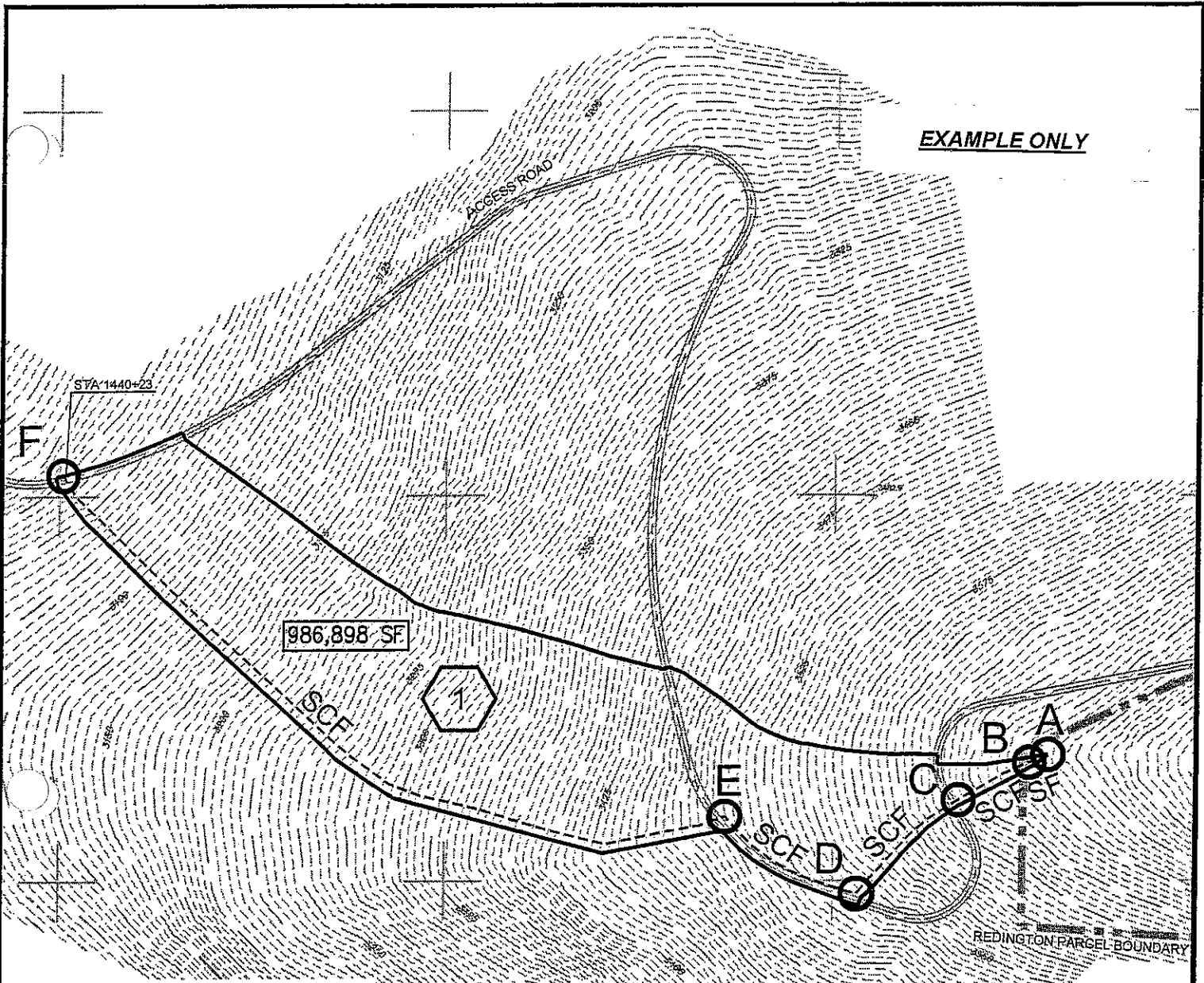


**ATTACHMENT D**

Time of Concentration Flow Paths and Inset Area Discharge Figures

**EXAMPLE ONLY**

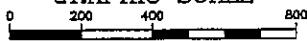


**WATERSHED LEGEND**

- WATERSHED BOUNDARY
- WATERSHED FLOW PATH
- SHEET FLOW
- SHALLOW CONCENTRATED FLOW
- SUBCATCHMENT



**GRAPHIC SCALE**



1 inch = 400 ft.

