GRADING AND DRAINAGE CERTIFICATION

I, KERRY L. DAVIS, P.E. #9984, HAVE PERSONALLY VISITED THE SITE, AND HEREBY CERTIFY THAT SITE GRADING, PAVING, STORM DRAINAGE, AND OTHER IMPROVEMENTS ARE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS APPROVED GRADING AND DRAINAGE PLAN, TO ALLOW THE IMPLEMENTATION OF THE DRAINAGE PATTERNS AND REQUIREMENTS IDENTIFIED HEREIN. AS-BUILT ELEVATIONS WERE VERIFIED BY FIELD SURVEYS PERFORMED BY BOHANNAN-HUSTON INC. DURING MAY, 1995. THIS STATEMENT DOES NOT REPRESENT CERTIFICATION OF CONTRACTORS CONSTRUCTION METHODS OR MATERIALS.

KERRY L. DAVIS, REGISTERED PROFESSIONAL ENGINEER, 9984, NEW MEXICO, 6-7-95

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	⊙19.25
PROPOSED SPOT ELEVATION	●05.70
DIRECTION OF FLOW	S=2.564%
BASIN BOUNDARY	
EROSION CONTROL BERM	
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	
STREET FLOW	Q_s=5.0CFS
PIPE FLOW	Q_p=5.0CFS
SHEET FLOW	Q=5.5CFS

*ALL FLOWS SHOWN ARE 100 YEAR EVENT

GENERAL GRADING NOTES:

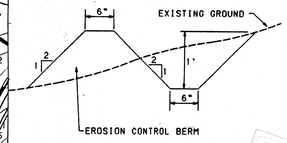
1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE, ENVIRONMENTAL HEALTH DIV., PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES, DATED JUNE 16, 1993 AND SUPPLIED BY THE OWNER.

3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPOSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS, PERMITS AND APPROVALS.

EROSION CONTROL PLAN:

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING.



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

WILLIAM L. VREELAND, NEW MEXICO, 8131, REGISTERED PROFESSIONAL ENGINEER, 5/10/95

RECORD DRAWING

DATE: 5/13/95

NO.	DATE	REMARKS
A	5/25/95	CHANGE DOOR #'S

REVISIONS

DESIGN			
DESIGNED BY	MSJ	DATE	4/94
DRAWN BY	SAR	DATE	4/94
CHECKED BY	KLD	DATE	4/94

ENGINEER'S SEAL: KERRY L. DAVIS, NEW MEXICO, 9984, REGISTERED PROFESSIONAL ENGINEER, 6-7-95

SURVEY INFORMATION FIELD NOTES		
NO.	DATE	BY

BENCH MARKS	
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE.	ELEV.= 5049.93

AS-BUILT INFORMATION			
CONTRACTOR	New Concepts Inc.		
WORK STAKED BY	Bell	DATE	5/95
AS-BUILT BY'S ACCEPTANCE BY	Bell	DATE	5/95
FIELD VERIFICATION BY	Bell	DATE	5/95
DRAWINGS CORRECTED BY	Bell	DATE	5/95
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

BOHANNAN-HUSTON INC.

RANCHO SERENO SUBDIVISION - UNIT III

FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Adelo	7-14-94	WATER	N/A RWK	6-17-94
TRANSPORTATION	K. Lane	6-17-94	WASTE WATER	N/A RWK	6-17-94
HYDROLOGY	J. Martin	6-17-94	A.M.A.F.C.A.	John Kelly	6-17-94

DRAWING NO.	MAP NO.	SHEET	OF
4569.95	C-12	4	51

DATE:

USERNAME: CDP2=[C94I1401.PAD]
FILENAME: GRADE1.GRF

BHI JOB NO. C94I1401

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2 6 4 5 6 9 . 9 5 0 4 9 5

Engr Cert

LAS TERRAZAS SUBDIVISION

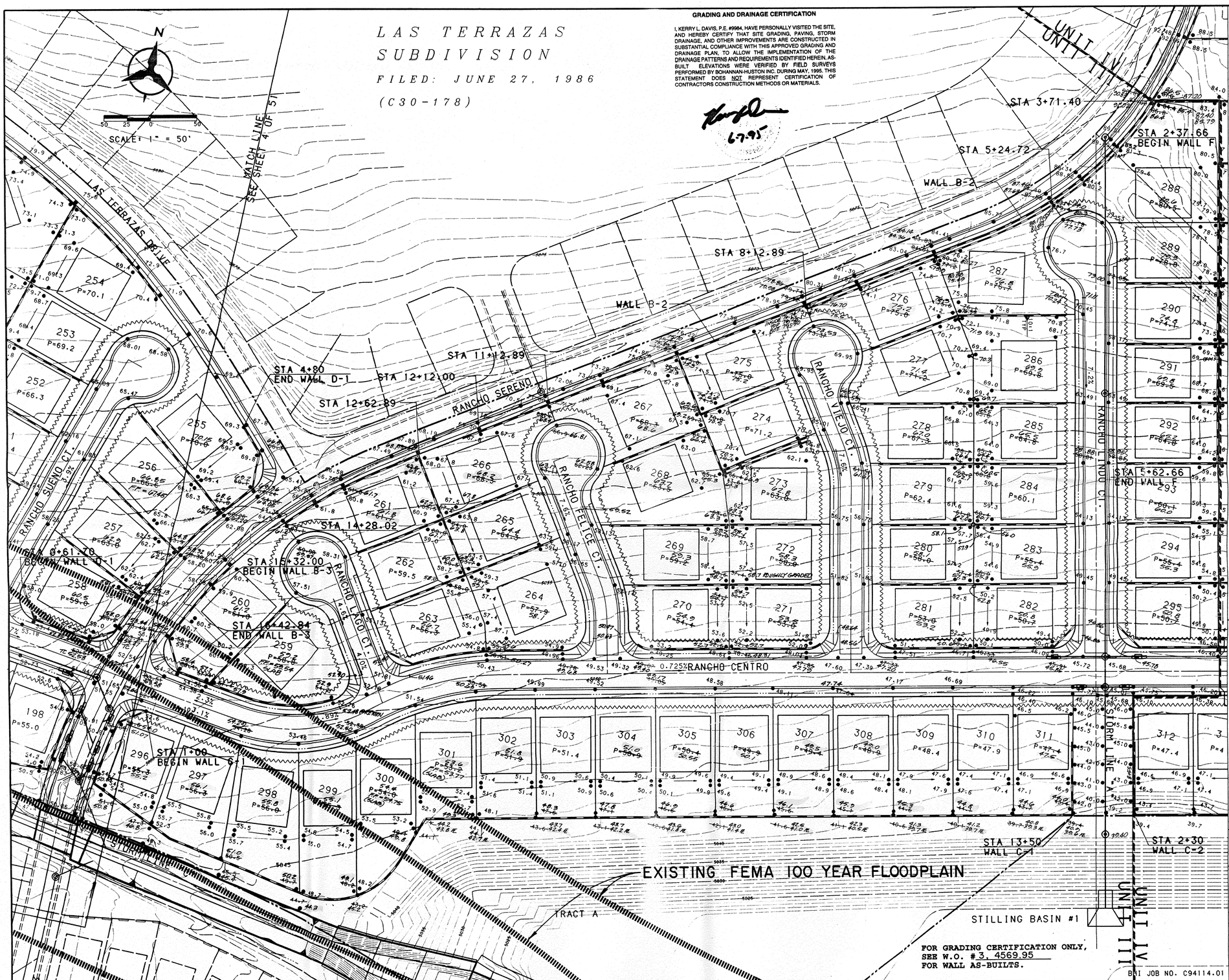
FILED: JUNE 27, 1986

(C30-178)

GRADING AND DRAINAGE CERTIFICATION

I, KERRY L. DAVIS, P.E. #9984, HAVE PERSONALLY VISITED THE SITE, AND HEREBY CERTIFY THAT SITE GRADING, PAVING, STORM DRAINAGE, AND OTHER IMPROVEMENTS ARE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS APPROVED GRADING AND DRAINAGE PLAN, TO ALLOW THE IMPLEMENTATION OF THE DRAINAGE PATTERNS AND REQUIREMENTS IDENTIFIED HEREIN. AS-BUILT ELEVATIONS WERE VERIFIED BY FIELD SURVEYS PERFORMED BY BOHANNAN-HUSTON INC. DURING MAY, 1995. THIS STATEMENT DOES NOT REPRESENT CERTIFICATION OF CONTRACTORS CONSTRUCTION METHODS OR MATERIALS.

