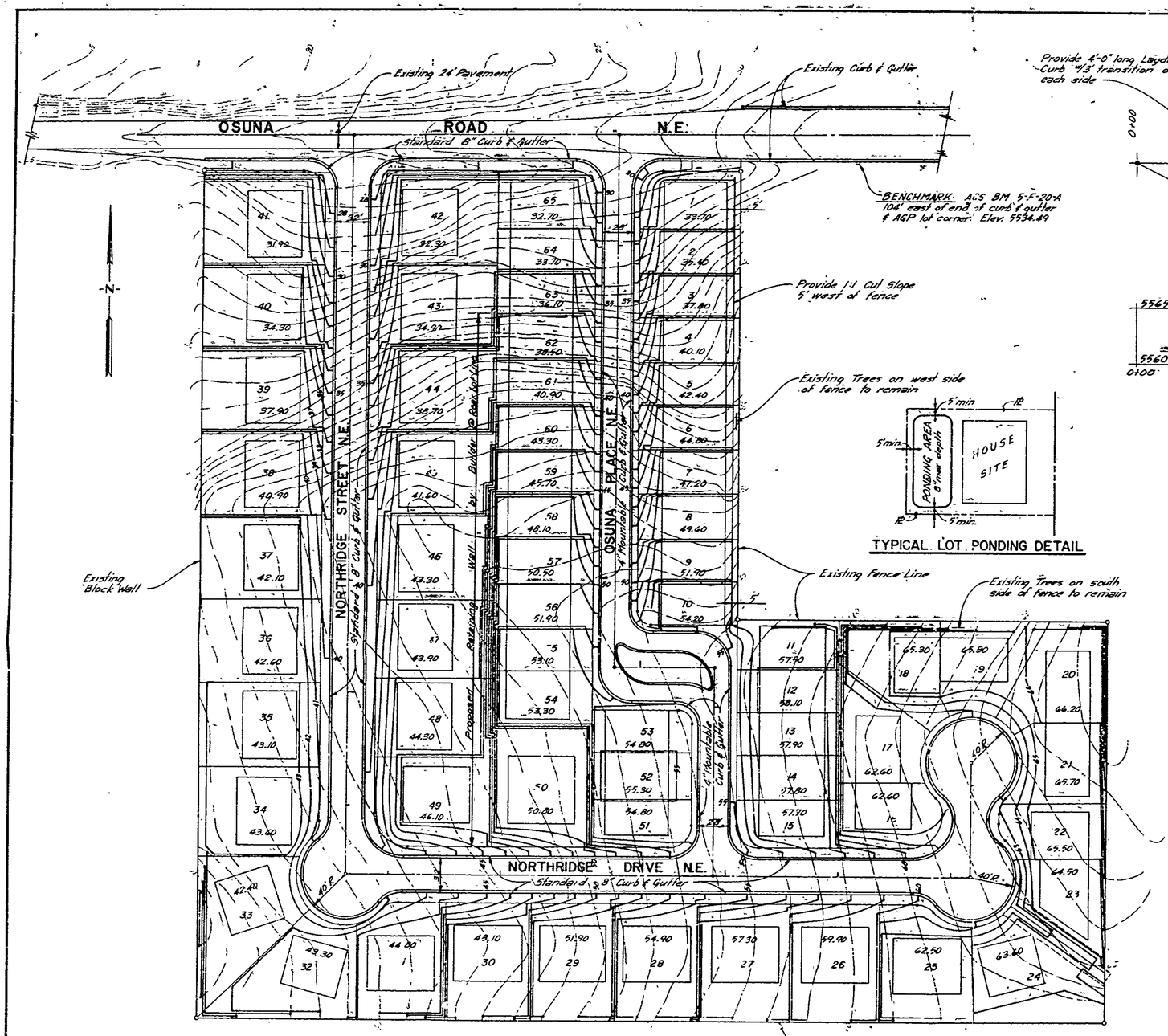
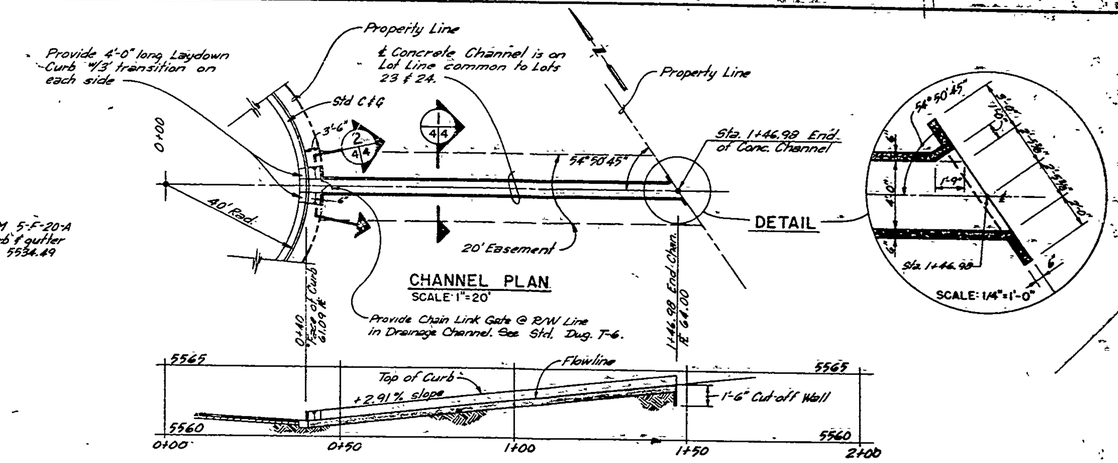


