**Southtill Redevelopment**

**Pre/Post Development Rates**

### Pre-Development

**2" Event**

- Parking 1: 0.40
- Parking 2: 0.38
- Parking 3: 0.47
- Parking 4: 0.48
- Parking 5: 0.43
- Parking 6: 0.25
- Parking 7: 0.18
- Parking 8: 0.40
- Parking 9: 0.43
- Parking 10: 0.47
- Parking Total: 5.89

**25 Year**

- Parking 1: 1.32
- Parking 2: 1.32
- Parking 3: 1.32
- Parking 4: 1.32
- Parking 5: 1.32
- Parking 6: 1.32
- Parking 7: 1.32
- Parking 8: 1.32
- Parking 9: 1.32
- Parking 10: 1.32
- Parking Total: 13.52

**38" Event**

- Parking 1: 0.90
- Parking 2: 0.90
- Parking 3: 0.90
- Parking 4: 0.90
- Parking 5: 0.90
- Parking 6: 0.90
- Parking 7: 0.90
- Parking 8: 0.90
- Parking 9: 0.90
- Parking 10: 0.90
- Parking Total: 9.00

**Post-Development**

#### Parking 1

- Pre-Development: 0.40
- Post-Development: 1.32

#### Parking 2

- Pre-Development: 0.38
- Post-Development: 1.32

#### Parking 3

- Pre-Development: 0.47
- Post-Development: 1.32

#### Parking 4

- Pre-Development: 0.48
- Post-Development: 1.32

#### Parking 5

- Pre-Development: 0.43
- Post-Development: 1.32

#### Parking 6

- Pre-Development: 0.25
- Post-Development: 1.32

#### Parking 7

- Pre-Development: 0.18
- Post-Development: 1.32

#### Parking 8

- Pre-Development: 0.40
- Post-Development: 1.32

#### Parking 9

- Pre-Development: 0.43
- Post-Development: 1.32

#### Parking 10

- Pre-Development: 0.47
- Post-Development: 1.32

**Post-Development Total:** 13.52

**Watershed Key**

- **P** = Parking
- **B** = Building
- **x** = Drain Basin

**Flow Rates**

- **Post-Development Condition for 1" Event**

**Flow Rates Chart**

- **Pre-Development Rates Did Not Register for a 1" Event**

**LARC 350 Managing Water in the Landscape**

**Instruction: Gary Austin**

**Student Team:**

- Robbie Quinn 
- Jeff Bone

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**Diagram:**

- Natural Veg
- Watershed Key
- Watershed Diagram

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**Legend:**

- **TIME (hrs):**
  - 0
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12

- **FLOW (cfs):**
  - 0
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12

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**Water Quality Chart:**

- **Runoff Volume (cfs):**
  - 0
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12

- **Runoff Volume (cfs):**
  - 0
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12

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**Flow Rates Chart:**

- **Post-Development Condition for 1" Event**

- **Flow Rates Chart:**

- **Pre-Development Rates Did Not Register for a 1" Event**