**FIGURE 1 To SEGMENT INFORMATION**

| SECTION | LENGTH | SLOPE | Tc (MIN.) | FLOW TYPE                 |
|---------|--------|-------|-----------|---------------------------|
| A TO B  | 50'    | 0.15  | 10.1      | SHEET FLOW                |
| B TO C  | 208'   | 0.17  | 1.7       | SHALLOW CONCENTRATED FLOW |
| C TO D  | 360'   | 0.25  | 2.4       | SHALLOW CONCENTRATED FLOW |
| D TO E  | 402'   | 0.11  | 4.0       | SHALLOW CONCENTRATED FLOW |
| E TO F  | 2,056' | 0.20  | 15.3      | SHALLOW CONCENTRATED FLOW |
| TOTAL   | 3,078' | -     | 33.5      |                           |

**BLACK NUBBLE MOUNTAIN WIND FARM PROJECT**  
**MAINE MOUNTAIN POWER LLC**

**ACCESS ROAD**  
**TIME OF CONCENTRATION FLOW PATHS**



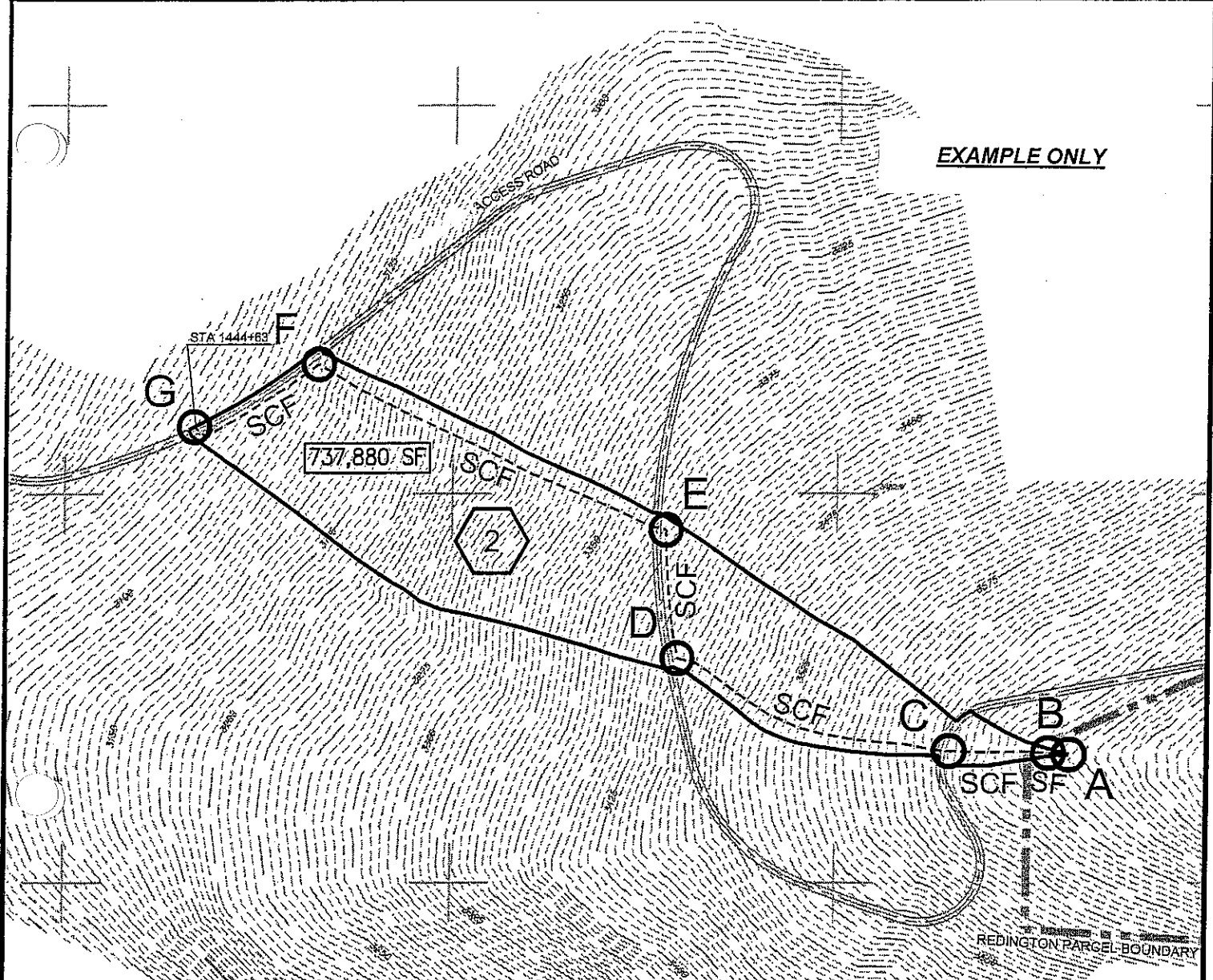
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 207.775.1121  
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|            |                  |         |             |
|------------|------------------|---------|-------------|
| DRAWN:     | LECJ             | DATE:   | AUGUST 2005 |
| DESIGNED:  | DDA              | SCALE:  | 1"=400'     |
| CHECKED:   | WGH              | JOB NO. | 1708.06     |
| FILE NAME: | 1708.06-DRAINAGE |         |             |

