HYDROLOGY

L22/D14
THREE PLANS

L22-D14

3 PLANS

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

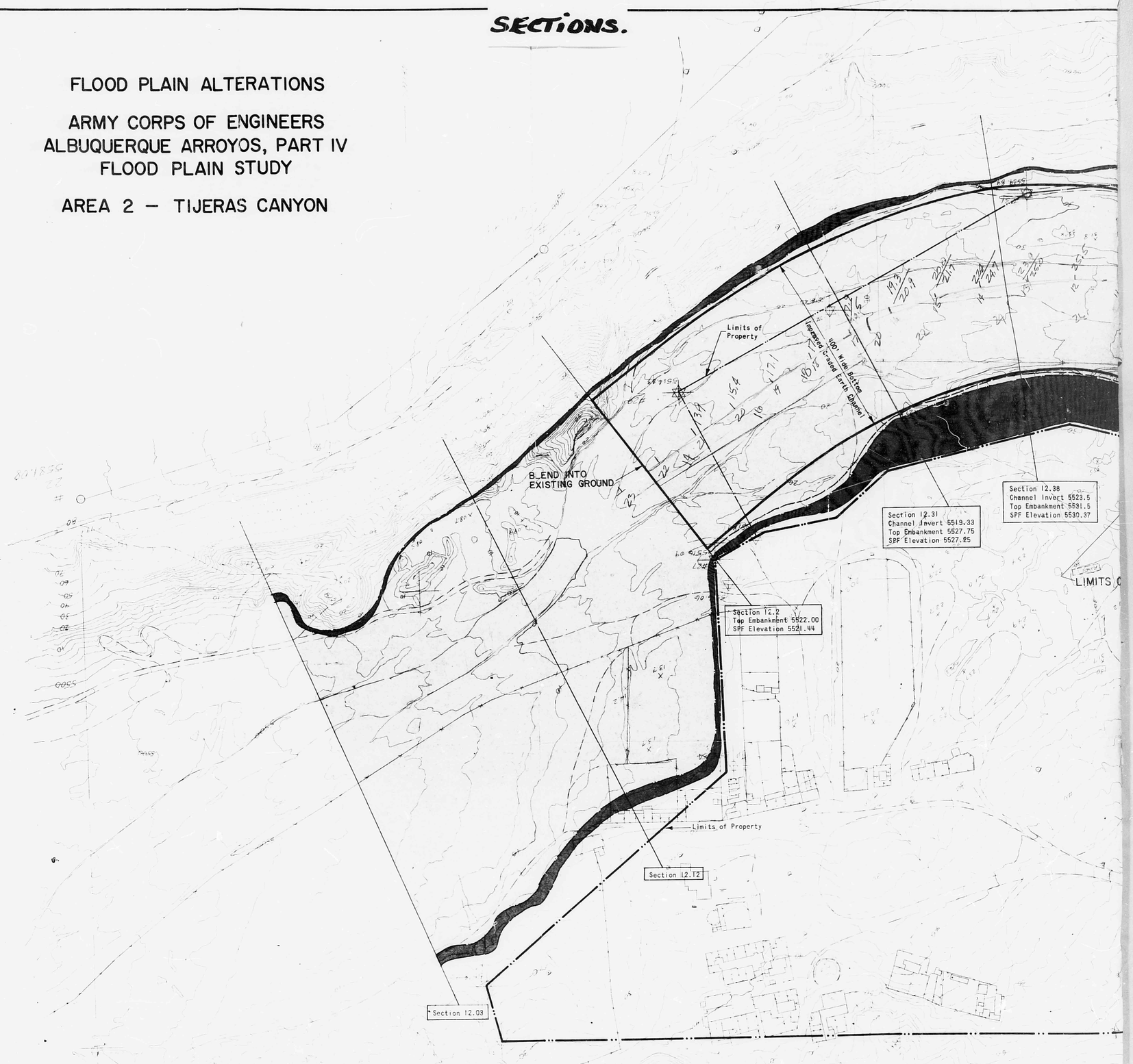
PLAN SHOT IN TWO SECTIONS.

