

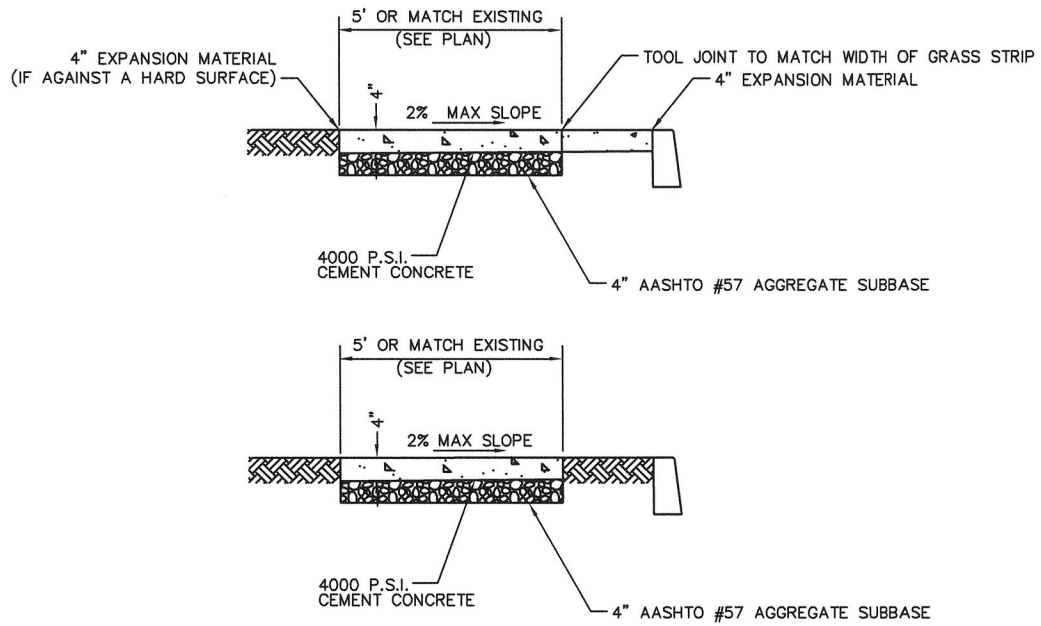
ZONING

27 Attachment 2

Borough of Yardley

Typical Details

LAST REVISED JUNE 2013



CEMENT CONCRETE SIDEWALK

N.T.S.

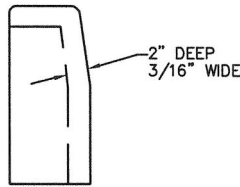
NOTE:

1. ALL CONCRETE IS TO BE 4000 P.S.I.
2. CONCRETE SIDEWALK SHALL BE SLOPED A MAXIMUM OF 2% TOWARDS THE TOP OF CURB.
3. CONTRACTOR SHALL PROVIDE EROSION CONTROLS TO CONTAIN OPEN EXCAVATIONS AND PROTECT THE NEAREST DOWNSTREAM INLET.

