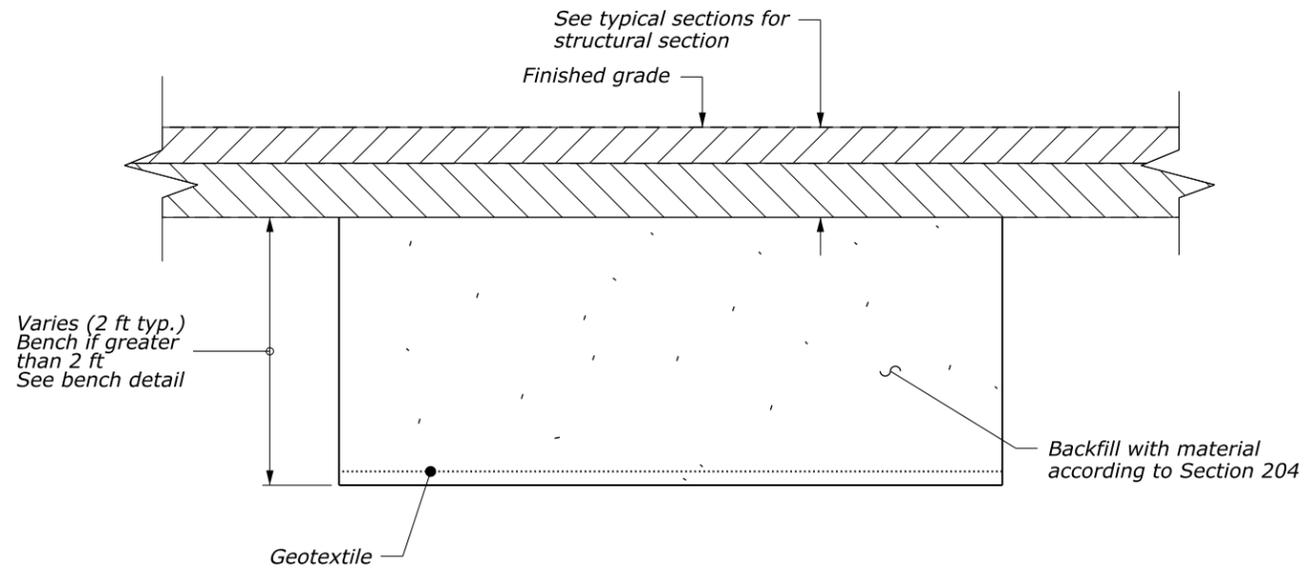


| REG | STATE | PROJECT | SHEET NO. | TOTAL SHEETS |
|-----|-------|---------|-----------|--------------|
|     |       |         |           |              |

