

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
16	ST	PROJECT NAME PROJECT NUMBER	C3	C34

Refer to the CADD manual Geopak Chapter 6 located on the CFL website for more information on drawing elements stored in COGO (including horizontal alignment and pay item elements):  
[http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter6\\_Linestyles\\_x30.pdf](http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter6_Linestyles_x30.pdf)

Refer to the CADD manual Geopak Chapter 9 located on the CFL website for more information on clipping plan/plan sheets:  
[http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter9\\_PlanProfileSheetClipping\\_x30.pdf](http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter9_PlanProfileSheetClipping_x30.pdf)

Make sure elements are placed with the proper symbology:  
 Use the GEOPAK D&C manager to draw elements where possible. For manual drafting, use the FLH\_Combined.dgnlib and select the appropriate level, using ByLevel symbology where possible. Refer to the CADD manual Chapter 9 located on the CFL website for more information:  
[http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter9\\_LevelsandSymbology\\_x30.pdf](http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter9_LevelsandSymbology_x30.pdf)

Refer to the CADD Manual Chapter 8 located on the CFL website for more information on cell libraries:  
[http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter8\\_CellLibraries\\_x30.pdf](http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter8_CellLibraries_x30.pdf)

Show superelevation for each curve. See the following website for more information on storing and placing the e value under the curve data drawn by the D&C manager:  
[http://www.cflhd.gov/resources/CADD/documents/CRAM\\_31\\_Labeling\\_Super\\_rateson\\_Curves.pdf](http://www.cflhd.gov/resources/CADD/documents/CRAM_31_Labeling_Super_rateson_Curves.pdf)

Specify how an item of work is to be paid for if it is unclear.

Note items to be salvaged.

Salvage existing boulder. Stockpile at the USFS Maintenance Yard. Payment will be made under Item 62301-0000 General Labor.

Show edge of proposed roadway.

Show proposed culverts in plan view with appropriate lengths left and right of centerline, skews, and end treatment

Show r/w lines.

Show edge of existing roadway.

Show proposed walls in plan view with appropriate linestyle.

Show control points.

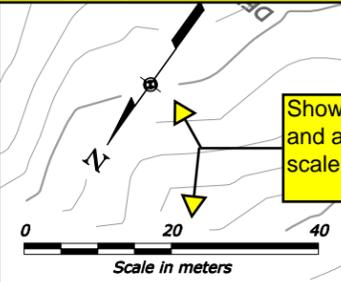
Transition paved ditch from 2.0 m width to 1.0 m width over 10 m length

Show both slope stake and clearing limits. Use GEOPAK "Limits of Construction" to get slope stake limits. Refer to the CFL CADD Help page at [http://www.cflhd.gov/resources/CADD/documents/CRAM\\_32\\_Clearing\\_Limits.pdf](http://www.cflhd.gov/resources/CADD/documents/CRAM_32_Clearing_Limits.pdf) Use the 3PC "Draw Clearing Limits in Plan View" in the D&C Manager.

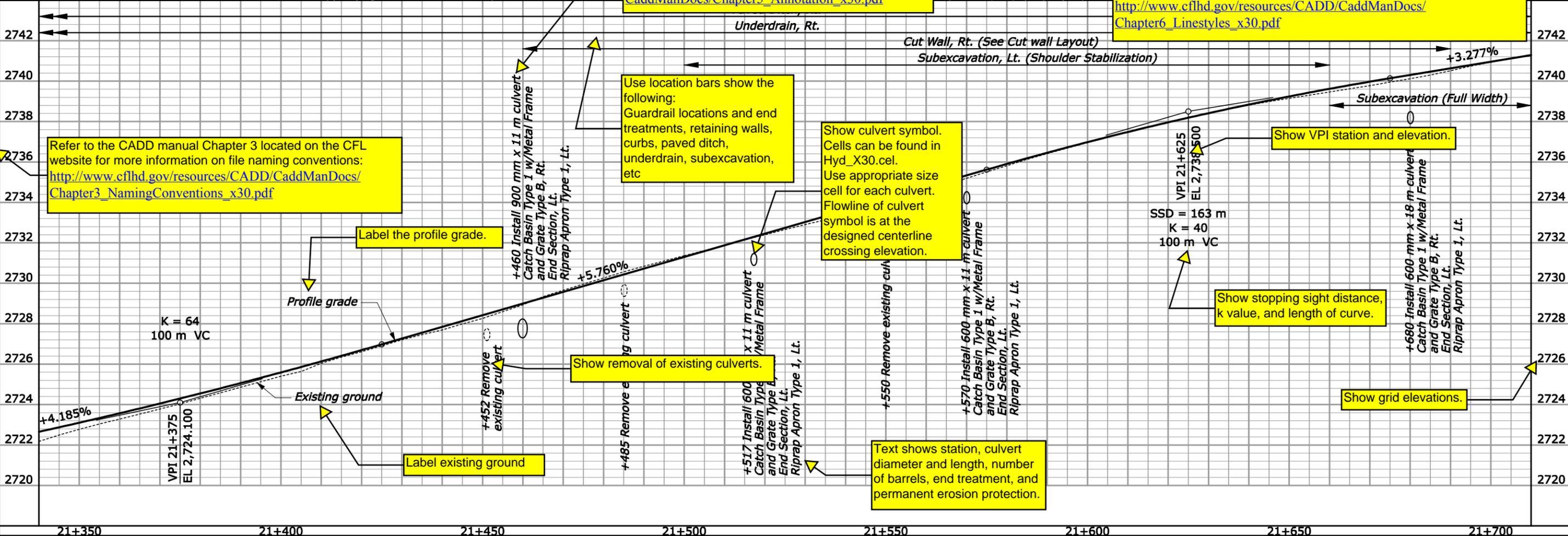
Use text style 'Metric Italic, Standard Text' found in the CFLHD text style library cfl\_metric\_text\_styles.dgnlib. Refer to the CADD Manual Chapter 5 located on the CFL website for more information:  
[http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter5\\_Annotation\\_x30.pdf](http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter5_Annotation_x30.pdf)

This is an example of a commonly used CFL custom linestyle. For CFL designers, the custom linestyle resource files are automatically read by MicroStation (providing the machine is properly configured.) For consultants, CFLHD linestyle resource files are available through the V8\_Resource.zip download located on the CFL website:  
<http://www.cflhd.gov/resources/CADD/downloads.cfm>  
 Refer to the CADD manual Chapter 6 for more information on linestyles:  
[http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter6\\_Linestyles\\_x30.pdf](http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter6_Linestyles_x30.pdf)

**CFL SAMPLE PLAN SHEET**



Show north arrow and appropriate scale.



Refer to the CADD manual Chapter 3 located on the CFL website for more information on file naming conventions:  
[http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter3\\_NamingConventions\\_x30.pdf](http://www.cflhd.gov/resources/CADD/CaddManDocs/Chapter3_NamingConventions_x30.pdf)

Use location bars show the following: Guardrail locations and end treatments, retaining walls, curbs, paved ditch, underdrain, subexcavation, etc

Show culvert symbol. Cells can be found in Hyd\_X30.cel. Use appropriate size cell for each culvert. Flowline of culvert symbol is at the designed centerline crossing elevation.

Show VPI station and elevation.

Show stopping sight distance, k value, and length of curve.

Show grid elevations.

Label the profile grade.

Label existing ground

Show removal of existing culverts.

Text shows station, culvert diameter and length, number of barrels, end treatment, and permanent erosion protection.

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