		807
805		
	-01:-17:-48	try to get into that microphone.
BEFORE THE BOARD OF SUPERVISORS	-01:-17:-48 2	One housekeeping item I want to
OF THE TOWNSHIP OF WESTTOWN CHESTER COUNTY, PENNSYLVANIA	-01:-17:-44 3	clear up before we start the fifth hearing this
CHESTER COUNTY, PENNSYLVANIA	-01:-17:-41 4	evening. In reviewing portions of the
5 VOLUME 5	-01:-17:-40 5	transcript and the exhibits that we had I
6	-01:-17:-38 6	noticed that the Planning Commission had marked
7 IN RE: CONDITIONAL USE APPLICATION	-01:-17:-36 7	a PC 1 and PC 3. I was pretty sure there was a
θ TOLL PA XVIII, L.P.	-01:-17:-31 8	PC 2, but I didn't have it marked and the
9 10 Hearing was held at the Bayard	-01:-17:-29 9	transcript didn't reference it.
Rustin High School, Auditorium, 1100 Shiloh 11 Road, West Chester, Pennsylvania, on Tuesday,	-01:-17:-27 10	Speaking with Ms. Camp prior to
June 20, 2017, beginning at 6:06 o'clock, 12 p.m.	-01:-17:-26 11	the meeting, PC 2 was the portion of the
13	-01:-17:-22 12	Michael Harris book <i>Military History of the</i>
14 BEFORE: MICHAEL T. DIDOMENICO, Chairman	-01:-17:-18 13	Battle that Lost Philadelphia but Saved
15 CAROL R. DEWOLF THOMAS HAWS	-01:-17:-14 14	America, and it was pages 314 through 321. So
16 17	-01:-17:-07 15	I just want to note that that has now been
ALSO PRESENT: ROBERT R. PINGAR, 18 Township Manager	1	
19	-01:-17:-05 16	marked for the record as PC 2. So we have PC
20	-01:-17:-02 17	1, 2 and 3 now marked. I had the exhibit, but
21	-01:-16:-59 18	it was not marked.
22 23 ELEANOR J. SCHWANDT, RMR	-01:-16:-58 19	When we were here last month the
-01:-22:-84 COURT REPORTER	-01:-16:-55 20	applicant had presented testimony from their
	-01:-16:-51 21	traffic consultant. Ms. Kline could not be
	-01:-16:-47 22	here this evening. We are going to go a little
	-01:-16:-45 23	bit out of order.
	-01:-16:-44 24	First thing to ask this evening,
806 1 APPEARANCES:		808
1 AFFLARANCES	-01:-16:-43 1	
	-01:-10:-43	as I do everyone time, is there anyone
2 PATRICK M. MCKENNA, Esquire	-01:-18:-40 2	as I do everyone time, is there anyone recording the meeting?
on behalf of the Board of Supervisors		
_	-01:-16:-40 2	recording the meeting?
on behalf of the Board of Supervisors	-01:-16:-40 2 -01:-16:-39 3	recording the meeting? MR. BRAXTON: Yes.
on behalf of the Board of Supervisors GREGG I. ADELMAN, Esquire on behalf of the Applicant	-01:-16:-40 2 -01:-16:-39 3 -01:-16:-39 4	recording the meeting? MR. BRAXTON: Yes. MR. MCKENNA: Thank you. And it
on behalf of the Board of Supervisors 3 GREGG I. ADELMAN, Esquire	-01:-18:-40 2 -01:-16:-39 3 -01:-16:-39 4 -01:-16:-38 5	recording the meeting? MR. BRAXTON: Yes. MR. MCKENNA: Thank you. And it is video?
on behalf of the Board of Supervisors GREGG I. ADELMAN, Esquire on behalf of the Applicant KRISTIN CAMP, Esquire	-01:-18:-40 2 -01:-18:-39 3 -01:-18:-39 4 -01:-18:-38 5 -01:-18:-37 6	recording the meeting? MR. BRAXTON: Yes. MR. MCKENNA: Thank you. And it is video? MR. BRAXTON: Yes. MR. MCKENNA: Would you identify
on behalf of the Board of Supervisors GREGG I. ADELMAN, Esquire on behalf of the Applicant KRISTIN CAMP, Esquire on behalf of Westtown Township Planning Commission	-01:-16:-40 2 -01:-16:-39 3 -01:-16:-39 4 -01:-16:-38 5 -01:-16:-37 6 -01:-16:-36 7 -01:-18:-35 8	recording the meeting? MR. BRAXTON: Yes. MR. MCKENNA: Thank you. And it is video? MR. BRAXTON: Yes.
on behalf of the Board of Supervisors GREGG I. ADELMAN, Esquire on behalf of the Applicant KRISTIN CAMP, Esquire on behalf of Westtown Township	-01:-18:-40 2 -01:-18:-39 3 -01:-18:-39 4 -01:-18:-38 5 -01:-18:-38 7 -01:-18:-38 7 -01:-18:-38 8 -01:-18:-34 9	recording the meeting? MR. BRAXTON: Yes. MR. MCKENNA: Thank you. And it is video? MR. BRAXTON: Yes. MR. MCKENNA: Would you identify yourself again, please. MR. BRAXTON: John Braxton.
on behalf of the Board of Supervisors GREGG I. ADELMAN, Esquire on behalf of the Applicant KRISTIN CAMP, Esquire on behalf of Westtown Township Planning Commission KATHRYN L. LABRUM, Esquire on behalf of Thornbury Township	-01:-16:-40 2 -01:-16:-39 3 -01:-16:-39 4 -01:-16:-38 5 -01:-16:-37 6 -01:-16:-36 7 -01:-16:-35 8 -01:-16:-34 9 -01:-16:-31 10	recording the meeting? MR. BRAXTON: Yes. MR. MCKENNA: Thank you. And it is video? MR. BRAXTON: Yes. MR. MCKENNA: Would you identify yourself again, please. MR. BRAXTON: John Braxton. MR. MCKENNA: Thank you very
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	809		811
-01:-15:-59	along.	-01:-14:-19 1	MR. ADELMAN: I'm sorry.
-01:-15:-58	Mr. Adelman, anything further	-01:-14:-18 2	Specifically, I apologize, land planning and
-01:-15:-56 2	from you at this point?	-01:-14:-18 3	fiscal impact studies as well I'm asking him to
55 4	MR. ADELMAN: Nothing further.	-01:-14:-13	be qualified.
-01:-15:-54	MR. MCKENNA: All right. Then	-01:-14:-13 5	MR. THOMPSON: I don't have an
-01:-15:-53	why don't you go ahead and call your witness.	-01:-14:-12	objection.
-01:-15:-51	MR. ADELMAN: Thank you very	-01:-14:-11	MS. LABRUM: No objections.
-01:-15:-51	much, Mr. McKenna. At this time I would like	-01:-14:-11	MR. MCKENNA: Okay. He will be
-01:-15:-49 9	to call David C. Babbitt to testify and be	-01:-14:-10 9	admitted as an expert.
-01:-15:-46 10	sworn.	-01:-14:-09 10	MR. ADELMAN: Great. Thank you
11	DAVID C. BABBITT,	-01:-14:-08 11	very much.
12	the witness herein, having first been	-01:-14:-07 12	THE WITNESS: Thank you.
13	duly sworn on oath, was examined and	-01:-14:-07 13	BY MR. ADELMAN:
-01:-15:-36 14	testified as follows:	-01:-14:-05 14	Q. David, briefly, could you tell us what
-01:45:436 15	MR. ADELMAN: Just for the	-01:-14:-04 15	your involvement is with respect to Toll
-01:-15:-35 16	Board's information, Mr. Babbitt is going to	-01:-14:-02 16	Brothers' proposed development of the Crebilly
-01:-15:-33 17	testify sitting down because he has a leg	-01:-14:00 17	Farm?
-01:-15:-31 18	injury and is unable to stand for long periods	-01:-14:00 18	A. I was asked to prepare a fiscal impact
-01:-15:-29 19	of time. So to the extent that you can't hear,	-01:-13:-57 19	analysis for the proposed development on the
-01:-15:-25 20	please let us know and I will have him speak to	-01:-13:-54 20	Crebilly Farm property.
-01:-15:-22 21	the microphone closer.	-01:-13:-53 21	Q. I would like to show you what I have
-01:-15:-21 22	And also, the exhibits that Mr.	-01:-13:-51 22	marked as Exhibit A-26. If you could identify
-01:-15:-20 23	Babbitt will be testifying to had been	-01:-13:-48 23	that document for the record, please.
18 24	previously distributed to all counsel and to	-01:-13:-46 24	A. Yes, this is the Fiscal Impact Analysis
	910		949
ľ	810	1	812
-01:-15:-15	the township, I believe a couple of meetings	-01:-13:-44	for the Proposed Toll Brothers, Incorporated
-01:-15:-15 1 -01:-15:-12 2		-01:-13:-44 1 -01:-13:-40 2	
	the township, I believe a couple of meetings	١ .	for the Proposed Toll Brothers, Incorporated
-01:-15:-12 2	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27,	-01:-13:-40 2	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October
-01:-15:-12 2 -01:-15:-07 3	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with	-01:-13:-40 2 -01:-13:-38 3	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016.
-01:-15:-12 2 -01:-15:-07 3 -01:-15:-04 4	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN:	-01:-13:-40 2 -01:-13:-38 3 -01:-13:-38 4	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did.
-01:45:42 2 -01:45:07 3 -01:45:04 4 -01:45:01 5	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you	-01:-13:-40 2 -01:-13:-38 3 -01:-13:-36 4 -01:-13:-33 5	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis?
-01:45:42	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you	-01:-13:-40 2 -01:-13:-48 3 -01:-13:-38 4 -01:-13:-33 5 -01:-13:-31 6	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis?
-01:45:42 2 -01:45:07 3 -01:45:04 4 -01:45:01 5 6 -01:45:00 7 -01:44:59 8 -01:44:56 9	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record?	-01:-13:-40 2 -01:-13:-38 3 -01:-13:-36 4 -01:-13:-31 6 -01:-13:-30 7 -01:-13:-28 8 -01:-13:-27 9	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue
-01:45:42 2 -01:45:07 3 -01:45:04 4 -01:45:01 5 6 -01:45:00 7 -01:44:59 8 -01:44:56 9 -01:44:54 10	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae.	-01:-13:-40 2 -01:-13:-38 3 -01:-13:-38 4 -01:-13:-33 5 -01:-13:-31 6 -01:-13:-30 7 -01:-13:-28 8 -01:-13:-27 9 -01:-13:-23 10	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development
-01:-15:-12	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district.
-01:45:42	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr.	-01:-13:-40 2 -01:-13:-38 3 -01:-13:-38 4 -01:-13:-33 5 -01:-13:-31 6 -01:-13:-20 7 -01:-13:-22 8 -01:-13:-22 10 -01:-13:-23 10 -01:-13:-23 11	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did
-01:45:42	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact
-01:-15:-12	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon	-01:-13:-40 2 -01:-13:-48 3 -01:-13:-38 4 -01:-13:-39 5 -01:-13:-30 7 -01:-13:-28 8 -01:-13:-27 9 -01:-13:-28 10 -01:-13:-28 11 -01:-13:-48 12 -01:-13:-14 13 -01:-13:-14 13	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis?
-01:-15:-12	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for
-01:-15:-12 2 -01:-15:-01 4 -01:-15:-01 5 -6 -01:-15:-00 7 -01:-14:-9 8 -01:-14:-9 10 -01:-14:-48 11 -01:-14:-48 12 -01:-14:-48 13 -01:-14:-48 14 -01:-14:-48 15 -01:-14:-48 15	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail.	-01:-13:-40 2 -01:-13:-38 3 -01:-13:-36 4 -01:-13:-31 6 -01:-13:-30 7 -01:-13:-28 8 -01:-13:-27 9 -01:-13:-27 11 -01:-13:-41 12 -01:-13:-14 13 -01:-13:-14 13 -01:-13:-14 14 -01:-13:-14 15 -01:-13:-08 16	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the
-01:-15:-12	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail. If the Board is willing to accept	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the Rutgers University Center For Urban Policy
-01:45:42 2 -01:45:07 3 -01:45:04 4 -01:45:01 5 -6 -01:45:00 7 -01:44:59 8 -01:44:56 9 -01:44:54 10 -01:44:48 11 -01:44:48 12 -01:44:48 13 -01:44:48 14 -01:44:48 16 -01:44:38 16 -01:44:38 16 -01:44:38 17 -01:44:38 17	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail. If the Board is willing to accept his qualifications and the other counsel, I	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the Rutgers University Center For Urban Policy Research. It is called the Per Capita
01:45:42 2 -01:45:07 3 -01:45:04 4 -01:45:01 5 6 -01:45:01 7 -01:44:59 8 -01:44:59 10 -01:44:48 11 -01:44:48 12 -01:44:48 13 -01:44:48 13 -01:44:48 14 -01:44:48 15 -01:44:48 17 -01:44:48 17 -01:44:48 17 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:48 18 -01:44:38 18 -01:44:38 18	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail. If the Board is willing to accept his qualifications and the other counsel, I could move forward to his testimony.	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the Rutgers University Center For Urban Policy Research. It is called the Per Capita Multiplier Method that is for both the township
01:45:42 2 -01:45:07 3 -01:45:04 4 -01:45:01 5 6 -01:45:00 7 -01:44:59 8 -01:44:59 10 -01:44:48 11 -01:44:48 12 -01:44:48 13 -01:44:48 14 -01:44:48 15 -01:44:48 16 -01:44:38 16 -01:44:38 17 -01:44:32 18 -01:44:32 18 -01:44:32 18 -01:44:32 19	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail. If the Board is willing to accept his qualifications and the other counsel, I could move forward to his testimony. MR. MCKENNA: Well, I am aware of	-01:-13:-40 2 -01:-13:-48 3 -01:-13:-48 4 -01:-13:-38 5 -01:-13:-31 6 -01:-13:-32 8 -01:-13:-22 9 -01:-13:-23 10 -01:-13:-43 12 -01:-13:-43 13 -01:-13:-41 14 -01:-13:-41 15 -01:-13:-08 16 -01:-13:-08 17 -01:-13:-08 17 -01:-13:-08 17 -01:-13:-08 17 -01:-13:-08 17 -01:-13:-08 19 -01:-13:-08 20	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the Rutgers University Center For Urban Policy Research. It is called the Per Capita Multiplier Method that is for both the township impact as well as the school district impact.
01:45:42	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail. If the Board is willing to accept his qualifications and the other counsel, I could move forward to his testimony. MR. MCKENNA: Well, I am aware of Mr. Babbitt, but let me ask if any counsel or a	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the Rutgers University Center For Urban Policy Research. It is called the Per Capita Multiplier Method that is for both the township impact as well as the school district impact. Q. And is this a methodology you normally
01:45:42 2 -01:45:07 3 -01:45:04 4 -01:45:01 5 -6 -01:45:00 7 -01:44:59 8 -01:44:56 9 -01:44:54 10 -01:44:45 13 -01:44:45 13 -01:44:45 14 -01:44:45 16 -01:44:35 16 -01:44:35 17 -01:44:35 18 -24 44:30 19 -28 20 -01:44:24 21	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail. If the Board is willing to accept his qualifications and the other counsel, I could move forward to his testimony. MR. MCKENNA: Well, I am aware of Mr. Babbitt, but let me ask if any counsel or a party have any objection to Mr. Babbitt being	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the Rutgers University Center For Urban Policy Research. It is called the Per Capita Multiplier Method that is for both the township impact as well as the school district impact. Q. And is this a methodology you normally use in preparing such analysis?
01:45:42	the township, I believe a couple of meetings ago, specifically Exhibits A-25, A-26 and A-27, so I'm not handing out anything additional with respect to his testimony. DIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, I would like to show you what I have marked as Exhibit A-25. Could you identify this document for the record? A. This is my curriculum vitae. MR. ADELMAN: If it is the Board's pleasure, I was intending to call Mr. Babbitt and qualify him as an expert in land planning and fiscal impact studies based upon his experience and education. I can have him go through his resume in detail. If the Board is willing to accept his qualifications and the other counsel, I could move forward to his testimony. MR. MCKENNA: Well, I am aware of Mr. Babbitt, but let me ask if any counsel or a	-01:-13:-40	for the Proposed Toll Brothers, Incorporated Development at Crebilly Farm, dated October 13th, 2016. Q. And did you prepare and supervise the preparation of this Fiscal Impact Analysis? A. I did. Q. What was the scope of the Fiscal Impact Analysis? A. The scope was to examine the revenue and expenditures of this proposed development to both the township and the school district. Q. And, generally, what methodologies did you analyze in preparing the Fiscal Impact Analysis? A. I used the standard methodology for residential development developed by the Rutgers University Center For Urban Policy Research. It is called the Per Capita Multiplier Method that is for both the township impact as well as the school district impact. Q. And is this a methodology you normally

	040		815
4	813	,	
-01:-12:-47	common.	-01:-10:-21 1	The method of determining the
-01:-12:-48 2	Q. And slowly and clearly, if you could	-01:-10:-20 2	number of persons is by multiplying the
-01:-12:-44 3	take us through your analysis in terms of an	-01:-10:-17 3	demographic multipliers for each dwelling type
41 4	overview.	-01:-10:-15	by the number of units for each dwelling type
-01:-12:-40 5	A. Certainly. Page 2 of the analysis	-01:-10:-12 5	and adding them all up. The total comes to a
-01:-12:-34	describes the proposed development and provides	-01:-10:-10	projection of 960 residents overall out of the
-01:-12:-31 7	what we call some of the input figures, the	-01:-10:-05 7	317 proposed units.
-01:-12:-26	number of units, the average price of the units	-01:-10:-03	For the school-aged children the
-01:-12:-23	and so forth. And there also is an executive	-01:-10:00 9	methodology is very similar. I take the
-01:-12:-20 10	summary at the bottom of page and we will get	-01;-09;-58 10	demographic multipliers from the Rutgers study,
-01:-12:-18 11	to that later.	-01:-09:-55 11	multiply them by the number of units in each
-01:-12:-17 12	The assessments and demographics	-01:-09:-52 12	category, and then further multiplied by the
-01:-12:-13 13	are on page 3.	-01:-09:-49 13	percentage of school-aged children in Westtown
-01:-12:-08 14	Excuse me.	-01:-09:-45 14	Township that attend public schools, that
-01:-12:-07 15	The assessments are determined	-01:-09:-43 15	number being 77.4 percent coming from the
-01:-12:-06 16	very simply by multiplying the average price	-01:-09:-37 16	American Community Survey which is a function
-01:-12:-01 17	per unit for each of the two dwelling types by	-01:-09:-35 17	of the United States Census.
-01:-11:-58 18	the number of dwelling types excuse me	-01:-09 -32 18	So the projection is for 177
-01:-11:-58 19	the number of units in each dwelling type and	-01:-09:-29 19	public school, West Chester Area School
-01:-11:-54 20	then by the common level ratio for Chester	-01:-09:-27 20	District students at build-out and full
-01:-11:-48 21	County, which is 53.8 percent for that year.	-01:-09 -24 21	occupancy.
-01:-11:-44 22	That gives us an assessed value of	-01:-09:-24 22	Q. We can move forward and talk about some
-01:-11:-40 23	approximately \$125 million total.	-01:-09:-16 23	of the expenditure numbers that you assumed in
32 24	The demographics are from a	-01:-09:-13 24	your analysis. What did you assume as the
	814		816
-01:-11:-30 1	814 document by the Rutgers University crowd called	-01:-09:-11 1	816 township's annual expenditures and how did you
-01:-11:-30 1 -01:-11:-25 2		-01:-09:-11 1 -01:-09:-08 2	
	document by the Rutgers University crowd called		township's annual expenditures and how did you
-01:-11:-25 2	document by the Rutgers University crowd called Residential Demographic Multipliers, the	-01:-09:-08 2	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for
-01:-11:-25 2 -01:-11:-22 3	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is	-01:-09:-08 2 -01:-09:-07 3	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable
-01:-11:-25 2 -01:-11:-22 3 -01:-11:-19 4	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I	-01:-09:-06 2 -01:-09:-07 3 -01:-09:-04 4	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide
-01:41:425 2 -01:41:422 3 -01:41:419 4 -01:41:415 5	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I believe the nation as a whole, perhaps some	-01:-09:-07 3 -01:-09:-04 4 -01:-09:-02 5	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population
-01:-11:-25	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I	-01:-08-08 2 -01:-08-07 3 -01:-09-04 4 -01:-09:-02 5 -01:-08:-58 6	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population to come up with a per capita multiplier and the
-01:-11:-25	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I believe the nation as a whole, perhaps some territories. This one obviously is specifically for Pennsylvania. And it studied	-01:-08-08 2 -01:-08-07 3 -01:-08-04 4 -01:-08-02 5 -01:-08-55 7 -01:-08-65 8 -01:-08-69 9	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population to come up with a per capita multiplier and the number of dollars that the township spends on
-01:-11:-25	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I believe the nation as a whole, perhaps some territories. This one obviously is specifically for Pennsylvania. And it studied units that were built between 1990 and 2000, in	-01:-09:-08 2 -01:-09:-07 3 -01:-09:-04 4 -01:-09:-02 5 -01:-08:-68 6 -01:-08:-65 7 -01:-08:-62 8 -01:-08:-46 10	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population to come up with a per capita multiplier and the number of dollars that the township spends on average for each person living in the township.
-01:-11:-25	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I believe the nation as a whole, perhaps some territories. This one obviously is specifically for Pennsylvania. And it studied units that were built between 1990 and 2000, in the 2000 Census, differentiated by dwelling	-01:-09:-08 2 -01:-09:-07 3 -01:-09:-04 4 -01:-09:-02 5 -01:-08:-58 6 -01:-08:-52 8 -01:-08:-49 9 -01:-08:-46 10 -01:-08:-42 11	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population to come up with a per capita multiplier and the number of dollars that the township spends on average for each person living in the township. This, of course, would be based on the 2016
-01:-11:-25	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I believe the nation as a whole, perhaps some territories. This one obviously is specifically for Pennsylvania. And it studied units that were built between 1990 and 2000, in the 2000 Census, differentiated by dwelling type, by dwelling size, by dwelling tenure,	-01:-08:-08 2 -01:-09:-07 3 -01:-09:-04 4 -01:-09:-02 5 -01:-08:-58 6 -01:-08:-55 7 -01:-08:-52 8 -01:-08:-46 10 -01:-08:-46 10 -01:-08:-40 12	township's annual expenditures and how did you arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population to come up with a per capita multiplier and the number of dollars that the township spends on average for each person living in the township. This, of course, would be based on the 2016 budget because this study was prepared in
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-01:-11:-25	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I believe the nation as a whole, perhaps some territories. This one obviously is specifically for Pennsylvania. And it studied units that were built between 1990 and 2000, in the 2000 Census, differentiated by dwelling type, by dwelling size, by dwelling tenure, ownership versus rental, and by dwelling value. These were the four characteristics determined to have the greatest impact on the demographics. And then what it is really simply is provides the demographic multipliers,	-01:-09:-08 2 -01:-09:-04 4 -01:-09:-02 5 -01:-08:-58 6 -01:-08:-52 8 -01:-08:-46 10 -01:-08:-46 11 -01:-08:-40 12 -01:-08:-38 13 -01:-08:-38 14 -01:-08:-38 15 -01:-08:-38 17	arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population to come up with a per capita multiplier and the number of dollars that the township spends on average for each person living in the township. This, of course, would be based on the 2016 budget because this study was prepared in October of last year. The eight funds in the township's budget total about \$12.8 million. However, not all of them are annual operating funds. Many of them are capital funds. Some of them are
-01:-11:-25 2 -01:-11:-25 3 -01:-11:-19 4 -01:-11:-15 5 -01:-11:-10 6 -01:-11:-10 8 -01:-11:-06 9 -01:-11:-06 11 -01:-10:-66 11 -01:-10:-66 11 -01:-10:-66 15 -01:-10:-46 15 -01:-10:-46 15 -01:-10:-41 16 -01:-10:-41 17 -01:-10:-47 18	document by the Rutgers University crowd called Residential Demographic Multipliers, the Estimates of Occupants of New Housing. This is dated June of 2006. Rutgers University prepared these studies for each of the 50 states, plus the District of Columbia, I believe the nation as a whole, perhaps some territories. This one obviously is specifically for Pennsylvania. And it studied units that were built between 1990 and 2000, in the 2000 Census, differentiated by dwelling type, by dwelling size, by dwelling tenure, ownership versus rental, and by dwelling value. These were the four characteristics determined to have the greatest impact on the demographics. And then what it is really simply is provides the demographic multipliers, the number of persons per unit and the number	-01:-09:-08 2 -01:-09:-07 3 -01:-09:-04 4 -01:-09:-04 5 -01:-08:-58 6 -01:-08:-52 8 -01:-08:-52 8 -01:-08:-49 9 -01:-08:-42 11 -01:-08:-40 12 -01:-08:-38 13 -01:-08:-38 13 -01:-08:-38 15 -01:-08:-28 16 -01:-08:-28 17 -01:-08:-28 17	arrive at that number? A. Well, the methodology here is to determine the annual operating expenditures for the township that are specifically attributable to existing residential developments, divide that figure by the existing township population to come up with a per capita multiplier and the number of dollars that the township spends on average for each person living in the township. This, of course, would be based on the 2016 budget because this study was prepared in October of last year. The eight funds in the township's budget total about \$12.8 million. However, not all of them are annual operating funds. Many of them are capital funds. Some of them are straight pass-through funds.
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817 819 1 excluded from that total. They include 1 really moving just from one to the other. .n1-.na-.n2 -01:-05:-48 2 pass-through funds, things like state aid for 2 And then the middle of the three -01:-07:-59 -01:-05:-46 3 pensions and for fire protection and for police 3 is excluded because essentially they are 4 coverage, developers' reimbursements, things one-time, upfront, pass-through funds that are -01:-05:-42 5 like that, totaling just shy of \$1 million. typically associated with new development, that -01:-07:-48 -01:-05:-38 The second category of excluded -01:-07:-43 -01:-05:-35 will not be ongoing annual township charges would be development-related funds, expenditures. So building permits is the best 7 7 -01:-07:-40 -01:-05:-32 8 charges that are typically associated with new example. Once a building is built and occupied -01:-07:-37 -01:-05:-30 9 development, residential building permits, 9 there is not going to be a great deal more in -01:-05:-27 10 commercial building permits, inspections, -01:-05:-25 10 revenue or expenditures for the building -01:-07:-31 -01:-07:-29 11 hearing fees and such. I only take 90 percent -01:-05:-23 11 permits for that particular building, of 12 of those out, based on the assumption that -01:-05:-20 12 course. -01:-05:-20 13 -01:-07:-22 13 there will still be ongoing permit activity and So these are all pass-through. other inspections once a development is built, 14 -01:-05:-18 **14** We are trying to avoid double counting. -01:-07:-19 but it will be far lower. So that's about 15 -01:-05:-16 **15** Q. And what did you assume in terms of the \$134,000 -- excuse me -- \$120,000 that gets 16 -01:-05:-13 16 township's annual revenue? -01:-07:-13 17 excluded. -01:-05:-11 17 A. Well, we are not done with expenditures -01:-07:-09 The third ---01:-05:-09 18 18 -01:-07:-09 -01:-07:-07 **19** Q. I'm sorry, go ahead. -01:-05:-09 19 Q. I'm sorry. Please go ahead. -01:-05:-07 **20** -01:-07:-06 20 A. The third category of exclusions would A. Once we get the net operating -01:-05:-04 21 21 be transfers between funds, because we want to expenditures of almost \$6.9 million, the next -01:-07:-03 22 avoid double counting the same money. The -01:-05:00 22 step is to subtract those expenditures that are -01:-06:-59 23 transfers total \$540,100. -01:-04:-56 **23** attributable to existing nonresidential 24 -01:-04:-53 **24** So if we take all of these development. That is a series of calculations .54 818 820 1 excluded funds, the net township operating using what is called the Proportional Valuation 2 expenditures are just shy of \$6.9 million. Method, again, based on the Rutgers University -01--04--47 -01-J06-48 3 Q. David, what is your general basis for 3 model, involving the calculations based on the -01:-06:-44 -01:-04:-44 4 excluding all of those revenues from your 4 assessed value of properties in the township, 5 calculations? 5 using a refining coefficient. -01--08--38 -01-04-35 6 A. Well, the basis would be different for 6 The result of the calculations is _01:_0d:_32 -01:-06:-38 each one. For the first one there are 7 that 27.8 percent of the net township expenditures would be attributable to existing 8 pass-through funds, which means that a dollar 8 .01:.06:.33 -01--04--26 9 coming in equals a dollar going out. There is nonresidential development. That's about \$1.9 -01:-04:-23 -01:-06:-32 10 -01:-04:-18 10 very little that the township has to do million. That gets subtracted from the net of -01:-04:-15 11 11 regarding that money. \$6.9 million. And whatever is left, which is -01:-06:-26 12 For pension aid, for example, it -01:-04:-10 12 just shy of \$5 million, is operating -01:-06:-22 13 is coming in from the state for a specific -01:-04:-06 13 expenditures attributable to existing township 14 function and it is being expended on -01:-04:-04 14 population. We simply divide by the -01:-06:-19 specifically that function and no other. So it -01:-04:-02 15 population, which was estimated in that year of 15 -01:-06:-17 is really equal. I could have added them or -01:-03:-58 16 10,898, and we come up with a per capita 16 17 included them, and then there would have been a -01:-03:-55 17 operating expenditure of \$455.16. .01:.06:.11 -01:-03:-49 18 18 revenue source to cover those as well, and, And we simply apply that to the -01:-06:-05 -01:-06:-02 19 again, they would have canceled each other out. -01:-03:-46 **19** 960 prospective residents of the proposed **20** The funds transferred, if we want -01:-03:-42 20 development at build-out and full occupancy, -01:-05:-58 **21** to avoid double counting money, so this is -01:-03:-39 21 and we reach a projection of township -01:-05:-55 22 money transferring from one fund to another, so -01:-03:-36 22 expenditures totaling \$436,834. It averages -01:-05:-53 23 we don't want to count the same amount of money -01:-03:-29 23 out to \$1,593 for the single-family homes and twice as expenditures in two funds when it is \$1,010 per year for the carriage homes. That's

