

TOWNSHIP OF WARWICK

Lancaster County, Pennsylvania

ORDINANCE NO. 270

AN ORDINANCE TO AMEND THE CODE OF ORDINANCES OF THE TOWNSHIP OF WARWICK, CHAPTER 285, SUBDIVISION AND LAND DEVELOPMENT, TO REVISE STANDARDS FOR SIDEWALKS, PAVING, LIGHTING, AND LANDSCAPING AND TO AMEND CHAPTER 277, STREETS AND SIDEWALKS, TO REVISE CONSTRUCTION REQUIREMENTS FOR STREETS.

BE AND IT IS HEREBY ORDAINED AND ENACTED by the Board of Supervisors of the Township of Warwick, Lancaster County, Pennsylvania, as follows:

Section 1. The Code of Ordinances of the Township of Warwick, Chapter 277, Streets and Sidewalks, Section 277-19, Construction Requirements, shall be amended as follows:

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- A. The subbase for minor residential streets which serve only local, residential traffic shall consist of crushed aggregate of a type specified in the latest edition of the Pennsylvania Department of Transportation Manual, Form 408, rolled to minimum thickness of six inches. The subbase for streets serving commercial and industrial uses and streets which serve as collector shall consist of crushed aggregate of a type specified in the latest edition of the Pennsylvania Department of Transportation Manual, Form 408, rolled to a minimum thickness of six inches. The subbase for arterial streets shall consist of crushed aggregate of a type specified in the latest edition of the Pennsylvania Department of Transportation Manual, Form 408, rolled to a minimum thickness of eight inches. No subbase shall be covered until it is inspected and given final written approval by the Township Supervisors or their designated representative.

- C. The paved surface for minor residential streets which serve only local, residential traffic shall consist of hot-mixed, hot-laid materials in two courses, the lower of which (base course) shall be a bituminous surface (25mm, 0 - .3 ESALs) rolled down to four inches in thickness, and the upper of which (wearing course) shall be a bituminous surface (9.5mm, 0 - .3 ESALs) rolled down to 1 1/2 inch in thickness. The paved surface for all streets serving commercial and industrial uses and collector streets shall consist of hot-mixed, hot-laid materials in three

courses, the lower of which (base course) shall be a bituminous concrete base course surface (25mm, 0 - .3 ESALs) rolled down to four inches in thickness, the middle of which (binder course) shall be a bituminous concrete base course surface (19mm, 0 - .3 ESALs) rolled down to two inches in thickness, and the upper of which (wearing course) shall be a bituminous surface (9.5mm, 0 - .3 ESALs) rolled down to 1 1/2 inch in thickness. The paved surface for all arterial streets shall consist of hot-mixed, hot-laid materials in three courses, the lower of which (base course) shall be a bituminous concrete base course surface (25mm, .3 - 3 ESALs) rolled down to four inches in thickness, the middle of which (binder course) shall be a bituminous concrete base course surface (19mm, .3 - 3 ESALs) rolled down to two inches in thickness, and the upper of which (wearing course) shall be a bituminous surface (9.5mm, .3 - 3 ESALs) rolled down to two inches in thickness. All finished streets must maintain 1/4 inch per foot crown except on superelevations and shall conform with the horizontal and vertical alignment of the plan as approved.

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Section 2. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Section 285-11, Preliminary Plans, Subsection D, Plan Information, shall be amended by adding new Paragraphs (18), (19), and (20) which shall provide as follows:

- (18) Where any outdoor lighting will be installed, a lighting plan meeting all applicable requirements of Chapter 340, Zoning, and this Chapter.
- (19) For land within the Agricultural Zone, identification of the parent tract and all subdivisions from the parent tract, including recording reference of each prior plan for the parent tract; the rights of development remaining before the subject plan; and allocation of any development rights remaining after the subject plan.
- (20) If the development proposes the use of TDRs, identification of the number of TDRs to be used, the purpose of using the TDRs, the section or sections of Chapter 340, Zoning, authorizing the use of the TDRs, and the source of title of the TDRs to be used.

Section 3. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Section 285-11, Preliminary Plans, Subsection E, Certificates, Notations and Reports, shall be amended by adding new Paragraphs (10) and (11) which shall provide as follows:

- (10) Identification of all prior recorded plans for the subject tract, identifying all notes and/or restrictions on such prior recorded plans affecting the current development, together with a verification signed by the design professional that such list is complete and correct.
- (11) Where the land included in the subject tract has an agricultural preservation, woodland or other natural resource easement located within the tract, the plan shall

identify the recording reference for such easement and the application shall be accompanied by a letter from the party holding the easement stating any conditions on the use of the land. This requirement may be satisfied by submitting a copy of the recorded agreement.

Section 4. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Section 285-12, Final Plans, Subsection D, Plan Information, shall be amended by adding new Paragraphs (19) through (21) which shall provide as follows:

- (19) Where any outdoor lighting will be installed, a lighting plan meeting all applicable requirements of Chapter 340, Zoning, and this Chapter.
- (20) For land within the Agricultural Zone, identification of the parent tract and all subdivisions from the parent tract, including recording reference of each prior plan for the parent tract; the rights of development remaining before the subject plan; and allocation of any development rights remaining after the subject plan.
- (21) If the development proposes the use of TDRs, identification of the number of TDRs to be used, the purpose of using the TDRs, the section or sections of Chapter 340, Zoning, authorizing the use of the TDRs, and the source of title of the TDRs to be used.

