HYDROLOGY

J11/D9
5 PLANS
1 of 2

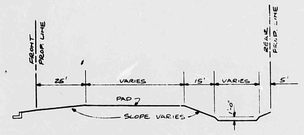
J11/D9

5 PLANS

CITY OF ALBUQUERQUE

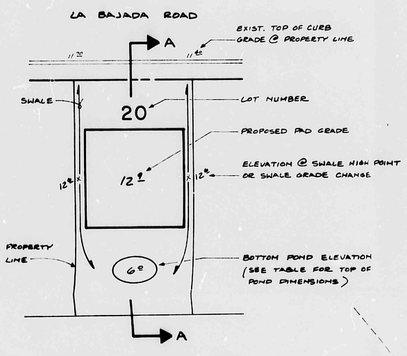
BLOCK NO.	LOT NO.	POND TOP DIMENSION	POND VOLUME
18	10	12'x50'	484 cu.ft.
18	14	12'x50'	484 cu.ft.
18	15	12'x50'	484 cu.ft.
18	16	12'x50'	484 cu.ft.
18	17	12'x50'	484 cu.ft.
18	18	12'x50'	484 cu.ft.
18	19	12'x50'	484 cu.ft.
18	20	12'x50'	484 cu.ft.
18	21	12'x50'	484 cu.ft.
18	22	12'x50'	484 cu.ft.
18	23	12'x50'	484 cu.ft.
18	24	12'x50'	484 cu.ft.
18	25	12'x50'	484 cu.ft.
17	14	12'x50'	484 cu.ft.
17	15	12'x50'	484 cu.ft.
17	16	13'x45'	477 cu.ft.
17	17	12'x50'	484 cu.ft.
17	18	12'x50'	484 cu.ft.
17	11	12'x45	434 cu.ft.

NOTE: NO TOP OF POND TO BE CLOSER THAN 5' FROM ANY LOT LINE.



