

TECHNICAL SPECIFICATIONS AND STANDARD DETAILS

TABLE OF CONTENTS

Article I	Construction	1
Article II	Street Classifications	1
Article III	Typical Details	2
	Table 1 Street Specs	2
	Table 2 Pavement Designation	2
	Figure 1 Driveway Grade	3
	Figure 2 Typical Street Cross Section	4
	Figure 3 Vertical Curb	5
	Figure 4 Slant Curb	6
	Figure 5 Concrete Sidewalk	7
	Figure 6 Vertical Curb End Treatment	8
	Figure 7 Slant Curb Transition Detail	9
	Figure 8 Typical Widening of Township Roads Along Proposed Developments	10
	Figure 9 Pavement Restoration	11
	Figure 10 Trench Restoration	12
	Figure 11 Traffic Signal Design	13
Article IV	Notes	14
Article V	Complete Streets Policy	14
	Sketch Plan Application	15
	Preliminary/Final Application	16
	Certification of Accuracy	17
	Storm Drainage Plan Certification	17
	Certificate of Ownership, Acknowledgment of Plan, and Offer of Dedication (Landowner is an Individual)	18
	Certificate of Ownership, Acknowledgment of Plan, and Offer of Dedication (Landowner is a Partnership)	19
	Certificate of Ownership, Acknowledgment of Plan, and Offer of Dedication (Landowner is a Corporation)	20
	Certificate for Approval by the Board of Supervisors	21
	Certificate for review by the Planning Commission	21
	Certificate for review by the Township Engineer	21
	Lancaster County Planning Department's Review Certificate	22
	Lancaster County Planning Department's Certificate for Plan reviewed in accordance with Memorandum of Understanding between the Lancaster County Planning Commission and Township	23
	Plan Signature/Recording Procedure	24

East Lampeter Township Technical Specifications and Standard Details

ARTICLE I. CONSTRUCTION

- A. All curbs shall conform to specifications for Class A Concrete, as specified by the Pennsylvania Department of Transportation.
- B. Depressed curb at driveways shall be no higher than one and one-half (16) inch above the street surface. The length of this depressed curb shall not exceed thirty-five (35) feet without a safety island. This safety island shall not be less than fifteen (15) feet in length. Pipes or grates or other construction shall not be placed in the gutter to form a driveway ramp. All curbs shall have S and W for Sewer and Water stamped at the location of laterals.
- C. All sidewalks shall conform to specifications for Class A Concrete as specified by the Pennsylvania Department of Transportation.

ARTICLE II. Street Classifications

The following streets located within East Lampeter Township shall be classified in the following categories:

Principal Arterial

US Route 30
PA Route 23

Arterial

PA Route 462
PA Route 340

Major Collector

PA Route 896
Millport Road
Strasburg Pike (SR 2029)
N. Oakview Road (SR 2043)
Greenfield Road (SR
Pitney Road (SR 3028)
(from 462 to Hempstead
Road)
Lampeter Road (SR 3028)
Hempstead Road

Major Collector

Willow Road (from
Greenfield Road to Pine
Drive)
Pine Drive (from Willow
Road to Route 23)
Horseshoe Road (SR 1003)
Mount Sidney Road (SR
1005)
Witmer Road

Minor Collector

Willow Road (from Pine Drive to Route 23)
N. Ronks Road (SR 2045)
Stumptown Road
Pine Drive (Willow Road to Millcross Road)
Millcross Road

Local Collector

Willow Road (Horseshoe Road to Pine
Drive)
Pitney Road (Hempstead Road to Greenfield
Road)
Rockvale Road
Hartman Station Road
Creek Hill Road (Willow Road to Twp. line)
Mondale Road

*All streets not listed shall be classified as "Local Streets".

ARTICLE III. Typical Details

Table 1 - Street Specifications

Street Type	Width of Right-of-Way (a)	Width of Cartway, Slope (b)	Vertical Curb Reveal (c)	Sidewalk Width (d)	Grass Planting Strip (minimum) (e)
Local	50'	27', 2%	6" (slant curb where permitted by section 504.C)	5'	2'
Marginal Access	50'	34', 2%	6"	5'	2'
Private (on-street parking)	-	34'	6"	5'	2'
Private (off-street parking)	-	24'	6"	5'	2'
Collector	60'	36', 2%	8"	5'	5'
Arterial	100'	24'*, 2%	8"	5'	5'

*The developer is required only to build the first 24' feet of the required cartway width.

