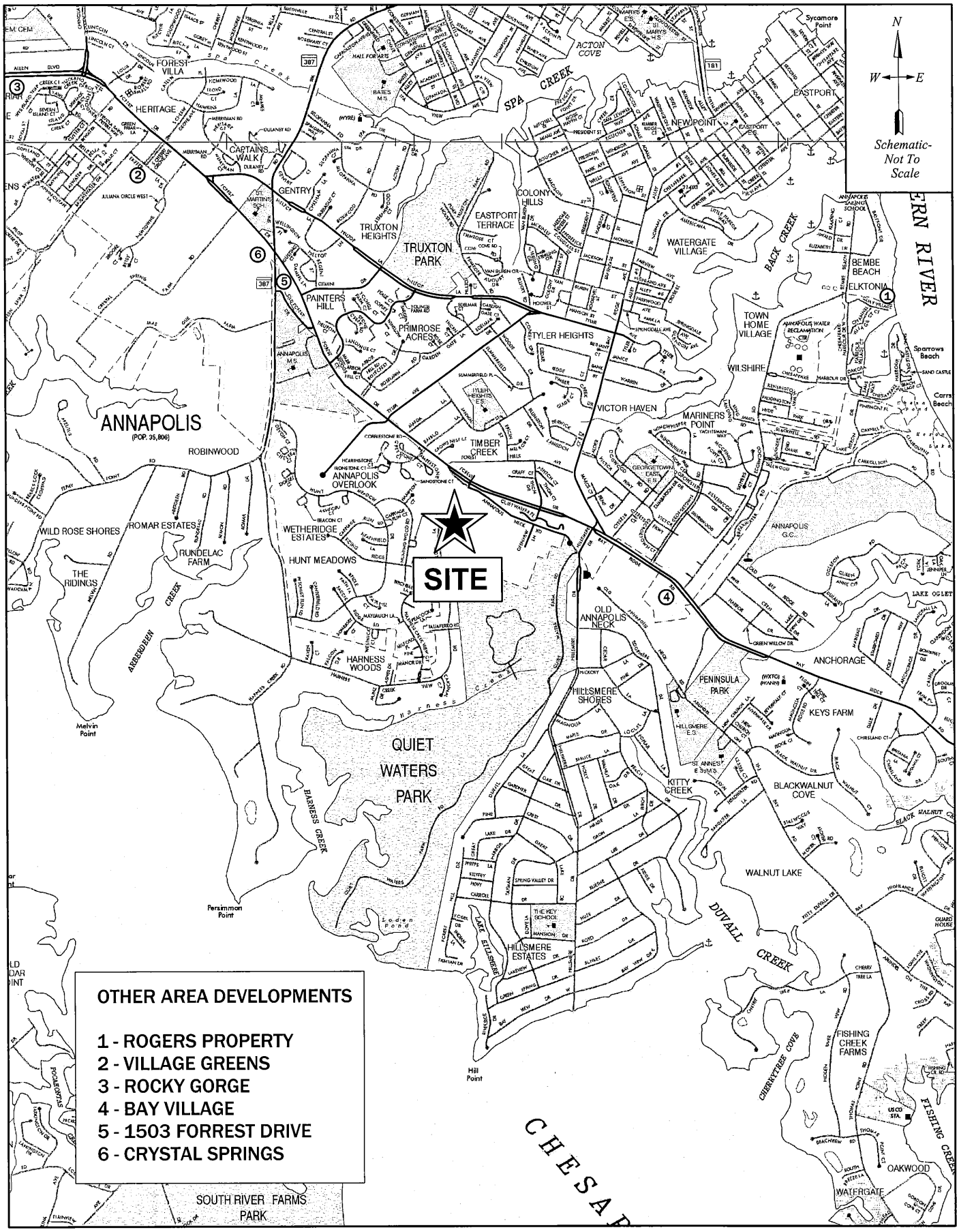
# APPENDIX G

## Other Developments
## Trip Generation/Trip Distribution/Trip Assignment




**Other Developments**

Location Map

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

*(3/11/11-LBK) i:\Eng\R10616\Dwg\Figures\Figure1.dwg*

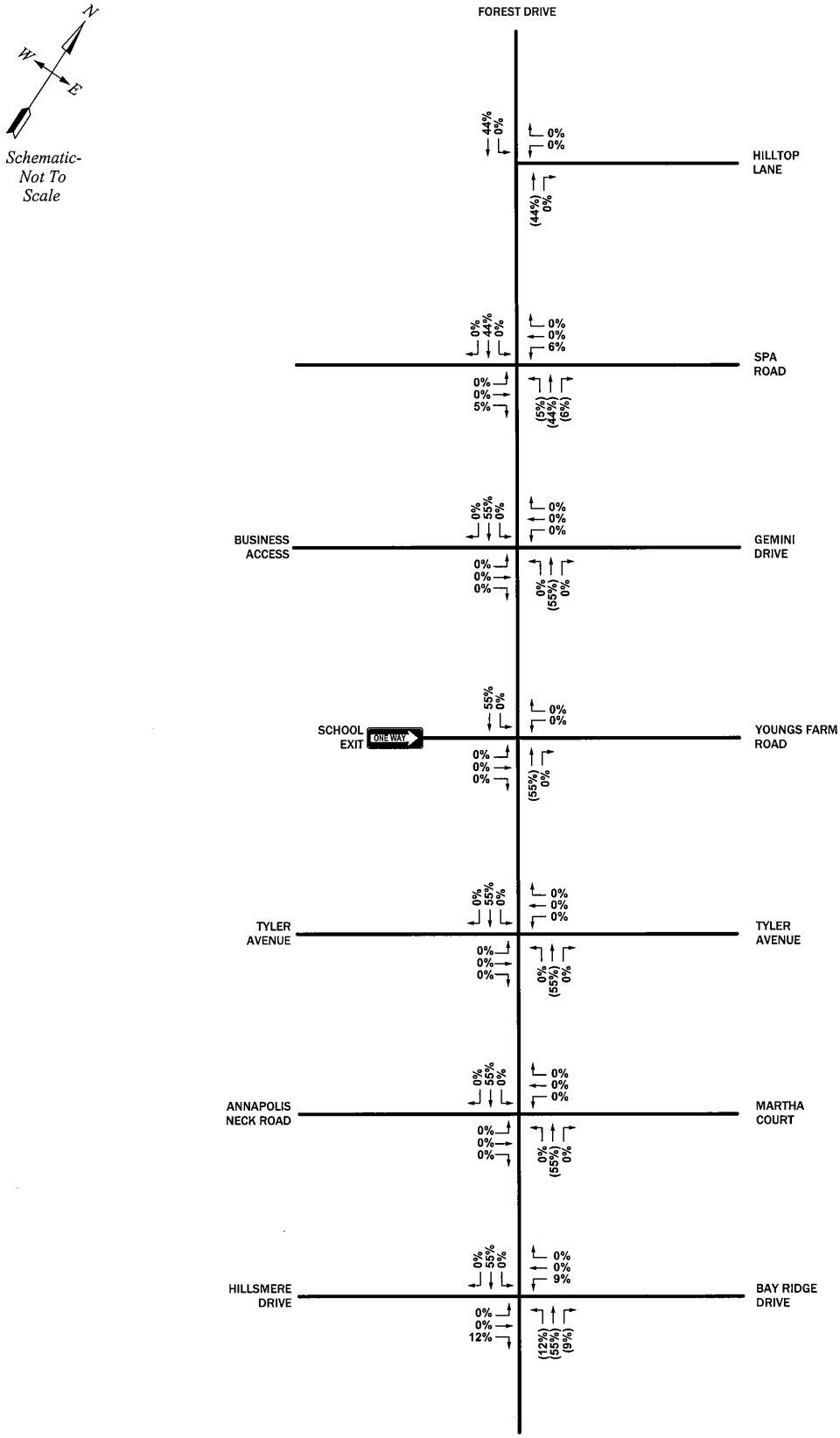
| Land Use | LU Code | Size | | Daily | Weekday Morning Peak Hour | | | Weekday Afternoon Peak Hour | | | Saturday Midday Peak Hour | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | In | Out | Total | In | Out | Total | In | Out | Total |
| **01 - Rogers Property** | | | | | | | | | | | | | |
| Townhomes | 230 | 38 | Units | 277 | 4 | 20 | 24 | 18 | 9 | 27 | 29 | 25 | 54 |
| **02 - Village Greens** | | | | | | | | | | | | | |
| Townhomes | 230 | 109 | Units | 693 | 9 | 46 | 55 | 43 | 22 | 65 | 40 | 34 | 74 |
| **03 - Rocky Gorge** | | | | | | | | | | | | | |
| Townhomes | 230 | 31 | Units | 232 | 3 | 17 | 20 | 15 | 8 | 23 | 28 | 24 | 52 |
| Single Homes | 210 | 17 | Units | 204 | 6 | 16 | 22 | 13 | 8 | 21 | 13 | 12 | 25 |
| Total | | 48 | | 436 | 9 | 33 | 42 | 28 | 16 | 44 | 41 | 36 | 77 |
| **04 - Bay Village** | | | | | | | | | | | | | |
| Pharmacy | 881 | 13,000 | SF | 1,146 | 20 | 15 | 35 | 67 | 68 | 135 | 51 | 51 | 102 |
| *Pass-By Trips* (1) | | | | | -8 | -6 | -14 | -33 | -33 | -66 | -20 | -20 | -40 |
| "New" Trips | | | | | 12 | 9 | 21 | 34 | 35 | 69 | 31 | 31 | 62 |
| Office | 710 | 9,000 | SF | 99 | 12 | 2 | 14 | 2 | 11 | 13 | 2 | 2 | 4 |
| Restaurant | 932 | 100 | Seats | 483 | 24 | 23 | 47 | 23 | 18 | 41 | 28 | 25 | 53 |
| *Pass-By Trips* (2) | | | | | -8 | -8 | -16 | -10 | -8 | -18 | -9 | -8 | -17 |
| "New" Trips | | | | | 16 | 15 | 31 | 13 | 10 | 23 | 19 | 17 | 36 |
| Total | | | | 1,728 | 56 | 40 | 96 | 92 | 97 | 189 | 81 | 78 | 159 |
| *Pass-By Trips* | | | | | -16 | -14 | -30 | -43 | -41 | -84 | -29 | -28 | -57 |
| "New" Trips | | | | | 40 | 26 | 66 | 49 | 56 | 105 | 52 | 50 | 102 |

