MonisCty Fair Howing v. Bookton

Deposition of aller J. Drosdne

density and intensity of land use

MLCCO416G

MORRIS COUNTY FAIR HOUSING : COUNCIL, et. al. : Plaintiffs DEPOSITION OF: : VS. ALLEN J. DRESDNER BOONION TOWNSHIP, et. al. : Defendants Monday, January 7, 1980 Summit, New Jersey A P P E A R A N C E S: KENNEIH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG SC ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	i		SUPERIOR COURT OF NEW JERSEY LAW DIVISION-MORRIS COUNTY-
COUNCIL, et. al Plaintiffs DEPOSITION OF: NS. ALLEN J. DRESDNER BOONTON TOWNSHIP, et. al Defendants Monday, January 7, 1980 Summit, New Jersey A PPE ARAN CES: KENNEIH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter REPORTING Services Arranged Through: ROSENBERG SC ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	2		DOCKET NO. L-8001-77-PW
Plaintiffs DEPOSITION OF: 1. S. ALLEN J. DRESDNER 2. BOONTON TOWNSHIP, et. al. 3. Defendants Monday, January 7, 1980 Summit, New Jersey 10. APPEARANCES: 11. KENNETH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township 15. MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and Awashington Township 16. MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham 19. Karen Hansen Geisler Certified Shorthand Reporter 20. Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avenue West Orange, New Jersey 07052			
BOONTON TOWNSHIP, et. al Defendants Monday, January 7, 1980 Summit, New Jersey A PPEARANCE ESC. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BUZAK, ESQ. Attorney for the Defendants Kinnelon and AWASHINGTON Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham RATER HANSEN GEISLER REPORTING SERVICES ATRANGED Through: ROSENBERG SC ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 NORTHFIELD SHORTHAND REPORTERS	4	: Plaintiffs	DEPOSITION OF:
BOONTON TOWNSHIP, et. al.: Defendants Monday, January 7, 1980 Summit, New Jersey A P P E A R A N C E S: KENNETH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BUZAK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	5	vs.	ALLEN I DRESDNER
Defendants Monday, January 7, 1980 Summit, New Jersey A PPEARANCES: KENNETH E MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLOREST & BUZAK. BY: EDWARD J. BUZAK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 NORthfield Avsnue West Orange, New Jersey 07052	6	:	THEELY V. BIASBIVER
Monday, January 7, 1980 Summit, New Jersey A PPEARANCES: KENNETH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BUZAK, ESQ. Attorney for the Defendants Kinnelon and AWAShington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG & ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	7	BOONION TOWNSHIP, et. al	
Summit, New Jersey A P P E A R A N C E S: KENNETH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and "Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG SC ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	8		
APPEARANCES: KENNETH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG SC ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052			= - ;
KENNETH E. MEISER, ESQ. PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BUZAK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avenue West Orange, New Jersey 07052	9		Summit, New Jersey
PUBLIC ADVOCATE Attorney for the Plaintiffs MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BUZAK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	10	APPEARANCES:	
MESSRS. MATTSON, MADDEN & POLITO BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BUZAK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter Reporting Services Arranged Through: ROSENBERG SC ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	11	<u> </u>	Q.
BY: M. LYNNE MC DERMOTT, ESQ. Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	12		tiffs
Attorney for the Defendant Passaic Township MESSRS. VILLORESI & BUZAK. BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter Certified Shorthand Reporter ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	13		l l
BY: EDWARD J. BU2AK, ESQ. Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	14	1	
Attorney for the Defendants Kinnelon and 'Washington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	15	MESSRS. VILLORESI & BU	ZAK.
AWashington Township MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	. 16		
MESSRS. SACHAR, BERNSTEIN, ROTHBERG & SIKORA BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052		_	
BY DANIEL S. BERNSTEIN, ESQ. Attorney for the Defendant Chatham Karen Hansen Geisler Certified Shorthand Reporter Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	17	MESSRS, SACHAR, BERNST	'ETN. ROTHBERG & STKORA
Karen Hansen Geisler Certified Shorthand Reporter Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avanue West Orange, New Jersey 07052	18	BY DANIEL S. BERNSTEIN	, ESQ.
Certified Shorthand Reporter 21 22 Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avanue West Orange, New Jersey 07052	19	Attorney for the Defen	dant Chatham
22 Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES 23 CERTIFIED SHORTHAND REPORTERS 769 Northfield Avanue West Orange, New Jersey 07052	20		
Reporting Services Arranged Through: ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avanue West Orange, New Jersey 07052			Certified Bhorthand Reporter
ROSENBERG Sc ASSOCIATES CERTIFIED SHORTHAND REPORTERS 769 Northfield Avanue West Orange, New Jersey 07052	21		
CERTIFIED SHORTHAND REPORTERS 769 Northfield Avsnue West Orange, New Jersey 07052	22		
West Orange, New Jersey 07052	23	•	;
,	24		
(201) 678-5650 25		_	_

1		I N D E X		
2	<u>NAME</u>		DIRECT	
3	Allen J.	Dresdner		
4	By: Ke	enneth E. Meiser	2	
5				
6				
7		EXHIBITS		
8	NO.	DESCRIPTION	I	DENT.
9	METP-1	Resume of A. Dresdner		3
10	METP-2	Resume of J. Thonet		3
11	METP-3	Map of Township of Mendham		19
12	METP-4-	Base Map of Township of Mendham		19
13	MSTP-5	Utilities Map of, Township of Mendl	ham	19
14	MBTP-6	Drainage Map of Township of Mendha	am	19
15	METP-7	Geology and Water Supply Map of		19
16		Township of Mendham		
17	МЕТР-8	Geological Map of New Jersey		20
18	МЕТР-9	Raritan River Basin Map		29
19	MSTP-10	Passaic River Basin Map		29
20				
21				
22				
23				
24				
25				

6

7

(Taken by and before Karen Hansen Geisler, 1 a Certified Shorthand Reporter and Notary Public of j 2 .the State of New Jersey on Monday, January 7, 1960 3 at the offices of Dresdner Associates, P.A., 4 57 Union Place, Summit, New Jersey, at 10:30 A.M. pursuant to notice.) ALLEN 8 J. DRESDNER, 57 Union Place, Summit, New Jersey, called as a witness, 10 11 sworn, testified as follows: 12 13 DIRECT EXAMINATION. BY MR. MEISER: 14 0 15 for the plaintiffs in this case. **16** I'm going to be asking you a number of **17**

Mr. Dresdner, I'm Ken Meiser. I'm attorney

questions, and if there is any question that's not clear, please ask me and I'll be glad to try to clarify it. your attorney should object, stop, and we'll work out the objection and go on.

I'd like to begin, could I ask you is this the resume that you submitted to us through Mr. Bernstain? Α My resume would be the first three pages you gave The next three pages are John Thonet's resume.

24 25

18

19

20

21

22

23

1	(Whereupon, MHTP-1, Resume of A. Dresdner,
2	and r4ETP-2, Resume of J. Thonet, are marked
3	for identification.)
4	
5	Q Would you look at this, Mr. Dresdner, and
6	see if there are any updates on either the employment or
7	educational things listed on there?
8	A Well, there have been two subsequent judicial
9	and administrative proceedings, one had to do with a
10	case in Washington Township which, a copy of which
11	report has been submitted to the Public Advocate for
12	whatever purpose, and the other is a hearing where X
13	presented testimony before the West Caldwell Board of
14	Adjustment relating to a zoning variance to permit
15	increased density to some lands affected by flooding.
16	C Other than that, this is accurate?
17	A That is accurate, right.
18	Q Now, one of the things you list is a study
19	of land use and housing plan in West Caldwell, New Jersey.
20	Who was your client in that matter?
21	A The Planning Board of the Borough of West
22	Caldwell.
23	C What did they reauest you to do?
24	A They recuested that I prepare a land use plan and
25	housing plan to update their Master Plan in accordance with
i	u

]	Diesaliei – direct
1	the then current Municipal Land Use Law, and still
2	current Municipal Land Use Law.
3	Q Have you completed that project?
4	A Yes, sir, I have.
5	Q The Master Plan is finished?
6	A The Land Use Plan.
7	Q The Land Use Plan?
8	A Yes.
9	Q Did you do anything on the Master Plan?
10	A No, the only thing that I was requested to update
11	was the Land Use Plan, and additionally prepared a housing
12	. plan which they had not had before.
13	Q Do you have copies of that here?
14	A Yes, I do.
15	Q Could you get that. Which part of this did
16	you prepare?
17	A I prepared the entire report, this Dale and Moore's
18	name is on there because when I was selected as the planner
19	I was employed by Dale and Moore at that time.
20	Q Does West Caldwell have public water or
21	sewer? * {
22	A Yes, they do.
23	Q Now, what did you testify to before the
24	Board of Adjustment in West Caldwell?
25	A The reasonableness of the zoning ordinance as it

related to the densities on a particular 29 acre site and
the disposition of those densities on the site. The
contention - ore of the contentions was that in the Master
Plan, and accordingly, in the Zoning Ordinance we restricted
construction of residential homes on lands that were not
in the flood plain and did not conversely permit
construction of lands within the flood plain. Additionally,
on a parcel that was divided into flood plain and nonflood
plain areas, we called the portion of the parcel nonflood $-$
that was nonflood plain, the developable area, and placed
a maximum density that could be located on that
developable area

Q Did the Zoning Board make a decision yet?

A No, their meeting — they may have made it on Saturday, but I don't know.

Q What type of density were you recommending for the properties?

A Well, the property as a whole was zoned for, and we recommended that they maintain that zoning at 14,000 square foot lots, one family, 14,000 square foot.

