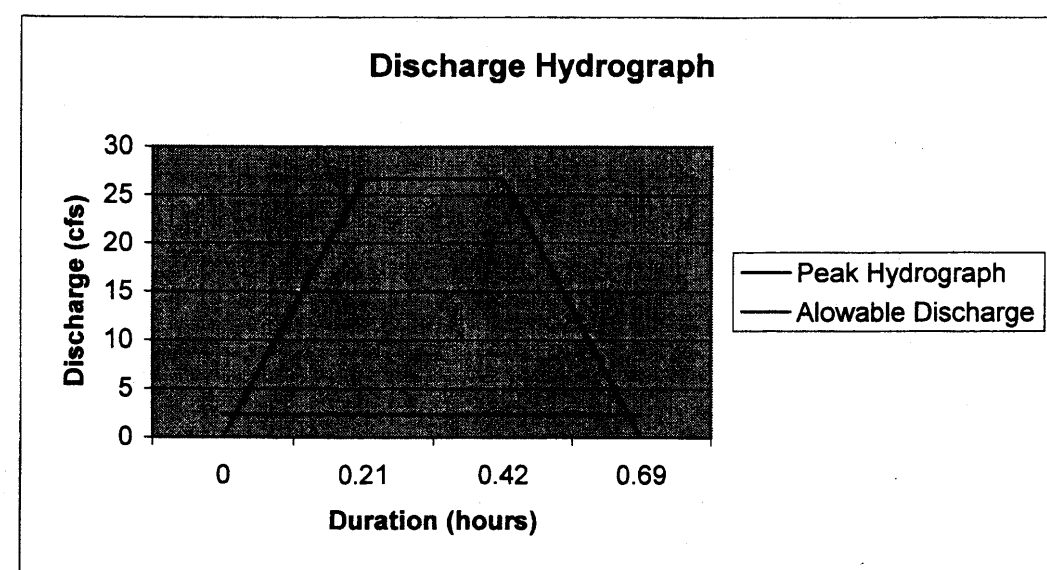
With previous improvements to the storm drain system in Montana Road, allowable discharge from the site can increase from the historical .6 cfs to a revised 2 cfs with no impacts to the system. This increase allows a reduction in the ponding area. Core-Mark proposes to utilize the increased developable property for additional parking per the proposed plan. The proposed plan increases the Type D landuse in Basins C and D by .453 acres.

Existing Flow Calculations

Basin	Area acres	Land Treatment				Q100 cfs	V100 ac-ft
		A	B	C	D		
A	2.28	0.00	0.00	0.10	0.90	10.4	0.44
B	1.72	0.00	0.00	0.00	1.00	8.1	0.36
C	1.13	0.00	0.60	0.00	0.40	3.7	0.18
D	1.18	0.00	0.66	0.00	0.34	3.7	0.18
Total Existing On-Site =						25.8	1.17

Proposed Flow Calculations

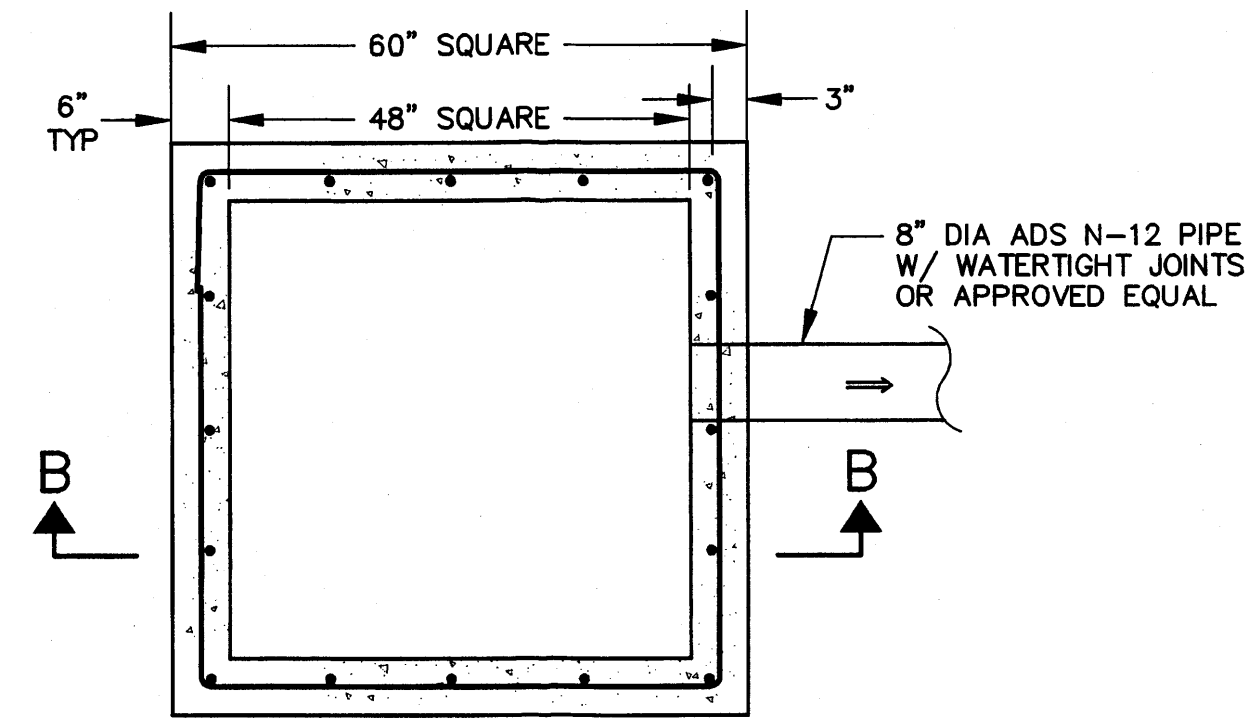
Basin	Area acres	Land Treatment				Q100 cfs	V100 ac-ft
		A	B	C	D		
A	2.28	0.00	0.00	0.10	0.90	10.4	0.44
B	1.72	0.00	0.00	0.00	1.00	8.1	0.36
C	1.13	0.00	0.34	0.00	0.66	4.4	0.22
D	1.18	0.00	0.58	0.00	0.42	3.9	0.19
Total Proposed On-Site=						26.7	1.22