Table 2 -Pavement Designation

Local and Marginal Access Streets

ID	Depth*	Course Description	AGG.	PG
A	1.5"	SAMD, HMA Wearing Course, SRL H	9.5mm	64-22
B	2"	SAMD, HMA Binder Course	19.5mm	64-22
C	4"	SAMD, HMA Base Course	25mm	64-22
D	6"	PADOT 2A Coarse Aggregate		

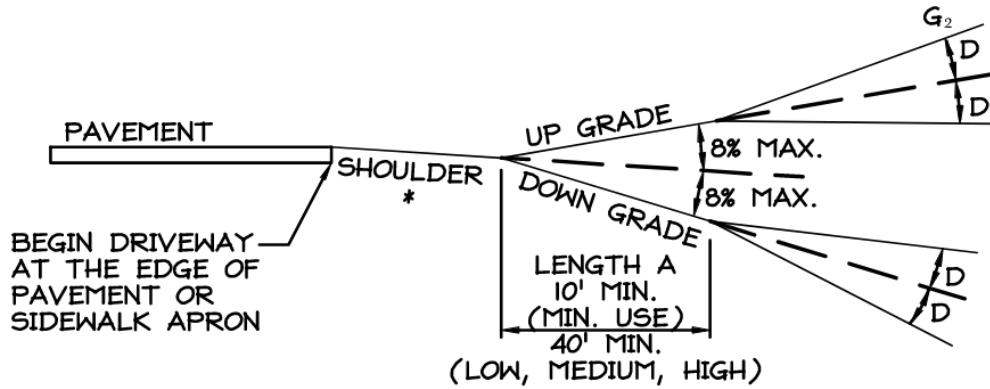
Collector & Arterial Streets

ID	Depth*	Course Description	AGG.	PG
A	2"	SAMD, HMA Wearing Course, SRL H	12.5mm	64-22
B	3"	SAMD, HMA Binder Course	19.5mm	64-22
C	5"	SAMD, HMA Base Course	25mm	64-22
D	6"	PADOT 2A Coarse Aggregate		

SAMD – Superpave Asphalt Mixture Design

*Minimum compacted depth

Figure 1 - Driveway Grade



* THE SHOULDER SLOPE USUALLY VARIES FROM 1/2" PER FT. (4%) TO 3/4" PER FT. (6%). HOWEVER, THE SHOULDER SLOPE SHOULD BE MAINTAINED WHEN CONSTRUCTING THE DRIVEWAY.

FOR GRADING CHANGES GREATER THAN THOSE SHOWN ABOVE, VERTICAL CURVES AT LEAST 10 FEET LONG SHALL BE CONSTRUCTED AND LENGTH "A" SHALL BE INCREASED.

GRADES (G₂) SHALL BE LIMITED TO 15% FOR MINIMUM USE OF DRIVEWAYS AND FROM FIVE PERCENT TO EIGHT PERCENT FOR LOW, MEDIUM, OR HIGH VOLUME DRIVEWAYS WITHIN THE RIGHT-OF-WAY.

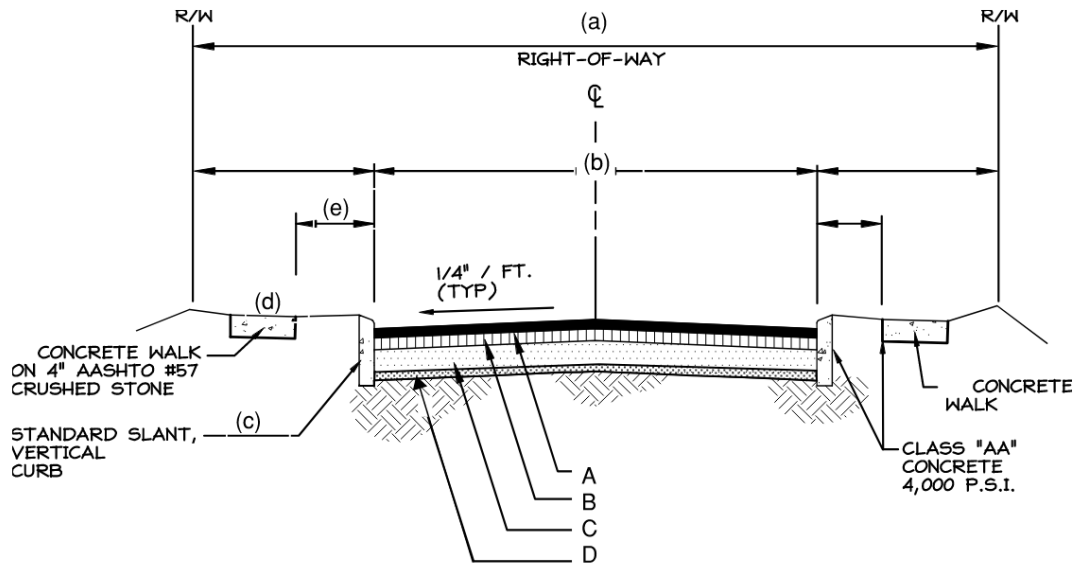
MAXIMUM GRADE CHANGE (D)

	<u>DESIRABLE</u>	<u>MAXIMUM</u>
HIGH VOLUME DRIVEWAY	0%	±3%
MEDIUM VOLUME DRIVEWAY	±3%	±6%
LOW VOLUME DRIVEWAY	±6%	CONTROLLED BY VEHICLE CLEARANCE OR MAX. 8%

