HYDROLOGY M23/D6 7 PLANS
1 of 2

C B A

M23/D6

7 Plans

C B A

20 16 12

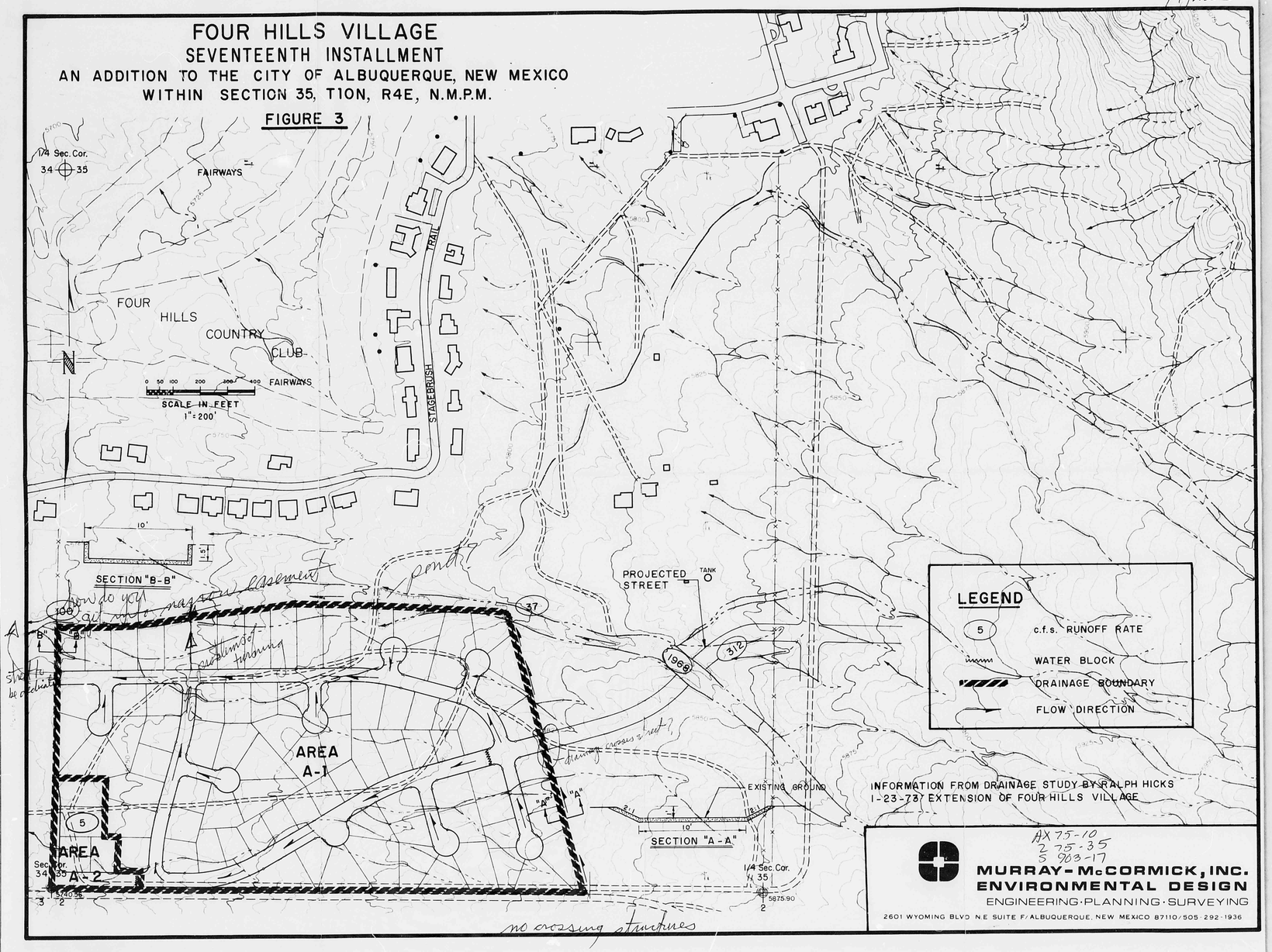
CITY OF ALBUQUERQUE

C

Figure 3

FOUR HILLS VILLAGE
SEVENTEENTH INSTALLMENT
AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO
WITHIN SECTION 35, T10N, R4E, N.M.P.M.