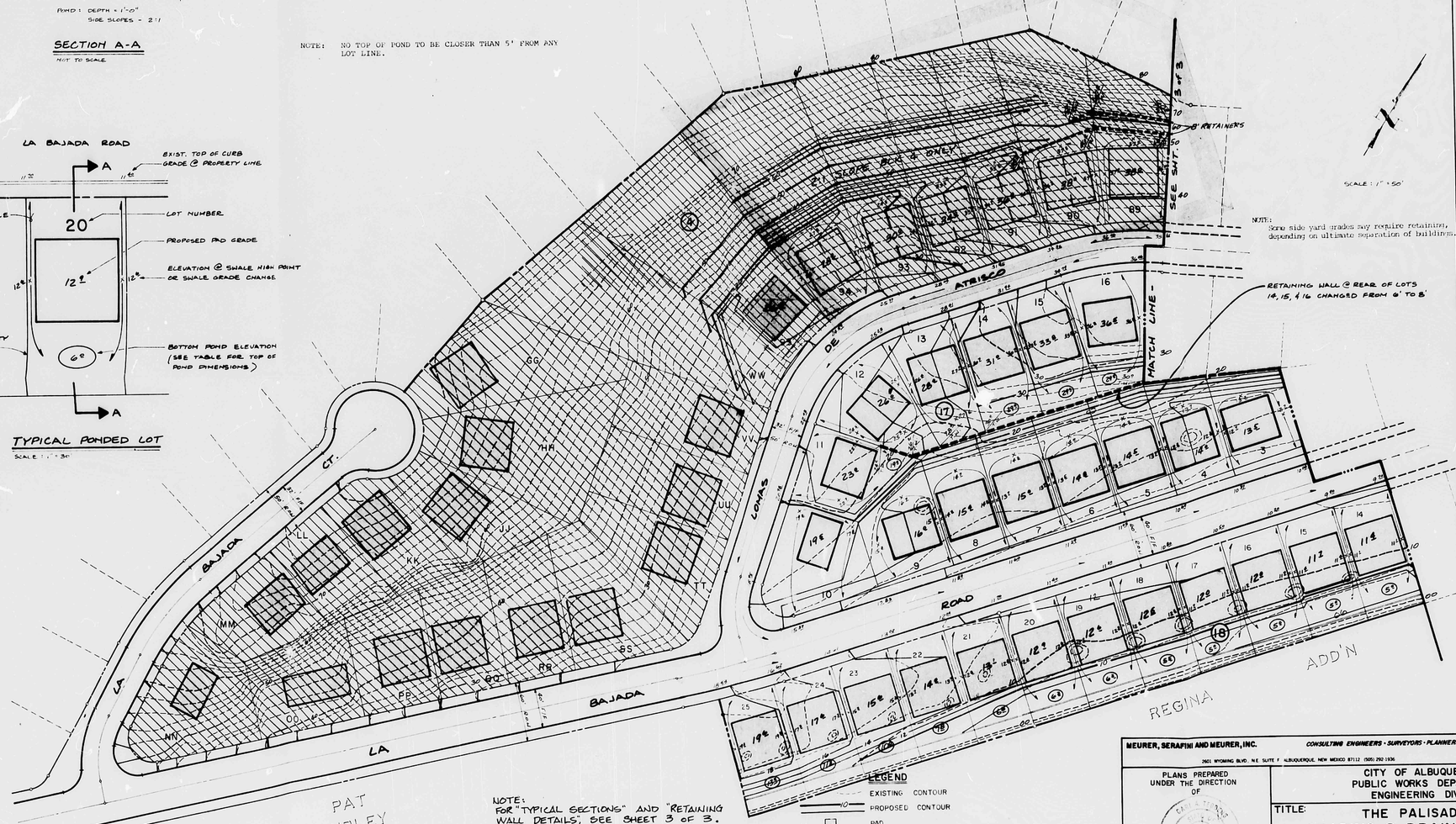
SECTION A-A

NOT TO SCALE



TYPICAL PONDED LOT

SCALE 1" = 30'



NOTE:
Some side yard grades may require retaining, depending on ultimate separation of buildings.

RETAINING WALL @ REAR OF LOTS 14, 15, & 16 CHANGED FROM 6' TO 8'

NOTE:
FOR "TYPICAL SECTIONS" AND "RETAINING WALL DETAILS", SEE SHEET 3 OF 3.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PAD
- RETAINING WALL
- RR 9 LOT NO
- (17) BLOCK NO
- AREAS NOT INCLUDED IN THIS CONTRACT
- SPOT ELEVATION
- DRAINAGE SWALE

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

ACS BENCH MARK 2-J11 LOCATED AT THE INTERSECTION OF ATRISCO ROAD NW AND RIVERSIDE PLACE. A "+" CARVED ON TOP OF CURB AT N.W. ELEVATION = 5047.33

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1	ALDRICH	6-9-86

REFERENCES

MAP NO. J-11 — J.L.
EST. NO. — J.L.
W.O. NO.

REVISIONS

NO.	DATE	REMARKS	BY
1	7/18/80	BLOCK 4 TO SLAB ON GRADE	J.L.
2	7/18/80	DRAINAGE SWALES & PONDS	J.L.
3	8/27/80	CLIMAX ROAD	

DESIGN

DESIGNED BY J. LEYSON — DATE JUNE, 1980
DRAWN BY K. MORRIS — DATE JUNE, 1980
CHECKED BY J. LEYSON — DATE JUNE, 1980

MEURER, SERAFINI AND MEURER, INC. — CONSULTING ENGINEERS · SURVEYORS · PLANNERS
2601 WYOMING BLVD. N.E. SUITE F ALBUQUERQUE, NEW MEXICO 87112 (505) 292-1936

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: THE PALISADES
GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.