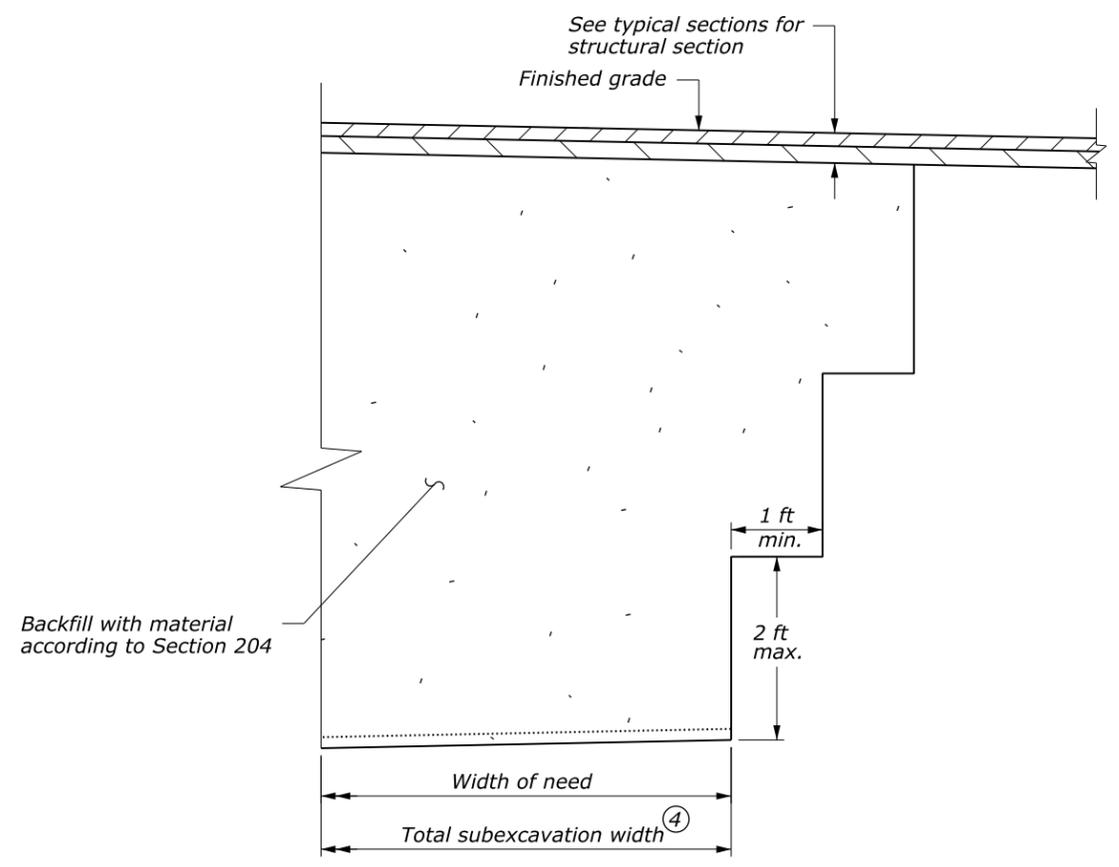
\_User: Angela.Johnson\_



**SUBEXCAVATION  
TYPICAL SECTION**

**NOTE:**

1. Replace unsuitable material according to Subsection 204.07 unless otherwise specified.
2. Minimum subexcavation dimensions are 6 ft wide x 6 ft long.
3. Do not place backfill material within the structural section.
- ④ Widen top of subexcavation area to allow for bench width in bottom layers. Provide a 1 ft min. bench width for every 2 ft of subexcavation depth.
5. Daylight to drain when the excavation is within 4 ft of the subgrade hinge point. Slope the excavation bottom 2% toward the daylight for drainage, or match the existing roadway cross slope when steeper than 2%.
6. At daylight locations, match the existing fill slope or make slope adjustments to match the subgrade hinge point. Do not construct slopes steeper than 1:2 unless approved by the CO.



**BENCH DETAIL**

12:30:14 PM N:\CFL-DPT\Teams\Details Team\in\_progress\204\_subex\C204-51.dgn

1/29/2013

|                                                                                                               |                       |
|---------------------------------------------------------------------------------------------------------------|-----------------------|
| U.S. DEPARTMENT OF TRANSPORTATION<br>FEDERAL HIGHWAY ADMINISTRATION<br>CENTRAL FEDERAL LANDS HIGHWAY DIVISION |                       |
| U.S. CUSTOMARY DETAIL<br><br><b>SUBEXCAVATION</b>                                                             |                       |
| <small>DETAIL APPROVED FOR USE 12/2012</small>                                                                | <small>DETAIL</small> |
| <small>REVISED:</small>                                                                                       | <b>C204-51</b>        |

NO SCALE



## NOTES TO THE DESIGNER

Last Updated: January 2013

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### General Information

1. **Layout Guidance.** Subexcavation locations will not be shown on the plans unless requested by the PM/COE. Add "As directed by the CO" to the remark column in the summary of quantities for the subexcavation pay item when exact locations are not tabulated.

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### Applicable SCRs

1. Section 204:  
[http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr\\_03/S204-03E.doc](http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr_03/S204-03E.doc)
2. Section 404:  
[http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr\\_03/S404-03E.doc](http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr_03/S404-03E.doc)

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### Typical Pay Item Used

- 20402-0000 Subexcavation [CUYD]

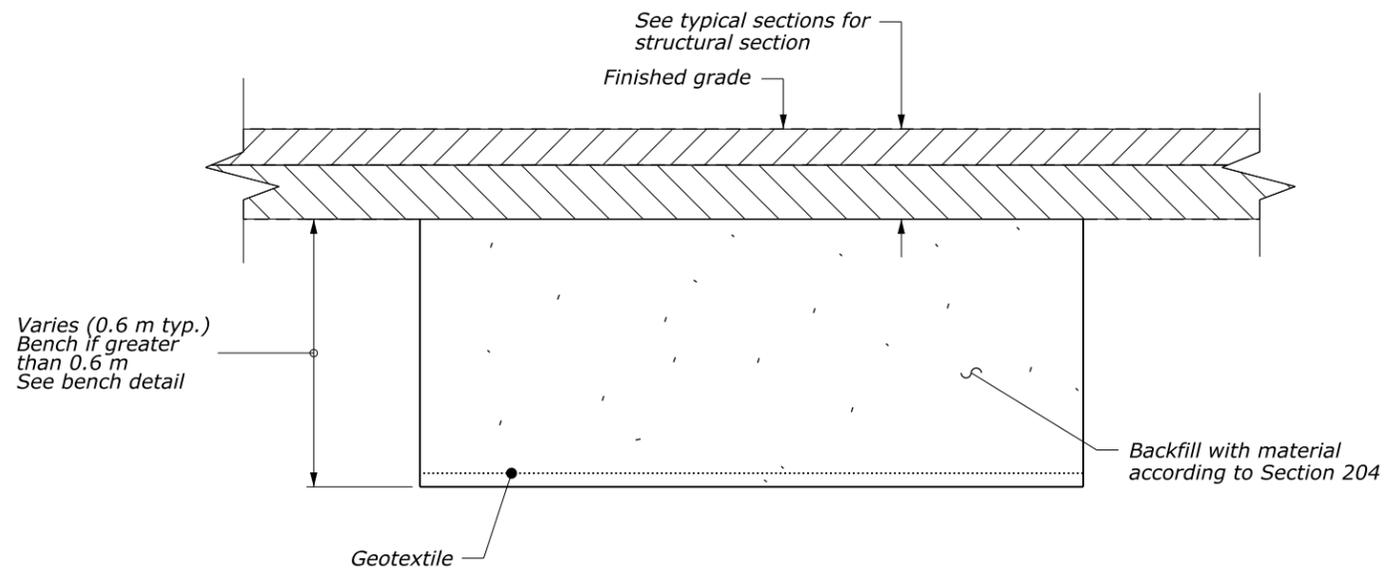
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### Updates