FIGURE 3



AX 75-10
Z 75-35
S 903-17

MURRAY-McCORMICK, INC.
ENVIRONMENTAL DESIGN
ENGINEERING·PLANNING·SURVEYING
2601 WYOMING BLVD N.E. SUITE F/ALBUQUERQUE, NEW MEXICO 87110/505·292·1936

CITY OF ALBUQUERQUE
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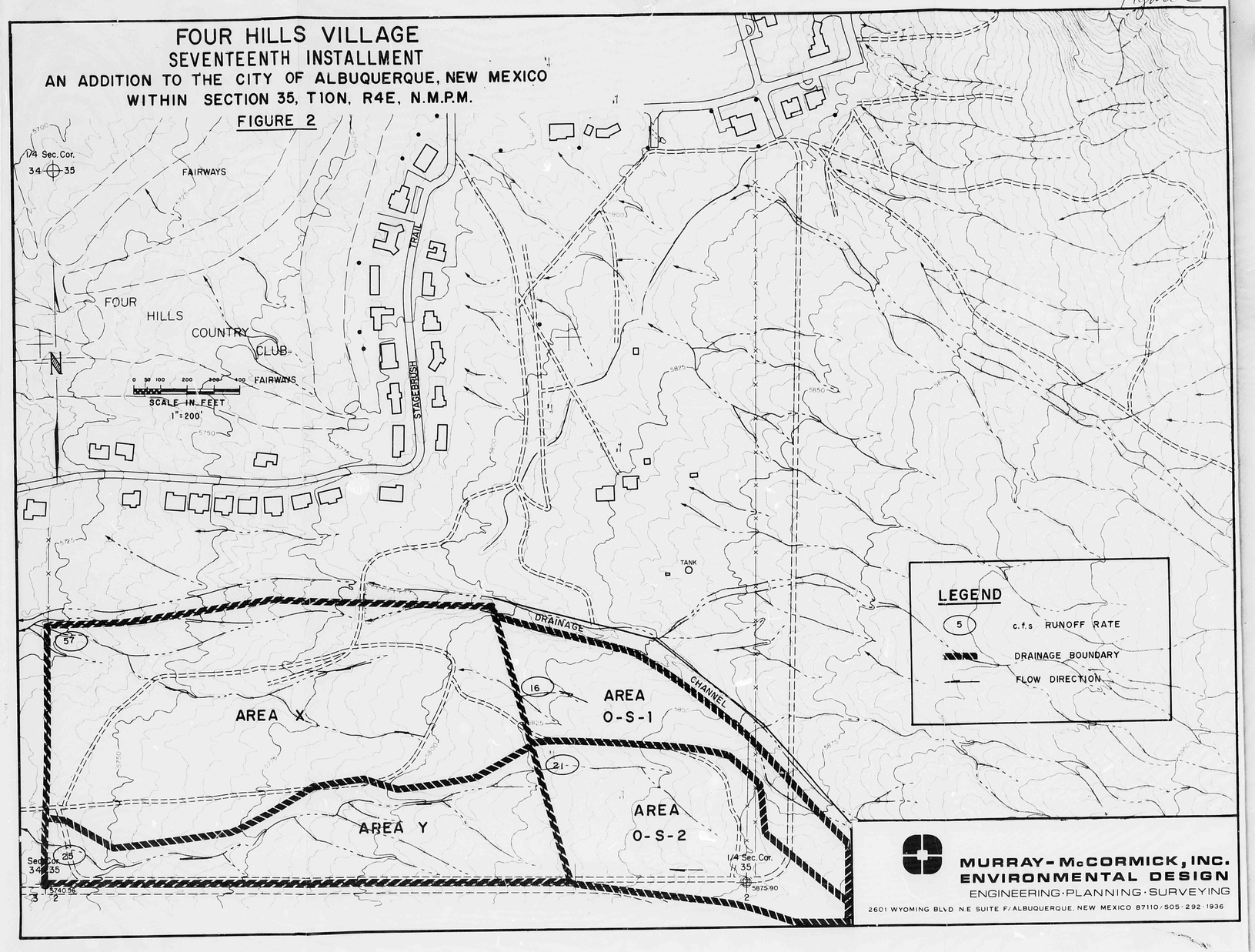
Figure 2