	004			000
	821			823
-01:-03:-17	the annual township expenditures.	-01:-01:-01	1	absolute bare minimum, the earned income tax
-01:-03:-15 2	Q. Okay. Let's move on to the annual	-01:00:-58	2	revenue is projected to be about \$284,000 for
-01:-03:-13	township revenues. And how did you calculate	-01:00:-54	3	the proposed development.
11 4	them in your analysis?	-01:00:-53	4	The next category is the real
-01:-03:-09 5	A. Revenue analysis starts on page 8 of	-01:00:-51	5	estate transfer tax revenue, based on a half a
-01:-03:-06	the report and it is bullet points for each	-01:00:-48	6	percent of the market value of the units, not
-01:-03:-01	revenue source, the first being the real estate	-01:00:-45	7	the assessed value, determined simply by
-01:-02:-58	tax revenue, based on the township's tax rate	-01:00:-42	8	applying the half percent tax rate by the
-01:-02:-55	3.5 mills, applied to the proposed	-01:00:-40	9	number of units, by the market value of those
-01:-02:-51 10	development's assessed value of nearly \$125	-01:00:-37	10	units, and by the assumption of housing
-01:-02:-47 11	million, so the annual real estate tax is	-01:00:-34		turnover rates of 5 percent per year for the
-01:-02:-45 12	projected to be about \$437,000 per year for	-01:00:-31		single homes, 10 percent per year for the
-01:-02:-41 13	this development.	-01:00:-29		carriage homes, that would yield an annual
-01:-02:-39 14	That alone you may recall is		14	revenue of just shy of \$76,000.
-01:-02:-36 15	almost the entire annual township expenditures.	-01:00:-21		There is another real estate
-01:-02:-33 16	So the real estate tax nearly covers all of the	-01:00:-19	16	transfer tax revenue that would be the initial
-01:-02:-30 17	expenditures.	-01:00:-14	17	tax revenue from the initial sales of the homes
-01:-02:-29 18	The next revenue category is the	-01:00:-12		from the builder to whoever buys them the very
-01:-02:-27 19	earned income tax, that's the one-half percent	-01:00:-08		first time. That is not a quantifiable,
-01:-02:-24 20	tax that goes to the township. And that is	-01:00:-05		ongoing annual revenue. That is a one-time,
-01:-02:-22 21	determined based on the value of housing and	-01:00:-02		upfront annual revenue that will total
-01:-02:-18 22	the Fannie Mae criteria that no more than 28	-01:00:00	22	approximately \$1.2 million.
-01:-02:-15 23	percent of the household's income be used	00:-59:-56		In the past I have always
-13 24	towards housing costs. Housing costs are the	00:+59:+55	24	recommended that municipalities use that and
1	822			824
-01:-02:-10	mortgage, taxes, homeowners' insurance and	00:-59:-53	1	earmark that for capital expenditures. It will
-01:-02:-04 2	homeowners' association fees, rather, and	00:-59:-49	2	take place over the build-out period, which is
-01:-02:-02	homeowners' insurance.	00:-59:-47	3	likely to be several years, and it is separate
-01:-02:-01	Using the mortgage rates that	00:-59:-43	4	from the annual ongoing real estate transfer
-01:-01:-57 5	were in effect last year in October from	00:-59:-40	5	tax revenue of \$76,000. There is some additional revenue
-01:-01:-55 6	Freddie Mac, the annual household income	00:-59:-38	7	
-01:-01:-51	necessary to afford the single-family homes was	00:-59:-36	8	from the refuse collection fee, \$320 per unit, comes up to approximately \$101,000 per year.
-01:-01:-47	about \$196,000 and about \$152,000 for the	00:-59:-32	9	There is some franchise fees, cable TV and
-01:-01:-43	carriage homes.	00:-59:-25	10	such, some miscellaneous revenue, and also some
-01:-01:-41 10	The fact that the mortgage rates have gone up since then means that the revenue	00:-59:-21	11	revenue from the liquid fuels state E base that
-01:-01:-38 11 -01:-01:-34 12	from this category is actually going to be	00:-59:-19		total \$21,550 for the proposed development.
-01:-01:-34 12 -01:-01:-32 13	higher now than it was last year.	00:-59:-14		I'm sorry. The state highway aid
-01:-01:-29 14	Also, I will note that the		14	is a different number and that is \$29,413 for
-01:-01:-29 14	calculation of earned income tax revenue is	00:-59:-06	45	the proposed development.
-01:-01:-27 15	based on the assumption that the household has	00:-59:-02		So we add up all of these revenue
	the minimum level of earned income necessary to	00:-58:-58	4=	sources and we come to \$949,637 for the
-01:-01:-21 17	afford the house, the mortgage, the taxes, the	00:-58:-58		proposed development, which translates to
1 19	anora the house, the mortgage, the takes, the	00:-58:-52		annual revenue of \$3,187 for the single-family
-01:-01:-18 18	incurance and the homeowners' association fees		10	aimadi revenue or poptor for the single failing
-01:-01:-15 19	insurance and the homeowners' association fees. Obviously, most homeowners, families.	1	20	detached homes and \$2,669 for the carriage
-01:-01:-15 19	Obviously, most homeowners, families,	00:-58:-46		detached homes and \$2,669 for the carriage homes.
-01:-01:-15 19 13 20 -01:-01:-10 21	Obviously, most homeowners, families, households will have significantly higher	00:-58:-46 00:-58:-41	21	homes.
-01:-01:-15 19 13 20 1-01:-01:-10 21 1-01:-01:-07 22	Obviously, most homeowners, families, households will have significantly higher levels of earned income and, therefore, the	00:-58:-46 00:-59:-41 00:-58:-40	21 22	homes. So then we take the total revenue
-01:-01:-15 19 13 20 -01:-01:-10 21	Obviously, most homeowners, families, households will have significantly higher	00:-58:-46 00:-58:-41	21 22 23	homes.

825 827 1 be positive \$512,803 per year, which means that But using this extremely conservative high 00:-56:-04 00-58-30 regardless of how much money that will be spent 2 projection for expenditures, the projection 2 00:-58:-24 would be \$3.6 million per year in expenditures on this development, the development is 3 3 00:-58:-20 00:-55:-58 4 projected to create revenue that exceeds the for the School District, translated to \$16,244 00:-55:-55 19 per year per unit for the single homes, \$3,344 5 5 expenditures by more than a half million 00:-58:-15 for the carriage homes. 6 dollars per year for the township. 6 00:-58:-14 00:-55:-43 7 The difference is largely a 7 That net revenue projects to 00:-55:-41 00:-58:-12 positive \$1,595 -- excuse me -- \$1,594 per unit 8 result of demographics. Far more school-age 8 00:+58:-08 children live in the single homes, four-bedroom for the single homes and positive \$1,658 for 9 00:-55:-36 00:-58:-02 00:-55:-33 10 single homes than live in the three-bedroom the carriage homes. 10 00:-57:-58 attached houses, on average. 00:-55:-31 11 11 In essence, the annual revenue 00:-57:-56 00:-55:-29 12 Q. What did you determine with respect to 12 doubles the annual expenditures. It is not 00:-57:-53 00:-55:-28 13 the annual revenue to the School District per terribly close. It is a pretty much exactly 13 00:-57:-49 double the annual expenditures. 00:-55:-24 14 unit? 14 00:+57:-46 00:-55:-24 15 Q. Did you also do a similar analysis with A. The revenue sources are similar to 00:-57:-44 15 00:-55:-22 16 those for the township. We have the real 00:-57:-42 16 respect to the fiscal impact regarding the estate tax revenue using the School District's school district? 17 00:-55:-21 17 00:-57:-39 tax rate of 20.0982 mills, again, from last 00:-55:-18 18 A. Yes, I did. The methodology is the 18 00:-57:-38 school year. That gives us projection of 19 same, but some of the sources are slightly 00:-55:-14 19 00:-57:-34 revenue of \$2.5 million per year. 00:-57:-32 **20** different. The 2016-17 school year budget, so 00:-55:-10 20 The earned income tax will be the it is last year's budget, was \$237 million. I 00:-55:-07 21 00:-57:-28 21 same as for the township, so that's \$284,000 00:-57:-24 **22** subtracted a handful of pass-through items, 00:-55:-05 22 per year. The real estate transfer tax, again, 00:-57:-19 23 revenues from intermediary sources, this is 00:-55:00 23 00:-54:-58 24 will be the same as for the township. That money from other school districts to teach 24 828 826 will total just shy of \$76,000 per year. And students that get sent here, rentals, tuition 1 00:-54:-55 2 similar to the township there will be a from patrons and so forth, of about 2.5 00:-57:-12 one-time, up-front capital revenue, we can call 3 million. 00:-57:-08 it, of \$1.16 million to the School District So the net expenditures are about 4 00:-54:-45 5 over the build-out period. \$235 million, divided by the district-wide 5 00:-54:-40 00:-57:-04 There is state and federal enrollment last year of 11,423 students. That 6 6 00:-54:-38 00:-56:-58 revenue based on what the School District gives us the net expenditure of \$20,569 per 7 00:-54:-35 receives from those sources in last year's 8 student. 8 00:-54:-32 00:-56:-48 budget, divided by the enrollment, which gives 9 This is an extraordinarily 00:-54:-29 00:-56:-46 us \$3,602 per pupil, which is applied to the conservative projection, conservative in the 00:-54:-26 10 10 number of students projected to come from the sense that it tends to overestimate rather 00:-54:-22 11 11 00:-56:-41 00:-54:-19 12 proposed development. That revenue source significantly the expenditures for each 12 00:-56:-38 totals \$637,000 per year. student. It assumes that each new student is 00:-54:-16 13 13 00:-54:-13 14 And then there is a little bit of going to cost the same amount as all of the 14 00:-56:-33 interest earnings projected to total just shy existing students, and does not take into 00:-54:-11 15 15 00:-56:-31 00:-54:-07 16 of \$3,000 per year. So the annual School effect things like the build environment or 16 00:-54:-03 17 District revenue from all sources would sunk costs of certain employees of the district 17 00:-56:-24 00:-54:00 18 approximate \$3.5 million per year, so that that will not need to be expanded or multiplied 18 00;-56:-22 by virtue of the fact that there will be new would be \$12,794 per year per unit for the 00:-53:-55 19 00:-56:-18 19 le **20** single homes, \$8,139 per year per unit for the students. 00:-53:-50 20 00:-53:-45 21 00:-56:-15 21 There will not need to be an carriage homes. 00:-53:-44 22 The net impact, again, taking the 00:-56:-14 22 entire new administrative staff, for example. We will get to some other much more reasonable 00:-53:-39 23 revenue, subtracting the expenditures, is 00:-56:-12 23 projected to be negative or deficit \$128,949 expenditures per student a little bit later on. 00:53:36 24 00:-56:-07 24

	829		831
00:-53:-29 1	for the proposed development. The real reason	00:-50:-55 1	proposed development fiscal impact analysis.
00:-63:-25	is because of the single homes. The single	00:-50:-52	It is, it is the same as it is slightly
00:-53:-24 3	homes are projected to result in negative	00:-50:-42 3	different format as the chart, the table that
20 4	impact of \$3,450 per unit per year. But a	00:-50:-40 4	is on page 2 of the actual Fiscal Impact
00:-53:-13 5	positive annual impact of \$4,795 for the	00:-50:-37 5	Analysis which was A-26, I believe.
00:-63:-08 6	carriage homes. Again, the difference being on	00:-50:-35	Q. And does A-27 consist of three sheets,
00:-53:-06 7	the expenditure side because the single homes	00:-50:-31 7	separate sheets; is that correct?
00:-53:-01	house far more children.	00:-50:-28	A. It does.
00:-52:-59	The annual expenditures are	00:-50:-27	Q. Would you take us through the second
00:-52:-54 10	projected to exceed the annual revenue by 21.2	00:-50:-24 10	page of Exhibit A-27 and what that details?
00:-52:-48 11	percent for the single-family detached homes.	00:-50:-19 11	A. Yes. As I mentioned earlier, the
00:-52:-42 12	But the annual revenue is projected to exceed	00:-50:-17 12	School District reviewed the fiscal impact
00:-52:-40 13	annual expenditures by oh, I'm sorry. Let	00:-50:-13 13	analysis and came to a significantly different
00:-52:-30 14	me back up.	00:-50:-07 14	expenditure projection. This expenditure
00:-52:-29 15	The annual, annual overall, cross	00:-50:-03 15	projection is labeled here as being from the
00:-52:-24 16	all units, the annual expenditures are	00:-49:-59 16	Scanlon report. It is based on largely the
00:-52:-23 17	projected to exceed annual revenue by a very	00:-49:-56 17	educational expenditures per student in the
00:-52:-20 18	small amount, 3.5 percent for the entire	00:-49:-54 18	district, considering the vast majority of
00:-52:-18 19	development. That I would like to suggest is a	00:-49:-50 19	students will be standard, regular students,
00:-52:-14 20	very small amount, very small percentage. And	00:-49:-48 20	and a handful will be special needs students,
00:-52:-11 21	because we are basing a lot of these	00:-49:-46 21	which require greater expenditures.
00:-52:-08 22	calculations on projections and estimates, to	00:-49:-43 22	That number comes to \$13,955 per
00:-52:-05 23	me that is well within the margin of error,	00:-49:-39 23	student. Once again, my much more
-04 24	probably within about 5 percent to be within	00:-49:-37 24	conservative, much higher projection was
1 .	830		832
00:-52:-01	the margin of error.	00:-49:-34	\$20,569 per student. And you can see that when
00:-52:00 2	Q. David, let me just interrupt. Did I	00:-49:-30 2	you multiply these numbers out by the number of
00:-51:-58 3	miss your calculations with respect to the net	00:-49:-25	students projected from the proposed
00:-51:-56	fiscal impact on the carriage unit with respect	00:-49:-24	development, approximately 177, I believe it is
00:-51:-53 5	to the School District?	00:-49:-18 5	yes, 177, the difference in the annual
00:-51:-52 6	A. Yes, but I will tell you again. It is	00:-49:-15	expenditures is between 3.6 million and 2.4
00:-51:-48 7	positive \$4,795 per unit for the carriage homes.	00:-49:-10 7	million dollars. It is literally a third lower.
	Q. Do you know if the township has		Q. So, David, would you then say that your
00:-51:-36 10	reviewed your fiscal impact analysis?	00:-49:-06 10	analysis is more conservative than what you saw
00:-51:-36 10	A. Yes, the township has.	00:-49:-06 10	analyzed by the School District?
00:-51:-35 11	Q. And I believe that was reviewed by Mr.	00:-49:-02 11	A. On the expenditure side, yes, vastly
00:-51:-29 13	Todd Poole; is that correct?	00:-48:-58 13	more conservative. I would trust Dr. Scanlon's
00:-51:-29 13	A. That would be correct.	00:-48:-55 14	expenditure numbers intensely.
00:-51:-26 15	Q. And the township has marked that	00:48:52 15	Q. And if then we could move to the third
00:-51:-25 16	Exhibit B-17, for the record. And do you know	00:48:50 16	slide or third page of Exhibit A-27. If,
00:-61:-21 17	if the School District has reviewed at least on	00:-48:-45 17	David, you could detail, describe in detail
00:-51:-19 18	a cursory level your fiscal impact analysis?	00:-48:-42 18	this portion of the exhibit, please.
00:-51:-16 19	A. Yes, I believe it has.	00:-48:-40 19	A. All right. All this does is use the
14 20	Q. And, Andrew, if we could put up	00:-48:-37 20	School District's expenditure per student,
00:-51:-11 21	Exhibit A-27 on the screen.	00:-48:-34 21	multiplied by the same number of students for
00:-51:-03 22	David, if you could please	00:-48:-31 22	each dwelling type, and that gives us annual
	David, ii you could picabe		
00:-51:-02 23	identify Exhibit A-27 for the record.	00:-48:-28 23	expenditures of just over \$1 million.
00:-51:-02 23		00:48:-28 23	

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	833		835
00:-48:-20 1	That's the net. This would be the same level	00:-46:-33	not Dr. Scanlon's revenue numbers?
00:-48:-17 2	of revenue as in my report, different levels of	00:-46:-30 2	THE WITNESS: I can. I believe
00:-48:-13	expenditures, using the School District's	00:-46:-28 3	that the revenue figures that I used are more
10 4	figure.	00:-46:-25	accurate. They are based more on the proposed
00:-48:-09 5	The net now is a positive figure	00:-46:-22 5	development instead of things like
00:-48:-06	of more than \$1 million compared to the	00:-46:-19 6	district-wide averages, in terms of such
00:-48:-04 7	negative number that was in my report of	00:-46:-16 7	subjects as the average value of homes
00:-48:-01	\$128,949.	00:-46:-13	throughout the district. My study is based
00:-47:-58	Q. That's just with respect to	00:-46:-10	more on the proposed development, which in my
00:-47:-57 10	single-family homes, correct?	00:-46:-08 10	opinion is what it should be based on because
00:-47:-55 11	A. No, that would be for all units,	00:-46:-06 11	that is the topic of the Fiscal Impact
00:-47:-54 12	1,041,502.	00:-46:-02 12	Analysis. It is not an analysis of the entire
00:-47:-50 13	Q. I thought your prior testimony was that	00:-46:00 13	School District. It is an analysis of this
00:-47:-48 14	there is a small net positive fiscal impact to	00:-45:-58 14	particular proposed development.
00:-47:-44 15	the School District under your analysis for	00:-45:-56 15	MR. MCKENNA: Were your revenue
00:-47:-42 16	both carriage homes and single families; is	00:-45:-55 16	numbers higher than Dr. Scanlon's revenue
00 -47:-38 17	that correct?	00:-45:-52 17	numbers.
00:-47:-38 18	A. There is a net fiscal surplus for the	00:-45:-51 18	THE WITNESS: In some instances,
00:-47:-34 19	carriage homes for the School District in my	00:-45:-51 19	yes.
00:-47:-32 20	analysis.	00:-45:-50 20	MR. MCKENNA: Overall were they
00:-47:-31 21	Q. Right.	00:-45:-49 21	higher? Do you recall?
00:-47:-31 22	A. But the single homes resulted in a net	00:-45:-48 22	THE WITNESS: Yes.
00:-47:-28 23	deficit.	00:-45:-48 23	MR. MCKENNA: Okay. Thank you.
27 24	Q. Correct.	00:-45:-42 24	
ĵ.	834		836
00:-47:-26	A. That, again, is a function of the much	1	BY MR. ADELMAN:
00:-47:-25	higher conservative level of expenditures.	00:-45:-42 2	Q. We have been talking about Dr.
00:-47:-21 3	Using the School District's level of	00:-45:-40 3	Scanlon's numbers. When you reviewed Mr.
00:-47:-19 4	expenditures now all of the numbers are	00:-45:-36	Poole's study what were your conclusions with
00:-47:-17 5	positive or surplus for the School District,	00:-45:-34 5	respect to his analysis in Exhibit B-17? You
00:-47:-14 6	both for the single homes and for the carriage	00:-45:-25	don't have to do specific numbers. In general,
00:-47:-12 7	homes.	00:-45:-23 7	if you can testify.
00:-47:-12	Q. And then could you explain the	00:-45:-22	A. I have it here somewhere. But Mr.
00:-47:-10	differential in the revenue numbers?	00:-45:-19	Poole's analysis was based on a slightly
00:-47:-07 10	A. I do not believe there are any	00:-45:-17 10	different methodology called the Case Study
00:-47:-05 11	differences in the revenue numbers. The	00:-45:-13 11	Method for both the township expenditures and
00:-47:-03 12	revenue numbers are going to be the same. The	00:-45:-11 12	the School District expenditures. However,
00:-47:-02 13	expenditure numbers are going to be different.	00:-45:-07 13	regardless of the fact that it was a slightly
00:-47:00 14	And that is the basis of this table.	00:-45:-06 14	different methodology, we wound up to be almost
00:-46:-58 15	MR. MCKENNA: Mr. Adelman, can I	00:-45:-02 15	exactly in the same place, a significant annual
00:-46:-56 16	ask a real quick question on that topic?	00:-44:-56 16	surplus for the township. And I believe since
00:-46:-54 17	Mr. Babbitt, I understand you	00:-44:-53 17	he used Dr. Scanlon's expenditure figures for
00:-46:-53 18	used, if I'm examining A-27 correctly, I admit	00:-44:-49 18	the School District he wound up with a
	useu,		
∩ 46:-48 19	I'm confused on this third page, using Dr.	00:-44:-48 19	significant annual surplus for the School
00 46:-48 19		1	significant annual surplus for the School District as well.
5.	I'm confused on this third page, using Dr.	00:-44:-48 19	-
46 20	I'm confused on this third page, using Dr. Scanlon's expenditure numbers, is that right,	00:-44:-48 19	District as well.
46 20	I'm confused on this third page, using Dr. Scanlon's expenditure numbers, is that right, but your revenue numbers?	00:-44:-48 19 00:-44:-45 20 00:-44:-43 21	District as well. MR. ADELMAN: I have nothing

	837	1	839
00:-44:-33	Planning Commission.	1	development would be public roads; is that
00:-44:-32	CROSS-EXAMINATION	00:-42:-44 2	correct?
00:-44:-32 2	BY MS. CAMP:	00:-42:-41 3	A. Yes, it does.
31 4	Q. Thank you. Mr. Babbitt, you conclude	00:-42:-41	Q. You indicate if they were private
00:-44:-28 5	that the impact on the school from the carriage	00:-42:-40 5	roads, then one of the sources of revenue,
00:-44:-26	houses is less under Plan A, that there is a	00:-42:-40 6	liquid fuels, would not be coming to the
00:-44:-25	negative fiscal impact for the School District	00:-42:-37	township, correct?
00:-44:-22	of \$128,949 for the single-family dwellings.	00:-42:-37	A. That would be true. On the other side
00:-44:-26	Could Toll address this by reducing the number	00:-42:-35	of the equation, however, there would be
00:-44:-13 10	of single-family dwellings and increasing the	00:-42:-34 10	presumably less in the way of township
00:-44:-13	number of carriage homes that are built in the	00:-42:-34 11	expenditures for road maintenance in this
00:44:-09 12	community? Wouldn't that have less of a	00:-42:-32 11	development.
00:44:-07 13	negative Impact upon the School District if	00:-42:-29 13	Q. Did your report take into account that
00:44:-04 14	they were to change the mix of the units?	00:-42:-29 14	some of the school-aged children would be
00:44:-04 14	A. I'm not sure if that would be the case	00:-42:-24 15	special education students whose costs would be
00:-44:-02 15	if we are using Dr. Scanlon's expenditure	00:-42:-24 15	significantly higher?
00:-43:-59 17	figures.	00:-42:-21 17	A. Yes, because, again, it is an average
00:-43:-57 18	Q. Using your expenditure figures?	00:-42:-19 17	costing technique and it, therefore, assumes
00:-43:-54 19	A. Yes, it would be the case.	00:-42:-17 19	costs across all students in the district right
00:-43:-53 20	Q. Okay. When you prepared your analysis	00:-42:-11 20	now, some of whom are special needs students.
00.43:49 21	did you interview any public officials at the	00:-42:-09 21	Q. I'm a little confused on Exhibit A-27.
00:-43:-46 22	township who are knowledgeable of the local	00:-42:-06 22	The third, the second page, when you said the
00:-43:-44 23	services and the capacity of the local services	00:-42:-03 23	Scanlon report shows the per student
42 24	to handle the impact of the development?	00:-42:-01 24	expenditure of 13,955, you are saying that that
		-	
*	838		840
00:-43:-38	838 A. No.	00:-41:-57	
00:-43:-38 1	•	00:-41:-57 1	number is an average of students who are special needs students and students who are
	A. No.		number is an average of students who are
00:-43:-38 2	A. No.Q. Are you aware if the township expects	00:-41:-52 2	number is an average of students who are special needs students and students who are
00:-43:-36 3	A. No.Q. Are you aware if the township expectsto hire additional employees in the finance	00:-41:-52 2	number is an average of students who are special needs students and students who are not?
00:-43:-38 2 00:-43:-36 3 00:-43:-34 4	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle	00:-41:-52 2 00:-41:-50 3 00:-41:-49 4	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development?	00:41:52 2 00:41:50 3 00:41:49 4 00:41:45 5	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study.	00:-41:-52 2 00:-41:-50 3 00:-41:-49 4 00:-41:-45 5 00:-41:-42 6	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6 00:43:27 7	 A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken 	00:-41:-52 2 00:-41:-50 3 00:-41:-49 4 00:-41:-45 5 00:-41:-42 6 00:-41:-39 7	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes.
00:43:38	 A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring 	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd
00:43:38 2 00:43:36 3 00:43:32 5 00:43:32 5 00:43:27 7 00:43:25 8 00:43:23 9	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees?	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6 00:43:27 7 00:43:25 8 00:43:23 9 00:43:22 10	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees? A. No, it certainly would have taken it	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January 25th, 2017, where he, Mr. Poole, was relying
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6 00:43:27 7 00:43:25 8 00:43:25 9 00:43:22 10 00:43:20 11	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees? A. No, it certainly would have taken it into consideration, because it is based on an	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January 25th, 2017, where he, Mr. Poole, was relying upon information that Dr. Scanlon had provided
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6 00:43:27 7 00:43:25 8 00:43:23 9 00:43:22 10 00:43:21 11 00:43:47 12	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees? A. No, it certainly would have taken it into consideration, because it is based on an average costing technique. There are	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January 25th, 2017, where he, Mr. Poole, was relying upon information that Dr. Scanlon had provided for the cost of the students? Are those the
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6 00:43:27 7 00:43:25 8 00:43:25 8 00:43:21 10 00:43:21 11 00:43:41 12 00:43:16 13	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees? A. No, it certainly would have taken it into consideration, because it is based on an average costing technique. There are expenditures in my analysis, and that's why	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January 25th, 2017, where he, Mr. Poole, was relying upon information that Dr. Scanlon had provided for the cost of the students? Are those the numbers you were using?
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6 00:43:27 7 00:43:25 8 00:43:23 9 00:43:22 10 00:43:21 11 00:43:47 12 00:43:16 13 00:43:12 14	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees? A. No, it certainly would have taken it into consideration, because it is based on an average costing technique. There are expenditures in my analysis, and that's why that number is rather significant, annual	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January 25th, 2017, where he, Mr. Poole, was relying upon information that Dr. Scanlon had provided for the cost of the students? Are those the numbers you were using? A. January 27th?
00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:30 6 00:43:27 7 00:43:25 8 00:43:23 9 00:43:22 10 00:43:21 11 00:43:47 12 00:43:16 13 00:43:17 14 00:43:10 15	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees? A. No, it certainly would have taken it into consideration, because it is based on an average costing technique. There are expenditures in my analysis, and that's why that number is rather significant, annual expenditure.	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January 25th, 2017, where he, Mr. Poole, was relying upon information that Dr. Scanlon had provided for the cost of the students? Are those the numbers you were using? A. January 27th? Q. Yes.
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00:43:38 2 00:43:36 3 00:43:34 4 00:43:32 5 00:43:32 7 00:43:27 7 00:43:25 8 00:43:22 10 00:43:22 11 00:43:47 12 00:43:47 12 00:43:49 15 00:43:06 17 00:43:06 17 00:43:01 18 no:43:01 19 17 20 00:42:54 22	A. No. Q. Are you aware if the township expects to hire additional employees in the finance department or public works department to handle the impacts from the development? A. Only from Mr. Poole's study. Q. So your analysis would not have taken that into consideration in the cost for hiring new employees? A. No, it certainly would have taken it into consideration, because it is based on an average costing technique. There are expenditures in my analysis, and that's why that number is rather significant, annual expenditure. What it does not do is identify which employees or which positions they might hold. It simply assumes that the level of expenditure that the township spends now for each resident will be applied to the future residents. Q. Okay. In your analysis, you didn't speak to this in your testimony, but your analysis assumes that the roads in this	00:-41:-52	number is an average of students who are special needs students and students who are not? A. Both Dr. Scanlon's number and my number take into account the fact that some students will be special needs students, at higher expenditure levels, yes. Q. Did you review the memorandum that Todd Poole received from Mr. Scanlon, dated January 25th, 2017, where he, Mr. Poole, was relying upon information that Dr. Scanlon had provided for the cost of the students? Are those the numbers you were using? A. January 27th? Q. Yes. A. Yes, I reviewed that document. Q. So in that memorandum, again, this is Mr. Poole providing information that he received from Dr. Scanlon, he indicated that for regular education students, approximately 11,762, and for special education students, 29,727. So I guess I'm just confused. The 13,955 shown on page 2 of Exhibit 27, is