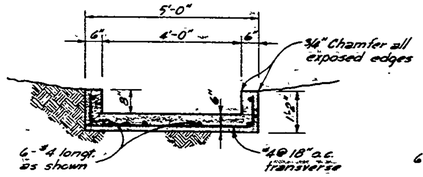
GRADING PLAN
SCALE: 1" = 50'

TYPICAL LOT PONDING DETAIL

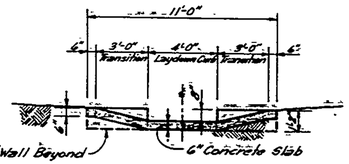


CHANNEL PLAN
SCALE: 1" = 20'

PROFILE
SCALE: 1" = 20' Horiz.
1" = 5' Vert.



SECTION 1
SCALE: 1/2" = 1'-0"



SECTION 2
SCALE: 1/4" = 1'-0"

DRAINAGE CHANNEL DETAILS

AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE 01-29-79

NOTE:
Drainage report on file with the Executive Engineer of MRGCD and the City Engineer of the City of Albuquerque requires backyard and/or roof ponding in accordance with the following Lot Ponding Requirements Tabulation:

LOT PONDING REQUIREMENTS

LOT NO.	STORAGE VOLUME (Cu. Ft.)	LOT NO.	STORAGE VOLUME (Cu. Ft.)
1	434		
2 thru 9	378 each lot	31	678
10	95	32	842
11 thru 14	384	33	918
15	134	34	238
16	159	35	732 each lot
17	511	36	898
18	606	37	841
19	559	38	742 each lot
20	663	39	693 each lot
21	428	40	495
22	297	50	822
23	505	51	95
24	849	52	378
25	617	53	95
26 and 27	792 each lot	54 thru 65	378 each lot
28 thru 30	742 each lot		490

Zone Atlas Map Index No. F-20

L E G E N D

30 — Existing Contour Lines

30 — New Finish Grade Contour Lines

58.10 — Proposed House Site Limits. Number in box designates finish grade elevation.

25 0.26 04.78

NOTE:
1. Compact the top 6" of all house sites to 90% of maximum density.
2. Site Grading will be performed by others, to within 6" plus or minus of finish grade.

APPROVED FOR CONSTRUCTION	APPROVALS	ENGINEER	DATE
	City Engineer		
	A.C.E.-Design		3-29-78
	A.C.E.-Hydrology		
CITY ENGINEER — DATE	Traffic Eng.		7-18-78

MRW — JOINT VENTURE

NORTHRIDGE UNIT NO. 10 SITE IMPROVEMENTS

SITE GRADING PLAN AND DRAINAGE CHANNEL DETAILS

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

FILE NO.	DRAWN	CHECKED	DATE	SHEET
78-128	JCS	JA	8-22-1978	4 OF 12

CT-26-78

Revised 10/2/78
(This page added)

IV

LOT PONDING REQUIREMENTS

Units to be constructed on lots in this subdivision consist of two types; one type being townhouse units (Lots 1 - 15 and 51 - 65) and the other type being single family units (Lots 16 - 50).

As established previously in this report, ponding of 100 per cent of rainfall that falls on the area lying 30 feet back of the street right-of-way is to be provided by backyard and/or roof ponding or other acceptable means.

The basis for determining the ponding requirements is as follows:

A. Single Family Lots (Lots 16 - 50)

Landscaped Area = 73%

Hard Surfaced Area = 27%

therefore:

Average Runoff Factor = (0.73)(0.50) + (0.27)(0.90) = 0.61

and

Rainfall to be Ponded = (2.6 in.)(1/12)(0.61) =

0.132 ft^3/ft^2 of Area

B. Townhouse Lots (Lots 1 - 15 and 51 - 65)

Landscaped Area = 40%

Hard Surfaced Area = 60%

therefore:

Revised 10-2-78
(This page added)

Average Runoff Factor = (0.40)(0.50) + (0.60)(0.90) = 0.74

and

Rainfall to be Ponded = (2.6 in.)(1/12)(0.74) =

0.160 ft^3/ft^2 of Area.

The Area of each lot lying 30 feet back of the street right-of-way was computed and this area then multiplied by the applicable rainfall to be ponded to determine the Lot Ponding Requirements shown in the following tabulation.

Revised 10-2-78
(This page added)

NORTHRIDGE UNIT NO. 10

DRAINAGE ANALYSIS

LOT PONDING REQUIREMENTS

LOT NO.	STORAGE VOLUME REQUIRED (Cu. Ft.)
1	434
2 thru 9	378 each lot
10	95
11 thru 14	384
15	134
16	159
17	511
18	606
19	559
20	663
21	428
22	297
23	505
24	849
25	617
26 and 27	792 each lot
28 thru 30	742 each lot
31	678
32	842
33	918
34	739
35 thru 40	792 each lot
41	898
42	841
43 thru 46	742 each lot
47 and 48	693 each lot
49	455
50	872
51	95
52	378
53	95
54 thru 64	378 each lot
65	490