FOUR HILLS VILLAGE
SEVENTEENTH INSTALLMENT
AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO
WITHIN SECTION 35, T10N, R4E, N.M.P.M.

FIGURE 2



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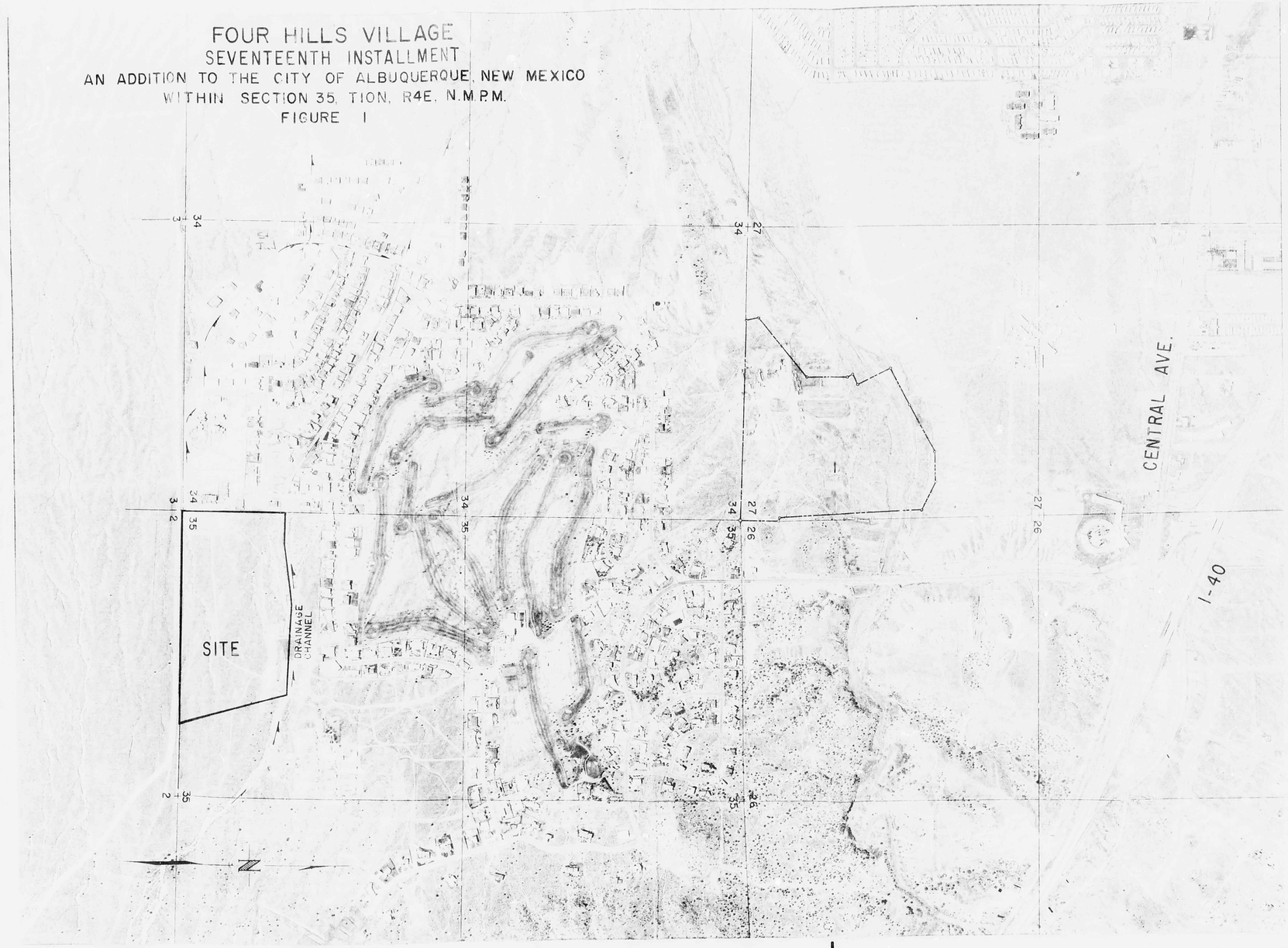
C B A
C 20 B 16 A 12
CITY OF ALBUQUERQUE C

