

**Street/Sidewalk Cut Permit Request for
Water / Sewer Line Installation / Repairs / Replacements**

Permit Type: *(check one)* **Water** **Sewer** **City of Harrisburg Merchantile #** _____
City of Harrisburg Plumbing License # _____ ***City of Harrisburg Building/Fire/Zoning Permit #** _____ *

***Note:** A City of Harrisburg Building/Fire/Zoning Permit is required for plumbing work on private property. Contact the City of Harrisburg Bureau of Codes at <http://harrisburgpa.gov/codes-bureau/> or 717-255-6553 to obtain a Building/Fire/Zoning Permit prior to completing and submitting this Request for a Street/Sidewalk Cut Permit.

Company Name: _____ **Date:** _____

Contact Person: _____ **Phone Number:** _____

Email Address: _____

Company Address: _____

Mailing Address: *(If Different from Requester Address):* _____

Property Owner: _____ **Phone Number:** _____

Email Address: _____

Type: Residential Commercial Institutional Industrial Other (Specify): _____

The contractor performing the work must complete and attach:

- Street Cut Bond, two years for \$25,000 (CRW must be listed as the Obligee) and Power of Attorney. Hard copy with raised seals is preferred but electronic submission with laser seals emailed directly from the surety agent’s email to streetcutpermits@capitalregionwater.com will be accepted. Surety is to be on a form approved by the State or bonds meeting [Title 25 Chapter 78a Subchapter G. Bonding Requirements](#). CRW does not direct any specific form and will accept forms as filed and meeting requirements.
- Certificate of Insurance (CRW must be listed as “Additional Insured”).
- City of Harrisburg Application Form (Page 11 of the attached Procedures Manual & Standard Specifications for Street Cut Permits which include sidewalk and curb work of the City of Harrisburg).
- Sketch Form Including Work Zone Traffic Control Plan (Page 12 of the attached Procedures Manual & Standard Specifications for Street Cut Permits which include sidewalk and curb work of the City of Harrisburg).
- Street Closure Request Form (Page 15 of the attached Procedures Manual & Standard Specifications for Street Cut Permits which include sidewalk and curb work of the City of Harrisburg) if applicable. The City Engineer requires that requests be sent 72 hours in advance. Once closure is approved, residential notification must be made 48 hours prior to the implementation of the closure. Photographic proof of residential notification must be sent to the City Engineer’s office.
- Payment made payable to “Capital Region Water” must be paid before a Permit is issued. The total amount is the sum of the following:
 - Capital Region Water’s processing and inspection fees of \$320, (minimum), plus
 - City of Harrisburg’s application and inspection fees of \$310 (minimum), and
 - any additional inspection fees calculated in accordance with Page 8 of the City of Harrisburg Procedures Manual & Standard Specifications for Street and Sidewalk Cut Permits. The fee can be calculated and provided in advance.
 - The minimum fee will be \$630.

Note: New Service Request Forms for Clean Corporation Stop Request, Fire Protection Service Request, Sanitary Sewer Service Request, Service Termination Request, and Water Service Request, must be completed along with respective payments and submitted in addition to this Request, if applicable are located at <https://capitalregionwater.com/forms/>.

By signing this Request, the Company agrees to abide by the City of Harrisburg Procedures Manual & Standard Specifications for Street Cut Permits which includes sidewalk and curb work of the City of Harrisburg, Capital Region Water’s Important Information and Instructions found on the reverse side of this Form and performing all work in accordance with the City of Harrisburg Bill 18 of 2016, attached hereto.

Submit form and attachments by email to streetcutpermits@capitalregionwater.com

Signature of Requester

Date

Street/Sidewalk Cut Permit Request for Water / Sewer Line Installation / Repairs / Replacements

Instructions:

1. In accordance with Section 200.8, Page 4 of the Procedures Manual & Standard Specifications for Street Cut Permits which include sidewalk and curb work of the City of Harrisburg, do not commence with backfilling of any part of the excavation until an inspection of the service line has been performed by Capital Region Water. Request and schedule an inspection of water service line work or sewer and storm pipes, contact Customer Service by email streetcutpermits@capitalregionwater.com or by phone at 888-510-0606.
2. If you are connecting directly to the water main line in the street, you will need to complete the [Clean Corporation Stop Request](#) and contact Customer Service at streetcutpermits@capitalregionwater.com or 888-510-0606 to provide the completed form and payment, and to schedule a Clean Corporation Stop before you make the connection.
3. If the water lateral is connected with a ½" Corp, CRW will have to install a new ¾" tap before you make connection. Contact Customer Service at 888-510-0606 to provide payment of \$250 and to schedule.
4. Request and schedule an inspection before backfilling by contacting Customer Service by email streetcutpermits@capitalregionwater.com or by phone at 888-510-0606.
5. Upon completion of the restoration, please seal the edge of the patch with a joint sealer that meets City of Harrisburg specifications, as outlined in the Procedures Manual & Standard Specifications for Street Cut Permits which includes sidewalk and curb work in the City of Harrisburg, paint completion date and address on the patch.
6. Request to schedule a street/sidewalk restoration inspection by contacting Customer Service by email streetcutpermits@capitalregionwater.com or by phone at 888-510-0606.
7. If the street/sidewalk cut is not complete within six (6) months, complete the Application for Supplemental Street Cut Permit (Page 14 of the attached Procedures Manual & Standard Specifications for Street Cut Permits). Payment made payable to "Capital Region Water" must accompany the application.

Important Information:

- This permit application is for street/sidewalk cuts necessitated by water or sewer line repairs/replacements only. For all other work in the public right-of-way that involves excavating a street or sidewalk (including but not limited to sidewalk repair/replacement, driveway installation, driveway apron repair/replacement, curb repair replacement, planting/removal of street trees), contact the City of Harrisburg Engineer Department at streetcuts@harrisburgpa.gov.
- Merchantile Number, City of Harrisburg Plumbers License Number, and City of Harrisburg Building/Fire/Zoning Permit must be acquired.
- Work is not permitted to begin until an approved Street/Sidewalk Cut Permit is issued by Capital Region Water.
- **Payment made payable to "Capital Region Water" must include any balance(s) due from the City and be paid prior to the release of the permit.**
- If this is an emergency, Capital Region Water does not approve emergencies so the Requestor/Contractor must contact both the City and us and any fines incurred from the City will be invoiced separately to the Requestor/Contractor. A Permit Application for an emergency must be applied for after the emergency street cut is performed.
- The City of Harrisburg may attach a Degradation Fee to the Permit if the excavation is in a street that has been recently resurfaced. Please refer to Page 8 of the City of Harrisburg Procedures Manual & Standard Specifications for Street Cut Permits which includes sidewalk and curb work in the City of Harrisburg for the fee. Any balance(s) due from the City must be paid prior to the release of the Permit.

Note: All work must comply with the City of Harrisburg Procedures Manual & Standard Specifications for Street Cut Permits which includes sidewalk and curb work of the City of Harrisburg and the City of Harrisburg Bill 19 of 2016, attached hereto.

Submit form and attachments by email to streetcutpermits@capitalregionwater.com or in-person or by mail to:

**Capital Region Water
 Customer Service Center
 3003 North Front Street
 Harrisburg, PA 17110**

Capital Region Water Use Only

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> City Merchantile Number | <input type="checkbox"/> City Plumbers License | <input type="checkbox"/> City Building/Fire/Zoning Permit | <input type="checkbox"/> Application Form |
| <input type="checkbox"/> Sketch Form | <input type="checkbox"/> City Street Closure Form, if applicable | <input type="checkbox"/> Street-Cut Bond | <input type="checkbox"/> Certificate of Insurance |
| <input type="checkbox"/> Payment for | <input type="checkbox"/> Water | <input type="checkbox"/> Sewer | |

From: Mesaris, Judd P [REDACTED]
Sent: Monday, March 18, 2024 2:01 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Road Closures

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

This email is to serve as a reminder that street closure request forms have to be filled out and sent to streetcuts@harrisburgpa.gov 72 hours in advance for approval. Once the closure is approved, the residents need to be notified 48 hours prior to implementing the closure. **Beginning Monday March 25th, 2024, proof of resident notification must be sent to the city engineers office.** Moving forward, this policy will be strictly enforced due to the continued abuse of failing to notify all residents affected by road closures. At a minimum, construction fliers must be hung on every property affected in the closure area. Additionally, pictures of the door hangers need to be sent to streetcuts@harrisburgpa.gov for proof of notification. Please review the rules on the street closure request form and the associated policy from the city's street cut specifications.

Street Closure Request Form:

This request for permission to close a street within the City of Harrisburg must be completed and received by the city engineer for review at least 3 business days prior to the planned closure. The city engineer will inspect the location, review your detour and traffic control plans and approve or disapprove your request. Please note that you are responsible for the actual physical closure and must follow all city, state and federal regulations in respect to Work Zone Traffic Control. Refer to PennDOT Pub 213 (67 PA Code, Chapter 212). A Traffic Control plan must accompany this form showing detours and traffic control figures. **It is your responsibility to notify all property owners within the affected closure area.** It is also your responsibility to notify Harrisburg City Parking Enforcement (717-255-3141) and Park Harrisburg (717-234-2274) at least two days prior to closing for temporary no parking signs to be posted.

200.4 STREET CLOSURES AND NO PARKING

City ordinances and Department regulations do not permit closure of City streets or sidewalks as a matter of course with issuance of a Street Cut Permit. Specific approval to close a street or to materially alter traffic patterns must be obtained from the City Engineer or designee. (See Request Form on page 15) In their absence or in an emergency, the Harrisburg Police Bureau may grant approval. In every case, the Permittee's request to close or alter traffic must include precise location, reason, work methods, time and date, and what alternatives were considered. The City reserves the right to require work hours of 9:00 a.m. to 3:00 p.m. and 6:00 p.m. to 6:00 a.m. in heavily traveled streets. Permittees will be required to place steel plates, pinned in place, to maintain traffic flow during non-working hours in such areas (also see Section 200.10 Weather Limitations). Such authority shall include, but not be limited to, the power to require that work be done on a continuous,

around-the-clock, twenty-four hour basis. It is the Permittee's responsibility to notify City Parking Enforcement (717-255-3141) two days prior for Temporary No Parking signs to be posted. For parking areas controlled by Standard Parking you must contact SP Plus at 717-234-2274.



Judd Mesaris | Engineering Representative

City of Harrisburg | Aaron K. Johnson Traffic & Engineering Center

1002 N. 7th Street | Harrisburg, PA 17102 | [Map](#)

Cell: 717-678-1528

[Street Closure Map](#) | HarrisburgPA.gov

Find Community. Find Home.



CITY OF HARRISBURG



**WANDA WILLIAMS
MAYOR**

**DIRECTOR
PERCY BULLOCK
PROJECT MANAGER**

Department of Engineering & Development
123 Walnut Street, Suite 212, Harrisburg, PA 17101
(717) 255-3091

Procedures Manual & Standard Specifications For Street Cut Permits which include sidewalk and curb work

January 1, 2020

Updated 04/01/2020

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LINKS

[Manual on Uniform Traffic Control Devices 2009 Edition with 2 Revisions from 2012
https://mutcd.fhwa.dot.gov/pdfs/2009r1r2/mutcd2009r1r2edition.pdf](https://mutcd.fhwa.dot.gov/pdfs/2009r1r2/mutcd2009r1r2edition.pdf)

[Penn DOT Pub-213
https://www.dot.state.pa.us/public/PubsForms/Publications/PUB%20213.pdf](https://www.dot.state.pa.us/public/PubsForms/Publications/PUB%20213.pdf)

[ADA Accessibility Survey Instructions
https://www.ada.gov/pcatoolkit/app1curbramps.pdf](https://www.ada.gov/pcatoolkit/app1curbramps.pdf)

[PennDOT Pub-408/2016
https://www.dot.state.pa.us/public/PubsForms/Publications/
Pub_408/408_2016/408_2016_IE/408_2016_IE.pdf](https://www.dot.state.pa.us/public/PubsForms/Publications/Pub_408/408_2016/408_2016_IE/408_2016_IE.pdf)

These Specifications and any future updates can be found on-line at:
<http://cohbgs.maps.arcgis.com/sharing/rest/content/items/bd067cf7ef924d5282d0b4570cdabd8c/data>

CITY OF HARRISBURG, PA
PROCEDURES MANUAL AND STANDARD SPECIFICATIONS

STREET, SIDEWALK, CURB - CUTS AND EXCAVATIONS

SECTION 200

200.1 PERMIT REQUIRED

No person, firm or corporation shall cut or dig open any roadway or sidewalk within the City Right of Way (ROW) without first obtaining a "Street Cut Permit" from the Office of The City Engineer. Street Cut Permits will be valid for up to six (6) months from the date of issue. All permitted work shall be completed within those six (6) months. A time extension permit supplement may be issued to extend the completion time an additional six (6) months. The cost for each supplement is Two Hundred Fifty Dollars (\$250). No more than two supplemental permits may be granted. A separate permit is required for each property address. An exception may be granted for major trench work serving multiple addresses.

When a permit reaches the six (6) month expiration date and the work has not been completed and accepted by the City Engineer or his or her Representative, the bonding company will be notified to obtain funds to complete said permit. It is the Permittee's responsibility to apply for a time extension supplement prior to the original permit expiration date. Permits are invalid until they are paid in full by check or money order, payable to "City Treasurer" at the receipt of your permit or within 30 days of monthly invoice date, if applicable.

All street cuts made to access public utilities must be submitted in the name of the utility facility owner or operator providing the utility service. The term "public utility" is defined in Section 102 of the Pennsylvania Public Utility Code and for the purpose of these Procedures and Specifications includes municipal authorities created under the Municipal Authorities Act and any party granted an easement in the public right-of-way per City Ordinance Chapter 7-901. An application for public utility cut may not be in the name of a contractor, nor in the name of a person being serviced by the utility.

Curb, sidewalk, driveway cuts and any other work not involving a public utility shall be submitted in the name of the property owner or contractor for the property owner.

An emergency dig is defined as "the repair of a utility which must be made to restore service, to avoid property damage or to eliminate danger to the public". Notice of an emergency pavement cut shall be given to the office of City Engineer by phone, email or text during normal business hours. If after normal business hours, notification shall be given at the beginning of the next business day. An application shall be made for a permit for all emergency work within seventy-two hours after the work is started.

Water and Sewer applicants need to obtain and complete the Street/Sidewalk Cut Permit Application on Capital Region Water's website. <https://capitalregionwater.com>

Provide 2-year \$25,000 bond listing Capital Region Water as obligee, Certificate of Insurance listing Capital Region Water as additionally insured, and payment with Application in- person at:

CRW's Customer Service Center
100 Pine Drive
Harrisburg, PA 17103

200.2 PERMIT APPLICATION

Application for a Street Cut Permit, (Copy on page 11) shall be made in writing on the forms prescribed by the City Engineer. The application shall indicate the property street address, location and description of the area for which such cut(s) or opening is to be made; the name and address of the applicant; dimensions; purpose of the proposed cut or opening; approximate time required for the completion of the work, and a copy of an approved Work Zone Traffic Control figure (Pub 203). Applications must be signed by the applicant agreeing to all terms stated on the form and within these specifications. You can request an electronic pdf application form from the City Engineer's Office.

Application for supplemental time extensions (copy on page 14) shall be made in writing on forms prescribed by the City Engineer. The application shall indicate the original permit number, expiration date and a written explanation as to the reason for the supplement request. To avoid work delays, submit your applications to the Office of the City Engineer at least three (3) working days in advance of the anticipated date work is to commence.

200.3 BOND CONDITIONS AND AMOUNT

Before the issuance of a Utility Street Cut Permit, the applicant therefore, as principal, shall execute and file with the Office of the City Engineer a street cut bond conditioned that the applicant shall fully and completely perform all acts and requirements with respect to the restoration and maintenance of the highway and the payment of the cost of such restoration and maintenance. A reputable surety company licensed to do business in the Commonwealth of Pennsylvania shall execute such bond. The bond shall remain in effect for a period of two years from the acceptance date of the final restoration or five years from the date of issuance, whichever is longer. A new bond shall be submitted every twelve month period and shall remain in effect as provided in this section. The bond amounts shall be Fifty-Thousand Dollars (\$50,000.00) for public utility companies and Ten-Thousand Dollars (\$10,000) for street cuts and any other work not involving a public utility for curb improvements, the applicant may post financial security in the form of a bond, letter of credit or other approved form in the amount of \$150 per square yard. (See pages 9 and 10 for forms)

200.4 STREET CLOSURES AND NO PARKING

City ordinances and Department regulations do not permit closure of City streets or sidewalks as a matter of course with issuance of a Street Cut Permit. Specific approval to close a street or to materially alter traffic patterns must be obtained from the City Engineer or designee. (See Request Form on page 15) In their absence or in an emergency, the Harrisburg Police Bureau may grant approval. In every case, the Permittee's request to close or alter traffic must include precise location, reason, work methods, time and date, and what alternatives were considered. The City reserves the right to require work hours of 9:00 a.m. to 3:00 p.m. and 6:00 p.m. to 6:00 a.m. in heavily traveled streets. Permittees will be required to place steel plates, pinned in place, to maintain traffic flow during non-working hours in such areas (also see Section 200.10 Weather Limitations). Such authority shall include, but not be limited to, the power to require that work be done on a continuous, around-the-clock, twenty-four hour basis. It is the Permittee's responsibility to notify City Parking Enforcement (717-255-3141) two days prior for Temporary No Parking signs to be posted. For parking areas controlled by Standard Parking you must contact SP Plus at 717-234-2274.

200.5 MAINTENANCE AND PROTECTION OF TRAFFIC, PUBLIC NOTIFICATIONS

All permittees shall furnish material and traffic control devices necessary for the maintenance and protection of traffic and Pedestrians, conforming to PA DOT Work Zone Traffic Control 67 PA Code, Chapter 203, until the roadway is restored to the condition as required. If at any time a detour may be required, the Permittee shall first contact the Office of the City Engineer.

All permittees are responsible to notify businesses and residences that will be affected by street and sidewalk work that blocks, restricts vehicle or pedestrian traffic flow or prevents the usual parking in the area affected by the work. This notification shall be given by “door to door” notices in the work site area at least 48 hours prior to commencing work. This notification must indicate the area effected, dates and times of work, type of work being done and 24 hr. contact information on permittee’s company letterhead. (See sample notice on page 16)

200.6 STREET CUT EXCAVATIONS, TRENCHING, CITY NOTIFICATIONS

All existing street pavements shall be saw cut. Cut shall be full depth of the concrete or base thickness and care shall be taken in removing the concrete to insure that the slab breaks on the next line produced by the concrete saw. Asphalt concrete pavement and all excavated material shall be removed from the site. There shall be no storage of any material or steel plates on the street surface.

All excavation, trenching and shoring, and the like, shall be performed in a manner that meets with OSHA Department of Labor, Safety and Health regulations for construction. It is the responsibility of the permittee to understand and abide by all OSHA regulations concerning trenching and shoring which is outlined in the OSHA Technical Manual, Section V, Chapter 2.

Per OSHA requirements you must submit, with your application, the contact information of the appointed OSHA Competent Person when digging more than four (4) feet deep.

All permittees are responsible to notify the Office of the City Engineer in advance of all excavations within the City right of way.

All permittees are responsible to notify the Office of the City Engineer prior to final restorations in order to schedule the inspection visit to each location/site.

200.8 STREET RESTORATION AND MAINTENANCE

It shall be the duty of the permittee, in the manner set forth in this chapter, to cause such highways and / or sidewalks to be restored within six (6) months from permit issue date or within six (6) months from time extension supplement issue date.

Permittee is to maintain such portion of the highway and sidewalk for a period of two (2) years from the date of such final restoration, subject at all times to the approval of the City Engineer. In the event the permittee fails to maintain such restoration, after having received written notice from the City Engineer, the City Engineer will instruct the Permittee’s bonding agent to cause the proper restoration to be performed and maintained for the period required herein.

When a longitudinal street opening longer than ten (10) feet and wider than three (3) feet is made in the highway pavement, the Permittee shall mill and overlay the traffic lanes in which the opening was made for the entire length of opening.

When two or more transverse street trench openings are made in the highway pavements less than 100 feet apart, the Permittee shall mill and overlay the traffic lanes in which the openings were made for the entire length of the highway between such openings.

When four (4) or more street openings are made by the same Permittee in the highway pavement less than 100 feet apart, the City Engineer or Representative may require the Permittee to mill and overlay the entire disturbed area.

When the street opening is to be closer than three (3) feet from the edge of the existing pavement, the opening must be extended to the edge of the pavement.

When the permitted opening is to be closer than five (5) feet from the edge of an existing patch or patches in the pavement, the restoration shall be extended to include said patch or patches.

All Permittees test boring, or drilling into any City highway for location of leaks or venting of leaks will be required to backfill holes with 1-B stone to 1 1/2" below highway surface and fill and compact holes with asphalt material.

Pavement Markings: It is the permittee's responsibility to replace all Pavement markings that are removed or damaged. All material shall meet with the approval of The City Engineer or Representative.

200.8 COMPACTION AND BACKFILL

Do not commence with backfilling of any part of the excavation until an Engineering Representative has inspected such part.

Backfill each material at optimum moisture content and compact to a modified proctor density of not less than 95%. Compaction to be performed using vibrating compaction equipment or mechanical tampers. Hand tamp around utilities, if necessary.

Backfill trenches to contours and elevations with unfrozen materials.

All backfill material shall be either 2 RC or 2A modified stone as specified by PA DOT Form 408, Section 703.2 and 703.3 and placed in 6 inch (6") lifts to one foot (1') below the subgrade elevation for streets or poured surfaces.

Flowable Fill may be used for backfill of utility cuts under the street pavement with permission from the City Engineer and must meet the following PA DOT specifications:

Maximum Allowable Compressive Strength at 28 days of 200 psi.

Mix Design: 90lbs. Cement; 400lbs. Fly ash; 2652lbs. Sand; 480lbs.

Water. (57.6 gal.) 7" to 8" slump.

200.9 ASPHALTIC CONCRETE BASE PAVING

Streets with existing bituminous base or concrete base which predates 1940 as verified by the City Engineer or his or her Representative, final street restoration must consist of 8" min. of superpave asphalt mixture design, 25 MM binder course 0.3 ESALS. Place 1 ½" min. superpave wearing coarse asphalt mixture design, PG-22 < 0.3 million ESALS, 9.5 MM, SRL - L to match the existing street surface. (Detail D-1 on page 17)

Seal all edges with asphalt sealer set per PA DOT 408 section 469 and paint the date completed with white spray paint. Where concrete base restoration is required (See 200.13 Cement Concrete Base Paving).

200.10 TEMPORARY RESTORATION AND USE OF STEEL PLATES

The use of temporary cold patch may be used. Steel plates may be used under the following conditions.

1. Cut must be less than 6 feet in either length or width.
2. Plates shall be extended a minimum of 18 inches from each edge of the opening and must be secured to the pavement to prevent movement and noise by the use of pins, bolts and cold patch under and around the edges.
3. Permittee will not be allowed to place steel plates on City streets between October 31 and April 1 unless approved by the City Engineer.
4. Proper signage must be used indicating that steel plates are in use.
5. The thickness and material grade of the plate shall be sufficient to carry the PennDOT and AASHTO wheel load as certified by a licensed professional engineer.
6. Steel plates shall not be permitted to remain on street for more than 24 hours unless approved by the City Engineer.

Under no circumstances will the City permit a street cut to remain stone filled without a cover as mentioned in this paragraph.

200.11 WEATHER LIMITATIONS

Do not place asphalt or apply bituminous coatings when base surface temperature is less than 40 degrees, or surface is wet or frozen.

Utilize a temporary surface of cold patch, four inches (4") in depth, if final restoration cannot occur due to weather limitations.

200.12 MATERIALS

Bituminous tack coat set per PA DOT 408 section 460; Asphalt joint sealer set per PA DOT 408 section 469; 8" min. superpave asphalt mixture design, 25 MM binder course 0.3 ESALS; 1 1/2" min. superpave wearing coarse asphalt mixture design, PG-22 < 0.3 million ESALS, 9.5 MM mix, SRL - L.

200.13 CEMENT CONCRETE BASE PAVING

Streets with existing concrete base installed after 1940 with an opening exceeding four feet (4') in width will require concrete base restoration. (Detail D-2 on page 18)

The permittee will be required to dowel. Epoxy coated dowel bars 1-1/4" x 18" shall be installed in the concrete base placed at twelve inch (12") centers measured longitudinally in the direction of the traffic flow, place dowel bars to centerline and surface of the slab in conformance with PA DOT Specs 408.

Reinforcing welded steel wire fabric, plain type. ANSI/ASTM A185 uncoated finish may be required.

Where bituminous wearing course is to be used as the surface course, 1 1/2 "min, WMA superpave wearing coarse asphalt mixture design, pg-64-22, 0.3 to < 10 million esals, 9.5 mm mix, SLR - H is to be applied. Concrete base must match the existing concrete base and the depth of the bituminous areas must compensate to match the existing surface. Apply tack coat in accordance with PA DOT Pub.408, Section 160 over existing surface prior to spreading of new bituminous course. Do not apply after sunset or on a wet surface.

Paint the date completed with white spray paint upon the completed patch. Cement concrete shall be Class AA 500 psi mix as per PA DOT 408 standards.

The Office of the City Engineer shall be notified twenty-four (24) hours prior to placement of concrete.

200.14 BITUMINOUS CONCRETE CURB

This section will only be used in limited conditions where approved by the City Engineer.

200.15 TREES

No trees are to be removed, cut, trimmed or pruned without first obtaining the approval of the property owner and the City Bureau of Parks Maintenance.

200.16 PROTECTION OF SEWER SYSTEM/STORM WATER INLETS

No contractor may allow dirt or debris to enter the Sewer system. All stormwater inlets within the drainage area of the excavation must be protected by a filter system that will prohibit water from carrying silt or other debris into the sewer. Acceptable means of protection are the use of a filter material insertion into each inlet. (Detail D-24 on page 24).

200.17 RESTORATION OF ADJACENT SURFACES

It is the permittee's responsibility to properly restore any and all adjacent surfaces disturbed by the action of work in the right-of-way to equal or better condition than existed prior to start of work. Sidewalks, driveways, curbs, lawn or grass areas will be restored in accordance with City details. All work is to be done at the contractor's cost and expense to the satisfaction of the City Engineer and the property owner.

200.18 SIDEWALKS AND CURBS

The following details are the standard for all construction and repair involving curbs and sidewalks unless otherwise approved by the City Engineer. Details are found on the following pages:

D-4. Driveway - Page 19

D-7. Granite Curb - Page 20

D-8. Concrete Curb and Sidewalk - Page 21, [1/2" expansion joints every 20'-0" OC control joint 5' -0" and match existing joint]

D-18. Concrete Curb and Sidewalk with Grass Divider - Page 22

D-19. Concrete Curb and Sidewalk with Brick Divider on Concrete - Page 23

All sidewalk work in historical districts must obtain Historic Architectural Review Board (HARB) approval.

200.19 ADA ACCESSIBLE CURB RAMPS

For sidewalk and/or curb work at a street corner ADA ramps are required. ADA ramps must be upgraded to conform to the latest ADA standards, as required by PennDOT District 8 guidelines and applicable design standards. Designs must be reviewed by the City Engineer for approval prior to construction. The design submission should include a transmittal letter and ADA Ramp Plans, signed and sealed by the Design Engineer (11"x 17" size). Detectable Warning Surfaces shall be "Safety Yellow" in color.

See page 25 through 38 for PennDOT RC Standards for Curb Ramps and Sidewalks

STREET/SIDEWALK CUT PERMIT FEE SCHEDULE

City of Harrisburg Ordinance Section9-103.11

The office of the City Engineer shall charge an administration fee to a permittee for a street cut or sidewalk excavation, valid for a period of up to six months, the following amounts:

- (a) Application Fee for Utility work \$250
 - (b) Application Fee for work limited to only sidewalk and curb improvements.....\$25
-

The office of the City Engineer shall charge an inspection fee for all utility excavations within the street and sidewalk surfaces in the following amounts:

(No inspection fee will be charged for non utility sidewalk and curb improvements)

- (a) Inspection fee up to and including three square yards of surface opening.....\$60
 - (b) Additional square yard of surface opening \$30 per square yard
 - (c) Inspection fee for steel plates..... \$60 per plate
 (If permitted to be used on a street for longer than 24 hrs.)
 - (d) Inspection fee for long term closures in high volume areas (vehicular or pedestrian) or in areas of complicated traffic patterns or detours..... \$100
- Note: The City Engineer will make the determination as to whether this inspection fee is applicable and promptly notify applicant before issuing permit.

**The minimum permit charge is one square yard.
Fractions are rounded up to the nearest whole square yard.**

The office of the City Engineer shall charge an administration fee to extend permits for up to an additional six months in the following amount:

- Supplement fee..... \$250
-

DEGRADATION FEE:

Degradation fee will be charged to a permittee for a street cut or excavation that has been applied for and granted within ten years after the City has repaved a street. This charge will be on a sliding scale basis.

Minimum charge for a degradation fee is two square yards rounded to the next whole square yard.

1st Year	2nd Year	3rd Year	4th Year	5th Year	6th-10th Year
\$150/SY	\$140/SY	\$130/SY	\$120/SY	\$110/SY	\$100/SY



STREET CUT PERMIT APPLICATION FORM

City of Harrisburg - Department of Engineering & Development
123 Walnut Street, Suite 212 Harrisburg, PA 17101-1618
Phone: 717-255-3091 E-mail: streetcuts@harrisburgpa.gov

Permittee Information

Applicant Company Name:

Contact Person:

Address:

Phone:

Fax:

E-mail:

24 Hour Emergency Phone (If different from above):

Web Site:

City Merchantile Account Number:

Job or WR Number:

Street Cut Information

Address of Opening:

Cut will be in street:	ft. long,	ft. wide	ft. deep	Distance to nearest intersection:
Sidewalk:	ft. long,	ft. wide	ft. deep	

Work Description:

Estimated Start Date/Time:

PA One Call Serial Number:

Bond Number:

Bond Expiration Date:

Notes:

IN ORDER FOR US TO BETTER UPDATE YOUR INTERACTIVE MAP PLEASE TYPE IN GPS COORDINATES OF YOUR DIG LOCATION

Use [Google Maps](https://www.google.com/maps) or a GPS App from any smartphone or tablet device.

