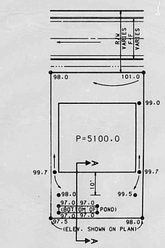
PUBLIC WORKS/HYDROLOGY

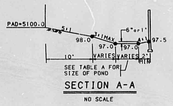
A13/D7A1



TYPICAL LOT GRADING PLAN
FOR LOTS WITH BACKYARD PONDING

NO SCALE

NOTE: ALL AREAS FROM THE REAR OF THE PAD TO THE STREET TO DRAIN TO THE STREET. POND IS DESIGNED FOR BACKYARD RUNOFF ONLY.

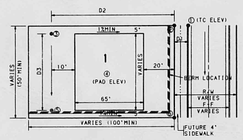


SECTION A-A

NO SCALE

TABLE A

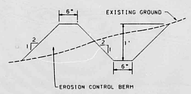
LOT	POND SIZE (L W D)
UNIT 4	
1	15'x4'x6"
2,3	30'x5'x1'
4	20'x7'x1'
5	40'x4'x6"
6,7,9	50'x4'x6"
8,10	44'x4'x6"
11	30'x12'x1'
UNIT 5	
50	32'x5'x1'
51	30'x5'x1'
51,153	30'x4'x6"
119-121	30'x4'x6"
54	35'x4'x6"
55	35'x4'x6"
56	10'x30'x1'
133,136	10'x30'x1'
131	10'x10'x6"
132,137	10'x25'x1'
134	40'x10'x1'
135	10'x25'x1'
137	10'x25'x1'
148-152	25'x2.5'x6"
178-181	35'x5'x6"
UNIT 6	
168-170	25'x2.5'x6"
171	4'x25'x6"
172	35'x2.5'x6"
172,173	25'x2.5'x6"
72	35'x20'x6"
83-84	30'x5'x1'
95-97	35'x5'x1'



TYPICAL LOT GRADING PLAN

NO SCALE

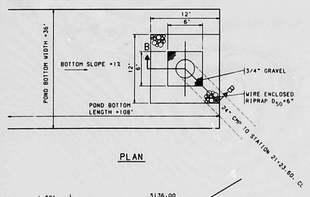
TO SET SPOT ②: MULTIFLY D1 BY 2% AND ADD TO SPOT ① ON HIGH SIDE OF STREET
TO SET SPOT ③: MULTIFLY D2 BY 1% AND ADD TO SPOT ②
TO SET SPOT ④: ADD 0.5' TO SPOT ③ AND ROUND TO NEAREST 0.5'
TO RESET SPOT ②: SUBTRACT 0.5' FROM SPOT ④
TO SET SPOT ⑤: MULTIFLY D3 BY 1% AND SUBTRACT FTGH SPOT ③
(CHECK SLOPE FROM SPOT ⑤ TO SPOT ① TO BE MIN. 1%)
(NOTE: IF STREET SLOPE IS LESS THAN 1% THEN START FROM LOW SIDE OF STREET)



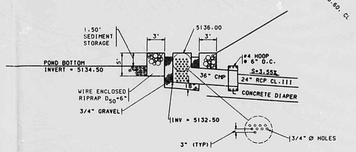
EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT. SEE TYPICAL LOT GRADING PLAN THIS SHEET FOR LOCATION.



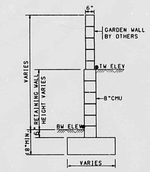
PLAN



PROFILE (SECTION B-B)

POND OUTLET

(INCIDENTAL TO DETENTION POND BID ITEM)

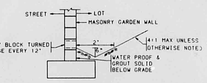


TW=FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL
BW=FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL

TYPICAL RETAINING WALL NOMENCLATURE

NO SCALE

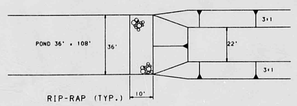
(RETAINAGE HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL)



WEEP HOLE DETAIL

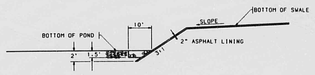
NO SCALE

NOTE:
TURN BLOCKS ON EDGE FOR WEEP HOLES TYPICAL FOR LOTS 40, 82, 94, 130, 138, 153, 174, & 182.