C

B

A

FOUR HILLS VILLAGE
SEVENTEENTH INSTALLMENT
AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO
WITHIN SECTION 35, T10N, R4E, N.M.P.M.
FIGURE 1



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CITY OF ALBUQUERQUE

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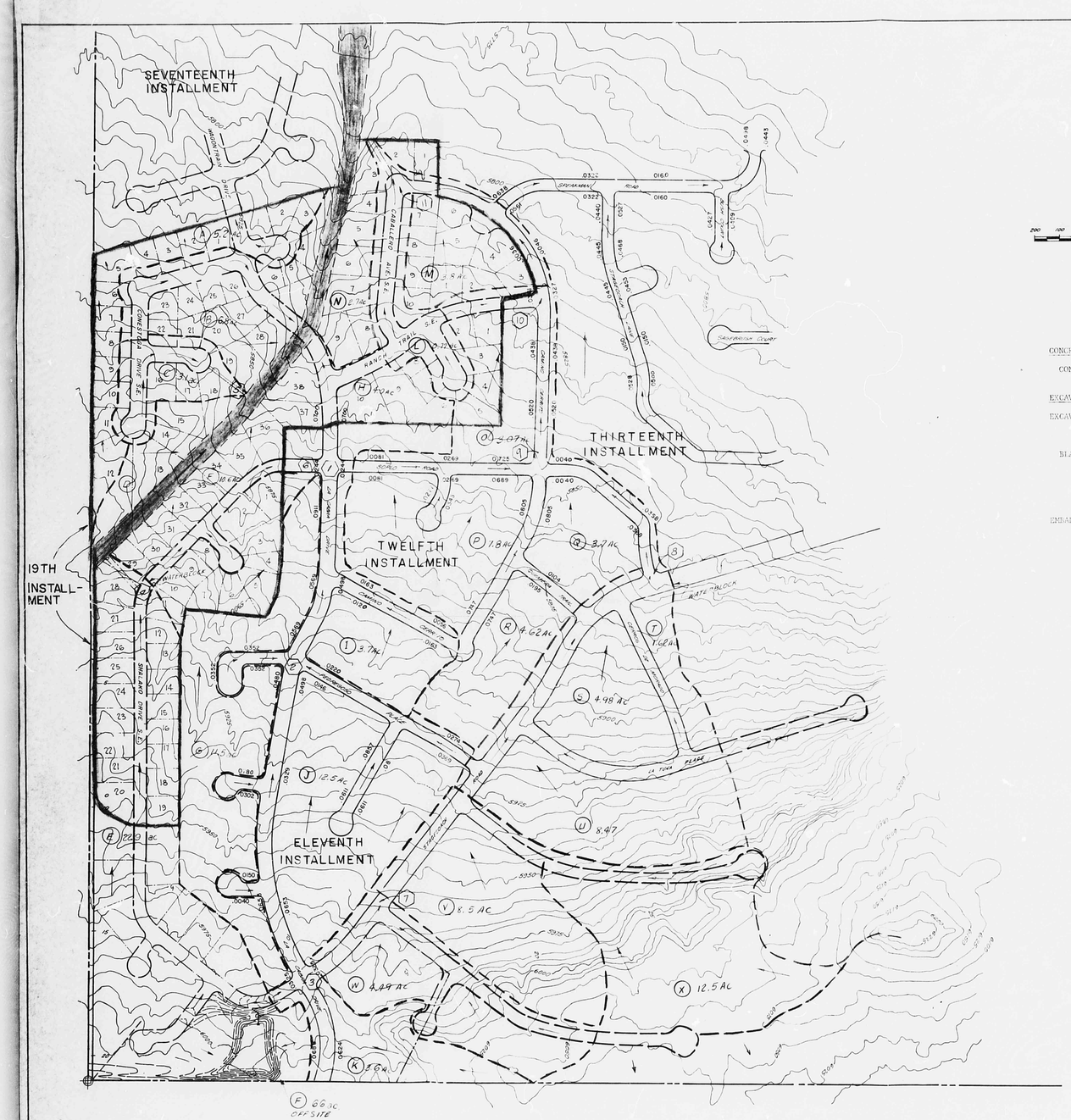
HYDROLOGY M23/D6 7 PLANS
2 of 2