FIGURE

1

**EXAMPLE ONLY**

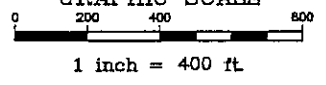


**WATERSHED LEGEND**

- WATERSHED BOUNDARY
- WATERSHED FLOW PATH
- SHEET FLOW
- SHALLOW CONCENTRATED FLOW
- SUBCATCHMENT



**GRAPHIC SCALE**



**FIGURE 2 Tc SEGMENT INFORMATION**

| SECTION | LENGTH | SLOPE | Tc (MIN.) | FLOW TYPE                 |
|---------|--------|-------|-----------|---------------------------|
| A TO B  | 50'    | 0.16  | 9.8       | SHEET FLOW                |
| B TO C  | 258'   | 0.20  | 1.9       | SHALLOW CONCENTRATED FLOW |
| C TO D  | 755'   | 0.25  | 5.0       | SHALLOW CONCENTRATED FLOW |
| D TO E  | 331'   | 0.13  | 3.1       | SHALLOW CONCENTRATED FLOW |
| E TO F  | 1,000' | 0.25  | 6.7       | SHALLOW CONCENTRATED FLOW |
| F TO G  | 385'   | 0.12  | 3.7       | SHALLOW CONCENTRATED FLOW |
| TOTAL   | 2,779' |       | 30.2      |                           |