	841		843
00 -40;-53	that the average from those two numbers in the	00;-38:-27	the applicant offering land or construction of
00:-40:-50 2	memorandum? I'm not understanding about the	00:-38:-25	a building or something like that?
00:-40:-46	13,955.	00:-38:-24	Q. Correct.
42 4	A. It is calculated by multiplying 11,762	00:-38:-23	A. Not to the best of my knowledge.
00:-40:-37 5	times 151 regular education students, and	00:-38:-21 5	MS. CAMP: Okay. I have nothing
00:-40:-32	adding 29,727 by times 21 special education	00:-38:-20 6	further.
00:-40:-24 7	students, and then that sum divided by 172	00:-38:-19 7	MR. MCKENNA: Thank you, Ms.
00:-40:-18	students.	00:-38:-16	Camp.
00:-40:-18	Q. That's how you got the 13,955. Okay.	00:-38:-15	So Birmingham Township, Mr.
00:-40:-15 10	A. 13,955.40.	00:-38:-13 10	Crawford is not here this evening. We will
00:-40:-13 11	Q. Okay. I just wanted to check that.	00:-38:-12 11	move to Thornbury and to Ms. Labrum.
00:-40:-09 12	Have you reviewed any of the conditional use	00:-38:-09 12	MS. LABRUM: No questions of this
00:-40:-07 13	standards in the Zoning Ordinance for the	00:-38:-08 13	witness.
00:40:-05 14	applicant?	00:-38:-08 14	MR. MCKENNA: Thank you.
00:-40:-04 15	A. Not lately, no.	00:-38:-06 15	Neighbors for Crebilly with Mr. Thompson.
00:-40:-03 16	Q. One of the standards requires the	00:-38:-03 16	CROSS-EXAMINATION BY MR. THOMPSON:
00:-40:00 17	applicant to provide evidence that it	00:-38:-03 17	
00:-39:-57 18	considered the impact of the development of the	00:-38:-01 18	Q. Concerning sewage disposal, did you
00:-39:-55 19	public school system, and I assume that's why	00:-37:-57 19	take into account the proposed sewage disposal for the plan, that would be the on-lot sewage
00:-39:-53 20	you prepared the fiscal analysis; is that correct?	00:-37:-54 20	disposal?
00:-39:-50 21	A. Yes, in part.	00:-37:-47 21	A. No, that is not included in this
00:-39:-50 22	Q. Okay. And also part of the	00:-37:-46 22	analysis. It is not one of the three operating
47 24	requirements requires that, where necessary,	00:-37:-45 24	funds that would pertain to this development.
4/ ==	requirements requires that, where necessary,	000741	Tanas tilat ireala pertain to alle development
	842		844
1	842	00, 27, 20	Q So you didn't take into account any
00:-39:-44 1	adequate arrangements for expansion or	00:-37:-38 1	Q. So you didn't take into account any
00:-39:-42	adequate arrangements for expansion or improvement of the school system are assured.	00:-37:-36	Q. So you didn't take into account any possible township expenditures related to
00:-39:-42 2	adequate arrangements for expansion or improvement of the school system are assured. What, if any, arrangements for expansion or	00:-37:-36 2	Q. So you didn't take into account any possible township expenditures related to sewage disposal?
00:-39:-42 2 00:-39:-39 3 00:-39:-35 4	adequate arrangements for expansion or improvement of the school system are assured. What, if any, arrangements for expansion or improvement would Toll be offering to the	00:-37:-36	Q. So you didn't take into account any possible township expenditures related to sewage disposal?A. Not directly, no.
00:39:42 2 00:39:39 3 00:39:35 4 00:39:34 5	adequate arrangements for expansion or improvement of the school system are assured. What, if any, arrangements for expansion or improvement would Toll be offering to the school district as a result of your analysis?	00:37:36 2 00:37:34 3 00:37:29 4	Q. So you didn't take into account any possible township expenditures related to sewage disposal?
00:39:34 2 00:39:35 4 00:39:34 5	adequate arrangements for expansion or improvement of the school system are assured. What, if any, arrangements for expansion or improvement would Toll be offering to the school district as a result of your analysis? A. Well, as a result of the analysis, the	00:37:36 2 00:37:34 3 00:37:29 4 00:37:27 5	 Q. So you didn't take into account any possible township expenditures related to sewage disposal? A. Not directly, no. Q. Okay. And your report talks about a
00:39:42	adequate arrangements for expansion or improvement of the school system are assured. What, if any, arrangements for expansion or improvement would Toll be offering to the school district as a result of your analysis?	00:37:36 2 00:37:34 3 00:37:29 4 00:37:27 5 00:37:23 6	 Q. So you didn't take into account any possible township expenditures related to sewage disposal? A. Not directly, no. Q. Okay. And your report talks about a Plan A and a Plan B. You have testified
00-39-34	adequate arrangements for expansion or improvement of the school system are assured. What, if any, arrangements for expansion or improvement would Toll be offering to the school district as a result of your analysis? A. Well, as a result of the analysis, the applicant would be offering \$3.5 million per	00:37:36	 Q. So you didn't take into account any possible township expenditures related to sewage disposal? A. Not directly, no. Q. Okay. And your report talks about a Plan A and a Plan B. You have testified tonight only to Plan A; is that correct?
00:39:42	adequate arrangements for expansion or improvement of the school system are assured. What, if any, arrangements for expansion or improvement would Toll be offering to the school district as a result of your analysis? A. Well, as a result of the analysis, the applicant would be offering \$3.5 million per year in annual ongoing revenue, on top of \$1.2	00:37:36	 Q. So you didn't take into account any possible township expenditures related to sewage disposal? A. Not directly, no. Q. Okay. And your report talks about a Plan A and a Plan B. You have testified tonight only to Plan A; is that correct? A. Thus far, yes.
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	845		847
00:36:34	Mr. Martin or Mr. Bertinetti?	00:-34:-37	Chester, we are a little different than
	Arborview HOA, Mr. Hoffman?		Pennsylvania, because Pennsylvania has
	West Glen HOA, Mr. Bevilacqua?		declining enrollment with students, and that
1	MR. BEVILACQUA: No questions.	00:-34:-34	West Chester is bucking that trend with some of
17 4	MR. MCKENNA: West Chester School	00:-34:-32 5	the programs we have, and the studies we have
00:-36:-16 5	District, Mr. Bevilacqua or Dr. Scanlon?	00:-34:-25	done use .51 for three-bedroom unit, is what we
00:-36:-11	DR. SCANLON: Yes. Thank you,	00:-34:-21 7	use.
00:-36:-11	Mr. Babbitt, for your report. I had a chance	00:-34:-20	How many for the four-bedroom
00:-35:-57	to look through that. And I know you have to	00:-34:-18	homes, what does the Rutgers study use for
00:-35:-55 10	make assumptions. We have to make assumptions,	00:-34:-15	Pennsylvania there?
00:-35:-52	enrollment projections, as we go through	00:-34:-14 11	THE WITNESS: School-age children
00:-35:-49 12	demographic studies as well.	00:-34:-13 12	per unit would be 1.02.
00:-35:-47 13	In your report you assumed 177	00:-34:-10 13	DR. SCANLON: That's what we use,
00:-35:-44 14	public school students out of the development I	00:-34:-08 14	yes, that matches.
00:-35:-41 15	believe for the, I looked at 317-unit	00:-34:-07 15	And then how many for, the
00:-35:-37	development?	00:-34:-04 16	carriage homes in the report, how many total
00:-35:-37 17	THE WITNESS: That's correct.	00:-34:-02 17	just out of the carriage homes?
00:-35:-35 18	DR. SCANLON: Correct. Okay.	00:-34:-01 18	THE WITNESS: How many?
00:-35:-33 19	How many students, and you mentioned the	00:-34:00 19	DR. SCANLON: How many total
00:-35:-31 20	Rutgers study, you have used some of the	00:-33:-59 20	students?
00:-35:-28 21	information out of the Rutgers study, how many	00:-33:-58 21	THE WITNESS: Well, school-aged
00:-35:-24 22	students per three-bedroom home were you using	00:-33:-55 22	children would be 25, of whom 19 would be
00:-35:-22 23	from that report per ratio?	00:-33:-51 23	projected to be public school students.
-18 24	THE WITNESS: The Rutgers study	00:-33:-48 24	DR. SCANLON: Okay. And that was
	846		848
00:-35:-16	846 shows that three-bedroom, basically townhouses,	00:-33:-46	848 using the 77 percent market share I think you
00:-35:-16 1		00:-33:-46 1	
	shows that three-bedroom, basically townhouses,		using the 77 percent market share I think you
00:-35:-13	shows that three-bedroom, basically townhouses, high-end townhouses for sale in Pennsylvania	00:-33:-44 2 00:-33:-43 3	using the 77 percent market share I think you used?
00:-35:-13 2 00:-35:-09 3	shows that three-bedroom, basically townhouses, high-end townhouses for sale in Pennsylvania generate on average 0.21 school-aged children	00:-33:-44 2 00:-33:-43 3	using the 77 percent market share I think you used? THE WITNESS: 77.4 percent, which
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	849		851
00:-32:-53	DR. SCANLON: Okay. But you	00:-30:-51	you aware that the costs that I gave in terms
00:-32:-52	weren't aware the last five years those numbers	00:-30:-49 2	of students, special education students are
00:-32:-50	have been reduced from the state and federal	00:-30:-46 3	about 29,000 and regular education students
48 4	for our budget?	00:-30:-42	were about 12,000, those are charter school
00:-32:-47 5	THE WITNESS: Actually, that's	00:-30:-39 5	enrollment figures, which is the only per pupil
00;-32:-46	not accurate, Dr. Scanlon. The number actually	00:-30:-37	cost that the state recognizes right now.
00:-32:-43 7	has gone up significantly. The percentage of	00:-30:-34 7	THE WITNESS: I'm sorry, I can't
00;-32;-39	the total education costs covered by state	00:-30:-33	really hear your question. Is it possible for
00:-32:-37	funding, that has gone down.	00:-30:-31	you to use one of those microphones, perhaps?
00:-32:-35 10	DR. SCANLON: Yes.	00:-30:-29 10	DR. SCANLON: Sure. Is that
00:-32:-34 11	THE WITNESS: But the actual	00:-30:-19 11	better?
00:-32:-33 12	number from the state has gone up. I actually	00:-30:-18 12	THE WITNESS: Oh, much better.
00:-32:-30 13	looked up the study that I did for a	00:-30:-16 13	DR. SCANLON: Okay. The costs
00:-32:-27 14	development I think it was in the borough 12	00:-30:-12 14	that I used in response to Mr. Poole's
00:-32:-24 15	years ago. That state and federal number per	00:-30:-10 15	information on 172 students, the per pupil
00:-32:-21 16	student was something like \$2800 and now it is	00:-30:-06 16	costs that are two in here, one was regular
00:-32:-17 17	\$3600 per student. So that's gone up.	00:-30:-04 17	education students, one was special education
00:-32:-15 18	DR. SCANLON: Okay. And, but you	00:-30:-01 18	students, did you know that that is the only
00:-32:-13 19	didn't take a look at the breakout of where the	00:-29:-57 19	per pupil cost the state recognizes in terms of
00:-32:-10 20	money comes from, the pension money	00:-29:-55 20	an actual cost per pupil?
00:-32:-09 21	reimbursement, things like that?	00:-29:-52 21	THE WITNESS: No.
00:-32:-07 22	THE WITNESS: No. But I would	00:-29:-48 22	DR. SCANLON: Okay. So that is
00:-32:-06 23	say the vast majority is ESB moneys.	00:-29:-46 23	what we pay charter school students when we
∞ 24	DR. SCANLON: Okay. Of the	00:-29:-43 24	send a charter school student away. And it
		-	
_	850		852
00:-31:-54		00:-29:-41 1	852 takes out some other costs which I then added
00:-31:-54 1 00:-31:-51 2	850	00:-29:-38 2	takes out some other costs which I then added back in, in terms of the analysis, looking at
	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year,	00:-29:-38 2	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact
00:-31:-51 2	850 proposed budget, you wouldn't know this, but for next year our projected revenues from the	00:-29:-38 2	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of
00:-31:-51 2	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year, so, again, that is the trend. THE WITNESS: Well, that	00:-29:-38 2	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of students going to Starkweather Elementary
00:-31:-51 2 00:-31:-49 3 00:-31:-45 4	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year, so, again, that is the trend. THE WITNESS: Well, that whether it is less overall or less per student	00:-29:-38 2 00:-29:-34 3 00:-29:-31 4	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of students going to Starkweather Elementary School in particular, which is a building that
00:31:49 3 00:31:45 4 00:31:40 5	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year, so, again, that is the trend. THE WITNESS: Well, that whether it is less overall or less per student I cannot say. My recollection from your	00:29:38 2 00:29:34 3 00:29:31 4 00:29:28 5	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of students going to Starkweather Elementary School in particular, which is a building that in 2014 we actually did a redistricting plan,
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00:31:51 2 00:31:49 3 00:31:46 4 00:31:40 5 00:31:38 6 00:31:34 7 00:31:31 8 00:31:32 9 00:31:25 10	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year, so, again, that is the trend. THE WITNESS: Well, that whether it is less overall or less per student I cannot say. My recollection from your enrollment projections are that you are projecting enrollment to continue declining to the future.	00:29:38	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of students going to Starkweather Elementary School in particular, which is a building that in 2014 we actually did a redistricting plan, pulled 75 kids out of there, but it is going to fill back up. There is no capacity there and the class size are at a higher level.
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00:31:51 2 00:31:49 3 00:31:46 4 00:31:40 5 00:31:34 7 00:31:31 8 00:31:32 9 00:31:25 10 00:31:24 11 00:31:22 12	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year, so, again, that is the trend. THE WITNESS: Well, that whether it is less overall or less per student I cannot say. My recollection from your enrollment projections are that you are projecting enrollment to continue declining to the future. DR. SCANLON: We did a study. I can talk about that study.	00:29:38	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of students going to Starkweather Elementary School in particular, which is a building that in 2014 we actually did a redistricting plan, pulled 75 kids out of there, but it is going to fill back up. There is no capacity there and the class size are at a higher level. So you weren't aware that I added some of that in I guess? Is that true or not?
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00:31:51 2 00:31:49 3 00:31:45 4 00:31:40 5 00:31:38 6 00:31:31 8 00:31:31 8 00:31:25 10 00:31:25 10 00:31:21 13 00:31:21 13 00:31:21 13 00:31:41 15 00:31:41 17 00:31:41 17	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year, so, again, that is the trend. THE WITNESS: Well, that whether it is less overall or less per student I cannot say. My recollection from your enrollment projections are that you are projecting enrollment to continue declining to the future. DR. SCANLON: We did a study. I can talk about that study. THE WITNESS: It may be the same amount as we received last year. It may be more. It would be less overall. But on a per student basis it would be about the same or slightly more. DR. SCANLON: And the memo I	00:29:38 2 00:29:34 3 00:29:31 4 00:29:28 5 00:29:24 6 00:29:21 7 00:29:48 8 00:29:11 10 00:29:09 11 00:29:09 11 00:29:02 13 00:29:02 13 00:28:57 15 00:28:55 16 00:28:44 18 00:28:41 19 00:28:39 20	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of students going to Starkweather Elementary School in particular, which is a building that in 2014 we actually did a redistricting plan, pulled 75 kids out of there, but it is going to fill back up. There is no capacity there and the class size are at a higher level. So you weren't aware that I added some of that in I guess? Is that true or not? THE WITNESS: I simply took the number, series of numbers that you gave in the middle of the first page of your January 25th memo, totaling \$2.4 million in expenditures, divided it by the number of students that Todd projects, 172, which is very similar but not exactly the same as the number that I project, and come up with the \$13,955.40 per student.
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00:31:51	proposed budget, you wouldn't know this, but for next year our projected revenues from the state would be 50,000 less than current year, so, again, that is the trend. THE WITNESS: Well, that whether it is less overall or less per student I cannot say. My recollection from your enrollment projections are that you are projecting enrollment to continue declining to the future. DR. SCANLON: We did a study. I can talk about that study. THE WITNESS: It may be the same amount as we received last year. It may be more. It would be less overall. But on a per student basis it would be about the same or slightly more. DR. SCANLON: And the memo I guess or the report, I did not see the report, I did see a response to the Todd Poole numbers, you asked me to look at 172 students, what	00:29:38	takes out some other costs which I then added back in, in terms of the analysis, looking at transportation costs, looking at the impact that this would have with the number of students going to Starkweather Elementary School in particular, which is a building that in 2014 we actually did a redistricting plan, pulled 75 kids out of there, but it is going to fill back up. There is no capacity there and the class size are at a higher level. So you weren't aware that I added some of that in I guess? Is that true or not? THE WITNESS: I simply took the number, series of numbers that you gave in the middle of the first page of your January 25th memo, totaling \$2.4 million in expenditures, divided it by the number of students that Todd projects, 172, which is very similar but not exactly the same as the number that I project, and come up with the \$13,955.40 per student. DR. SCANLON: Okay. And were you

		1	
	853		855
00:-28:-22 1	THE WITNESS: Well, I would	00:-26:-13	can't have an average level of household income
00:-28:-16 2	hesitate to say that they were part of it. I	00:-26:-10 2	and afford a home that is above average in cost
00:-28:-13	don't know that there is a connection between	00:-26:-05	or value.
12 4	these numbers and the ones on the front page.	00:-26:-04	DR. SCANLON: Okay.
00:-28:-09 5	DR. SCANLON: They are all	00:-26:-04 5	THE WITNESS: I wish that were
00:-28:-08 6	connected. They are all part of the same memo	00:-26:-03	true, but it is not.
00:-28:-06 7	to Mr. Poole in response.	00:-25:-58 7	DR. SCANLON: Are you aware that
00:-28:-03	When you look at, again, the	00:-25:-58	we also provide services to nonpublic school
00:-28:-01	expenses, we estimate about \$645,000 additional	00:-25:-54	students?
00:-27:-54 10	expenses per year, based on that, until we end	00:-25:-53 10	THE WITNESS: Yes. And those
00:-27:-50 11	up paying for some of the loan money that we	00:-25:-52 11	expenditures would be in your budget so they
00:-27:-47 12	are going to have to pay for bonds for some of	00:-25:-50 12	are included in the analysis.
00:-27:-44 13	the extra classroom or leasing a modular	00:-25:-49 13	DR. SCANLON: All right. No
00:-27:-42 14	classrooms until we do so.	00:-25:-47 14	further questions.
00:-27:-40 15	THE WITNESS: Well, that would	00:-25:-47 15	MR. MCKENNA: Thank you, Dr.
16	be	00:-25:-46 16	Scanlon.
00:-27:-39 17	DR. SCANLON: That is why that is	00:-25:-42 17	Mr. McFalls, here for the
00:-27:-38 18	all part of that and not just the one per pupil	00;-25:-40 18	Westminster Presbyterian Church?
00:-27:-34 19	charter school cost.	00:-25:-37 19	Mr. Feryo, for the Quarry
00:-27:-33 20	THE WITNESS: That would be the	00:-25:-30 20	Swimming Association?
00:-27:-33 21	net difference between the projected	00:-25:-30 21	MR. FERYO: No questions.
00:-27:-30 22	expenditures, based on your analysis, and the	00:-25:-29 22	MR. MCKENNA: Mr. Spackman, for
00:-27:-26 23	projected revenue, again, based on your	00:-25:-26 23	the Thornbury Farm Trust?
24 24	analysis.	00:-25:-23 24	Bradley or Amy Harkins?
-			
1	854		856
00:-27:-23	DR. SCANLON: Correct. And	00:-25:-17	
00:-27:-23 1 00:-27:-19 2		00:-25:-17 1 00:-25:-15 2	856
	DR. SCANLON: Correct, And		856 MS. HARKINS: No questions.
00:-27:-19 2	DR. SCANLON: Correct. And again, there is a shortfall in revenue based on	00:-25:-15 2	856 MS. HARKINS: No questions. MR. MCKENNA: Mr. Mammucari?
00:-27:-19 2	DR. SCANLON: Correct. And again, there is a shortfall in revenue based on expenses. Now, I understand that you use the	00:-25:-15 2	856 MS. HARKINS: No questions. MR. MCKENNA: Mr. Mammucari? MR. MAMMUCARI: No questions.
00:-27:-19 2 00:-27:-15 3 00:-27:-09 4	DR. SCANLON: Correct. And again, there is a shortfall in revenue based on expenses. Now, I understand that you use the average income, you made a comment about using	00:-25:-15 2 00:-25:-13 3 00:-25:-12 4	856 MS. HARKINS: No questions. MR. MCKENNA: Mr. Mammucari? MR. MAMMUCARI: No questions. MR. MCKENNA: Mr. Gadaleto?
00:27:49 2 00:27:45 3 00:27:09 4 00:27:06 5	DR. SCANLON: Correct. And again, there is a shortfall in revenue based on expenses. Now, I understand that you use the average income, you made a comment about using the average household median income to what I	00:25:45 2 00:25:43 3 00:25:42 4 00:25:07 5	MS. HARKINS: No questions. MR. MCKENNA: Mr. Mammucari? MR. MAMMUCARI: No questions. MR. MCKENNA: Mr. Gadaleto? Phillip Jones?
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	857	T	859
00:-23:-59	already have.	00:-22:-19	Doing these types of studies, unfortunately,
00:-23:-57	MR. ADELMAN: I'll just object to	00:-22:-17	
00:-23:-56 3	that. It wasn't a question.	00:-22:-14	
55 4	MR. MCKENNA: Understood. Thank	00:-22:-12	
00:-23:-54 5	you.	00:-22:-09 5	
00:-23:-53	MR. ADELMAN: Thank you.	00:-22:-07	
00:-23:-53 7	MR. MCKENNA: Thank you, Mr.	00:-21:-57 7	
00:-23:-52	Jones. Anything further?	00:-21:-55	
00:-23:-51	MR. JONES: Let me try to state	00:-21:-49 9	·
00:-23:-50 10	that as a question. Does it include the	00:-21:-44 10	
00:-23:-47 11	unfunded liability the School District	00:-21:-40 11	
00:-23:-45 12	currently has for significant pensions that	00:-21:-37 12	MR. DAULL: Here. No questions.
00:-23:-41 13	they have not been contributing to?	00:-21:-34 13	MR. MCKENNA: Scott Sobers?
00:-23:-39 14	THE WITNESS: I do not know. I	00:-21:-29 14	Mr. Pavelchek?
00:-23:-37 15	think that's a question better asked of the	00:-21:-27 15	MR. PAVELCHEK: No questions.
00:-23:-36 16	School District.	00:-21:-26 16	MR. MCKENNA: Phillip Jaeger?
00:-23:-34 17	MR. JONES: If they are missing	00:-21:-21 17	Mr. Cahill?
00:-23:-32 18	from this then this report is vastly incorrect;	00:-21:-17 18	David Pryze?
00:-23:-28 19	is that right? If there is a significant	00:-21:-14 19	Jennifer or Jeffrey Kramer?
00:-23:-27 20	expenditure missing in the School District's	00:-21:-08 20	MS. KRAMER: I do have a
00:-23:-23 21	expenditures, annual expenditures, is there not	00:-21:-07 21	question. Sorry, I did not catch what these
00:-23:-19 22	a significant error in this report?	00:-21:-01 22	numbers refer to. At one point you had
00:-23:-16 23	THE WITNESS: Well, the report is	00:-20:-59 23	mentioned that expenditures I believe involved
	The state of the s	1 24	-tu-d-ut- th
15 24	based on the School District budget. And if	00:-20:-57 24	students they were 3600 now and 15 years ago
15 24	based on the School District budget. And if	00:-20:-57 24	students they were 3600 now and 15 years ago 860
00:-23:-12 1		00:-20:-57 24	
00:-23:-12 1 00:-23:-10 2	858 there is a problem with the School District's budget, then, yes, there would be a problem		860 they were about 2500, I think? THE WITNESS: I believe you are
00:-23:-12 1 00:-23:-10 2	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis	00:-20:-52	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy
00:-23:-12 1 00:-23:-10 2	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of	00:-20:-50 1	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School
00:23:42 1 00:23:40 2 00:23:09 3	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you.	00:-20:-52 1 00:-20:-50 2 00:-20:-49 3	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget
00-23:42 1 00-23-40 2 00-23-09 3 00-23-05 4	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these	00:-20:-52 1 00:-20:-50 2 00:-20:-49 3 00:-20:-46 4	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student.
00:23:-12	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these assumptions.	00:-20:-52 1 00:-20:-50 2 00:-20:-49 3 00:-20:-46 4 00:-20:-44 5	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student. 12 years ago or so, maybe more
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00:23:42	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these assumptions. MR. MCKENNA: Thank you, Mr. Jones. Mr. Moscharis? Is he here? MS. MOSCHARIS: No.	00-20-52 1 00-20-59 2 00-20-49 3 00-20-46 4 00-20-40 6 00-20-32 8 00-20-32 9 00-20-23 10	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student. 12 years ago or so, maybe more than that, maybe 13 or 14 years ago, I did a similar analysis of a proposed development in West Chester Borough. That number was approximately \$2800 per student.
00:23:-12	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these assumptions. MR. MCKENNA: Thank you, Mr. Jones. Mr. Moscharis? Is he here? MS. MOSCHARIS: No. MR. MCKENNA: Do you have any	00-20-52 1 00-20-50 2 00-20-49 3 00-20-44 4 00-20-44 5 00-20-30 7 00-20-32 8 00-20-32 10 00-20-21 12	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student. 12 years ago or so, maybe more than that, maybe 13 or 14 years ago, I did a similar analysis of a proposed development in West Chester Borough. That number was approximately \$2800 per student. So the actual subsidy has gone
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00.2312 1 00.2310 2 00.2305 4 00.2305 5 00.2304 6 00.2303 7 00.2303 8 00.2303 10 00.2252 12 00.2252 13 00.2252 13 00.2251 14 00.2250 15 00.2245 16 00.2243 17	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these assumptions. MR. MCKENNA: Thank you, Mr. Jones. Mr. Moscharis? Is he here? MS. MOSCHARIS: No. MR. MCKENNA: Do you have any questions, ma'am? MS. MOSCHARIS: No, not at this time. Thank you. MR. MCKENNA: Allison Corcoran, any questions?	00-20-52 1 00-20-49 3 00-20-46 4 00-20-40 6 00-20-32 8 00-20-32 10 00-20-21 12 00-20-11 13 00-20-12 15 00-20-12 15 00-20-09 16	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student. 12 years ago or so, maybe more than that, maybe 13 or 14 years ago, I did a similar analysis of a proposed development in West Chester Borough. That number was approximately \$2800 per student. So the actual subsidy has gone up. What Dr. Scanlon was referring to is the proportion of overall expenditures that the state is essentially paying for has gone down during that time. That is entirely accurate. But the subsidy, nonetheless, that has gone up
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00.23.42 1 00.23.40 2 00.23.05 4 00.23.05 5 00.23.04 6 00.23.03 7 00.23.03 8 00.23.02 9 00.23.03 10 00.22.53 11 00.22.53 11 00.22.51 14 00.22.51 14 00.22.51 15 00.22.41 17 00.22.31 18	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these assumptions. MR. MCKENNA: Thank you, Mr. Jones. Mr. Moscharis? Is he here? MS. MOSCHARIS: No. MR. MCKENNA: Do you have any questions, ma'am? MS. MOSCHARIS: No, not at this time. Thank you. MR. MCKENNA: Allison Corcoran, any questions? MS. CORCORAN: Yes, quick question. The Rutgers study that you have referenced, what year was that study published?	00-20-52 1 00-20-49 3 00-20-46 4 00-20-40 6 00-20-40 6 00-20-32 8 00-20-32 11 00-20-21 12 00-20-11 13 00-20-12 15 00-20-14 15 00-20-04 18 00-20-03 19 00-20-03 20	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student. 12 years ago or so, maybe more than that, maybe 13 or 14 years ago, I did a similar analysis of a proposed development in West Chester Borough. That number was approximately \$2800 per student. So the actual subsidy has gone up. What Dr. Scanlon was referring to is the proportion of overall expenditures that the state is essentially paying for has gone down during that time. That is entirely accurate. But the subsidy, nonetheless, that has gone up a little bit. MS. KRAMER: Does that take inflation into account? I believe inflation,
00.23.42 1 00.23.40 2 00.23.05 4 00.23.05 5 00.23.04 6 00.23.03 7 00.23.03 8 00.23.02 9 00.23.00 10 00.22.52 12 00.22.52 12 00.22.52 15 00.22.51 14 00.22.51 14 00.22.51 15 00.22.41 17 00.22.31 18 00.22.31 18 00.22.31 19 00.22.30 21	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these assumptions. MR. MCKENNA: Thank you, Mr. Jones. Mr. Moscharis? Is he here? MS. MOSCHARIS: No. MR. MCKENNA: Do you have any questions, ma'am? MS. MOSCHARIS: No, not at this time. Thank you. MR. MCKENNA: Allison Corcoran, any questions? MS. CORCORAN: Yes, quick question. The Rutgers study that you have referenced, what year was that study published? THE WITNESS: This is dated June	00-20-52 1 00-20-50 2 00-20-46 4 00-20-46 6 00-20-30 7 00-20-32 8 00-20-25 10 00-20-21 12 00-20-16 14 00-20-16 14 00-20-17 15 00-20-07 17 00-20-04 18 00-20-03 19 00-20-02 20 00-19-59 21	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student. 12 years ago or so, maybe more than that, maybe 13 or 14 years ago, I did a similar analysis of a proposed development in West Chester Borough. That number was approximately \$2800 per student. So the actual subsidy has gone up. What Dr. Scanlon was referring to is the proportion of overall expenditures that the state is essentially paying for has gone down during that time. That is entirely accurate. But the subsidy, nonetheless, that has gone up a little bit. MS. KRAMER: Does that take inflation into account? I believe inflation, those numbers are equal.
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00.23.42 1 00.23.40 2 00.23.05 4 00.23.05 5 00.23.04 6 00.23.03 7 00.23.03 8 00.23.02 9 00.23.00 10 00.22.52 12 00.22.52 12 00.22.52 15 00.22.51 14 00.22.51 14 00.22.51 15 00.22.41 17 00.22.31 18 00.22.31 18 00.22.31 19 00.22.30 21	there is a problem with the School District's budget, then, yes, there would be a problem with my analysis. But I have no other basis of MR. JONES: Thank you. THE WITNESS: of making these assumptions. MR. MCKENNA: Thank you, Mr. Jones. Mr. Moscharis? Is he here? MS. MOSCHARIS: No. MR. MCKENNA: Do you have any questions, ma'am? MS. MOSCHARIS: No, not at this time. Thank you. MR. MCKENNA: Allison Corcoran, any questions? MS. CORCORAN: Yes, quick question. The Rutgers study that you have referenced, what year was that study published? THE WITNESS: This is dated June	00-20-52 1 00-20-50 2 00-20-46 4 00-20-46 6 00-20-30 7 00-20-32 8 00-20-25 10 00-20-21 12 00-20-16 14 00-20-16 14 00-20-17 15 00-20-07 17 00-20-04 18 00-20-03 19 00-20-02 20 00-19-59 21	they were about 2500, I think? THE WITNESS: I believe you are referring to the state and federal subsidy pursuant to the West Chester Area School District. And in the last school year budget it is \$3,602 per student. 12 years ago or so, maybe more than that, maybe 13 or 14 years ago, I did a similar analysis of a proposed development in West Chester Borough. That number was approximately \$2800 per student. So the actual subsidy has gone up. What Dr. Scanlon was referring to is the proportion of overall expenditures that the state is essentially paying for has gone down during that time. That is entirely accurate. But the subsidy, nonetheless, that has gone up a little bit. MS. KRAMER: Does that take inflation into account? I believe inflation, those numbers are equal. THE WITNESS: Does which number take inflation into account?