DRIVEWAY SLOPE GUIDELINES

NO SCALE

Figure 2 - Typical Street Cross Section

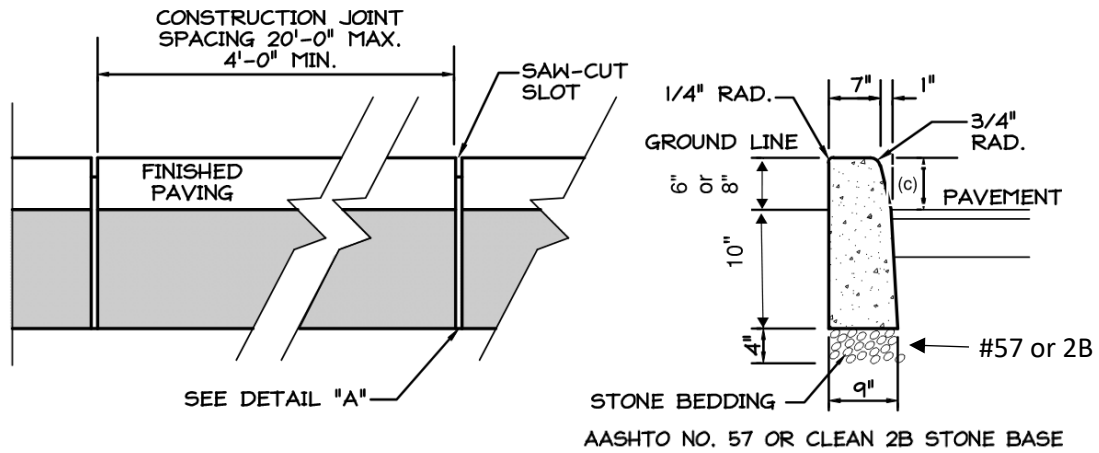


* MINIMUM COMPACTED DEPTH

TYPICAL STREET CROSS SECTION

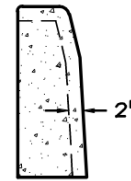
NO SCALE

Figure 3 - Vertical Curb



NOTES:

1. CURB STRUCTURE, MINIMUM 4,000 P.S.I. CONCRETE.
2. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PA D.O.T. PUBLICATION 408, LATEST EDITION.
3. SPACE CONSTRUCTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
4. PLACE 3/4" PREMOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF WORK DAY.



DETAIL "A"

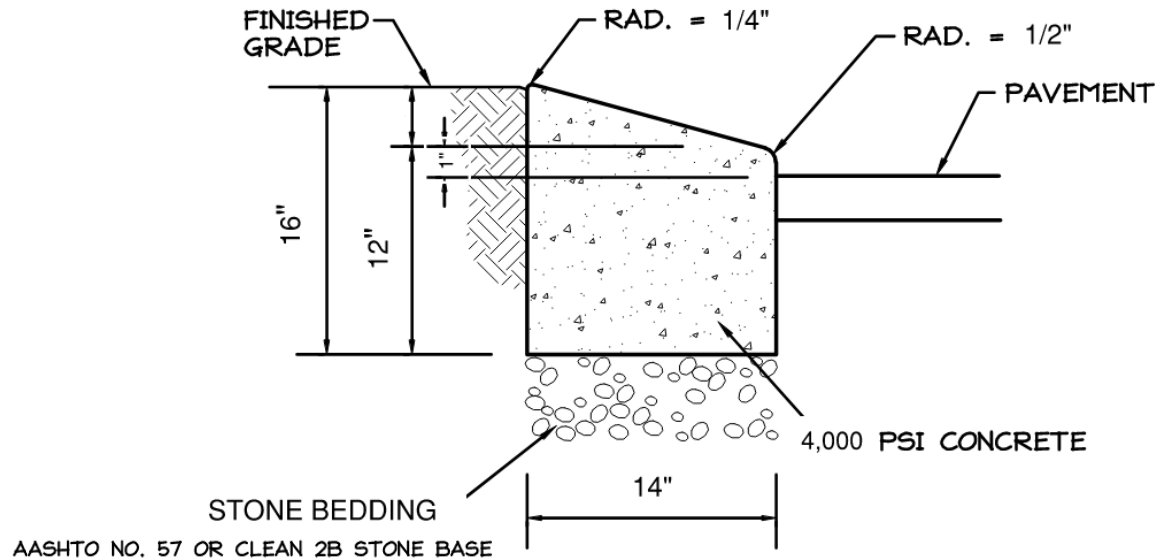
CONCRETE VERTICAL CURB

NO SCALE

Figure 4 - Slant Curb

NOTES:

1. MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH PA D.O.T. PUBLICATION 408, LATEST EDITION
2. SPACE CONSTRUCTION JOINTS IN UNIFORM LENGTHS OR SECTIONS
3. PLACE 3/4" PREMOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY



CONCRETE SLANT CURB

NO SCALE

NOTES:

1. EXPANSION JOINTS LOCATED AT 24' O.C. MAXIMUM
2. TOOLED JOINTS LOCATED AT INCREMENTS EQUAL TO WALK WIDTH
3. SIDEWALK TO BE LIGHTLY BROOM FINISHED IN DIRECTION OF SIDEWALK WIDTH

(d)₁

The diagram shows a cross-section of a sidewalk. The top layer is a concrete slab, 4 inches thick, with a broom finish. Below the concrete is a 4-inch layer of AASHTO No. 57 or clean 2B stone base. The base is supported by a thoroughly compacted subgrade. The concrete slab has a 1/4-inch radius on all exposed edges. A 6x6 inch 10/10 wire mesh (WWR) is embedded in the concrete. A 1-inch minimum clearance is required on all sides of the stone base. A detail view shows a 1/2-inch pre-molded expansion joint filler, recessed 1/2 inch from the surface, with a 1/4-inch tooled or sawcut joint 1/2 inch to 1 inch deep.