Use the DD (Decimal Degrees) format for Latitude (X) and Longitude (Y). (Example 40.000000 and -76.000000) Use closest location as possible if you will be doing multiple cuts. Contact the City Engineer's office for more information and instructions.

Latitude (X):

Longitude (Y):

AGREEMENT OF ISSUANCE OF STREET CUT PERMIT

This is an Agreement made between the City of Harrisburg ("City") and the applicant named above ("Permittee") for the issuance of a Street Cut Permit. In consideration of the mutual obligations undertaken herein and intending to be legally bound, the parties hereby agree as follows:

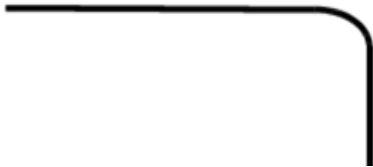
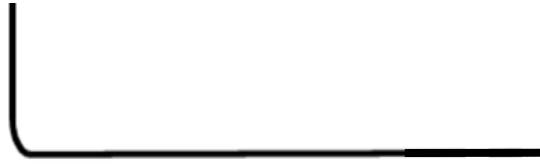
1. The City hereby agrees to grant a permit, by and through the Office of the City Engineer, for the opening and cutting of the street pavement.
2. The Permittee agrees to pay the just and full Street Cut Permit Fees for issuance of the above described permit.
3. As a condition of issuance of said permit, Permittee agrees that within six (6) months after permit issue date, to restore the above described premises to the same good order and repair which it was prior to the opening and cutting thereof, and to maintain the same for a period of two (2) years from the date of such final restoration, subject at all times to the approval and acceptance of the City.
4. As a further condition to receiving the permit the Permittee agrees to pay or cause to be paid the total costs of any and all work necessary to restore and maintain said street(s) as described herein. Should Permittee fail to do so, City shall have the right to perform or cause to be performed such work, and Permittee agrees to pay the costs of all work necessary to restore and maintain said street(s) within thirty (30) days after any bill therefore has been submitted by the City.
5. It is understood and agreed by all parties involved that the Permittee is responsible to understand and conform to all O.S.H.A., State and City Regulations including but not limited to trenching and shoring and has received, read, understands and will abide by the City's Standard Specifications, as revised, and the City of Harrisburg Workplace Violence Policy, as amended. (Copies are available at the Office of the City Engineer)
6. This permit or license may be suspended or revoked at any time by the Mayor or designee if it is determined that the holder of the permit or license secured the same by misrepresentation; failed to maintain qualifications required by federal, state or local laws; engaged in fraudulent behavior or misleading advertising; consented to or allowed any behavior which would constitute a crime under federal, state or local laws, including but not limited to drug trafficking or drug possession; committed an act of gross negligence, or allowed any manner or form of public nuisance. (Executive order 1-2002)

Applicant's Signature: _____ Date: _____

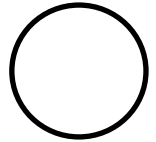


**CITY OF HARRISBURG
DEPARTMENT OF ENGINEERING & DEVELOPMENT
SKETCH FORM AND GENERAL INSTRUCTIONS**

Draw or attach a detailed sketch including all measurements. See sample sketch on page 13



SHOW NORTH
ARROW



PERMIT REQUIRED

You must have a Street Cut Permit in your possession while you work within any City Street where such work involves any of the following:

1. Opening of the street surface.
2. Installation, replacement, repair or adjustment of utility facilities or other structures.
3. Drilling of test, or vent holes.

APPLICATION FORM

Complete all items on the face of this form. Describe in detail what work you intend to do, how you intend to perform the work, and the materials you intend to use. You must include your City Business Mercantile Account Number, City Building and or Plumbing Permit Number and a valid PA One Call Serial Number. You must read, sign and date your application.

An electronic form is available. Contact the City Engineer's office for more information.

To avoid delays, submit your application to the City Engineer's office at least 3 working days prior to the anticipated start of work.

PLANS

Include a complete sketch of good quality on your application. The plans must clearly illustrate the location and pertinent dimensions of both the proposed installations(s) and related highway features and must comply with City Ordinance, Section 202.

ADDITIONAL PLAN REQUIREMENTS

Traffic Control: A traffic control plan is required for all work within the City. All plans shall comply with Section 6123 of the Vehicle Code and the applicable provisions of 67 PA Code, Chapter 203.

FEES

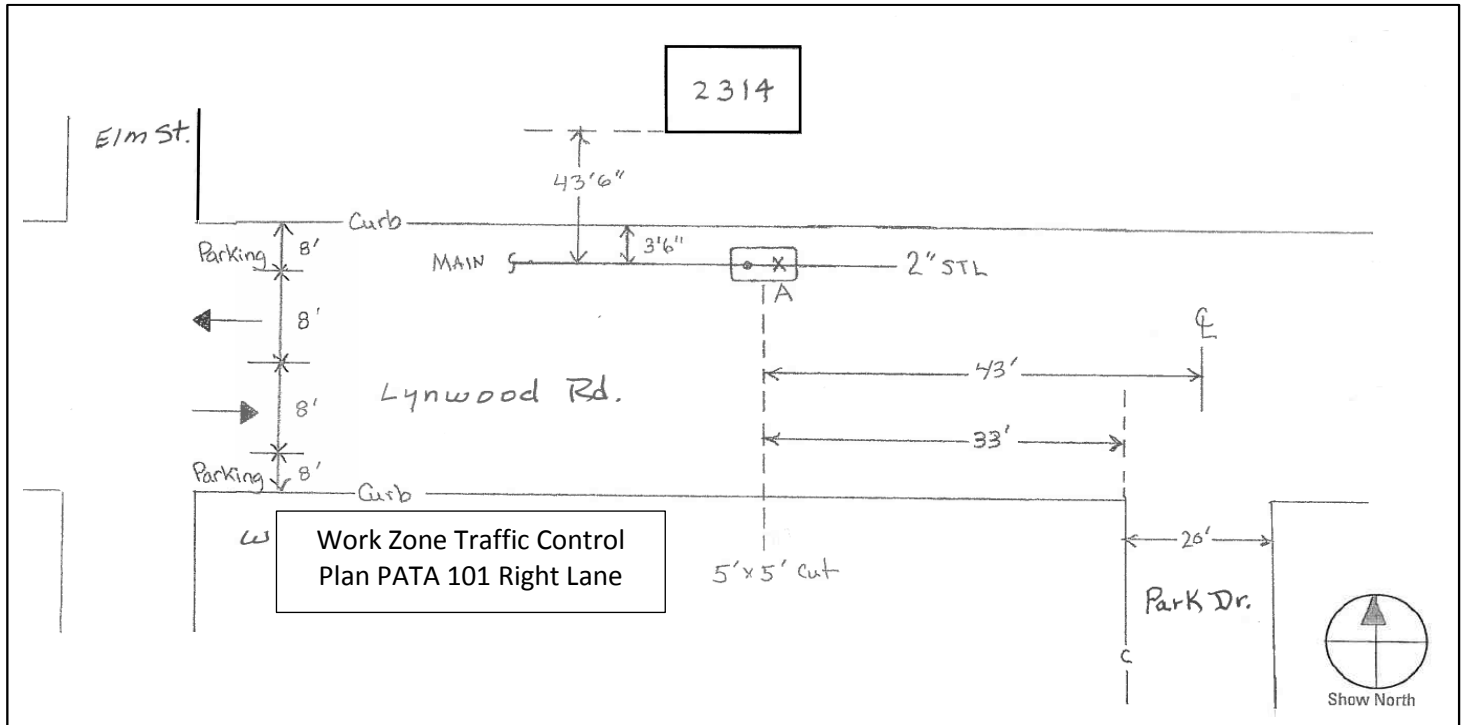
Submit a check or money order, payable to "City Treasurer," at receipt of your completed Street Cut permit unless you are approved for monthly billing. Fees are levied in accordance with the fees specified by City Ordinance, Section 903.13.

STREET CUT PERMIT

Upon approval of this application you will receive your copy of the Street Cut Permit. The issued Permit may prescribe special conditions and restrictions, which are in addition to the City's Regulations. Failure to comply with all State regulations or City Procedures Manual & could result in you being suspended from working within the City Right-of-Way.

Street Cut Permits expire after six (6) months from issue date.

SAMPLE SKETCH INCLUDING WORK ZONE TRAFFIC CONTROL PLAN



PATA 101 (Old PATA 5) - Notes

1. The shadow vehicle and traffic control devices are not required if the work space is outside the highway right-of-way, behind barrier, more than 2' behind curb, or 15' or more from the edge of any roadway.
2. For operations of 60 minutes or less, all traffic control devices may be eliminated if a shadow vehicle is present.
3. For divided highways and one-way highways where it is physically possible, advance warning signs should also be placed on the left-hand side of the roadway.
4. When a shadow vehicle is not used, distance A is measured from the Road Work (W20-1) sign location to beginning of work space.

Signs



W20-1

Sign Spacing Chart

Condition	Distance			
	A	B	C	F
	Feet	Feet	Feet	Feet
Urban 35 MPH or less	100	100	100	100
Urban Greater than 35 MPH	350	350	350	350
Rural	500	500	500	500

When multiple distance plaques are used on advance warning signs, they shall all be of the same series type.
Example: either all "AHEAD" or XXX FEET.

Taper Length Formulas

S	L
40 MPH or less	$L = \frac{WS^2}{60}$
45 MPH or more	$L = WS$

S = Regulatory Speed Limit
W = Width of Offset

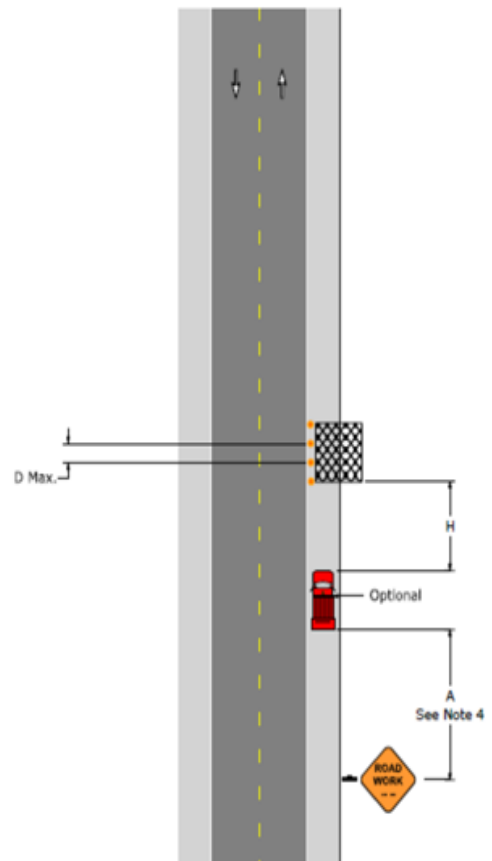
Distance and Spacing Quick Reference Chart

Speed	W	L	1/2L	1/3L	Min. Channelizing Devices Per Taper Type (Length)				D	E	H
					L	1/2L	1/3L	50'			
MPH	Feet	Feet	Feet	Feet	L	1/2L	1/3L	50'	Feet	Feet	Feet
25	10	105	55	35	6	6	6	6	50	155	150
	11	115	60	40	6	6	6	6	60	200	150
	12	125	65	45	6	6	6	6	70	250	150
30	10	150	75	50	6	6	6	6	60	200	150
	11	165	85	55	7	7	7	7	70	250	150
	12	180	90	60	7	7	7	7	80	305	150
35	10	205	105	70	7	7	7	7	70	250	150
	11	225	115	75	8	8	8	8	80	305	150
	12	245	125	85	8	8	8	8	90	360	150
40	10	270	135	90	8	8	8	8	80	305	150
	11	295	150	100	9	9	9	9	90	360	150
	12	320	160	110	9	9	9	9	100	425	150
45	10	450	225	150	11	11	11	11	110	495	150
	11	495	250	165	12	12	12	12	120	555	150
	12	540	270	180	13	13	13	13	130	615	150
50	10	500	250	170	11	11	11	11	110	495	150
	11	550	275	185	12	12	12	12	120	555	150
	12	600	300	200	13	13	13	13	130	615	150
55	10	550	275	185	11	11	11	11	110	495	150
	11	605	305	205	12	12	12	12	120	555	150
	12	660	330	220	13	13	13	13	130	615	150

Note: Channelizing devices used in taper shall be equally spaced at 1/2 D Max.

PATA 101 (Old PATA 5)

Work Space On Or Beyond The Shoulder (No Roadway Encroachment)





CITY OF HARRISBURG
DEPARTMENT OF ENGINEERING & DEVELOPMENT

123 WALNUT STREET, SUITE 212

HARRISBURG, PA 17101-1695

PHONE: 717-255-3091 – EMAIL: streetcuts@harrisburgpa.gov

APPLICATION FOR SUPPLEMENTAL STREET CUT PERMIT

APPLICANT: _____ CONTACT PERSON: _____

ADDRESS: _____ ZIP: _____

PHONE: _____ EMAIL: _____

24 HOUR EMERGENCY PHONE (IF DIFFERENT FROM ABOVE): _____

ORIGINAL PERMIT NUMBER: _____

ORIGINAL EXPIRATION DATE: _____

REASON FOR SUPPLEMENT: _____

OTHER INFORMATION: _____

CITY OF HARRISBURG - DEPARTMENT OF ENGINEERING & DEVELOPMENT

STREET CLOSURE REQUEST FORM

123 Walnut Street, Suite 212, Harrisburg, PA 17101

Phone: 717-255-3091 E-mail: streetcuts@harrisburgpa.gov

This request for permission to close a street within the City of Harrisburg must be completed and received by the city engineer for review at least 3 business days prior to the planned closure. The city engineer will inspect the location, review your detour and traffic control plans and approve or disapprove your request. Please note that you are responsible for the actual physical closure and must follow all city, state and federal regulations in respect to Work Zone Traffic Control. Refer to PennDOT Pub 213 (67 PA Code, Chapter 212). A Traffic Control plan must accompany this form showing detours and traffic control figures. It is your responsibility to notify all property owners within the affected closure area. It is also your responsibility to notify Harrisburg City Parking Enforcement (717-255-3141) and Park Harrisburg (717-234-2274) at least two days prior to closing for temporary no parking signs to be posted.

STREET NAME:

STREET FROM:

STREET TO:

DATE FROM:

TIME FROM:

DATE TO:

TIME TO:

TYPE OF CLOSURE: COMPLETE, PARTIAL OR BOTH:

HAVE ALL RESIDENTS BEEN NOTIFIED?

YES / NO

CONTRACTOR INFO

COMPANY NAME, CONTACT
PERSON, ADDRESS, PHONE,
E-MAIL, FAX ETC.

CLOSURE INFO:

REASON, LEFT, RIGHT OR
CENTER LANES, OPEN
DURING NIGHT HOURS ETC.

DETOUR:

USE BACK OF PAGE OR ADD
TO THIS FORM IF MORE
SPACE IS NEEDED:

I have read, understand and will follow all requirements. By clicking on the green E-Mail button you agree with the above terms and signature is not required. If printing form you must sign here:

SIGNATURE _____

PRINT YOUR NAME HERE:

BELOW TO BE COMPLETED BY CITY OF HARRISBURG PERSONNEL

ADDED TO MAP:

BUSINESS LICENSE #

APPROVED BY:

DATE SENT:

COMMENTS:

SAMPLE

USE YOUR COMPANY LETTERHEAD HERE

NOTICE OF CONSTRUCTION

DEAR RESIDENT:

THIS NOTICE IS TO INFORM YOU THAT _____ WILL BE

WORKING AT OR IN THE VICINITY OF _____ FOR THE

PURPOSE OF _____

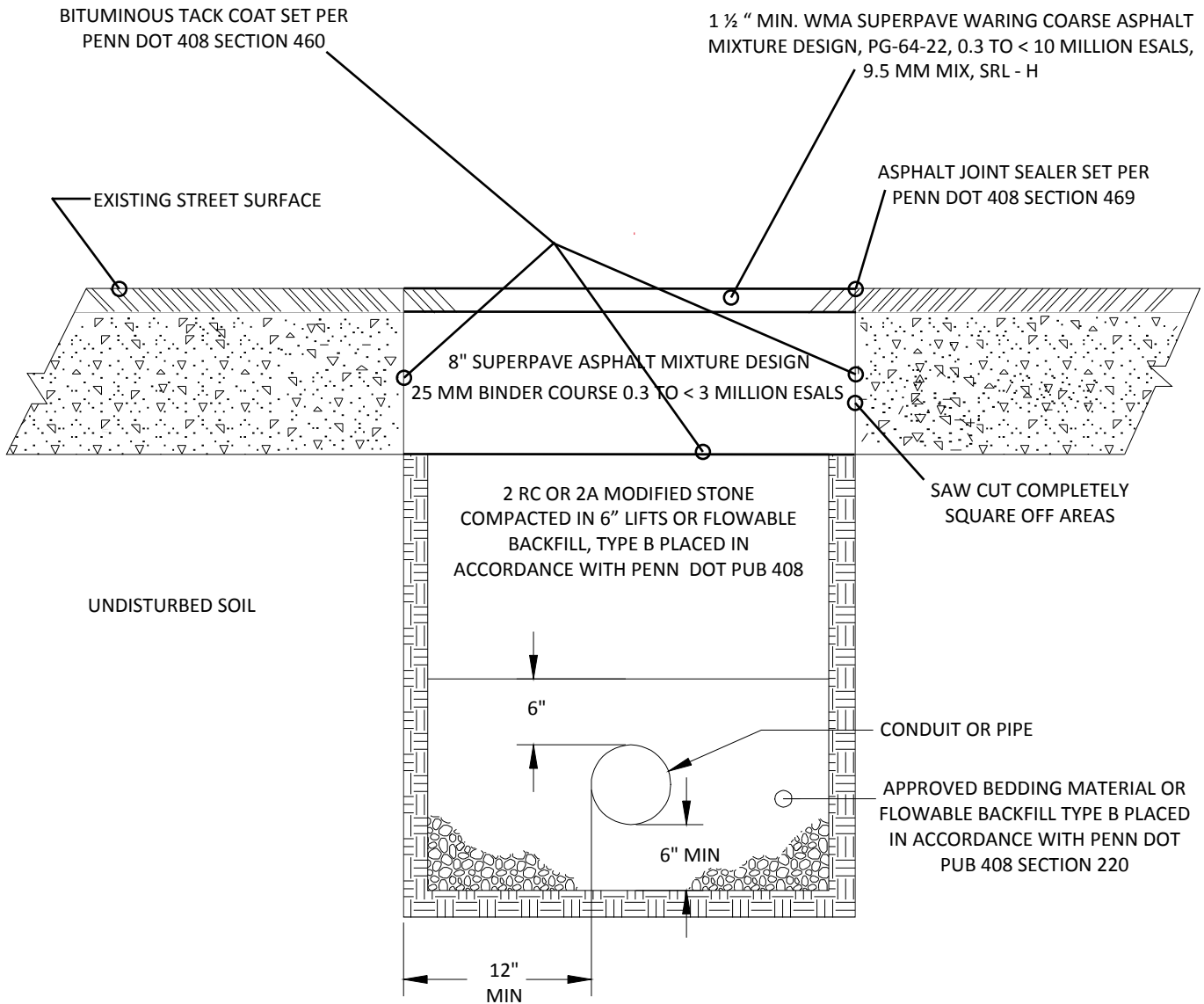
WORK IS SCHEDULED TO BEGIN ON / ABOUT _____ AND END ON / ABOUT _____

SOME INCONVENIENCES MAY OCCUR BECAUSE OF THIS WORK. WE WILL DO EVERYTHING POSSIBLE TO KEEP IT AT A MINIMUM.

IF, AT ANY TIME YOU HAVE ANY QUESTIONS OR CONCERNS REGARDING THIS NOTICE OR THE WORK

BEING PERFORMED YOU CAN CONTACT US AT _____ AND ASK FOR _____

THANK YOU FOR YOUR UNDERSTANDING.



PREPARE AND PATCH TEMPORARY UTILITY PATCHES IN ACCORDANCE WITH PENN DOT PUBLICATION 408 SECTION 450 – MANUAL BITUMINOUS PATCHING

THE USE OF A MILLING OR PLANING MACHINE IS PERMITTED



THE CITY OF HARRISBURG
DEPARTMENT OF ENGINEERING & DEVELOPMENT

STANDARD BITUMINOUS CONCRETE BASE COURSE STREET RESTORATION DETAIL

DRAWN BY: KARL SCHILL

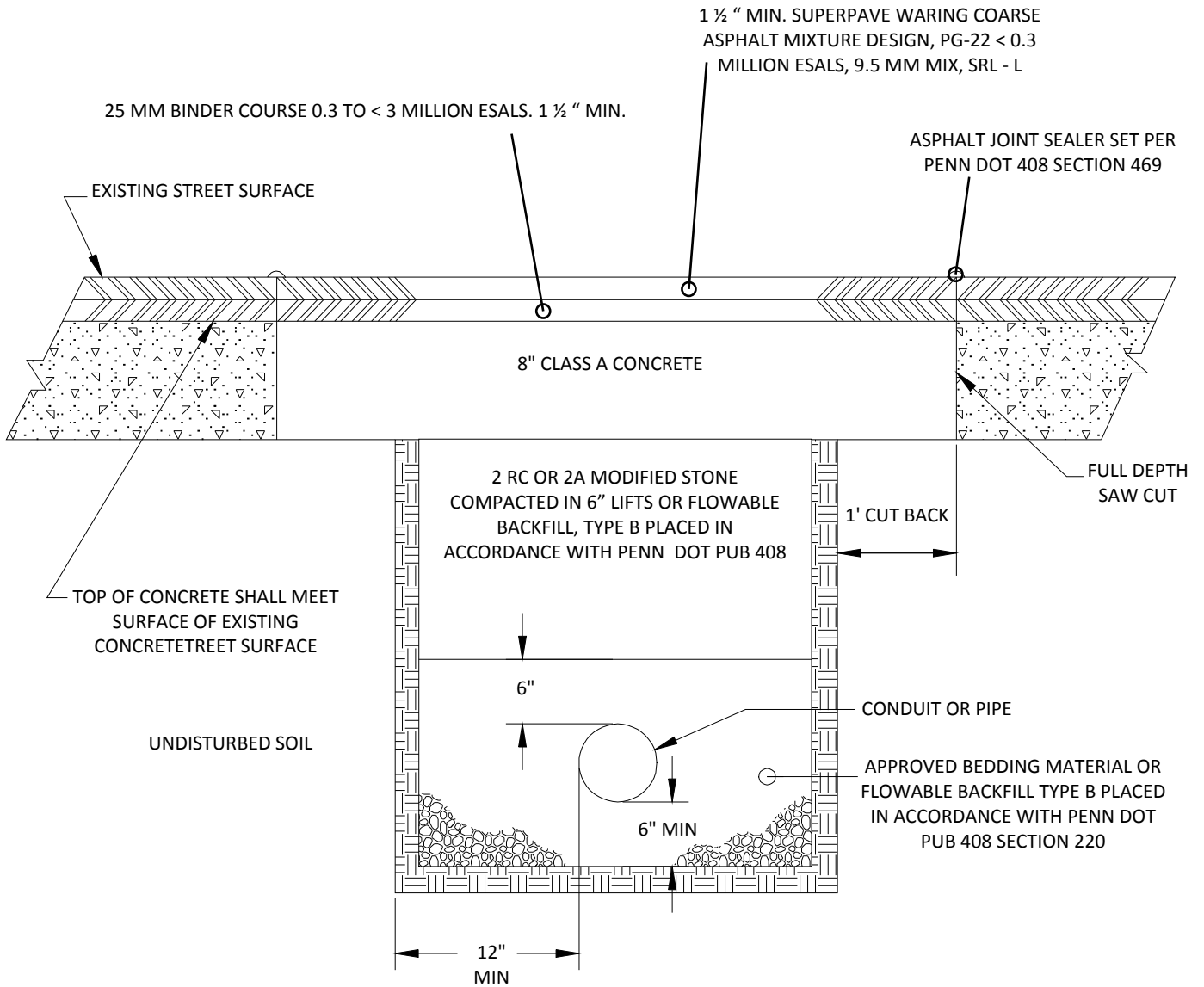
DATE: 12/14/2016 - UPDATED 6/13/2019

CHECKED BY: WAYNE S. MARTIN, PE

SCALE: NONE

SHEET:

D-1



THE CITY OF HARRISBURG
DEPARTMENT OF ENGINEERING & DEVELOPMENT

CONCRETE BASE RESTORATION DETAIL

DRAWN BY: KARL SCHILL

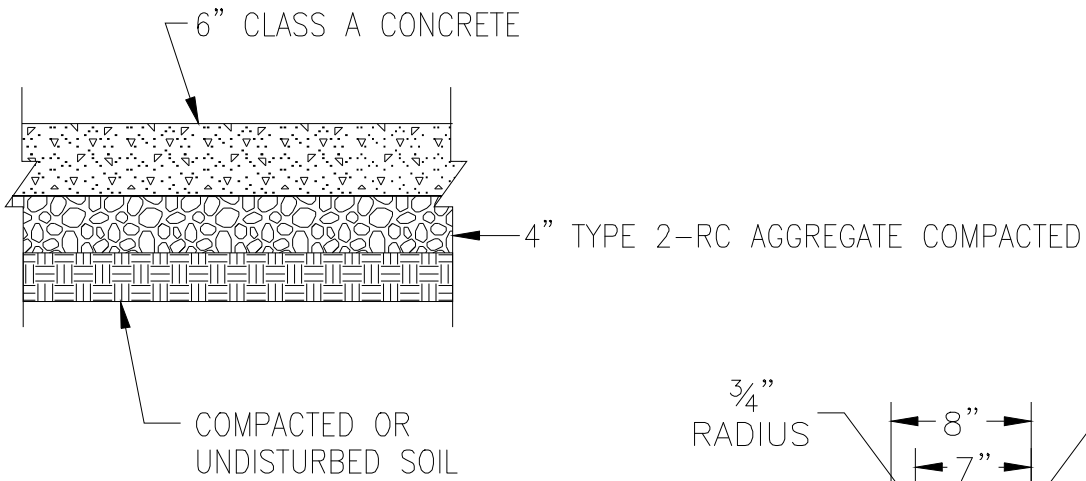
DATE: 12/14/2016 - UPDATED 9/14/2017

CHECKED BY: WAYNE S. MARTIN, PE

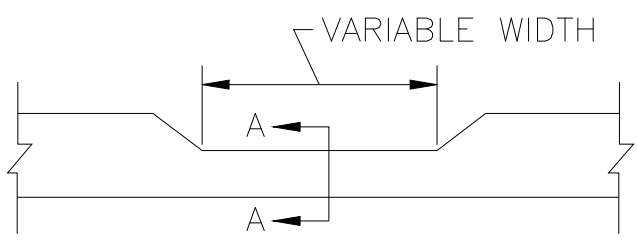
SCALE: NONE

SHEET:

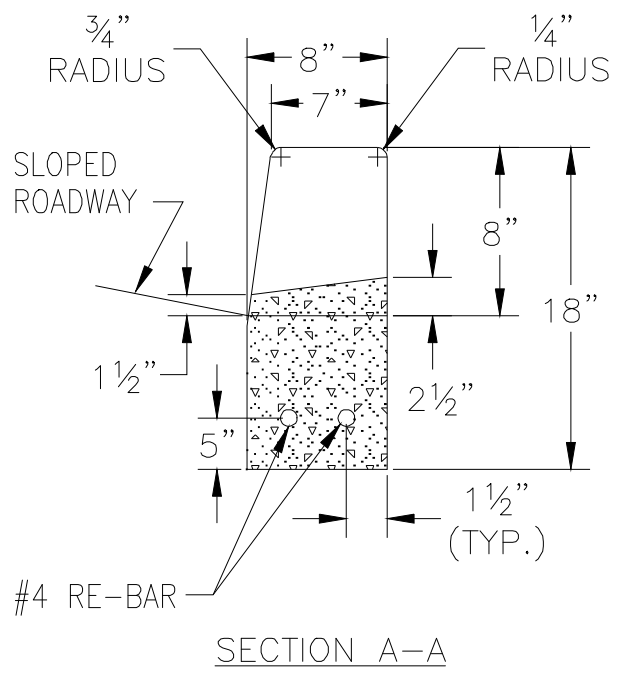
D-2



CONCRETE APRON AT DRIVEWAY ENTRANCE DETAIL
NO SCALE



PLAN VIEW



SECTION A-A

DRIVEWAY ENTRANCES:

(A) DRIVEWAY ENTRANCES OR APRONS WITHIN THE STREET RIGHT-OF-WAY SHALL BE SURFACED TO THEIR FULL WIDTH. THE WIDTH OF ACCESS ROADS OR DRIVEWAYS SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS.

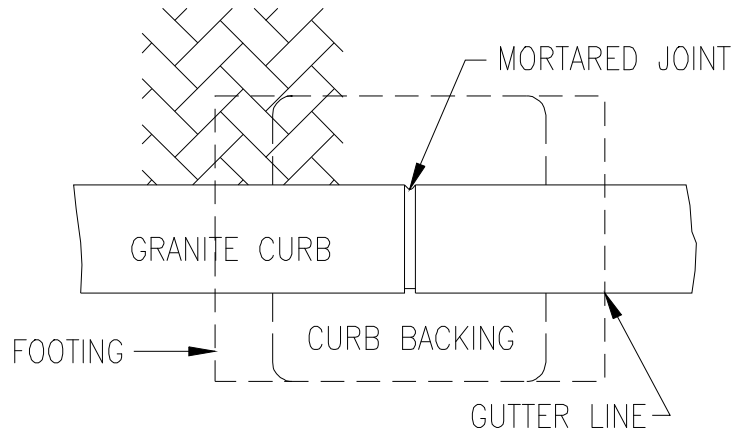
- (1) FOR MULTI-FAMILY RESIDENTIAL, MOBILE HOME PARKS, AND ALL NON-RESIDENTIAL DEVELOPMENTS OR SUBDIVISIONS, DRIVEWAY ENTRANCES SHALL BE NO LESS THAN TWENTY FOUR (24) FEET IN WIDTH AT THE STREET LINE, AND SHALL CLEARLY BE DEFINED BY THE USE OF CURBING.
- (2) FOR SINGLE FAMILY RESIDENTIAL, DRIVEWAYS SHALL BE NO LESS THAN TEN (10) FEET IN WIDTH AND NO GREATER THAN TWENTY (20) FEET IN WIDTH AT THE STREET LINE.