	861		863
00:-19:-52	THE WITNESS: Oh, those two	00:-17:-36	analysis came out in the early 1970s. I
00:-19:-51 2	subsidies? In part, yes. The state, with one	00:-17:-33 2	believe at that time there were six or eight
00-19:-44	notable year of exception, six years ago or so,	00:-17:-31 3	different methods. The two that have been
38 4	increases, either increases its subsidy per	00:-17:-26	discussed today are the Per Capita Multiplier
00:-19:-33 5	student to schools, or at the very least it	00:-17:-23 5	Method and the Case Study Method. There were
00:-19:-31	stays the same.	00:-17:-20 6	four or five or six additional methods.
00:-19:-30 7	Currently, the last two years I	00:-17:-17 7	MS. DEWOLF: And this method is
00:-19:-26	would say that the increase has been, there has	00:-17:-16	based on the census from 2000, did I hear you
00:-19:-24	been an increase in per-student expenditures or	00:-17:-12	say?
00:-19:-20 10	subsidies from the state.	00:-17:-12 10	THE WITNESS: Well, the
00:-19:-19 11	All I'm doing is assuming that	00:-17:-11 11	demographics are based on that, yes. But the
00:-19:-17 12	whatever level of subsidy per student the	00:-17:-09 12	methodology is specific to Rutgers University
00:-19:-14 13	district gets now will be the same as what it	00:-17:-05 13	Center For Urban Policy Research.
00:-19:-11 14	gets into the future.	00:-17:-03 14	MS. DEWOLF: Correct, I
00:-19:-09 15	My analysis, any fiscal impact	00:-17:-02 15	understand that. You just said that you have a
00:-19:-06 16	analysis, really, is a snapshot in time based	00:-17:-01 16	snapshot of today's levels of, you know, per
00:-19:-02 17	on today's levels of expenditures and revenue	00:-16:-55 17	October. So what, given the census in 2000 and
00:-18:-59 18	and taxation and mortgage rates and everything	00:-16:-48 18	the Rutgers study is also from, what, 2006 did
00:-18:-55 19	else that would be involved.	00:-16:-45 19	you say?
00:-18:-53 20	Obviously, this snapshot is from	00:-16:-44 20	THE WITNESS: Well, that's just
00:-18:-51 21	October of last year, so it is not exactly	00:-16:-43 21	the demographic multipliers from Rutgers, yes.
00:-18:-48 22	current. But this was submitted last year.	00:-16:-39 22	MS. DEWOLF: Correct. Have you
00:-18:-46 23	MS. KRAMER: Thank you.	00:-16:-38 23	any way to bring it to a more accurate level to
45 24	THE WITNESS: You are welcome.	00:-16:-31 24	October of 2016? Did you factor in, did you

1	862		864
00:-18:-43 1	MR. MCKENNA: Megan Bruns?	00:-16:-26	864 use any methodology to kind of bring it to
00:-18:-43 1 00:-18:-39 2	MR. MCKENNA: Megan Bruns? Mr. Skros?	00:-16:-24	use any methodology to kind of bring it to current status? Or was it just based on the
00:-18:-43	MR. MCKENNA: Megan Bruns? Mr. Skros? MR. SKROS: No questions. Thank		use any methodology to kind of bring it to current status? Or was it just based on the census from 2000 and the multipliers from 2006
00:-18:-43	MR. MCKENNA: Megan Bruns? Mr. Skros? MR. SKROS: No questions. Thank you.	00:-16:-24 2 00:-16:-20 3 00:-16:-14 4	use any methodology to kind of bring it to current status? Or was it just based on the census from 2000 and the multipliers from 2006 which Rutgers suggests?
00:48:43	MR. MCKENNA: Megan Bruns? Mr. Skros? MR. SKROS: No questions. Thank you. MR. MCKENNA: Eileen Carey.	00:46:24 2 00:46:20 3 00:46:44 4 00:46:42 5	use any methodology to kind of bring it to current status? Or was it just based on the census from 2000 and the multipliers from 2006 which Rutgers suggests? THE WITNESS: Well, the
00:18:43	MR. MCKENNA: Megan Bruns? Mr. Skros? MR. SKROS: No questions. Thank you. MR. MCKENNA: Eileen Carey. MS. CAREY: No questions.	00:-16:-24 2 00:-16:-20 3 00:-16:-14 4 00:-16:-12 5 00:-16:-11 6	use any methodology to kind of bring it to current status? Or was it just based on the census from 2000 and the multipliers from 2006 which Rutgers suggests? THE WITNESS: Well, the multipliers from 2006 are based on the 2000
00:48:39	MR. MCKENNA: Megan Bruns? Mr. Skros? MR. SKROS: No questions. Thank you. MR. MCKENNA: Eileen Carey. MS. CAREY: No questions. MR. MCKENNA: Jim McDermott?	00:46:24 2 00:46:20 3 00:46:44 4 00:46:42 5 00:48:41 6 00:46:08 7	use any methodology to kind of bring it to current status? Or was it just based on the census from 2000 and the multipliers from 2006 which Rutgers suggests? THE WITNESS: Well, the multipliers from 2006 are based on the 2000 census, so those two sets of figures are one
00:-18:-43	MR. MCKENNA: Megan Bruns? Mr. Skros? MR. SKROS: No questions. Thank you. MR. MCKENNA: Eileen Carey. MS. CAREY: No questions. MR. MCKENNA: Jim McDermott? Dennis or Patricia McFadden?	00:46:24 2 00:46:20 3 00:46:14 4 00:46:12 5 00:46:41 6 00:46:48 7 00:46:08 8	use any methodology to kind of bring it to current status? Or was it just based on the census from 2000 and the multipliers from 2006 which Rutgers suggests? THE WITNESS: Well, the multipliers from 2006 are based on the 2000 census, so those two sets of figures are one and the same.
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	865		867
1	accurate number to date, or did you just base	00:-12:-15	(Record read.)
00:-15:-16	it on the 2000 Census and the Rutgers		MS. DEWOLF: You had mentioned
	methodology that was based on the year 2006?		with the Per Capita Method that it didn't
00:-15:-08 3	THE WITNESS: Well, that's what I		include sewer or on-lot or any of that piece.
1 -	-	_	What else does the Per Capita Method not
	used. Point of bringing this study up from Montgomery County is that it is newer set of		include that perhaps might be a capital cost as
	numbers, but it corroborates, it confirms the	00:-11:-58 0	well?
00:-14:-55	demographics from the Rutgers study based on	00:-11:-52	THE WITNESS: Well, the reason I
00:-14:-52	the 2000 Census.	00:-11:-50	did not include the sewer costs has nothing to
00:-14:-48 10	MS. DEWOLF: Okay. Have you ever	00:41:46 10	do with the choice of the Per Capita Multiplier
00:-14:-46 11	combined studies? You chose the per capita	00:-11:-43 11	Method.
00:14:43 12	study, correct?	00:-11:-42 12	MS. DEWOLF: Right.
00:-14:-42 13	THE WITNESS: Per Capita	00:-11:-42 13	THE WITNESS: Sometimes sewer
00:-14:-41 14	Multiplier, yes.	00:-11:-40 14	costs are included, but in this instance the
00:-14:-40 15	MS. DEWOLF: Which is a	00:-11:-36 15	sewer fund is essentially a proprietary fund
00:-14:-39 16	projection, correct?	00:-11:-32 16	where the township or sewer authority, some
00:-14:-38 17	THE WITNESS: Well, they are all	00:-11:-26 17	official body will set the revenue rates,
00:-14:-37 18	projections, correct.	00:-11:-23 18	whether it is sewer rents or connection fees or
00:-14:-36 19	MS. DEWOLF: Correct. And we	00:-11:-18 19	perhaps other fees, in order to cover the costs
00:-14:-34 20	discussed the Case Study earlier, but yet you	00:-11:-13 20	of collecting and treating the sewage.
00:-14:-31 21	didn't use the Interview Method for obtaining	00:-11:-08 21	If you need more money you are
00:-14:-27 22	perhaps some more accurate data.	00:-11:-07 22	going to raise those sewer rents. You are not
00:-14:-24 23	Have you ever done a	00:-11:-05 23	going to increase taxes. So that's kind of a
24	collaborative of the two in a fiscal impact?	00:-11:-03 24	separate analysis. But we would assume that
22 24	collaborative of the two in a fiscal impact:	00:-11:-03	separate analysis. But we would assume that
2 24	866	001103	868
00:-14:-18		00:-10:-59	
	866		whatever the money would be coming in to the
00:-14:-18 1	866 In other words, combining a little bit of the	00:-10:-59	whatever the money would be coming in to the sewer fund would be roughly equivalent to the
00:-14:-16 1	866 In other words, combining a little bit of the Per Capita Method but also checking it with the	00:-10:-59 1	868 whatever the money would be coming in to the sewer fund would be roughly equivalent to the
00:-14:-18 1 00:-14:-16 2 00:-14:-12 3	In other words, combining a little bit of the Per Capita Method but also checking it with the Case Study Method as well?	00:-10:-59 1 00:-10:-56 2 00:-10:-53 3	whatever the money would be coming in to the sewer fund would be roughly equivalent to the money being spent in the sewer fund. And if it
00:14:-18	In other words, combining a little bit of the Per Capita Method but also checking it with the Case Study Method as well? THE WITNESS: In a few instances I started with the Per Capita Multiplier Method, and then after submission to a	00:-10:-59 1 00:-10:-56 2 00:-10:-53 3 00:-10:-51 4	whatever the money would be coming in to the sewer fund would be roughly equivalent to the money being spent in the sewer fund. And if it is not, then the township would do what it would need to do in order to correct that deficiency.
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	960		871
	869		
00 -10:-03	THE WITNESS: I do not know of	00:-07:-59	MS. DEWOLF: Right. I think
00:-10:-01 2	any other capital costs. The expenditures that	00:-07:-49 2	that's all. Thank you.
00:-09:-55	I studied in this report could include	00:-07:-47 3	MR. HAWS: I just have a couple
52 4	financing for some capital expenditures through	00:-07:-42 4	questions as well. So help me understand the
00:-09:-49 5	debt service. Sometimes the municipalities do	00:-07:-38 5	earned income tax calculation that you
00:-09:-44	not build or purchase capital equipment or	00:-07:-34 6	generated. So from the beginning of this
00:-09:-37	facilities using cash. It is financed over	00:-07:-29 7	proceedings we have been told nothing of what
00:-09:-32	time, using usually a bond, and the debt	00:-07:-27	the valuation of the properties will be of the
00:-09:-30	service for that bond would be an annual,	00:-07:-23	asking prices. So how is it possible that you
00:-09:-28 10	ongoing operating expenditure, and that would	00:-07:-19 10	are able to figure out what their earned income
00:-09:-26 11	be included in the analysis.	00:-07:-15 11	tax would be based on an assumption of
00:-09:-23 12	Offhand I cannot tell you if	00:-07:-11 12	mortgage?
00:-09:-21 13	that's the case for Westtown Township. If you	00:-07:-09 13	THE WITNESS: Well, the
00:-09:-18 14	like, we can examine the budget and look for	00:-07:-07 14	assumptions put into a fiscal impact analysis
00:-09:-14 15	debt service. There might be something of that	00:-07:-05 15	for a residential development, at least, must
00:-09:-12 16	in there.	00:-07:-01 16	absolutely include the average price of each
00:-09:-10 17	MS. DEWOLF: How do the numbers	00:-06:-57 17	dwelling type. And these figures are from the
00:-09:-08 18	skew for considering the ages of school	00:-06:-55 18	applicant. And I believe they are average
00:-09:-05 19	children on a development of this sort? Are	00:-06:-53 19	prices, not minimum prices. They assume an
00:-09:-02 20	they high school kids? Are they pre-schoolers?	00:-06:-49 20	average lot premium and an average set of
00:-08:-59 21	What are they normally and how do you project	00:-06:-46 21	add-ons and so forth.
00:-08:-56 22	their difference? Because we are talking	00:-06:-45 22	And the numbers that I was given
00:-08:-53 23	Starkweather, but we also have other ages of	00:-06:-43 23	are \$810,000 for the single-family homes and
-50 24	students coming in. So did you look at any of	00:-06:-36 24	\$600,000 for the carriage homes. And I plugged
7	870		872
1			
00:-08:-47	that at all?	00:-06:-30	those numbers into my magical spreadsheet and
00:-08:-47 1	that at all? THE WITNESS: Well, the	00:-06:-30 1	those numbers into my magical spreadsheet and that's where it comes from.
00:-08:-46 2	THE WITNESS: Well, the	00:-06:-27	that's where it comes from.
00:-08:-46 2	THE WITNESS: Well, the demographic multipliers that I used are total	00:-06:-27 2	that's where it comes from. MR. HAWS: Okay. And then you
00:-08:-46 2 00:-08:-45 3 00:-08:-41 4	THE WITNESS: Well, the demographic multipliers that I used are total number of school-age children per unit for each	00:-06:-27 2 00:-06:-26 3 00:-06:-25 4	that's where it comes from. MR. HAWS: Okay. And then you had also made a comment to or a response to one
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	873		875
00:-05:-26		4	township staff, additional road staff,
	10 percent down payment. MR. HAWS: So I understood that	00:-02:-49 1	infrastructure that is needed? So I understand
	you came up with a per resident fee sorry,		that you calculated the costs that we are
00:-05:-12	Carol, can you just back up a little bit? I'm		getting, but you didn't net out those
05 4		_	additional expenditures?
6	sorry. Since I was trying to talk to him, it is kind of hard.		THE WITNESS: No, it does take
_	So you came up with a per	_	into account those additional expenditures. If
	property fee, and you said that when you were		I had assumed no additional expenditures then
	looking at expenditures and revenue from a		the annual expenditure number would be zero,
00:-04:-53 9	township and that there is a positive for this	00:-02:-28 10	which would be a laughable, ridiculous notion.
00:-04:-47	development, but that did not factor in	00:-02:-28 10	That's obviously not accurate.
00:-04:-45 11	additional services being required. So I	00:-02:-23 11	But this development will
00:-04:-41 12	understand where you were coming from when you	00:-02:-21 12	generate significant annual expenditures on the
00:-04:-37 13	were saying that you averaged everything out.	00:-02:-19 13	part of the township. However, what I'm saying
00:-04:-34 14	And maybe I'm incorrect. I'm a scientist by	00:-02:-16 14	is that the revenue to be generated by this
00:-04:-33 15	training, so these numbers are new to me. But	00:-02:-13 15	development exceeds the expenditures on an
00:-04:-30 10	you said you took the total revenue, total	00:-02:-11	annual basis and, therefore, there is projected
00:-04:-26	expenditures, and you came out with a net	00:-02:-05 18	to be an annual net surplus every year.
00:-04:-20 10	positive, then you divided that by a certain	00:-02:-03 10	MR. HAWS: So, again, I
00:-04:-18 19	number and you got a per capital rate, per home	00:-02:-02 13	understand that, but where did you come up with
00:-04:-15 20	or something?	00:-01:-57 21	the additional expenditures for this
00:-04:-09 22	THE WITNESS: Well, there is a	00:-01:-54 22	development?
00:-04:-08 23	per unit expenditure figure for each of the two	00:-01:-53 23	THE WITNESS: Well, mostly from
-05 24	dwelling types, and a per unit revenue figure	00:-01:-52 24	the township budget. Again, I took the budget,
	874	00:-01:-48	876
00:-04:-02	874 for each of the two dwelling types, and if you	00:-01:-48 1	876 the operating funds, the three operating
00:-04:-02 1 00:-04:00 2	674 for each of the two dwelling types, and if you subtract the expenditures from the revenue you	00:-01:-46 2	876
00:-04:-02 1 00:-04:00 2 00:-03:-58 3	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling	00:-01:-46 2	876 the operating funds, the three operating funds MR. HAWS: But that is as it is
00:-04:-02 1 00:-04:00 2	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types.	00:-01:-46 2	876 the operating funds, the three operating funds
00:-04:-02 1 00:-04:00 2 00:-03:-56 3 00:-03:-55 4	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree	00:-01:-46 2 00:-01:-45 3 00:-01:-44 4	876 the operating funds, the three operating funds MR. HAWS: But that is as it is today?
00:-04:-02	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types.	00:-01:-46 2 00:-01:-45 3 00:-01:-44 4 00:-01:-43 5	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right.
00:-04:-02	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of	00:-01:-46 2 00:-01:-45 3 00:-01:-44 4 00:-01:-43 5 00:-01:-42 6	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no
00:-04:-02	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township	00:-01:-46 2 00:-01:-45 3 00:-01:-44 4 00:-01:-43 5 00:-01:-42 6 00:-01:-41 7	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth?
00:-04:-02	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township expenditures of \$437,000 or so per year.	00:-01:-46 2 00:-01:-45 3 00:-01:-44 4 00:-01:-43 5 00:-01:-42 6 00:-01:-41 7 00:-01:-40 8	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth? THE WITNESS: No. The assumption
00:04:02	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township expenditures of \$437,000 or so per year. That's a significant expansion of township	00:-01:-46	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth? THE WITNESS: No. The assumption is that whatever you spend per person today on
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00:-04:-02 1 00:-04:-02 2 00:-03:-58 3 00:-03:-55 4 00:-03:-55 5 00:-03:-52 6 00:-03:-46 8 00:-03:-36 10 00:-03:-36 11 00:-03:-36 11 00:-03:-32 13 00:-03:-32 13 00:-03:-25 15 00:-03:-25 15 00:-03:-24 17	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township expenditures of \$437,000 or so per year. That's a significant expansion of township expenditures. MR. HAWS: So what page was that on that you referenced that? THE WITNESS: That would be on the bottom of page 7. It would also appear on the township's spreadsheet, which is the second to the final page. MR. HAWS: So what was that	00:01:46	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth? THE WITNESS: No. The assumption is that whatever you spend per person today on your existing residents, you will also spend that same amount on the future residents of the proposed development. And that number is \$455, it is \$455.16 cents per person, per year. And that number is then applied to the number of residents in the proposed development at build-out and full occupancy to yield the projection of \$437,000 or so of annual
00:04:02 1 00:04:02 2 00:03:58 3 00:03:55 4 00:03:55 5 00:03:52 6 00:03:49 7 00:03:46 8 00:03:36 10 00:03:36 11 00:03:36 11 00:03:31 12 00:03:32 13 00:03:32 13 00:03:31 14 00:03:23 16 00:03:14 17 00:03:14 17	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township expenditures of \$437,000 or so per year. That's a significant expansion of township expenditures. MR. HAWS: So what page was that on that you referenced that? THE WITNESS: That would be on the bottom of page 7. It would also appear on the township's spreadsheet, which is the second to the final page. MR. HAWS: So what was that number again? You said 436,000?	00:-01:-46	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth? THE WITNESS: No. The assumption is that whatever you spend per person today on your existing residents, you will also spend that same amount on the future residents of the proposed development. And that number is \$455, it is \$455.16 cents per person, per year. And that number is then applied to the number of residents in the proposed development at build-out and full occupancy to yield the projection of \$437,000 or so of annual expenditures for the township.
00:-04:-02 1 00:-04:-02 2 00:-03:-58 3 00:-03:-55 4 00:-03:-55 5 00:-03:-52 6 00:-03:-46 8 00:-03:-36 10 00:-03:-36 11 00:-03:-34 12 00:-03:-32 13 00:-03:-32 13 00:-03:-34 14 00:-03:-34 15 00:-03:-34 17 00:-03:-34 17	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township expenditures of \$437,000 or so per year. That's a significant expansion of township expenditures. MR. HAWS: So what page was that on that you referenced that? THE WITNESS: That would be on the bottom of page 7. It would also appear on the township's spreadsheet, which is the second to the final page. MR. HAWS: So what was that number again? You said 436,000? THE WITNESS: \$436,834 of annual	00:01:46	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth? THE WITNESS: No. The assumption is that whatever you spend per person today on your existing residents, you will also spend that same amount on the future residents of the proposed development. And that number is \$455, it is \$455.16 cents per person, per year. And that number is then applied to the number of residents in the proposed development at build-out and full occupancy to yield the projection of \$437,000 or so of annual expenditures for the township. MR. HAWS: Would you say that that is a huge assumption, though, that what we spend today per resident would be the same as
00:04:02 1 00:04:02 2 00:03:58 3 00:03:55 4 00:03:55 5 00:03:52 6 00:03:49 7 00:03:46 8 00:03:38 9 00:03:38 11 00:03:38 11 00:03:38 12 00:03:38 13 00:03:38 14 00:03:38 15 00:03:31 14 00:03:31 14 00:03:31 15 00:03:31 18 00:03:11 19 06 20	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township expenditures of \$437,000 or so per year. That's a significant expansion of township expenditures. MR. HAWS: So what page was that on that you referenced that? THE WITNESS: That would be on the bottom of page 7. It would also appear on the township's spreadsheet, which is the second to the final page. MR. HAWS: So what was that number again? You said 436,000? THE WITNESS: \$436,834 of annual expenditures for the Plan A for the proposed	00:-01:-46	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth? THE WITNESS: No. The assumption is that whatever you spend per person today on your existing residents, you will also spend that same amount on the future residents of the proposed development. And that number is \$455, it is \$455.16 cents per person, per year. And that number is then applied to the number of residents in the proposed development at build-out and full occupancy to yield the projection of \$437,000 or so of annual expenditures for the township. MR. HAWS: Would you say that that is a huge assumption, though, that what we spend today per resident would be the same as future? There has to be some tipping point
00:04:02	for each of the two dwelling types, and if you subtract the expenditures from the revenue you get the net impact for each of the dwelling types. But I would respectfully disagree it does take into account the expansion of township services. That's the total township expenditures of \$437,000 or so per year. That's a significant expansion of township expenditures. MR. HAWS: So what page was that on that you referenced that? THE WITNESS: That would be on the bottom of page 7. It would also appear on the township's spreadsheet, which is the second to the final page. MR. HAWS: So what was that number again? You said 436,000? THE WITNESS: \$436,834 of annual expenditures for the Plan A for the proposed development.	00:01:46 2 00:01:45 3 00:01:44 4 00:01:43 5 00:01:42 6 00:01:40 8 00:01:40 8 00:01:38 9 00:01:38 11 00:01:30 12 00:01:40 12 00:01:41 15 00:01:41 16 00:01:41 17 00:01:05 18 00:01:04 19 00:01:04 19 00:01:04 20 00:01:04 21	the operating funds, the three operating funds MR. HAWS: But that is as it is today? THE WITNESS: Right. MR. HAWS: That's with no additional growth? THE WITNESS: No. The assumption is that whatever you spend per person today on your existing residents, you will also spend that same amount on the future residents of the proposed development. And that number is \$455, it is \$455.16 cents per person, per year. And that number is then applied to the number of residents in the proposed development at build-out and full occupancy to yield the projection of \$437,000 or so of annual expenditures for the township. MR. HAWS: Would you say that that is a huge assumption, though, that what we spend today per resident would be the same as

	877		_	879
00:00:-48 1			1	go, new development tends to be higher end than
00.00.40	becomes lower or higher at some point? THE WITNESS: And my experience	00:01:29	2	existing nearby development. I think most
	has been that if there is some, any excess	00:01:34	3	people would agree with that. Most new homes
1	capacity in facilities, personnel, equipment,	00:01:37	4	are going to be sold for more than existing
Y =	manpower, vehicles and such, then it does not	00:01:39	5	homes that are nearby.
	cost this amount per person into the future.	00:01:42	6	And, therefore, everything else
-	It is actually lower than that.	00:01:45	7	being equal, namely the dwelling type, dwelling
	So, again, my expenditure	00:01:48	8	size and so forth, the revenue from new
	projections tend to be conservative, which		9	development tends to be higher than the revenue
00:00:-22 9	means they are higher than what I would	00:01:53		from existing development, but the expenditures
00:00:-19 10	actually anticipate for a given development.	00:01:55		are comparable. So as a general rule, new
00:00:-17	MR. HAWS: And that's fine. But	00:01:58		development tends to pay for itself.
00:00:-13 12	my question is not talking about the numbers in	00:02:02		MR. HAWS: Okay. So, but, I
00:00:-12 13	general. But what you are saying is that what	00:02:07		mean, you will say that it is an assumption
00:00:-09 14	we spend today will be what we spend tomorrow,	00:02:09		that the cost is equal as it is today to this
00:00:-07 15	and I'm asking you from just a general planning	00:02:12		development? You know, excluding, you know,
00:00:00 17	standpoint, there has to be a critical point	00:02:16		factors of maybe they need to build additional
00:00:01 18	where what you spend today versus tomorrow,	00:02:20		buildings or other things that could increase
00:00:05 19	there is a tipping point on the number of	00:02:24		the cost of this development?
00:00:05 19	people that there are, so whether your township	00:02:28		THE WITNESS: Well, when you say
00:00:10 21	gets half, you are not going to be spending	00:02:28		"this development," I would agree with you up
00:00:10 21	that much because you have less services. If	00:02:23		to the point where you say "this development."
00:00:15 23	your township doubles, you are going to be	00:02:34		Oh, does this development refer
17 24	spending more. There has to be a critical	00:02:36		to Crebilly Farms?
<u>v</u>	878			, 880
00:00:19	point where that number changes.	00:02:37	1	MR. HAWS: Yes.
00:00:22	So all I'm asking is that this is	00:02:38	2	THE WITNESS: Oh, I'm sorry. I'm
00:00:25	a large assumption that you made with your	00:02:40	3	sorry. I'm sorry. I'm assuming that the
00:00:27	analysis, is the per capital spend is equal?	00:02:42	4	expenditures for Crebilly Farms will be the
00:00:32 5	THE WITNESS: Yes, it is an	00:02:43	5	same, exactly the same on a per person, per
00:00:33 6	average costing technique. It, again, assumes	00:02:47	6	capita basis, as the entire township right now,
00:00:37	what you spend now is the same as what you will			capital basis, as the stress of terminating higher
00:00:41 8	, .	00:02:51	7	or actually 2016 because that's when the study
	spend in the future per person.	00:02:51	7 8	
00:00:43	spend in the future per person. MR. HAWS: Did your fiscal			or actually 2016 because that's when the study
00:00:43 9		00:02:53	8 9	or actually 2016 because that's when the study was done, and that is what an average costing
40	MR. HAWS: Did your fiscal	00:02:53	8 9 10	or actually 2016 because that's when the study was done, and that is what an average costing technique is.
00:00:44 10	MR. HAWS: Did your fiscal analysis look at any of the ongoing current	00:02:53 00:02:56 00:02:57	8 9 10 11	or actually 2016 because that's when the study was done, and that is what an average costing technique is. MR. HAWS: But it doesn't take
00:00:44 10 00:00:47 11	MR. HAWS: Did your fiscal analysis look at any of the ongoing current development and factor in those needs as well?	00:02:53 00:02:56 00:02:57 00:02:59	8 9 10 11 12	or actually 2016 because that's when the study was done, and that is what an average costing technique is. MR. HAWS: But it doesn't take into account looking at our public works
00:00:44 10 00:00:47 11 00:00:50 12	MR. HAWS: Did your fiscal analysis look at any of the ongoing current development and factor in those needs as well? THE WITNESS: In terms of	00:02:53 00:02:56 00:02:57 00:02:59 00:03:02	8 9 10 11 12 13	or actually 2016 because that's when the study was done, and that is what an average costing technique is. MR. HAWS: But it doesn't take into account looking at our public works capacity, our police department capacity
00:00:44 10 00:00:47 11 00:00:50 12 00:00:54 13	MR. HAWS: Did your fiscal analysis look at any of the ongoing current development and factor in those needs as well? THE WITNESS: In terms of expenditures?	00:02:53 00:02:56 00:02:57 00:02:59 00:03:02	8 9 10 11 12 13 14	or actually 2016 because that's when the study was done, and that is what an average costing technique is. MR. HAWS: But it doesn't take into account looking at our public works capacity, our police department capacity THE WITNESS: Right.
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	881		883
00:03:41 1	thereof of specific functions of the	00:06:10 1	where again?
00:03:41	municipality. And I believe that his municipal	00:06:10	MR. HAWS: It is the third
00:03:50	service costs are comparable to mine in the	00:06:11 3	paragraph below the bullets on page 11.
54 4	projections.	00:06:28 4	THE WITNESS: Where?
00:03:57 5	Well, his are slightly higher.	00:06:30 5	MR. HAWS: The first sentence.
00:03:59	His are 520,000, mine are 436,000.	00:06:30 6	THE WITNESS: This one?
00:04:05 7	MR. HAWS: Okay. Thank you.	00:06:31 7	MR. ADELMAN: Yes.
00:04:09	Just one other question. I know Carol touched	00:06:32	THE WITNESS: The percentages
00:04:12	on this a little bit. So the Rutgers 2006	00:06:33	I'm sorry, I thought you mentioned dollar
00:04:16 10	study is based off of the 2000 Census. But	00:06:35 10	figures. For each of the two dwelling types,
00:04:19 11	that factor of the sorry. Still trying to	00:06:41 11	this paragraph notes the differences or the
00:04:26 12	figure out the terminology. The demographics	00:06:44 12	extent to which expenditures exceed revenue,
00:04:32 13	multiplier for dwelling types is based off of	00:06:48 13	resulting in a deficit, or revenue exceeds
00:04:36 14	data that was collected from 1990 to 2000; is	00:06:53 14	expenditures, resulting in a surplus, in an
00:04:39 15	that correct?	00:06:55 15	annual going basis for each dwelling types.
00:04:39 16	THE WITNESS: Well, it was	00:06:58 16	And for the carriage homes, the
00:04:40 17	collected in the 2000 Census but based on units	00:07:00 17	carriage homes are projected to house far fewer
00:04:43 18	that were built in the 1990s only.	00:07:03 18	school-age children per unit than the
00:04:46 19	MR. HAWS: So is it fair to say	00:07:04 19	single-family homes, based on the demographic
00:04:47 20	that what was built in the 1990s to 2000 are	00:07:07 20	multipliers from the census, and, therefore,
00:04:55 21	significantly different than what is today?	00:07:09 21	the expenditures for the school district will
00:04:59 22	THE WITNESS: My opinion would be	00:07:12 22	be significantly lower for the carriage homes
00:05:02 23	that the demographics of units built in the	00:07:15 23	compared to the single homes.
06 24	1990s would be comparable to the demographics	00:07:16 24	However, the revenue will not
) I	882		884
00:05:08 1	of units that are going to be built in Westtown	00:07:19 1	have as significant a difference. The revenue
00:05:11 2	in the next five or ten years. In general,	00:07:22 2	will be quite high for the carriage homes.
00:05:14	average household sizes have been declining in	00:07:24 3	These are still relatively high-value homes,
00:05:16	this country for more than a hundred years.	00:07:28 4	even though they might not be as high as the
00:05:19 5	There may be some modifications of that for	00:07:30 5	single-family detached dwellings.
00:05:22	short periods of time. But, overall,	00:07:32	So if you take the revenue and
00:05:24 7	households have been declining in size. So at	00:07:33 7	subtract the expenditures, there will be a
00:05:28	the very least, I don't think the demographics	00:07:35	significant annual surplus to the School
00:05:31	will be significantly higher in Westtown	00:07:38 9	District from the carriage homes.
00:05:34 10	Township compared to the statewide averages.	00:07:40 10	MR. HAWS: The only reason why I
00:05:38 11	MR. HAWS: Okay. THE WITNESS: Again, demographics	00:07:43 11	was asking was because it just says annual revenue, and everywhere else it talked about
	change every year. They change every day, for	00:07:45 12	the School District revenues, so I didn't know
00:05:40 13	that matter. New family moves in, an old	00:07:50 14	what revenues this was referring to.
00:05:42 14	family moves out. The demographics are	00:07:50 1-	THE WITNESS: Everything on page
00:05:44	different.	00:07:53 16	11 is the School District.
00:05:48 17	MR. HAWS: And then just one	00:07:54 17	MR. HAWS: I understand that. It
00:05:49 18	final question. On page 11 of your report, the	00:07:56 18	is just every other time you reference School
00:05:49	third paragraph down where you talk about the	00:08:00 19	District, so that's why I just wanted
36 20	annual revenue is projected to exceed an annual	00:08:01 20	clarification on the record that this was
00:06:01 21	expenditure by 143.4 percent for carriage	00:08:03 21	referring to the School District.
00:06:06 22	homes, can you just walk me through that	00:08:04 22	THE WITNESS: It is.
00:06:08 23	quickly.	00:08:05 23	MR. HAWS: Okay. Thank you very
00:06:09 24	THE WITNESS: And that would be	00:08:06 24	much.

