



BOROUGH OF AMBRIDGE
600 ELEVENTH STREET
AMBRIDGE, PA 15003
724-266-4070

STREET OPENING APPLICATION AND SIDEWALK PERMIT

\$75.00

| | | | |
|---|---------------------|---|--|
| 1. Applicant's Name: | | 2. Business Address & Telephone Number: | |
| 3. Start Date: (M/D/YR) | 4. Completion Date: | 5. Name of Street to be Opened: | |
| 6. Nearest Intersecting Street to Opening: | | 7. Street Numbers of Abutting Properties: | |
| 8. Size of Opening: Width _____ Depth _____ Length _____ | | 9. Distance of Opening From Curb or Pavement Edge (Feet): | |
| 10. Purpose of Opening: | | | |

I (we) hereby agree to be bound by the provisions of the ordinances, specifications, and regulations of the Borough governing openings in or under municipal streets and right-of-ways, and to such special conditions, restrictions and regulations as many be imposed by the Superintendent.

SEE INSTRUCTIONS ATTACHED TO APPLICATION-PERMIT FORM

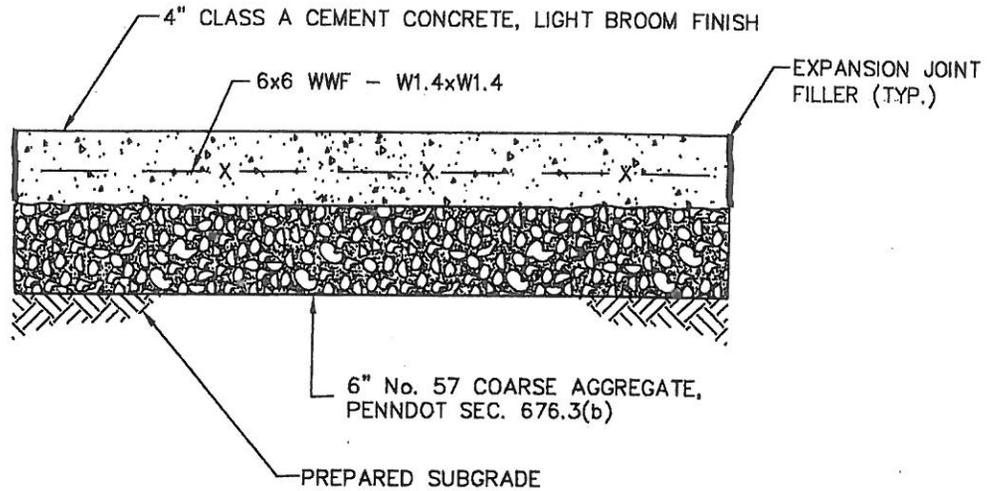
 Applicant's Signature (Date)

| | | | |
|--|--|---|----------------------|
| 11. Plans Approved By: | | 12. Date Application Approved: (M/D/YR) | |
| 13. Deposit and Refund Information: Amount Deposited \$ _____ Receipt No. _____ Cost of Work \$ _____ Amount Refunded \$ _____ | | 14. Bond Information: Bond Amount: \$ _____ Expiration Date(M/D/YR) _____ | |
| 15: Date of Refund: (M/D/YR) | | 16. Restoration Date: (M/D/YR) | |
| 17. Dates of Inspections & By Whom: | | | |
| 18. Reason Permit Revoked: | | By Whom: | Date Revoked: M/D/YR |
| 19. Insurance Information: | | 20. Workman's Comp Information: | |

The applicant is hereby authorized to Make an opening in or under the above named street at the location designated; provided, however, all work is performed in accordance with the applicant's plans, the Borough's ordinances, specifications and regulations governing street openings, and the following special conditions.:

_____ or such speial conditions as may be imposed during the performance of the authorized work.

Permit Number: _____



STANDARD SIDEWALK REPLACEMENT/INSTALLATION DETAIL

NOTES:

1. SIDEWALK WIDTH - 5'-0", REPLACE LENGTH JOINT TO JOINT
2. FORM OUTSIDE EDGES AND JOINTS WITH 1/4" RADIUS EDGING TOOL.
3. FORM TRANSVERSE DUMMY JOINTS @ 5 FOOT INTERVALS, APPROX. 1/8" WIDE AND AT LEAST 1 INCH DEEP
4. WHEN BUTTING INTO EXISTING CONCRETE, SAW CUT CONCRETE AND USE 1/2" PREMOLDED EXPANSION FILLER FULL DEPTH OF SIDEWALK.
5. EXPANSION JOINT @ 20'-0" MAX. SPACING. SEAL JOINTS WITH APPROVED CAULKING MATERIAL.
6. PROTECT WET/NEW CONCRETE FROM FREEZING
7. OPTIONAL: "FIBERMESH" PARTICLE REINFORCEMENT
8. OPTIONAL: CONCRETE CURING COMPOUND
9. WHENEVER POSSIBLE, SIDEWALK SURFACE SHOULD BE SLOPED FROM BACK TO FRONT AT 1/4" per FOOT TO DRAIN TOWARDS STREET

BOROUGH OF AMBRIDGE

STANDARD SIDEWALK
REPLACEMENT/INSTALLATION
DETAIL

NIRA Consulting Engineers, Inc.

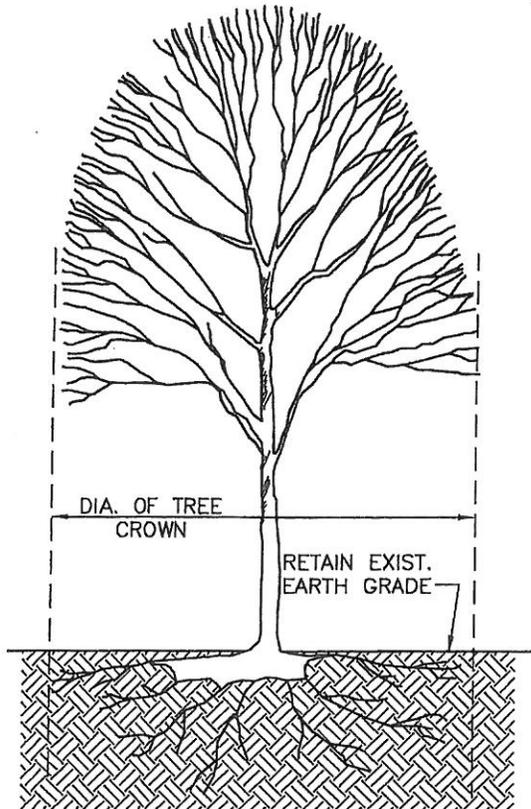
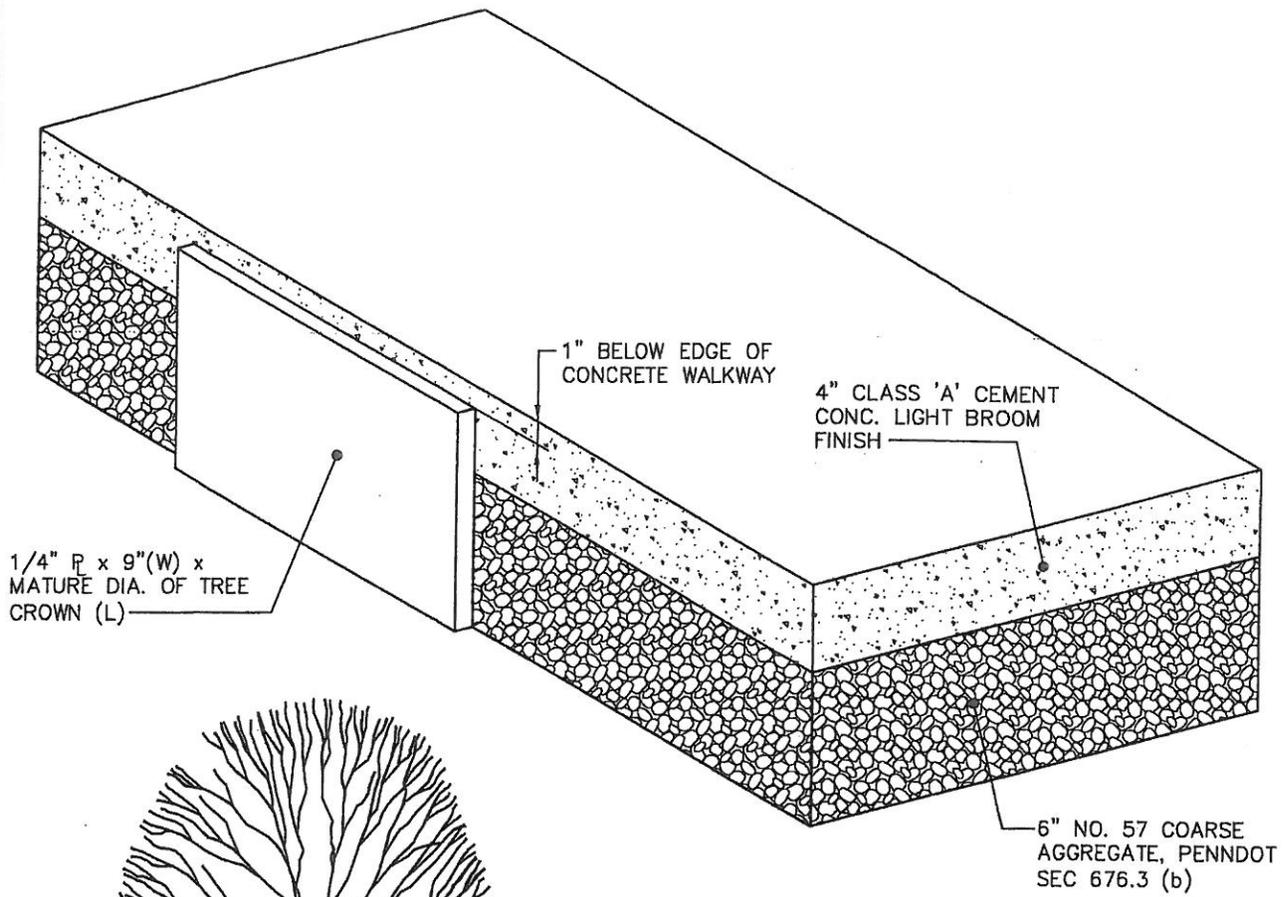
DR. E.E.B.

