



County of Bernalillo

State of New Mexico

2400 BROADWAY, S.E.
ALBUQUERQUE, NEW MEXICO 87102
PUBLIC WORKS (505) 848-1500

BOARD OF COUNTY COMMISSIONERS

ALBERT "AL" VALDEZ, CHAIRMAN
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EUGENE M. GILBERT, MEMBER
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THOMAS J. MESSALL, PROBATE JUDGE

JOE BOWDICH, SHERIFF

H. R. FINE, TREASURER

December 22, 1995

Don Dixon
Resource Technology, Inc.
2129 Osuna NE, Suite 200
Albuquerque, New Mexico 87113

RE: ENGINEER'S CERTIFICATION FOR LOTS 23 AND 24, BLOCK 14, TRACT 2, UNIT 1,
NAA, (C22/D34) (PWD 93-69) ENGINEER'S STAMP DATED 2/4/94 AND 9/12/94.

Dear Mr. Dixon:

The Engineer's Certification for the above referenced Lots are acceptable for Certificate of Occupancy Release. Thank you for providing this information for my files.

If you have any questions, or if I may be of further assistance to you, please call me.

Sincerely,

A handwritten signature in cursive script, reading "Susan Calongne".

Susan M. Calongne, P.E.
City/County Floodplain Administrator

c: Roger Paul, County Public Works
File



County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102
ADMINISTRATION (505) 768-4000
COMMISSION (505) 768-4217
FAX (505) 768-4329

April 21, 1993

BOARD OF COUNTY COMMISSIONERS

PATRICK J. BACA, CHAIRMAN
DISTRICT 1

JACQUELYN SCHAEFER, VICE CHAIR
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JUDY D. WOODWARD, CLERK

THOMAS J. MESSALL, PROBATE JUDGE

RAY GALLAGHER, SHERIFF

H. R. FINE, TREASURER

Don Dixon, P.E.
Resource Technology Inc.
2129 Osuna NE
Albuquerque, NM 87113

RE: DRAINAGE REPORT FOR LOTS 7, 23 AND 24, TRACT 2, UNIT 1, N.A.A.
(C22-D34), ENGINEER'S STAMP DATED APRIL 12, 1993

Dear Mr. Dixon:

Based on the information provided on the referenced submittal received April 14, 1993, the plan is acceptable for Building Permit release.

Please be advised that due to the complexity on the construction of the foundation system, an Engineer's Certification that the site was built in substantial compliance with the approved plan must be submitted and approved by this office prior to the County Building Department performing their foundation inspection.

If you should have any questions, please do not hesitate to contact me.

Cordially,

A handwritten signature in cursive script, reading "Gilbert Aldaz".

Gilbert Aldaz, P.E. & P.S.
County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, County PWD
Tom Burlison, County Building Dept.
Rogan Thompson, Owner
File

