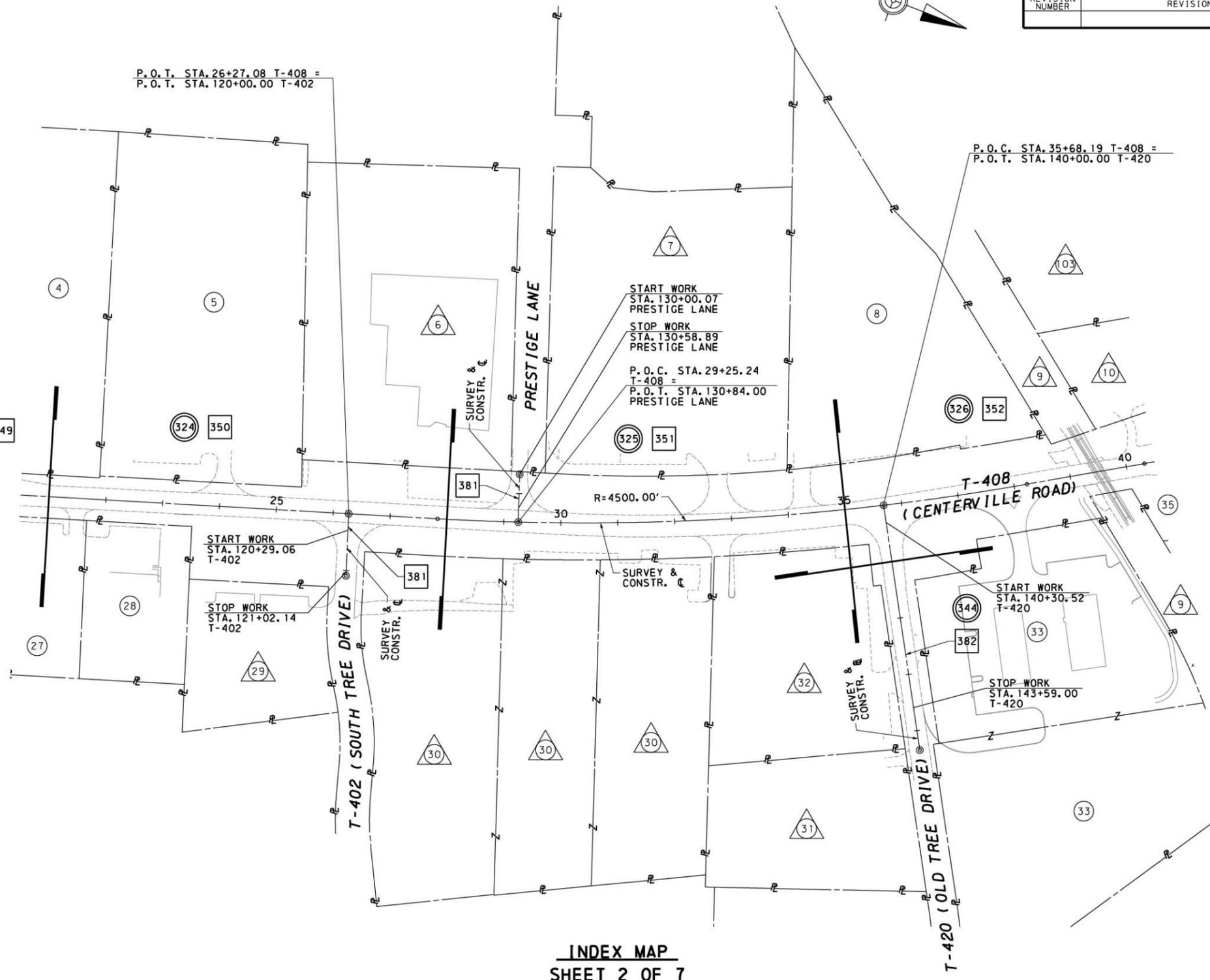




| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET    |
|-------------------------|-----------|-------|---------|----------|
| 8-0                     | LANCASTER | 4057  | 002     | 3 OF 398 |
|                         |           | T-543 | LOC     |          |
|                         |           | T-408 | LOC     |          |
| EAST HEMPFIELD TOWNSHIP |           |       |         |          |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |          |

**TABULATION OF PROPERTY OWNERS**

- ④ NATICK LANCASTER REALTY CORP.
- ⑤ LANCASTER AREA SEWER AUTHORITY
- ⑥ MICRO PRECISION CORPORATION
- ⑦ MOOVE IN PARTNERS - CENTERVILLE, LP, A PENNSYLVANIA LIMITED PARTNERSHIP
- ⑧ RHB SR. REALTY, LP
- ⑨ NORFOLK SOUTHERN RAILWAY COMPANY
- ⑩ JAMES T. GIBSON
- ⑲ AH2 PARTNERS, LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- ⑳ CAN DO PROPERTIES
- ㉑ BRIDGEWATER LANCASTER, LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- ㉒ CENTERVILLE ACRES, LP
- ㉓ ABRAM S. HORST, JR., FAMILY LIMITED PARTNERSHIP
- ㉔ OLD SYCAMORE ASSOCIATES
- ㉕ TH MINIT MARKETS LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- ㉖ NORTHWEST BANK
- ㉗ IRONSTONE HOLDINGS, LLC



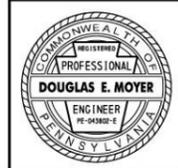
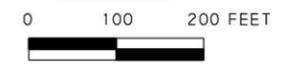
SEE PLAN SHEET 2

SEE INDEX SHEET 4

**LEGEND**

- PLAN
- PROFILE
- PARCEL IDENTIFICATION NUMBER
- △ PARCEL IDENTIFICATION NUMBER - NO TAKE
- SHEET LIMIT

**INDEX MAP  
SHEET 2 OF 7  
SCALE**



**TABULATION OF PROPERTY OWNERS**

- 9 NORFOLK SOUTHERN RAILWAY COMPANY
- 10 JAMES T. GIBSON
- 11 HET ENTERPRISES, LLC
- 12 NATIONAL RETAIL PROPERTIES TRUST
- 13 HEMPLAND ASSOCIATES, A LIMITED PARTNERSHIP
- 14 BEILER STOLTZFUS HOLDING, LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- 15 MOLT, LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- 16 DENNIS E STEINMETZ AND MICHAEL D STEINMETZ, TRADING AS S&P PROPERTIES
- 33 TH MINIT MARKETS LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- 35 NORTHWEST BANK
- 36 McDONALD'S CORPORATION d/b/a DELAWARE McDONALD'S CORPORATION
- 41 YORK SHERWOOD ASSOCIATES, L.P.
- 42 786KTZ, LLC
- 43 CENTERVILLE DEVELOPMENT COMPANY, A PENNSYLVANIA GENERAL PARTNERSHIP
- 50 CDJ ENTERPRISES, LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- 51 ESTELLE GROUP, LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY
- 103 IRONSTONE HOLDINGS, LLC
- 104 DEALBROOK LLC, PARAMOUNT PORTFOLIO CROSSINGS TIC #1 LLC, PARAMOUNT PORTFOLIO PAD TIC #1 LLC, PARAMOUNT PORTFOLIO FULTON TIC #1 LLC, PARAMOUNT PORTFOLIO LMS TIC #1 LLC
- 113 WESTFIELD MOTOR INN, INC.
- 120 PRATHER ENTITIES LLC
- 130 ROGER H. STRAUSE, D. D. S. AND LISA W. STRAUSE
- 131 HIGH PROPERTIES
- 132 YORK SHERWOOD ASSOCIATES, L.P.
- 133 MIRIAM ANNE PLACK
- 160 CHESWICKE, LLC.

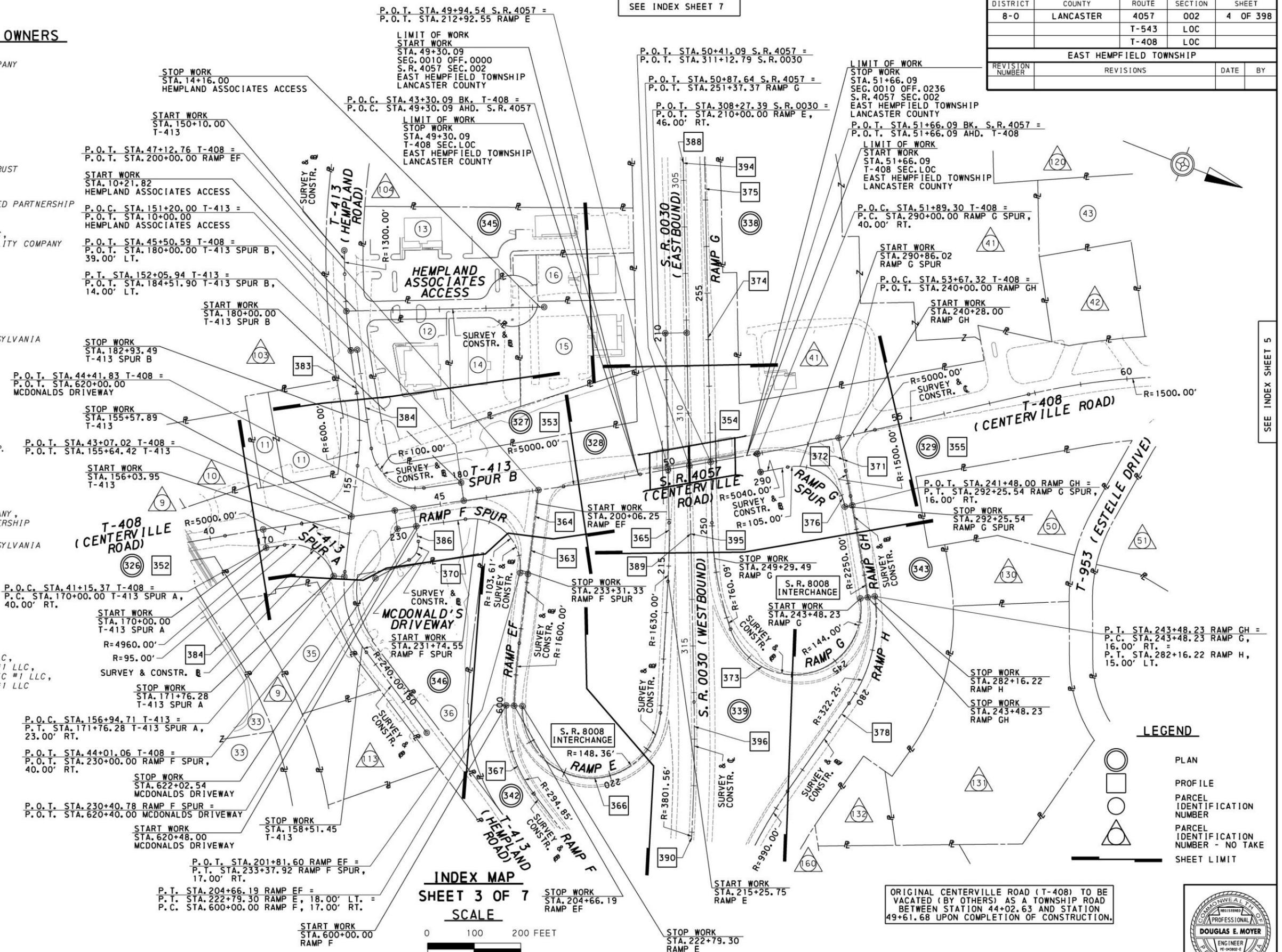
SEE PLAN SHEET 3

SEE INDEX SHEET 7

| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET    |
|----------|-----------|-------|---------|----------|
| 8-0      | LANCASTER | 4057  | 002     | 4 OF 398 |
|          |           | T-543 | LOC     |          |
|          |           | T-408 | LOC     |          |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |



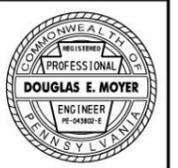
**INDEX MAP**  
SHEET 3 OF 7  
SCALE



**LEGEND**

|  |  |
|--|--|
|  | PLAN                                   |
|  | PROFILE                                |
|  | PARCEL IDENTIFICATION NUMBER           |
|  | PARCEL IDENTIFICATION NUMBER - NO TAKE |
|  | SHEET LIMIT                            |

ORIGINAL CENTERVILLE ROAD (T-408) TO BE VACATED (BY OTHERS) AS A TOWNSHIP ROAD BETWEEN STATION 44+02.63 AND STATION 49+61.68 UPON COMPLETION OF CONSTRUCTION.



SEE INDEX SHEET 8

SEE INDEX SHEET 5

| DISTRICT                           | COUNTY    | ROUTE | SECTION | SHEET    |
|------------------------------------|-----------|-------|---------|----------|
| 8-0                                | LANCASTER | 4057  | 002     | 9 OF 398 |
|                                    |           | T-543 | LOC     |          |
|                                    |           | T-408 | LOC     |          |
| MANOR AND EAST HEMPFIELD TOWNSHIPS |           |       |         |          |
| REVISION NUMBER                    | REVISIONS | DATE  | BY      |          |

**TABULATION OF OVERALL LENGTH**

|            |  |
|------------|--|
| T-543      | - STA. 0+00.00 TO STA. 7+17.89 = 717.89 FT = 0.136 MI      |
| T-408      | - STA. 7+17.89 TO STA. 49+30.09 = 4212.20 FT = 0.798 MI    |
| S. R. 4057 | - STA. 49+30.09 TO STA. 51+66.09 = 236.00 FT = 0.045 MI    |
| T-408      | - STA. 51+66.09 TO STA. 76+00.00 = 2433.91 FT = 0.461 MI   |
| S. R. 0023 | - STA. 480+00.00 TO STA. 502+00.00 = 2200.00 FT = 0.417 MI |
| S. R. 0030 | - STA. 298+00.00 TO STA. 334+50.00 = 3650.00 FT = 0.691 MI |
|            | OVERALL LENGTH = 13450.00 FT = 2.548 MI                    |

**TABULATION OF CONSTRUCTION LENGTH**

|            |  |
|------------|--|
| T-543      | - STA. 0+62.44 TO STA. 6+91.23 = 628.79 FT = 0.119 MI      |
| T-408      | - STA. 7+41.50 TO STA. 49+30.09 = 4188.59 FT = 0.793 MI    |
| S. R. 4057 | - STA. 49+30.09 TO STA. 51+66.09 = 236.00 FT = 0.045 MI    |
| T-408      | - STA. 51+66.09 TO STA. 71+39.78 = 1973.69 FT = 0.374 MI   |
| T-408      | - STA. 72+03.55 TO STA. 75+04.36 = 300.81 FT = 0.057 MI    |
| S. R. 0023 | - STA. 480+83.14 TO STA. 501+15.00 = 2031.86 FT = 0.385 MI |
| S. R. 0030 | - STA. 298+78.07 TO STA. 333+78.32 = 3500.25 FT = 0.663 MI |
|            | OVERALL LENGTH = 12859.99 FT = 2.436 MI                    |

**LIST OF EQUALITIES**

STA. 7+17.89 BK. T-543 = STA. 7+17.89 AHD. T-408  
 STA. 43+30.09 BK. T-408 = STA. 43+30.09 AHD. S. R. 4057  
 STA. 51+66.09 BK. S. R. 4057 = STA. 51+66.09 AHD. T-408

**LIST OF SEGMENT EQUALITIES**

S. R. 4057 - SEGMENT 0010 OFFSET 0000 = STA. 49+30.09  
 SEGMENT 0010 OFFSET 0236 = STA. 51+66.09  
 S. R. 0023 - SEGMENT 0150 OFFSET 1974 = STA. 481+58.72  
 SEGMENT 0160 OFFSET 0000 = STA. 481+58.72  
 S. R. 0030 - SEGMENT 0140 OFFSET 0000 = STA. 308+83.63  
 SEGMENT 0130 OFFSET 2093 = STA. 308+83.63  
 SEGMENT 0141 OFFSET 0000 = STA. 308+51.51  
 SEGMENT 0131 OFFSET 2096 = STA. 308+51.51

**PA ONE CALL SYSTEM**

PA ONE CALL PHONE: 1-800-242-1776

|  |  |
|--|--|
| EAST HEMPFIELD TOWNSHIP DESIGN SERIAL NO.: | 20161171062<br>20161171064<br>20161171067<br>20161171069<br>20161172962<br>20161172972<br>20161172986<br>20161172994<br>20161172999<br>20161173009 |
| MANOR TOWNSHIP DESIGN SERIAL NO.:          | 20161171065<br>20161171068<br>20161171070  |

**LIST OF PUBLIC UTILITIES**

| SYMBOL | UTILITY  | ADDRESS   | REPRESENTATIVE     | CONTACT INFORMATION             |
|--------|--|---|--------------------|---------------------------------|
| —G—    | UGI UTILITIES, INC.                                      | 1301 AIP DRIVE<br>MIDDLETOWN, PA 17057            | GEOFFREY FERGUSON  | (717) 255-1453                  |
| —G—    | ENERGY TRANSFER  | 350 EAGLEVIEW BLVD., SUITE 130<br>EXTON, PA 19341 | JOHN RUSZKAY       | John.ruszkay@energytransfer.com |
| —W—    | CITY OF LANCASTER  | 120 NORTH DUKE STREET<br>LANCASTER, PA 17608      | CINDY McCORMICK    | (717) 291-4729                  |
| —W—    | EAST HEMPFIELD WATER AUTHORITY                           | 920 CHURCH STREET<br>LANDISVILLE, PA 17538        | STEVEN GOHN        | (717) 898-8231                  |
| —E—    | PPL ELECTRIC UTILITIES                                   | 2 NORTH NINTH STREET<br>ALLEN TOWN, PA 18101      | CHARLOTTE KRUPA    | (610) 774-6287                  |
| —CTV—  | COMCAST CABLE COMMUNICATION, INC.                        | 1131 SOUTH DUKE STREET<br>LANCASTER, PA 17602     | CHARLES BRANDT, JR | (717) 987-2333                  |
| —S—    | EAST HEMPFIELD TOWNSHIP<br>(STORM SEWER/TRAFFIC SIGNALS) | 1700 NISSLEY ROAD<br>LANDISVILLE, PA 17538        | PERRY MADONNA      | (717) 898-3100                  |
| —S—    | LANCASTER AREA SEWER AUTHORITY                           | 130 CENTERVILLE ROAD<br>LANCASTER, PA 17603       | JOHN VILGA         | (717) 344-5819                  |
| —T—    | VERIZON PENNSYLVANIA, LLC                                | 126 NORTH DUKE STREET<br>LANCASTER, PA 17602      | MARK WASELKO       | (717) 299-8405                  |
| —T—    | FRONTIER COMMUNICATIONS                                  | 100 CTE DRIVE<br>DALLAS, PA 18612                 | JOSEPH WITT        | (717) 786-2525                  |
| —FO—   | WINDSTREAM   | 202 EAST FIRST STREET<br>BIRDSBORO, PA 19505      | TERRY WELLS        | Terry.L.Wells@windstream.com    |
| —FO—   | ZAYO BANDWIDTH   | 1101 EAST LINDEN AVENUE<br>LINDEN, NJ 07036       | JIM JACOBSEN       | (973) 214-6393                  |

**TABULATION OF STRUCTURE DATA**

**EXISTING**

S. R. 4057 OVER S. R. 0030  
 STA. 50+44.90 S. R. 4057  
 SEG. 0010 OFF. 0025  
 TYPE = 4 SPAN, P/S CONC. SPREAD BOX BEAM  
 SPAN = 1 @ 35'-3 1/8", 1 @ 58'-9 1/2",  
 1 @ 46'-0 1/2", 1 @ 25'-0 1/8"  
 UNDERCLEARANCE = 14'-8"  
 CLEAR ROADWAY = 32'-0"  
 SKEW = 81° 10' 00"  
 STRUCTURE NO. S-6493 (NOV. 1, 1963) &  
 S-25608 (OCT. 6, 2004)

**PROPOSED**

S. R. 4057 OVER S. R. 0030  
 STA. 50+41.09 S. R. 4057  
 SEG. 0010 OFF. 0025  
 TYPE = 2 SPAN CONT. COMP. P/S CONC.  
 SPREAD BOX BEAM BRIDGE  
 SPAN = 1 @ 86'-0", 1 @ 100'-0"  
 UNDERCLEARANCE = 16'-8 1/16"  
 CLEAR ROADWAY = 72'-0"  
 SKEW = 81° 10' 17"  
 STRUCTURE NO. S-39039  
 RECOMMENDED MARCH 30, 2021

- \* INCLUDES ALL LUMP SUM ITEMS
- \*\* INCLUDES ALL LUMP SUM STRUCTURE ITEMS
- \*\*\* INCLUDES ALL BORROW ITEMS
- \*\*\*\* INCLUDES 53 CY OF R-3, 1,879 CY OF R-4, 47 CY OF R-5, 12 CY OF R-6, 6 CY OF R-7, 272 CY OF R-8 AND 490 CY OF STRUCTURAL BACKFILL
- \*\*\*\*\* INCLUDES 27 CY OF UNSUITABLE MATERIAL

**EARTHWORK SUMMARY - ENTIRE PROJECT**

THE INFORMATION ON ESTIMATED AMOUNTS OF EARTHWORK HAS BEEN USED IN THE PRELIMINARY ESTIMATE. DO NOT USE AS A WAIVER OF ANY PROVISIONS OF THE SPECIFICATIONS AND CONTRACTS. (ALL QUANTITIES ARE APPROXIMATE.)

| CUBIC YARDS OF EXCAVATION |          |          |          |           |          | ROCK, CLASS R-4 (SLOPE PROTECTION) | ROCK, CLASS R-6 (SLOPE PROTECTION) | CUBIC YDS. COMPLETED EMBANKMENT | CUBIC YDS. BORROW EXCAVATION | CUBIC YDS. OF WASTE | CUBIC YARDS OF SELECT BORROW |
|---------------------------|----------|----------|----------|-----------|----------|------------------------------------|------------------------------------|---------------------------------|------------------------------|---------------------|------------------------------|
| CLASS 1                   | CLASS 1A | CLASS 1B | CLASS 2* | CLASS 3** | CLASS 4* |                                    |                                    | ***                             |                              | ****                | ****                         |
| 92,489                    | ---      | ---      | 10,811   | 1,351     | 8,479    | 1,879                              | 12                                 | 44,180                          | ---                          | 87,737              | 5,105                        |

LIMIT OF WORK  
 STA. 76+00.00  
 T-408 SEC. LOC  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 298+00.00  
 SEG. 0130 OFF. 1009  
 SEG. 0131 OFF. 1044  
 S. R. 0030 SEC. 145  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 480+00.00  
 SEG. 0150 OFF. 1815  
 S. R. 0023 SEC. 002  
 WEST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 502+00.00  
 SEG. 0160 OFF. 2042  
 S. R. 0023 SEC. 002  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 51+66.09  
 T-408 SEC. LOC  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 51+66.09  
 SEG. 0010 OFF. 0236  
 S. R. 4057 SEC. 002  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 334+50.00  
 SEG. 0140 OFF. 2566  
 SEG. 0141 OFF. 2598  
 S. R. 0030 SEC. 145  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

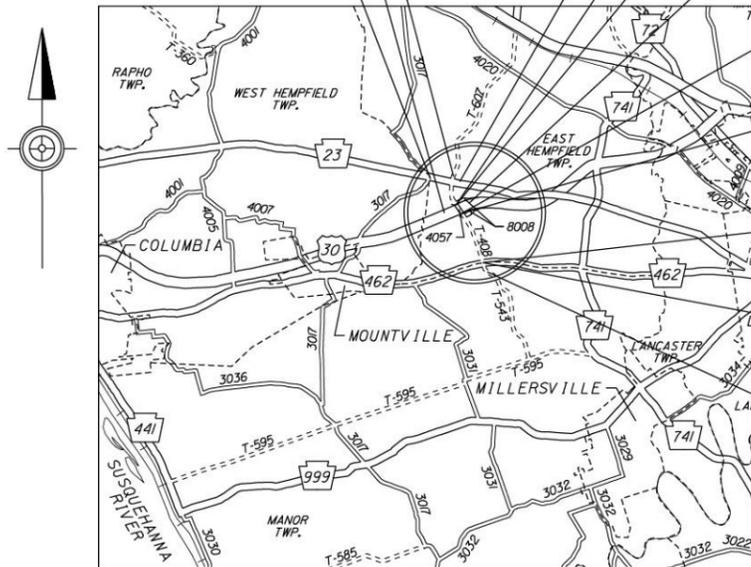
LIMIT OF WORK  
 STA. 49+30.09  
 T-408 SEC. LOC  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 49+30.09  
 SEG. 0010 OFF. 0000  
 S. R. 4057 SEC. 002  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 7+17.89  
 T-408 SEC. LOC  
 EAST HEMPFIELD TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 7+17.89  
 T-543 SEC. LOC  
 MANOR TOWNSHIP  
 LANCASTER COUNTY

LIMIT OF WORK  
 STA. 0+00.00  
 T-543 SEC. LOC  
 MANOR TOWNSHIP  
 LANCASTER COUNTY

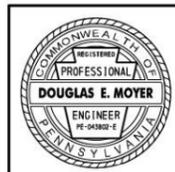


**LOCATION MAP**

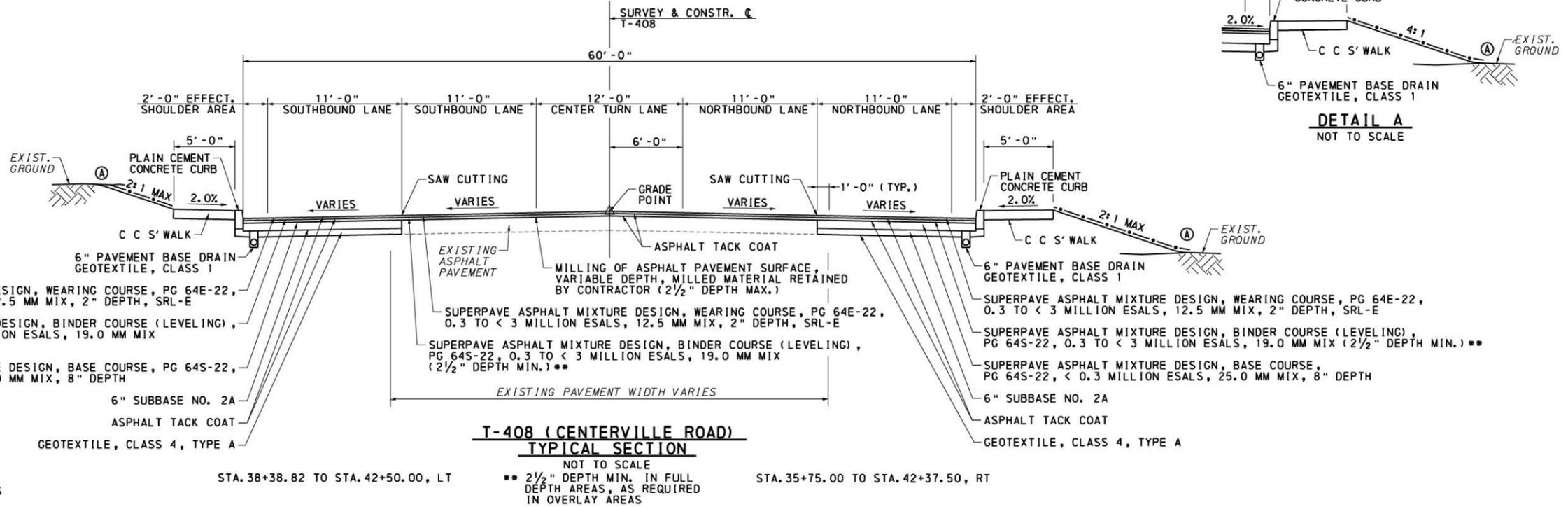
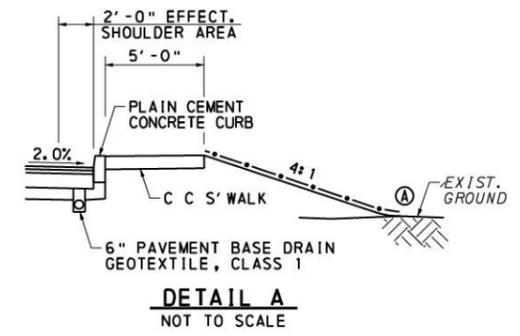
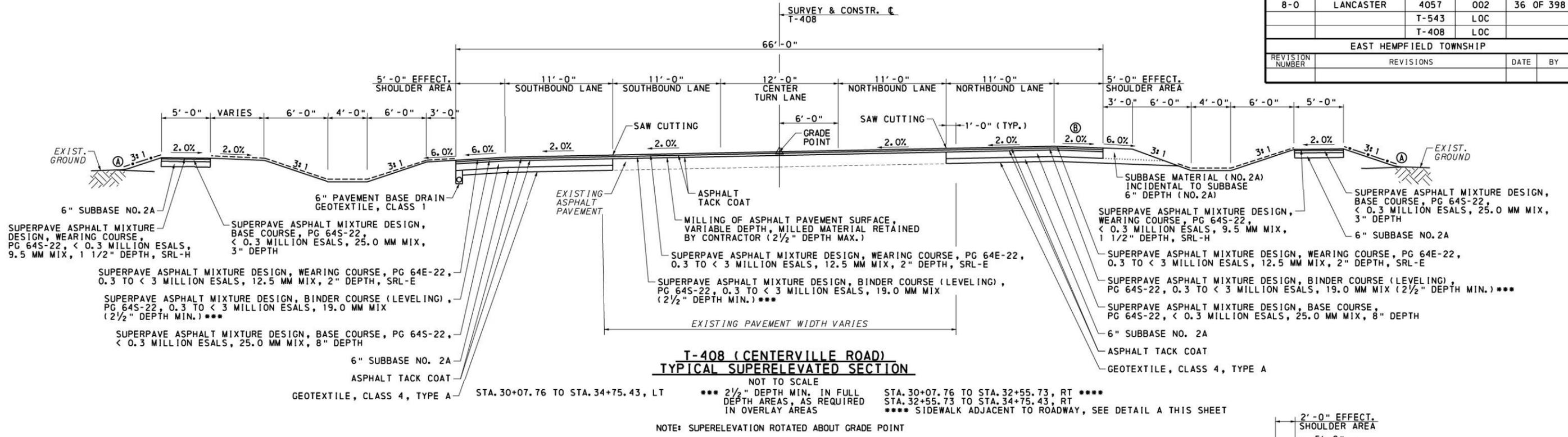


**LEGEND**

- PROJECT LOCATION
- STATE HIGHWAY
- - - TOWNSHIP ROAD
- - - TOWNSHIP LINE

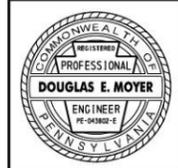


| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 4057  | 002     | 36 OF 398 |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

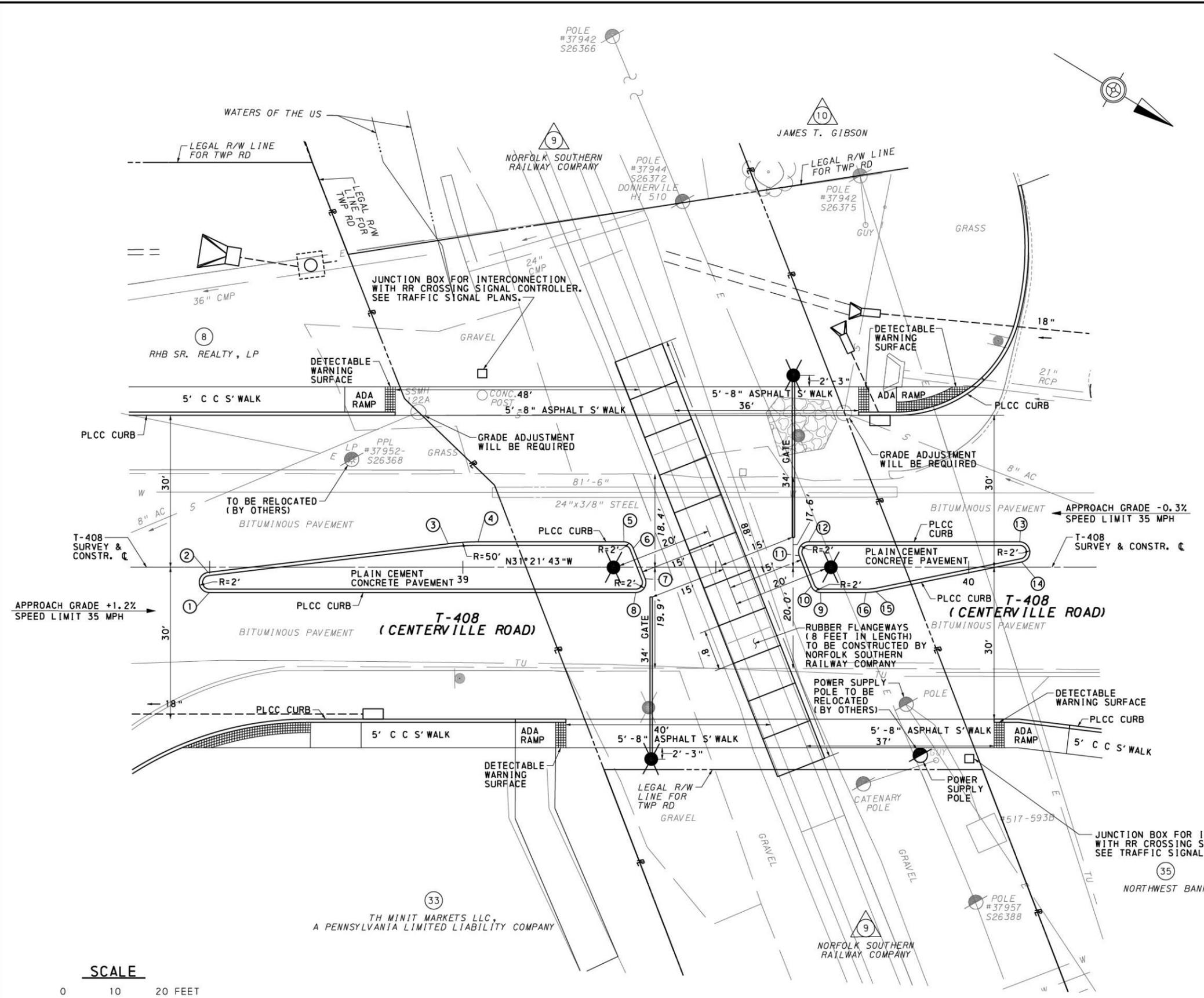


**LEGEND**

- Ⓐ SEE RC-10M FOR ROUNDING DETAILS
- Ⓑ SLOPE -2.00% WHEN RATE OF S/E EXCEEDS +2.00%
- SEEDING AND SOIL SUPPLEMENTS - FORMULA B
- SEEDING AND SOIL SUPPLEMENTS - FORMULA D
- SEEDING AND SOIL SUPPLEMENTS - FORMULA L

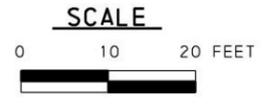


|                         |           |       |         |           |
|-------------------------|-----------|-------|---------|-----------|
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
| 8-0                     | LANCASTER | 4057  | 002     | 61 OF 398 |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

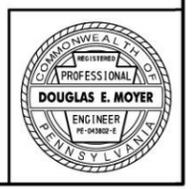


| POINT | BASELINE | STATION  | OFFSET (FEET) | GUTTERLINE ELEVATION (FEET) |
|-------|----------|----------|---------------|-----------------------------|
| 1     | T-408    | 38+49.92 | 5.00 RT       | 409.70                      |
| 2     | T-408    | 38+49.68 | 1.01 RT       | 409.73                      |
| 3     | T-408    | 38+97.11 | 4.65 LT       | 410.29                      |
| 4     | T-408    | 39+03.03 | 5.00 LT       | 410.39                      |
| 5     | T-408    | 39+31.84 | 5.00 LT       | 410.78                      |
| 6     | T-408    | 39+33.71 | 3.73 LT       | 410.79                      |
| 7     | T-408    | 39+36.05 | 2.27 RT       | 410.78                      |
| 8     | T-408    | 39+34.19 | 5.00 RT       | 410.73                      |
| 9     | T-408    | 39+70.73 | 5.00 RT       | 410.76                      |
| 10    | T-408    | 39+68.87 | 3.74 RT       | 410.75                      |
| 11    | T-408    | 39+66.50 | 2.26 LT       | 410.79                      |
| 12    | T-408    | 39+68.36 | 5.00 LT       | 410.76                      |
| 13    | T-408    | 40+10.07 | 5.00 LT       | 410.91                      |
| 14    | T-408    | 40+10.47 | 1.04 LT       | 410.95                      |
| 15    | T-408    | 39+81.66 | 4.80 RT       | 410.78                      |
| 16    | T-408    | 39+79.67 | 5.00 RT       | 410.77                      |

- GENERAL NOTES**
1. THE CONTRACTOR WILL NOT BE PERMITTED TO STORE ANY EQUIPMENT OR MATERIALS ON NORFOLK SOUTHERN RAILWAY COMPANY PROPERTY WITHOUT PERMISSION FROM THE NORFOLK SOUTHERN ENGINEER.
  2. THE CONTRACTOR WILL COORDINATE WITH THE NORFOLK SOUTHERN SIGNAL DEPARTMENT FOR PROTECTION OF THE CROSSING GATE/FLASHER IMPACTED BY THE PROPOSED CONSTRUCTION.
  3. NORFOLK SOUTHERN FORCES WILL REMOVE AND INSTALL THE PROPOSED VEHICULAR CROSSING TO 2'-0" BEYOND THE OUTSIDE EDGE OF EACH RAIL. THE CONTRACTOR WILL COORDINATE WITH NORFOLK SOUTHERN FOR THE SCHEDULING OF THIS WORK AND WILL PROVIDE THE MAINTENANCE AND PROTECTION OF TRAFFIC FOR THE RAILROAD CROSSING DETOUR.
  4. NORFOLK SOUTHERN FORCES WILL REPLACE THE AT-GRADE CROSSING WARNING DEVICES (GATES AND LIGHTS).
  5. NORFOLK SOUTHERN EXPENSES ACCRUED TO SUPPORT THIS PROJECT WILL BE BILLED DIRECTLY TO EAST HEMPFIELD TOWNSHIP UNLESS OTHERWISE PROVIDED FOR IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.