DATE: APRIL, 2004

REVISED FEB. 2011

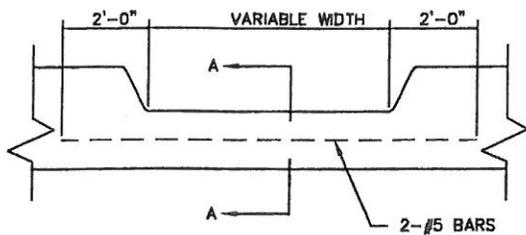
APPR: F.E.L.

DWG FILE: BASD-01

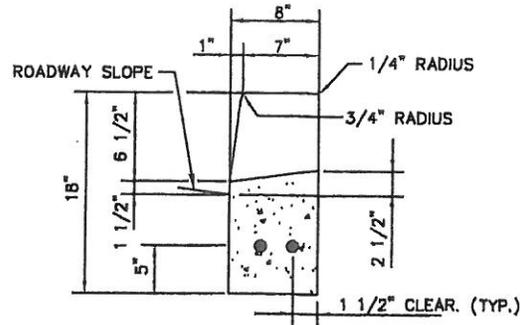


NOTE:
 PLATE (P) IS TO BE USED WHERE AN EXISTING OR PROPOSED TREE(S) ARE CLOSER THAN THE MATURE DIA. OF THE TREE CROWN TO THE EXISTING OR PROPOSED SIDEWALK. CENTER THE PLATE WITHIN THE TREE CROWN.

| | |
|---|-------------------|
| BOROUGH OF AMBRIDGE | |
| STANDARD SIDEWALK REPLACEMENT/INSTALLATION DETAIL | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: APRIL, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-02 |

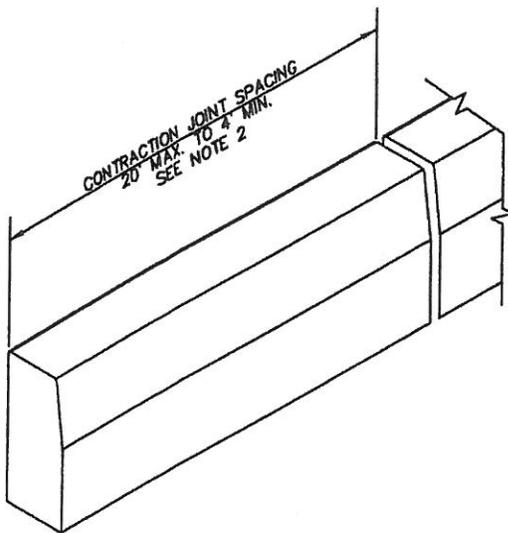


PLAN VIEW

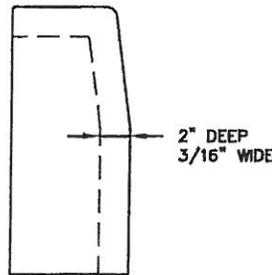


SECTION A-A

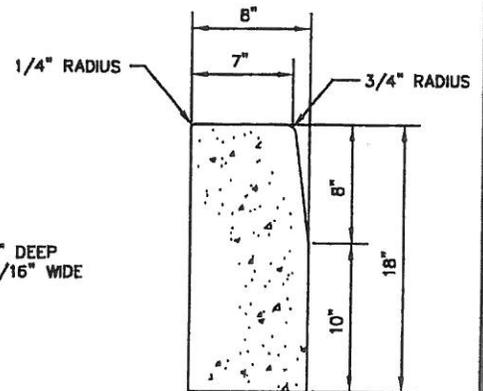
DEPRESSED CURB FOR DRIVEWAYS



PLAIN CONCRETE CURB



DETAIL A
CONTRACTION JOINT



TYPICAL
CROSS SECTION

NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTION 630 FOR PLAIN CONCRETE CURB AND DEPRESSED CURB, SECTION 640 FOR PLAIN CONCRETE CURBS.
2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
3. PLACE 3/4-INCH PREMOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY, CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.
4. REPLACE LENGTH JOINT TO JOINT

BOROUGH OF AMBRIDGE

STANDARD CURB
REPLACEMENT DETAIL

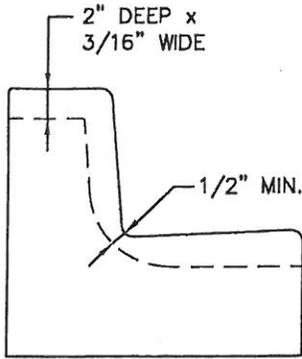
NIRA Consulting Engineers, Inc.

DR. E.E.B.

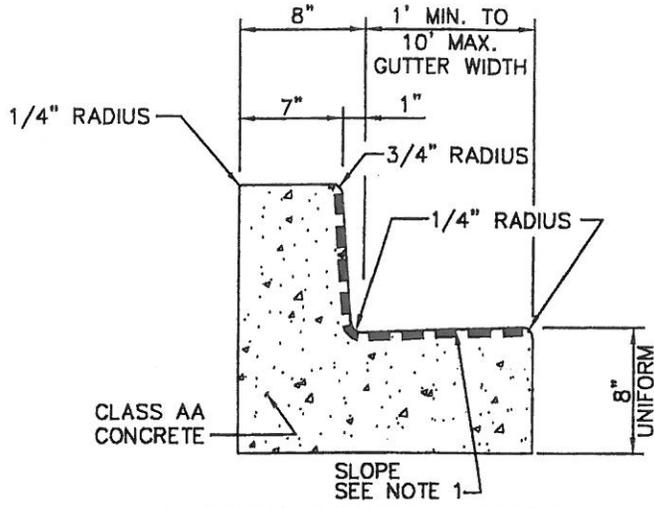
DATE: MARCH, 2004

APPR: F.E.L.

DWG FILE: BASD-03



**DETAIL C
CONTRACTION JOINT**

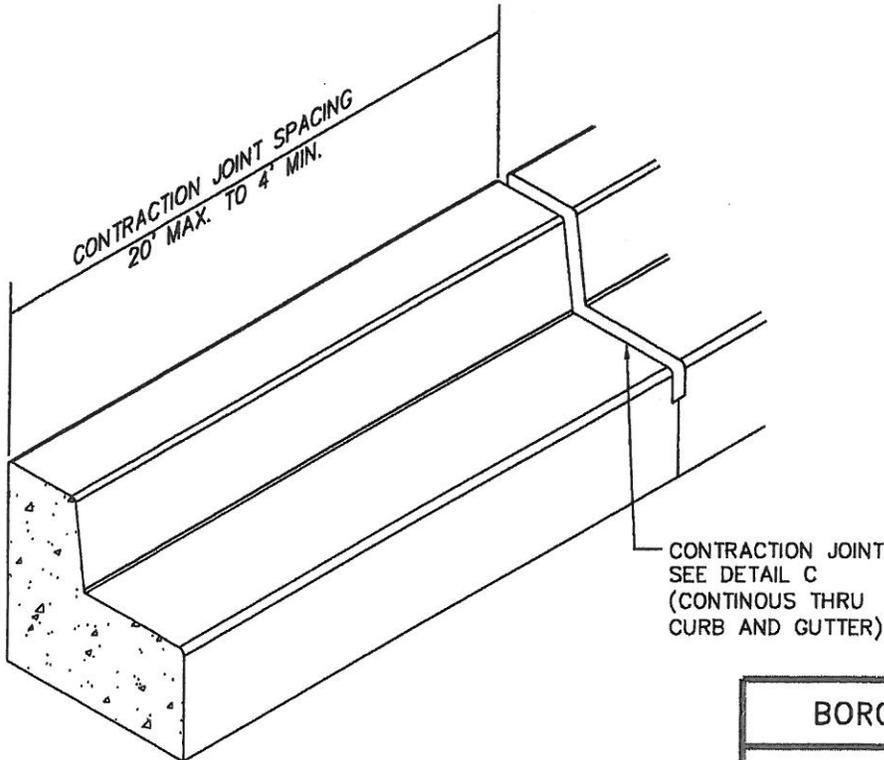


TYPICAL CROSS SECTION

NOTES:

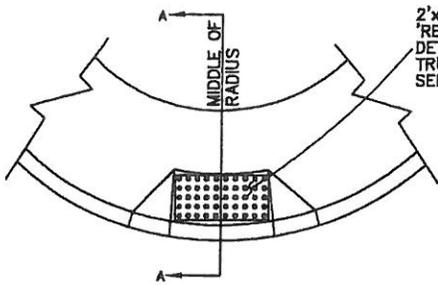
1. UNDER 5' GUTTER WIDTH = 1" PER. FT. MIN.
5' AND GREATER GUTTER WIDTH = 1/2" PER. FT. MIN.