1/4" RADIUS ALL EXPOSED EDGES

6"x6" 10/10 WWR

BROOM FINISH

(4" THICK, 6" THICK AT DRIVEWAYS, 4,000 PSI CONCRETE)

(4)" AASHTO NO. 57 OR CLEAN 2B STONE BASE

1" MIN CLEARANCE ALL SIDES

4"

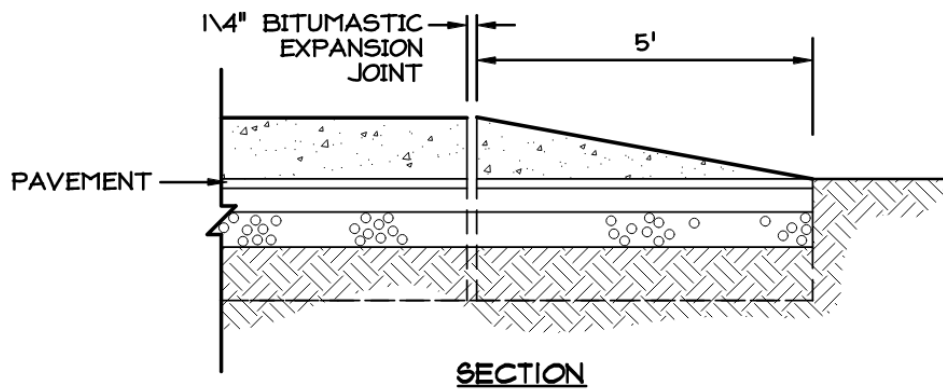
THOROUGHLY COMPACTED SUBGRADE

1/4" TOOLED OR SAWCUT JOINT 1/2" TO 1" DEEP

1/2" PRE-MOLDED EXPANSION JOINT FILLER (RECESS 1/2" FROM SURFACE)