Section 5. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Section 285-12, Final Plans, Subsection E, Certificates, Notations and Reports, shall be amended by adding new Paragraphs (21) and (22) which shall provide as follows:

- (21) Identification of all prior recorded plans for the subject tract, identifying all notes and/or restrictions on such prior recorded plans affecting the current development, together with a verification signed by the design professional that such list is complete and correct.
- (22) Where the land included in the subject tract has an agricultural preservation, woodland or other natural resource easement located within the tract, the plan shall identify the recording reference for such easement and the application shall be accompanied by a letter from the party holding the easement stating any conditions on the use of the land. This requirement may be satisfied by submitting a copy of the recorded agreement.

Section 6. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Section 285-27, Streets, Access Drives, and Driveways, Subsection L, Sight Distance at Street Intersections, Paragraphs (1) and (2) shall be amended to shall provide as follows:

- (1) Proper sight distance shall be provided with respect to both horizontal and vertical road alignments at all intersections. The sight distance shall be measured from a line

15 feet back from the edge of the cartway of the intersected street perpendicular to the center line of the intersecting street. The sight distance shall be determined by the design speed of the road and the grade of the intersected street in accordance with Appendix 20 or by using the formula: $D = [1.47Vt + (V^2/30(F+G))]$ where D = distance, V = speed of the oncoming vehicle in mph, t = the reaction time of the driver, F = the coefficient of friction on the vehicle, and G = grade of the intersected street. The driver's eye height shall be 3.5 feet above the proposed access surface and roadway surface and the vehicle's height shall be 4.25 feet above the access surface and highway pavement surface.

- (2) There shall be provided and maintained at all intersections a safe stopping distance easement or dedicated right-of-way which shall include the area on each street corner that is bounded by a line of sight triangle between points from the intersection of the street center lines for the distance shown in Appendix 21. Safe stopping sight easements shall be indicated on all plans, and a note shall be provided on the plans which states that no structures, landscaping or grading may be constructed, installed or performed within the area of the safe stopping distance easement which would obscure the vision of motorists. Deeds to lots which contain safe stopping distance easement shall provide that no structure, landscaping or grading shall be erected, installed or performed within the area of the safe stopping distance easement which will obscure the vision of motorists.

Section 7. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Section 285-34, Landscaping, Subsection C, Street trees, Paragraph (10) shall be amended to shall provide as follows:

- (10) Street trees may be one of the following species:

*Acer freemanii	Armstrong Maple
*#Acer rubrum cultivars	Red Maple
*#Acer saccharum	Sugar Maple
Cornus rutcan	Constellation Dogwood Hybrid
#Crataegus crus-galli var. inermis	Thornless Cockspur Hawthorn
*#Gymnocladus dioicus	Kentucky Coffeetree
Malus centzam	Centurion Crabapple
*#Nyssa sylvatica	Black Gem
#Ostrya virginiana	Hop Hornbeam
*#Quercus bicolor	Bicolor Swamp White Oak
*#Quercus rubra	Red Oak
*#Taxodium distichum	Baldcypress
*Ulmus parvifolia	Lacebark Elm
*Zelkova serrata	Japanese Zelkova
*DO NOT PLANT UNDER ELECTRIC LINES	
# NATIVE SPECIES	

Section 8. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Section 285-34, Landscaping, shall be amended by adding new Subsections F and G which shall provide as follows:

F Native and Invasive Planting.

- (1) Native plant materials shall be incorporated in all designs. Not less than 80 percent of all trees, shrubs, and other plant materials to be installed shall be from the list of native species in §285-34.G. Native plants shall be used near wetlands and riparian areas.
- (2) Invasive plants shall not be used. Invasive plants shall be considered plants which grow quickly and aggressively, spreading and displacing other plants.

G. Acceptable Native Species. The following are the acceptable native species which may be planted and which shall be considered in determining compliance with the requirements of §285-34.F:

- (1) Shade and Specimen Trees

Acer rubrum	red maple
Acer saccharum	sugar maple
Betula nigra	river birch
Carya glabra	pignut hickory
Carya laciniosa	shellbark hickory
Castanea dentata	American chestnut (blight-resistant variety)
Celtis occidentalis	common hackberry
Cladrastis kentukea	Yellowwood
Fagus grandifolia	American beech
Gleditsia triacanthos var. inermis	Thornless Honeylocust
Gymnocladus dioicus	Kentucky coffeetree
Liquidambar styraciflua	sweet gum
Liriodendron tulipifera	tulip tree
Nyssa sylvatica	black gum
Platanus occidentalis	American sycamore
Quercus alba	white oak
Quercus bicolor	bicolor swamp white oak
Quercus coccinia	scarlet oak
Quercus falcata	southern red oak
Quercus imbricaria	shingle oak
Quercus macrocarpa	bur oak
Quercus phellos	willow oak
Quercus rubra	red oak
Quercus velutina	black oak
Taxodium distichum	Baldcypress
Tilia americana	basswood

<i>Ulmus americana</i>	American elm (blight-resistant variety)
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(2) Shrubs and Understory Trees