6-7-95



FOR GRADING CERTIFICATION ONLY, SEE W.O. #3, 4569.95 FOR WALL AS-BUILTS.

BHI JOB NO. C94114.01

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	○19.25
PROPOSED SPOT ELEVATION	●05.70
DIRECTION OF FLOW	S=2.564%
BASIN BOUNDARY	
EROSION CONTROL BERM	
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	
STREET FLOW	Q_4=5.0CFS
PIPE FLOW	Q_2=5.0CFS
SHEET FLOW	Q=5.5CFS

*ALL FLOWS SHOWN ARE 100 YEAR EVENT

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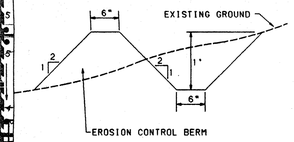

EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

WILLIAM L. VREELAND, NEW MEXICO, 8131, CERTIFIED PROFESSIONAL ENGINEER, 5/18/95

RECORD DRAWING

DATE: 5/18/95

AS-BUILT INFORMATION		
CONTRACTOR	New Concepts Inc.	
STAKED BY	Ball	DATE 5/95
ACCEPTANCE BY	Ball	DATE 5/95
FIELD VERIFICATION BY	Ball	DATE 5/95
DRAWINGS CORRECTED BY	Ball	DATE 5/95
INTERSECTION OF CENTRAL AVE. AND STATE RD. 448. 6.1 MILES. GO NORTH ON STATE RD. 448. 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE.	MICRO-FILM INFORMATION	
RECORDED BY		DATE
NO.		
ELEV.= 5049.93		

BENCH MARKS

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SURVEY INFORMATION / FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KERRY L. DAVIS, NEW MEXICO, 9984, REGISTERED PROFESSIONAL ENGINEER, 6-7-95

REMARKS / REVISIONS / DESIGN

NO.	DATE	BY

DESIGNED BY	MSJ	DATE 4/94
DRAWN BY	SAR	DATE 4/94
CHECKED BY	KLD	DATE 4/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

BOHANNAN-HUSTON INC.

RANCHO SERENO SUBDIVISION - UNIT III

FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Goodwin	7-14-94	WATER	N/A RWE	6-17-94
TRANSPORTATION	N/A RWO	6-17-94	WASTE WATER	N/A RWE	6-17-94
HYDROLOGY	J. Curtis	6-17-94	A.M.A.F.C.A.	[illegible]	6-27-94

DRAWING NO.	MAP NO.	SHEET
4569.95	C-12	5 OF 51

DATE:

USERNAME: CDP2\LC94114\01.PAD3
FILENAME: GRADE2.GRF

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 4 5 6 9 . 7 5 0 5 9 5 .

N

SCALE: 1" = 50'

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	⊙19.25
PROPOSED SPOT ELEVATION	●05.70
DIRECTION OF FLOW	S=2.564%
BASIN BOUNDARY	
EROSION CONTROL BERM	
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	
STREET FLOW	Q_s=5.0CFS
PIPE FLOW	Q_p=5.0CFS
SHEET FLOW	Q=5.5CFS

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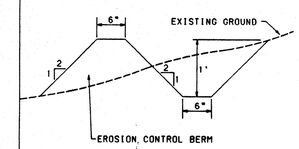

EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

GRADING AND DRAINAGE CERTIFICATION

I, KERRY L. DAVIS, P.E. #9984, HAVE PERSONALLY VISITED THE SITE, AND HEREBY CERTIFY THAT SITE GRADING, PAVING, STORM DRAINAGE, AND OTHER IMPROVEMENTS ARE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS APPROVED GRADING AND DRAINAGE PLAN, TO ALLOW THE IMPLEMENTATION OF THE DRAINAGE PATTERNS AND REQUIREMENTS IDENTIFIED HEREIN. AS-BUILT ELEVATIONS WERE VERIFIED BY FIELD SURVEYS PERFORMED BY BOHANNAN-HUSTON INC. DURING MAY, 1995. THIS STATEMENT DOES NOT REPRESENT CERTIFICATION OF CONTRACTORS CONSTRUCTION METHODS OR MATERIALS.

KERRY L. DAVIS
9984
REGISTERED PROFESSIONAL ENGINEER
6-7-95

WILLIAM L. VREEKE
NEW MEXICO
8131
REGISTERED PROFESSIONAL ENGINEER
5/18/95

RECORD DRAWING

DATE: 5/18/95

BHI JOB NO. C94114.01

AS-BUILT INFORMATION

CONTRACTOR New Concepts Inc.
WORK STAKED BY Bell DATE 5-8-95
STAKES CHECKED BY Bell DATE 5-8-95
ACCEPTANCE BY Bell DATE 5-8-95

FIELD VERIFICATION BY Bell DATE 5-8-95
DRAWINGS CORRECTED BY Bell DATE 5-8-95

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

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SURVEY INFORMATION

NO.	BY	DATE

FIELD NOTES

ENGINEER'S SEAL

KERRY L. DAVIS
NEW MEXICO
9984
REGISTERED PROFESSIONAL ENGINEER
6-7-95

NO.	DATE	REMARKS	BY
1	2/95	RELOCATED POND I.	KLD

REVISIONS

DESIGN

DESIGNED BY	MSJ	DATE 4/94
DRAWN BY	SAR	DATE 4/94
CHECKED BY	KLD	DATE 4/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT III

FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		7-14-94	WATER	NA	RWK 6-17-94
TRANSPORTATION	NA	6-17-94	WASTE WATER	NA	RWK 6-17-94
HYDROLOGY		6-17-94	A.M.A.F.C.A.		6-27-94

