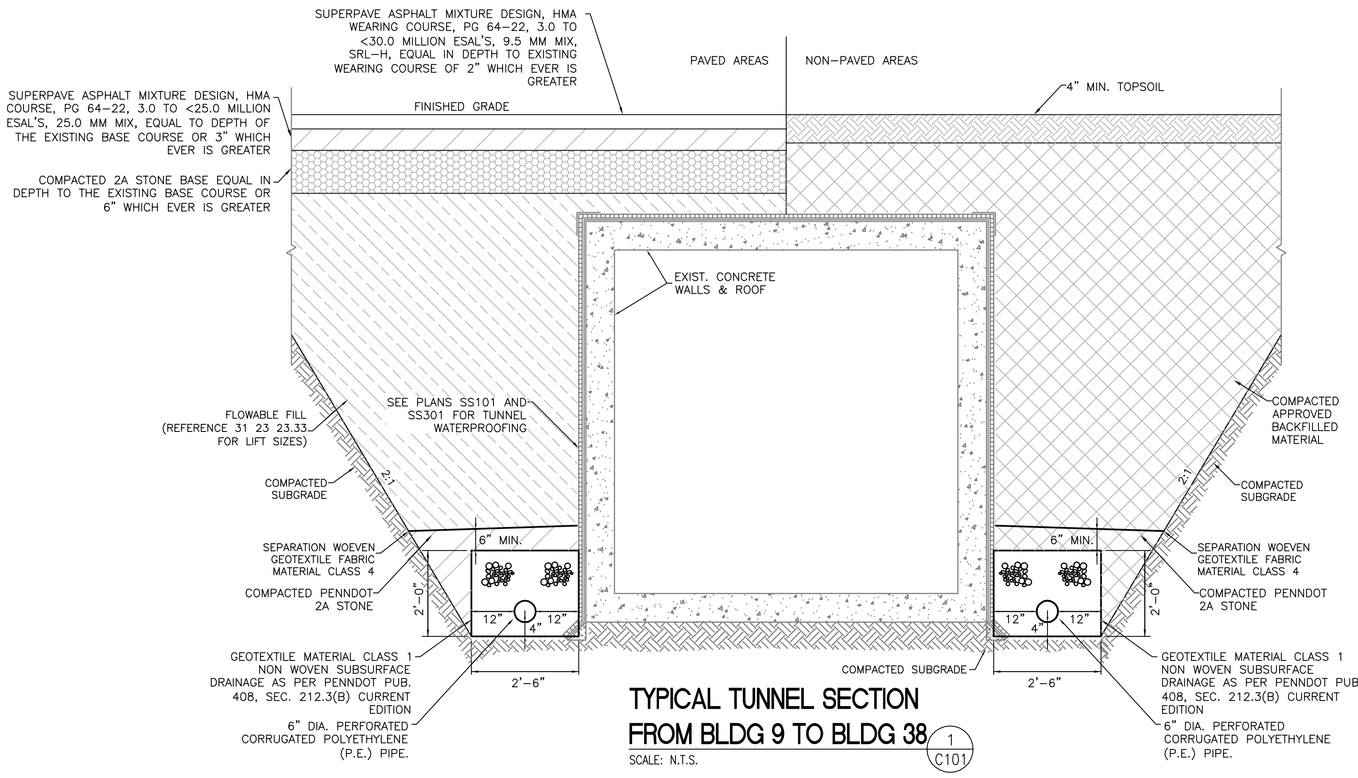
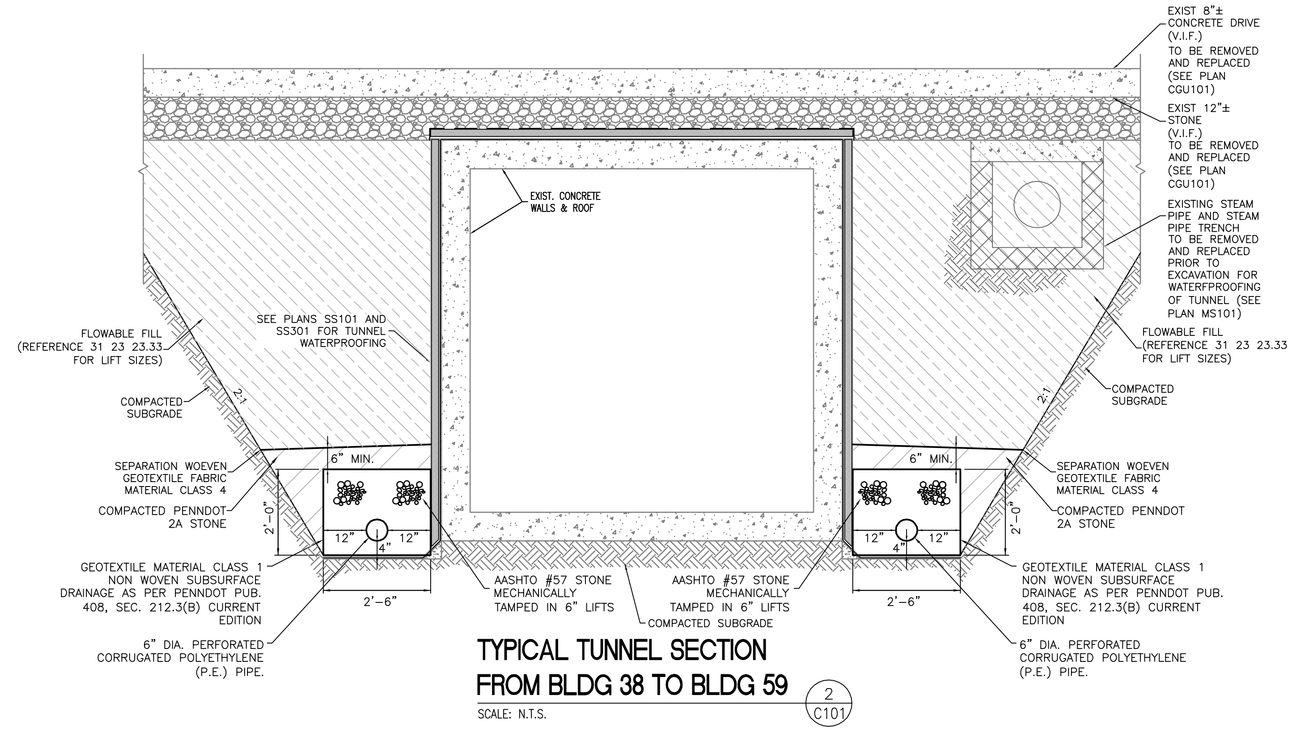


