



Melanie J. El Atieh
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Facsimile: (717) 531-3399
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November 7, 2016

VIA E-FILING

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
P.O. Box 3265
Harrisburg, PA 17105-3265

Re: Application of Pennsylvania-American Water Company for approval of the right to offer, render, furnish or supply wastewater service to the public in a portion of Fairview Township, York County, Pennsylvania; Docket No. A-2016-2567451

Responses to TUS Data Requests 1

Dear Secretary Chiavetta:

Enclosed for electronic filing on behalf of Pennsylvania-American Water Company ("PAWC") are the responses to the Data Requests 1 of the Bureau of Technical Utility Services Water/Wastewater Division dated October 24, 2016.

Should you have any questions concerning this filing, please contact me. Thank you for your attention to this matter.

Respectfully yours,

Melanie J. El Atieh

Enclosure

Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional
Territory in Fairview Township, York County at Docket No. A-2016-2567451

A-1. The Application's Exhibit C contains a Sewer Main Extension Agreement between PAWC-WD and RDG Marsh Run Associates while the Application's Exhibit E contains a sewer service request letter from Rhodes Development Group, Inc. Please state if RDG Marsh Run Associates is a separate legal entity from Rhodes Development Group, Inc. If so, please describe the relationship between RDG Marsh Run Associates and Rhodes Development Group, Inc.

RESPONSE: **Rhodes Development Group is a limited partner in the RDG-Marsh Run Associates partnership.**

Response Witness: Scott Armbrust
Title: Engineering Project Manager

Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional
Territory in Fairview Township, York County at Docket No. A-2016-2567451

A-2. The Application notes that the cost of the proposed sewer main Extension to the Tall Oaks Development will be approximately \$100,000. Please provide a detailed cost breakdown for this estimate that includes unit descriptions, unit quantities, unit quantity costs as well as extended costs.

RESPONSE:

**Tall Oaks
Sanitary Sewer Cost Estimate**

Item	Quantity	Units	Unit Cost	Total
Cinnect to Existing Sewer	1	LS	\$ 850.00	\$ 850.00
8-Inch SDR 35 Gravity Main	960	LF	\$ 27.00	\$ 25,920.00
6-Inch SDR 35 Gravity Main	600	LF	\$ 26.00	\$ 15,600.00
4-foot Diameter Sanitary Manholes	5	EA	\$ 2,300.00	\$ 11,500.00
2A Stone Backfill	3000	Ton	\$ 12.00	\$ 36,000.00
Trench Paving	60	SY	\$ 120.00	\$ 7,200.00
Engineering and Insprection	1	LS	\$ 3,000.00	\$ 3,000.00
				\$ 100,070.00

Response Witness: Scott Armbrust
Title: Engineering Project Manager

Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional Territory in Fairview Township, York County at Docket No. A-2016-2567451

A-3. Please provide a copy of Exhibit A referenced as an attachment to the Application's Sewer Main Extension Agreement. The subject document was not included as part of the Application's Sewer Main Extension Agreement.

RESPONSE: Attached please find Exhibit A of the Sewer Main Extension Agreement.

Response Witness: Scott Armbrust
Title: Engineering Project Manager

EXHIBIT A

TALL OAKS

DRAWING LIST

WO # _____

The sewer main extension drawings referred to as Exhibit "A" in the agreement were prepared by:

Company Name

R.J. Fisher & Associates

Company Address

1546 Bridge Street

New Cumberland, PA 17070

Phone and Fax

(717) 774-7534

(717) 774-7190

The drawing information is as follows:

Plan Date: 4/2/15

Latest Revision: 4/2/15

Total Number of Sheets: 15

Project Number: _____

ATTACHED TO THIS EXHIBIT, COPY OF THE SUBDIVISION PLAN PLUS UTILITY PLANS AND DETAILS OF THE SEWER FACILITIES.



PROJECT NO. 10000
 DATE: 10/1/00
 SHEET NO. 1 OF 10
 SCALE: AS SHOWN
 DRAWN BY: R. FISHER
 CHECKED BY: R. FISHER

FINAL SUBDIVISION PLAN FOR TALL OAKS SUBDIVISION LOCATED IN FAIRVIEW TOWNSHIP, YORK COUNTY, PA

SITE DATA:
 1. Project Name: Tall Oaks Subdivision
 2. Location: Fairview Township, York County, PA
 3. Acreage: 10.00
 4. Zoning: R-1
 5. Submitter: R. J. Fisher & Associates, Inc.
 6. Date: 10/1/00

ZONING REQUIREMENTS
 1. Minimum Lot Area: 1.00 acre
 2. Minimum Lot Width: 100 feet
 3. Minimum Lot Depth: 100 feet
 4. Maximum Building Coverage: 25%
 5. Maximum Building Height: 35 feet
 6. Maximum Building Footprint: 10,000 sq. ft.
 7. Maximum Building Setback: 10 feet



LOCATION MAP 1" = 1000'

GENERAL NOTES:
 1. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 2. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 3. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 4. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 5. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 6. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 7. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 8. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 9. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.
 10. The owner warrants that the information provided in this plan is true and correct to the best of their knowledge.

DRAWING INDEX	
SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL CONDITIONS & SPECIFICATIONS
3	PROPOSED PLAN
4	EXISTING PLAN
5	PROPOSED PLAN
6	PROPOSED PLAN
7	PROPOSED PLAN
8	PROPOSED PLAN
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50	PROPOSED PLAN

REQUESTED WAIVERS

SECTION	DESCRIPTION	REASON	APPROVED
1	Section 101.01	Section 101.01	Yes
2	Section 101.02	Section 101.02	Yes
3	Section 101.03	Section 101.03	Yes
4	Section 101.04	Section 101.04	Yes
5	Section 101.05	Section 101.05	Yes
6	Section 101.06	Section 101.06	Yes
7	Section 101.07	Section 101.07	Yes
8	Section 101.08	Section 101.08	Yes
9	Section 101.09	Section 101.09	Yes
10	Section 101.10	Section 101.10	Yes
11	Section 101.11	Section 101.11	Yes
12	Section 101.12	Section 101.12	Yes
13	Section 101.13	Section 101.13	Yes
14	Section 101.14	Section 101.14	Yes
15	Section 101.15	Section 101.15	Yes
16	Section 101.16	Section 101.16	Yes
17	Section 101.17	Section 101.17	Yes
18	Section 101.18	Section 101.18	Yes
19	Section 101.19	Section 101.19	Yes
20	Section 101.20	Section 101.20	Yes
21	Section 101.21	Section 101.21	Yes
22	Section 101.22	Section 101.22	Yes
23	Section 101.23	Section 101.23	Yes
24	Section 101.24	Section 101.24	Yes
25	Section 101.25	Section 101.25	Yes
26	Section 101.26	Section 101.26	Yes
27	Section 101.27	Section 101.27	Yes
28	Section 101.28	Section 101.28	Yes
29	Section 101.29	Section 101.29	Yes
30	Section 101.30	Section 101.30	Yes
31	Section 101.31	Section 101.31	Yes
32	Section 101.32	Section 101.32	Yes
33	Section 101.33	Section 101.33	Yes
34	Section 101.34	Section 101.34	Yes
35	Section 101.35	Section 101.35	Yes
36	Section 101.36	Section 101.36	Yes
37	Section 101.37	Section 101.37	Yes
38	Section 101.38	Section 101.38	Yes
39	Section 101.39	Section 101.39	Yes
40	Section 101.40	Section 101.40	Yes
41	Section 101.41	Section 101.41	Yes
42	Section 101.42	Section 101.42	Yes
43	Section 101.43	Section 101.43	Yes
44	Section 101.44	Section 101.44	Yes
45	Section 101.45	Section 101.45	Yes
46	Section 101.46	Section 101.46	Yes
47	Section 101.47	Section 101.47	Yes
48	Section 101.48	Section 101.48	Yes
49	Section 101.49	Section 101.49	Yes
50	Section 101.50	Section 101.50	Yes

FAIRVIEW TOWNSHIP - PLAN REVIEW STATEMENT
 I, the undersigned, being a duly qualified and licensed Professional Engineer, do hereby certify that the above described plan and specifications conform to the requirements of the Pennsylvania Subdivision Map Act, Act No. 203 of 1962, and the rules and regulations of the Board of Survey, York County, Pennsylvania, and that the same are in accordance with the provisions of the said Act and the said rules and regulations.