**NORFOLK SOUTHERN RAILROAD CROSSING DETAIL**



BM #3 ELEV. 412.02  
 40.33' LEFT STA. 39+87.13 T-408  
 N 263807.0444  
 E 2348010.7363  
 BOX CUT ON NW CORNER OF HEADWALL

| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET      |
|----------|-----------|-------|---------|------------|
| 8-0      | LANCASTER | 4057  | 002     | 326 OF 398 |
|          |           | T-543 | LOC     |            |
|          |           | T-408 | LOC     |            |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

FOR NORFOLK SOUTHERN RAILROAD CROSSING DETAIL, SEE SHEET 61 OF 398

NOTE:  
 CONTRACTOR TO LOCATE GAS LINE IN TRAFFIC CONTROL STAGE 1A AND COORDINATE NECESSARY RELOCATIONS WITH UGI. IF NOT FOUND TO BE WITHIN 3 FEET FROM THE BOTTOM OF DITCH FROM STA. 37+50 TO STA. 38+50, LT, NO RELOCATION WILL BE REQUIRED BY UGI.

T-408  
 P. I. STA. 33+05.57  
 $\Delta = 13^\circ 14' 00''$  LT.  
 T = 521.99'  
 L = 1,039.34'  
 R = 4,500.00'  
 E = 30.17'  
 P. C. STA. 27+83.57  
 P. T. STA. 38+22.91  
 S/E = VARIES

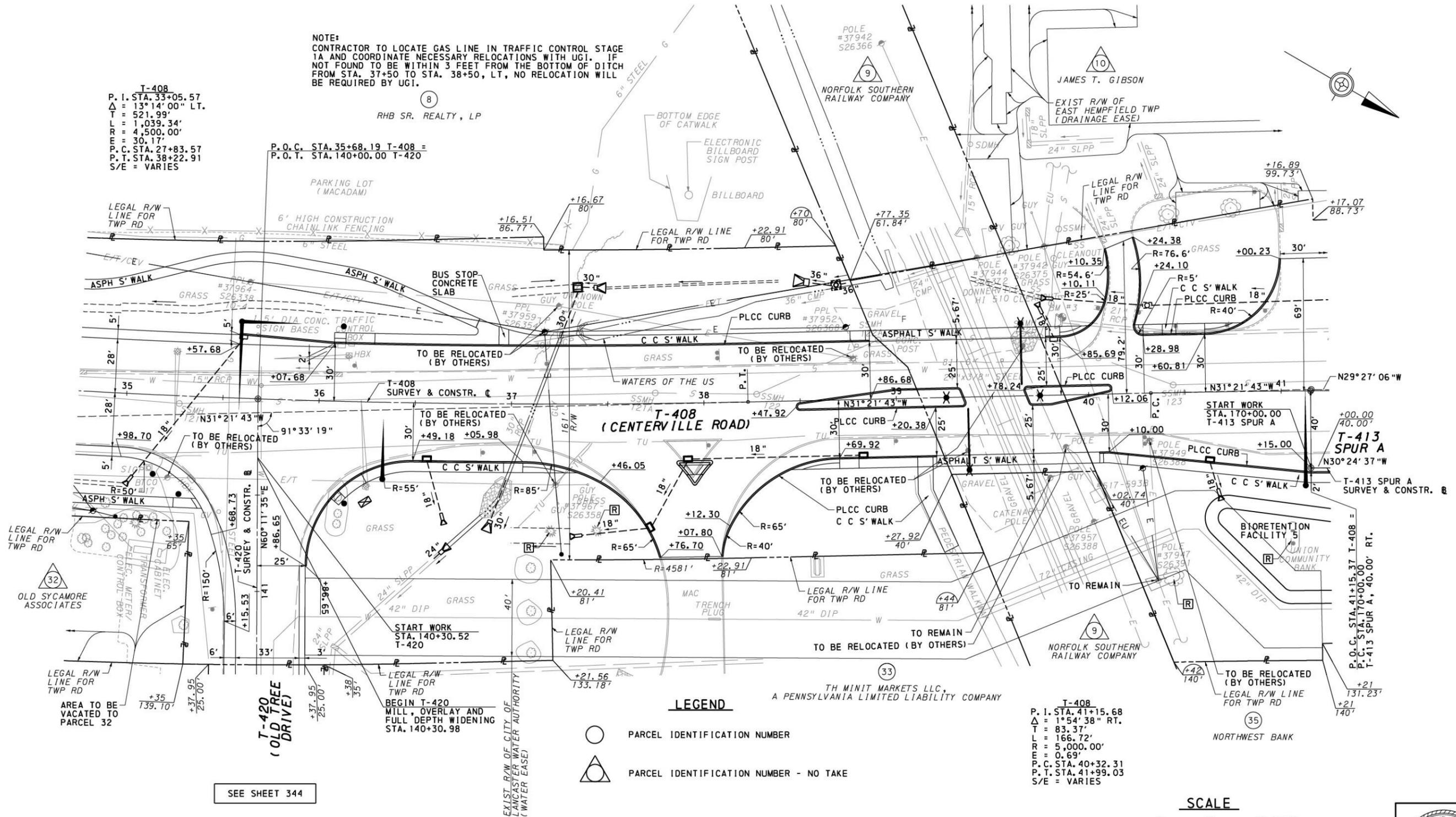
P. O. C. STA. 35+68.19 T-408 =  
 P. O. T. STA. 140+00.00 T-420

RHB SR. REALTY, LP

POLE #37942  
 526366  
 NORFOLK SOUTHERN RAILWAY COMPANY

JAMES T. GIBSON

EXIST R/W OF EAST HEMPFIELD TWP (DRAINAGE EASE)



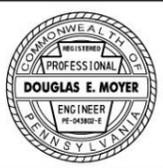
SEE SHEET 344

VACATIONS AS SHOWN ON THIS PLAN ARE EFFECTIVE ONLY AFTER AN ORDER OF VACATION HAS BEEN EXECUTED BY THE TOWNSHIP AND FILED IN THE APPROPRIATE COUNTY COURTHOUSE.

|  |
|--|
| FOR REFERENCE CIRCLES, SEE SHEETS 25 THRU 30 |
| FOR PROFILE T-408, SEE SHEET 352             |
| FOR PROFILE T-420, SEE SHEET 382             |
| FOR PROFILE T-413 SPUR A, SEE SHEET 384      |

NOTE:  
 FOR RAILROAD CROSSING DETAIL, SEE SHEET 61.

SURVEY BOOK NOS. 7118 (SCI), 7119, 7120, AND 7121

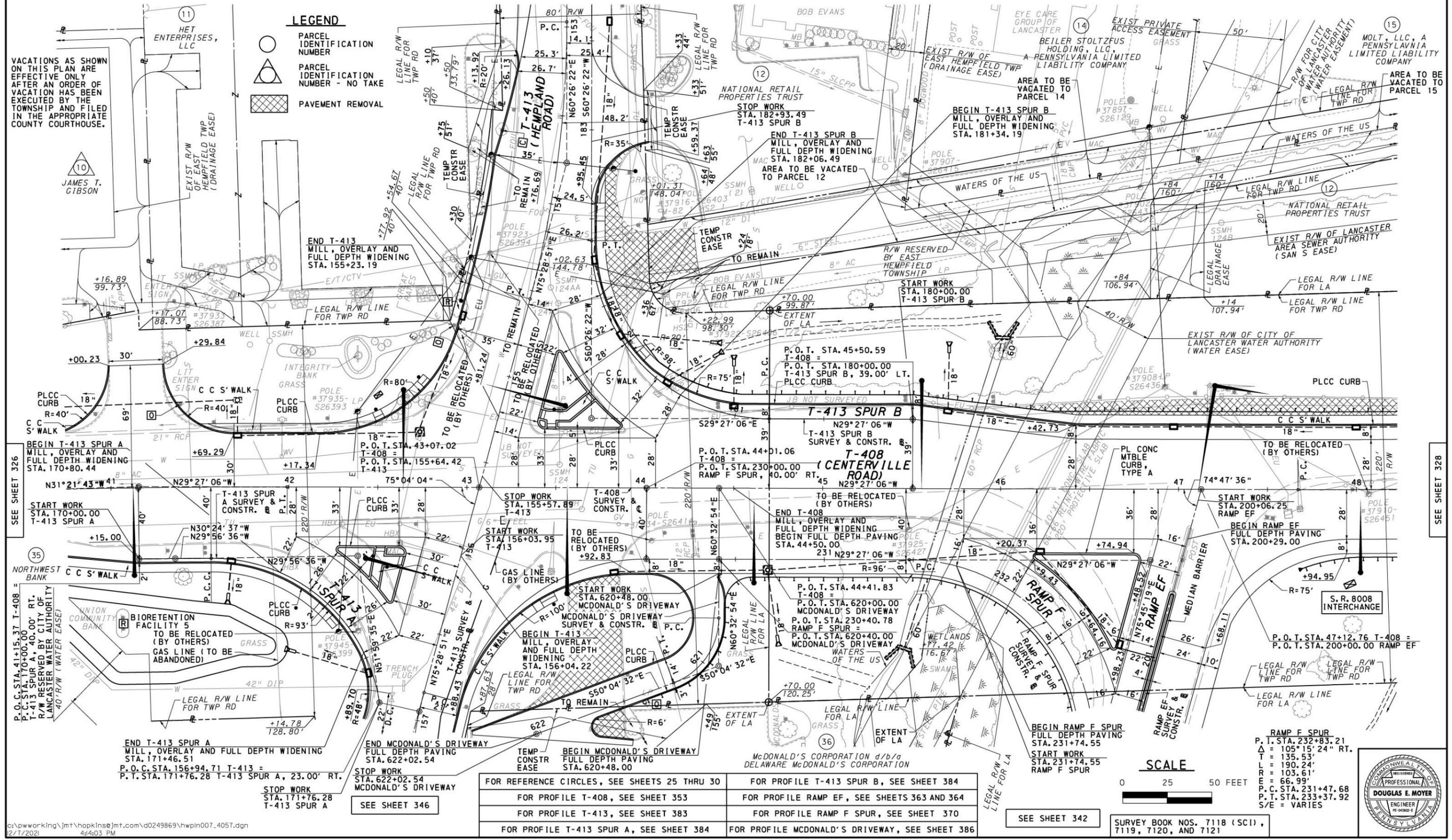


SEE SHEET 325

SEE SHEET 327

|  |  |   |   |   |   |  |  |  |
|--|--|---|---|---|---|--|--|--|
| <b>T-408</b><br>P. I. STA. 41+15.68<br>Δ = 1°54'38" RT.<br>T = 83.37'<br>L = 166.72'<br>R = 5,000.00'<br>E = 0.69'<br>P.C. STA. 40+32.31<br>P.T. STA. 41+99.03<br>S/E = 0.005% | <b>T-413</b><br>P. I. STA. 153+76.37<br>Δ = 15°02'29" RT.<br>T = 79.21'<br>L = 157.51'<br>R = 600.00'<br>E = 5.21'<br>P.C. STA. 152+97.16<br>P.T. STA. 154+54.67<br>S/E = VARIES | <b>T-413</b><br>P. I. STA. 157+80.16<br>Δ = 43°45'28" LT.<br>T = 96.38'<br>L = 183.29'<br>R = 240.00'<br>E = 18.63'<br>P.C. STA. 156+83.79<br>P.T. STA. 158+67.08<br>S/E = VARIES | <b>T-413 SPUR A</b><br>P. I. STA. 170+20.21<br>Δ = 0°28'01" RT.<br>T = 20.21'<br>L = 40.42'<br>R = 4,960.00'<br>E = 0.04'<br>P.C. STA. 170+00.00<br>P.T. STA. 170+40.42<br>S/E = VARIES | <b>PARCEL 12</b><br>PARKING SPACE IMPACTS<br>TEMPORARY 11<br>PERMANENT 3<br><br>SEE SHEET 345 | <b>T-413 SPUR A</b><br>P. I. STA. 171+22.91<br>Δ = 81°56'11" RT.<br>T = 82.49'<br>L = 135.86'<br>R = 95.00'<br>E = 30.82'<br>P.C. STA. 170+40.42<br>P.T. STA. 171+76.28<br>S/E = VARIES | <b>MCDONALD'S DRIVEWAY</b><br>P. I. STA. 620+99.99<br>Δ = 69°22'34" RT.<br>T = 26.99'<br>L = 47.22'<br>R = 39.00'<br>E = 8.43'<br>P.C. STA. 620+73.00<br>P.T. STA. 621+20.22<br>S/E = VARIES | <b>T-413 SPUR B</b><br>P. I. STA. 181+80.60<br>Δ = 89°53'28" RT.<br>T = 99.81'<br>L = 156.89'<br>R = 100.00'<br>E = 41.29'<br>P.C. STA. 180+80.79<br>P.T. STA. 182+37.68<br>S/E = VARIES | <b>T-408</b><br>P. I. STA. 48+50.58<br>Δ = 1°54'38" LT.<br>T = 83.37'<br>L = 166.72'<br>R = 5,000.00'<br>E = 0.69'<br>P.C. STA. 47+67.21<br>P.T. STA. 49+33.93<br>S/E = NC |
|--|--|---|---|---|---|--|--|--|

| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET      |    |
|-------------------------|-----------|-------|---------|------------|----|
| 8-0                     | LANCASTER | 4057  | 002     | 327 OF 398 |    |
|                         |           |       | T-543   | LOC        |    |
|                         |           |       | T-408   | LOC        |    |
| EAST HEMPFIELD TOWNSHIP |           |       |         |            |    |
| REVISION NUMBER         | REVISIONS |       |         | DATE       | BY |
|                         |           |       |         |            |    |



**LEGEND**

|  |  |
|--|--|
|  | PARCEL IDENTIFICATION NUMBER           |
|  | PARCEL IDENTIFICATION NUMBER - NO TAKE |
|  | PAVEMENT REMOVAL                       |

VACATIONS AS SHOWN ON THIS PLAN ARE EFFECTIVE ONLY AFTER AN ORDER OF VACATION HAS BEEN EXECUTED BY THE TOWNSHIP AND FILED IN THE APPROPRIATE COUNTY COURTHOUSE.

**SCALE**

0 25 50 FEET

SEE SHEET 342

FOR REFERENCE CIRCLES, SEE SHEETS 25 THRU 30

FOR PROFILE T-413 SPUR B, SEE SHEET 384

FOR PROFILE T-408, SEE SHEET 353

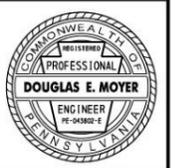
FOR PROFILE RAMP EF, SEE SHEETS 363 AND 364

FOR PROFILE T-413, SEE SHEET 383

FOR PROFILE RAMP F SPUR, SEE SHEET 370

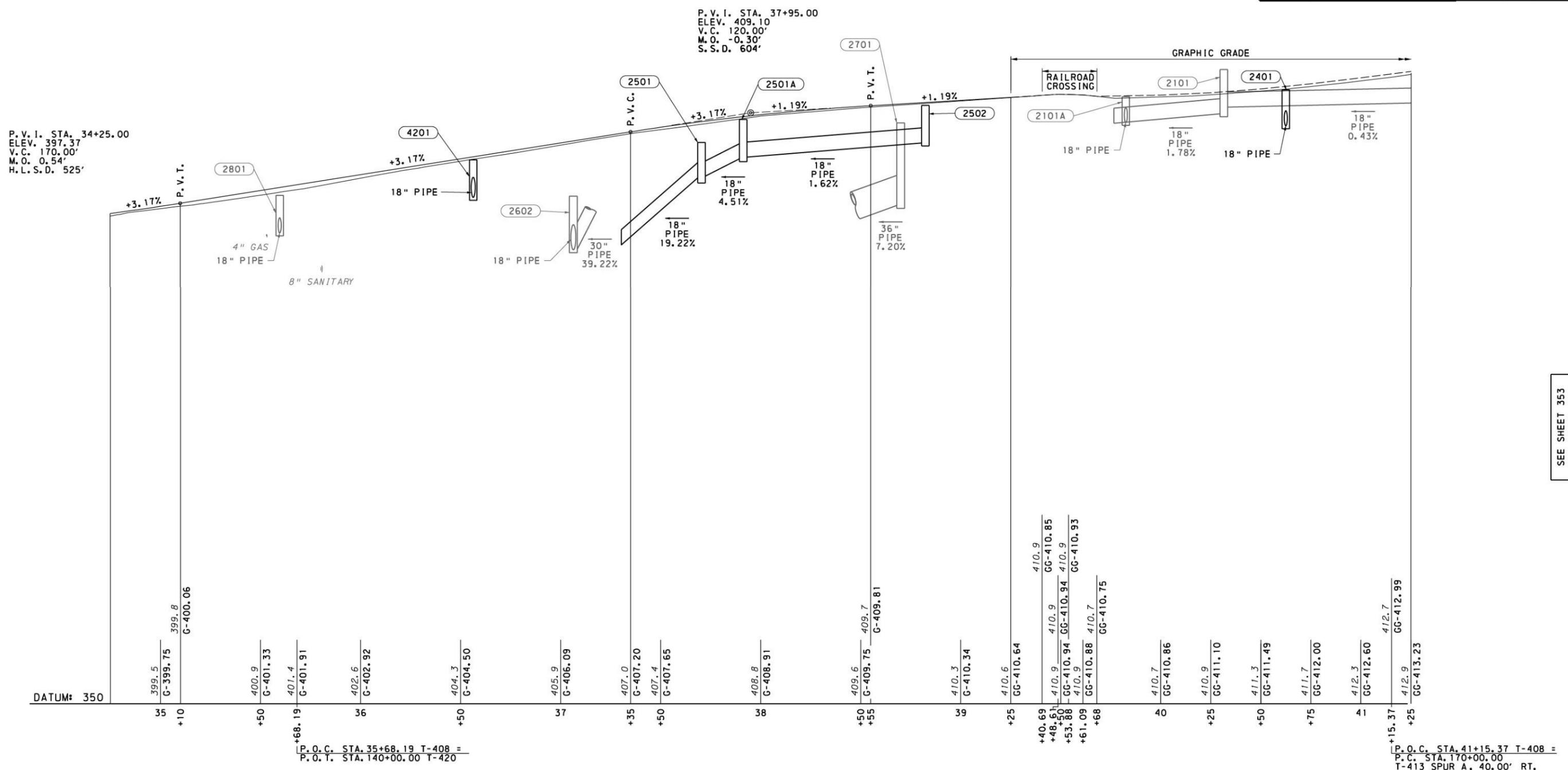
FOR PROFILE T-413 SPUR A, SEE SHEET 384

FOR PROFILE MCDONALD'S DRIVEWAY, SEE SHEET 386





|                         |           |       |         |            |
|-------------------------|-----------|-------|---------|------------|
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET      |
| 8-0                     | LANCASTER | 4057  | 002     | 352 OF 398 |
|                         |           | T-543 | LOC     |            |
|                         |           | T-408 | LOC     |            |
| EAST HEMPFIELD TOWNSHIP |           |       |         |            |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |            |



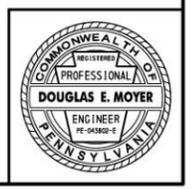
SEE SHEET 351

SEE SHEET 353

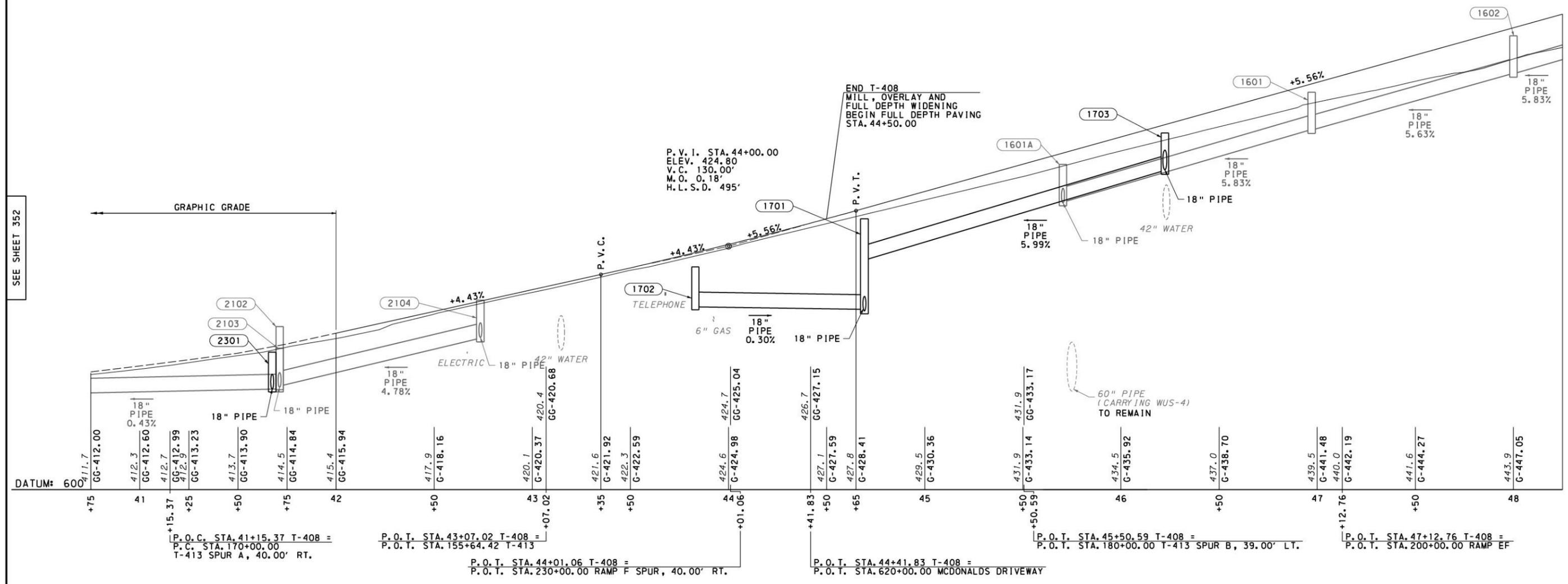
**T-408  
(CENTERVILLE ROAD)**



FOR PLAN, SEE SHEET 326



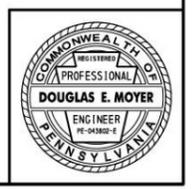
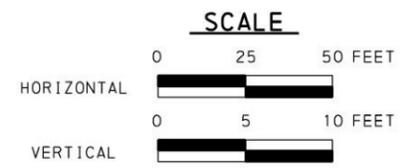
|                         |           |       |         |            |
|-------------------------|-----------|-------|---------|------------|
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET      |
| 8-0                     | LANCASTER | 4057  | 002     | 353 OF 398 |
|                         |           | T-543 | LOC     |            |
|                         |           | T-408 | LOC     |            |
| EAST HEMPFIELD TOWNSHIP |           |       |         |            |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |            |



SEE SHEET 352

SEE SHEET 354

**T-408  
(CENTERVILLE ROAD)**









LEGEND

- W/4" - EXISTING WHITE LINE/WIDTH
- BW/6" - EXISTING BROKEN WHITE LINE/WIDTH
- DY/4" - EXISTING DOUBLE YELLOW LINE/WIDTH
- (Symbol) - EXISTING PAVEMENT MARKING SYMBOL
- (Symbol) - EXISTING SIGN LOCATION
- (Symbol) - PROPOSED SIGN LOCATION, 1 POST
- (Symbol) - PROPOSED SIGN LOCATION, 2 POSTS
- W/4" - SOLID WHITE LINE/WIDTH
- W/6" - SOLID WHITE LINE/WIDTH
- BW/6" - BROKEN WHITE LINE/WIDTH
- AW/8" - AUXILIARY WHITE LINE/WIDTH
- W/24" - SOLID WHITE LINE/WIDTH
- DW/6" - DOTTED WHITE LINE/WIDTH
- Y/4" - SOLID YELLOW LINE/WIDTH
- DY/4" - SOLID DOUBLE YELLOW LINE/WIDTH
- BY/4" - BROKEN YELLOW LINE/WIDTH
- (Symbol) - PAVEMENT MARKING SYMBOL
- (Symbol) - PAVEMENT MARKING LEGEND

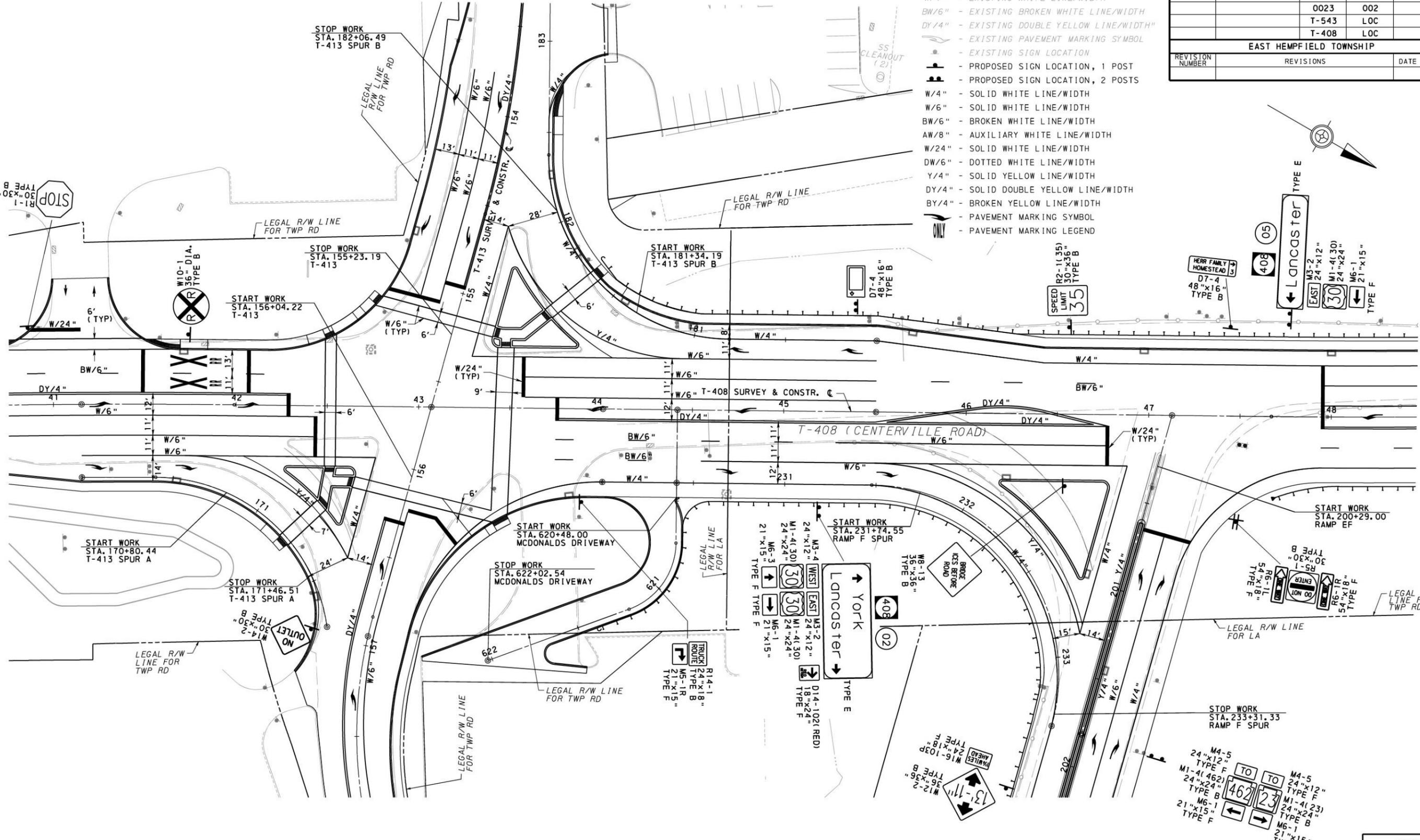
| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET    |
|----------|-----------|-------|---------|----------|
| 8-0      | LANCASTER | 0030  | 145     | 32 OF 51 |
|          |           | 4057  | 002     |          |
|          |           | 0023  | 002     |          |
|          |           | T-543 | LOC     |          |
|          |           | T-408 | LOC     |          |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

SEE PLAN SHEET 30 OF 51

SEE PLAN SHEET 35 OF 51



SIGNING AND PAVEMENT MARKING PLAN



DETECTION INFORMATION

| DETECTOR | DETECTION ZONES & AREAS | MODE     | ROUTE                   | LOCATION MAST ARM | PHASE |
|----------|-------------------------|----------|-------------------------|-------------------|-------|
| ①        | ZONES 1 & 2             | PRESENCE | T-408 (CENTERVILLE RD.) | ▲                 | 02    |
| ②        | ZONES 3 & 4             | PRESENCE | T-408 (CENTERVILLE RD.) | ▲                 | 06    |
| ③        | ⑧*⑨*⑩<br>⑪*⑫*           | PRESENCE | T-408 (CENTERVILLE RD.) | ▲                 | 01    |
| ④        | ⑤*⑥*⑦                   | PRESENCE | T-420 (OLD TREE DR.)    | ▲                 | 08    |
| ⑤        | ①*②*③*④*                | PRESENCE | T-408 (CENTERVILLE RD.) | ▲                 | N/A   |

\* DETECTION AREA IS USED EXCLUSIVELY FOR TRAFFIC VOLUME DATA COLLECTION.