**BLACK NUBBLE MOUNTAIN WIND FARM PROJECT**  
**MAINE MOUNTAIN POWER LLC**

**ACCESS ROAD**  
**TIME OF CONCENTRATION FLOW PATHS**



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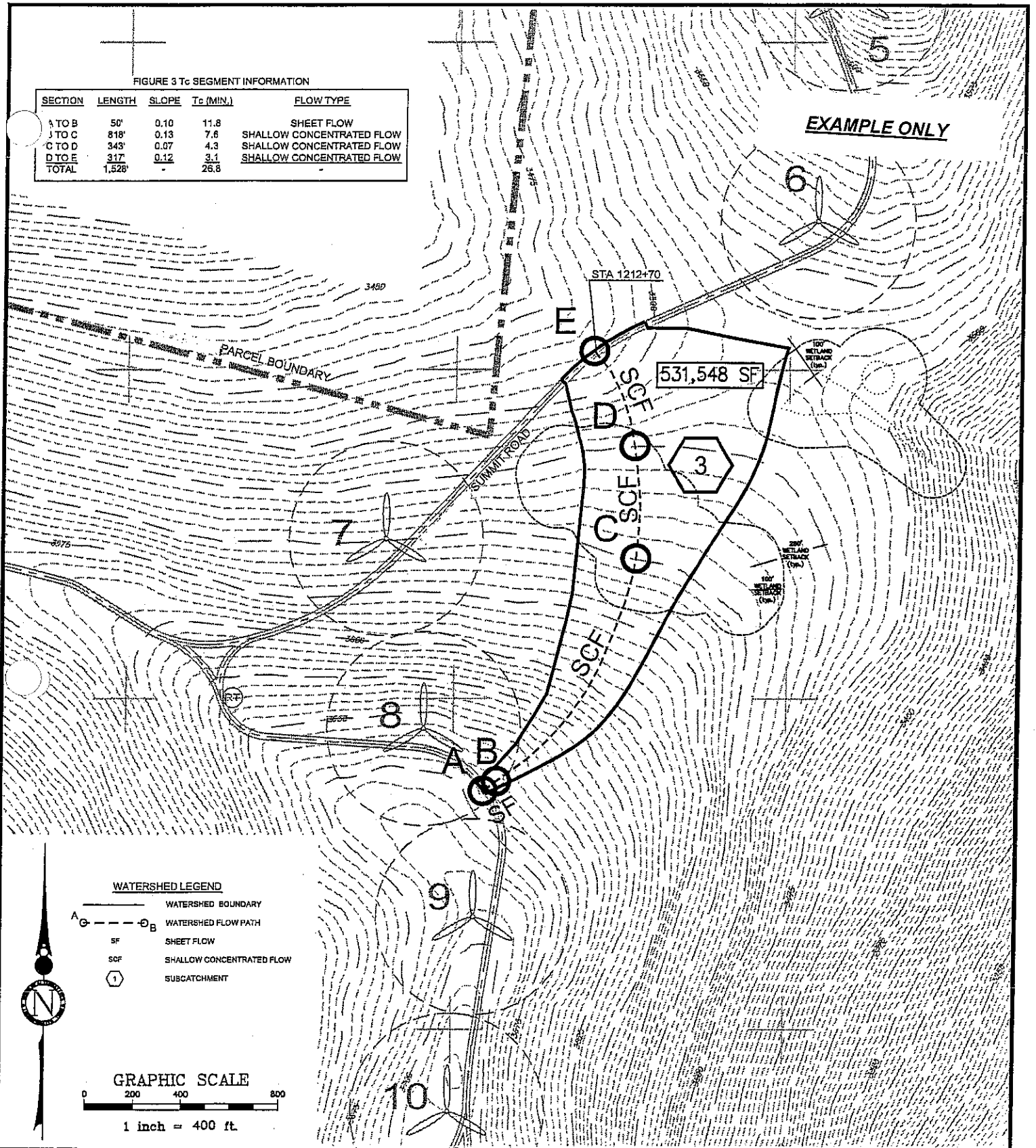
|            |                  |         |             |
|------------|------------------|---------|-------------|
| DRAWN:     | LECJ             | DATE:   | AUGUST 2005 |
| DESIGNED:  | DDA              | SCALE:  | 1"=400'     |
| CHECKED:   | WGH              | JOB NO. | 1708.06     |
| FILE NAME: | 1708.06-DRAINAGE |         |             |

FIGURE  
2

FIGURE 3 Tc SEGMENT INFORMATION

| SECTION | LENGTH | SLOPE | Tc (MIN.) | FLOW TYPE                 |
|---------|--------|-------|-----------|---------------------------|
| A TO B  | 50'    | 0.10  | 11.8      | SHEET FLOW                |
| J TO C  | 818'   | 0.13  | 7.6       | SHALLOW CONCENTRATED FLOW |
| C TO D  | 343'   | 0.07  | 4.3       | SHALLOW CONCENTRATED FLOW |
| D TO E  | 317'   | 0.12  | 3.1       | SHALLOW CONCENTRATED FLOW |
| TOTAL   | 1,528' | -     | 26.8      |                           |

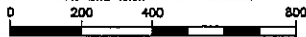
EXAMPLE ONLY



WATERSHED LEGEND

- WATERSHED BOUNDARY
- WATERSHED FLOW PATH
- SHEET FLOW
- SHALLOW CONCENTRATED FLOW
- SUBCATCHMENT

GRAPHIC SCALE



1 inch = 400 ft.