STORMWATER BMP OPERATION, MAINTENANCE AND INSPECTION NOTES:
 1. The owner shall be responsible for the operation, maintenance and inspection of the stormwater BMPs.
 2. The owner shall be responsible for the operation, maintenance and inspection of the stormwater BMPs.
 3. The owner shall be responsible for the operation, maintenance and inspection of the stormwater BMPs.
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 9. The owner shall be responsible for the operation, maintenance and inspection of the stormwater BMPs.
 10. The owner shall be responsible for the operation, maintenance and inspection of the stormwater BMPs.

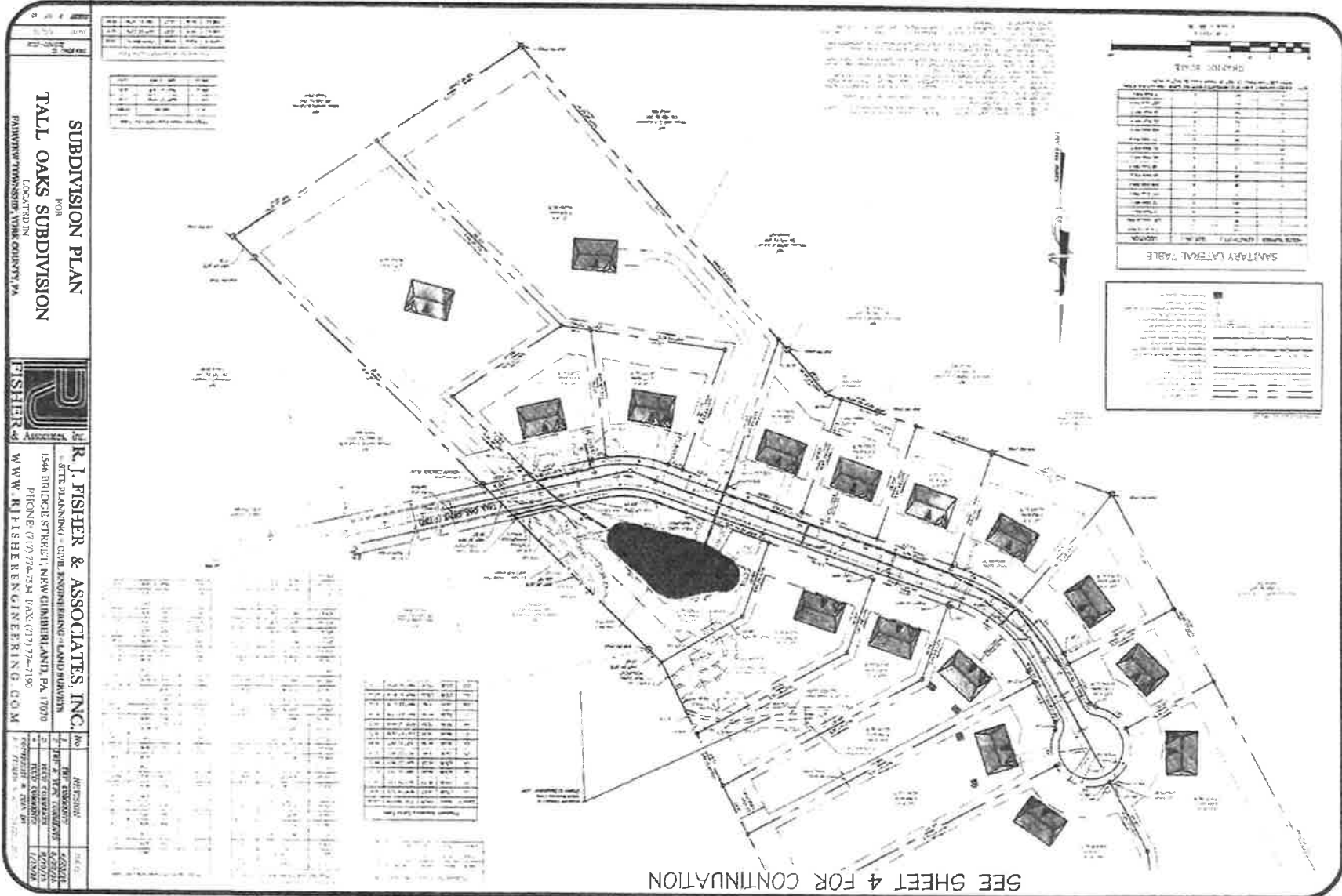
P. EN. APPROVAL - BLOCKS
 I, the undersigned, being a duly qualified and licensed Professional Engineer, do hereby certify that the above described plan and specifications conform to the requirements of the Pennsylvania Subdivision Map Act, Act No. 203 of 1962, and the rules and regulations of the Board of Survey, York County, Pennsylvania, and that the same are in accordance with the provisions of the said Act and the said rules and regulations.

DESIGN ENGINEER
 R. J. FISHER & ASSOCIATES, INC.
 1546 BRIDGE STREET, NEW CUMBERLAND, PA 17070
 PHONE: (717) 774-7534 FAX: (717) 774-7190
 WWW.RJFISHERENGINEERING.COM

EQUITABLE OWNER / APPLICANT
 R. J. FISHER & ASSOCIATES, INC.
 1546 BRIDGE STREET, NEW CUMBERLAND, PA 17070
 PHONE: (717) 774-7534 FAX: (717) 774-7190
 WWW.RJFISHERENGINEERING.COM

R. J. FISHER & ASSOCIATES, INC.
 • SITE PLANNING • CIVIL ENGINEERING • LAND SURVEYS
 1546 BRIDGE STREET, NEW CUMBERLAND, PA 17070
 PHONE: (717) 774-7534 FAX: (717) 774-7190
 WWW.RJFISHERENGINEERING.COM

NO.	REVISION	DATE	DRAWING ID
1	REV. COMMENTS	4/22/01	215007-001
2	REV. COMMENTS	5/22/01	
3	REV. COMMENTS	6/22/01	
4	REV. COMMENTS	1/23/02	



SEE SHEET 4 FOR CONTINUATION

DRAWING SCALE

1" = 100'	1" = 200'	1" = 300'	1" = 400'	1" = 500'	1" = 600'	1" = 700'	1" = 800'	1" = 900'	1" = 1000'
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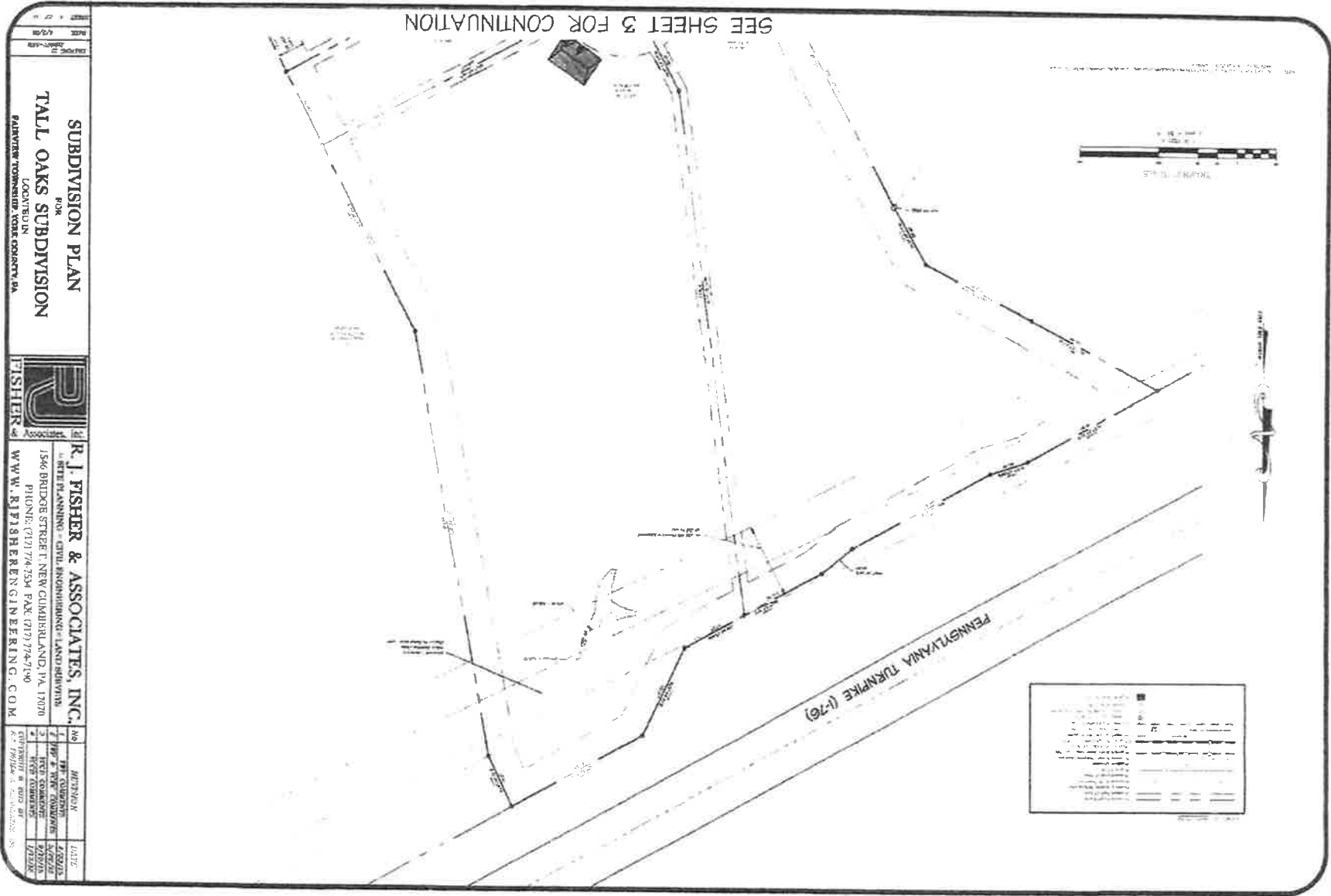
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2	1200	12	18	100	10	1
3	1400	12	18	100	10	1
4	1600	12	18	100	10	1
5	1800	12	18	100	10	1
6	2000	12	18	100	10	1
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8	2400	12	18	100	10	1
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10	2800	12	18	100	10	1
11	3000	12	18	100	10	1
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13	3400	12	18	100	10	1
14	3600	12	18	100	10	1
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16	4000	12	18	100	10	1
17	4200	12	18	100	10	1
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20	4800	12	18	100	10	1
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24	5600	12	18	100	10	1
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26	6000	12	18	100	10	1
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28	6400	12	18	100	10	1
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32	7200	12	18	100	10	1
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34	7600	12	18	100	10	1
35	7800	12	18	100	10	1
36	8000	12	18	100	10	1
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38	8400	12	18	100	10	1
39	8600	12	18	100	10	1
40	8800	12	18	100	10	1
41	9000	12	18	100	10	1
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43	9400	12	18	100	10	1
44	9600	12	18	100	10	1
45	9800	12	18	100	10	1
46	10000	12	18	100	10	1