<i>Acer pensylvanicum</i>	striped maple
<i>Acer spicatum</i>	mountain maple
<i>Alnus serrulata</i>	smooth alder
<i>Amelanchier arborea</i>	downy serviceberry, shadblow serviceberry
<i>Amelanchier canadensis</i>	shadbush
<i>Amelanchier laevis</i>	smooth serviceberry
<i>Amorpha fruticosa</i>	false indigo
<i>Aralia spinosa</i>	devil's walking stick
<i>Aronia arbutifolia</i>	red chokeberry
<i>Aronia melanocarpa</i>	black chokeberry
<i>Asimina triloba</i>	pawpaw
<i>Baccharis halimifolia</i>	groundsel bush
<i>Carpinus caroliniana</i>	ironwood
<i>Castanea pumila</i>	chinquapin
<i>Ceanothus americanus</i>	New Jersey tea
<i>Cephalanthus occidentalis</i>	buttonbush
<i>Cercis canadensis</i>	redbud
<i>Chionanthus virginicus</i>	fringe tree
<i>Clethra alnifolia</i>	sweet pepper bush
<i>Comptonia peregrina</i>	sweet fern
<i>Cornus alternifolia</i>	alternate-leaf dogwood
<i>Cornus amomum</i>	silky dogwood
<i>Cornus florida</i>	flowering dogwood
<i>Cornus racemosa</i>	gray dogwood
<i>Cornus sericea</i>	redtwig dogwood
<i>Corylus americana</i>	American hazelnut
<i>Crataegus crus-galli</i> var. <i>inermis</i>	Thornless Cockspur Hawthorn
<i>Dirca palustris</i>	leatherwood
<i>Euonymus americanus</i>	American strawberry bush
<i>Hamamelis virginiana</i>	witch hazel
<i>Hydrangea arborescens</i>	smooth hydrangea
<i>Hydrangea quercifolia</i>	Oakleaf Hydrangea
<i>Ilex decidua</i>	possum haw
<i>Ilex glabra</i>	inkberry
<i>Ilex opaca</i>	American holly
<i>Ilex verticillata</i>	winterberry
<i>Itea virginica</i>	Virginia sweetspire
<i>Kalmia angustifolia</i>	sheep laurel
<i>Kalmia latifolia</i>	mountain laurel

<i>Lindera benzoin</i>	spicebush
<i>Magnolia virginiana</i>	sweetbay magnolia
<i>Marella pennsylvanica</i>	northern bayberry
<i>Ostrya virginiana</i>	American hop hornbeam
<i>Rhododendron arborescens</i>	sweet azalea
<i>Rhododendron atlanticum</i>	coastal azalea
<i>Rhododendron calendulaceum</i>	flame azalea
<i>Rhododendron maximum</i>	great laurel
<i>Rhododendron periclymenoides</i>	pink azalea, pinxter azalea
<i>Rhododendron prinophyllum</i>	roseshell azalea
<i>Rhododendron viscosum</i>	swamp azalea
<i>Rhus copallina</i>	winged sumac
<i>Rhus glabra</i>	smooth sumac
<i>Rhus typhina</i>	staghorn sumac
<i>Rosa blanda</i>	meadow rose
<i>Rosa carolina</i>	Carolina rose
<i>Rosa palustris</i>	swamp rose
<i>Rosa setigera</i>	prairie rose
<i>Rosa virginiana</i>	Virginia rose
<i>Salix discolor</i>	pussy willow
<i>Salix nigra</i>	black willow
<i>Salix sericea</i>	silky willow
<i>Sambucus canadensis</i>	elderberry
<i>Sassafras albidum</i>	sassafras
<i>Spiraea alba</i>	white meadowsweet
<i>Spiraea tomentosa</i>	steeplebush
<i>Ulmus rubra</i>	slippery elm
<i>Vaccinium angustifolium</i>	lowbush blueberry
<i>Vaccinium corymbosum</i>	highbush blueberry
<i>Viburnum acerifolium</i>	mapleleaf viburnum
<i>Viburnum cassinoides</i>	witherod
<i>Viburnum dentatum</i>	arrowwood
<i>Viburnum nudum</i>	smooth witherod
<i>Viburnum prunifolium</i>	blackhaw
<i>Viburnum trilobum</i>	Cranberrybush

(3) Conifers

<i>Chamaecyparis thyoides</i>	Atlantic white cedar
<i>Juniperus virginiana</i>	eastern red cedar
<i>Pinus strobus</i>	white pine
<i>Pinus virginiana</i>	Virginia pine
<i>Tsuga canadensis</i>	eastern hemlock
<i>Thuja occidentalis</i>	Eastern white cedar

(4) Vines

<i>Bignonia capreolata</i>	cross vine
<i>Campsis radicans</i>	trumpet vine
<i>Clematis virginiana</i>	virgin's bower
<i>Celastrus scandens</i>	American bittersweet
<i>Lonicera sempervirens</i>	coral honeysuckle
<i>Parthenocissus quinquefolia</i>	Virginia creeper
<i>Wisteria frutescens</i>	American wisteria

(5) Streamside Plants

<i>Acer negundo</i>	box elder
<i>Acer rubrum</i>	red maple
<i>Alnus serrulata</i>	smooth alder
<i>Aronia arbutifolia</i>	red chokeberry
<i>Asimina triloba</i>	pawpaw
<i>Baccharis halmifolia</i>	groundsel bush
<i>Betula nigra</i>	river birch
<i>Celtis occidentalis</i>	common hackberry
<i>Cephalanthus occidentalis</i>	buttonbush
<i>Chamaedaphne calyculata</i>	leatherleaf
<i>Clethra alnifolia</i>	sweet pepper bush
<i>Cornus amomum</i>	silky dogwood
<i>Cornus sericea</i>	redtwig dogwood
<i>Liquidambar styraciflua</i>	sweet gum
<i>Magnolia virginiana</i>	sweetbay magnolia
<i>Marella pensylvanica</i>	northern bayberry
<i>Nyssa sylvatica</i>	black gum
<i>Platanus occidentalis</i>	American sycamore
<i>Populus deltoides</i>	eastern cottonwood
<i>Quercus bicolor</i>	swamp white oak
<i>Quercus palustris</i>	pin oak
<i>Quercus phellos</i>	willow oak
<i>Rhododendron viscosum</i>	swamp azalea
<i>Rosa palustris</i>	swamp rose
<i>Salix discolor</i>	pussy willow
<i>Salix nigra</i>	black willow
<i>Salix sericea</i>	silky willow
<i>Sambucus canadensis</i>	elderberry
<i>Spiraea tomentosa</i>	steeplesh