TYPICAL TUNNEL SECTION FROM BLDG 9 TO BLDG 38

1 / C101

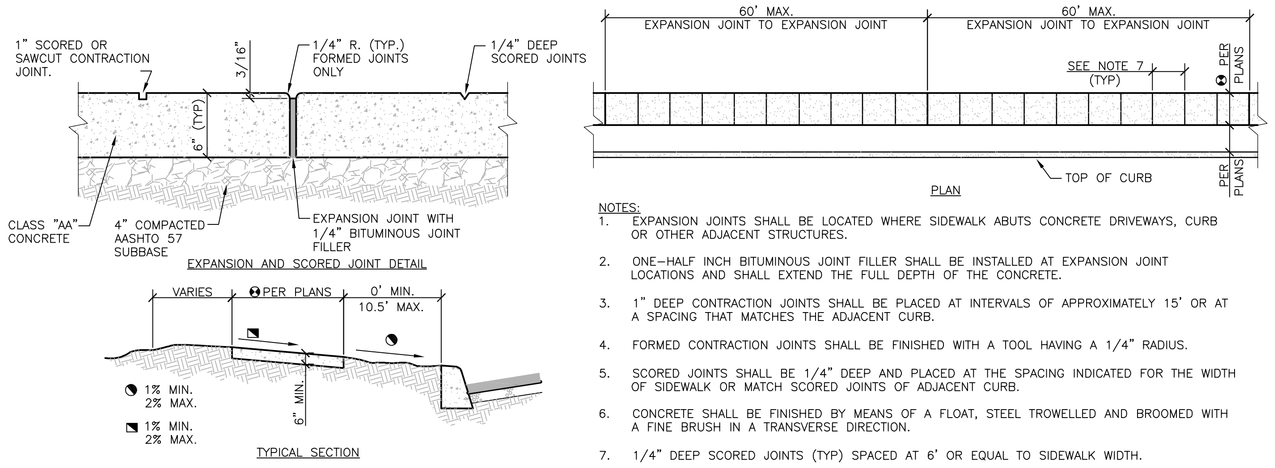
SCALE: N.T.S.



TYPICAL TUNNEL SECTION FROM BLDG 38 TO BLDG 59

2 / C101

SCALE: N.T.S.



