

REVISION DATE 05/02/19

Sample Plan

CONCRETE PAVING PLAN ----- NARRATIVE

References:

- Design Scene: Chapter 10 - Paving
- Road Design Manual: Chapters 7-1, 7-2, 7-4, and 9-2
- Technical Memorandum: 17-09-T-02 Rumble Strips and Stripes on Rural Trunk Highways
- Standard Plates:
 - 1070 Supplemental Pavement Reinforcement
 - 1103 Typical Dowel Bar Assembly
 - 1150 Concrete Header Joints
 - 1210 Concrete Pavement Adjacent to Railway Crossing
 - 7000 Integrant Curbs Design B, Design V and Design D
 - 7112 Installation and Reinforcement of Catch Basin & Manhole Castings

Standard Plans:

- 5-297.209 Acceleration and Deceleration Lane (Rural) Rigid Design Mainline Jointed Pavement 15 Ft. Panel Length
- 5-297.210 Acceleration and Deceleration Lane (Urban) Rigid Design Mainline Jointed Pavement 15 Ft. Panel Length
- 5-297.217 Concrete Mainline Pavement 15.0 Ft. Panel Length (1 of 2)
Concrete Mainline Pavement 15 Ft. Panel Length Urban or Concrete Shoulder (2 of 2)
- 5-297.219 Concrete Ramp Pavement 15 Ft. Panel Length
- 5-297.221 Pavement Joints Contraction (Design C) and Expansion (Design E) (1 of 2)
Pavement Joints Longitudinal (Design L) (2 of 2)
- 5-297.222 Bridge Approach Panel Layout (Type F Concrete Barrier on Wingwall) (1 of 2)
Bridge Approach Panel Layout (Type S Concrete Barrier on Wingwall) (2 of 2)
- 5-297.223 Bridge Approach Panel Reinforcement Details (Type F Concrete Barrier on Wingwall) (1 of 2)
Bridge Approach Panel Reinforcement Details (Type S Concrete Barrier on Wingwall) (2 of 2)
- 5-297.224 Bridge Approach Panel Layout (Type F Concrete Barrier on Approach Panel) (1 of 2)
Bridge Approach Panel Layout (Type S Concrete Barrier on Approach Panel) (2 of 2)
- 5-297.225 Bridge Approach Panel Reinforcement Details (Type F Concrete Barrier on Approach Panel) (1 of 2)
Bridge Approach Panel Reinforcement Details (Type S Concrete Barrier on Approach Panel) (2 of 2)
- 5-297.227 Bridge Approach Panel Miscellaneous Details (Type F Concrete Barrier) (1 of 2)
Bridge Approach Panel Miscellaneous Details (Type S Concrete Barrier) (2 of 2)
- 5-297.228 Bridge Approach Panel Joint Layout (Type F Concrete Barrier) (1 of 2)
Bridge Approach Panel Joint Layout (Type S Concrete Barrier) (1 of 2)
- 5-297.229 Bridge Approach Panel Joint Details
- 5-297.231 Bridge Approach Panel Drainage Details (Type F Concrete Barrier) (1 of 2)
Bridge Approach Panel Drainage Details (Type S Concrete Barrier) (2 of 2)
- 5-297.233 Bridge Abutment Approach Treatment for Abutment on Footing (2 sheets)
- 5-297.234 Bridge Abutment Approach Treatment for Integral Abutments (2 sheets)
- 5-297.235 Pavement End Anchors Under Concrete Pavement (Grades 4% or Greater)

Spec. Book: 2301 Concrete Pavement

General Information:

In the process of developing the concrete paving plans, meet and confer with the Concrete Engineer and incorporate the recommendations. This would include joint layouts, panel thickness, mainline surface finishes, etc. Check with Project Design Services Engineer, the Design Scene and Special Provisions for correct pay items.