ADVANCE DILEMMA ZONE NOTES (ZONES 1 & 4)

ESTIMATED TIME OF ARRIVAL: MIN 2.5 - MAX 5.5 SEC.  
 RANGE OF DETECTION: MIN 100 - MAX 350 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 25 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

DENSITY ZONE NOTES (ZONES 2 & 3)

RANGE OF DETECTION: MIN 0 - MAX 100 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 1 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

DETECTOR NOTES

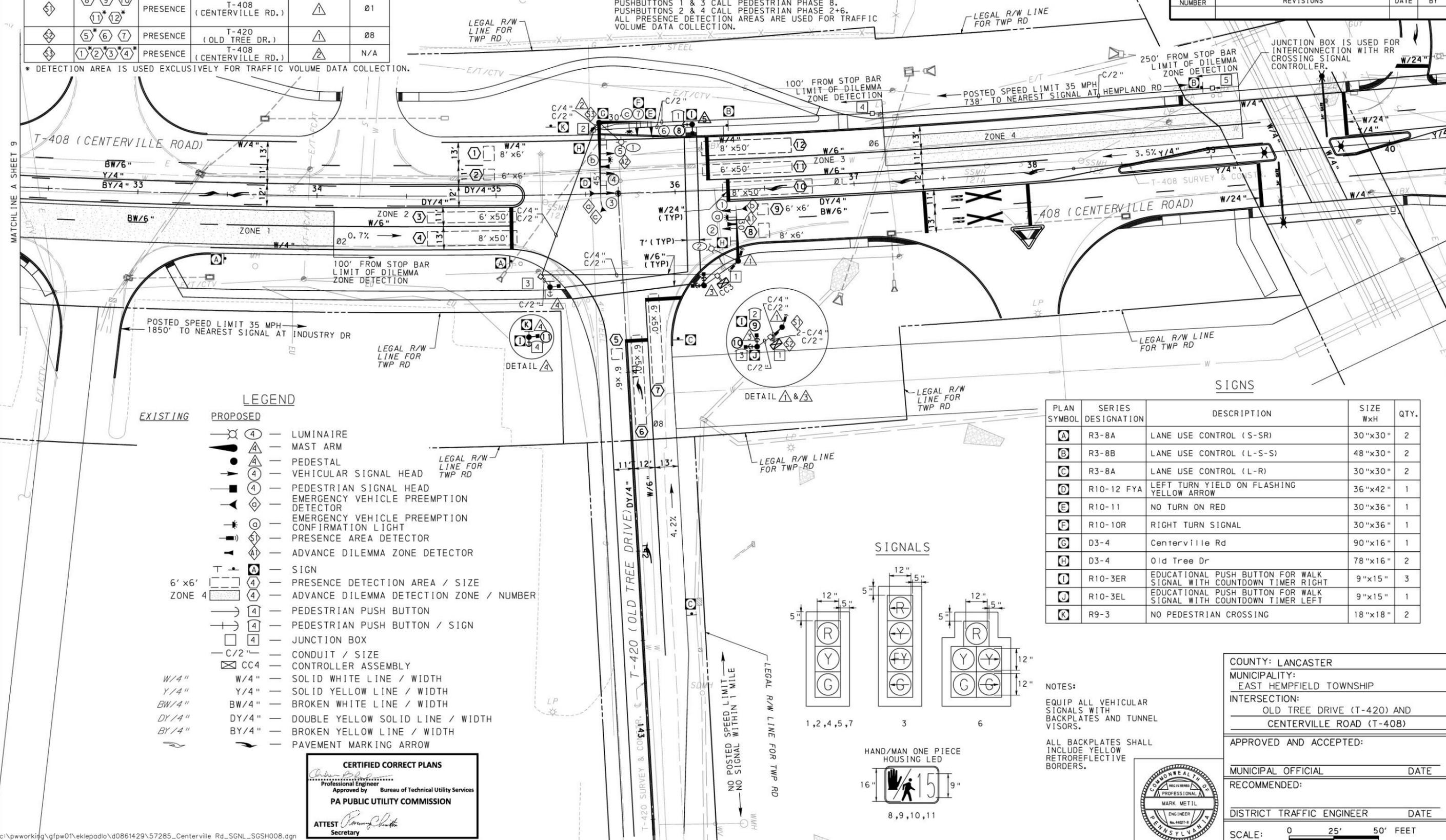
8 SECOND DELAY ON DETECTION AREA 5.  
 PUSHBUTTONS 1 & 3 CALL PEDESTRIAN PHASE 8.  
 PUSHBUTTONS 2 & 4 CALL PEDESTRIAN PHASE 2+6.  
 ALL PRESENCE DETECTION AREAS ARE USED FOR TRAFFIC VOLUME DATA COLLECTION.

| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET   |
|----------|-----------|-------|---------|---------|
| 8-0      | LANCASTER | 0030  | 145     | 8 OF 39 |
|          |           | 4057  | 002     |         |
|          |           | 0023  | 002     |         |
|          |           | T-543 | LOC     |         |
|          |           | T-408 | LOC     |         |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

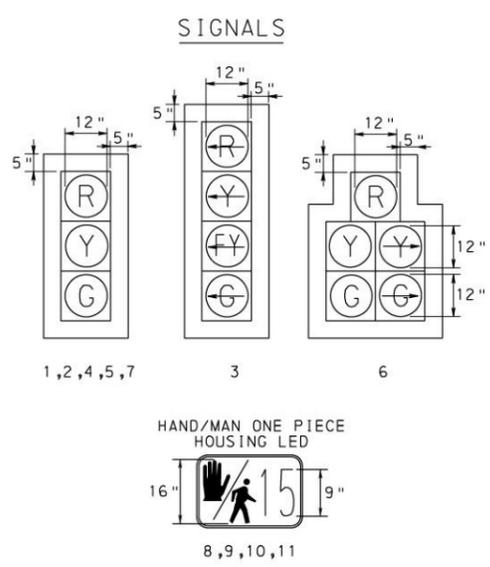
MATCHLINE A SHEET 9



LEGEND

- |  |   |  |   |
|--|---|--|---|
|  | EXISTING  |  | PROPOSED                                |
|  | LUMINAIRE                                       |  | MAST ARM                                |
|  | PEDESTAL  |  | VEHICULAR SIGNAL HEAD                   |
|  | PEDESTRIAN SIGNAL HEAD                          |  | EMERGENCY VEHICLE PREEMPTION DETECTOR   |
|  | EMERGENCY VEHICLE PREEMPTION CONFIRMATION LIGHT |  | PRESENCE AREA DETECTOR                  |
|  | ADVANCE DILEMMA ZONE DETECTOR                   |  | SIGN                                    |
|  | PRESENCE DETECTION AREA / SIZE                  |  | ADVANCE DILEMMA DETECTION ZONE / NUMBER |
|  | PEDESTRIAN PUSH BUTTON                          |  | PEDESTRIAN PUSH BUTTON / SIGN           |
|  | JUNCTION BOX                                    |  | CONDUIT / SIZE                          |
|  | CONTROLLER ASSEMBLY                             |  | SOLID WHITE LINE / WIDTH                |
|  | SOLID YELLOW LINE / WIDTH                       |  | BROKEN WHITE LINE / WIDTH               |
|  | DOUBLE YELLOW SOLID LINE / WIDTH                |  | BROKEN YELLOW LINE / WIDTH              |
|  | PAVEMENT MARKING ARROW                          |  |   |

| PLAN SYMBOL | SERIES DESIGNATION | DESCRIPTION  | SIZE WxH | QTY. |
|-------------|--------------------|--|----------|------|
| A           | R3-8A              | LANE USE CONTROL (S-SR)  | 30"x30"  | 2    |
| B           | R3-8B              | LANE USE CONTROL (L-S-S)   | 48"x30"  | 2    |
| C           | R3-8A              | LANE USE CONTROL (L-R)   | 30"x30"  | 2    |
| D           | R10-12 FYA         | LEFT TURN YIELD ON FLASHING YELLOW ARROW                           | 36"x42"  | 1    |
| E           | R10-11             | NO TURN ON RED   | 30"x36"  | 1    |
| F           | R10-10R            | RIGHT TURN SIGNAL  | 30"x36"  | 1    |
| G           | D3-4               | Centerville Rd   | 90"x16"  | 1    |
| H           | D3-4               | Old Tree Dr  | 78"x16"  | 2    |
| I           | R10-3ER            | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER RIGHT | 9"x15"   | 3    |
| J           | R10-3EL            | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER LEFT  | 9"x15"   | 1    |
| K           | R9-3               | NO PEDESTRIAN CROSSING   | 18"x18"  | 2    |



NOTES:  
 EQUIP ALL VEHICULAR SIGNALS WITH BACKPLATES AND TUNNEL VISORS.  
 ALL BACKPLATES SHALL INCLUDE YELLOW RETROREFLECTIVE BORDERS.

**CERTIFIED CORRECT PLANS**  
 Approved by Bureau of Technical Utility Services  
**PA PUBLIC UTILITY COMMISSION**  
 ATTEST Secretary

COUNTY: LANCASTER  
 MUNICIPALITY: EAST HEMPFIELD TOWNSHIP  
 INTERSECTION: OLD TREE DRIVE (T-420) AND CENTERVILLE ROAD (T-408)

APPROVED AND ACCEPTED:  
 MUNICIPAL OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED:  
 DISTRICT TRAFFIC ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 SCALE: 0 25' 50' FEET







### LEGEND

| EXISTING | PROPOSED | DESCRIPTION                                     |
|----------|----------|---|
| ⊙        | ④        | LUMINAIRE                                       |
| ⊙        | ⊙        | MAST ARM  |
| ⊙        | ⊙        | PEDESTAL  |
| ⊙        | ⊙        | VEHICULAR SIGNAL HEAD                           |
| ⊙        | ⊙        | PEDESTRIAN SIGNAL HEAD                          |
| ⊙        | ⊙        | EMERGENCY VEHICLE PREEMPTION DETECTOR           |
| ⊙        | ⊙        | EMERGENCY VEHICLE PREEMPTION CONFIRMATION LIGHT |
| ⊙        | ⊙        | PRESENCE AREA DETECTOR                          |
| ⊙        | ⊙        | ADVANCE DILEMMA ZONE DETECTOR                   |
| ⊙        | ⊙        | SIGN  |
| ⊙        | ⊙        | PRESENCE DETECTION AREA / SIZE                  |
| ⊙        | ⊙        | ADVANCE DILEMMA DETECTION ZONE / NUMBER         |
| ⊙        | ⊙        | PEDESTRIAN PUSH BUTTON                          |
| ⊙        | ⊙        | PEDESTRIAN PUSH BUTTON / SIGN                   |
| ⊙        | ⊙        | JUNCTION BOX                                    |
| ⊙        | ⊙        | CONDUIT / SIZE                                  |
| ⊙        | ⊙        | CONTROLLER ASSEMBLY                             |
| ⊙        | ⊙        | SOLID WHITE LINE / WIDTH                        |
| ⊙        | ⊙        | SOLID YELLOW LINE / WIDTH                       |
| ⊙        | ⊙        | BROKEN WHITE LINE / WIDTH                       |
| ⊙        | ⊙        | DOUBLE YELLOW SOLID LINE / WIDTH                |
| ⊙        | ⊙        | BROKEN YELLOW LINE / WIDTH                      |
| ⊙        | ⊙        | PAVEMENT MARKING ARROW                          |

### ADVANCE DILEMMA ZONE NOTES ( ZONES 1 & 4 )

ESTIMATED TIME OF ARRIVAL: MIN 2.5 - MAX 5.5 SEC.  
 RANGE OF DETECTION: MIN 100 - MAX 250 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 25 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

### DENSITY ZONE NOTES ( ZONES 2 & 3 )

RANGE OF DETECTION: MIN 0 - MAX 100 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 1 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

### DETECTOR NOTES

8 SECOND DELAY ON DETECTION AREA 20.  
 PUSHBUTTONS 1, 4, 6 & 8 CALL PEDESTRIAN PHASE 4+8.  
 PUSHBUTTONS 2, 3, 5, & 7 CALL PEDESTRIAN PHASE 2+6.  
 ALL PRESENCE DETECTION AREAS ARE USED FOR TRAFFIC VOLUME DATA COLLECTION.

| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET    |
|----------|-----------|-------|---------|----------|
| 8-0      | LANCASTER | 0030  | 145     | 11 OF 39 |
|          |           | 4057  | 002     |          |
|          |           | 0023  | 002     |          |
|          |           | T-543 | LOC     |          |
|          |           | T-408 | LOC     |          |

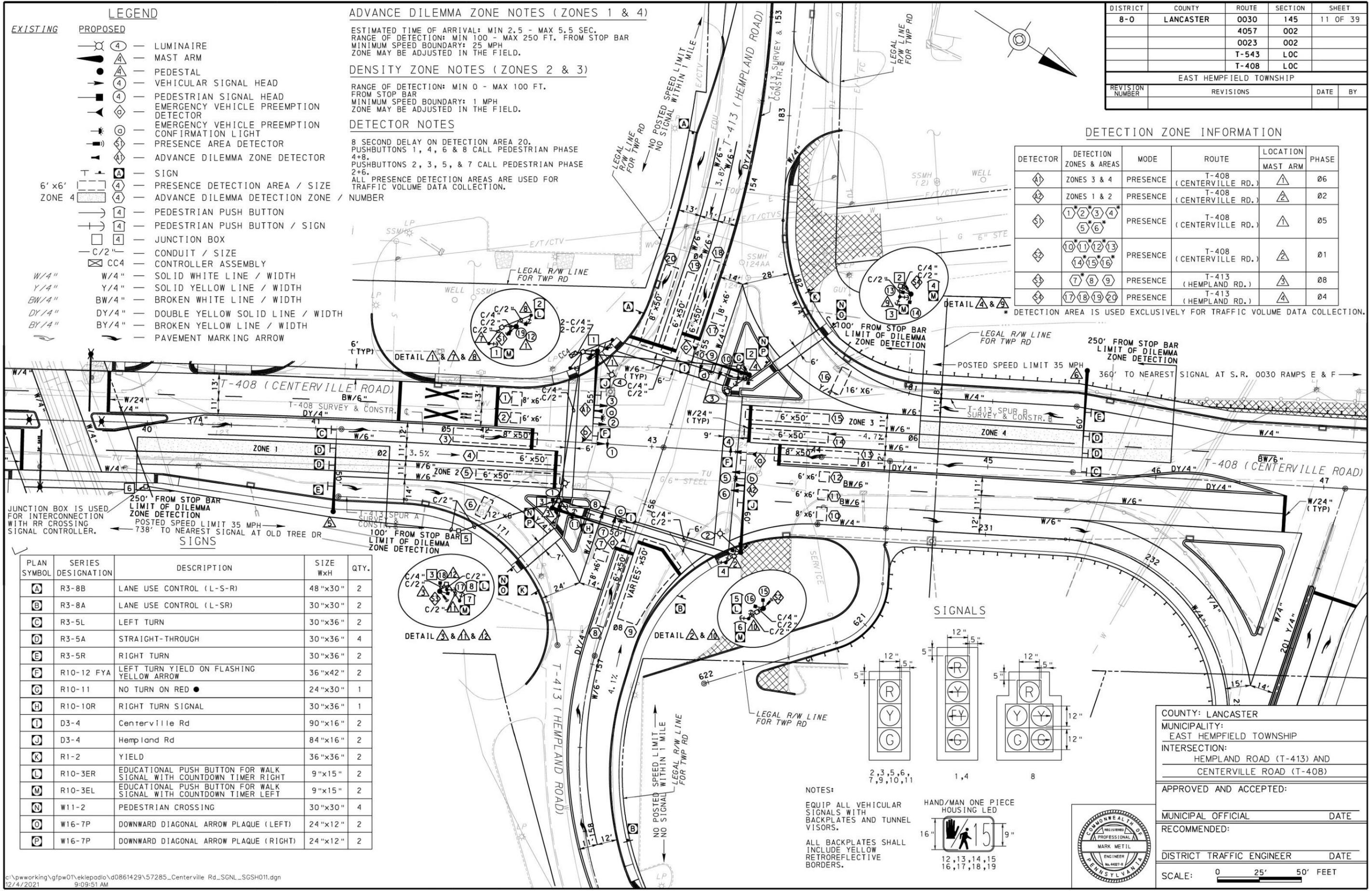
| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

### DETECTION ZONE INFORMATION

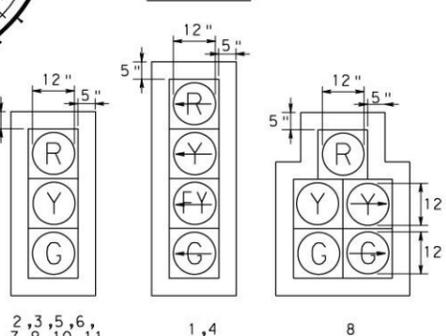
| DETECTOR | DETECTION ZONES & AREAS | MODE     | ROUTE                   | LOCATION | PHASE |
|----------|-------------------------|----------|-------------------------|----------|-------|
| ①        | ZONES 3 & 4             | PRESENCE | T-408 (CENTERVILLE RD.) | ①        | 06    |
| ②        | ZONES 1 & 2             | PRESENCE | T-408 (CENTERVILLE RD.) | ②        | 02    |
| ③        | ①②③④<br>⑤⑥              | PRESENCE | T-408 (CENTERVILLE RD.) | ③        | 05    |
| ④        | ⑩⑪⑫⑬<br>⑭⑮⑯             | PRESENCE | T-408 (CENTERVILLE RD.) | ④        | 01    |
| ⑤        | ⑦⑧⑨                     | PRESENCE | T-413 (HEMPLAND RD.)    | ⑤        | 08    |
| ⑥        | ⑰⑱⑲⑳                    | PRESENCE | T-413 (HEMPLAND RD.)    | ⑥        | 04    |

\* DETECTION AREA IS USED EXCLUSIVELY FOR TRAFFIC VOLUME DATA COLLECTION.

| PLAN SYMBOL | SERIES DESIGNATION | DESCRIPTION  | SIZE WxH | QTY. |
|-------------|--------------------|--|----------|------|
| A           | R3-8B              | LANE USE CONTROL (L-S-R)   | 48"x30"  | 2    |
| B           | R3-8A              | LANE USE CONTROL (L-SR)  | 30"x30"  | 2    |
| C           | R3-5L              | LEFT TURN  | 30"x36"  | 2    |
| D           | R3-5A              | STRAIGHT-THROUGH   | 30"x36"  | 4    |
| E           | R3-5R              | RIGHT TURN   | 30"x36"  | 2    |
| F           | R10-12 FYA         | LEFT TURN YIELD ON FLASHING YELLOW ARROW                           | 36"x42"  | 2    |
| G           | R10-11             | NO TURN ON RED ●   | 24"x30"  | 1    |
| H           | R10-10R            | RIGHT TURN SIGNAL  | 30"x36"  | 1    |
| I           | D3-4               | Centerville Rd   | 90"x16"  | 2    |
| J           | D3-4               | Hempland Rd  | 84"x16"  | 2    |
| K           | R1-2               | YIELD  | 36"x36"  | 2    |
| L           | R10-3ER            | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER RIGHT | 9"x15"   | 2    |
| M           | R10-3EL            | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER LEFT  | 9"x15"   | 2    |
| N           | W11-2              | PEDESTRIAN CROSSING  | 30"x30"  | 4    |
| O           | W16-7P             | DOWNWARD DIAGONAL ARROW PLAQUE (LEFT)                              | 24"x12"  | 2    |
| P           | W16-7P             | DOWNWARD DIAGONAL ARROW PLAQUE (RIGHT)                             | 24"x12"  | 2    |



### SIGNALS



NOTES:  
 EQUIP ALL VEHICULAR SIGNALS WITH BACKPLATES AND TUNNEL VISORS.  
 ALL BACKPLATES SHALL INCLUDE YELLOW RETROREFLECTIVE BORDERS.



COUNTY: LANCASTER  
 MUNICIPALITY: EAST HEMPFIELD TOWNSHIP  
 INTERSECTION: HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408)

APPROVED AND ACCEPTED:  
 MUNICIPAL OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_  
 RECOMMENDED:  
 DISTRICT TRAFFIC ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 SCALE: 0 25' 50' FEET





TRAFFIC SIGNAL SUPPORTS\*\*\*

| STRUC. NO. | ITEM NO.  | DESCRIPTION   | ROUTE | STATION  | SIDE | OFFSET | H*  | K  | MAST ARM        |     |     |     |     |     |               |     |     |     |     |  |
|------------|-----------|---|-------|----------|------|--------|-----|----|-----------------|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|--|
|            |           |   |       |          |      |        |     |    | ARM "A"         |     |     |     |     |     | ARM "C"       |     |     |     |     |  |
|            |           |   |       |          |      |        |     |    | SIGNAL LOCATION |     |     |     |     |     | SIGN LOCATION |     |     |     |     |  |
| L          | M         | N   | O     | P        | R    | S      | T   | U  | W               | G   | X   | Z   |     |     |               |     |     |     |     |  |
| △          | 0951-2155 | TRAFFIC SIGNAL SUPPORT,**<br>55' MAST ARM WITH<br>LUMINAIRE ARM (30' MOUNTING HEIGHT) | T-408 | 42+64.3  | LT   | 54.8'  | 17' | 9' | 55'             | 54' | 42' | 31' | 49' | 25' |               | 0°  | 15' | 30' | 34° |  |
| △          | 0951-2160 | TRAFFIC SIGNAL SUPPORT,**<br>60' MAST ARM WITH<br>LUMINAIRE ARM (30' MOUNTING HEIGHT) | T-408 | 43+56.5  | RT   | 59.5'  | 17' |    | 60'             | 58' | 46' | 35' | 54' | 28' |               | 0°  | 15' | 30' | 51° |  |
| △          | 0951-2150 | TRAFFIC SIGNAL SUPPORT,<br>50' MAST ARM WITH<br>LUMINAIRE ARM (30' MOUNTING HEIGHT)   | T-413 | 156+19.4 | RT   | 51.3'  | 17' | 9' | 50'             | 36' | 28' | 17' | 45' | 22' |               | 0°  | 15' | 30' | 81° |  |
| △          | 0951-2140 | TRAFFIC SIGNAL SUPPORT,<br>40' MAST ARM WITH<br>LUMINAIRE ARM (30' MOUNTING HEIGHT)   | T-413 | 155+7.5  | LT   | 37.3'  | 17' | 9' | 40'             | 28' | 16' |     | 34' | 11' |               | 0°  | 15' | 30' | 55° |  |
| △          | 0951-0150 | TRAFFIC SIGNAL SUPPORT,**<br>50' MAST ARM   | T-408 | 41+12.6  | RT   | 49.1'  |     |    | 50'             |     |     |     | 47' | 37' | 26'           | 14' | 0°  |     |     |  |
| △          | 0951-0160 | TRAFFIC SIGNAL SUPPORT,**<br>60' MAST ARM   | T-408 | 45+55.7  | LT   | 60.6'  |     |    | 60'             |     |     |     | 59' | 48' | 38'           | 24' | 0°  |     |     |  |
| △          | 0951-4022 | PEDESTRIAN STUB POLE, TYPE B  | T-408 | 42+48.8  | LT   | 43.7'  |     |    |                 |     |     |     |     |     |               |     |     |     |     |  |
| △          | 0951-4022 | PEDESTRIAN STUB POLE, TYPE B  | T-413 | 155+13.3 | RT   | 49.0'  |     |    |                 |     |     |     |     |     |               |     |     |     |     |  |
| △          | 0951-4025 | PEDESTRIAN STUB POLE, TYPE E  | T-413 | 155+11.1 | LT   | 29.1'  |     |    |                 |     |     |     |     |     |               |     |     |     |     |  |
| △          | 0951-4022 | PEDESTRIAN STUB POLE, TYPE B  | T-408 | 43+48.1  | RT   | 66.1'  |     |    |                 |     |     |     |     |     |               |     |     |     |     |  |
| △          | 0951-4025 | PEDESTRIAN STUB POLE, TYPE E  | T-413 | 156+21.0 | RT   | 38.4'  |     |    |                 |     |     |     |     |     |               |     |     |     |     |  |
| △          | 0951-4025 | PEDESTRIAN STUB POLE, TYPE E  | T-413 | 156+17.1 | RT   | 47.7'  |     |    |                 |     |     |     |     |     |               |     |     |     |     |  |

\* CONTRACTOR TO ASSUME RESPONSIBILITY FOR VERIFICATION OF ROADWAY AND TOP OF FOUNDATION ELEVATION TO ENSURE PROPER VERTICAL CLEARANCE PRIOR TO DETERMINING THIS DIMENSION.  
\*\* EQUIP WITH HARMONIC DAMPENING DEVICE.  
\*\*\* REFER TO TRAFFIC STANDARDS - SIGNALS, TC-8800 SERIES, FOR LETTER DESIGNATIONS.

| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET    |
|----------|-----------|-------|---------|----------|
| 8-0      | LANCASTER | 0030  | 145     | 13 OF 39 |
|          |           | 4057  | 002     |          |
|          |           | 0023  | 002     |          |
|          |           | T-543 | LOC     |          |
|          |           | T-408 | LOC     |          |

EAST HEMPFIELD TOWNSHIP

| REVISION NUMBER | REVISIONS | DATE | BY |
|-----------------|-----------|------|----|
|                 |           |      |    |

SIGNS

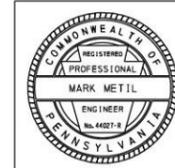
| PLAN SYMBOL | SERIES DESIGNATION | DESCRIPTION  | SIZE W X H | SQ. FT. EA. | POST MOUNTED SIGNS, TYPE B 0931-0001 |            | POST MOUNTED SIGNS, TYPE F 0935-0001 |            | STRUC. MTD. FLAT SHEET ALUMINUM SIGNS 0936-0200 |            |
|-------------|--------------------|--|------------|-------------|--------------------------------------|------------|--------------------------------------|------------|---|------------|
|             |                    |  |            |             | QUAN.                                | TOTAL S.F. | QUAN.                                | TOTAL S.F. | QUAN.   | TOTAL S.F. |
| A           | R3-8B              | LANE USE CONTROL (L-S-R)   | 48"x30"    | 10.0        | 2                                    | 20.0       |                                      |            |   |            |
| B           | R3-8A              | LANE USE CONTROL (L-SR)  | 30"x30"    | 6.25        | 2                                    | 12.5       |                                      |            |   |            |
| C           | R3-5L              | LEFT TURN  | 30"x36"    | 7.5         |                                      |            |                                      |            | 2   | 15.0       |
| D           | R3-5A              | STRAIGHT-THROUGH   | 30"x36"    | 7.5         |                                      |            |                                      |            | 4   | 30.0       |
| E           | R3-5R              | RIGHT TURN   | 30"x36"    | 7.5         |                                      |            |                                      |            | 2   | 15.0       |
| F           | R10-12 FYA         | LEFT TURN YIELD ON FLASHING YELLOW ARROW                           | 36"x42"    | 10.5        |                                      |            |                                      |            | 2   | 21.0       |
| G           | R10-11             | NO TURN ON RED ●   | 24"x30"    | 5.0         |                                      |            |                                      |            | 1   | 5.0        |
| H           | R10-10R            | RIGHT TURN SIGNAL  | 30"x36"    | 7.5         |                                      |            |                                      |            | 1   | 7.5        |
| I           | D3-4               | Centerville Rd   | 90"x16"    | 10.0        |                                      |            |                                      |            | 2   | 20.0       |
| J           | D3-4               | Hempland Rd  | 84"x16"    | 9.33        |                                      |            |                                      |            | 2   | 18.66      |
| K           | R1-2               | YIELD  | 36"x36"    | 9.0         | 2                                    | 18.0       |                                      |            |   |            |
| L           | R10-3ER            | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER RIGHT | 9"x15"     | 0.94        | *                                    |            |                                      |            |   |            |
| M           | R10-3EL            | EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER LEFT  | 9"x15"     | 0.94        | *                                    |            |                                      |            |   |            |
| N           | W11-2              | PEDESTRIAN CROSSING  | 30"x30"    | 6.25        | 4                                    | 25.0       |                                      |            |   |            |
| O           | W16-7P             | DOWNWARD DIAGONAL ARROW PLAQUE (LEFT)                              | 24"x12"    | 2.0         |                                      |            | 2                                    | 4.0        |   |            |
| P           | W16-7P             | DOWNWARD DIAGONAL ARROW PLAQUE (RIGHT)                             | 24"x12"    | 2.0         |                                      |            | 2                                    | 4.0        |   |            |
| TOTAL       |                    |  |            |             | 10                                   | 75.5       | 4                                    | 8.0        | 16  | 132.16     |

GENERAL NOTES

INSTALL, OPERATE AND MAINTAIN THIS TRAFFIC SIGNAL IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION REGULATIONS ON OFFICIAL TRAFFIC CONTROL DEVICES.  
NO MODIFICATION OF THIS INSTALLATION IS PERMITTED UNLESS PRIOR APPROVAL IS GRANTED, IN WRITING, BY THE DEPARTMENT.  
ALL MAINTENANCE NECESSARY FOR PROPER VISIBILITY OF THE SIGNALS, INCLUDING TRIMMING TREES, IS THE RESPONSIBILITY OF THE PERMITTEE.  
THE PERMITTEE INSTALLS AND MAINTAINS ALL SIGNS AND PAVEMENT MARKINGS INDICATED ON THIS DRAWING WHICH ARE CONSIDERED PART OF THE PERMIT, UNLESS OTHERWISE INDICATED. THE DEPARTMENT MAINTAINS THE LONGITUDINAL PAVEMENT MARKINGS ON STATE HIGHWAYS.  
INSTALL POST MOUNTED SIGNALS WITH THE SUPPORT AND SIGNAL HEADS AT A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET BEHIND FACE OF CURB OR, IF NO CURB, A MINIMUM OF 2 FEET FROM EDGE OF SHOULDER AND 10 FEET FROM EDGE OF TRAVELWAY. INSTALL SUPPORT POLES FOR OVERHEAD SIGNALS OR ANY SIGNAL EQUIPMENT TO BE INSTALLED ON POLES AT A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET BEHIND FACE OF CURB.  
INSTALL SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY WITH THE BOTTOMS NOT LESS THAN 17 FEET NOR MORE THAN 19 FEET ABOVE THE ROADWAY.  
INSTALL POST MOUNTED SIGNAL HEADS WITH BOTTOMS NOT LESS THAN 8 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.  
INSTALL SIGNAL HEADS WITH A MINIMUM HORIZONTAL DISTANCE OF 8 FEET BETWEEN THE HEADS MEASURED AT RIGHT ANGLES TO THE APPROACH.  
IN ADDITION TO THIS SIGNAL PERMIT, THE PERMITTEE MUST OBTAIN A HIGHWAY OCCUPANCY PERMIT PRIOR TO ANY OPENINGS BEING MADE IN OR UNDER ANY PORTION OF A STATE HIGHWAY.  
THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE MOST RECENT ACT FOR PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION CONSULT WITH UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITIES.

CONSTRUCTION NOTES

- A REPRESENTATIVE OF THE COMPANY SUPPLYING THE CONTROLLER SHALL BE PRESENT DURING THE ACTIVATION OF ALL TRAFFIC SIGNALS INCLUDED IN THIS PROJECT.
- PROVIDE TRAFFIC SIGNAL CONTROLLER CABINET LARGE ENOUGH TO SUITABLY ACCOMMODATE THE TRAFFIC SIGNAL CONTROLLER AND ALL REQUIRED EQUIPMENT. CABINET SHALL BE LARGE ENOUGH SO THAT ALL EQUIPMENT IS VISIBLE, ACCESSIBLE AND NOT STACKED ON TOP OF OTHER EQUIPMENT WITHIN THE CABINET.
- AT ALL LOCATIONS WHERE SURGE PROTECTION IS REQUIRED, PROVIDE MOV TYPE POWER LINE SURGE PROTECTION THAT IS UL 1449 LISTED. THE RATING SHALL HAVE A MINIMUM SURGE PROTECTION OF 50KVA AND A RESPONSE TIME OF LESS THAN ONE NANO-SECOND. ALSO INCLUDE SURGE PROTECTION FROM NEUTRAL TO GROUND IN CONTROLLER CABINET. WIRE SURGE PROTECTION IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION FOR ALL MODES (L-L, L-N, L-G, N-G) THAT APPLY OR ARE OBTAINABLE WITH RESPECT TO SURGE PROTECTION MODEL AND POWER SOURCE. PROVIDE SURGE PROTECTION UNIT WITH STATUS INDICATOR SHOWING DEVICE FAILURE.
- CONTROLLER ASSEMBLY SHALL BE EQUIPPED WITH GENERATOR ADAPTOR CAPABLE OF OPERATING THE TRAFFIC SIGNAL, COMPATIBLE WITH THE MUNICIPAL GENERATOR, IN CASE OF A POWER OUTAGE.
- ALL PEDESTALS SHALL HAVE BREAKWAY DESIGN.



COUNTY: LANCASTER  
MUNICIPALITY: EAST HEMPFIELD TOWNSHIP  
INTERSECTION: HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408)

APPROVED AND ACCEPTED: \_\_\_\_\_ DATE \_\_\_\_\_

MUNICIPAL OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_

RECOMMENDED: \_\_\_\_\_ DATE \_\_\_\_\_

DISTRICT TRAFFIC ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

NOT TO SCALE

TRENCH, CONDUIT, JUNCTION BOX, ELECTRICAL ITEMS

| DESCRIPTION                                  | JUNCTION BOX, JB-2 |      | 2 INCH CONDUIT |      | 4 INCH CONDUIT |      | TRENCH AND BACKFILL, TYPE I |      | TRENCH AND BACKFILL, TYPE II |      | TRENCH AND BACKFILL, TYPE III |      | SIGNAL CABLE, 14 AWG, 3 CONDUCTOR |      | SIGNAL CABLE, 14 AWG, 5 CONDUCTOR |      | SIGNAL CABLE, 14 AWG, 7 CONDUCTOR |      | JUNCTION BOX, JB-27 |      | SIGNAL CABLE, 14 AWG, 9 CONDUCTOR |      |      |
|--|--------------------|------|----------------|------|----------------|------|-----------------------------|------|------------------------------|------|-------------------------------|------|-----------------------------------|------|-----------------------------------|------|-----------------------------------|------|---------------------|------|-----------------------------------|------|------|
|  | ITEM NO.           | 0910 | 0910           | 0954 | 0954           | 0954 | 0954                        | 0954 | 0954                         | 0954 | 0954                          | 0954 | 0954                              | 0954 | 0954                              | 0954 | 0954                              | 0954 | 0954                | 0954 | 0954                              | 0954 | 0954 |
| UNIT   | 0002               | 4116 | 0012           | 0014 | 0151           | 0152 | 0153                        | 0201 | 0202                         | 0203 | 0302                          | 0700 | 0700                              | 0700 | 0700                              | 0700 | 0700                              | 0700 | 0700                | 0700 | 0700                              | 0700 |      |
| LOCATION                                     | EACH               | LF   | LF             | LF   | LF             | LF   | LF                          | LF   | LF                           | LF   | LF                            | EACH | LF                                | LF   | LF                                | LF   | LF                                | LF   | EACH                | LF   | LF                                | LF   |      |
| CONTROLLER CABINET TO JUNCTION BOX 1         | 1                  |      | 28             | 28   | 6              |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| JUNCTION BOX 1 TO JUNCTION BOX 2             |                    |      | 101            | 101  | 9              | 14   | 70                          |      |                              |      |                               | 1    |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| JUNCTION BOX 1 TO JUNCTION BOX 3             |                    |      | 98             | 98   | 9              | 9    | 72                          |      |                              |      |                               | 1    |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| JUNCTION BOX 3 TO JUNCTION BOX 4             |                    |      | 114            | 114  | 1              | 23   | 82                          |      |                              |      |                               | 1    |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| JUNCTION BOX 3 TO JUNCTION BOX 5             |                    |      | 68             |      | 2              | 23   | 35                          |      |                              |      |                               | 1    | 68                                |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| JUNCTION BOX 5 TO JUNCTION BOX 6             |                    |      | 196            |      | 188            |      |                             |      |                              |      |                               | 1    | 196                               |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 1 TO JUNCTION BOX 1                     |                    |      | 17             | 17   | 9              |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 2 TO JUNCTION BOX 4                     |                    |      | 11             | 11   | 3              |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 3 TO JUNCTION BOX 3                     |                    |      | 14             | 14   |                | 6    |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 4 TO JUNCTION BOX 2                     |                    |      | 16             | 16   |                | 8    |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 7 TO JUNCTION BOX 1                     |                    |      | 20             |      | 12             |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 8 TO JUNCTION BOX 1                     |                    |      | 26             |      | 18             |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 9 TO JUNCTION BOX 2                     |                    |      | 14             |      | 6              |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 10 TO JUNCTION BOX 4                    |                    |      | 14             |      | 6              |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 11 TO JUNCTION BOX 3                    |                    |      | 20             |      | 12             |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| POLE 12 TO JUNCTION BOX 3                    |                    |      | 11             |      | 13             |      |                             |      |                              |      |                               |      |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| ELECTRICAL DISTRIBUTION (SEE WIRING DIAGRAM) |                    | 2163 |                |      |                |      |                             |      | 444                          | 2173 | 606                           |      | 264                               |      |                                   |      |                                   |      |                     |      |                                   |      |      |
| TOTALS                                       | 1                  | 2163 | 768            | 399  | 263            | 104  | 259                         | 444  | 2173                         | 606  | 5                             | 264  |                                   |      |                                   |      |                                   |      |                     |      |                                   |      |      |

MISCELLANEOUS

| ITEM NO.  | QUAN. | UNIT | DESCRIPTION   | LOCATION   |
|-----------|-------|------|---|--|
| 0954-0403 | 1     | EACH | ELECTRICAL SERVICE, TYPE C  | CC4  |
| 0954-0600 | 1     | EACH | UNINTERRUPTIBLE POWER SUPPLY (UPS)  | CC4  |
| 0955-3208 | 8     | EACH | VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS                                       | POLES 1(2), 2(2), 3(2), 4(2)   |
| 0955-3209 | 2     | EACH | VEHICULAR SIGNAL HEAD, FOUR 12" SECTIONS  | POLES 1(1), 2(1)   |
| 0955-3210 | 1     | EACH | VEHICULAR SIGNAL HEAD, FIVE 12" SECTIONS  | POLES 3(1)   |
| 0955-3722 | 8     | EACH | LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, TYPE A                                    | POLES 1(2), 3(2), 2(2), 4(2)   |
| 0956-0500 | 8     | EACH | PEDESTRIAN PUSH BUTTON  | POLES 7(1), 8(1), 9(2), 10(2), 11(1), 12(1)  |
| 0956-0801 | 1     | EACH | OPTICAL PREEMPTION SYSTEM   | CC4  |
| 9000-0702 | 1     | EACH | RAILROAD PREEMPTION CONNECTION (HEMLAND ROAD)                                   | CC4  |
| 9000-0704 | 1     | EACH | TRAFFIC SIGNAL TIMING ADJUSTMENTS   | AS DIRECTED  |
| 9000-0705 | 1     | EACH | NEMA TS-2; TYPE 2 CONTROLLER ASSEMBLY, TYPE I MOUNTING WITH RAILROAD PREEMPTION | CC4  |
| 9000-0706 | 4     | EACH | LED LUMINAIRE, ARM MOUNT  | POLES 1, LUMINAIRE 4; POLES 2, LUMINAIRE 2; POLES 3, LUMINAIRE 1; POLES 4, LUMINAIRE 3 |
| 9000-0711 | 2     | EACH | RADAR DETECTOR, ADVANCE/DILEMMA   | POLES 1(1), 2(1)   |
| 9000-0712 | 4     | EACH | RADAR DETECTOR, PRESENCE  | POLES 1(1), 2(1), 3(1), 4(1)   |

**CONSTRUCTION SEQUENCE**

|                                    |           |       |         |          |
|------------------------------------|-----------|-------|---------|----------|
| DISTRICT                           | COUNTY    | ROUTE | SECTION | SHEET    |
| 8-0                                | LANCASTER | 4057  | 002     | 1 OF 102 |
|                                    |           | T-543 | LOC     |          |
|                                    |           | T-408 | LOC     |          |
| MANOR AND EAST HEMPFIELD TOWNSHIPS |           |       |         |          |
| REVISION NUMBER                    | REVISIONS | DATE  | BY      |          |

**STAGE 1A:**

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. SHIFT S.R. 0030 EASTBOUND AND WESTBOUND TRAFFIC TOWARD THE OUTSIDE SHOULDERS AT THE S.R. 4057 STRUCTURE OVER S.R. 0030.
3. CONSTRUCT FOOTING AND PIER FOR NORTHBOUND SIDE OF S.R. 4057 STRUCTURE OVER S.R. 0030.
4. REMOVE APPLICABLE TRAFFIC CONTROL MEASURES AND SHIFT S.R. 0030 TRAFFIC TO ORIGINAL LANES.