SHEET 2 OF 3

0690039

CITY OF ALBUQUERQUE
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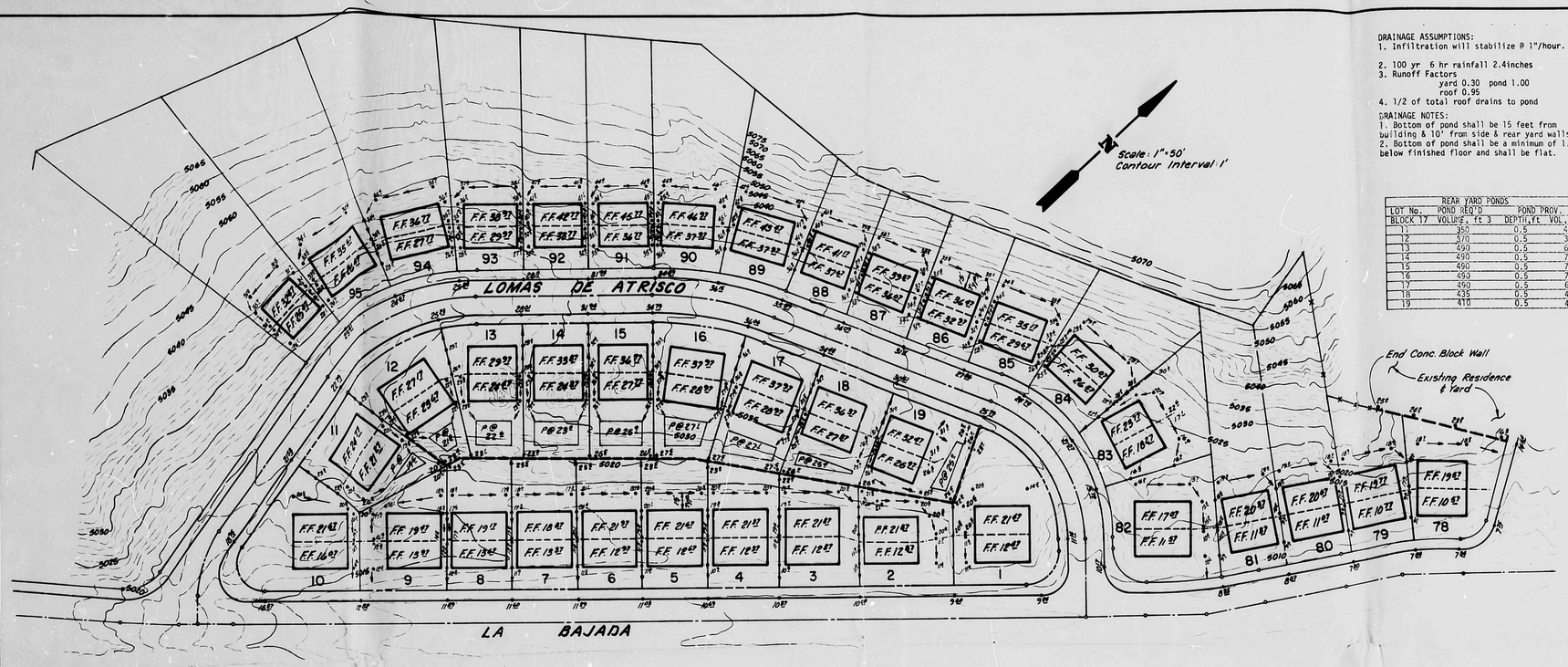
D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D



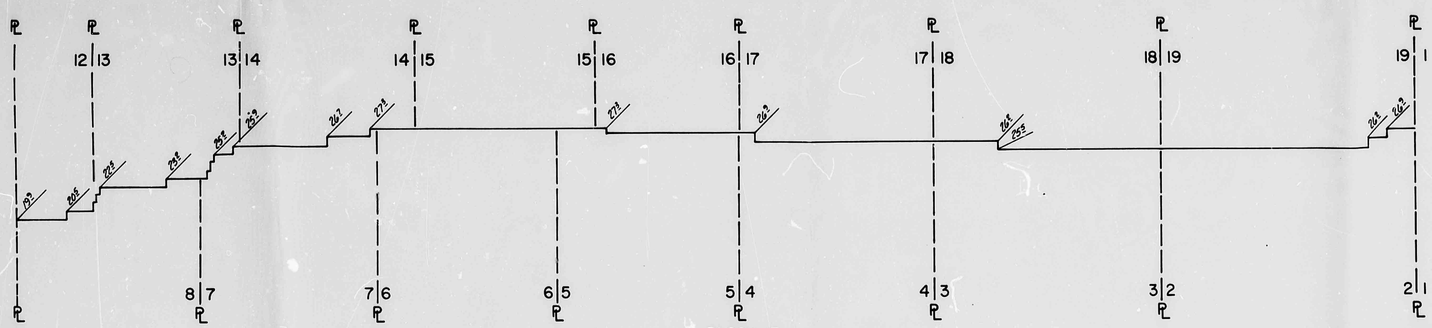
DRAINAGE ASSUMPTIONS:
1. Infiltration will stabilize @ 1"/hour.

2. 100 yr 6 hr rainfall 2.4inches
3. Runoff Factors
   yard 0.30 pond 1.00
   roof 0.95
4. 1/2 of total roof drains to pond

DRAINAGE NOTES:
1. Bottom of pond shall be 15 feet from building & 10' from side & rear yard walls.
2. Bottom of pond shall be a minimum of 1.5' below finished floor and shall be flat.