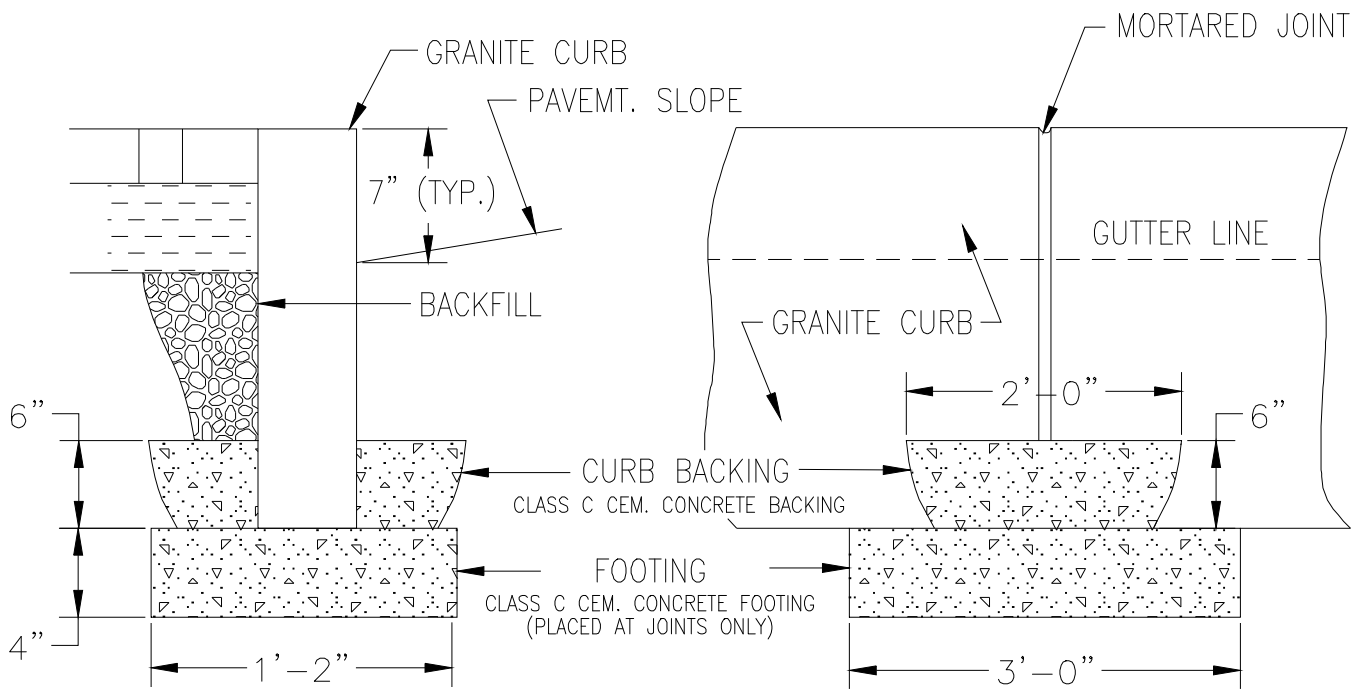
THE CITY OF HARRISBURG
OFFICE OF THE CITY ENGINEER

PROJECT: STANDARD DRIVEWAY DETAIL	
DRAWN BY: MICHAEL J. HILTON	DATE: SEPTEMBER 25, 1996
CHECKED BY: KRISTIE A. HEBERLIG	SCALE: NONE

SHEET:
D-4



PLAN



SECTION

ELEVATION



THE CITY OF HARRISBURG
OFFICE OF THE CITY ENGINEER

PROJECT: GRANITE CURB DETAIL

DRAWN BY: MICHAEL J. HILTON

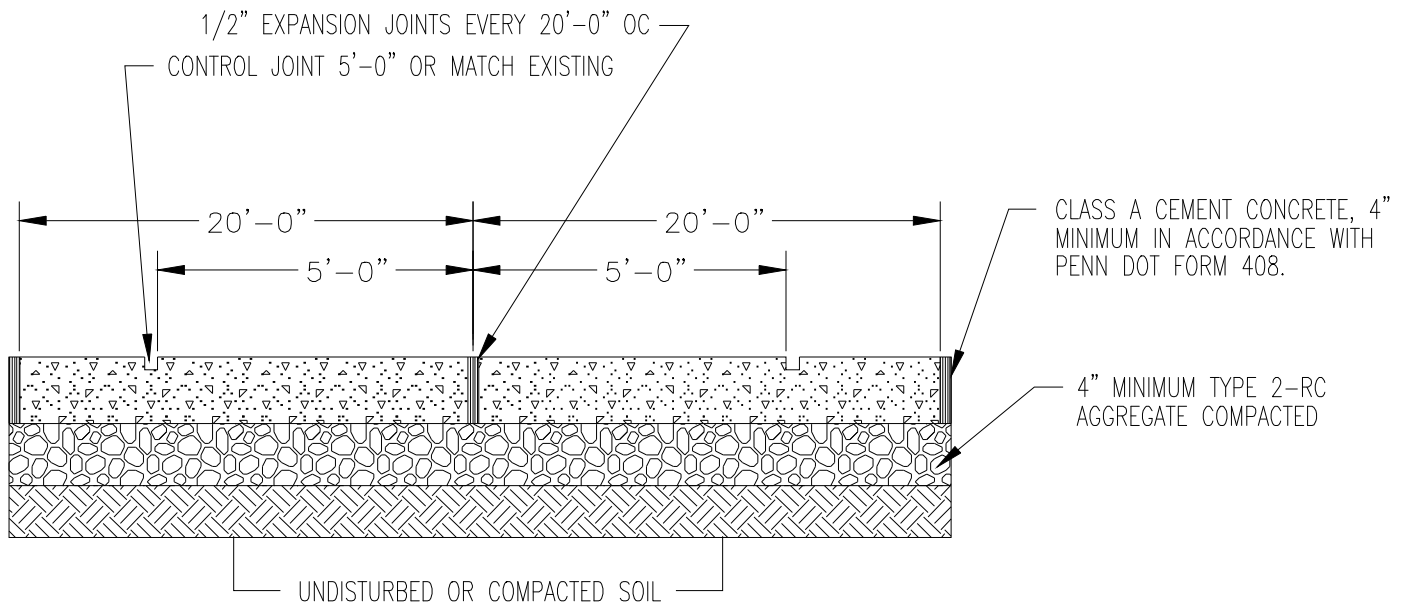
CHECKED BY: KRISTIE A. HEBERLIG

DATE: AUGUST 30, 1996

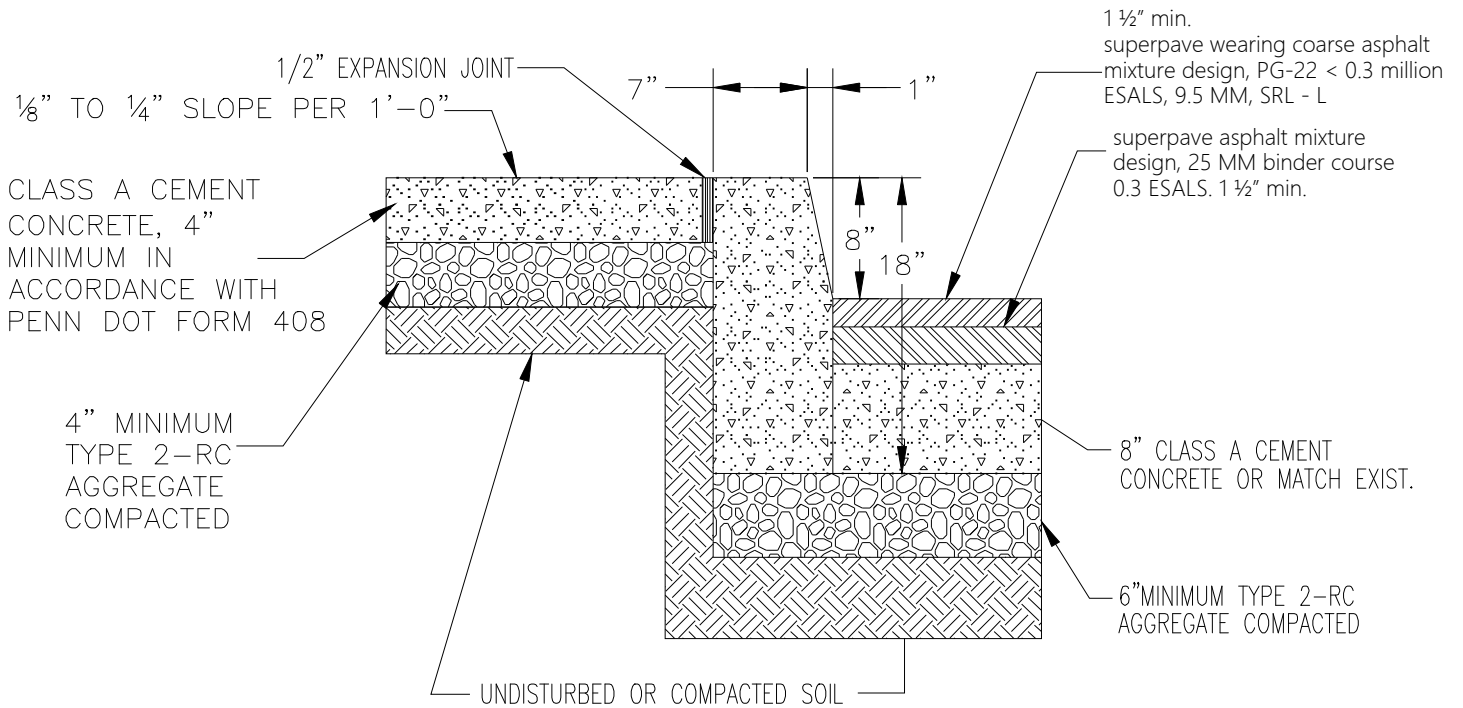
SCALE: NONE

SHEET:

D-7



LONGITUDINAL SECTION



TRANSVERSE SECTION



THE CITY OF HARRISBURG
OFFICE OF THE CITY ENGINEER

PROJECT: CONCRETE CURB & SIDEWALK DETAIL

DRAWN BY: MICHAEL J. HILTON

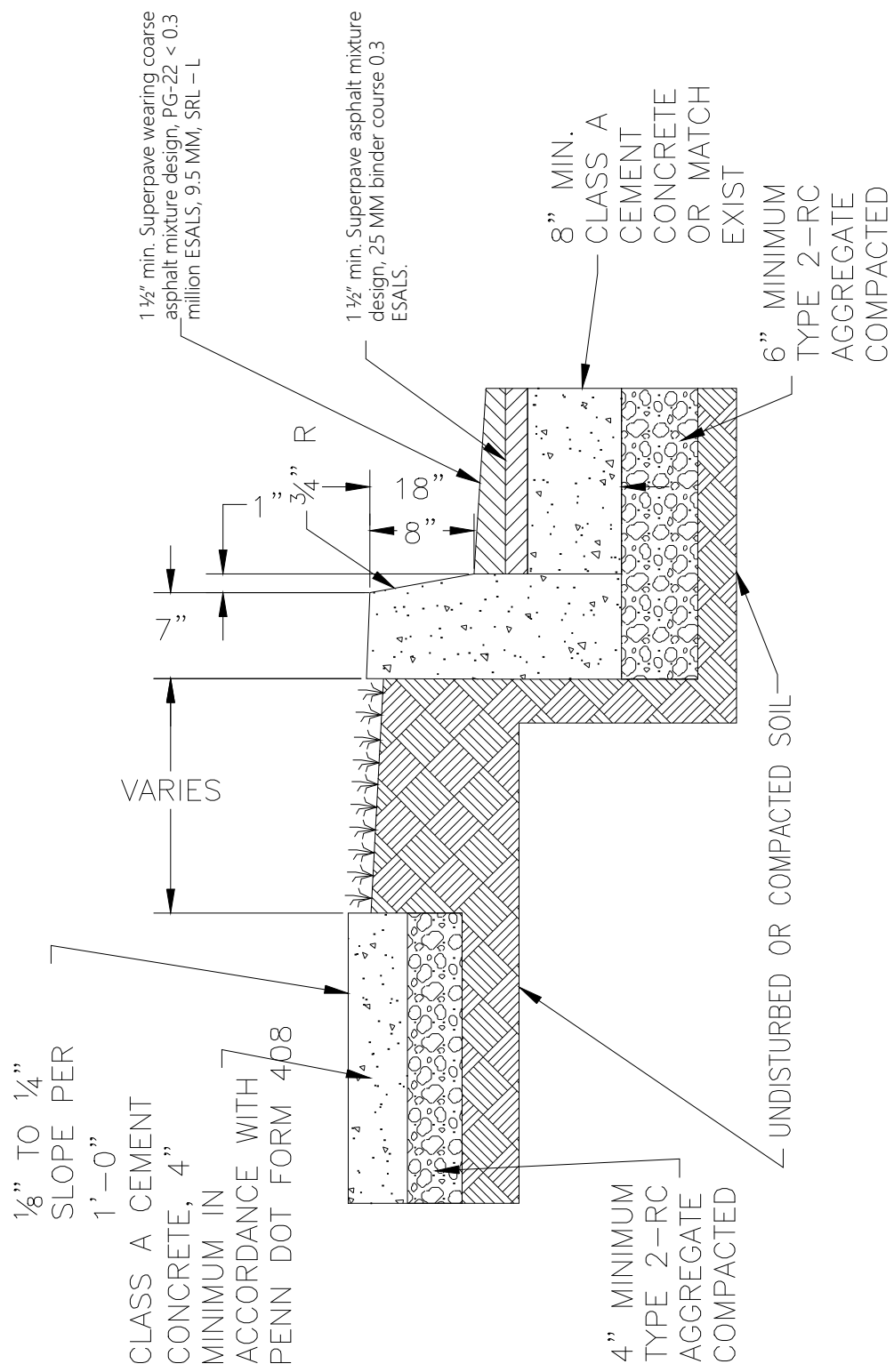
DATE: SEPTEMBER 25, 1996

CHECKED BY: KRISTIE A. HEBERLIG

SCALE: NONE

SHEET:

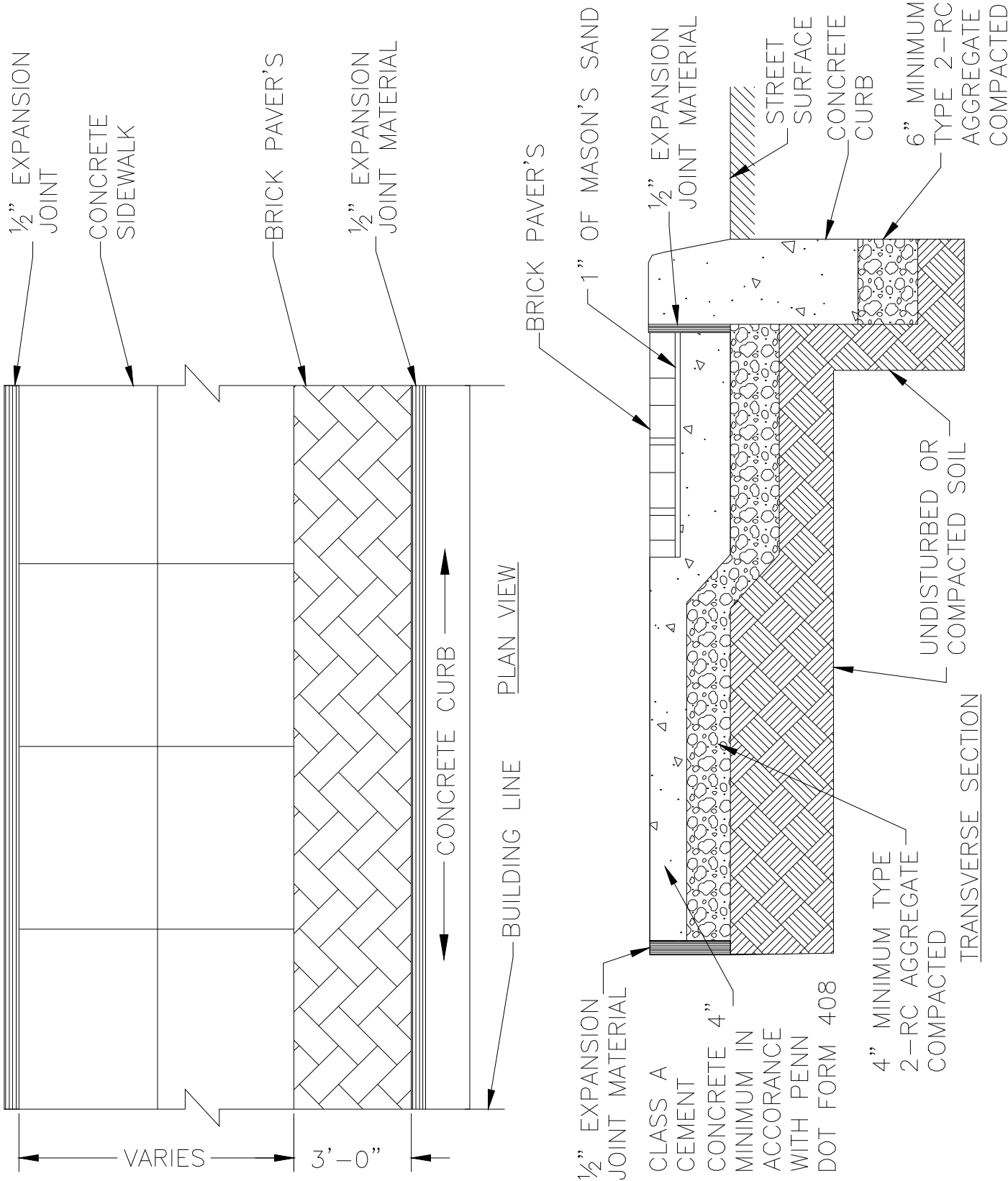
D-8



THE CITY OF HARRISBURG
OFFICE OF THE CITY ENGINEER

PROJECT: CONCRETE CURB & SIDEWALK WITH GRASS DIVIDER DETAIL
 DRAWN BY: MICHAEL J. HILTON
 CHECKED BY: KRISTIE A. HEBERLIG
 DATE: SEPTEMBER 25, 1996
 SCALE: NONE

SHEET:
D-18



THE CITY OF HARRISBURG
OFFICE OF THE CITY ENGINEER

PROJECT: CONCRETE CURB & SIDEWALK W/ BRICK DIVIDER (CONCRETE BASE) DETAIL

DRAWN BY: MICHAEL J. HILTON

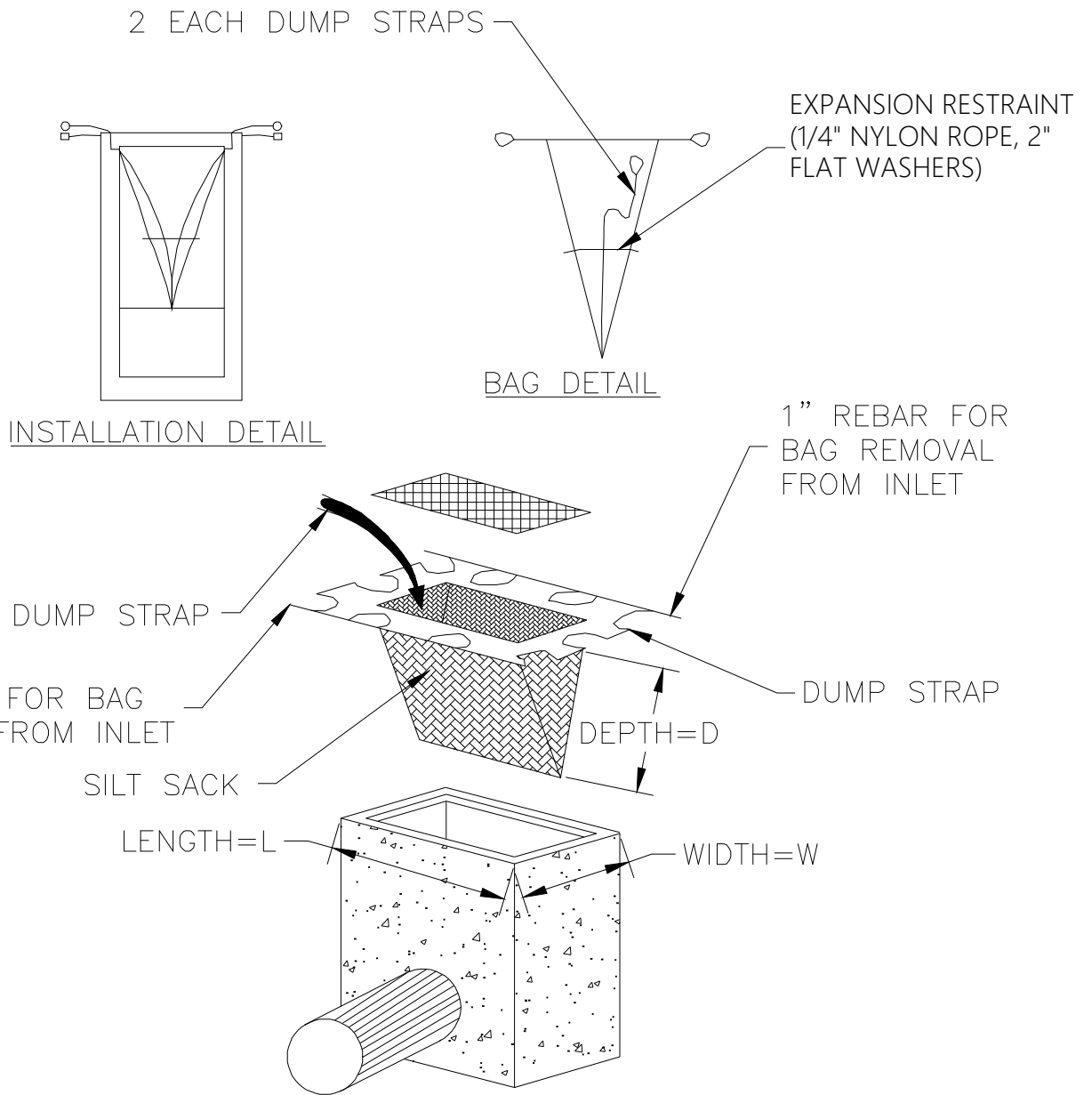
DATE: SEPTEMBER 25, 1996

CHECKED BY: KRISTIE A. HEBERLIG

SCALE: NONE

SHEET:

D-19



THE CITY OF HARRISBURG
OFFICE OF THE CITY ENGINEER

PROJECT: INLET SEDIMENT CONTROL DEVICE DETAIL

DRAWN BY: MICHAEL J. HILTON

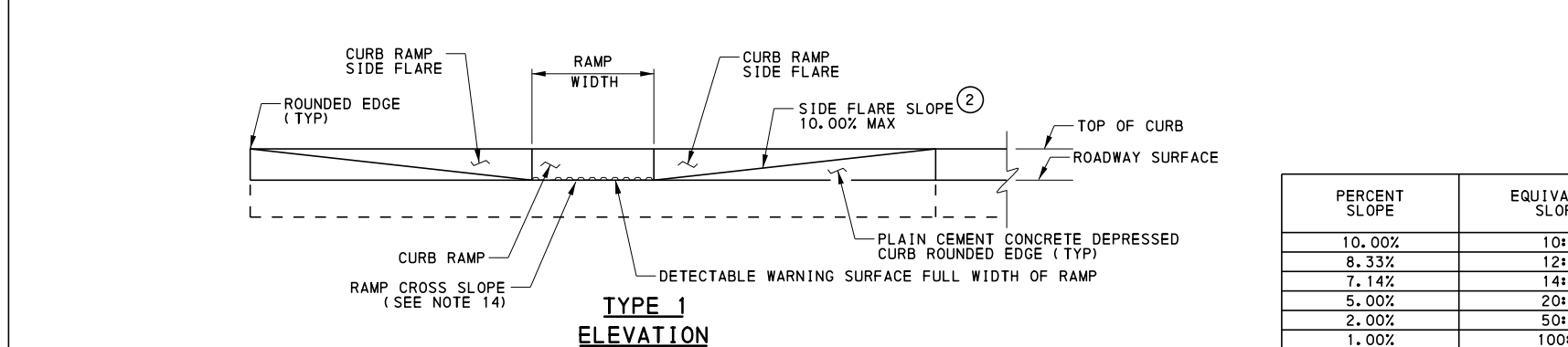
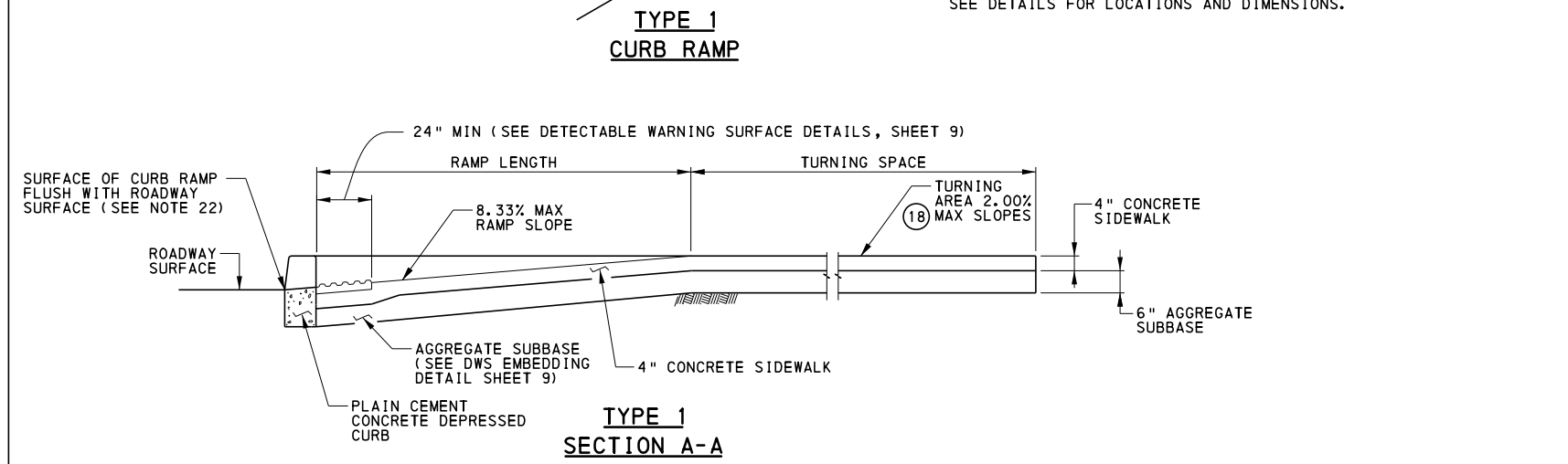
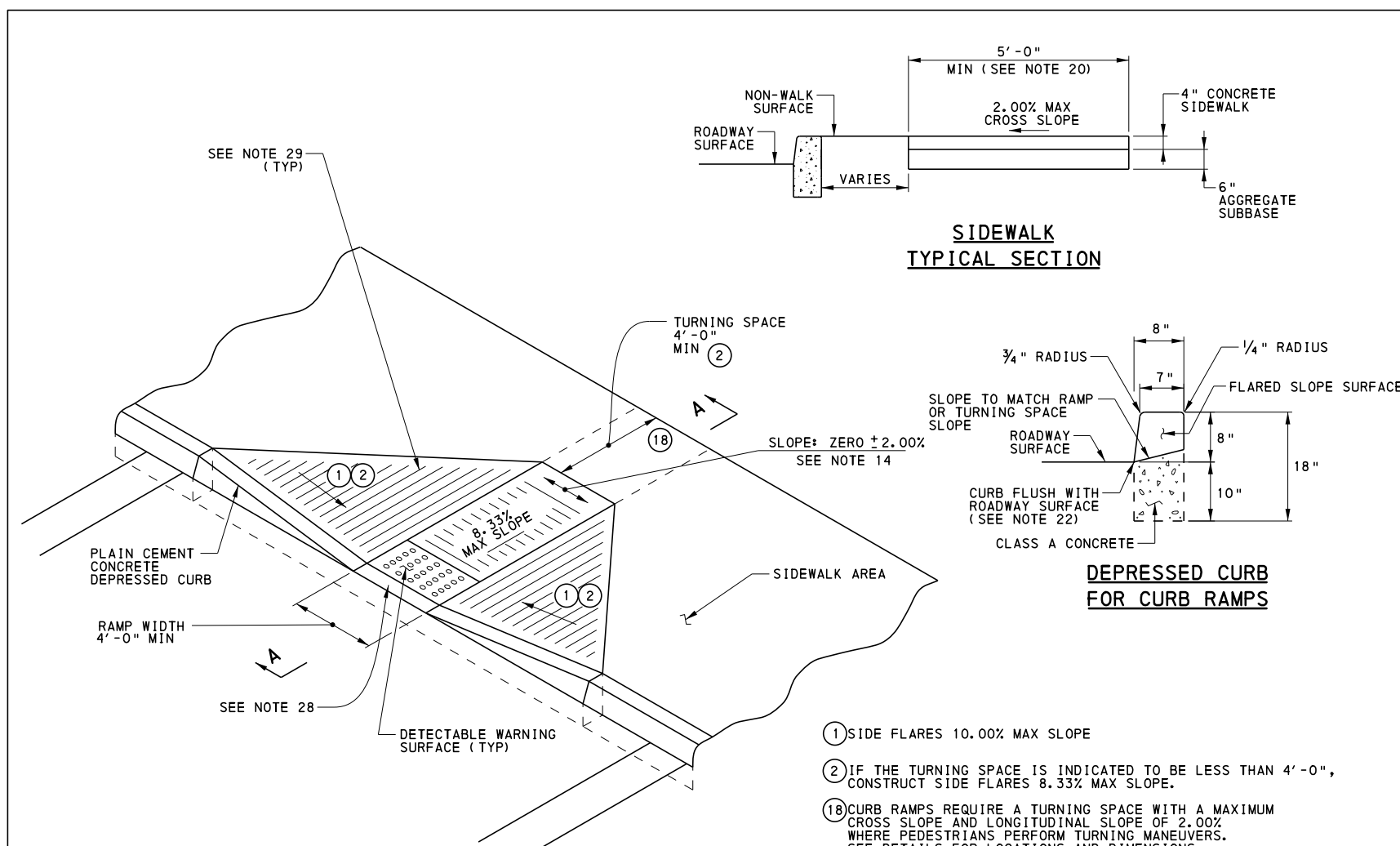
DATE: SEPTEMBER 25, 1996

CHECKED BY: KRISTIE A. HEBERLIG

SCALE: NONE

SHEET:

D-24



- NOTES**
1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTIONS 350, 409, 630, 676, 694, AND 695.
 2. PROVIDE EXPANSION JOINT MATERIAL 1/8" 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 RAMP WITH A MINIMUM 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 SIDE FLARES.
 6. MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB HEIGHTS WHERE THE CURB IS LESS THAN THE STANDARD 8" HEIGHT.
 7. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE.
 8. TO AVOID CHASING GRADE INDEFINITELY WHEN TRAVERSING THE HEIGHT OF CURB, RAMP LENGTH NOT TO EXCEED 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. THE DETAILS DEPICT PEDESTRIAN PUSHBUTTON POLES TO ILLUSTRATE THE RECOMMENDED PLACEMENT OF PEDESTRIAN PUSHBUTTONS. FOR ALTERATION PROJECTS, PROVIDE ACCESS TO EXISTING PEDESTRIAN PUSHBUTTONS TO THE MAXIMUM EXTENT FEASIBLE. INSTALL PEDESTRIAN PUSHBUTTON STUB POLES, WHERE APPLICABLE, SO AS NOT TO CREATE PEDESTRIAN OBSTRUCTIONS.
 11. SEE TC-8803 FOR ADDITIONAL PEDESTRIAN PUSHBUTTON DETAILS NOT SHOWN.
 12. ALIGN DETECTABLE WARNING SURFACE TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB. SEE SHEET 9 FOR INSTALLATIONS ALONG CURVED SURFACES.
 13. PROVIDE DETECTABLE WARNING SURFACES (DWS) 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.
 14. FOR NEW CONSTRUCTION, DO NOT EXCEED 2.00% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESS ROUTE.
 15. 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.
 16. 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.
 17. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 13.33%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, TURNING SPACE OR BLENDED TRANSITION IS NOT TO EXCEED 5.00%. SEE SHEET 8 FOR DETAILS.
 18. THE CONSTRUCTION STANDARDS DEPICTED ARE MOST APPROPRIATE FOR NEW CONSTRUCTION. ALL CONSTRUCTION MUST MEET THE STANDARDS CONTAINED HEREIN UNLESS OTHERWISE NOTED OR DIRECTED.
 19. 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 6" CURB DOES NOT NECESSARILY MEAN A RAMP LENGTH OF 6'-0" FOR A 12:1 SLOPE.)
 20. SIDEWALK WIDTH MAY BE REDUCED TO 4'-0", WHEN PASSING AREAS 5'-0" X 5'-0" ARE PROVIDED EVERY 200'.
 21. THE TRAVEL LANE IS DEFINED BY THE OUTSIDE EDGE OF THE WHITE PAVEMENT MARKING LINE. IF A WHITE PAVEMENT MARKING LINE DOES NOT EXIST, THE TRAVEL LANE IS DEFINED BY THE CONTRACT DOCUMENTS.
 22. CONSTRUCT DEPRESSED CURB FOR CURB RAMP FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATIONS AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. FOR LEVEL TURNING SPACES BEHIND DEPRESSED CURB, ADJUST SLOPES TO PROVIDE POSITIVE DRAINAGE. AT THE JOINT BETWEEN DEPRESSED CURB AND ROADWAYS, REMOVE EXCESS JOINT SEALER AND COVER THE SEALED AREA WITH A LIGHT APPLICATION OF DRY SAND.
 23. 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 OR FLATTER. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN PATH.
 24. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALKS, FLARES).
 25. FOR CURB RAMP THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES. SEE SHEET 7 FOR DETAILS.
 26. A 4'-0" MAXIMUM DIGITAL DISPLAY LEVEL WILL BE USED TO VERIFY THE SLOPES OF CURB RAMP AND SIDEWALKS.
 27. INSTALL DUMMY JOINTS WHERE RAMPS, TURNING SPACES, FLARES, AND SIDEWALKS ABUT.
 28. CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE AND HAVE A FLUSH CONNECTION. TRANSITION CURB RAMP CROSS SLOPE TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3.00% PER 1'-0" CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
 29. DO NOT SCORE OR MAKE GROOVES ON SLOPED SURFACES. LINES SHOWN ON DETAILS ARE FOR ILLUSTRATION ONLY. SEE NOTE 5.