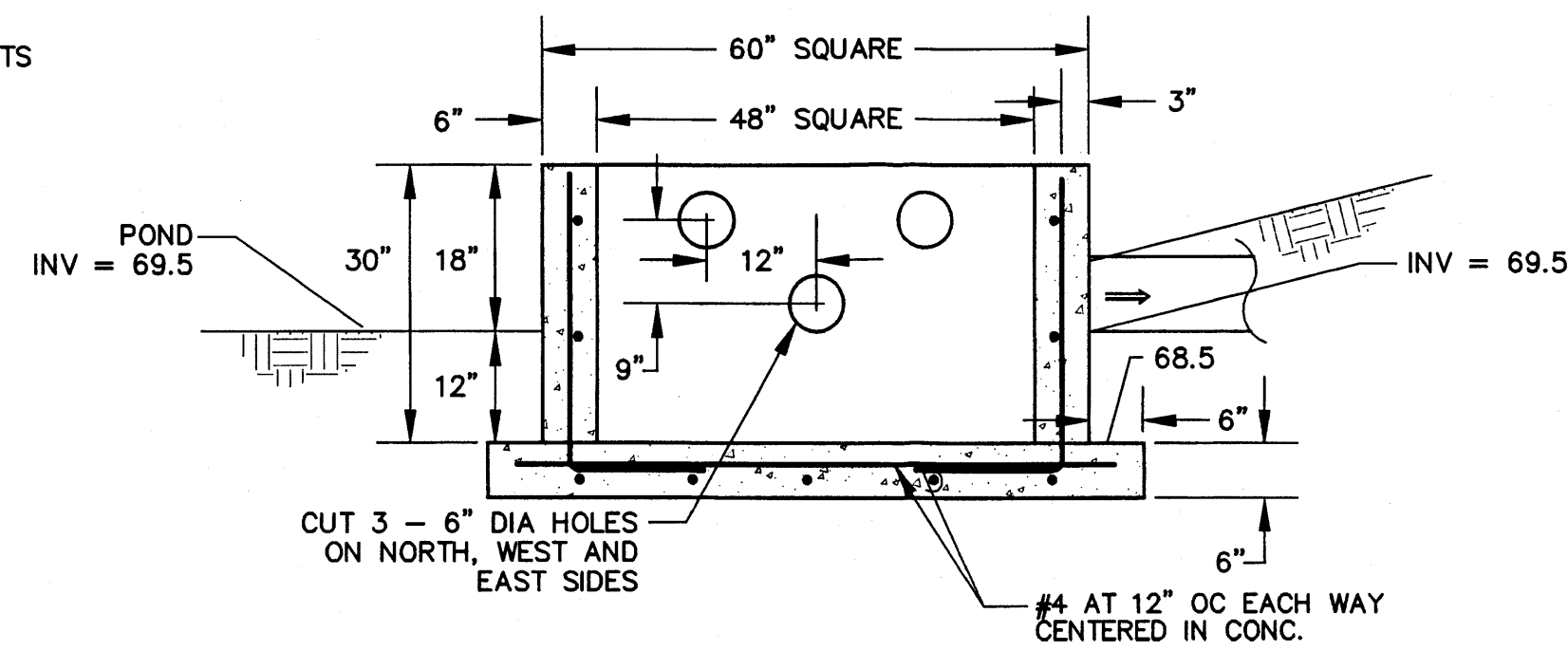
E = 1.9 Inches T_B = .69 hours t_p = .21 hours P_d = .21 hours