We did recognize, however, that there were some parcels which were inundated by flood waters and said on those parcels, they could have on the developable portion of the property a density not to exceed eight units per acre, however, provided that the overall density of

1	14,000 square foot lots was not exceeded, which ever was
2	left is the way it worked out,
3	Q Do you have a copy of your testimony?
4	A Oh, no, the testimony was given Friday evening.
5	The court — the case started Thursday evening, continued
6	until 12:30 that night and started again at 9:30 Friday
7	morning and concluded 7:30 Friday evening.
8	Q I see. What was your involvement in
9	Washington Township?
10	A Washington Township was a zoning case where the
11	properties were zoned for five acres, and the plaintiffs
12	were demanding a reduction in lot size.
13	Q Who did you represent in that case?
14	A I represented the Township.
15	Q Has that matter gone to court?
16	A It has gone to court, and as Mr. Bernstein will
17	correct me if I'm wrong, the five acres was found to be
18	illegal — what would be the correct term?
19	MR. BERNSTEIN: Invalid.
20	A Invalid, and rezoning was remanded back to the
21	Township.
22	Q Are you doing any work on the redrafting of
23	the ordinance?
24	A No, sir, I'm not.
25	Q Have you done any other work for Washington

1	Township other than for this one case?
2	A Not for the Township. I represented some
3	individuals in the Township on a Merry Meeting Farm
4	zoning controversy where I represented the reasonableness
5	of the five acres zoning there, but it was for adjacent
6	lot owners.
7	Q Who was the applicant who sought to
8	challenge this five acres in Washington?
9	A A Mr Messrs. Lindabury and DeVenezia.
10	Q Do you know who their attorney was?
11	A Mr. Bernstein.
12	Q . Who represents Washington Township?
13	A Mr. Villoresi.
14	Q What is the Save the Black River Fund?
15	I see that represented -
16	A Save the Black River Fund was this Merry Meeting
17	Farm litigation that I referred to. They were the -
18	that's the organization that compensated me for my
L9	testimony.
20/	,. → * * * ;• > Q What did you do in Montville Township?
21	I see there was a reference to a DIS or development
22	project.
23	A Yes, in Montville Township I prepared three
24	environmental impact statements, one was for a residentia
25	subdivision of some fifty-two lots. The second was for a

	Bresulter - direct
1	small shopping center, and the third was for a warehouse.
2	Q Who was your client in these cases?
3	A In each case they were the applicants.
4	Q Who was the applicant for the residential
5	subdivision, do you recall?
6	A I don't recall the name, but I will have it here.
7	I'm sorry.
8	MR. BUZAK: Was it Merritt Development?
9 .	THE WITNESS: Yes, Jerry Sperella. Yes,
10	I just didn't recall his name.
11	Q Did you present testimony in that matter?
12	A. Yes, I did.
13	Q Before who?
14	A Before the Planning Board.
15	Q What was the outcome of your testimony in
16	the hearing?
17	A Well, the outcome of the hearing was approval of
18	the subdivision, the thrust of my testimony was directed
19	towards the drainage implications of the subdivision, that
20	is the drainage plans as submitted by the applicant were
21	adequate and proper to meet the concerns of the environmenta
22	conditions and additionally complied with and melded with
23	the Storm Drainage Plan for the community.
24	Additionally, I indicated that insofar as
25	zoning was concerned, no variances ware being requested.

	11	
1		Q Do you have a copy of that report?
2	A	Yes.
3		Q What about Howell, what did you do in
4	Howell?	
5	A	In Howell I prepared an environmental impact
6	statemen	nt for a developer, Howard Siegal.
7		Q What was he proposing to build?
8	A	He was proposing a subdivision on several
9	hundred	acres of land, single family homes. The acreage
10	was 184	acres.
11		Q Did you testify before anyone?
1.2	A	Yes, I testified before the Planning. Board and
13	Environ	mental Commission, as I recall.
14		Q What was the outcome of the hearing?
15	A	They approved his subdivision.
16		Q Is that your report there?
17	A	Yes.
18		Q What about Hazlet?
19	A	Hazlet was an environmental impact statement to
20	accompa	ny a CAFRA application that was done for Howard
21	; friegal	also and consisted, as I recall, of some twenty
22	to thir	ty homes. This was approved by CAFRA and they're
23	constru	cted.
24		Q What about Plattsburg?
25	A	Plattsburg was an environmental impact statement

1 prepared for the City of Plattsburg to - as part of a requirement for a UDAG grant. There was a proposal to construct a major twelve or thirteen story residential 4 commercial and entertainment complex in the center of the City of Plattsburg. Since it was located adjacent to the Saranack River and indeed located on the Saranack River, or otherwise would have a substantial impact on the center of the City, I was requested by the City to prepare an environmental impact statement. 10

What was the conclusion of your environmental impact statement?

A \bullet . Well – what my conclusion was in terms of **the** impact?

> 0 Right.

That it would have a major impact both positive Α and negative on the City, that in socioeconomic terms it would be positive. In traffic terms and air quality, there would be negative impacts.

On balance, I was of the opinion that the positive impacts far outweighed the negative impacts. The downtown area was a declining downtown area. important for the economic future of the City that the downtown area be rehabbed, and this was the cornerstone to reconstruction.

Did you make any conclusions concerning water

19 20?

2

3

5

6

7

8

9

11

12

13

14

15

16

17

18

21

22

23

24

25

Drssdner - direct

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

`17

18

19

20

21.

22

23

24

25

pollution in that study?

Yes, I did. The conclusion was that insofar as surface water runoff is concerned, there would be an improvement to the Saranack River. The reason for that was currently all surface water on the site ran across the existing parking lot directly into the Saranack River.

With the proposed development, there would be pretreatment, not through a sanitary sewerage system or anything like that, but rather through retention and filtration, and the outfall of water would be improved.

- Do you have a copy of that report? Q Yes, I do..
- What did you do for Pequannock Township? In Peauannock Township I was contracted by the firm of Weiner, Newberger and Sike, who were consultant attorneys to the Township, to review the implications of 1-287 through - proposed I-28" through Pequannock in terms of their past planning efforts.

Pequannock at that time and still is concerned over the alignment of the highway, and they .asked me to review it in those terms.

- What about the Environmental Assessment of Community Development Programs in Morris County, what did that involve?
- Morris County had some twenty to thirty Community

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20.

211

22

23

24

25

Development programs annually which are funded by the federal government. Most of those Community Development programs are of a service nature, for example, Meals on Wheels, rehabilitation of a couple of homes, assistance, other kinds of assistance to elderly and low and moderate income families.

Each program requires an environmental assessment to determine the significant - potential significance of the impact. As is typical with the programs, virtually none have a potentially significant impact on the human environment in the context of the federal legislation. Occasionally, there is one that does require an environmental impact statement, in which case the county then goes out, either prepares it themselves or has it prepared by a consultant.

Did you prepare any yourself of any of these programs?

Yes, I prepared one on a storm water outfall storm sewer, excuse me, a storm sewer plan for a portion - of Mount Olive Township located around Budd Lake.

it was our judgment that it had a potentially significant impact, and so therefore, recommended the preparation of an environmental impact statement. County then contacted at least two, if not more, consultants, and asked for proposals, and we were selected.

ž 89

1		Q So did you then prepare the environmental
2	impact	statement?
3	A	Yes.
4		Q Do you have a copy of that also?
5	A	It's in draft form now — well, I have a draft
6	copy.	
7		Q Is it available?
8	A	It's being retyped now.
9		Q We're going to be back, why don't you perhaps
10	next ti	me.
11		Has Dresdner Associates prepared any
12	Master	Plans for any municipality?
13	A	Dresdner Associates Firm hasn't. I have. I've
14	prepare	ed numerous.
15		Q Any in Morris County?
16	A	I was responsible, before I left the firm, for
17	Morris	Township, I believe that's the only one in Morris
18	County	•
19		Q What years did you work on that?
20	. A	That would be in the late 1960s.
21		Q Did the Township adopt the Master Plan that
22	you had	d drawn up?
23	А	Yes, they did.
24		Q Have you done any other Master Plans in
25	Morris	County?
- 11		

1	A 1 don't recall any, other than Morris Township.
2	I had an involvement in Morristown, but that was for
3	an element of the Master Plan of the Zoning Ordinance.
4	I just don't recall. It was so long ago.
5	Q What about the zoning ordinances, have
6	you prepared any zoning ordinances for any towns in
7	Morris County?
8	A Well, the Morris Township Zoning Ordinance, I
9	believe, again back in the late 1960s.
10	Q Besides your work in West Caldwell have
11	you prepared any other Master Plans in New Jersey within,.
12	let's say the last three or four years? • •
13	A No, I haven't prepared any Master Plans in north
14	Jersey in the last three or four years.
15	By way of correction, again in the middle
16	1960s or thereabouts, I prepared the Master Plan for
17	Mount Arlington.
18	Q Now, in preparing your report for Mendham
19	Township in this case what sources, references did you
20	utilize?
21	MR. B3RNSTEIN: If I could make an objection
22	here, we sent to the Public Advocate a
23	significant list which contained all the sources,
24	most of which were used by Mr. Dresdner that
25	are attached to the Interrogatories, and I don't

want Mr. Dresdner to be circumscribed by this answer that he's giving now from memory, since we did supply the information to the Public Advocate's office.

With this admonition, I have no problem if he answers.

A Well, two varieties of source material were used, the source material relating to the municipality itself and source material relating to the general region. I have a list here listing a wide variety of material. I can either run through this or leave it with the court reporter, however you like.

(Whereupon, an off the record discussion is held.)

Q Now, as far as Mendham Township, what sources specific with Mendam Township did you utilize?

A That would be the Master Plan, the Zoning

Ordinance, I don't think this is mentioned in there, the

Chesters and the Mendhams, a Natural Resource Inventory

of the area, those would be the three reports that deal

with Mendham solely.

Now, all of these reports relate to Mendham.