- ① SIDE FLARES 10.00% MAX SLOPE
- ② IF THE TURNING SPACE IS INDICATED TO BE LESS THAN 4'-0", CONSTRUCT SIDE FLARES 8.33% MAX SLOPE.
- ⑱ CURB RAMP REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

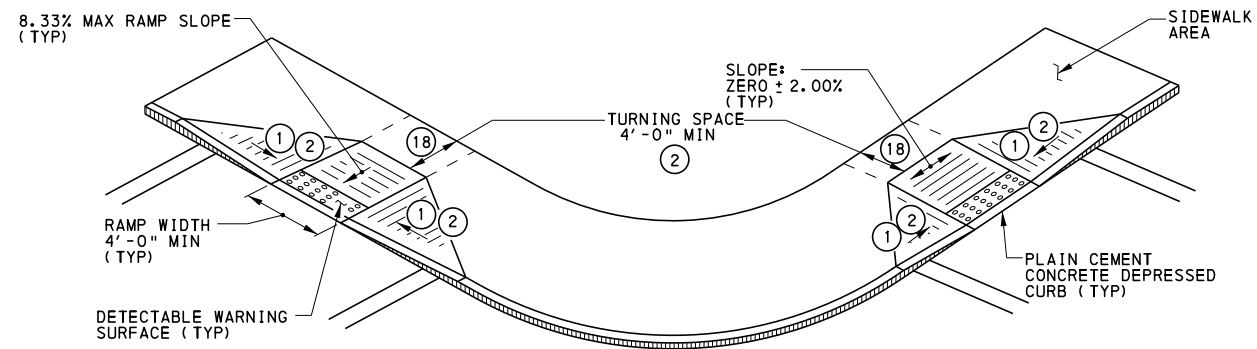
PERCENT SLOPE	EQUIVALENT SLOPE
10.00%	10:1
8.33%	12:1
7.14%	14:1
5.00%	20:1
2.00%	50:1
1.00%	100:1

EQUIVALENT SLOPES

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DEPARTMENT OF TRANSPORTATION
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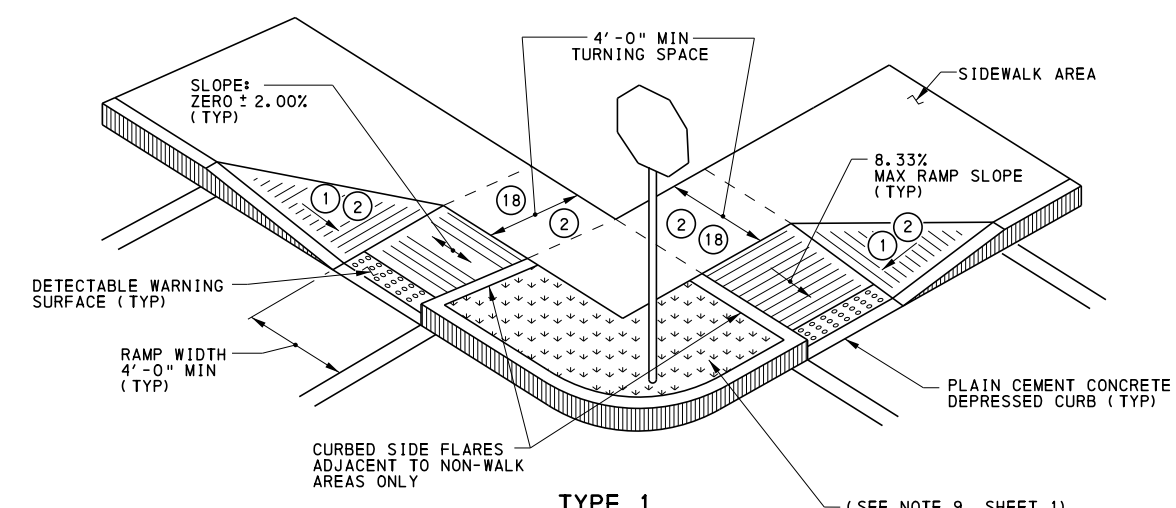
CURB RAMPS AND SIDEWALKS
NEW CONSTRUCTION OR
ALTERATION DETAILS
TYPE 1 CURB RAMPS AND
TYPICAL SECTIONS

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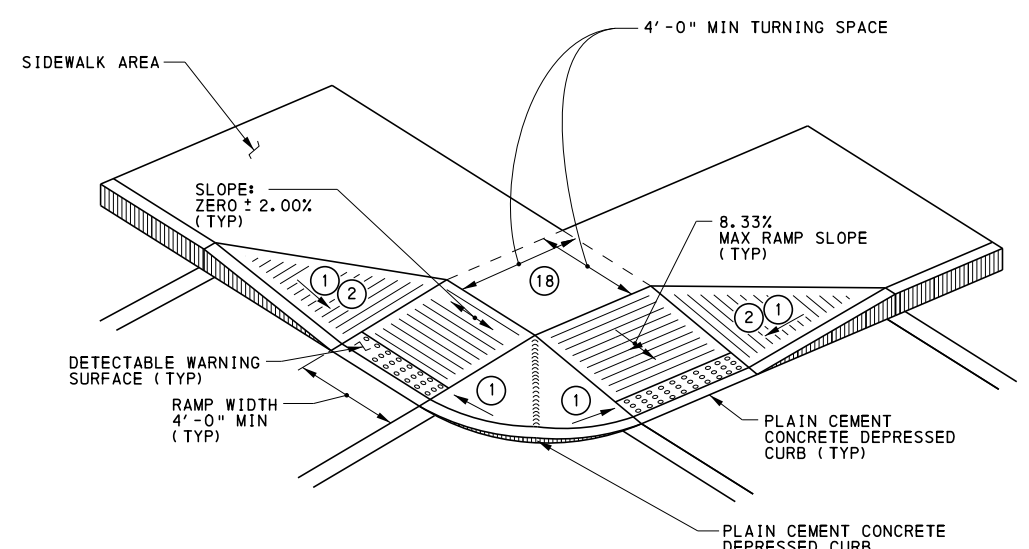


NOTE: IF SPACE IS LIMITED, IT MAY BE NECESSARY TO CURB THE SIDE FLARES OF THE TYPE 1 CURB RAMPS (SEE ALTERNATE INSTALLATION DETAIL BELOW). PEDESTRIAN TRAFFIC SHOULD NOT BE DIRECTED TO CROSS THE VERTICAL DROP.

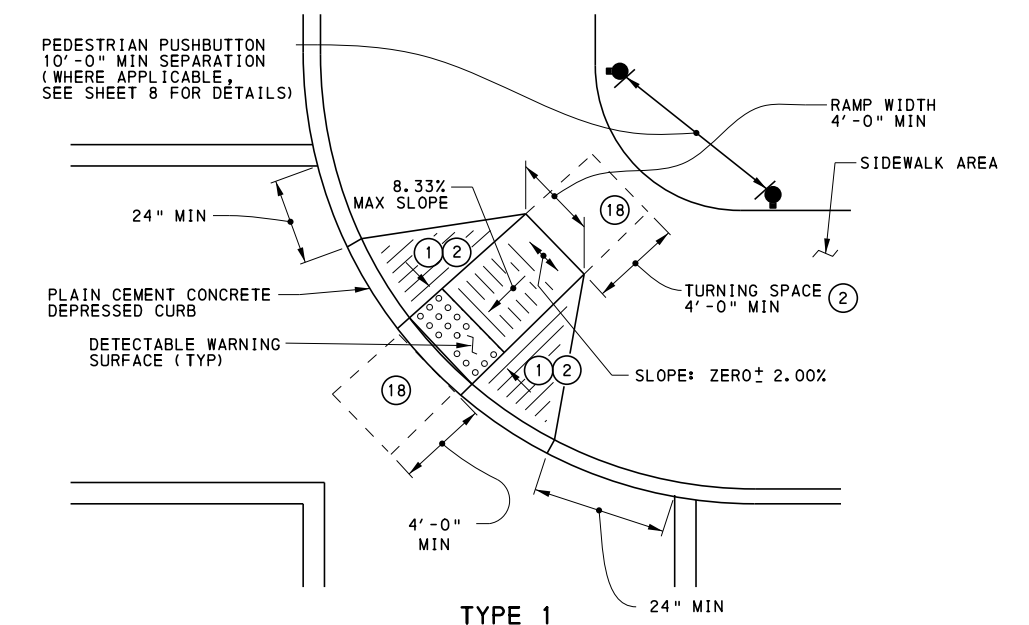
**TYPE 1
DOUBLE CURB RAMPS
(PREFERRED INSTALLATION)**



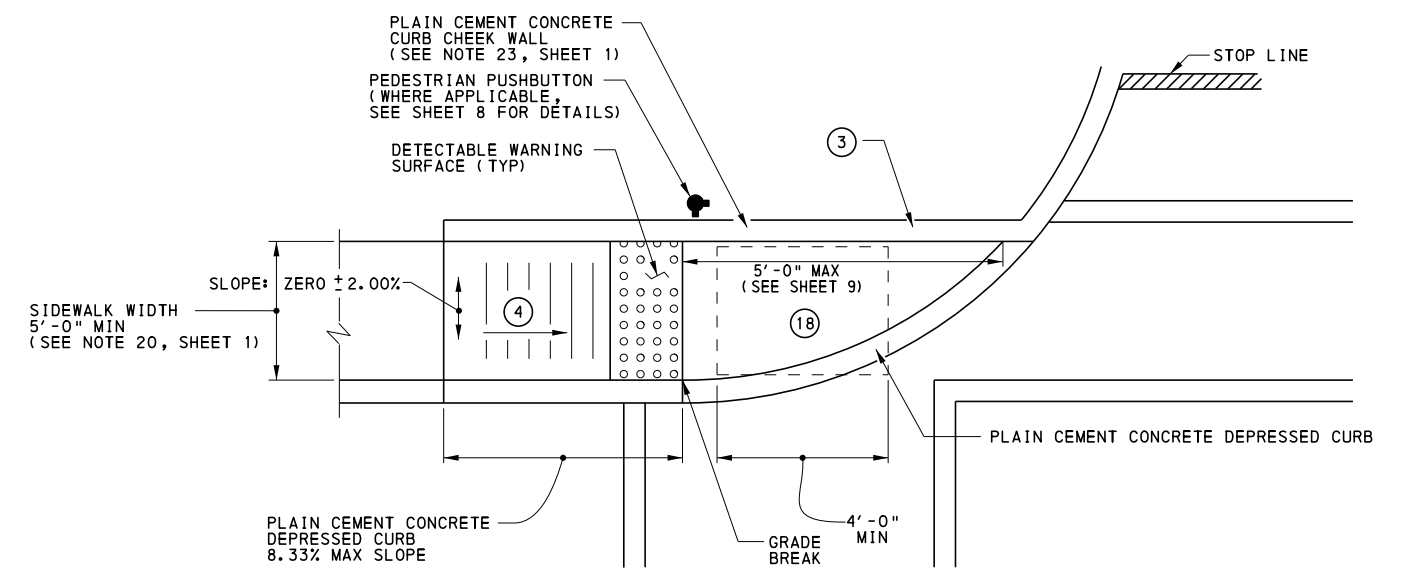
**TYPE 1
DOUBLE CURB RAMPS
(ALTERNATE INSTALLATION)**



**TYPE 1 CURB RAMPS
WITH SHARED TURNING SPACE**



**TYPE 1
CURB RAMP
(DIAGONAL - REQUIRES ASSISTANT
DISTRICT EXECUTIVE APPROVAL)**



**TYPE 1A
CURB RAMP
ASSISTANT DISTRICT EXECUTIVE APPROVAL
REQUIRED IF TURNING SPACE
IS NOT ENTIRELY ON SIDEWALK**

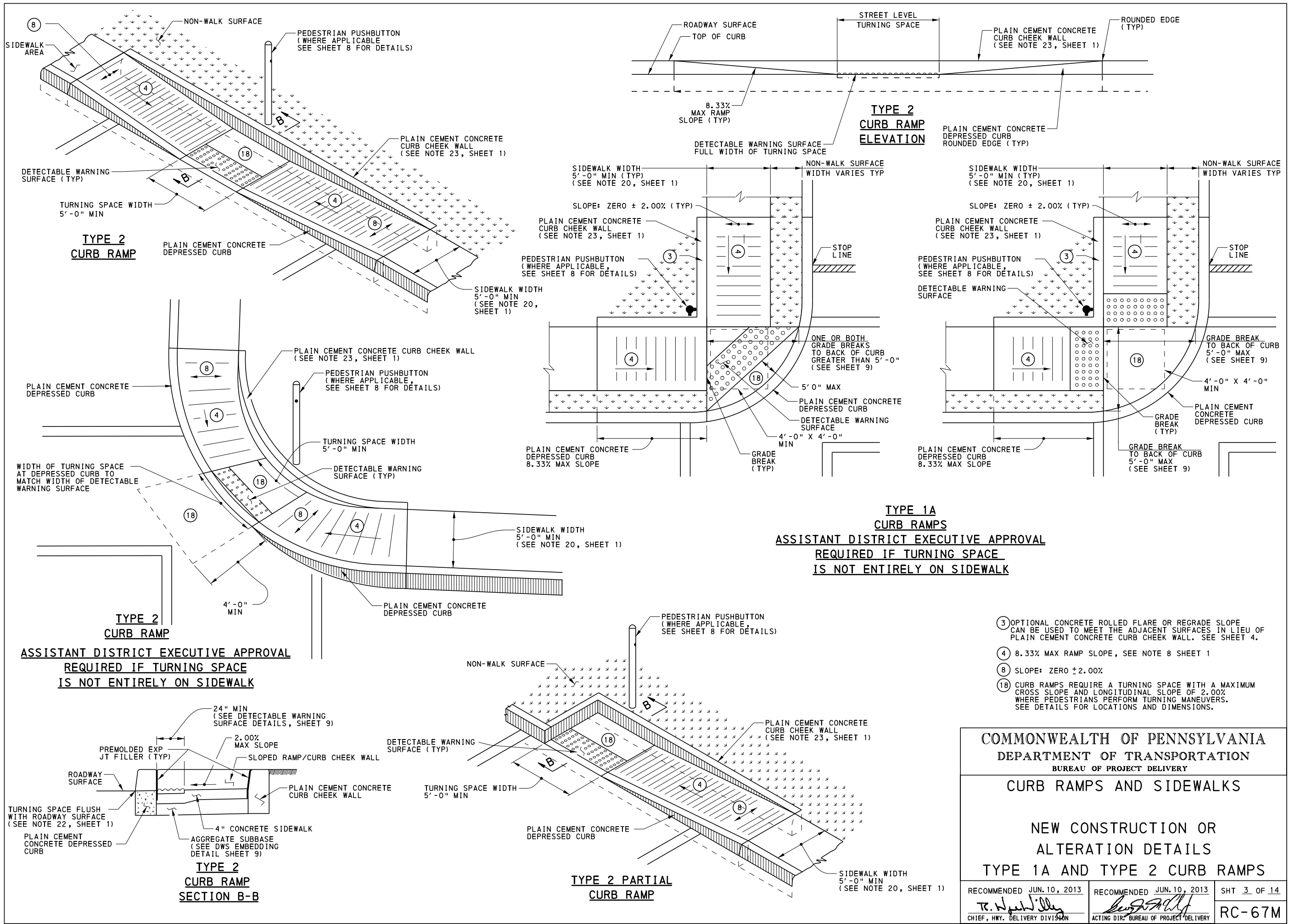
- ① SIDE FLARES 10.00% MAX SLOPE.
- ② IF THE TURNING SPACE IS INDICATED TO BE LESS THAN 4'-0", CONSTRUCT SIDE FLARES 8.33% MAX SLOPE.
- ③ OPTIONAL ROLLED CONCRETE SURFACE OR REGRADE SLOPE CAN BE USED TO MEET THE ADJACENT SURFACES IN LIEU OF A RETURN CURB CHEEK WALL.
- ④ 8.33% MAX RAMP SLOPE, SEE NOTE 8 SHEET 1.
- ⑧ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

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CURB RAMPS AND SIDEWALKS

**NEW CONSTRUCTION OR
ALTERATION DETAILS
TYPE 1 AND TYPE 1A CURB RAMPS**

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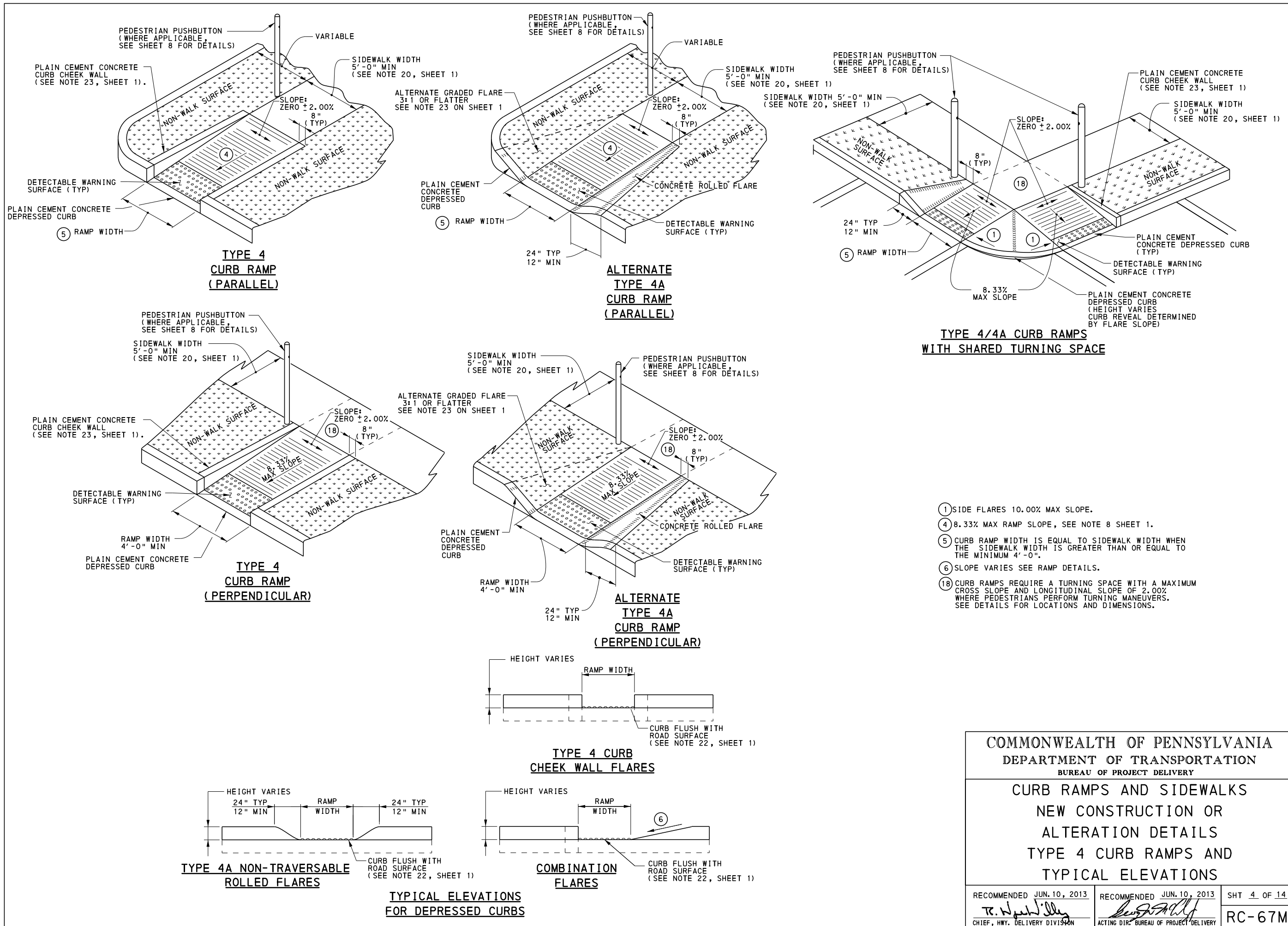
- ③ OPTIONAL CONCRETE ROLLED FLARE OR REGRADE SLOPE CAN BE USED TO MEET THE ADJACENT SURFACES IN LIEU OF PLAIN CEMENT CONCRETE CURB CHEEK WALL. SEE SHEET 4.
- ④ 8.33% MAX RAMP SLOPE, SEE NOTE 8 SHEET 1
- ⑧ SLOPE: ZERO ± 2.00%
- ⑱ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

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CURB RAMPS AND SIDEWALKS

NEW CONSTRUCTION OR ALTERATION DETAILS
TYPE 1A AND TYPE 2 CURB RAMPS

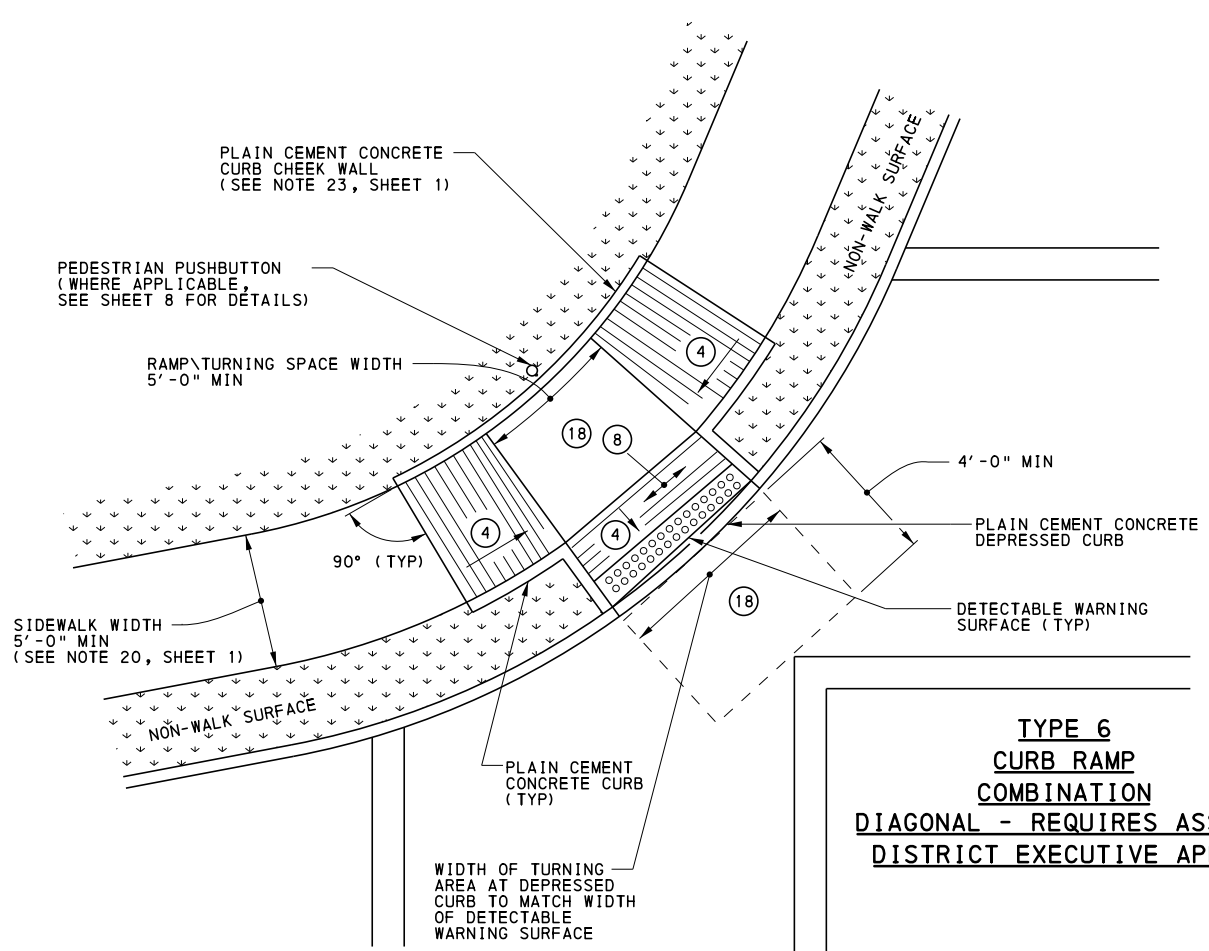
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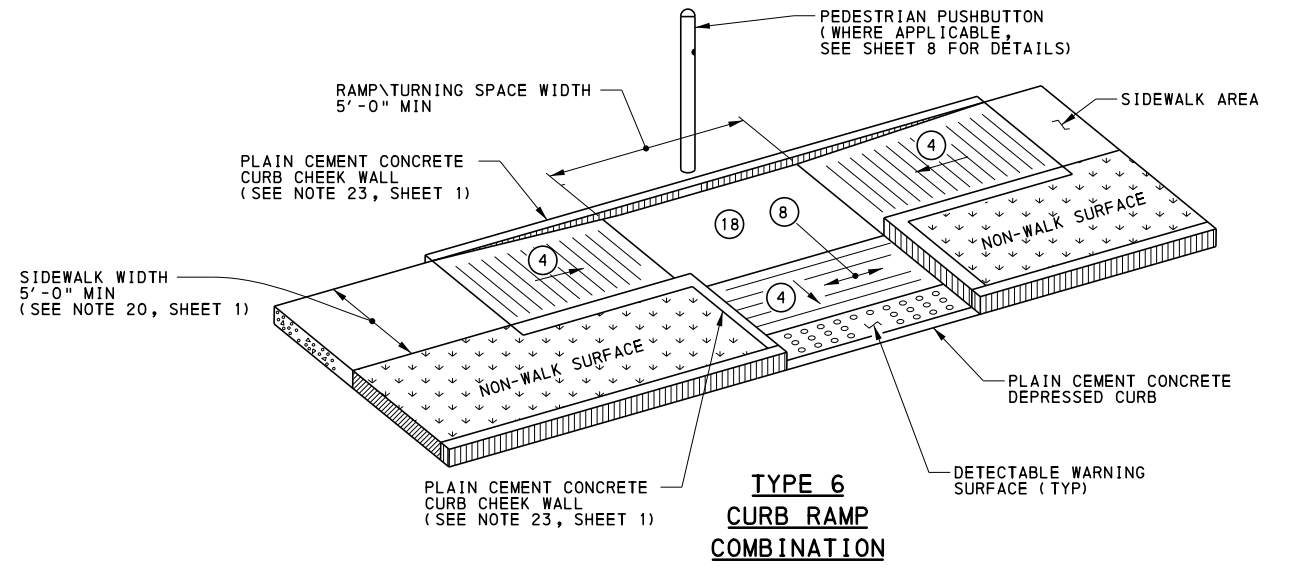
COMMONWEALTH OF PENNSYLVANIA
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CURB RAMPS AND SIDEWALKS
 NEW CONSTRUCTION OR
 ALTERATION DETAILS
 TYPE 4 CURB RAMPS AND
 TYPICAL ELEVATIONS