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

FLOOD PLAIN ALTERATIONS

ARMY CORPS OF ENGINEERS
ALBUQUERQUE ARROYOS, PART IV
FLOOD PLAIN STUDY

AREA 2 – TIJERAS CANYON



LEGEND:

- 10-YEAR FLOOD
- INTERMEDIATE FLOOD
- STANDARD PROJECT FLOOD
- LIMIT OF IMPROVEMENTS

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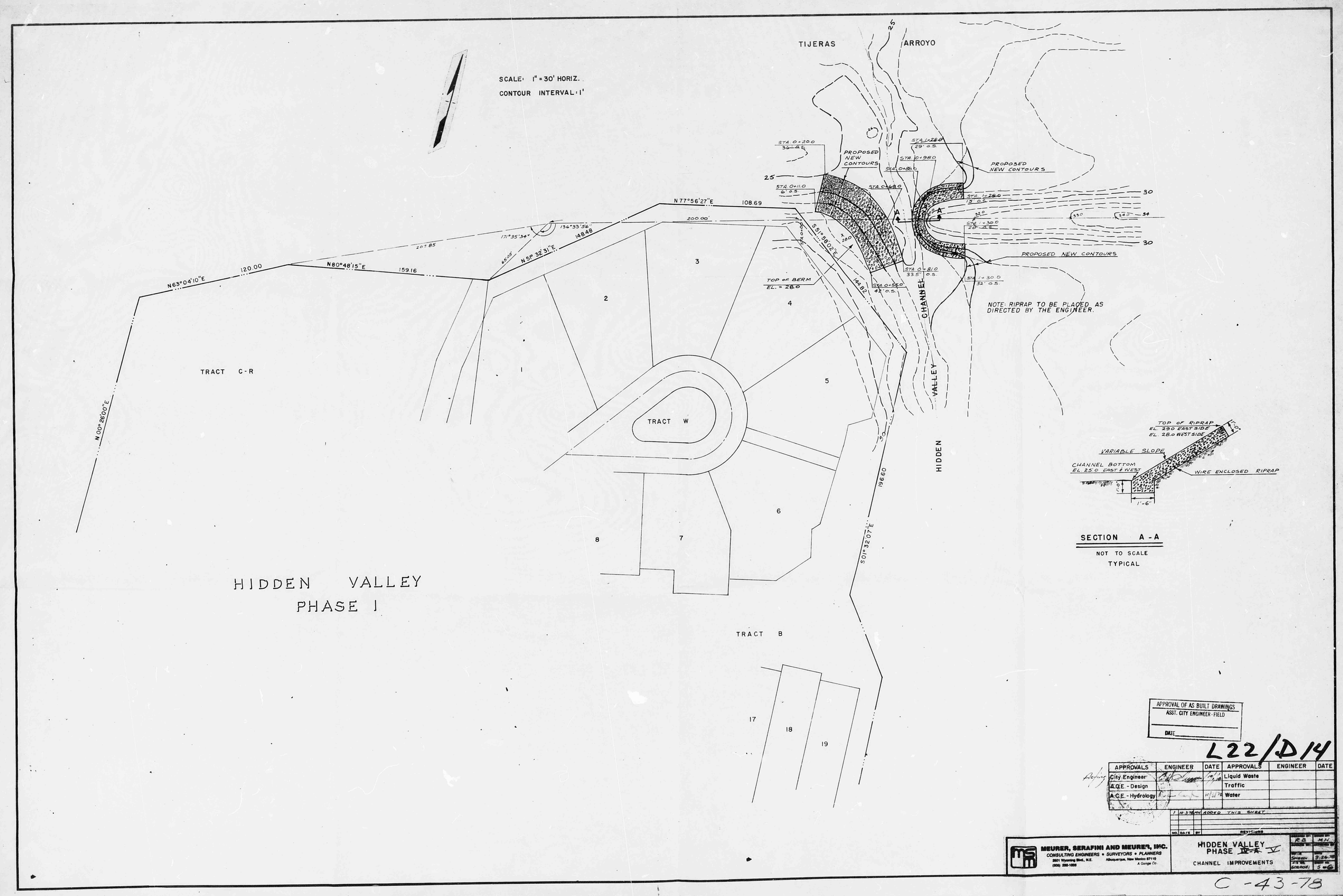
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

