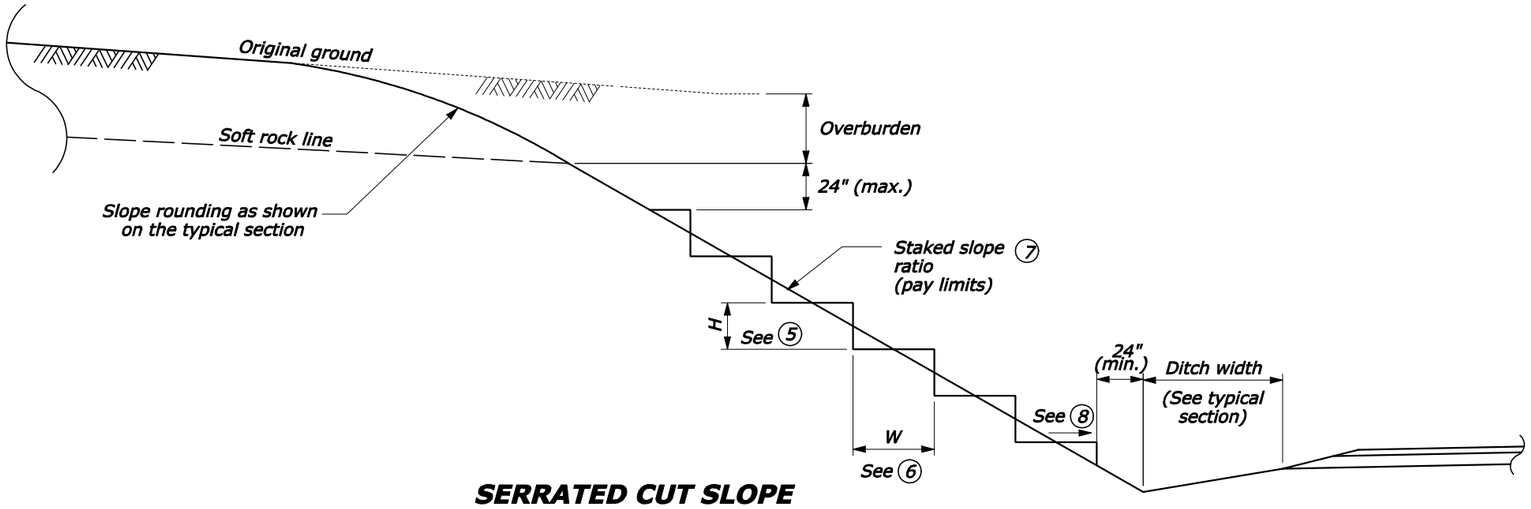
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS