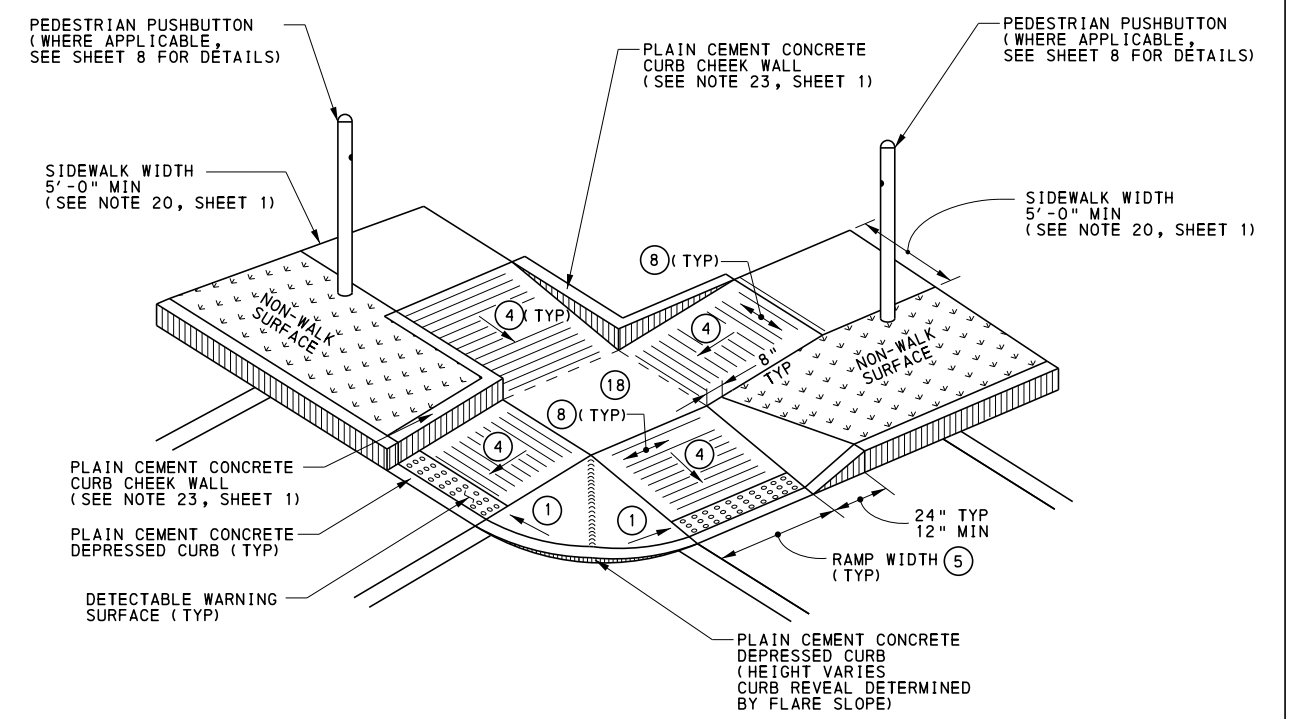
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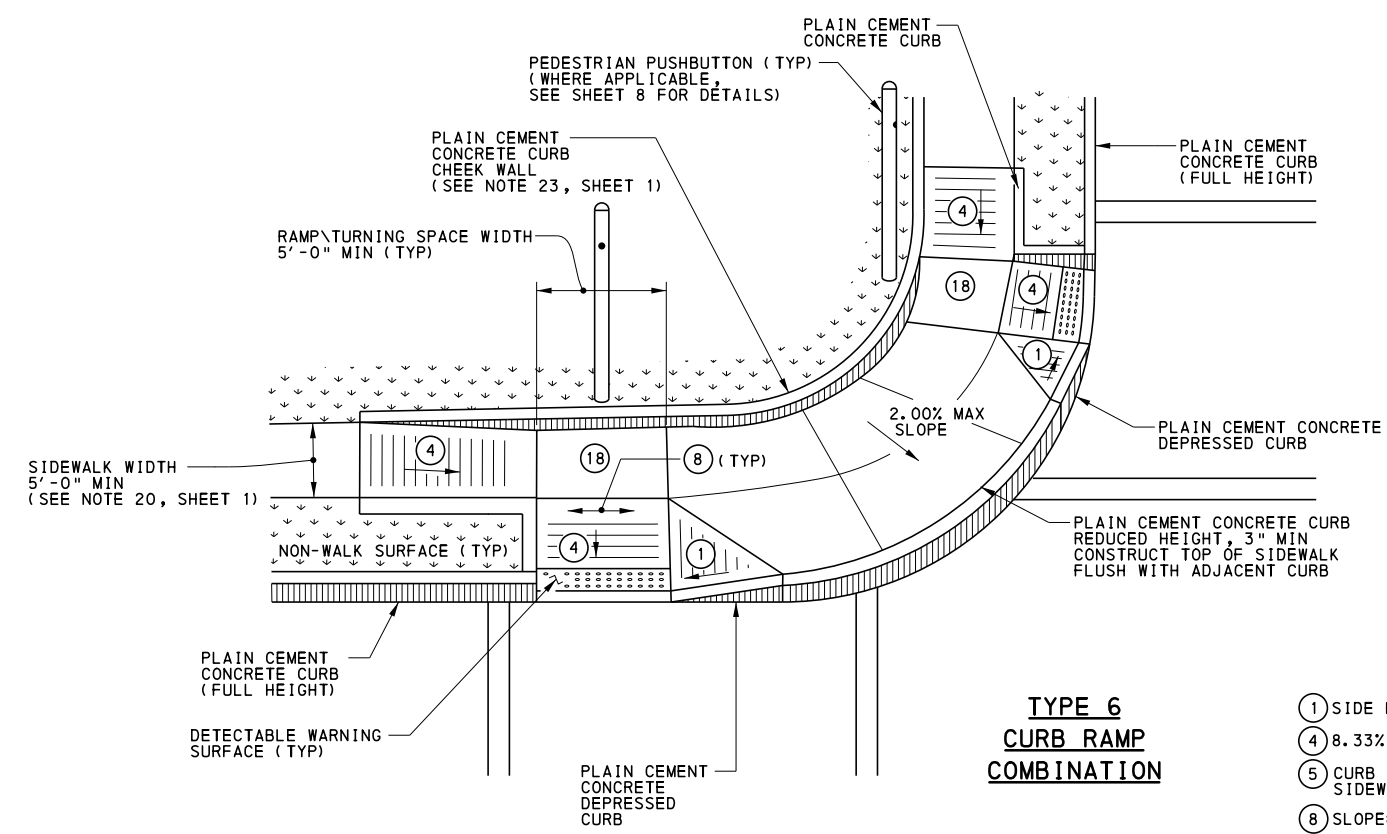
**TYPE 6
CURB RAMP
COMBINATION
DIAGONAL - REQUIRES ASSISTANT
DISTRICT EXECUTIVE APPROVAL**



**TYPE 6
CURB RAMP
COMBINATION**



**TYPE 6 CURB RAMPS
WITH SHARED TURNING SPACE**



**TYPE 6
CURB RAMP
COMBINATION**

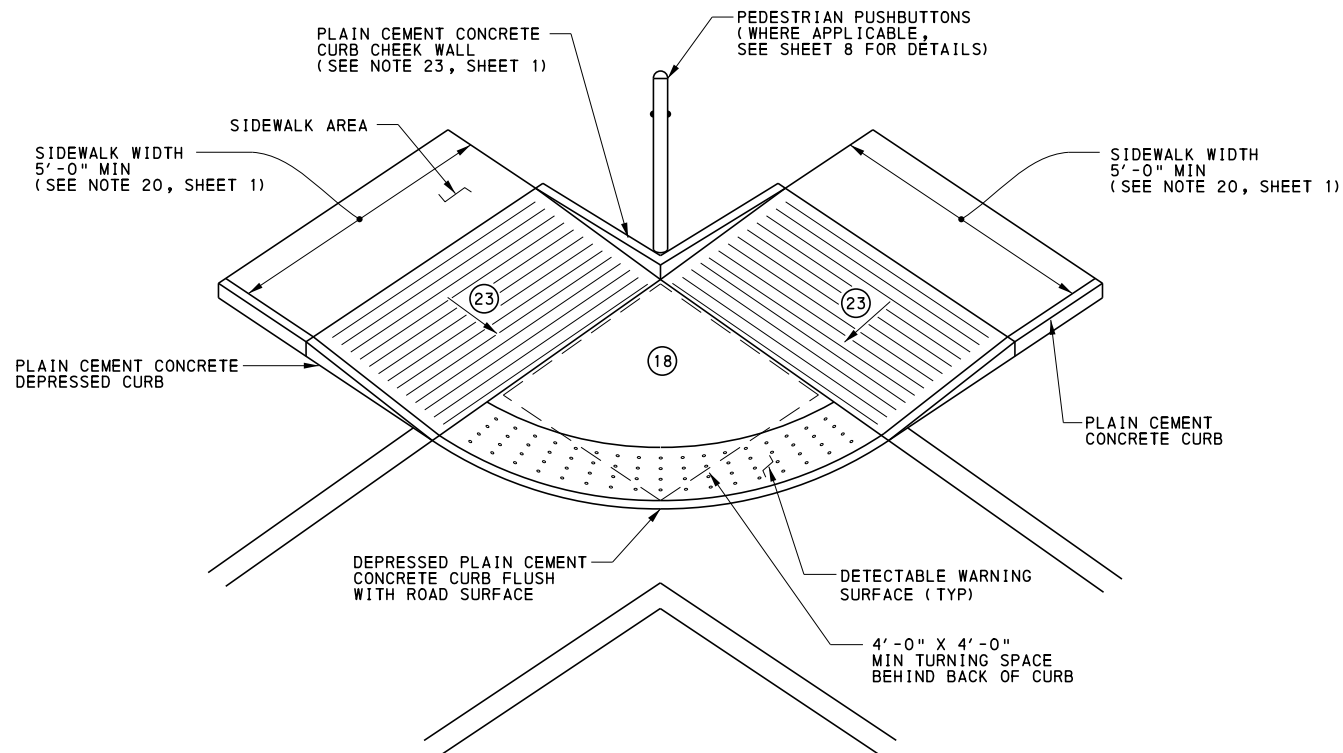
- ① SIDE FLARES 10.00% MAX SLOPE.
- ④ 8.33% MAX RAMP SLOPE, SEE NOTE 8 SHEET 1.
- ⑤ CURB RAMP WIDTH IS EQUAL TO SIDEWALK WIDTH WHEN THE SIDEWALK WIDTH IS GREATER THAN OR EQUAL TO 4'-0".
- ⑧ SLOPE: ZERO ± 2.00%.
- ⑱ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

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BUREAU OF PROJECT DELIVERY

CURB RAMPS AND SIDEWALKS

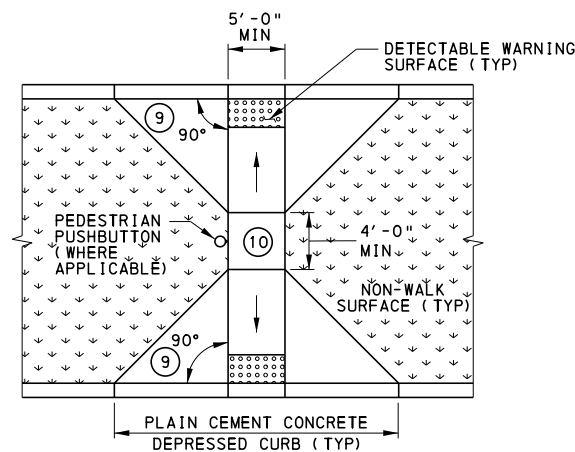
NEW CONSTRUCTION OR
ALTERATION DETAILS
TYPE 6 CURB RAMPS

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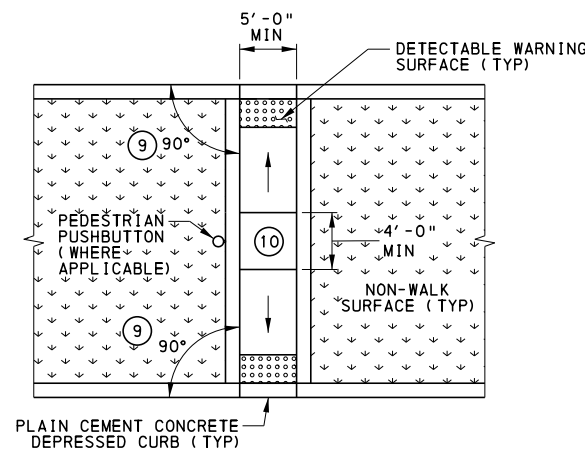


NOTE: DO NOT INSTALL GRATINGS, ACCESS COVERS AND OTHER APPURTENANCES ON THE BLENDED TRANSITION SURFACE WITHIN THE PEDESTRIAN ACCESS ROUTE. EXISTING UTILITY COVERS IN THE PATH OF TRAVEL ARE ACCEPTABLE IF THE TOP SURFACE IS FLUSH (LESS THAN 1/4" IN ELEVATION DIFFERENCE), FIRM, STABLE AND SLIP RESISTANT. INLET GRATES MUST HAVE OPENINGS NO GREATER THAN 1/2" IN DIRECTION OF TRAVEL.

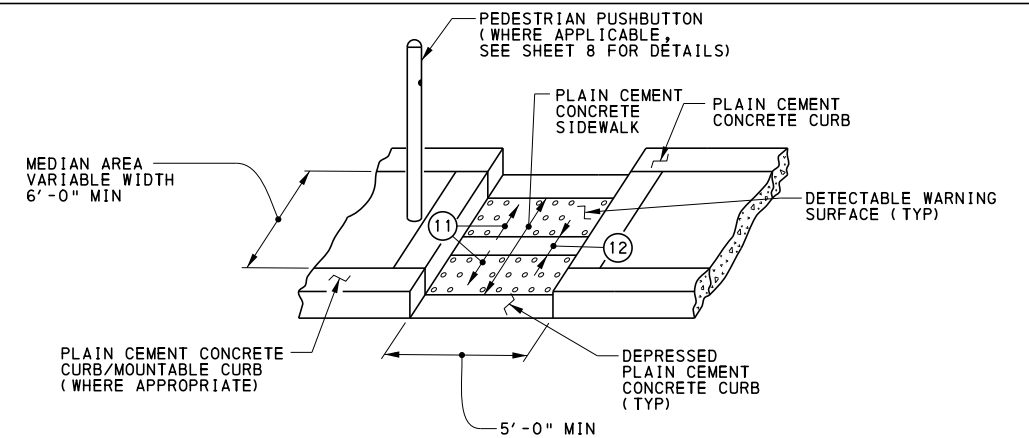
BLENDING TRANSITION



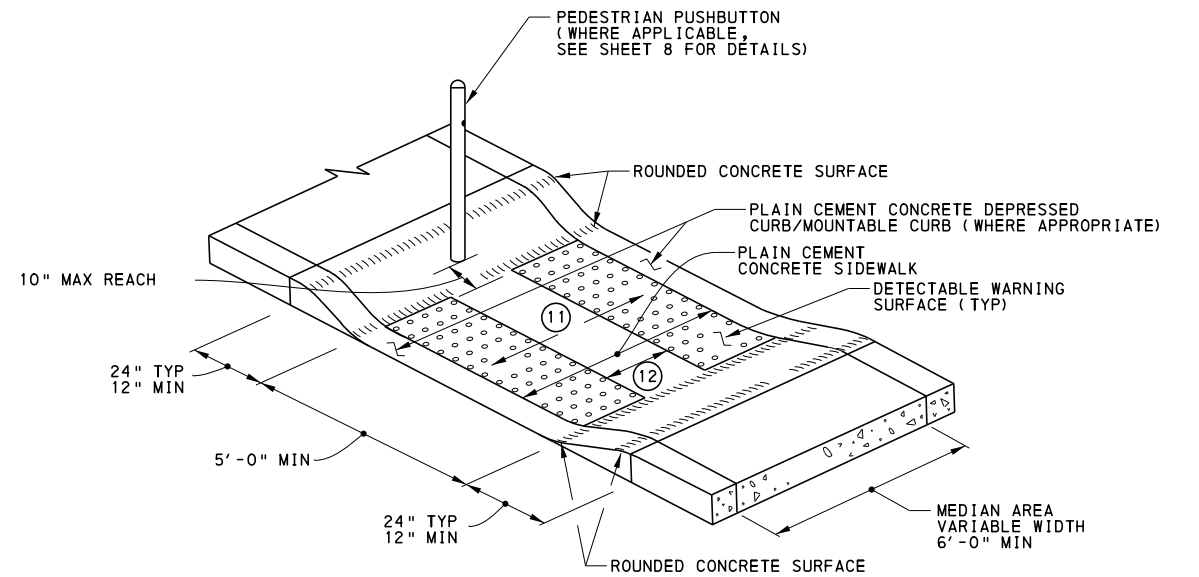
RAMPED MEDIAN OR ISLAND ACCESS OPENING (TYPE 1 DOUBLE CURB RAMPS)



RAMPED MEDIAN OR ISLAND ACCESS OPENING (TYPE A DOUBLE CURB RAMPS)



TYPE A TYPICAL MEDIAN OR ISLAND ACCESS OPENING WITH CURB SIDES (NARROW MEDIANS)



TYPE B TYPICAL MEDIAN OR ISLAND ACCESS OPENING WITH FLARED SIDES (NARROW MEDIANS)

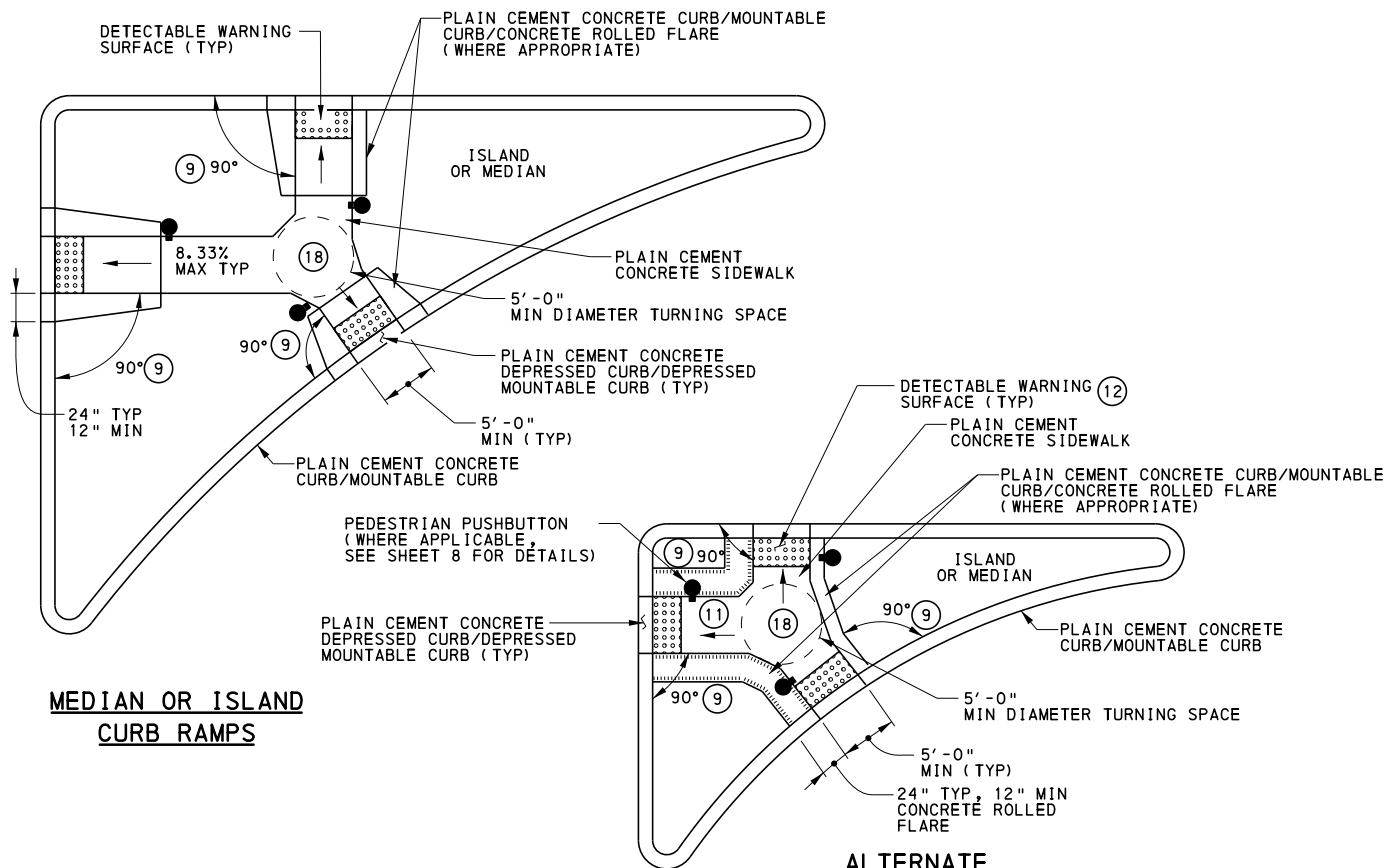
- ⑨ 90° DESIRABLE.
- ⑩ TURNING SPACES ARE NOT REQUIRED FOR LONGITUDINAL SLOPES 5.00% OR LESS.
- ⑪ PROVIDE ADEQUATE SLOPE FOR DRAINAGE (5.00% MAX).
- ⑫ 2'-0" MIN SEPARATION. DO NOT INSTALL DETECTABLE WARNING SURFACES IF SEPARATION IS LESS THAN 2'-0". REFER TO DM-2 CHAPTER 6 FOR ADDITIONAL DETAILS.
- ⑬ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.
- ⑭ 5.00% MAX RUNNING SLOPE FOR BLENDED TRANSITION. FOR SLOPES GREATER THAN 5.00% SEE TYPE 2 CURB RAMPS ON SHEET 3 FOR ADDITIONAL DETAILS.

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CURB RAMPS AND SIDEWALKS

NEW CONSTRUCTION OR ALTERATION DETAILS
BLENDING TRANSITION / MEDIANS

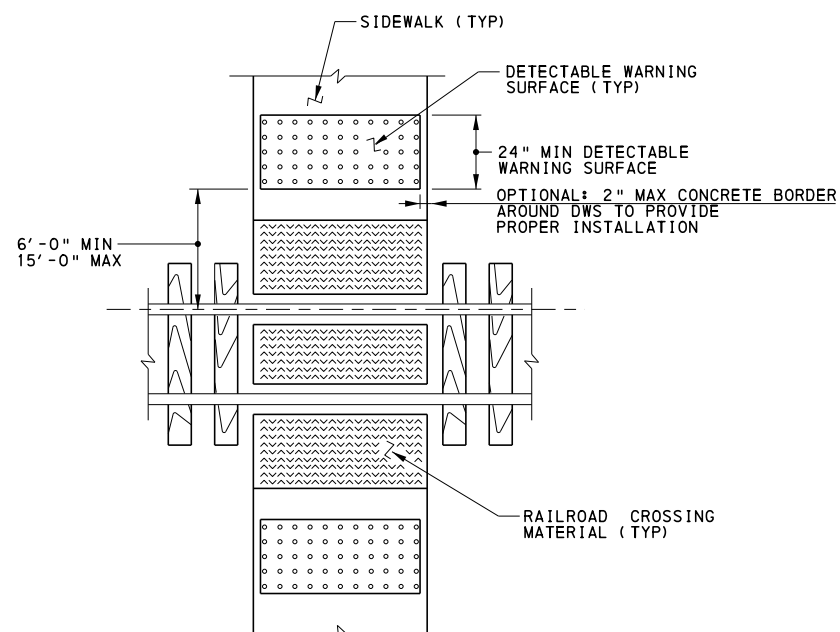
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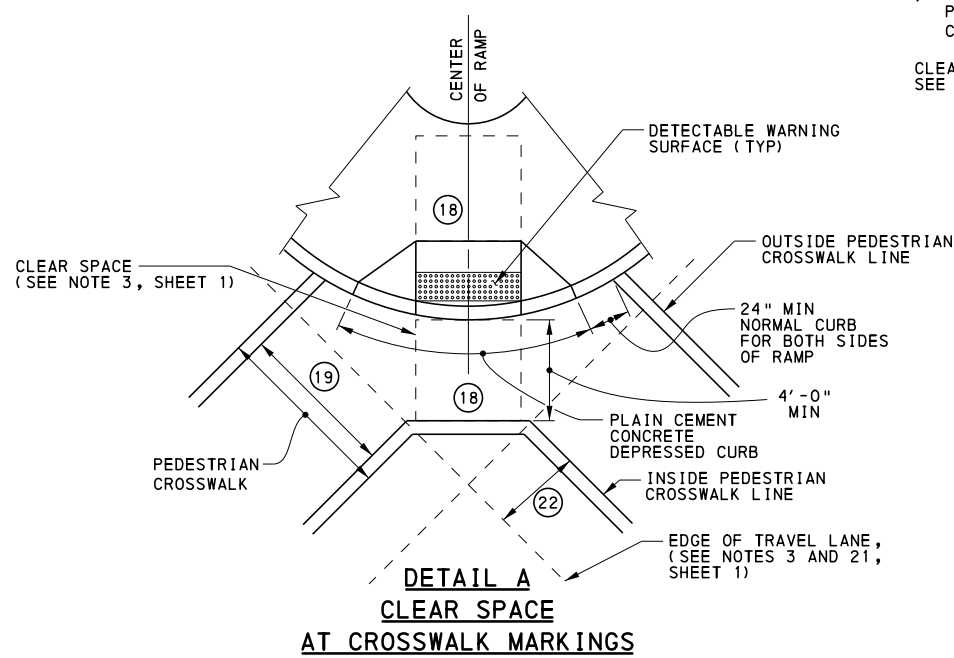
MEDIAN OR ISLAND CURB RAMPS

ALTERNATE SMALL ISLAND WITH CUT THROUGH

- ⑨ 90° DESIRABLE.
- ⑪ PROVIDE ADEQUATE SLOPE FOR DRAINAGE (5.00% MAX).
- ⑫ 2'-0" MIN SEPARATION. DO NOT INSTALL DETECTABLE WARNING SURFACES IF SEPARATION IS LESS THAN 2'-0".
- ⑱ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.
- ⑲ 6'-0" MIN MEASURED FROM INSIDE OF PAINTED EDGE TO INSIDE OF PAINTED EDGE.
- ⑳ THE INSIDE PEDESTRIAN CROSSWALK LINES MUST BE OUTSIDE OF THE PARALLEL VEHICLE TRAVEL LANE.