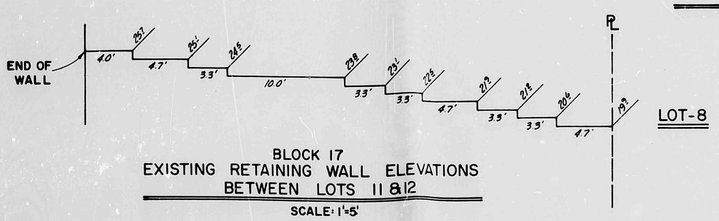
REAR YARD PONDS

LOT No.	POND REQ'D VOLUME, ft 3	POND PROV. DEPTH, ft	POND PROV. VOL., ft 3
BLOCK 17			
11	350	0.5	425
12	370	0.5	390
13	490	0.5	650
14	490	0.5	770
15	490	0.5	770
16	490	0.5	770
17	490	0.5	670
18	435	0.5	460
19	410	0.5	430



BLOCK 17
EXISTING RETAINING WALL ELEVATIONS
ALONG REAR LOT LINE
SCALE: VERT.=1"=5'
HORIZ.=1"=20'

NOTE — · — ; indicates "proposed retaining wall"



BLOCK 17
EXISTING RETAINING WALL ELEVATIONS
BETWEEN LOTS 11 & 12
SCALE: 1"=5'

GENERAL NOTES:
1. Topography from aerial photograph, prepared by T.R. Mann & Associates, flight date, 9/18/81.
2. Top of curb elevation shown are from field survey of as-built curb.
3. Retaining wall will require adjustment according to final lot grading.
4. Final lot grading shall conform to FHA M.P.S.

ADAM, HAMLYN, ANDERSON
PRINTED
DEC 23 1981

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR
INSPECTED BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. W.O. NO.
EST. NO.

REMARKS
REVISIONS
NO. BY DATE

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5130 STATE OF NEW MEXICO JAMES J. BORDENAVE
APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: THE PALISADES BLOCK-4&17
REVISED GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. SHEET OF

CITY OF ALBUQUERQUE
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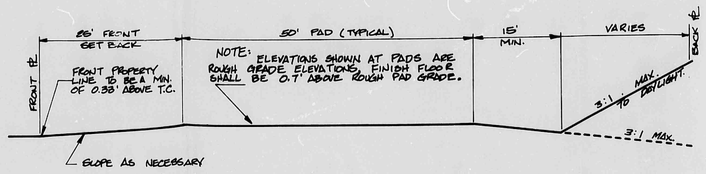
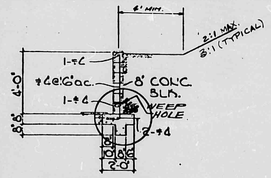
CITY OF ALBUQUERQUE

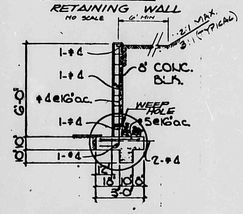


TYPICAL PAD

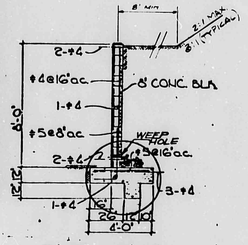
SCALE: 1"=10'



