



Case Study

Concord Township, Delaware County

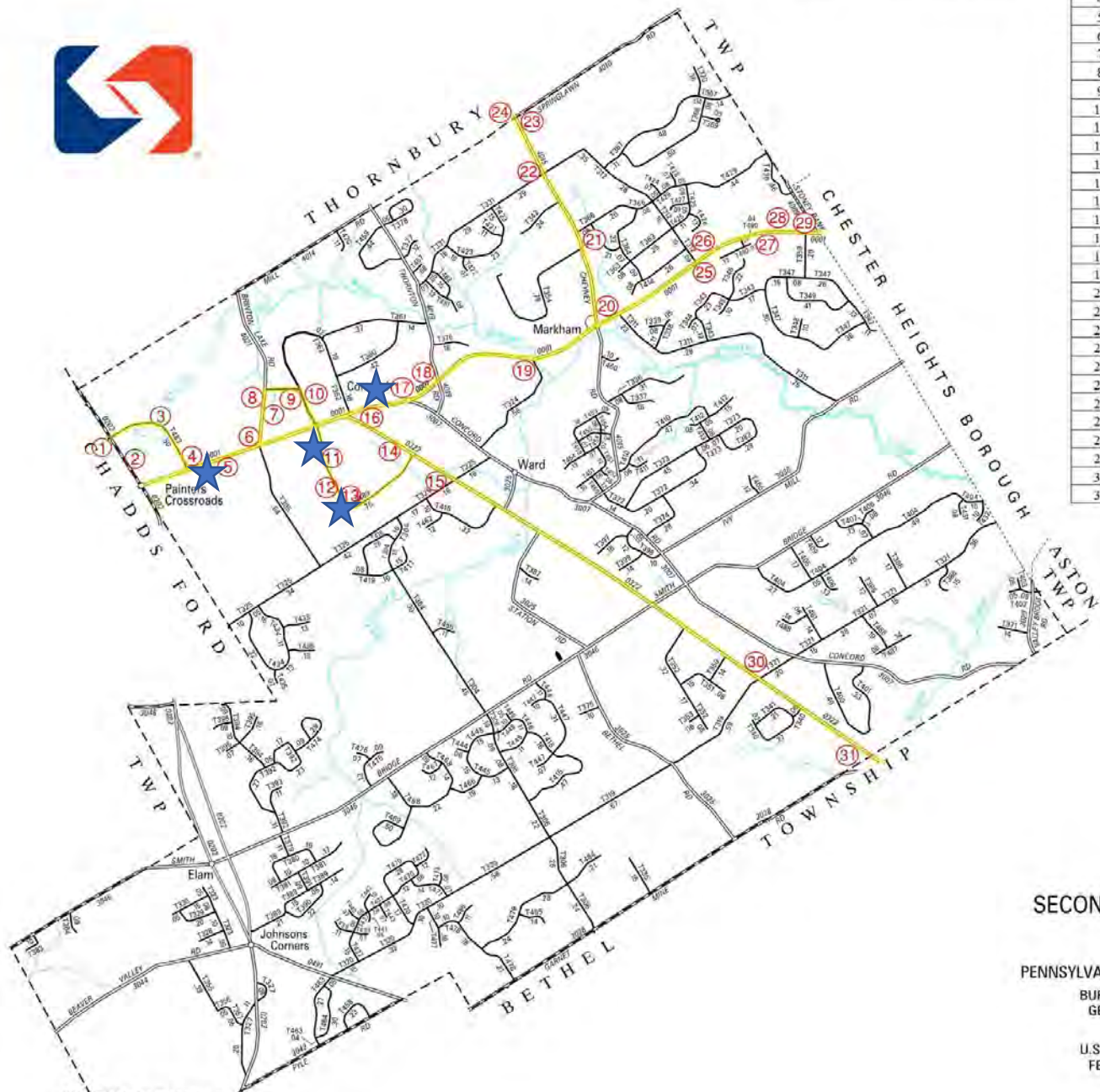
Nate Cline, PE

Township Engineer, Pennoni

TOTAL MILES
 Township Road System 53.98
 State Highway System 30.23
 Total 84.21



- 104 TEMPLE RD
- 105 BRINTON LAKE RD
- 106 YIPK RD
- 111 POLE CAT RD
- 112 SCHOOL HOUSE LA
- 119 FEATHER BED LA
- 120 SHAWSTOWN RD
- 121 WATSON RD
- 123 RUBY RD
- 124 SCOTT RD
- 125 SPRING VALLEY RD
- 127 WATKIN AV
- 128 DOLLING CIR
- 129 MELLY LA
- 150 ROBINS WAY
- 111 TRIMBLE RD
- 195 WERTY DR
- 126 MILL RACE PL
- 127 WATER WHEEL WAY
- 136 COTTONWOOD LA
- 139 MULBERRY LA
- 140 FOREST VIEW DR
- 141 GREEN CREEK LA
- 142 PATRICIA LA
- 143 FOX VALLEY LA
- 144 WASHINGTON LA
- 145 BITTERSWEET CIR
- 146 BITTERSWEET DR
- 147 IVY LA
- 148 WOOD ROSE LA
- 149 DOGWOOD LA
- 150 MERION DR
- 151 MARLBOROUGH LA
- 152 CAMBRIDGE DR
- 153 LEXINGTON LA
- 154 GOVERNOR MARKHAM DR
- 155 SUMMIT ST
- 156 DAIN AV
- 157 GRANDWINE ST
- 159 DOUGHERTY BLVD
- 160 LAURE ST
- 161 ALDON AV
- 162 CONCHESTER RD
- 163 HEMLOCK DR
- 164 WENDY LA
- 165 WINDING WAY
- 166 GLEN VIEW RD
- 167 ANDRIEN RD
- 168 MERRILL HALL DR
- 169 MITCHELL CIR
- 170 MITCHELL CIR
- 171 GLOVER DR
- 172 ST JOHNS DR
- 173 CONCORD MEETING RD
- 174 EDWARD JENNINGS RD
- 175 RUNNING SPRING LA
- 176 LOCUST FARM RD
- 177 PATRIOT LA
- 178 COLONIAL CIR
- 179 LEOPARD RUN
- 180 WOODCHUCK WAY
- 181 RUNNING BROOK RD
- 182 JEREMIAH COLLETT RD
- 183 FAWN LA
- 184 BRICK LA
- 185 LEVI RD
- 186 FEDERAL FARM DR
- 187 PARTRIDGE LA
- 188 MILLTOP LA
- 189 CARTER WAY
- 190 NEW LN WAY
- 191 WOLVERTON WAY
- 192 SUNSET VIEW DR
- 193 TERSPRING DR
- 194 PLEASANT HILL DR