(1) According to data published in ITE's *Trip Generation Handbook* (June 2004), approximately 49 percent trips during the weekday afternoon peak hour for ITE Land Use Code 881 are pass-by trips. A rate of 39 percent was assumed for the weekday morning and Saturday midday peak hours.

(2) According to data published in ITE's Trip Generation Handbook (June 2004), approximately 43 percent trips during the weekday afternoon peak hour for ITE Land Use Code 932 are pass-by trips. A rate of 33 percent was assumed for the weekday morning and Saturday midday peak hours.

| Land Use | LU Code | Size | | Daily | Weekday Morning Peak Hour | | | Weekday Afternoon Peak Hour | | | Saturday Midday Peak Hour | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | In | Out | Total | In | Out | Total | In | Out | Total |
| **05 - 1503 Forest Drive** | | | | | | | | | | | | | |
| Office | 710 | 18,900 | SF | 208 | 26 | 4 | 30 | 5 | 23 | 28 | 4 | 4 | 8 |
| Retail | 820 | 3,780 | SF | 808 | 14 | 9 | 23 | 35 | 36 | 71 | 53 | 49 | 102 |
| *Pass-By Trips* (1) | | | | | *-3* | *-2* | *-5* | *-12* | *-12* | *-24* | *-14* | *-13* | *-27* |
| "New" Trips | | | | | 11 | 7 | 18 | 23 | 24 | 47 | 39 | 36 | 75 |
| Total | | | | 1,016 | 40 | 13 | 53 | 40 | 59 | 99 | 57 | 53 | 110 |
| *Pass-By Trips* | | | | | -3 | -2 | -5 | -12 | -12 | -24 | -14 | -13 | -27 |
| "New" Trips | | | | | 37 | 11 | 48 | 28 | 47 | 75 | 43 | 40 | 83 |
| **06 - Crystal Springs** | | | | | | | | | | | | | |
| CCRC | 425 | 425 | Occ. Units | 1,194 | 51 | 26 | 77 | 60 | 64 | 124 | 89 | 77 | 166 |
| Townhomes | 230 | 100 | Units | 643 | 9 | 43 | 52 | 40 | 20 | 60 | 39 | 33 | 72 |
| Hotel | 310 | 100 | Rooms | 817 | 34 | 22 | 56 | 31 | 28 | 59 | 40 | 32 | 72 |
| Retail | 820 | 156,100 | SF | 9,071 | 122 | 78 | 200 | 420 | 437 | 857 | 595 | 550 | 1,145 |
| *Pass-By Trips* (1) | | | | | *-29* | *-19* | *-48* | *-143* | *-149* | *-292* | *-155* | *-143* | *-298* |
| "New" Trips | | | | | 93 | 59 | 152 | 277 | 288 | 565 | 440 | 407 | 847 |
| Office | 710 | 45,000 | SF | 495 | 61 | 9 | 70 | 11 | 56 | 67 | 10 | 9 | 19 |
| Total | | | | 12,220 | 277 | 178 | 455 | 562 | 605 | 1,167 | 773 | 701 | 1,474 |
| *Pass-By Trips* | | | | | *-29* | *-19* | *-48* | *-143* | *-149* | *-292* | *-155* | *-143* | *-298* |
| "New" Trips | | | | | 248 | 159 | 407 | 419 | 456 | 875 | 618 | 558 | 1,176 |

(1) According to data published in ITE's Trip Generation Handbook (June 2004), approximately 34 percent trips during the weekday afternoon peak hour and 26 percent trips during the Saturday midday peak hour for ITE Land Use Code 820 are pass-by trips. A rate of 24 percent was assumed for the weekday morning peak hours.




