

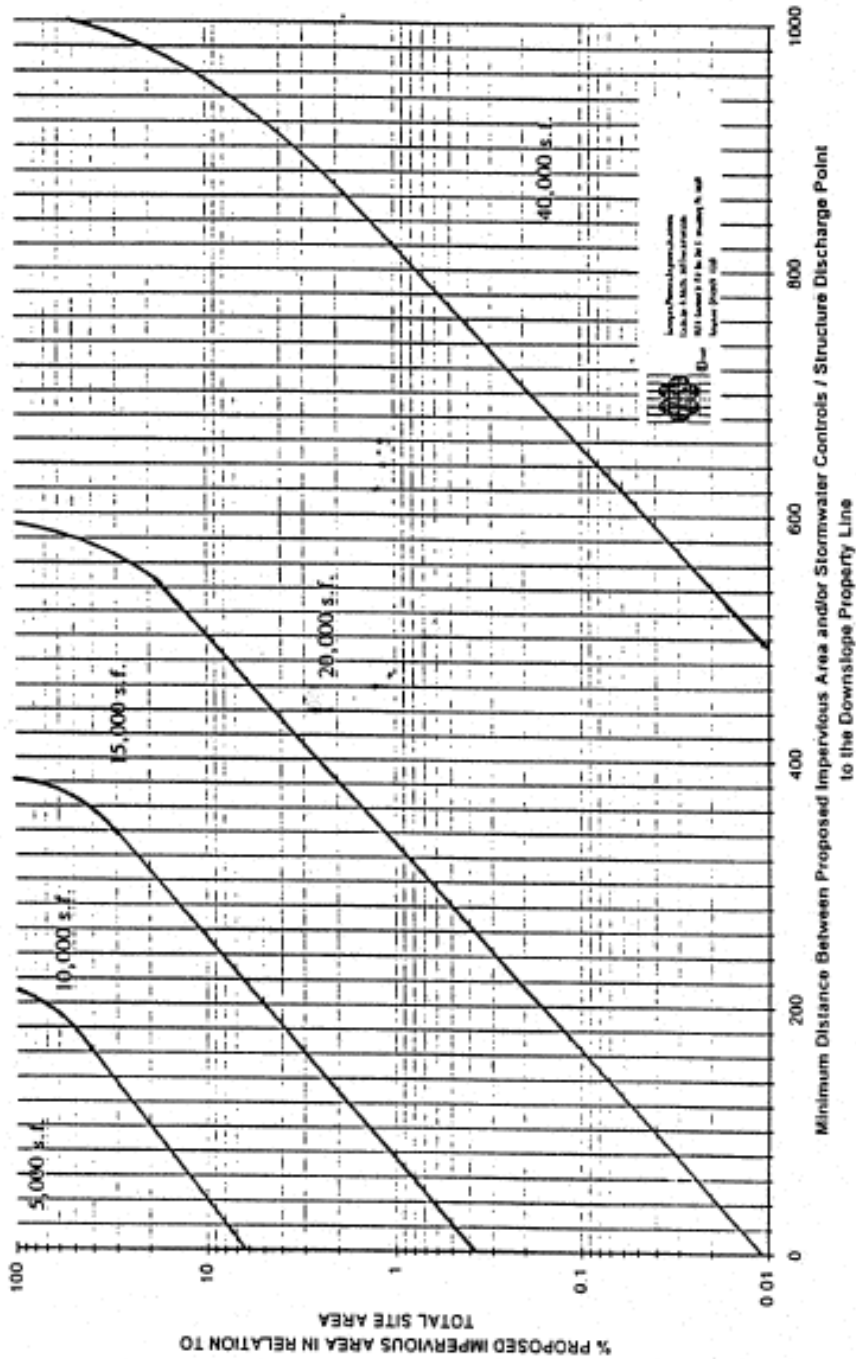
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26 Attachment 1

Township of Sandy

APPENDIX A  
EXEMPTION CRITERIA AND SAMPLES

Figure A-1 Act 167 Stormwater Management Exemption Criteria.



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### Example 1.

20,000 square feet (sf) lot — 9,000 square feet (sf) proposed impervious area is 200 feet from the downslope property line.

$9,000 \text{ square feet} / 20,000 \text{ square feet} = 45\% \text{ impervious area.}$

From Figure A-2 exemption is 10,000 square feet

9,000 square feet < 10,000 square feet therefore exempt from the ordinance.

### Example 2.

50 acre parcel — 30,000 square feet proposed impervious area is 900 feet from the downslope property line.

$30,000 \text{ square feet} / (50 \text{ ac.} \times 43,560 \text{ square feet/ac}) = 1.37\% \text{ impervious area.}$

From Figure A-2 exemption is 40,000 square feet

30,000 square feet < 40,000 square feet therefore exempt from the ordinance.

### Example 3.

5 acre lot — 2 acres proposed to be impervious 100 feet from the downslope property line.