- 195 CONCORD CREEK RD
- 196 WARD CREEK RD
- 197 DARLINGTON RD
- 198 JOHN HANNUM CIR
- 199 WALTERS RD
- 200 CROSSKEYS DR
- 401 VERNON LA
- 402 PETERS LA
- 403 TRATCHER CIR
- 404 WILLITS WAY
- 405 COUNTRY LA
- 406 FORDS VIEW RD
- 407 SLEIGHROD RD
- 408 STEPHENS GREEN RD
- 409 HERITAGE HILL DR
- 410 HUNTINGDON FARM DR
- 411 NICKLIN LA
- 412 BILL WOODS DR
- 413 MERRIS LA
- 414 PARK LA
- 415 WOODVIEW DR
- 416 FELLOWSHIP DR
- 417 MARSHALL CT
- 418 MORRIS DR
- 419 CANNILL RD
- 420 GRAY HAWK LA
- 421 BENJAMIN LA
- 422 PHOENIX LA
- 423 TWINCREEK DR
- 424 ANNIL CT
- 425 CHRISTOPHER DR
- 426 JESSE CT
- 427 MARY CT
- 428 NATHANIEL CT
- 429 BEECH TREE DR
- 430 GREAT OAK DR
- 431 SUSSEX CT
- 432 THEODORE CT
- 443 SWAYNE CT
- 444 QUIGLEY LA
- 445 WOODS DE FARM DR
- 446 ELLEN DR
- 447 HUNT MEET LA
- 448 HUNTSMAN DR
- 449 JONES DR
- 450 NAIPH MARSH DR
- 451 ANNIESLY DR
- 452 HANNAH DR
- 453 WILLIAM HOWARD DR
- 454 THOMAS SPEARMAN DR
- 455 WILLOWTIGHT DR
- 456 JOHN MYERS CIR
- 457 REBECCA LA
- 458 CROSS CREEK LA
- 459 STIRRUP LA
- 460 SAMUEL HILL LA
- 461 SWAN LAKE DR
- 462 LAFRANCE WAY
- 463 CONCORD CROSSING LA
- 464 LEA DR
- 465 LONG BEECH LA
- 466 EAVENSON WAY
- 467 HICKORY DR
- 468 MAPLE LA
- 469 CHERRY CIR
- 470 JOHN BEAL DR
- 471 SMITHFIELD DR
- 472 ROBERT ADAMS CT
- 473 WRIGHTS CT
- 474 HILL HAVEN RD
- 475 PALMER DR
- 476 EDWIN WILDER DR
- 477 WILLIAM BEASER DR
- 478 GLEASON DR
- 479 PENROSE TALLEY RD
- 480 RIDGEY CT
- 481 RIDGE HILL LA
- 482 NELLIE LA
- 483 STATE FARM DR
- 484 FURROD DR
- 485 JOHN LARAIN DR
- 486 PENHOCK DR
- 487 HUDSON WAY
- 488 LOCKHART DR
- 489 EVERGREEN DR
- 490 JAMES GETTY LA