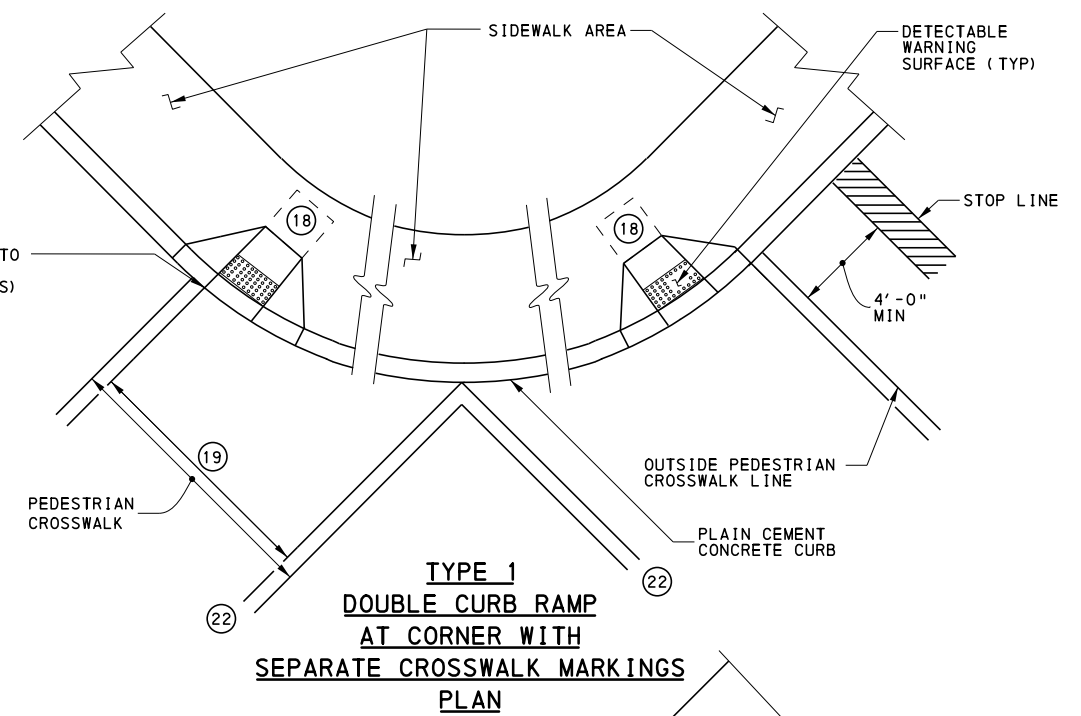


TYPICAL DETECTABLE WARNING SURFACE AT RAILROAD CROSSING

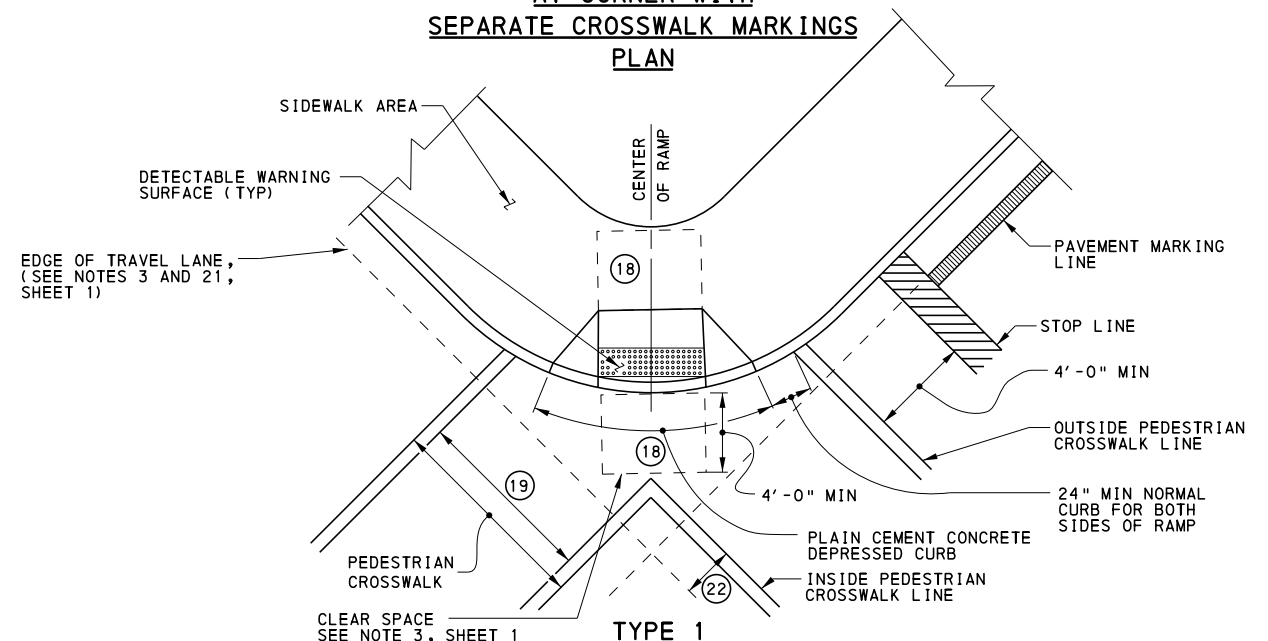


DETAIL A CLEAR SPACE AT CROSSWALK MARKINGS PLAN (DIAGONAL - REQUIRES ASSISTANT DISTRICT EXECUTIVE APPROVAL)

FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES

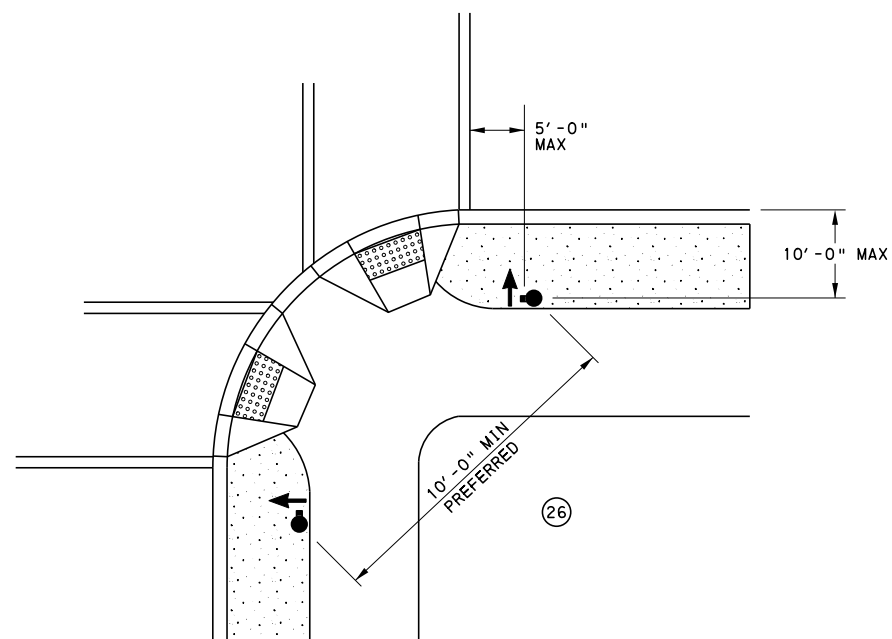


TYPE 1 DOUBLE CURB RAMP AT CORNER WITH SEPARATE CROSSWALK MARKINGS PLAN

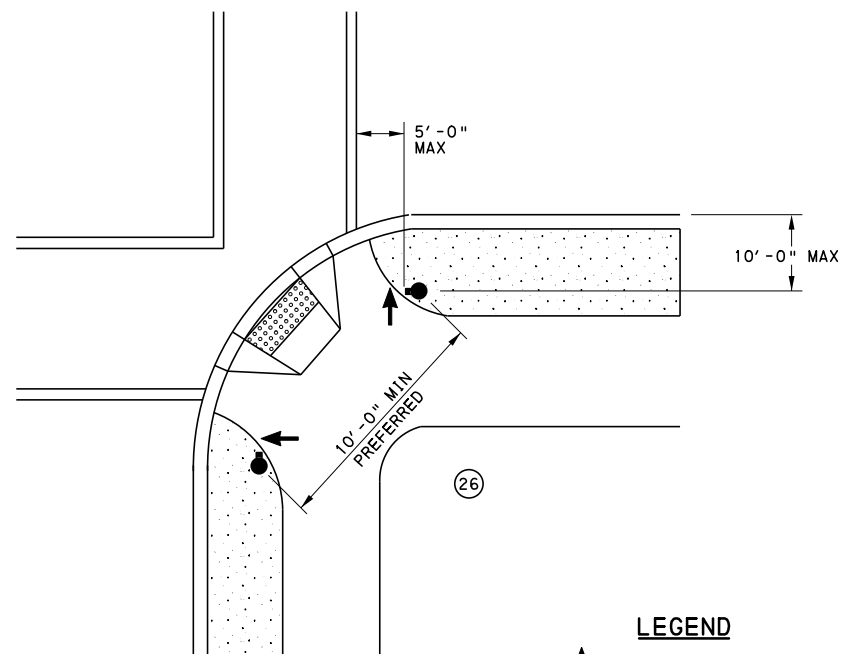


TYPE 1 SINGLE CURB RAMP AT CORNER WITH CROSSWALK MARKINGS PLAN (DIAGONAL - REQUIRES ASSISTANT DISTRICT EXECUTIVE APPROVAL)

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PROJECT DELIVERY		
CURB RAMPS AND SIDEWALKS NEW CONSTRUCTION OR ALTERATION DETAILS CROSSWALKS, MEDIANS, RAILROAD CROSSING DETECTABLE WARNING SURFACE		
RECOMMENDED JUN. 10, 2013 <i>R. W. [Signature]</i> CHIEF, HWY. DELIVERY DIVISION	RECOMMENDED JUN. 10, 2013 <i>[Signature]</i> ACTING DIR. BUREAU OF PROJECT DELIVERY	SHT 7 OF 14 RC-67M

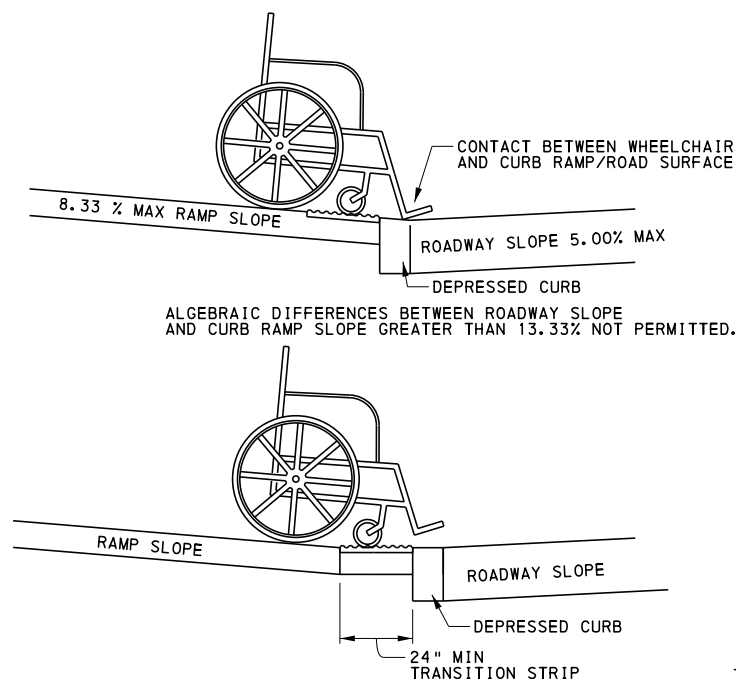


RECOMMENDED PUSHBUTTON LOCATIONS



RECOMMENDED PUSHBUTTON LOCATIONS

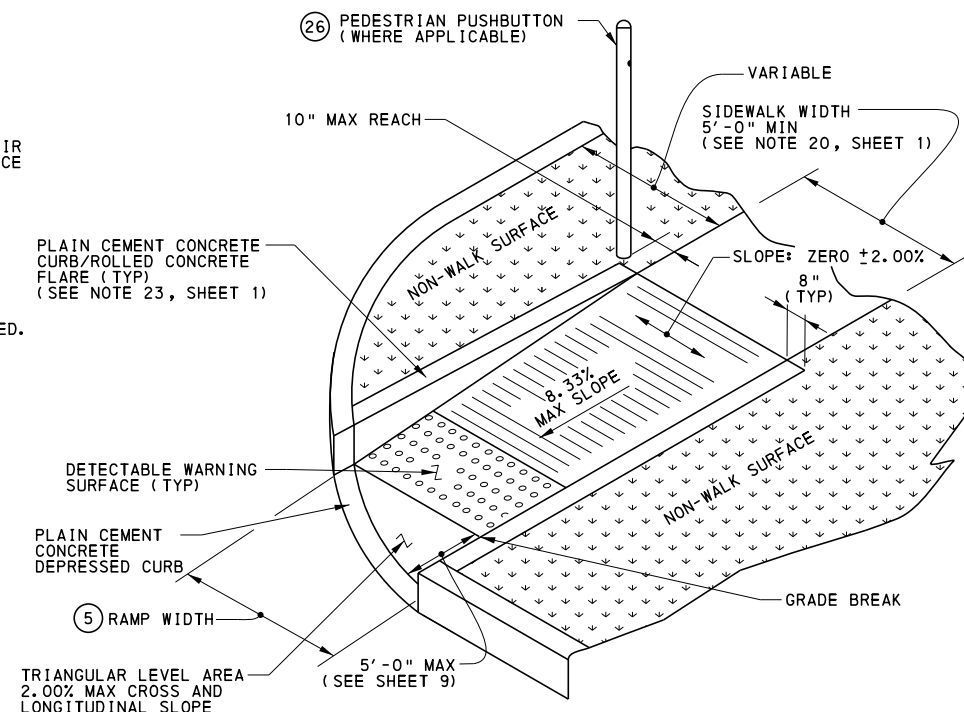
LEGEND
 ↑ ● PEDESTRIAN PUSHBUTTON



ALGEBRAIC DIFFERENCES BETWEEN ROADWAY SLOPE AND CURB RAMP SLOPE GREATER THAN 13.33% NOT PERMITTED.

PROVIDE A 24" MIN TRANSITION STRIP IF ALGEBRAIC DIFFERENCES BETWEEN ROADWAY SLOPE AND CURB RAMP SLOPE ARE GREATER THAN 13.33%.

TRANSITION STRIP SLOPE NOT TO EXCEED 5.00%
CHANGE OF GRADE LIMITATIONS



TRIANGULAR LEVEL AREA FOR DIRECTIONAL RAMPS ON CURB RETURNS

PROVIDE A LEVEL TRIANGULAR AREA WHEN DIRECTIONAL RAMPS ARE INSTALLED ON A CURB RETURN TO TRANSITION THE GRADE BREAK.



RAMP CROSS SLOPE TRANSITION TO MATCH ROADWAY PROFILE SLOPE

* SLOPES SHOWN ARE FOR ILLUSTRATION ONLY.

TRANSITION CURB RAMP CROSS SLOPE TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3.00% PER 1'-0" CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.

COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE OR USE 1'-0" DETECTABLE WARNING SURFACE TILES.

CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE.

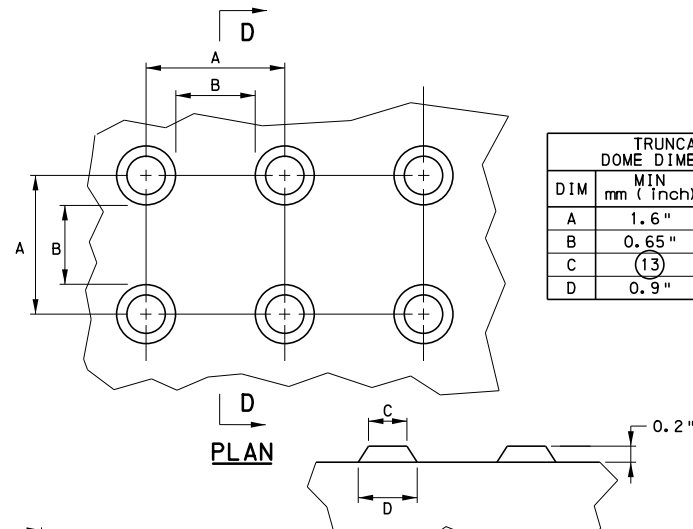
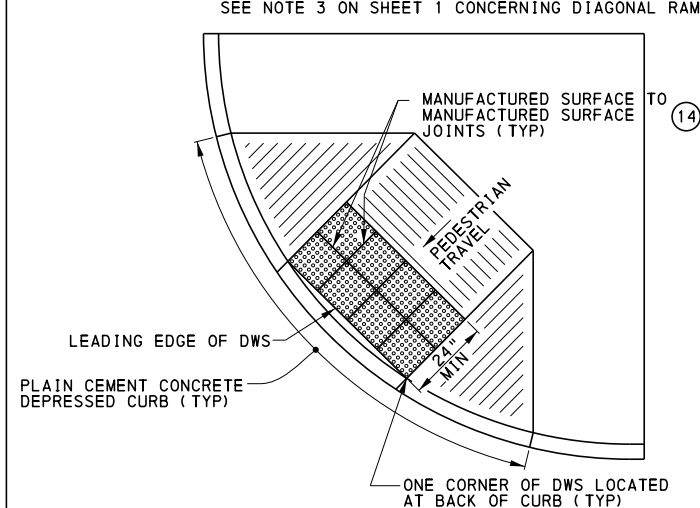
- ⑤ CURB RAMP WIDTH IS EQUAL TO SIDEWALK WIDTH WHEN THE SIDEWALK WIDTH IS GREATER THAN OR EQUAL TO 4'-0".
- ②⑥ NEW CONSTRUCTION MUST COMPLY WITH RECOMMENDED LOCATIONS. FOR ALTERATION PROJECTS LOCATE PEDESTRIAN PUSHBUTTONS, TO THE MAXIMUM EXTENT FEASIBLE, AS FOLLOWS:
 - ADJACENT TO A LEVEL NON-SLIP SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS A NON-SLIP WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 - WITHIN 5'-0" OF THE CROSSWALK EXTENDED.
 - BETWEEN 1'-6" AND 10'-0" OF THE EDGE OF CURB, SHOULDER OR PAVEMENT.
 - PARALLEL TO THE CROSSWALK TO BE USED.

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**CURB RAMPS AND SIDEWALKS
 NEW CONSTRUCTION OR
 ALTERATION DETAILS
 PUSHBUTTONS, TRIANGULAR LEVEL
 AREA, CHANGE OF GRADE AND CROSS
 SLOPE TRANSITIONS**

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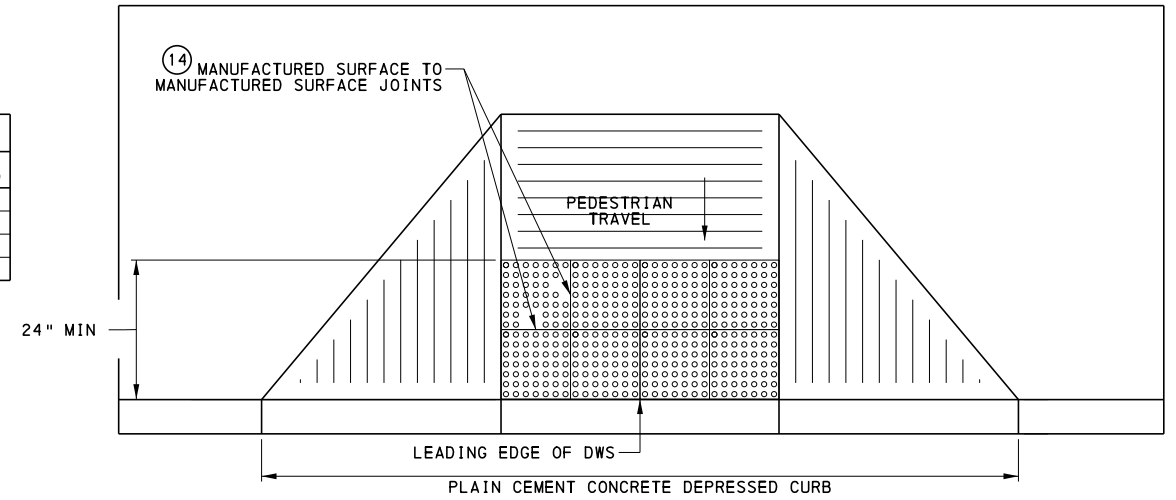
SEE NOTE 3 ON SHEET 1 CONCERNING DIAGONAL RAMPS



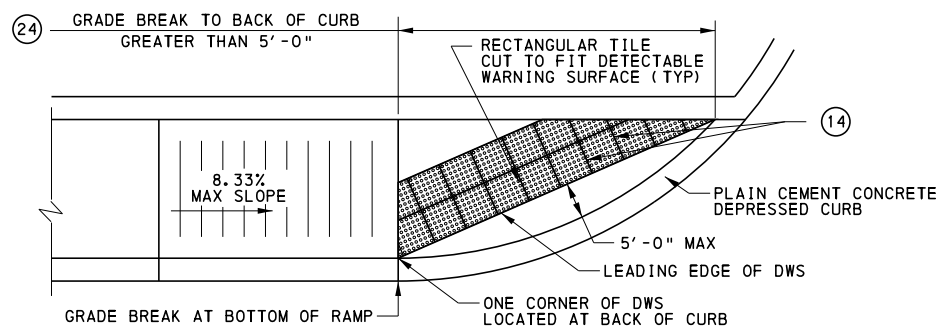
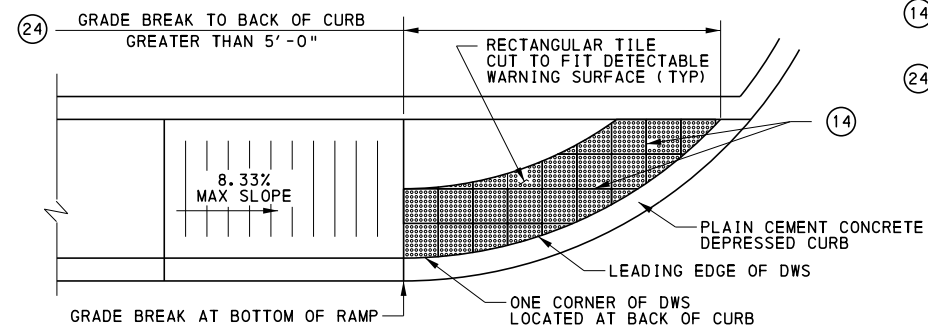
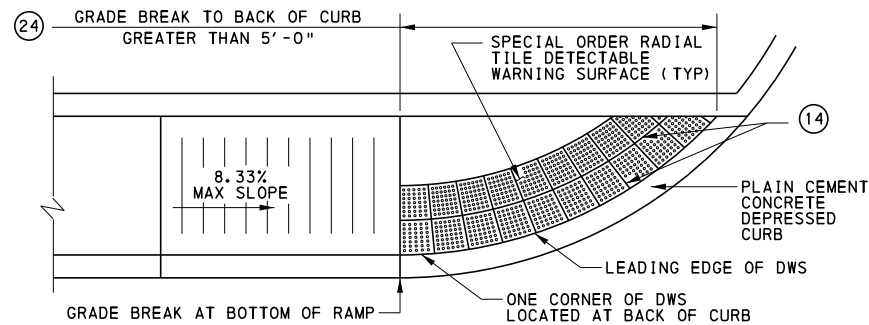
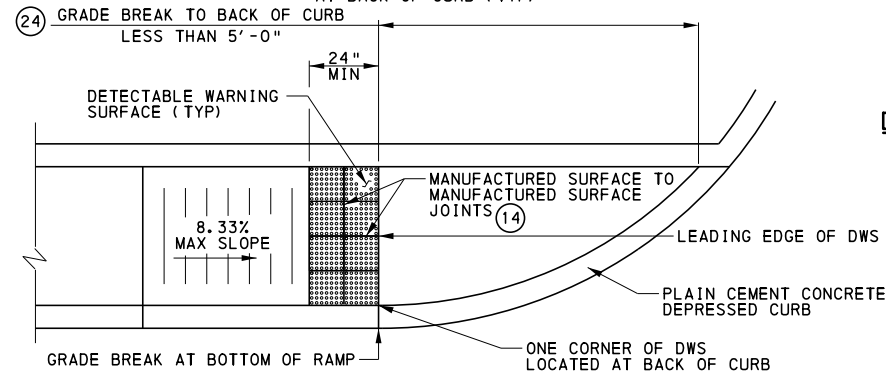
TRUNCATED DOME DIMENSIONS		
DIM	MIN mm (inch)	MAX mm (inch)
A	1.6"	2.4"
B	0.65"	1.5"
C	(13)	(13)
D	0.9"	1.4"

SECTION D-D

DETECTABLE WARNING SURFACE (DWS) TRUNCATED DOME DETAILS

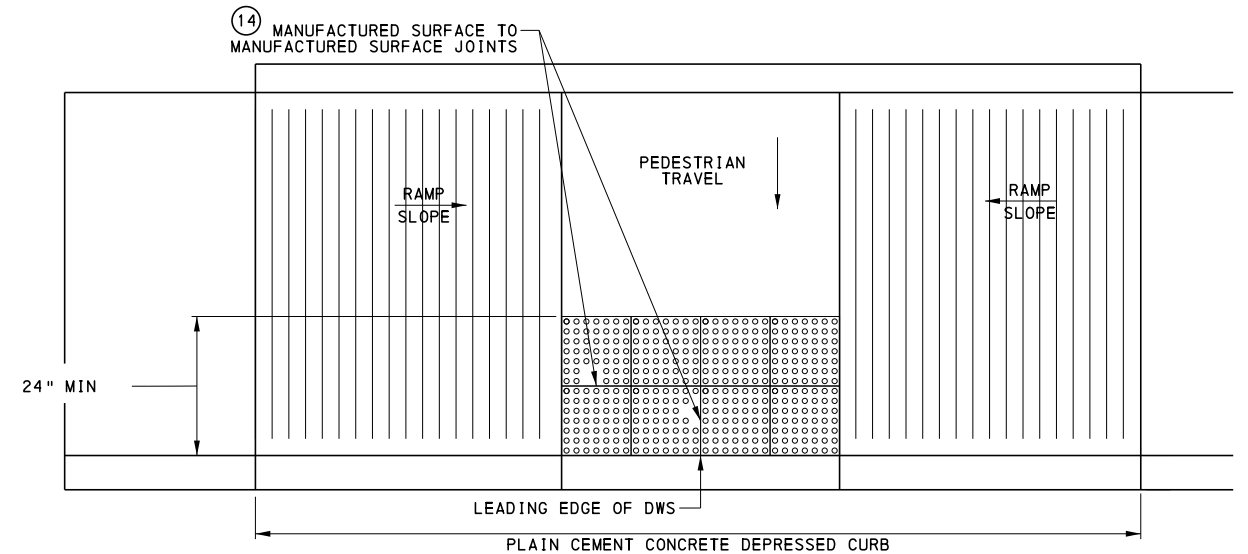


DETECTABLE WARNING SURFACE (DWS) ON TYPE 1 CURB RAMP

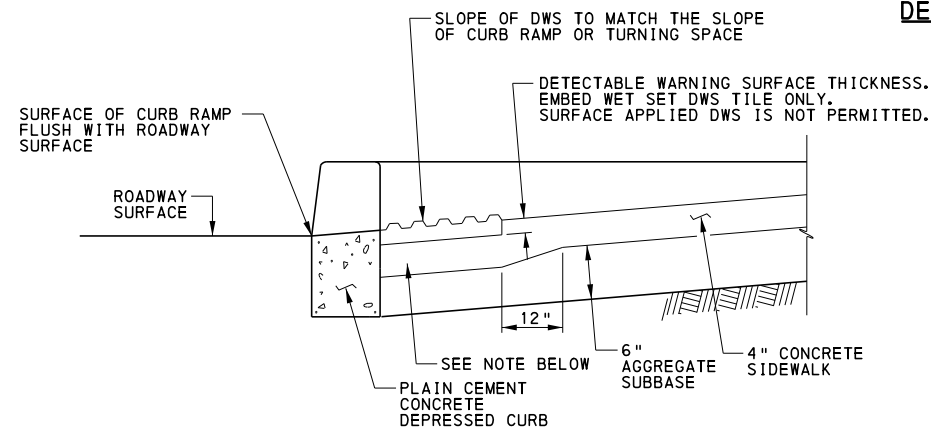


DETECTABLE WARNING SURFACE (DWS) ON CURVED SURFACES

- (13) THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.
- (14) PLACE ADJACENT DWS TILES WITH MANUFACTURED SURFACE TO MANUFACTURED SURFACE. CUT TILES ALONG THE PERIMETER ONLY.
- (24) LOCATE ONE CORNER OF THE DWS AT THE BACK OF CURB. NO OTHER POINT ON THE LEADING EDGE OF THE DWS MAY BE MORE THAN 5'-0" AWAY FROM THE BACK OF CURB.



DETECTABLE WARNING SURFACE (DWS) ON TYPE 2 CURB RAMP



NOTES:
 CONSTRUCT NOTCH AS SHOWN TO PROVIDE FULL THICKNESS SIDEWALK UNDER DETECTABLE WARNING SURFACE.
 OPTIONAL: CONSTRUCT 2" MAX CONCRETE BORDER AROUND DWS TO PROVIDE PROPER INSTALLATION. SEE PEDESTRIAN PUSHBUTTON ACCESS AREAS DETAIL ON SHEET 14, FOR PLAN VIEW DETAILS.

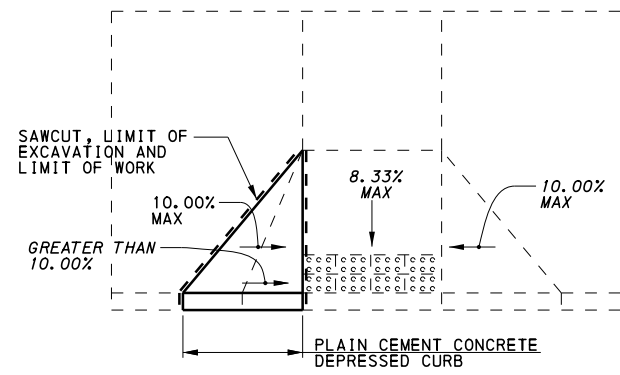
DETECTABLE WARNING SURFACE EMBEDDING DETAIL

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PROJECT DELIVERY

CURB RAMPS AND SIDEWALKS

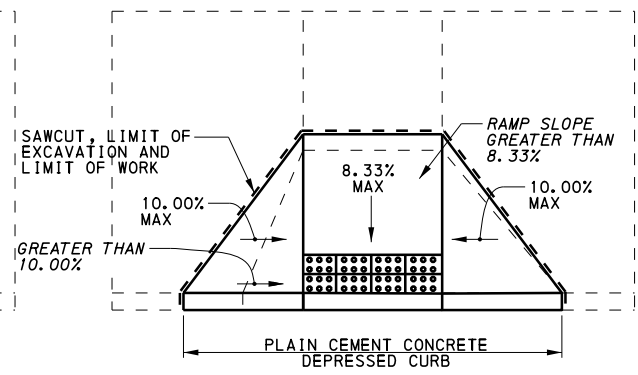
NEW CONSTRUCTION OR ALTERATION DETAILS
 DETECTABLE WARNING SURFACE

RECOMMENDED JUN. 10, 2013 R. W. [Signature] CHIEF, HWY. DELIVERY DIVISION	RECOMMENDED JUN. 10, 2013 [Signature] ACTING DIR. BUREAU OF PROJECT DELIVERY	SHT 9 OF 14 RC-67M
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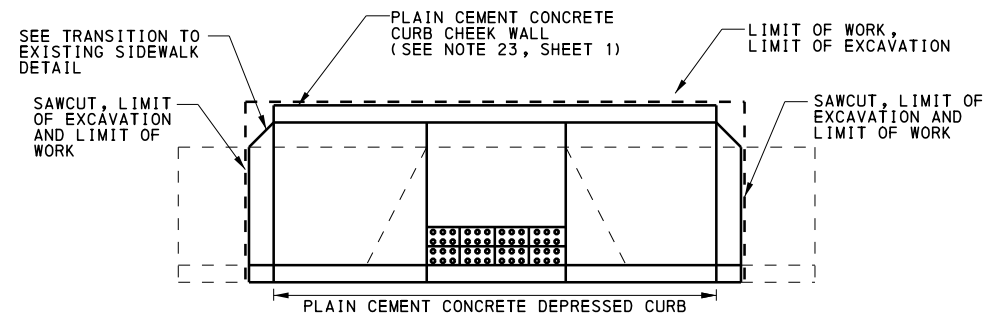
DETAIL ILLUSTRATES FLARE REMOVAL AND REPLACEMENT.