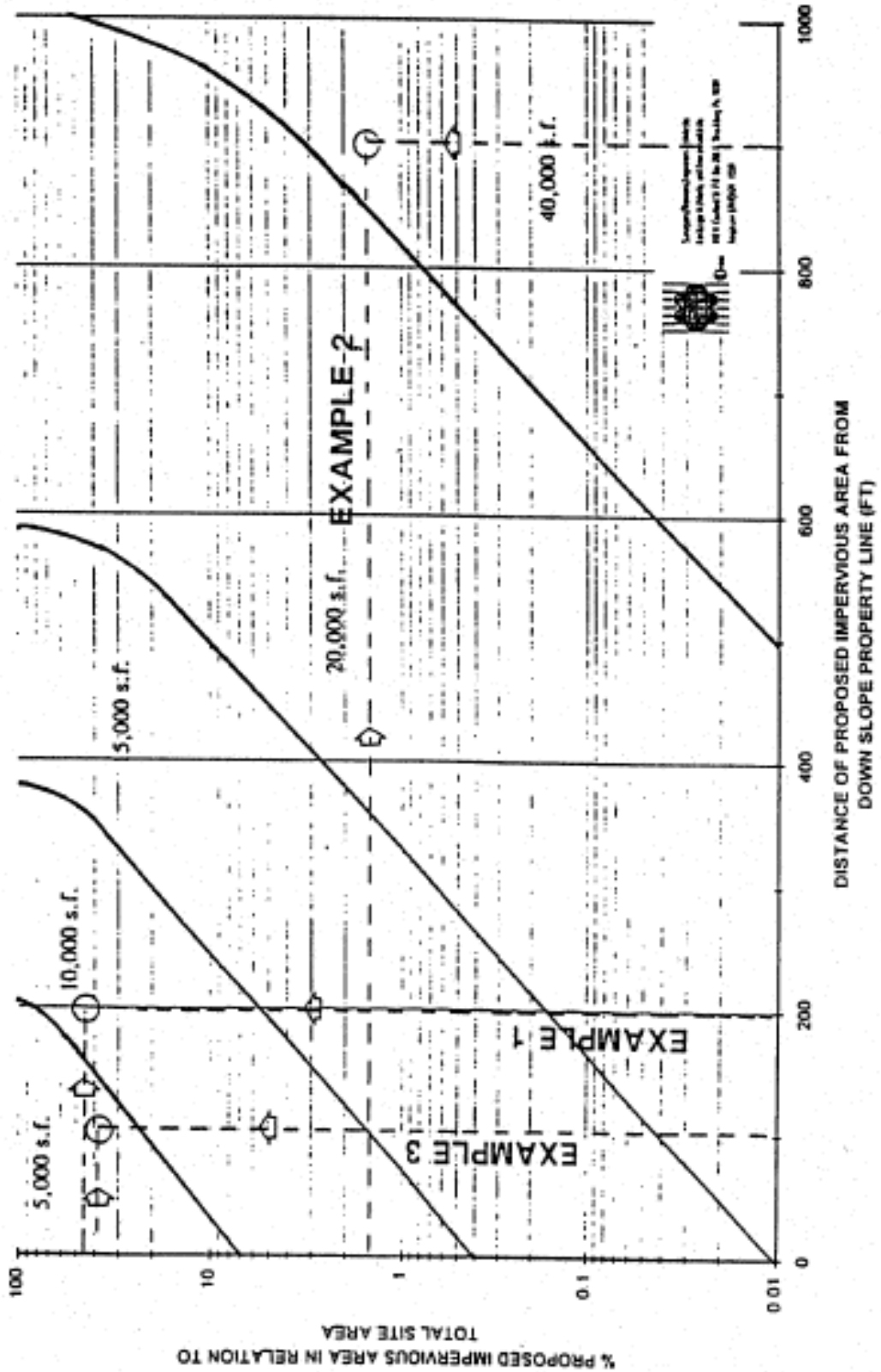
$2 \text{ ac} / 5 \text{ ac} = 40\% \text{ impervious area.}$

From Figure A-2 exemption is 5,000 square feet

2 acres (87,120 square feet) > 5,000 square feet therefore comply with the ordinance or reduce impervious area to 5,000 square feet.

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Figure A-2. Act 167 Stormwater Management Exemption Criteria.



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**ACT 167 STORMWATER MANAGEMENT EXEMPTION CRITERIA**

| <b>Total Parcel Size</b> | <b>Minimum Distance*<br/>(Feet)</b> | <b>Impervious Areas Exempt<br/>from Ordinance</b> |
|--------------------------|-------------------------------------|---|
| <1 acre                  | 0                                   | 5,000 square feet                                 |
| 1-2 acres                | 100                                 | 10,000 square feet                                |
| 2-5 acres                | 250                                 | 15,000 square feet                                |
| >5 acres                 | 500                                 | 20,000 square feet                                |

\*The minimum distance between the proposed impervious area and/or stormwater controls/structure discharge point to the downslope property line.

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**Table B-1. Design Storm Rainfall Amount (Inches)**

| Return 1 Period | Duration |      |      |      |
|-----------------|----------|------|------|------|
|                 | 1        | 6    | 12   | 24   |
| 1               | 0.53     | 0.85 | 1.05 | 1.18 |
| 2               | 1.00     | 1.62 | 1.99 | 2.25 |
| 2.33            | 1.10     | 1.80 | 2.20 | 2.50 |
| 5               | 1.40     | 2.30 | 2.75 | 3.10 |
| 10              | 1.65     | 2.60 | 3.20 | 3.59 |
| 25              | 1.96     | 3.10 | 3.65 | 4.19 |
| 50              | 2.20     | 3.50 | 4.10 | 4.66 |
| 100             | 2.42     | 3.75 | 4.50 | 5.10 |

Source: "Rainfall Duration Frequency Tables for Pennsylvania: PA-DEP, February, 1983. [Ord. No. 2005-7, 12/19/2005]"

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Figure B-1. SCS Type II Rainfall Distribution.