2. REPLACE LENGTH JOINT TO JOINT



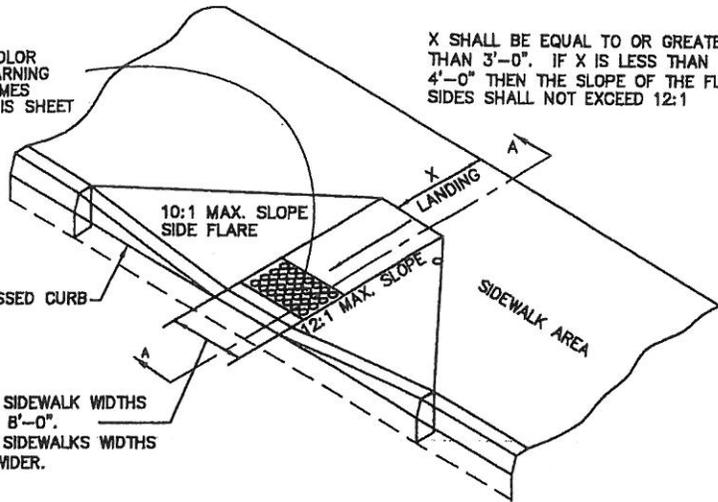
**PLAIN CEMENT
CONCRETE CURB & GUTTER**

| | |
|---|-------------------|
| BOROUGH OF AMBRIDGE | |
| STANDARD CURB GUTTER REPLACEMENT DETAILS | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: MARCH, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-04 |



**TYPE 1 CURB RAMP
ON RADIUS**

2'x3' MAT
'RED BRICK' COLOR
DETECTABLE WARNING
TRUNCATED DOMES
SEE DETAIL, THIS SHEET

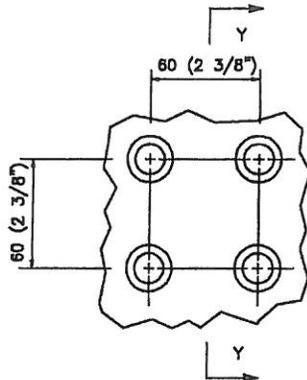


X SHALL BE EQUAL TO OR GREATER
THAN 3'-0". IF X IS LESS THAN
4'-0" THEN THE SLOPE OF THE FLARED
SIDES SHALL NOT EXCEED 12:1

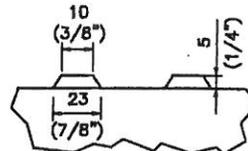
**TYPE 1 CURB RAMP
ON TANGENT**

3'-0" FOR SIDEWALK WIDTHS
LESS THAN 8'-0".
4'-0" FOR SIDEWALKS WIDTHS
8'-0" OR WIDER.

STD. CURB CUT RAMP DETAILS



PLAN



SECTION Y-Y

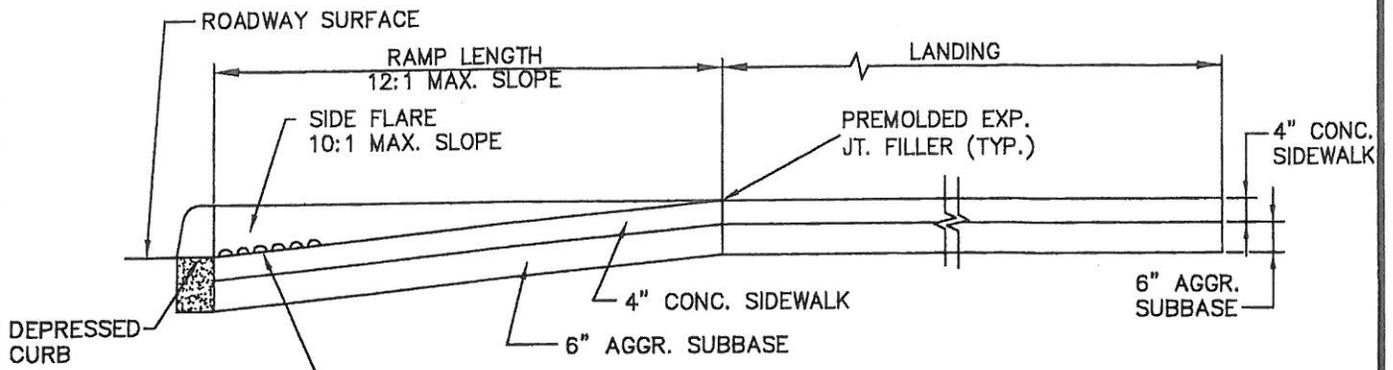
DETECTABLE WARNING TRUNCATED DOME

NOTES

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408 SPECIFICATIONS, SECTIONS 630, 676, 420, 421, AND 422.
2. PROVIDE 1/2" EXPANSION JOINT MATERIAL WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
3. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
4. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP, EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.
5. CONSTRUCTION DETAILS SHALL BE MODIFIED TO ADAPT DIMENSIONS TO EXISTING CURB ALTERATIONS WHERE THE CURB IS LESS THAN THE STANDARD 8-INCH HEIGHT.
6. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK PITCH. SEE TABLE A ON PG. 9 FOR TYPICAL RAMP DIMENSIONS.
7. WHENEVER POSSIBLE, CONSTRUCT THE TRANSITION SLOPE FROM THE CURB RAMP AND FLARE SIDES TO ADJOINING SURFACES WITH A GRADUAL CURVE RATHER THAN AN ABRUPT ANGLE.
8. REPLACE LENGTH JOINT TO JOINT

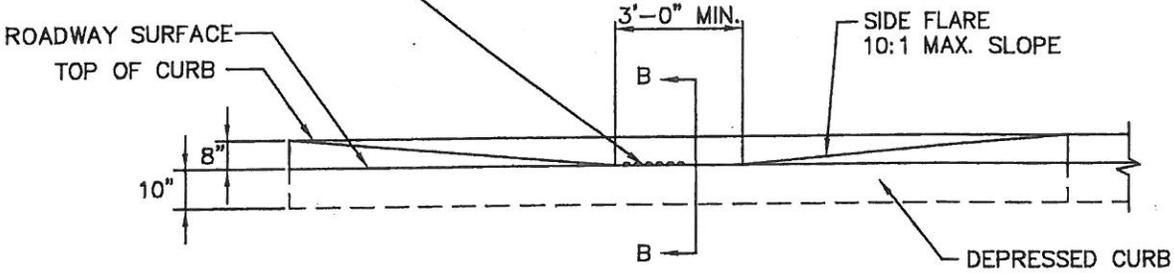
REV. SEPTEMBER 2010

| | |
|--|-------------------|
| BOROUGH OF AMBRIDGE | |
| CURB CUT RAMPS | |
| NIRA Consulting Engineers, Inc. | |
| DR. cps | DATE: MARCH, 2010 |
| APPR: F.E.L. | DWG FILE: BASD-05 |



INSTALL 2'x3' MAT
'RED BRICK' COLOR
DETECTABLE WARNING
TRUNCATED DOMES
SEE STD. DETAIL BASD-05
(REVISED SEPT. 2010)

**SECTION A-A
TYPE 1**

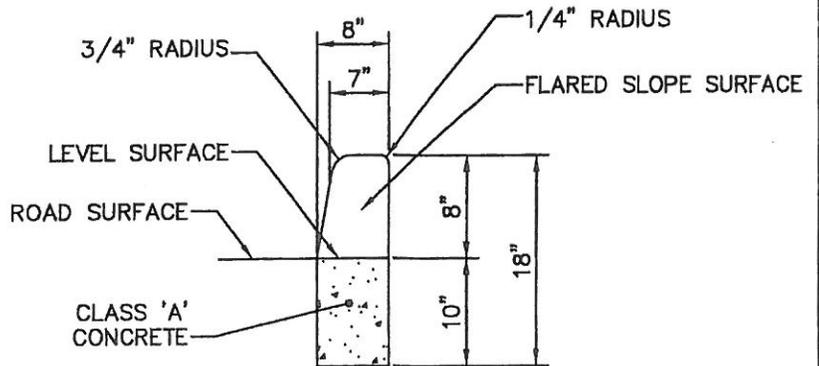


**ELEVATION
TYPE 1**

| CURB RAMP DIMENSIONS NEW CURB CONSTRUCTION | | | | |
|---|-----------------|-------------------------|------------------------------|------------------------------|
| RISE OF RAMP * | MAX. RAMP SLOPE | NOMINAL RAMP LENGTH(FT) | SIDE FLARE DIMENSION AT CURB | SIDE FLARE DIMENSION AT CURB |
| 3" | 12:1 | 3.0' | 2.5' | 3.0' |
| 4" | 12:1 | 4.0' | 3.3' | 4.0' |
| 5" | 12:1 | 5.0' | 4.2' | 5.0' |
| 6" | 12:1 | 6.0' | 5.0' | 6.0' |
| 7" | 12:1 | 7.0' | 5.8' | 7.0' |
| 8" | 12:1 | 8.0' | 6.7' | 8.0' |
| 9" | 12:1 | 9.0' | 7.5' | 9.0' |
| 10" | 12:1 | 10.0' | 8.4' | 10.0' |
| 11" | 12:1 | 11.0' | 9.2' | 11.0' |
| 12" | 12:1 | 12.0' | 10.0' | 12.0' |

| CURB RAMP DIMENSIONS NEW CURB CONSTRUCTION * | | | | |
|---|-----------------|-------------------------|------------------------------|------------------------------|
| RISE OF RAMP * | MAX. RAMP SLOPE | NOMINAL RAMP LENGTH(FT) | SIDE FLARE DIMENSION AT CURB | SIDE FLARE DIMENSION AT CURB |
| 3" | 8:1 | 2.0' | 2.5' | 3.0' |
| 4" | 10:1 | 3.3' | 3.3' | 4.0' |
| 5" | 10:1 | 4.2' | 4.2' | 5.0' |
| 6" | 10:1 | 5.0' | 5.0' | 6.0' |