DRAWING NO.	MAP NO.	SHEET	OF
4569.95	C-12	6	51

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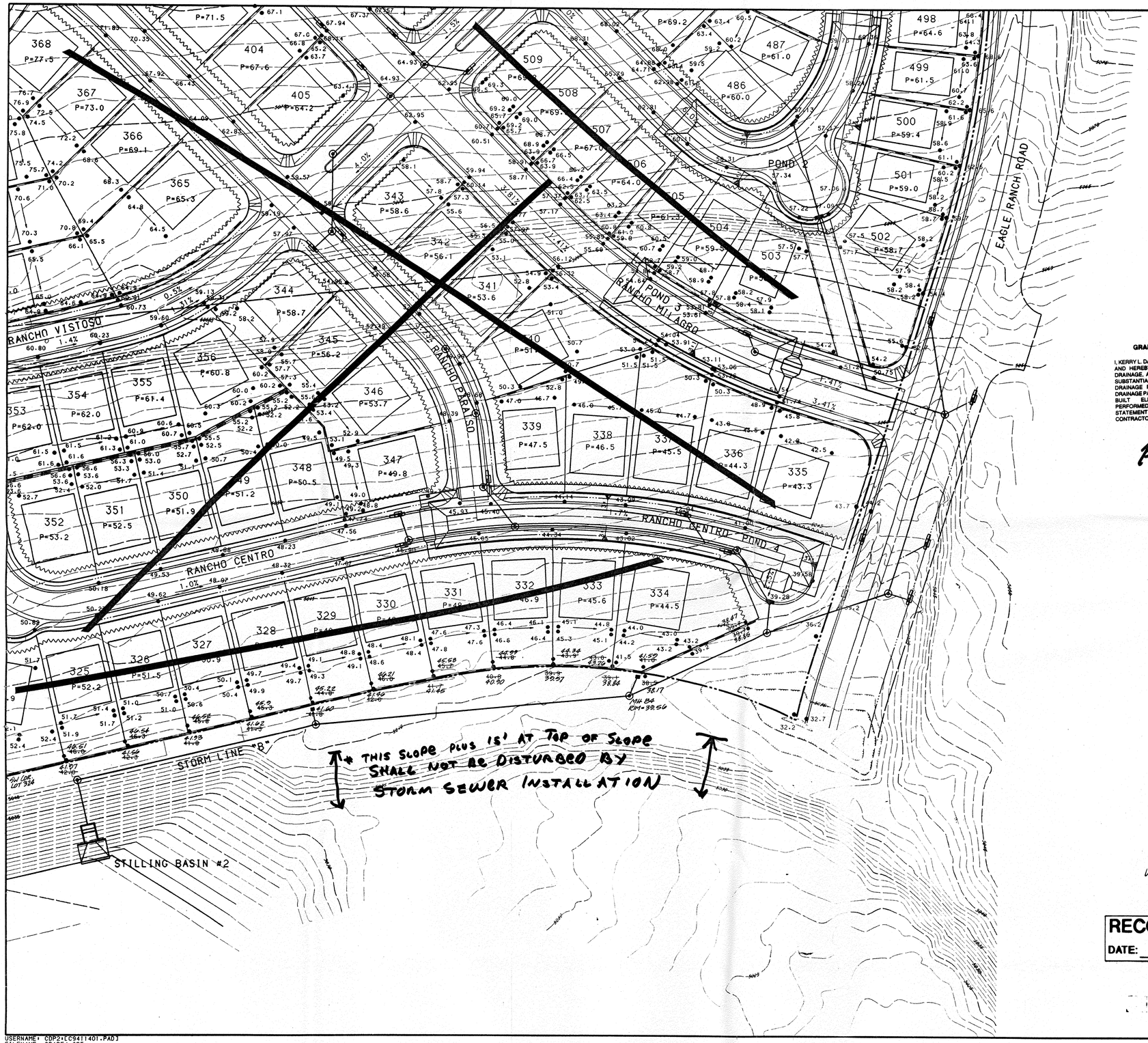
FILENAME: GRADE3.DRF

DATE:



N

SCALE: 1" = 50'

GRADING AND DRAINAGE CERTIFICATION

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KERRY L. DAVIS 9984 REGISTERED PROFESSIONAL ENGINEER

WILLIAM L. VRAZEL 8131 REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWING

DATE: 5/19/95

BHI JOB NO. C94114.01

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	⊙19.25
PROPOSED SPOT ELEVATION	●05.70
DIRECTION OF FLOW	S=2.564%
BASIN BOUNDARY	
EROSION CONTROL BERM	
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	
STREET FLOW	Q_s=5.0CFS
PIPE FLOW	Q_p=5.0CFS
SHEET FLOW	Q=5.5CFS

*ALL FLOWS SHOWN ARE 100 YEAR EVENT

GENERAL GRADING NOTES:

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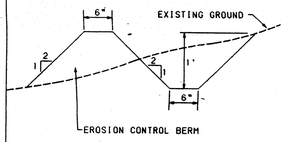

EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

JUN - 9 1995

26 | 4569.950795

NO.	DATE	REMARKS
		REVISIONS

DESIGNED BY YSJ DATE 4/94
DRAWN BY SAR DATE 4/94
CHECKED BY KLD DATE 4/94

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954". SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE.	CONTRACTOR New Concepts Inc.
	WORK STAKED BY Bell DATE 5-95
	INSPECTOR'S ACCEPTANCE BY Bell DATE 5-95
	VERIFICATION BY Bell DATE 5-95
	DRAWINGS CORRECTED BY Bell DATE 5-95
	MICRO-FILM INFORMATION
	RECORDED BY DATE
	NO. ELEV.= 5049.93

AS-BUILT INFORMATION

SURVEY INFORMATION

NO.	DATE	BY

FIELD NOTES

ENGINEER'S SEAL

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT III
FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Bachelder	7-14-94	WATER	N/A RWC	6-17-94
TRANSPORTATION	N/A CWO	6-17-94	WASTE WATER	N/A RWC	6-17-94
HYDROLOGY	J. Carter	6-17-94	A.M.A.F.C.A.		6-27-94

DRAWING NO.	MAP NO.	SHEET	OF
4569.95	C-12	7	51

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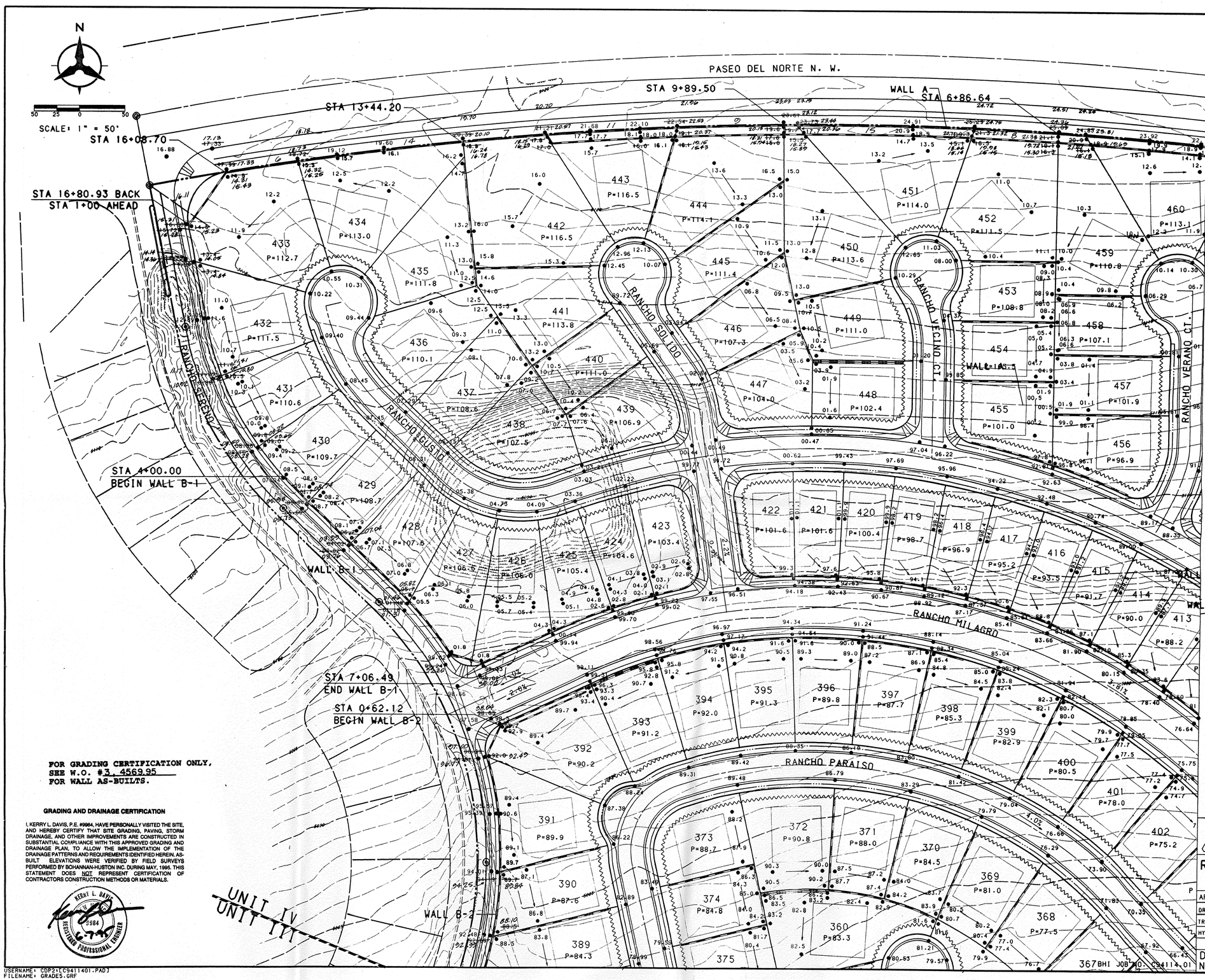

FOR GRADING CERTIFICATION ONLY,
SEE W.O. #3. 4569.95
FOR WALL AS-BUILTS.