**BLACK NUBBLE MOUNTAIN WIND FARM PROJECT**  
**MAINE MOUNTAIN POWER LLC**

**SUMMIT ROAD**  
**TIME OF CONCENTRATION FLOW PATHS**



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|------------|------------------|---------|-------------|
| DRAWN:     | LECJ             | DATE:   | AUGUST 2005 |
| DESIGNED:  | DDA              | SCALE:  | 1"=400'     |
| CHECKED:   | WGH              | JOB NO. | 1708.06     |
| FILE NAME: | 1708.06-DRAINAGE |         |             |

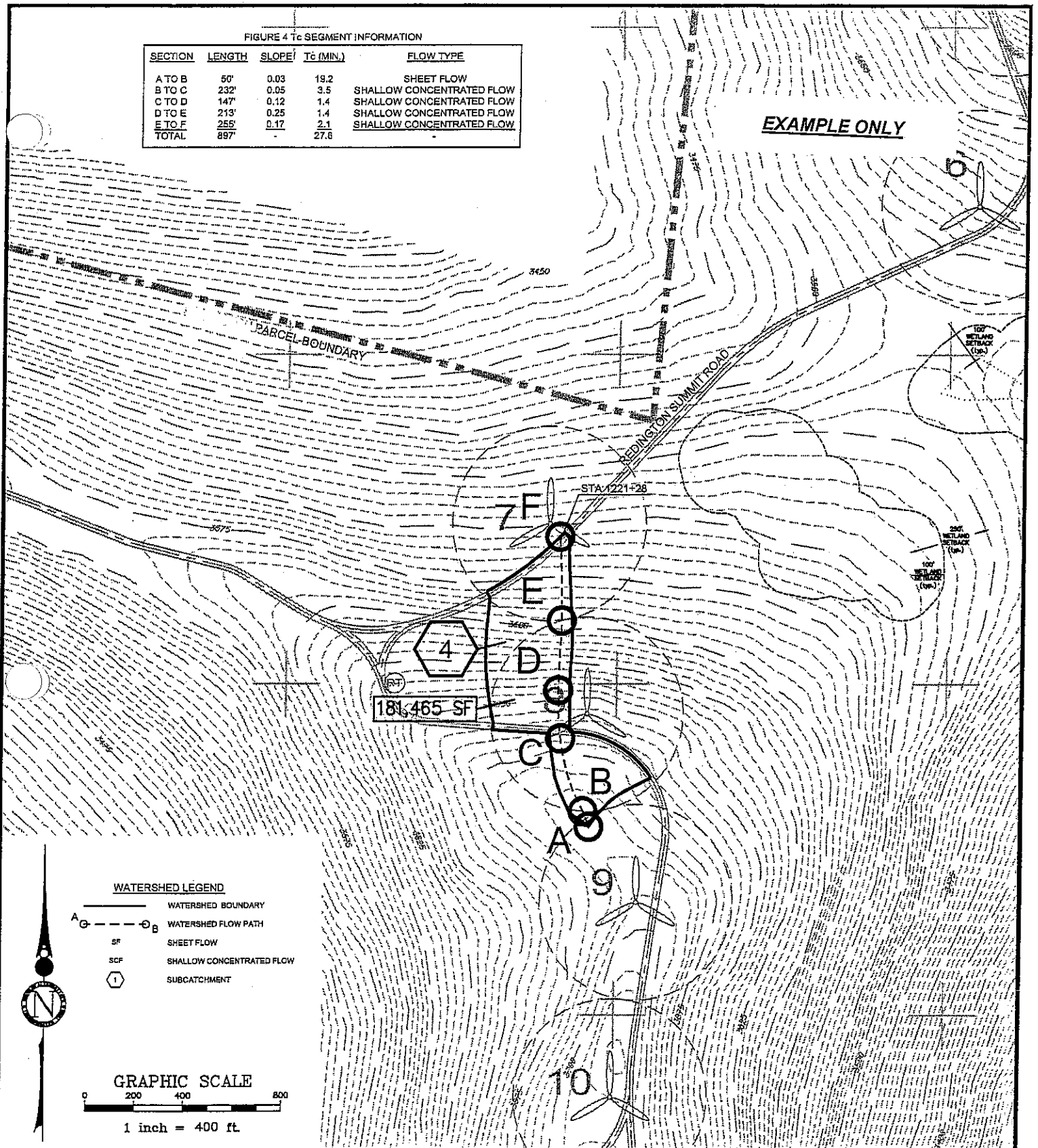
FIGURE

3

FIGURE 4 Tc SEGMENT INFORMATION

| SECTION | LENGTH | SLOPE | Tc (MIN.) | FLOW TYPE                 |
|---------|--------|-------|-----------|---------------------------|
| A TO B  | 50'    | 0.03  | 19.2      | SHEET FLOW                |
| B TO C  | 232'   | 0.05  | 3.5       | SHALLOW CONCENTRATED FLOW |
| C TO D  | 147'   | 0.12  | 1.4       | SHALLOW CONCENTRATED FLOW |
| D TO E  | 213'   | 0.25  | 1.4       | SHALLOW CONCENTRATED FLOW |
| E TO F  | 255'   | 0.17  | 2.1       | SHALLOW CONCENTRATED FLOW |
| TOTAL   | 897'   |       | 27.6      |                           |

EXAMPLE ONLY



**BLACK NUBBLE MOUNTAIN WIND FARM PROJECT**  
**MAINE MOUNTAIN POWER LLC**

**SUMMIT ROAD**  
**TIME OF CONCENTRATION FLOW PATHS**



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|------------|------------------|---------|-------------|
| DRAWN:     | LECJ             | DATE:   | AUGUST 2005 |
| DESIGNED:  | DDA              | SCALE:  | 1"=400'     |
| CHECKED:   | WGH              | JOB NO. | 1708.06     |
| FILE NAME: | 1708.06-DRAINAGE |         |             |