* USE ONLY WHEN SPACE LIMITATIONS PROHIBIT THE CONSTRUCTION OF 12:1 OR FLATTER SLOPES
* CURB HEIGHT PLUS RISE OF SIDEWALK CROSS SLOPE

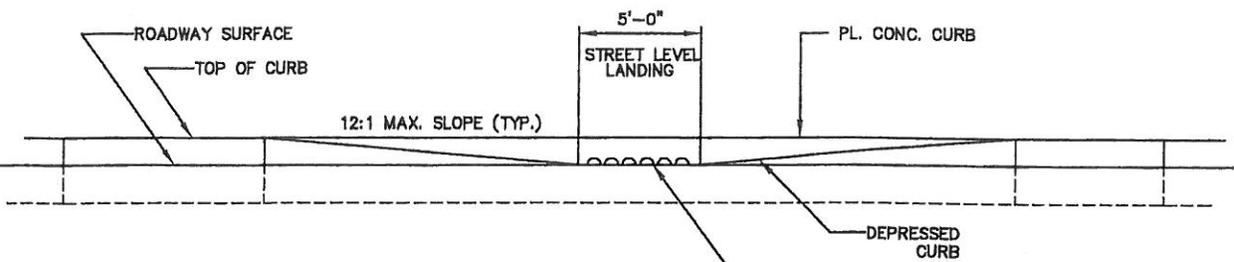


**DEPRESSED CURB
SECTION B-B**

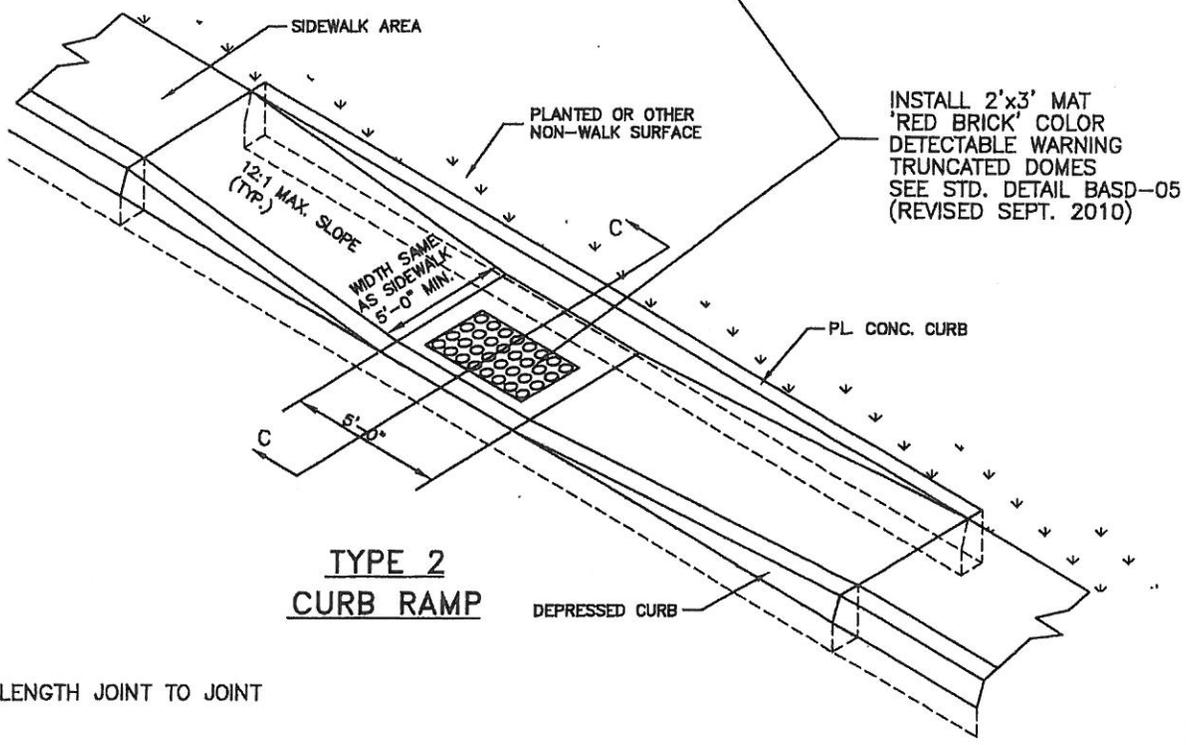
NOTE:
REPLACE LENGTH JOINT TO JOINT

REV. SEPTEMBER 2010

| | |
|-------------------------------------|-------------------|
| BOROUGH OF AMBRIDGE | |
| TYPE 1 CURB CUT RAMP REPLACEMENT | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: MARCH, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-06 |



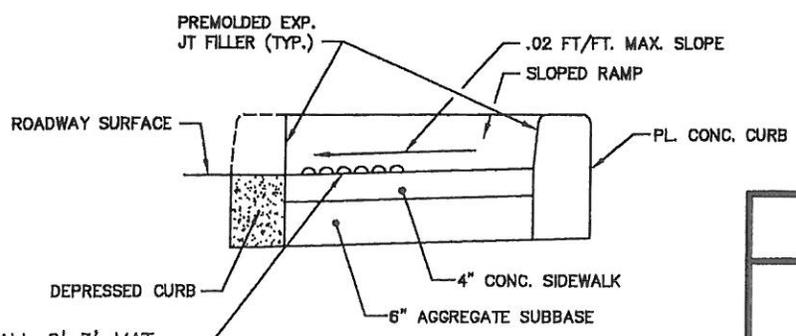
**TYPE 2 CURB RAMP
ELEVATION**



INSTALL 2'x3' MAT 'RED BRICK' COLOR DETECTABLE WARNING TRUNCATED DOMES SEE STD. DETAIL BASD-05 (REVISED SEPT. 2010)

**TYPE 2
CURB RAMP**

NOTE:
REPLACE LENGTH JOINT TO JOINT

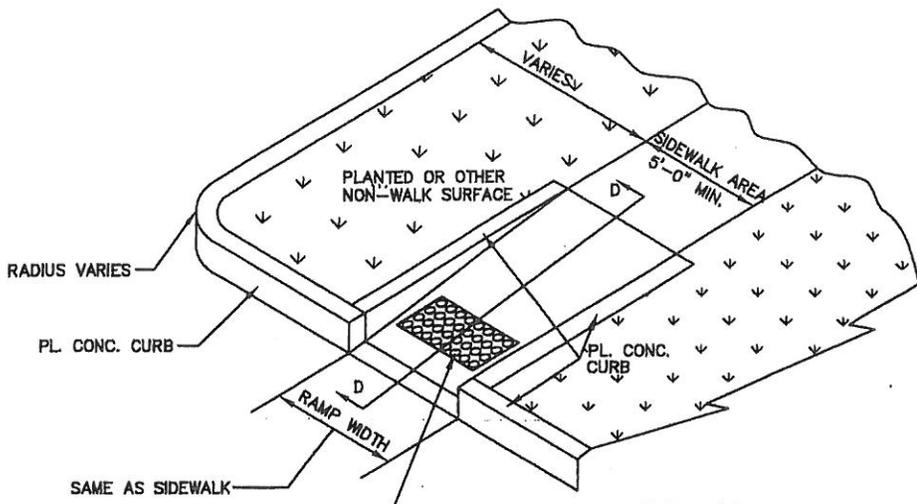


**TYPE 2 CURB RAMP
SECTION C-C**

INSTALL 2'x3' MAT 'RED BRICK' COLOR DETECTABLE WARNING TRUNCATED DOMES SEE STD. DETAIL BASD-05 (REVISED SEPT. 2010)

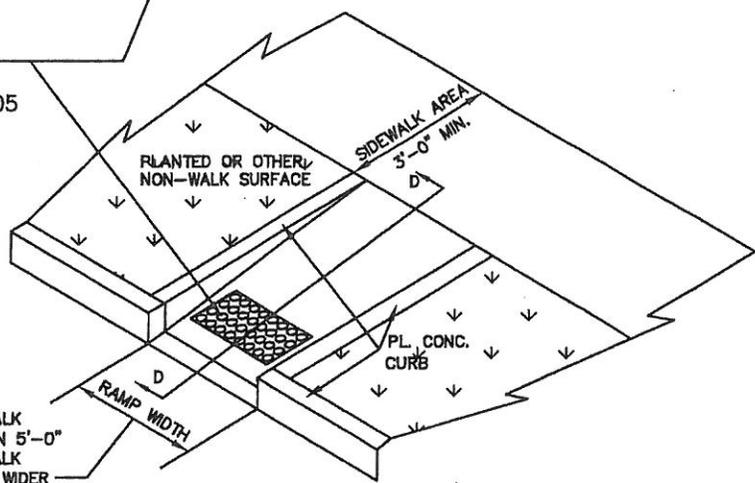
| | |
|-------------------------------------|-------------------|
| BOROUGH OF AMBRIDGE | |
| TYPE 2 CURB CUT RAMP REPLACEMENT | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: MARCH, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-07 |