**LEGEND:**

| | |
|---|---|
| 5% | ENTER |
| (5%) | EXIT |

## 01 - ROGERS PROPERTY

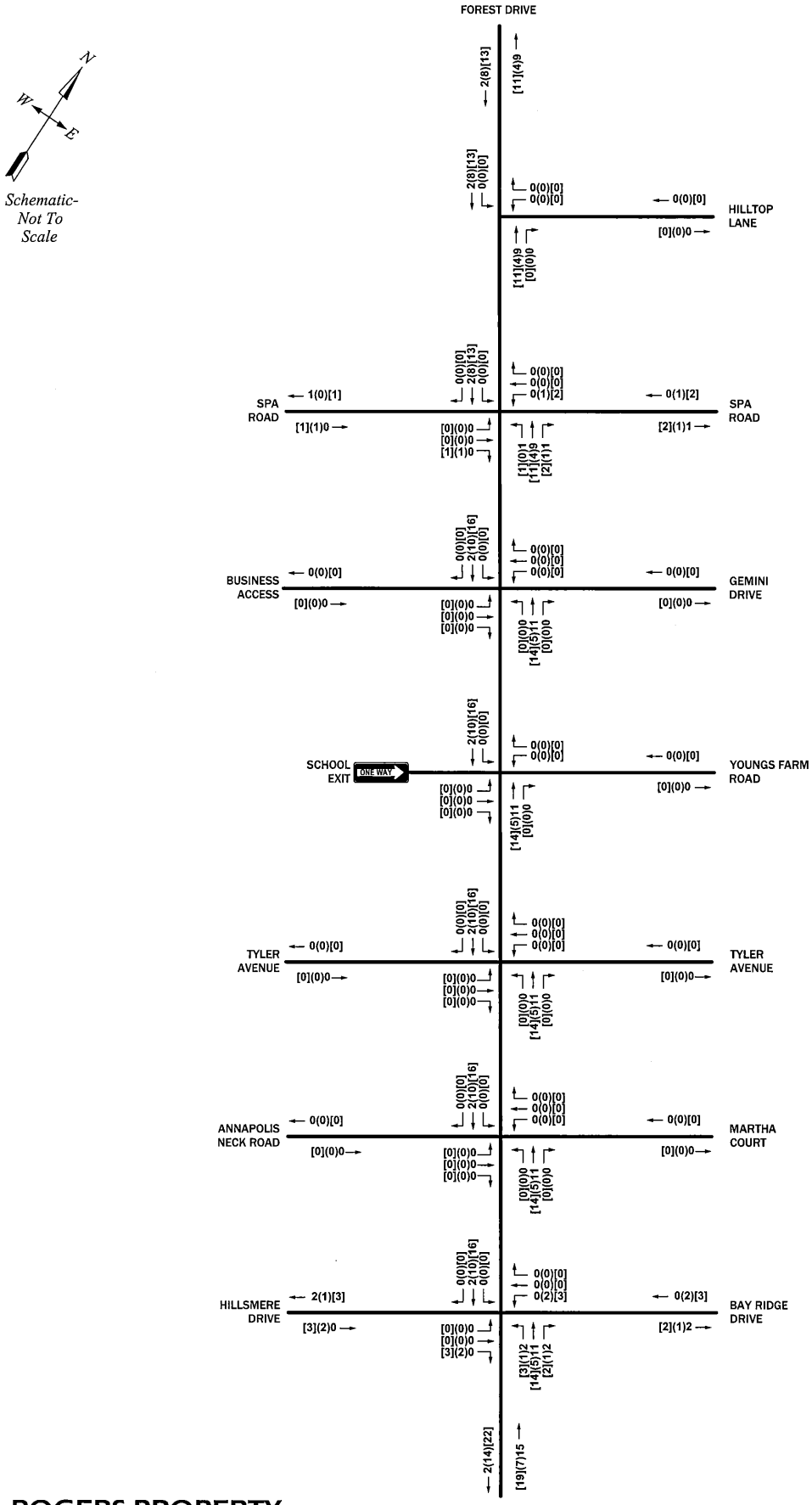
Trip Distribution

# QUIET WATERS PRESERVE

## CITY OF ANNAPOLIS, MARYLAND

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

(3/16/11-LBK) i:\Eng\R10616\Dwg\Figures\Figure7.dwg




| | AM | (PM) | [SAT] |
|---|---|---|---|
| IN | 4 | 18 | 29 |
| OUT | 20 | 9 | 25 |

**01 - ROGERS PROPERTY**

Trip Assignment

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

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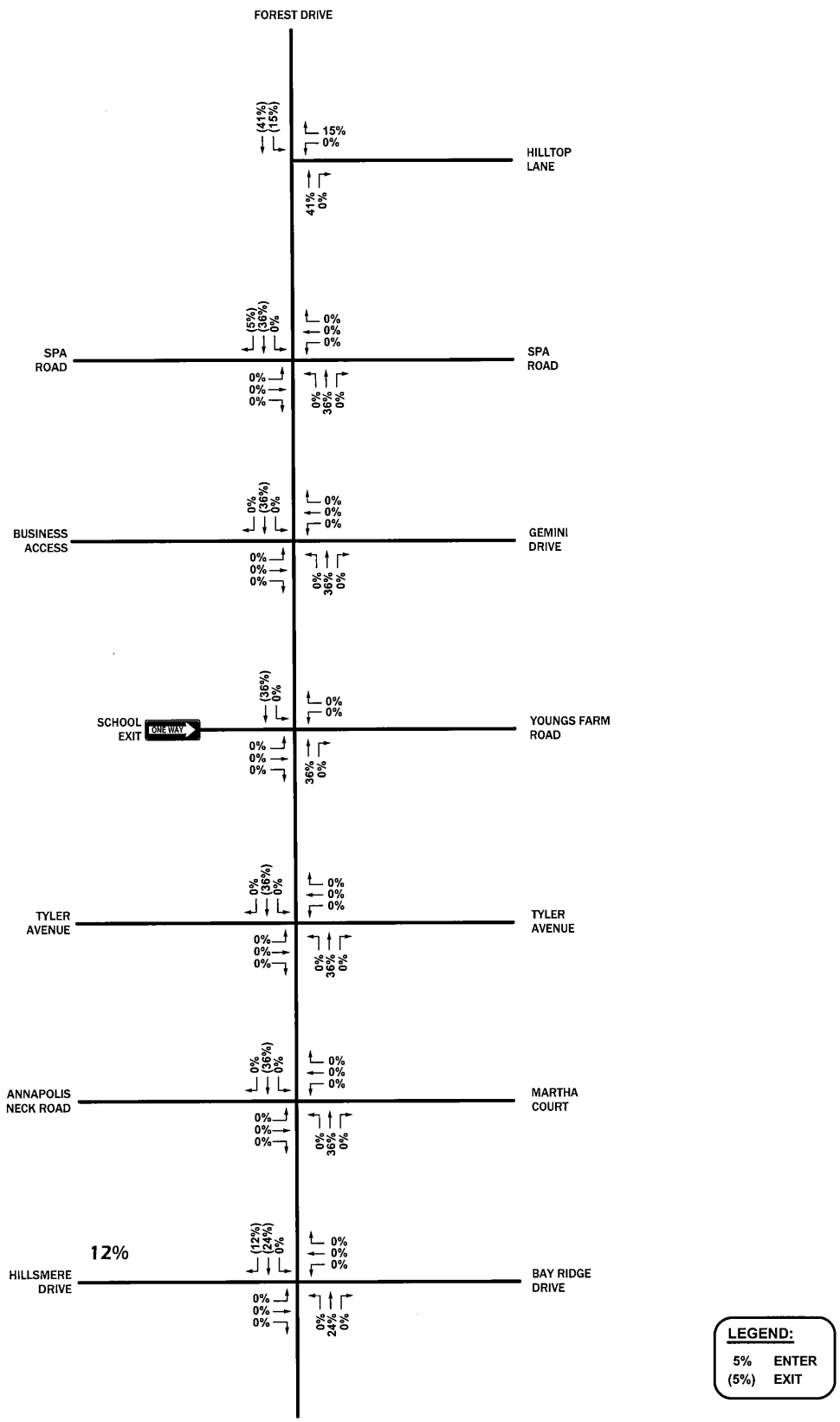