wp+7420

LOT 11

LOT 10

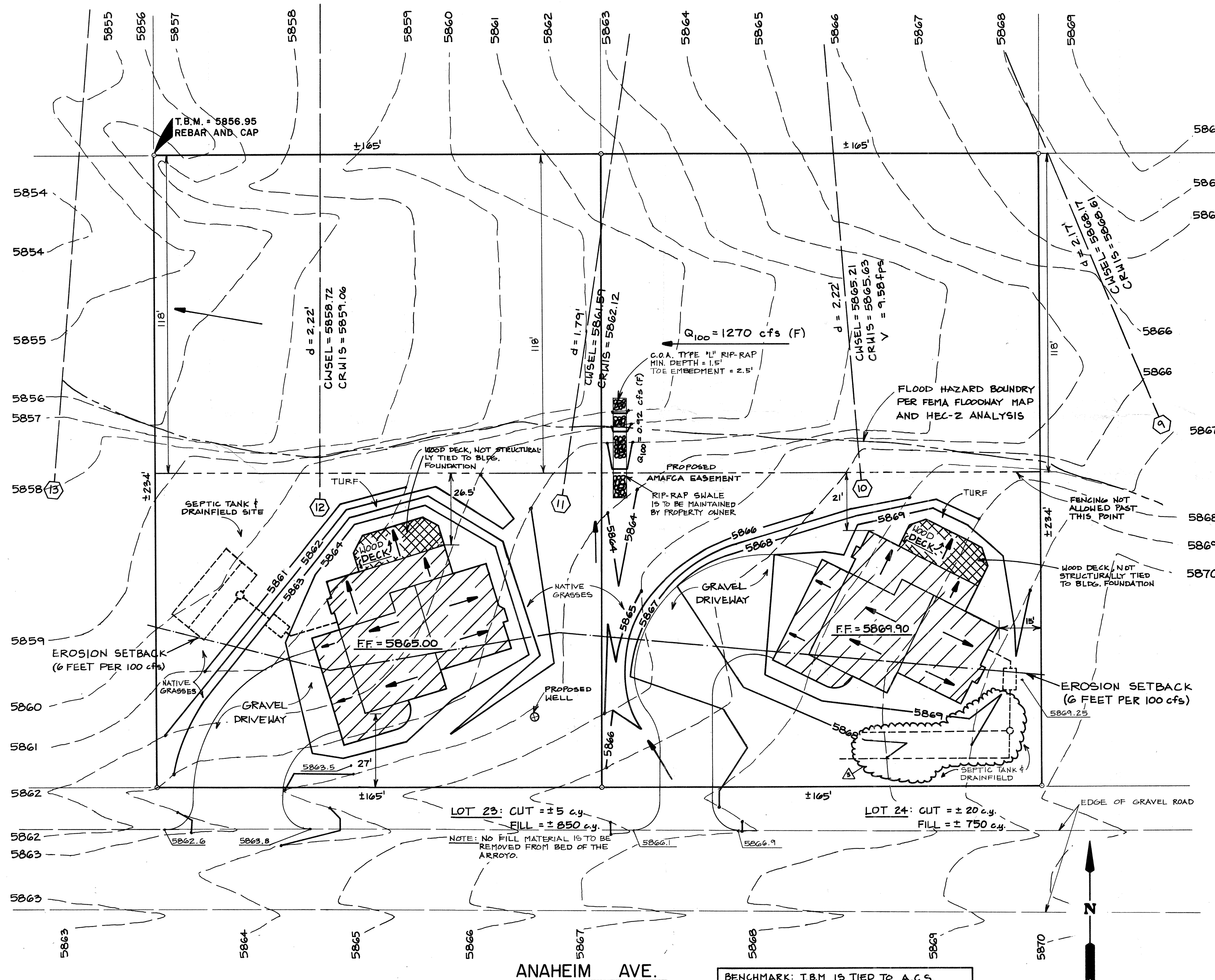
LOT 9

LOT 8

LOT 7

LOT 22

LOT 25



ARROYO FLOWS:

1981 FEMA FLOODPLAIN STUDY, $Q_{100} = 1020$ cfs
 1991 AMAFCA NDB & SDB DRAINAGE MANAGEMENT PLAN
 EXISTING: $Q_{100} = 966$ cfs
 FUTURE: $Q_{100} = 1601$ cfs (ASSUMED DIVERSIONS FROM LA CUEVA ARROYO)

THIS STUDY
 FUTURE (NO DIVERSION FROM LA CUEVA)
 @ LOT 23 & 24
 $Q_{100} = 1270$ cfs
 @ LOT 7
 $Q_{100} = 1065$ cfs
 FOR CALCULATIONS, SEE DRAINAGE FILE

NOTE:

PIER SUPPORTED POST-TENSIONED SLAB IS REQUIRED FOR LOTS 23 AND 24. PIERS SHALL EXTEND TO A DEPTH OF 22-FEET BELOW FINISHED FLOOR FOR BOTH LOTS 23 AND 24, WITH 4-#8 REBARS EXTENDING INTO THE SLAB. THE REQUIREMENTS ARE IN ADDITION TO OTHER STRUCTURAL REQUIREMENTS NOTED ON THE FOUNDATION PLAN. DRAINAGE ENGINEER SHALL BE NOTIFIED ONE (1) DAY PRIOR TO POURING CONCRETE FOR PIERS. ENGINEERS CERTIFICATION OF DEPTH REQUIREMENTS FOR PIERS IS REQUIRED. SEE SHEET 3 FOR PIER PROFILE.