REV: SEPTEMBER 2010



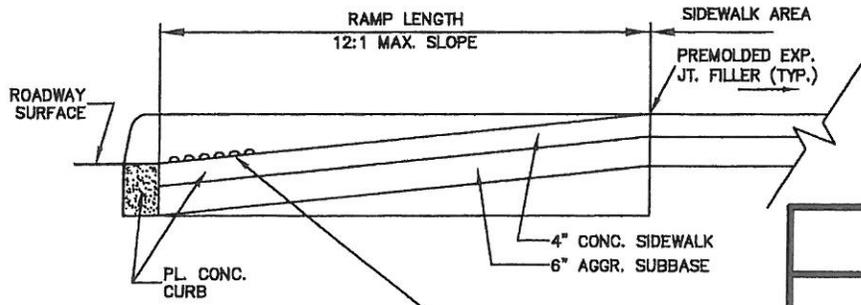
**TYPE 4A
CURB RAMP**

INSTALL 2'x3' MAT
'RED BRICK' COLOR
DETECTABLE WARNING
TRUNCATED DOMES
SEE STD. DETAIL BASD-05
(REVISED SEPT. 2010)



**TYPE 4
CURB RAMP**

3'-0" FOR SIDEWALK
WIDTHS LESS THAN 5'-0"
4'-0" FOR SIDEWALK
WIDTHS 5'-0" OR WIDER



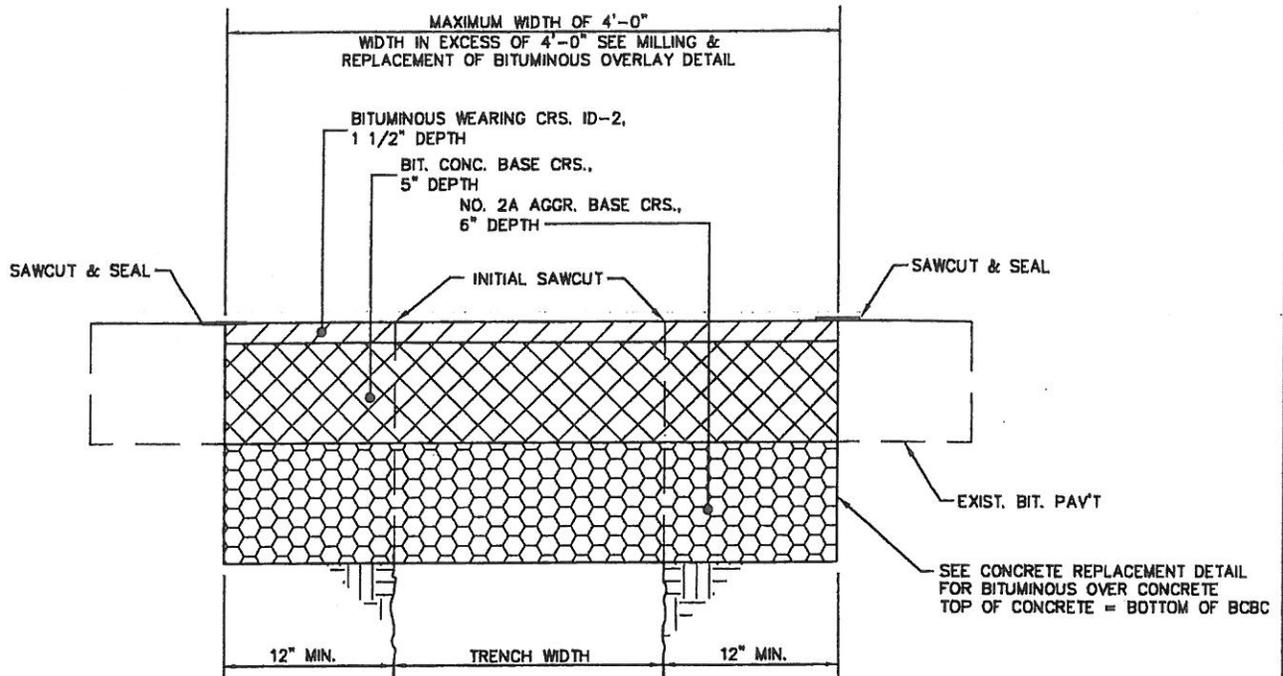
**TYPE 4 AND 4A
SECTION D-D**

INSTALL 2'x3' MAT
'RED BRICK' COLOR
DETECTABLE WARNING
TRUNCATED DOMES
SEE STD. DETAIL BASD-05
(REVISED SEPT. 2010)

NOTE:
REPLACE LENGTH JOINT TO JOINT

REV: SEPTEMBER 2010

| | |
|---|-------------------|
| BOROUGH OF AMBRIDGE | |
| TYPE 4 CURB CUT RAMP REPLACEMENT | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: MARCH, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-08 |

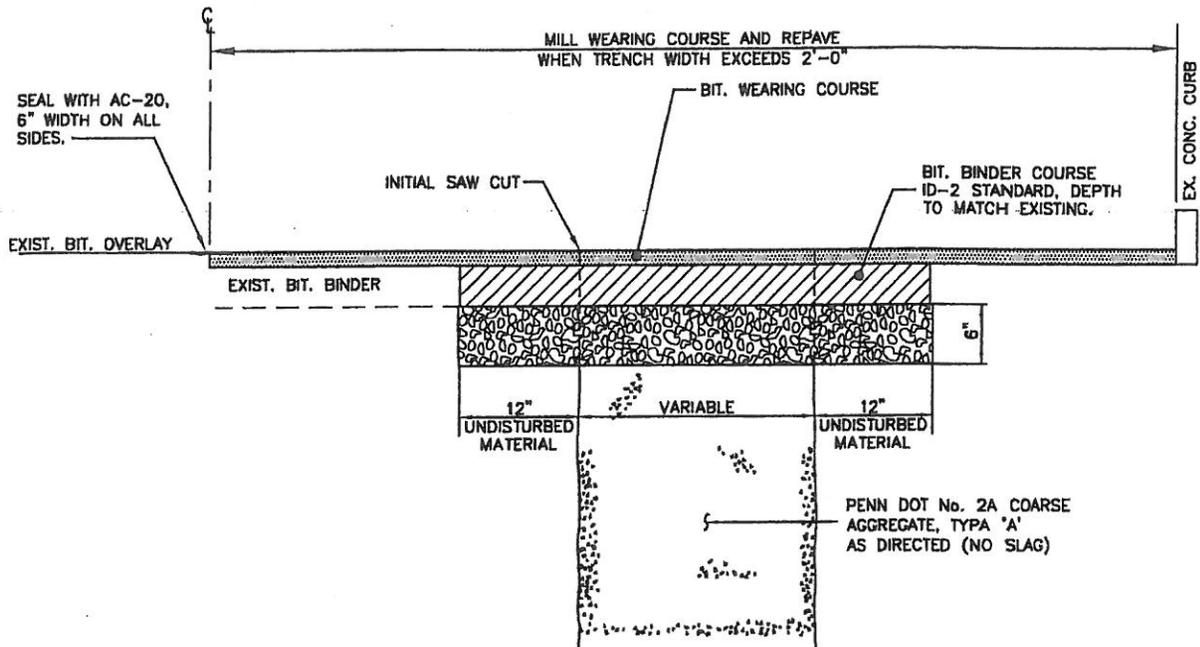


**BITUMINOUS PAVEMENT
RESTORATION DETAIL**

NOTES:

1. MULTIPLE LONGITUDINAL TRENCHES WITH LESS THAN 6'-0" FINISHED SEPARATION BETWEEN EDGES OF TRENCH RESTORATION WILL REQUIRE MILLING AND RESURFACING, AS SHOWN ON BASD-09.
2. WHEN THE EDGE OF TRENCH RESTORATION IS WITHIN 1.5' FROM THE FACE OF CURB OR ROADWAY EDGE OF THE CURB GUTTER, REMOVE THE EXISTING WEARING AND BINDER COURSES AND REPLACE SIMULTANEOUS WITH TRENCH BITUMINOUS COURSES.
3. WHEN THE EDGE OF TRENCH RESTORATION IS WITHIN 3' FROM THE FACE OF CURB OR ROADWAY EDGE OF THE CURB GUTTER, MILL OFF THE EXISTING WEARING COURSE AND REPLACE SIMULTANEOUS WITH THE TRENCH BITUMINOUS WEARING COURSE.
4. NOTES 1, 2 & 3 ALSO APPLY TO BITUMINOUS COURSES OVER BRICK AND CONCRETE ROADWAYS SEE BASD-11 FOR CONCRETE ROADWAYS.

| | |
|---|-------------------|
| BOROUGH OF AMBRIDGE | |
| BITUMINOUS PAVEMENT TRENCH RESTORATION | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: MAY, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-09 |



**MILLING AND REPLACEMENT
OF BITUMINOUS OVERLAY**

NOTE:

1. ALL BACKFILL SHALL BE COMPACTED IN 6" LAYERS, MECHANICALLY TAMPED.
2. TEMPORARY BITUMINOUS COLD PATCH SHALL BE USED IN ALL AREAS WHERE EXISTING FLEXIBLE-BASE PAVEMENT HAS BEEN REMOVED.