SIDE FLARE RECONSTRUCTION



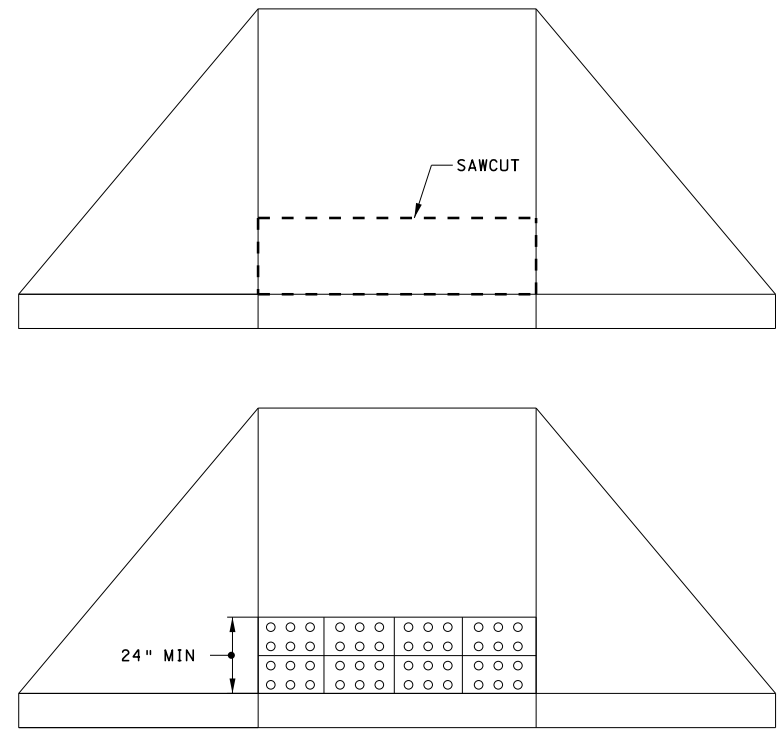
DETAIL ILLUSTRATES CURB RAMP (INCLUDING FLARES) REPLACEMENT.

TOTAL RAMP RECONSTRUCTION

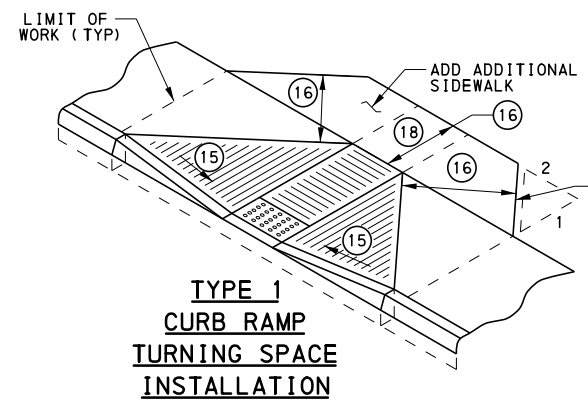


DETAIL ILLUSTRATES A TYPE 1 EXISTING RAMP REPLACED WITH A TYPE 2 RAMP. USE THIS DETAIL AS AN EXAMPLE TO REPLACE ANY RAMP WITH A DIFFERENT CURB RAMP TYPE.

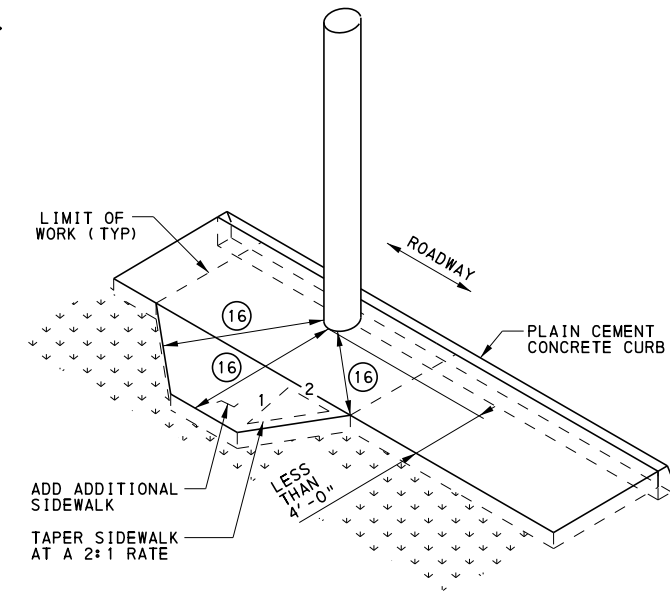
TOTAL RAMP RECONSTRUCTION (RAMP TYPE CHANGE)



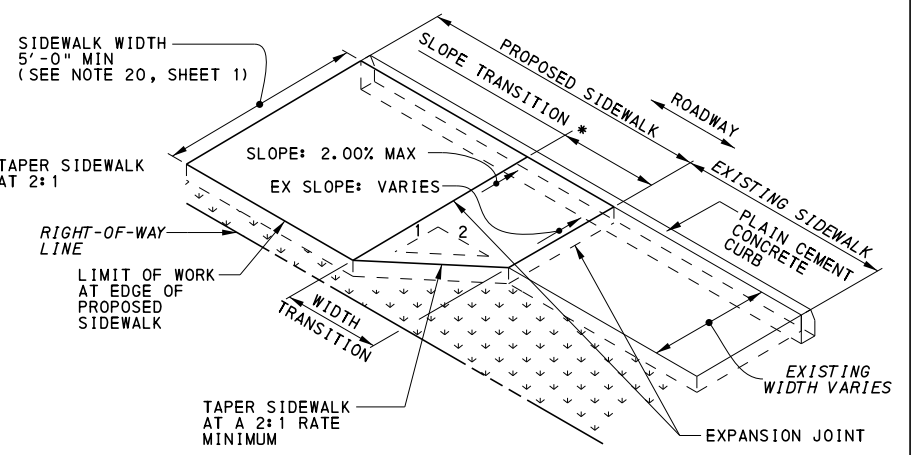
DETECTABLE WARNING SURFACE (DWS) INSTALLATION DETAIL



TYPE 1 CURB RAMP TURNING SPACE INSTALLATION



SIDEWALK ADDITION DUE TO OBSTRUCTIONS



TRANSITION TO EXISTING SIDEWALK DETAIL

* MINIMUM SLOPE TRANSITION LENGTH BASED ON THE DIFFERENCE OF PROPOSED SIDEWALK CROSS SLOPE AND EXISTING SIDEWALK CROSS SLOPE AT THE LOCATION OF TIE IN. THIS MINIMUM LENGTH TO BE DETERMINED BY THE FOLLOWING FORMULA: $\Delta \% \text{ SLOPE} \times 0.5'$.

THE MINIMUM WIDTH TRANSITION SHALL BE CALCULATED USING THE FOLLOWING FORMULA: $\text{CHANGE IN WIDTH} \times 2$.

DEPENDING ON WHICH IS LONGEST, EITHER THE SLOPE TRANSITION OR WIDTH TRANSITION WILL CONTROL THE LENGTH OF SIDEWALK TRANSITION.

TRANSITION AREAS SERVE AS TEMPORARY CONNECTIONS OF THE PEDESTRIAN ACCESS ROUTE. FUTURE IMPROVEMENTS TO THE REMAINING PORTION OF EXISTING SIDEWALK SHALL INCLUDE REMOVING THE TRANSITION AREA AND CONSTRUCTING A FULLY COMPLIANT SIDEWALK.

- (15) SIDE FLARES 10.00% MAX FOR RAMPS WITH TURNING SPACES 4'-0" OR GREATER. SIDE FLARES 8.33% MAX FOR RAMPS WITH TURNING SPACES LESS THAN 4'-0".
- (16) 4'-0" MIN PEDESTRIAN ACCESS ROUTE.
- (18) CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

DETECTABLE WARNING SURFACE (DWS) INSTALLATION INSTRUCTIONS

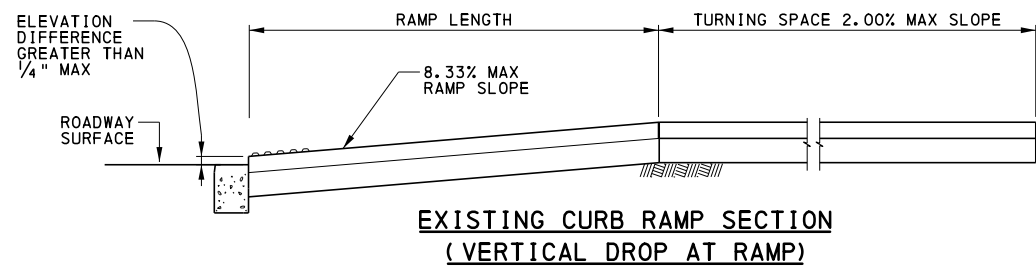
1. SAW CUT EXISTING CURB RAMP SURFACE WHERE THE DWS WILL BE PLACED.
2. REMOVE EXISTING CONCRETE FROM THIS AREA.
3. REPLACE AND COMPACT ANY DISTURBED AGGREGATE SUBBASE.
4. PLACE NEW CEMENT CONCRETE AND LEVEL TO A 4 INCH DEPTH SO THAT THE TOP OF THE CONCRETE IS LOWER THAN THE ADJOINING SIDEWALK, EQUIVALENT TO THE EMBEDDING DEPTH OF THE DWS MATERIAL.
5. LAY OUT AND PROPERLY FIT EACH UNIT PRIOR TO SETTING IN WET CONCRETE.
6. CUT UNITS AS NECESSARY ALONG PERIMETER OF DETECTABLE WARNING SURFACE.
7. PLACE UNITS ACROSS THE ENTIRE WIDTH OF THE CURB RAMP SURFACE AND/OR WHERE THE CURB IS FLUSH.
8. PRESS UNITS INTO FULL CONTACT WITH THE FRESH CONCRETE.
9. ADJUST HEIGHT OF EACH UNIT EDGE TO BE LEVEL WITH ADJACENT RAMP SURFACES.
10. ONLY TRUNCATED DOMES SHOULD BE ABOVE THE ADJACENT FINISHED CONCRETE.
11. FILL ANY SAW CUT GAPS WITH APPROVED JOINT SEALANT MATERIAL.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
 BUREAU OF PROJECT DELIVERY

CURB RAMPS AND SIDEWALKS

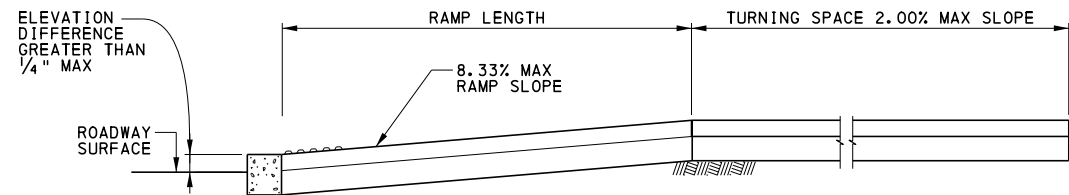
ALTERATION DETAILS

RECOMMENDED JUN. 10, 2013 <i>R. W. Kelly</i> CHIEF, HWY. DELIVERY DIVISION	RECOMMENDED JUN. 10, 2013 <i>[Signature]</i> ACTING DIR. BUREAU OF PROJECT DELIVERY	SHT 10 OF 14 RC-67M
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**EXISTING CURB RAMP SECTION
(VERTICAL DROP AT RAMP)**

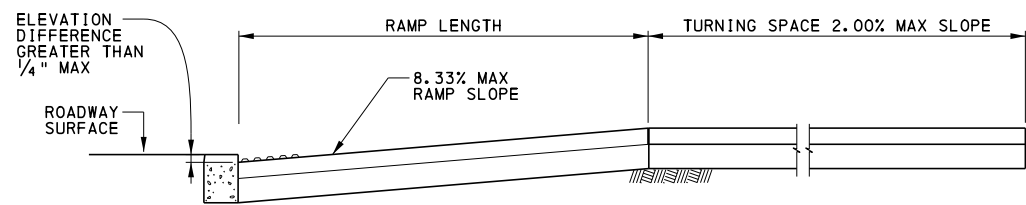
RECOMMENDED CORRECTION:
RECONSTRUCT THE ENTIRE (OR PORTIONS OF) RAMP, TURNING SPACES AND FLARES WHERE APPLICABLE
(SEE RAMP RECONSTRUCTION DETAIL ON SHEET 10).



**EXISTING CURB RAMP SECTION
(VERTICAL DROP AT ROAD SURFACE)**

RECOMMENDED CORRECTION:
RECONSTRUCT THE ENTIRE (OR PORTIONS OF) RAMP, TURNING SPACES AND FLARES WHERE APPLICABLE
(SEE RAMP RECONSTRUCTION DETAIL ON SHEET 10).

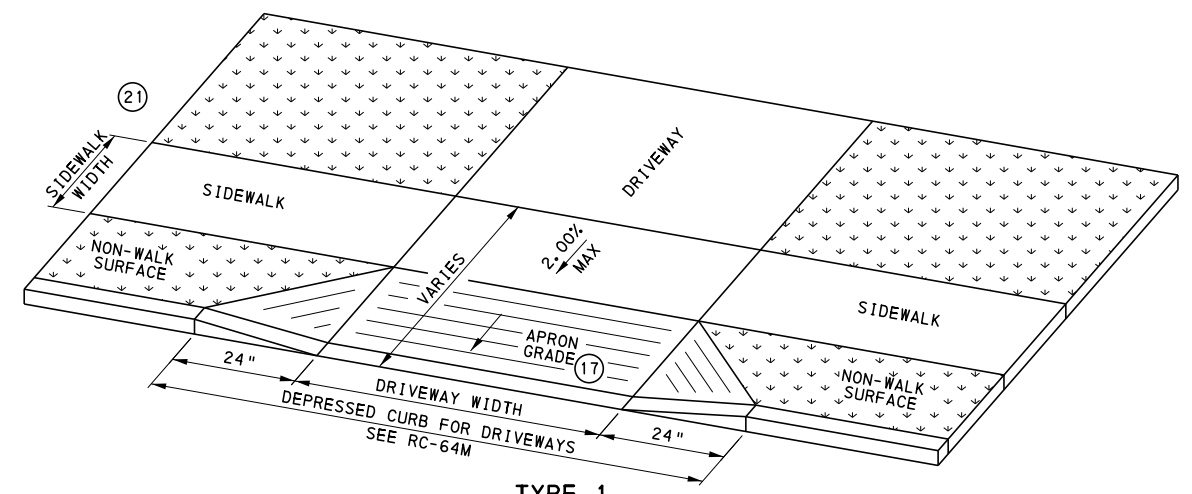
ALTERNATE CORRECTION:
GRIND CURB TO PROVIDE A MAX SLOPE OF 8.33%, FINISHED SURFACE MUST NOT HAVE ELEVATION DIFFERENCES GREATER THAN 1/4\".



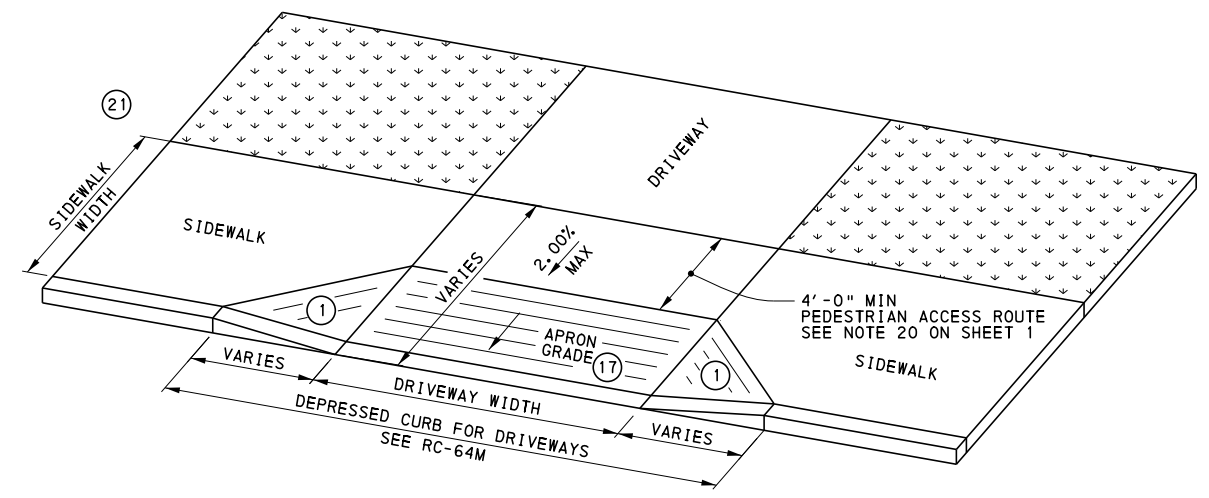
**EXISTING CURB RAMP SECTION
(RAMP SETTLEMENT)**

RECOMMENDED CORRECTION:
RECONSTRUCT THE ENTIRE (OR PORTIONS OF) RAMP, TURNING SPACES AND FLARES WHERE APPLICABLE
(SEE RAMP RECONSTRUCTION DETAIL ON SHEET 10).

ALTERATION DETAILS



**TYPE 1
DRIVEWAY APRON**



**TYPE 1A
DRIVEWAY APRON**

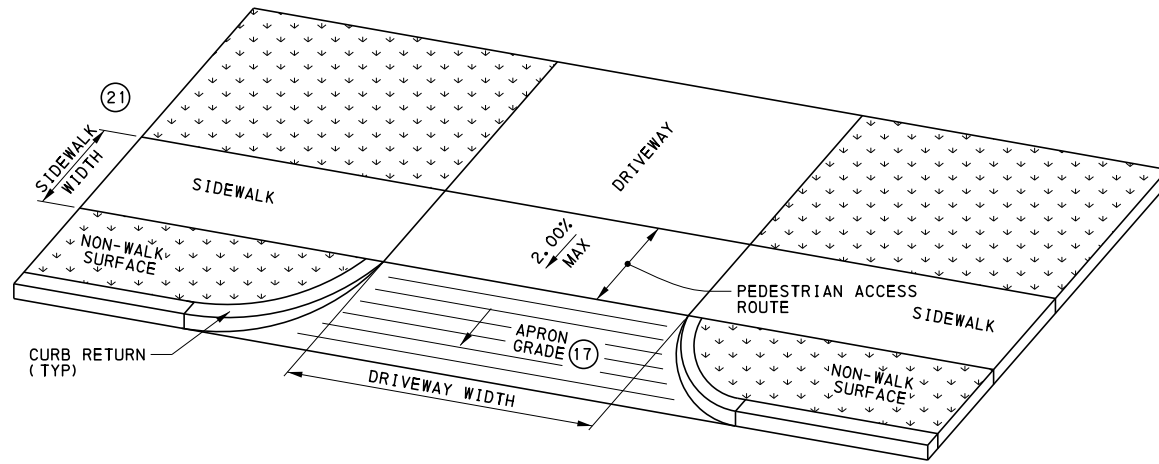
- ① SIDE FLARES 10.00% MAX SLOPE.
- ⑱ 8.00% MAX CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY.
- ⑳ MINIMUM SIDEWALK WIDTH 5'-0" (SEE NOTE 20, SHEET 1).

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF PROJECT DELIVERY

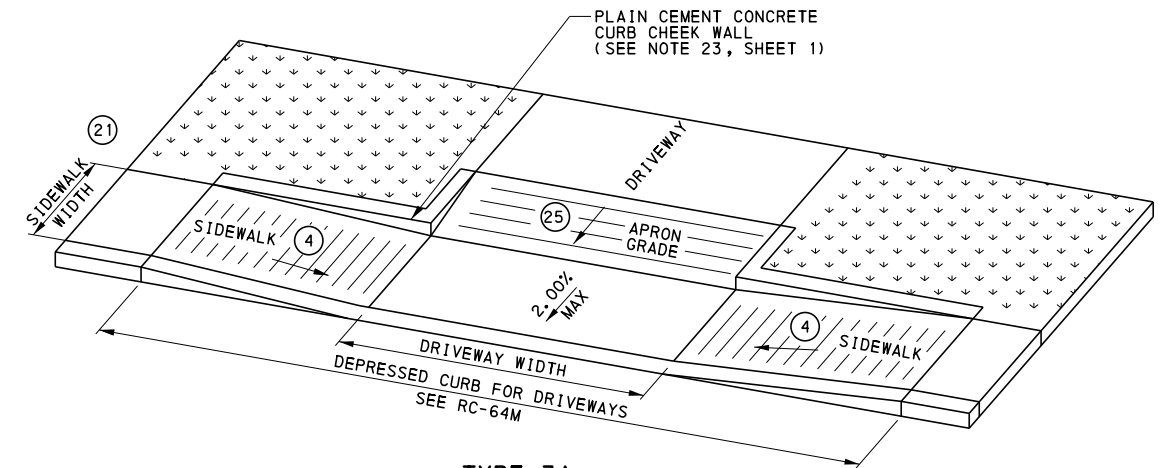
CURB RAMPS AND SIDEWALKS

**ALTERATION DETAILS
AND DRIVEWAY APRONS**

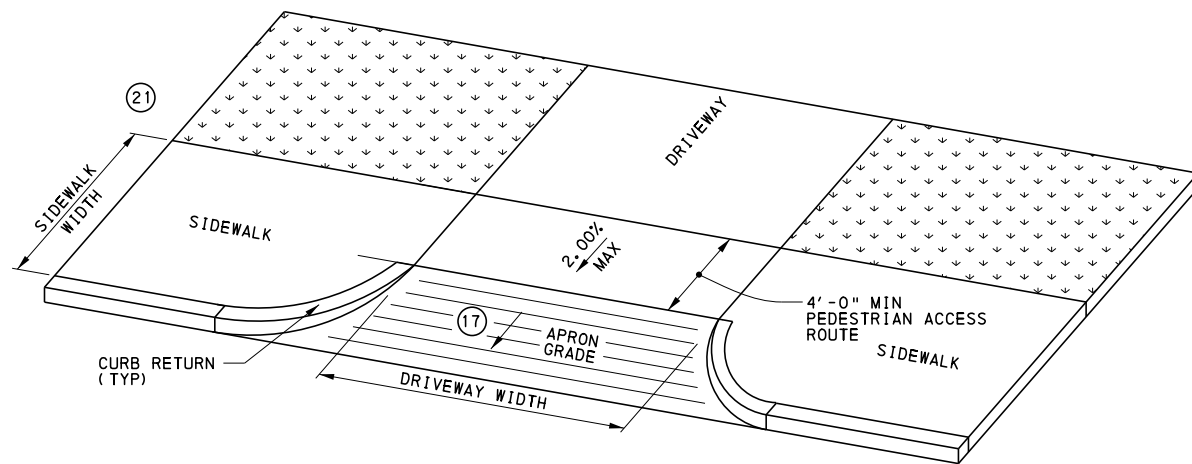
RECOMMENDED JUN. 10, 2013 <i>R. W. [Signature]</i> CHIEF, HWY. DELIVERY DIVISION	RECOMMENDED JUN. 10, 2013 <i>[Signature]</i> ACTING DIR. BUREAU OF PROJECT DELIVERY	SHT 11 OF 14 RC-67M
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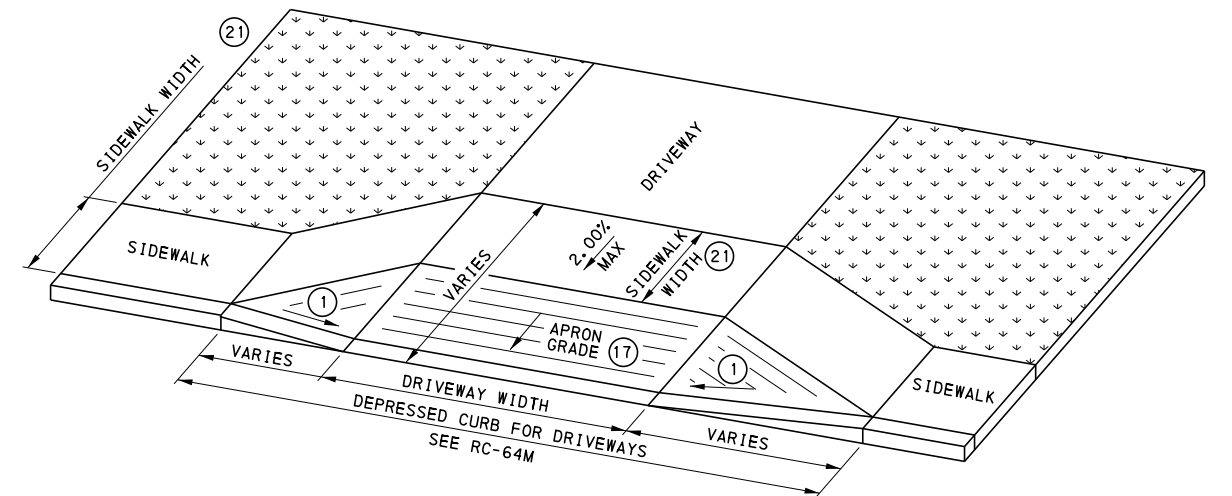
**TYPE 2
DRIVEWAY APRON**



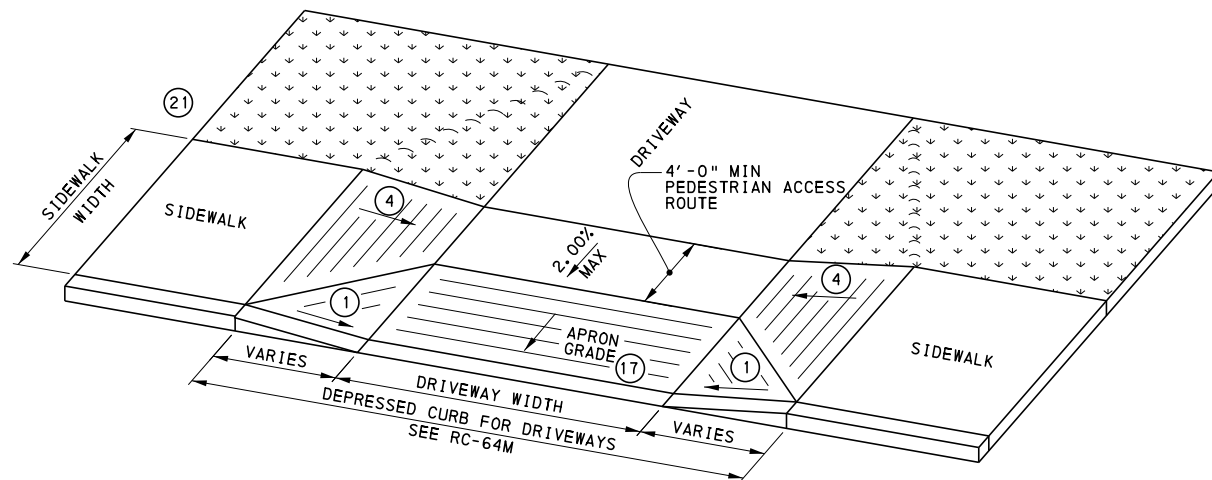
**TYPE 3A
DRIVEWAY APRON**



**TYPE 2A
DRIVEWAY APRON**



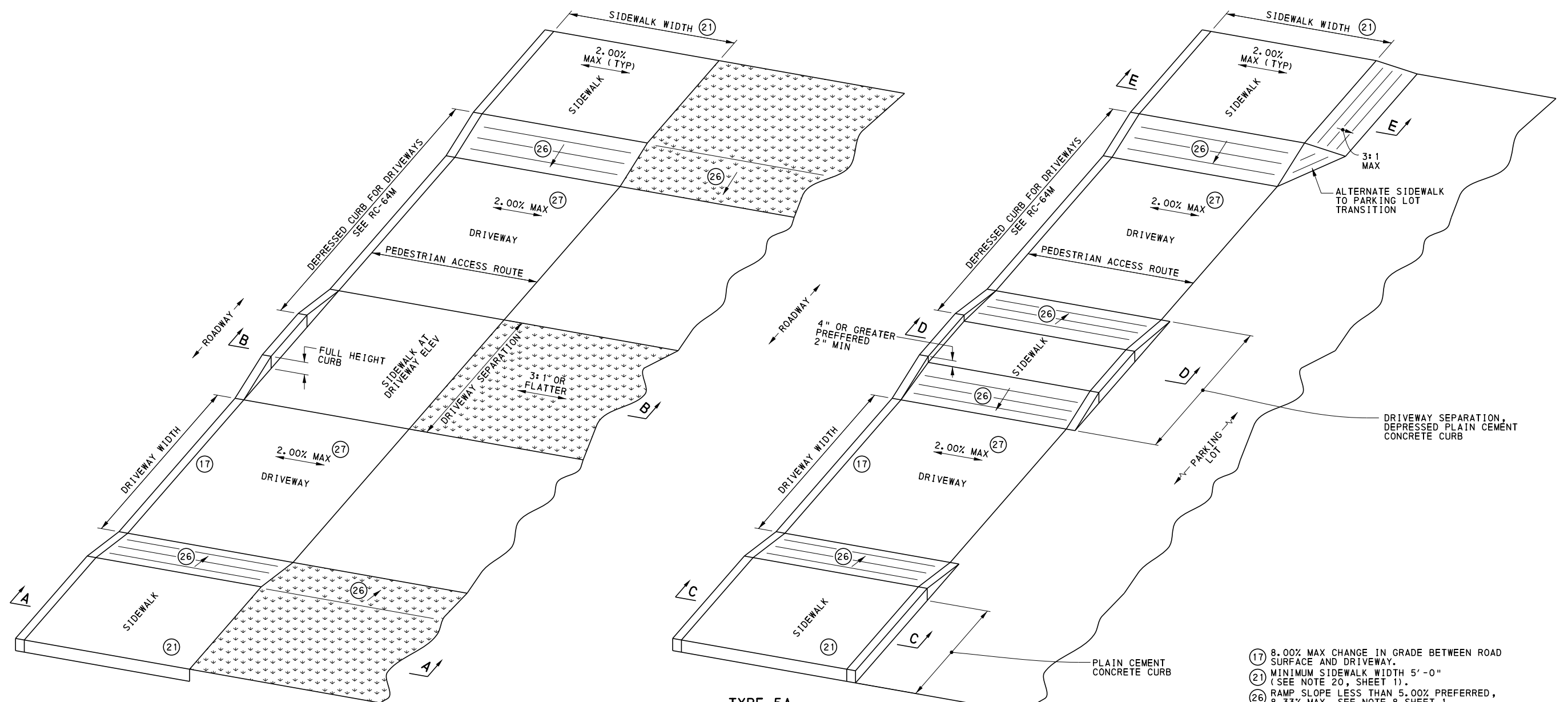
**TYPE 4
DRIVEWAY APRON**



**TYPE 3
DRIVEWAY APRON**

- (1) SIDE FLARES 10.00% MAX SLOPE.
- (4) 8.33% MAX RAMP SLOPE, SEE NOTE 8 SHEET 1.
- (17) 8.00% MAX CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY.
- (21) MINIMUM SIDEWALK WIDTH 5'-0" (SEE NOTE 20, SHEET 1)
- (25) 8.00% MAX CHANGE IN GRADE BETWEEN DRIVEWAY SURFACE AND SIDEWALK.