**02 - VILLAGE GREENS**

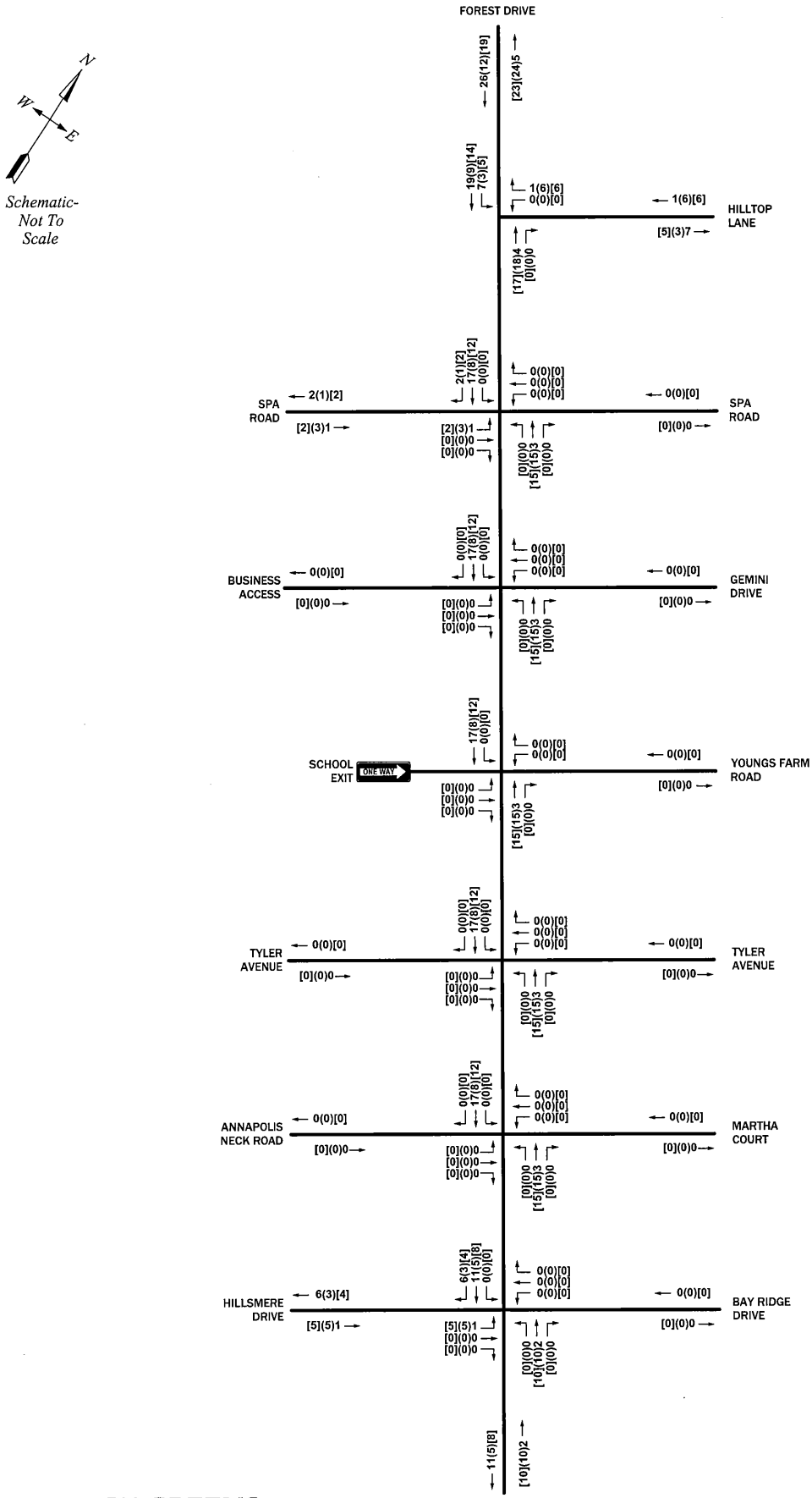
Trip Distribution

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

*(3/16/11-LBK) i:\Eng\R10616\Dwg\Figures\Figure7.dwg*




| | AM | (PM) | [SAT] |
|---|---|---|---|
| IN | 9 | 43 | 40 |
| OUT | 46 | 22 | 34 |

**02 - VILLAGE GREENS**

Trip Assignment

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

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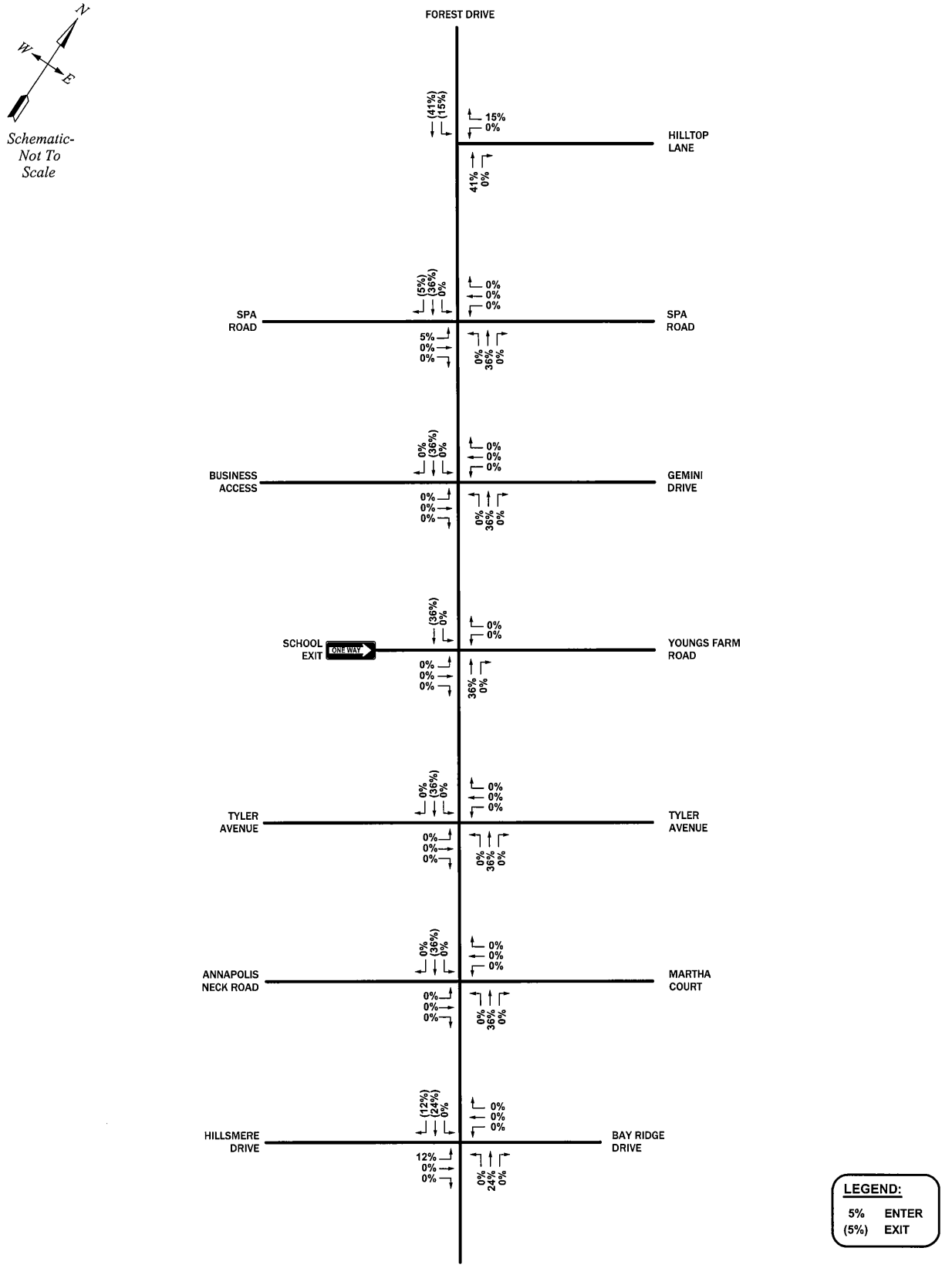