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KERRY L. DAVIS 9984 REGISTERED PROFESSIONAL ENGINEER 6-7-95

USERNAME: CDP2:[C9411401.PADJ
FILENAME: GRADE5.ORF

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	⊙19.25
PROPOSED SPOT ELEVATION	●05.70
DIRECTION OF FLOW	S=2.56%
BASIN BOUNDARY	
EROSION CONTROL BERM	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
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PROPOSED STORM DRAIN MANHOLE	
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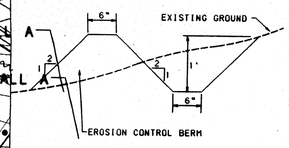


EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

WILLIAM L. VREELAND 8131 REGISTERED PROFESSIONAL ENGINEER 5/12/95

RECORD DRAWING
Perimeter Wall Only
DATE: 5/12/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT III
FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Brady Jr.		WATER	N/A	RWK 6-17-94
TRANSPORTATION	N/A	RHO 6-17-94	WASTE WATER	N/A	RWK 6-17-94
HYDROLOGY	Austin	6-17-94	A.M.A.F.C.A.	N/A	JR 6-17-94

DRAWING NO.	MAP NO.	SHEET	OF
4569.95	C-12	8	51

DATE: JUN - 9 1995

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4569.950895

AS-BUILT INFORMATION
CONTRACTOR New Concepts Inc.

BENCH MARKS	
STAKED BY	BH
INSPECTOR'S CHANGE BY	BH DATE 5/95
FIELD VERIFICATION BY	BH DATE 5/95
AS-BUILT CORRECTED BY	BH DATE 5/95
INTERSECTION OF CENTRAL AVE. AND STATE RD. 448. GO NORTH ON STATE RD. 448. 0.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE.	MICRO-FILM INFORMATION RECORDED BY DATE NO. ELEV.= 5049.93

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 0.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

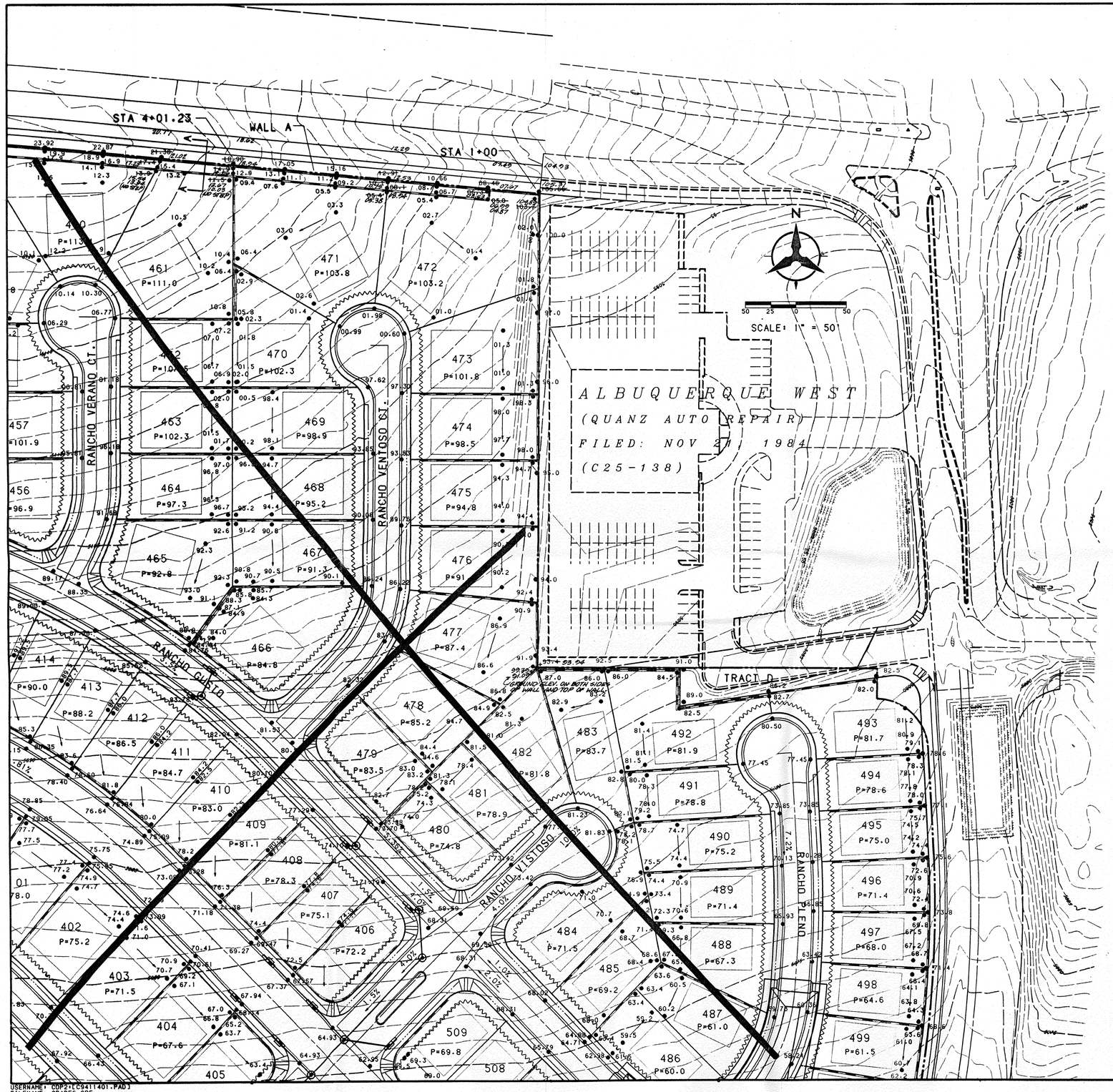
SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL
KERRY L. DAVIS 9984 REGISTERED PROFESSIONAL ENGINEER 6-7-94

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY	MSJ	DATE 4/94
DRAWN BY	SAR	DATE 4/94
CHECKED BY	KLD	DATE 4/94



LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	⊙19.25
PROPOSED SPOT ELEVATION	●05.70
DIRECTION OF FLOW	S=2.564%
BASIN BOUNDARY	
EROSION CONTROL BERM	
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	
STREET FLOW	Q_4=5.0CFS
PIPE FLOW	Q_p=5.0CFS
SHEET FLOW	Q=5.5CFS

*ALL FLOWS SHOWN ARE 100 YEAR EVENT

GENERAL GRADING NOTES:

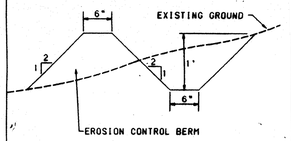
1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE. ENVIRONMENTAL HEALTH DIV., PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES, DATED JUNE 16, 1993 AND SUPPLIED BY THE OWNER.

3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPOSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS, PERMITS AND APPROVALS.

EROSION CONTROL PLAN:

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING.



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

WILLIAM L. VREELAND, NEW MEXICO, 8131, REGISTERED PROFESSIONAL ENGINEER, 5/18/95

RECORD DRAWING
Perimeter Wall Pavement Only
DATE: 5/18/95

FOR GRADING CERTIFICATION ONLY, SEE W.O. #3. 4569.95
FOR WALL AS-BUILTS.

GRADING AND DRAINAGE CERTIFICATION

I, KERRY L. DAVIS, P.E. #9984, HAVE PERSONALLY VISITED THE SITE, AND HEREBY CERTIFY THAT SITE GRADING, PAVING, STORM DRAINAGE, AND OTHER IMPROVEMENTS ARE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS APPROVED GRADING AND DRAINAGE PLAN, TO ALLOW THE IMPLEMENTATION OF THE DRAINAGE PATTERNS AND REQUIREMENTS IDENTIFIED HEREIN. AS-BUILT ELEVATIONS WERE VERIFIED BY FIELD SURVEYS PERFORMED BY BOHANNAN-HUSTON INC. DURING MAY, 1995. THIS STATEMENT DOES NOT REPRESENT CERTIFICATION OF CONTRACTORS CONSTRUCTION METHODS OR MATERIALS.