GUIDE SPECIFICATIONS

CONCRETE

CONCRETE: Concrete shall attain a minimum compressive strength of 3,500 psi in 28 days. Minimum cement content shall be 5½ sacks of cement per cubic yard of concrete.

EXCAVATION, BLASTING AND EMBANKMENT

EXCAVATION: The excavation shall be performed in accordance with lines and grades set by the Engineer. All material encountered, of whatever nature, within the boundaries indicated on plans shall be removed and disposed of as directed.

BLASTING: If the Contractor elects to perform any blasting in this area, it will be permitted only when proper precautions are taken for the protection and safety of all persons, work and property. The Contractor must comply with all federal, state and local laws and regulations governing the transporting, storing, and use of explosives. The Contractor shall be responsible for any damage done to the work or property and shall repair same at his own expense.

EMBANKMENT: The Owner shall retain a soils engineer familiar with soils in the area to direct placement of all embankments and to determine the suitability of material to be placed in the embankment.

Prior to placing any embankment material, the ground upon which the embankment is to be placed must be scarified and free from all deleterious material such as leaves, grass, roots or other objectionable material. The Soils Engineer shall provide a written approval of all material upon which embankment is to be placed. The compaction equipment used shall be of a type and size approved by the Soils Engineer.

Embankment shall be constructed of approved material placed in successive layers of not more than eight (8) inches in loose depth for the full width of the section. All material shall be free of all deleterious material such as leaves, grass, roots or any objectionable material or organic matter. The material in each layer shall be of the proper moisture content before rolling to obtain the prescribed compaction.

All embankments shall be compacted to ninety-five (95) percent of the maximum standard proctor density. Field compaction tests will be taken at the discretion of the Soils Engineer. Cost of field testing to be paid by Owner.

LEGEND

- BOUNDARY LINES OF 19th INSTALLMENT
- SUBDRAINAGE BASINS
- DESIGN POINT
- .0050 SLOPE STREET GUTTER (FT/FT). CITY ALBUQUERQUE PLANS.

REGISTERED ENGINEER STATE OF NEW MEXICO 5900 WILLIAM D. STITES

REV. 5/9/77 WDS

DIVERSION CHANNEL - EXTENSION
FOUR HILLS VILLAGE - ALBUQUERQUE, N.M.

