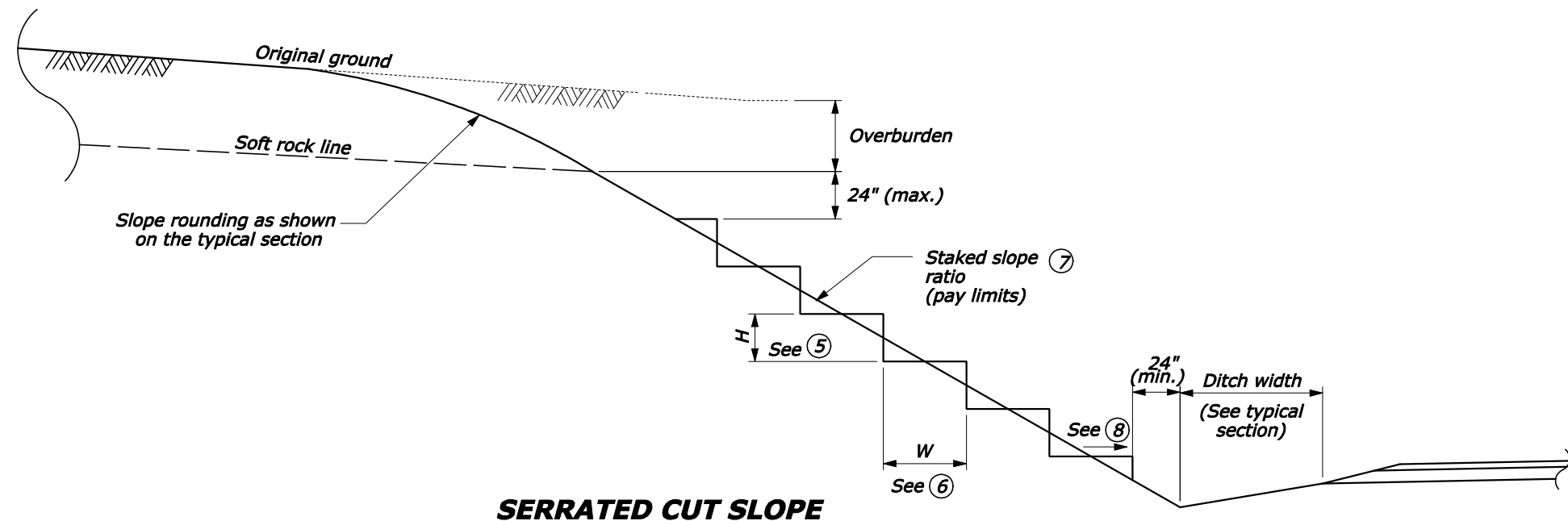


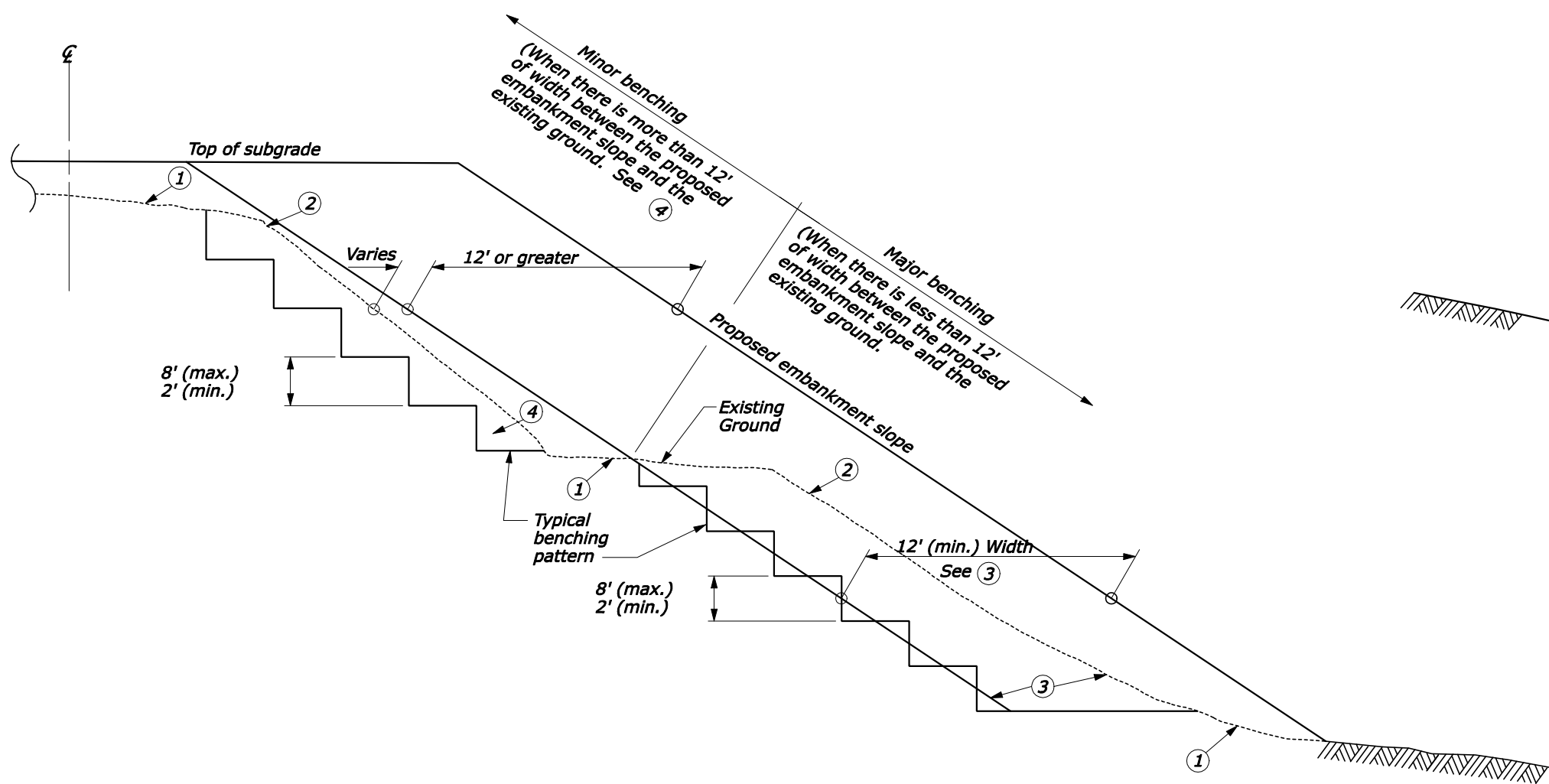
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS



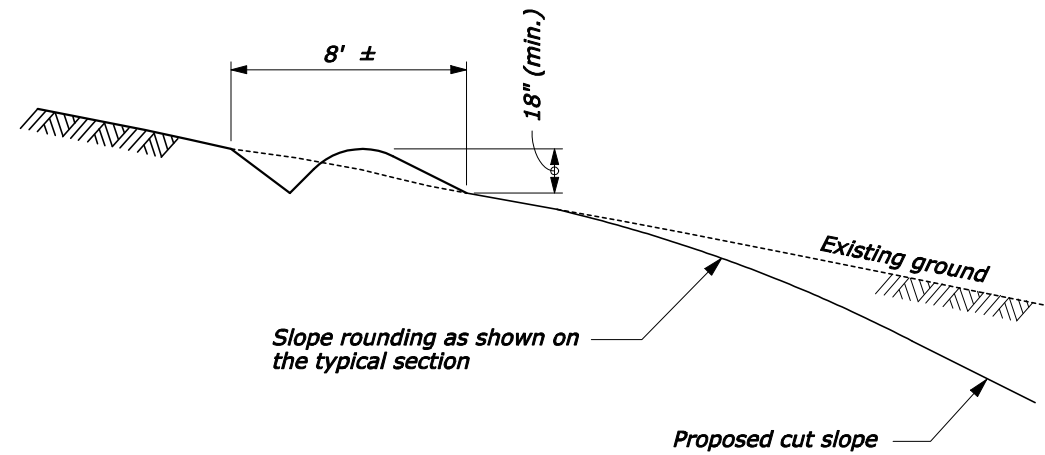
**SERRATED CUT SLOPE**

**NOTE:**

- ① Benching is not required for ground sloped at 1:3 or flatter.
  - ② Remove topsoil and surface debris.
  - ③ Bench into existing slope as necessary to meet minimum bench height requirements shown on the detail and a minimum bench width of 12'.
  - ④ Bench into existing slope as necessary to meet minimum bench height requirements shown on the detail.
  - ⑤ H = Height of step variable (24" normal).
  - ⑥ W = Width of step = (height of step) x (staked slope ratio).
  - ⑦ Slopes 1:2 or flatter will not be serrated.
  - ⑧ Outslope all benches to drain.
1. Contractor is responsible for the slope stability of temporary cuts.
  2. Furrow ditches may be used at locations other than at the top of cuts, but will be of the same general shape and dimensions.
  3. Embankment benching will not be measured for payment.
  4. Slope serrating will not be measured for payment.



**EMBANKMENT BENCHING**



**FURROW DITCH**

NO SCALE

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

U.S. CUSTOMARY DETAIL

**EMBANKMENT BENCHING,  
 SERRATED CUT SLOPE, AND  
 FURROW DITCH**

DETAIL APPROVED FOR USE 07/2004  
 REVISSED: 08/2006

DETAIL  
 C204-50