O Did you review any other expert reports that

1	may have been submitted in connection with Mendham Township
2	preparation for this case?
3	A I don't recall whether it was in reference to
4	Mendham Township, but I did review Alan Malick's report,
5	I believe that was the only other one that I recall.
6	However, I believe that was all.
7	Q Prior to preparing this report, had you
8	
9	done any prep work in or for Mendham Township?
	A Yes, I had done work in Mendham Township prior
10	to the preparation of this report. It was an environmental
11	impact statement for Mendham Commons located in the
12	Borough of Mendham • •
13	Q What year approximately was that prepared?
14	A That was prepared in the early 1970s while I
15	was at Dale and Moore.
16	Q What is Mendham Commons?
17	A Mendham Commons is a garden apartment development.
18	MR. BERNSTEIN: Condos.
19	Q At whose request did you prepare the EIS?
2 <t.< th=""><th></th></t.<>	
21	A ** Ifflell, it was either by the developer or the
	developer's attorney. The developer's attorneys were
22	Monica and, in Morristown, a Stewart Huddelswhere, and
23	developer was Ken Pizzo.
24	Q The first attorney was M-0-N-I-C-A?
25	A Yes, Ted Monica.

2	Monica?
3	THE WITNESS: Ambrose and Monica.
4	Q What was the conclusion of the S.I.S. that
5	you did, do you recall?
6	A Well, it's less a conclusion than a statement of
7	facts, and you can call it concerns. We were primarily
8	concerned with the effects of erosion during construction
9	on downstream conditions and worked with the engineers
10	in developing a site plan intended to mitigate and reduce
11	the effects.
12	Q I see. Was that the only subject that that
13	E.I.S. covered?
14	A Oh, no, it covered a broad range of subjects,
15	but this was the major and indeed the only issue of
16	substance that I recall.
17	Q Do you have a copy of that E.I.S. still?
18	A No, that I don't have.
19	Q Now, that was Mendham Borough. Did you
20	have any connection for Mendham Township at any time
21	prior to preparing this?
22	A No.
23	Q Did you do any field investigations in
24	Mendham Township in preparing this report?
25	A Yes.

•MR. BERNSTEIN: Isn't that Ambrose and

1	Q What would that include?
2	A Well, it included essentially a windshield survey
3	through the community, in order to gain an understanding
4	of the distribution of development, the type of
5	development, the type and character — type and character
6	of road and the general environmental ambiance of the
7	community.
8	Q Do you remember approximately when this
9	was done?
10	A No, sir, I don't.
11	Q Besides this windshield survey, did you
12	have any other personal trips or studies in Mendham.
13	Township?
14	A I made other trips there to double check on an
15	area that I might not have been familiar with. I went
16	back, for example, to look at Brookside and the
17	Roxiticus Creek area.
18	Q Have you prepared any maps or charts your-
19	self for Mendham Township during your study?
20	A Well, we prepared some sketch maps and charts
21	for Mendham Township.
22	Q Ane those included in your report or are
23	they different than those that are included in your
24	report?
25	A We did not include any maps or charts in our

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

report, and have not included any, prepared any final maps.

What are the maps, sketches you prepared? The maps, our final drafts are with Catlin's firm who are preparing them. This is a map prepared by Catlin Associates showing the distribution of vacant The base map is by Catlin Associates and on top land. of the base map we have two sketch maps. One showing a regional drainage pattern indicating that the Township of Mendham is the headwaters, contains the headwaters for three drainage basins.

The other one is another regional map showing the distribution of wells - that's right, it would be wells, reservoirs and, I believe, treatment plants. This, the map that I'm just referring to is taken from the state's Lords Study. This overlay of drainage basins is taken from the county, Morris County Drainage Map, drainage map.

I'm going to be asking questions about these.

(Whereupon, NLETP-3, Map of Township of Mendham; M2TP-4, Base Map of Township of Mendham; METP-5, Utilities Map of Township of Mendham; METP-6, Drainage Map of Township of Mendham; and MSTP-7, Geology and Water

ž

1 Supply Map of Township of Mendham, are 2 marked for identification.) 3 4 A lot of your initial testimony speaks about Q 5 the Piedmont Province, the Highlands Province. Do we 6 have a map, an overview that might lay out what lands 7 you're referring to there? 8 . 9 (Whereupon, a short recess is taken.) 10 11 Could we identify what this map is? Q 12 A \cdot "This is a map prepared by the – what was theix 13 the Department of Conservation and Economic Development 14 of the State of New Jersey. Now it's part of the New 15 Jersey Department of Environmental Protection, Bureau 16 of Geology. 17 MR. BERNSTEIN: Isn't it Department of 18 Community Affairs? 19 THE WITNESS: But this would be comparable, **2**Ø , ,-this would ordinarily come out of the Eureau 21 ... of Geology of the Department of Environmental 22 Protection. 23 24 (Whereupon, MSTP-S, Geological Map of New 25 Jersey, is marked for identification.)

2	2
3	;
4	Ļ
5	í
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
	-

C		Now,	you	referred	in	several	places	in	you	
report	to	the	Piedm	ont	Province?					

A Yes.

Q Could you explain what you consider is the Piedmont Province?

A The Piedmont Province is generally that area in New Jersey that extends eastward of the Ramapo Fault and westward of the Hudson River. It's a broad plain that extends in a northeasterly-southwesterly direction from the Hudson River to the Delaware River.

C And the Highlands Province?

A. - The Highlands Province, is a parallel band **that** extends west from the Ramapo Fault system and east from the Kittatinny Ridges, again extending from New York State southwesterly to the Delaware River.

MR. ESRNSTEIN: Is it the brown band?

THE WITNESS: Largely this brownish-olive band.

primarily the Piedmont Province? Can you identify those?

A Yes, the communities that are primarily in the Piedmont Province in Morris County are as follows:

Pequannock, Lincoln Park, Parsippany-Troy Kills, Hanover, Florham Park, those are the essentially the communities, Chatham and Madison Boroughs also, and I believe Hardy

	1
1	and Passaic.
2	Q What about East Hanover, is that still in it
3	A Yes, that would be in it also.
4	Q What about in the Highlands, what Morris
5	County Municipalities would primarily be in the Highlands?
6	A Those would be all of the western communities,
7	typically from — they would include Mendham, Randolph —
8	MR. BERNSTEIN: Wait a minute, is that
9	Mendham Township or Borough?
10	THE WITNESS: Mendham Township and Borough,
11	Randolph, Dover, Rockaway, Wharton, Jefferson,
12.	Mount Olive, Roxbury, Washington, Chester., about
13	half of Morris Township.
14	Q What about Kinnelon?
15	A Boonton, Kinnelon, Montville, Butler.
16	Q Where does Denville fit in, which one?
17	A Denville would be in the Highlands Province.
18	Q Now, is there any major distinguishing or
19	distinguishing characteristic between land in the two
20	provinces, the Highlands and Piedmont?
21	A Yes. Yes, there is. The distinction sufficiently
22	is in elevation and in slope. The Highlands are higher,
23	and the hills are steeper than in the Piedmont Province.
24	Q What about as far as water?
25	A Generally speaking water sources are more abundant

Dresdner - direct

in the Piedmont Province and less abundant in the Highlands Province.

Additionally, the groundwater characteristics are different, that is generally the groundwater supply in the Highlands Province comes from Pre-Cambrian rock, which is essentially from cracks and fissures in the rock.

Groundwater supplies in the Piedmont

Province ordinarily come from buried sand and gravel beds.

Q Now, within this **broad area** of the Highlands, is there uniformity in Morris County or is there **pretty** much, variation on the heights in this, these areas **that** you've specified as the Highlands Province, have you done any investigation?

I haven't done an investigation of the elevations across the western portion of Morris County. Generally speaking, they're higher, the peaks are higher as you go in a northwesterly manner.

Q Now, on this map would you also identify what you call the terminal moraine and explain what that is

A The terminal moraine is this orangish band that extends in a northwesterly and westerly manner across

Morris County. It's the furthest extent of the Wisconsin glacier, which is the last or the youngest of the glaciers

that moved south into New Jersey and then receded north.

1

2 Can you tell us what Morris County municipalities would be on this terminal moraine on the 3 map? 4 5 Α Madison Borough, Chatham Borough, a portion of 6 Morris Township, Morristown, Morris Plains, a portion of 7 Parsippany, then we would have Denville, Rockaway, Dover, 8 Wharton, a portion of Roxbury and Netcong, 9 It.'s very easy to figure out where the 10 terminal moraine is, you just follow the major transporta-11 tion corridors and the older communities. 12 What are the reasons the transportation Q 13 was built along the terminal moraine? 14 The terminal moraine is an excellent source of 15 construction material. The terminal moraine is an 16 excellent source of constructions material which is one 17 of the reasons why many of the older communities located 18 on this land. 19 Additionally, it has somewhat better water, -a jetij groiindwater resources as well as surface water lakes or 21 ponds. J 22 Is there a reason for this geologically that 23 it has better water? 24 Well, material is what is called unconsolidated, 25 which means there are larger fissures between the rocks.

1	pebbles, boulders, and gravel. These are interstices where
2	water can be stored.
3	Q What I'd like to get to now is some of the
4	water sheds that you referred to. Which map do you think
5	would be best to examine that?
6	A The Township of Mendham is outlined —
7	Q Referring to METP-6.
8	A The Township of Kendham is outlined in red.
9	Q Now, what do you refer to as the Upper
10	Passaic Watershed, what does that include?
11	A Well, the Upper Passaic Watershed includes a
12	very, very large area of western and northern Jersey.
13	Generally, the Upper Passaic, as I recall,
14	starts at Little Falls and goes all the way back to the
15	headwaters.
16	Q Where approximately would Little Falls be
17	on that map?
18	A It wouldn't be on this map, and it would be out
19	of the county. This map shows the following watersheds or
20	subwatersheds, if you will.
21	Q All right.
22	A We have the Whippany River watershed, which is
23	shown by this green araa, a portion of the, a substantial
24	portion of the headlands or headwaters of the Whippany
25	are located in Mendham.

Dresdner - direct

1	
2	a portion o
3	we have the
4	half of the
5	Q
6	miles the w
7	is?
8	A No,
9	have that i
10	Ç
11	determined?
12	A • Th
13	that land w
14	eventually
15	follows the
16	itself.
17	Q
18	which is pa
19	A I c
20	ones in Mor
21	Parsippany,
22	Passaic Riv
23	the Passaic
24	Q
25	the map?

We also have the Passaic River watershed,
a portion of which is located within Mendham. Finally,
we have the north branch of the Raritan, approximately
half of the Township is within that particular watershed.