Topographic survey performed 10/30/92 by Resource Technology, Inc. I hereby certify, based on personal inspection, that site conditions shown on this plan reflect actual conditions as of that date.

12/16/92
 2/11/93
 4/12/93

NO.	DATE	REVISIONS	BY	CHKD
1	1/12/93	PER CITY, COUNTY, A.M.A.F.C.A. COMMENTS	G.C.	DD
2	2/11/93	PER CITY, COUNTY, A.M.A.F.C.A. COMMENTS	G.C.	DD
3	1/7/93	PER CITY, COUNTY, A.M.A.F.C.A. COMMENTS	G.C.	DD

LOTS 7, 23, AND 24
 BLOCK 14, TRACT 2, UNIT 1
 NORTH ALBUQUERQUE ACRES
 GRADING AND DRAINAGE PLAN

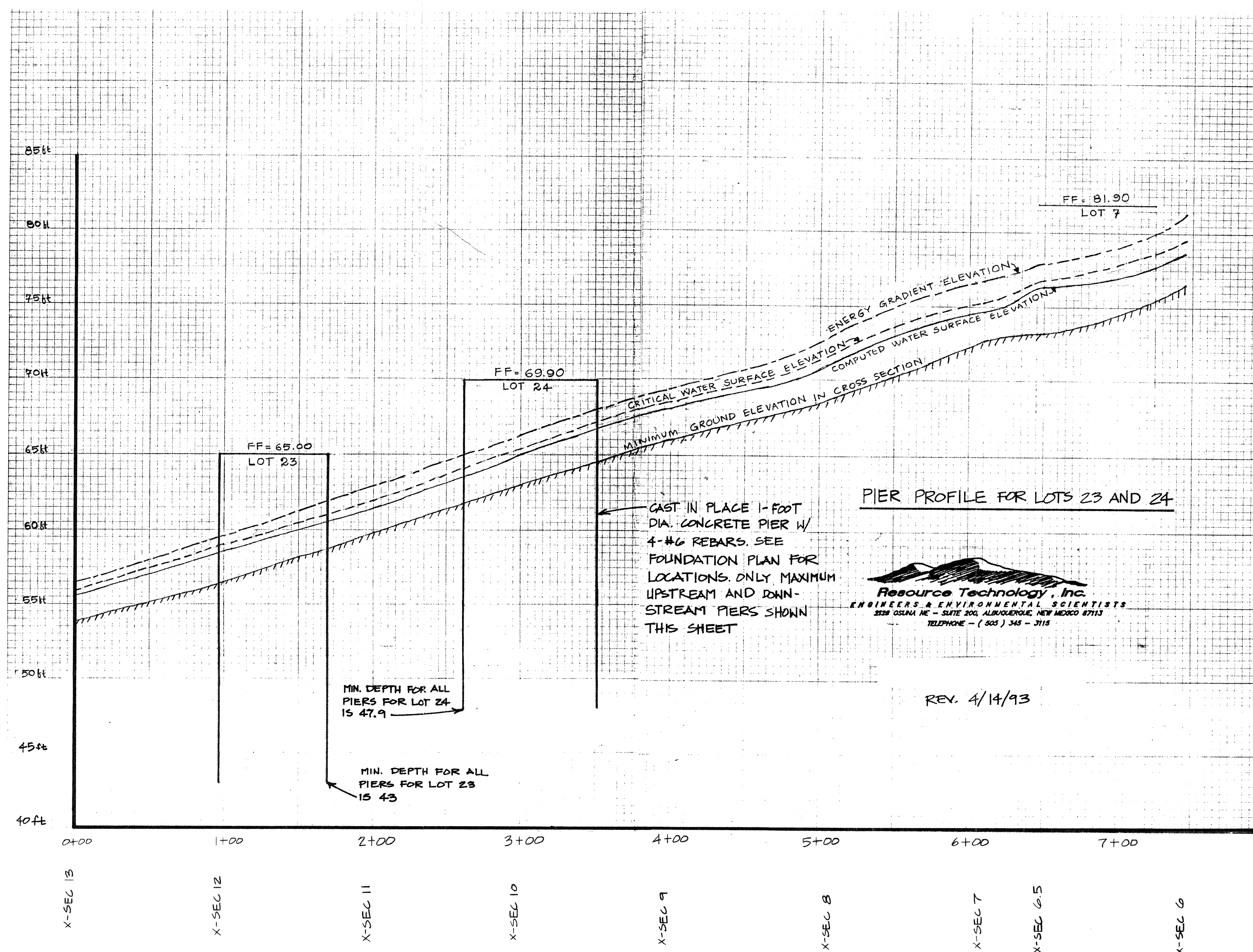
Resource Technology, Inc.
 ENGINEERS & ENVIRONMENTAL SCIENTISTS
 3120 COLUMBIA AVE. - SUITE 300, ALBUQUERQUE, NEW MEXICO 87113
 TELEPHONE - (505) 345-3110