RIP-RAP (TYP.)

PLAN



PROFILE

ASPHALT RUNDOWN

GENERAL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT PREPARED BY VINYARD AND ASSOCIATES DATED AUGUST 31, 1994.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. ALL SPOT ELEVATIONS ARE TO TOP OF CURB UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT PROJECTED TOP OF CURB ELEVATION.

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	×26.5
PROPOSED SPOT ELEVATION	●26.5
TOP OF ROLL CURB ELEVATION	●26.5R
DIRECTION OF FLOW	S=2.56%
PHASE BOUNDARY	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	

APPROVED FOR ROUGH GRADING (±1')

HYDROLOGY ENGINEER DATE

ENGINEER'S SEAL | SURVEY INFORMATION | FIELD NOTES | BY | DATE | NO.

BENCH MARKS | TBM NO:205 | CHISELED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL. ELEV. 5110.55

CONTRACTOR | STAKED BY | PREPARED BY | DATE | CERTIFICATION BY | DATE | AS-BUILT INFORMATION | MICRO-FILM INFORMATION | RECORDED BY | DATE | NO:

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY PR. OF ENGR. DATE 10/95
DRAWN BY TCG DATE 10/95
CHECKED BY JRT DATE 10/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SEVEN BAR NORTH - UNIT 5A
GRADING PLAN (DETAILS)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

DRAWING NO. 4982.93 | MAP NO. A-13 | SHEET 3B OF 24

BHI JOB NO. 93217.44

Copyright Bohannan-Huston Inc. 1995

DATE: OCTOBER, 1995

CDP1:C:\93217A0.PAD\GRADE5A-DTLS.DGN

R# 22 DATE 3-13-02 DV

CITY OF ALBUQUERQUE

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The photographic process used meets the Basic Microfilm Standards of the National Microgra[illegible] Association (MS[illegible]-1[illegible])

DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/02/02

CITY OF ALBUQUERQUE
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PLANS/PLATS ON FILE

FILE DESC: A13/D7A1

PLANS/PLATS 2

E 30 D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D F

NOTE:
RESEED ALL DISTURBED AREAS WITH NATIVE GRASS & STRAW AS PER COA STD. SPEC 1012.

SCALE: 1" = 50'

DETAIL "C"
NO SCALE

SEVEN BAR LOOP ROAD SECTION B-B
NO SCALE

TYPICAL STREET SECTION A-A

TYPICAL STREET SECTION A-A

SECTION C-C
NO SCALE

SECTION E-E
NO SCALE

SECTION D-D
NO SCALE

FUTURE UNIT 6

UNIT 5B GRADE ONLY

UNIT 5A

UNIT 1

TEMPORARY DETENTION/SEDIMENTATION POND

POND OUTLET SEE DETAILS SHEET 3B

X=373,448.39
Y=1,534,114.38

X=373,761.5379
Y=1,534,121.1844

X=374,332.9786
Y=1,534,307.8240

TIE TO EXISTING GRADE (TYP.)

VERIFY CHANNEL X-SECT. WIDTH

SAND DE HAIZ ROAD

LENO ROAD

SEVEN BAR LOOP ROAD

CERRO CRESTADO ROAD

BLACK ARROYO

WEEP HOLES

GRADE IS MATCH PROPOSED ELEVATIONS

GRADE SWALE FLOW INTO EXISTING TEMPORARY POINT

NOTE:
FOR GRADING DETAILS SEE SHEET 3B OF 24

APPROVED FOR ROUGH GRADING (± 1')

HYDROLOGY ENGINEER — DATE 10-31-95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SEVEN BAR NORTH - UNIT 5a
FINAL GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY	JPC	10-31-95			

DRAWING NO. 4982.93 | MAP NO. A-13 | SHEET 3A OF 24

DATE: OCTOBER, 1995

BHI JOB NO. 93217.44

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CDP1-LC93217A0-PAD3GRADESALL.CRF

DRAINAGE CERTIFICATION

AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN IN LOCATIONS WHERE THE ORIGINAL, DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE NEW ELEVATION IS LISTED. ELEVATIONS WERE PROVIDED BY ALDRICH LAND SURVEYING.