Q Now, in areas do you "know how many square miles the watershed of the, let's take the Whippany, first

A No, I don't have that number handy. No, I don't have that information.

Q How is the boundaries of the watershed determined?

A. • The boundaries of the watershed include all of that land which, if a drop of water fell on it would eventually find its way to the Whippany River, so one follows the ridge lines that surround or bound the river itself.

Q Do you know which municipalities have land which is part of this watershed in Whippany?

A I can give you some of them, particularly the

ones in Morris County: Morris Township, Hanover,

Parsippany, possibly 3ast Hanover, and it joins the

Passaic River in Parsippany, it seems, and becomes part of
the Passaic River watershed.

Q Any other towns froir your observation of the map?

1	A No.
2	Q What percentage did you estimate of the
3	watershed of the Whippany is in Mendham Township?
4	A I couldn't estimate it, it's a relatively small
5	percentage, albeit relatively important, that is it's
6	located in the headwaters area.
7	Q Referring to METP-6, can we see on there
8	what the headwaters area is?
9	A The headwaters of the Whippany are primarily in
10	the Township of Mendham, except for a small portion which
11	is located in the community immediately north of Mendham,
12	. which I believe would be Mount Olive — excuse me, it •
13	would be Randolph
14	Q Now, does this map delineate where the
15	flood waters section of the watershed is?
16	A No, that's a judgment or an estimate based on the
17	total area, the kinds of lands that the streams originate
18	in.
19	Q What is your definition of a headwater section
20	of a watershed?
21	A That portion of a watershed where the surface
22	waters originate.
23	g Now, is it possible for you to lightly
24	delineate in pencil or in some way delineate what in your
25	judgment, what approximately that would be?

1	A Yas, well, the prime headwater area of the
2	whippany would be north of Route 24, within Mendham and
3	to the north of Mendham to the end of the watershed.
4	Q The Whippany River starts where on this
5	map?
6	A The Whippany River originates at a point in
7	Mendham, perhaps half way between — about halfway
8	on Route 24 between where it enters Mendham from the east
9	and enters the Borough of Mendham on the west at about
10	a point perhaps two miles north of Route 24.
11	Q You're pointing directly above 24 on the
12	map? • . • • • • • .
13	A Yes.
14	Q Now, in determining which land is covered
15	within the area that you've referred to is within the
16	headwaters section, are there any standards or guidelines
17	for making that determination?
18	A There are none that I know of, other than including
19	those streams which feed into the main river north of
20	its — or upstream of its furthest extension, that is where
21	the main river starts becoming other named streams.
22	Q Now, how much — where there is a stream,
23	how far west or east do you go to include land in this
24	headwater section, is there any guidelines for that?
25	A Not that I know of.

1	Q Do you know the names of any of these
2	streams here, can you identify them on the map?
3	^A I have another map of the County showing all the
4	named streams.
5	
6	(Whereupon, METP-9, Raritan River Basin Map,
7	and METP-10, Passaic River Basin Map, are
8	marked for identification.)
9	
10	Q The streams we were talking about in Mendham
11	Township —
12	A Whippany, and you can see on this map* which is
13	P-10, that the Whippany River extends into Mendham
14	Township where it then breaks off into a number of
15	tributaries.
16	Q So this area to the left in Mendham Township
17	and going up into -
18	A Randolph.
19	Q The adjoining town are the head of it.
20	What about the north branch of the Raritan, can we see
21	what we're talking about there as the headwaters?
22	A Here again, the north branch of the Raritan is a
23	is tributary to the Raritan River itself, branching off
24	in Bridgewater, going north from Eridgewater through
25	Bedminster, Peapack-Gladstone and then into Mendham
	,

Dresdner - direct

Township.

1

24

25

1 this headwaters section? The Township has approximately 2 Very, very rough. 11,500 acres. If one half of that are located in the 3 North Branch watershed, that would total 5,750 acres. 5 Of that 5,750 acres in the watershed, I would consider 6 perhaps 60 percent of that in the headwaters area, which 7 would be about 3,000 acres, but that would be very rough. 8 We've looked up the Whippany. Is there O 9 also part of Mendham Township in the Upper Passaic 10 headwaters? 11 Α Yes, it is. We go back to P-10. As I mentioned, 12 the Whippany was part of the Passaic watershed, but there 13 is also the — what is commonly referred to as the Upper 14 The Upper Passaic originates totally in the Passaic. 15 Township of Mendham. 16 Now, is there any way of approximating what 17 part of acreage of the Township is covered within this 18 headwaters of the, I'm trying to get really a rough idea 19 of what fits into those three areas and which, if any, does 20 not. 21 Α Okay. Well, all the Township fits into these 22

A Okay. Well, all the Township fits into these three areas. Just grossly, 50 percent is in the North Branch watershed, 30 perc3nt in the "hippany, and 20 percent in the Passaic, which means we would have 5,750 acres in the North "ranch, 3,500 in the Whippany, and

1	2,250 in the Upper Passaic or the Passaic.
2	Q Now, this 2,250 rough acreage in the Upper
3	Passaic, how much of that would you approximate to be
4	in the headwaters?
5	A Well, that would be all essentially the
6	headwaters, because that's where the Passaic originates.
7	Q What about for Wnippany, what would be your
8	rough approximation?
9	MR. BERNSTEIN: You're talking about for
10	the headwaters area?
11	MR. MEISER: That's correct.
12	A. That would be the headwaters within the Township
13	of Mendham.
14	Q What we're trying to specify of what percent
15	you would approximate to be in the headwater areas —
16	A Two-thirds, about 2,000. In the Raritan also
17	about two-thirds.
18	Q Two-thirds of the land in Mendham Township
19	watershed you'd consider to be in the North Raritan
20	headwaters?
21	A Correct.
22	MR BERNSTEIN: We have the North Branch,
23	the Wnippany and the Passaic, which is the
24	how does the Raritan come in?
25	THE WITNESS: That's the North Branch of the

Jresdner - direct

_	Railtaii.
2	Q For the moment, that completes my cuestioning
3	on that map. Do you know what the present population of
4	Mendham Township is, by the way, where did you get your
5	population figures? I noticed there were a few in your
6	report. Did they come from any one source?
7	A Well, let me see which ones we have, and I'll tell
8	you the sources.
9	Q Fine.
10	A Well, the current population for the Township of
11	Mendham is about 4,000.
12	Q • As of what date? •
13	A Current.
14	Q What is your source for that?
15	A The source is the Population Estimates for New j
16	Jersey.
17	Q When is that dated?
18	A This is 1976, but 1973 hasn't changed. I have
19	1978 in there somewhere.
20	
21	Q Do you 'know what the population was for any
22	of the years from 50, 60 or 70?
23	A Not offhand, I have the information here. If
24	you'd like me to get it, I can.
25	Q That's not necessary. Did you do any j I
	studies or make any inquiries as to what Mendham Township's

Dresdner - direct

1	population would be in full growth in the present zone,
2	if the town was fully developed in the way that the
3	present zoning allows?
4	A No, I haven't.
5	Q In your report you mentioned that over
6	nine percent of the town is for agricultural use. What
7	type of crops are grown on these agricultural lands in
8	Mendham Township, do you know?
9	A No.
10	Q Do you know of this nine percent how much,
11	if any, is woodlands, rather than farm?
12	A . No • • • •
13	Q Do you have any idea as to what the
14	percentage of agricultural use was in any of the previous
15	years, 1960, 1950?
16	A No.
17	Q Now, in your report, let me refer you to the
18	page, you referred to this agricultural land as being
19	
2Cf	settled land.
21	A, ! Ah hum.
22	Q Could I ask you what you mean by that?
23	A As I recall I was auoting.
24	Q I think it's page six, I believe.
25	A Page six, right.
	Q At the bottom of the page, "Predominantly

Dresdner - direct

1	settled."
2	A Those are lands which are worked in an agricultural
3	sense, that is either planted or used for husbandry as
4	opposed to raw woodland.
5	Q But you said you didn't "know how much of
6	the acres was agriculture and how much was woodland, is
7	that correct?
8	A Well, I can pull it out of the Master Plan, if
9	it's there.
10	Q If your only source is there, you don't have
11	to go through it.
12	A. Yes, that would be my only source. I'm sorry,
13	on page seven we have approximately 1,132 acres or
14	.8 percent of the township is devoted to agricultural
15	use.
16	Q Do you know what the land and agriculture
17	in Mendham Township is zoned as far as residential,
18	whether any type of residential housing can presently
19	be built on there?
20	A Oh, yes, residential housing would permitted
21	there, I don't know at what density.
22	-Q Do you think that any agricultural lands
23	should be included as potentially developable land?
24	A Right, insofar as the state's expression of that
25	term, potentially developable, they exclude prime

Dresdner - direct

lands from potentially developable.
Q What do you mean by prime agricultural land?
A Those are a land capability class that represents
high fertility, moderately - moderate to good internal
drainage and slopes less than eight percent, based on the
soil type, and these have a classification of Roman
Numerals one through eight, and as I recall, Roman

agricultural lands, so I would exclude primary agricultural

Q Who makes this classification, do **you know?**A . Well, the classification of Roman Numerals **one**through three comes from the Soil Conservation Service,

and they also classify it in terms of prime.

Numerals one, two and three, with some modifications,

are considered prime agricultural land.

Q Did you do any checking to see of the farmland in Mendham Township is considered prime agricultural land?

A Not specifically. I do know that prime agricultural lands are located in the general, that portion of the Township which is located south of Route 24, and that reflects a band of prime agricultural lands that extends from Mendham through Chester into Washington.

Q That includes Mendham Borough as well?

A It would include the southerly portion of Mendham Borough, yes.