JOB NO.
 92 - 380
 SHEET NO.
 2 of 3

DESIGNED BY: DD DRAWN BY: GC CHECKED BY: ED DATE: DEC. 1992

BENCHMARK: T.B.M. IS TIED TO A.C.S. CONTROL CAP STAMPED "2-C21-1985" TRIGONOMETRIC ELEVATION OF 5834.1. LOCATED AT THE INTERSECTION OF PASEO DEL NORTE AVE AND BROWNING ST.

SCALE 1" = 20'
 0 20 40 60



PIER PROFILE FOR LOTS 23 AND 24
 SCALE 1" = 50' H
 1" = 5' V

PIER PROFILE FOR LOTS 23 AND 24

Resource Technology, Inc.
 ENGINEERS & ENVIRONMENTAL SCIENTISTS
 2129 OSUNA NE - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
 TELEPHONE - (505) 345-3115

REV. 4/14/93

Donald Ship
 4/14/93

NO.	DATE	REVISIONS	BY	CHKD

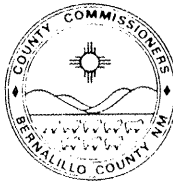
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GRADING AND DRAINAGE PLAN

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 2129 OSUNA NE - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
 TELEPHONE - (505) 345-3115

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SHEET NO.
3 of 3

DESIGNED BY: **DD** DRAWN BY: **GC** CHECKED BY: **ED** DATE: **DEC. 1992**



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County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102

ADMINISTRATION (505) 768-4000

COMMISSION (505) 768-4217

FAX (505) 768-4329

February 23, 1993

RAY GALLAGHER, SHERIFF

PATRICK J. PADILLA, TREASURER

GLADYS M. DAVIS, CLERK

MARK J. CARRILLO, ASSESSOR

THOMAS J. MESCALL, PROBATE JUDGE

Don Dixon, P.E.
Resource Technology Inc.
2129 Osuna NE
Albuquerque, NM 87113

RE: DRAINAGE REPORT FOR LOTS 7, 23 AND 24, TRACT 2, UNIT 1, N.A.A.,
(C22-D34) RECEIVED FEBRUARY 12, 1993 FOR BUILDING PERMIT APPROVAL

Dear Mr. Dixon:

Based on the information provided, kindly submit the following prior to release of Building Permit by this office:

1. It appears that the profile provided shows that the piers do not have enough depth for lateral and vertical structural stability ONCE SCOUR HAS OCCURRED, particularly for the piers along the west end of the structure.
2. Berms along the south side of lots 23 and 24 remain on the plan. The berms are not allowed because they block historic flows and create diversions. Are the pads high enough that they will not be impacted from street flooding during a 100-year storm, particularly the pad on lot 23?
3. On your response regarding the deck for lot 7, you need to include a note on this plan that the deck will not be structurally connected to the main portion of the house. This should also be reflected on the Building Permit plans.

Don Dixon
Page 2

These comments include AMAFCA's and County Public Works review. If you should have any questions, please do not hesitate to contact me.

Cordially,

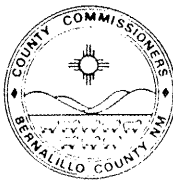
A handwritten signature in cursive script, reading "Gilbert Aldaz".

Gilbert Aldaz, P.E. & P.S.
County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, County PWD
Tom Burlison, County Building Dept.