KERRY L. DAVIS, NEW MEXICO, 9984, REGISTERED PROFESSIONAL ENGINEER, 7-14-94

BHI JOB NO. C94114.01

AS-BUILT INFORMATION
CONTRACTOR New Concepts Inc.
WORK STAKED BY Ball DATE 6/6/95
WORK INSPECTED ACCEPTANCE BY Ball DATE 6/6/95
FIELD VERIFICATION BY Ball DATE 6/6/95
DRAWINGS CORRECTED BY Ball DATE 6/6/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KERRY L. DAVIS, NEW MEXICO, 9984, REGISTERED PROFESSIONAL ENGINEER, 7-14-94

REMARKS
REVISIONS
NO. DATE BY
1 DESIGN DATE 4/94
DESIGNED BY HSJ
DRAWN BY SAR DATE 4/94
CHECKED BY KLD DATE 4/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT III
FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		7-14-94	WATER	N/A	6-17-94
TRANSPORTATION	N/A	6-17-94	WASTE WATER	N/A	6-17-94
HYDROLOGY		6-17-94	A.M.A.F.C.A.	N/A	

DRAWING NO. 4569.95 | MAP NO. C-12 | SHEET 9 OF 51

USERNAME: CDP2:[C9411401.PAD]
FILENAME: GRADE6.GRF

DATE: JUN - 9 1995

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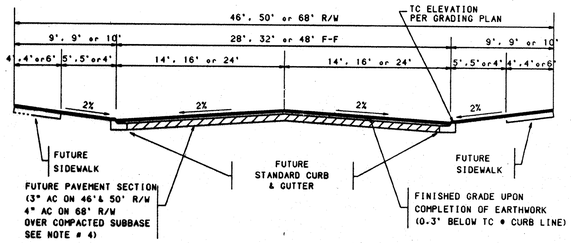
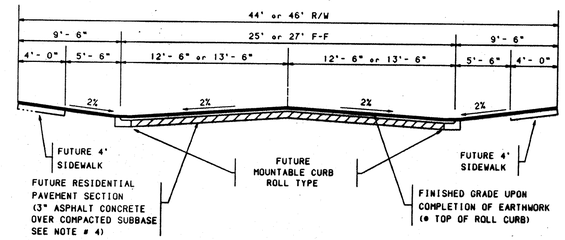
26 4569.950995



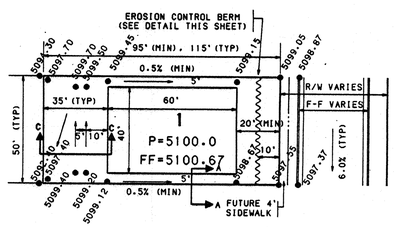
TYPICAL STREET SECTION #1 (STD CURB)

NO SCALE



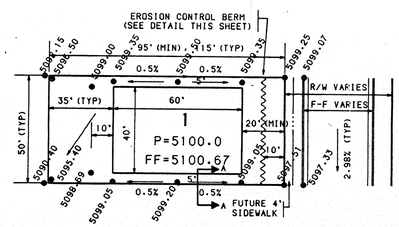
TYPICAL STREET SECTION #2 (ROLL CURB)

NO SCALE



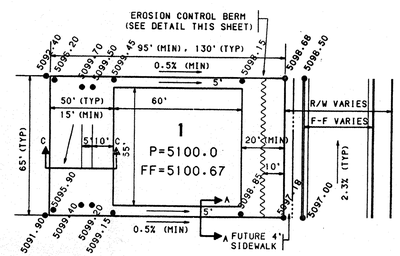
TYPICAL LOT GRADING PLAN

NO SCALE
(TYPICAL FOR SPLIT DRAINED LOTS 423-427 & 503-509)



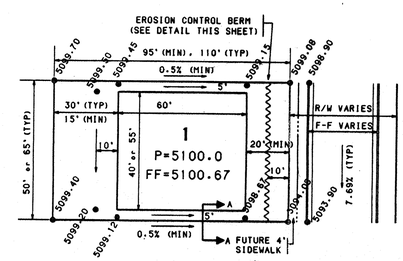
TYPICAL LOT GRADING PLAN

NO SCALE
(TYPICAL FOR SPLIT DRAINED LOTS 406-422)



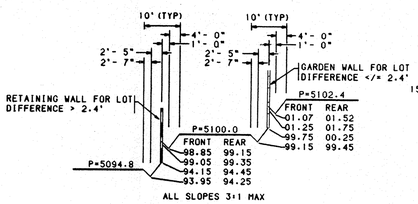
TYPICAL LOT GRADING PLAN

NO SCALE
(TYPICAL FOR ALL 65' SPLIT DRAINED LOTS)



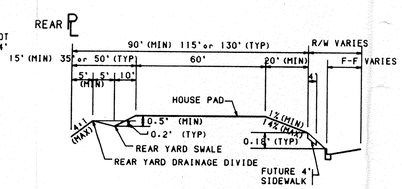
TYPICAL LOT GRADING PLAN

NO SCALE
(TYPICAL FOR ALL FRONT DRAINED LOTS)



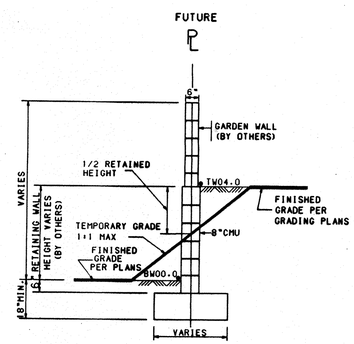
SECTION A-A
TYPICAL SIDELOT GRADING PLAN

NO SCALE
(TYPICAL FOR ALL LOTS)



SECTION C-C
TYPICAL LOT GRADING PROFILE

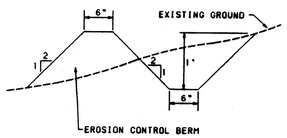
NO SCALE
(TYPICAL FOR SPLIT DRAINED LOTS)



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

TYPICAL RETAINING WALL GRADING DETAIL

NO SCALE
(RETAINAGE HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL)



EROSION CONTROL BERM

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

GENERAL GRADING NOTES:

1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE, ENVIRONMENTAL HEALTH DIV., PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES, DATED JUNE 16, 1993 AND SUPPLIED BY THE OWNER.

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, PERMITS AND APPROVALS.

4. FINISHED GRADE IN ROADWAY SECTIONS IS BASED UPON MATERIAL IMPORTED DURING EARTHWORK BEING ACCEPTABLE FOR ROADWAY SUBBASE.

EROSION CONTROL PLAN:

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING. IN ADDITION, THE CONTRACTOR SHALL RESEED ALL DISTURBED AREAS WITHIN AMAFCA'S PIEDRAS MARCADAS DAM BASIN ACCORDING TO CITY STANDARD REVEGETATION SPECIFICATIONS.

GRADING AND DRAINAGE CERTIFICATION

I, KERRY L. DAVIS, P.E. #9984, HAVE PERSONALLY VISITED THE SITE, AND HEREBY CERTIFY THAT SITE GRADING, PAVING, STORM DRAINAGE, AND OTHER IMPROVEMENTS ARE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS APPROVED GRADING AND DRAINAGE PLAN, TO ALLOW THE IMPLEMENTATION OF THE DRAINAGE PATTERNS AND REQUIREMENTS IDENTIFIED HEREIN. AS-BUILT ELEVATIONS WERE VERIFIED BY FIELD SURVEYS PERFORMED BY BOHANNAN-HUSTON INC. DURING MAY, 1995. THIS STATEMENT DOES NOT REPRESENT CERTIFICATION OF CONTRACTORS CONSTRUCTION METHODS OR MATERIALS.

