

A template for a 4R mainline typical section sheet is available on the CFL website at <http://www.cflhd.gov/design/TemplateFiles/>. It is expected that this template will be revised to incorporate project-specific information.

Notes provide additional information describing the work. Avoid repeating information already covered in the SCRs.

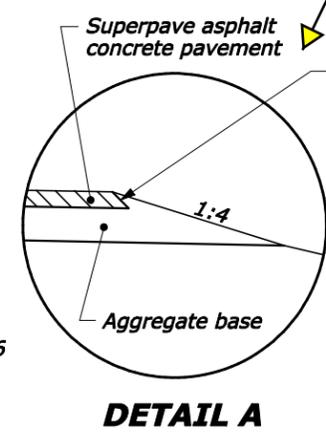
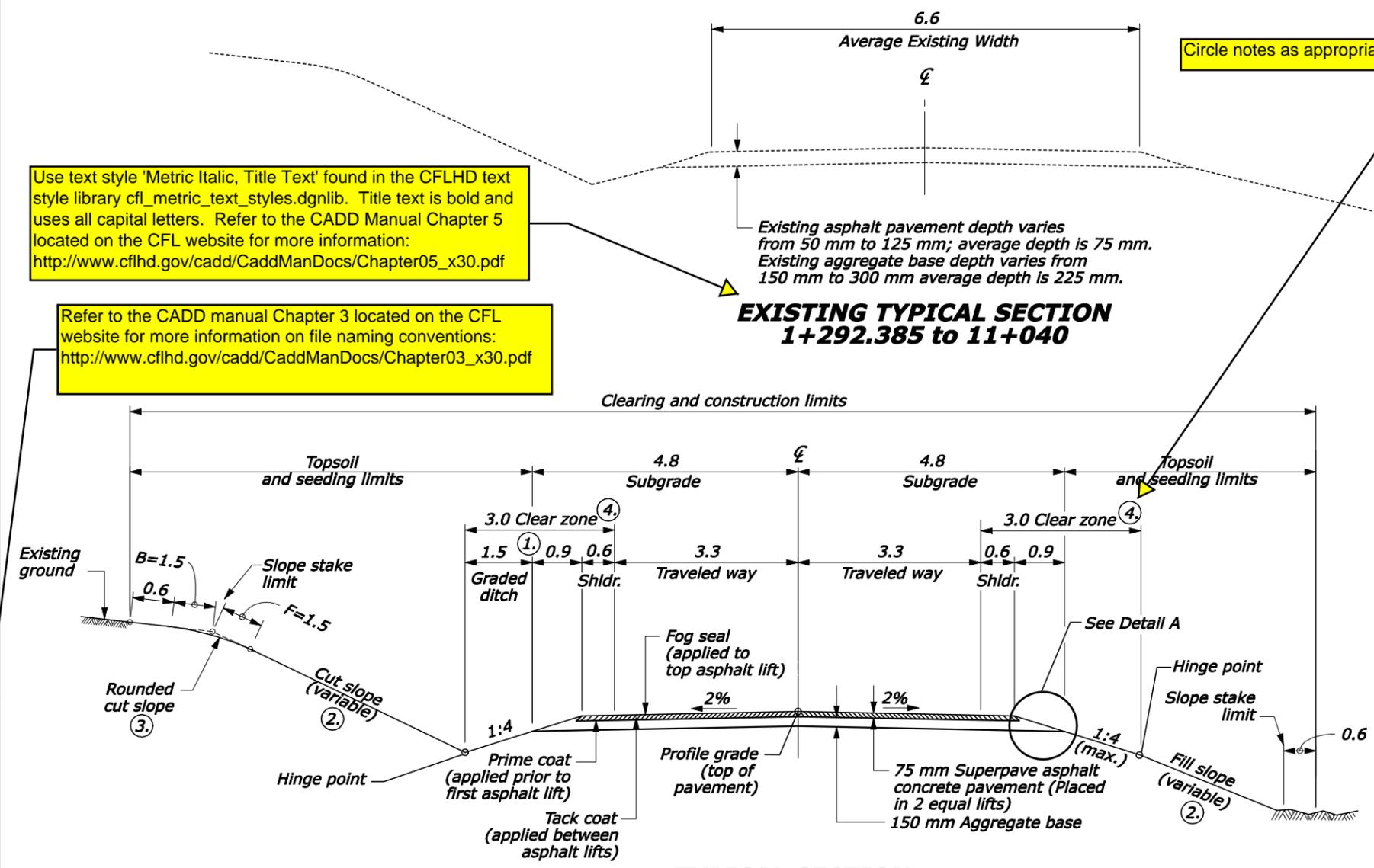
**NOTE:**

- The gradient and width of roadway ditches and the excavation and embankment slope ratios may be adjusted by the contracting officer to assure adequate drainage and stability.
- See the cross sections for cut and fill slope ratios. See the following documents for additional information:
  - Geotechnical Report CA-FX-0119-03-05 dated September 2003 (FHWA)
  - Geotechnical Report CA-FX-0119-02-04 dated August 2002 (FHWA)
  - Geotechnical Investigations for Improvements to Forest Highway 119, Butte County, California dated September 27, 2001
- Round all earth slopes and all rippable rock slopes. For cut heights less than B, reduce the B and F dimensions to the actual cut height.
- Clear zone width varies on the outside of curves according to the AASHTO Roadside Design Guide.
- Construct curve widening as shown in the table below. Apply the widening on the inside of curves throughout the superelevated sections. Transition the curve widening to coincide with the superelevation transitions.
- Dimensions without units are in meters.