**03 - ROCKY GORGE**

Trip Distribution

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

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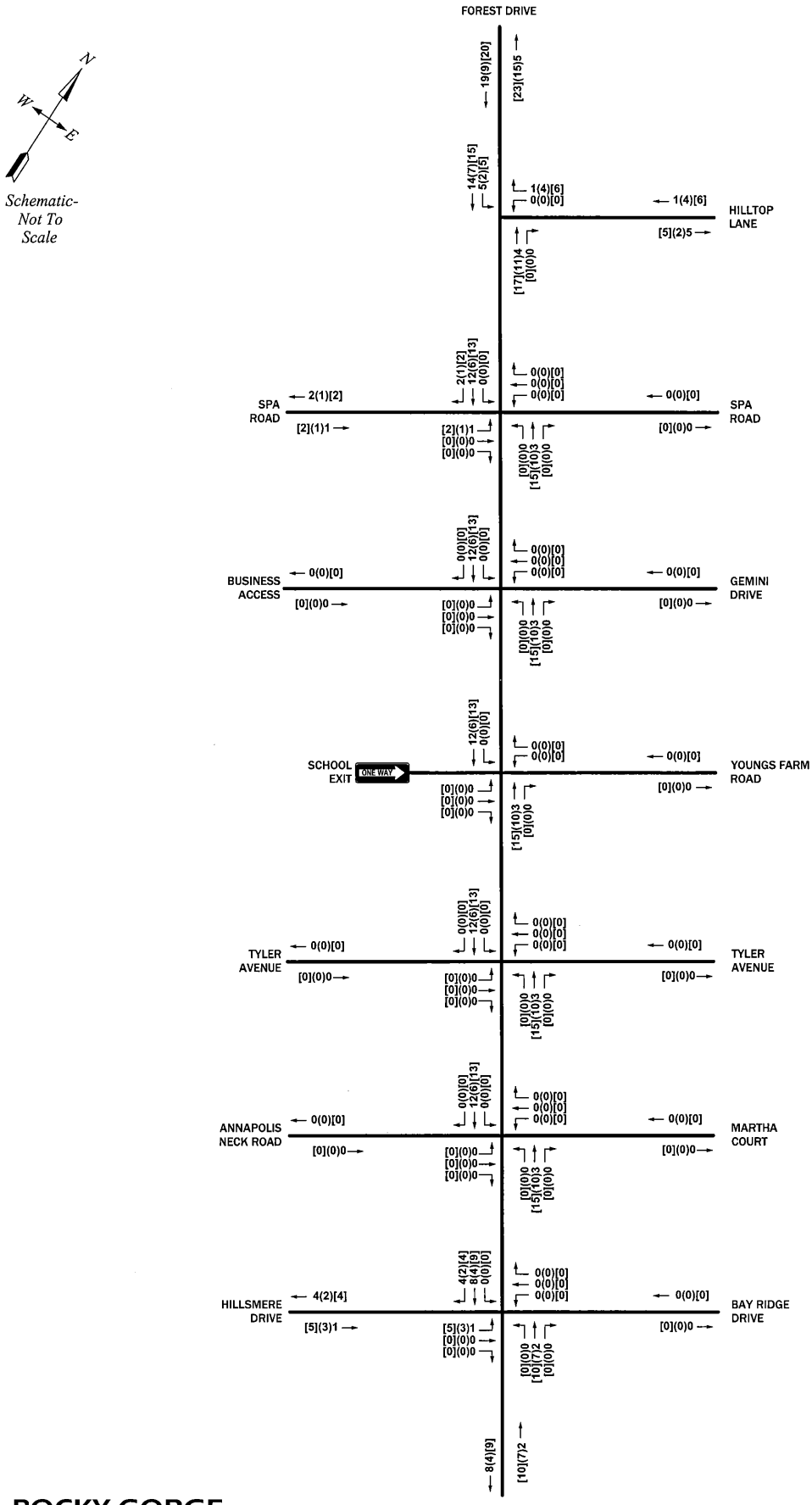


| | AM | (PM) | [SAT] |
|---|---|---|---|
| IN | 9 | 28 | 41 |
| OUT | 33 | 16 | 36 |

**03 - ROCKY GORGE**

Trip Assignment

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

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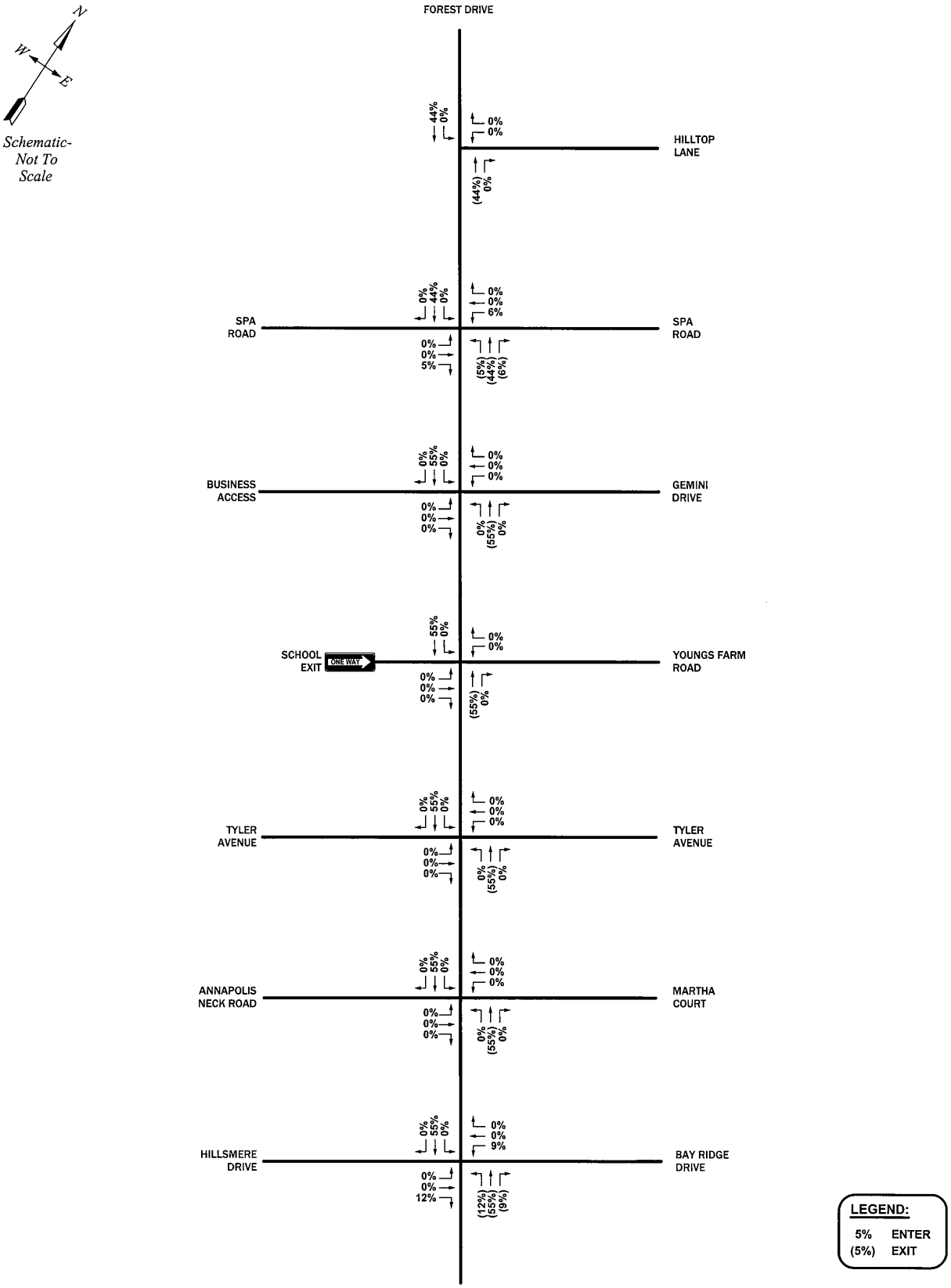