SUBDIVISION PLAN
FOR
TALL OAKS SUBDIVISION
 TALLEMERE TOWNSHIP, WYOMING COUNTY, PA.

R. J. FISHER & ASSOCIATES, INC.
 SITE PLANNING - CIVIL ENGINEERING - LAND SURVEYING
 1546 BRIDGE STREET, NEW GIBBSBURG, PA. 17070
 PHONE: (717) 774-7334 FAX: (717) 774-7199
 WWW.RJFISHERENGINEERING.COM

NO.	DATE	DESCRIPTION	BY	CHECKED
1	10/1/00	PRELIMINARY PLAN	RJF	WJF
2	10/1/00	FINAL PLAN	RJF	WJF



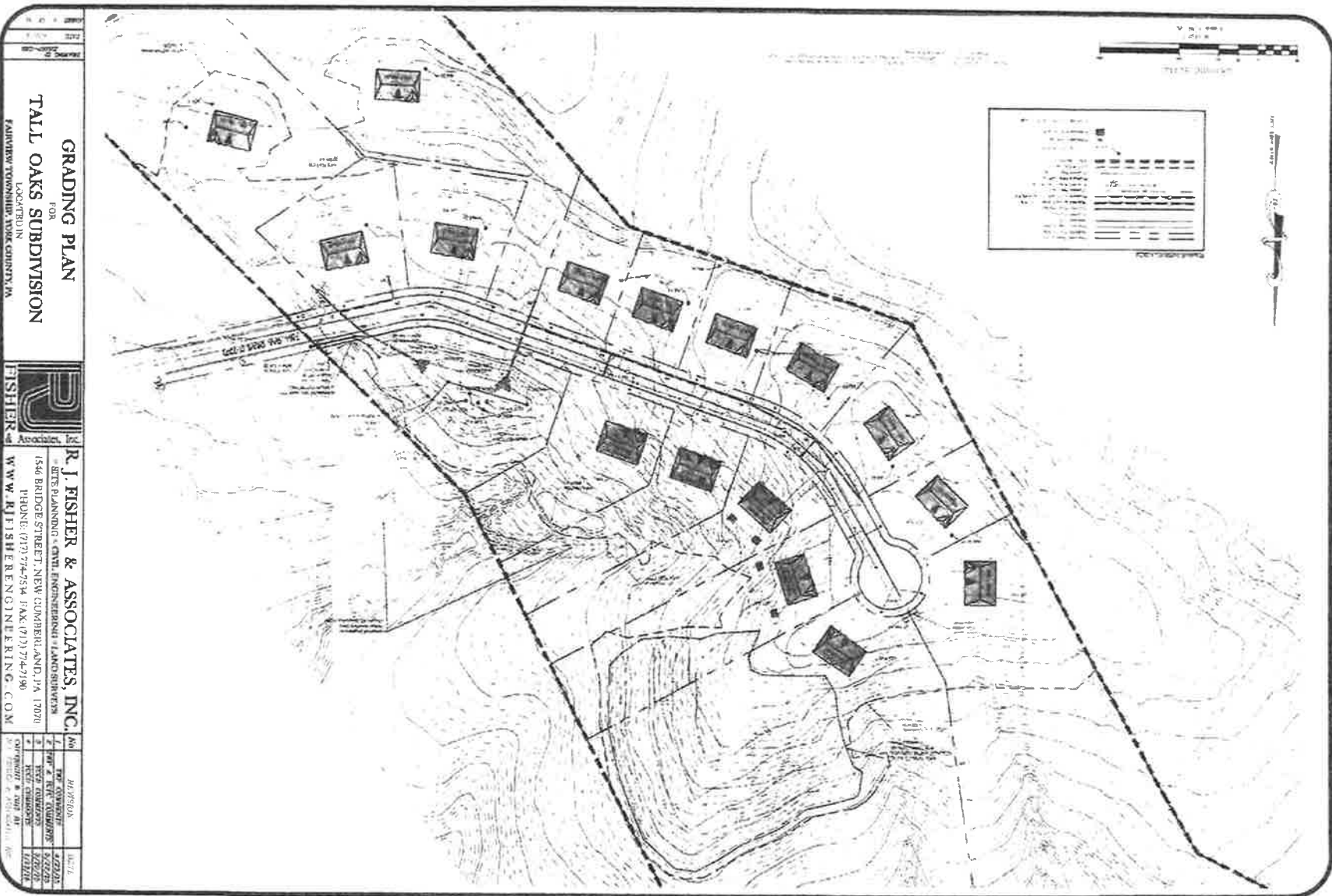
DATE: 4-2-04
 SHEET NO: 1 OF 3

SUBDIVISION PLAN
 FOR
TALL OAKS SUBDIVISION
 LOCATED IN
 PART OF TOWNSHIP, YORK COUNTY, PA



R. J. FISHER & ASSOCIATES, INC.
 AN EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION EMPLOYER
 1546 BRIDGE STREET NEW CUMBERLAND, PA 17070
 PHONE: (717) 794-7594 FAX: (717) 794-7190
 WWW.RJFISHERENGINEERING.COM