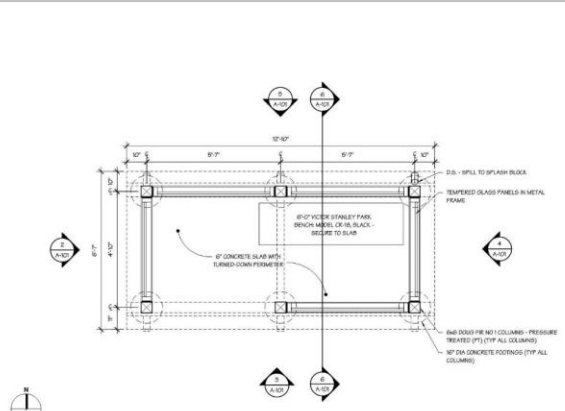


Abbreviations	
MB	Midblock
NS	Nearside (before the intersection)
FS	Farside (after the intersection)

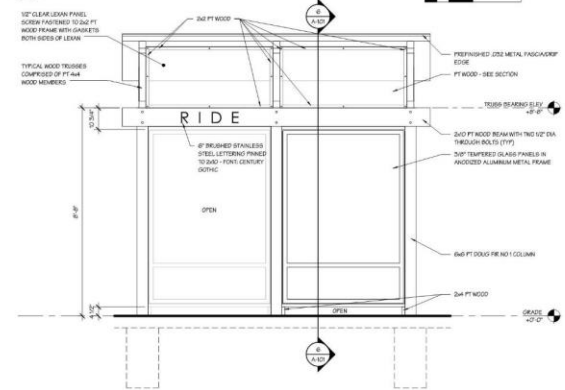
	Stop Name	Route #
1	Wilmington Pk & Brandywine Dr -FS	111
2	Wilmington Pk & State Farm Dr	111
3	State Farm Dr & Pond Dr	111
4	State Farm Dr & Baltimore Pk -FS	111
5	Baltimore Pk & State Farm Dr -FS	111
6	Baltimore Pk & Brinton Lake Rd -FS	111
7	Brinton Lake Rd & Baltimore Pk -MBFS	111
8	Brinton Lake Rd & Franklin Dr -FS	111
9	Evergreen Dr & Baltimore Pk -MBNS	111
10	Evergreen Dr & Brinton Lake Shopping Center	111
11	Evergreen Dr & Baltimore Pk	111,119
12	Evergreen Dr & Baltimore Pk -MBFS	119
13	Evergreen Dr & Maris Grove Dr	111,119
14	Conchester Hwy & Baltimore Pk -MBFS	111
15	Conchester Hwy & Spring Valley Rd	119
16	Baltimore Pk & Conchester Hwy -FS	111,119
17	Baltimore Pk & Concord Rd	111,119
18	Baltimore Pk & Thornton Rd	111,119
19	Baltimore Pk & Scott Rd -FS	111,119
20	Baltimore Pk & Cheyney Rd	111,119
21	Cheyney Rd & Governor Markham Dr -FS	119
22	Cheyney Rd & Patricia Ln	119
23	Cheyney Rd & Springlawn Rd	119
24	Cheyney Rd & Springlawn Rd	119
25	Baltimore Pk & Schoolhouse Ln	111
26	Baltimore Pk & Schoolhouse Ln	111
27	Baltimore Pk & New Seasons	111
28	Baltimore Pk & New Seasons	111
29	Baltimore Pk & Stoney Brook Rd	111
30	Baltimore Pk & Mattson Rd	119
31	Conchester Hwy & Clayton Park -FS	119