1	Q The Soil Conservation Service you're
2	referring to, is this a county or a state thing?
3	A Well, it's the United States Department of
4	Agriculture Soil Conservation Service. There is also
5	a county district.
6	Q Now, did you do any calculations as to
7	what percentage of the agricultural land in Mendham
8	Township is, has areas with slopes over twelve percent?
9	A No, we do calculations as I recall of slopes
10	over twelve percent on vacant lands.
11	Q You did not do the calculation for .
12	agricultural?
13	A No.
14	Q To your knowledge is there any farmland
15	in Morris Township which does have slopes over twelve
16	percent?
17	MR. BERNSTEIN: Mendham Township?
18	A Yes, absolutely.
19	Q Would that land then not be considered
20	prime agricultural land according to your definition?
21	A That's correct.
22	MR. BERNSTEIN: Wait. I'm going to object
23	to the comment "according to your definition."
24	I think the witness already said that the
25	definition was from the Department of Community

2	definition.
3	Q Did you do any computation as to whether
4	any agricultural land is in a floodplain or wetland?
5	A No •
6	Q Do you "know whether there is any in the
7	Township? The reason I'm asking is you have those
8	asterisks on page eleven of your report.
9	A I have a more current copy of that, where we
10	do have the numbers. Perhaps we can both work from this,
11	and I'll make a copy of it for you.
12	Q What calculations would it take to determine
13-	what percentage of the agricultural land has slopes in
14	excess of twelve percent?
15	A We would overlay a slope map on a land use map,
16	and those agricultural land uses which also have slopes
17	in excess of twelve percent would then be accordingly
18	measured.
19	Q Now, there is a reference in your report,
20	I believe, to existing estates. It says 561 acres, I'm
21	reading from page eleven. Do you know how many estates
22	there are in the Townshio?
23	A No, I don't.
24	Q Where did you get that figure from?
25	A The figure either came from Catlin Associates
i	

Affairs, and he was just repeating their

1	T believe it came nom Catiff Associates.
2	MR. BERNSTEIN: I think it came from Cliff
3	Earl who's an appraiser who worked in conjunction
4	with Catlin Associates.
5	A We got it from Catlin Associates.
6	Q Now, your figure for 3,050 public and
7	semi-public, did that also come from Catlin Associates?
8	I'm looking at page 14.
9	A Yes.
10	Q Now, the Master Plan, page 27, notes that
11	several public and semi-public lands are for sale. Do
12	you have any idea which those lands might be?
13	A The one that comes immediately to mind is the
14	S'niff Reservation, the Boy Scout Camp, that's the only
15	one I would know of. I don't know whether that's what
16	they're referring to.
17	Q What is the status, has there been a sale
18	of that or do the Boy Scouts still own it?
19	A I believe there's been a sale.
20	Q Do you know who it's been sold to?
21	A Telephone Company.
22	MR.,BERNSTEIN: A T & T.
23	Q Do you know what AT&T plans to use this
24	land for?
25	MR. BERNSTEIN: I would object. This is

1	totally speculative. If Mr. Dresdner has a basis
2	for making a judgment, I have no problem, but
3	if it's a lank guess —
4	MR. MEISER: The question was does he
5	know.
6	
7	(Whereupon, pending question is read by
8	the shorthand reporter.)
9	
10	MR. BERNSTEIN: Okay. I'll withdraw the
11	objection, if he knows.
12	A No, I don't know.
13	Q Now, on page —
14	A Other than what's in the paper I happen to have
15	in my record here, A T St T Envisions
16	Microwave Tower.
17	Q What are you reading from?
18	A The Observer Tribune of April 12, 1979.
19	Q What was the date?
20	A April 12, 1979.
21	Q Now, on page, I believe it's eleven of your
22	report still, we're talking about, I believe, 333 acres
23	of flood plains and wetlands. Where did you get that
24	333 acres figure from?
25	A It would have been a measurement that was provided

to us by Catlin and Associates, I believe, probably taken

41

Dresdner - direct

1

1

2	ultimately settling down to the potentially
3	developable land.
4	Q Going through here, could you point out
5	which lands are — first of all, this map is the vacant
6	land map of —
7	A Yes.
8	Q — Mendham Township?
9	A Yes, and the vacant lands are shown in a blue
LO	screen pattern on the map.
11	Q Now, the blue is the vacant land?
12	A Yes. •
13	Q Which to your knowledge, where would the
L4	688 acres be, that you list as vacant and developable?
L5	You said you had a pretty good idea.
L6	A Well, the vacant and developable blue areas-
L7	would also be scattered throughout, except portions,
L8	for example, in here that are within the flood plain
L9	would be taken out. There are also some portions which
20	are steep slopes, probably up in the northeast portion of
21	the township, which would be taken out.
22	Q Apparently on page eleven you take out 919
23	acres for slopes and 333 for flood plains, so approximately
24	one third of the blue that is listed as vacant developable,

and I'm trying to find out if you can even approximately

indicating the environmental constraints and

1 identify which that one third would be? 2 Not specifically, but a portion would be located 3 in the southwest corner of the Township, a portion in the 4 northwest, and a portion in the northeast. 5 Can you be any more specific than that as Q 6 to which you believe they are? 7 A No, I couldn't, not unless I had the other 8 overlays here. 9 I see. Basically then you just took that 10 figure from Catlin Associates without getting into which 11 lands were which, is that correct? 12 That's largely correct. Again, if I'had the 13 overlays, I would know specifically which lands were 14 which. 15 \mathbf{C} Did you have anything to do with preparing 16 those overlays, or was that done by Catlin Associates? 17 They're preparing the final overlays. We 18 prepared the draft maps which Catlin Associates are using 19 to prepare the final overlays. The information that we 20 have from the draft craps is based on other Catlin raps. 21 For example, the land use map, flood plain 22 ::.aps, the steep slope maps, we spotchecked his flood 23 plain maps as viell as the steep slope ; r^ps as to 24 They were reasonable, so we used thsm. reasonableness. 25 \mathbf{C} We'll have to wait then until we take

•

depositions of Catlin or get those maps to do this.

In going back to the introductory of your

report, II is the page number, and it states: "High

report, II is the page number, and it states: "High density development in the Township could result in the following," and it lists a number of factors. What are you using as high density development there within that sentence?

A Yes, that's the summary, and I want to go back to the other section, but high density development is generally considered in the context of the Township of Mendham, oh, perhaps two units an acre or greater, two to four units an acre or greater.

Q Now, you list at the bottom of page II-A Right.

Q A number of possibilities that you eay could result, high density development in the Township could result in the following. Was there any reason you used the word could? Are you saying that's a possibility or that that definitely would happen?

A It's a probability. Experience has shown that as densities increase, the area that is paved increases which results in a number of other environmental impacts. They can be mitigated, very seldom eliminated.

Q Is there any way as a general basis to quantify the amount of pollution, the types of factors you

Dresdner - direct

1

list on III that are incurred by development without a specific site or a specific development?

No, you would have to - well, you would have to relate it to, usually the amount of coverage and/or the

There have been studies on this matter which have generally indicated that the greater the population, the greater the potential for pollution.

Well, Lt. General Whipple had done a number of studies for Rutgers University as to the impacts of development on storm water runoff.

Do you "know the names of any of his reports? No, I don't have the reports handy.

Now, you referred to three watersheds earlier that were in Mendham Township. Are there other watersheds in Morris County, or are these the three major

There are other watersheds, the North Branch of the Raritan comes into a portion of Morris County, the Rockaway River, the Pompton River, the latter two as is with the Rockaway are subdrainage basins to the Greater Passaic. These are two that come immediately to mind - or three, rather, that come immediately to mind, Lamington River, and I mentioned the Pequannock.

i

12.

Q Now, do you feel that it is — is there any circumstances under which it's appropriate or safe in your opinion to zone for high density zoning near headwaters of a watershed?

A Well, it's not only — it's not solely that factor that mitigates against zoning for high density. There are a number of other, you "know, factors that one considers in zoning for higher density, the existence of an infrastructure, the abilities of an infrastructure to handle increased demands, whether it be in terms of utilities or potable water, relationship to major transportation facilities, relationship to employment centers.

These are all, you know, factors that I would consider.

Q Assuming that the infrastructure is there for a moment, and it is near an employment center, are there then environmentally safe ways to zone for high density near the headwaters of a watershed?

A Theoretically, there are environmentally safe ways of zoning for high density. However, the costs to the builder or the developer are often — could be such that in terms of economic feasibility, lesser densities are more viable.

Q What would this engineering involve, if you

Q Now, pages 16 and 17 of your report, there is, when you're talking about environmental characteristics of Mendham Township, there is references to safe yield principles for water supply. Is there a way of quantifying what a safe yield area is for a certain place, how would one go about doing that?

A Well, it was done in part by the state through their Lords Study, whereby they came up to — came up or developed safe yields for various types of geologic structures which are mined for potable water.

In this area where you have the Pre-Cambrian rock structure their estimate of the safe yield as translated into minimum lot size was three to four acres, if the water supply came from the site and there was no sewer, public sewer.

C Did they make any assumptions if one of the two was provided by other than sewer or well?

Yes, well, the assumption would be if your water supply came from an off-site source, that limitation would be eliminated or reduced. I don't know — I don't recall whether there was a limitation on sewer, but I assume there would be, and if there were public sawers, that is if there—were no septic tanks, there also the minimum lot size would be of interest.

Do you know if the Lords classified what t'r.-.:

1	minimum lot size should he if either one was done?
2	A No.
3	Q Did the Lords study give their methodology
4	as to how they reached that conclusion of three or
5	four acres?
6	A I don't recall whether the Lords study did.
7	I do know we had some studies and called State Bureau
8	of Geology to get additional information on it.
9	The Lords study does give some rcethodoiogv,
10	and insofar as any Questions we had, we just called the
11	Bureau of Geology.
12	. Q • Do you "know right now what their methodology
13	was for determining that, three or four acres?
14	A Well, I understand generally, surely, yes. Do
15	you want me to give my understanding?
16	Q Go ahead.
17	A It's based on the amount of rainfall that would
18	fall and infiltrate rather than runoff into the area, and
19	this catch of rainfall over the course of the year is
20	what can be withdrawn and be replaced without having a
21	drawdown of the stream.
22	Q So it's then a Pre-Cambrian area, in two
23	places which there were Fre-Carcbrian had different
24	amounts of rainfall, then there would be different minimum
25	lot sizes, is that what you're saying, or there could be?