KERRY L. DAVIS NEW MEXICO 9984 REGISTERED PROFESSIONAL ENGINEER 5-19-95

WILLIAM L. VAN HEMERT NEW MEXICO 8131 REGISTERED PROFESSIONAL ENGINEER 5/19/95

RECORD DRAWING
DATE: 5/19/95

APPROVED FOR ROUGH GRADING (± 1')

A.M.A.F.C.A. DATE

APPROVED FOR ROUGH GRADING (± 1')

HYDROLOGY ENGINEER DATE

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY HSJ DATE 4/94
DRAWN BY HSJ DATE 4/94
CHECKED BY KLD DATE 4/94

AS-BUILT INFORMATION
CONTRACTOR New Concepts Inc.
WORK STAKED BY Bull DATE 5/95
SURVEYS ACCEPTANCE BY Bull DATE 5/95
FIELD VERIFICATION BY Bull DATE 5/95
DRAWINGS CORRECTED BY Bull DATE 5/95
MICRO-FILM INFORMATION
RECORDED BY DATE
BK. PG.

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT III
GRADING & DRAINAGE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Lindsley	7-14-94	WATER	N/A RWK	6-17-94
TRANSPORTATION	N/A RWO	6-17-94	WASTE WATER	N/A RWK	6-17-94
HYDROLOGY	Kustin	6-17-94	A.M.A.F.C.A.		

DRAWING NO.	MAP NO.	SHEET
4569.95	C-12	10 OF 51

BHI JOB NO. C94114.01

DATE: JUN - 9 1995

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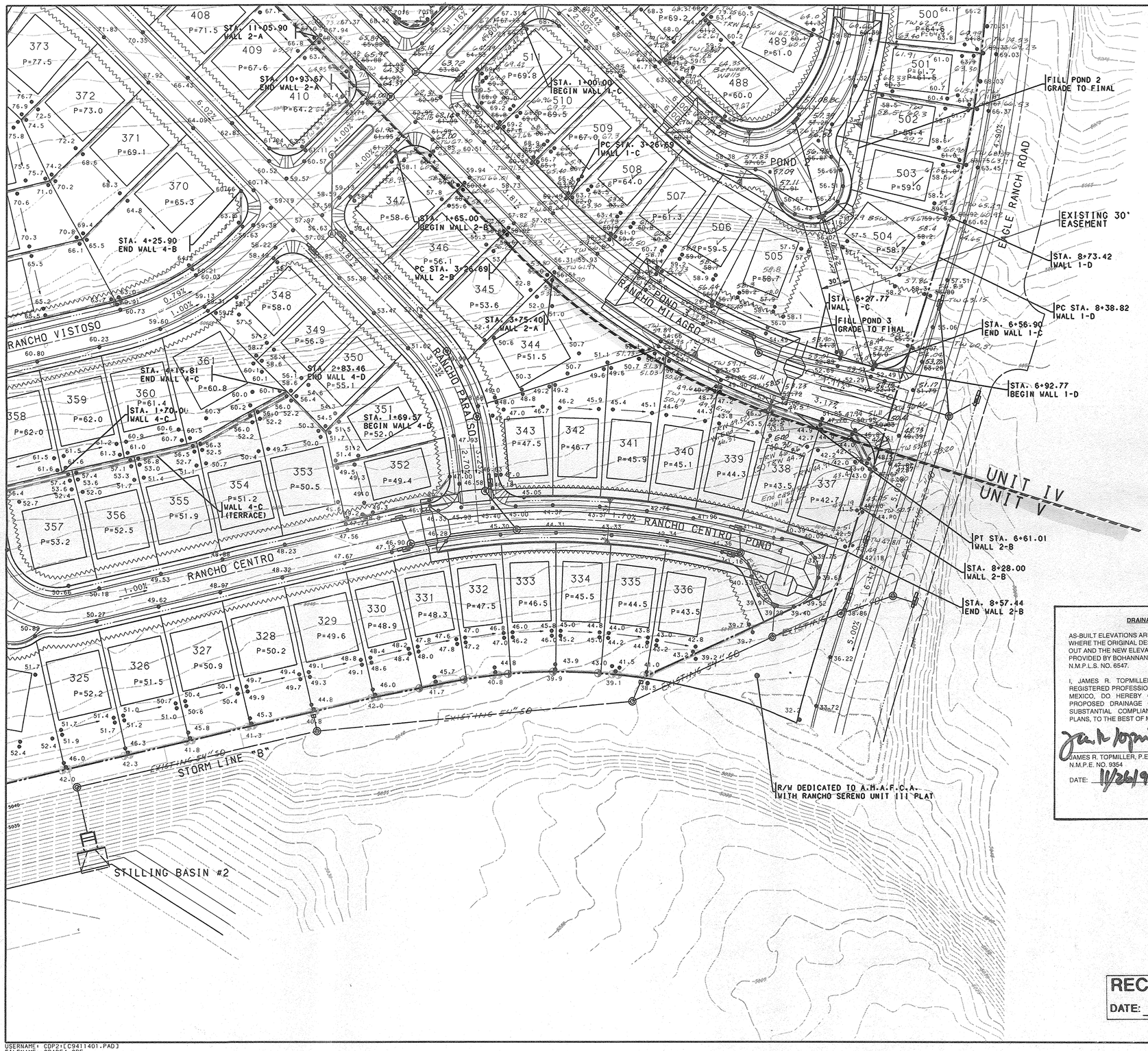


LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	45.5
PROPOSED SPOT ELEVATION	45.5
DIRECTION OF FLOW	S=2.98%
PHASE BOUNDARY	
EROSION CONTROL BERM	
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	
TURNED BLOCK LOCATION	
AS-BUILT ELEVATION (TYP)	42.06 / 40.39

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS

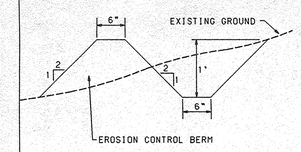
DRAINAGE CERTIFICATION

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 BOHANNAN-HUSTON INC. AND DAVID C. CLAUSEN, N.M.P.L.S. NO. 6547.

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 THE 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: 11/26/96

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

AS-BUILT INFORMATION

CONTRACTOR
SUPER-VISED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

11/1/95

NO.	DATE	REVISIONS	BY
1	11/29/95	DARKENED PROPOSED RETAINING WALLS	MSJ

DESIGNED BY	MSJ	DATE 10/95
DRAWN BY	SAR	DATE 10/95
CHECKED BY	KLO	DATE 10/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT IV
FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
~~DRC CHAIRMAN~~			~~WATER~~		
~~TRANSPORTATION~~			~~WASTE WATER~~		
~~HYDROLOGY~~			~~A.H.A.F.C.A.~~		