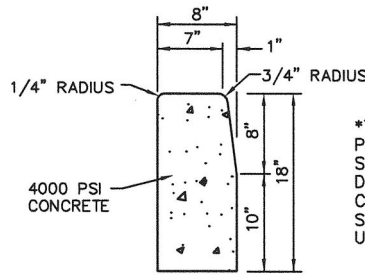
**DETAIL - R-1
TYPICAL DETAILS
BOROUGH OF YARDLEY
BUCKS COUNTY, PENNSYLVANIA**

YARDLEY CODE

LAST REVISED JUNE 2013

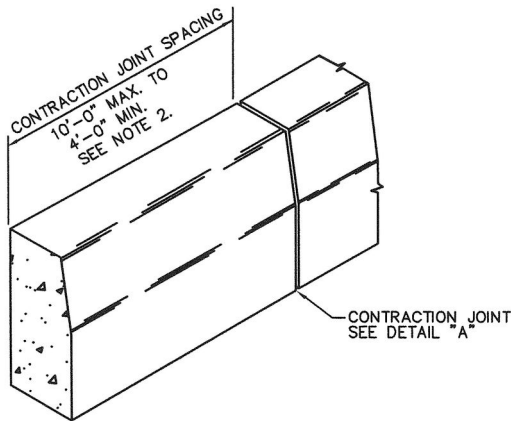


DETAIL "A"
CONTRACTION JOINT



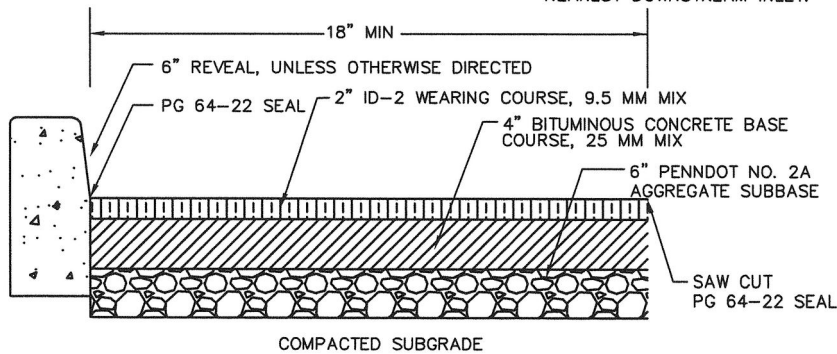
*THIS DETAIL IS THE STANDARD PENNDOT CONCRETE CURB CROSS SECTION. THE DIMENSIONS SHOWN DO NOT REFLECT THE DESIRED CURB REVEAL. ALL CURB SHALL HAVE A 6" CURB REVEAL UNLESS OTHERWISE DIRECTED.

TYPICAL
CROSS SECTION



NOTES

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408/2000, SECTION 630 FOR PLAIN CEMENT CONCRETE CURB AND DEPRESSED CURB, SECTION 640 FOR PLAIN CEMENT CONCRETE GUTTER AND SECTION 641 FOR PLAIN CEMENT CONCRETE CURB GUTTER.
2. SPACE CONTRACTION 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. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.
4. SEE RC-50M FOR PLAIN CEMENT CONCRETE CURB SLOPED TOP TREATMENT AT END OF STRUCTURES.
5. ALL CONCRETE IS TO BE 4000 P.S.I.
6. DEPRESSED CURB SHALL BE SLOPED 1/4" PER FOOT TOWARDS THE STREET.
7. CURB REPLACEMENT SHALL EXTEND TO THE NEAREST JOINT. SHOULD THE NEAREST JOINT EXTEND ACROSS A PROPERTY THE CURB MAY BE SAWCUT AT A LOCATION TO BE AND MARKED OUT BY THE BOROUGH.
8. CONTRACTOR SHALL PROVIDE EROSION CONTROLS TO CONTAIN OPEN EXCAVATIONS AND PROTECT THE NEAREST DOWNSTREAM INLET.



NOTES

1. ROADWAY RESTORATIONS SHALL BE PERFORMED ALONG STRAIGHT SAWCUT.
2. FAILURES IN THE EXISTING PAVEMENT MAY REQUIRE ANOTHER SAWCUT BE MADE IN ORDER TO INCORPORATE THE IRREGULARITIES INTO THE RESTORATION AREA.
3. ROADWAY RESTORATIONS SHALL INCLUDE AREAS FROM WHICH EXISTING PIPES, PLATES, BRICKS, CHANNELS, ETC. HAVE BEEN REMOVED.

GUTTER AND ROADWAY RESTORATION DETAIL

N.T.S.