NO SCALE

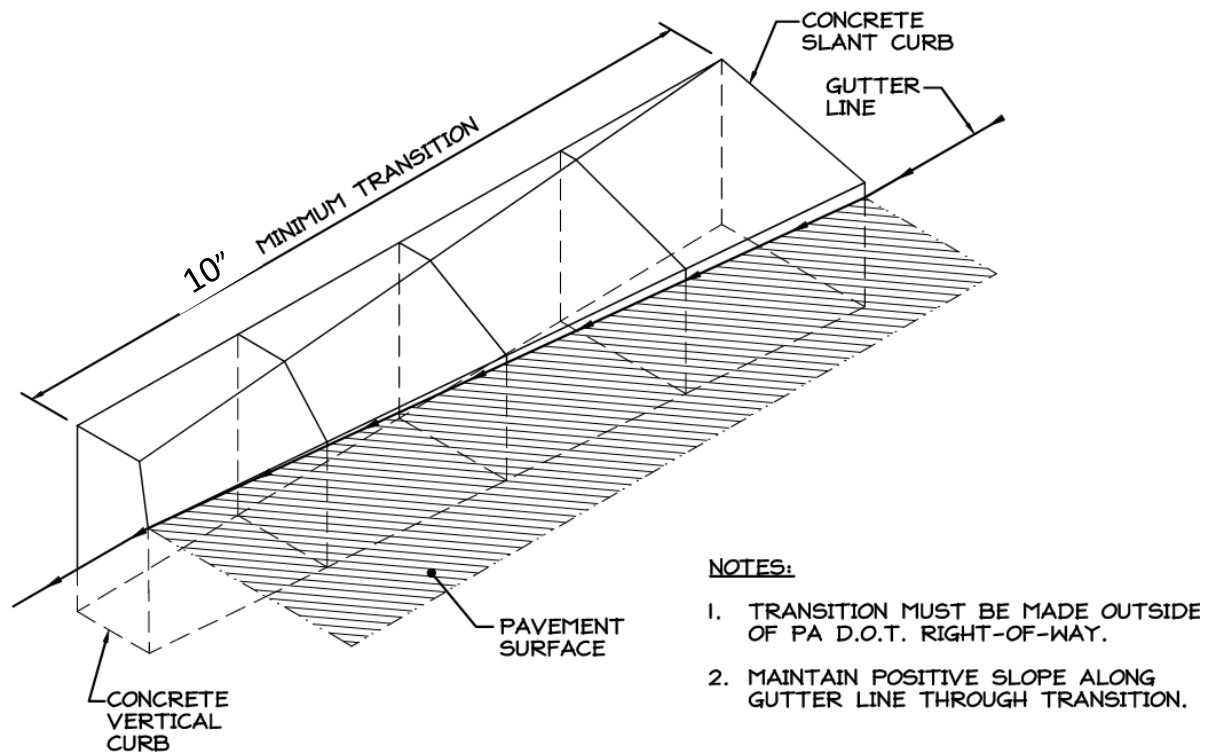
Figure 6 - Vertical Curb End Treatment



CONCRETE CURB TAPER

NO SCALE

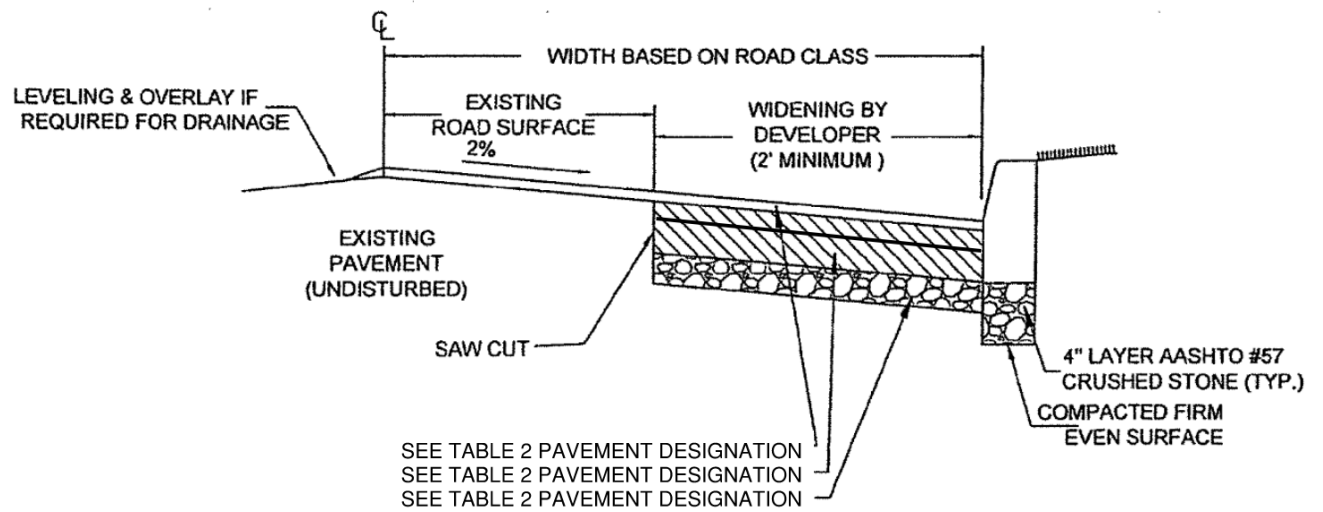
Figure 7 - Slant Curb Transition Detail



**CURB TRANSITION-SLANT TO VERTICAL
(ON TANGENT)**

NO SCALE

Figure 8 - Typical Widening of Township Roads Along Proposed Developments



PAVEMENT WIDENING DETAIL

(NOT TO SCALE)