DRAWING NO.	MAP NO.	SHEET
4569.96	C-12	6 OF 38

RECORD DRAWING
DATE: _____

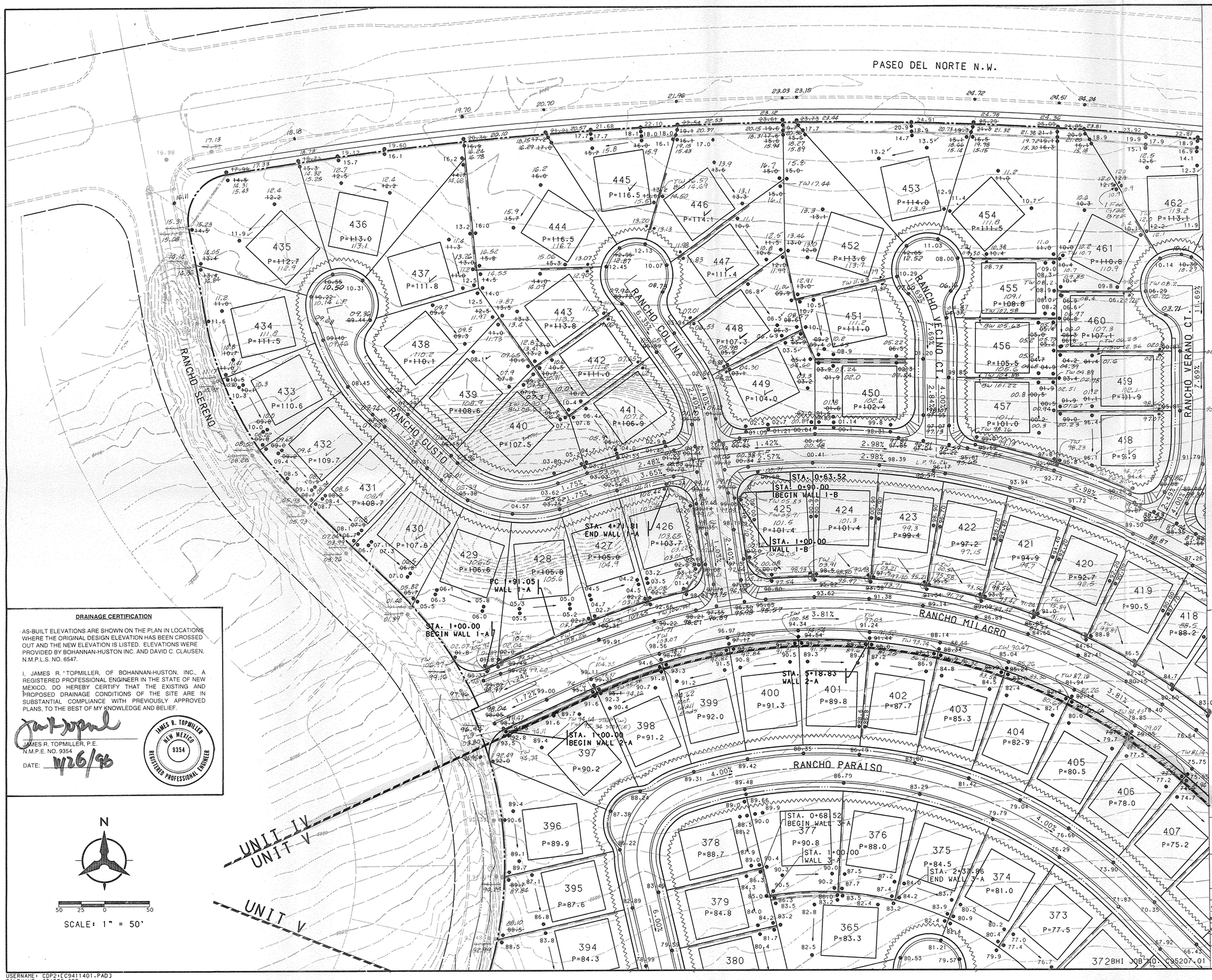
BHI JOB NO. C95207.01

USERNAME: CDP2:[C9411401.PAD]
FILENAME: GRADE4.GRF

DATE:

~~FOR INFORMATION ONLY~~

Certification dated 11/26/96



LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	45.5
PROPOSED SPOT ELEVATION	45.5
DIRECTION OF FLOW	S=2.98%
PHASE BOUNDARY	
EROSION CONTROL BERM	
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	
TURNED BLOCK LOCATION	
AS-BUILT ELEVATION (TYP)	10.35 / 10.40

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS

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

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV. = 5049.93

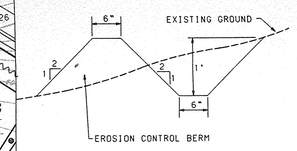
SURVEY INFORMATION

NO.	BY	DATE

FIELD NOTES

ENGINEER'S SEAL

1/1/95



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

RECORD DRAWING

DATE:

NO.	DATE	REMARKS	BY
1	11/29/95	DARKENED PROPOSED RETAINING WALLS	MSJ

REVISIONS

DESIGNED BY	MSJ	DATE 10/95
DRAWN BY	SAR	DATE 10/95
CHECKED BY	KLD	DATE 10/95

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 BOHANNAN-HUSTON INC. AND DAVID C. CLAUSEN, N.M.P.L.S. NO. 6547.

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 THE 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: 11/26/95

JAMES R. TOPMILLER — NEW MEXICO — 9354 — REGISTERED PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT IV
FINAL GRADING & DRAINAGE PLAN

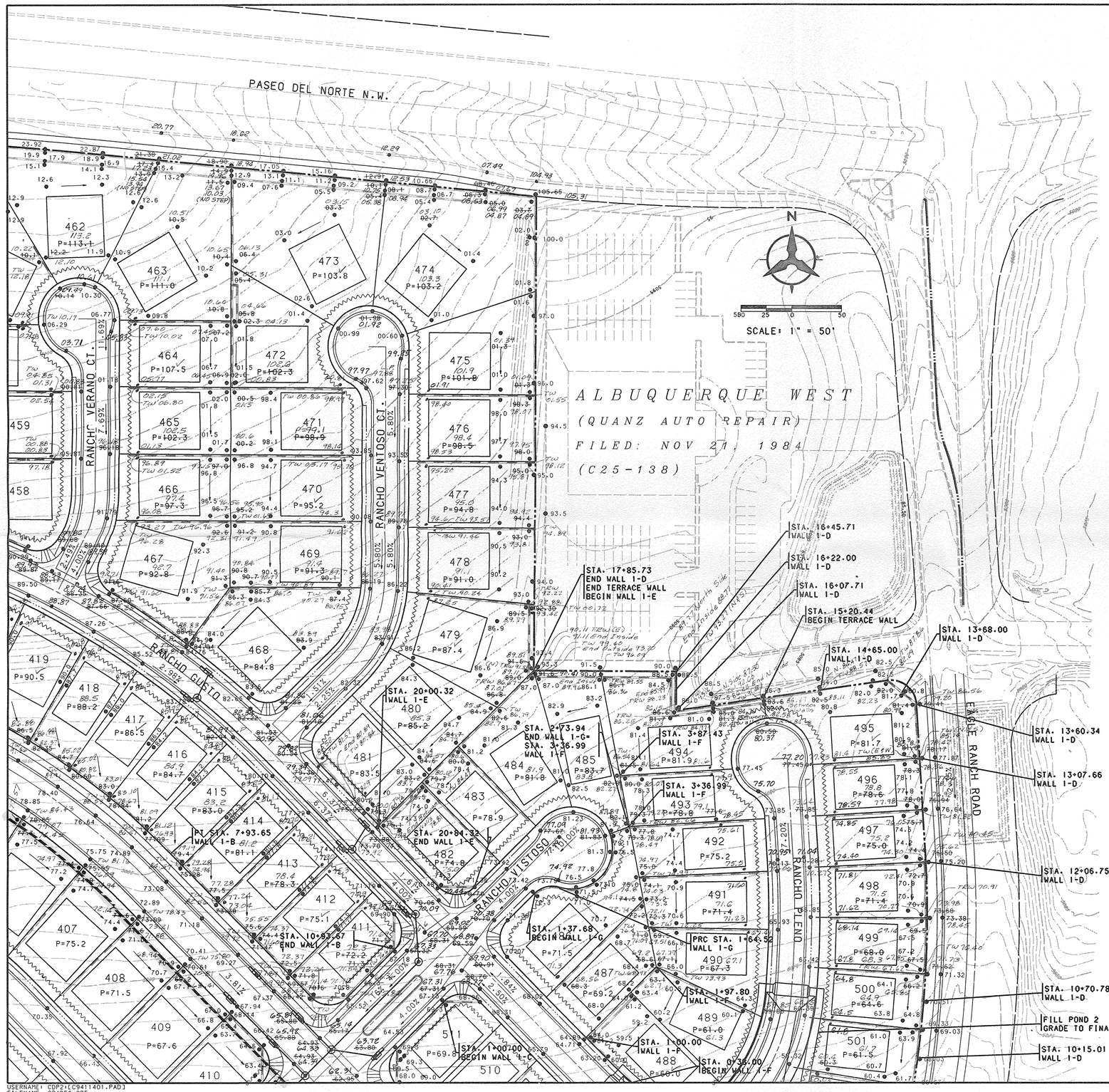
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			PARKS & R.O.W.		