**04 - BAY VILLAGE**

Trip Distribution

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

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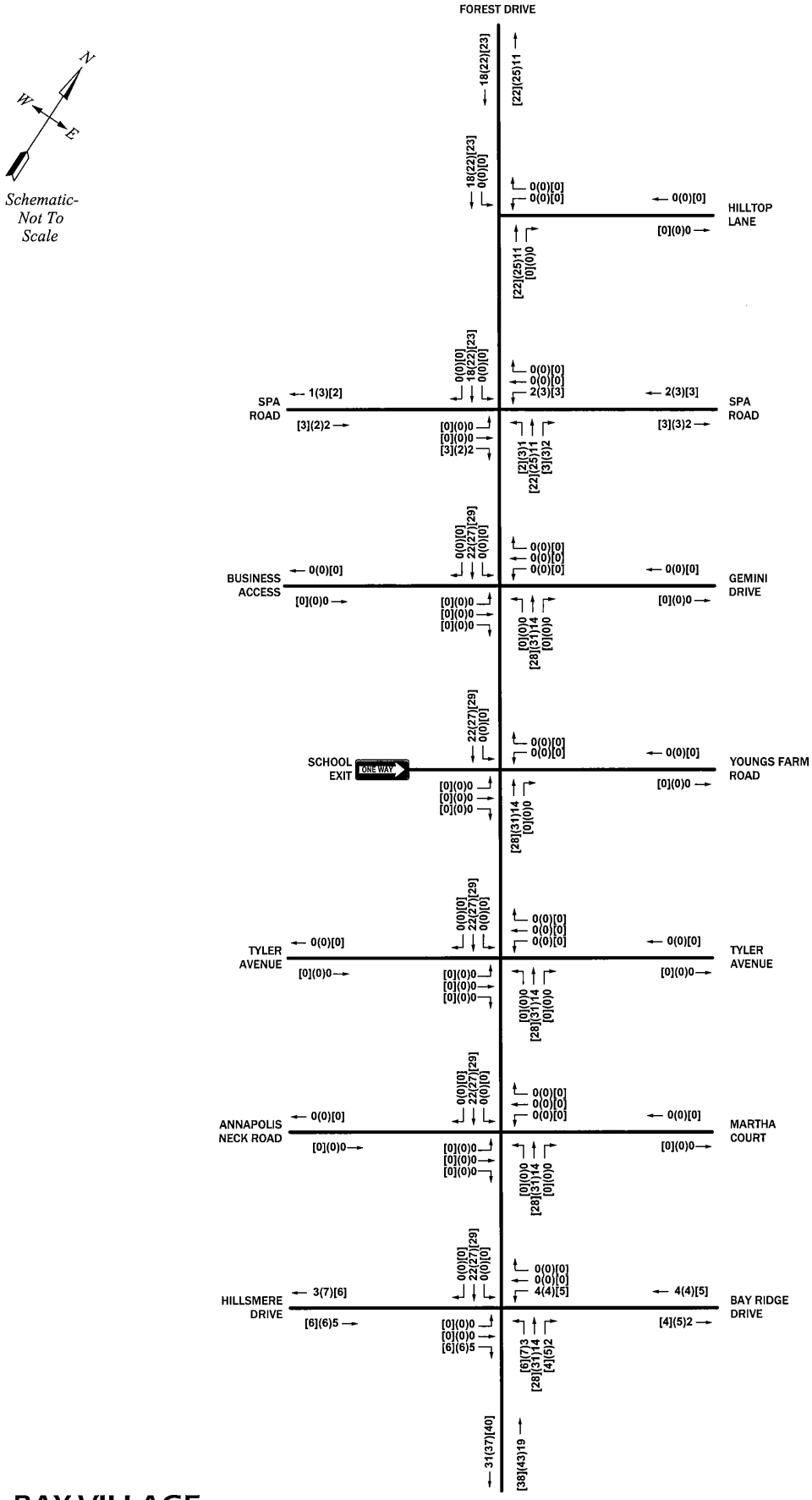