(6) Ground Covers

<i>Antennaria dioica</i>	pussytoes
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<i>Arctostaphylos uva-ursi</i>	bearberry
<i>Asarum canadense</i>	wild ginger
<i>Carex glaucoidea</i>	blue wood sedge
<i>Carex pensylvanica</i>	Pennsylvania sedge
<i>Carex plantaginea</i>	plains leaf sedge
<i>Carex platyphylla</i>	broadleaf sedge
<i>Carex stricta</i>	tussock sedge
<i>Chrysogonum virginianum</i>	green and gold
<i>Fragaria virginiana</i>	common strawberry
<i>Gaultheria procumbens</i>	teaberry, wintergreen
<i>Hepatica Americana</i>	round-lobed hepatica
<i>Maianthemum canadense</i>	Canada mayflower
<i>Mitchella repens</i>	partridgeberry
<i>Pachysandra procumbens</i>	Allegheny spurge
<i>Phlox divaricata</i>	wild blue phlox
<i>Phlox maculata</i>	wild sweet William
<i>Phlox stolonifera</i>	creeping phlox
<i>Podophyllum peltatum</i>	mayapple
<i>Potentilla canadensis</i>	dwarf cinquefoil
<i>Potentilla simplex</i>	common cinquefoil
<i>Sedum ternatum</i>	mountain stonecrop
<i>Tiarella cordifolia</i>	eastern foamflower
<i>Viola blanda</i>	sweet white violet
<i>Viola pallens</i>	northern white violet
<i>Viola papilionacea</i>	common blue violet
<i>Viola pedata</i>	birdsfoot violet
<i>Viola septentrionalis</i>	northern blue violet
<i>Waldsteinia fragarioides</i>	barren strawberry

(7) Herbaceous Perennials, Dry Sites

<i>Agrimonia parviflora</i>	small agrimony
<i>Amsonia tabernaemontana</i>	willowleaf bluestar
<i>Anemone canadensis</i>	Canada anemone
<i>Aquilegia canadensis</i>	wild columbine
<i>Asclepias tuberosa</i>	butterfly weed
<i>Aster divaricatus</i>	white wood aster
<i>Aster lateriflorus</i>	calico aster
<i>Aster novae-angliae</i>	New England aster
<i>Aster oblongifolius</i>	aromatic aster
<i>Aster spectabilis</i>	seaside aster
<i>Baptisia australis</i>	blue false indigo
<i>Cardamine concatenata</i>	cutleaf toothwort
<i>Chrysopsis mariana</i>	Maryland golden aster
<i>Cimicifuga racemosa</i>	black cohosh

<i>Coreopsis lanceolata</i>	tickseed
<i>Coreopsis verticillata</i>	whorled coreopsis
<i>Eupatorium hyssopifolium</i>	hyssopleaf thoroughwort
<i>Eupatorium perfoliatum</i>	boneset
<i>Eupatorium rotundifolium</i>	round-leaved boneset
<i>Eupatorium serotinum</i>	late-blooming thoroughwort
<i>Euphorbia corollata</i>	flowering spurge
<i>Geranium maculatum</i>	wild geranium
<i>Heliopsis helianthoides</i>	oxeye
<i>Heuchera americana</i>	alumroot, coral bells
<i>Lespedeza virginica</i>	slender bushclover
<i>Mertensia virginica</i>	Virginia bluebells
<i>Oenothera fruticosa</i>	sundrops
<i>Packera aurea</i>	golden ragwort
<i>Phlox maculata</i>	meadow phlox
<i>Pycnanthemum muticum</i>	short-toothed mountain mint
<i>Pycnanthemum tenuifolium</i>	narrow-leaved mountain mint
<i>Ratibida pinnata</i>	pinnate prairie coneflower
<i>Rudbeckia fulgida</i>	orange coneflower
<i>Rudbeckia nitida</i>	shining coneflower
<i>Salvia lyrata</i>	lyre-leaved sage
<i>Sedum ternatum</i>	mountain stonecrop
<i>Senna hebecarpa</i>	wild senna
<i>Silene virginica</i>	fire pink
<i>Solidago caesia</i>	blue-stem goldenrod
<i>Solidago canadensis</i>	Canada goldenrod
<i>Solidago graminifolia</i>	grass-leaved goldenrod
<i>Solidago rugose</i>	rough-stem goldenrod
<i>Solidago speciosa</i>	showy goldenrod
<i>Veronicastrum virginicum</i>	Culver's root

(8) Herbaceous Perennials, Moist Sites

<i>Aconitum uncinatum</i>	eastern monkshood
<i>Actaea pachypoda</i>	white baneberry
<i>Agastache scrophulariifolia</i>	giant purple hyssop
<i>Agrimonia parviflora</i>	small agrimony
<i>Amsonia tabernaemontana</i>	willowleaf bluestar
<i>Anemone canadensis</i>	Canada anemone
<i>Aquilegia canadensis</i>	wild columbine
<i>Aruncus dioicus</i>	goat's beard
<i>Asclepias incarnata</i>	swamp milkweed
<i>Astilbe biternata</i>	American astilbe
<i>Boltonia asteroides</i>	false aster, white doll's daisy
<i>Chelone glabra</i>	turtlehead

