



STANDARD CONSTRUCTION DETAILS

ADOPTED FEBRUARY 10, 2025

RESOLUTION # 4-2025



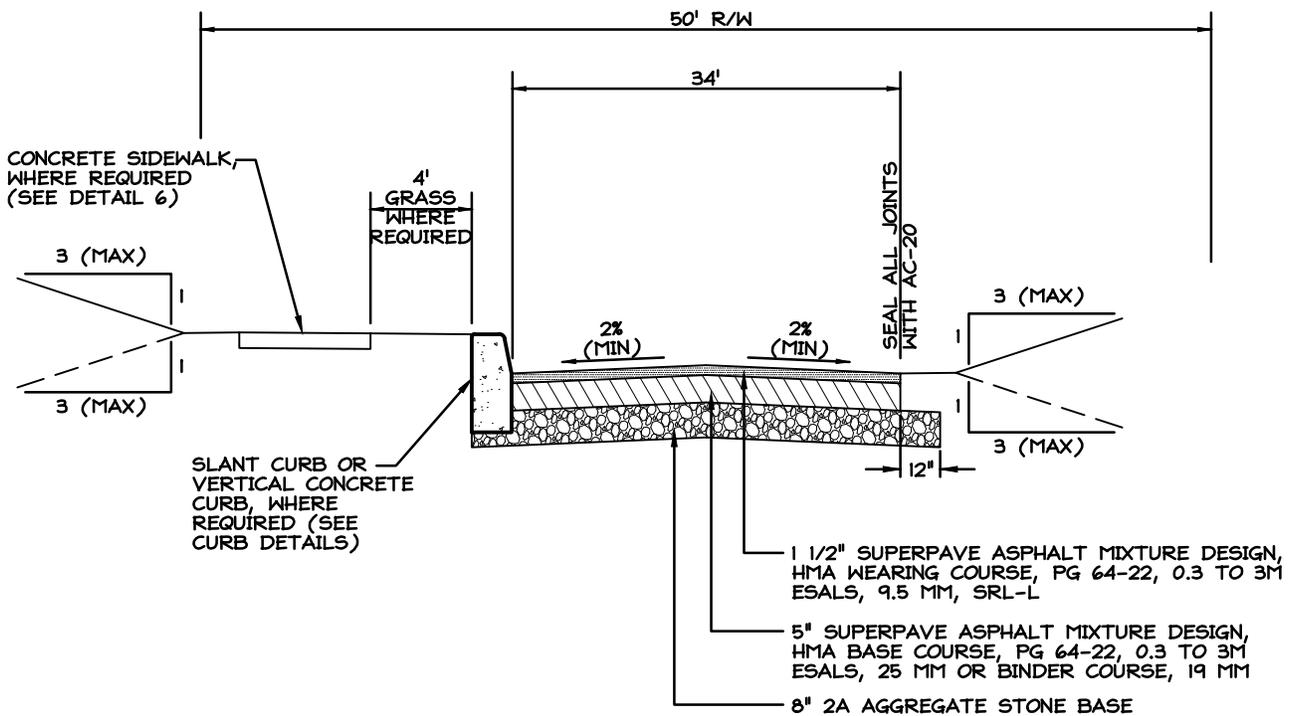
ELIZABETH TOWNSHIP STANDARD DETAILS

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NOTES:

1. ALL PAVING OF SUPERPAVE MUST BE PERFORMED BETWEEN APRIL 1ST AND OCTOBER 15TH FOR LIQUID FUELS ELIGIBILITY. THERE ARE NO EXCEPTIONS TO THE REGULATION.
2. THE BASE COURSE/BINDER COURSE SHALL BE INSTALLED IN TWO LIFTS.
3. THE MAXIMUM LIFTS FOR THE INSTALLATION OF BITUMINOUS MATERIAL SHALL BE FOUR INCHES (4") FOR BASE COURSES, THREE INCHES (3") FOR BINDER COURSES, AND ONE AND ONE HALF INCHES (1.5") FOR 9.5 MM WEARING COURSE.
4. ALL VERTICAL PAVEMENT JOINTS SHALL BE STAGGERED BY A MINIMUM DISTANCE OF ONE FOOT (1').
5. TACK COAT SHALL BE APPLIED AS DIRECTED BY THE TOWNSHIP ENGINEER.
6. LOCAL STREETS SHALL HAVE A CARTWAY WIDTH OF THIRTY FOUR FEET (34') WITH CURB. LEGAL RIGHT-OF-WAY WIDTH SHALL BE FIFTY FEET (50').