The following construction notes are usually shown on the first plan sheet containing concrete work:
"Construction header joints shall be incidental."
"Panel layout and joint type in this plan may be changed if approved by the Engineer."

General Information cont:

Show and identify all joints and define panel dimensions if not covered in Standard Plans.

It is not necessary to show plan sheets in areas where the joint layout is consistent with the Standard Plans.

Use patterns to identify areas (supplemental reinforcement, reinforced panels over culverts, etc.). Define the patterns in a legend.

For Concrete Rehabilitation Standards, see the Concrete Office Web Site at:
<http://www.dot.state.mn.us/materials/concretepavement.html>

Sample Plan

CONCRETE PAVING PLAN ----- CHECKLIST

- ___ 1. Uniform Panel Lengths
- ___ 2. Legend
- ___ 3. Notes
- ___ 4. Supplemental Pavement Reinforcement
- ___ 5. North arrow
- ___ 6. Pavement Thickness
- ___ 7. Labels (alignments, stationing, curb and gutter, joints, roadways, lane widths, etc.)
- ___ 8. Bar Scale
- ___ 9. Drawn by: and Checked by: Initials and Engineer's signature

CONCRETE PAVING PLAN NARRATIVE AND CHECKLIST

23-OCT-2019

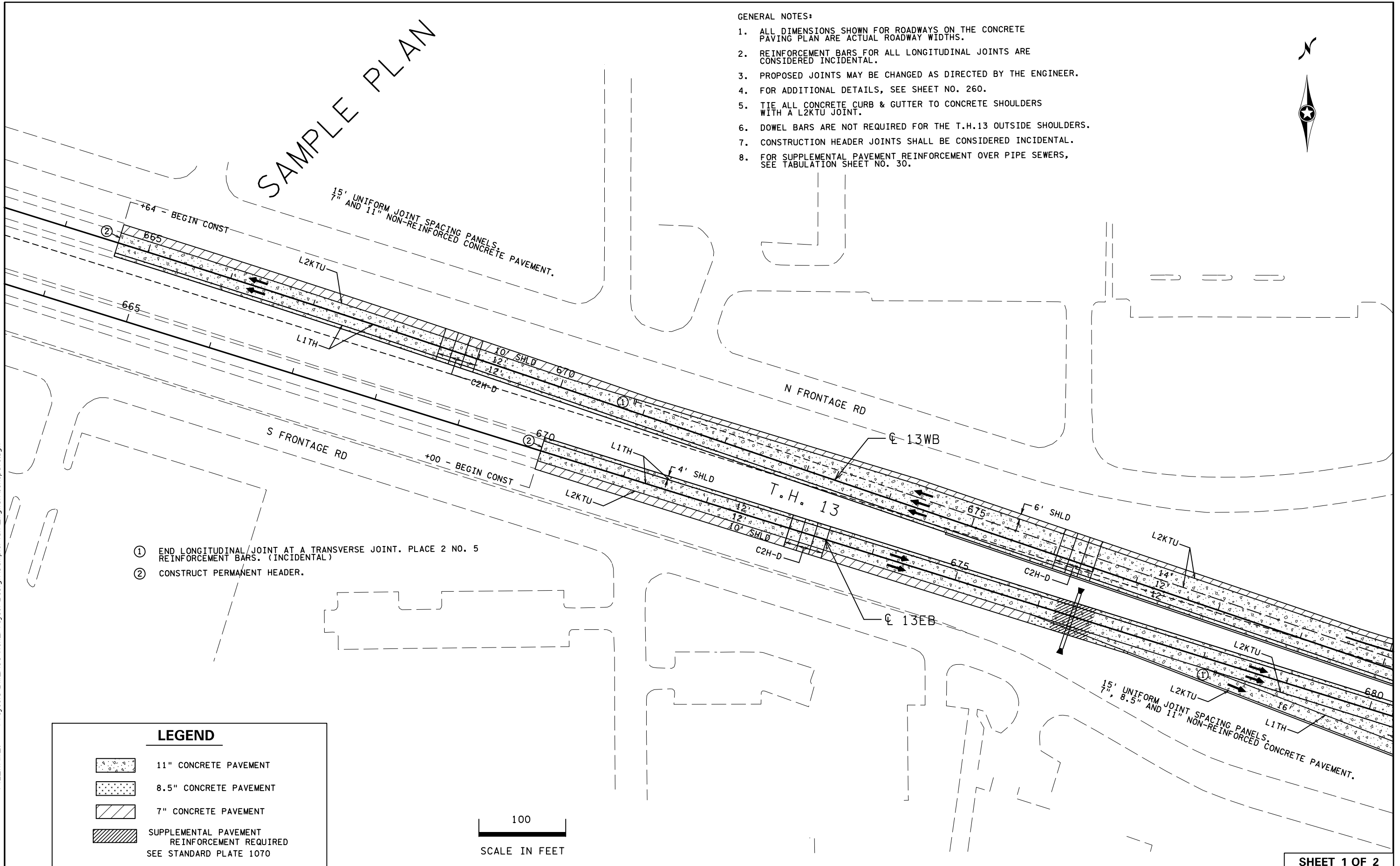
REVISION DATE 05/02/19
 PLOTTED/REVISED: 23-OCT-2019