File

wp+7420



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County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102

ADMINISTRATION (505) 768-4000

COMMISSION (505) 768-4217

FAX (505) 768-4329

February 5, 1993

RAY GALLAGHER, SHERIFF

PATRICK J. PADILLA, TREASURER

GLADYS M. DAVIS, CLERK

MARK J. CARRILLO, ASSESSOR

THOMAS J. MESCALL, PROBATE JUDGE

Don Dixon, P.E.
Resource Technology Inc.
2129 Osuna NE
Albuquerque, NM 87113

RE: DRAINAGE REPORT FOR LOTS 7, 23 AND 24, TRACT 2, UNIT 1, N.A.A.,
RECEIVED JANUARY 8, 1993 FOR BUILDING PERMIT APPROVAL

Dear Mr. Dixon:

Based on the information provided, kindly submit the following prior to release of Building Permits by this office:

1. It appears that the profile provided shows that the piers do not have enough depth for lateral and vertical structural stability once scour has occurred, particularly for the piers along the west end of the structure.
2. Is the ground elevation profile along the center of the channel? If so, please label.
3. If you are proposing not using culverts for the roadside ditches, keep in mind that if the design storm presently enters this property, it must continue to be accepted onto this property.
4. The septic system does not appear to meet the 25 foot setback requirement from the arroyo as required by the liquid waste ordinance for lot 23.

Don Dixon, P.E.
Page 2

5. It appears that a portion of the structure in lot 7 is within the erosion limit, We don't believe that turf will provide the erosion stabilization for this structure.

These comments include AMAFCA's and County Public Works review. If you should have any questions, please do not hesitate to contact me.

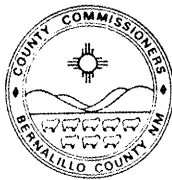
Cordially,



Gilbert Aldaz, P.E. & P.S.
County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, County PWD
Jeffrey L. Peterson, Environmental Health
Tom Burlison, County Building Dept.

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State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102

ADMINISTRATION (505) 768-4000

COMMISSION (505) 768-4217

FAX (505) 768-4329

January 4, 1992

RAY GALLAGHER, SHERIFF

PATRICK J. PADILLA, TREASURER

GLADYS M. DAVIS, CLERK

MARK J. CARRILLO, ASSESSOR

THOMAS J. MESCALL, PROBATE JUDGE

Don Dixon, P.E.
Resource Technology Inc.
2129 Osuna NE
Albuquerque, NM 87113

RE: DRAINAGE REPORT FOR LOTS 7, 23 AND 24, TRACT 2, UNIT 1, N.A.A.,
RECEIVED DECEMBER 16, 1992 FOR BUILDING PERMIT APPROVAL

Dear Mr. Dixon:

Based on the information provided, kindly submit the following prior to release of Building Permits by this office:


1. This is an area with high sheetflow potential. Are the buildings of sufficient elevation to protect from this hazard?
2. How will slopes be protected adjacent to the building pads?
3. Where will the fill dirt be obtained to build up the pads?
4. Who will maintain the riprap swales between the lot lines? If the riprap swale is to be placed between lots than a private drainage easement should be provided for the benefit of both private property owners.
5. Will flows be concentrated in the southwest corner of lot 23 and discharged onto lot 22?
6. Show a profile of the arroyo that includes the channel water surface, critical depth, energy grade, finish floor, depth of piers and etc.
7. Include foundation plans for the piers, these plans should be certified by an Engineer.

Ron Dixon, P.E.
Resource Technology, Inc.
2129 Osuna NE
Albuquerque, NM 87113
Page 2

8. Show edge of maintained roadway on the plan.
9. Extend driveway to edge of roadway and show the connection.
10. Will a culvert be required for the swale along the roadway? If so, then provide hydrology and hydraulics with details of the culvert layout.
11. Show layout of septic tank and leach field on the plan.
12. Submit copy of approved variance for front yard setback of Lot 7.

These comments include AMAFCA's and County Public Works review. If you should have any questions, please do not hesitate to contact me.

Cordially,



Gilbert Aldaz, P.E. & P.S.
County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, County PWD

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