**STAGE 1B:**

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. MAINTAIN T-543/T-408 (CENTERVILLE ROAD) TRAFFIC IN EXISTING TRAVEL LANES FROM SOUTH OF S.R. 0462 (COLUMBIA AVENUE) TO T-413 (HEMPLAND ROAD), NORTH OF RAMP EF TO T-953 (ESTELLE DRIVE), AND NORTH OF S.R.0023 (MARIETTA AVENUE). SHIFT T-408 (CENTERVILLE ROAD) TRAFFIC WESTWARD FROM T-413 (HEMPLAND ROAD) TO NORTH OF RAMP EF AND EASTWARD FROM T-543 (ESTELLE DRIVE) TO S.R. 0023 (MARIETTA AVENUE).
3. MAINTAIN S.R. 0023 (MARIETTA AVENUE) TRAFFIC IN EXISTING TRAVEL LANES.
4. MAINTAIN ALL SIDE ROAD TRAFFIC IN EXISTING TRAVEL LANES.
5. MAINTAIN RAMP EF, E, F, GH, G, AND H TRAFFIC IN EXISTING TRAVEL LANES OR PROVIDE SLIGHT LANE SHIFTS AS INDICATED IN THE TRAFFIC CONTROL PLAN.
6. SHIFT S.R. 0030 WESTBOUND TRAFFIC TOWARD MEDIAN BETWEEN RAMP H AND RAMP G.
7. COORDINATE WITH NORFOLK SOUTHERN FOR INSTALLATION OF THE RUBBER FLANGWAYS AT THE NORFOLK SOUTHERN RAILROAD CROSSING (STA. 39+50). NORFOLK SOUTHERN REQUIRES AN EXTENDED (3-DAY) WEEKEND TO COMPLETE THIS WORK. PROVIDE EXTENDED WEEKEND RAILROAD CLOSURE AND IMPLEMENT THE RAILROAD CROSSING DETOUR. REOPEN T-408 (CENTERVILLE ROAD) TO TRAFFIC IMMEDIATELY UPON COMPLETION OF THE WORK BY NORFOLK SOUTHERN.
8. CONSTRUCT T-408 (CENTERVILLE ROAD) TEMPORARY WIDENING AREAS FROM STA. 46+15 TO STA. 46+95 RT AND STA. 54+50 TO STA. 58+50 LT. REMOVE ISLAND AND CONSTRUCT TEMPORARY PAVEMENT FROM T-408 (CENTERVILLE ROAD) STA. 53+20 TO STA. 53+55 RT. REMOVE MOUNTABLE MEDIAN AND CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN FROM RAMP EF STA. 200+20 TO RAMP F STA. 601+50 LT. PLACE TEMPORARY BARRIER AS SHOWN IN STAGE 2A. CONSTRUCT TEMPORARY RAMP G AND H (FOR STAGE 2A) IN ACCORDANCE WITH THE RAMP DETAIL SHEETS. CONSTRUCT RAMP G (FOR STAGE 3) GRADING IN ACCORDANCE WITH THE RAMP DETAIL SHEETS.
9. CONSTRUCT S.R.0030 WESTBOUND SHOULDER FROM STA. 314+60 TO STA. 321+70.
10. CONSTRUCT T-543 (CENTERVILLE ROAD) SOUTHBOUND WIDENING FROM STA. 1+20 TO STA. 7+17 AND S.R. 0462 (COLUMBIA AVENUE) EASTBOUND WIDENING FROM STA. 396+30 TO STA. 397+78.
11. CONSTRUCT T-408 (CENTERVILLE ROAD) NORTHBOUND WIDENING FROM STA. 7+17 TO STA. 53+00 AND S.R. 0462 (COLUMBIA AVENUE) WESTBOUND WIDENING FROM STA. 397+78 TO STA. 398+90. MAINTAIN EXISTING RAILROAD GATES LOCATED AT THE NORFOLK SOUTHERN RAILROAD CROSSING WITH PAVEMENT BOX OUT AT EXISTING GATE.
12. CONSTRUCT NORTHBOUND SIDE OF S.R. 4057 STRUCTURE OVER S.R.0030.
13. CONSTRUCT WIDENING OF T-409 (INDUSTRY DRIVE), T-402 (SOUTH TREE DRIVE), T-420 (OLD TREE DRIVE), AND T-413 (HEMPLAND ROAD) FROM STA. 155+64 TO STA. 158+52.
14. CONSTRUCT T-408 (CENTERVILLE ROAD) SOUTHBOUND WIDENING FROM STA. 58+50 TO STA. 75+05.
15. CONSTRUCT S.R. 0023 (MARIETTA AVENUE) EASTBOUND WIDENING FROM STA. 482+10 TO STA. 497+16 AND WESTBOUND WIDENING FROM STA. 497+16 TO STA. 499+55.
16. CONSTRUCT RAMP EF WIDENING FROM STA. 202+00 TO STA. 204+66 LT AND RAMP E WIDENING FROM STA. 214+15 TO STA. 222+79 RT.
17. CONSTRUCT RAMP EF WIDENING FROM STA. 201+00 TO STA. 204+66 RT AND RAMP F WIDENING FROM STA. 600+00 RT TO S.R. 0030 STA. 332+00 RT.
18. CONSTRUCT HEMPLAND ASSOCIATES ACCESS DRIVE IN THREE SEPARATE STAGES AS SHOWN ON SHEET 23 OF 102. CONSTRUCT AREA 1 WHILE EXISTING ENTRANCES AND AREAS 2 AND 3 REMAIN OPEN TO TRAFFIC. OPEN HEMPLAND ASSOCIATES ACCESS DRIVE (AREA 1) TO TRAFFIC AND PAVE PARKING AREA 2 WHILE MAINTAINING ACCESS TO OTHER PROPERTIES AND PARKING AREA 3. PAVE PARKING AREA 3 AFTER PARKING AREA 2 IS COMPLETE AND OPEN TO TRAFFIC.
19. REMOVE APPLICABLE TRAFFIC CONTROL MEASURES AND SHIFT S.R. 0030 WESTBOUND TRAFFIC BETWEEN RAMP H AND RAMP G TO ORIGINAL LANES.

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. SHIFT RAMP EF TRAFFIC TOWARD MEDIAN AT INTERSECTION WITH T-408 (CENTERVILLE ROAD).
3. SHIFT T-408 (CENTERVILLE ROAD) TRAFFIC WESTWARD FROM RAMP GH TO NORTH OF S.R. 0023 (MARIETTA AVENUE).
4. SHIFT S.R. 0023 (MARIETTA AVENUE) TRAFFIC SOUTHWARD FROM S.R. 3017 (STONY BATTERY ROAD) TO T-408 (CENTERVILLE ROAD) AND NORTHWARD FROM T-408 (CENTERVILLE ROAD) TO THE EASTERN PROJECT LIMIT.
5. SHIFT S.R. 0030 WESTBOUND RAMP TRAFFIC TO TEMPORARY RAMP G AND H.
6. CONSTRUCT RAMP EF WIDENING FROM STA. 200+00 TO STA. 202+00 LT. CONTINUE CONSTRUCTION OF T-408 (CENTERVILLE ROAD) NORTHBOUND WIDENING FROM STA. 47+00 TO STA. 51+50.
7. CONSTRUCT T-408 (CENTERVILLE ROAD) NORTHBOUND WIDENING FROM STA. 53+67 TO STA. 74+05.
8. CONSTRUCT RAMP GH FROM STA. 240+00 TO STA. 243+48 LT AND RAMP H FROM STA. 273+21 TO STA. 282+16. CONSTRUCT BIFURCATED CONCRETE MEDIAN BARRIER FROM RAMP GH STA. 241+40 TO RAMP H STA. 280+90 LF.
9. CONSTRUCT S.R. 0023 (MARIETTA AVENUE) WESTBOUND WIDENING FROM STA. 482+10 TO STA. 497+16 AND EASTBOUND WIDENING FROM STA. 497+16 TO STA. 501+15.

**STAGE 2A:**

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. SHIFT RAMP EF TRAFFIC TOWARD MEDIAN AT INTERSECTION WITH T-408 (CENTERVILLE ROAD).
3. SHIFT T-408 (CENTERVILLE ROAD) TRAFFIC WESTWARD FROM RAMP GH TO NORTH OF S.R. 0023 (MARIETTA AVENUE).
4. SHIFT S.R. 0023 (MARIETTA AVENUE) TRAFFIC SOUTHWARD FROM S.R. 3017 (STONY BATTERY ROAD) TO T-408 (CENTERVILLE ROAD) AND NORTHWARD FROM T-408 (CENTERVILLE ROAD) TO THE EASTERN PROJECT LIMIT.
5. SHIFT S.R. 0030 WESTBOUND RAMP TRAFFIC TO TEMPORARY RAMP G AND H.
6. CONSTRUCT RAMP EF WIDENING FROM STA. 200+00 TO STA. 202+00 LT. CONTINUE CONSTRUCTION OF T-408 (CENTERVILLE ROAD) NORTHBOUND WIDENING FROM STA. 47+00 TO STA. 51+50.
7. CONSTRUCT T-408 (CENTERVILLE ROAD) NORTHBOUND WIDENING FROM STA. 53+67 TO STA. 74+05.
8. CONSTRUCT RAMP GH FROM STA. 240+00 TO STA. 243+48 LT AND RAMP H FROM STA. 273+21 TO STA. 282+16. CONSTRUCT BIFURCATED CONCRETE MEDIAN BARRIER FROM RAMP GH STA. 241+40 TO RAMP H STA. 280+90 LF.
9. CONSTRUCT S.R. 0023 (MARIETTA AVENUE) WESTBOUND WIDENING FROM STA. 482+10 TO STA. 497+16 AND EASTBOUND WIDENING FROM STA. 497+16 TO STA. 501+15.

**STAGE 2B:**

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. PROVIDE WEEKEND S.R. 30 RAMP CLOSURES AND IMPLEMENT THE S.R. 8008 RAMP DETOURS.
3. CONSTRUCT T-408 (CENTERVILLE ROAD) TIE-INS FOR RAMP EF STA. 200+00 TO STA. 201+50 AND RAMP GH STA. 240+00 TO STA. 241+25.
4. COMPLETE CONSTRUCTION OF TEMPORARY RAMP G FOR STAGE 3 IN ACCORDANCE WITH THE RAMP DETAIL SHEETS.
5. REMOVE APPLICABLE TRAFFIC CONTROL MEASURES, SHIFT T-408 (CENTERVILLE ROAD) TRAFFIC EASTWARD TO THE NEW NORTHBOUND STRUCTURE THROUGH THE INTERCHANGE AND OPEN S.R. 30 RAMP IN ACCORDANCE WITH TRAFFIC CONTROL PLAN STAGE 3.

**STAGE 3:**

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. SHIFT S.R. 0030 EASTBOUND AND WESTBOUND TRAFFIC TOWARD THE OUTSIDE SHOULDERS AT THE S.R. 4057 STRUCTURE OVER S.R. 0030.
3. SHIFT T-543 (CENTERVILLE ROAD) TRAFFIC WESTWARD.
4. SHIFT T-408 (CENTERVILLE ROAD) TRAFFIC EASTWARD FROM S.R. 0462 (COLUMBIA AVENUE) TO SOUTH OF T-953 (ESTELLE DRIVE). SHIFT T-408 (CENTERVILLE ROAD) TRAFFIC TO FINAL LANE CONFIGURATIONS FROM SOUTH OF T-953 (ESTELLE DRIVE) TO NORTH OF S.R. 0023 (MARIETTA AVENUE).
5. SHIFT S.R. 0023 (MARIETTA AVENUE) TRAFFIC TO FINAL LANE CONFIGURATIONS.
6. SHIFT RAMP EF TRAFFIC TOWARD THE OUTSIDE SHOULDERS. SHIFT RAMP E TRAFFIC TOWARD THE INSIDE SHOULDER. SHIFT RAMP F TRAFFIC TOWARD THE OUTSIDE SHOULDER.
7. CONSTRUCT T-543 (CENTERVILLE ROAD) NORTHBOUND WIDENING FROM STA. 1+20 TO STA. 7+17 AND S.R. 0462 (COLUMBIA AVENUE) EASTBOUND WIDENING FROM STA. 397+78 TO STA. 399+93.
8. CONSTRUCT T-408 (CENTERVILLE ROAD) SOUTHBOUND WIDENING FROM STA. 7+17 TO STA. 58+50 AND S.R. 0462 (COLUMBIA AVENUE) WESTBOUND WIDENING FROM STA. 396+30 TO STA. 397+78. MAINTAIN EXISTING RAILROAD GATES LOCATED AT THE NORFOLK SOUTHERN RAILROAD CROSSING WITH PAVEMENT BOX OUT AT EXISTING GATE.
9. REMOVE EXISTING S.R. 4057 BRIDGE STRUCTURE.
10. CONSTRUCT SOUTHBOUND SIDE OF S.R. 4057 STRUCTURE OVER S.R. 0030.
11. CONSTRUCT T-413 (HEMFIELD ROAD) EASTBOUND AND WESTBOUND WIDENING FROM STA. 152+05 TO 155+64.
12. CONSTRUCT RAMP EF MEDIAN AND BARRIER FROM STA. 200+50 TO STA. 204+66. CONSTRUCT RAMP E WIDENING FROM STA. 218+20 TO STA. 222+79 LT. CONSTRUCT RAMP F WIDENING FROM STA. 600+00 TO STA. 607+80 LT.
13. CONSTRUCT RAMP GH FROM STA. 241+25 TO 243+48 RT AND RAMP G FROM STA. 243+48 TO STA. 250+00.
14. REMOVE APPLICABLE TRAFFIC CONTROL MEASURES.

**STAGE 4A:**

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. SHIFT T-543/T-408 (CENTERVILLE ROAD) TRAFFIC TO FINAL LANE CONFIGURATIONS EXCEPT THROUGH THE NORFOLK SOUTHERN RAILROAD CROSSING AREA.
3. SHIFT RAMP EF, RAMP E, AND RAMP F TRAFFIC TO FINAL LANE CONFIGURATIONS.
4. SHIFT RAMP GH, RAMP G, AND RAMP H TRAFFIC TO FINAL LANE CONFIGURATIONS.
5. SHIFT S.R. 0030 EASTBOUND AND WESTBOUND TRAFFIC TOWARD THE OUTSIDE SHOULDERS.
6. FOLLOWING COMPLETION OF STAGE 3 WIDENING AT THE NORFOLK SOUTHERN RAILROAD CROSSING, CONSTRUCT MEDIAN ISLANDS AT RAILROAD CROSSING (STA. 38+48 TO STA. 40+12). COORDINATE WITH NORFOLK SOUTHERN FOR INSTALLATION OF NEW RAILROAD GATES AND LIGHTS AND REMOVAL OF EXISTING GATES. COMPLETE CONSTRUCTION OF ROADWAY WIDENING FOR BOX OUT AREAS AT REMOVED RAILROAD GATES. SEE SHEET 48 OF 102 FOR ADDITIONAL DETAILS.
7. CONSTRUCT ISLANDS AT INTERSECTION OF T-408 (CENTERVILLE ROAD) AND T-413 (HEMPLAND ROAD) AND AT INTERSECTIONS OF T-408 (CENTERVILLE ROAD) WITH RAMP EF AND RAMP GH.
8. CONSTRUCT MEDIAN BARRIER SECTION AT RAMP GH INTERSECTION WITH T-408 (CENTERVILLE ROAD) FROM RAMP GH STA. 240+70 TO 241+40.
9. PLACE FINAL WEARING COURSE AND FINAL PAVEMENT MARKINGS ON T-543/T-408 (CENTERVILLE ROAD), ALL SIDE ROADS, S.R. 0023 (MARIETTA AVENUE), AND S.R. 8008 RAMP.
10. RECONSTRUCT S.R. 0030 MEDIAN FROM STA. 299+43 TO STA. 333+15 TO ASPHALT BASE COURSE.
11. REMOVE APPLICABLE TRAFFIC CONTROL MEASURES AND MILL S.R. 0030 TRAVEL LANE PAVEMENT TO CONCRETE BASE. PROVIDE S.R. 0030 CONCRETE BASE REPAIRS AS DIRECTED.

**STAGE 4B:**

1. INSTALL TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
2. SHIFT S.R. 0030 EASTBOUND AND WESTBOUND TRAFFIC TOWARD THE MEDIAN.
3. CONSTRUCT S.R. 0030 EASTBOUND AND WESTBOUND WIDENING AND RAMP E AND G WIDENING FROM S.R. 0030 STA. 299+43 TO STA. 312+50.
4. PLACE FINAL PAVEMENT COURSES AND FINAL PAVEMENT MARKINGS ON S.R. 0030 AND S.R. 8008 RAMP TIE-INS TO S.R.0030.
5. REMOVE ALL TRAFFIC CONTROL MEASURES.

**TRAFFIC CONTROL PLAN**

| SHEET INDEX                          |          |
|--------------------------------------|----------|
| DESCRIPTION                          | SHEET    |
| GENERAL NOTES                        | 1        |
| INDEX SHEETS                         | 2 - 3    |
| TABULATION SHEETS                    | 4 - 6    |
| TEMPORARY RAMP DETAILS               | 7 - 10   |
| DETOUR PLAN SHEETS                   | 11 - 15  |
| TRAFFIC CONTROL PLAN SHEETS          | 16 - 55  |
| TEMPORARY TRAFFIC SIGNAL PLAN SHEETS | 56 - 102 |

**GENERAL NOTES**

THIS WORK CONSISTS OF THE MAINTENANCE OF TRAFFIC AND THE PROTECTION OF THE TRAVELING PUBLIC APPROACHING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.

FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AND MAINTAIN TRAFFIC DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS INDICATED ON THESE DRAWINGS AND,

1. THE SPECIAL PROVISIONS OF THE CONTRACT.
2. PA CODE, TITLE 67, CHAPTER 212, OFFICIAL TRAFFIC CONTROL DEVICES.
3. PDT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES.
4. PDT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15).
5. PDT PUBLICATION 408, SPECIFICATIONS.
6. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
7. PDT PUBLICATION 236, HANDBOOK OF APPROVED SIGNS.
8. PDT PUBLICATION 111, TRAFFIC CONTROL PAVEMENT MARKING AND SIGNING STANDARDS.

IMMEDIATELY UPON COMPLETION OF THE WORK, REMOVE THE DEVICES. THE DEPARTMENT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERECTED BY DEPARTMENT FORCES.

COVER OR REMOVE ALL SIGNS NOT IN USE.

SEE EROSION AND SEDIMENT POLLUTION CONTROL PLAN FOR CONSTRUCTION SEQUENCE OF DRAINAGE AND EROSION AND SEDIMENT CONTROL FACILITIES.

INCORPORATED WATERLINE CONSTRUCTION ON S.R. 0023 (MARIETTA AVENUE) AND NORTHERN T-408 (CENTERVILLE ROAD) TO BE COMPLETED PRIOR TO COMPLETION OF ROADWAY WIDENING IN THE AREA.

**CERTIFIED CORRECT PLANS**

*Robert P. ...*  
Professional Engineer  
Approved by Bureau of Technical Utility Services  
**PA PUBLIC UTILITY COMMISSION**

ATTEST *Robert P. ...*  
Secretary

PREPARED BY:  
JOHNSON, MIRMAN  
and  
THOMPSON, INC.  
220 ST. CHARLES WAY  
SUITE 200  
YORK, PA 17402



RECOMMENDED \_\_\_\_\_ 20 \_\_\_\_\_

DISTRICT TRAFFIC ENGINEER

RECOMMENDED \_\_\_\_\_ 20 \_\_\_\_\_

ADE - CONSTRUCTION

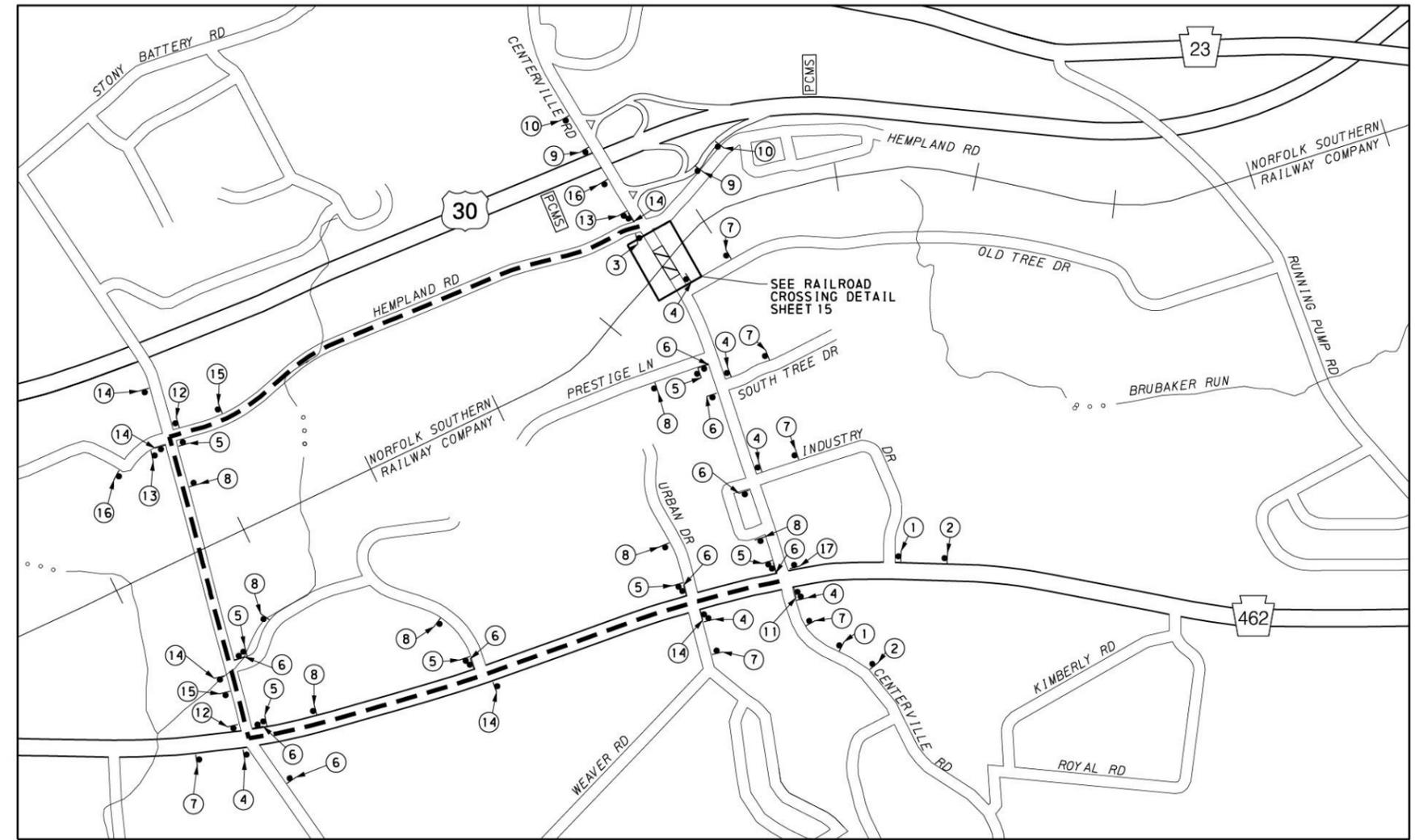
*Douglas E. Moyer*  
November 4, 2021

|                                    |           |       |         |           |
|------------------------------------|-----------|-------|---------|-----------|
| DISTRICT                           | COUNTY    | ROUTE | SECTION | SHEET     |
| 8-0                                | LANCASTER | 4057  | 002     | 13 OF 102 |
|                                    |           | T-543 | LOC     |           |
|                                    |           | T-408 | LOC     |           |
| MANOR AND EAST HEMPFIELD TOWNSHIPS |           |       |         |           |
| REVISION NUMBER                    | REVISIONS | DATE  | BY      |           |

**3-LINE MESSAGE BOARD**  
SUGGESTED PCMS MESSAGE

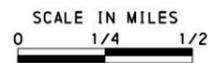
| SCREEN 1             | SCREEN 2             |
|----------------------|----------------------|
| CENTERVILLE RD SOUTH | CLOSED FOLLOW DETOUR |

- LEGEND**
- DETOUR ROUTE
  - ▨ WORK AREA
  - ⋮ TYPE III BARRICADE
  - ◼ POST MOUNTED SIGN
  - ① SIGN IDENTIFIER
  - PCMS PORTABLE CHANGEABLE MESSAGE SIGN

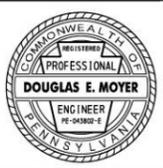


DETOUR LENGTH: 2.5 MILES

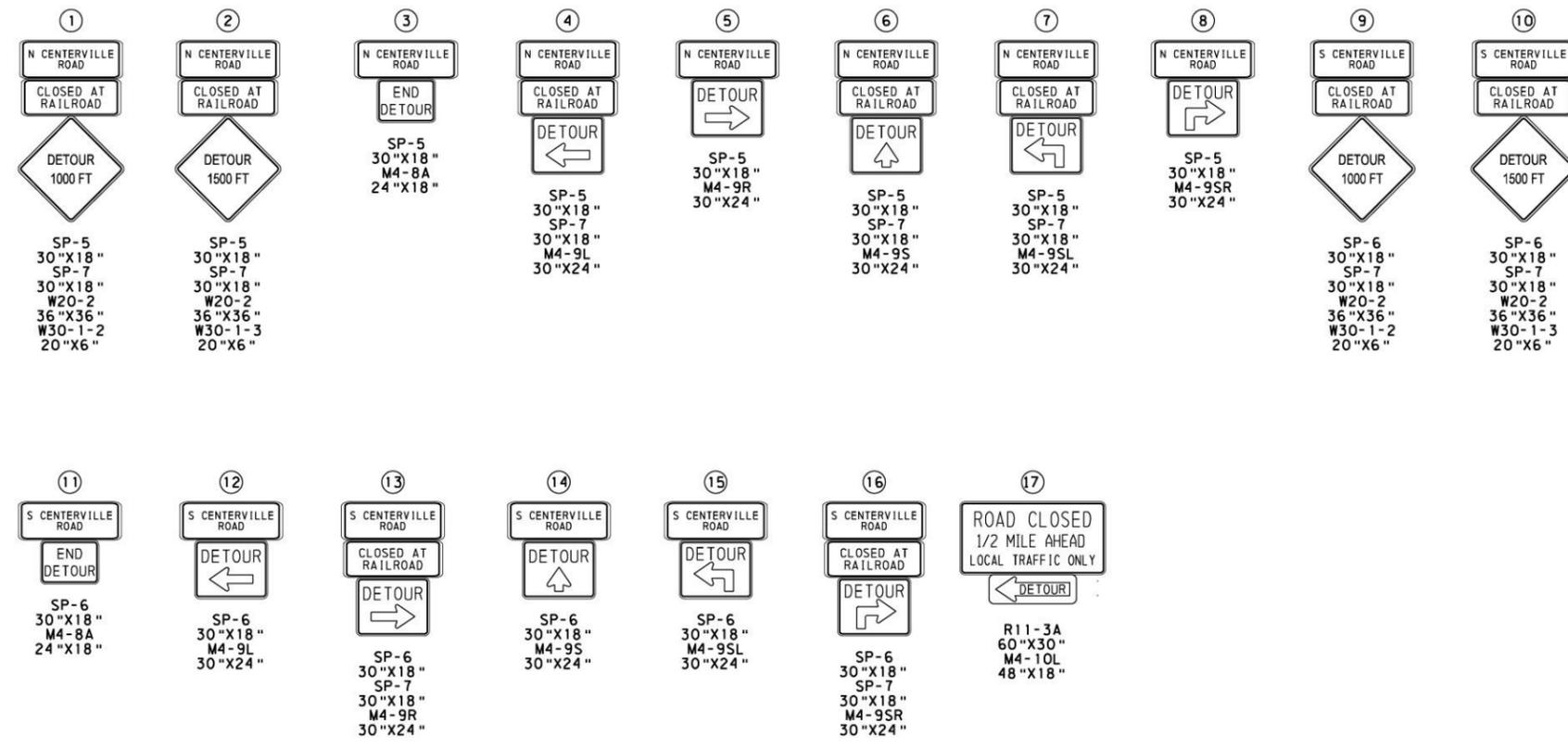
**TRAFFIC CONTROL PLAN  
RAILROAD CROSSING DETOUR**



- NOTES:**
- SIGNS AND LOCATIONS ARE NOT TO SCALE.
  - REFER TO PUB. 236 FOR SIGN DETAILS AND COLORS



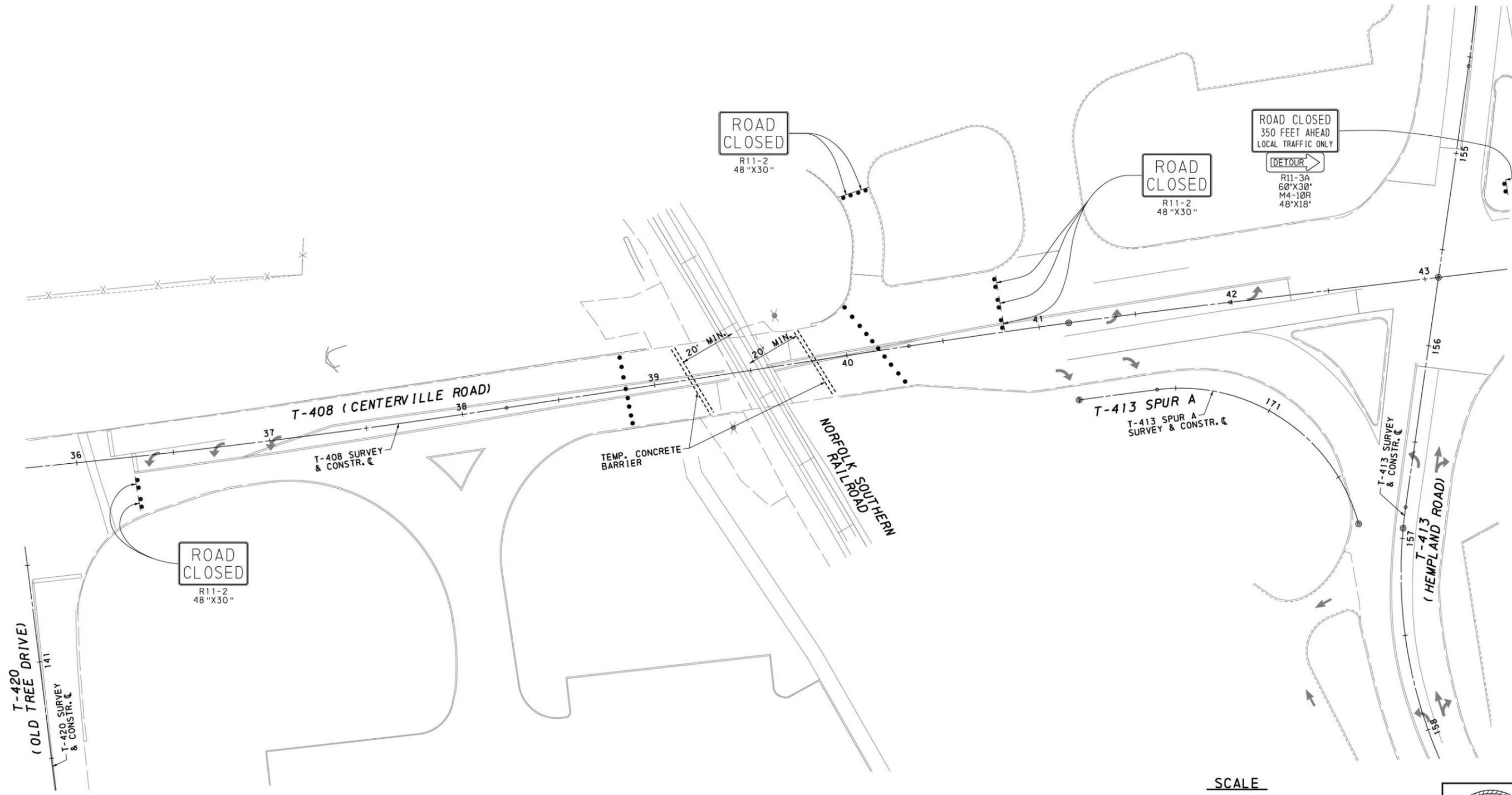
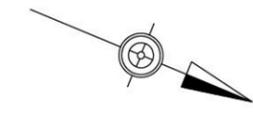
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| DISTRICT                           | COUNTY    | ROUTE | SECTION | SHEET     |    |
| 8-0                                | LANCASTER | 4057  | 002     | 14 OF 102 |    |
|                                    |           | T-543 | LOC     |           |    |
|                                    |           | T-408 | LOC     |           |    |
| MANOR AND EAST HEMPFIELD TOWNSHIPS |           |       |         |           |    |
| REVISION NUMBER                    | REVISIONS |       |         | DATE      | BY |
|                                    |           |       |         |           |    |