| | AM | (PM) | [SAT] |
|---|---|---|---|
| IN | 40 | 49 | 52 |
| OUT | 26 | 56 | 50 |

**04 - BAY VILLAGE**

Trip Assignment

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

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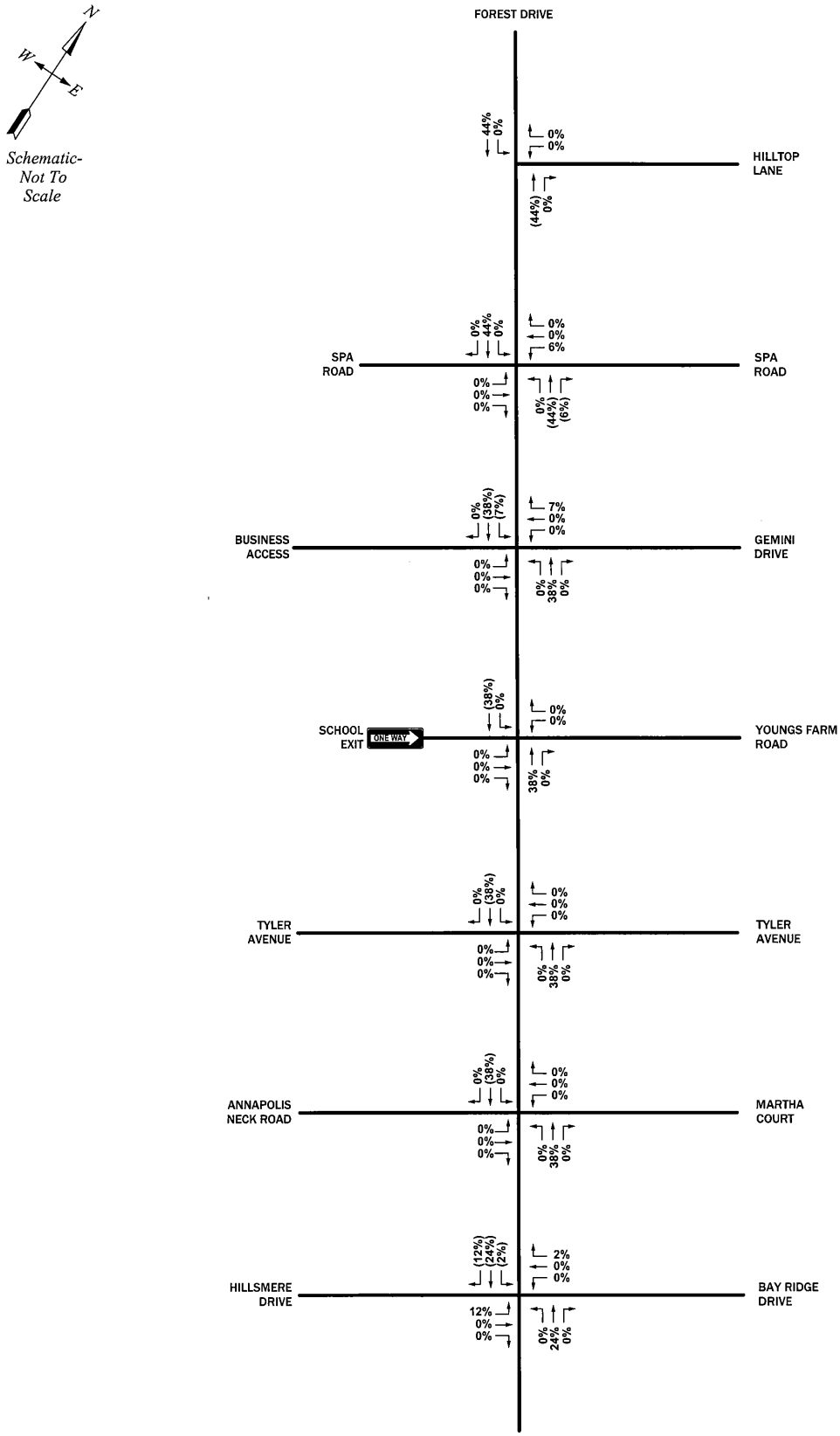