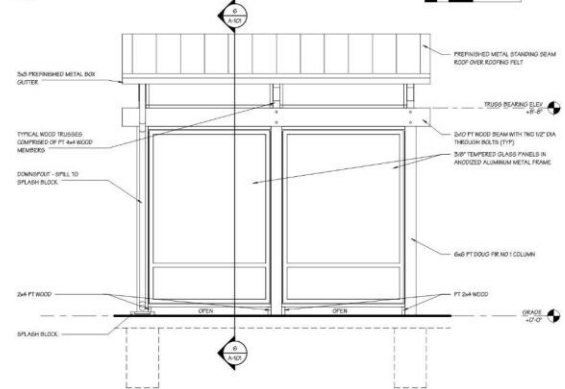
CONCORD
SECOND CLASS TOWNSHIP MAP
DELAWARE COUNTY
 PREPARED BY THE
PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING AND RESEARCH
 GEOGRAPHIC INFORMATION DIVISION
 IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 MUNICIPAL CODE 23 204



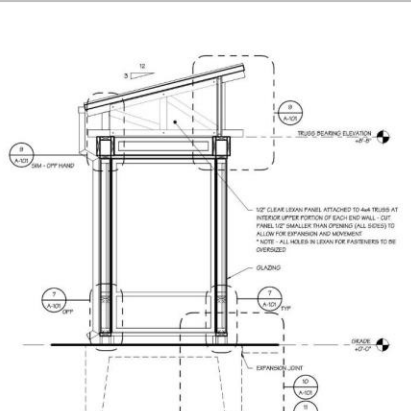
1 PLAN
SCALE: 1/2" = 1'-0"



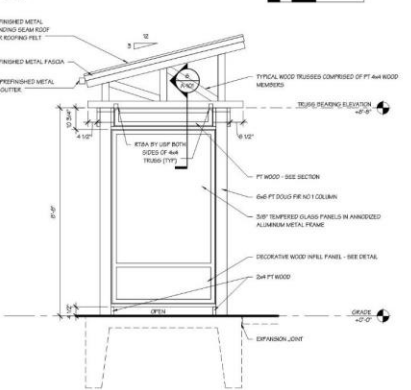
3 SOUTH ELEVATION
SCALE: 1/2" = 1'-0"



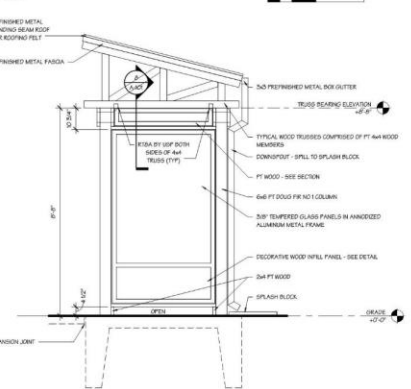
5 NORTH ELEVATION
SCALE: 1/2" = 1'-0"



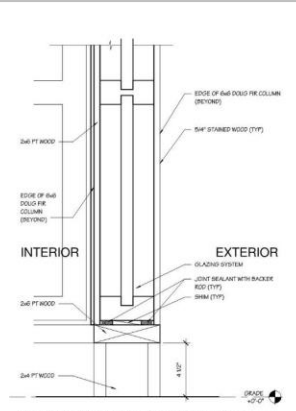
6 SECTION
SCALE: 1/2" = 1'-0"