NO.	REVISION	DATE
1	1ST SUBMITTAL	4/2/04
2	1ST TOWNSHIP	4/2/04
3	1ST COUNTY	4/2/04
4	1ST STATE	4/2/04

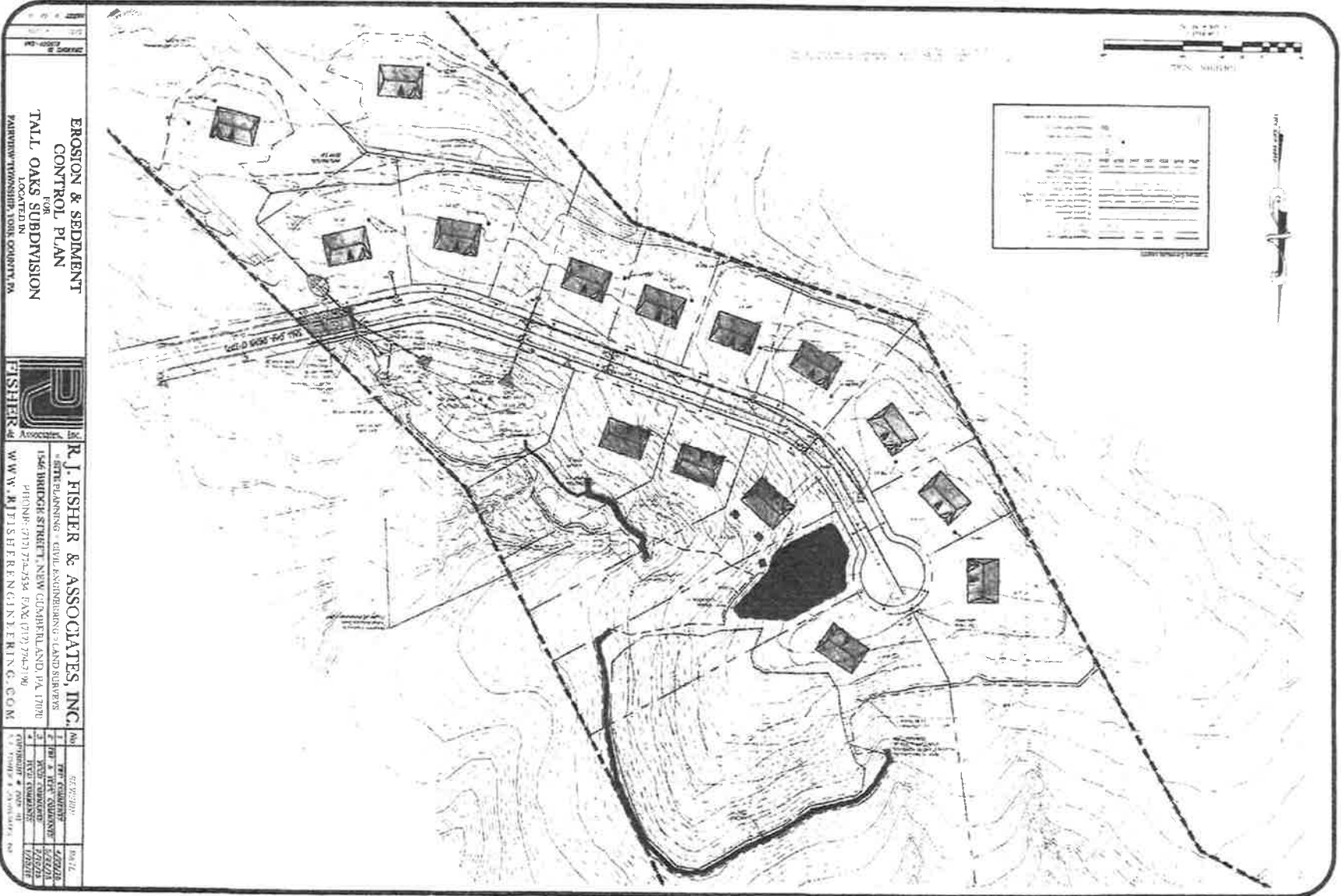


GRADING PLAN
FOR
TALL OAKS SUBDIVISION
LOCATED IN
FAIRVIEW TOWNSHIP, YORK COUNTY, PA.



R. J. FISHER & ASSOCIATES, INC.
SITE PLANNING • CIVIL ENGINEERING • LANDSCAPE ARCHITECTURE
1546 BRIDGE STREET, NEW CUMBERLAND, PA 17070
PHONE: (717) 774-7534 FAX: (717) 774-7190
WWW.RJFISHERENGINEERING.COM

NO.	DESCRIPTION	DATE
1	PRELIMINARY	1/2001
2	FINAL	1/2001
3	AS SHOWN	1/2001
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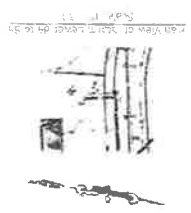
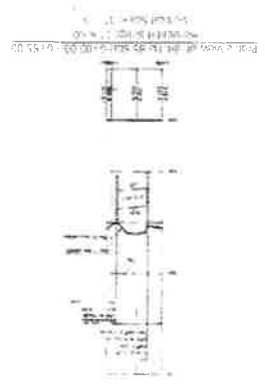
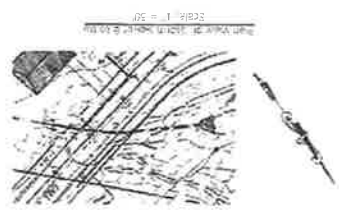
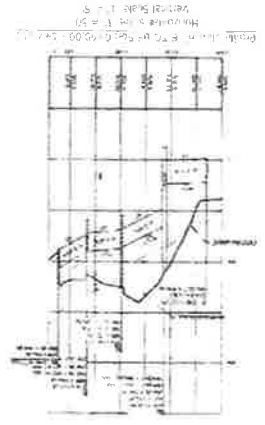
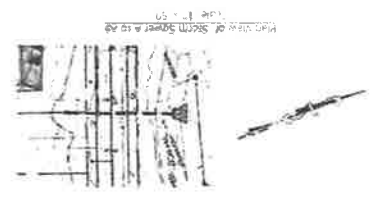
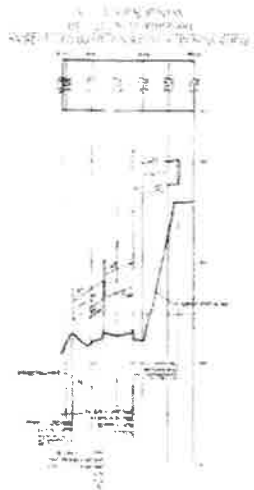


EROSION & SEDIMENT CONTROL PLAN FOR TALL OAKS SUBDIVISION LOCATED IN FAIRVIEW TOWNSHIP, YORK COUNTY, VA



R. J. FISHER & ASSOCIATES, INC.
 SITE PLANNING • CIVIL ENGINEERING • LAND SURVEYING
 1546 BRIDGE STREET, NEW GARDNER, VA 11700
 PHONE: (717) 751-2554 FAX: (717) 794-2190
 WWW.RJFISHERENGINEERING.COM