DETAIL - R-2
TYPICAL DETAILS
BOROUGH OF YARDLEY
BUCKS COUNTY, PENNSYLVANIA

ZONING

LAST REVISED JUNE 2013

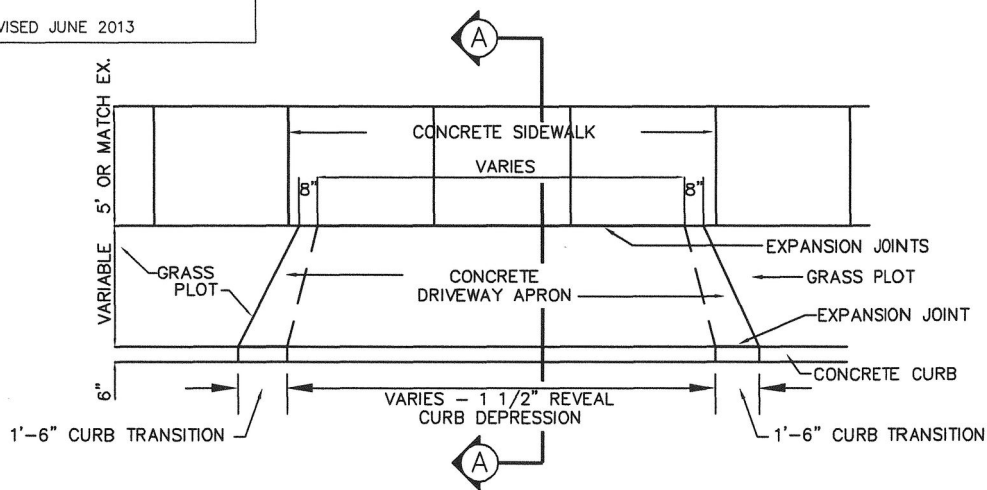
HANDICAPPED CURB RAMP NOTES

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTIONS 350, 409, 630, 676 AND 694.
2. PROVIDE EXPANSION JOINT MATERIAL 13 (1/2") THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
3. CONSTRUCT CURB RAMPS WITH A MINIMUM 1220 X 1220 (4'-0" X 4'-0") CLEAR SPACE BEYOND THE CURB FACE, WITHIN THE WIDTH OF THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE. SEE SHEET 7 FOR CROSSWALK DETAILS.
4. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
5. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.
6. MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB HEIGHTS WHERE THE CURB IS LESS THAN THE STANDARD 205 (8") HEIGHT.
7. CURB HEIGHT AND THE SIDEWALK SLOPE. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON
8. TO AVOID CHASING GRADE INDEFINITELY WHEN TRAVERSING THE HEIGHT OF CURB, RAMP LENGTH NOT TO EXCEED 4500 (15'-0"). ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE.
9. NON-WALK AREA IS AN OBSTRUCTED OR GRASS/NON-PAVED AREA ADJACENT TO THE PEDESTRIAN ACCESS ROUTE THAT IS NOT USED BY THE PEDESTRIAN FOR ACCESS.
10. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED. US CUSTOMARY UNITS IN () PARENTHESIS.
11. ALIGN DETECTABLE WARNING SURFACE TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB.
12. PROVIDE DETECTABLE WARNING SURFACES (DWS) 610 (24") MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
13. FOR NEW CONSTRUCTION, DO NOT EXCEED 2.00% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESSIBLE ROUTE.
14. FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE. THE SLOPES INDICATED IN THE DETAILS SHOW THE MAX SLOPE ALLOWABLE. SLOPES THAT EXCEED THOSE INDICATED IN THE DETAILS, OR CONTRACT DOCUMENTS AS APPLICABLE, WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED.
15. CONSTRUCT SIDEWALKS AT A LONGITUDINAL SLOPE NOT TO EXCEED 5.00%. FOR ROADWAY PROFILE SLOPES THAT EXCEED 5.00%, CONSTRUCT PARALLEL SIDEWALKS ADJACENT TO ROADWAY AT A LONGITUDINAL SLOPE NOT TO EXCEED ROADWAY PROFILE SLOPE.
16. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 11.00%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, LANDING OR BLENDED TRANSITION IS NOT TO EXCEED 5.00%. SEE SHEET 8 FOR DETAILS.
17. THE CONSTRUCTION STANDARDS DEPICTED ARE MOST APPROPRIATE FOR NEW CONSTRUCTION. ALL CONSTRUCTION MUST MEET THE STANDARDS CONTAINED HEREIN UNLESS OTHERWISE NOTED OR DIRECTED.
18. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDANT ON THE HEIGHT OF CURB. (FOR EXAMPLE, A 150 (6") CURB DOES NOT NECESSARILY MEAN A RAMP LENGTH OF 1830 (6'-0") FOR A 12:1 (1:12) SLOPE.
19. SIDEWALK WIDTH MAY BE REDUCED TO 1220 (4'-0"), WHEN PASSING AREAS 1525 X 1525 (5'-0" X 5'-0") ARE PROVIDED EVERY 61 METERS (200').
20. CONSTRUCT DEPRESSED CURB FOR CURB RAMPS FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATIONS AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. FOR LEVEL LANDINGS BEHIND DEPRESSED CURB, ADJUST SLOPES TO PROVIDE POSITIVE DRAINAGE.
21. CHEEK WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED BY FLARES OR GRADING. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 (1:3) MAXIMUM. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN ACCESS ROUTE.
22. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALKS, FLARES).
23. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK. THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES. SEE SHEET 7 FOR DETAILS.
24. A 1220 (4'-0") MAXIMUM DIGITAL DISPLAY LEVEL WILL BE USED TO VERIFY THE SLOPES OF CURB RAMPS AND SIDEWALKS.
25. DETECTABLE WARNING SURFACES SHALL BE CAST-IN-PLACE POLYMER COMPOSITE BY 'ARMOR-TILE' AS MANUFACTURED BY ENGINEERED PLASTICS INC., OR APPROVED EQUAL. FEDERAL COLOR NUMBER 22144.
26. ALL ADA CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH RC-67M OF PENNDOT PUBLICATION 72M.