PAUL'S HOMES, INC.
729 FOUR HILLS ROAD S.E
ALBUQUERQUE, N.M. 505/296-5494

STITES & ASSOCIATES, INC.
8000 E. GIRARD AVE SUITE 306
DENVER, CO 80231 303/751-1237

DRAWN L.E.S.
CHECKED W.D.S.
REVISED SEPT 3, 1976
2-14-77
PROJECT P8-6
DATE JULY 6, 1976
SHEET 1 of 1

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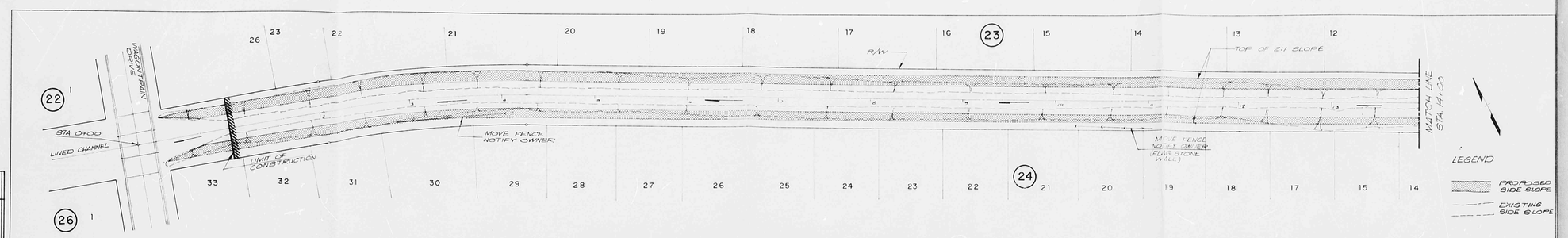
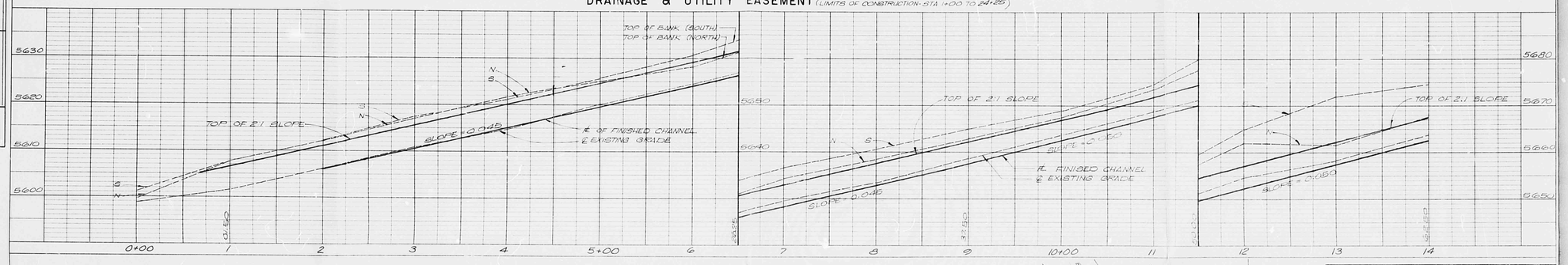
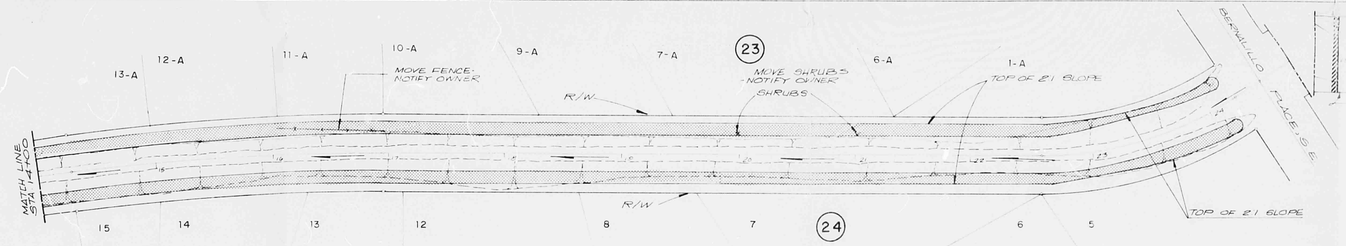
C D