Conclusion

The proposed site improvements are designed to accommodate an attenuated discharge of 2 cfs. A new discharge structure will be designed as part of the new pond improvements. The required pond area of 37,000 cubic feet or .85 acre-ft will be provided by the new improvements. The pond as shown on the proposed Grading and Drainage Plan has a volume of .97 ac-ft at a water surface elevation of 72.0. The proposed water surface elevation is approximately 71.75. Some water would pond in the parking area during a 100 year event with a maximum water depth of 9 inches on the paved surface. Using the orifice equation with a maximum water surface elevation of 71.75 an allowable 2 cfs discharge would require a 7.34 inch diameter opening. We propose an 8 inch opening allowing a maximum of 2.38 cfs discharge to be released. No other improvements are required to accommodate the new site development.



PLAN



SECTION 'B-B'
ELEVATION

POND INLET STRUCTURE DETAIL
NTS

AS-BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR	DATE
ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWINGS BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
NM47-8"	DATE
New Mexico State Plane Coord's, Central	DATE
Zone (NAD 1927) as published:	DATE
X = 394,597.97	DATE
Y = 1,505,845.86	DATE
Elevation (SLD 1929) = 4974.639	DATE
Ground to grid factor = 0.99967727	DATE

SURVEY INFORMATION	
DATE	BY
7/02	WCEA
NO.	

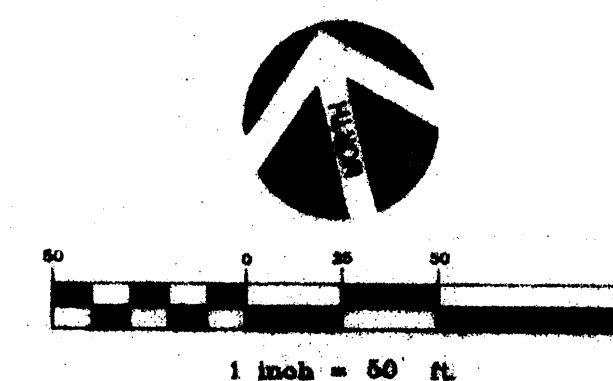
ENGINEER'S SEAL	
DATE	BY
7/02	WCEA
NO.	

REVISIONS	
NO.	DATE
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2	7/02
3	7/02
4	7/02
5	7/02
6	7/02
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99	7/02
100	7/02

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
CORE-MARK FACILITY DRAINAGE DETAILS	
Design Review Committee	City Engineer Approval
City Project No. XXXX.XX	Zone Map No. F-15
Sheet 5	Of 5
Submittal Sheet 2	Of 3

WCEA #X2218033
AUG 2002

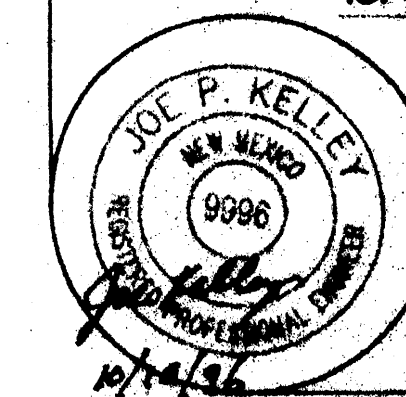
WILSON
& COMPANY



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SEP 05 2002
HYDROLOGY SECTION

From CHAVES - GRIEVES REPORT

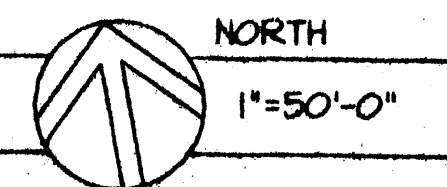
JOB TITLE	DATE
CORE-MARK FACILITY	10/10/96
SHEET TITLE	BY
DRAINAGE BASIN MAP	JK/RFC
PROJECT MANAGER	FILE
ISAAC BENTON, AIA	C-2



GAMELSKY BENTON ARCHITECTS P.C.
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Albuquerque, NM 87102
TEL (505) 842-1665 FAX (505) 842-1693

SHEET OF 3
OCT 11 1996
C-2

DRAINAGE BASIN MAP



ALL CORRECTIONS
ENG. TECH. JK/RFC
REV. 10-10-96

Submitted: 10/10/96
3 of 3