1 1/2" ID-2 BITUMINOUS WEARING COURSE, PENN DOT SECT. 420

BITUMINOUS BINDER TO BE REPLACED TO PRE-EXCAVATION THICKNESS

6" No. 2A SUBBASE, PENN DOT SECT. 350

BOROUGH OF AMBRIDGE

**MILLING & REPLACEMENT
OF BITUMINOUS OVERLAY**

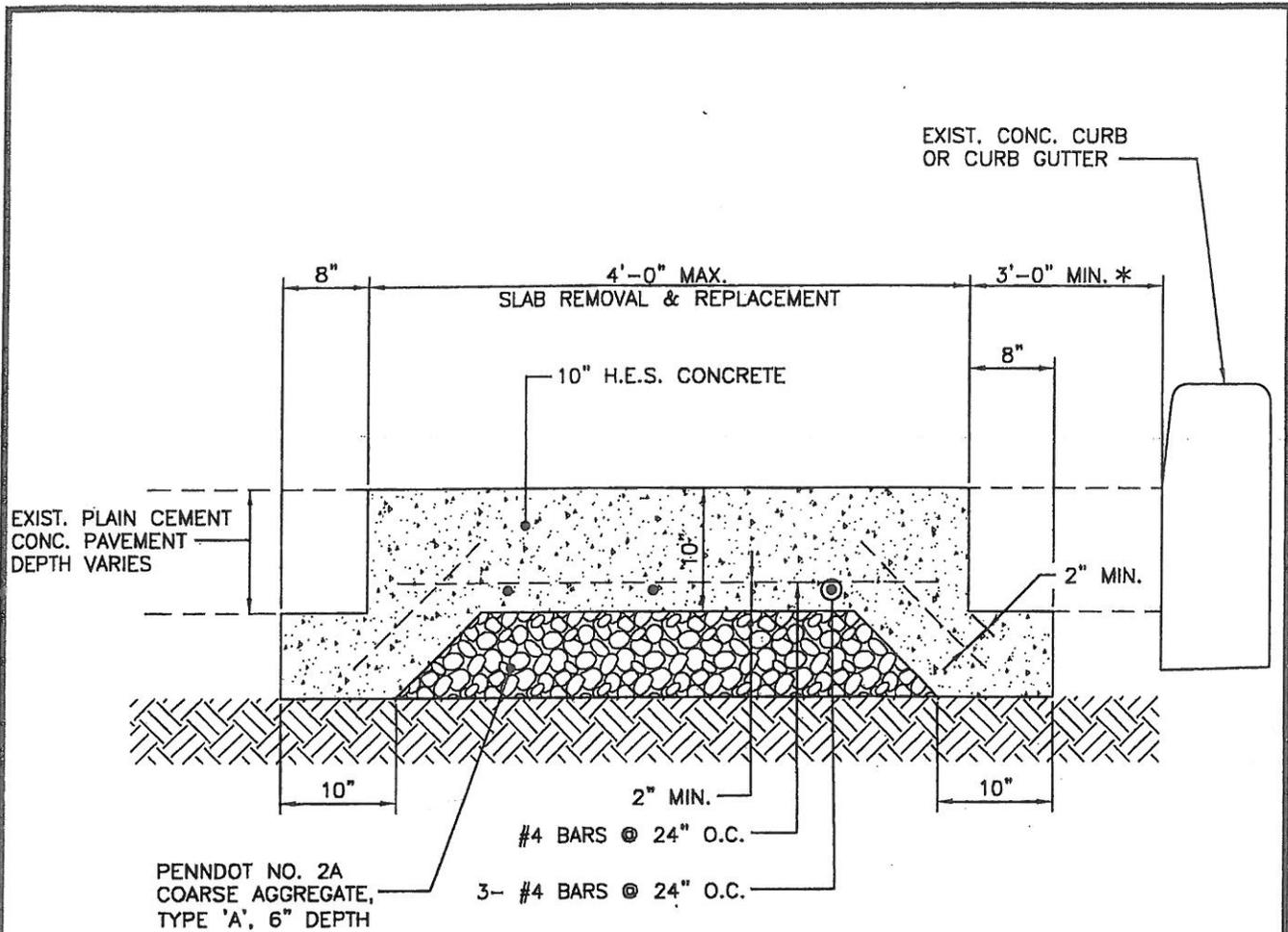
NIRA Consulting Engineers, Inc.

DR. E.E.B.

DATE: MARCH, 2004

APPR: F.E.L.

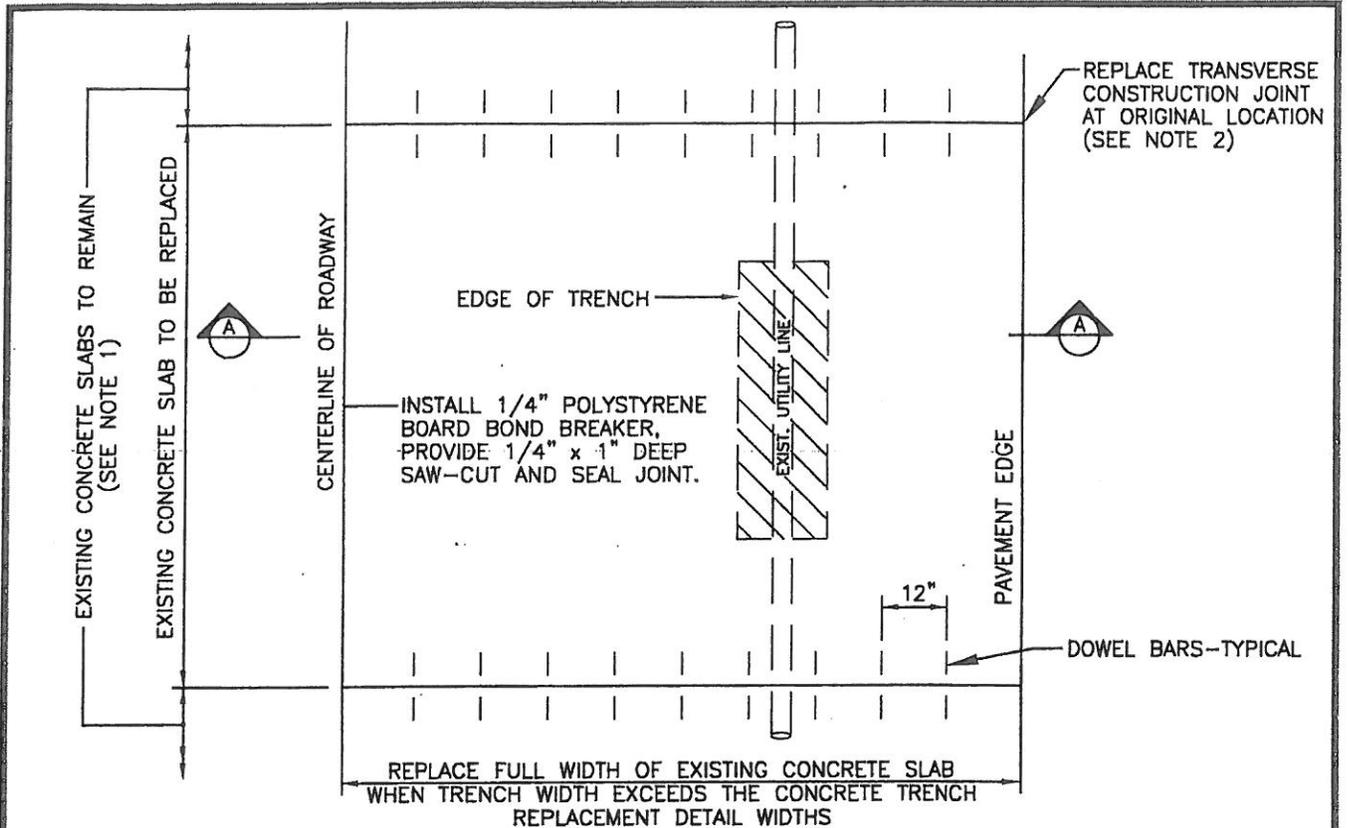
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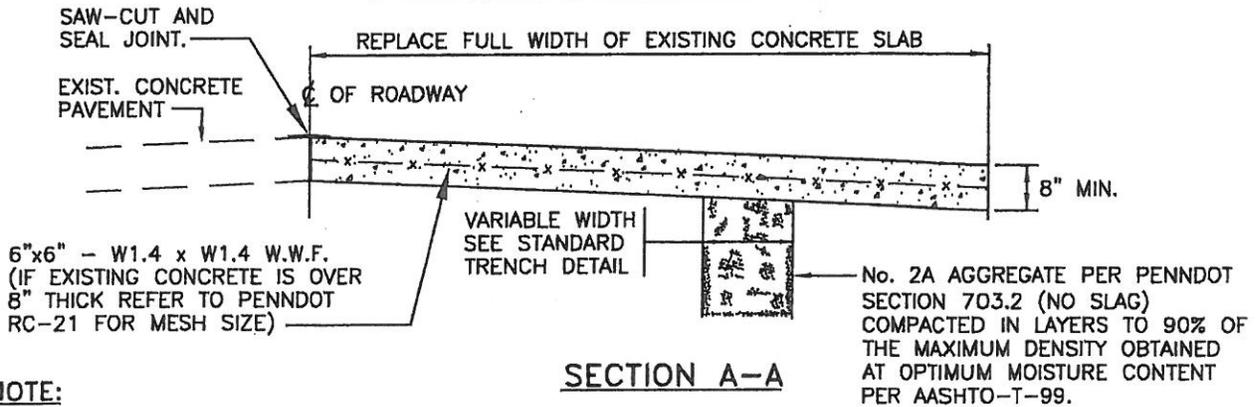
CONCRETE TRENCH REPLACEMENT DETAIL

NOTE:
 WHEN EDGE OF PROPOSED CONCRETE TRENCH PAVING IS WITHIN THREE FEET (3') OF ANY EXIST. LONGITUDINAL JOINT OR CURB, THE EXISTING CONCRETE PAVEMENT MUST BE REMOVED AND REPLACED TO THE EXISTING CENTERLINE JOINT OR CURB

| | |
|------------------------------------|-------------------|
| BOROUGH OF AMBRIDGE | |
| CONCRETE TRENCH REPLACEMENT DETAIL | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: MARCH, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-12 |



PLAN - PAVEMENT RESTORATION



SECTION A-A

NOTE:

1. IF EXCAVATION EXTENDS INTO OR IF THE APPLICANTS OPERATIONS CAUSE DAMAGE TO AN ADJACENT SLAB THE FULL WIDTH OF THE SLAB SHALL BE REPLACED.
2. TRANSVERSE JOINTS MAY BE RELOCATED WHEN LESS THAN ONE-HALF OF THE LENGTH OF A SLAB IS AFFECTED BY THE OPENING. IN NO CASE SHALL A RELOCATED TRANSVERSE JOINT RESULT IN A SLAB LENGTH LESS THAN 6 FEET.
3. WHEN MORE THAN ONE SLAB LENGTH IS REPLACED THE NEW TRANSVERSE JOINTS SHALL CONFORM WITH PENNDOT RC-20 (TYPE E) WHERE REPLACEMENT SLABS ABUT EXISTING SLABS, IN THE SAME LANE, THE TRANSVERSE JOINTS SHALL CONFORM TO THE PATCHING JOINT DETAILS 'A' AND 'B' PER PENNDOT RC-26, SHEET 1 OF 5.