Figure 9 - Pavement Restoration

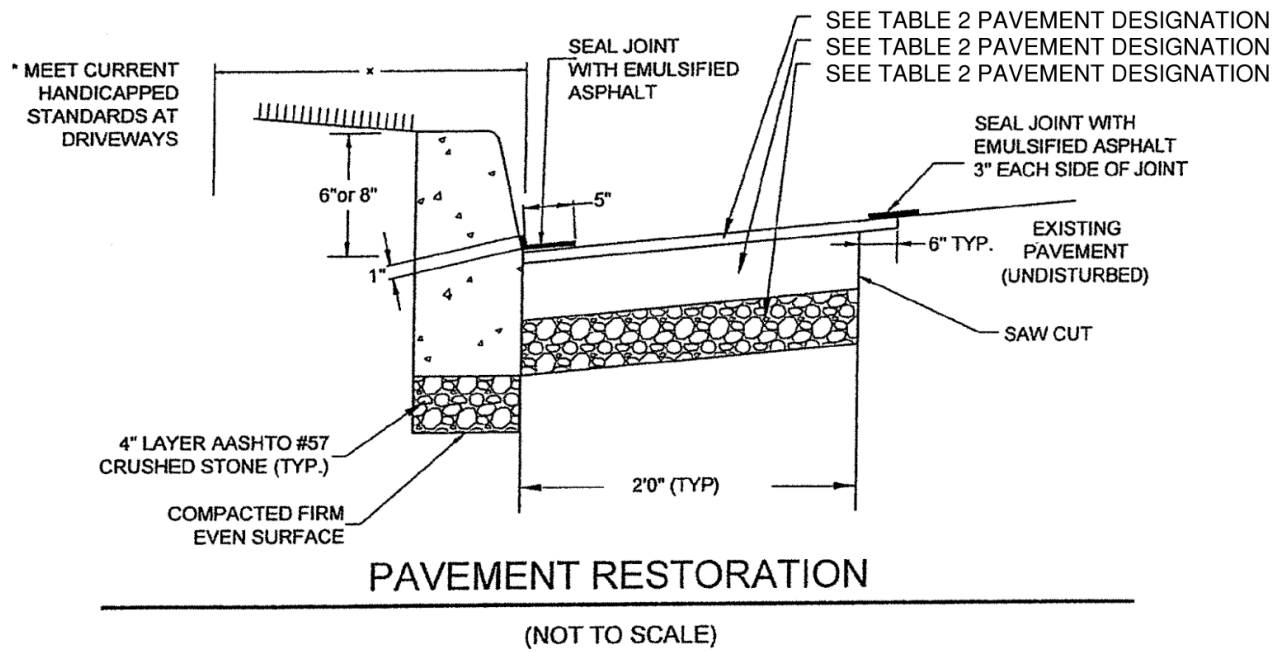
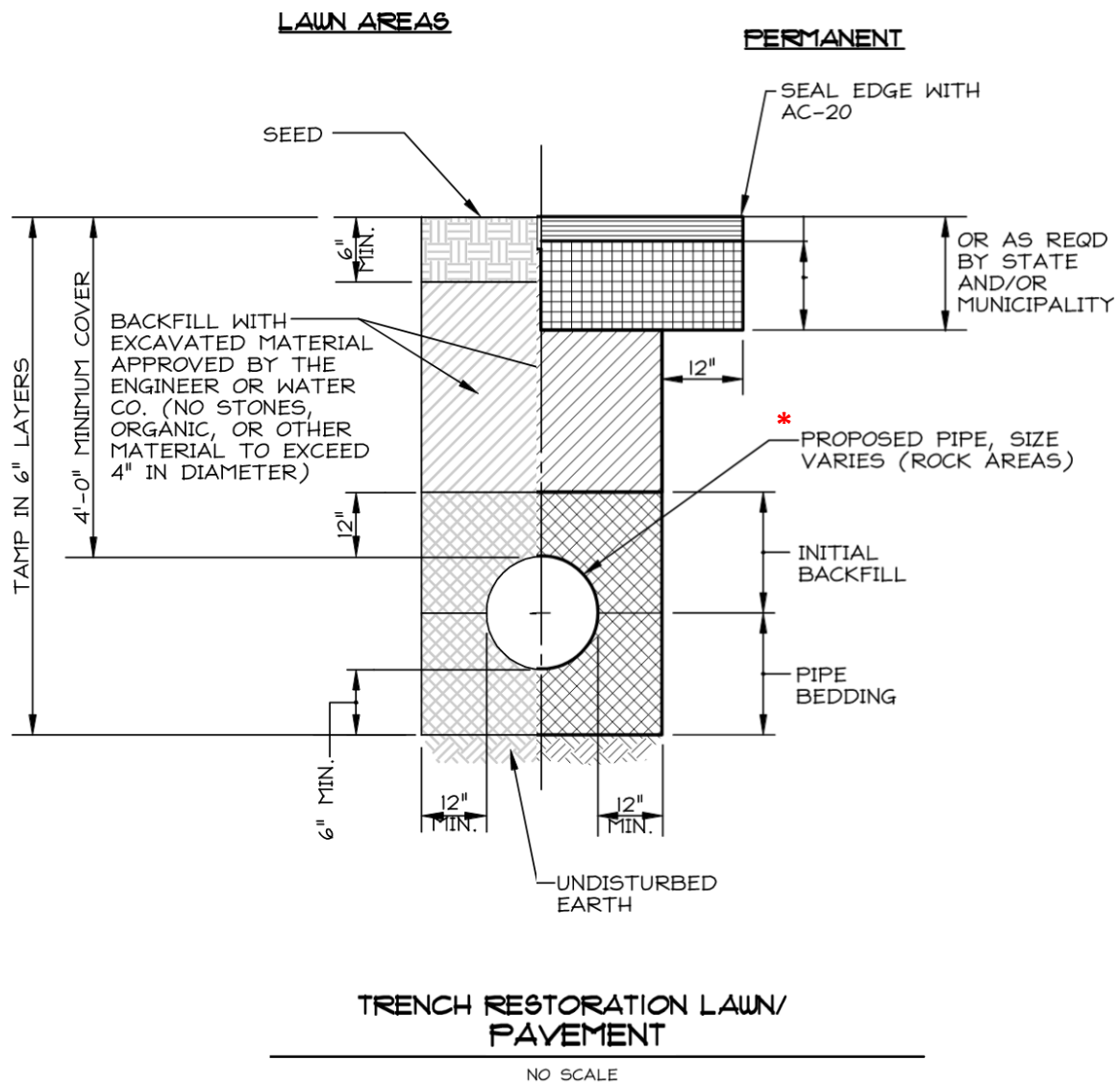


Figure 10 - Trench Restoration



*Pipes to be installed in accordance with the East Lampeter Sewer Authority Specifications

Figure 11 – Traffic signal design

East Lampeter Township Traffic Signal Specifications

Controller	Econolite Cobalt Plug for Generator
Detection	Econolite Autoscope Video Detector Wavetronix Radar Detector Opticom Emergency Vehicle Preemption
Signals	LED Traffic Signals/Arrows Hand/Man LED Pedestrian Signals w/ Countdown Timers Signal Backplates with Yellow Retroreflective border
Coordination	Econolite Centrac System Software Fiber-optic cable
Miscellaneous	ADA Compliant Pedestrian Pushbuttons Meets TC-8800 Series Standards

This equipment and/or software shall be used for all traffic signal installations in the Township. The newest version, series, and/or release of these items shall be used.