<i>Coreopsis rosea</i>	pink coreopsis
<i>Dicentra cucullaria</i>	Dutchman's breeches
<i>Dicentra eximia</i>	fringed bleeding heart
<i>Erythronium americanum</i>	yellow trout lily
<i>Eupatorium coelestinum</i>	mistflower
<i>Eupatorium dubium</i>	common Joe-Pye weed
<i>Eupatorium fistulosum</i>	hollowstem Joe-Pye weed
<i>Eupatorium rugosum</i>	white snakeroot
<i>Filipendula rubra</i>	queen of the prairie
<i>Helenium autumnale</i>	Helen's flower, sneezeweed
<i>Helianthus angustifolius</i>	swamp sunflower
<i>Hibiscus moscheutos</i>	rose mallow
<i>Iris versicolor</i>	blue flag iris
<i>Jeffersonia diphylla</i>	twinleaf
<i>Liatris spicata</i>	spiked blazing star
<i>Lobelia cardinalis</i>	cardinal flower
<i>Lobelia siphilitica</i>	great blue lobelia
<i>Ludwigia alternifolia</i>	seedbox
<i>Lysimachia ciliata</i>	yellow loosestrife
<i>Mertensia virginica</i>	Virginia bluebell
<i>Mimulus ringens</i>	Allegheny monkey flower
<i>Monarda didyma</i>	beebalm
<i>Penstemon digitalis</i>	foxglove beardtongue
<i>Phlox paniculata</i>	summer phlox
<i>Polemonium reptans</i>	creeping Jacob's ladder
<i>Polygonatum commutatum</i>	Solomon's seal
<i>Rudbeckia laciniata</i>	cutleaf coneflower
<i>Sisyrinchium angustifolium</i>	blue-eyed grass
<i>Symphyotrichum puniceum</i>	purple-stem aster
<i>Verbena hastata</i>	blue vervain
<i>Vernonia noveboracensis</i>	New York ironweed
<i>Veronicastrum virginicum</i>	Culver's root

(9) Grasses, Sedges, and Rushes

<i>Andropogon gerardii</i>	big bluestem
<i>Andropogon ternarius</i>	splitbeard bluestem
<i>Andropogon virginicus</i>	broomsedge
<i>Carex flaccosperma</i>	thinfruit sedge
<i>Carex pensylvanica</i>	Pennsylvania sedge
<i>Carex vulpinoidea</i>	fox sedge
<i>Chasmanthium latifolium</i>	river oats
<i>Elymus canadensis</i>	Canada wild rye
<i>Elymus hystrix</i>	bottlebrush grass
<i>Elymus virginicus</i>	Virginia wild rye

Eragrostis spectabilis	purple lovegrass
Juncus effusus	common rush
Panicum virgatum	switchgrass
Saccharum giganteum	giant plume grass
Schizachyrium scoparium	little bluestem
Sorghastrum nutans	Indiangrass
Tripsacum dactyloides	eastern gamagrass

(10) Ferns

Adiantum pedatum	maidenhair fern
Athyrium filix-femina	lady fern
Dennstaedtia punctilobula	hayscented fern
Dryopteris intermedia	evergreen
Dryopteris marginalis	marginal woodfern
Onoclea sensibilis	sensitive fern
Osmunda cinnamomea	cinnamon fern
Osmunda regalis	royal fern
Polystichum acrostichoides	Christmas fern
Thelypteris noveboracensis	New York fern

Section 9. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Appendix 2, Sidewalk Improvements (285 Attachment 3), 2, Construction Method, shall be amended by revising Paragraph A and adding a new Paragraph D which shall provide as follows:

- A. The minimum sidewalk width shall be five (5) feet. Encroachments into a sidewalk shall not result in less than five (5) feet wide minimum clearance width from any obstacle. Sidewalks shall be constructed so as to discharge drainage. Sidewalks shall be constructed of concrete. Concrete used in sidewalk work shall be certified to develop a compressive stress of at least 3,300 P.S.I. at 28 days. Certification of the mix shall be furnished, if requested by the authority accepting dedication. Concrete shall be placed in forms that are straight and securely braced. Care shall be taken to control the water content to prevent separation of the aggregates. The concrete shall have a broom finish and the edge shall be finished with an edging tool.

* * *

- D. Sidewalks shall be sloped towards adjacent pervious surfaces.

Section 10. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Appendix 2A, Sidewalk Construction Details (285 Attachment 4) shall be deleted in its entirety, and a new Appendix 2A, Sidewalk Construction Details (285 Attachment 4), attached hereto and incorporated herein as Exhibit A shall be inserted in its place.

Section 11. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Appendix 19, Street Construction Details; Typical Local Street Cross-Section (285 Attachment 21) shall be deleted in its entirety, and a new Appendix 19, Street Construction Details; Typical Local Street Cross-Section (285 Attachment 21), attached hereto and incorporated herein as Exhibit B shall be inserted in its place.

Section 12. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Appendix 19A, Street Construction Details; Typical Collector Street Cross-Section (285 Attachment 22) shall be deleted in its entirety, and a new Appendix 19A, Street Construction Details; Typical Collector Street Cross-Section (285 Attachment 22), attached hereto and incorporated herein as Exhibit C shall be inserted in its place.

Section 13. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Appendix 20, Clear Sight Triangle (285 Attachment 23) shall be deleted in its entirety, and a new Appendix 20, Stopping Sight Distance (285 Attachment 23), attached hereto and incorporated herein as Exhibit D shall be inserted in its place.

Section 14. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Appendix 21, Safe Stopping Distance (285 Attachment 24) shall be deleted in its entirety, and a new Appendix 21, Safe Stopping Sight Distance Easement (285 Attachment 24), attached hereto and incorporated herein as Exhibit E shall be inserted in its place.

Section 15. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, shall be amended by inserting a new Appendix 19B, Street Construction Details; Typical Arterial Street Cross-Section (285 Attachment), attached hereto and incorporated herein as Exhibit F.