TYPICAL PAVING SECTION: LOCAL STREETS

NO SCALE

STANDARD CONSTRUCTION DETAILS

ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #1

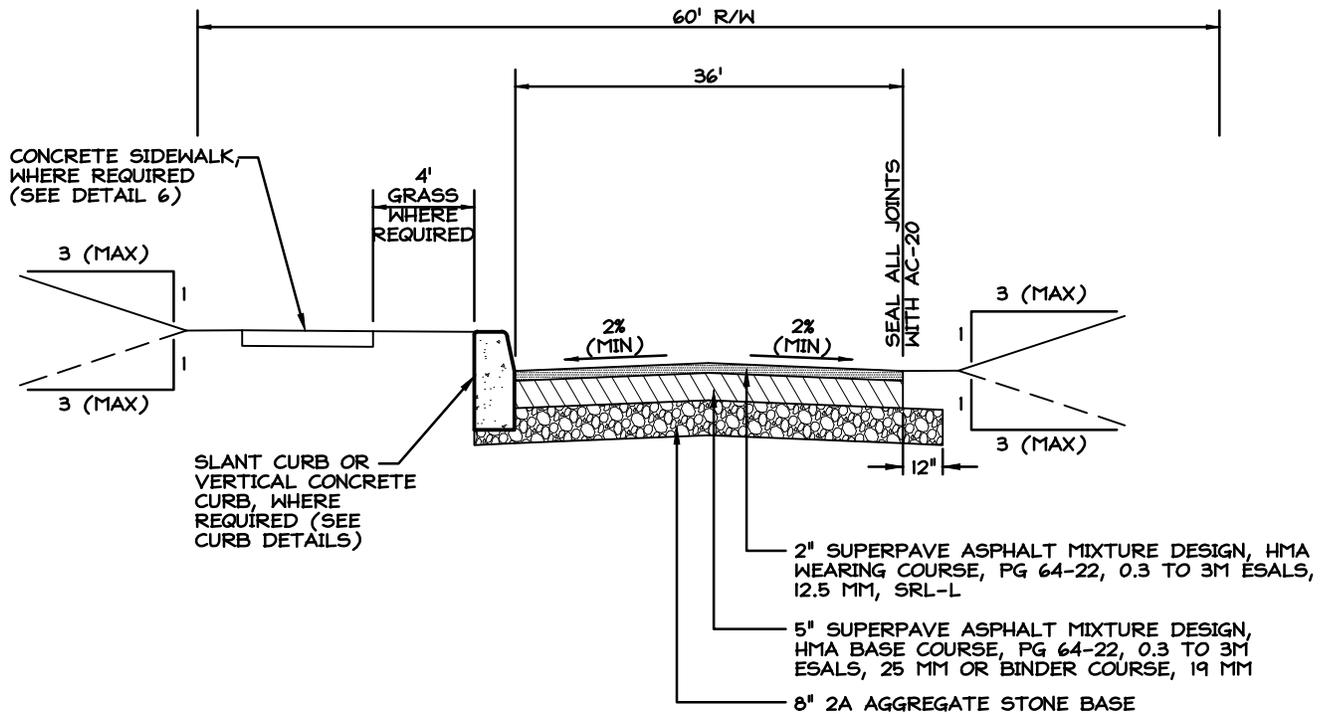


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NOTES:

1. ALL PAVING OF SUPERPAVE MUST BE PERFORMED BETWEEN APRIL 1ST AND OCTOBER 15TH FOR LIQUID FUELS ELIGIBILITY. THERE ARE NO EXCEPTIONS TO THE REGULATION.
2. THE MAXIMUM LIFTS FOR THE INSTALLATION OF BITUMINOUS MATERIAL SHALL BE FOUR INCHES (4") FOR BASE COURSES, THREE INCHES (3") FOR BINDER COURSES AND TWO INCHES (2") FOR WEARING COURSES.
3. ALL VERTICAL PAVEMENT JOINTS SHALL BE STAGGERED BY A MINIMUM DISTANCE OF ONE FOOT (1').
4. TACK COAT SHALL BE APPLIED AS DIRECTED BY THE TOWNSHIP ENGINEER.
5. COLLECTOR ROADS SHALL HAVE A CARTWAY WIDTH OF THIRTY SIX FEET (36') WITH CURB. LEGAL RIGHT-OF-WAY WIDTH SHALL BE SIXTY FEET (60').



TYPICAL PAVING SECTION: COLLECTOR ROADS

NO SCALE

STANDARD CONSTRUCTION DETAILS

ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #2

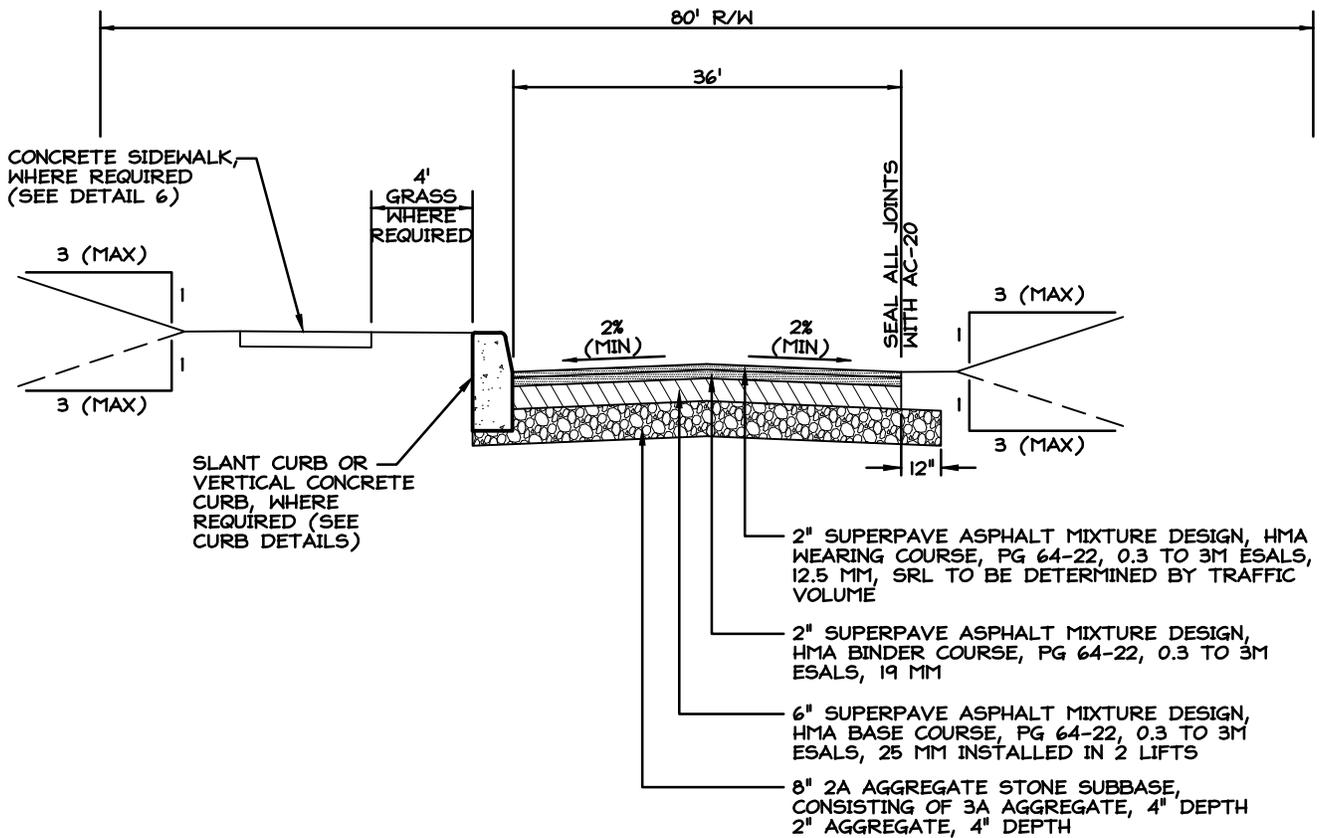


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NOTES:

1. ALL PAVING OF SUPERPAVE MUST BE PERFORMED BETWEEN APRIL 1ST AND OCTOBER 15TH FOR LIQUID FUELS ELIGIBILITY. THERE ARE NO EXCEPTIONS TO THE REGULATION.
2. THE MAXIMUM LIFTS FOR THE INSTALLATION OF BITUMINOUS MATERIAL SHALL BE FOUR INCHES (4") FOR BASE COURSES, THREE INCHES (3") FOR BINDER COURSES AND TWO INCHES (2") FOR WEARING COURSES.
3. ALL VERTICAL PAVEMENT JOINTS SHALL BE STAGGERED BY A MINIMUM DISTANCE OF ONE FOOT (1').
4. TACK COAT SHALL BE APPLIED AS DIRECTED BY THE TOWNSHIP ENGINEER.
5. ARTERIAL ROADS SHALL HAVE A CARTWAY WIDTH OF THIRTY SIX FEET (36') WITH CURB. LEGAL RIGHT-OF-WAY WIDTH SHALL BE EIGHTY FEET (80').



TYPICAL PAVING SECTION: ARTERIAL ROADS

NO SCALE

STANDARD CONSTRUCTION DETAILS

ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #3

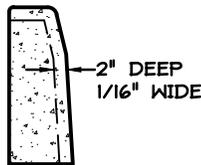
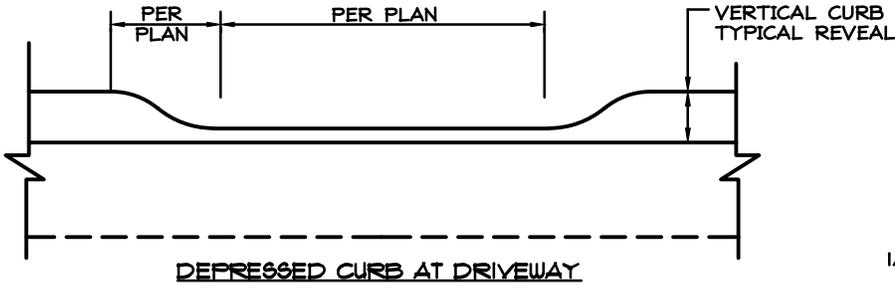


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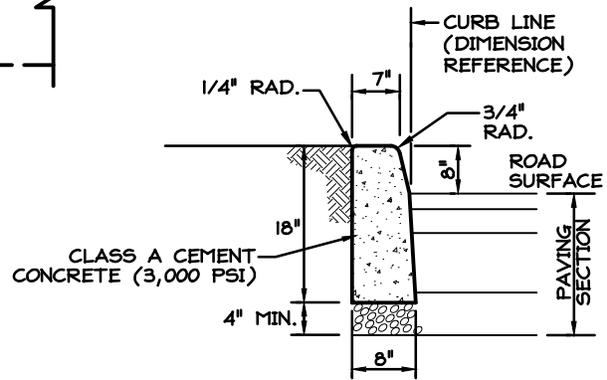
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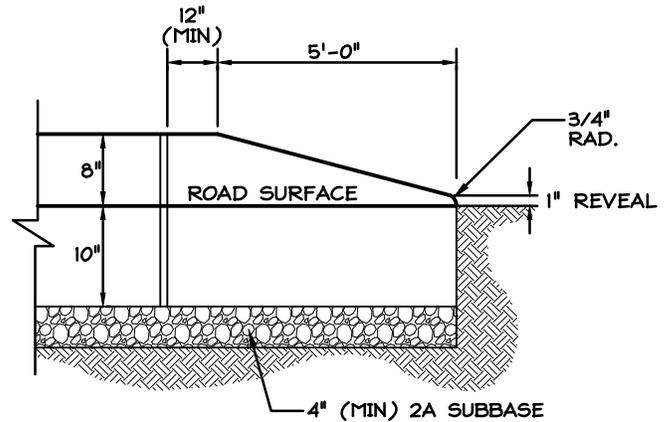
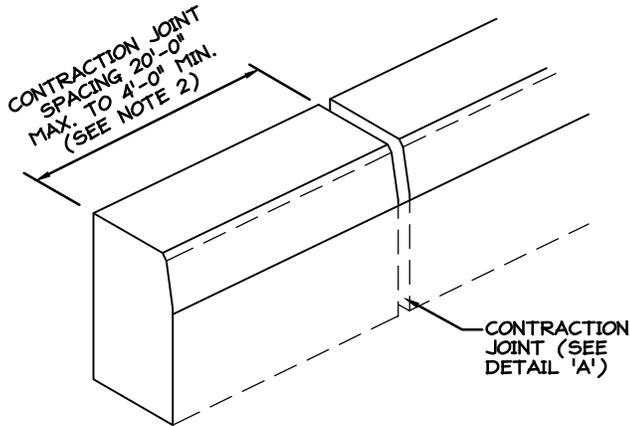
1. MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF PUBLICATION 408, SECTION 630.
2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
3. USE ACCEPTABLE METAL FORMS, EXCEPT ON SHARP CURVES AND SHORT TANGENT SECTIONS, WHERE WOOD FORMS MAY BE USED. USE FORMS WHICH WILL NOT DISCOLOR THE CONCRETE.
4. PLACE CONCRETE IN THE FORMS IN LAYERS NOT EXCEEDING 5" IN DEPTH WHEN SPADING, OR LAYERS NOT EXCEEDING 15" IN DEPTH WHEN USING A VIBRATOR TO ELIMINATE VOIDS. PROVIDE DRAINAGE OPENINGS THROUGH THE CURB, AT THE ELEVATION AND OF THE SIZE REQUIRED, WHERE INDICATED OR DIRECTED. SMOOTHLY AND EVENLY FINISH THE TOP SURFACE OF THE CURB, USING A WOOD FLOAT.
5. THE CONCRETE CURB MAY BE PLACED WITH AN ACCEPTABLE, SELF PROPELLED MACHINE.
6. PLACE 3/4" PREMOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.
7. SPACERS/JOINTS SHOULD BE ASPHALT, NOT CARDBOARD FILLER.