No.	SECTION	DATE
1	PRELIMINARY	1/2004
2	FOR PERMITS	1/2004
3	REVISED	1/2004
4	REVISED	1/2004
5	REVISED	1/2004

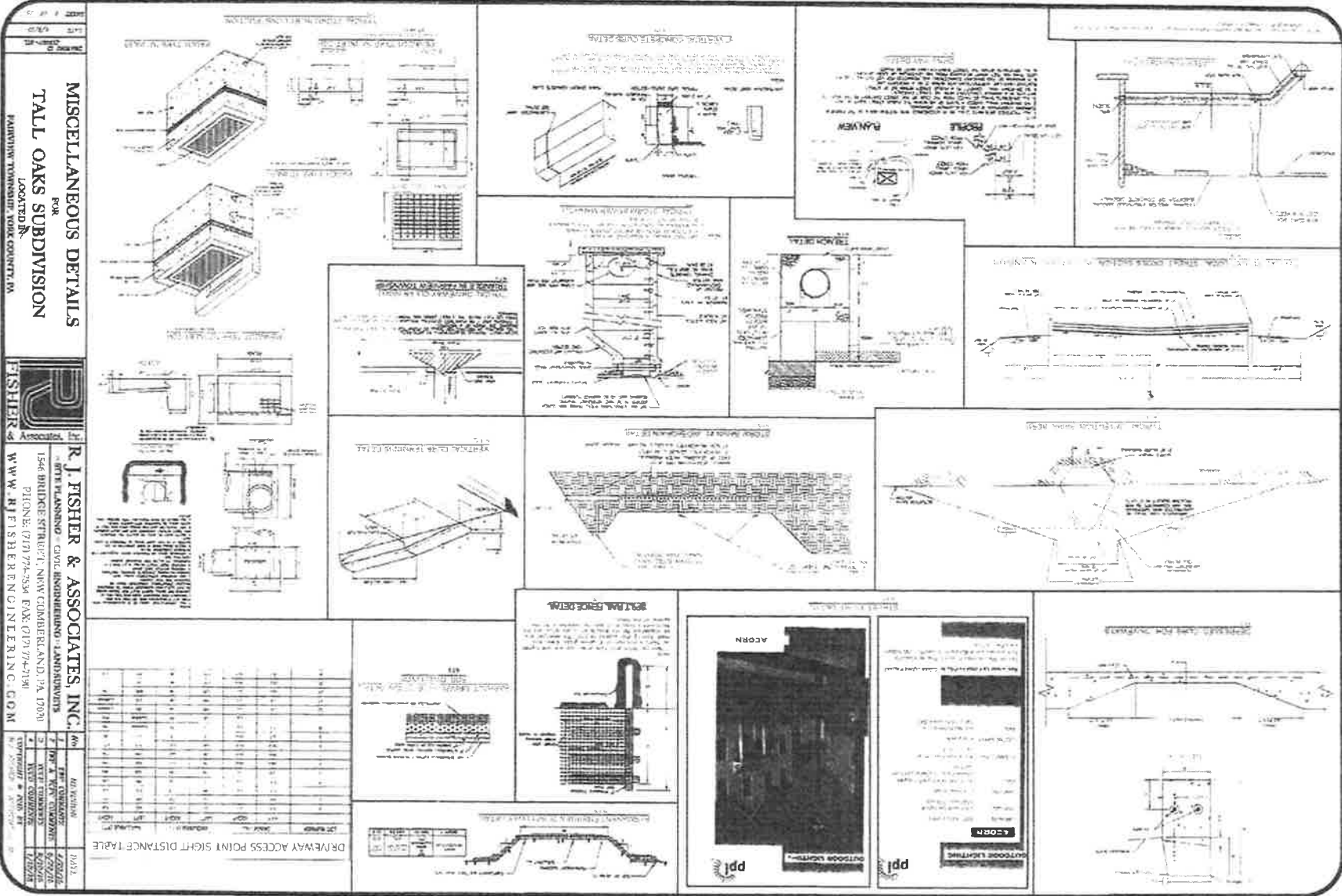


PLAN & PROFILE OF MISC.
STORM SEWERS
FOR
TALL OAKS SUBDIVISION
LOCATED IN
VALENTIUM TOWNSHIP, YORK COUNTY, PA.



R. J. FISHER & ASSOCIATES, INC.
1546 BRIDGE STREET, NEW GERMANTOWN, PA. 17070
PHONE: (717) 794-7354 FAX: (717) 794-1190
WWW.RJFISHERENGINEERING.COM

NO.	DATE	DESCRIPTION	BY
1	08/14/2010	PRELIMINARY	RF
2	08/14/2010	REV. COMMENTS	RF
3	08/14/2010	REV. COMMENTS	RF
4	08/14/2010	REV. COMMENTS	RF



MISCELLANEOUS DETAILS
 FOR
TALL OAKS SUBDIVISION
 LOCATED IN
 PALMYRA TOWNSHIP, YORK COUNTY, PA



R. J. FISHER & ASSOCIATES, INC.
 1546 BRIDGE STREET, NEW CUMBERLAND, PA 17098
 PHONE: (717) 774-5544 FAX: (717) 742-1700
 WWW.RJFISHERENGINEERING.COM

NO.	DESCRIPTION	DATE
1	PREPARED BY	04/11
2	REVISED BY	
3	APPROVED BY	
4	DATE	

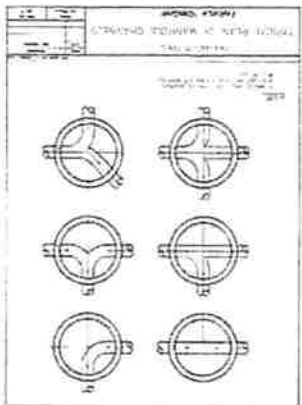
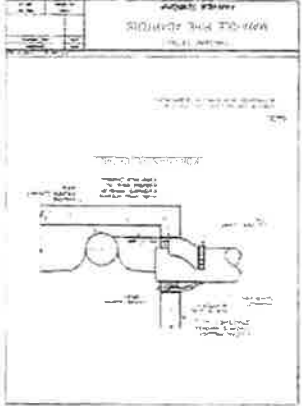
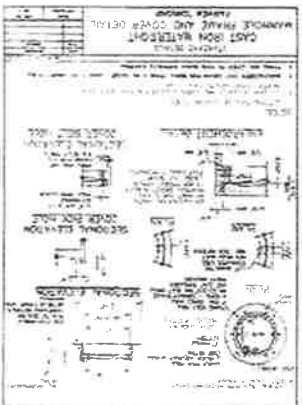
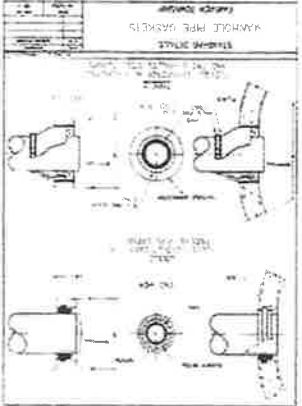
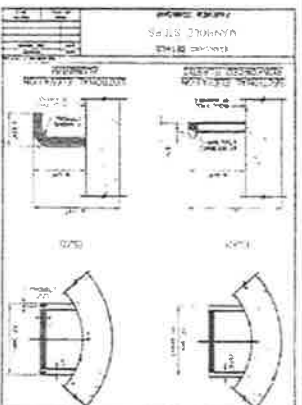
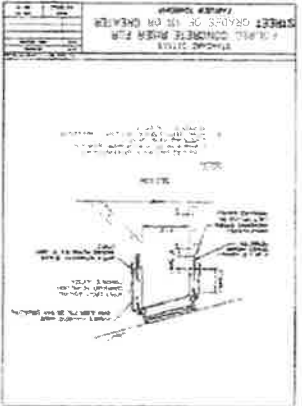
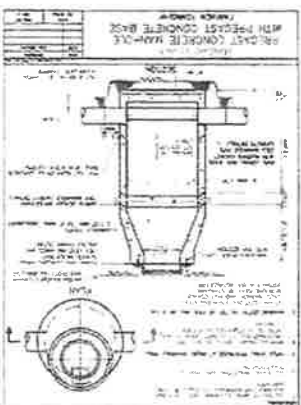
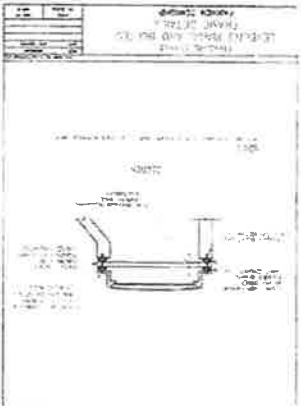
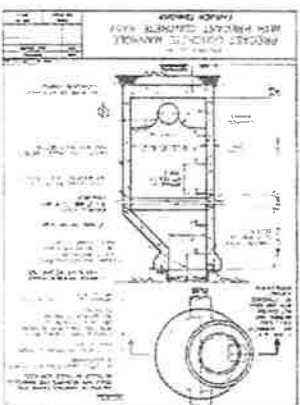
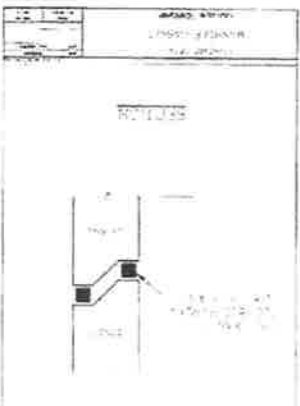
DRIVEWAY ACCESS POINT SIGHT DISTANCE TABLE

DRIVEWAY WIDTH (ft)	MINIMUM SIGHT DISTANCE (ft)
10	100
12	120
14	140
16	160
18	180
20	200
22	220
24	240
26	260
28	280
30	300
32	320
34	340
36	360
38	380
40	400
42	420
44	440
46	460
48	480
50	500

ACORN
 OUTDOOR LIGHTING

ACORN
 OUTDOOR LIGHTING

ACORN
 OUTDOOR LIGHTING

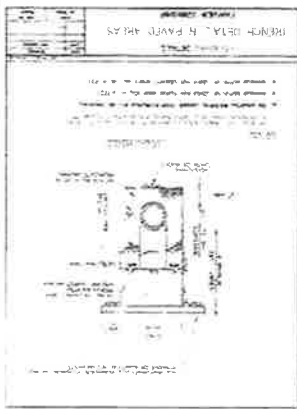
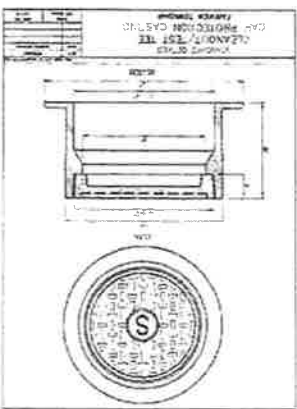
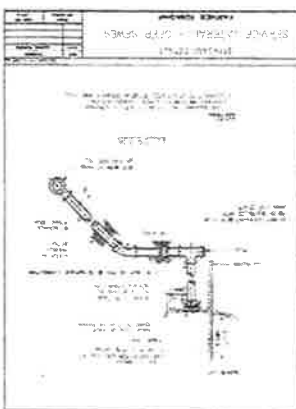
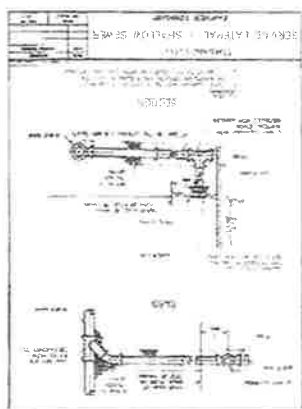