Use text style 'Metric Italic, Title Text' found in the CFLHD text style library cfl\_metric\_text\_styles.dgnlib. Title text is bold and uses all capital letters. Refer to the CADD Manual Chapter 5 located on the CFL website for more information: [http://www.cflhd.gov/cadd/CaddManDocs/Chapter05\\_x30.pdf](http://www.cflhd.gov/cadd/CaddManDocs/Chapter05_x30.pdf)

Refer to the CADD manual Chapter 3 located on the CFL website for more information on file naming conventions: [http://www.cflhd.gov/cadd/CaddManDocs/Chapter03\\_x30.pdf](http://www.cflhd.gov/cadd/CaddManDocs/Chapter03_x30.pdf)

**EXISTING TYPICAL SECTION  
1+292.385 to 11+040**

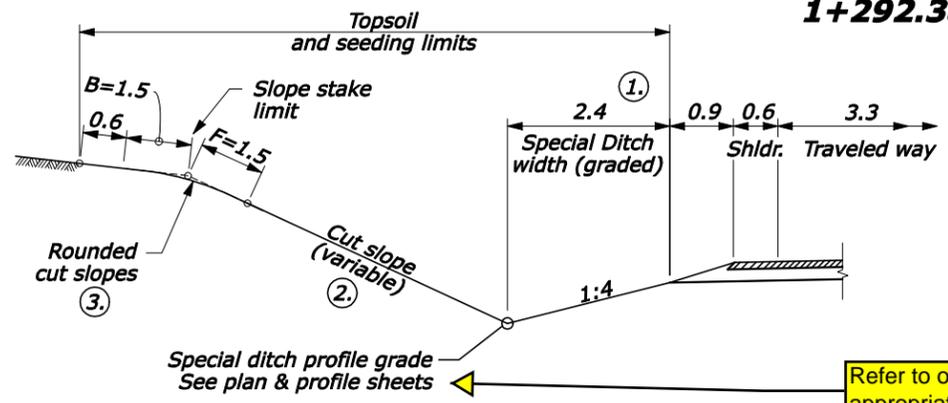


Show pavement edge detail.

**WIDENING ON CURVES**

Radius (m)	Widening (m)
Over 120	0
91 to 120	0.600
61 to 90	0.900
60 & under	1.200

**TYPICAL SECTION  
1+292.385 to 11+040**



**SPECIAL DITCH TYPICAL SECTION**

4+480 to 4+507 Lt.  
6+900 to 6+930 Lt.  
10+540 to 10+596 Rt.

Refer to other plan sheets where appropriate

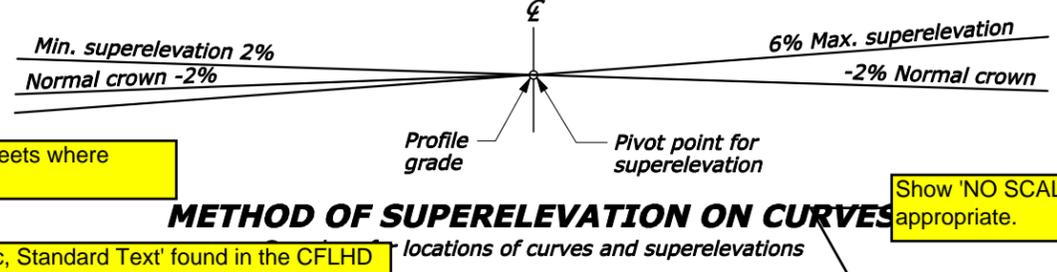
Use text style 'Metric Italic, Standard Text' found in the CFLHD text style library cfl\_metric\_text\_styles.dgnlib. Refer to the CADD Manual Chapter 5 located on the CFL website for more information: [http://www.cflhd.gov/cadd/CaddManDocs/Chapter05\\_x30.pdf](http://www.cflhd.gov/cadd/CaddManDocs/Chapter05_x30.pdf)

Show breakdown of project sections and total length. Show breakout for bridge.

**LENGTH OF PROJECT**

Station to Station	Roadway (m)	Bridge (m)
1+292.385 to 8+368.25	7075.865	
8+368.25 to 8+427.25		59
8+427.25 to 11+040	2612.75	
<b>TOTALS (m)</b>	<b>9688.615</b>	<b>59</b>
<b>TOTAL (km)</b>	<b>9.748</b>	

**METHOD OF SUPERELEVATION ON CURVES**



Show 'NO SCALE' if appropriate.

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**TYPICAL SECTIONS  
MAINLINE**

**CFL SAMPLE PLAN SHEET**

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