§610. <u>Street Construction</u>.

1. All materials used in the construction of streets and the methods of construction and drainage shall be in accordance with the applicable requirements of the Pennsylvania Department of Transportation (PennDOT) Specifications, Publication 72M, Publication 242, and Publication 408, the latest revisions thereof and the requirements of this Chapter 22.

2. <u>Subgrade</u>.

   A. The area within the limits of the proposed road surface shall be shaped to conform to the line, grade and cross-section of the proposed road.

   B. Remove or stabilize all unsuitable subgrade materials.

   C. Wet or swampy areas shall be permanently drained and stabilized.

   D. Fill shall be made with suitable materials and thoroughly compacted for full width in uniform layers of not more than eight (8") inches thick.

   E. Compaction testing shall be performed in accordance with, and meet the requirements of, PennDOT specifications.

   F. Backfill of trenches within the cartway and curb area shall be thoroughly compacted prior to application of the base course.

3. <u>Base Course, Binder Course and Wearing Course.</u>

   A. No material shall be placed on wet or frozen subgrade or surfaces.

   B. Installation shall be in accordance with PennDOT specifications.

   C. Weather limitations. Paving shall not be placed if air temperature is not in accordance with PennDOT requirements.

   D. Paving materials and installation shall be in accordance with the specifications as listed in Appendix F.

4. <u>Grading and Shoulders</u>. Roadways shall be graded for not less than eight (8') feet beyond the edge of the proposed paving on each side. This grading width shall be increased as necessary where sidewalks and/or planting strips are to be provided. Shoulders shall be graded with a slope of one (1") inch per foot.

5. <u>Slope of Banks Along Streets</u>. The slope of banks along streets measured perpendicular to the street center line shall be no steeper than the following:

   A. One (1') foot of vertical measurement for three (3') feet of horizontal measurement for fills.

   B. One (1') foot of vertical measurement for two (2') feet of horizontal measurement for cuts.

§611. <u>Sidewalks</u>.

When provided, sidewalks shall be constructed and installed in accordance with PennDOT Publications 408 and 72M. -At driveway crossings, the sidewalk thickness shall be increased to

six (6") inches with reinforcement; a typical sidewalk detail is shown as Appendix G and placement is shown as Appendix F. Sidewalks and ramps shall be constructed in accordance with the Americans with Disabilities Act requirements.

§612. Curbing.

Curbs shall be constructed and installed in accordance with PennDOT Publications 408 and 72M. Where no curb is required, there shall be a minimum of six (6') feet of stabilized shoulder provided; a typical curb detail is shown as Appendix G.

APPENDIX F - WEST SADSBURY TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE ROAD CONSTRUCTION STANDARDS

NO CURB

CURBED

ARTERIAL ROAD TYPICAL SECTION

① 1.5" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 9.5mm, PG 64-22, WMA WEARING COURSE, 3 - <10 M ESALS, SRL-H

② 2.5" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 19mm, PG 64-22, WMA BINDER COURSE, 3 - <10 M ESALS

③ 8" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 25mm, PG 64-22, WMA BASE COURSE, 3 - <10 M ESALS

④ 8" 2A SUBBASE

COLLECTOR ROAD TYPICAL SECTION

① 1.5" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 9.5mm, PG 64-22, WMA WEARING COURSE, 3 - <10 M ESALS, SRL-H

② 2.5" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 19mm, PG 64-22, WMA BINDER COURSE, 3 - <10 M ESALS

③ 6" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 25mm, PG 64-22, WMA BASE COURSE, 3 - <10 M ESALS

④ 6" 2A SUBBASE

LOCAL ROAD TYPICAL SECTION

① 1.5" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 9.5mm, PG 64-22, WMA WEARING COURSE, 0.3-3 M ESALS, SRL-H

② N/A

③ 4" SUPERPAVE VOLUMETRIC ASPHALT MIXTURE DESIGN, 25mm, PG 64-22, WMA BASE COURSE, 0.3-3 M ESALS

④ 6" 2A SUBBASE

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APPENDIX G

NOTES:

1. ONE–HALF (1/2) INCH EXPANSION JOINTS FOR FULL DEPTH OF THE SIDEWALK (RUBBERIZED MATERIAL) 20 FT. O.C. MAX.
2. SLABS SHALL BE SCORED (TRAVERSE DUMMY JOINTS) EVERY FIVE (5) FEET O.C. APPROXIMATE 1/8" WIDE AND AT LEAST 1" DEEP.
3. ALL SIDEWALKS TO HAVE A 2% MAXIMUM CROSS SLOPE.
4. SIDEWALK DEPTH SHALL BE 6" AT ALL DRIVEWAY LOCATIONS.
5. SIDEWALK TO BE LIGHT BROOM FINISHED IN DIRECTION OF SIDEWALK WIDTH.
6. FORM OUTSIDE EDGES AND JOINTS WITH A 1/4–INCH RADIUS–EDGING TOOL.
7. CURB RAMPS AS REQUIRED AND WHERE INDICATED, CONSTRUCT CEMENT CONCRETE SIDEWALK FOR CURB RAMP CONFIGURATIONS AS INDICATED ON THE MOST CURRENT STANDARD DRAWINGS (RC–67M) AND ADA REQUIREMENTS, EXCEPT FOR THE DETECTABLE WARNING SURFACE (DWS) LOCATED AT THE BOTTOM OF EACH RAMP. CONSTRUCT THE DWS AS SPECIFIED IN SECTION 695 IN PUBLICATION 408.
8. DO NOT REMOVE SIDE FORMS UNTIL AT LEAST 12 HOURS AFTER PLACING CONCRETE. AFTER REMOVAL OF FORM, FILL MINOR HONEYCOMBED AREAS WITH MORTAR.
9. SIDEWALK SHALL BE A MINIMUM OF 4 FEET WIDE UNLESS EXISTING SIDEWALK IS WIDER, THEN SIDEWALK SHALL MATCH EXISTING SIDEWALK.
10. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PENNDOT PUBLICATION 408. THIS INCLUDES MEETING AMBIENT TEMPERATURE REQUIREMENTS FOR CONCRETE PLACEMENT.

TYPICAL CONCRETE SIDEWALK DETAIL

NOT TO SCALE

APPENDIX G

CONCRETE DRIVEWAY APRON DETAIL - SECTION

NOT TO SCALE

CONCRETE DRIVEWAY APRON DETAIL

NOT TO SCALE

NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTION 630 FOR PLAIN CEMENT CONCRETE CURB AND DEPRESSED CURB.

2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.

3. PLACE 3/4" THICK PREMOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO THE CURB OR TO CONFORM TO CROSS SEDTIONAL AREA OF CURB.

VERTICAL CURB DETAIL (FOR TOWNSHIP ROADS)

NOT TO SCALE