ARTICLE IV. Notes

1. All areas adjacent to curbs, inlets, manhole covers, etc. are to be sealed with AC-20 for a distance of 12" from the curb, etc.
2. The Township or its agents shall inspect all work at each construction stage prior to acceptance.
3. Materials, equipment, and methods shall conform to the newest PENNDOT Form 408 or Township regulations.
4. Storm drainage facilities shall be installed in accordance with the East Lampeter Township Stormwater Management Ordinance.
5. All obstructions (gas pipe, water pipes, manholes, catch-basins, etc.) must be 1/8" to 1/4" below finished street surface.
6. No wearing course shall be placed until all building construction is completed on the site.
7. No open cuts permitted on finished street surface for five (5) years.
8. All new streets shall be cored during normal inspection by the Township.
9. Rolled curbs are not permitted.

ARTICLE V. Complete Streets Policy

The Board of Supervisors of East Lampeter Township has adopted a "Complete Streets Policy" (Resolution # 2022-07) to better integrate physical activity into the daily lives of those who live in, work in, and visit East Lampeter Township. "Complete Streets" are streets that are safe, convenient, and context sensitive for all users, including pedestrians, bicyclists, public transportation riders, and motor vehicle drivers of all ages and abilities.

East Lampeter Township has resolved to commit to a Complete Streets Policy that may have the following elements:

- 1) Any roadway in East Lampeter Township which to be newly constructed or completely reconstructed to:
 - a. Provide for the safety and convenience of all users of all ages and of all abilities: pedestrians, bicyclists, transit users, and motorists; and
 - b. Address the needs of all users both along roadway corridors and crossing the corridors.
- 2) Any project in which an existing roadway surface is to be restored or rehabilitated, and any remediation of deficient or non-existent sidewalks, shall be reviewed for the potential of making the roadway a complete street. Consideration shall particularly include proportionality: is the scope of work needed to make a complete street reasonable in relation to the scope of the proposed roadway maintenance or improvements?
- 3) Any exception to applying this Complete Streets Policy to a specific roadway project must be approved by the Board of Supervisors of East Lampeter Township, with documentation of the reason for the exception.
- 4) This Complete Streets Policy will apply to the scoping, design, and construction of projects.
- 5) Recognized Complete Street design standards shall also serve as guidance for all existing roadway rehabilitation, reconstruction, or resurfacing, to the extent that the work required is reasonably proportional to the scale of the proposed rehabilitation, reconstruction, or resurfacing.

SKETCH APPLICATION DATA SHEET
EAST LAMPETER TOWNSHIP
SUBDIVISION AND LAND DEVELOPMENT ORDINANCE

1. Date of Application _____
2. Name of development _____
Plan no. _____ Date of Plan _____
3. Location of Development _____
4. Name of Property Owner(s) _____
Address _____
Phone No. _____
Email _____
5. Name of Applicant (if not owner) _____
Address _____
Phone No. _____
Email _____
6. Firm which prepared plan _____
7. Registered Engineer, Surveyor or Landscape Architect _____
Address _____
Phone No. _____
Email _____
8. Total Acreage _____ No of Units _____ Avg. Size/ Lot or Unit _____
9. Type of Water Supply _____
10. Type of Sewage Disposal _____
11. Proposed Use of Land _____
12. Acreage proposed for park or public use _____
13. Estimated acreage of adjoining lands of owner _____
14. Lineal feet of new streets _____
15. Date Plans have been submitted to the LCPD _____

Signature of Applicant

Date

PRELIMINARY/FINAL APPLICATION DATA SHEET
EAST LAMPETER TOWNSHIP
SUBDIVISION AND LAND DEVELOPMENT ORDINANCE

1. Date of Application _____
2. Name of development _____
Plan no. _____ Date of Plan _____
3. Location of Development _____
4. Name of Property Owner(s) _____
Address _____
Phone No. _____
Email _____
5. Name of Applicant (if not owner) _____
Address _____
Phone No. _____
Email _____
6. Firm which prepared plan _____
7. Registered Engineer, Surveyor or Landscape Architect _____
Address _____
Phone No. _____
Email _____
8. Total Acreage _____ No of Units ____ Avg. Size/ Lot or Unit _____
9. Type of Water Supply _____
10. Type of Sewage Disposal _____
11. Proposed Use of Land _____
12. Acreage proposed for park or public use _____
13. Estimated acreage of adjoining lands of owner _____
14. Lineal feet of new streets _____
15. Are all streets proposed for dedication _____
16. Date Plans have been submitted to the LCPD _____

Signature of Applicant

Date

CERTIFICATION OF ACCURACY

I hereby certify that, to the best of my knowledge, the survey and plan shown and described hereon is true and correct to the accuracy required by the East Lampeter Township Subdivision and Land Development Ordinance.