1	885		887
00:08:06	THE WITNESS: You are welcome,	00:10:57 1	apportioning method is incorrect.
00:08:10 2	MS. DEWOLF: Another question	00:11:01 2	THE WITNESS: If you read on, on
00:08:12	here. Did you see the 4Ward Planning analysis	00:11:04 3	page 9 he also notes that he is not familiar
, a 4	of the study?	00:11:06	with the refinement coefficient which is part
00:08:25	THE WITNESS: I saw one of them.	00:11:08 5	of the method that I used, which is a little
00:08:27 6	This is dated February 3rd, 2017.	00:11:10 6	bit more involved than the method that he used.
00:08:32 7	MS. DEWOLF: Can you refer to	00:11:14 7	The refinement coefficient does take into
00:08:33	page 8. And he speaks as a consequence of	00:11:16	account that ratio. Again, it is slightly
00:08:42	methodology which he believes is incorrect that	00:11:18 9	different, but it almost it gets you to
00:08:45 10	you utilized. And he says: "As a consequence,	00:11:21 10	almost the same place.
00:08:48 11	the derived non-residential ratio is higher	00:11:23 11	MS. DEWOLF: Thank you.
00:08:51 12	than it otherwise would be (and, conversely,	00:11:28 12	MR. MCKENNA: Mr. Adelman, any
00:08:53 13	the residential ratio would be understated)	00:11:30 13	redirect?
00:08:57 14	resulting in an understatement of the per	00:11:32 14	THE WITNESS: I'm sorry, to
00:09:00 15	capita residential costs shown."	00:11:33 15	answer the previous question, he uses something
00:09:02 16	So can you explain that?	00:11:35 16	called the Preview Fiscal Impact Model, which
00:09:07 17	THE WITNESS: Yes.	00:11:39 17	came out in the late 1990s, and it is, I would
00:09:09 18	MS. DEWOLF: Well, he seems to	00:11:44 18	refer to it almost as a shortcut method. It is
00:09:10 19	think your numbers are	00:11:46 19	not the full kind of standard, old-school
00:09:13 20	THE WITNESS: Mr. Poole used a	00:11:49 20	method of going through the refinement
00:09:14 21	slightly different methodology based on what I	00:11:51 21	coefficients. It is no less or more valid. It
00:09:21 22	would put it this way: The methodology that	00:11:54 22	is just slightly different.
00:09:24 23	I used is based on the original, standard,	00:11:56 23	MR. MCKENNA: Mr. Adelman?
37 24	straight ahead sources, what I like to call old	00:11:57 24	MR. ADELMAN: Yes, I just have a
24		00:11:07	
1 24	886	00.11.07	888
00:09:30	886 school.	00:11:59	
	886 school. His method is based on the, oh, I	00:11:59 1 00:12:01 2	888 brief question following up on Mr. Poole's report.
00:09:30	school. His method is based on the, oh, I forget the name of it, it is a newer version of	00:11:59 1 00:12:01 2 00:12:01 3	888 brief question following up on Mr. Poole's report. REDIRECT EXAMINATION
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00:09:30 1 00:09:31 2 00:09:31 4 00:09:43 4 00:09:47 5 00:09:49 6 00:09:55 7 00:09:58 8 00:09:59 9 00:10:01 10 00:10:12 12 00:10:18 13 00:10:21 14 00:10:25 15 00:10:26 16 00:10:31 17 00:10:34 18 00:10:34 18 00:10:34 19 00:00:10:45 21	school. His method is based on the, oh, I forget the name of it, it is a newer version of the methodology that I don't use. The methodologies are very similar, but they are not exactly the same. His methodology is MS. DEWOLF: It says: "Babbitt's method only employs the proportion of non-residential property value (196,406,458 in 2016 assessed non-residential value divided by \$902,803,813 in 2016 total assessed property value, resulting in non-residential assessed value share of 21.8 percent)." And then he goes on to say: "While Babbitt's report does identify the total number of land parcels (3,690) and the number of parcels which are categorized as non-residential (211), no ratio is derived for either the number of residential or non-residential parcels," like I said before,	00:11:59	brief question following up on Mr. Poole's report. REDIRECT EXAMINATION BY MR. ADELMAN: Q. Mr. Babbitt, does Mr. Poole's report, Exhibit B-17, shows a surplus or a net positive revenue? A. The Poole report shows net surpluses for both the township and the School District. MR. ADELMAN: Thank you. I have no further questions. MR. MCKENNA: Ms. Camp, any questions for the Planning Commission? MS. CAMP: No. MR. MCKENNA: Mr. Thompson, anything further? MR. THOMPSON: No. MR. MCKENNA: Anything further from the public? Anything further from the Board? I'm sorry. Yes, Dr. Scanlon.

891 889 1 question about all the studies that have been that. One, the biggest reason is because of 00:12:44 2 done. Just something that came up in listening 2 earned income. Again, I'm assuming a minimum 00:12:46 00:14:57 3 to this testimony. And as a school district we level of household income to afford the prices 00:15:00 00:12:48 have been through many of our own studies, of the units in that development. And when a making assumptions, and I get everybody has development is built, typically we know what 5 5 00:12:53 00:15:06 6 their own assumptions. 00:15:08 the sale prices are, and the developer proudly 00:12:55 7 Has there ever been, Mr. Babbitt, 7 announces those. 00:12:56 00:15:11 maybe you have done this, have you ever gone Typically what happens is that 8 00:15:12 00:12:58 back to a school district or a municipality the households do not spend 28 percent of their 9 00:15:15 00:13:00 household income on housing costs. They spend 10 after a full build-out to go back and verify 00:15:19 10 00:13:03 what the revenues and expenses were? 00:15:22 11 significantly lower than that. Obviously, 11 00:13:06 THE WITNESS: I have done that there are exceptions. And in suburban areas 00:13:08 12 00:15:24 12 where there is some affluence that tends to be 00:13:10 13 for a school district because those numbers are 00:15:28 13 a little bit easier to quantify. The census the case. That might not be the case in 14 00:15:31 14 00:13:13 will provide us with the number of school-aged certain neighborhoods of Philadelphia or 15 00:15:34 15 00:13:18 children from a certain level of geography, Chester or Camden or what have you. 16 00:15:36 16 00:13:22 But in virtually everywhere in 00:15:38 17 17 such as a census tracking smaller than that, a 00:13:26 the West Chester area I believe it would be the 18 census block or block group, so I can determine 00:15:40 18 00:13:28 case, which means that whatever number I would 19 that the neighborhood over there, hypothetical 00:15:42 19 00:13:32 project for earned income would be a 00:13:35 20 neighborhood that might have been built right 00:15:47 20 conservatively low figure. 21 before the annual census represents its own 00:15:50 21 00:13:36 00:13:42 22 block group, and the say nice round numbers, 00:15:53 22 DR. SCANLON: Do you recall development in the district, in Chester County, 00:13:46 23 100 units in that development generated X 00:15:54 23 00:15:56 24 or Bucks or Montgomery or Delaware, any of the 24 number of school-aged children. 890 892 I can then determine the number four-county areas where you did that? 1 00:15:59 00:13:52 2 of public school students based on that THE WITNESS: I did a couple of 00:13:54 00:16:01 municipality's percentage of school-age them in Lower Providence Township. The 3 00:16:02 00:13:59

students attending public schools, and then 4 00:14:03 ultimately the school district expenditures 5 00:14:05 6 from the school district's budget. 00:14:07 7 It is not possible -- I shouldn't 00:14:09 say that. It is exceedingly difficult to 8 00:14:12 9 determine the municipal expenditures from a 00:14:15 10 given development because then you have to 00:14:18 start saying that a certain plow spent 13 and a 11 00:14:19 00:14:26 12 half minutes plowing that neighborhood as 00:14:27 13 opposed to other neighborhoods. Just, you get 14 to a level of finite detail that is, makes it 00:14:29

> I have done that for the school district but not for any municipality, and my experience has been a couple of things. The expenditures tend to be pretty accurate. The revenue tends to be pretty conservative in my reports, which means that the actual revenue coming out of a given development tends to be higher than what I project.

00:16:48 20 00:16:51 21 00:16:54 22 00:16:55 23 There are a couple of reasons for 00:16:58 24

neighborhood would be known as Evansberg, the 00:16:06 western end of Lower Providence. It is the 5 00:16:09 Methacton School District. There were several 6 00:16:14 00:16:15 7 developments where I studied these. Part of 8 that is because I worked in Lower Providence 00:16:19 Township both when I was at the Montgomery 00:16:22 00:16:25 10 County Planning Commission as well as 00:16:26 11 afterwards, in the early 2000s, I was the interim director of planning development in 00:16:29 12 Lower Providence Township. And so some of the 00:16:31 13 00:16:34 14 developments that I had reviewed while I was at the county in the mid nineties were built by 00:16:36 15 the time I got to be the township development 00:16:39 16 director into 2003, and so I took a look at 00:16:41 17 00:16:44 18 three or four developments. One of them that I do remember, I 00:16:46 19

think it is called Arrowhead, and it is near

the Arrowhead Elementary School, I think is

actually why they call it. I don't remember

the number of units, 70, whatever it was. And

I got numbers out of the census for that and

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unworkable.

	893		895
00:17:00	did projections not projections but	00:18:47	the township has to decide, has to look at is
00:17:03 2	estimates for the expenditures and the revenue	00:18:51 2	will it be able to increase the services for
00:17:06	for that development. There are two or three	00:18:57	each of the service departments, police, road,
08 4	others also in that township.	00:19:02 4	sewer and so forth, by 10 percent without
00:17:09 5	DR. SCANLON: Thank you.	00:19:05 5	making a very great increase in the capital
00:17:11 6	MR. MCKENNA: Anything further	00:19:10 6	expenditures.
00:17:12 7	based on Mr. Scanlon's questions?	00:19:11 7	MR. ADELMAN: I object. There is
00:17:14	MR. ADELMAN: Nothing further.	00:19:12	no question.
00:17:15	MR. MCKENNA: All right. Mr.	00:19:13	MR. MCKENNA: Mr. Pavelchek, Mr.
00:17:15 10	Babbitt, thank you very much.	00:19:16 10	Pavelchek, I appreciate that the issue you
00:17:18 11	MR. MCKENNA: Mr. Adelman,	00:19:18 11	raised is important and that we consider it,
00:17:20 12	anything further from the applicant this	00:19:19 12	but I need you to ask him a question if you
00:17:21 13	evening?	00:19:21 13	have one.
00:17:21 14	MR. ADELMAN: Not this evening,	00:19:22 14	MR. PAVELCHEK: I did ask a
00:17:23 15	no.	00:19:24 15	question.
00:17:23 16	MR. MCKENNA: Since it is almost	00:19:24 16	MR. MCKENNA: I thank you.
00:17:24 17	quarter to 8:00, why don't we break a little	00:19:25 17	Anything further?
00:17:26 18	early this evening. We will come back real	00:19:26 18	MR. PAVELCHEK: No.
00:17:29 19	close to 8:00 o'clock and we will start with	00:19:27 19	MR. MCKENNA: Okay. Now we will
00:17:30 20	the Planning Commission at that point. Thank	00:19:28 20	go off the record and we will take a break.
00:17:32 21	you.	00:19:30 21	Thank you.
00:17:35 22	MR. PAVELCHEK: May I? May I ask	00:19:32 22	(Witness excused.)
00:17:40 23	a question?	00:19:32 23	(Recess taken.)
41 24	MR. MCKENNA: For whom?	00:36:18 24	MR. MCKENNA: We will go back on
î	894		896
00:17:42	894 MR. PAVELCHEK: I would like to	00:36:20 1	the record. Ms. Camp, if you wouldn't mind
00:17:42 1 00:17:43 2		00:36:20 1 00:36:21 2	T .
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	897	l .	899
00:36:57	Q. How long have you served in your	00:38:41 1	202 and 926. And what happens when there is a
00:36:59	position with the West Chester fire company?	00:38:45	.
00:37:00	A. I have been a volunteer fire fighter	00:38:49	
b2 4	since 1981.	00:38:52	god, out. tracks ac nee got elect election.
00:37:03 5	Q. And would the West Chester Fire Company	00:38:55	
00:37:06	be the company that would respond to calls for	00:38:57	
00:37:08 7	service if the Toll development of the Crebilly	00:38:59 7	
00:37:11	Farm was approved and built?	00:39:02	
00:37:12	A. That's correct.	00:39:05	
00:37:13 10	Q. Have you reviewed the plans and documents submitted for the conditional use	00:39:07 10	
00:37:15 11		00:39:09 11	
00:37:18 12	application for the proposed development of the	00:39:11 12	5
	Crebilly tract by Toll Brothers?	1	_
00:37:21 14	A. I have, myself, my three assistants and	00:39:14 14	3, 33
00:37:24 15	my three captains reviewed the plans.	00:39:18 13	- '
00:37:25	Q. Did Chris Patriarca, who formerly was	00:39:20 10	·
00:37:30 17	the township planner, did he act as the representative from the fire company to review	00:39:22 17	•
00:37:31 10	the proposed plans for the Crebilly development	00:39:24 10	
00:37:33 19	and provide input to the Township Planning	00:39:28 13	
00:37:36 20	Commission?	00:39:31 20	
00:37:38 22	A. That's correct.	00:39:37 22	
00:37:39 23	Q. And you were personally involved in the	00:39:41 23	
41 24	review of those plans, correct?	00:39:43 24	-
	- Control of thirds plants, contract		
	898		900
00:37:42	898 A. That's correct.	00:39:44 1	900 Q. Okay. And the last bullet point in the
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00:37:43 2 00:37:45 3	A. That's correct.Q. Are you familiar with the e-mail that was sent from Daniel Matthews, Jr., dated	00:39:47 2	Q. Okay. And the last bullet point in the e-mail is that you suggest that the emergency access road onto South New Street must be designed to accommodate the largest apparatus
00:37:43 2 00:37:45 3 00:37:48 4	A. That's correct. Q. Are you familiar with the e-mail that was sent from Daniel Matthews, Jr., dated February 13th, 2017, to Chris Patriarca, which	00:39:47 2 00:39:50 3 00:39:53 4	Q. Okay. And the last bullet point in the e-mail is that you suggest that the emergency access road onto South New Street must be designed to accommodate the largest apparatus that the fire company operates. What is the
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00:37:43	A. That's correct. Q. Are you familiar with the e-mail that was sent from Daniel Matthews, Jr., dated February 13th, 2017, to Chris Patriarca, which was marked Board Exhibit 20? A. Yes, I am. Q. And who is Daniel Matthews, Jr.? A. Daniel Matthews, Jr. is my administrative assistant in the West Chester Fire Department. Q. Did you instruct him to write the e-mail to Mr. Patriarca? A. Yes, I did. Q. Let's go over that e-mail. Again, it is marked Board Exhibit 20. The first issue that you address in this e-mail deals with congestion on Route 202 southbound in the area of Route 926, and you suggest that Toll should implement or assist with implementation of earlier traffic light preemption. Can you explain to the Board what it is that the fire	00:39:47 2 00:39:50 3 00:39:53 4 00:39:55 5 00:39:57 6 00:40:02 8 00:40:02 12 00:40:23 13 00:40:25 14 00:40:25 14 00:40:26 15 00:40:31 17 00:40:31 17 00:40:35 18 00:40:36 19 00:40:46 20 00:40:41 21	Q. Okay. And the last bullet point in the e-mail is that you suggest that the emergency access road onto South New Street must be designed to accommodate the largest apparatus that the fire company operates. What is the largest apparatus for the fire company? A. The largest piece we have is our aerial, our ladder truck, and the truck that we have is comparable to any assist company that would come also. So if we made this access road to accommodate this piece of apparatus, if we needed other vehicles to come or whatever, we would have no problem size-wise. Q. Your e-mail or the e-mail identifies what the dimensions are. Can you just go over that, please? A. Yes. The overall length is 44 foot 7. The wheel base is 245 inches. And it has a 12-foot height. The one thing it doesn't have here, it is a wide-body truck, so it is 110 inches wide. And when we deploy our outriggers

	901		903
00:40:53 1	emergency access road be designed to be able to	00:42:53	
00:40:56 2	accommodate safe entrance and egress for that		
	large vehicle?	00:42:54	,
	_		· · · · · · · · · · · · · · · · · · ·
ī .	A. I would say at the minimum to	00:43:00	
	accommodate the 14-foot outrigger spread, maybe	00:43:01	,
00:41:06 6	a little more on each side so you are not	00:43:02	
00:41:09	breaking whatever the road is made with when	00:43:04	response to the Chief's comments in the e-mail.
00:41:12	you put the outriggers down.	00:43:07	
00:41:14 9	Q. Does the fire company have a suggestion	00:43:10	
00:41:15 10	for the materials that should be used to	00:43:13	y
00:41:17 11	construct the emergency access road?	00:43:15 11	
00:41:20 12	A. We would suggest it would be made out	00:43:17 12	
00:41:23 13	of materials, our vehicles, we have 60-,	00:43:19 13	
00:41:28 14	70,000-pound trucks, and we would expect	00:43:20 14	,,
00:41:31 15	asphalt just like a normal highway, normal	00:43:22 15	p
00:41:34 16	base. That's what we would like to see.	00:43:25	
00:41:36 17	Q. And if Toll Brothers proposed that that	00:43:28 17	
00:41:39 18	emergency access road would be conveyed and	00:43:32 18	,
00:41:42 19	owned by the homeowners association, would	00:43:35	
00:41:45 20	there have to be, would the fire company	00:43:38 20	
00:41:47 21	recommend that there be appropriate	00:43:41 21	3
00:41:52 22	restrictions or provisions in the homeowners'	00:43:46 22	Parameter Parameter
00:41:55 23	declaration that mandate that HOA continually	00:43:48 23	·
57 24	maintain the access road in a police state?	00:43:49 24	
00:42:02	902 A. That's correct. We would mandate that	00:43:50 1	904 1 with," that doesn't mean that the applicant is
00:42:04 2	they would have to do snow plowing and the	00:43:54	
00:42:08	other issues too, you know, to make it an	00:43:56	
00:42:12 4	emergency access road. Not a public road.	00:43:56	
00:42:15 5	Because once we make it a public road you start	00:43:57	
00:42:19 6	parking and that kind of stuff and it will	00:43:59	
00:42:21 7	create some issues for us.	00:44:01 7	
00:42:23	Q. Do you have any other concerns on	00:44:02	·
00:42:26	behalf of the fire company with respect to the	00:44:03	the specific terms that are in the e-mail
00:42:27 10	proposed development or your review of the	00:44:04 10	without PennDOT agreeing.
00:42:29 11	plans?	00:44:05 11	MR. MCKENNA: Understood. I just
00:42:30 12	A. No.	00:44:06 12	want to make that clarification.
00:42:30 13	MS. CAMP: Thank you. Nothing	00:44:07 13	MR. ADELMAN: That's correct.
00:42:31 14	further.	00:44:08 14	And then with respect to the emergency access
00:42:32 15	MR. MCKENNA: Before I turn to	00:44:11 15	
00:42:34 16	Mr. Adelman, real quick question, Mr. McDonald,	00:44:13 16	
00:42:36 17	this is a clarification to Ms. Camp's question.	00:44:16 17	
00:42:38 18	I understand that you said with the outriggers	00:44:19 18	However, not to permit the outriggers. I
00 42:42 19	we were talking 14 feet wide for the vehicle?	00:44:22 19	
i4 20	THE WITNESS: That's correct.	00:44:24 20	where the fire would actually occur.
00:42:46 21	MR. MCKENNA: So are you	00:44:25 21	MR. MCKENNA: What is the
00:42:47 22	suggesting then a 16-foot-wide road access	00:44:26 22	proposed width of the emergency access?
00:42:50 23	road? An 18-foot? Do you have any idea of the	00:44:30 23	MR. ADELMAN: I don't recall at
00:42:53 24	number?	00:44:30 24	this point. We would obviously have to work
25 of 48 sh	eets Page 901 to	204 600	06/26/2017 04·10·29 PM

	905		907
00:44:35 1	with the fire department based on a truck	00:45:58	1 MR. MCKENNA: Mr. Jones?
00:44:37 2	turning template to make sure it is sufficient	00:45:59	2 MR. JONES: No questions.
00;44:39 3	to get in and out.	00:46:00	3 MR. MCKENNA: Mr. and Mrs.
39 4	MR. MCKENNA: Okay. Thank you,	00:46:04	4 Moscharis?
00:44:41 5	MR. ADELMAN: You are welcome.	00:46:08	5 Ms. Corcoran?
00:44:44 6	MR. MCKENNA: Ms. Labrum, any	00:46:11	6 MR. CORCORAN: No questions.
00:44:46 7	questions?	00:46:12	7 MR. MCKENNA: Mr. Daull?
00:44:46 8	MS. LABRUM: None, thank you.	00:46:15	8 MR. DAULL: No questions.
00:44:48 9	MR. MCKENNA: Mr. Thompson, any	00:46:16	9 MR. MCKENNA: Mr. Pavelchek?
00:44:49 10	questions?	00:46:18	0 MR. PAVELCHEK: No questions.
00:44:50 11	MR. THOMPSON: No questions.	00:46:19 1	1 MR. MCKENNA: Mr. or Mrs. Kramer?
00:44:51 12	MR. MCKENNA: Mr. DuFault, any	00:46:24 1	2 MS. KRAMER: No questions.
00:44:53 13	questions?	00:46:25	3 MR. MCKENNA: Mr. Skros?
00:44:54 14	MR. DUFAULT: I have one	00:46:26 1	4 MR. SKROS: No questions.
00:44:57 15	question. Have you seen a road layout of the	00:46:28 1	5 MR. MCKENNA: Eileen Carey?
00:45:01 16	plan, of the site yet?	00:46:29 1	6 MS. CAREY: No questions.
00:45:03 17	THE WITNESS: We did see the site	00:46:30 1	7 MR. MCKENNA: Mr. and Mrs.
00:45:05 18	development plans. And we are, we are	00:46:32 1	8 McFadden?
00:45:10 19	sufficient with what we see.	00:46:33 1	9 MR. MCFADDEN: No questions.
00:45:11 20	MR. DUFAULT: Which plan did you	00:46:34 2	MR. MCKENNA: Carol Weller?
00:45:12 21	see?	00:46:35 2	1 MS. WELLER: No questions.
00:45:13 22	THE WITNESS: I couldn't cite you	00:46:37	_
00:45:15 23	a specific plan, what we have seen. I do not	00:46:39 2	
18 24	have that documentation with me. But I could	00:46:43 2	
,	906		908
00:45:20 1	provide that for you.	00:46:45	1 I left you off, let me know if you came in
00:45:21 2	MS. CAMP: He would have received	00:46:47	2 late.
00:45:22 3	the Plan A that was attached to the conditional	00:46:48	3 Hearing none, does the Board have
00:45:25 4	use application.	00:46:49	4 any questions for this witness?
00:45:26 5	MR. DUFAULT: That was the one	00:46:52	5 MR. HAWS: Sure, yeah, I have a
00:45:26 6	that was presented to the Planning Commission?	00:46:55	6 couple questions. So, Chief, I have just a
00:45:28 7	MS. CAMP: That was what was	00:47:01	7 couple quick questions. I know as part of the
00:45:29	attached to the, yes, that was what was	00:47:03	8 application you said you did review the site
00:45:31	presented to the Planning Commission, correct.	00:47:05	9 layout and plan. Did you guys do any sort of
00:45:33 10	MR. DUFAULT: Thank you.	00:47:08 1	0 scenario planning on average times that it
00:45:39 11	MR. MCKENNA: Mr. Bevilacqua, for	00:47:11 1	1 would take you to respond to any portion of the
00:45:41 12	far West Glen HOA?	00:47:16	2 neighborhood?
00:45:44 13	MR. BEVILACQUA: No questions.	00:47:17	3 THE WITNESS: We did do some
00:45:45 14	MR. MCKENNA: Dr. Scanlon, for	00:47:18 1	4 surveys on some, we kind of took the township
00:45:46 15	the School District?	00:47:23 1	5 as a whole, because basically the West Chester
00:45:47 16	DR. SCANLON: No questions.	00:47:26	6 Fire Department serves half your township and
00:45:48 17	MR. MCKENNA: Mr. Feryo, for the	00:47:28 1	7 the Goshen Fire Company serves the other half,
00:45:49 18	swimming association?	00:47:30 1	8 so we took some different developments, we did
· · · · · · · · · · · · · · · · · · ·	MR. FERYO: No questions.	00:47:33 1	9 some different scenarios, and we came to the
51 20	MR. MCKENNA: Mr. and Mrs.	00:47:36 2	0 conclusion that it will not impact our
00:45:53 21	Harkins?	00:47:38 2	1 operations.
00:45:54 22	MC HARKING. No susabiana	00:47:39 2	MR. HAWS: Okay. Great. Just
	MS. HARKINS: No questions.	00:47:39	MR. HAVS. Oray. Great. Just
00:45:55 23	MR. MCKENNA: Mr. Mammucari?	00:47:39 2	

	909		911
00:47:48 1	get into the neighborhood access off of 202,	00:50:04 1	But basically coming southbound on Route 202.
00:47:53 2	one access off of Street Road, which is 926,	00:50:08 2	And so the easiest access to this would be 202
00:47:58 3	and then there is two access points off of West	00:50:13	if we had that larger access available,
J4 4	Pleasant Grove Road.	00:50:19 4	correct?
00:48:04 5	From your experience being a fire	00:50:20 5	THE WITNESS: That's correct.
00:48:06 6	fighter, do you think that having more than	00:50:22 6	MS. DEWOLF: It would be more
00:48:09 7	just an emergency access onto New Street would	00:50:24 7	difficult to make the turn on West Pleasant
00:48:13	be more beneficial?	00:50:30	Grove Road. Have you looked at that width of
00:48:15	THE WITNESS: I would, in my	00:50:31	that road and the trees and how everything that
00:48:19 10	experience, we have found that in some of the	00:50:38 10	are the barriers, so to speak, in that area?
00:48:23 11	neighborhoods, such as this neighborhood, you	00:50:41 11	Have you looked at that?
00:48:29 12	see a lot of parking and some other issues that	00:50:42 12	THE WITNESS: Yes. That whole
00:48:34 13	impact that roadway.	00:50:44 13	road is kind of tough to navigate. But some of
00:48:40 14	We suggest we actually do a	00:50:47 14	our smaller apparatus has a problem navigating
00:48:44 15	scenario base thing, if there is a fire in the	00:50:51 15	that road.
00:48:47 16	center of this complex, you figure most of your	00:50:52 16	MS. DEWOLF: All right. And so
00:48:51 17	apparatus or all your apparatus is coming from	00:50:53 17	coming from Matlack and Fame, which living
00:48:53 18	the West Chester area, so our access points	00:50:57 18	right up the street, I see them coming all the
00:48:57 19	will be on basically the north side. We are	00:51:01 19	time, they would probably go to 202, I'm
00:48:58 20	not proposing to 926 to come back through.	00:51:06 20	hearing you say. They probably wouldn't like
00:49:02 21	Once we get our hose lines in the	00:51:09 21	to go through the 926 intersection to go around
00:49:04 22	street, once we start blocking the roads, one	00:51:13 22	to this?
00:49:07 23	of our biggest factors for having the emergency	00:51:14 23	THE WITNESS: No. With the
10 24	access road is so that when the EMS is there,	00:51:14 24	traffic issues, and we don't want to drive by a
1	910		912
00:49:14	if they have to get out to get to the hospital	00:51:17	scene and come back into the scene, you know.
00:49:16 2	or we have to bring additional resources in, we	00:51:21 2	MS. DEWOLF: Right. Okay. That
00:49:18 3	have a designated area we can bring them in.	00:51:22 3	makes sense to me. THE WITNESS: And also, with the
00:49:21 4	MR. HAWS: Okay. Thank you. No	00:51:23 4	Goodwill Fire Company, they are coming from
00:49:28 6	further questions. MS. DEWOLF: So we are served	00:51:24 5	just about the center of town, so they would
7	also by Fame, correct?	_	follow that same route.
00:49:30 /	THE WITNESS: You are covered by	00:51:28 /	MS. DEWOLF: Right. Okay. Thank
	the West Chester Fire Department, which	00:51:30	you.
00:49:33 9	includes the First West Chester Fire Company,	00:51:33 10	THE CHAIRMAN: Does it make a
00:49:37 11	the Goodwill Fire Company and the Fame Fire	00:51:38 11	difference if the project is an HOA?
00:49:40 12	Company. The Fame Fire Company will handle	00:51:44 12	THE WITNESS: No, not to us.
00:49:42 13	most, will handle most of the nuisance calls in	00:51:46 13	THE CHAIRMAN: Okay.
00:49:45 14	that area because they are the closest.	00:51:47 14	MR. MCKENNA: Ms. Camp, any
00:49:47 15	MS. DEWOLF: Right. Fame	00:51:49 15	redirect?
00:49:48 16	actually comes right down Matlack to 202,	00:51:50 16	MS. CAMP: Nothing further.
00:49:52 17	correct?	00:51:52 17	MR. MCKENNA: Mr. Adelman,
00:49:53 18	THE WITNESS: That's correct.	00:51:53 18	anything further?
00:49:54 19	MS. DEWOLF: That's the fastest	00:51:53 19	MR. ADELMAN: Nothing further for
is 20	way to access here?	00:51:55 20	the Chief. Thank you.
00:49:56 21	THE WITNESS: Or we will come	00:51:56 21	MR. MCKENNA: Anything else from
00:49:58 22	down High Street instead and avoid the	00:51:57 22	any of the parties?
00:50:00 23	intersection at 202.	00:51:58 23	All right. Thank you, Chief.
00:50:02 24	MS. DEWOLF: Yes, yes, yes, yes.	00:52:00 24	THE WITNESS: Thank you.
			06/26/2017 04:10:20 PM

	913		915
00:52:01 1	MS. CAMP: Thank you, Chief.	00:53:45	which was dated December 9th, 2016, which was
00:52:05 2	MR. ADELMAN: Thanks, Chief.	00:53:48 2	marked as Board Exhibit 13?
00:52:06 3	THE WITNESS: Thank you.	00:53:51 3	A. Yes.
o7 4	(Witness excused.)	00:53:52 4	Q. Did you receive a copy of the response
00:52:07 5	MR. ADELMAN: Next I call Kevin	00:53:54 5	letter from ESE Consultants, which was dated
00:52:09	Matson. My exhibits are going to be a little	00:53:57 6	January 31, 2017, and the plans and the
00:52:14 7	bit out of order, but we will get to all of	00:54:01 7	materials that were submitted with such letter,
00:52:16	them.	00:54:03	which was marked applicant's Exhibit A-11?
9	KEVIN M. MATSON,	00:54:06	A. Yes.
10	the witness herein, having first been	00:54:07 10	Q. And did you write a follow-up letter,
11	duly sworn on oath, was examined and	00:54:09 11	dated March 23rd, 2017, after reviewing the
00:52:30 12	testified as follows:	00:54:13 12	supplemental materials filed by ESE
00:52:30 13	DIRECT EXAMINATION	00:54:17 13	Consultants?
00:52:30	BY MS. CAMP:	00:54:17 14	A. Yes.
	Q. Please state your name.	00:54:17 15	Q. And have I marked that as Planning
00:52:32 15	_	00:54:17 15	Commission Exhibit 8?
00:52:34 16	A. My name is Kevin Matson. MR. ADELMAN: You have to hit the		A. Yes.
17 10:52:39		00:54:21 17	Q. Which is your correspondence of March
10:52:40	white button.	00:54:22 18	·
00:52:40 19	A. My name is Kevin Matson, M-A-T-S-O-N.	00:54:23 19	23rd, 2017, addressed to Chris Patriarca, the
00:52:44 20	Q. With whom are you employed?	00:54:28 20	township planning and zoning administrator?
0:52:45 21	A. McCormick Taylor Engineers.	00:54:30 21	A. That is correct, yes.
00:52:48 22	Q. Does McCormick Taylor serve as the	00:54:31 22	Q. So I'm not going to go through each of
00:52:51 23	township's civil engineer?	00:54:33 23	those comments, but, instead, I want to
52 24	A. Yes, we are the appointed township	00:54:34 24	highlight a few of the points that you raise.
	914		
			916
	engineer, that's correct.	00:54:37 1	So, again, we are referring to Planning
0:52:55	engineer, that's correct. Q. I have pre-marked, I'll give you a	00:54:38 2	So, again, we are referring to Planning Commission Exhibit 8. In comment No. 5 you
00:52:55 2	engineer, that's correct. Q. I have pre-marked, I'll give you a copy. Sorry, I should have left them up there.	00:54:38 2 00:54:43 3	So, again, we are referring to Planning Commission Exhibit 8. In comment No. 5 you talk about the number of parking spaces that
0:52:55 2 0:53:05 3 0:53:18 4	engineer, that's correct. Q. I have pre-marked, I'll give you a copy. Sorry, I should have left them up there. Planning Commission Exhibit 7, is that a	00:54:38 2 00:54:43 3 00:54:45 4	So, again, we are referring to Planning Commission Exhibit 8. In comment No. 5 you talk about the number of parking spaces that are required for the multi-family dwellings.
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920 layouts. Can you explain what you mean by that

A. Certainly. As the ordinance is written, there are no requirements for side yard, rear yard, front yard, bulk requirements such as impervious or building coverage.