 8" MINIMUM "AA" CEMENT CONCRETE OR MATCH EXISTING THICKNESS

 NO. 2A AGGREGATE PER PENNDOT SECTION 703.2 (NO SLAG)

BOROUGH OF AMBRIDGE

CONCRETE PAVEMENT RESTORATION

NIRA Consulting Engineers, Inc.

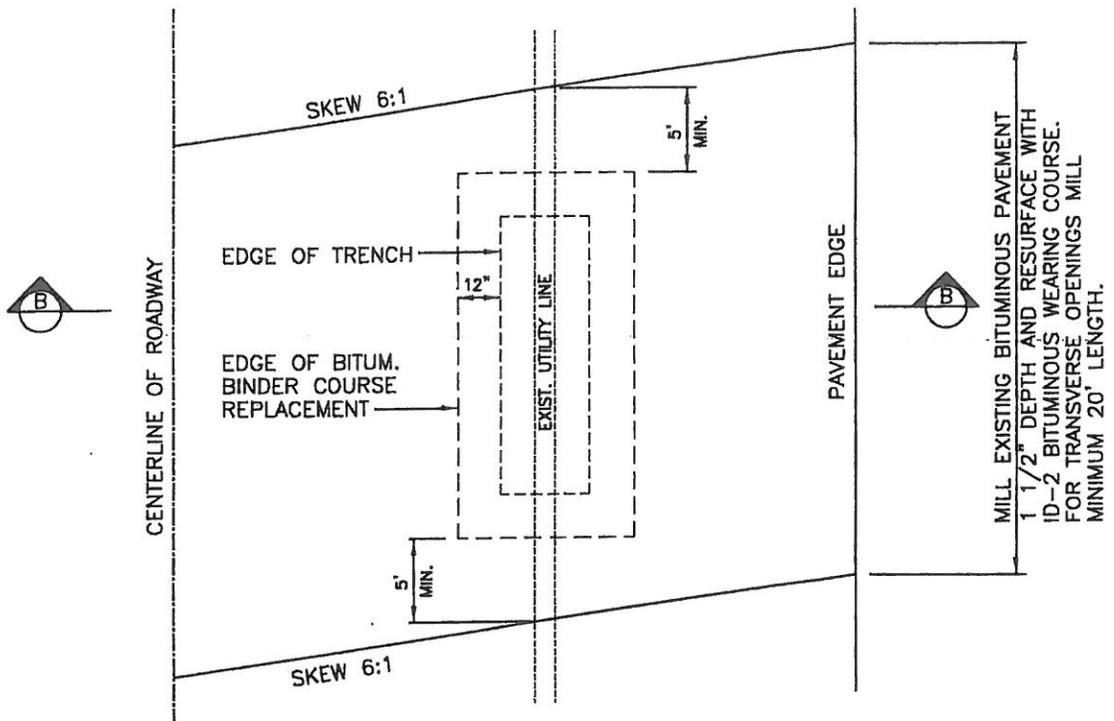
DR. E.E.B.

DATE: MARCH, 2004

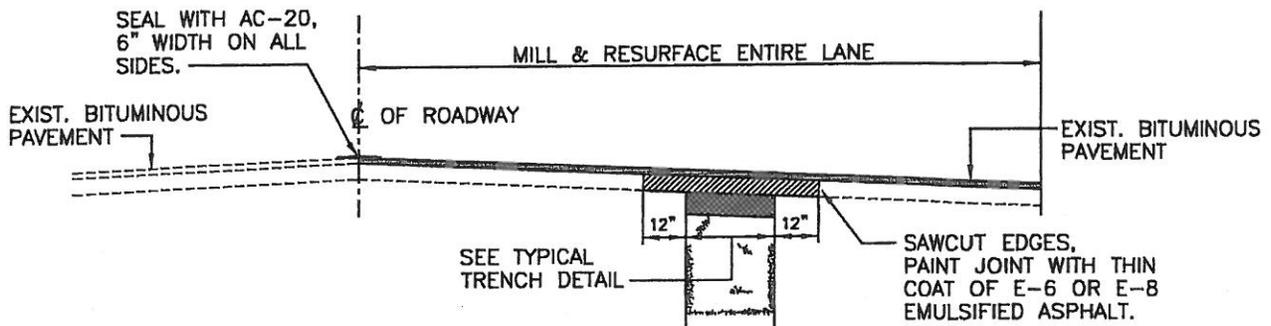
APPR: F.E.L.

DWG FILE: BASD-13

(APPLICABLE ONLY TO ROADS RESURFACED IN THE LAST FIVE (5) YEARS.)



PLAN - PAVEMENT RESTORATION DETAIL 'B'



SECTION B-B

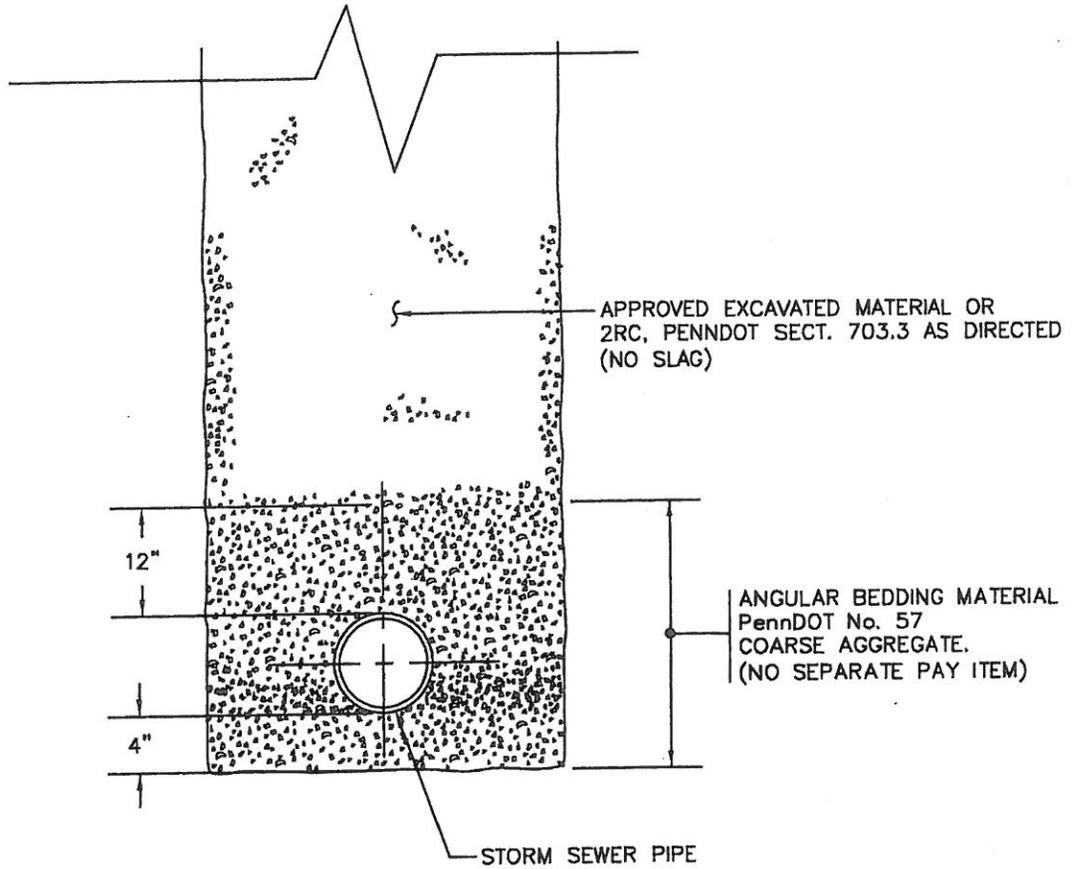
NOTE:

1. 2" MINIMUM BITUMINOUS COLD PATCH (TEMPORARY SURFACE) REQUIRED IN TRENCH AREA PRIOR TO FINAL SURFACING.
2. IF UTILITY OPENING EXTENDS INTO OR INVOLVES BOTH LANES THE ENTIRE CARTWAY SHALL BE MILLED AND RESURFACED.
3. THE MINIMUM LENGTH OF THE MILLED AND RESURFACED AREA SHALL BE 20 FEET.