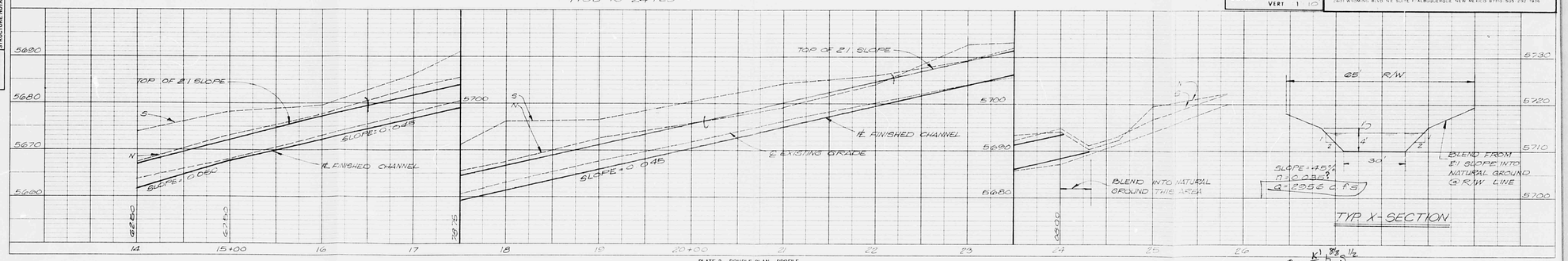


DRAINAGE & UTILITY EASEMENT (LIMITS OF CONSTRUCTION-STA 1+00 TO 24+25)





LIMITS OF CONSTRUCTION 1+00 TO 24+25



REGRADING OF DRAINAGE CHANNEL THRU FOUR HILLS 5th INSTALLMENT

DATE	SCALE	SHEET OF

No	DATE	BY	REVISIONS

Designed By	Drawn By	Checked By	Approved By

SCALE: HORIZ 1" = 50'
VERT 1" = 10'

MURRAY-McCORMICK, INC.
ENVIRONMENTAL DESIGN
ENGINEERING PLANNING · SURVEYING
2601 WYOMING BLVD NE SUITE F ALBUQUERQUE NEW MEXICO 87110 505 292-1976

PLAN: SURVEYED ___ BY ___ DATE ___; PLOTTED ___; QUANTITY CHECKED ___; R/T OF WAY CHECKED ___; NOTE BOOK ___ NO. ___

PROFILE: SURVEYED ___ BY ___ DATE ___; PLOTTED ___; GRADES CHECKED ___; S.M.'s NOTED ___; STRUCTURES (NOTATING CHKD) ___; NOTE BOOK ___ NO. ___

PLATE 2 - DOUBLE PLAN - PROFILE
CHARLES BRUNING COMPANY
MADE IN U.S.A.