Dresdner - direct

1

2

Dresdner - direct 50	0
A Yes, theoretically if there — if the rainfall	
was different, the Pre-Cambrian area occurs in northwester	rn
New Jersey, and they applied a general rainfall based on	
experience and observations that reflected the conditions	
in northwestern New Jersey.	
Q Do you 'know what the rainfall that they	
were referring to is in this area?	
A No.	

Is there, I guess what I'm trying to get O at is there a formula by which we can translate this rainfall into a conclusion that results in three acres rather than five acres or two acres or one acre?.

Yes, there is a formula that they have, I don't 'know what it is.

> I see. Q

And it's expressed not as a formula, but rather as text, but it could be formulated.

You're not aware of how they did it is what you're saying?

No, I am aware of how they did it, I just don't have the numbers, the — I'm aware of the methodology.

Maybe you can explain the methodology to Q me a little bit. Supposing we get this rainfall. How do we arrive, what is the approach that we derive from that a number?

A	A	cert	tain	amount	of	the	rainf	fall,	and	let's	assume
50	inches	over	the	course	of	the	year	falls	on	a ten	mile
are	a.										

Q Okay.

A certain percentage of that runs off in streams, o"kay. The remaining percentage filters into the ground.

A portion of that percentage that filters into the ground is transpired through vegetation.

The remaining works its way down through the soil and into the rock — into the fissures and cracks of the Pre-Cambrian bedrock where it remains, unless the fissure is filled with water and overflows and continues falling along the top of the bedrock until it eventually hits a point where it intersects with a stream and then the groundwater is carried off.

Now, wells tap those fissures and draw the water out. The Lords study states that in areas of Pre-Cambrian formation enough water falls and percolates through the soils into the fissures of the rock to permit the withdrawl of .33 to — excuse me, 33 to 25 gallons per day per acre, as I recall something like that, that translates into one family per four acres — per three or four acres.

Now, if that amount is withdrawn daily over the year, rainfall will replenish the reservoir, the

groundwater reservoir.
Q What happens if that's exceeded?
A Well, the water is drawn down in the fissures and
over time the well runs dry.
Q Is there, I guess is there any way of knowing
over what period of time this takes, are we talking about
one year, fifty year or two hundred year process?
A There is really no way of knowing, because the
amount of water you can draw out of a well in the
Pre-Cambriart situation depends on not only the depth of
the well, but how many cracks you draw from and how large
those cracks are.
Q Now, the Morris Township Master Plan refers
to a number of different types of Pre-Cambrian —
A Excuse me, Mendham Township.
Q I keep saying Morris. Does it make a
difference which type of Pre-Cambrian we're talking about
or does all the Pre-Cambrian have the same water constraints:
A Well, Pre-Cambrian essentially has the same water
constraints. Pre-Cambrian means the — it's really an
expression of time, that is when the rock structure was
formed.
Q Let me just for a second refer to the
Master Plan, page four, I believe — all right. There was
references to, for example, marble and scarp, which they

Dresdner - direct

	3
	4
	5
,	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
:	2f
	21
	22
	23
	24
	25

Dresdner - direct 53
identify as MSK, then there is one which they identify is
. various types of GH, all of these things, the HQ, all
have the same water constraints?
A Essentially the same, yes.
Q Are there sources of water in Mencham
Township other than wells?
A Well, there is a reservoir, but that's north of
Mendham Township, it's the Eorough's reservoir, but
that's located in Randolph. There may be an occasional
spring, I don't know the source of the Shiff Reservation's
water.
. C What about the Morristown. reservoir, is
that in Mendham Township, the one that Morristown owns?
A I believe it may be, I believe it is.
C Do you have any idea what its capacity is?
A No. $\label{eq:Q} \mbox{\ensuremath{\text{\sc Q}}} \mbox{\ensuremath{\text{\sc Do}}} \mbox{\ensuremath{\text{you}}} \mbox{\ensuremath{\text{know}}} \mbox{\ensuremath{\text{whether}}} \mbox{\ensuremath{\text{they}}} \mbox{\ensuremath{\text{allow}}} \mbox{\ensuremath{\text{any}}} \mbox{\ensuremath{\text{residents}}} \mbox{\ensuremath{\text{gl}}}$
of Mendham Township to use it?
A No, I don't.
- MR. BERNSTEIN: I would just interject that
in the Answers to Interrogatories we mention
the amount of homeowners that tapped into existing

water companies. It was a small number.

So you have no idea whether there would be any possibility for other future residents of the Township

	Dresdner - direct 54
1	to utilize —
2	A No, I don't. I don't >aow what the Morristown
3	Water Company's policy is, nor do I 'kaov- whether they
4	provide residents, other residents from outside of
5	Morristown or Morris Township.
6	Q What percentage of Morris Township land
7	is Pre-Cambrian, do you have any idea?
8	A Eighty percent.
9	Q The rest is what, Cambrian?
10	A Cambrian or Ordovician or Triassic.
11	C *hat is the ability to get water through
12	wells -froT. Carrbrian, is it any. different than Pre-Cambrian? j
13	A No, it would be less so, I believe.
14	Q What about the other one that you mentioned,
15	the Ordovician?
16	A It's not substantially different than Pre-Cambrian.;
17	Q And what about, I guess the last one?
18	A Triassic? j
19	Q Yes. I
20	A That's eaually poor.
21	Q Now, I believe it ¹ on page seventeen or
22	eighteen, you rjfer to the metuo^olocv proposed by Nisewand
23	and Pevser. What are vou f?peal <in→ a'="" out="" t':ere?<="" th=""></in→>
24	A They erapared » document. It's ^ carrving
25	capacity concept that is based inart on the Lords study,

Dresdner - direct

1	and expanded to include air auality considerations. I
2	loaned out some of the information to some people who
3	were doing some zoning ordinances in another community,
4	and I contacted them on Thursday to mail back the
5	periodicals and material I sent them. I hoped to receive
6	it by this morning.
7	Q Now, the page eighteen of your report
8	indicates that normal year recovery rates for the
9	Pre-Cambrian rock types are in the neighborhood of
10	250,000 gallons per day per sauare mile. Where does —
11	where does that figure come from?
. 12	A This is the Bulletin 74 of the Lords, study, and
13	on page 44 of the report indicates the normal recovery
14	rates from rock types, and below that indicates the
15	recommended lot sizes for well and septic tank 10 acres.
16	Q Is what the 250,000 figure is?
17	A Yes, is that three, yes.
18	Q Now, going back to the Nisewand-Peyser
19	study, they are assuming a carrying capacity of less than
20	one percent per acre, that's assuming that there was
21	wells, is that correct?
22	A Yes.
23	Q Do they make any conclusion what would be

possible if there was a way of getting public water? I don't know.

24

25

Drssdner - diract

MR. BERNSTEIN: I would object to this,
because as I understand the Nisewand study, it's
based on the limitation of groundwater, and if
you had public water, I don't believe the study-
would be pertinent.

MR. iMEISER: We're at a disadvantage, because he doesn't have the study before us.

MR. BERNSTEIN: You've got a copy in the Public Advocate's office.

Q Do you have any opinion yourself as to what type of development would be possible, if there were public water available to the Township?

• • • ...

MR. BERNSTEIN: I'd like to know when you use the word possible, do you mean physically possible, that is something that could physically be done or something that Mr. Dresdner would suggest as a planner and environmentalist?

I think either cruestion is pertinent.

I just want to know the nanner in which you use the word possible.

Q Without major environmental detriment, if, for example, public water were able to come in the Townshipj do you have an opinion as to the density that could be used in the Township without serious environmental detriment?

It's not only a auestion of public water or using public watar, but also a auestion of the land coverage, because the greater the percentage of land you cover, the greater the increase of surface water runoff, the less the infiltration of water into the ground, which means that during the dry periods, streams which ordinarily run full, replenished by groundwater, run dry, because the groundwater isn't there any more.

By groundwater I don't mean the very deep stuff, but water that's tolerably close to the surface that replenishes streams. My general opinion is that Mendham, as is much of western Morris County, is located in an area that is extremely sensitive and environmentally that is part of the service system to Newark, Elizabeth, those sections of eastern Hudson and Union Counties that take advantage, if you will, and use the resources from western Morris County in order to support the very high densities that exist on the — on that portion of the coastal plain.

and and che: area in order to build up the densities that exist now, so in my opinion, it's most important that the environmental cuality of western Morris County be retained in order to maintain the infrastructure at least in terms of water that is necessary for Newark and Jersey City and

2©

2(H

so on and so forth.

Q You're talking about ecuitable distribution of **the** region. What does region mean to you?

A Where do I say that, because not that I have any qualms about answering that, I just want to make sure.

MR. BERNSTEIN: The only question I have is are we talking about eauitable distribution of low **and** moderate income people or something else?

Q Let me refer him to, for example, on page three of your report there is a discussion of regional planning regarding an equitable distribution of resource and development, and we're talking about one community should have high development and another commercial and another open space. I'm curious what you see as the region.

A In that case it would be a metropolitan region that would extend from the Hudson to the Delaware from, say, the Raritan north, really northern Jersey. To my recollection I don't think I've ever related my sense of the region to the housing sense of the region, whatever that is.

Q So yours would include -- what counties would it encompass?

1	A Zssex, Union, Bergen, indeed Hudson, Hunterdon.
2	C Is this —
3	A Sorrerset.
4	MR. E2RNSTEIN: tiave you finished? It
5	seems there are more counties. Are you talking
6	about all the counties between —
7	THE WITNESS: In northern New Jersey as a
8	region.
9	Q What in your mind characterizes this as a
10	region, how do you, what factors are important to you in
11	making that decision?
12	A Well, a Central, central city, which is Newark. •
13	In fact — yes, Newark, Jersey City, Elizabeth, that's
14	the central city, and these are the hinterlands that
15	serve that central city, and the further out you go from
16	the central city, the less the pull, the weaker the
17	gravity.
18	Q Now, you've gone into a discussion of some
19	of the problems without public water of any source, and
20	you have-talked about some of the problems that could
21	V" exist still with degradation, even if it was public water
22	I'm wondering is there any way to quantify
23	these probltTS, for example, lot -?e give you an example
24	and see i' there is any way wo c'n get a specific.
25	"•e hnd a vacant developable land raap 533

Dresdner - direct

acres, if we took 100 acres of that in the Township, let's say up in the north, northeastern section, instead of zoning them one to the acre, zone then four, five, six to the acre. How would we start cuantifying in any way what the difference is in the runoff, is there any way to do that?