The applicant has offered or has drafted some sketch -- I shouldn't say sketch -- part of the application provisions for these setbacks.

So in my opinion it would be a very intelligent condition of approval to require that those setbacks be fixed.

My concern there is that accessory uses could potentially come into the site in the form of sheds, pools, any other amenities, and really have free reign on these lots.

Q. The next comment, comment 45, you suggest that the applicant should consider offering percentage caps for the impervious coverage on each of the individual lots. Again, can you please explain your comment and what you are trying to achieve with that

the tract to avoid the dead-end of the cul-de-sac. Again, in my opinion, it makes it easier to maintain for our road crews and I think it makes for more fluid site.

Q. What about for emergency access vehicles, is there an issue with cul-de-sacs?

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A. In my opinion, historically, the township has preferred, we will call them loop roads versus cul-de-sacs. They are just, in my opinion they are just better for planning.

Q. And again, going back to your letter that was December 9th, which was marked Board Exhibit 13, that comment 31 was from that letter. So the next one is comment 33, and again going back to Board Exhibit 13, which was your original review letter. You suggest in that letter that the applicant should

coordinate with the township engineer during

land development to select vegetation and

Page 917 to 920 of 995 29 of 48 sheets

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01:00:13	recommendation?	01:02:10	1	Commission Exhibit 9?
01:00:14 2	A. Yes. There is two primary reasons for	01:02:10	2	A. Yes.
01:00:17 3	this comment, one of which has to do with	01:02:11	3	Q. So referring to that exhibit, you
19 4	aesthetics, to make sure that the site doesn't	01:02:14	4	suggest that the applicant utilize green
01:00:21 5	become overly developed as buildings and	01:02:17	5	stormwater management technology as applicable.
01:00:27 6	impervious asphalt paving.	01:02:19	6	What examples would you like to see the
01:00:30 7	The second one has to do with	01:02:21	7	applicant utilize when designing stormwater
01:00:31	controlling the overall stormwater from the	01:02:23	8	management facilities?
01:00:33	site, make sure there is not an excessive	01:02:24	9	A. The applicant has provided a, I'll call
01:00:37 10	amount of stormwater that flows from the site.	01:02:28	10	it a placeholder stormwater management plan of
01:00:39 11	When I reread the stormwater	01:02:31	11	nine basins. I believe they are a combination
01:00:42 12	management report, there was a cap of 40	01:02:34	12	of infiltration basins, detention basins.
01:00:45 13	percent that was the current percent as a	01:02:36	13	What the applicant has not
01:00:49 14	result of the proposed buildings, the	01:02:38	14	provided are more detailed infiltration, such
01:00:51 15	sidewalks, the driveway, and I would offer that	01:02:44	15	as infiltration trenches or more commonly used
01:00:54 16	that 40 percent for the impervious calculation	01:02:48	16	best management practices. So back in 2006 the
01:00:57 17	is a good place to start.	01:02:51	17	DEP authored the Best Management Practice
01:00:59 18	Understanding that there might be	01:02:55	18	Manual. Even since then the DEP has come out
01:01:02 19	a desire of future homeowners to add an	01:02:59	19	with some additional measures that are
01:01:04 20	extension in the form of a patio, what have	01:03:00	20	incorporated into the MS4 requirements.
01:01:07 21	you, I would offer that perhaps 45 percent	01:03:02	21	So stormwater has developed over
01:01:09 22	might be a fair number.	01:03:05	22	the years, and I think that this site would
01:01:10 23	Q. And how would that be done? Would that	01:03:09	23	score a victory every single time a drop of
12 24	be done as a restriction in the homeowners'	01:03:13	24	water got back into the ground versus making it
1	922			924
01:01:15	declaration?	01:03:15	1	overland flow into the streets and then into
01:01:17 2	A. Yes, I think a restriction in the	01:03:20	2	the sewer. So any specific recommendations
01:01:18 3	homeowners' association. But more importantly,	01:03:21	3	from DEP to get water back into the ground.
01:01:21 4	a condition of the conditional approval that	01:03:24	4	Q. Would that also achieve some of the
01:01:25 5	would be memorialized or recorded through the	01:03:27	5	goals of the township's stormwater ordinance?
01:01:28 6	approval process.	01:03:29	6	A. Yes.
01:01:29 7	Q. Does it become administratively	01:03:30	7	Q. Any particular sections that you can
01:01:31 8	difficult for the township to determine if the	01:03:33	8	reference?
01:01:33	applicant stays within the maximum allowable	01:03:33		A. Yes. Under 144, 304 and 305, under
01:01:37 10	impervious cover if it doesn't have a per lot	01:03:38		quality and quantity, and I want to communicate
01:01:40 11	restriction?	01:03:42		that the applicant should show compliance in
01:01:41 12	A. Yes. Since it is not enforceable,	01:03:45		these sections, but, in my opinion, they can be
01:01:43 13	there is no mechanism or vehicle to compel the	01:03:47		more thoughtfully addressed at the land
01:01:47 14	individual homeowners to comply.	01:03:49		development stage in more detail, to show a
01:01:52 15	Q. But if it was a note on the plan then,	01:03:52 01:03:58		more green plan, more environmentally friendly plan.
01:01:54 16	obviously, that would be much easier to enforce?	01:03:58		Q. And lastly, you also suggest in your
01:01:55 17	A. Yes.	01:03:59		memorandum of January 30th that the applicant
	_	01:04:02		agree to grant to the township easements for
01:01:56 19	Q. Did you also write a memorandum to Chris Patriarca, dated January 30th, 2017,	01:04:06		the township to perform future basin upgrades
01:02:04 21	where you provide just general suggestions and	01:04:08		which would assist the township in its MS4
01:02:04 21	recommendations?	01:04:12		permit requirements. Can you briefly explain
01:02:08 23	A. Yes.	01:04:17		what you mean by that?
01:02:08 24	Q. And has that been marked as Planning	01:04:18		A. Yes, this is very critical. Again,
01,02.00	At 7010 1100 Clac Decil Harked do Flamming	1		

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	925		927
01:04:20 1	since the DEP has mandated not just the basic	01:06:13	Q. Does the ordinance state townhomes or
01:04:24 2	MS4 permits but also the pollutant reduction	01:06:16 2	does it state multi-family is required to be
01:04:28	plan requirements on the township, it is going	01:06:20 3	provided in the rear of the unit?
30 4	to be essential that the township be able to	01:06:23 4	A. My understanding is that that section
01:04:33 5	coordinate with large property owners, since	01:06:25 5	of code in the definition, which is Section 200
01:04:35	the town doesn't have a considerable amount of	01:06:28 6	hundred of the code
01:04:38 7	land in this area.	01:06:29 7	Q. Mm-hmm.
01:04:39	So the ability to have access	01:06:29	A talks about three specific types of
01:04:41 9	rights, to be able to install specific types of	01:06:32	multi-family uses, apartments, townhouses,
01:04:44 10	vegetation or potential upgrades would be a	01:06:36 10	something called quadplex, quad, so it is under
01:04:48 11	huge victory for the township.	01:06:41 11	the umbrella of those types of uses.
01:04:50 12	Q. And could that actually be a benefit	01:06:43 12	Q. Doesn't a townhome only house a single
01:04:52 13	for the homeowners' association?	01:06:48 13	family?
01:04:53 14	A. In my opinion, yes.	01:06:48 14	A. That's correct. It was a mis-reference
01:04:55 15	Q. Have you seen that be required or be	01:06:53 15	in the ordinance.
01:05:01 16	implemented in other municipal ordinances or	01:06:53 16	Q. How can be it be defined as a
01:05:04 17	development approvals?	01:06:55 17	multi-family if there is only one family in the
01:05:05 18	A. Conversations about these types of	01:06:57 18	unit?
01:05:07 19	partnerships has taken place. In many cases	01:06:57 19	A. It is my understanding that's the way
01:05:10 20	you need the cooperation and almost	01:06:59 20	the ordinance was written under Section 200.
01:05:12 21	volunteerism of the applicant to make it	01:07:01 21	Q. Okay. In order to access the parking
01:05:14 22	happen, since there is no legal mechanism to	01:07:03 22	in the rear of the townhouse, where would the
01:05:17 23	compel someone to do this sort of effort.	01:07:07 23	roadway need to be located?
20 24	So it is something that is going	01:07:09 24	A. That would be up to your designer.
1	926		928
01:05:22	to become more and more commonplace. But, in	01:07:12 1	Q. Would it have to be in the rear of the
01:05:22 1 01:05:23 2	to become more and more commonplace. But, in my opinion, if it can be done here, it would be	01:07:12 1 01:07:14 2	Q. Would it have to be in the rear of the townhouses?
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01:05:23	to become more and more commonplace. But, in my opinion, if it can be done here, it would be a wonderful benefit for the community. Q. Would it cost the applicant any money to offer these easements? A. I don't think in cash, not in my opinion. Q. Okay. A. Perhaps in somebody else's opinion. MS. CAMP: Thank you. Nothing further. MR. MCKENNA: Mr. Adelman, cross. MR. ADELMAN: Yes, thank you. CROSS-EXAMINATION BY MR. ADELMAN: Q. Good evening, Kevin. How are you? A. Perfect. Q. If we could go back to where Ms. Camp started with, it was comment No. 5 in the March 23rd, 2017 letter, you reference a requirement that the parking for the townhomes be located	01:07:14 2 01:07:16 3 01:07:19 4 01:07:21 5 01:07:24 6 01:07:32 7 01:07:32 8 01:07:35 9 01:07:36 10 01:07:40 12 01:07:40 12 01:07:45 14 01:07:48 15 01:07:51 16 01:07:51 16 01:07:57 18 01:08:00 19 01:08:03 21	Q. Would it have to be in the rear of the townhouses? A. Again, in order to meet the letter of the law it would be, yes, yes. Q. All right. So in that case, would the townhouse rear be the front? That's a question. A. What is the front, what is the front of the building? Where is the front yard setback? Q. Under the ordinance, where is the front yard defined? A. It would be the building facade that faces the cartway. Q. Correct. If the cartway is in the rear of the house, would the rear of the house be the front? A. Not if the not for an access road. If it were an alley or driveway or access road to access the rear, it wouldn't be a full public right-of-way. Q. Would there be two front yards if the

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	929		931
01:08:10 1	it had an access drive or a private lane or an	01:10:12 1	A. That's absolutely correct, yes.
01:08:13 2	alley, or a shared driveway, it wouldn't be a	01:10:13 2	Q. Sure, fair enough.
01:08:16 3	considered a road.	01:10:14 3	Moving on to comment No. 31 in
17 4	Q. Does the ordinance permit parking for a	01:10:18 4	the December 9, 2016 letter, again, is that a
01:08:19 5	townhome or a multi-family, off of an alley or	01:10:24 5	planning comment regarding reducing the number
01:08:24 6	rear service access?	01:10:26 6	of cul-de-sacs as opposed to an ordinance
01:08:24 7	A. I think it is, in my interpretation of	01:10:28 7	zoning requirement?
01:08:28	the ordinance, it is desirous of the ordinance	01:10:29	A. Cul-de-sacs are permitted by the
01:08:31	to have the parking in the rear.	01:10:32	ordinance. There is no prohibition against
01:08:33 10	Q. I understand. That wasn't my question,	01:10:34 10	cul-de-sacs. Therefore, in my opinion, this
01:08:35	though. Does the ordinance permit parking for	01:10:36 11	site would be best served, similar to the
01:08:37 12	a multi-family unit as the ordinance defines	01:10:38 12	Rustin residential site which is right over
01:08:40 13	this when it takes access off of a rear alley?	01:10:40 13	here, when that application came in with two
01:08:46 14	Or do you know?	01:10:43 14	cul-de-sacs for conditional use, through the
01:08:46	A. I'm a little confused with the	01:10:46 15	good wisdom and planning of the planners at the
01:08:47	question.	01:10:48 16	time and the Board of Supervisors, it was
01:08:49 17	Q. Are there any prohibitions under the	01:10:48 10	changed to a show a loop in lieu of a
01:08:49 17		01:10:51 17	cul-de-sac.
01:08:52 10	ordinance that prevents a multi-family dwelling	01:10:57 10	Q. But, again, that's not a zoning
01:08:55	unit from having parking in the rear when	01:10:57	requirement? That's just smart planning?
l	accessed from an alley or a service street?	01:10:59 20	A. That is not a zoning requirement.
01:09:01 21	A. Not to my knowledge, no.	01:11:01 21	That's smart planning.
01:09:03 22	Q. Okay. If we can move on to comment 26,	01:11:03 22	
01:09:09 23	with respect to the need to provide overflow	01:11:05 23	Q. Moving on to comment No. 33, dealing with the MS4, township's MS4 program, again, is
12 24	parking, that's still on the same letter, March	01:11:08 🛂	932
	930	01:11:16 1	that a requirement for the applicant to satisfy
01:09:16	23rd. Is that a requirement under the	01:11:16 1	MS4?
01:09:18 2	ordinance to provide overflow parking? You	01:11:20 3	A. No. It is not the applicant's permit.
01:09:23	stated it was just good planning.		It is the township permit.
01:09:25 4	A. No, it is not a requirement. It is	01:11:22 4	Q. Okay.
01:09:27 5	not.		A. It is, in my opinion, it is very good
01:09:28 6	Q. Okay.	_	planning and it would be a great benefit for
01:09:30 7	A. However, if I may add		the township to have the support of the
01:09:32	Q. Sure, go ahead.		applicant to meet its MS4 goals as it affects
01:09:33	A in my opinion, with a townhouse	01:11:32 9	all the residents of Westtown.
01:09:35 10	development, and I have lived in townhouses, my	01:11:36 10	Q. Would the applicant be required to
01:09:39 11	family have lived in townhouses, without some	01:11:38 11	
01:09:41 12	provision for overspill parking for events,	01:11:40 12	obtain an NPDES stormwater permit as part of its development?
01:09:43 13	graduation parties, etcetera, it is very	01:11:44 13	•
01:09:45 14	shortsighted to simply insist that since there	01:11:44 14	A. To my understanding, yes.Q. And would that NPDES permitting process
01:09:48 15	are four, the provision for four parking spaces	01:11:45 15	
01:09:51 16	on each lot that that is adequate parking.	01:11:49 10	include the incorporation of best management
01:09:53 17	That would primarily provide for,	01:11:52 17	practices? A. Yes.
01:09:56 18	in my opinion, the users of the future dwelling		
19	and not make any provision for guests or any	01:11:53 19	Q. And could some of those best management
01 20	other events. I think it is very shortsighted	01:11:55 20	practices help satisfy the township in their
01:10:04 21	again, my opinion, to not provide some	01:11:59 21	MS4 program requirement?
01:10:07 22	additional measures.	01:12:00 22	A. Yes.
01:10:08 23	Q. But that's your practical opinion, not	01:12:00 23	Q. And who would review and approve the
01:10:10 24	your zoning compliance opinion, correct?	01:12:04 24 0 932 of 995	NPDES permit? 32 of 48 sheets
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A. Primarily, the permit is approved by the Chester County Conservation District in coordination with DEP.

Q. Moving back to the March 23rd, 2017 letter, comment No. 44, I did hear you clearly state that individual lot area and bulk regulations is not a zoning requirement, correct?

A. No, that's not what I said.

Q. I'm sorry. Please tell me, what is your requirement to impose individual lot area and bulk restrictions?

A. They are not a requirement in the flexible development procedure. They are a requirement in the base. It is R-1 zoning District and the A/C Agricultural. But in flexible development there are no provisions.

01:12:51 18 Q. And we are under flexible development,

19 correct? 01:12:53

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A. That's correct, yes.

01:12:53 21 Q. Would that be something that the 01:12:56 22 applicant could work out during land

01:12:59 23 development, when the plans are more fully

24 engineered? 01

1 land development? Wouldn't the township still 2 have the ability to require what you are 01:14:17 01:14:18 3 suggesting at that point?

4 A. Yes. I don't really have a great answer for that. You can almost ask, what is 5 the difference between a conditional use and 7 land development. It is a statutory thing. I don't really have a strong opinion. My sense 8 would be the sooner you can get the decision 01:14:33 10 tree, early.

> Q. Okay. And does that then again go to comment 45 in the March 23rd, 2017 letter, is the percentage cap overall also a function of area and bulk regulations and impervious coverage throughout the site?

A. Yes.

01:14:50 17 Q. So they are related?

01:14:52 18 Yes.

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Q. Okay. Turning to the January 30, 2017 memorandum, I think you had touched on green stormwater management. Is that the same as what we just previously discussed with the best

01:15:14 23 management practices?

01:15:15 24 A. Yes.

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A. I think it would be -- I think it would be very smart to do it now. The reason I say that is because my fear would be at land development, I think the horse might be out of the barn, so to speak. I think it would be prudent to have those caps or have those minimums set at the conditional use level.

Q. What if the proposed houses have not been selected at this time? How do you set a cap?

A. It is an excellent question. The only thing I can do is look at the application, which shows estate houses, executive houses, carriage houses, and look at your engineer's stormwater management report, which did show very detailed descriptions of the walkways, patios, driveways and houses, and make provisions for what the percentages impervious would be for the individual lots.

Q. And why would that be any different to be done at the fully engineered stage as opposed to the conceptual, conditional use stage? Why, what is the difference between

imposing a condition that it be determined at

Q. And during the full engineering and permitting process would those, what I call BMPs be more fully engineered and designed? 936

A. In my opinion, this is something that is really a land development issue. So I wouldn't have any objection to punting it, so to speak, to land development. It is a detail engineering issue that really should be addressed at some point. But consideration of provisions should be made for it now.

Q. And isn't it true the applicant will have to incorporate these BMPs as part of its stormwater permitting process?

A. Not necessarily, no.

01:15:50 15 Q. Why?

> A. The reason is because in some cases, similar to what happened at the Rustin site just out here, the applicant had three giant basins, but did not have, did not have provisions for additional measures, things like infiltration trenches, additional on-lot infiltration measures, rain gardens. There weren't a considerable amount of low-level commitments from the developer through what was

	937		_	939
01:16;20 1	also then a flexible development conditional	01:18:36	1	township?
01:16:24 2	use.	01:18:39	2	A. Truthfully, I don't think, as I'm not a
01:16:24 3	Q. When the applicant submits its NPDES or	01:18:43	3	policy maker. So it is a good question. I
27 4	stormwater design, isn't there a checklist with	01:18:45	4	just don't know the answer.
01:16:30 5	respect to the BMPs that are or aren't	01:18:46	5	Q. So in order to effectuate the easements
01:16:33 6	incorporated?	01:18:49	6	you recommend, you are saying that there is
01:16:33 7	A. Yes.	01:18:51	7	decisions that would need to be made beyond the
01:16:34 8	Q. And aren't they then required to	01:18:54	8	scope of your testimony?
01:16:36	include BMPs of a certain amount in order to	01:18:55	9	A. Yes.
01:16:39 10	satisfy stormwater regulations?	01:18:55	10	Q. And those easements involve permitting
01:16:40 11	A. Yes.	01:19:00	11	rights, operations and maintenance rights,
01:16:41 12	Q. So in essence, doesn't the applicant	01:19:02	12	other legal rights that you are not qualified
01:16:43 13	have to include BMPs in its NPDES application?	01:19:04	13	to testify to?
01:16:47 14	A. Yes, that's true.	01:19:05	14	A. Yes.
01:16:48 15	Q. With respect to the questions that Ms.	01:19:07	15	MR. ADELMAN: All right. I have
01:17:01 16	Camp asked you regarding easements to the	01:19:08	16	no further questions.
01:17:03 17	stormwater basins, who is normally the	01:19:14	17	MR. MCKENNA: Ms. Labrum?
01:17:08 18	permittee of stormwater basins that are	01:19:15	18	MS. LABRUM: No questions.
01:17:11 19	constructed by the developer?	01:19:17	19	MR. MCKENNA: Mr. Thompson?
01:17:15 20	A. The permittee, I would say to answer	01:19:19	20	MR. THOMPSON: No questions.
01:17:22 21	that, I would say that the township, through	01:19:20	21	MR. MCKENNA: Mr. DuFault?
01:17:25 22	the approval process of planning, permits the	01:19:21	22	MR. DUFAULT: No questions.
01:17:29 23	construction and does primarily the review of	01:19:23	23	MR. MCKENNA: Mr. Bevilacqua?
33 24	the functionality of stormwater quality,	01:19:27	24	MR. BEVILACQUA: No questions.
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01:17:37	primarily the applicant is the permittee.	01:19:27	1	MR. MCKENNA: Dr. Scanlon?
01:17:39 2	Q. Under the NPDES permit, correct?	01:19:28	2	DR. SCANLON: No questions.
01:17:41 3	A. Yes, that's correct.	01:19:29	3	MR. MCKENNA: Mr. Feryo?
01:17:42 4	Q. And who typically owns and maintains	01:19:32	4	MR. FERYO: No questions.
01:17:44 5	stormwater basins?	01:19:33	5	MR. MCKENNA: Mr. Mammucari?
01:17:45	A. On the whole, the private developers or	01:19:36	6	MR. MAMMUCARI: No questions.
01:17:48 7	private owners.	01:19:37	7	MR. MCKENNA: Mr. Jones?
01:17:49	Q. If the township were to have an	01:19:39	8	MR. JONES: No questions.
01:17:51 9	easement to enter and upgrade the stormwater	01:19:41	9	MR. MCKENNA: Ms. Corcoran?
01:17:55 10	basins for a purpose other than servicing the	01:19:46		MS. CORCORAN: No questions.
01:17:57 11	development's requirements, wouldn't the	01:19:46		MR. MCKENNA: Mr. Daull?
01:18:00 12	township then have to be at a minimum the	01:19:50		MR. DAULL: No questions.
01:18:03 13	co-permittee?	01:19:51		MR. MCKENNA: Mr. Pavelchek?
01:18:04 14	A. I don't think so. I don't know. I	01:19:54		MR. PAVELCHEK: No questions.
01:18:07 15	don't know the answer to that question.	01:19:55		MR. MCKENNA: Mr. or Mrs. Kramer?
01:18:09 16	Q. Would the HOA then be responsible for owning and maintaining the township's upgrades?	01:19:58 01:19:59		MS. KRAMER: No questions. MR. MCKENNA: Mr. Skros?
01:18:12 17	A. Again, that's something that could be	01:19:59		MR. SKROS: No questions.
01:18:15 18	handled through the agreement process or	01:20:00		MR. MCKENNA: Ms. Carey?
9 20	through the developer's agreement.	01:20:02		MS. CAREY: No questions.
01:18:22 21	Q. If the homeowners' association or the	01:20:04		MR. MCKENNA: Mr. or Mrs.
01:18:25 22	developer were not willing to grant easements	01:20:04		McFadden?
01:18:29 23	without the township agreeing to be a	01:20:07		MR. MCFADDEN: Yes, I have a
01:18:31 24	co-permittee, would that be acceptable to the	01:20:09		question. It has been stated quite a few times