DISTRICT #: Metro
 I/PLOT NAME: concpave
 FILENAME: Projects\DM_ROS\Win_Proj\ct\Des\gn\SamplePlan\English\concnpaved.gn

SAMPLE PLAN

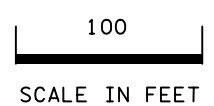
GENERAL NOTES:

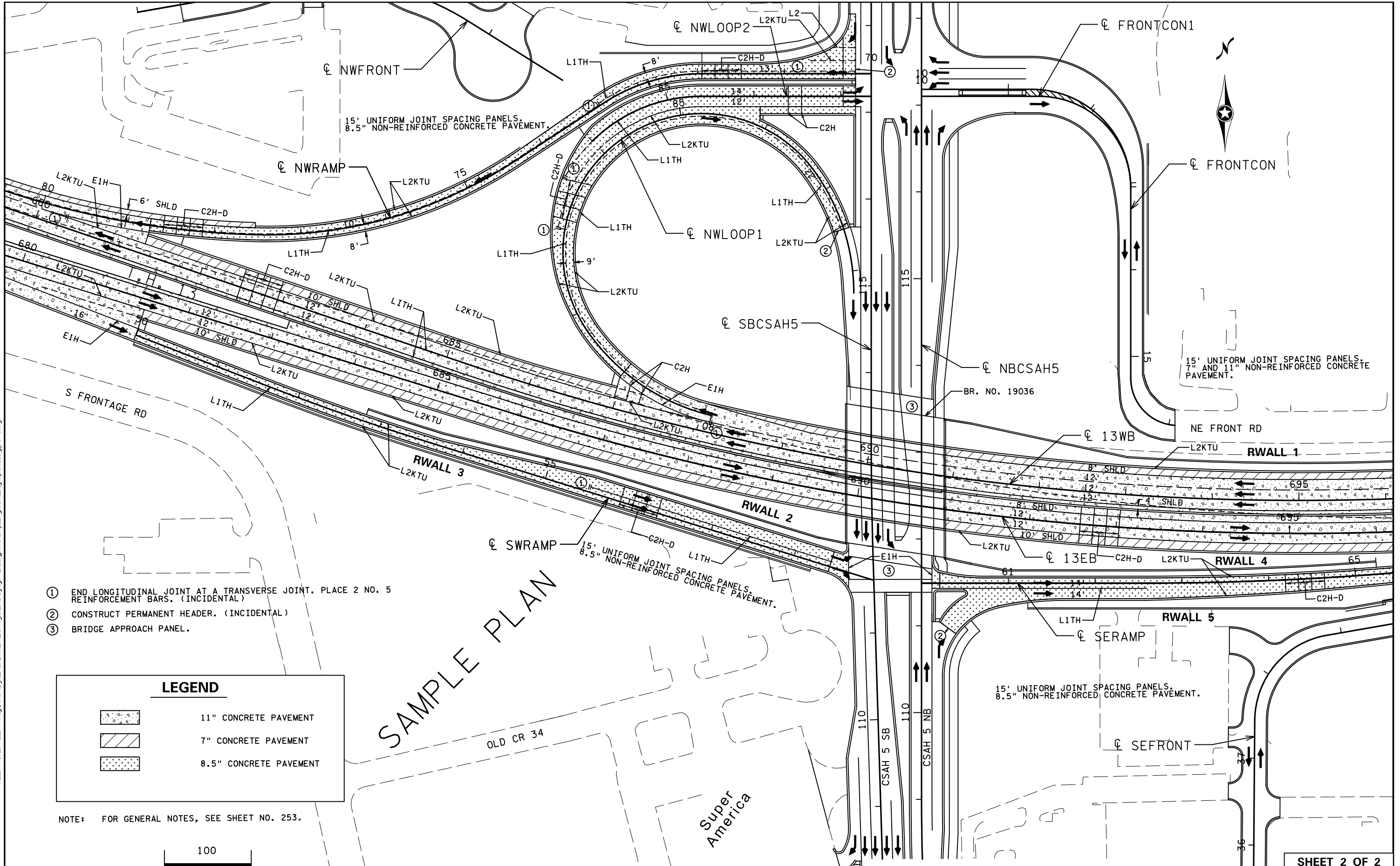
1. ALL DIMENSIONS SHOWN FOR ROADWAYS ON THE CONCRETE PAVING PLAN ARE ACTUAL ROADWAY WIDTHS.
2. REINFORCEMENT BARS FOR ALL LONGITUDINAL JOINTS ARE CONSIDERED INCIDENTAL.
3. PROPOSED JOINTS MAY BE CHANGED AS DIRECTED BY THE ENGINEER.
4. FOR ADDITIONAL DETAILS, SEE SHEET NO. 260.
5. TIE ALL CONCRETE CURB & GUTTER TO CONCRETE SHOULDERS WITH A L2KTU JOINT.
6. DOWEL BARS ARE NOT REQUIRED FOR THE T.H.13 OUTSIDE SHOULDERS.
7. CONSTRUCTION HEADER JOINTS SHALL BE CONSIDERED INCIDENTAL.