A Yes, you can quantify the difference in runoff, you can also quantify the difference in the duality of the runoff.

You can quantify the loss of recharge, you can do all those things.

. C . What data would you need before **you could** do that?

A Well, the first things you would need are the assumptions, if you're talking about four units per acre, we would make certain assumptions on the percentage, of coverage, the difference between coverage now and coverage then. From that, as well as the knowledge of the soils, the slope, the vegetation, you can then come up with a number as to the total volume of runoff that could be expected in a twenty-five year storm, for example, the peak, the change in peak rates of runoff, the loss of infiltration, the cuality of the anticipated runoff, assuming that it's an \fban condition which four units per acre would be, urban storm water has

PENGAD CO., BAYONNE, N.J. 07002 - FORM 2046

1						
1	characteristics that are different from agricultural					
2	runoff. The hydrocarbons, for example, is higher, so that					
3	all of this can be Quantified.					
4	Q Now, would the closeness to the stream or					
5	to water be a major factor in this?					
6	A It would in certain respects, sure. I'm thinking					
7	not as a water source, but rather as a potential for					
8	degrading the stream					
9	Q The closer to the stream the more potential					
10	for degrading it, is that —					
11	A Yes.					
12	Q Now, it's my understanding that there are					
13	no public sewers in Mendham Township, is that correct,					
14	as your understanding?					
15	A As I recall there are no public sewers in					
16	Mendham Township.					
17	Q Have you ever represented in any way					
18	a builder who wanted to use a package sewer treatment					
19	plant?					
20	A Probably.					
21	Q Do you remember when?					
22	A It would be before 1970.					
23	Q What are the environmental disadvantages of					
24	using a package plant in Mendham Township, if the					

developer wanted to use higher density development?

Dresdner - direct

A First there is the Question of capability of the receiving stream. In order to use a package treatment plant, you should have a stream with a certain volume, year round volume of water. Now, if during the summertime the stream becomes very low and the discharge from the package treatment plant makes up most of the stream flow, you've destroyed the chemical and biological characteristics of the natural stream.

Recognizing that a package treatment plant permits higher densities or would encourage higher densities, that would be accompanied by increased land cover. The increased land cover would increase storm water runoff and reduce the retentive capacity of the soils.

Therefore, during the low flow periods, you wouldn't have recharge of the streams that you would ordinarily have, and they would become in effect drier, so by the combination of the package treatment plants and higher density, you reduce the assimilative capacity of the stream under conditions when you need every bit of that assimilative capacity because you have treated effluent, outfalling into the stream, so it's counterproductive.

Q Have you ever been involved in submitting an application for a package plant to the Department of

Environmental Protection?

2	A No.
3	Q Are you familiar at all, first of all,
4	let me as"k you, does the Department of Environmental
5	Protection have to, to your knowledge, approve these
6	before they can be built?
7	A Yes, they would probably have to approve it on
8	two counts, one, the treatment plant, and two, the
9	stream encroachment permit.
10	Q Are you familiar at all with there procedure
11	for reviewing these?
12	AThe stream encroachment permit, I am.
13	Q What would the applicant have to show the
14	DEP on stream encroachment before he'd be allowed to do
15	it?
16	A He would have to show to the DSP that he was
17	not adversely affecting stream flow, that he was not
18	filling or dredging in a flood way, and he would have
19	to demonstrate that the peak the storm flood elevation
20	would not increase more than .2/10ths of a foot after
21	the proposed construction.
22	Now, that's for the stream encroachment
23	permit, not for outfalling sewerage effluent into a

stream. I'm less familiar with that.

25

24

lunchson recess is taken.)

2 Q Page seventeen of your report you speak of 3 4 offset areas. Now, is there many studies or any 5 determination of how much of a region should be 6 appropriately set aside as an offset area? 7 No, not to my "knowledge, it's a, it's a concept 8 that I think is important that is generally recognized, 9 but it hasn't been applied specifically. 10 \mathbf{C} Well, we've been speaking earlier about 11 western Morris County, supposing arbitrarily half of that area was developed at higher densities and the. • 12 13 other half was kept at extremely low densities of much 14 less than an acre a person. How would we know if we're setting aside 15 too much, too little offset areas, is there a way of 16 17 knowing this? I think a start would be to assume a density of 18 19 one unit per three or four acres for ail of the 20 Pre-Cambrian, and most of western Morris County is 21 Pre-Cambrian. 22 Now, since the Pre-Carrbrian sources — 23 since sources of water in Pre-Carrbrian rocV are really 24 isolated, rather than dispersed, that is you don't have 25 an underground river of stratified r.ock to stick a well

(Whereupon, a

•

ł

1 into and suck from a large area.

You're pulling the water out from relatively consolidated areas. You really can't say the northern part of the western naif will be high density and the southern part will be low density, because the water resources are limited.

However, within a community, you can make that kind of a distinction.

Q Do you know **of any** places in northeastern

Jersey where there's been high density development built

on Pre-C^mbrian developed lands, rocks?

MR B3RNSTEIM: I'd like to know if **the** cuestion is a source of water or not a source of water?

MR MEISZP: First I have to find out if he knows.

A Yes.

Where and under what circumstances hac it been built?

A I don't know. I know in passing I see higher density, for example, taking. Rout a ?0 out I see higher density on Fre-Cambrian rock, that's something that was a project that came immediately to mind ns 1 was out there.

W vhat town are we talking about, whsr-j on

Ł

Routa 30? 1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

It would probably be in western Morris County, possibly in

i'lR. EERNSTSIN: Mount Olive?

Mount Olive or Roxbury, Mount Olive or P.oxbury. A

Now, we've referred to slope limitations. When we're talking about a land with a twelve percent slope, is that an average for the entire thing or is that one point of the acre that has the twelve percent slope, how do we usually determine what we mean by land with a twelve percent slope?

That, that's generally an average, but reflecting a vary, a relatively limited range below twelve percent, that is we are talking about twelve percent or more.

If we're talking of twelve percent only, then it would be an average. In this case we're talking of twelve percent or more. In that case we start at twelve percent and determine on the basis of the contour interval what would be steeper.

O Now, you gave a statistic, I believe it was on page eleven, of slopes in excess of twelve percent.

Α Yes.

3id you indicate that you got that from the Master Flan or do you know where you got that from? we-got that as we would have gotten everything

from Catlin's office. However, we did do our own

2.0

21

22

23

24

25

2	individual spotchecking to see whether it was reasonable
3	and accepted it.
4	Q When you say contour interval, how much
5	distance are we talking about there?
6	A Well, the contour interval would be a twenty
7	foot interval, vertical interval, because it's taken from
8	the United States Geodetic Survey Map.
9	Q Is it possible that land which has twelve
10	percent could have some parts ten percent, nine percent,
11	eight percent?
12	A Yes •
13	Q What is your feeling, is twelve percent
14	a reasonable place to draw the limit for high developmen
15	or should a slope be higher or greater than that?
16	A It depends on, you know, the density of developm
17	that you're talking about. Twelve to fifteen percent
18	is generally considered a breaking point for steepness of
19	roads, specifically, and I don't know what the basis for
20	the Department of Community Affairs twelve percent break
21	point is, but twelve to fifteen percent is a reasonable
22	break point to consider as being steep, above which dens
23	should be very, very low, if at all.
24	C Have you ever seen high density developmen
25	of lands at over twelve to fifteen percent in this area?

our interval, how much nere? al would be a twenty , because it's taken from y Map. at land which has twelve en percent, nine percent, ing, is twelve percent limit for high development greater than that? the density of development elve to fifteen percent ng point for steepness of know what the basis for airs twelve percent break percent is a reasonable steep, above which density a11. n high density development

can be done,

1	A Yes, I believe what I mentioned in Mount Olive as
2	an example of that. Of course, in California.
3	Q On Route 80, you mean?
4	A 'Yes.
. 5	Q What has to be done, if anything can be done
6	to make this safe, is there a way of doing it?
7	A Oh, sure, it relates in part to foundation. The
8	foundations may require pinning at bedrock. More
9	important than the safety of the structure would be the
10	inherent hazard of the landscape form itself, that is
11	steep slopes are subject to slumps and slides, heavy
12	erosion, but the first two considerations are inherent
13	to steep slopes.
14	Q The first two being -
15	A Right, that's the slumping or sliding of degree -
16	of debris.
17	Q Is it possible that of these acres which
18	we have listed as twelve percent slopes, the 1900 acres,
19	that some of these acres could have a part or substantial
20	part of the area with less than twelve percent?
21	A I think there can be parts with less than twelve
22	percent, just as in the other areas there could be some
23	with more than twelve percent, because of the contouring.
24	Q But is there any way of knowing, what would
25	you have to do to find it out?
i	

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
4	

ā	Well,	the con	tour :	interva	l we're	using :	is twenty
feet,	so the	accuracy	is l	imited	to that	. You	can make
it mor	e fine	by getti	ng a t	ten foc	t contou	r or a	two
foot c	ontour	interval	but t	that's	unusual	at the	community
level.							

Q Now, turning to the flood plains for a moment, you refer on page nineteen to three areas which have significant flooding, and one is on the North Branch of the Raritan just upstream. How many acres are we talking about there. Do you know?

A No.

•• . . Q Where did you get this information from?

A Got it from the Master Plan map of Flood Prone

Areas, and just upstream of its confluence with Burnett

Brook near the Roxiticus Road crossing would be in this

area.•

Q Now, when they talk about primary flood prone area and secondary flood prone area, where is the basis for distinguishing the two, is there a standard distinction?

A No, it's not a standard distinction.