**DETAIL 'A'
CONTRACTION
JOINT**



**TYPICAL
CROSS-SECTION**



CONCRETE VERTICAL CURB

NO SCALE

STANDARD CONSTRUCTION DETAILS

ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #4

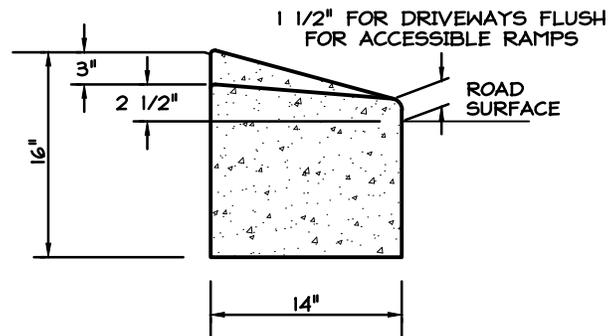
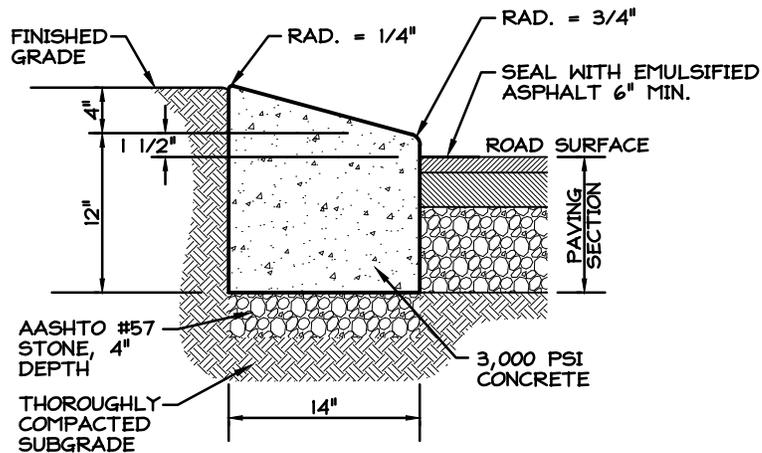


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NOTES:

1. EXPANSION JOINTS SHALL CONSIST OF 1/4" THICK PREMOLDED EXPANSION JOINT FILLER MATERIAL. EXPANSION JOINT SHALL BE LOCATED AT ALL STRUCTURES AT THE END OF THE WORK DAY AND AT INTERVALS OF 100 FEET. CUT MATERIAL TO CONFORM WITH CROSS SECTIONAL AREA OF CURB.
2. CONSTRUCTION JOINTS SHALL CONSIST OF A 2" DEEP, 3/16" WIDE SAW CUT AND BE PLACED AT UNIFORM LENGTHS OF 10 FOOT INTERVALS (MAX) AND 4 FOOT INTERVALS (MIN).



CONCRETE SLANT CURB

NO SCALE

STANDARD CONSTRUCTION DETAILS

ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #5

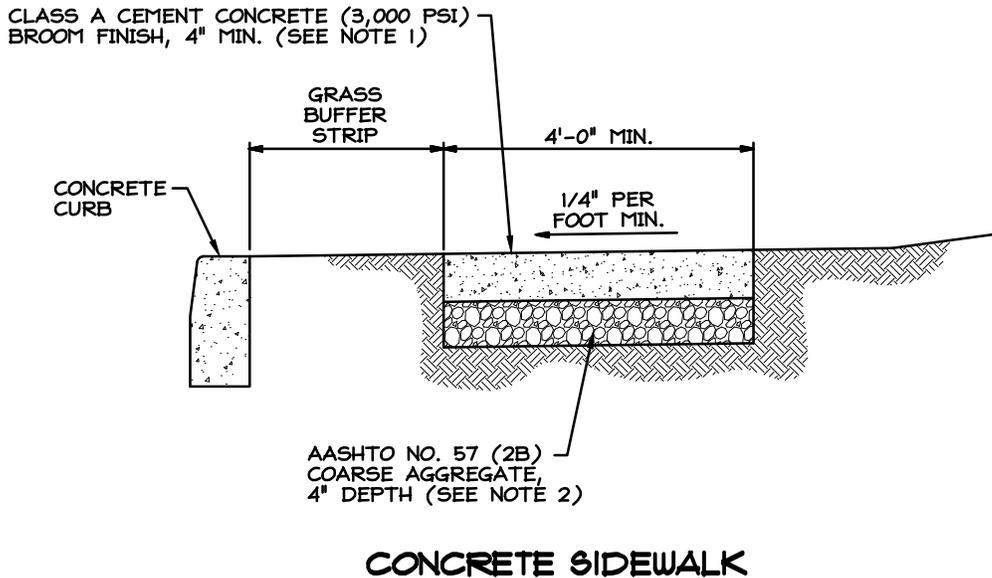
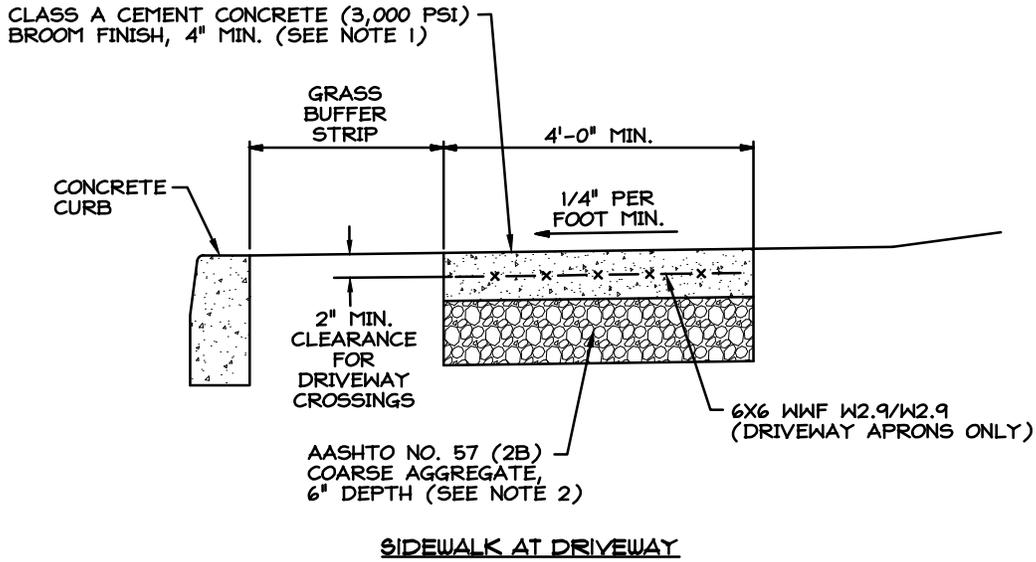