FIGURE

4

# INSET AREA 7

EXAMPLE ONLY

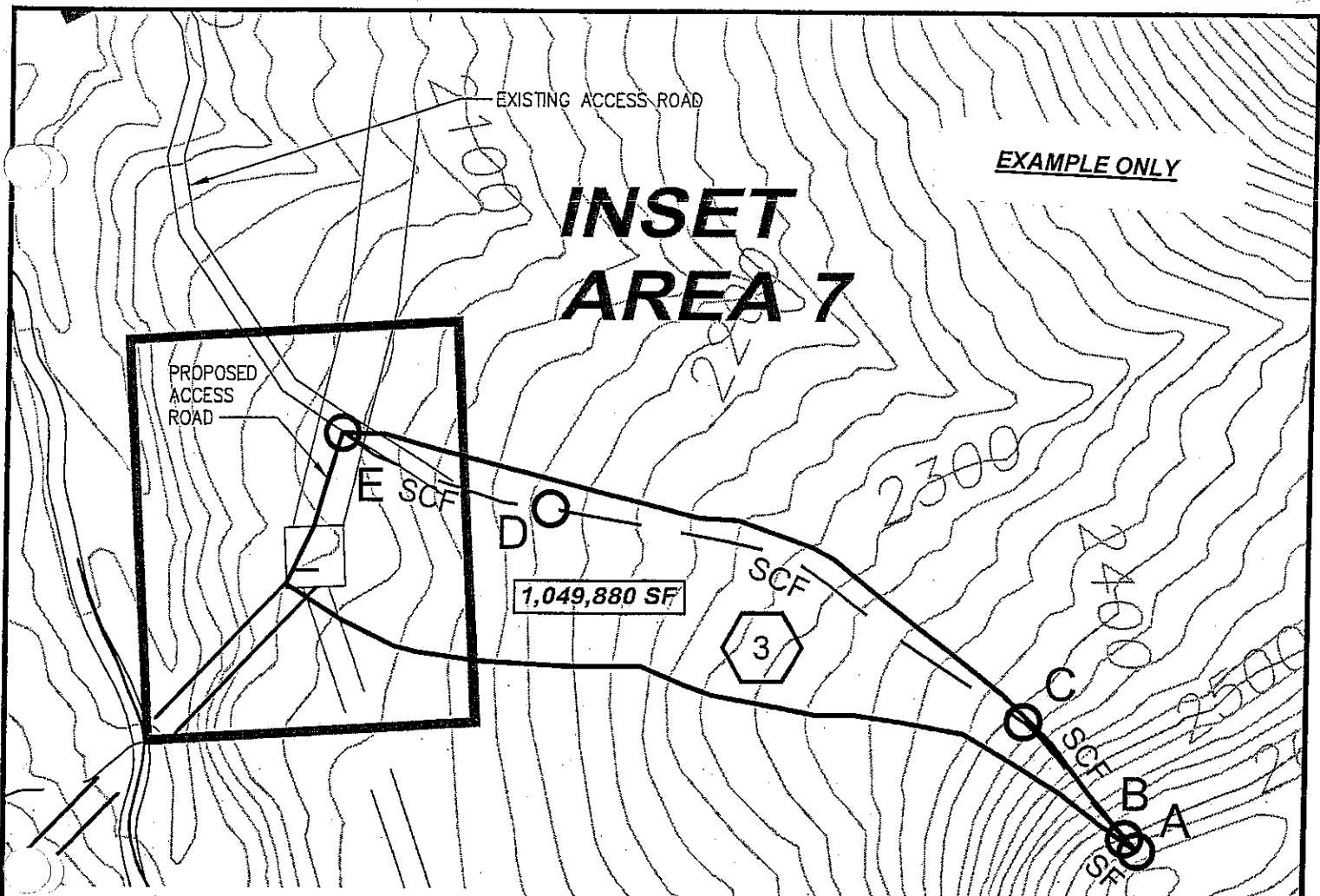


FIGURE 1 To SEGMENT INFORMATION

| SECTION | LENGTH | SLOPE | Tc (MIN.) | FLOW TYPE                 |
|---------|--------|-------|-----------|---------------------------|
| A TO B  | 50'    | 0.40  | 6.8       | SHEET FLOW                |
| B TO C  | 467'   | 0.40  | 2.5       | SHALLOW CONCENTRATED FLOW |
| C TO D  | 1,585' | 0.14  | 14.1      | SHALLOW CONCENTRATED FLOW |
| D TO E  | 680'   | 0.14  | 6.1       | SHALLOW CONCENTRATED FLOW |
| TOTAL   | 2,782' | -     | 29.5      |                           |

### WATERSHED LEGEND

- WATERSHED BOUNDARY
- WATERSHED FLOW PATH
- SHEET FLOW
- SHALLOW CONCENTRATED FLOW
- SUBCATCHMENT

### GRAPHIC SCALE



1 inch = 500 ft.

**BLACK NUBBLE MOUNTAIN WIND FARM PROJECT  
MAINE MOUNTAIN POWER LLC**

**WATERSHED FIGURE FOR SUBSTATION  
INTERCONNECT AND SUBSTATION ACCESS ROAD  
EXTENSION**



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|------------|--------------|---------|-----------|
| DRAWN:     | LECJ         | DATE:   | AUG. 2005 |
| DESIGNED:  | RJW          | SCALE:  | 1" = 500' |
| CHECKED:   | DDA          | JOB NO. | 1708.06   |
| FILE NAME: | 1708.06-BASE |         |           |

FIGURE

**C**