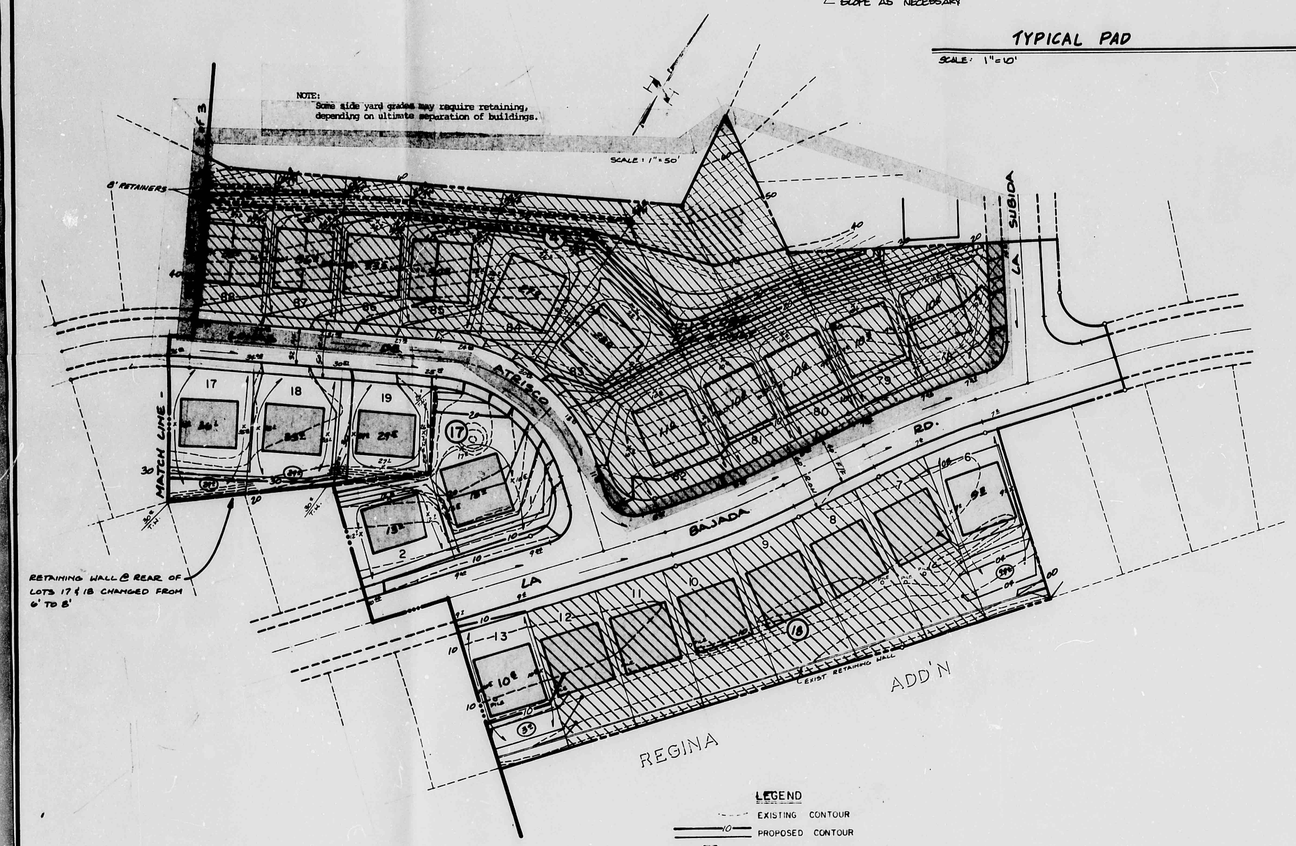
3'-0" TO 4'-0"
RETAINING WALL
NO SCALE

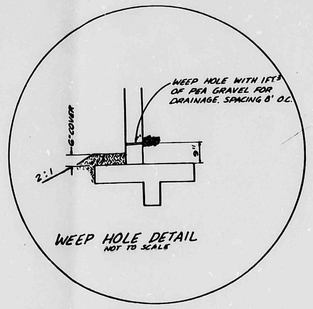


5'-0" TO 6'-0"
RETAINING WALL
NO SCALE



7'-0" TO 8'-0"
RETAINING WALL





WEEP HOLE DETAIL
NOT TO SCALE

AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

A.C.S. BENCH MARK 2-J11
LOCATED AT THE INTERSECTION OF ATRISCO ROAD N.W. AND RIVERSIDE PLACE N.W.
"X" CHISELED ON TOP OF CURB AT S.S.E. RETURN. ELEVATION: 5047.653

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1	A.L.MECH	6-9-86

REFERENCES

MAP NO.	J-11
EST. NO.	
WO. NO.	

NO.	DATE	REMARKS	BY
1	7/8/86	BLOCK & TO. SLAB ON GRADE	J.L.
2	7/14/86	DRAINAGE SWALES & PNTDS.	J.L.
3	8/27/86	ELEVATE BLK 4	J.L.

REVISIONS

DESIGN

DESIGNED BY J. LEVANON DATE
DRAWN BY K. MORELIS DATE
CHECKED BY J. LEVANON DATE

MEURER, SERAFINI AND MEURER, INC.
CONSULTING ENGINEERS · SURVEYORS · PLANNERS
2601 WYOMING BLVD. N.E. SUITE F ALBUQUERQUE, NEW MEXICO 87112 (505) 292-1936

PLANS PREPARED UNDER THE DIRECTION OF CARL J. TEBBENS, STATE OF NEW MEXICO, NO. 6309, REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION
Richard E. Wells 10/24/86
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE:
THE PALISADES
GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.