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NOTES:

1. SIDEWALK SHALL HAVE A MINIMUM THICKNESS OF 4" WHERE USED SOLELY FOR PEDESTRIAN TRAFFIC AND A MINIMUM THICKNESS OF 6" AT DRIVEWAY APRONS.
2. AT DRIVEWAY LOCATIONS, THE DEPTH OF COARSE AGGREGATE MATERIAL SHALL BE 6".
3. MAXIMUM LENGTH OF SECTIONS SHALL BE 10'-0".
4. SPACERS/JOINTS SHOULD BE ASPHALT, NOT CARDBOARD FILLER.



NO SCALE

STANDARD CONSTRUCTION DETAILS

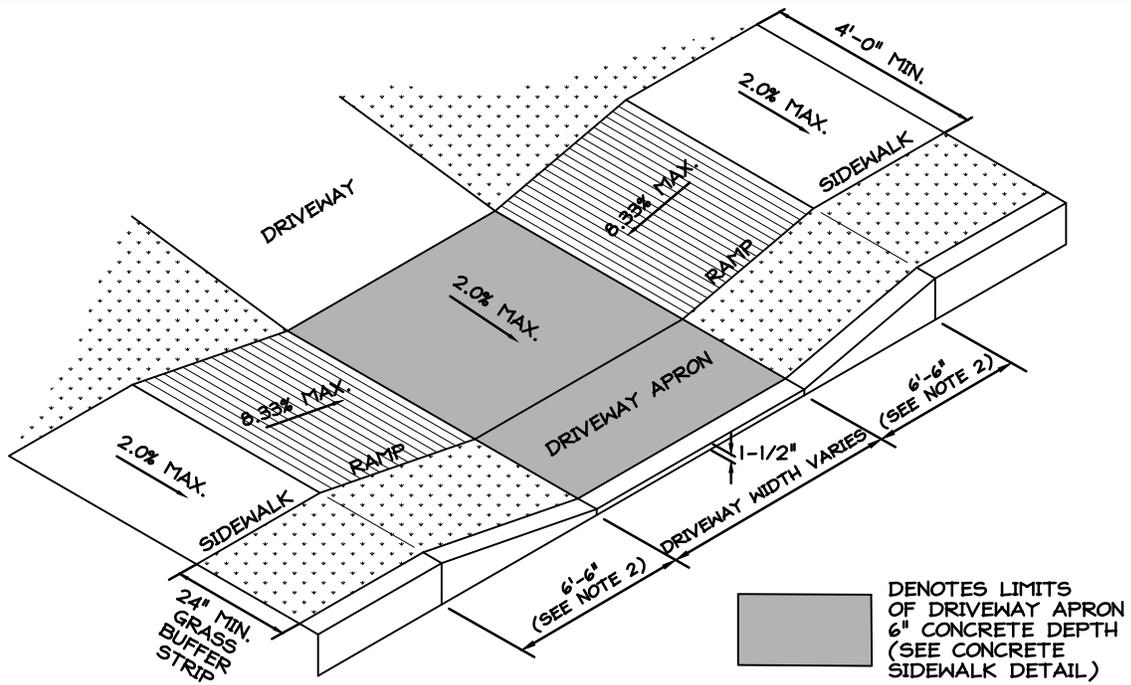
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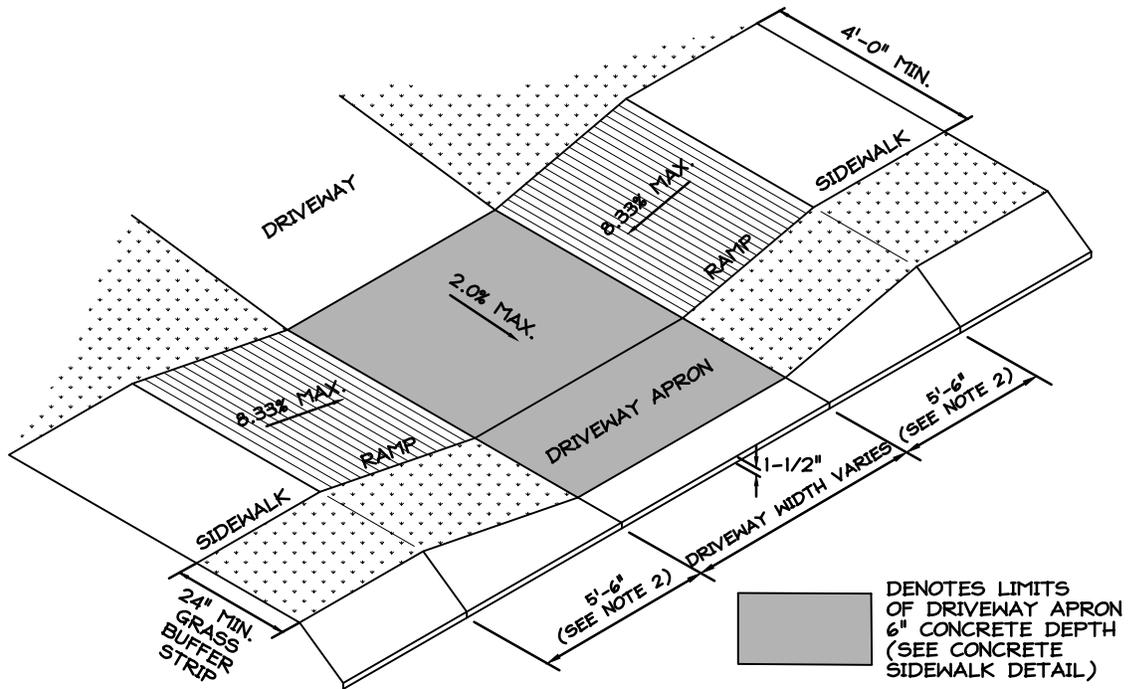