Section 16. The Code of Ordinances of the Township of Warwick, Chapter 285, Subdivision and Land Development, Appendix 24, Minimum Lighting Guidelines (285 Attachment 27) shall be amended by retitling the Appendix as (Lighting Guidelines) and adding the following at the end of the existing Appendix 24:

Additional Requirements for Lighting of Non-Residential Uses

- A. All lighting shall be designed to control glare and retain the rural character of the Township.
- B. All lighting of non-residential uses shall be designed in accordance with the Model Lighting Ordinance prepared by the Illuminating Engineering Society and the International Dark Sky Association dated 6/15/2011, and available at http://www.darksky.org/assets/documents/MLO/MLO_FINAL_June2011.pdf

Section 17. All other sections, parts and provisions of the Code of Ordinances of the Township of Warwick shall remain in full force and effect as previously enacted and amended.

Section 18. In the event any provision, section, sentence, clause or part of this Ordinance

shall be held to be invalid, illegal or unconstitutional by a court of competent jurisdiction, such invalidity, illegality or unconstitutionality shall not affect or impair the remaining provisions, sections, sentences, clauses or parts of this Ordinance, it being the intent of the Board of Supervisors that the remainder of the Ordinance shall be and shall remain in full force and effect.

Section 19. This Ordinance shall take effect and be in force five (5) days after its enactment by the Board of Supervisors of the Township of Warwick as provided by law.

DULY ORDAINED AND ENACTED this 18th day of March, 2015, by the Board of Supervisors of the Township of Warwick, Lancaster County, Pennsylvania, in lawful session duly assembled.

TOWNSHIP OF WARWICK
Lancaster County, Pennsylvania

Attest: 
(~~Assistant~~) Secretary

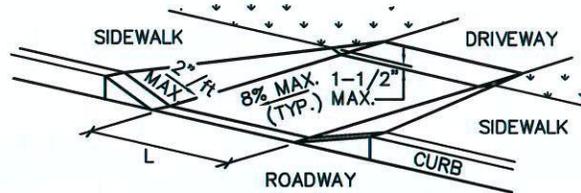
By: 
(~~Vice~~) Chairman
Board of Supervisors

[TOWNSHIP SEAL]

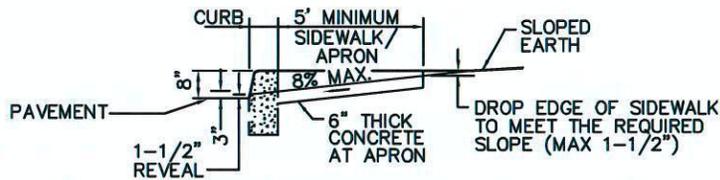
SUBDIVISION AND LAND DEVELOPMENT

Township of Warwick

Appendix 2A
Sidewalk Construction Details

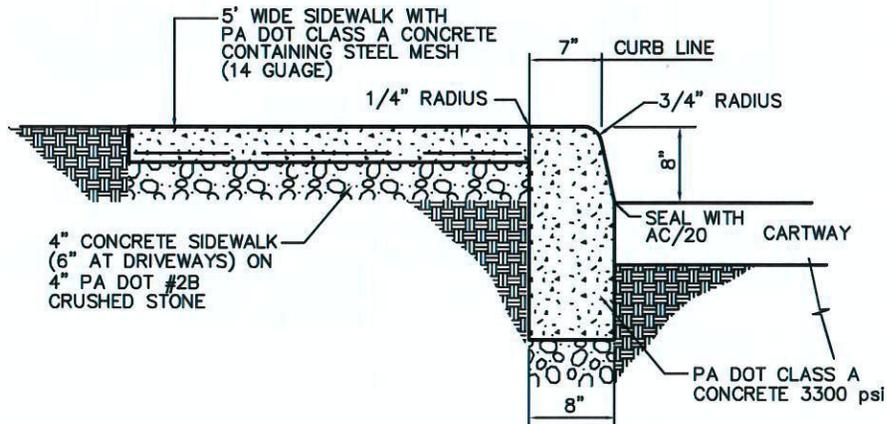


NOTE: THE L DISTANCE SHOULD BE ADEQUATE TO ACCOMMODATE TURNING VEHICLES OR A MAXIMUM OF 24'



DRIVEWAY APRON DETAIL

NO SCALE



CURB & SIDEWALK CROSS-SECTION

NO SCALE

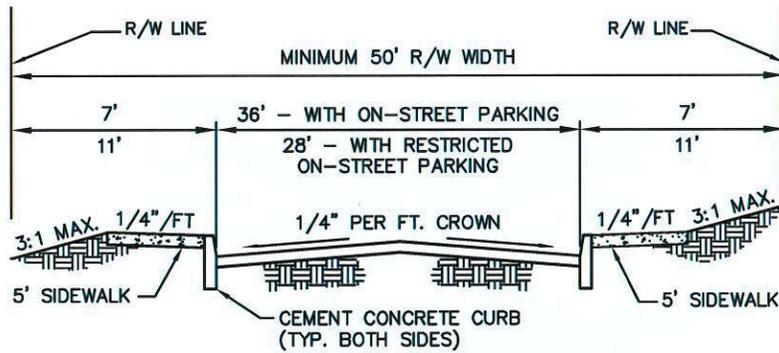
NOTE: AN ALLOWANCE FOR A GRASS STRIP BETWEEN THE CURB AND SIDEWALK MAY BE PERMITTED AS APPROVED BY WARWICK TOWNSHIP.