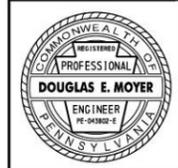
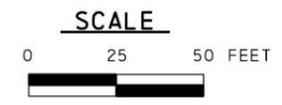
TRAFFIC CONTROL PLAN  
RAILROAD CROSSING DETOUR



| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 4057  | 002     | 15 OF 102 |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

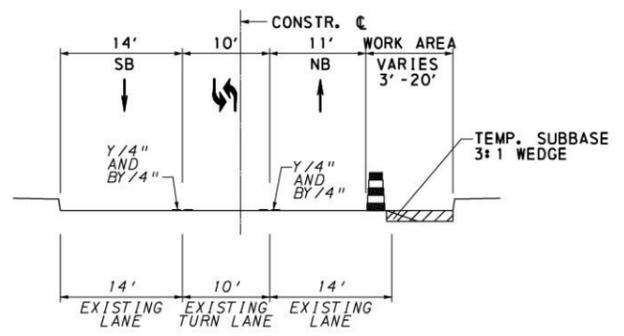


**TRAFFIC CONTROL PLAN  
RAILROAD CROSSING DETOUR**

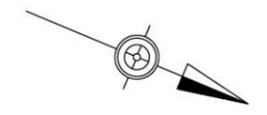




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|-------------------------|-----------|-------|---------|-----------|
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
| 8-0                     | LANCASTER | 4057  | 002     | 22 OF 102 |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |



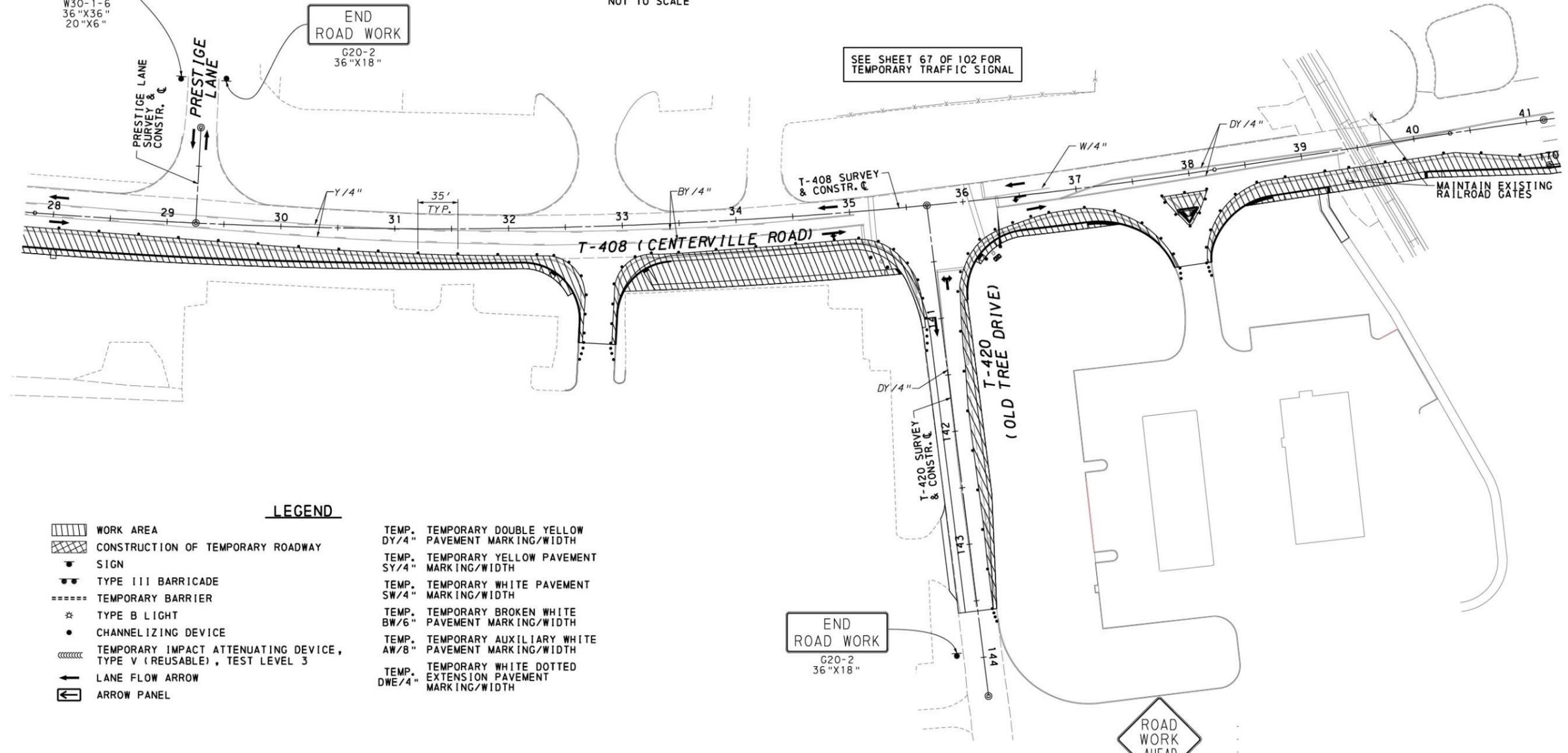
**T-408 (CENTERVILLE RD)**  
**STA. 9+20 TO STA. 41+00**  
 NOT TO SCALE



ROAD WORK AHEAD  
 W20-1  
 W30-1-6  
 36"X36"  
 20"X6"

END ROAD WORK  
 G20-2  
 36"X18"

SEE SHEET 67 OF 102 FOR  
 TEMPORARY TRAFFIC SIGNAL



SEE PLAN SHEET 21

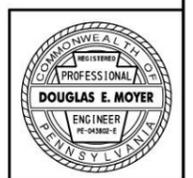
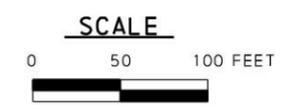
SEE PLAN SHEET 23

- LEGEND**
- WORK AREA
  - CONSTRUCTION OF TEMPORARY ROADWAY
  - SIGN
  - TYPE III BARRICADE
  - TEMPORARY BARRIER
  - TYPE B LIGHT
  - CHANNELIZING DEVICE
  - TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (REUSABLE), TEST LEVEL 3
  - LANE FLOW ARROW
  - ARROW PANEL
  - TEMP. TEMPORARY DOUBLE YELLOW DY/4" PAVEMENT MARKING/WIDTH
  - TEMP. TEMPORARY YELLOW PAVEMENT SY/4" MARKING/WIDTH
  - TEMP. TEMPORARY WHITE PAVEMENT SW/4" MARKING/WIDTH
  - TEMP. TEMPORARY BROKEN WHITE PAVEMENT MARKING/WIDTH
  - TEMP. TEMPORARY AUXILIARY WHITE PAVEMENT MARKING/WIDTH
  - TEMP. TEMPORARY WHITE DOTTED EXTENSION PAVEMENT MARKING/WIDTH

END ROAD WORK  
 G20-2  
 36"X18"

ROAD WORK AHEAD  
 W20-1  
 W30-1-6  
 36"X36"  
 20"X6"

**TRAFFIC CONTROL PLAN**  
**STAGE 1B**



**LEGEND**

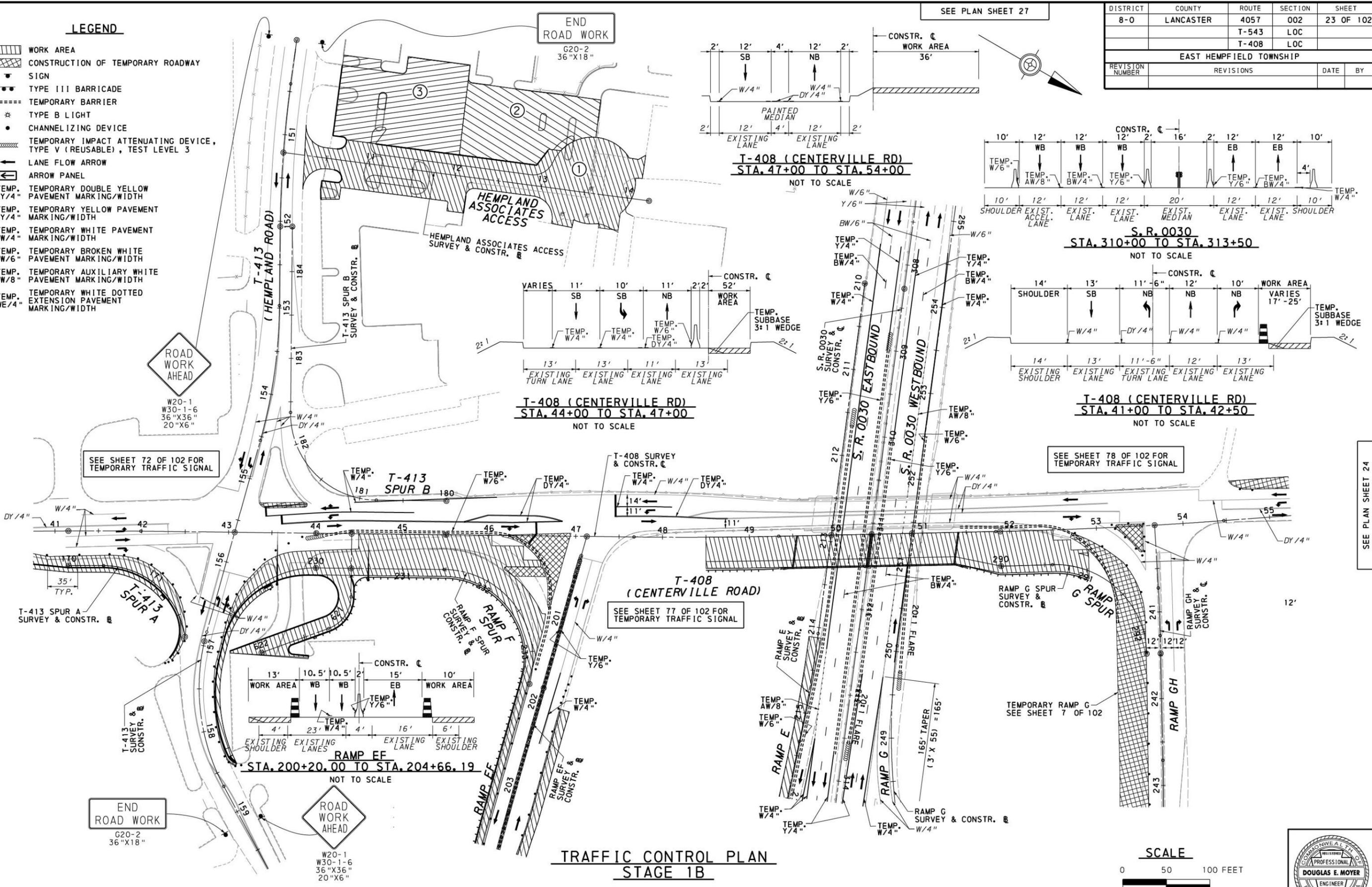
- WORK AREA
- CONSTRUCTION OF TEMPORARY ROADWAY
- SIGN
- TYPE III BARRICADE
- TEMPORARY BARRIER
- TYPE B LIGHT
- CHANNELIZING DEVICE
- TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (REUSABLE), TEST LEVEL 3
- LANE FLOW ARROW
- ARROW PANEL
- TEMP. TEMPORARY DOUBLE YELLOW PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY YELLOW PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY BROKEN WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY AUXILIARY WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY WHITE DOTTED EXTENSION PAVEMENT MARKING/WIDTH

SEE PLAN SHEET 27

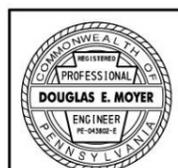
| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET     |
|----------|-----------|-------|---------|-----------|
| 8-0      | LANCASTER | 4057  | 002     | 23 OF 102 |
|          |           | T-543 | LOC     |           |
|          |           | T-408 | LOC     |           |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |



**TRAFFIC CONTROL PLAN  
STAGE 1B**

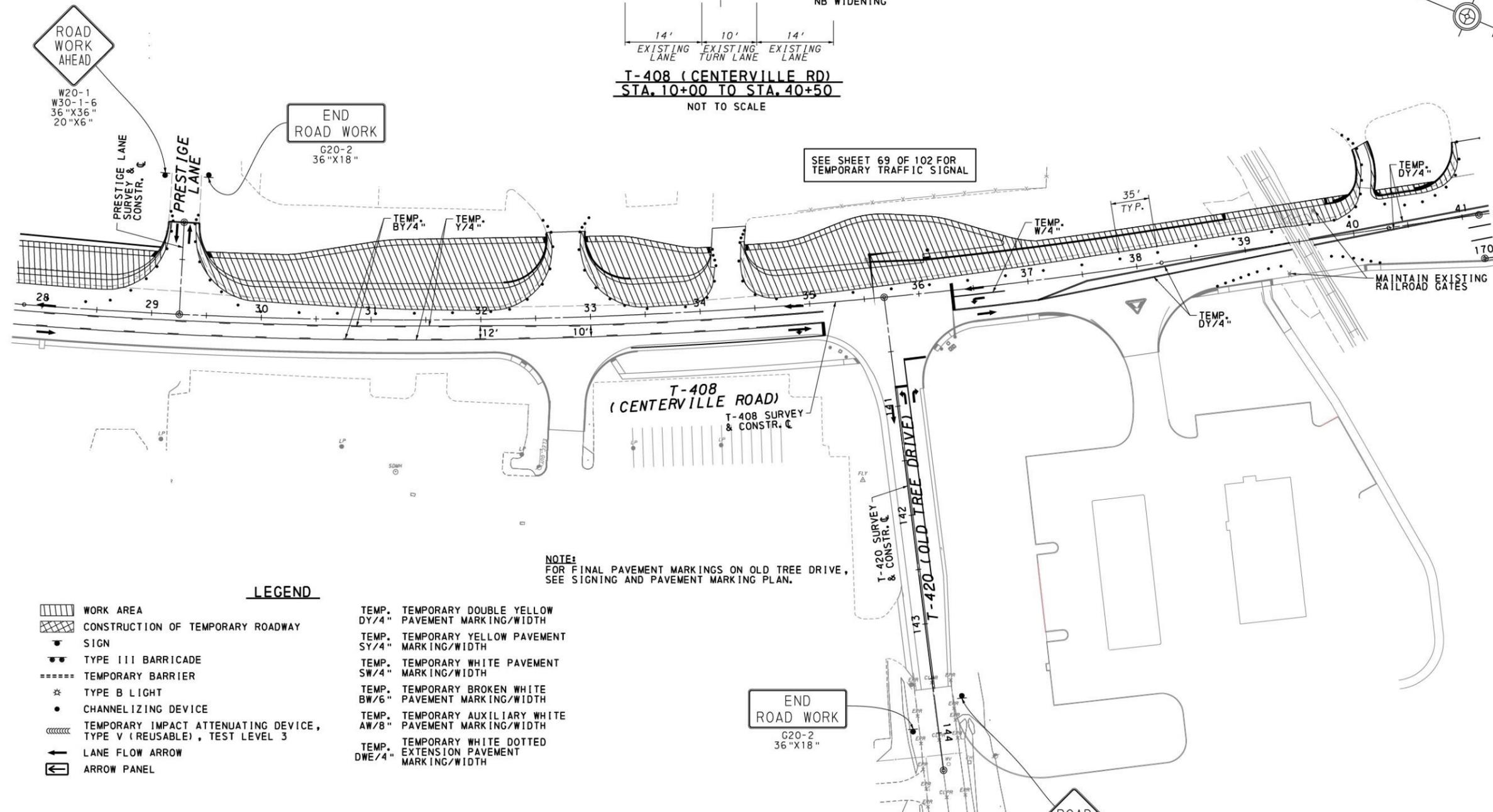
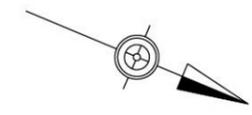
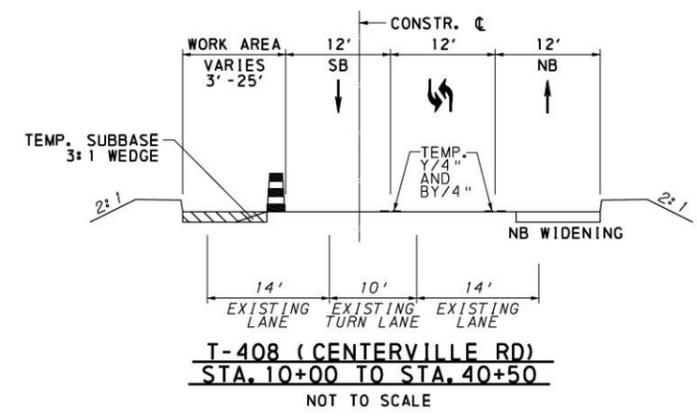


SEE PLAN SHEET 22

SEE PLAN SHEET 24

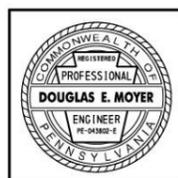
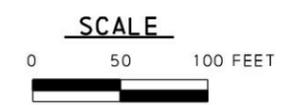
SEE PLAN SHEET 28

|                         |           |       |         |           |
|-------------------------|-----------|-------|---------|-----------|
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
| 8-0                     | LANCASTER | 4057  | 002     | 41 OF 102 |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |



- LEGEND**
- WORK AREA
  - CONSTRUCTION OF TEMPORARY ROADWAY
  - SIGN
  - TYPE III BARRICADE
  - TEMPORARY BARRIER
  - TYPE B LIGHT
  - CHANNELIZING DEVICE
  - TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (REUSABLE), TEST LEVEL 3
  - LANE FLOW ARROW
  - ARROW PANEL
  - TEMP. TEMPORARY DOUBLE YELLOW PAVEMENT MARKING/WIDTH DY/4"
  - TEMP. TEMPORARY YELLOW PAVEMENT MARKING/WIDTH SY/4"
  - TEMP. TEMPORARY WHITE PAVEMENT MARKING/WIDTH SW/4"
  - TEMP. TEMPORARY BROKEN WHITE PAVEMENT MARKING/WIDTH BW/6"
  - TEMP. TEMPORARY AUXILIARY WHITE PAVEMENT MARKING/WIDTH AW/8"
  - TEMP. TEMPORARY WHITE DOTTED EXTENSION PAVEMENT MARKING/WIDTH DWE/4"

**TRAFFIC CONTROL PLAN  
STAGE 3**



SEE PLAN SHEET 42

SEE PLAN SHEET 45

| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET     |
|----------|-----------|-------|---------|-----------|
| 8-0      | LANCASTER | 4057  | 002     | 42 OF 102 |
|          |           | T-543 | LOC     |           |
|          |           | T-408 | LOC     |           |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

**LEGEND**

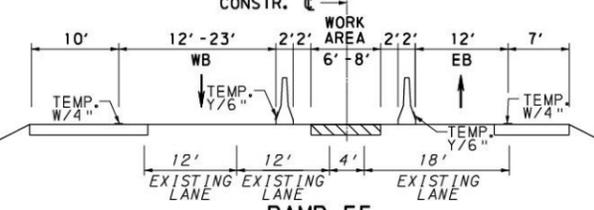
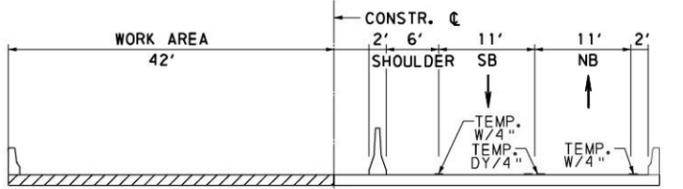
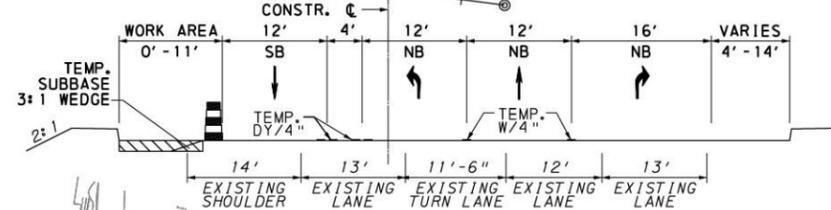
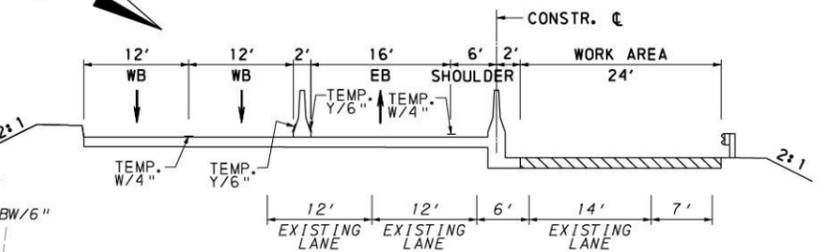
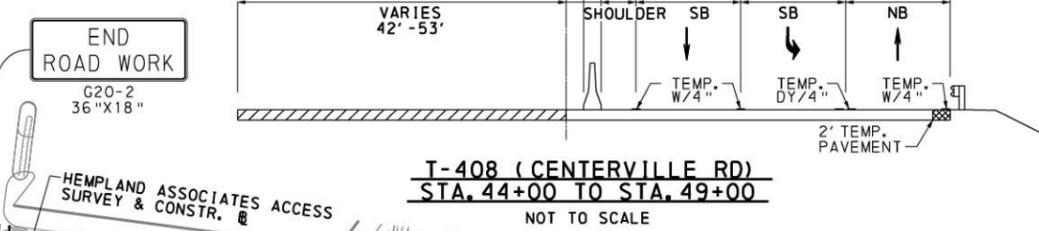
- WORK AREA
- CONSTRUCTION OF TEMPORARY ROADWAY
- SIGN
- TYPE III BARRICADE
- TEMPORARY BARRIER
- TYPE B LIGHT
- CHANNELIZING DEVICE
- TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (REUSABLE), TEST LEVEL 3
- LANE FLOW ARROW
- ARROW PANEL
- TEMP. DOUBLE YELLOW PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY YELLOW PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY BROKEN WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY AUXILIARY WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY WHITE DOTTED EXTENSION PAVEMENT MARKING/WIDTH



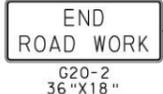
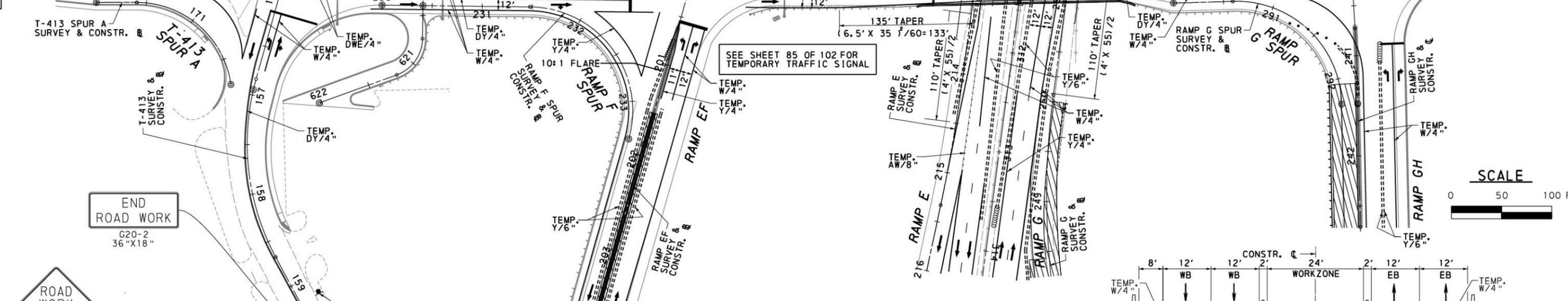
SEE SHEET 74 OF 102 FOR TEMPORARY TRAFFIC SIGNAL

SEE PLAN SHEET 41

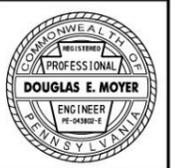
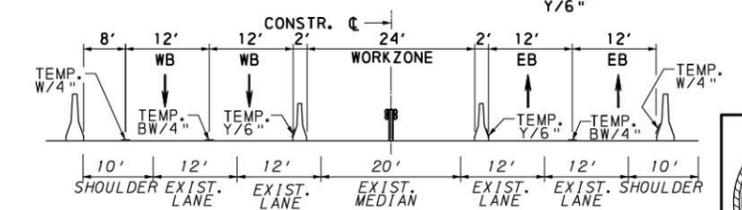
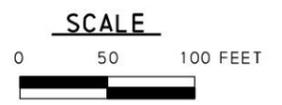
SEE PLAN SHEET 43



SEE SHEET 86 OF 102 FOR TEMPORARY TRAFFIC SIGNAL

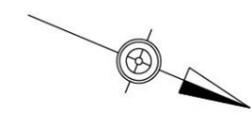


**TRAFFIC CONTROL PLAN  
STAGE 3**



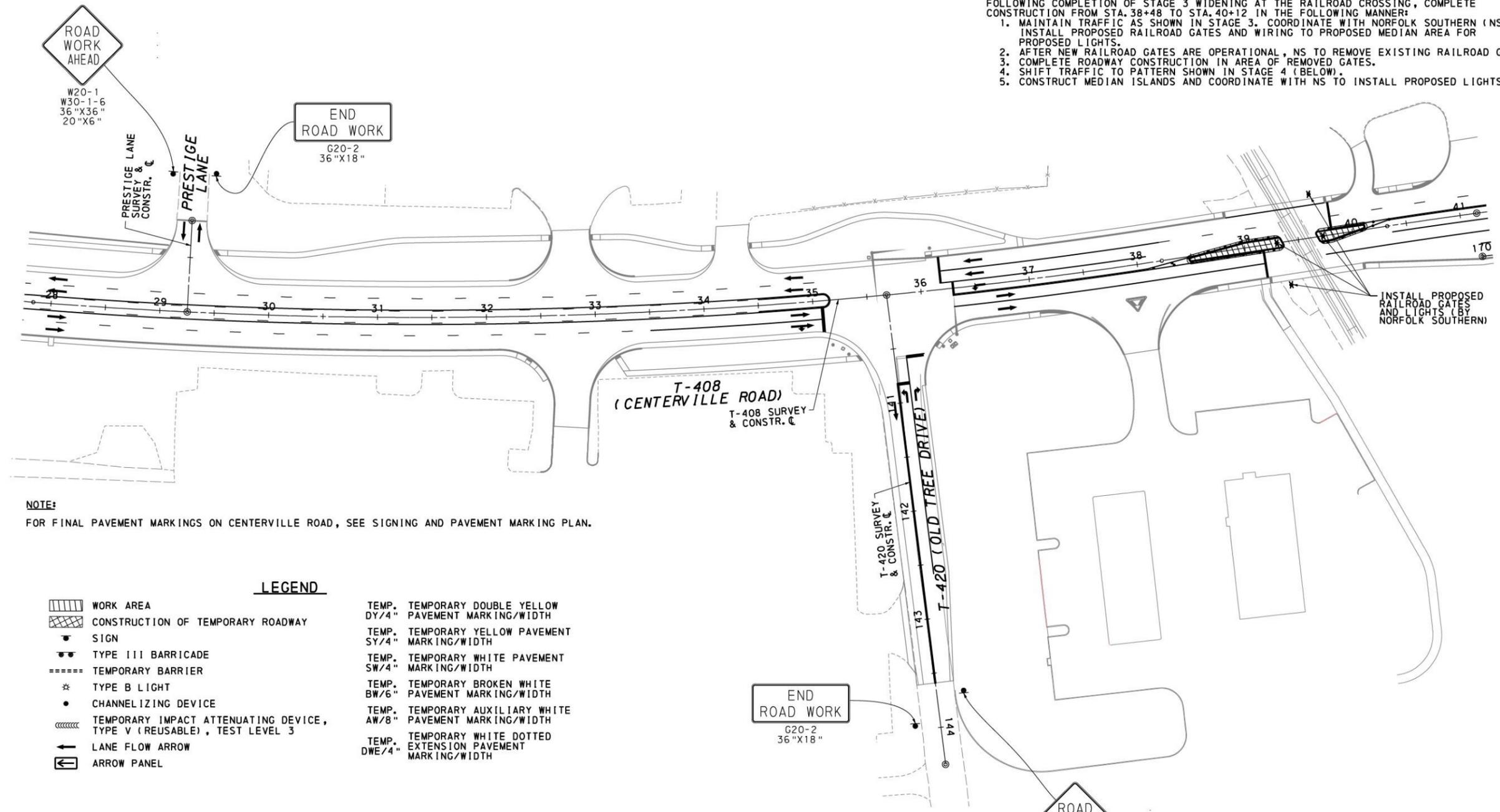
SEE PLAN SHEET 46

| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |    |
|-------------------------|-----------|-------|---------|-----------|----|
| 8-0                     | LANCASTER | 4057  | 002     | 48 OF 102 |    |
|                         |           | T-543 | LOC     |           |    |
|                         |           | T-408 | LOC     |           |    |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |    |
| REVISION NUMBER         | REVISIONS |       |         | DATE      | BY |
|                         |           |       |         |           |    |



**NOTE:**

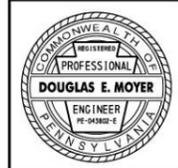
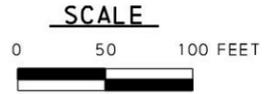
- FOLLOWING COMPLETION OF STAGE 3 WIDENING AT THE RAILROAD CROSSING, COMPLETE CONSTRUCTION FROM STA. 38+48 TO STA. 40+12 IN THE FOLLOWING MANNER:
1. MAINTAIN TRAFFIC AS SHOWN IN STAGE 3. COORDINATE WITH NORFOLK SOUTHERN (NS) TO INSTALL PROPOSED RAILROAD GATES AND WIRING TO PROPOSED MEDIAN AREA FOR PROPOSED LIGHTS.
  2. AFTER NEW RAILROAD GATES ARE OPERATIONAL, NS TO REMOVE EXISTING RAILROAD GATES.
  3. COMPLETE ROADWAY CONSTRUCTION IN AREA OF REMOVED GATES.
  4. SHIFT TRAFFIC TO PATTERN SHOWN IN STAGE 4 (BELOW).
  5. CONSTRUCT MEDIAN ISLANDS AND COORDINATE WITH NS TO INSTALL PROPOSED LIGHTS.



**NOTE:**  
FOR FINAL PAVEMENT MARKINGS ON CENTERVILLE ROAD, SEE SIGNING AND PAVEMENT MARKING PLAN.

| <b>LEGEND</b> |  |              |   |
|---------------|--|--------------|---|
|               | WORK AREA  | TEMP. DY/4"  | TEMPORARY DOUBLE YELLOW PAVEMENT MARKING/WIDTH          |
|               | CONSTRUCTION OF TEMPORARY ROADWAY                                    | TEMP. SY/4"  | TEMPORARY YELLOW PAVEMENT MARKING/WIDTH                 |
|               | SIGN   | TEMP. SW/4"  | TEMPORARY WHITE PAVEMENT MARKING/WIDTH                  |
|               | TYPE III BARRICADE   | TEMP. BW/6"  | TEMPORARY BROKEN WHITE PAVEMENT MARKING/WIDTH           |
|               | TEMPORARY BARRIER  | TEMP. AW/8"  | TEMPORARY AUXILIARY WHITE PAVEMENT MARKING/WIDTH        |
|               | TYPE B LIGHT   | TEMP. DWE/4" | TEMPORARY WHITE DOTTED EXTENSION PAVEMENT MARKING/WIDTH |
|               | CHANNELIZING DEVICE  |              |   |
|               | TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (REUSABLE), TEST LEVEL 3 |              |   |
|               | LANE FLOW ARROW  |              |   |
|               | ARROW PANEL  |              |   |

**TRAFFIC CONTROL PLAN  
STAGE 4A**



SEE PLAN SHEET 49

**LEGEND**

- WORK AREA
- CONSTRUCTION OF TEMPORARY ROADWAY
- SIGN
- TYPE III BARRICADE
- TEMPORARY BARRIER
- TYPE B LIGHT
- CHANNELIZING DEVICE
- TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (REUSABLE), TEST LEVEL 3
- LANE FLOW ARROW
- ARROW PANEL
- TEMP. TEMPORARY DOUBLE YELLOW PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY YELLOW PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY YELLOW PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY BROKEN WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY AUXILIARY WHITE PAVEMENT MARKING/WIDTH
- TEMP. TEMPORARY WHITE DOTTED EXTENSION PAVEMENT MARKING/WIDTH

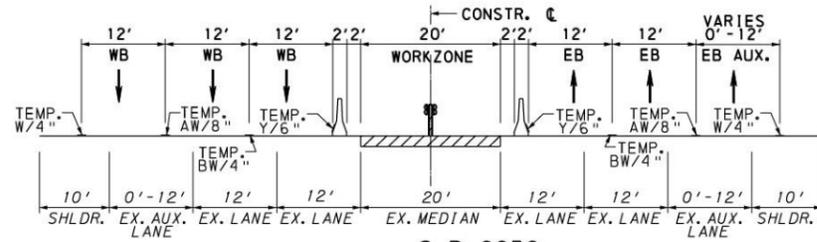
ROAD WORK AHEAD  
W20-1  
W30-1-6  
36"X36"  
20"X6"

END ROAD WORK  
G20-2  
36"X18"

ROAD WORK AHEAD  
W20-1  
W30-1-6  
36"X36"  
20"X6"

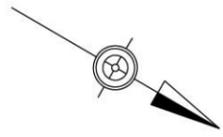
**TRAFFIC CONTROL PLAN  
STAGE 4A**

SEE PLAN SHEET 50



S. R. 0030  
STA. 299+43 TO STA. 333+14  
NOT TO SCALE

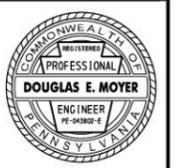
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 4057  | 002     | 49 OF 102 |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |



**NOTE:**  
FOR FINAL PAVEMENT MARKINGS ON CENTERVILLE ROAD AND HEMPLAND ROAD, SEE SIGNING AND PAVEMENT MARKING PLAN.

SEE PLAN SHEET 48

SEE PLAN SHEET 51



TEMPORARY TRAFFIC SIGNALS

| ITEM NO.  | QUAN. | UNIT | DESCRIPTION  | LOCATION  |
|-----------|-------|------|--|---|
| 9000-0728 | 1     | EACH | TEMPORARY TRAFFIC SIGNALS (STAGES 1B, 2A, 2B, & 3) | OLD TREE DRIVE (T-420) AND CENTERVILLE ROAD (T-408) |

\* TEMPORARY SIGNAL PLANS NOT PROVIDED SINCE EXISTING TRAFFIC SIGNAL EQUIPMENT IS TO REMAIN (EXCEPT FOR CONTROLLER). INSTALL EQUIPMENT IN CONTROLLER CABINET TO MAINTAIN COORDINATION AS INDICATED IN THE TABULATION OF QUANTITIES.