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01:20:16	1	that there will be no street parking I think in	01:22:24	1	MR. HAWS: No.
01:20:21	2	this development. And you talked about	01:22:26	2	MR. MCKENNA: Ms. Camp, any
01:20:24	3	overflow parking, and you talked about like	01:22:27	3	redirect?
27	4	parties and things like that.	01:22:28	4	MS. CAMP: Yes.
01:20:29	5	In your opinion, if there is no	01:22:31	5	REDIRECT EXAMINATION
01:20:31	6	on-street parking for visitors, where would	01:22:31	6	BY MS. CAMP:
01:20:33	7	they have to park?	01:22:31	7	Q. Does it create a safety concern for you
01:20:36	8	THE WITNESS: To my knowledge,	01:22:34	8	if there is no overflow parking?
01:20:37	9	there is no prohibition against parking on the	01:22:36	9	A. Pardon?
01:20:40	10	streets. The applicant's documentation shows	01:22:37	10	Q. Does it create, in your mind would
01:20:45	11	that all of the provisions that are required	01:22:40	11	there be a safety concern if there is no
01:20;48	12	for parking for this development occur in	01:22:41	12	overflow parking for the multi-family or for
01:20:51	13	off-street parking, so parking in garages and	01:22:44	13	the townhomes?
01:20:56	14	in the driveway. So for all of the individual	01:22:48	14	A. I would say yes.
01:20:58	15	single-family houses and for the carriage	01:22:50	15	I would like to expand on my
01:21:00	16	houses, all the parking occurs off street. It	01:22:52	16	answer for that. In those areas of the
01:21:03	17	doesn't mean that cars couldn't park in the	01:22:54	17	carriage houses there are considerable curb
01:21:05	18	cartway.	01:22:56	18	cuts, considerable curb cuts. So there aren't
01:21:08	19	MR. MCFADDEN: So I guess I'm	01:23:01	19	easy areas for residents or future visitors to
01:21:09	20	confused. I thought they said that there will	01:23:04	20	park. There is not easy access, which means
01:21:12	21	be no parking on any of the streets, you have	01:23:07	21	people would have to park relatively far away
01:21:16	22	to park in the driveway or in a garage. Is	01:23:09	22	and then walk to visit the future residents,
01:21:20	23	that correct? It has been stated I think two	01:23:14	23	which means you would have a lot of people
24	24	or three times within testimony before.	01:23:16	24	walking either in the cartway or making their
		·			
1		942			944
01:21:27	1	942 THE WITNESS: My understanding of	01:23:18	1	way over the sidewalk. Potentially, it could
01:21:27	1 2	942	01:23:18 01:23:20	1 2	way over the sidewalk. Potentially, it could be a safety issue, yes.
	1 2 3	942 THE WITNESS: My understanding of the application, I can share that with you, is that for each of the 317 new houses and two		1 2 3	way over the sidewalk. Potentially, it could be a safety issue, yes. Q. Okay. And Mr. Adelman talked a little
01:21:29	_	942 THE WITNESS: My understanding of the application, I can share that with you, is that for each of the 317 new houses and two existing houses, all of the provisions for	01:23:20	_	way over the sidewalk. Potentially, it could be a safety issue, yes. Q. Okay. And Mr. Adelman talked a little bit about maybe the legal documentation to be
01:21:29	3	THE WITNESS: My understanding of the application, I can share that with you, is that for each of the 317 new houses and two existing houses, all of the provisions for parking occur on those individual lots.	01:23:20	3	way over the sidewalk. Potentially, it could be a safety issue, yes. Q. Okay. And Mr. Adelman talked a little bit about maybe the legal documentation to be able to memorialize if the applicant were
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01:21:29 01:21:31 01:21:35 01:21:37	3 4 5	THE WITNESS: My understanding of the application, I can share that with you, is that for each of the 317 new houses and two existing houses, all of the provisions for parking occur on those individual lots. If there is additional parking, if guests come over, right now there is nothing	01:23:20 01:23:21 01:23:26 01:23:30	3 4 5	way over the sidewalk. Potentially, it could be a safety issue, yes. Q. Okay. And Mr. Adelman talked a little bit about maybe the legal documentation to be able to memorialize if the applicant were willing to grant to the township easements. Doesn't the Stormwater Management Ordinance
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	945		947
01:24:13	MR. MCKENNA: Okay. Thank you,	01:26:05	handled by a stormwater engineer?
01:24:14 2	Mr. Matson.	01:26:10 2	A. Yes. But this program does not require
01:24:17 3	MS. CAMP: Thank you.	01:26:14 3	engineers to administer the program.
18 4	(Witness excused.)	01:26:16 4	Q. So an NPDES permit application, are you
01:24:24 5	MS. CAMP: My last witness for	01:26:20 5	familiar with them?
01:24:24 6	the evening is Stephen Dadio.	01:26:21 6	A. Yes.
01:24:31 7	Kevin, can you leave the exhibits	01:26:21 7	Q. And don't they require a professional
01:24:33	up there. Thanks.	01:26:24	engineer to certify them once submitted?
9	STEPHEN D. DADIO,	01:26:27	A. Right. But they are not part of the
10	the witness herein, having first been	01:26:29 10	MS4 program.
11	duly sworn on oath, was examined and	01:26:30 11	Q. Okay. So could you give me some more
01:24:57 12	testified as follows:	01:26:32 12	detail then on what the MS4 program permit
01:24:57 13	DIRECT EXAMINATION	01:26:38 13	requirements are for the township?
14	BY MS. CAMP:	01:26:41 14	A. Well, the original six minimum control
01:24:58 15	Q. Can you please state your full name.	01:26:45 15	measures, which are public education and
01:25:00 16	A. Stephen Dadio.	01:26:49 16	participation, public involvement and
01:25:01 17	Q. And with whom are you employed?	01:26:51 17	participation, illicit site discharge or
01:25:03 18	A. Cedarville Engineering Group.	01:26:55 18	illicit discharge detection and elimination,
01:25:05 19	Q. And I have marked as Planning	01:26:59 19	construction site runoff, which in this
01:25:07 20	Commission Exhibit 4 your curriculum vitae; is	01:27:01 20	township is administered through Chester County
01:25:10 21	that correct?	01:27:05 21	Conservation District, post construction
01:25:10 22	A. Yes.	01:27:07 22	stormwater monitoring, and good housekeeping
01:25:11 23	Q. And can you briefly explain to the	01:27:11 23	municipal site operations.
113 24	Board your educational and professional	01:27:13 24	And those five, five of the six,
	946		948
01:25:16	experience?	01:27:18 1	everything except construction site runoff,
01:25:18 2	A. I have a bachelor's degree from Cornell	01:27:20 2	which is administered by the Conservation
		01.27.20	
01:25:20	University, master's degree from Penn State, 19	01:27:22 3	•
	University, master's degree from Penn State, 19 years in professional consulting.		District, we assist the township with. Additionally, there is the TMDL
01:25:20 3 01:25:24 4 01:25:26 5	years in professional consulting.	01:27:22 3	District, we assist the township with.
01:25:24 4 01:25:26 5	years in professional consulting. I have been working with the MS4	01:27:22 3 01:27:25 4	District, we assist the township with. Additionally, there is the TMDL plan, and the pollutant reduction plan, which
01:25:24 4 01:25:26 5 01:25:29 6	years in professional consulting. I have been working with the MS4 program since its inception at various	01:27:22 3 01:27:25 4 01:27:28 5	District, we assist the township with. Additionally, there is the TMDL plan, and the pollutant reduction plan, which is an exercise in mapping geographic
01:25:24 4 01:25:26 5 01:25:29 6 01:25:31 7	years in professional consulting. I have been working with the MS4 program since its inception at various companies, starting when the program started in	01:27:22	District, we assist the township with. Additionally, there is the TMDL plan, and the pollutant reduction plan, which
01:25:24 4 01:25:26 5 01:25:29 6 01:25:31 7 01:25:33 8	years in professional consulting. I have been working with the MS4 program since its inception at various companies, starting when the program started in 2003.	01:27:22 3 01:27:25 4 01:27:28 5 01:27:31 6 01:27:36 7 01:27:40 8	District, we assist the township with. Additionally, there is the TMDL plan, and the pollutant reduction plan, which is an exercise in mapping geographic information systems and nutrient reduction, sediment reduction calculations. And DEP
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01:28:35	that your recommendations cannot be engineering	01:31:11 1	MS. CAMP: That's correct.
01:28:37 2	based, your specific recommendations?	01:31:13 2	MR. ADELMAN: So I have the
01:28:43	A. Our recommendations are DEP guidance	01:31:14 3	ability to test how far that goes under the MS4
47 4	regarding the MS4 program, reduction plan	01:31:18 4	program, I believe.
01:28:49 5	guidance.	01:31:19 5	MS. CAMP: Sure.
01:28:51 6	Q. If it required engineered designs or	01:31:20 6	BY MR. ADELMAN:
01:28:54	engineered facilities, would you be qualified	01:31:20 7	Q. Switching to another topic, as a soil
01:28:57	to render that suggestion?	01:31:23	scientist, are you qualified to testify with
01:29:04	A. If there are the normal engineering	01:31:26	respect to landscaping and vegetative
01:29:11 10	design, no. But if there are opportunities or	01:31:31 10	improvements?
01:29:13 11	there are projects where the guidance by the	01:31:34 11	A. Well, the plants grow in the ground, so
01:29:16 12	Department of Environmental Protection offers	01:31:38 12	I would say yes.
01:29:19 13	to address the situation, then you are citing	01:31:38 13	Q. Have you done that in the past under
01:29:26 14	the guidance, which is what, which is what I	01:31:40 14	your soil science expertise?
01:29:31 15	did in the initial letters.	01:31:43 15	I'm sorry, go ahead.
01:29:35 16	Q. Would stormwater facilities be required	01:31:44 16	A. No. Well, specific to the letter
01:29:41 17	to comply with MS4 programs?	01:31:48 17	written regarding stream bank restoration
01:29:48 18	A. I don't follow your question.	01:31:50 18	and/or forested plantings, yeah, I have offered
01:29:50 19	Q. Could a stormwater management basin be	01:31:54 19	guidance on that.
01:29:52 20	a mechanism to satisfy MS4 requirement?	01:31:55 20	But, no, I'm not a landscape
01:29:58 21	A. It can, yes.	01:31:57 21	architect.
01:30:00 22	MS. CAMP: Mr. Adelman, I'm not	01:31:59 22	Q. Have you personally overseen as a soil
01:30:02 23	asking Mr. Dadio to talk about specific design	01:32:03 23	scientist stream restoration projects?
≥04 24	of stormwater management structures or	01:32:07 24	A. Yes.
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01:30:06 1	950 facilities that Toll may be implementing. His	01:32:08 1	952 Q. Are you a forester?
01:30:06 1 01:30:08 2		01:32:08 1 01:32:13 2	
	facilities that Toll may be implementing. His		Q. Are you a forester?
01:30:08 2	facilities that Toll may be implementing. His testimony is limited to his correspondence that	01:32:13 2	Q. Are you a forester?A. I am not a forester.
01:30:08 2 01:30:11 3	facilities that Toll may be implementing. His testimony is limited to his correspondence that he sent to the township in offering potential	01:32:13 2 01:32:14 3	Q. Are you a forester?A. I am not a forester.Q. You are not an expert in forestry
01:30:08 2 01:30:11 3 01:30:16 4	facilities that Toll may be implementing. His testimony is limited to his correspondence that he sent to the township in offering potential suggestions to the applicant to implement when	01:32:13 2 01:32:14 3 01:32:16 4	Q. Are you a forester?A. I am not a forester.Q. You are not an expert in forestry management?
01:30:08 2 01:30:11 3 01:30:16 4 01:30:18 5	facilities that Toll may be implementing. His testimony is limited to his correspondence that he sent to the township in offering potential suggestions to the applicant to implement when they are doing their own stormwater management,	01:32:13 2 01:32:14 3 01:32:16 4 01:32:22 5	 Q. Are you a forester? A. I am not a forester. Q. You are not an expert in forestry management? A. No.
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01:30:08	facilities that Toll may be implementing. His testimony is limited to his correspondence that he sent to the township in offering potential suggestions to the applicant to implement when they are doing their own stormwater management, that it may be beneficial to the township as far as their Stormwater Management Ordinance	01:32:13	 Q. Are you a forester? A. I am not a forester. Q. You are not an expert in forestry management? A. No. MR. ADELMAN: I don't have any objection to his qualifications as a soil
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01:30:08	facilities that Toll may be implementing. His testimony is limited to his correspondence that he sent to the township in offering potential suggestions to the applicant to implement when they are doing their own stormwater management, that it may be beneficial to the township as far as their Stormwater Management Ordinance permits. Mr. Dadio was an author of the TMDL pollutant reduction plan. I'm not asking him to be specific on engineering issues.	01:32:13	 Q. Are you a forester? A. I am not a forester. Q. You are not an expert in forestry management? A. No. MR. ADELMAN: I don't have any objection to his qualifications as a soil scientist. MS. CAMP: That's what he was offered as. MR. MCKENNA: Okay. He will be
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01:32:51	A. Yes.	01:34:53	1	Protection.	
01:32:51 2	Q. You went into a little bit in Mr.	01:34:53	2	Q. Were you asked by the township to	
01:32:55	Adelman's voir dire. Can you please explain	01:34:54	3	examine the proposed development plans for the	
57 4	what the permit requirements are for the MS4	01:34:57	4	Crebilly tract and to assess what, if any,	
01:33:00 5	program for the township?	01:34:59	5	measures could be implemented to comply with	
01:33:01 6	A. Yes. Under the individual NPDES permit	01:35:00	6	the township's stormwater ordinance and to	
01:33:04 7	for Westtown Township, they are responsible for	01:35:02	7	assist the township in complying with its MS4	
01:33:07	all stormwater flow and associated pollutant	01:35:06	8	requirements?	
01:33:11 9	loads that are generated within the MS4, which	01:35:07	9	A. Yes. Let me just back up to say that	
01:33:17 10	stands for municipal separate storm sewer	01:35:11	10	with the new permit, the township is required	
01:33:22 11	system, and that are discharged to downstream	01:35:13	11	by the Department of Environmental Protection	
01:33:25 12	storm sewers or receiving waters within the	01:35:16	12	to develop a pollutant reduction plan for every	
01:33:27 13	Commonwealth.	01:35:19	13	stream that is impaired within the township,	
01:33:27 14	Q. And was your firm, Cedarville	01:35:20	14	which is every stream except Goose Creek which	
01:33:30 15	Engineering, retained by the township to assist	01:35:24	15	has its own plan. So there actually are two	
01:33:32 16	the township in filing its MS4 permit	01:35:27	16	pollutant plans for managing in the township.	
01:33:35 17	application with the Pennsylvania Department of	01:35:29	17	So, but, yes, the township	
01:33:38 18	Environmental Protection?	01:35:32	18	requested that we review the submitted plans,	
01:33:38 19	A. Yes.	01:35:36	19	the Crebilly Farm plans for the purposes of	
01:33:39 20	Q. Was Cedarville also retained by the	01:35:39	20	addressing the pollutant reduction plan	
01:33:41 21	township to assist in its preparation of the	01:35:41	21	specific to Radley Run and Chester Creek.	
01:33:44 22	total daily maximum load and pollutant	01:35:44	22	Q. Did you prepare a letter to the Board	
01:33:47 23	reduction plan?	01:35:46	23	which outlined your findings, dated February	
48 24	A. Yes.	01:35:49	24	22nd, 2017, which was previously marked Board	_
1	954			956	
01:33:49	Q. And have I marked that plan as Planning	01:35:52	1	Exhibit 25?	
01:33:52	Commission Exhibit 6?	01:35:53	2	A. Yes.	
01:33:54	A. Yes.	01:35:54	3	Q. Have you reviewed the stormwater	
01:33:54	Q. And can you explain what that plan is	01:35:56	4	management narrative that was prepared by ESE	
01:33:56 5	and why it is necessary for the township to	01:35:59	5	Consultants, dated October 2016, that was	
01:33:59 6	have such a plan?	01:36:02	6	admitted as Exhibit A-13?	
01:34:02 7	A. Yes. In the EPA, federal government	01:36:03	7	A. Yes.	
01:34:06	has established, they studied certain	01:36:04	8	Q. What streams will the stormwater runoff	
01:34:10	watersheds throughout the country, and the	01:36:07	9	from the Crebilly tract be discharged into?	
01:34:12 10	Goose Creek Watershed was one of the watersheds	01:36:09		A. Radley Run.	
01:34:15 11	in which they studied, and they determined that	01:36:11		Q. And also a portion of the Chester	
01:34:17 12	it was impaired due in part to storm sewer	01:36:14		Creek?	
01:34:21 13	contributions.	01:36:14		A. A portion of the property is in Chester	
01:34:22 14	So as part of the last round of	01:36:16	14	Creek, yes, so, yes, Chester Creek as well.	
01:34:26 15	permitting, the township had to develop a TMDL,	01:36:19	15	Q. Are Radley Run and the Chester Creek	
01:34:30 16	TMDL stands for total daily maximum load, so	01:36:21		designated as impaired for sediment by DEP?	
01:34:33 17	they had to reduce phosphorous from the storm,	01:36:25	17	A. Yes, they are. Radley Run is impaired	
01:34:37 18	municipal storm sewer system, and that was the	01:36:28		for sediment. As is Chester Creek. It is	
~ 34:40 19	plan that we submitted on behalf of Westtown	01:36:30		called siltation officially in the DEP tables.	
13 20	Township.	01:36:34		But siltation implies sediment.	
01:34:43 21	Q. Who ultimately will approve that TMDL	01:36:36		Q. And referring to Exhibit Planning	
01:34:48 22	and pollutant reduction plan?	01:36:39		Commission 6, which is the TMDL and pollutant	
01:34:49 23	A. That will be approved by the	01:36:42	23	reduction plan, is that shown on figure 2 with	
01:34:51 24	Pennsylvania Department of Environmental	01:36:46		the impaired streams?	

		957		959
01:36:48 1	A. Ye	s.	01:38:36	is. He is going to testify to the contents of
01:36:50 2	Q. Bas	sed on the designation of these water	01:38:38 2	the report. I heard your objection. We are
01:36:53	bodies as ir	npaired for sediment, what does the	01:38:40 3	going to allow it.
56 4	township ha	ave to do to these streams in order	01:38:41 4	MS. CAMP: I'm not asking him to
01:36:58 5	to comply v	vith its MS4 permit?	01:38:43 5	design it. I'm not asking him to do the
01:37:01 6	A. We	ell, starting in March 16th of 2018,	01:38:46 6	calculation. I'm asking him broader picture of
01:37:05 7	for five ye	ars, through March 15, 2023, the	01:38:49 7	when they go to design the stormwater
01:37:09	township l	nas to reduce sediment by 10 percent	01:38:51	facilities to comply with the township's
01:37:12	over that f	ive-year period.	01:38:53	requirements, as well as DEP's, what are some
01:37:14 10	Q. Co	uld the proposed development of the	01:38:57 10	things that they could keep in mind that would
01:37:16 11	Crebilly Far	m with 317 homes cause further	01:38:58 11	also then be beneficial to the township in
01:37:19 12	impairment	to the Radley Run and Chester Creek	01:39:00 12	achieving its permit requirements.
01:37:22 13	I guess if p	oper stormwater management and	01:39:01 13	MR. ADELMAN: I don't have the
01:37:25 14	BMPs are no	ot implemented?	01:39:03 14	ability to ask him questions on BMPs because it
01:37:27 15	A. Ye	5.	01:39:05 15	is beyond his scope. I object to the report on
01:37:27 16	Q. Wh	at BMPs would you suggest that Toll	01:39:07 16	that basis as well.
01:37:30 17	implement	to improve the existing impaired	01:39:08 17	MR. MCKENNA: Understood. Your
01:37:32 18	streams and	d reduce sediment from entering	01:39:09 18	objection is noted. It is overruled.
01:37:34 19	Radley Run	?	01:39:11 19	BY MS. CAMP:
01:37:35 20		MR. ADELMAN: Objection, beyond	01:39:12 20	Q. So the question was: What BMPs would
01:37:36 21	the scope o	f the applicant's expertise.	01:39:14 21	you suggest that Toll implement to improve the
01:37:39 22		MS. CAMP: Well, I think that as	01:39:17 22	existing impaired streams and reduce sediment,
22	the draftsm	an of the PRP for the township he is	01:39:20 23	reduce sediment from entering Radley Run?
01:37:41 23	are araicsin			
01:37:41 23 45 24		specific BMPs, again, specific to	01:39:22 24	A. Well, the guidance from the
		specific BMPs, again, specific to 958	01:39:22 24	
	suggesting		01:39:22 24	A. Well, the guidance from the
45 24	suggesting	958	4	A. Well, the guidance from the 960 Pennsylvania DEP in assessing for all
45 24 01:37:49 1	suggesting reducing se	958 diment into the impaired stream.	01:39:24	A. Well, the guidance from the 960 Pennsylvania DEP in assessing for all
01:37:49 1 01:37:52 2	reducing se	958 diment into the impaired stream. MR. ADELMAN: The witness	01:39:24 1 01:39:28 2	A. Well, the guidance from the 960 Pennsylvania DEP in assessing for all municipalities in the Commonwealth that have to
01:37:49 1 01:37:52 2 01:37:53 3	reducing se testified he engineer sto	958 diment into the impaired stream. MR. ADELMAN: The witness is not qualified to design or	01:39:24 1 01:39:28 2 01:39:30 3	A. Well, the guidance from the 960 Pennsylvania DEP in assessing for all municipalities in the Commonwealth that have to address sediment pollutant reduction, the ones
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01:37:49 1 01:37:52 2 01:37:53 3 01:37:54 4 01:37:57 5	reducing se testified he engineer sto why I asked	958 diment into the impaired stream. MR. ADELMAN: The witness is not qualified to design or ormwater management BMPs. That's I the question.	01:39:24	A. Well, the guidance from the 960 Pennsylvania DEP in assessing for all municipalities in the Commonwealth that have to address sediment pollutant reduction, the ones that have the highest rate of sediment removal for stream bank stabilization and forested
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45 24 01:37:49 1 01:37:52 2 01:37:53 3 01:37:54 4 01:37:57 5 01:37:58 6 01:38:01 7 01:38:03 8 01:38:05 9 01:38:05 10	reducing se testified he engineer sto why I asked Adelman, ex design them him to design since we are	diment into the impaired stream. MR. ADELMAN: The witness is not qualified to design or ormwater management BMPs. That's I the question. MR. MCKENNA: As I remember, Mr. excuse me, he testified he doesn't in. I don't believe anyone has asked on them. He's a soil scientist, and the talking about sediment, it seems	01:39:24	A. Well, the guidance from the 960 Pennsylvania DEP in assessing for all municipalities in the Commonwealth that have to address sediment pollutant reduction, the ones that have the highest rate of sediment removal for stream bank stabilization and forested riparian buffers. Q. And does this Crebilly tract provide an opportunity for stream bank restoration? A. Yes. We calculated approximately 17,000 linear feet of stream that would be
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the first choice is the water bodies listed as impaired by DEP in both Chester Creek and Radley Run are listed as impaired by DEP. Q. You also mentioned that another BMP 1014049 5 that Toll could implement to reduce sediment 1014059 7 would be installing forested riparian buffer; 1014057 8 is that correct? 1014058 11 A. Yes. 1014059 11 A. Well, a riparian buffer is an area 1014101 12 along the stream bank that is not being 1014101 13 developed. It is going to natural vegetation. 1014101 15 coming down, which prevents compaction of the soil, and also prevents runoff further, that's why you have less runoff in the woods than you 1014101 17 would in agricultural field, for example. 1014102 20 this proposed development. 961 1014103 20 this proposed development. 9014103 21 the first choice is the water bodies listed as impaired by DEP. 1014103 2 2 this proposed development. 9014103 2 1 the first choice is the water bodies listed as impaired by DEP. 1014103 2 2 further. 1014202 1 further. 1014202 1 further. 1014202 1 further. 1014202 1 further. 1014202 2 further. 1014202 1 further. 1014202 2 further. 1014202 1 further. 1014202 2 further. 1014202 3 further. 1014202 5 further. 1014202 6 further. 1014202 6 further. 1014202 7 further. 1014202 1 further. 1014202 7 further. 1014202 7 further. 1014202 7 further. 1014202 8 further. 1014202 8 further. 1014202 8 further. 1014202 9 further. 1014202 9 further. 1014202 1 further. 1014202 1 further. 1014202 1 further. 1014203 1 further. 1014203 1 further. 1014203 1 further. 1014203 2 further. 1014203 2 further. 1014204 1 further	you. lan; st
Radley Run are listed as impaired by DEP. 4 Q. You also mentioned that another BMP 5 that Toll could implement to reduce sediment 6 from entering Radley Run and Chester Creek 6 CROSS-EXAMINATION 6 PY MR. ADELMAN: 6 GROSS-EXAMINATION 6 Juliano 6 Q. You testified to Exhibit PC 6, the 6 odose Creek TMDL and pollutant reduction p 6 is that correct? 6 dose Creek TMDL and pollutant reduction p 6 juliano 6 juliano 7 dose Creek TMDL and pollutant reduction p 6 juliano 7 dose Creek TMDL and pollutant reduction p 6 juliano 7 dose Creek TMDL and pollutant reduction p 6 juliano 8 Q. You testified to Exhibit PC 6, the 6 juliano 9 dose Creek TMDL and pollutant reduction p 6 juliano 1 don't see a name here. I juliano 1 don't see a name here. I juliano 1 don't see a name here. I juliano 2 a signature in the plan. 6 juliano 8 A. Well, no. It was completed the completed th	you. lan; st
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oti40.52 6 from entering Radley Run and Chester Creek oti40.54 7 would be installing forested riparian buffer; oti40.55 8 is that correct? oti40.57 9 A. Yes. oti40.57 10 Q. Explain what that is. oti40.58 11 A. Well, a riparian buffer is an area oti41.01 12 along the stream bank that is not being oti41.01 13 developed. It is going to natural vegetation. oti41.01 15 coming down, which prevents compaction of the oti41.01 16 soil, and also prevents runoff further, that's oti41.01 17 why you have less runoff in the woods than you oti41.01 18 would in agricultural field, for example. oti41.02 10 into the existing buffer would further enhance oti41.02 20 into the existing buffer would further enhance oti41.03 21 the stormwater or the sediment reduction of oti41.03 6 CROSS-EXAMINATION oti43.06 7 BY MR. ADELMAN: Oti43.06 7 BY MR. ADELMAN: Oti43.07 10 oti43.08 9 Goose Creek TMDL and pollutant reduction p oti43.07 11 A. Yes. Oti43.07 11 A. Yes. Oti43.07 11 A. Yes. Oti43.07 12 Q. Who prepared that plan? Oti43.07 14 see a name here. I jut see your engineering group. I do not even s oti43.08 13 I don't see a name here. I jut see your engineering group. I do not even s oti43.08 13 I don't see a name here. I jut see your engineering group. I do not even s oti43.08 13 I don't see a name here. I jut see your engineering group. I do not even s oti43.08 13 I don't see a name here. I jut see your engineering group. I do not even s oti43.02 14 See your engineering group. I do not even s oti43.03 16 Oti43.03	lan; st
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o1:41:26 20 into the existing buffer would further enhance o1:41:30 21 the stormwater or the sediment reduction of o1:43:46 21	
on:41:30 21 the stormwater or the sediment reduction of one	?
o _{1:41:33} 22 this proposed development.	Does
Q. And does Section 144-301 letter U of o1:43:52 23 certifications or registrations? What is she?	
24 the stormwater ordinance require a 75-foot 01:43:55 24 A. She is a wetlands scientist.	
962	964
01:41:42 1 riparian buffer on either side of the top of Q. Wetlands scientist. Isn't it true, as	
01:41:44 2 bank of a water channel? 2 we just discussed, this TMDL plan, PC 6,	
01:41:46 3 A. Yes. 01:44:13 3 specifies structural and nonstructural BMPs?	
01:41:46 4 Q. And do you know if the plan proposed 01:44:18 4 A. Yes.	
o _{1:41:50} 5 provides the 75-foot riparian buffer?	
01:41:52 6 A. Well, in the plans I saw, I saw the	ed?
on:41:57 7 areas that were labeled as waters of the	
01:41:59 8 75-foot buffer. One of the areas of wetlands	
o1:42:02 9 said 50 feet, it listed a 50-foot buffer from	-
on top of bank. So I'm not sure if that's being on the plan, one of our engineer of the plan, one of the plan, one of the plan, one of our engineer of the plan, one	
oli4441 11 would design a plan that would then be	
01:42:10 12 But for the most part I saw a 75-foot buffer. 01:42:10 12 But for the most part I saw a 75-foot buffer. 01:42:10 12 through the township. So for that specification is a planning document, not an engineer.	
, , ,	neering
o1:42:24 15 temperature of receiving waters? o1:44:50 15 Q. I understand that. But is it your o1:44:52 16 testimony, then, that an engineer would nee	d to
on the stormwater management of the stormwate	2.00
on the submitted, they did address on the submitted of the submitted	
oi:42:36 10 a temperature. I would say that a forested oi:42:36 10 A. That's correct. Again, this is a oi:42:39 19 riparian buffer would further enhance that, oi:45:00 19 planning document, so we looked at the	nutrient
2 20 where you have greater shading and you would 12 20 where you have greater shading and you would 12 20 loads that were calculated through the	
on the second state of the	
01:42:46 22 Q. And is this a requirement of Section 01:45:05 22 Q. Right.	
01:42:47 23 144-305 letter D of the stormwater ordinance? 01:45:05 23 A through GIS, and then we wer	
01:42:53 24 A. Yes. 01:45:08 24 through the tables and selected, in according	t
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	965		967
01:45:12	with the township, BMPs that would meet those	01:47:11 1	understand what you are trying, you are trying
01:45:15 2	goals.	01:47:12	to, if I could interpret your question, you are
01:45:16 3	Q. I understand.	01:47:14 3	trying to
17 4	A. Okay.	01:47:15 4	Q. Sure, yes.
01:45:19 5	Q. Would the proposed change in use of	01:47:16 5	A say that conventional row
01:45:21 6	this property from a farm field to a	01:47:18 6	agricultural, with deep tillage and turning the
01:45:24 7	residential development reduce certain TMDLs,	01:47:21 7	soil over every year is far worse than a
01:45:30	certain pollution into the stream area?	01:47:23	residential development. However, I don't know
01:45:33	A. Well, it depends on the kind of farm	01:47:26	what the current, what the agronomic practices
01:45:35 10	field it was. It depends on how it was	01:47:29 10	were of the land.
01:45:37	managed.	01:47:30 11	Q. Isn't it true that when you have an
01:45:38 12	Q. Well, you evaluated and issued a	01:47:32 12	agricultural, active agricultural site, you
01:45:41 13	letter; isn't that correct?	01:47:37 13	have nitrogen, you have phosphorus, you have
01:45:42 14	A. I evaluated the report and issued a	01:47:40 14	multiple pollutants that come into stream
01:45:44 15	letter, yes.	01:47:40 1-	bodies, correct?
01:45:44 15	Q. With respect to this proposed	01:47:43 16	A. You can, yeah no, that is possible.
01:45:45 10	development of the property, correct?	01:47:43 10	But, again, there is a tremendous difference
01:45:47	A. Yes.	01:47:45 17	between a horse, you said it is a horse farm,
01:45:49 10	Q. Okay. So are you aware of the	01:47:47 10	which is perennial vegetation
01:45:49 19	pollution that generally comes from an actively	01:47:51 20	Q. I just asked you a question.
01:45:52 20	farmed field?	01:47:51 20	A where you have runoff.
01:45:55 21		01:47:52 21	Q. Let's try and answer my question.
01:45:56 22	A. Well, you are that's a very broad generalization. What kind of agronomic	01:47:55 23	MR. MCKENNA: Gentlemen, let's
06 24	practices are we doing? Is this a farmer	01:47:56 24	try not talking over each other.
00 2-4	966	01,47.50	968
01:46:08 1	maintaining a buffer? Is he or she using	01:47:58	MR. ADELMAN: I'm going to ask my
01:46:12 2	conservation tillage? Is it hay? Is it field	01:47:59 2	question again.
01:46:13	crops? Is it animals?	01:47:59 3	MR. MCKENNA: Thank you.
01:46:14 4	Q. Let's start with it is a horse farm.	01:48:00 4	BY MR. ADELMAN:
01:46:16 5	What kind of nutrients and/or pollution would	01:48:00 5	Q. Isn't it possible when you have an
01:46:19 6	you normally expect to run off into a receiving	01:48:03 6	active agricultural site to have nutrients,
01:46:24 7	water body?	01:48:06 7	such as nitrogen and phosphorus, just like you
01:46:26	A. Are the streams fenced? I have not	01:48:10 8	have in the center part of the state and you
01:46:29	been on the site. We were not granted access	01:48:12	have in Chesapeake Bay, TMDLs actively pollute
01:46:31 10	onto the site.	01:48:17 10	watercourses?
01:46:32 11	So for a horse pasture you	01:48:17 11	A. It is possible.
01:46:35 12	probably wouldn't, with perennial vegetation,	01:48:18 12	Q. Thank you. That's all I wanted.
01:46:39 13	you probably have very little.	01:48:20 13	A. Okay.
01:46:41 14	Q. Well, you have access to Google Earth.	01:48:20 14	Q. Okay. Are you familiar with the
01:46:42 15	You could have looked at an aerial of the site	01:48:26 15	Chapter 102 stormwater regulations that DEP
01:46:45 16	before you wrote your letter; is that correct?	01:48:31 16	implements?
01:46:48 17	A. No, I did look at Google Earth. But	01:48:31 17	A. I am familiar with them, yes.
01:46:50 18	what	01:48:33 18	Q. Okay. Is this watershed a high-quality
01:46:51 19	Q. What did you see for this property in	01:48:39 19	or exceptional-value watershed?
3 20	terms of its use, present and past?	01:48:42 20	A. No, it is not.
01:46:58 21	A. The site, and I have been on the site,	01:48:43 21	Q. What type of watershed is it?
01:47:01 22	working for other companies, ten years ago, so,	01:48:44 22	A. I would have to I know it is
		1	
01:47:04 23	but I can't testify as to the date of the	01:48:48 23	impaired. I believe it is cold water fishery