**05 - 1503 FOREST DRIVE**

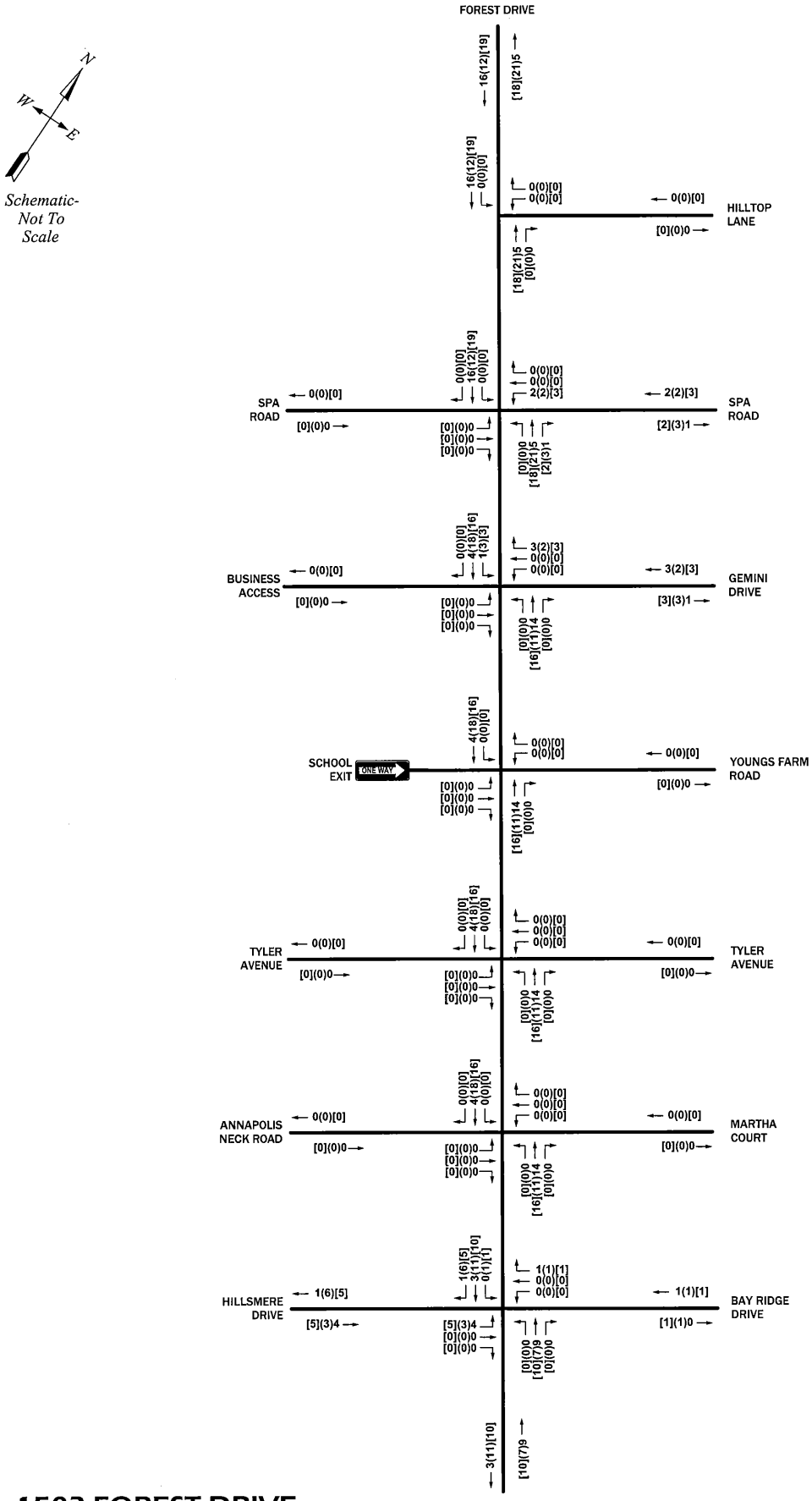
Trip Distribution

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

*(3/16/11-LBK) i:\Eng\R10616\Dwg\Figures\Figure7.dwg*




| | AM | (PM) | [SAT] |
|---|---|---|---|
| IN | 37 | 28 | 43 |
| OUT | 11 | 47 | 40 |

**05 - 1503 FOREST DRIVE**

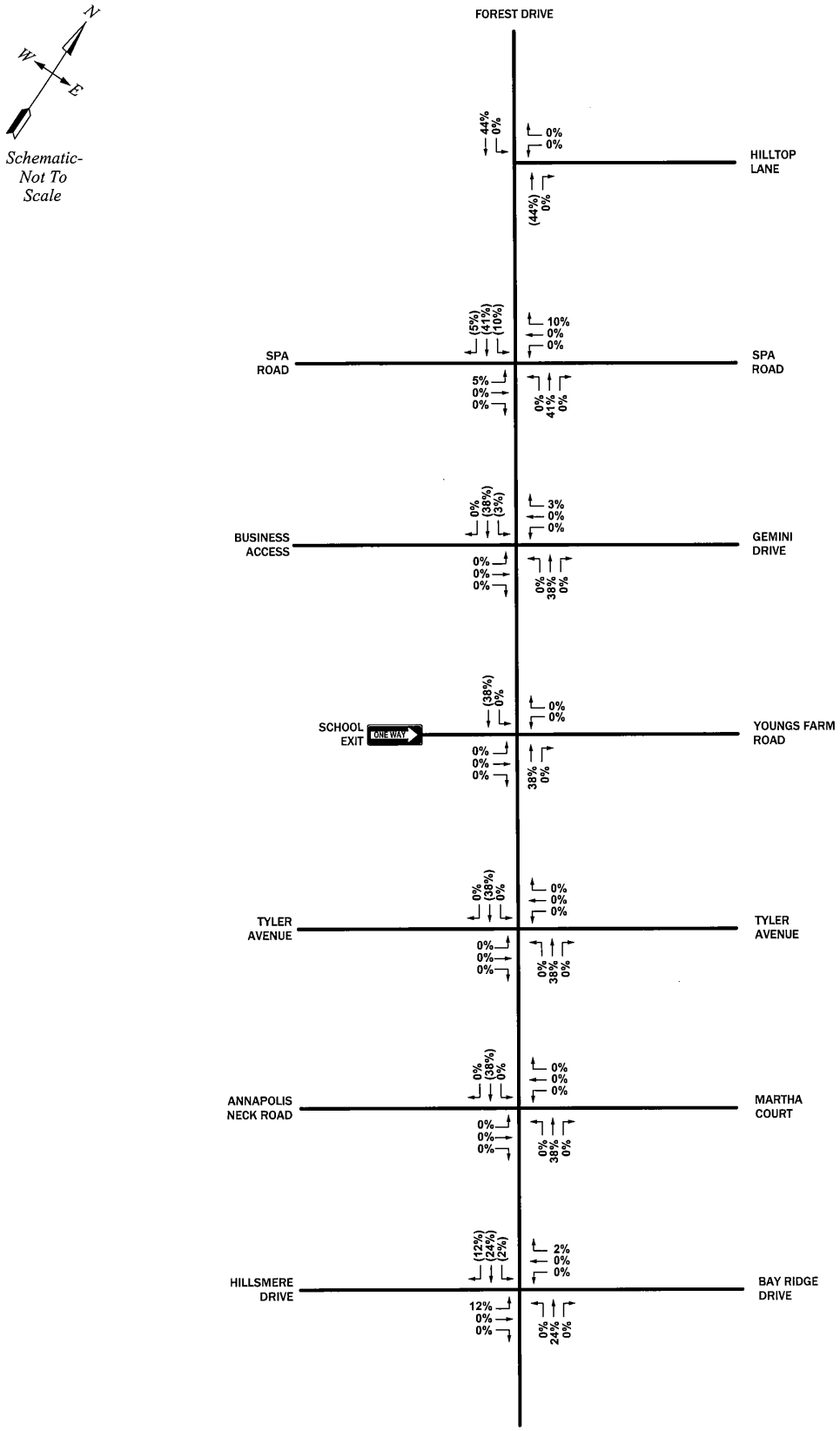
Trip Assignment

# QUIET WATERS PRESERVE

**CITY OF ANNAPOLIS, MARYLAND**

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

*(3/16/11-LBK) i:\Eng\R10616\Dwg\Figures\Figure8.dwg*




## 06 - CRYSTAL SPRINGS

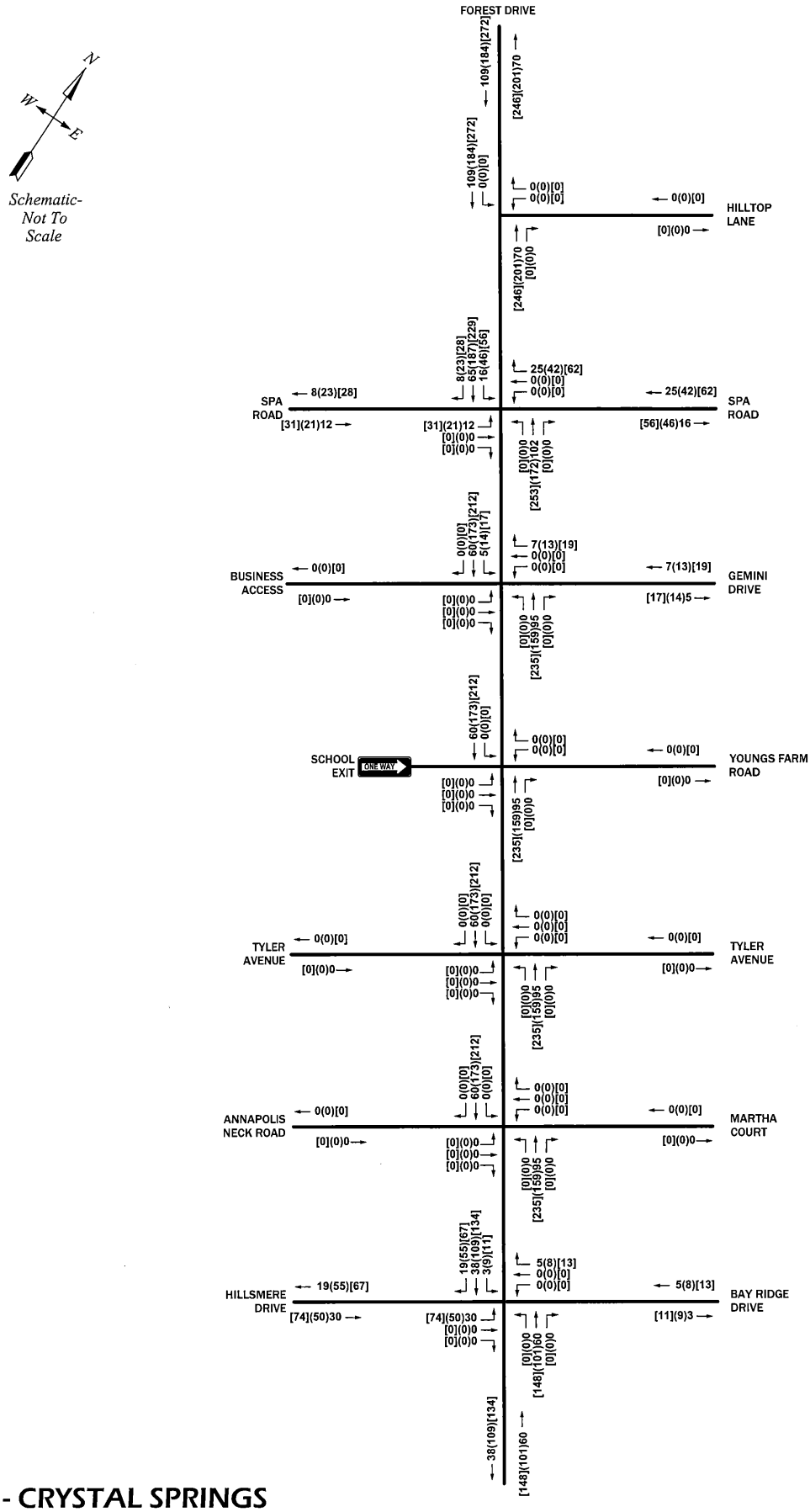
Trip Distribution

# QUIET WATERS PRESERVE

## CITY OF ANNAPOLIS, MARYLAND

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

*(3/16/11-LBK) i:\Eng\R10616\Dwg\Figures\Figure7.dwg*




| | AM | (PM) | [SAT] |
|---|---|---|---|
| IN | 248 | 419 | 618 |
| OUT | 159 | 456 | 558 |

## 06 - CRYSTAL SPRINGS

Trip Assignment

# QUIET WATERS PRESERVE

## CITY OF ANNAPOLIS, MARYLAND

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

(3/16/11-LBK) i:\Eng\R10616\Dwg\Figures\Figure8.dwg