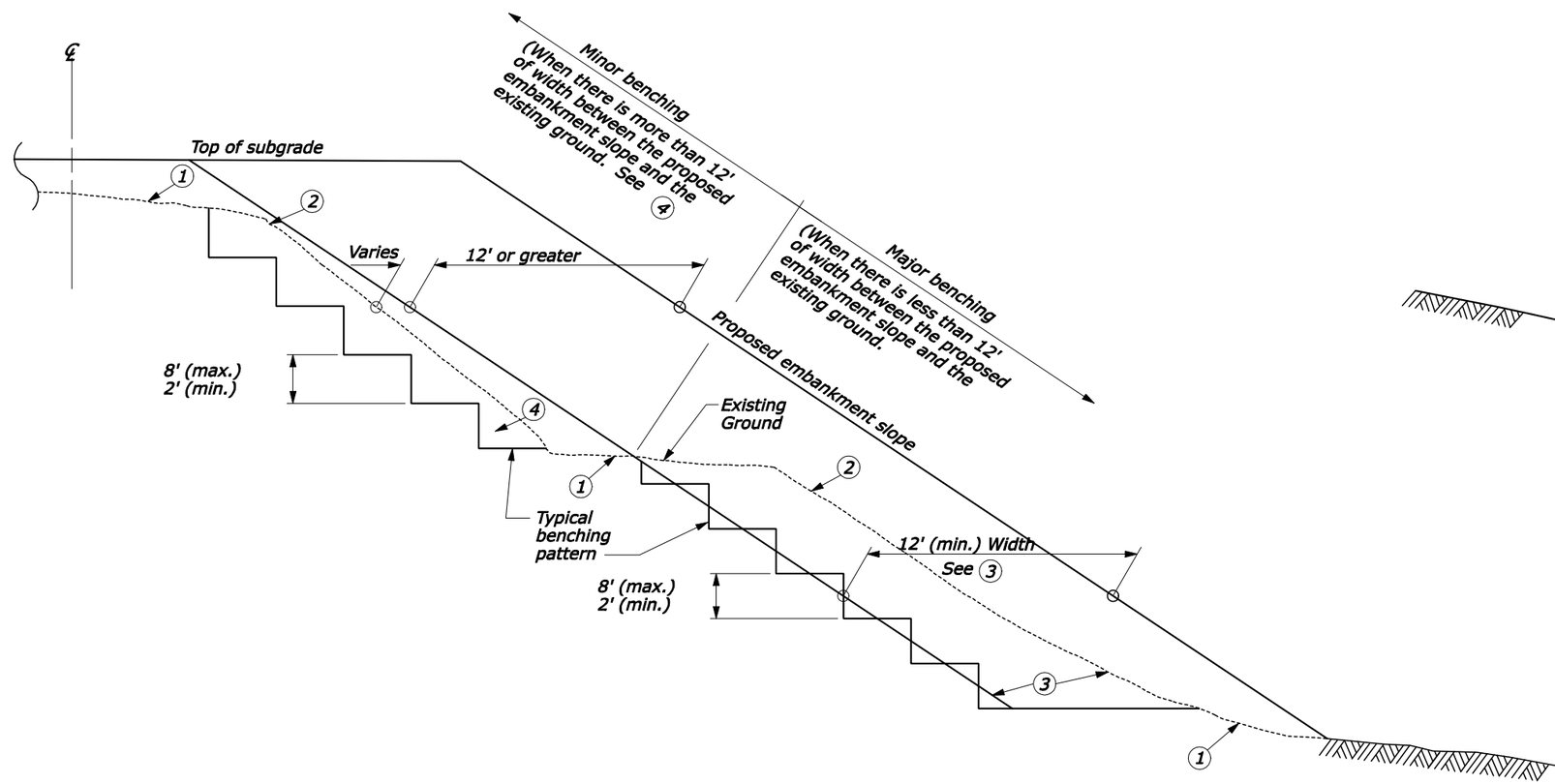


SERRATED CUT SLOPE

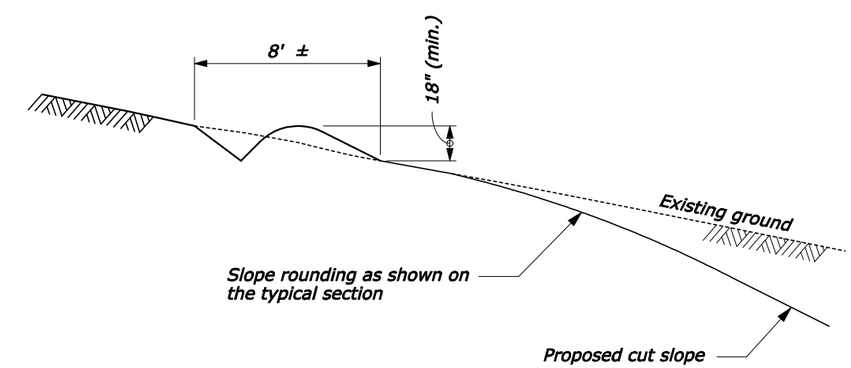
NOTE:

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

REVISED: 08/2006

DETAIL C204-50

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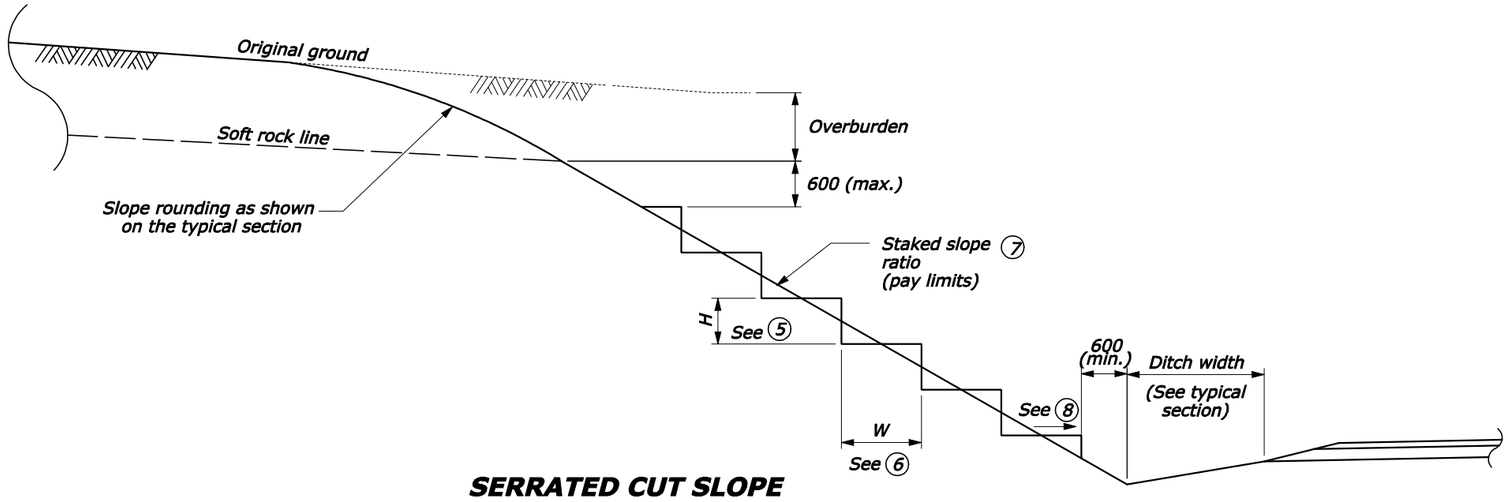
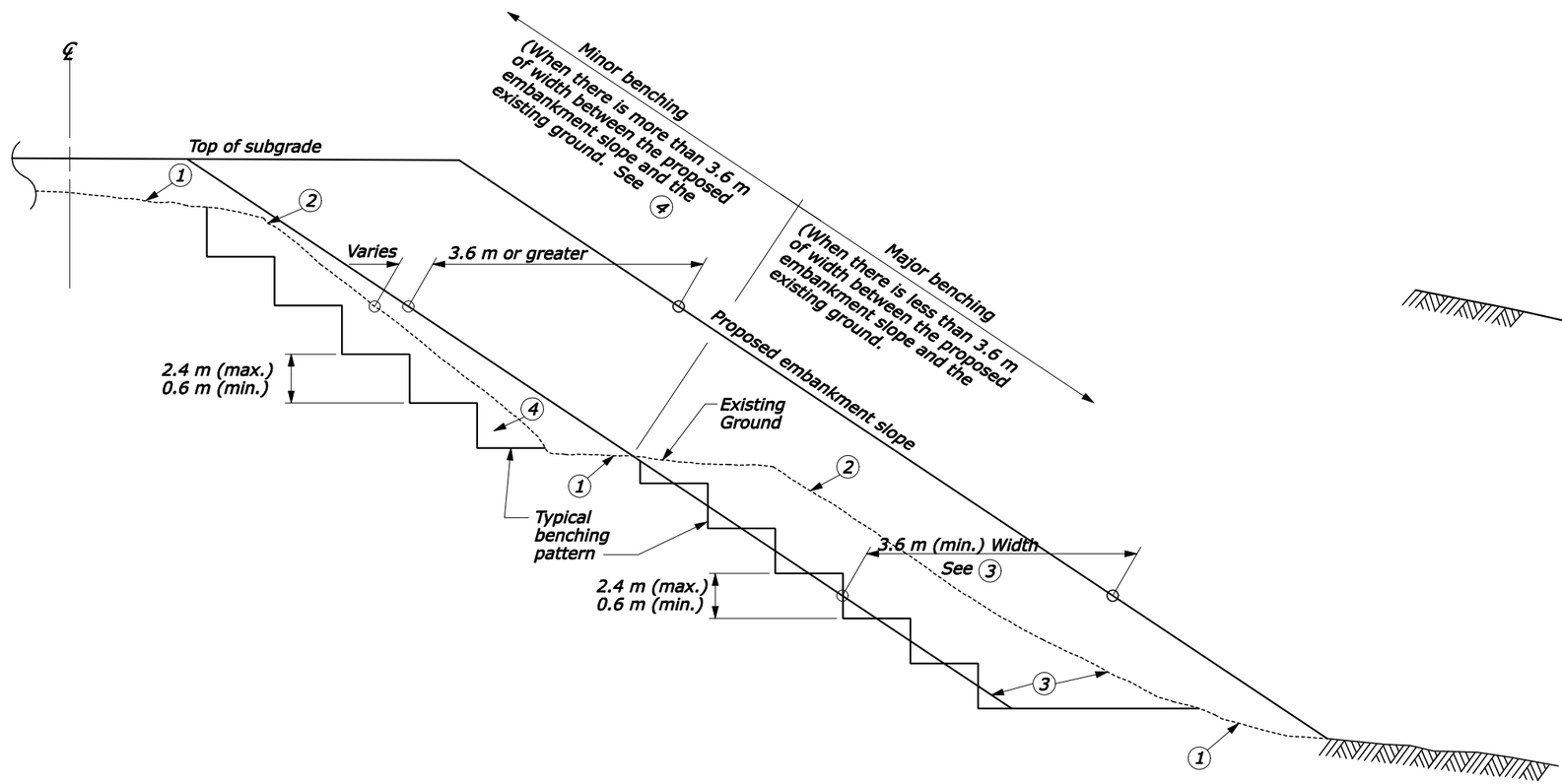
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS



SERRATED CUT SLOPE

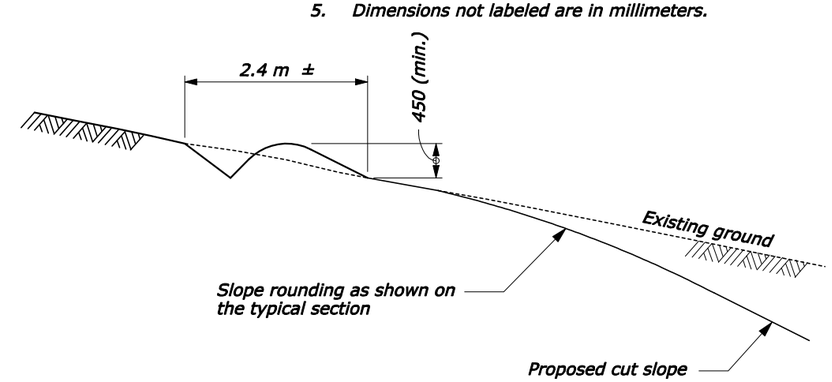


EMBANKMENT BENCHING

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 3.6 meters.
4. Bench into existing slope as necessary to meet minimum bench height requirements shown on the detail.
5. H = Height of step variable (600 mm 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.
9. Contractor is responsible for the slope stability of temporary cuts.

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.
5. Dimensions not labeled are in millimeters.



FURROW DITCH

NO SCALE

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

METRIC DETAIL

EMBANKMENT BENCHING, SERRATED CUT SLOPE, AND FURROW DITCH

DETAIL APPROVED FOR USE 07/2004

REVISED: 08/2006

DETAIL CM204-50

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