TABULATION OF QUANTITIES  
OLD TREE DRIVE (T-420) AND  
CENTERVILLE ROAD (T-408)  
STAGES 1B, 2A & 2B  
(FOR INFORMATION ONLY)

| QUAN. | UNIT | DESCRIPTION  | REMARKS     |
|-------|------|--|-------------|
| 3     | EACH | TRAFFIC SIGNAL SUPPORT, WOOD STRAIN POLE WITH LUMINAIRE ARM (30' MOUNTING HEIGHT)                  | ① ② ④       |
| 1     | EACH | TRAFFIC SIGNAL SUPPORT, WOOD STRAIN POLE   | ③           |
| 1     | EACH | NEMA TS-2; TYPE 2 CONTROLLER ASSEMBLY, TYPE 1 MOUNTING WITH GPS TIME CLOCK AND RAILROAD PREEMPTION | CC3         |
| 1     | EACH | TRAFFIC SIGNAL TIMING ADJUSTMENTS  | AS DIRECTED |
| 5     | EACH | VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS  | ① ② ④ ⑤ ⑥   |
| 1     | EACH | VEHICULAR SIGNAL HEAD, FIVE 12" SECTIONS   | ③           |
| 1     | EACH | ELECTRICAL SERVICE, TYPE A   | CC3         |
| 2     | EACH | RADAR DETECTOR, ADVANCE/DILEMMA  | ① ②         |
| 2     | EACH | RADAR DETECTOR, PRESENCE   | ① ②         |
| 3     | EACH | LED LUMINAIRE, ARM MOUNT   | ① ② ③       |
| *     | LS   | MISCELLANEOUS HARDWARE   |             |
| 25.25 | SF   | POST MOUNTED SIGNS, TYPE B   |             |
| 9.5   | SF   | POST MOUNTED SIGNS, TYPE F   |             |
| 42.5  | SF   | STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGNS  |             |
| 2391  | LF   | AWG 8 ABOVE GROUND CABLE, COPPER, 1 CONDUCTOR  |             |
| 853   | LF   | SIGNAL CABLE, 14 AWG, 5 CONDUCTOR  |             |
| 215   | LF   | SIGNAL CABLE, 14 AWG, 7 CONDUCTOR  |             |

\* AS NEEDED

TABULATION OF QUANTITIES  
OLD TREE DRIVE (T-420) AND  
CENTERVILLE ROAD (T-408)  
STAGE 3  
(FOR INFORMATION ONLY)

| QUAN. | UNIT | DESCRIPTION                              | REMARKS |
|-------|------|--|---------|
| 2     | EACH | VEHICULAR SIGNAL HEAD, THREE 8" SECTIONS | ⑦ ⑧     |
| 18.75 | SF   | POST MOUNTED SIGNS, TYPE B               |         |
| 200   | LF   | SIGNAL CABLE, 14 AWG, 5 CONDUCTOR        |         |
| 150   | LF   | SIGNAL CABLE, 14 AWG, 3 CONDUCTOR        |         |
| 2     | EA   | PEDESTRIAN PUSH BUTTON                   | ① ②     |

CONSTRUCTION NOTES

- A MINIMUM DISTANCE OF 8' AND A PREFERRED DISTANCE OF 12' SHALL BE MAINTAINED BETWEEN SIGNAL FACES ALONG A LINE PERPENDICULAR TO THE CENTER LINE OF THE APPROACH.
- NON-APPLICABLE AND CONFLICTING PAVEMENT MARKINGS SHALL BE ERADICATED.
- ALL STOP BARS SHALL BE LOCATED A MINIMUM OF 40' FROM THE NEAREST SIGNAL INDICATION.
- ADJUSTMENT OF THE VIDEO DETECTORS, TO THE SATISFACTION OF THE DEPARTMENT, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL PERMANENT CONFLICTING SIGNS SHALL BE COVERED PER THIS PERMIT. THEY WILL BE UNCOVERED UPON REMOVAL OF THIS SIGNAL.
- INSTALL SIGNALS WITH ENOUGH CABLE TO ALLOW FOR RELOCATION OF SIGNALS DURING FUTURE PHASES OF CONSTRUCTION.
- PLACE PAVEMENT MARKINGS IN ACCORDANCE WITH PUBLICATION 111M.
- AT NO TIME DURING CONSTRUCTION WILL VISIBILITY TO THE TEMPORARY SIGNAL HEADS BE BLOCKED OR OBSTRUCTED BY THE NEW TRAFFIC SIGNAL POLE INSTALLATION.
- IF PROPOSED SIGNS MATCH EXISTING SIGNS, AND ARE IN ACCEPTABLE LOCATIONS AND CONDITION, THEY MAY BE USED IN LIEU OF PROPOSED SIGNS SHOWN ON THIS PERMIT.
- ENSURE TEMPORARY POLES ARE OF ADEQUATE STRENGTH AND SUPPORTED PROPERLY FOR REQUIRED LOADING. USE STEEL POLES IF NECESSARY AT NO ADDITIONAL COST. ENSURE EXISTING MAST ARMS AND SIGNAL SUPPORTS CAN SUPPORT ANY REQUIRED ADDITIONAL LOADING.
- ENSURE THAT WIRES SPANNING TRAFFIC LANES DO NOT BLOCK SIGNAL HEADS, AND HAVE SUFFICIENT VERTICAL CLEARANCE.
- ENSURE THAT EXISTING EQUIPMENT TO REMAIN IN USE IS OPERATING ACCEPTABLY. REPAIR OR REPLACE AT NO ADDITIONAL COST IF NEEDED.
- EQUIP CONTROLLER WITH GPS PULSE SYNCHRONIZATION DEVICE FOR TIME-BASED COORDINATION.
- COORDINATE WITH LOCAL MUNICIPALITIES TO ENSURE PREEMPTION SYSTEM IS COMPATIBLE WITH EMITTERS.
- CONTRACTOR TO INSTALL PREEMPTION EQUIPMENT IN OPTIMAL LOCATIONS FOR PROPER FUNCTIONALITY.

| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET     |
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|          |           | 0023  | 002     |           |
|          |           | T-543 | LOC     |           |
|          |           | T-408 | LOC     |           |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

GENERAL NOTES

INSTALL, OPERATE AND MAINTAIN THIS TRAFFIC SIGNAL IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION. REGULATION ON OFFICIAL TRAFFIC CONTROL DEVICES, AND PUBLICATION 408M, LATEST REVISIONS.

NO MODIFICATION OF THIS INSTALLATION IS PERMITTED UNLESS PRIOR APPROVAL IS GRANTED, IN WRITING, BY THE DEPARTMENT.

ALL MAINTENANCE NECESSARY FOR PROPER VISIBILITY OF SIGNALS, INCLUDING TRIMMING TREES, IS THE RESPONSIBILITY OF THE PERMITTEE.

THE PERMITTEE INSTALLS AND MAINTAINS ALL SIGNS AND PAVEMENT MARKINGS INDICATED ON THIS DRAWING WHICH ARE CONSIDERED PART OF THE PERMIT, UNLESS OTHERWISE INDICATED. THE DEPARTMENT MAINTAINS THE LONGITUDINAL PAVEMENT MARKINGS ON STATE HIGHWAYS.

POST MOUNTED SIGNALS SHALL BE INSTALLED WITH THE SIGNAL HEAD A MINIMUM OF 2 FEET BEHIND THE FACE OF THE CURB OR EDGE OF THE SHOULDER. SUPPORT POLES FOR OVERHEAD SIGNALS SHALL ALSO HAVE A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.

THE BOTTOM OF SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY SHALL NOT BE LESS THAN 17 FEET OR MORE THAN 19 FEET ABOVE THE ROADWAY. THE BOTTOM OF POST MOUNTED SIGNAL HEADS SHALL NOT BE LESS THAN 10 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.

THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL HEADS, MEASURED AT RIGHT ANGLES TO THE APPROACH, SHALL BE 8 FEET.

IN ADDITION TO THIS SIGNAL PERMIT, THE PERMITTEE MUST OBTAIN A HIGHWAY OCCUPANCY PERMIT PRIOR TO ANY OPENINGS BEING MADE IN OR UNDER ANY PORTION OF A STATE HIGHWAY.

THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE PROVISIONS OF ACT 287-1974, AS AMENDED BY ACT 38-1991 AND ACT 187-1996, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, CONSULT WITH UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITIES.

PERMITTEE IS RESPONSIBLE FOR OBTAINING APPROVAL FOR INSTALLATION OF TRAFFIC SIGNAL DEVICES LOCATED OUTSIDE HIGHWAY RIGHT-OF-WAY.

COORDINATE WITH DISTRICT TRAFFIC SIGNAL UNIT PRIOR TO ANY CONSTRUCTION STAGE CHANGE TO COORDINATE CHANGES TO SIGNALS.

NO PERMANENT SIGNAL EQUIPMENT SHALL BE USED FOR TEMPORARY SIGNALS, EXCEPT FOR EQUIPMENT SHOWN WITHIN THIS PLAN.

TEMPORARY TRAFFIC SIGNAL PERMIT

IN ACCORDANCE WITH THE VEHICLE CODE, THE SECRETARY OF TRANSPORTATION HEREBY APPROVES THE INSTALLATION AND OPERATION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF:  
OLD TREE DRIVE (T-402) AND CENTERVILLE ROAD (T-408)

IN THE EAST HEMPFIELD TOWNSHIP, COUNTY OF LANCASTER

THIS PERMIT IS ISSUED TO, AND ACCEPTED BY THE CONTRACTOR

THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE VEHICLE CODE AND THE REGULATIONS FOR TRAFFIC SIGNS, SIGNALS AND MARKINGS OF THE DEPARTMENT OF TRANSPORTATION, AND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS AND THOSE CONTAINED ON THE ATTACHED SHEETS.

TYPE OF CONTROLLER ACTUATED  
 TYPE OF SIGNAL MOUNTING TEMPORARY SIGNAL  
 HOURS OF OPERATION AS "STOP" AND GO" CONTINUOUSLY  
 HOURS OF OPERATION AS "FLASHING" EQUIPPED FOR EMERGENCY FLASHING  
 CONTROLLER OPERATION CONTROLLER TO PROVIDE THE PHASING, TIMING, AND SIGNAL DISPLAY  
 AS INDICATED ON THE DIAGRAM.

ALL WORK PERFORMED BY THE PERMITTEE IN THE ERECTION OF THE TRAFFIC SIGNAL SHALL BE UNDER AND SUBJECT TO THE DIRECTION OF THE SECRETARY OF TRANSPORTATION OR HIS AUTHORIZED REPRESENTATIVES. THE SAID PERMITTEE SHALL USE DUE DILIGENCE IN THE EXECUTION OF THE WORK AUTHORIZED UNDER THIS PERMIT AND SHALL NOT OBSTRUCT OR ENDANGER TRAVEL ALONG THE SAID ROAD. ALL OPERATIONS MUST BE CONDUCTED SO AS TO PERMIT SAFE AND REASONABLE FREE TRAVEL AT ALL TIMES OVER THE ROAD WITHIN THE LIMITS OF THE WORK HEREIN PERMITTED.

THE PERMITTEE COVENANTS AND AGREES TO FULLY INDEMNIFY AND SAVE HARMLESS THE DEPARTMENT OF TRANSPORTATION AND ASSUME ALL LIABILITY FOR DAMAGES OR INJURY, OCCURRING TO ANY PERSON, PERSONS AS PROPERTY THROUGH OR IN CONSEQUENCE OF ANY ACT OR OMISSION OF ANYONE WORKING ON THE CONSTRUCTION, OR FROM FAULTY MAINTENANCE OR OPERATION OF SUCH TRAFFIC SIGNAL.

THE SECRETARY OF TRANSPORTATION, BY LAW, RESERVES THE RIGHT TO REVOKE AND ANNUL THIS PERMIT IF THE PERMITTEE SHALL AT ANYTIME WILLFULLY OR NEGLIGENTLY FAILS TO COMPLY WITH THE CONDITIONS CONTAINED IN THIS PERMIT, OR, UPON CHANGES IN THE TRAFFIC CONDITIONS, FAIL TO MAKE ANY CHANGES IN THE CONSTRUCTION OR OPERATION OF THIS SIGNAL, OR TO REMOVE IT, WHEN SO ORDERED BY THE SECRETARY OF TRANSPORTATION. THE PERMITTEE SHALL MAINTAIN THE SIGNAL IN A SAFE CONDITION AT ALL TIMES. THE PERMITTEE SHALL NOT MAKE ANY CHANGE IN THE CONSTRUCTION OR OPERATION OF THIS TRAFFIC SIGNAL WITHOUT PRIOR WRITTEN APPROVAL OF THE SECRETARY OF TRANSPORTATION.

INITIAL DATE: \_\_\_\_\_ APPROVED: YASSMIN GRAMIAN, P.E.

REVISION DATE: \_\_\_\_\_ BY: \_\_\_\_\_

DISTRICT EXECUTIVE

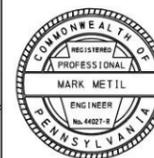
COUNTY: LANCASTER

MUNICIPALITY: EAST HEMPFIELD TOWNSHIP

INTERSECTION: OLD TREE DRIVE (T-402)

AND CENTERVILLE ROAD (T-408)

SCALE: 0 25 50 75

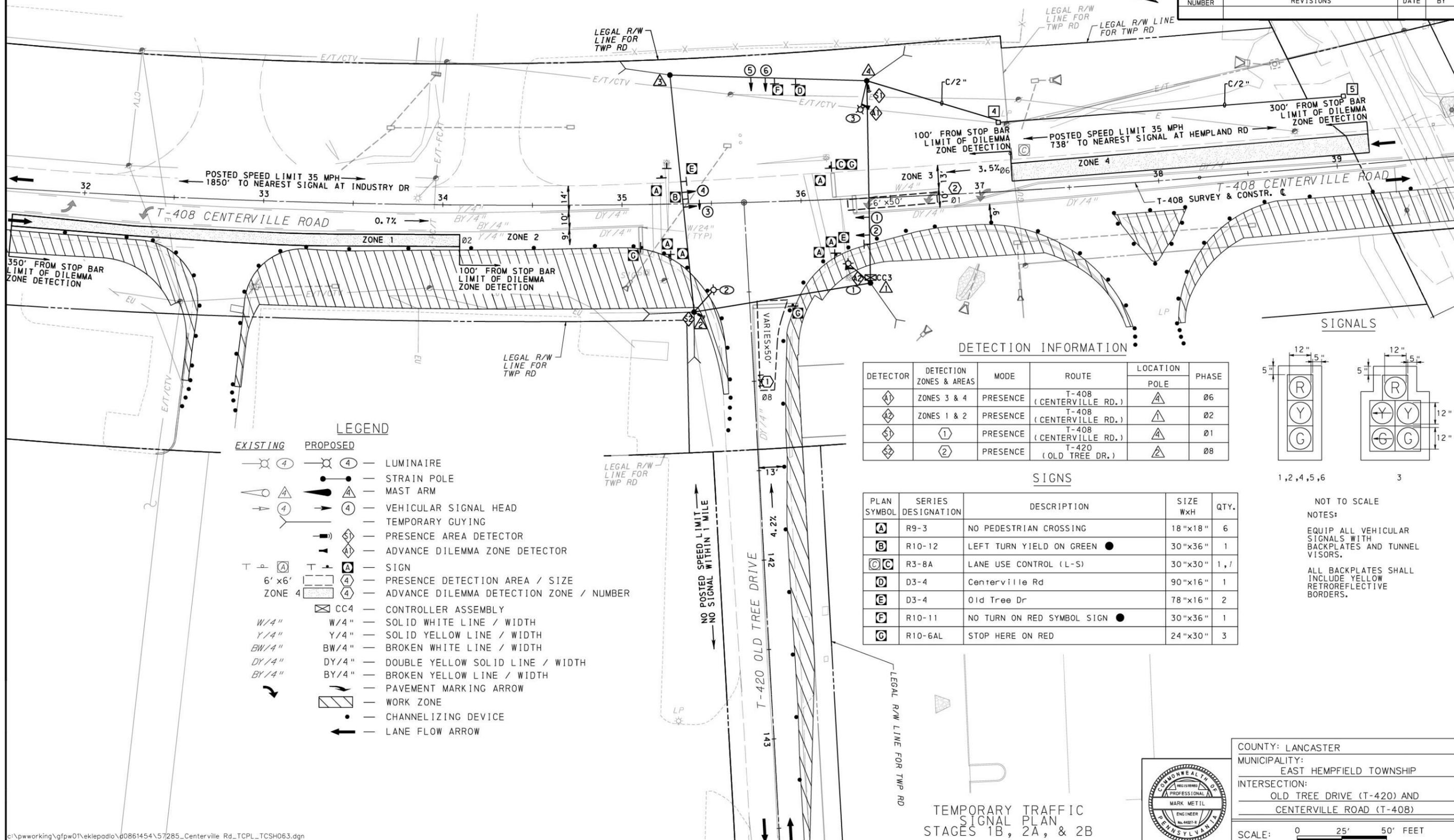


ADVANCE DILEMMA ZONE NOTES ( ZONES 1 & 4 ) DENSITY ZONE NOTES ( ZONES 2 & 3 )

ESTIMATED TIME OF ARRIVAL: MIN 2.5 - MAX 5.5 SEC.  
 RANGE OF DETECTION: MIN 100 - MAX 350 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 25 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

RANGE OF DETECTION: MIN 0 - MAX 100 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 1 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

|                         |           |       |         |           |
|-------------------------|-----------|-------|---------|-----------|
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
| 8-0                     | LANCASTER | 0030  | 145     | 67 OF 102 |
|                         |           | 4057  | 002     |           |
|                         |           | 0023  | 002     |           |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

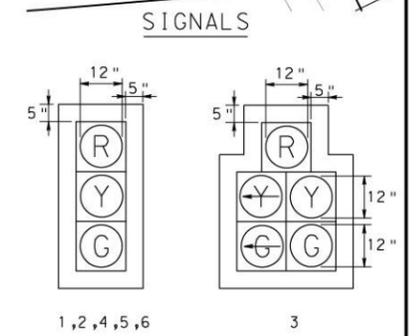


DETECTION INFORMATION

| DETECTOR | DETECTION ZONES & AREAS | MODE     | ROUTE                   | LOCATION |       |
|----------|-------------------------|----------|-------------------------|----------|-------|
|          |                         |          |                         | POLE     | PHASE |
| ①        | ZONES 3 & 4             | PRESENCE | T-408 (CENTERVILLE RD.) | ▲        | 06    |
| ②        | ZONES 1 & 2             | PRESENCE | T-408 (CENTERVILLE RD.) | ▲        | 02    |
| ③        | ①                       | PRESENCE | T-408 (CENTERVILLE RD.) | ▲        | 01    |
| ④        | ②                       | PRESENCE | T-420 (OLD TREE DR.)    | ▲        | 08    |

SIGNS

| PLAN SYMBOL | SERIES DESIGNATION | DESCRIPTION                  | SIZE WxH | QTY. |
|-------------|--------------------|------------------------------|----------|------|
| A           | R9-3               | NO PEDESTRIAN CROSSING       | 18"x18"  | 6    |
| B           | R10-12             | LEFT TURN YIELD ON GREEN ●   | 30"x36"  | 1    |
| C           | R3-8A              | LANE USE CONTROL (L-S)       | 30"x30"  | 1, 1 |
| D           | D3-4               | Centerville Rd               | 90"x16"  | 1    |
| E           | D3-4               | Old Tree Dr                  | 78"x16"  | 2    |
| F           | R10-11             | NO TURN ON RED SYMBOL SIGN ● | 30"x36"  | 1    |
| G           | R10-6AL            | STOP HERE ON RED             | 24"x30"  | 3    |

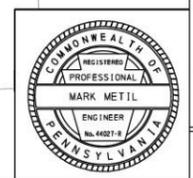


LEGEND

- | EXISTING | PROPOSED |  |
|----------|----------|--|
|          |          | LUMINAIRE                                |
|          |          | STRAIN POLE                              |
|          |          | MAST ARM                                 |
|          |          | VEHICULAR SIGNAL HEAD                    |
|          |          | TEMPORARY GUYING                         |
|          |          | PRESENCE AREA DETECTOR                   |
|          |          | ADVANCE DILEMMA ZONE DETECTOR            |
|          |          | SIGN                                     |
|          |          | PRESENCE DETECTION AREA / SIZE           |
|          |          | ADVANCE DILEMMA DETECTION ZONE / NUMBER  |
|          |          | CC4 — CONTROLLER ASSEMBLY                |
|          |          | W/4" — SOLID WHITE LINE / WIDTH          |
|          |          | Y/4" — SOLID YELLOW LINE / WIDTH         |
|          |          | BW/4" — BROKEN WHITE LINE / WIDTH        |
|          |          | DY/4" — DOUBLE YELLOW SOLID LINE / WIDTH |
|          |          | BY/4" — BROKEN YELLOW LINE / WIDTH       |
|          |          | — PAVEMENT MARKING ARROW                 |
|          |          | — WORK ZONE                              |
|          |          | — CHANNELIZING DEVICE                    |
|          |          | — LANE FLOW ARROW                        |

NOT TO SCALE  
 NOTES:  
 EQUIP ALL VEHICULAR SIGNALS WITH BACKPLATES AND TUNNEL VISORS.  
 ALL BACKPLATES SHALL INCLUDE YELLOW RETROREFLECTIVE BORDERS.

TEMPORARY TRAFFIC SIGNAL PLAN STAGES 1B, 2A, & 2B



|   |
|---|
| COUNTY: LANCASTER   |
| MUNICIPALITY: EAST HEMPFIELD TOWNSHIP                             |
| INTERSECTION: OLD TREE DRIVE (T-420) AND CENTERVILLE ROAD (T-408) |
| SCALE: 0 25' 50' FEET   |



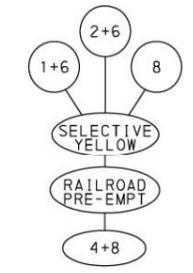
| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 0030  | 145     | 68 OF 102 |
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|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

MOVEMENT, SEQUENCE AND TIMING

| SIGNALS      | PHASE 1+6   |     |     | PHASE 2+6  |     |     | PHASE 8     |   |     | RAILROAD PRE-EMPTION |    |   |   | FLASHING |
|--------------|-------------|-----|-----|------------|-----|-----|-------------|---|-----|----------------------|----|---|---|----------|
|              | 1           | 2   | 3   | 1          | 2   | 3   | 1           | 2 | 3   | 1                    | 2  | 3 | 4 |          |
| 1,2          | R           | R   | R   | G          | Y   | R   | R           | R | R   | SELECTIVE YELLOW     | R  | R | R | Y        |
| 3            | G           | Y   | R   | G          | Y   | R   | R           | R | R   | SELECTIVE YELLOW     | G  | Y | R | Y        |
| 4            | G           | Y   | R   | G          | Y   | R   | R           | R | R   | SELECTIVE YELLOW     | G  | Y | R | Y        |
| 5,6          | R           | R   | R   | R          | R   | R   | G           | Y | R   | SELECTIVE YELLOW     | R  | R | R | R        |
| FIXED        |             | 3.6 | 2.4 |            | 3.6 | 2.4 |             | 3 | 2.8 | ①                    | 33 | ① | ① |          |
| MINIMUM      | 3           |     |     | 10         |     |     | 3           |   |     |                      |    |   |   |          |
| PASSAGE      | 3           |     |     | 1          |     |     | 3           |   |     |                      |    |   |   |          |
| MAX I (FREE) | 20          |     |     | 40         |     |     | 20          |   |     |                      |    |   |   |          |
| MEMORY       | NON-LOCKING |     |     | MIN-RECALL |     |     | NON-LOCKING |   |     |                      |    |   |   |          |

- NOTES:
- G<sub>4</sub> IF FOLLOWED BY PHASE 2+6
  - G IF FOLLOWED BY PHASE 2+6
  - SELECTIVE YELLOW INCLUDES THE NORMAL ALL-RED PHASE INTERVAL
  - NORMAL YELLOW AND ALL-RED PHASE TIMINGS SHALL BE UTILIZED

RAILROAD PRE-EMPTION SEQUENCE



RAILROAD PRE-EMPTION NOTES

THE VEHICULAR TRAFFIC SIGNAL CONTROLLER IS INTERCONNECTED WITH THE EXISTING RAILROAD CROSSING PROTECTION. WHEN THE RAILROAD CROSSING PROTECTION IS ACTIVATED, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER WILL PROVIDE THE RAILROAD PRE-EMPTION PHASE. RAILROAD PRE-EMPTION MAY OCCUR DURING ANY INTERVAL OF THE NORMAL OPERATION.  
NOTE: MINIMUM GREEN FOR ANY PHASE MUST BE SERVED.

THEREFORE, IF RAILROAD PRE-EMPTION OCCURS:

- UTILIZE THE APPROPRIATE CLEARANCE INTERVAL PRIOR TO GOING TO INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE.
- ANY GREEN INDICATION UNDER NORMAL OPERATION OR DURING EMERGENCY PRE-EMPTION, EXCEPT THE GREEN INDICATIONS FOR SIGNALS 3 AND 4, SHALL BE FOLLOWED IMMEDIATELY BY INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE AFTER THE MINIMUM GREEN TIME HAS BEEN SERVED.
- ANY YELLOW INDICATION SHALL TIME OUT AND BE FOLLOWED BY THE NORMAL ALL-RED INTERVAL AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.
- ANY ALL-RED INTERVAL SHALL TIME OUT AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.

IF RAILROAD PRE-EMPTION OCCURS DURING EMERGENCY FLASHING, SIGNALS SHALL REMAIN IN EMERGENCY FLASHING.

UPON TERMINATION OF INTERVAL 4 OF THE RAILROAD PRE-EMPTION PHASE, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER SHALL PROCEED TO INTERVAL 1 OF PHASE 8.

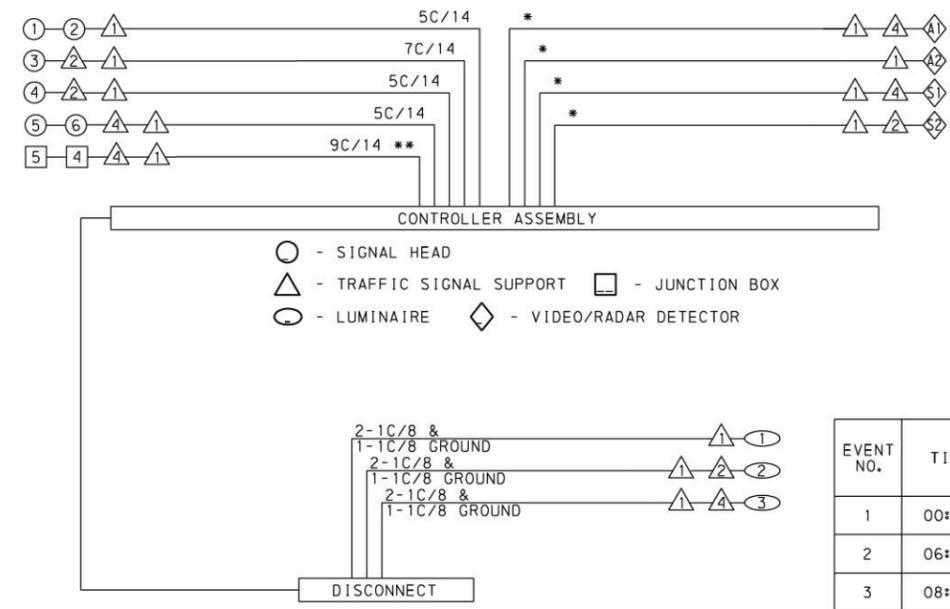
**D**  
**Centerville Rd**

- 10.6"UC LET  
8"LC LET  
CLEARVIEW 2W
- 05.1 -
  - 08.4 - C
  - 06.6 - e
  - 06.0 - n
  - 04.4 - t
  - 06.6 - e
  - 03.8 - r
  - 06.1 - v
  - 03.6 - i
  - 03.7 - i
  - 03.4 - i
  - 05.5 - e
  - 08.0 -
  - 05.6 - d
  - 05.0 -
- 90.0

**E**  
**Old Tree Dr**

- 10.6"UC LET  
8"LC LET  
CLEARVIEW 2W
- 03.3 -
  - 10.2 - 0
  - 03.4 - i
  - 05.6 - d
  - 08.0 -
  - 07.7 - T
  - 04.2 - r
  - 06.4 - e
  - 05.5 - e
  - 08.0 -
  - 09.0 - D
  - 03.4 - r
  - 03.3 -
- 78.0

WIRING DIAGRAM



- - SIGNAL HEAD
- △ - TRAFFIC SIGNAL SUPPORT
- - JUNCTION BOX
- ◊ - LUMINAIRE
- ◇ - VIDEO/RADAR DETECTOR

COORDINATION CHART

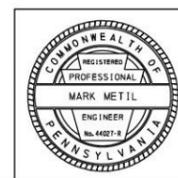
| EVENT NO. | TIME  | PLAN | DAY OF WEEK |   |   |   |   |   |   | CYCLE | OFFSET (STAGE 1) | OFFSET (STAGE 2) | SPLIT |    |    |    |    |    |    |    | REMARKS     |
|-----------|-------|------|-------------|---|---|---|---|---|---|-------|------------------|------------------|-------|----|----|----|----|----|----|----|-------------|
|           |       |      | M           | T | W | T | F | S | S |       |                  |                  | 01    | 02 | 03 | 04 | 05 | 06 | 07 | 08 |             |
| 1         | 00:00 | FREE | X           | X | X | X | X | X | X | -     | -                | -                | -     | -  | -  | -  | -  | -  | -  | -  | MAX I       |
| 2         | 06:30 | 1    | X           | X | X | X | X | X | X | 130   | 122              | 40               | 30    | 69 | -  | -  | -  | 99 | -  | 31 | AM PEAK     |
| 3         | 08:00 | 2    | X           | X | X | X | X | X | X | 130   | 124              | 105              | 26    | 64 | -  | -  | -  | 90 | -  | 40 | MIDDAY PEAK |
| 4         | 15:00 | 3    | X           | X | X | X | X | X | X | 130   | 125              | 80               | 19    | 65 | -  | -  | -  | 84 | -  | 46 | PM PEAK     |
| 5         | 18:00 | FREE | X           | X | X | X | X | X | X | -     | -                | -                | -     | -  | -  | -  | -  | -  | -  | -  | FREE        |
| 6         | 11:00 | 4    |             |   |   |   |   |   |   | 130   | 124              | 105              | 26    | 64 | -  | -  | -  | 90 | -  | 40 | WEEKEND     |
| 7         | 14:00 | FREE |             |   |   |   |   |   |   | -     | -                | -                | -     | -  | -  | -  | -  | -  | -  | -  | FREE        |

5C/14 - CABLE (NO. OF CONDUCTORS/SIZE AWG)

\* WIRE PER MANUFACTURERS SPECIFICATIONS.  
\*\* INSTALL JUNCTION BOXES 4 AND 5 AS SHOWN ON THE PERMANENT TRAFFIC SIGNAL PLANS. OWNER OF RR CROSSING SHALL BE RESPONSIBLE FOR FINAL CONNECTION BETWEEN RR CROSSING SIGNAL CONTROLLER AND JUNCTION BOX.