PLATE I

L22/D14

MASTER PLAN OF DRAINAGE
HIDDEN VALLEY
Western Development Company
WDC
McINTIRE & QUIROS SOUTHWEST
OF 9
7-22/DIA
Section 12.62
Section 12.54
LIMITS OF INTERMEDIATE FLOOD
LIMITS OF STANDARD PROJECT FLOOD
20' SANITARY SEWER EASEMENT
AREA "C" 21 C.F.S
ACCESS RIGHT-OF-WAY
AREA "A" 94 C.F.S.
EDGE OF POWERLINE EASEMENT
CHANNEL DETAIL "A"
CHANNEL DETAIL "B"
AREA "D" 120 C.F.S.
400' Wide Bottom Improved Graded Earth Channel
AREA "B" 58 C.F.S
20' WATERLINE EASEMENT
Section 12.03
0.35 Water Depth
40'
DETAIL "A"
V = 6.4 Ft/Sec
Side Slope 3:1
1.5 Water Depth
10'
DETAIL "B"
V = 5.1 Ft/Sec
Side Slope 3:1


SCALE: 1" = 30' HORIZ.
CONTOUR INTERVAL: 1'
TIJERAS ARROYO
PROPOSED NEW CONTOURS
STA. 0+20.0 36' O.S.
STA. 0+11.0 6' O.S.
STA. 0+80.0
STA. 0+86.0
STA. 1+98.0
STA. 1+28.0 29' O.S.
STA. 1+28.0 13' O.S.
STA. 1+30.0 20' O.S.
STA. 0+81.0 33.5' O.S.
STA. 0+56.0 42' O.S.
STA. 1+30.0 32' O.S.
N 77°56'27"E 108.69
200.00'
S 51°58'02"E
TOP OF BERM EL. = 28.0
148.92
CHANNEL
VALLEY
HIDDEN
NOTE: RIPRAP TO BE PLACED AS DIRECTED BY THE ENGINEER.
N 63°04'10"E 120.00
N 80°48'15"E 159.16
207.85
136°33'36"
171°35'34"
N 5°32'31"E 148.48
N 00°26'00"E
TRACT C-R
TRACT W
TRACT B
196.60
S 01°32'07"E
HIDDEN VALLEY
PHASE I
TOP OF RIPRAP
EL. 29.0 EAST SIDE
EL. 28.0 WEST SIDE
VARIABLE SLOPE
CHANNEL BOTTOM
EL. 25.0 EAST & WEST
WIRE ENCLOSED RIPRAP
1'-6"
SECTION A-A
NOT TO SCALE
TYPICAL
APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE
L22/D14
APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE
City Engineer | | | Liquid Waste
A.C.E. - Design | | | Traffic
A.C.E. - Hydrology | | 10/31/78 | Water
1 10-3-78 MH ADDED THIS SHEET
NO. DATE BY REVISIONS
MEURER, SERAFINI AND MEURER, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2501 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
(505) 293-1035 A Gange Co.
HIDDEN VALLEY PHASE ~~II-A~~ V
CHANNEL IMPROVEMENTS
DESIGNED BY RB
DRAWN BY MH
CHECKED BY
CHECKED BY
DATE SHOWN 9-26-78
SCALE NONE
SHEET NO. 5 of 6
C-43-78