SUBDIVISION AND LAND DEVELOPMENT

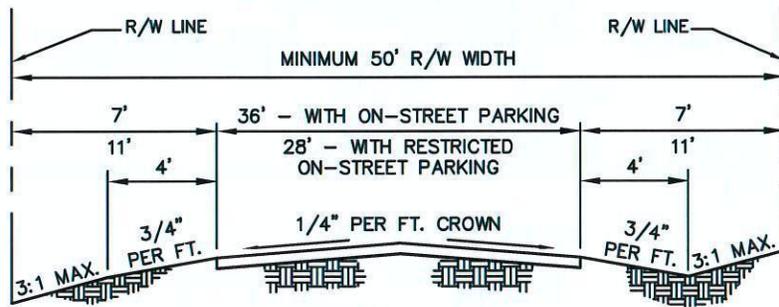
Township of Warwick

Appendix 19

Street Construction Details; Typical Local Street Cross Section



WITH CURB



WITHOUT CURB

BASE COURSE	PAVED SURFACE
4" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0 TO < 0.3 M ESALS, 25.0mm MIX 6" SUBBASE, NO. 2A	1-1/2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, RPS, PG 64-22, 0 TO < 0.3 M ESALS, 9.5mm MIX, SRL-H

NOTES:

1. ALL WORK SHALL MEET THE REQUIREMENTS OF PA DOT FORM 408, LATEST REVISION.
2. SLANT CURB MAY BE USED WHERE APPROVED BY WARWICK TOWNSHIP.
3. AN ALLOWANCE FOR A GRASS STRIP BETWEEN THE CURB AND SIDEWALK MAY BE PERMITTED AS APPROVED BY WARWICK TOWNSHIP.

TYPICAL LOCAL STREET CROSS-SECTION

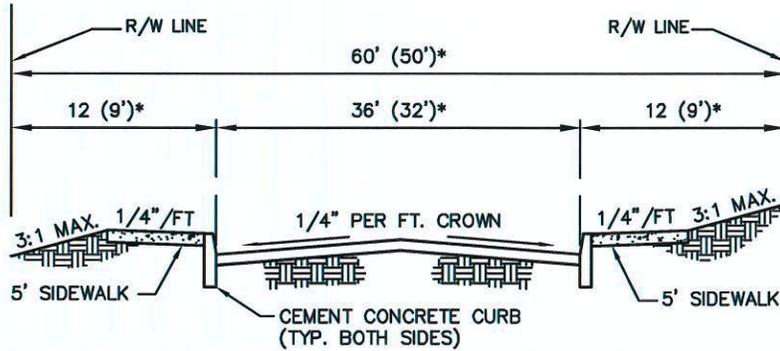
NO SCALE

SUBDIVISION AND LAND DEVELOPMENT

Township of Warwick

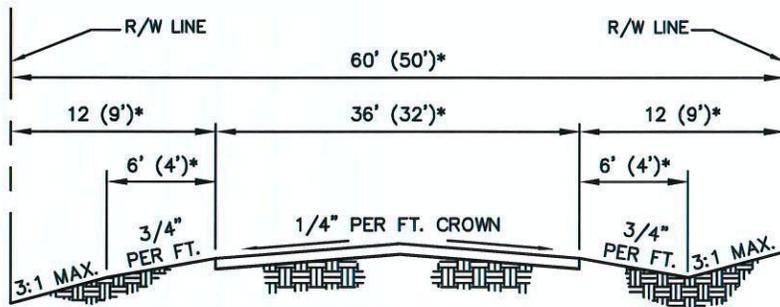
Appendix 19A

Street Construction Details; Typical Collector Street Cross Section



* DIMENSIONS FOR SPECIAL COLLECTOR STREET

WITH CURB



* DIMENSIONS FOR SPECIAL COLLECTOR STREET

WITHOUT CURB

BASE COURSE	PAVED SURFACE
4" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0 TO < 0.3 M ESALS, 25.0mm MIX 6" SUBBASE, NO. 2A	1-1/2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, RPS, PG 64-22, 0 TO < 0.3 M ESALS, 9.5mm MIX, SRL-H 2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG 64-22, 0 TO < 0.3 M ESALS, 19.0mm MIX

NOTES:

1. ALL WORK SHALL MEET THE REQUIREMENTS OF PA DOT FORM 408, LATEST REVISION.
2. SLANT CURB MAY BE USED WHERE APPROVED BY WARWICK TOWNSHIP.
3. AN ALLOWANCE FOR A GRASS STRIP BETWEEN THE CURB AND SIDEWALK MAY BE PERMITTED AS APPROVED BY WARWICK TOWNSHIP.