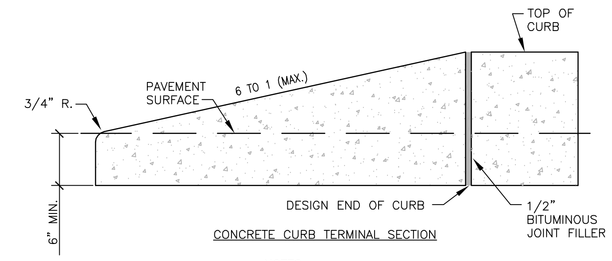
NOTES:

1. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
2. ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
3. 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
4. FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" RADIUS.
5. SCORED JOINTS SHALL BE 1/4" DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
6. CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
7. 1/4" DEEP SCORED JOINTS (TYP) SPACED AT 6' OR EQUAL TO SIDEWALK WIDTH.

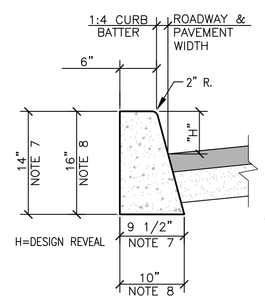
CONCRETE SIDEWALK

3 / C101

SCALE: N.T.S.



CONCRETE CURB TERMINAL SECTION



CONCRETE VERTICAL CURB

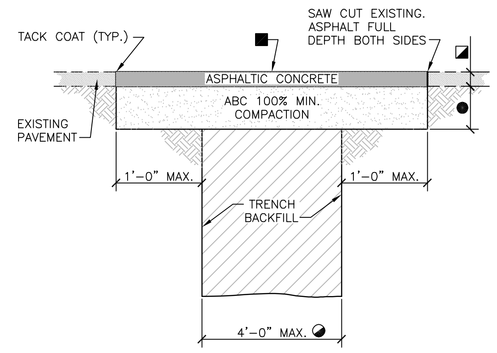
NOTES:

1. ALL CONCRETE CURBS AND TRANSITIONS, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI.
2. MAXIMUM SPACING ON SCORED JOINTS SHALL BE 15'.
3. 1/2" THICK EXPANSION JOINTS SHALL BE LOCATED AT TANGENT POINTS IN CURB RETURNS, TRANSITIONS, AND AT A MAXIMUM OF 60' INTERVALS. EXPANSION MATERIAL SHALL ALSO BE PLACED BETWEEN CURBS AND ADJACENT STRUCTURES, SIDEWALKS, DRIVEWAYS AND CURB ACCESS RAMPS. THE 1/2" JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
4. CONCRETE SHALL BE FINISHED WITH A STEEL TROWEL FOLLOWED BY BRUSHING WITH A FINE BRUSH ALONG THE LENGTH OF THE CURB OR CURB AND GUTTER.
5. SINGLE CURB MAY BE CONSTRUCTED BY THE USE OF FORMS OR MAY BE SLIP FORMED.
6. ALL EXPOSED EDGES AND HAND TOOLED JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" RADIUS UNLESS A LARGER RADIUS IS INDICATED BY THE APPLICABLE STANDARD DETAIL OR PROJECT PLANS.
7. FOR REVEALS OF 6" TO LESS THAN 8".
8. FOR REVEALS OF 8" TO 10".

CONCRETE CURB AND TERMINAL SECTION

4 / C101

SCALE: N.T.S.



- ◒ FOR TRENCH WIDTHS EXCEEDING 4' REFER TO VA STANDARD DETAIL 32 12 16-02 "TYPE 2 UTILITY TRENCH PATCH". FOR TRENCH WHERE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT EXISTS, REFER TO 32 12 16-03 "TYPE 3 UTILITY TRENCH PATCH".
- ◪ 4" MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER.
- ■ BITUMINOUS SURFACE TREATMENT (CHIPSEAL) REQUIRED ONLY FOR LONGITUDINAL TRENCHES WITH WIDTHS GREATER THAN 6'.
- ● 4" MINIMUM ABC OR THICKNESS OF EXISTING GRANULAR BASE COURSE MATERIALS (E.G. ABC & SELECT MATERIAL) WHICHEVER IS GREATER.

REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

TYPE 1 UTILITY TRENCH PATCH

5 / C101

SCALE: N.T.S.

Revisions:	Date

CONSULTANTS:

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BIA# 1045612.000

Drawing Title: DETAILS

Project Title: REPAIR STRUCTURAL TUNNEL JOINTS

Location: COATESVILLE PA

Date: 07/17/2013 | Checked: REK / RKF | Drawn: RPK

Project Number: 542-13-104

Building Number: 9 - 38 - 59

Drawing Number: C101

Dwg. 16 of 31

Office of Construction and Facilities Management

Department of Veterans Affairs

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one eighth inch = one foot one quarter inch = one foot three eighths inch = one foot one half inch = one foot three quarters inch = one foot one inch = one foot one and one half inches = one foot three inches = one foot

VA FORM 08-6231