$Q = \frac{k}{n} b^{8/3} S^{1/2}$

$Q = \frac{.434}{.045} 10^{8/3} (.045)^{1/2} = 122.0 \quad b=10$

$Q = \frac{.0587}{.045} 30^{8/3} (.045)^{1/2} = 2828 \quad b=30$

$= 2241 \quad b=25$

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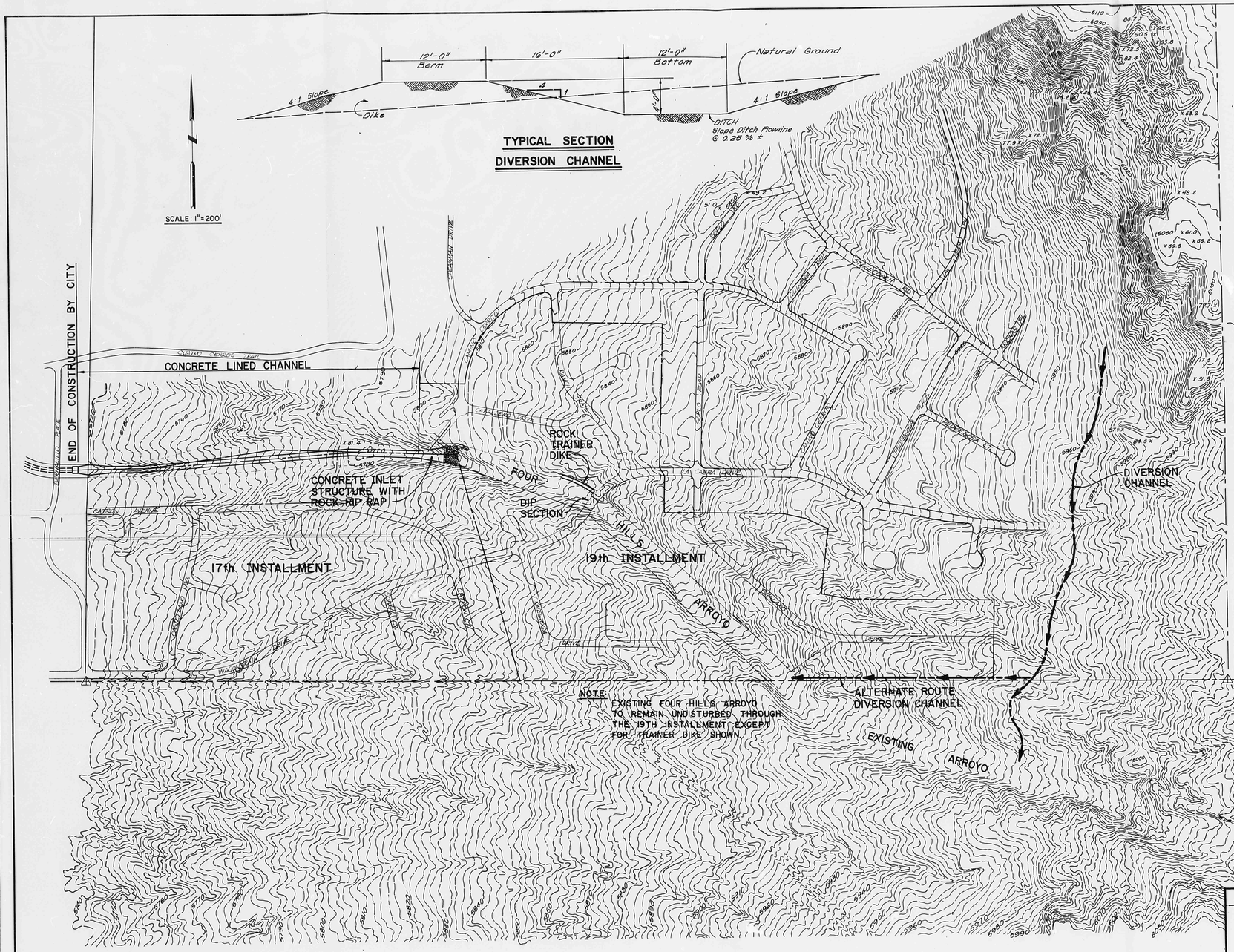

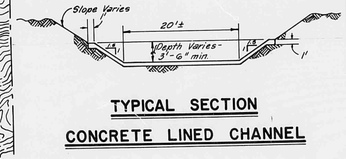

PAUL'S HOMES, INC.

FOURHILLS 19TH INSTALLMENT
DRAINAGE IMPROVEMENT PLAN

ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

FILE NO.	DRAWN:	CHECKED:	DATE:	SHEET
78-130				1 OF 1

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EXHIBIT "C"

PLANNING STUDY

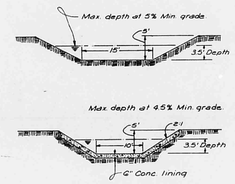
EXTENSION OF FOUR HILLS VILLAGE

ALBUQUERQUE, NEW MEXICO

MARCH 29, 1971

RALPH K. HICKS & ASSOCIATES, INC.
SURVEYORS – LAND PLANNERS

Scale: 1" = 200'



TYPICAL CHANNEL SECTION A-A

LEGEND

- Water Blocks
- Original Drainage Divisions
- Final Drainage Divisions
- (2011) Flows after Development
- End of Area

CANON DE CARNUE GRANT

1/4 Sec. Cor. 26 35

K-1

H-1

D-1

E-1

F-1

F-2
12TH INSTALLMENT

G-1

D-2

A-4

A-3

A-2

C-3

C-2

B-2

J-1

FAIRWAYS

FOUR HILLS COUNTRY CLUB

FAIRWAYS

HIGH MESA LANE

SAGEBRUSH TRAIL

SAGEBRUSH TRAIL

G5 DRAINAGE R.O.W.

STORM DRAINAGE R.O.W.

1/4 Sec. Cor. 34 35

Sec. Cor. 34 35

1/4 Sec. Cor. 31

Sec. Cor. 35 36

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CITY OF ALBUQUERQUE

C D F