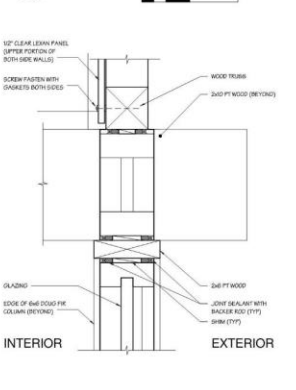
2 WEST ELEVATION
SCALE: 1/2" = 1'-0"



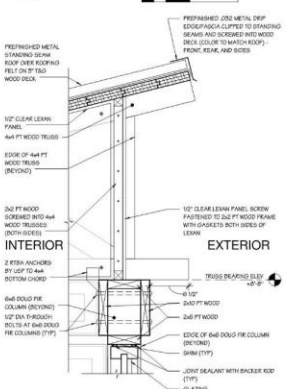
4 EAST ELEVATION
SCALE: 1/2" = 1'-0"



7 SECTION DETAIL
SCALE: 3/4" = 1'-0"

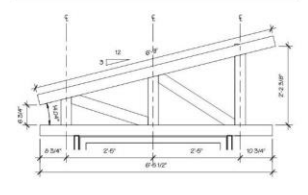


8 SECTION DETAIL
SCALE: 3/4" = 1'-0"

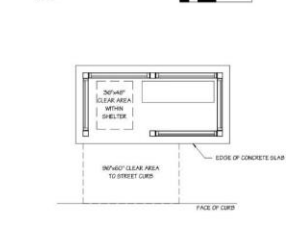


9 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

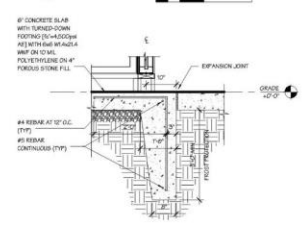
- FLOOR PLAN GENERAL NOTES**
1. OBTAIN ALL REQUIRED NOTICES AND COMPLY WITH ALL LOCAL, STATE, FEDERAL, AND FEDERAL REGULATIONS, ORDINANCES, AND OTHER LEGAL REQUIREMENTS OF PUBLIC AUTHORITIES, WHICH RELATE TO THE PERFORMANCE OF THE WORK.
 2. OBTAIN ALL NECESSARY PERMITS.
 3. NOTIFY ARCHITECT IMMEDIATELY OF ANY AND ALL DISCREPANCIES FOUND IN DIMENSIONS SHOWN.
 4. USE CIVIL ENGINEERING DRAWINGS AND SET PLANS FOR CONCORDVILLE TOWN CENTRE FOR GENERAL UTILITY AND STREET USE RELATED CONSTRUCTION.
 5. GENERAL CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST EDITION OF CONCRETE TRENCH, CHALKLINE, GROUND CREST, OF PENNSYLVANIA CODES AND REGULATIONS.
 6. IT IS INTENDED THAT THE BUS SHELTER MATCH THE BUS SHELTERS LOCATED AT THE ENTRANCE OF MARKET GROVE ACROSS THE STREET IN MATERIALS, APPEARANCE, WOOD SPECIFICATIONS AND FINISHES. IF AN EXISTING BUS SHELTER WITH THESE FINISHES IS BEING REPLACED BY THE SAME MANUFACTURER, STYLE AND COLOR.
 7. SHOWN ALL WOOD INCLUDING UNDERLAYS OF ROOF TRUSS TO MATCH BUS SHELTERS LOCATED AT THE ENTRANCE OF MARKET GROVE ACROSS THE STREET.



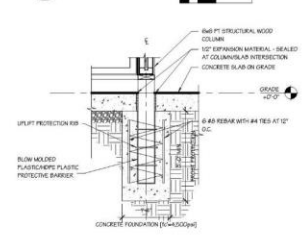
13 TRUSS DETAIL
SCALE: 3/4" = 1'-0"



12 ADA COMPLIANCE PLAN
SCALE: 1/4" = 1'-0"



10 SECTION DETAIL
SCALE: 3/4" = 1'-0"



11 SECTION DETAIL
SCALE: 3/4" = 1'-0"

Team Toyota

Concordville Town Centre



Concordville Town Centre

CHOP