NOTES:

I, JAMES R. TOPMILLER, OF BOHANNAN-HUSTON, INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE EXISTING AND PROPOSED DRAINAGE CONDITIONS OF THIS SITE ARE IN SUBSTANTIAL COMPLIANCE WITH PREVIOUSLY APPROVED PLANS, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAMES R. TOPMILLER, P.E.
N.M.P.E. No. 9354

DATE: 9/9/96

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

AS-BUILT INFORMATION

CONTRACTOR Sundance Arch
STAKED BY ALS, INC.
ACCEPTANCE BY
FIELD LOCATION BY ALS, INC.
COMPILED BY ALS, INC.
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

TBM NO. 205
CHISELED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY PR. DF DATE 12/94
DRAWN BY TSG DATE 12/94
CHECKED BY JRT DATE 12/94

RECEIVED SEP 16 1996 HYDROLOGY DIVISION

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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R# 23 DATE 3-13-02 OP ESP

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NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 01/03/02

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

NOTE:
RESEED ALL DISTURBED AREAS WITH NATIVE GRASS & STRAW AS PER COA STD. SPEC 1012.

SCALE: 1" = 50'

DETAIL "C"
NO SCALE

SEVEN BAR LOOP ROAD SECTION B-B
NO SCALE

TYPICAL STREET SECTION A-A

TYPICAL STREET SECTION A-A

SECTION C-C
NO SCALE

SECTION E-E
NO SCALE

SECTION D-D
NO SCALE

TIE TO EXISTING GRADE (TYP.)

VERIFY CHANNEL X-SECT. WIDTH

X=373,761.5379
Y=1,534,121.1844

X=373,448.39
Y=1,534,114.38

X=374,332.9786
Y=1,534,307.8240

FUTURE UNIT 6

UNIT 5B GRADE ONLY

UNIT 5A

UNIT 4

CAMINO DE MAIZ ROAD

LENO ROAD

SEVEN BAR LOOP ROAD

CERRO CRESTADO ROAD

BLACK ARROYO

TEMPORARY DETENTION/SEDIMENTATION POND

POND OUTLET SEE DETAILS SHEET 3C

GRADE IS DUE TO IMPOSED CONDITIONS

GRADE SWALE NO PLAN INFO EXISTING TEMPORARY POND

NOTE:
FOR GRADING DETAILS SEE SHEET 3B OF 24

APPROVED FOR ROUGH GRADING (± 1')

JPC 10-31-95
HYDROLOGY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SEVEN BAR NORTH - UNIT 5a
FINAL GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY	JPC	10-31-95			

DRAWING NO.	MAP NO.	SHEET	OF
4982.93	A-13	3A	24

BHI JOB NO. 93217.44

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DRAINAGE CERTIFICATION

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NOTE:

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JAMES R. TOPMILLER, P.E.
N.M.P.E. No. 9354

DATE: 4/9/96

JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

1BM NO.205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

AS-BUILT INFORMATION

"AS-BUILT" PER FIELD INSPECTION BY ALDRICH LAND SURVEYING, INC. DATE 3/6/96
"AS-BUILT" PER FIELD INSPECTION BY A.S. INC. DATE 4/9/96
DRAWN BY
CHECKED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	PR. DF	DATE	12/94
DRAWN BY	TSD	DATE	12/94
CHECKED BY		DATE	12/94

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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D24 C20 B16 A12

CITY OF ALBUQUERQUE

C D