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TYPICAL DRIVEWAY APRON: DEPRESSED VERTICAL CURB



TYPICAL DRIVEWAY APRON: DEPRESSED SLANT CURB

DRIVEWAY APRONS

NO SCALE

STANDARD CONSTRUCTION DETAILS

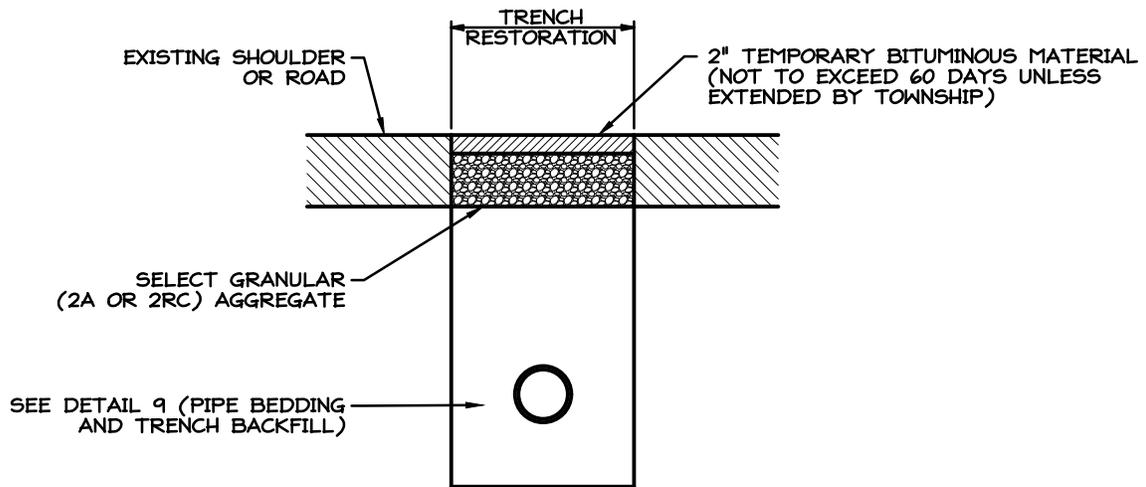
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TEMPORARY RESTORATION FOR STREETS AND SHOULDERS

NO SCALE

STANDARD CONSTRUCTION DETAILS

ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #8



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NOTES:

1. ALL VERTICAL CUTS MUST BE SAW CUT ONLY.
2. MATERIAL AND PLACEMENT FOR COARSE AND FINE AGGREGATES SHALL BE IN ACCORDANCE WITH PENNDOT SPECIFICATIONS, PUBLICATION 408 AND ITS AMENDMENTS.

WEARING COURSE:
1 1/2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 0.3 TO 3M ESALS, 9.5 MM, SRL-L

EXISTING PAVEMENT (TYP)

BASE COURSE:
5" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0.3 TO 3M ESALS, 25 MM OR BINDER COURSE, 19 MM

SEAL ALL JOINTS AND TACK COAT ALL VERTICAL SURFACES WITH AC-20, MIN. 6"

SEE DETAIL 9 (PIPE BEDDING AND TRENCH BACKFILL)

SUBBASE COURSE:
8" 2A AGGREGATE STONE BASE

LOCAL ROAD & SHOULDER RESTORATION

WEARING COURSE:
2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 0.3 TO 3M ESALS, 12.5 MM, SRL-L

EXISTING PAVEMENT (TYP)

BASE COURSE:
5" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0.3 TO 3M ESALS, 25 MM OR BINDER COURSE, 19 MM

SEAL ALL JOINTS AND TACK COAT ALL VERTICAL SURFACES WITH AC-20, MIN. 6"

SEE DETAIL 9 (PIPE BEDDING AND TRENCH BACKFILL)

SUBBASE COURSE:
8" 2A AGGREGATE STONE BASE

COLLECTOR ROAD & SHOULDER RESTORATION

WEARING COURSE:
2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 0.3 TO 3M ESALS, 12.5 MM, SRL TO BE DETERMINED BY TRAFFIC VOLUME

EXISTING PAVEMENT (TYP)

BASE COURSE:
2" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG 64-22, 0.3 TO 3M ESALS, 19 MM

SEAL ALL JOINTS AND TACK COAT ALL VERTICAL SURFACES WITH AC-20, MIN. 6"

SEE DETAIL 9 (PIPE BEDDING AND TRENCH BACKFILL)