SHEET 3 OF 3

0650033

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CITY OF ALBUQUERQUE

HYDROLOGY

J11/D9
5 PLANS
2 of 2

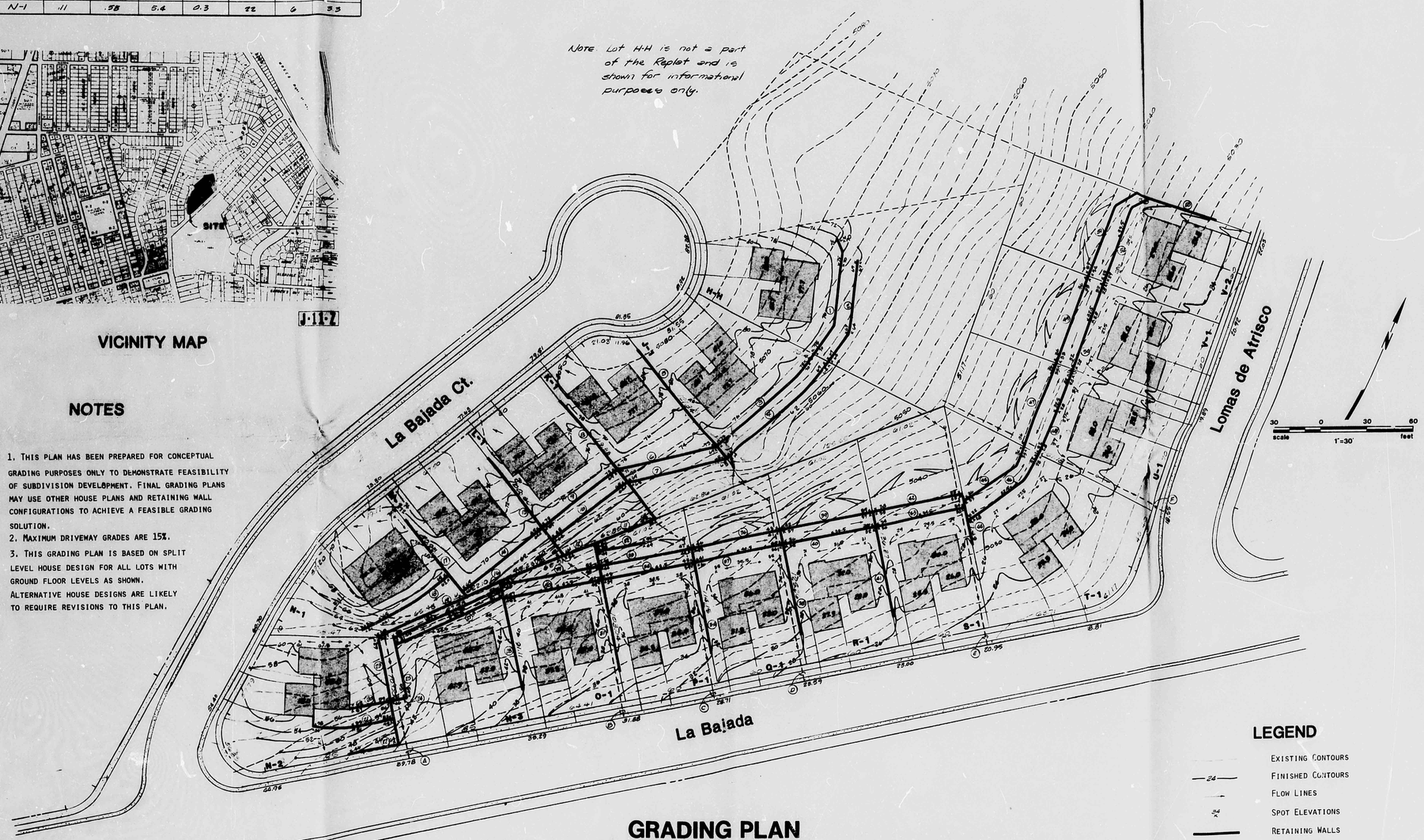
DRAIN LINE SIZING CALCS.

LOT No	RUNOFF AREA (AC.)	COMPOSITE C VALUE	"I" (in/hr)	Q cfs	SLOPE (%)	PIPE SIZE (in)	PIPE CAPACITY (cfs)
H-H	.38	.65	5.4	0.9	16	6	2.9
J-1	.28	.48	5.4	0.6	16	6	2.9
K-1	.16	.52	5.4	0.5	21	6	3.3
L-1	.14	.54	5.4	0.4	20	6	3.3
M-1	.13	.55	5.4	0.4	21	6	3.3
N-1	.11	.58	5.4	0.3	22	6	3.3

J-17

VICINITY MAP

Note Lot H-H is not a part of the Replat and is shown for informational purposes only.