8. FOR SUPPLEMENTAL PAVEMENT REINFORCEMENT OVER PIPE SEWERS, SEE TABULATION SHEET NO. 30.



- ① END LONGITUDINAL JOINT AT A TRANSVERSE JOINT. PLACE 2 NO. 5 REINFORCEMENT BARS. (INCIDENTAL)
- ② CONSTRUCT PERMANENT HEADER.

LEGEND	
	11" CONCRETE PAVEMENT
	8.5" CONCRETE PAVEMENT
	7" CONCRETE PAVEMENT
	SUPPLEMENTAL PAVEMENT REINFORCEMENT REQUIRED SEE STANDARD PLATE 1070

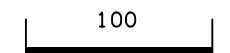




- ① END LONGITUDINAL JOINT AT A TRANSVERSE JOINT. PLACE 2 NO. 5 REINFORCEMENT BARS. (INCIDENTAL)
- ② CONSTRUCT PERMANENT HEADER. (INCIDENTAL)
- ③ BRIDGE APPROACH PANEL.

LEGEND	
	11" CONCRETE PAVEMENT
	7" CONCRETE PAVEMENT
	8.5" CONCRETE PAVEMENT

NOTE: FOR GENERAL NOTES, SEE SHEET NO. 253.



SAMPLE PLAN