_____, 20____*

**

*Signature of the registered professional responsible for the preparation of the plan

** Seal of the individual

STORM DRAINAGE PLAN CERTIFICATION

I hereby certify that, to the best of my knowledge, the storm water management facilities shown and described hereon are designed in conformance with the East Lampeter Township Storm Water Management Ordinance.

_____, 20____*

**

*Signature of the registered professional responsible for the preparation of the storm drainage plan.

** Seal of the individual

CERTIFICATE OF OWNERSHIP, ACKNOWLEDGMENT OF PLAN, AND OFFER OF DEDICATION

(Landowner is an Individual)

COMMONWEALTH OF PENNSYLVANIA
CITY OF LANCASTER

on this, the _____ day of _____, 20____, before me, the undersigned
officer, personally appeared

who being duly sworn according to law, deposes and says that he is the
* _____ of the property shown on this plan, that the plan thereof
was made at his direction, that he acknowledges the same to be his act and plan, that he
desires the same to be recorded, and that all streets and other property identified as proposed
public property (excepting those areas labeled " NOT FOR DEDICATION") are hereby dedicated
to the public use.

** _____

*** _____

My Commission Expires _____, 20

* Identify Ownership or Equitable Ownership

** Signature of the Individual

*** Signature and Seal of Notary Public or other officer authorized to acknowledge deeds.

CERTIFICATE OF OWNERSHIP, ACKNOWLEDGMENT OF PLAN, AND OFFER OF DEDICATION

(Landowner is a Partnership)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF LANCASTER

on this, the _____ day of _____, 20____, before me, the undersigned officer, personally appeared _____, being one of the firm of _____, who being duly sworn according to law, deposes and says that the co-partnership is the * of the property shown on this plan, that the plan thereof was made at its direction, that it acknowledges the same to be its act and plan and desires the same to be recorded, and that all street and other property identified as proposed public property (excepting those areas labeled "NOT FOR DEDICATION") are hereby dedicated to the public use.

** _____

*** _____

My Commission Expires _____, 20_____.

* Identify Ownership or Equitable Ownership

** Signature of the Individual

*** Signature and Seal of Notary Public or other officer authorized to acknowledge deeds.

CERTIFICATE OF OWNERSHIP, ACKNOWLEDGMENT OF PLAN, AND OFFER OF DEDICATION

(Landowner is a Corporation)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF LANCASTER

On this, the _____ day of _____, 20____, before me, the undersigned officer, personally appeared _____, being * _____ of ** _____, who being duly sworn according to law, deposes and says that the corporation is the *** _____ of the property shown on this plan, that he is authorized to execute said plan on behalf of the corporation, that the plan is the act and deed of the corporation, that the corporation desires the same to be recorded and on behalf of the corporation further acknowledges, that all streets and other property identified as proposed public property are hereby dedicated to the public use - (excepting those areas labeled "NOT FOR DEDICATION").

My Commission Expires _____, 20

* Individual's Title

** Name of Corporation

*** Identify Ownership or Equitable Ownership

**** Signature of Individual

***** Corporate Seal

***** Signature and Seal of Notary Public or other officer authorized to acknowledge deeds.

CERTIFICATE FOR APPROVAL BY THE BOARD OF SUPERVISORS

By resolution of this _____ day of _____, 20_____, the
East Lampeter Township Board of Supervisors approved this project, including the complete set
of plans and information in Township File No. _____.

CERTIFICATE FOR REVIEW BY THE PLANNING COMMISSION

Reviewed by the East Lampeter Township Planning Commission on this _____ day of
_____, 20_____.

CERTIFICATE FOR REVIEW BY THE TOWNSHIP ENGINEER

Reviewed by the East Lampeter Township Engineer on this _____ day of
_____, 20_____.

LANCASTER COUNTY PLANNING DEPARTMENT'S REVIEW CERTIFICATE

This Plan, bearing LCPC File No. _____, was reviewed by staff of the Lancaster County Planning Department on _____, 20____ as required by the Pennsylvania Municipalities Planning Code, Act 247, of 1968, as amended. This certificate does not represent nor guarantee that this plan complies with the various ordinances, rules, regulations, or laws of the local municipality, the commonwealth, or the federal government.

*

* Signature of the Chairperson or their designee

LANCASTER COUNTY PLANNING DEPARTMENT'S CERTIFICATE FOR PLAN
REVIEWED IN ACCORDANCE WITH MEMORANDUM OF UNDERSTANDING
BETWEEN THE LANCASTER COUNTY PLANNING COMMISSION AND
TOWNSHIP/BOROUGH/CITY

This Plan, bearing LCPC File No. _____, reviewed by the Lancaster County Planning
Department this day of ____ ____, 20____.

*

* Signature of the Chairperson or their designees

PLAN SIGNATURE/RECORDING PROCEDURE

1. After Board of Supervisor Approval, submit final plans for review to the Township Engineer.
2. The Township Engineer will review the plans for compliance. If complete and there are no additional revisions required, the Township engineer will sign and deliver the plans to the Township for Planning Commission and Board of Supervisor signature and Township seal.
3. The Township will notify the applicant when the plans are ready for pickup and recording.
4. After recording by the applicant, provide the Township with a hard copy and digital copy of the final recorded plan.