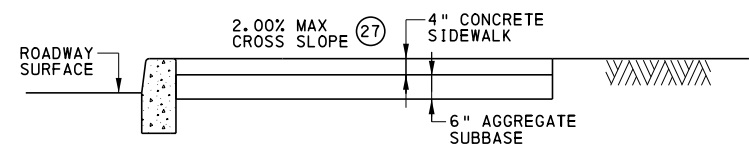
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PROJECT DELIVERY		
CURB RAMPS AND SIDEWALKS		
DRIVEWAY APRONS		
RECOMMENDED JUN. 10, 2013 CHIEF, HWY. DELIVERY DIVISION	RECOMMENDED JUN. 10, 2013 ACTING DIR. BUREAU OF PROJECT DELIVERY	SHT 12 OF 14 RC-67M



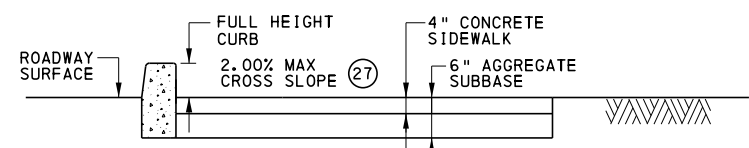
**TYPE 5
MULTIPLE DRIVEWAYS**

**TYPE 5A
MULTIPLE DRIVEWAYS**

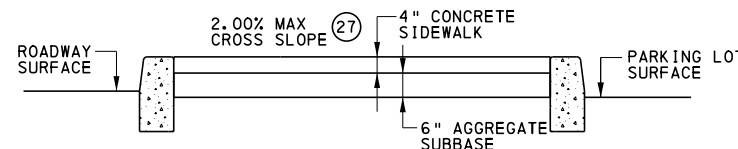
- 17 8.00% MAX CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY.
- 21 MINIMUM SIDEWALK WIDTH 5'-0" (SEE NOTE 20, SHEET 1).
- 26 RAMP SLOPE LESS THAN 5.00% PREFERRED, 8.33% MAX, SEE NOTE 8 SHEET 1.
- 27 ENSURE POSITIVE DRAINAGE.



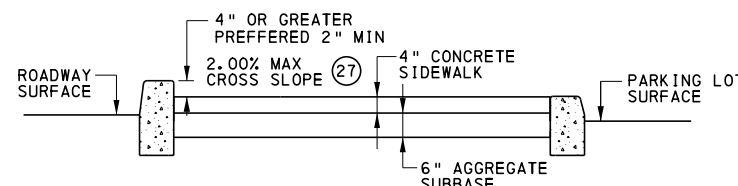
SECTION A-A



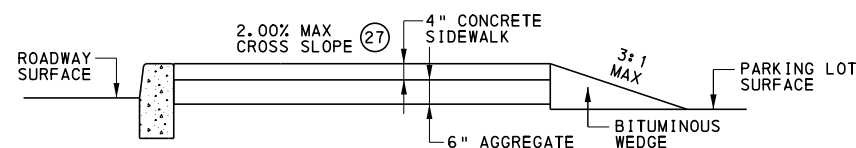
SECTION B-B



SECTION C-C



SECTION D-D



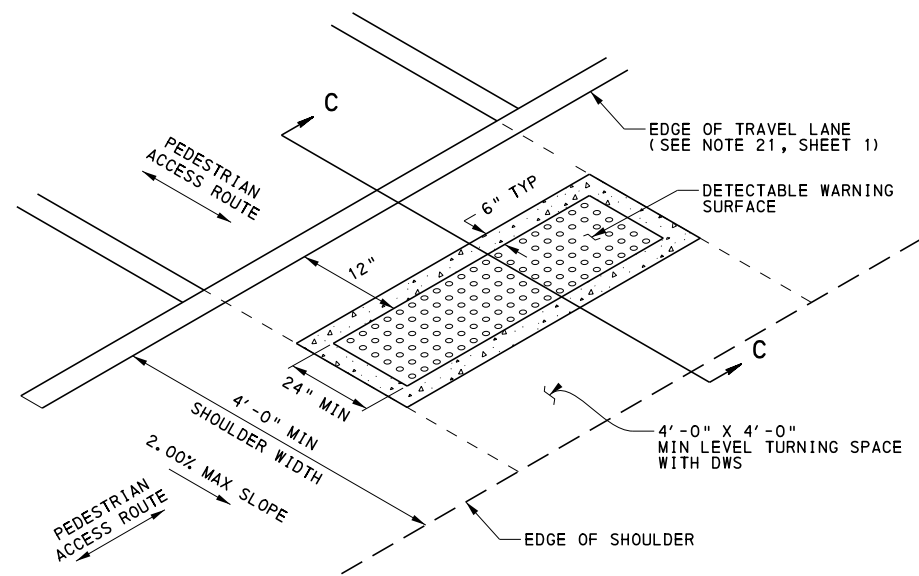
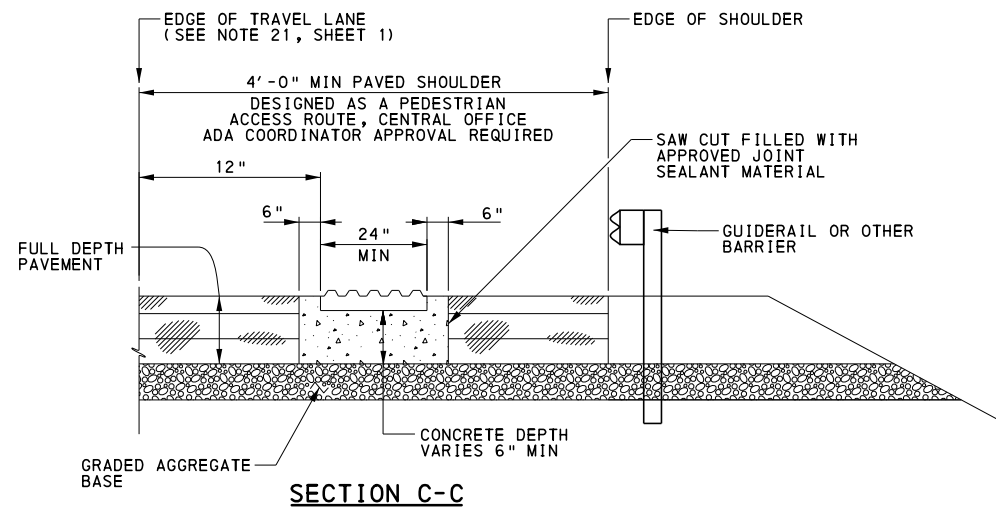
SECTION E-E

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
 BUREAU OF PROJECT DELIVERY

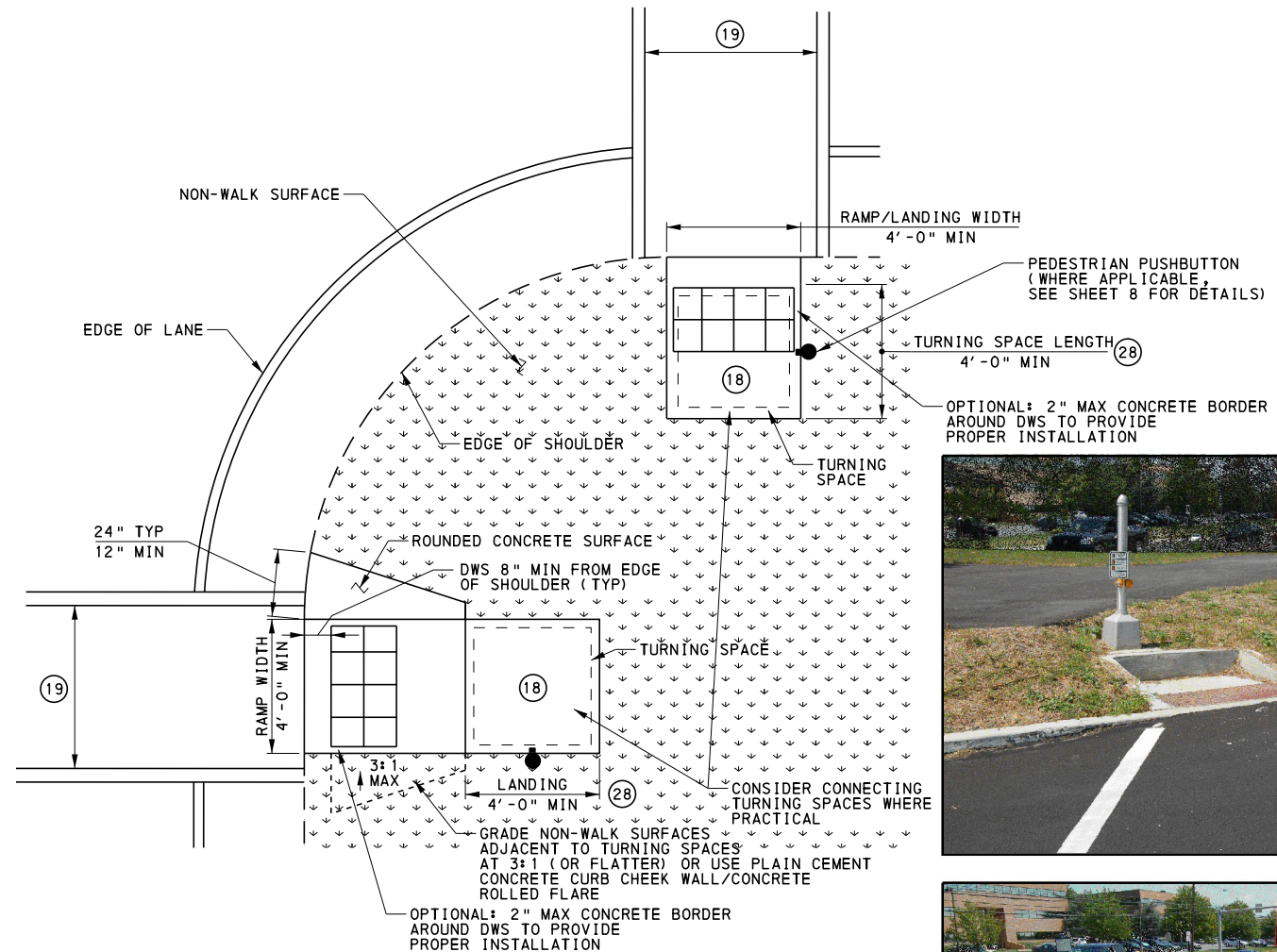
CURB RAMPS AND SIDEWALKS

DRIVEWAY APRONS

RECOMMENDED JUN. 10, 2013 <i>R. W. [Signature]</i> CHIEF, HWY. DELIVERY DIVISION	RECOMMENDED JUN. 10, 2013 <i>[Signature]</i> ACTING DIR. BUREAU OF PROJECT DELIVERY	SHT 13 OF 14 RC-67M
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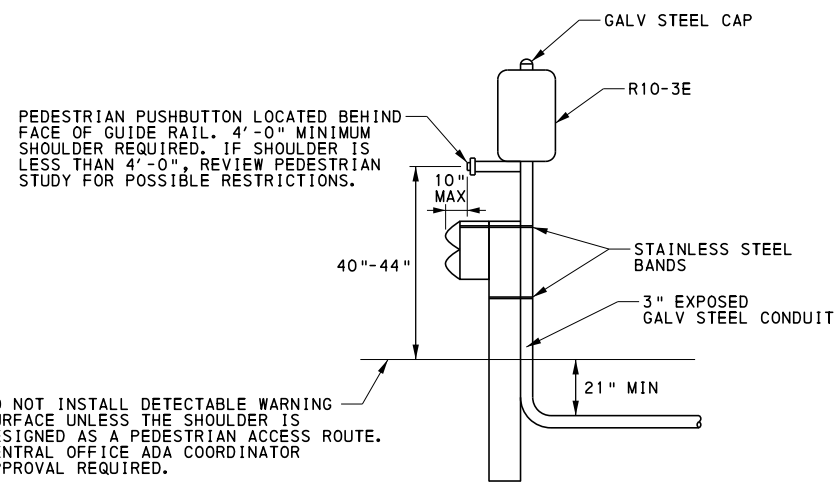


DWS PLACEMENT ON PAVED SHOULDERS DESIGNED AS A PEDESTRIAN ACCESS ROUTE (PAR)
CENTRAL OFFICE ADA COORDINATOR APPROVAL REQUIRED



PEDESTRIAN PUSHBUTTON ACCESS AREAS

- (18) CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.
- (19) 6'-0" MIN MEASURED FROM INSIDE OF PAINTED EDGE TO INSIDE OF PAINTED EDGE.
- (28) TURNING SPACES SHOWN ARE TO PROVIDE ACCESS TO PEDESTRIAN PUSHBUTTON. TURNING SPACE MUST BE 5'-0" X 5'-0" WHEN CONFINED ON TWO OR MORE SIDES.



PEDESTRIAN PUSHBUTTON BEHIND GUIDE RAIL

DO NOT INSTALL DETECTABLE WARNING SURFACE UNLESS THE SHOULDER IS DESIGNED AS A PEDESTRIAN ACCESS ROUTE. CENTRAL OFFICE ADA COORDINATOR APPROVAL REQUIRED.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF PROJECT DELIVERY

CURB RAMPS AND SIDEWALKS
DWS PLACEMENT ON PAVED SHOULDERS AND AT PEDESTRIAN PUSHBUTTONS

RECOMMENDED JUN. 10, 2013
R. W. [Signature]
CHIEF, HWY. DELIVERY DIVISION

RECOMMENDED JUN. 10, 2013
[Signature]
ACTING DIR. BUREAU OF PROJECT DELIVERY

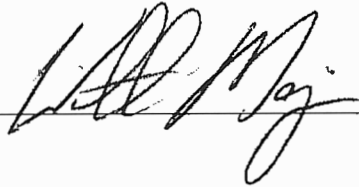
SHT 14 OF 14
RC-67M

TABLE A
CEMENT CONCRETE CRITERIA
(From PennDOT Pub 408/2016)

Class of Concrete	Use	Cement Factor ⁽³⁾⁽⁵⁾ (lbs/cu. yd.)		Maximum Water Cement Ratio ⁽⁶⁾ (lbs/lbs)	Minimum Mix ^(2,9) Design Compressive Strength (psi)			Proportions Coarse ⁽¹⁾ Aggregate Solid Volume (cu. ft./cu. yd.)	28-Day Structural Design Compressive Strength (psi)
		Min.	Max.		Days				
					3	7	28		
AAAP	Bridge Deck	560	690	0.45	—	3,000	4,000	—	4,000
HPC	Bridge Deck	560	690	0.45	—	3,000	4,000	—	4,000
AAA ⁽⁴⁾	Other	634.5	752	0.43	—	3,600	4,500	—	4,000
AA	Slip Form Paving ⁽⁷⁾	587.5	752	0.47	—	3,000	3,750	11.00-13.10	3,500
AA	Paving	587.5	752	0.47	—	3,000	3,750	9.93-13.10	3,500
AA	Accelerated Patching ⁽⁸⁾	587.5	800	0.47	—	—	3,750	9.93-13.10	3,500
AA	Structures and Misc.	587.5	752	0.47	—	3,000	3,750	9.93-13.10	3,500
A		564	752	0.50	—	2,750	3,300	10.18-13.43	3,000
C		394.8	658	0.66	—	1,500	2,000	11.45-15.10	2,000
HES		752	846	0.40	3,000	—	3,750	9.10-12.00	3,500

BILL NO. 18 OF 2016

Moved by: _____



An ordinance to amend and update Section 9-103 of the Codified Ordinances of the City relating to street cuts and excavations to add requirements for sidewalks; increase and modify fees associated with street cuts; add time and duration restrictions on permits; authorize City performed or directed repairs for non-compliant properties; and to authorize the City to secure reimbursement and lien properties benefitting from City performed or directed repairs and related costs.

WHEREAS, the City is vested with certain authority and responsibilities to keep City streets in order and repair and in safe passable condition; and

WHEREAS, the Council of the City of Harrisburg finds and declares that the physical condition of the public streets and sidewalks in the City may be improved if the companies and contractors permitted to gain access to and work within the rights-of-way of the City of Harrisburg are properly regulated; and

WHEREAS, that continued administration of section 9-103 and related parts require that amendments be made to better administer the City's responsibilities; and

WHEREAS, the Council of the City of Harrisburg finds and declares these amendments are made with the express intent to the regulate work within a public sidewalk in a manner similar to a public street, limit the granting of supplemental permits to ensure timely completion of the permitted work, grant the City Engineer the right to refuse to issue a permit if the posted financial security is insufficient to warranty the restoration and maintenance obligations of the permitted, increase the administrative fees and degradation fees charged, allow for emergency

31 work and allow the City to charge for repair work and issue liens work in lieu of criminal
32 citations.

33

34 **NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF**
35 **HARRISBURG, AND IT IS HEREBY ENACTED BY AUTHORITY OF THE SAME,** as
36 follows:

37

38 **SECTION 1.** Section § § 9-103.1 Permit required; expiration

39

40 A. No person, firm or corporation shall cut or dig open [the paved] any roadway of any
41 public street or sidewalk within the City without first obtaining a permit therefor from the office
42 of City Engineer.

43

44 B. A separate permit is required for each property address. An exception may be granted by
45 the City Engineer for major trench work serving multiple addresses.

46

47 C. The office of the City Engineer shall issue a permit which shall be valid for up to six
48 months from the date of issue. All permitted work shall be completed within those six months.
49 Permits which are approaching expiration may be extended by applying for a supplemental
50 permit valid for up to an additional six months. No more than two supplemental permits may be
51 granted.

52

53 D. Cuts made to access public utilities must be submitted in the name of the utility facility
54 owner or operator providing the utility service. An application for a public utility cut may not be
55 in the name of a contractor, nor in the name of a person being serviced by the public utility.

56

57 E. Curb, sidewalk, driveway cuts and any other work not involving a public utility shall be
58 submitted in the name of the property owner or contractor for the property owner

59

60 § 9-103.2 Permit application.

61 The application for the required permit shall be made in writing on the form prescribed and shall
62 be signed by the applicant. The application shall be signed by the applicant. The application
63 shall set forth the location and description of the premises for which such cut or opening is to be
64 made and the name of the owner thereof, the dimensions and purpose of the proposed cut or
65 opening and the approximate time required for the [complete] completion of the work. In
66 addition, the applicant shall furnish such other or further information as the City Engineer may
67 require.

68

69 § 9-103.3 Permit issuance; authority to regulate openings.

70

71 A. The City Engineer shall have the right to refuse to issue any such permit if, in his or her
72 opinion, the proposed work is not necessary or if, in his or her opinion, the bond filed pursuant to
73 § 9-103.5 is insufficient to warranty the applicant's restoration and maintenance obligations on
74 all outstanding permits under this chapter.

75

76 B. The City Engineer shall promulgate a procedures manual to describe the procedures,
77 standards and methods by which applicants will be permitted to gain access to and work within
78 the rights-of-way of the City of Harrisburg. The City Engineer will conduct periodic reviews of
79 the procedures manual and modify from time to time where, in his or her opinion, the change
80 will enhance public safety, minimize inconvenience to the general public or ensure that all
81 excavations made are restored in accordance with this chapter. Further, upon the granting of any
82 such permit, the City Engineer shall have the authority to regulate the manner of making the
83 actual cuts or openings so as not to interfere unnecessarily with the proper use of the highways
84 by the public. Such authority shall include, but not be limited to, the power to require[d] that
85 work be done on a continuous, around-the-clock, twenty-four-hour basis.

86

87 § 9-103.4 Appeal from permit refusal.

88

89 Within five days from the refusal by the City Engineer to issue any such permit, any applicant
90 may appeal in the manner provided by law for appeals from the decisions of local agencies.

91

92 § 9-103.5 Bond requirements.

93

94 Before the issuance of any such permit, the applicant therefor, as principal, shall execute and file
95 with the office of the City Engineer a bond, conditioned that the applicant shall fully and
96 completely perform all acts and things necessary to be performed with respect to the restoration
97 and maintenance of the highway and the payment of the cost of such restoration and
98 maintenance. [The bond shall be signed by the applicant and shall be in the amount of \$25,000.]
99 The bond shall remain in effect for a period of two years from acceptance of the final restoration
100 or five years from the date of issuance, whichever is longer. [Public utility companies desiring to
101 open streets shall submit a bond in the amount of \$50,000 that will be warranty all work
102 performed in one calendar year.] A new bond shall be submitted each twelve-month period and
103 shall remain in effect as provided herein in this section. The amount of the bond shall be:

104

105 A. \$50,000 for public utility companies;

106

107 B. \$10,000 for curb, sidewalk, driveway cuts and any other work not involving a public
108 utility except that for work limited to only sidewalk and curb improvements, the applicant may
109 post financial security in the form of a bond, letter of credit or other approved form in the
110 amount of \$150 per square yard.

111

112 § 9-103.6 Restoration and maintenance.

113

114 It shall be the duty of the person receiving the permit, in the manner set forth in this chapter, to
115 cause promptly such highway or sidewalk to be restored within six (6) months from
116 permit/supplement issue date.

117

118 § 9-103.7 [Barricades and warning lights required.] Maintenance and Protection of Traffic.

119 [Any person or persons, firm or corporation hereafter granted a permit to cut or dig open the
120 paved roadway of any public street within the City shall, for the protection of the traveling
121 public, erect and maintain barricades and warning lights, per the Pennsylvania Department of
122 Transportation's rules and regulations regarding work zone traffic controls, at the site of each cut

123 or opening until the said roadway is restored to the conditions as required by this chapter.] When
124 closing either vehicular or pedestrian traffic lanes due to construction, the applicant must provide
125 a Maintenance and Protection of Traffic plan conforming to PennDOT Publication 213 and any
126 additional criteria set forth in the procedures manual promulgated pursuant to § 9-103.3.

127

128 § 9-103.8 Fees.

129

130 A. Administrative and inspection fees

131

132 (1) The office of the City Engineer shall charge an administrative fee to a permittee
133 for a street cut or sidewalk excavation, valid for a period of up to six months, the
134 following amount:

135

136 (a) Application fee: [~~\$50~~] \$250.

137

138 (b) Application fee for work limited to only sidewalk and curb improvements:
139 \$25.

140

141 (2) The office of City Engineer shall charge an inspection fee in the following
142 amounts:

143

144 (a) Inspection fee up to and including three square yards: \$60; each
145 additional square yard: \$30 per square yard.

146

147 (b) Inspection fee for steel plate installation: \$60 each steel plate.

148

149 (c) Inspection fee for long term closures in high volume areas (vehicular or
150 pedestrian), or in areas of complicated traffic patterns or detours: \$100. The City
151 Engineer will make the determination as to whether this inspection fee is
152 applicable and promptly notify applicant before issuing permit.

153

154 (3) The office of the City Engineer shall charge an administrative fee to extend
155 permits for up to an additional six months in the following amount:

156

157 (a) Supplemental fee: [~~\$50~~] \$250.

158

159 (4) The minimum charge is one square yard. Fractions are rounded to the nearest
160 whole square yard.

161

162 B. The office of the City Engineer shall also charge a degradation fee to a permittee for a
163 street cut or excavation that has been applied for and granted within 10 years after [the City has
164 repaved a street] a street has been repaved. This charge will be on a sliding-scale basis. The
165 minimum charge is two square yards, rounded to the nearest whole square yard. Those charges
166 will be: [

167

1st Year	2nd Year	3rd Year	4th Year	5th Year	6th to 10th Year
\$110/square yard	\$100/square yard	\$90/square yard	\$80/square yard	\$70/square yard	\$60/square yard

168

169 The above charges apply if degradation involves a cement concrete foundation with any asphalt
170 surface.

171

\$80/square yard	\$70/square yard	\$60/square yard	\$50/square yard	\$40/square yard	\$30/square yard
------------------	------------------	------------------	------------------	------------------	------------------

172

173 The above charges apply if degradation involves a bituminous concrete surface with bituminous
174 or stone base.]

175

1st Year	2nd Year	3rd Year	4th Year	5th Year	6th to 10th Year
<u>\$150/square yard</u>	<u>\$140/square yard</u>	<u>\$130/square yard</u>	<u>\$120/square yard</u>	<u>\$110/square yard</u>	<u>\$100/square yard</u>

176

177 C. If work has been performed prior to submission of an application for a street cut opening
178 or permit or receipt by the Engineer's office of any bond required by this chapter; the applicant
179 shall pay an administrative fee equal to the amount charged for a permit to cover costs for review
180 and inspection of work already performed, in addition to paying the normal permit fee, resulting
181 in a doubled fee.

182

183 § 9-103.9 Service of notice.

184

185 Whenever notice is necessary under this chapter, such notice shall be properly served if a copy is
186 mailed to the address provided in the permit application or upon such owner if a copy thereof is
187 delivered to the owner personally; or by leaving a notice at the usual place of abode with
188 someone of suitable age and discretion, who shall be informed of the contents thereof; or at the
189 principal place of business; or by certified or registered mail, addressed to the owner of the last
190 known address, with return receipt showing it has been delivered. If the return receipt shows that
191 it has not been delivered, then service may be made by posting a copy thereof in a conspicuous
192 place in or about the structure affected by such notice. Such notice shall set forth a reasonable
193 time for such compliance to be accomplished.

194

195 § 9-103.9 Emergency Work.

196

197 The term "emergency" shall mean the repair of a utility which must be made to restore service,
198 to avoid property damage, or to eliminate danger to the public. Notice of an emergency
199 pavement cut shall be given to the office of City Engineer by telephone or email during normal
200 business hours. If after normal business hours, then notification shall be given at the beginning of
201 the next business day. An application will be made for a permit for all emergency work within
202 seventy-two (72 hours) after the work is started. All other provisions of this chapter shall apply
203 to emergency work.

204

205 § 9-103.99 Enforcement; penalty

206

207 A. The Director of Public Works, the City Engineer, Plumbing Inspector, and Codes
208 Administrator [and Director of the Bureau of Water] shall act in the capacity of police officers
209 for the limited purpose of issuing nontraffic summary citations to owner(s) of premises or
210 persons who are found in violation of this chapter. Any person or utility who continues to
211 violate any section of this chapter shall receive no further permits until such time as the City is
212 satisfied that the person or utility shall comply with the terms of this chapter.

213

214 B. The City Engineer hereby designates the representatives of the City Engineer to issue
215 such citations.

216

217 C. Violation of any part or whole of this chapter shall be punishable under the general code
218 penalty, §1-301.99, and any other law or regulation.

219

220 D. If the work or any part thereof mentioned in the preceding sections of repairing or
221 backfilling the trenches or excavations or street or sidewalk restoration aforesaid shall
222 unskillfully or improperly be done or not completed by the timeline aforesaid, the City may, in
223 lieu of issuing the aforementioned criminal citations, cause the same to be skillfully and properly
224 done, and shall keep an account of the expense thereof, and such case such person or utility shall
225 pay the City an amount equal to the whole of said expense incurred by City with an additional
226 amount of fifty (50) percent, and, otherwise lien a related property where the work is the
227 responsibility of private ownership of the related property. Thereafter, upon completion of the
228 work and the determination of the costs thereof, the office of City Engineer shall issue no further
229 or new permits or supplemental permits to the person or utility until the City receives payments
230 of said costs. For purposes of enforcement under this Chapter, the term person shall include any
231 individual, business entity or utility.

232

233 **SECTION 2.** DELEGATION. Appropriate City officials are authorized to take such actions as
234 are necessary to effectuate this ordinance.

235

236 **SECTION 3.** SEVERABILITY. If any provision, sentence, clause, section or part of this
237 ordinance or the application thereof to any person or circumstance is for any reason found to be

238 unconstitutional, illegal or invalid by a court of competent jurisdiction, such unconstitutionality,
239 illegality or invalidity shall not affect or impair any of the remaining provisions, sentences,
240 clauses, sections or parts of this ordinance. It is hereby declared as the intent of the Council of
241 the City of Harrisburg that this ordinance would have been adopted had such unconstitutional,
242 illegal or invalid provision, sentence, clause, section or part not been included herein.

243

244 **SECTION 4. REPEALER.** All ordinances or provisions of ordinances in conflict with the
245 provisions of this ordinance are hereby repealed in so far as they are inconsistent herewith.

246

247 **SECTION 5. EFFECTIVE DATE.** This ordinance shall take effect in accordance with the law.

248

249

250 Seconded by: Shawann L. Daniel

251

252 PASSED by City Council on the 11 day of October, 2016

253

254 SIGNED by the Mayor on the _____ day of _____, 2016

Passed the City Council October 11, 2016

Wanda R. N. Williams
President of City Council
Attest Kel P. [Signature]
City Clerk

Approved
 Returned to City Council with objections

[Signature]
Mayor
10/11/16
Date

YEAS		NAYS
<input checked="" type="checkbox"/>	MR. ALLATT	
<input checked="" type="checkbox"/>	MR. BALTIMORE	
<input checked="" type="checkbox"/>	MS. DANIELS	
<input checked="" type="checkbox"/>	MS. HODGES	
<input checked="" type="checkbox"/>	MR. JOHNSON	Excused
<input checked="" type="checkbox"/>	MR. MAJORS	
<input checked="" type="checkbox"/>	MS. WILLIAMS	
Yeas	<u>6</u>	
Nays	<u>0</u>	

INTER

OFFICE

MEMO

To: HARRISBURG CITY COUNCIL
From: Kirk Petroski, City Clerk
LEGISLATIVE APPROVAL FORM

Date: _____

LEGISLATIVE APPROVAL FORM/CERTIFICATE OF ACCEPTANCE

BILL NO. 17 -2016 RESOLUTION NO. 888 -2016

THE ABOVE LISTED ITEM WAS WRITTEN AND PREPARED FOR FINAL INTRODUCTION AT THE HARRISBURG CITY SOLICITOR'S OFFICE ON:

[Signature]
City Solicitor

08/19/2016
Date

Requested by Department/Bureau: Engineering / W. Hutton

Department/Bureau Contact Person: _____

For Action on or before:

The attached was received in the Office of the City Clerk for introduction on

Received by: *[Signature]*

Date: 8-19-16