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1	969		971
01:48:57	Q. If we look at Exhibit B 25, I think	01:51:04	volume is met. However, and the rate of a
01:49:01 2	that's your letter.	01:51:08 2	storm for 5-, 10-, 20-, a hundred-year storm is
01:49:02 3	A. Okay.	01:51:12 3	also met. However, it does not meet the volume
03 4	Q. Dated February 22nd. On page 2, I	01:51:14 4	requirements for those storms. So large
01:49:07 5	believe you state it was a warm water fishery?	01:51:16 5	storms, by nature of Chapter 102 and the
01:49:09 6	A. Okay, warm water fishery.	01:51:20 6	regulations, are not accounted for in the
01:49:11 7	Q. Isn't it true under the Chapter 102	01:51:24 7	design. Are not accounted for in the design.
01:49:14	regulations that riparian forested buffers	01:51:28	Q. Are you referring to storms larger than
01:49:16	aren't required in areas that are warm water	01:51:30	a 100-year storm?
01:49:19 10	fisheries?	01:51:32 10	A. No. Storms larger the total volume
01:49:22 11	A. That's correct, yes.	01:51:34 11	larger than the two-year storm is not accounted
01:49:27 12	Q. You heard Mr. Matson's testimony,	01:51:37 12	for. The rate is accounted for.
01:49:30 13	correct?	01:51:40 13	Q. So you are saying the minimum
01:49:30 14	A. Yes.	01:51:41 14	requirement is the two-year pre and the
01:49:31 15	Q. Did Mr. Matson testify correctly that	01:51:43 15	two-year post; is that correct?
01:49:34 16	the MS4 requirement is a municipal requirement	01:51:44 16	A. Yes, it meets the minimum requirement.
01:49:36 17	and not a private developer's requirement?	01:51:46 17	Q. Understood. Broadly speaking, how is
01:49:40 18	A. The township owns the permit, yes.	01:52:00 18	the Radley Run currently impaired? What are
01:49:42 19	Q. So the township is obligated to comply	01:52:03 19	its sources of impairment?
01:49:44 20	with the MS4 requirements; isn't that correct?	01:52:06 20	A. Well, according to the Pennsylvania
01:49:46 21	A. Yes.	01:52:08 21	DEP, it is impaired for siltation and water
01:49:49 22	Q. In your letter, Exhibit B 25, dated	01:52:13 22	flow variability. It does not list the
01:49:53 23	February 22nd, 2017, on page 2, fourth	01:52:16 23	specific source.
02 24	paragraph, last sentence you state: "However,	01:52:16 24	Q. Do you know?
1	970		972
01:50:07	any proposed development will contribute to the	01:52:18	A. I do not.
01:50:09	further impairment of Radley Run," isn't that	01:52:21 2	Q. Does your PC 6 TMDL and pollutant
01:50:12	correct?	01:52:27	reduction plan specify where those specific
01:50:12	A. Yes.	01:52:31 4	sources come from?
01:50:14 5	Q. Isn't this proposed development	01:52:34 5	A. We utilized the table that DEP gave us,
01:50:16	required to comply with NPDES and stormwater	01:52:37	which cites the causes of the impairment.
01:50:19 7	regulations?	01:52:41 7	Q. And is that the table referred to on
01:50:21	A. Yes. And the stormwater regulations	01:52:43	page 3 of PC 6?
01:50:24	are to comply with the two-year volume,	01:52:45	A. Yes.
01:50:27 10	two-year storm for volume and up to the	01:52:46 10	Q. So if I'm reading this correctly, the
01:50:32 11	hundred-year storm for rates, yes.	01:52:56 11	seventh column where it says "Other Causes of
01:50:34 12	Q. Do the stormwater regulations permit a	01:52:59 12	Impairment," are those the causes that you are
01:50:36 13	developer to further impair an already impaired	01:53:02 13	referring to?
01:50:38 14	receiving body?	01:53:03 14	A. Yes. The PRP requires that siltation
01:50:40 15	A. No, they do not.	01:53:07 15	and nutrients, if present as a cause of
01:50:41 16	Q. So if the developer complies with the	01:53:10 16	impairment, must be addressed, and any other
01:50:43 17	stormwater regulations applicable to its	01:53:13 17	causes of impairment are not.
01:50:45 18	development, how can your statement be correct,	01:53:17 18	Q. And that this states almost all of them
01:50:49 19	"any proposed development will contribute to	01:53:19 19	"Cause Unknown," isn't that correct?
32 20	the further impairment"?	01:53:21 20	A. Yes.
01:50:54 21	That would be illegal, wouldn't	01:53:21 21	Q. Would the developer's post-construction
01:50:55 22	it?	01:53:26 22	stormwater management plan require
01:50:55 23	A. That would be illegal. The rationale	01:53:29 23	stabilization measures to reduce, prevent or
01:51:01 24	behind that statement was that the two-year	01:53:33 24	prohibit erosion and sedimentation from running

	973		975
01:53:37 1	off the site?	01:55:31	under the forested riparian buffer: "Per the
01:53:38 2	A. Yes.	01:55:34 2	PA DEP BMP Effective Value tables, the
01:53:41 3	Q. You recommend stream restoration and	01:55:38 3	reduction of sediment is 50 percent for the
51 4	forested riparian buffers. I think your	01:55:40 4	volume of water that passes through this
01:53:53 5	testimony earlier was you had been on the site	01:55:42 5	buffer," you don't know whether that's true or
01:53:56 6	many years ago; is that correct?	01:55:44 6	not with respect to this site; is that correct?
01:53:57 7	A. Yes.	01:55:47 7	It is on page 2, bottom of page 2 of your
01:53:58	Q. But not recently?	01:55:50	letter, February 22nd, 2017.
01:53:59	A. Correct.	01:55:53	A. Well, that's, that's what the guidance
01:54:00 10	Q. When you were on the site many years	01:55:57 10	that DEP has set forth is, that that's the
01:54:01 11	ago, did you evaluate whether stream	01:56:01 11	credit you get for it. They do not ask you to
01:54:04 12	restoration along the watercourse was even	01:56:03 12	measure it. They do not ask you to quantify
01:54:07 13	feasible?	01:56:05 13	it. But that's what you would get, the value.
01:54:09 14	A. That was not my purview when I was on	01:56:07 14	Q. That's similar to the BMP checklist
01:54:13	the site. So I was that was a long time	01:56:09 15	that you do in a stormwater application, if you
01:54:13 15	ago.	01:56:11 16	know?
01:54:18 17		01:56:11 17	A. Yes.
	Q. So do you even know if it is feasible?		
01:54:22 18	A. Well, stream restoration is always	01:56:31 18	MR. ADELMAN: Nothing further.
01:54:24 19	feasible, stream bank restoration.	01:56:32 19	Thank you.
01:54:27 20	Q. What exactly are you referring to,	01:56:36 20	MR. MCKENNA: Ms. Labrum, any
01:54:29 21	then, when you say "stream restoration" in	01:56:37 21	questions?
01:54:32 22	terms of what types of? The very general,	01:56:38 22	MS. LABRUM: None.
01:54:36 23	broad term, isn't that correct?	01:56:39 23	MR. MCKENNA: Mr. Thompson?
38 24	A. Stream bank restoration.	01:56:42 24	MR. THOMPSON: No.
1	974		976
01:54:39	Q. As used in your letter Exhibit B 25?	01:56:43	MR. MCKENNA: Mr. DuFault?
01:54:43	A. Well, stream bank restoration is	01:56:45 2	MR. DUFAULT: No.
01:54:46 3	stabilizing the banks of a stream, eroded	01:56:46 3	MR. MCKENNA: Mr. Bevilacqua?
01:54:48 4	areas.	01:56:51 4	MR. BEVILACQUA: No.
01:54:48 5	Q. How? There is many different ways?	01:56:52 5	MR. MCKENNA: Mr. Scanion?
01:54:50 6	A. Yes, there is many different ways, yes.	01:56:53	DR. SCANLON: No.
01:54:51 7	Q. So you are not specifying one way or	01:56:54	MR. MCKENNA: Mr. Feryo?
01:54:53	over another?	01:56:56	MR. FERYO: Nothing.
01:54:55	A. I am not. I am not advocating for a	01:56:56	MR. MCKENNA: Mr. or Mrs.
01:54:58 10	specific type of material utilized.	10	Harkins?
01:55:01 11	Q. And is that the same with respect to	01:56:58 11	MS. HARKINS: No questions.
01:55:02 12	forested riparian buffers, you are not	01:56:59 12	MR. MCKENNA: Mr. Mammucari?
01:55:05 13	specifying any specific type of reforestation	01:57:03 13	A VOICE: He left.
01:55:08 14	along the area?	01:57:04 14	MR. MCKENNA: Mr. Jones?
01:55:09 15	A. I'm not specifying anything for that,	01:57:06 15	MR. JONES: No questions.
01:55:13 16	towards moving forward in the process. You	01:57:09 16	MR. MCKENNA: Ms. Corcoran?
01:55:17 17	know, perhaps some landscaping could be	01:57:10 17	MR. CORCORAN: No questions.
01:55:19 18	incorporated into that to meet the	01:57:11 18	MR. MCKENNA: Mr. Daull?
01:55:23 19	requirements. It would state in the	01:57:18 19	Mr. Pavelchek?
25 20	application as well.	01:57:19 20	MR. PAVELCHEK: No questions.
01:55:25 21	Q. These are just generalized suggestions;	01:57:20 21	MR. MCKENNA: Mr. or Mrs. Kramer?
01:55:28 22	is that correct?	01:57:23 22	MS. KRAMER: No questions.
01:55:28 23	A. Yes.	01:57:23 23	MR. MCKENNA: Mr. Skros?
01:55:28 24	Q. So when you say in the last sentence	01:57:25 24	MR. SKROS: No questions.
	Page 973 tr		

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	MD MCKENNA, Ma Carrier	,	
01:57:26	MR. MCKENNA: Ms. Carey?	01:59:59 1	could be. MS. DEWOLF: And another
01:57:30 2	Mr. or Mrs. McFadden? MR. MCFADDEN: No questions.	02:00:00 2	question, because our mitigation is for
01:57:32	MR. MCKENNA: No questions. MR. MCKENNA: Ms. Weller?	02:00:01 3	sediment, with a new development, could we have
33 4		02:00:06 4	other issues that may compromise the quality of
	MS. WELLER: No questions. MR. MCKENNA: Does the Board have	02:00:11 5	Radley Run in addition to sediment loads?
_		_	Could there be now nutrient, phosphorous,
	any questions? MS. DEWOLF: When you were		nitrogen, calcium nitrogen and nitrates, in
	working on the plan for the township		addition to the sediment loads that we are
01:57:45 9	THE WITNESS: Yes.	02:00:29 9	currently dealing with?
01:57:48 10	MS. DEWOLF: and the	02:00:35	THE WITNESS: Well, the
01:57:49 11	recommendations, did April Bartkowski, a	02:00:36	engineering design is intended to meet the
01:57:50 12	professional engineer, review and approve your	02:00:37 12	sediment and nutrient impacts from that
01:57:53 13	plans prior to submitting them to the township?	02:00:39 13	development. However, it may be possible that
01:57:55 14	THE WITNESS: Yes, she does.	02:00:44 14	post construction something may occur.
01:57:59 13	MS. DEWOLF: And is she a	02:00:49 15	MS. DEWOLF: Could you please
01:58:00 10	professional engineer who deals specifically in	02:00:52	repeat that again? I didn't understand your
01:58:08 18	water resources and mitigation and this kind of	02:00:54 18	answer.
01:58:08 19	specialty?	02:00:55 19	THE WITNESS: Well, the proposed
01:58:13 20	THE WITNESS: Yes.	02:00:56 20	design as approved through their NPDES permit
01:58:15 21	MS. DEWOLF: Thank you.	02:01:01 21	is addressed, is designed to address sediment
01:58:21 22	Secondly, were you familiar with	02:01:04 22	and/or nutrients from the proposed development.
01:58:22 23	our most recent recommendations that were	02:01:11 23	Is it possible that further
26 24	presented to the township this past week on the	02:01:15 24	degradation may result after the construction
1	978		980
01:58:30		02:01:18 1	980 is completed? It is possible.
01:58:30 1 01:58:35 2	978 mitigation for our MS4 permit? THE WITNESS: Yes.	02:01:18 1	
	mitigation for our MS4 permit?	02:01:21 2	is completed? It is possible.
01:58:35	mitigation for our MS4 permit? THE WITNESS: Yes.	02:01:21 2	is completed? It is possible. MS. DEWOLF: So your projections
01:58:35 2 01:58:36 3	mitigation for our MS4 permit? THE WITNESS: Yes. MS. DEWOLF: So you are also	02:01:21 2	is completed? It is possible. MS. DEWOLF: So your projections that you gave the township for the mitigation
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01:58:35 2 01:58:36 3 01:58:42 4 01:58:49 5 01:58:51 6 01:58:52 7 01:58:53 8 01:58:59 9 01:59:01 10 01:59:08 12 01:59:10 13 01:59:11 14 01:59:17 15 01:59:27 17 01:59:27 17 01:59:32 18 01:59:43 19	THE WITNESS: Yes. MS. DEWOLF: So you are also familiar with the costs that the township has to bear in order to correct some of these things? THE WITNESS: Yes. MS. DEWOLF: In respect to Radley Run, there was certain linear feet that needed to be mitigated at this time for the sediment loads that we have now? THE WITNESS: Yes. MS. DEWOLF: That are defined. With a development we know that there will be additional costs and sediment loading, would you agree, from a new development, in addition to what we have projected at this time? THE WITNESS: Yes. MS. DEWOLF: And could that mean or equal additional mitigation measures that we would have to do in addition to the linear feet	02:01:21 2 02:01:24 3 02:01:30 4 02:01:30 5 02:01:39 6 02:01:39 7 02:01:43 8 02:01:45 9 02:01:47 10 02:01:49 11 02:01:51 12 02:01:52 13 02:01:58 14 02:02:00 15 02:02:10 16 02:02:39 17 02:02:41 18 02:02:44 19 02:02:46 20 02:02:50 21	is completed? It is possible. MS. DEWOLF: So your projections that you gave the township for the mitigation this past week were based on the existing conditions now or the new development? THE WITNESS: You are talking about the PRP plan that was discussed for the township? MS. DEWOLF: The MS4 permit mitigation that we just went over on Monday at our meeting. THE WITNESS: Yes. That was addressing the current baseline loads and how that can be addressed over the next five-year period. (Board members conferring.) MS. DEWOLF: Does this water surface immediately downstream that we also need to be concerned with? Are you familiar with anything immediately downstream where this water quality is important to, as well?

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02:03:02	concern.	02:05:10 1	keep it as is, because we are doing the bare
02:03:04 2	A VOICE: Quarry Swimming	02:05:14 2	minimum requirements for stormwater practices;
02:03:07 3	Association is downstream.	02:05:18 3	is that correct?
D6 4	MR. ADELMAN: Objection.	02:05:18 4	THE WITNESS: Yes. And I would
02:03:09 5	A VOICE: I have a pond	02:05:19 5	imagine that that is why 144-301.P lists
02:03:10 6	MR. MCKENNA: Ladies and	02:05:27 6	impaired waters as an area in which a township
02:03:12 7	gentlemen, as much as I appreciate your	02:05:29 7	may require additional water quality
02:03:13	comments, now is not the time to yell them out.	02:05:32	requirements.
02:03:16	Until you are recognized, I would appreciate	02:05:33	MR. HAWS: Thank you very much.
02:03:18 10	you would please keep your comments to yourself	02:05:35 10	THE CHAIRMAN: The linear feet
02:03:19 11	and let the Board ask their questions. Thank	02:05:40 11	for the Radley Run is 17,000 linear feet. Is
02:03:21 12	you.	02:05:47 12	that just Crebilly or is that the entire Radley
02:03:22 13	MS. DEWOLF: Do new developments	02:05:50 13	Run?
02:03:24 14	impact water quality?	02:05:50 14	THE WITNESS: Our GIS, one of our
02:03:29 15	THE WITNESS: The regulations set	02:05:53 15	GIS staff measured it on Crebilly Farm
02:03:30 16	forth by the state are designed not to impact	02:05:56 16	property.
02:03:34 17	water quality.	02:05:57 17	THE CHAIRMAN: Okay. And are
02:03:42 18	MS. DEWOLF: I have one more, but	02:05:58 18	there tributaries also on Crebilly?
02:03:43 19	I'm going to think about it and pass.	02:06:02 19	THE WITNESS: It included all of,
02:03:48 20	MR. HAWS: Just one question. I	02:06:04 20	everything that connected to Radley Run.
02:03:50 21	know Mr. Adelman had asked you to comment on	02:06:06 21	THE CHAIRMAN: Okay. Thank you.
02:03:55 22	your Exhibit B 25 on the second page, the	02:06:10 22	MR. MCKENNA: Carol?
02:04:00 23	paragraph that talked about "The stormwater	02:06:20 23	MS. DEWOLF: No.
o1 24	management design of the proposed development	02:06:21 24	MR. MCKENNA: Any redirect?
Ĩ	982		984
02:04:05	must meet the requirements of Westtown Township	02:06:22 1	MS. CAMP: Yes. I'll be quick.
02:04:08 2	Stormwater Management Ordinance. Stormwater is	02:06:24	REDIRECT EXAMINATION
02:04:11 3	proposed to be managed primarily through the	02:06:24	BY MS. CAMP:
02:04:13 4	installation of infiltration basins." And then	02:06:24 4	Q. Doesn't the applicant have choices in
02:04:16 5	your next comment was: "However, any proposed	02:06:27 5	deciding which BMPs to implement to be able to
02:04:19 6	development will contribute to the further	02:06:30 6	adhere to township stormwater regulations as
02:04:21 7	impairment of Radley Run."	02:06:33 7	well as state NPDES requirements?
02:04:23	So just so I understand	02:06:34	A. Yes.
02:04:24	correctly, the development is coming in and it	02:06:35	Q. And isn't the purpose of your
02:04:28 10	is meeting the criteria to keep the quality the	02:06:36 10	recommendations in Exhibit B 25 to suggest that
02:04:34 11	same, if not a little bit better than what it	02:06:41 11	Toll consider measures that basically would
02:04:38 12	is today, correct?	02:06:44 12	kill two birds with one stone, and that is
02:04:40 13	THE WITNESS: Yes. Really, that	02:06:46 13	comply with Stormwater management regulations,
02:04:42 14	comment is more of a general statement. They	02:06:48 14	comply with NPDES requirements, as well as
02:04:45 15	are meeting the regulations, the minimum	02:06:50 15	assist the township in its MS4 permit?
02:04:47 16	regulations set forth by the state.	02:06:53 16	A. Yes.
02:04:50 17	MR. HAWS: So it is the minimum	02:06:53 17	Q. And isn't it common for applicants to
02:04:51 18	regulations set by the state?	02:06:55 18	work cooperatively with the township and their
02 04:52 19	THE WITNESS: Right.	02:06:59 19	engineers and planners when designing the BMPs
i3 20	MR. HAWS: So the comment that	02:07:02 20	for a development of this size? A. Yes. We have addressed MS4 or written
02:04:54 21	you make there saying that it won't help the	02:07:04 21	letters on behalf of communities we represent
02:04:59 22	impairment of the river if you are not doing anything extra, such as stream restoration and	02:07:08 22	in two other, two other communities at this
	things, it won't improve the quality? It will	02:07:11 23	stage, at the conditional use stage.
02:05:08 24	timigs, it won't improve the quality? It will	02:07:14 24	stage, at the conditional use stage.

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02:07:17 1	Q. And if granted access to the site by	02:09:08 1	A. Okay.
02:07:19 2	the applicant, during the land development	02:09:13 2	MR. ADELMAN: I have nothing
02:07:21 3	process couldn't you and your firm assist Toll	02:09:14 3	further. Thank you.
24 4	in providing more concrete examples of how they	02:09:16 4	MR. MCKENNA: The Board has more
02:07:27 5	could implement stream bank restoration and	02:09:19 5	questions?
02:07:30 6	forested riparian buffers?	02:09:20 6	MS. DEWOLF: I would like to
02:07:33 7	A. Yes, we certainly could have that	02:09:22 7	clarify that last comment. When you looked at
02:07:35	discussion.	02:09:27	the BMPs that could be met, you looked at Goose
02:07:36	MS. CAMP: Nothing further.	02:09:33	Creek, but you had to look at Radley Run,
02:07:38 10	MR. MCKENNA: Any recross, Mr.	02:09:36 10	right? So there was no site selection for
02:07:40 11	Adelman?	02:09:40 11	Radley Run? It was here and only here?
02:07:40 12	MR. ADELMAN: Yes, I have a	02:09:45 12	Whereas Goose Creek had a whole option of
02:07:41 13	couple questions.	02:09:48 13	alternative sites to utilize, for Radley Run it
02:07:42 14	RECROSS-EXAMINATION	02:09:53 14	is only on Crebilly Farm?
15	BY MR. ADELMAN:	02:09:56 15	THE WITNESS: Well, in addressing
02:07:43 16	Q. Who is April Bartkowski?	02:09:59 16	either a TMDL or pollutant reduction plan, the
02:07:45 17	A. She is the president and CEO of	02:10:02 17	first, your first step is to look at
02:07:48 18	Cedarville Engineering.	02:10:04 18	township-owned property, and look at, the term
02:07:49 19	MR. MCKENNA: Can we make sure we	02:10:08 19	is low-hanging fruit, look at opportunities
02:07:50 20	get her name right. Is it Barkasi? B-A-R	02:10:11 20	where you can do, have an impact.
02:07:51 21	MR. ADELMAN: I apologize.	02:10:14 21	This happened to be an
02:07:52 22	MR. MCKENNA: B-A-R-K-A-S-I. Not	02:10:20 22	opportunity that we felt on behalf of the
02:07:56 23	your fault, Mr. Adelman.	02:10:22 23	township where the pollutant reduction plan
58 24	MR. ADELMAN: Thank you. I was	02:10:25 24	could be addressed within this watershed. And
ì	986		988
02:07:58	986 just repeating what was previously said.	02:10:27 1	988 it is also a fairly substantial portion of land
02:07:58 1 02:08:00 2		02:10:27 1 02:10:30 2	
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02:08:00 2	just repeating what was previously said. MR. MCKENNA: Understood.	02:10:30 2	it is also a fairly substantial portion of land within the Radley Run watershed, in Westtown Township. MS. DEWOLF: Where in addition to
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02:08:00 2 02:08:03 3 02:08:03 4 02:08:03 4 02:08:05 5 02:08:10 6 02:08:13 7 02:08:19 8 02:08:19 9 02:08:22 10 02:08:22 11 02:08:25 12 02:08:28 13 02:08:37 14 02:08:39 15 02:08:43 16 02:08:43 16 02:08:51 18 02:08:51 18 02:08:51 20 02:08:52 21	just repeating what was previously said. MR. MCKENNA: Understood. THE WITNESS: Another engineer who did work, another professional engineer who did work on our plan was Tanya O'Kane, O apostrophe K-A-N-E, who worked with us in looking at the BMPs. BY MR. ADELMAN: Q. This was for plan PC 6, correct? A. Yes. Q. Could you define what the scope of their work was with respect to that plan? A. Well, the scope of the work was, if I was just going to list those four people, Beth Euler did the GIS analysis, looking at the existing loading within the township. And then Tanya O'Kane assisted in identifying the BMPs that could meet those goals and running the calculations. And then I reviewed the report. And April is the president of this company, well-known and respected stormwater engineer,	02:10:30	it is also a fairly substantial portion of land within the Radley Run watershed, in Westtown Township. MS. DEWOLF: Where in addition to Crebilly Farm is the Radley Run watershed? THE WITNESS: Yes. MS. DEWOLF: The whole watershed, in respect to where it is in Westtown, is in Crebilly Farm? There is no other THE WITNESS: I understand that, the pollutant reduction plan can each stream does not need its own BMPs to address it. So the pollutant reduction plan for Radley Run is within the greater Chester Creek Watershed. So that there are opportunities within the township. However, to specifically address the issues with Radley Run, this is where the opportunity is. MS. DEWOLF: Excuse me. The Radley Run Watershed is in the Brandywine Watershed. Radley Run THE WITNESS: Yes.
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	989			991
02:11:36	Creek. Radley Run, the only place we can	02:13:14	1	evening, because he is in town on July 27th.
02:11:41 2	satisfy our sediment load which we are required	02:13:18	2	We intend at the August hearing
02:11:44 3	to do by DEP is on this site?	02:13:20	3	to call witnesses with respect to the
49 4	THE WITNESS: Yeah, that is	02:13:23	4	historical significance of the property. And I
02:11:50 5	correct.	02:13:27	5	think that will be all we will call. But I
02:11:51 6	MS. DEWOLF: Thank you.	02:13:31	6	will let everybody know if we intend to call
02:11:52 7	THE WITNESS: The PRP is not	02:13:33	7	anybody else.
02:11:54	specific to Radley Run. It is specific to the	02:13:33	8	MR. ADELMAN: I appreciate that.
02:11:55	township.	02:13:34	9	If that's your only witness, I might ask the
02:12:03 10	MS. DEWOLF: I'm done.	02:13:36	10	next parties to be prepared, if the township
02:12:05 11	MR. MCKENNA: Ms. Camp, any	02;13;38	11	could so direct them, to start calling their
02:12:07 12	further questions?	02:13:40	12	witnesses as well.
02:12:07 13	MS. CAMP: No.	02:13:41		MR. MCKENNA: You mean for July
02:12:08 14	MR. MCKENNA: Mr. Adelman,	02:13:42	14	or August?
02:12:09 15	anything based on that? I know you can't help	02:13:43	15	MR. ADELMAN: August.
02:12:12 16	yourselves.	02:13:43	16	MR. MCKENNA: Yes, absolutely.
02:12:12 17	MR. ADELMAN: No.	02:13:45		100 percent agree with that.
02:12:14 18	MR. MCKENNA: Thank you.	02:13:46		MR. ADELMAN: Thank you.
02:12:15 19	Anything further from the Board?	02:13:47	19	MR. MCKENNA: Mr. Adelman, will
02:12:16 20	MS. DEWOLF: No.	02:13:48	20	you have anyone additional after Ms. Kline?
02:12:16 21	MR. MCKENNA: Thank you, Mr.	02:13:50	21	MR. ADELMAN: Not on direct, no.
02:12:19 22	Dadio.	02:13:52	22 Possibly rebuttal, obviously, once everyone	
02:12:20 23	(Witness excused.)	02:13:54		else's witnesses have testified.
7:21 24	MR. MCKENNA: Ms. Camp, anything	02:13:56	24	MR. MCKENNA: Okay. All right.
1	990			992
02:12:22 1	further for this evening?	02:13:57	1	Ladies and gentlemen, we are going to continue
02:12:23	MS. CAMP: No. I would like to	02:13:59	2	the hearing this evening until July 25th. It
02:12:24	call Bill Malin. He was on vacation.	02:14:03	3	will be here again at Rustin. It will again be
02:12:26	Otherwise, I would have had him available for	02:14:06	4	from 6:00 until 10:00 o'clock, if need be.
02:12:28 5	tonight. Because I don't expect his testimony	02:14:09	5	We have scheduled out a date in
02:12:30	to be long.	02:14:11	6	August. It will be August 29th, same location,
02:12:30 7	Just for purposes of the	02:14:14	7	same timeframe. Thank you all for coming this
02:12:31	planning, I think I had referred to this today	02:14:18	8	evening.
02:12:33	in e-mail communication, but just for people in	02:14:19		Thank you again to all of the
02:12:36 10	the audience that were not privy to that, Mr.	02:14:20		Rustin staff for all their assistance this
02:12:41 11	Adelman will be recalling Nicole Kline as a	02:14:22		evening.
02:12:43 12	traffic expert, and I guess there are	02:14:25		(Proceedings conclude at 9:39
02:12:46 13	additional cross-examination or		13	p.m.)
02:12:47 14	recross-examination, redirect.	02:14:26		
02:12:48 15	At the conclusion of that, the	02:14:26		INDEX
02:12:51 16	township planning will be calling Al Federico,	l .	16	W
02:12:54 17	who is the township transportation expert and	l .	17	WITNESS DIRECT CROSS REDIRECT
02:12:57 18	engineer. So we would like to, because the		18	David C. Babbitt
02:12:59 19	topic will be transportation, we would like to		19	By Mr. Adelman 810 888
o1 20	go right into his testimony. We are assuming		20	By Ms. Camp 837
02:13:03 21	that that will take the majority of the hearing		21	By Mr. Thompson 843
02:13:05 22	in July. If it does not, and we will, as it		22	
02:13:11 23	gets closer, coordinate with Mr. Adelman, we		23	Michael McDonald
02:13:13 24	could have Mr. Malin available for that		24	By Ms. Camp 896

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	993		995
1 '	<u>WITNESS</u> <u>DIRECT CROSS REDIRECT</u>		
2	Kevin M. Matson	1 C	ommonwealth of Pennsylvania
	By Ms. Camp 913 943	2 C	hester County
4	By Mr. Adelman 926	3	
1 (Stephen D. Dadio	4	GERMAN OF PRODUCE
6	By Ms. Camp 945 984	6	CERTIFICATE OF REPORTER
1 7	·	7	I, Eleanor J. Schwandt, Registered
8	•	9 м	erit Reporter and Notary Public, do hereby
		9 0	ertify that the foregoing record, pages 805 to
8	()	10 9	94 inclusive, is a true and accurate
10		11 t	ranscript of my stenographic notes taken on
11	<u>EXHIBITS</u>	12 J	une 20, 2017, in the above-captioned matter.
12	PLANNING COMMISSION EXHIBITS	13	
-01:-17:-20 13	PC-2 - Excerpt of book Military History of the	14 15	IN WITNESS WHEREOF, I have hereunto
-01:-17:-18 14	Battle that Lost Philadelphia but Saved		017
	America, pages 314 through 321	17	200
	PC-3 - Minutes from scoping meeting, 4/17/17	18	20 00
17		19	100 Siens
		20	Eleanor J. Schwandt
18		21	
19	,	22	
20	PC-6 - 6/9/17 Goose Creek TMDL and Pollutant	23 24	
21	Reduction Plan	23	
22	PC-7 - Matson CV		
23	PC-8 - 3/23/17 E-mail, Matson to Patriarca		
24	PC-9 - 1/30/17 Matson e-mail to Patriarca		
-			

1	APPLICANT'S EXHIBIT	<u>S</u> .

- 2 A-25 Babbitt CV
- 3 A-26 -Babbitt Fiscal Impact Analysis, 10/13/16
- 4 A-27 Babbitt Fiscal Impact tables (3 tables)

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