SANITARY SEWER DETAILS
FOR
TALL OAKS SUBDIVISION
LOCATION: 10047718
FAHNEY TOWNHIP, YORK COUNTY, PA

R.J. FISHER & ASSOCIATES, INC.
1546 BRIDGEB STREET, NEW CUMBERLAND, PA 17070
PHONE: (717) 794-7254 FAX: (717) 794-7190
WWW.RJFISHERENGINEERING.COM

NO.	REVISION	DATE
1	REV. COMPLETE	4/20/04
2	REV. 3' VERTICAL	5/20/04
3	REV. CHAMBER	5/20/04
4	REV. CHAMBER	1/22/05
5	REV. CHAMBER	1/22/05

FISHER



<p>DATE: 11/11/11 DRAWN BY: J. FISHER CHECKED BY: J. FISHER PROJECT: TALL OAKS SUBDIVISION</p>	
<p>SANTARY SEWER DETAILS FOR TALL OAKS SUBDIVISION LOCATION: FAIRBURY TOWNSHIP, TOWN OF COULTER, PA.</p>	
<p>FISHER Associates</p>	
<p>R. J. FISHER & ASSOCIATES, INC. SITE PLANNING • CIVIL ENGINEERING • LAND SURVEYING 1546 BUDDOCK STREET, NEW COMBERLAND, PA 17070 PHONE: (717) 724-7154 FAX: (717) 724-7190 WWW.RJFISHERENGINEERING.COM</p>	
<p>NO. 1</p>	<p>REVISIONS</p>
<p>2</p>	<p>DATE</p>
<p>3</p>	<p>BY</p>
<p>4</p>	<p>APP'D</p>
<p>5</p>	<p>DATE</p>
<p>6</p>	<p>BY</p>
<p>7</p>	<p>APP'D</p>
<p>8</p>	<p>DATE</p>
<p>9</p>	<p>BY</p>
<p>10</p>	<p>APP'D</p>
<p>11</p>	<p>DATE</p>
<p>12</p>	<p>BY</p>
<p>13</p>	<p>APP'D</p>
<p>14</p>	<p>DATE</p>
<p>15</p>	<p>BY</p>
<p>16</p>	<p>APP'D</p>
<p>17</p>	<p>DATE</p>
<p>18</p>	<p>BY</p>
<p>19</p>	<p>APP'D</p>
<p>20</p>	<p>DATE</p>

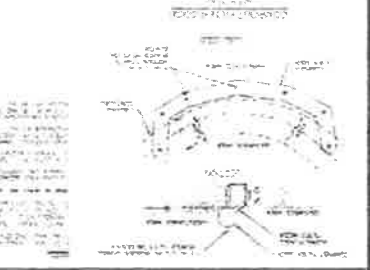
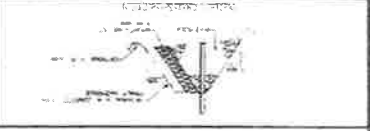
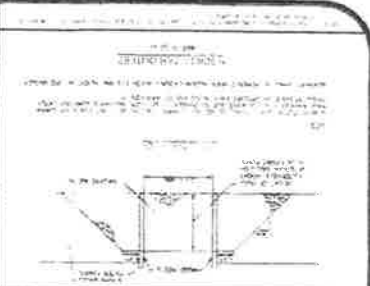


FIGURE 4
FOUNDATION DETAIL

SECTION 1.1 FOUNDATION DETAIL

SECTION 1.2 FOUNDATION DETAIL

SECTION 1.3 FOUNDATION DETAIL

SECTION 1.4 FOUNDATION DETAIL

SECTION 1.5 FOUNDATION DETAIL

SECTION 1.6 FOUNDATION DETAIL

SECTION 1.7 FOUNDATION DETAIL

SECTION 1.8 FOUNDATION DETAIL

SECTION 1.9 FOUNDATION DETAIL

SECTION 1.10 FOUNDATION DETAIL

SECTION 1.11 FOUNDATION DETAIL

SECTION 1.12 FOUNDATION DETAIL

SECTION 1.13 FOUNDATION DETAIL

SECTION 1.14 FOUNDATION DETAIL

SECTION 1.15 FOUNDATION DETAIL

SECTION 1.16 FOUNDATION DETAIL

SECTION 1.17 FOUNDATION DETAIL

SECTION 1.18 FOUNDATION DETAIL

SECTION 1.19 FOUNDATION DETAIL

SECTION 1.20 FOUNDATION DETAIL

FIGURE 5
FOUNDATION DETAIL

NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
1	CONCRETE	100	CU YD	100.00	100.00
2	REINFORCEMENT	100	LB	100.00	100.00
3	FORMWORK	100	SQ YD	100.00	100.00
4	PAINT	100	GA	100.00	100.00
5	LABOR	100	HOUR	100.00	100.00
6	TRANSPORTATION	100	TRUCK	100.00	100.00
7	INSURANCE	100	DAY	100.00	100.00
8	PERMITS	100	DAY	100.00	100.00
9	TESTING	100	TEST	100.00	100.00
10	CONTINGENCY	100	PERCENT	100.00	100.00
11	TOTAL				1000.00

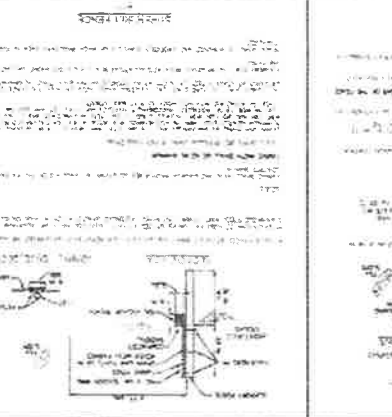
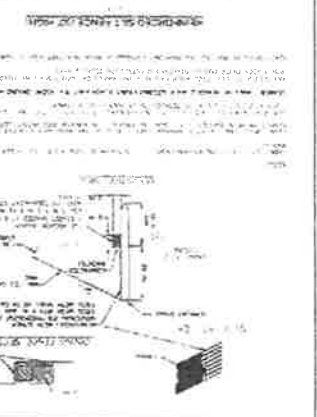
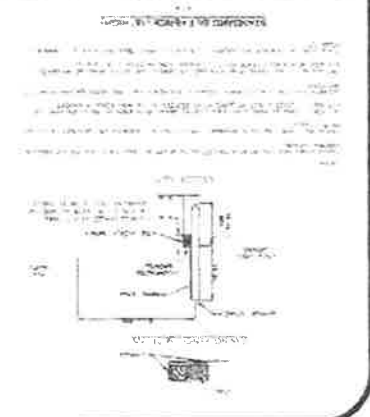
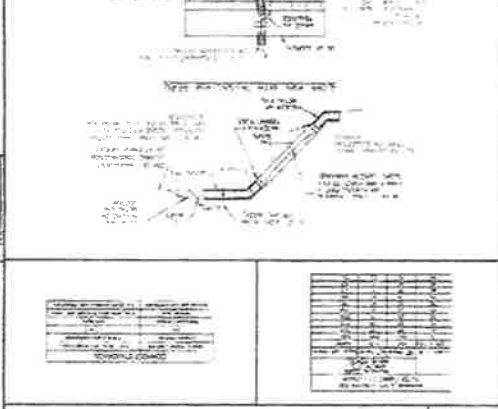
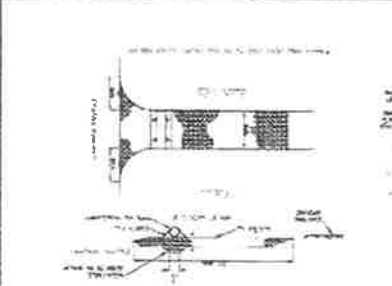


FIGURE 13
FOUNDATION DETAIL

NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
1	CONCRETE	100	CU YD	100.00	100.00
2	REINFORCEMENT	100	LB	100.00	100.00
3	FORMWORK	100	SQ YD	100.00	100.00
4	PAINT	100	GA	100.00	100.00
5	LABOR	100	HOUR	100.00	100.00
6	TRANSPORTATION	100	TRUCK	100.00	100.00
7	INSURANCE	100	DAY	100.00	100.00
8	PERMITS	100	DAY	100.00	100.00
9	TESTING	100	TEST	100.00	100.00
10	CONTINGENCY	100	PERCENT	100.00	100.00
11	TOTAL				1000.00

EROSION & SEDIMENT CONTROL DETAILS
FOR
TALL OAKS SUBDIVISION
LOCATED IN
FAIRVIEW TOWNSHIP, YORK COUNTY, PA



R. J. FISHER & ASSOCIATES, INC.
CIVIL ENGINEERING & LAND SURVEYING
1346 BRIDGE STREET, NEW CUMBERLAND, PA 17090
PHONE: (717) 794-2334 FAX: (717) 774-7190
WWW.RJFISHERENGINEERING.COM

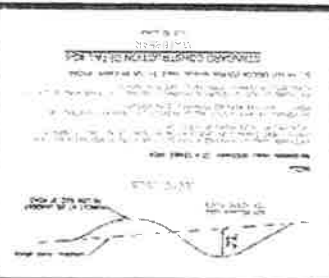
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18	FOR RECORDS	12/20/11
19	FOR RECORDS	12/20/11
20	FOR RECORDS	12/20/11

EROSION & SEDIMENT CONTROL DETAILS
FOR TALL OAKS SUBDIVISION
 1/SECTION 10
 FARMINGTON, YORK COUNTY, PA.