TYPICAL COLLECTOR STREET CROSS-SECTION

NO SCALE

Appendix 21

SAFE STOPPING SIGHT DISTANCE EASEMENT

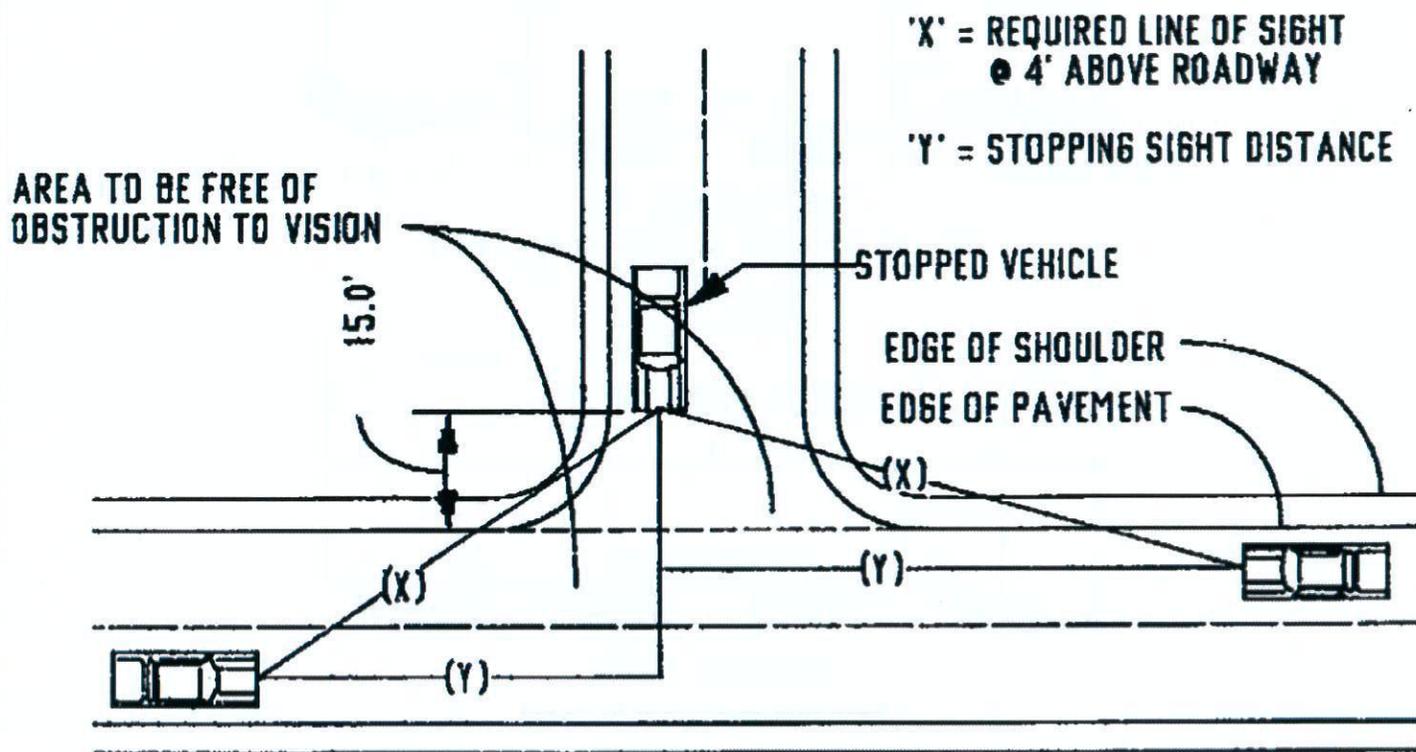
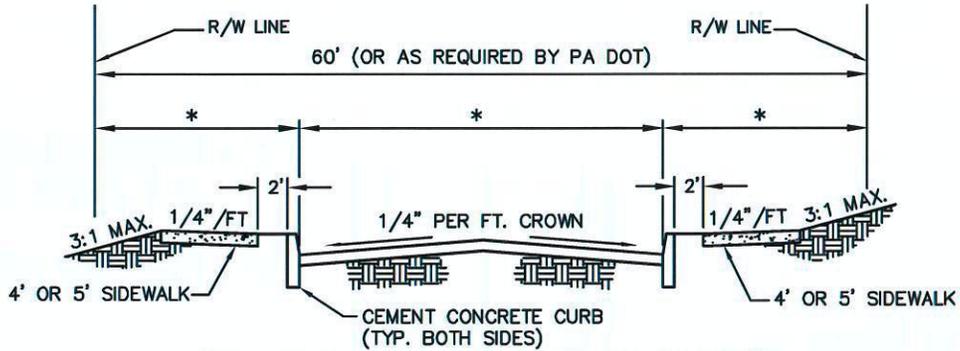


EXHIBIT E

SUBDIVISION AND LAND DEVELOPMENT

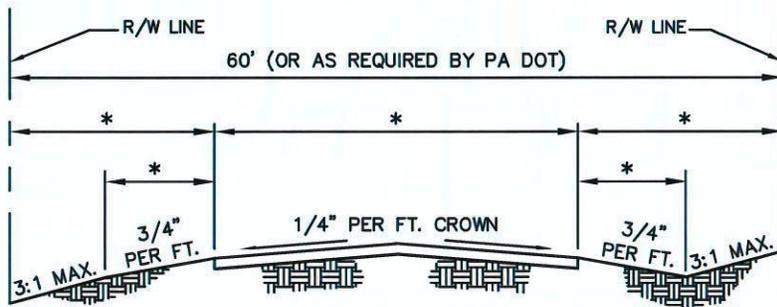
Township of Warwick

Appendix 19B
Street Construction Details; Typical Arterial Street Cross Section



NOTE: SEE BASE COURSE AND PAVING SCHEDULE BELOW
* DIMENSIONS AS REQUIRED BY PA DOT

WITH CURB



* DIMENSIONS AS REQUIRED BY PA DOT

WITHOUT CURB

BASE COURSE	PAVED SURFACE
4" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0.3 TO < 3 M ESALS, 25.0mm MIX 8" SUBBASE, NO. 2A	2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, RPS, PG 64-22, 0.3 TO < 3 M ESALS, 9.5mm MIX, SRL-H 2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG 64-22, 0.3 TO < 3 M ESALS, 19.0mm MIX

NOTES:

1. ALL WORK SHALL MEET THE REQUIREMENTS OF PA DOT FORM 408, LATEST REVISION.
2. SLANT CURB MAY BE USED WHERE APPROVED BY WARWICK TOWNSHIP.
3. AN ALLOWANCE FOR A GRASS STRIP BETWEEN THE CURB AND SIDEWALK MAY BE PERMITTED AS APPROVED BY WARWICK TOWNSHIP.

TYPICAL ARTERIAL STREET CROSS-SECTION

NO SCALE