G If you don't know off t'ns tope of your head, we don't need to go into it.

So your information of what those lands are, the three, the North branch Raritan river, Tingelly Road

1	would all be caken from this map?					
2	A Yes.					
3	Q Did you look at the hUD Flood Insurance					
4	Map yourself?					
5	A I was looking for the HLD Flood Insurance Map					
6	over the weekend, but was not able to find one here,					
7	which I would suggest there is not one or we've loaned					
8	it out.					
9	MR. BERNSTEIN: Could this be one of					
10	the areas where John Thonet might have some					
11	input?					
12.	A ' I. could ask him.					
13	G We don't need to call him in now. I may					
14	have asked you this earlier, but let me ask you again.					
15	Go back to page eleven. Are all the					
16	flood plains and wetlands mapped on either this map. or					
17	another map in the Master Plan?					
18	A Yes.					
19	Q Which one, this one or —					
20	A Oh, it would be this one in the Master Plan.					
21	Q This one has all of the flood plains and					
22	the wetlands?					
23	h >~ell, it has all of the flood plains, £ don't					
24	know wh-sre the v?etlands would be, hut let me check					
25	through, & a -~ l see whither we have it in one of the other					

Dresdner - direct

	С	Dio	d yo	ou f	ind	it,	right	a	way?		
А	There	is	no	map	in	here	that	I	c^n	find	that
would	show it	Ξ.									

C You were talking about in your report streams that are marked FW-2 in this state. First of all, who has control, what agency in New Jersey designates the classification of streams?

A Division of Water Resources of the Department of Environmental Protection.

G Under what circumstances is a stream classified pi-7?

Well, there are three classifications for freshwater streams, FW-1, 7 and 3. Ti-7 covers nost of the streams in western New Jersey and indicates a use classification that that is it should be capable of being used for certain considerations, —any of the streams are not, whether due to — due either to limited flow or to poor quality.

I have a definition, I believe, of 7K-?

streams in here — yes, on page °0, these ara fresh

surface waters approved as sources of public water

j supply, and. they should also be suitable for the maintenance,

.Tiigration, that should be and propagation of the natural i and established sidelines for prirrary contact recreation,

1	which is swiir.ming, as well as for industrial and
2	agricultural water supply.
3	Q Does the DE? impose any restrictions on
4	building near a FW-2 stream?
5	A only within the flood plain of the FW-2 stream,
6	and for any outfalls into the stream as they would for
7	any stream, one, two or three.
8	Q So they do not directly say what can or can
9	not be built near the stream other than what you just
10	set forth?
11	A That's correct.
12	Q Do they impose any restrictions for either
13	FW-2 or FW-1?
14	A Well, it would be the same "kind of restrictions.
15	Q Do you know which of the streams in Morris
16	County today, the FW-2 streams are in violation of the
17	state standards, did you do any research on that aspect?
18	A No, I didn't.
19	Q I think you mentioned earlier that some
20	Were. What was your basis for that?
21	A I'm sorry.
22	Q Bid you have my basis, I thinle you said
23	earlier that some were in violation of the FW-2 standards.
24	Did I misunderstand you?
25	A I believe you might have misunderstood me, because
- 1	ı

≺resdner - direct

I don't "know which would be -

1

21

22

23

24

25

2 Do you have a position yourself as far as 3 allowing high density development near any FW-2 streams 4 as what you think environmentally should be done? 5 Well, I don't have any problem whatsoever Α 6 generally with high density development being located 7 in proximity to any kind of stream. 8 I do think, however, it has to reflect the 9 environmental constraints that exist, as well as other 10 constraints that exist within the area. 11 You're saying it's rather how it's built than the* fact that it's built? I don't, want to put 12 13 words in your mouth. 14 Well, it goes back to something I had mentioned 15 before, that the distribution of land uses depends on 16 a number of factors, some of which relate to environment, 17 some of which relate to economics, some of which relate 18 to transportation, and it's only by putting all of these 19 together that I could come to a conclusion as to the 20 reasonableness.

Q So the fact that it was near a FW-2 stream by itself wouldn't help you make that decision without seeing these other factors?

- A That's correct.
 - Q Does the state impose any additional

stream is trout

2	producing or for trout maintenance?
3	A Yes.
4	Q What are those additional restrictions?
5	A They relate to the duality of the point source
6	outfall into the stream, by that they're talking about the
7	height from a sewerage treatment plant or a factory, but
8	they wouldn't address densities in that respect.
9	Q If a sewerage treatment plant or a factory
10	was near there, they'd have to get continuing approval or
11	is this just approval for construction to build near
12	this trout producing stream?
13	A It's not the building, it's the outfall into the
14	stream.
15	Q Into the stream?
16	A Right, and they would reauire a construction
17	permit as well as an operations permit. The operations
18	permit would be accompanied by regular and periodic
19	stream monitoring, but that would be for whatever stream.
20	Q Now, on page 71 you refer to examples of
21	degradation of recreation facilities as a result of this
22	development projects adjacent to Rsndoloh-Mendham Borough.
23.	>7hat are those two developments $t : nt$ you're referring
24	to there?
25	A Well, in Randolph, I don't recall. in Mendham,

limitations or restrictions if a FW

Dresdner - direct

Ł

	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20

22

23

24

25

it's specifically the lake that Mendham had — the Eoroug¹of Mendham has used for swimming purposes and then was

closed down as a result of upstream development.

Q Have you --

Dresdner - direct

1

2

3

4

5

6

A I shouldn't say as a result of upstream development, but it was closed down.

Q Do you have any personal knowledge as to why it was closed down or the factories that led it to be?

A No.

Q On the Randolph thing, do you **remember what** you were referring to in Randolph that you used **it** there?

A No, I would have to, I guess confer with John

Thonet on that.

Q Is there a problem when you've got streams such as FW-2 with pollutants from agriculture? I guess I'm referring to fertilizers, chemicals, things like that.

A Oh, yes, agricultural runoff is — contains a

high percentage of nutrients. It's less of a problem

to the stream and more of a problem to the lake downstream j

where such things occur. The high degree of nutrients

increase bacterial action in the lake, in shallow lakes;

or warr lakes, cause algae blooms and hasten trie

eutrophication of lakes. In streams it has less of an

So that SOIT,2 of tje open spied could be

75

Dresdner - direct

25

 \boldsymbol{U}

used for retention basins, perhaps rather than trees or some other raspects?

A Yes, to the extent that detention basins are used, that is the wisest and best use of it, to integrate it with a landscaping plan.

O In page 22 of your report you discuss some of the advantages of sanitary sewers. Is there any, and I guess you listed the advantages of sanitary sewerages over public sewer systems. Is there any quantification of how much in a given instance or any approach of savings these factors can be through sanitary sewers?

A Septic tanks?

Q Yes.

A The essential difference between septic tanks and public systems is that the water you pull out of the ground for drinking, washing, cooking, sanitary uses, goes right back in with the exception of perhaps ten or fifteen percent which evaporates somewhere. There is replacement of water taken out.

Once you institute a public system, all of that water that is taken out of the ground is never — is never returned, because it goes directly into a stream, the stream in turn eventually ends up in the sea. There is no recharge.

On page 23 you refer to developments of 1 Mendham and suburban densities were adversely affect 2 hydrological conditions in Morristown. 3 4 What were you referring to there? 5 The base flows of the streams that provide 0 6 the water to the reservoir in Mendham that serves 7 Morristown would be reduced, perhaps more importantly, 8 the fluctuations of the Whippany River will be increased 9 and flooding conditions downstream on the Whippany which passes through Morristown will be exacerbated. 10 11 Now, are you assuming in that development 12 of the entire Township or any part of the Township, were 13 you making any assumptions when you're talking about the 14 possible adverse affects on Morristown? 15 Well, in this case it would be in the Whippany River basin, which would be the northwestern portion. 16 17 Are you saying that any development of 18 the Whippany basin would have this effect? 19 Α Any development in the Whippany basin would have 20 a downstream affect, depending on the magnitude of the 21 development and the mitigating factors that would result 22 in the effect on Morristown. The greater the development, 23 the greater the effect. So in other words if we build one house on 24 25 a five acre lot that's going to have some possible effect.

	Ti you were sophisticated enough, you could measure:
2	A Theoretically it would have an effect.
3	Q Now, is there any way that you could make
4	an estimate how large a development you'd have to get
5	before you get any substantial measurable results of the
6	type you're discussing?
7	A Yes, you can come up with quantitative figures,
8	it again would depend on the assumptions related to
9	population density coverage and total numbers.
10	C What about the Great Swamp, you are referring
11	on page 23 to effects on the Great Swamp. What are you
1.2	talking about there? • • • •
13	A That would be in the Passaic River basin portion
14	of the Township of Mendham, which includes part of the
15	Great Swamp. The surfacing groundwater regime of the
16	Great Swamp has to be maintained in order for it to
17	continue serving as a wildlife refuge. If the water in
18	the Great Swamp goes down, its role as a wildlife refuge
19	as well as a - no, its role as a wildlife refuge will
20	decrease. If the water in the Great Swamp increases,
21	then its role as a vast detention basin for the lower
22	Passaic will be lost.
23	Q When you refer to transportation, your
24	discussion of Route 24, did you do any study of the
25	road capacity of Route 24, how much traffic can be

Dresdner - direct

CERTIFICATE

I, Karen Hansen Geisler, C.S.R.,
a Notary Public and Shorthand Reporter of the
State of New Jersey, do hereby certify that

prior to the commencement of the examination

Allen J. Dresdner

was duly sworn by me to testify the truth, the whole truth and nothing but the truth.

I DO FURTHER CERTIFY that the foregoing.

is a true and accurate transcript of the testimony
as taken stenographically by and before me at the

time, place and on the date hereinbefore set forth,
to the best of my ability.

I DO FURTHER CERTIFY that I am neither

a relative nor employee nor attorney nor counsel

of any of the parties to this action, and that. I

am neither a relative nor employee of such attorney

or counsel, and that I am not financially interested

in the action.

L-C&L^\^__

feedler

Notary Public of the State of New jersey