DETAIL - R-3
TYPICAL DETAILS
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BUCKS COUNTY, PENNSYLVANIA

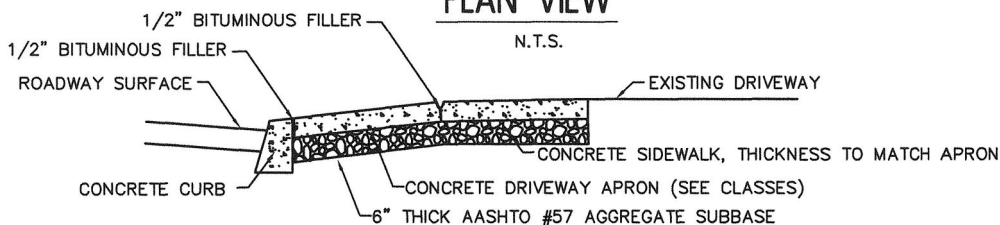
YARDLEY CODE

LAST REVISED JUNE 2013



PLAN VIEW

N.T.S.



SECTION "A-A"

N.T.S.

DRIVEWAY APRON & CURB DEPRESSION

(APPLICABLE WITH STANDARD CURB)

N.T.S.

NOTES:

1. ALL CONCRETE IS TO BE 4000 P.S.I.
2. DEPRESSED CURB SHALL BE SLOPED 1/4" PER FOOT TOWARDS THE STREET.
3. CONCRETE SHALL BE ALLOWED TO CURE FOR SEVEN (7) DAYS.
4. USE OF "HIGH EARLY" CONCRETE MAY BE APPROVED BY THE BOROUGH INSPECTOR.
5. MONOLITHIC POURS SHALL ONLY BE PERMITTED BY SPECIAL EXCEPTION, AND ARE SUBJECT TO APPROVAL BY THE BOROUGH.
6. CONTRACTOR SHALL PROVIDE EROSION CONTROLS TO CONTAIN OPEN EXCAVATIONS AND PROTECT THE NEAREST DOWNSTREAM INLET.

DRIVEWAY APRON CLASSES - MINIMUM STANDARDS:

1. RESIDENTIAL - 6" THICKNESS WITH 6X6-W1.4/W1.4 WIREMESH REINFORCEMENT
2. COMMERCIAL - 8" THICKNESS WITH 6X6-W2.1/W2.1 WIREMESH REINFORCEMENT
3. INDUSTRIAL - DESIGN TO BE PROVIDED TO BOROUGH ENGINEER.

*DETERMINATION OF CLASS SUBJECT TO APPROVAL BY THE BOROUGH.

DETAIL - R-4
TYPICAL DETAILS
BOROUGH OF YARDLEY
BUCKS COUNTY, PENNSYLVANIA