NOTE: CABLES WITHIN CONDUITS SHALL NOT BE BOUND TOGETHER

TEMPORARY TRAFFIC SIGNAL PLAN STAGES 1B, 2A, & 2B



COUNTY: LANCASTER  
MUNICIPALITY: EAST HEMPFIELD TOWNSHIP  
INTERSECTION: OLD TREE DRIVE (T-420) AND CENTERVILLE ROAD (T-408)

SCALE: 0 25' 50' FEET

**ADVANCE DILEMMA ZONE NOTES ( ZONES 1 & 4 )**

ESTIMATED TIME OF ARRIVAL: MIN 2.5 - MAX 5.5 SEC.  
 RANGE OF DETECTION: MIN 100 - MAX 350 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 25 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

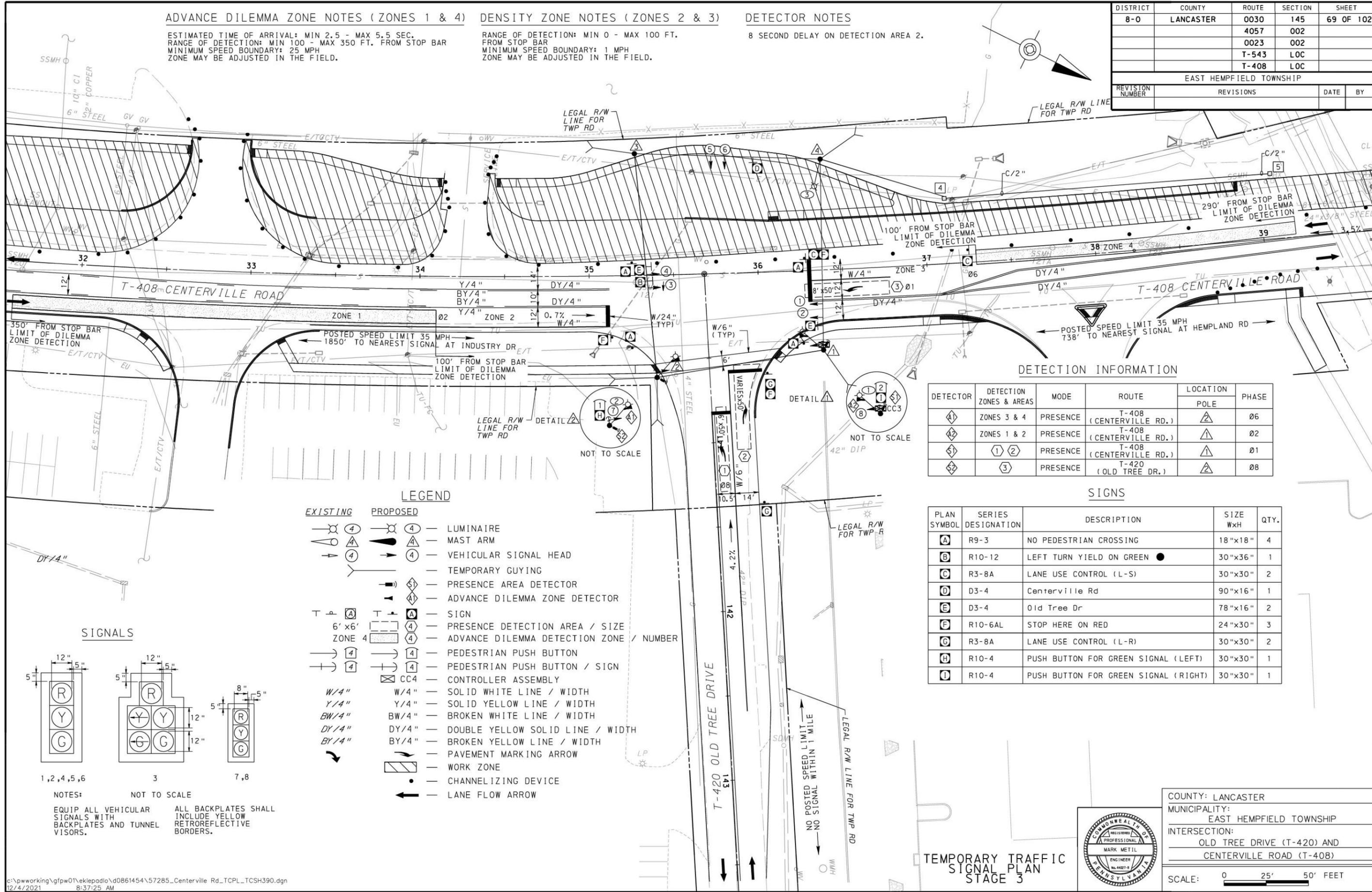
**DENSITY ZONE NOTES ( ZONES 2 & 3 )**

RANGE OF DETECTION: MIN 0 - MAX 100 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 1 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

**DETECTOR NOTES**

8 SECOND DELAY ON DETECTION AREA 2.

| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 0030  | 145     | 69 OF 102 |
|                         |           | 4057  | 002     |           |
|                         |           | 0023  | 002     |           |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |



**DETECTION INFORMATION**

| DETECTOR | DETECTION ZONES & AREAS | MODE     | ROUTE                   | LOCATION |       |
|----------|-------------------------|----------|-------------------------|----------|-------|
|          |                         |          |                         | POLE     | PHASE |
| 4        | ZONES 3 & 4             | PRESENCE | T-408 (CENTERVILLE RD.) | 2        | 06    |
| 4        | ZONES 1 & 2             | PRESENCE | T-408 (CENTERVILLE RD.) | 1        | 02    |
| 5        | 1 2                     | PRESENCE | T-408 (CENTERVILLE RD.) | 1        | 01    |
| 5        | 3                       | PRESENCE | T-420 (OLD TREE DR.)    | 2        | 08    |

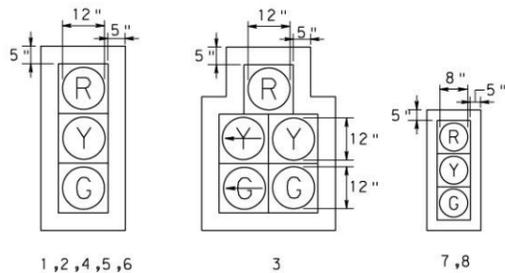
**SIGNS**

| PLAN SYMBOL | SERIES DESIGNATION | DESCRIPTION                          | SIZE WxH | QTY. |
|-------------|--------------------|--------------------------------------|----------|------|
| A           | R9-3               | NO PEDESTRIAN CROSSING               | 18"x18"  | 4    |
| B           | R10-12             | LEFT TURN YIELD ON GREEN             | 30"x36"  | 1    |
| C           | R3-8A              | LANE USE CONTROL (L-S)               | 30"x30"  | 2    |
| D           | D3-4               | Centerville Rd                       | 90"x16"  | 1    |
| E           | D3-4               | Old Tree Dr                          | 78"x16"  | 2    |
| F           | R10-6AL            | STOP HERE ON RED                     | 24"x30"  | 3    |
| G           | R3-8A              | LANE USE CONTROL (L-R)               | 30"x30"  | 2    |
| H           | R10-4              | PUSH BUTTON FOR GREEN SIGNAL (LEFT)  | 30"x30"  | 1    |
| I           | R10-4              | PUSH BUTTON FOR GREEN SIGNAL (RIGHT) | 30"x30"  | 1    |

**LEGEND**

| EXISTING | PROPOSED |   |
|----------|----------|---|
|          |          | LUMINAIRE                               |
|          |          | MAST ARM                                |
|          |          | VEHICULAR SIGNAL HEAD                   |
|          |          | TEMPORARY GUYING                        |
|          |          | PRESENCE AREA DETECTOR                  |
|          |          | ADVANCE DILEMMA ZONE DETECTOR           |
|          |          | SIGN                                    |
|          |          | PRESENCE DETECTION AREA / SIZE          |
|          |          | ADVANCE DILEMMA DETECTION ZONE / NUMBER |
|          |          | PEDESTRIAN PUSH BUTTON                  |
|          |          | PEDESTRIAN PUSH BUTTON / SIGN           |
|          |          | CONTROLLER ASSEMBLY                     |
|          |          | W/4" SOLID WHITE LINE / WIDTH           |
|          |          | Y/4" SOLID YELLOW LINE / WIDTH          |
|          |          | BW/4" BROKEN WHITE LINE / WIDTH         |
|          |          | DY/4" DOUBLE YELLOW SOLID LINE / WIDTH  |
|          |          | BY/4" BROKEN YELLOW LINE / WIDTH        |
|          |          | PAVEMENT MARKING ARROW                  |
|          |          | WORK ZONE                               |
|          |          | CHANNELIZING DEVICE                     |
|          |          | LANE FLOW ARROW                         |

**SIGNALS**



NOTES:  
 EQUIP ALL VEHICULAR SIGNALS WITH BACKPLATES AND TUNNEL VISORS.  
 ALL BACKPLATES SHALL INCLUDE YELLOW RETROREFLECTIVE BORDERS.

TEMPORARY TRAFFIC SIGNAL PLAN  
 STAGE 3



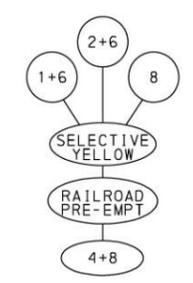
|   |
|---|
| COUNTY: LANCASTER   |
| MUNICIPALITY: EAST HEMPFIELD TOWNSHIP                             |
| INTERSECTION: OLD TREE DRIVE (T-420) AND CENTERVILLE ROAD (T-408) |
| SCALE: 0 25' 50' FEET   |

| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 0030  | 145     | 70 OF 102 |
|                         |           | 4057  | 002     |           |
|                         |           | 0023  | 002     |           |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

MOVEMENT, SEQUENCE AND TIMING

| SIGNALS         | PHASE 1+6   |     |     | PHASE 2+6  |     |     | PHASE 8     |   |     | RAILROAD PRE-EMPTION |    |   |   | FLASHING |
|-----------------|-------------|-----|-----|------------|-----|-----|-------------|---|-----|----------------------|----|---|---|----------|
|                 | 1           | 2   | 3   | 1          | 2   | 3   | 1           | 2 | 3   | 1                    | 2  | 3 | 4 |          |
| 1,2             | R           | R   | R   |            |     |     |             |   |     |                      |    |   |   |          |
| 3               | G           | Y   | R   | G          | Y   | R   | R           | R | R   | SELECTIVE YELLOW     | G  | Y | R | Y        |
| 4               | G           | Y   | R   | G          | Y   | R   | R           | R | R   | SELECTIVE YELLOW     | G  | Y | R | Y        |
| 5,6             | R           | R   | R   | R          | R   | R   | G           | Y | R   |                      | R  | R | R | R        |
| 7,8*            | R           | R   | R   | G          | Y   | R   | R           | R | R   |                      | R  | R | R | Y        |
| FIXED           |             | 3.6 | 2.5 |            | 3.6 | 2.5 |             | 3 | 2.4 | ①                    | 33 | ① | ① |          |
| MINIMUM PASSAGE | 3           |     |     | 10         |     |     | 3           |   |     |                      |    |   |   |          |
| MAX I (FREE)    | 20          |     |     | 40         |     |     | 20          |   |     |                      |    |   |   |          |
| MEMORY          | NON-LOCKING |     |     | MIN-RECALL |     |     | NON-LOCKING |   |     |                      |    |   |   |          |

RAILROAD PRE-EMPTION SEQUENCE



RAILROAD PRE-EMPTION NOTES

THE VEHICULAR TRAFFIC SIGNAL CONTROLLER IS INTERCONNECTED WITH THE EXISTING RAILROAD CROSSING PROTECTION. WHEN THE RAILROAD CROSSING PROTECTION IS ACTIVATED, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER WILL PROVIDE THE RAILROAD PRE-EMPTION PHASE. RAILROAD PRE-EMPTION MAY OCCUR DURING ANY INTERVAL OF THE NORMAL OPERATION.  
NOTE: MINIMUM GREEN FOR ANY PHASE MUST BE SERVED.  
THEREFORE, IF RAILROAD PRE-EMPTION OCCURS:

- UTILIZE THE APPROPRIATE CLEARANCE INTERVAL PRIOR TO GOING TO INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE.
- ANY GREEN INDICATION UNDER NORMAL OPERATION OR DURING EMERGENCY PRE-EMPTION, EXCEPT THE GREEN INDICATIONS FOR SIGNALS 3 AND 4, SHALL BE FOLLOWED IMMEDIATELY BY INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE AFTER THE MINIMUM GREEN TIME HAS BEEN SERVED.
- ANY YELLOW INDICATION SHALL TIME OUT AND BE FOLLOWED BY THE NORMAL ALL-RED INTERVAL AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.
- ANY ALL-RED INTERVAL SHALL TIME OUT AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.

IF RAILROAD PRE-EMPTION OCCURS DURING EMERGENCY FLASHING, SIGNALS SHALL REMAIN IN EMERGENCY FLASHING.  
UPON TERMINATION OF INTERVAL 4 OF THE RAILROAD PRE-EMPTION PHASE, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER SHALL PROCEED TO INTERVAL 1 OF PHASE 8.

**D**  
**Centerville Rd**

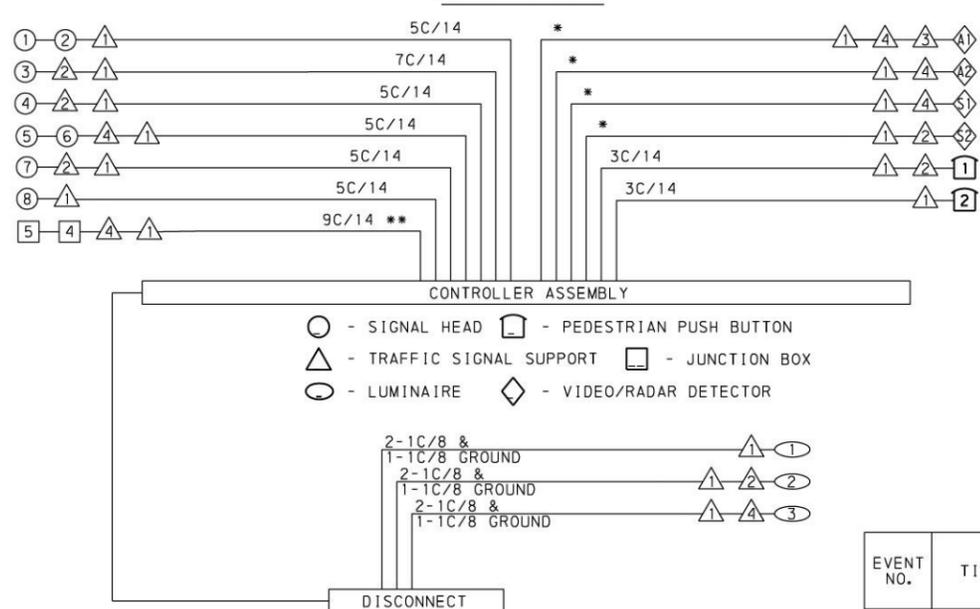
|             |          |              |
|-------------|----------|--------------|
| 10.6"UC LET | 8"LC LET | CLEARVIEW 2W |
| 05.1 -      | 08.4 - C |              |
| 06.6 - e    | 10.2 - O |              |
| 06.0 - n    | 03.4 - I |              |
| 04.4 - t    | 05.6 - d |              |
| 06.6 - e    | 08.0 -   |              |
| 03.8 - r    | 07.7 - T |              |
| 06.1 - v    | 04.2 - r |              |
| 03.6 - I    | 06.4 - e |              |
| 03.7 - I    | 08.0 -   |              |
| 03.4 - I    | 09.0 - D |              |
| 05.5 - e    | 03.4 - r |              |
| 08.0 -      | 03.3 -   |              |
| 08.2 - R    |          |              |
| 05.6 - d    |          |              |
| 05.0 -      |          |              |
| 90.0        |          |              |

**E**  
**Old Tree Dr**

|             |          |              |
|-------------|----------|--------------|
| 10.6"UC LET | 8"LC LET | CLEARVIEW 2W |
| 03.3 -      | 10.2 - O |              |
| 03.4 - I    | 05.6 - d |              |
| 08.0 -      | 08.0 -   |              |
| 09.0 - D    | 03.4 - r |              |
| 03.3 -      |          |              |
| 78.0        |          |              |

- NOTES:
- G<sub>4</sub> IF FOLLOWED BY PHASE 2+6
  - G IF FOLLOWED BY PHASE 2+6
  - SELECTIVE YELLOW INCLUDES THE NORMAL ALL-RED PHASE INTERVAL
  - NORMAL YELLOW AND ALL-RED PHASE TIMINGS SHALL BE UTILIZED
- \* UPON PED ACTIVATION ONLY

WIRING DIAGRAM



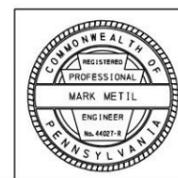
- - SIGNAL HEAD
- - PEDESTRIAN PUSH BUTTON
- △ - TRAFFIC SIGNAL SUPPORT
- - JUNCTION BOX
- - LUMINAIRE
- ◇ - VIDEO/RADAR DETECTOR

COORDINATION CHART

| EVENT NO. | TIME  | PLAN | DAY OF WEEK |   |   |   |   |   |   | CYCLE | OFFSET | SPLIT |    |    |    |    |     |    |      | REMARKS     |
|-----------|-------|------|-------------|---|---|---|---|---|---|-------|--------|-------|----|----|----|----|-----|----|------|-------------|
|           |       |      | M           | T | W | T | F | S | S |       |        | 01    | 02 | 03 | 04 | 05 | 06  | 07 | 08   |             |
| 1         | 00:00 | FREE | X           | X | X | X | X | X | X | -     | -      | -     | -  | -  | -  | -  | -   | -  | -    | MAX I       |
| 2         | 06:30 | 1    | X           | X | X | X | X | X | X | 130   | 119    | 34    | 76 | -  | -  | -  | 110 | -  | 20   | AM PEAK     |
| 3         | 08:00 | 2    | X           | X | X | X | X | X | X | 130   | 118    | 29    | 76 | -  | -  | -  | 105 | -  | 25   | MIDDAY PEAK |
| 4         | 15:00 | 3    | X           | X | X | X | X | X | X | 130   | 113    | 21    | 80 | -  | -  | -  | 101 | -  | 29   | PM PEAK     |
| 5         | 18:00 | FREE | X           | X | X | X | X | X | X | -     | -      | -     | -  | -  | -  | -  | -   | -  | FREE |             |
| 6         | 11:00 | 4    |             |   |   |   |   |   |   | 130   | 118    | 29    | 76 | -  | -  | -  | 105 | -  | 25   | WEEKEND     |
| 7         | 14:00 | FREE |             |   |   |   |   |   |   | -     | -      | -     | -  | -  | -  | -  | -   | -  | FREE |             |

5C/14 - CABLE (NO. OF CONDUCTORS/SIZE AWG)  
\* WIRE PER MANUFACTURERS SPECIFICATIONS  
\*\* INSTALL JUNCTION BOXES 4 AND 5 AS SHOWN ON THE PERMANENT TRAFFIC SIGNAL PLANS. OWNER OF RR CROSSING SHALL BE RESPONSIBLE FOR FINAL CONNECTION BETWEEN RR CROSSING SIGNAL CONTROLLER AND JUNCTION BOX.  
NOTE: CABLES WITHIN CONDUITS SHALL NOT BE BOUND TOGETHER

TEMPORARY TRAFFIC SIGNAL PLAN STAGE 3



COUNTY: LANCASTER  
MUNICIPALITY: EAST HEMPFIELD TOWNSHIP  
INTERSECTION: OLD TREE DRIVE (T-420) AND CENTERVILLE ROAD (T-408)

SCALE: 0 25' 50' FEET

TEMPORARY TRAFFIC SIGNALS

GENERAL NOTES

| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 0030  | 145     | 71 OF 102 |
|                         |           | 4057  | 002     |           |
|                         |           | 0023  | 002     |           |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

| ITEM NO.  | QUAN. | UNIT | DESCRIPTION  | LOCATION   |
|-----------|-------|------|--|--|
| 9000-0729 | 1     | EACH | TEMPORARY TRAFFIC SIGNALS (STAGES 1B, 2A, 2B, & 3) | HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408) |

\* TEMPORARY SIGNAL PLANS NOT PROVIDED SINCE EXISTING TRAFFIC SIGNAL EQUIPMENT IS TO REMAIN (EXCEPT FOR CONTROLLER). INSTALL EQUIPMENT IN CONTROLLER CABINET TO MAINTAIN COORDINATION AS INDICATED IN THE TABULATION OF QUANTITIES.

INSTALL, OPERATE AND MAINTAIN THIS TRAFFIC SIGNAL IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION. REGULATION ON OFFICIAL TRAFFIC CONTROL DEVICES, AND PUBLICATION 408M, LATEST REVISIONS.

NO MODIFICATION OF THIS INSTALLATION IS PERMITTED UNLESS PRIOR APPROVAL IS GRANTED, IN WRITING, BY THE DEPARTMENT.

ALL MAINTENANCE NECESSARY FOR PROPER VISIBILITY OF SIGNALS, INCLUDING TRIMMING TREES, IS THE RESPONSIBILITY OF THE PERMITTEE.

THE PERMITTEE INSTALLS AND MAINTAINS ALL SIGNS AND PAVEMENT MARKINGS INDICATED ON THIS DRAWING WHICH ARE CONSIDERED PART OF THE PERMIT, UNLESS OTHERWISE INDICATED. THE DEPARTMENT MAINTAINS THE LONGITUDINAL PAVEMENT MARKINGS ON STATE HIGHWAYS.

POST MOUNTED SIGNALS SHALL BE INSTALLED WITH THE SIGNAL HEAD A MINIMUM OF 2 FEET BEHIND THE FACE OF THE CURB OR EDGE OF THE SHOULDER. SUPPORT POLES FOR OVERHEAD SIGNALS SHALL ALSO HAVE A MINIMUM HORIZONTAL CLEARANCE OF 2 FEET.

THE BOTTOM OF SIGNAL HEADS AND SIGNS ERECTED OVER THE ROADWAY SHALL NOT BE LESS THAN 17 FEET OR MORE THAN 19 FEET ABOVE THE ROADWAY. THE BOTTOM OF POST MOUNTED SIGNAL HEADS SHALL NOT BE LESS THAN 10 FEET NOR MORE THAN 15 FEET ABOVE THE SIDEWALK OR PAVEMENT GRADE.

THE MINIMUM HORIZONTAL DISTANCE BETWEEN SIGNAL HEADS, MEASURED AT RIGHT ANGLES TO THE APPROACH, SHALL BE 8 FEET.

IN ADDITION TO THIS SIGNAL PERMIT, THE PERMITTEE MUST OBTAIN A HIGHWAY OCCUPANCY PERMIT PRIOR TO ANY OPENINGS BEING MADE IN OR UNDER ANY PORTION OF A STATE HIGHWAY.

THIS DRAWING CANNOT BE USED AS A CONSTRUCTION DRAWING UNLESS THE PERMITTEE COMPLIES WITH THE PROVISIONS OF ACT 287-1974, AS AMENDED BY ACT 38-1991 AND ACT 187-1996, PREVENTION OF DAMAGE TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, CONSULT WITH UTILITY COMPANIES TO RESOLVE ANY PROBLEMS WHICH MAY BE CREATED DUE TO THE LOCATION OF UTILITIES.

PERMITTEE IS RESPONSIBLE FOR OBTAINING APPROVAL FOR INSTALLATION OF TRAFFIC SIGNAL DEVICES LOCATED OUTSIDE HIGHWAY RIGHT-OF-WAY.

COORDINATE WITH DISTRICT TRAFFIC SIGNAL UNIT PRIOR TO ANY CONSTRUCTION STAGE CHANGE TO COORDINATE CHANGES TO SIGNALS.

NO PERMANENT SIGNAL EQUIPMENT SHALL BE USED FOR TEMPORARY SIGNALS, EXCEPT FOR EQUIPMENT SHOWN WITHIN THIS PLAN.

CONSTRUCTION NOTES

1. A MINIMUM DISTANCE OF 8' AND A PREFERRED DISTANCE OF 12' SHALL BE MAINTAINED BETWEEN SIGNAL FACES ALONG A LINE PERPENDICULAR TO THE CENTER LINE OF THE APPROACH.
2. NON-APPLICABLE AND CONFLICTING PAVEMENT MARKINGS SHALL BE ERADICATED.
3. ALL STOP BARS SHALL BE LOCATED A MINIMUM OF 40' FROM THE NEAREST SIGNAL INDICATION.
4. ADJUSTMENT OF THE VIDEO DETECTORS, TO THE SATISFACTION OF THE DEPARTMENT, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL PERMANENT CONFLICTING SIGNS SHALL BE COVERED PER THIS PERMIT. THEY WILL BE UNCOVERED UPON REMOVAL OF THIS SIGNAL.
6. INSTALL SIGNALS WITH ENOUGH CABLE TO ALLOW FOR RELOCATION OF SIGNALS DURING FUTURE PHASES OF CONSTRUCTION.
7. PLACE PAVEMENT MARKINGS IN ACCORDANCE WITH PUBLICATION 111M.
8. AT NO TIME DURING CONSTRUCTION WILL VISIBILITY TO THE TEMPORARY SIGNAL HEADS BE BLOCKED OR OBSTRUCTED BY THE NEW TRAFFIC SIGNAL POLE INSTALLATION.
9. IF PROPOSED SIGNS MATCH EXISTING SIGNS, AND ARE IN ACCEPTABLE LOCATIONS AND CONDITION, THEY MAY BE USED IN LIEU OF PROPOSED SIGNS SHOWN ON THIS PERMIT.
10. ENSURE TEMPORARY POLES ARE OF ADEQUATE STRENGTH AND SUPPORTED PROPERLY FOR REQUIRED LOADING. USE STEEL POLES IF NECESSARY AT NO ADDITIONAL COST. ENSURE EXISTING MAST ARMS AND SIGNAL SUPPORTS CAN SUPPORT ANY REQUIRED ADDITIONAL LOADING.
11. ENSURE THAT WIRES SPANNING TRAFFIC LANES DO NOT BLOCK SIGNAL HEADS, AND HAVE SUFFICIENT VERTICAL CLEARANCE.
12. ENSURE THAT EXISTING EQUIPMENT TO REMAIN IN USE IS OPERATING ACCEPTABLY. REPAIR OR REPLACE AT NO ADDITIONAL COST IF NEEDED.
13. EQUIP CONTROLLER WITH GPS PULSE SYNCHRONIZATION DEVICE FOR TIME-BASED COORDINATION.
14. COORDINATE WITH LOCAL MUNICIPALITIES TO ENSURE PREEMPTION SYSTEM IS COMPATIBLE WITH EMITTERS.
15. CONTRACTOR TO INSTALL PREEMPTION EQUIPMENT IN OPTIMAL LOCATIONS FOR PROPER FUNCTIONALITY.

| TABULATION OF QUANTITIES<br>HEMPLAND ROAD (T-413) AND<br>CENTERVILLE ROAD (T-408)<br>STAGES 1B, 2A & 2B<br>(FOR INFORMATION ONLY) |      |  |               |
|---|------|--|---------------|
| QUAN.   | UNIT | DESCRIPTION  | REMARKS       |
| 4   | EACH | TRAFFIC SIGNAL SUPPORT, WOOD STRAIN POLE WITH LUMINAIRE ARM (30' MOUNTING HEIGHT)                  | ① ② ③ ④       |
| 1   | EACH | NEMA TS-2; TYPE 2 CONTROLLER ASSEMBLY, TYPE 1 MOUNTING WITH GPS TIME CLOCK AND RAILROAD PREEMPTION | CC4           |
| 1   | EACH | TRAFFIC SIGNAL TIMING ADJUSTMENTS  | AS DIRECTED   |
| 7   | EACH | VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS  | ② ④ ⑤ ⑥ ⑦ ⑧ ⑨ |
| 2   | EACH | VEHICULAR SIGNAL HEAD, FIVE 12" SECTIONS   | ① ③           |
| 1   | EACH | ELECTRICAL SERVICE, TYPE A   | CC4           |
| 2   | EACH | RADAR DETECTOR, ADVANCE/DILEMMA  | ① ②           |
| 4   | EACH | RADAR DETECTOR, PRESENCE   | ① ② ③ ④       |
| 4   | EACH | LED LUMINAIRE, ARM MOUNT   | ① ② ③ ④       |
| *   | LS   | MISCELLANEOUS HARDWARE   |               |
| 71.75   | SF   | POST MOUNTED SIGNS, TYPE B   |               |
| 6.75  | SF   | POST MOUNTED SIGNS, TYPE F   |               |
| 92.5  | SF   | STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGNS  |               |
| 3525  | LF   | AWG 8 ABOVE GROUND CABLE, COPPER, 1 CONDUCTOR  |               |
| 1475  | LF   | SIGNAL CABLE, 14 AWG, 5 CONDUCTOR  |               |
| 400   | LF   | SIGNAL CABLE, 14 AWG, 7 CONDUCTOR  |               |

\* AS NEEDED

| TABULATION OF QUANTITIES<br>HEMPLAND ROAD (T-413) AND<br>CENTERVILLE ROAD (T-408)<br>STAGE 3<br>(FOR INFORMATION ONLY) |      |   |         |
|--|------|---|---------|
| QUAN.  | UNIT | DESCRIPTION                               | REMARKS |
| 2  | EACH | VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS | ⑩ ⑪     |
| 18.75  | SF   | POST MOUNTED SIGNS, TYPE B                |         |
| 475  | LF   | SIGNAL CABLE, 14 AWG, 5 CONDUCTOR         |         |

COUNTY: LANCASTER

MUNICIPALITY: EAST HEMPFIELD TOWNSHIP

INTERSECTION: HEMPLAND ROAD (T-413)  
AND CENTERVILLE ROAD (T-408)

SCALE: 0 25 50 75



**TEMPORARY TRAFFIC SIGNAL PERMIT**

IN ACCORDANCE WITH THE VEHICLE CODE, THE SECRETARY OF TRANSPORTATION HEREBY APPROVES THE INSTALLATION AND OPERATION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF:  
HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408)

IN THE EAST HEMPFIELD TOWNSHIP, COUNTY OF LANCASTER

THIS PERMIT IS ISSUED TO, AND ACCEPTED BY \_\_\_\_\_ THE CONTRACTOR

THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE VEHICLE CODE AND THE REGULATIONS FOR TRAFFIC SIGNS, SIGNALS AND MARKINGS OF THE DEPARTMENT OF TRANSPORTATION, AND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS AND THOSE CONTAINED ON THE ATTACHED SHEETS.

TYPE OF CONTROLLER ACTUATED

TYPE OF SIGNAL MOUNTING TEMPORARY SIGNAL

HOURS OF OPERATION AS "STOP" AND GO" CONTINUOUSLY

HOURS OF OPERATION AS "FLASHING" EQUIPPED FOR EMERGENCY FLASHING

CONTROLLER OPERATION CONTROLLER TO PROVIDE THE PHASING, TIMING, AND SIGNAL DISPLAY AS INDICATED ON THE DIAGRAM.

ALL WORK PERFORMED BY THE PERMITTEE IN THE ERECTION OF THE TRAFFIC SIGNAL SHALL BE UNDER AND SUBJECT TO THE DIRECTION OF THE SECRETARY OF TRANSPORTATION OR HIS AUTHORIZED REPRESENTATIVES. THE SAID PERMITTEE SHALL USE DUE DILIGENCE IN THE EXECUTION OF THE WORK AUTHORIZED UNDER THIS PERMIT AND SHALL NOT OBSTRUCT OR ENDANGER TRAVEL ALONG THE SAID ROAD. ALL OPERATIONS MUST BE CONDUCTED SO AS TO PERMIT SAFE AND REASONABLE FREE TRAVEL AT ALL TIMES OVER THE ROAD WITHIN THE LIMITS OF THE WORK HEREIN PERMITTED.

THE PERMITTEE COVENANTS AND AGREES TO FULLY INDEMNIFY AND SAVE HARMLESS THE DEPARTMENT OF TRANSPORTATION AND ASSUME ALL LIABILITY FOR DAMAGES OR INJURY, OCCURRING TO ANY PERSON, PERSONS AS PROPERTY THROUGH OR IN CONSEQUENCE OF ANY ACT OR OMISSION OF ANYONE WORKING ON THE CONSTRUCTION, OR FROM FAULTY MAINTENANCE OR OPERATION OF SUCH TRAFFIC SIGNAL.

THE SECRETARY OF TRANSPORTATION, BY LAW, RESERVES THE RIGHT TO REVOKE AND ANNUL THIS PERMIT IF THE PERMITTEE SHALL AT ANYTIME WILLFULLY OR NEGLIGENTLY FAILS TO COMPLY WITH THE CONDITIONS CONTAINED IN THIS PERMIT, OR, UPON CHANGES IN THE TRAFFIC CONDITIONS, FAIL TO MAKE ANY CHANGES IN THE CONSTRUCTION OR OPERATION OF THIS SIGNAL, OR TO REMOVE IT, WHEN SO ORDERED BY THE SECRETARY OF TRANSPORTATION. THE PERMITTEE SHALL MAINTAIN THE SIGNAL IN A SAFE CONDITION AT ALL TIMES. THE PERMITTEE SHALL NOT MAKE ANY CHANGE IN THE CONSTRUCTION OR OPERATION OF THIS TRAFFIC SIGNAL WITHOUT PRIOR WRITTEN APPROVAL OF THE SECRETARY OF TRANSPORTATION.

INITIAL DATE: \_\_\_\_\_ APPROVED: YASSMIN GRAMIAN, P.E.

REVISION DATE: \_\_\_\_\_ BY: \_\_\_\_\_

DISTRICT EXECUTIVE

**SIGNS**

| PLAN SYMBOL | SERIES DESIGNATION | DESCRIPTION                | SIZE WxH | QTY. |
|-------------|--------------------|----------------------------|----------|------|
| A           | R3-8B              | LANE USE CONTROL (L-S-R)   | 48"x30"  | 2    |
| B           | R3-8A              | LANE USE CONTROL (L-SR)    | 30"x30"  | 3, 2 |
| C           | R3-5L              | LEFT TURN                  | 30"x36"  | 1    |
| D           | R3-6SR             | OPTIONAL RIGHT TURN        | 30"x36"  | 1    |
| E           | R10-12             | LEFT TURN YIELD ON GREEN ● | 30"x36"  | 2    |
| F           | R10-11             | NO TURN ON RED ●           | 24"x30"  | 2    |
| G           | D3-4               | Centerville Rd             | 90"x16"  | 2    |
| H           | D3-4               | Hempland Rd                | 84"x16"  | 2    |
| I           | R1-2               | YIELD                      | 36"x36"  | 1, 1 |
| J           | R4-106             | ENTER HERE SIGN            | 24"x30"  | 1    |
| K           | R9-3               | NO PEDESTRIAN CROSSING     | 18"x18"  | 11   |
| L           | R10-6AL            | STOP HERE ON RED           | 24"x30"  | 3    |

**ADVANCE DILEMMA ZONE NOTES (ZONES 1 & 4)**

ESTIMATED TIME OF ARRIVAL: MIN 2.5 - MAX 5.5 SEC.  
 RANGE OF DETECTION: MIN 100 - MAX 350 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 25 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

**DENSITY ZONE NOTES (ZONES 2 & 3)**

RANGE OF DETECTION: MIN 0 - MAX 100 FT.  
 FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 1 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

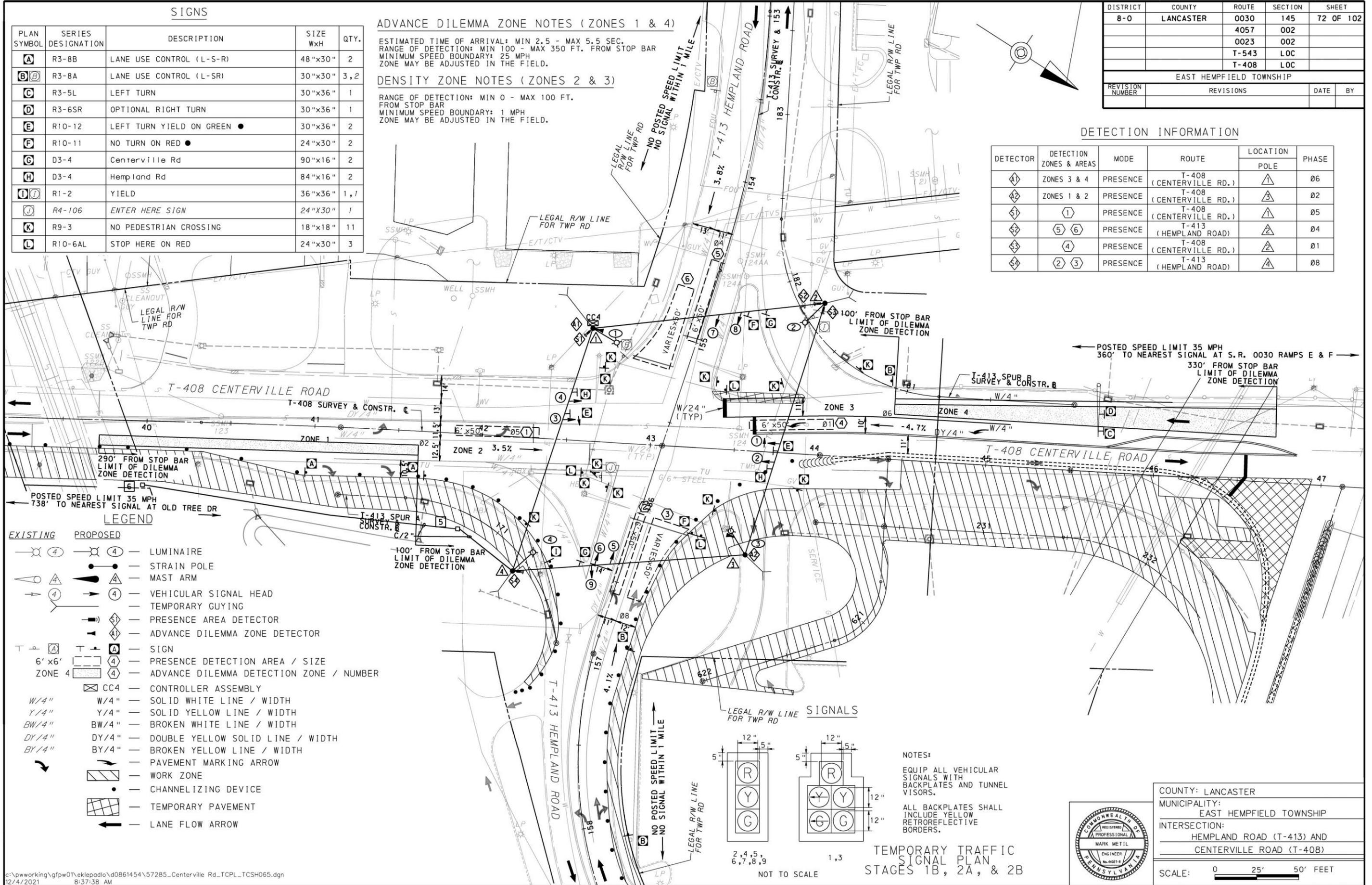
| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET     |
|----------|-----------|-------|---------|-----------|
| 8-0      | LANCASTER | 0030  | 145     | 72 OF 102 |
|          |           | 4057  | 002     |           |
|          |           | 0023  | 002     |           |
|          |           | T-543 | LOC     |           |
|          |           | T-408 | LOC     |           |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

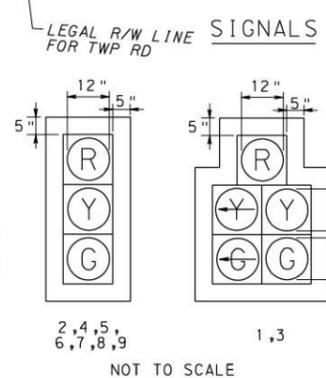
**DETECTION INFORMATION**

| DETECTOR | DETECTION ZONES & AREAS | MODE     | ROUTE                   | LOCATION | PHASE |
|----------|-------------------------|----------|-------------------------|----------|-------|
|          |                         |          |                         | POLE     |       |
| 41       | ZONES 3 & 4             | PRESENCE | T-408 (CENTERVILLE RD.) | ▲        | 06    |
| 42       | ZONES 1 & 2             | PRESENCE | T-408 (CENTERVILLE RD.) | ▲        | 02    |
| 51       | ①                       | PRESENCE | T-408 (CENTERVILLE RD.) | ▲        | 05    |
| 52       | ⑤ ⑥                     | PRESENCE | T-413 (HEMPLAND ROAD)   | ▲        | 04    |
| 53       | ④                       | PRESENCE | T-408 (CENTERVILLE RD.) | ▲        | 01    |
| 54       | ② ③                     | PRESENCE | T-413 (HEMPLAND ROAD)   | ▲        | 08    |



**LEGEND**

|  |  |   |
|--|--|---|
|  |  | LUMINAIRE                               |
|  |  | STRAIN POLE                             |
|  |  | MAST ARM                                |
|  |  | VEHICULAR SIGNAL HEAD                   |
|  |  | TEMPORARY GUYING                        |
|  |  | PRESENCE AREA DETECTOR                  |
|  |  | ADVANCE DILEMMA ZONE DETECTOR           |
|  |  | SIGN                                    |
|  |  | PRESENCE DETECTION AREA / SIZE          |
|  |  | ADVANCE DILEMMA DETECTION ZONE / NUMBER |
|  |  | CONTROLLER ASSEMBLY                     |
|  |  | SOLID WHITE LINE / WIDTH                |
|  |  | SOLID YELLOW LINE / WIDTH               |
|  |  | BROKEN WHITE LINE / WIDTH               |
|  |  | DOUBLE YELLOW SOLID LINE / WIDTH        |
|  |  | BROKEN YELLOW LINE / WIDTH              |
|  |  | PAVEMENT MARKING ARROW                  |
|  |  | WORK ZONE                               |
|  |  | CHANNELIZING DEVICE                     |
|  |  | TEMPORARY PAVEMENT                      |
|  |  | LANE FLOW ARROW                         |



**NOTES:**

EQUIP ALL VEHICULAR SIGNALS WITH BACKPLATES AND TUNNEL VISORS.