NOTES

1. THIS PLAN HAS BEEN PREPARED FOR CONCEPTUAL GRADING PURPOSES ONLY TO DEMONSTRATE FEASIBILITY OF SUBDIVISION DEVELOPMENT. FINAL GRADING PLANS MAY USE OTHER HOUSE PLANS AND RETAINING WALL CONFIGURATIONS TO ACHIEVE A FEASIBLE GRADING SOLUTION.
2. MAXIMUM DRIVEWAY GRADES ARE 15%.
3. THIS GRADING PLAN IS BASED ON SPLIT LEVEL HOUSE DESIGN FOR ALL LOTS WITH GROUND FLOOR LEVELS AS SHOWN. ALTERNATIVE HOUSE DESIGNS ARE LIKELY TO REQUIRE REVISIONS TO THIS PLAN.

LEGEND

- EXISTING CONTOURS
- 24 — FINISHED CONTOURS
- FLOW LINES
- 34 × SPOT ELEVATIONS
- RETAINING WALLS
- 25.0 PAD ELEVATIONS PROPOSED
- DRAIN LINES
- 3:1 SLOPE GRADES BY RATIO
- (29) RETAINING WALL No.
- (A) DRAINAGE LINE No.
- DRAIN LINE CLEANOUT

Thomas D. Isaacson 3/24/82

REVISED 8/6/82
PREPARED 3/22/82

Isaacson & Arfman, P.A.
Consulting Engineering Associates

GRADING PLAN

REPLAT of LOTS JJ thru VV in BLOCK 4, PALISADES SUBDIVISION

Sh. 1 of 2

CITY OF ALBUQUERQUE
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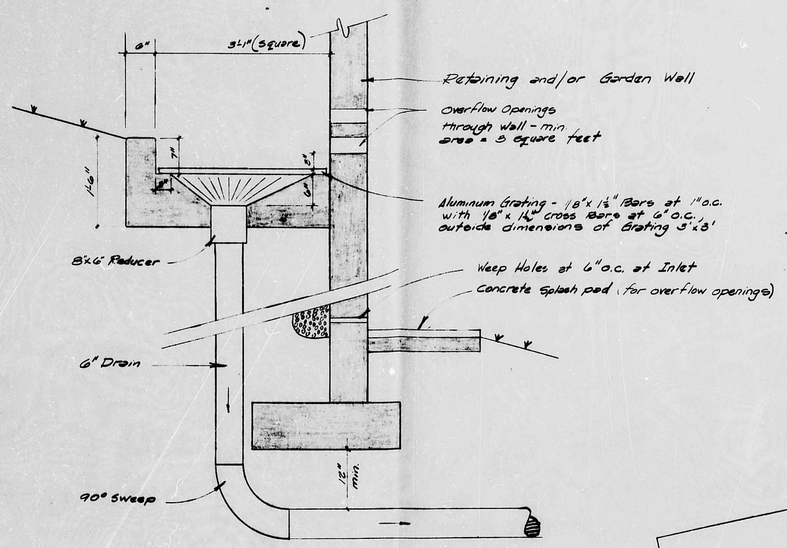
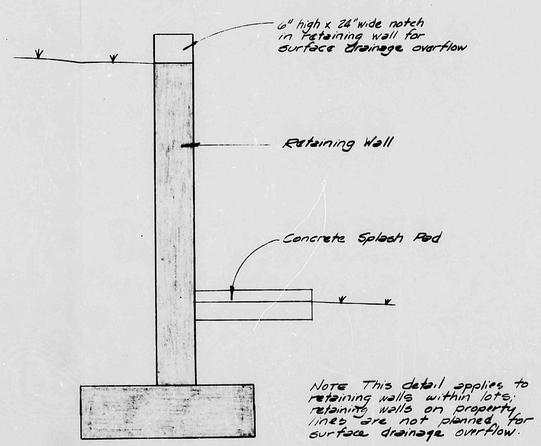
CITY OF ALBUQUERQUE



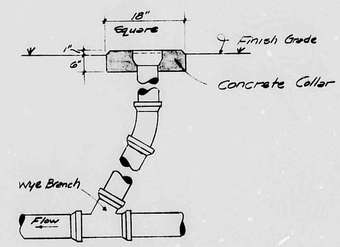
DRAIN LINE INLET DETAIL

scale: 1" = 1'-0"



