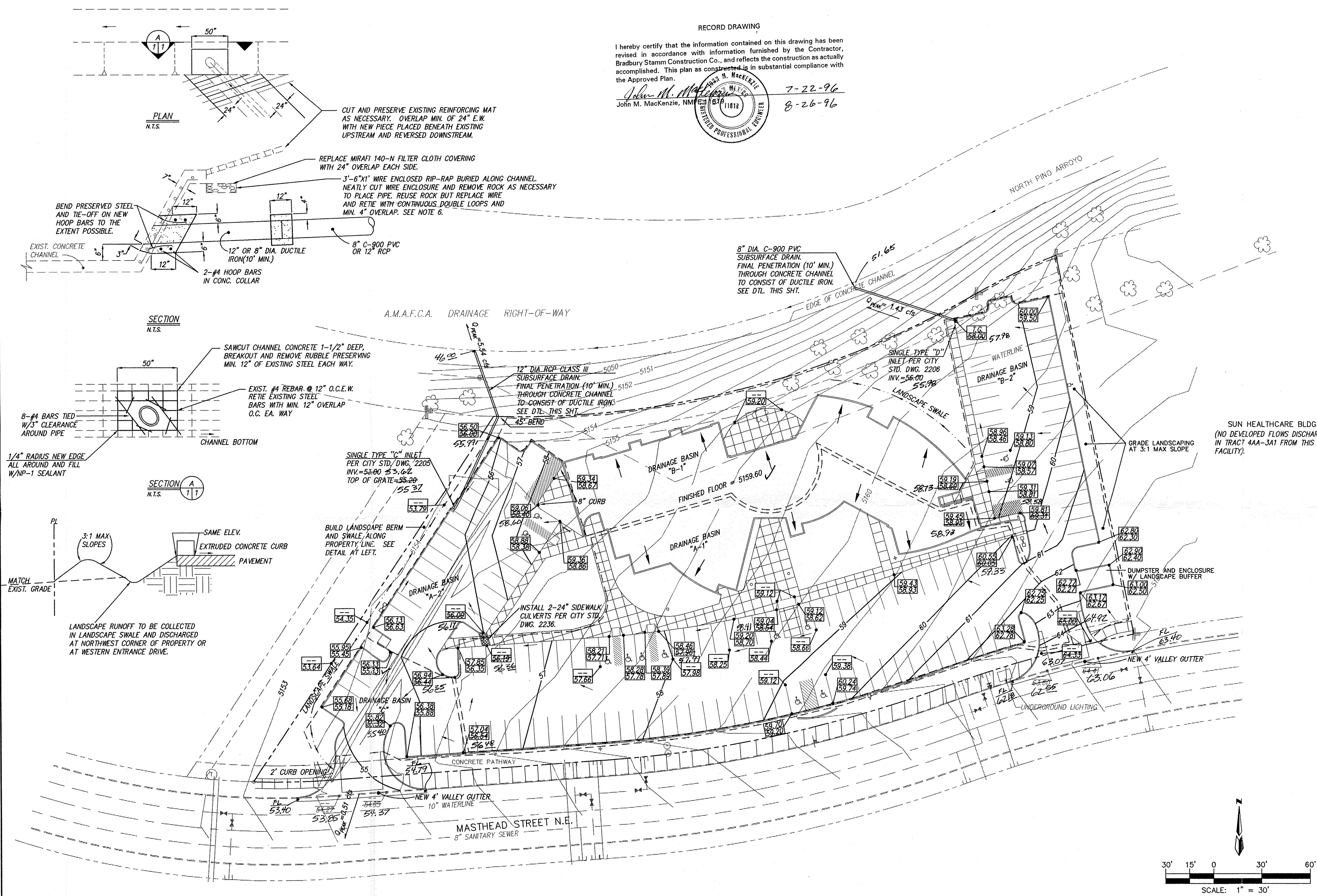
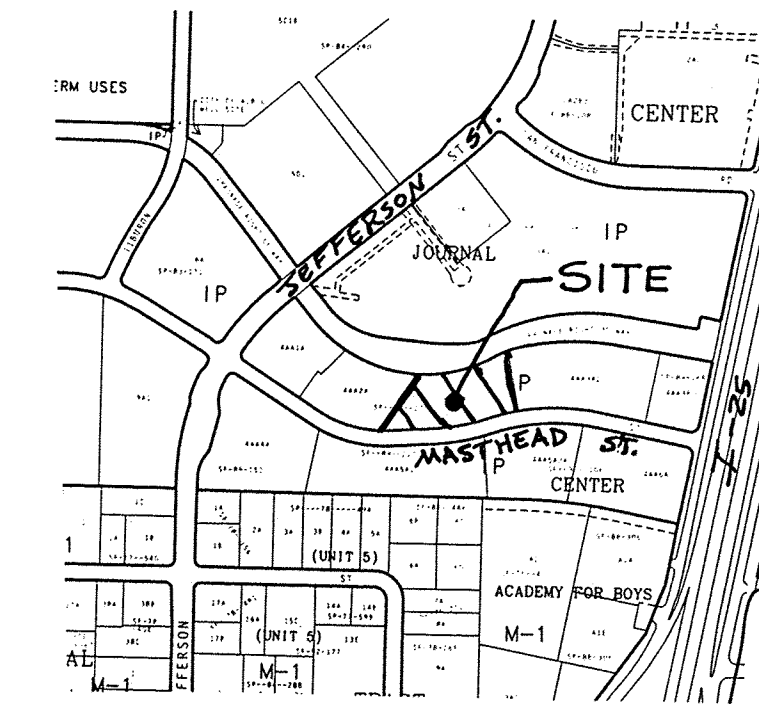




RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the Contractor, Bradbury Stamm Construction Co., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

John M. MacKenzie, N.M.P.E. 11613
7-22-96
8-26-96



VICINITY MAP ZONE MAP: D-17-Z

TBM (TEMPORARY BENCHMARK)

RIM OF SANITARY SEWER MANHOLE IN STREET OFF SOUTHWEST PROPERTY CORNER, ELEVATION = 5154.02 MSL.

ACS BENCHMARK

CONTROL MONUMENT "1-25-14"
X = 399,828.26
Y = 1,514,860.92
Δ = -00°11'35"
ELEV. = 5196.73

LEGAL DESCRIPTION

WESTERLY PORTION OF TRACT 4AA-3A, JOURNAL CENTER.

NOTES

- THIS SITE DOES NOT PRESENTLY LIE WITHIN A FLOOD ZONE ACCORDING TO FIRM PANEL 350002 0009 C.
- TOPOGRAPHIC SURVEY PROVIDED BY BOHANNAN - HOUSTON INC.
- PRELIMINARY SITE RECONNAISSANCE PERFORMED BY JOHN M. MACKENZIE, P.E. ON JUNE 28, 1993.
- CONTRACTOR SHALL NOTIFY AMAFCA 48 HOURS PRIOR TO PERFORMING ANY WORK WITHIN THE NORTH PINO ARROYO R/W. AMAFCA SHALL BE NOTIFIED 48 HOURS PRIOR TO PLACEMENT OF ANY CONCRETE TO INSPECT REINFORCING STEEL. (884-2215).
- LOCATIONS OF EXISTING UTILITIES ON THIS PLAN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXACT UTILITY POSITIONS AND REPORTING ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER.
- AMAFCA TO ALSO INSPECT WIRE TIED RIP-RAP RECONSTRUCTION PRIOR TO BACKFILLING.

LEGEND

- DRAINAGE BASIN BOUNDARY
- EXISTING CURB & GUTTER
- NEW CURB & GUTTER
- 5165--- EXISTING CONTOUR
- 60--- NEW CONTOUR
- TP --- EXISTING SPOT ELEVATION
- FL 64.49 --- NEW SPOT ELEVATION
- FLOW DIRECTION
- ROOF DRAIN

DRAINAGE CALCULATIONS

EXISTING CONDITIONS
AREA = 2.28 Ac
P(100-6) = 2.36 in.
D1 = 0.0333
Tp = 0.1333
LAND TREATMENT
C = 100%
Q(100-6) = 7.36 cfs
VOL.(100-6) = 9670 cu.ft.

DRAINAGE BASIN "A-1"
AREA = 0.91 Ac
LAND TREATMENT
B = 10% D = 90%
Q(100-6) = 4.14 cfs
VOL.(100-6) = 6578 cu.ft.

DRAINAGE BASIN "A-2"
AREA = 0.31 Ac
LAND TREATMENT
B = 20% D = 80%
Q(100-6) = 1.39 cfs
VOL.(100-6) = 2161 cu.ft.

DRAINAGE BASIN "B-1"
AREA = 0.61 Ac
LAND TREATMENT
D1 = 0.0333
Tp = 0.1333
LAND TREATMENT
B = 30.0% D = 70.0%
Q(100-6) = 5.54 cfs
VOL.(100-6) = 8738 cu.ft.

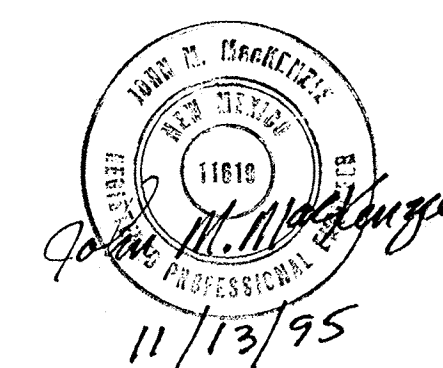
DRAINAGE BASIN "B-2"
AREA = 0.31 Ac
LAND TREATMENT
D1 = 0.0333
Tp = 0.1333
LAND TREATMENT
B = 15.0% D = 85.0%
Q(100-6) = 1.43 cfs
VOL.(100-6) = 2239 cu.ft.

DRAINAGE BASIN "C"
AREA = 0.15 Ac
LAND TREATMENT
D1 = 0.0333
Tp = 0.1333
LAND TREATMENT
B = 39% D = 61%
Q(100-6) = 0.51 cfs
VOL.(100-6) = 749 cu.ft.

A.M.A.F.C.A.

John M. MacKenzie
APPROVED FOR BUILDING PERMIT

21 Nov 95
DATE



BAR 3051GD30\11-13-95

BAR ASSOCIATION BUILDING
GRADING & DRAINAGE PLAN

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

Designed: JMM Drawn: MCG Checked: DMG Sheet 1 of 1
Scale: 1" = 30' Date: 6/93 Job: 9351