ALL BACKPLATES SHALL INCLUDE YELLOW RETROREFLECTIVE BORDERS.



|  |
|--|
| COUNTY: LANCASTER  |
| MUNICIPALITY: EAST HEMPFIELD TOWNSHIP                            |
| INTERSECTION: HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408) |
| SCALE: 0 25' 50' FEET  |

| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 0030  | 145     | 73 OF 102 |
|                         |           | 4057  | 002     |           |
|                         |           | 0023  | 002     |           |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

MOVEMENT, SEQUENCE AND TIMING

| SIGNALS      | PHASE 1+5   |       |     | PHASE 1+6   |       |     | PHASE 2+5   |       |     | PHASE 2+6  |     |     | PHASE 4+8   |     |     | RAILROAD PRE-EMPTION |    |   |   |
|--------------|-------------|-------|-----|-------------|-------|-----|-------------|-------|-----|------------|-----|-----|-------------|-----|-----|----------------------|----|---|---|
|              | 1           | 2     | 3   | 1           | 2     | 3   | 1           | 2     | 3   | 1          | 2   | 3   | 1           | 2   | 3   | 1                    | 2  | 3 | 4 |
| 1            | R/6         | 1/2 R | R   | R           | R     | R   | G/6         | 1/2 R | R   | G          | Y   | R   | R           | R   | R   | R                    | R  | R | Y |
| 2            | R           | R     | R   | R           | R     | R   | G           | Y     | R   | G          | Y   | R   | R           | R   | R   | R                    | R  | R | Y |
| 3            | R/6         | 1/2 R | R   | G/6         | 1/2 R | R   | R           | R     | R   | G          | Y   | R   | R           | R   | R   | R                    | R  | R | Y |
| 4            | R           | R     | R   | G           | Y     | R   | R           | R     | R   | R          | R   | R   | R           | R   | R   | R                    | R  | R | Y |
| 5,6          | R           | R     | R   | R           | R     | R   | R           | R     | R   | R          | R   | R   | G           | Y   | R   | R                    | R  | R | R |
| 7,8,9        | R           | R     | R   | R           | R     | R   | R           | R     | R   | R          | R   | R   | G           | Y   | R   | R                    | R  | R | R |
| FIXED        |             | 3     | 3.5 |             | 4.1   | 3.5 |             | 4.1   | 3.5 |            | 4.1 | 3.5 |             | 3.3 | 3.5 | 1                    | 31 | 1 | 1 |
| MINIMUM      | 3           |       |     | 3           |       |     | 3           |       |     | 10         |     |     | 3           |     |     |                      |    |   |   |
| PASSAGE      | 3           |       |     | 3           |       |     | 3           |       |     | 1          |     |     | 3           |     |     |                      |    |   |   |
| MAX I (FREE) | 10          |       |     | 10          |       |     | 10          |       |     | 35         |     |     | 28          |     |     |                      |    |   |   |
| MEMORY       | NON-LOCKING |       |     | NON-LOCKING |       |     | NON-LOCKING |       |     | MIN-RECALL |     |     | NON-LOCKING |     |     |                      |    |   |   |

**G**  
**Centerville Rd**

10.6"UC LET  
8"LC LET  
CLEARVIEW 2W

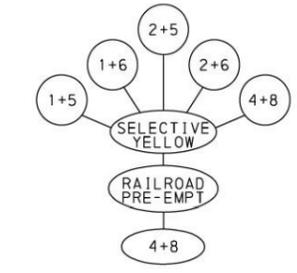
05.1 -  
08.4 - C  
06.6 - e  
06.0 - n  
04.4 - t  
06.6 - e  
03.8 - r  
06.1 - v  
03.6 - i  
03.7 - l  
03.4 - l  
05.5 - e  
08.0 -  
08.2 - R  
05.6 - d  
05.0 -  
90.0

**H**  
**Hempland Rd**

10.6"UC LET  
8"LC LET  
CLEARVIEW 2W

04.4 -  
08.8 - H  
06.6 - e  
09.5 - m  
06.5 - p  
03.4 - l  
06.6 - a  
06.3 - n  
05.6 - d  
08.3 - R  
05.6 - d  
04.4 -  
84.0

RAILROAD PRE-EMPTION SEQUENCE



RAILROAD PRE-EMPTION NOTES

THE VEHICULAR TRAFFIC SIGNAL CONTROLLER IS INTERCONNECTED WITH THE EXISTING RAILROAD CROSSING PROTECTION. WHEN THE RAILROAD CROSSING PROTECTION IS ACTIVATED, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER WILL PROVIDE THE RAILROAD PRE-EMPTION PHASE. RAILROAD PRE-EMPTION MAY OCCUR DURING ANY INTERVAL OF THE NORMAL OPERATION.  
NOTE: MINIMUM GREEN FOR ANY PHASE MUST BE SERVED.

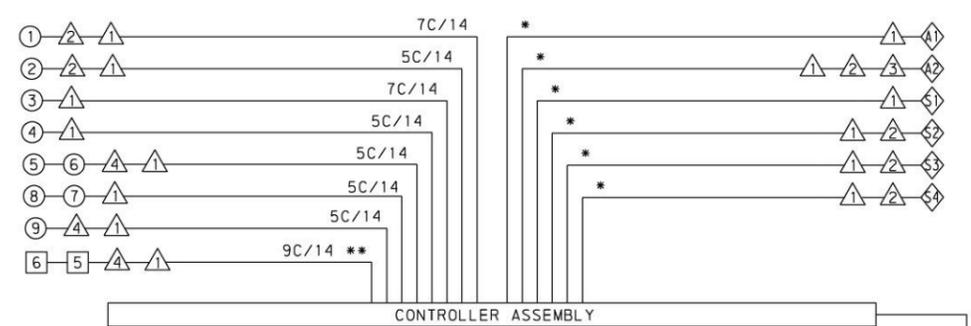
- THEREFORE, IF RAILROAD PRE-EMPTION OCCURS:
- UTILIZE THE APPROPRIATE CLEARANCE INTERVAL PRIOR TO GOING TO INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE.
  - ANY GREEN INDICATION UNDER NORMAL OPERATION OR DURING EMERGENCY PRE-EMPTION, EXCEPT THE GREEN INDICATIONS FOR SIGNALS 1, AND 2, SHALL BE FOLLOWED IMMEDIATELY BY INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE AFTER THE MINIMUM GREEN TIME HAS BEEN SERVED.
  - ANY YELLOW INDICATION SHALL TIME OUT AND BE FOLLOWED BY THE NORMAL ALL-RED INTERVAL AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.
  - ANY ALL-RED INTERVAL SHALL TIME OUT AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.

IF RAILROAD PRE-EMPTION OCCURS DURING EMERGENCY FLASHING, SIGNALS SHALL REMAIN IN EMERGENCY FLASHING.

UPON TERMINATION OF INTERVAL 4 OF THE RAILROAD PRE-EMPTION PHASE, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER SHALL PROCEED TO INTERVAL 1 OF PHASE 4+8.

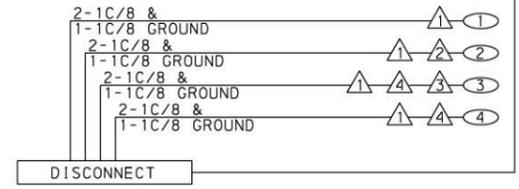
- NOTES:
- R/6 IF FOLLOWED BY PHASE 2+5
  - R/6 IF FOLLOWED BY PHASE 1+6
  - G/6 IF FOLLOWED BY PHASE 2+6
  - G IF FOLLOWED BY PHASE 2+6
  - G IF FOLLOWED BY PHASE 2+5
  - G IF FOLLOWED BY PHASE 1+6
  - SELECTIVE YELLOW INCLUDES THE NORMAL ALL-RED PHASE INTERVAL
  - NORMAL YELLOW AND ALL-RED PHASE TIMINGS SHALL BE UTILIZED

WIRING DIAGRAM



- - SIGNAL HEAD
- △ - TRAFFIC SIGNAL SUPPORT
- - LUMINAIRE
- ◇ - VIDEO/RADAR DETECTOR

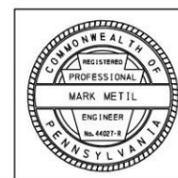
5C/14 - CABLE (NO. OF CONDUCTORS/SIZE AWG)  
\* WIRE PER MANUFACTURERS SPECIFICATIONS  
\*\* INSTALL JUNCTION BOXES 5 AND 6 AS SHOWN ON THE PERMANENT TRAFFIC SIGNAL PLANS. OWNER OF RR CROSSING SHALL BE RESPONSIBLE FOR FINAL CONNECTION BETWEEN RR CROSSING SIGNAL CONTROLLER AND JUNCTION BOX.  
NOTE: CABLES WITHIN CONDUITS SHALL NOT BE BOUND TOGETHER



COORDINATION CHART

| EVENT NO. | TIME  | PLAN | DAY OF WEEK |   |   |   |   |   |   | CYCLE | OFFSET (STAGE 1) | OFFSET (STAGE 2) | SPLIT |    |    |    |    |    |    |       | REMARKS     |
|-----------|-------|------|-------------|---|---|---|---|---|---|-------|------------------|------------------|-------|----|----|----|----|----|----|-------|-------------|
|           |       |      | M           | T | W | T | F | S | S |       |                  |                  | 01    | 02 | 03 | 04 | 05 | 06 | 07 | 08    |             |
| 1         | 00:00 | FREE |             |   |   |   |   |   |   | -     | -                | -                | -     | -  | -  | -  | -  | -  | -  | MAX I |             |
| 2         | 06:30 | 1    |             |   |   |   |   |   |   | 130   | 6                | 54               | 15    | 87 | -  | 28 | 15 | 87 | -  | 28    | AM PEAK     |
| 3         | 08:00 | 2    |             |   |   |   |   |   |   | 130   | 7                | 118              | 15    | 83 | -  | 32 | 15 | 83 | -  | 32    | MIDDAY PEAK |
| 4         | 15:00 | 3    |             |   |   |   |   |   |   | 130   | 129              | 75               | 15    | 83 | -  | 32 | 15 | 83 | -  | 32    | PM PEAK     |
| 5         | 18:00 | FREE |             |   |   |   |   |   |   | -     | -                | -                | -     | -  | -  | -  | -  | -  | -  | -     | FREE        |
| 6         | 11:00 | 4    |             |   |   |   |   |   |   | 130   | 7                | 118              | 15    | 83 | -  | 32 | 15 | 83 | -  | 32    | WEEKEND     |
| 7         | 14:00 | FREE |             |   |   |   |   |   |   | -     | -                | -                | -     | -  | -  | -  | -  | -  | -  | -     | FREE        |

COUNTY: LANCASTER  
MUNICIPALITY: EAST HEMPFIELD TOWNSHIP  
INTERSECTION: HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408)



TEMPORARY TRAFFIC SIGNAL PLAN STAGES 1B, 2A, & 2B

SCALE: 0 25' 50' FEET

**SIGNS**

| PLAN SYMBOL | SERIES DESIGNATION | DESCRIPTION                | SIZE WxH | QTY. |
|-------------|--------------------|----------------------------|----------|------|
| A           | R3-8B              | LANE USE CONTROL (L-S-R)   | 48"x30"  | 2    |
| B           | R3-8A              | LANE USE CONTROL (L-SR)    | 30"x30"  | 6    |
| C           | R10-12             | LEFT TURN YIELD ON GREEN ● | 30"x36"  | 2    |
| D           | R10-11             | NO TURN ON RED ●           | 24"x30"  | 1    |
| E           | D3-4               | Centerville Rd             | 90"x16"  | 2    |
| F           | D3-4               | Hempland Rd                | 84"x16"  | 2    |
| G           | R1-2               | YIELD                      | 36"x36"  | 1    |
| H           | R9-3               | NO PEDESTRIAN CROSSING     | 18"x18"  | 7    |
| I           | R10-6AL            | STOP HERE ON RED           | 24"x30"  | 3    |

**ADVANCE DILEMMA ZONE NOTES ( ZONES 1 & 4 )**

ESTIMATED TIME OF ARRIVAL: MIN 2.5 - MAX 5.5 SEC.  
 RANGE OF DETECTION: MIN 100 - MAX 350 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 25 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

**DENSITY ZONE NOTES ( ZONES 2 & 3 )**

RANGE OF DETECTION: MIN 0 - MAX 100 FT. FROM STOP BAR  
 MINIMUM SPEED BOUNDARY: 1 MPH  
 ZONE MAY BE ADJUSTED IN THE FIELD.

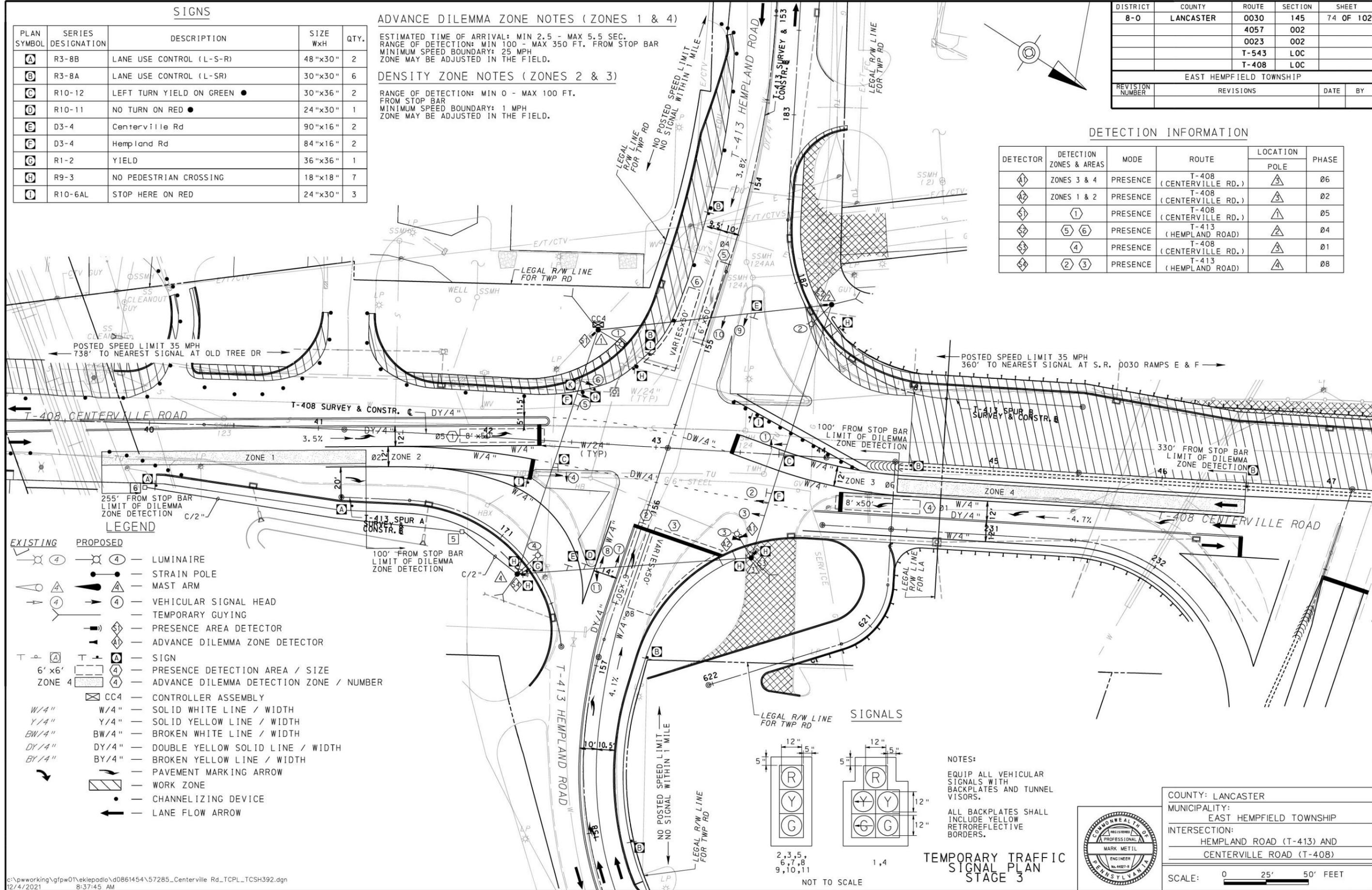
| DISTRICT | COUNTY    | ROUTE | SECTION | SHEET     |
|----------|-----------|-------|---------|-----------|
| 8-0      | LANCASTER | 0030  | 145     | 74 OF 102 |
|          |           | 4057  | 002     |           |
|          |           | 0023  | 002     |           |
|          |           | T-543 | LOC     |           |
|          |           | T-408 | LOC     |           |

| EAST HEMPFIELD TOWNSHIP |           |      |    |
|-------------------------|-----------|------|----|
| REVISION NUMBER         | REVISIONS | DATE | BY |
|                         |           |      |    |

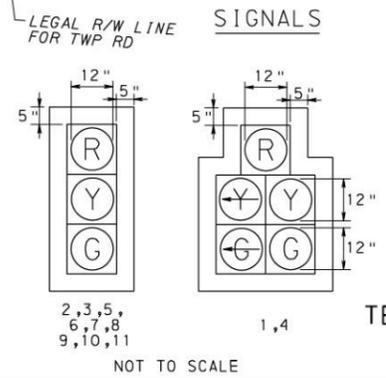
**DETECTION INFORMATION**

| DETECTOR | DETECTION ZONES & AREAS | MODE     | ROUTE                   | LOCATION | PHASE |
|----------|-------------------------|----------|-------------------------|----------|-------|
|          |                         |          |                         | POLE     |       |
| 41       | ZONES 3 & 4             | PRESENCE | T-408 (CENTERVILLE RD.) | △        | 06    |
| 42       | ZONES 1 & 2             | PRESENCE | T-408 (CENTERVILLE RD.) | △        | 02    |
| 51       | ①                       | PRESENCE | T-408 (CENTERVILLE RD.) | △        | 05    |
| 52       | ⑤ ⑥                     | PRESENCE | T-413 (HEMPLAND ROAD)   | △        | 04    |
| 53       | ④                       | PRESENCE | T-408 (CENTERVILLE RD.) | △        | 01    |
| 54       | ② ③                     | PRESENCE | T-413 (HEMPLAND ROAD)   | △        | 08    |



**LEGEND**

|  |  |  |
|--|--|--|
|  |  | LUMINAIRE                                |
|  |  | STRAIN POLE                              |
|  |  | MAST ARM                                 |
|  |  | VEHICULAR SIGNAL HEAD                    |
|  |  | TEMPORARY GUYING                         |
|  |  | PRESENCE AREA DETECTOR                   |
|  |  | ADVANCE DILEMMA ZONE DETECTOR            |
|  |  | SIGN                                     |
|  |  | PRESENCE DETECTION AREA / SIZE           |
|  |  | ADVANCE DILEMMA DETECTION ZONE / NUMBER  |
|  |  | CC4 - CONTROLLER ASSEMBLY                |
|  |  | W/4" - SOLID WHITE LINE / WIDTH          |
|  |  | Y/4" - SOLID YELLOW LINE / WIDTH         |
|  |  | BW/4" - BROKEN WHITE LINE / WIDTH        |
|  |  | DY/4" - DOUBLE YELLOW SOLID LINE / WIDTH |
|  |  | BY/4" - BROKEN YELLOW LINE / WIDTH       |
|  |  | PAVEMENT MARKING ARROW                   |
|  |  | WORK ZONE                                |
|  |  | CHANNELIZING DEVICE                      |
|  |  | LANE FLOW ARROW                          |



**NOTES:**

EQUIP ALL VEHICULAR SIGNALS WITH BACKPLATES AND TUNNEL VISORS.

ALL BACKPLATES SHALL INCLUDE YELLOW RETROREFLECTIVE BORDERS.

**TEMPORARY TRAFFIC SIGNAL PLAN STAGE 3**



|  |
|--|
| COUNTY: LANCASTER  |
| MUNICIPALITY: EAST HEMPFIELD TOWNSHIP                            |
| INTERSECTION: HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408) |
| SCALE: 0 25' 50' FEET  |

| DISTRICT                | COUNTY    | ROUTE | SECTION | SHEET     |
|-------------------------|-----------|-------|---------|-----------|
| 8-0                     | LANCASTER | 0030  | 145     | 75 OF 102 |
|                         |           | 4057  | 002     |           |
|                         |           | 0023  | 002     |           |
|                         |           | T-543 | LOC     |           |
|                         |           | T-408 | LOC     |           |
| EAST HEMPFIELD TOWNSHIP |           |       |         |           |
| REVISION NUMBER         | REVISIONS | DATE  | BY      |           |

MOVEMENT, SEQUENCE AND TIMING

| SIGNALS         | PHASE 1+5   |       |     | PHASE 1+6   |       |     | PHASE 2+5   |       |     | PHASE 2+6  |     |     | PHASE 4+8   |     |   | RAILROAD PRE-EMPTION |   |   |   | FLASHING         |
|-----------------|-------------|-------|-----|-------------|-------|-----|-------------|-------|-----|------------|-----|-----|-------------|-----|---|----------------------|---|---|---|------------------|
|                 | 1           | 2     | 3   | 1           | 2     | 3   | 1           | 2     | 3   | 1          | 2   | 3   | 1           | 2   | 3 | 1                    | 2 | 3 | 4 |                  |
| 1               | R/6         | 1/2 R | R   | R           | R     | R   | G/6         | 1/2 R | R   | G          | Y   | R   | R           | R   | R | R                    | R | R | Y | SELECTIVE YELLOW |
| 2,3             | R           | R     | R   | R           | R     | R   | G           | Y     | R   | G          | Y   | R   | R           | R   | R | R                    | R | R | Y |                  |
| 4               | R/6         | 1/2 R | R   | G/6         | 1/2 R | R   | R           | R     | R   | G          | Y   | R   | R           | R   | R | R                    | R | R | Y |                  |
| 5,6             | R           | R     | R   | G           | Y     | R   | R           | R     | R   | G          | Y   | R   | R           | R   | R | R                    | R | R | Y |                  |
| 7,8             | R           | R     | R   | R           | R     | R   | R           | R     | R   | R          | R   | R   | R           | R   | R | G                    | Y | R | R |                  |
| 9,10,11         | R           | R     | R   | R           | R     | R   | R           | R     | R   | R          | R   | R   | R           | R   | R | G                    | Y | R | R |                  |
| FIXED           |             | 3     | 4.3 |             | 4.1   | 4.3 |             | 4.1   | 4.3 |            | 4.1 | 4.3 |             | 3.3 | 3 |                      |   |   |   |                  |
| MINIMUM PASSAGE | 3           |       |     | 3           |       |     | 3           |       |     | 10         |     |     | 3           |     |   |                      |   |   |   |                  |
| MAX I (FREE)    | 10          |       |     | 10          |       |     | 10          |       |     | 35         |     |     | 28          |     |   |                      |   |   |   |                  |
| MEMORY          | NON-LOCKING |       |     | NON-LOCKING |       |     | NON-LOCKING |       |     | MIN-RECALL |     |     | NON-LOCKING |     |   |                      |   |   |   |                  |

**E**  
**Centerville Rd**

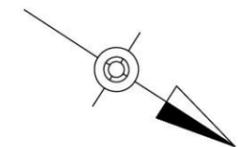
10.6"UC LET  
8"LC LET  
CLEARVIEW 2W

05.1 -  
08.4 - C  
06.6 - e  
06.0 - n  
04.4 - t  
06.6 - e  
03.8 - r  
06.1 - v  
03.6 - i  
03.7 - l  
03.4 - l  
05.5 - e  
08.0 -  
08.2 - R  
05.6 - d  
05.0 -  
90.0

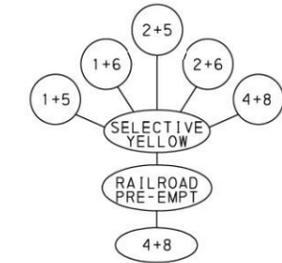
**F**  
**Hempland Rd**

10.6"UC LET  
8"LC LET  
CLEARVIEW 2W

04.4 -  
08.8 - H  
06.6 - e  
09.5 - m  
06.5 - t  
03.4 - p  
06.6 - a  
06.3 - n  
05.6 - d  
08.0 -  
08.3 - R  
05.6 - d  
04.4 -  
84.0



RAILROAD PRE-EMPTION SEQUENCE



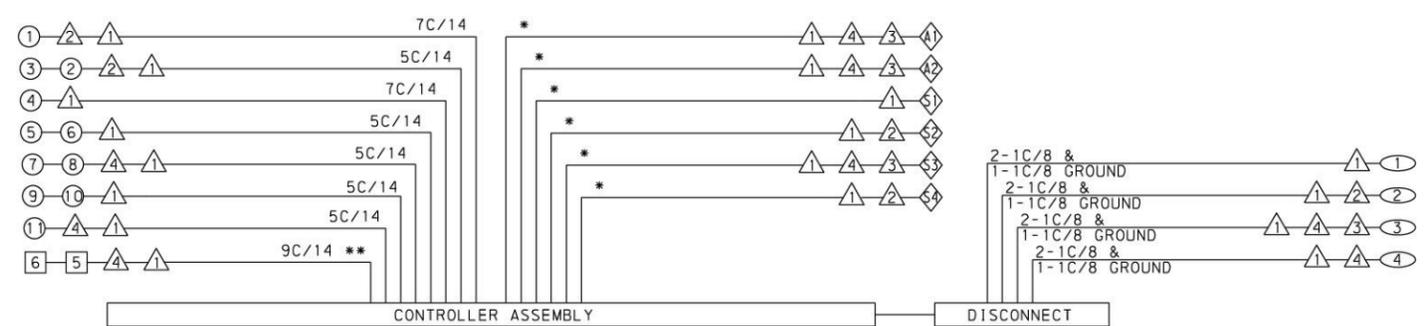
RAILROAD PRE-EMPTION NOTES

THE VEHICULAR TRAFFIC SIGNAL CONTROLLER IS INTERCONNECTED WITH THE EXISTING RAILROAD CROSSING PROTECTION. WHEN THE RAILROAD CROSSING PROTECTION IS ACTIVATED, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER WILL PROVIDE THE RAILROAD PRE-EMPTION PHASE. RAILROAD PRE-EMPTION MAY OCCUR DURING ANY INTERVAL OF THE NORMAL OPERATION.  
NOTE: MINIMUM GREEN FOR ANY PHASE MUST BE SERVED.

- THEREFORE, IF RAILROAD PRE-EMPTION OCCURS:
- UTILIZE THE APPROPRIATE CLEARANCE INTERVAL PRIOR TO GOING TO INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE.
  - ANY GREEN INDICATION UNDER NORMAL OPERATION OR DURING EMERGENCY PRE-EMPTION, EXCEPT THE GREEN INDICATIONS FOR SIGNALS 1, AND 2, SHALL BE FOLLOWED IMMEDIATELY BY INTERVAL 1 OF THE RAILROAD PRE-EMPTION PHASE AFTER THE MINIMUM GREEN TIME HAS BEEN SERVED.
  - ANY YELLOW INDICATION SHALL TIME OUT AND BE FOLLOWED BY THE NORMAL ALL-RED INTERVAL AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.
  - ANY ALL-RED INTERVAL SHALL TIME OUT AND BE FOLLOWED IMMEDIATELY BY INTERVAL 2 OF THE RAILROAD PRE-EMPTION PHASE.
- IF RAILROAD PRE-EMPTION OCCURS DURING EMERGENCY FLASHING, SIGNALS SHALL REMAIN IN EMERGENCY FLASHING.
- UPON TERMINATION OF INTERVAL 4 OF THE RAILROAD PRE-EMPTION PHASE, THE VEHICULAR TRAFFIC SIGNAL CONTROLLER SHALL PROCEED TO INTERVAL 1 OF PHASE 4+8.

- NOTES:
- R/6 IF FOLLOWED BY PHASE 2+5
  - R/6 IF FOLLOWED BY PHASE 1+6
  - G/6 IF FOLLOWED BY PHASE 2+6
  - G IF FOLLOWED BY PHASE 2+6
  - G IF FOLLOWED BY PHASE 2+5
  - G IF FOLLOWED BY PHASE 1+6
  - SELECTIVE YELLOW INCLUDES THE NORMAL ALL-RED PHASE INTERVAL
  - NORMAL YELLOW AND ALL-RED PHASE TIMINGS SHALL BE UTILIZED

WIRING DIAGRAM



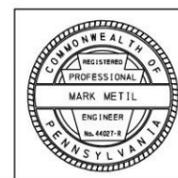
- - SIGNAL HEAD
- △ - TRAFFIC SIGNAL SUPPORT
- ◻ - LUMINAIRE
- ◇ - VIDEO/RADAR DETECTOR

5C/14 - CABLE (NO. OF CONDUCTORS/SIZE AWG)  
\* WIRE PER MANUFACTURERS SPECIFICATIONS.  
\*\* INSTALL JUNCTION BOXES 5 AND 6 AS SHOWN ON THE PERMANENT TRAFFIC SIGNAL PLANS. OWNER OF RR CROSSING SHALL BE RESPONSIBLE FOR FINAL CONNECTION BETWEEN RR CROSSING SIGNAL CONTROLLER AND JUNCTION BOX.  
NOTE: CABLES WITHIN CONDUITS SHALL NOT BE BOUND TOGETHER

COORDINATION CHART

| EVENT NO. | TIME  | PLAN | DAY OF WEEK |   |   |   |   |   |   | CYCLE | OFFSET | SPLIT |    |    |    |    |    |    |       | REMARKS     |
|-----------|-------|------|-------------|---|---|---|---|---|---|-------|--------|-------|----|----|----|----|----|----|-------|-------------|
|           |       |      | M           | T | W | T | F | S | S |       |        | 01    | 02 | 03 | 04 | 05 | 06 | 07 | 08    |             |
| 1         | 00:00 | FREE | X           | X | X | X | X | X | X | -     | -      | -     | -  | -  | -  | -  | -  | -  | MAX I |             |
| 2         | 06:30 | 1    | X           | X | X | X | X | X | X | 130   | 127    | 15    | 88 | -  | 27 | 15 | 88 | -  | 27    | AM PEAK     |
| 3         | 08:00 | 2    | X           | X | X | X | X | X | X | 130   | 2      | 15    | 83 | -  | 32 | 15 | 83 | -  | 32    | MIDDAY PEAK |
| 4         | 15:00 | 3    | X           | X | X | X | X | X | X | 130   | 120    | 15    | 82 | -  | 33 | 15 | 82 | -  | 33    | PM PEAK     |
| 5         | 18:00 | FREE | X           | X | X | X | X | X | X | -     | -      | -     | -  | -  | -  | -  | -  | -  | FREE  |             |
| 6         | 11:00 | 4    | X           | X | X | X | X | X | X | 130   | 2      | 15    | 83 | -  | 32 | 15 | 83 | -  | 32    | WEEKEND     |
| 7         | 14:00 | FREE | X           | X | X | X | X | X | X | -     | -      | -     | -  | -  | -  | -  | -  | -  | FREE  |             |

COUNTY: LANCASTER  
MUNICIPALITY: EAST HEMPFIELD TOWNSHIP  
INTERSECTION: HEMPLAND ROAD (T-413) AND CENTERVILLE ROAD (T-408)



TEMPORARY TRAFFIC SIGNAL PLAN STAGE 3

SCALE: 0 25' 50' FEET