-  1 1/2" ID-2 BITUMINOUS WEARING COURSE, PENNDOT SECT. 420
-  5" BITUMINOUS CONCRETE BASE COURSE, PENNDOT SECT. 305
-  6" No. 2A SUBBASE, PENNDOT SECT. 350

| | |
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| BOROUGH OF AMBRIDGE | |
| STANDARD BITUMINOUS PAVEMENT REPLACEMENT DETAIL | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: MARCH, 2004 |
| APPR: F.E.L. | DWG FILE: BASD-14 |

SEE APPROPRIATE DETAIL FOR
VARIOUS SURFACE RESTORATION.



NOTES:

1. ALL BACKFILL SHALL BE COMPACTED IN 6" LAYERS, MECHANICALLY TAMPED.

BOROUGH OF AMBRIDGE

STANDARD TRENCH DETAIL

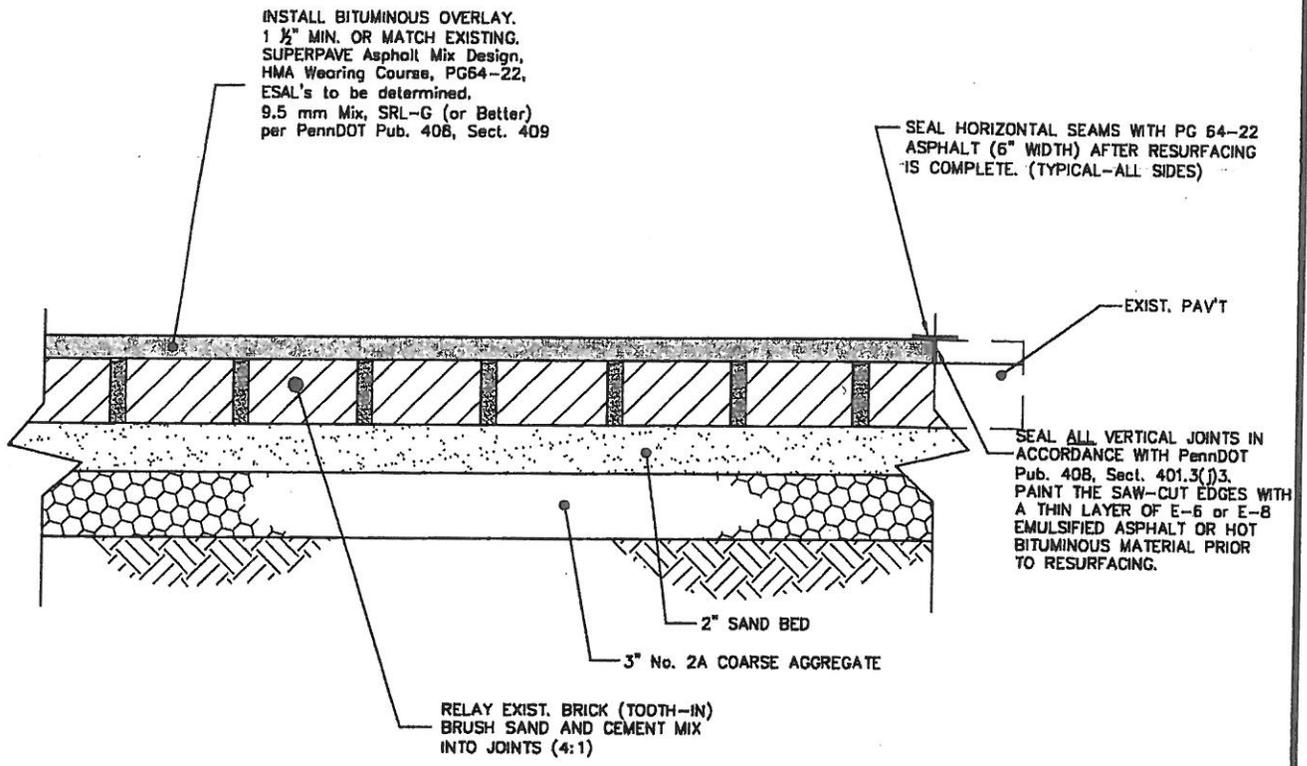
NIRA Consulting Engineers, Inc.

DR. CPS

DATE: FEB, 2008

APPR: F.E.L.

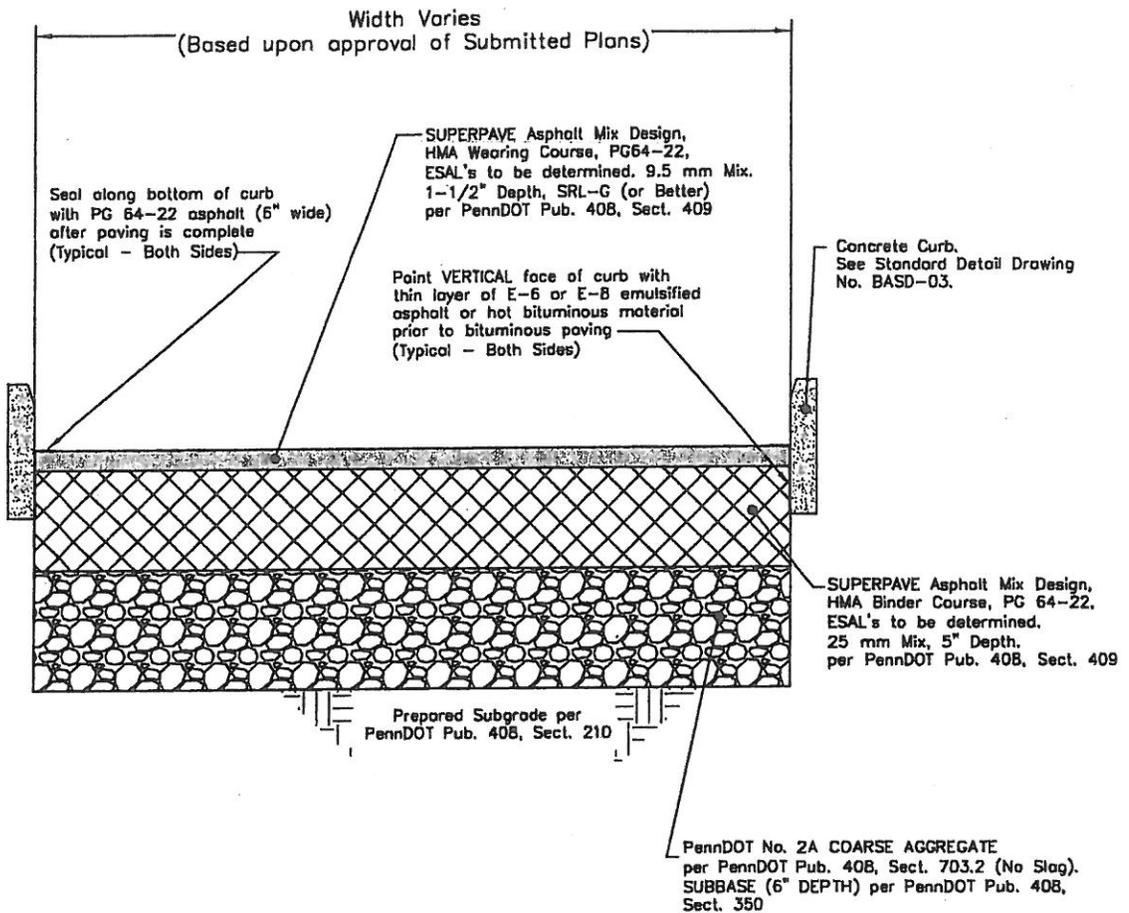
DWG FILE: BASD-16



NOTES

1. IF BINDER COURSE OVERLAY IS PRESENT, REPLACE WITH 2 1/2" MIN. (OR MATCH EXISTING) OF SUPERPAVE 19mm HMA.
2. MULTIPLE LONGITUDINAL TRENCHES WITH LESS THAN 6'-0" FINISHED SEPARATION BETWEEN EDGES OF TRENCH RESTORATION WILL REQUIRE MILLING AND RESURFACING, AS SHOWN ON BASD-09.
3. WHEN THE EDGE OF TRENCH RESTORATION IS WITHIN 1.5' FROM THE FACE OF CURB OR ROADWAY EDGE OF THE CURB GUTTER, REMOVE THE EXISTING BITUMINOUS OVERLAY AND BRICK BASE COURSES AND REPLACE SIMULTANEOUS WITH TRENCH COURSES.
4. WHEN THE EDGE OF TRENCH RESTORATION IS WITHIN 3' FROM THE FACE OF CURB OR ROADWAY EDGE OF THE CURB GUTTER, MILL OFF THE EXISTING WEARING COURSE AND REPLACE SIMULTANEOUS WITH THE TRENCH BITUMINOUS WEARING COURSE.
5. NOTES 1, 2, 3, & 4 ALSO APPLY TO BITUMINOUS COURSES OVER CONCRETE ROADWAYS. SEE BASD-12 FOR CONCRETE ROADWAYS.

| | |
|---|---------------------|
| BOROUGH OF AMBRIDGE | |
| BITUMINOUS OVER BRICK PAVEMENT RESTORATION | |
| NIRA Consulting Engineers, Inc. | |
| DR. E.E.B. | DATE: DECEMBER 2009 |
| APPR: F.E.L. | DWG FILE: BASD-17 |



BOROUGH OF AMBRIDGE

BITUMINOUS PAVEMENT
FOR NEW ROADWAYS

NIRA Consulting Engineers, Inc.

DR. CPS

DATE: OCTOBER 2010

APPR: F.E.L.

DWG FILE: BASD-18