R. J. FISHER & ASSOCIATES, INC.
 1540 RIDGEBY STREET, NEW CUMBERLAND, PA. 17070
 PHONE: (717) 774-7541 FAX: (717) 774-7190
 WWW.RJFISHERENGINEERING.COM

NO.	REVISION	DATE
1	ISSUE FOR PERMITS	02/20/14
2	REVISED PER COMMENTS	02/20/14
3	REVISED PER COMMENTS	02/20/14
4	REVISED PER COMMENTS	02/20/14
5	REVISED PER COMMENTS	02/20/14

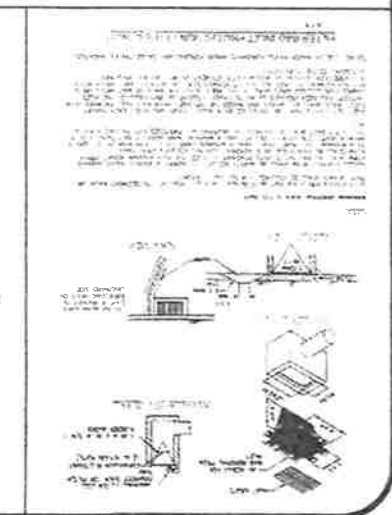
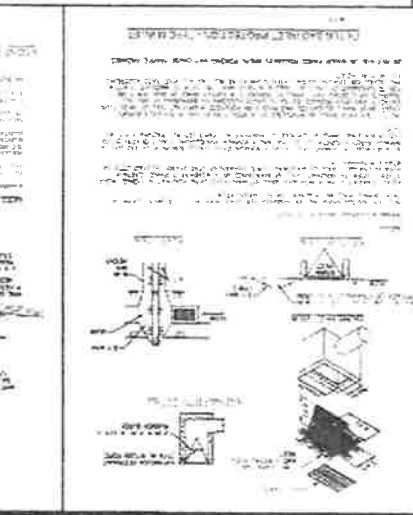
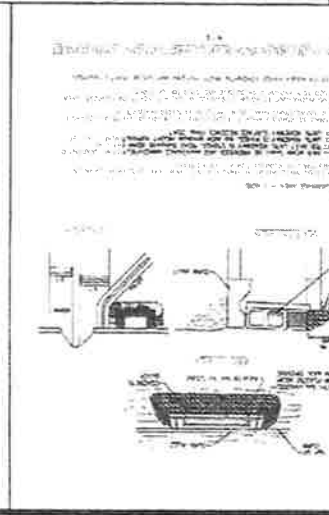
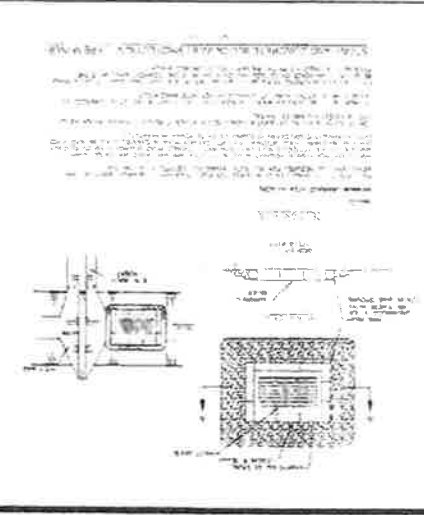
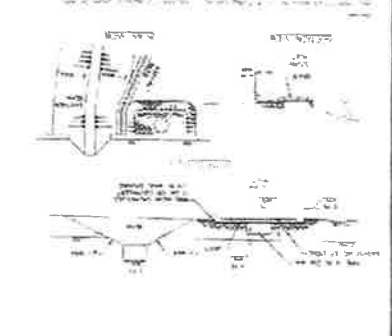
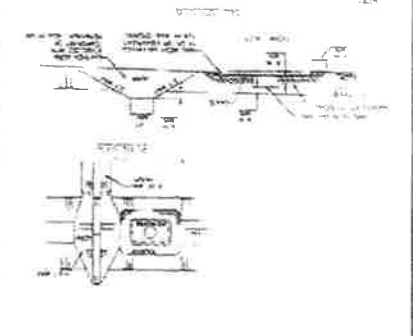
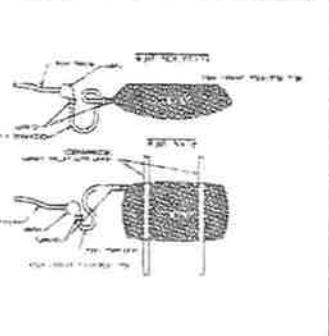
SECTION 10
 EROSION & SEDIMENT CONTROL DETAILS
 FOR TALL OAKS SUBDIVISION
 1/SECTION 10
 FARMINGTON, YORK COUNTY, PA.



SECTION 10
 EROSION & SEDIMENT CONTROL DETAILS
 FOR TALL OAKS SUBDIVISION
 1/SECTION 10
 FARMINGTON, YORK COUNTY, PA.

SECTION 10
 EROSION & SEDIMENT CONTROL DETAILS
 FOR TALL OAKS SUBDIVISION
 1/SECTION 10
 FARMINGTON, YORK COUNTY, PA.

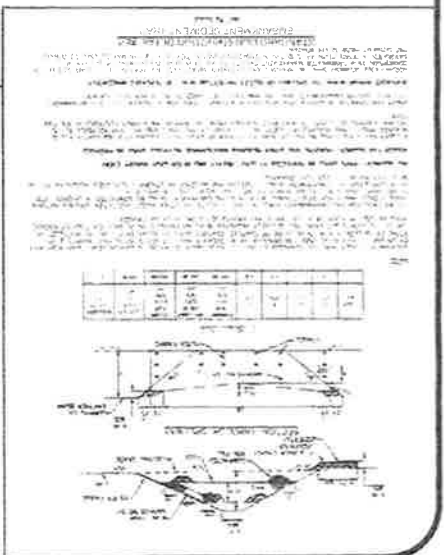
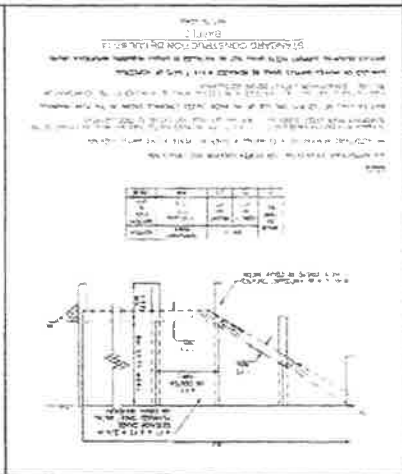
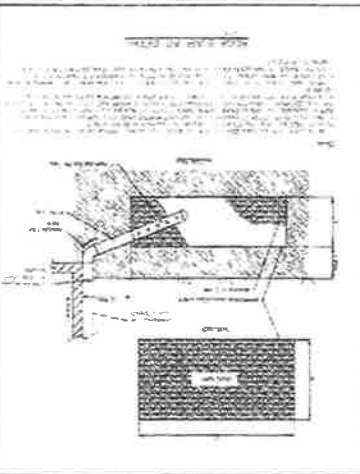
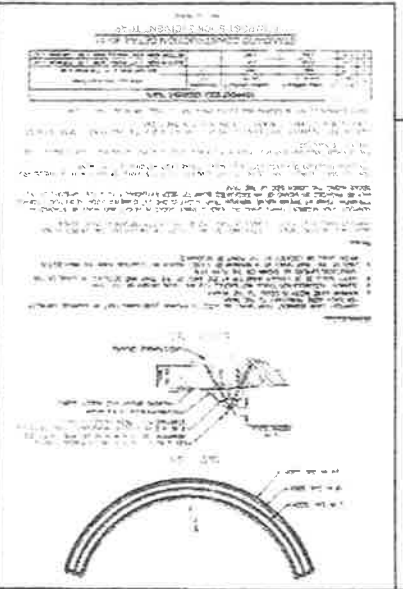
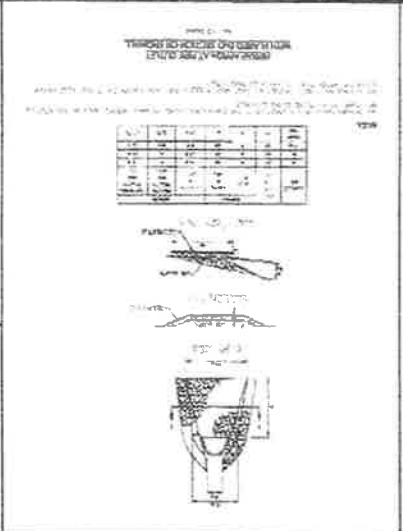
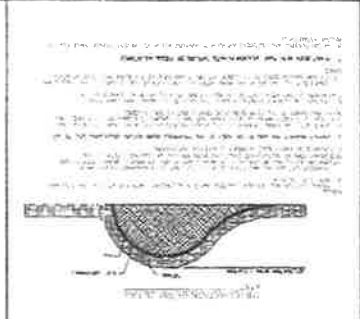
SECTION 10
 EROSION & SEDIMENT CONTROL DETAILS
 FOR TALL OAKS SUBDIVISION
 1/SECTION 10
 FARMINGTON, YORK COUNTY, PA.