RETAINING WALL OVERFLOW

scale: 1" = 1'-0"



CLEANOUT DETAIL

no scale

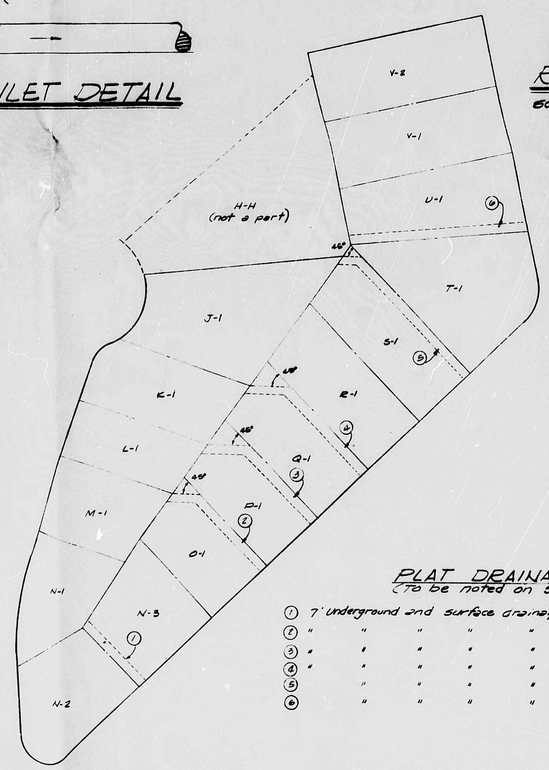
CONSTRUCTION PHASING SCHEDULE

Showing Drain Lines & Retaining Walls required for each Lot. Some Lines & Walls will not be required in the event contiguous lots have been previously completed. See Sheet 1 for locations of lines & walls.

LOT	DRAIN LINES *	RETAINING WALLS COMPLETE	RETAINING WALLS PARTIAL**
J-1	(E)	3-5	1 2 6 7
K-1	(D)	5-8	3 4 9-11
L-1	(C)	8-13	6-8 14 15
M-1	(B)	13-17	9 10 12 18 19
N-1	(A)	17-19	14 16 22 25-27
N-2	-	20-25	19 26 22
N-3	(A)	16 19 23-28	15 20-21 29 30
O-1	(B)	12 15 28-31	11 16 26 27 32-34
P-1	(C)	11 31-35	12 29 31 33 39
Q-1	(D)	35-38	33 34 39 40
R-1	-	38-41	36 37 42 43
S-1	(E)	41-44	39 40 45 46
T-1	-	44-46	42 45 47 48
U-1	(F)	47 48	46 45 49 50
V-1	-	49 50	47 48 51 52
V-2	-	51 52 53	49 50

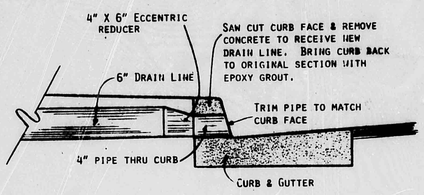
* COMPLETE WITH INLETS, OUTLETS THROUGH CURB FACE AND GRADING TO COLLECT WATER, CLEANOUTS, MIN. COVER 24" FROM FINISHED GRADES SHOWN ON GRADING PLAN EXCEPT AT LAST 25' TO CURB WHERE COVER SHALL BE REDUCED TO ALLOW DAYLIGHT INTO FACE OF CURB. MINIMUM DRAIN PIPE GRADE TO BE 1%.

**EXTEND WALLS BEYOND LOT LINES SO THAN THE TOP AND BOTTOM FINISH GRADES WILL REACH DAYLIGHT AT SLOPES NOT EXCEEDING 3 HORIZONTAL TO 1 VERTICAL.



PROPOSED PLAT DRAINAGE EASEMENT LAYOUT

scale: 1" = 50'



Drain Line Outlet at Curb

scale: 1" = 1'-0"

PLAT DRAINAGE NOTATIONS

(To be noted on Summary Plat)

1. 7' underground and surface drainage easement for drainage from Lot N-1
2. " " " " " " " " " " M-1
3. " " " " " " " " " " L-1
4. " " " " " " " " " " K-1
5. " " " " " " " " " " J-1
6. " " " " " " " " " " H-H

GRADING & DRAINAGE DETAILS

CITY OF ALBUQUERQUE
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CITY OF ALBUQUERQUE