BASE COURSE:
6" SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0.3 TO 3M ESALS, 25 MM INSTALLED IN 2 LIFTS

SUBBASE COURSE:
8" 2A AGGREGATE STONE SUBBASE, CONSISTING OF 3A AGGREGATE, 4" DEPTH 2" AGGREGATE, 4" DEPTH

ARTERIAL ROADS & SHOULDER RESTORATION

PERMANENT RESTORATION FOR STREETS AND SHOULDERS

NO SCALE

STANDARD CONSTRUCTION DETAILS

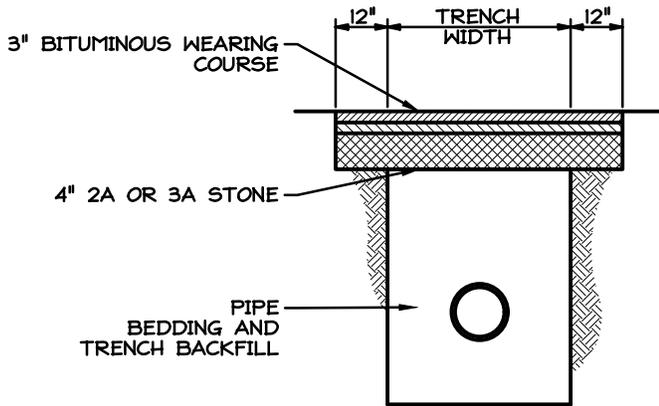
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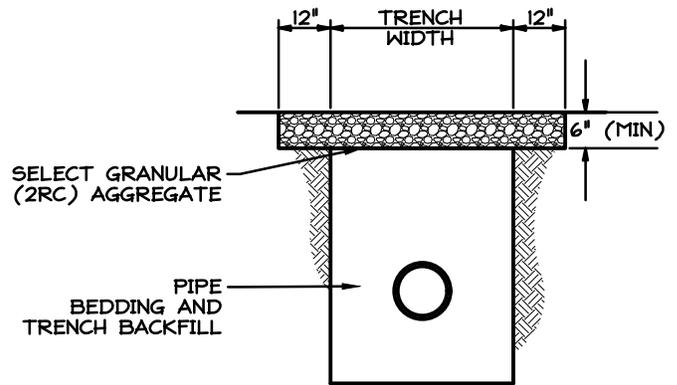


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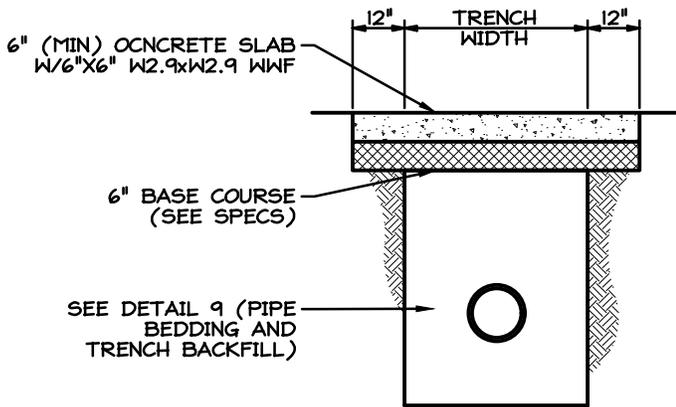
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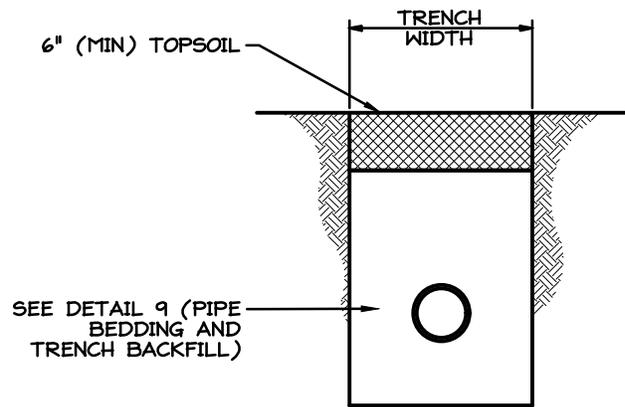
NOTE: MATCH EXISTING WIDTH OF DRIVEWAY
PAVED DRIVEWAY RESTORATION/
 OUTSIDE OF RIGHT-OF-WAY



NOTE: MATCH EXISTING WIDTH OF DRIVEWAY
STONE DRIVEWAY RESTORATION



NOTE: MATCH EXISTING WIDTH OF DRIVEWAY
CONCRETE DRIVEWAY RESTORATION



NOTE: MATCH EXISTING WIDTH OF DRIVEWAY
LAWN RESTORATION

PERMANENT RESTORATION FOR AREAS OTHER THAN STREETS

NO SCALE

STANDARD CONSTRUCTION DETAILS

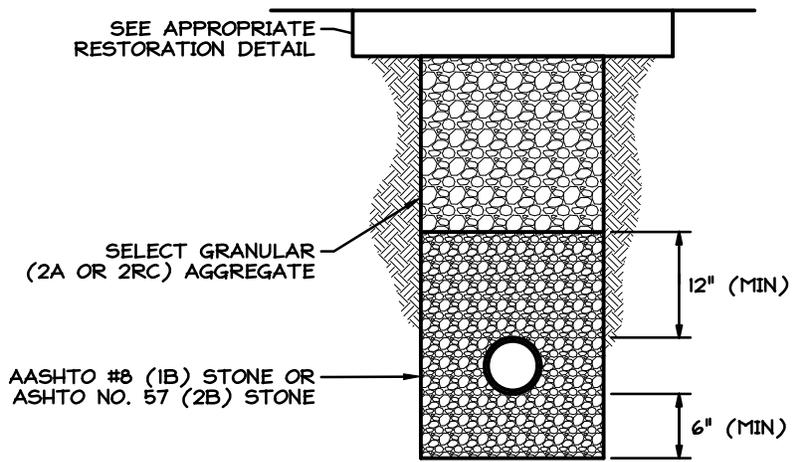
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JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #10

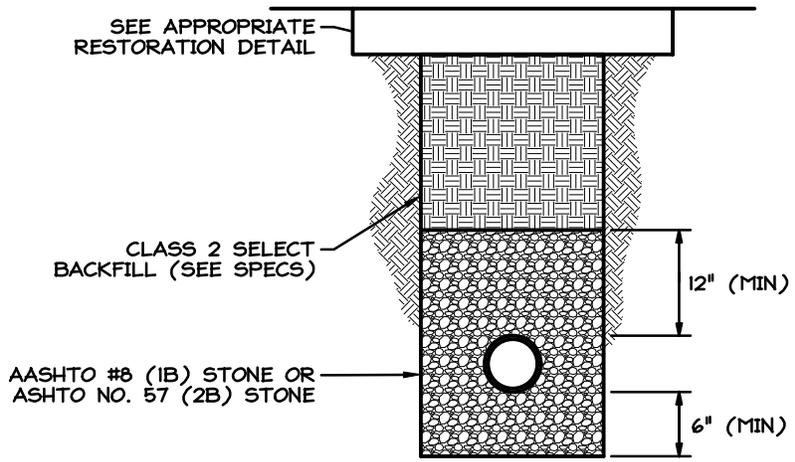


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ROADWAYS & SHOULDERS



OTHER THAN ROADWAYS & SHOULDERS

NOTES:

1. BACKFILL MATERIAL SHALL BE PLACED IN 12" (MAX) LIFTS. THOROUGHLY COMPACT EACH LIFT WITH MECHANICAL TAMPERS OR BY OTHER ACCEPTABLE METHODS FOR THE FULL TRENCH WIDTH. COMPACT TO NOT LESS THAN 100% OF THE DETERMINED DRY WEIGHT DENSITY OF THE BACKFILL MATERIAL.

PIPE BEDDING AND TRENCH BACKFILL

NO SCALE

STANDARD CONSTRUCTION DETAILS

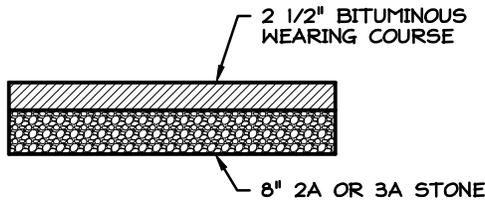
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JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #11



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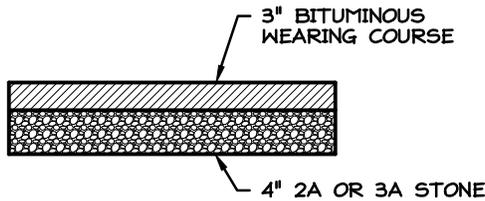
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DRIVEWAY PAVING WITHIN RIGHT-OF-WAY

NOTES:

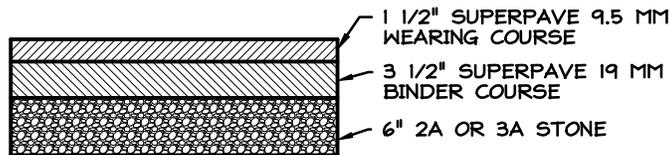
1. DRIVEWAYS SHALL BE LOCATED A MINIMUM OF FIVE (5) FEET FROM ANY SIDE AND/OR REAR PROPERTY LINE.
2. DRIVEWAYS SHALL MAINTAIN A MINIMUM WIDTH OF TEN (10) FEET OVER THE ENTIRE LENGTH AND HAVE A MAXIMUM WIDTH OF TWENTY-FOUR (24) FEET WITHIN THE STREET RIGHT-OF-WAY OR THE INTERSECTION WITH AN ACCESS DRIVE.
3. DRIVEWAYS SHALL BE PAVED A MINIMUM OF EIGHT (8) FEET FROM THE STREET OR ACCESS DRIVE CARTWAY.
4. A DRIVEWAY SHALL NOT EXCEED A SLOPE OF 8% WITHIN 25 FEET OF THE STREET RIGHT-OF-WAY LINES.
5. AS PART OF THE DRIVEWAY CONSTRUCTION, THE OWNER SHALL PROVIDE BITUMINOUS PAVING EXTENDING FOR A MINIMUM DISTANCE OF EIGHT FEET FROM THE EDGE OF ANY PAVED CARTWAY IN ALL CASES AND, IF THE DISTANCE FROM THE EDGE OF ANY PAVED CARTWAY TO THE RIGHT-OF-WAY LINE IS GREATER THAN EIGHT FEET, THE OWNER SHALL PAVE THE ENTIRE DISTANCE FROM THE EDGE OF THE PAVED CARTWAY TO THE RIGHT-OF-WAY LINE. THE PAVING SHALL CONSIST OF A MINIMUM OF EIGHT-INCH STONE BASE COURSE AND A TWO-AND-ONE-HALF-INCH BITUMINOUS COURSE OR EQUAL PAVING APPROVED BY THE TOWNSHIP.



DRIVEWAY PAVING OUTSIDE OF RIGHT-OF-WAY

NOTES:

1. DRIVEWAYS SHALL BE LOCATED A MINIMUM OF FIVE (5) FEET FROM ANY SIDE AND/OR REAR PROPERTY LINE.
2. DRIVEWAYS SHALL MAINTAIN A MINIMUM WIDTH OF TEN (10) FEET OVER THE ENTIRE LENGTH AND HAVE A MAXIMUM WIDTH OF TWENTY-FOUR (24) FEET WITHIN THE STREET RIGHT-OF-WAY OR THE INTERSECTION WITH AN ACCESS DRIVE.
3. DRIVEWAYS SHALL BE PAVED A MINIMUM OF EIGHT (8) FEET FROM THE STREET OR ACCESS DRIVE CARTWAY.
4. A DRIVEWAY SHALL NOT EXCEED A SLOPE OF 8% WITHIN 25 FEET OF THE STREET RIGHT-OF-WAY LINES.



ACCESS DRIVE (MINIMUM PAVING DETAIL)

NOTES:

1. ACCESS DRIVES SHALL BE LOCATED A MINIMUM OF FIFTEEN (15) FEET FROM ANY SIDE AND/OR REAR PROPERTY LINE. (SEE ZONING ORDINANCE FOR EXCEPTIONS).
2. ACCESS DRIVE WIDTH SHALL CONFORM TO THE REQUIREMENTS OF THE ZONING ORDINANCE.
3. ACCESS DRIVES SHALL BE PAVED A MINIMUM OF TWENTY FIVE (25) FEET FROM THE STREET CARTWAY.

DRIVEWAY AND ACCESS DRIVE PAVING

NO SCALE

STANDARD CONSTRUCTION DETAILS

ELIZABETH TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

JOB NO. 25-108, FILE NO. STDCONSTDETAILS, DATE: 01/08/25, DETAIL #12



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