EROSION & SEDIMENT CONTROL DETAILS
 FOR
TALL OAKS SUBDIVISION
 LACKAWONNIE, ILLINOIS
 FARMINGTON TOWNSHIP, TOWN OF COOK COUNTY, ILL.

R. J. FISHER & ASSOCIATES, INC.
 SITE PLANNING • CIVIL ENGINEERING • LAND SURVEYING
 1546 BRIDGE STREET, NEW CHAMBERLAND, PA. 17070
 PHONE (717) 794-7594 FAX (717) 794-7190
 WWW.RJFISHERENGINEERING.COM

NO.	DATE	DESCRIPTION
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2	08/11/03	REVISED
3	08/11/03	REVISED
4	08/11/03	REVISED
5	08/11/03	REVISED
6	08/11/03	REVISED
7	08/11/03	REVISED
8	08/11/03	REVISED
9	08/11/03	REVISED
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100	08/11/03	REVISED



Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional
Territory in Fairview Township, York County at Docket No. A-2016-2567451

A-4. Please provide a copy of Exhibit B referenced as an attachment to the Application's Sewer Main Extension Agreement. The subject document was not included as part of the Application's Sewer Main Extension Agreement.

RESPONSE: Attached please find Exhibit B to the Sewer Main Extension Agreement.

Response Witness: Scott Armbrust
Title: Engineering Project Manager

EXHIBIT B

TALL OAKS

SUMMARY OF COST
WO# _____

The following estimate is to be incorporated into the Sewer Main Extension Agreement for this project. The basis for the costs is from a cost proposal submitted by the Developer, which was received from his Contractor and is attached hereto. The Developer will submit a signed Contract with the Contractor to PAWC when available. The costs represent on site and off site work.

Estimated Construction Cost for Sewer Main	\$	<u>97,890</u>
Estimated PAWC Inspection, Administration, Engineering, Legal and As-Built Survey, per Paragraph 2	\$	<u>10,000</u>
Total	\$	<u>107,890</u>

The above costs do not represent the costs associated with capacity fees or inspection fees. These costs will be determined at the time of application for service and will be based on the PAWC schedule of rates and charges in effect at that time. The following is a summary of charges in effect as of the date shown above. Depending on the location of the development, additional charges or fees may apply.

Connection Charges per Residence:

PAWC Capacity Reservation Fees	\$	In accordance with tariff
PAWC Connection Fee	\$	In accordance with tariff



1300 Market Street
Suite 202A
Lemoyne, PA 17043
PH. (717) 730-5454
FAX (717) 612-1917

PA American Water Mechanicsburg
852 Wesley Drive
Mechanicsburg PA 17055
Attn: Ron Felker
Ronald.Felker@amwater.com

Dated: March 18, 2016

Estimate: Tall Oaks Subdivision - Sanitary Main & Laterals
Tall Oak Drive
New Cumberland, Pa 17070

Estimated Cost for the following work.

Quantity	Units	Description	Unit Cost	Total Cost
1.0	ls	Connect to Existing	\$ 850.00	\$ 850.00
961.0	lf	8" SDR-35 Sanitary Main	\$ 27.70	\$ 26,619.70
598.0	lf	6" SDR-35 Sanitary Laterals	\$ 26.65	\$ 15,936.70
5.0	ea	4' Dia. Sanitary Manholes	\$ 2,322.72	\$ 11,613.60
2,950.0	tn	2-A Stone Backfill	\$ 12.00	\$ 35,400.00
63.0	sy	Trench Paving	\$ 120.00	\$ 7,560.00

Estimated Cost: \$ 97,980.00

Hampton Construction, Ltd. Contact - Scott Markle 717-554-5112

SITE PREPARATION•SANITARY SEWER•STORM SEWER•WATER LINE•CURB•SIDEWALKS
PAVING•CLEARING AND GRUBBING•EQUIPMENT RENTALS•STAKE OUT•SNOW REMOVAL•PONDS

Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional
Territory in Fairview Township, York County at Docket No. A-2016-2567451

A-5. Please provide a copy of Exhibit C referenced as an attachment to the Application's Sewer Main Extension Agreement. The subject document was not included as part of the Application's Sewer Main Extension Agreement.

RESPONSE: Attached please find Exhibit C to the Sewer Main Extension Agreement.

Response Witness: Scott Armbrust
Title: Engineering Project Manager

EXHIBIT C

NOT REQUIRED

Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional
Territory in Fairview Township, York County at Docket No. A-2016-2567451

A-6. Please identify the diameter of the proposed PVC sewer main extension to be constructed as part of the Tall Oaks Development within the requested additional territory.

RESPONSE: The proposed PVC sewer main extension to be constructed will be 8 inches in diameter.

Response Witness: Scott Armbrust
Title: Engineering Project Manager

Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional
Territory in Fairview Township, York County at Docket No. A-2016-2567451

A-7. Please identify all permits that will be required to construct the proposed
sewer main extension to the Tall Oaks Development.

RESPONSE: The developer for the Tall Oaks Development as acquired an approved
Erosion and Sedimentation Plan and an NPDES Permit. DEP Act 537
Planning approval for the installation of the sewer extension has also
been obtained.

Response Witness: Scott Armbrust
Title: Engineering Project Manager

Pennsylvania-American Water Company's
Responses to the Bureau of Technical Utility Services
Water/Wastewater Division

Data Request 1

Pennsylvania-American Water Company – Wastewater Division Application for Additional Territory in Fairview Township, York County at Docket No. A-2016-2567451


- A-8. Please identify the entity that will provide water service to the proposed Tall Oaks Development within the requested additional territory. If the water service provider will be Pennsylvania-American Water Company (PAWC), please state the docket number that certifies PAWC's provision of water service in the subject area.

RESPONSE: Pennsylvania-American Water Company provides water service within the requested additional territory by Application A-211450F002 and Order dated September 25, 1986, wherein the PUC approved the merger of all the water works property and rights of Riverton Consolidated Water Company to Keystone Water Company. The name of the surviving corporation was changed to Pennsylvania-American Water Company. On December 2, 1988, the PUC issued a Certificate of Public Convenience (Docket No. A-21300, F005) approving the merger of Pennsylvania-American Water Company with and into Western Pennsylvania Water Company. The name of the surviving corporation was changed to Pennsylvania-American Water Company. In addition, the Commission approved, under Docket No. A-212285 (1987), Pennsylvania-American Water Company's acquisition of Red Land Water Company which served a portion of Fairview Township.

Response Witness: Roberta Gautsch
Title: Paralegal

VERIFICATION

I, Scott L. Armbrust, hereby state that the facts above set forth above are true and correct to the best of my knowledge, information and belief, and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements made herein are made subject to the penalties of 18 Pa. Cons. Stat. § 4904 relating to unsworn falsification to authorities.



Scott L. Armbrust, Engineering Project Manager

Dated: 11/7/16