DRAWING NO.	MAP NO.	SHEET	OF
4569.96	C-12	7	38

USERNAME: CDP2(C9411401.PAD)
FILENAME: GRADE5.GRF

DATE:

~~FOR INFORMATION ONLY~~



LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	45.5
PROPOSED SPOT ELEVATION	45.5
DIRECTION OF FLOW	S=2.98%
PHASE BOUNDARY	
EROSION CONTROL BERM	
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	
TURNED BLOCK LOCATION	
AS-BUILT ELEVATION (TYP.)	72.11 / ~~73.08~~

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS

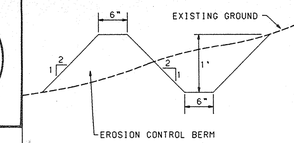
DRAINAGE CERTIFICATION

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 BOHANNAN-HUSTON INC. AND DAVID C. CLAUSEN, N.M.P.L.S. NO. 6547.

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 THE 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: 11/26/96

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

RECORD DRAWING

DATE: _____

BHI JOB NO. C95207.01

NO.	DATE	REMARKS	BY
1	11/29/95	DARKENED PROPOSED RETAINING WALLS	MSJ

REVISIONS

DESIGNED BY	MSJ	DATE 10/95
DRAWN BY	SAR	DATE 10/95
CHECKED BY	KLD	DATE 10/95

ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.=5049.93

AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
STAKING CHECKED BY — DATE
ACCEPTANCE BY
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT IV
FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
~~DRC CHAIRMAN~~			WATER		
~~TRANSPORTATION~~			~~WASTE WATER~~		
~~HYDROLOGY~~			~~A.M.A.F.C.A.~~		

DRAWING NO.	MAP NO.	SHEET	OF
4569.96	C-12	8	38

DATE:

~~FOR INFORMATION ONLY~~

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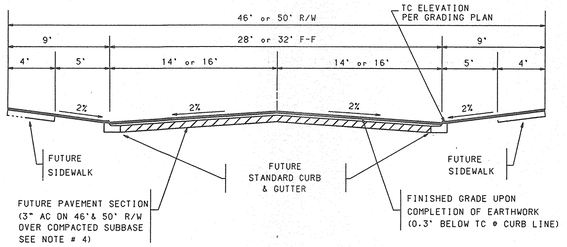
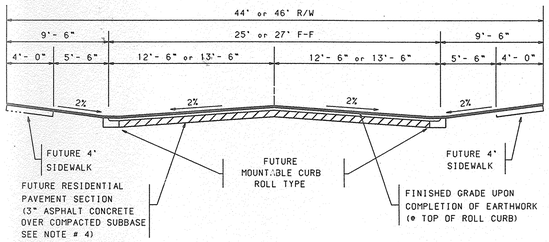
FILENAME: GRADE6.GRF



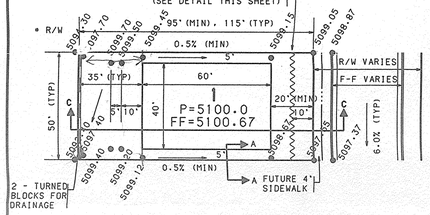
TYPICAL STREET SECTION #1 (STD CURB)

NO SCALE



TYPICAL STREET SECTION #2 (ROLL CURB)

NO SCALE

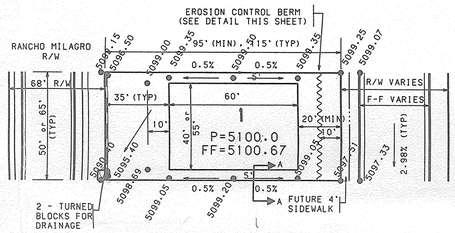


TYPICAL LOT GRADING PLAN

NO SCALE

(TYPICAL FOR SPLIT DRAINED LOTS 330-336 & 505-511)

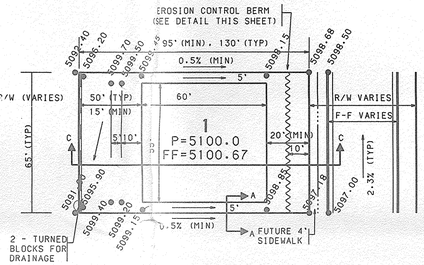
* RANCHO MILAGRO R/W FOR LOTS 505-511
A.M.A.F.C.A. R/W FOR LOTS 330-336



TYPICAL LOT GRADING PLAN

NO SCALE

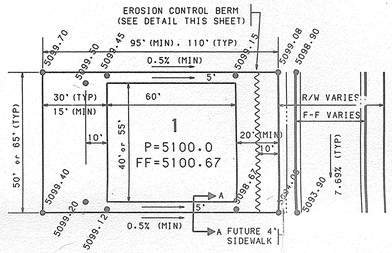
(TYPICAL FOR SPLIT DRAINED LOTS 411-425)



TYPICAL LOT GRADING PLAN

NO SCALE

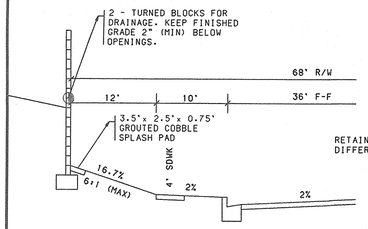
(TYPICAL FOR ALL OTHER 65' SPLIT DRAINED LOTS)



TYPICAL LOT GRADING PLAN

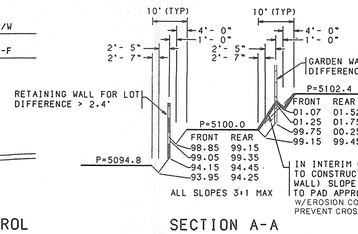
NO SCALE

(TYPICAL FOR ALL FRONT DRAINED LOTS)



RANCHO MILAGRO EROSION CONTROL DETAIL FOR REAR YARD FLOWS

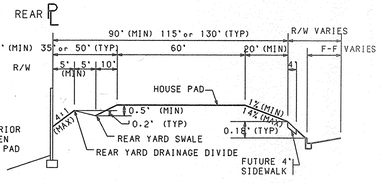
NO SCALE



SECTION A-A
TYPICAL SIDELOT GRADING PLAN

NO SCALE

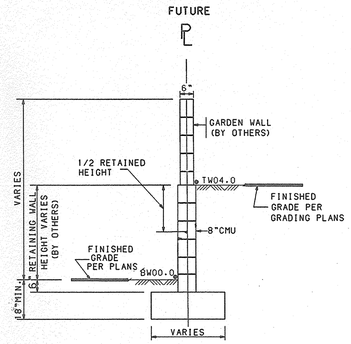
(TYPICAL FOR ALL LOTS)



SECTION C-C
TYPICAL LOT GRADING PROFILE

NO SCALE

(TYPICAL FOR SPLIT DRAINED LOTS)

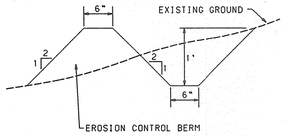


TW=FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL
BW=FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL

TYPICAL RETAINING WALL GRADING DETAIL

NO SCALE

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



EROSION CONTROL BERM

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

BHI JOB NO. C95207.01

GENERAL GRADING NOTES:

1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE. ENVIRONMENTAL HEALTH DIV., PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES, DATED JUNE 16, 1993 AND SUPPLIED BY THE OWNER.

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, PERMITS AND APPROVALS.

4. FINISHED GRADE IN ROADWAY SECTIONS IS BASED UPON MATERIAL IMPORTED DURING EARTHWORK BEING ACCEPTABLE FOR ROADWAY SUBBASE.

EROSION CONTROL PLAN:

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING. ALL EXCESS DISTURBED AREAS MUST BE SEEDED PER C.O.A. SPECIFICATION SECTION 1012.

AS-BUILT INFORMATION

CONTRACTOR
STAKED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS
1	11/29/95	REVISED SECTION A-A AND TYPICAL RETAINING WALL GRADING DETAIL

REVISIONS

DESIGNED BY MSJ DATE 10/95
DRAWN BY MSJ DATE 10/95
CHECKED BY KLD DATE 10/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT IV
GRADING & DRAINAGE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION	N/A RHO	11.29.95	WASTE WATER		
HYDROLOGY			A.M.A.F.C.A.		

DRAWING NO.	MAP NO.	SHEET
4569.96	C-12	9 OF 38

DATE:

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