January 2013

- New CFL detail drawing

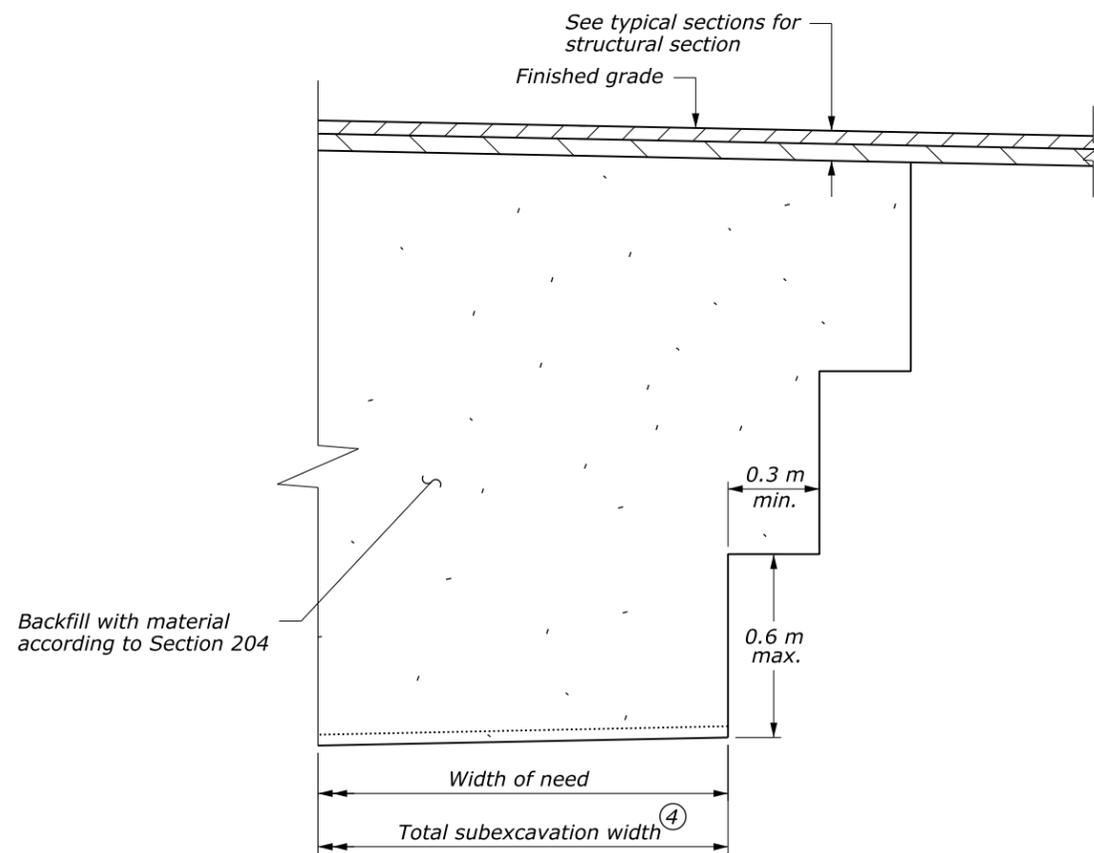
| REG | STATE | PROJECT | SHEET NO. | TOTAL SHEETS |
|-----|-------|---------|-----------|--------------|
|     |       |         |           |              |



**SUBEXCAVATION  
TYPICAL SECTION**

**NOTE:**

1. Replace unsuitable material according to Subsection 204.07 unless otherwise specified.
2. Minimum subexcavation dimensions are 2 m wide x 2 m long.
3. Do not place backfill material within the structural section.
- ④ Widen top of subexcavation area to allow for bench width in bottom layers. Provide a 0.3 m min. bench width for every 0.6 m of subexcavation depth.
5. Daylight to drain when the excavation is within 1.2 m of the subgrade hinge point. Slope the excavation bottom 2% toward the daylight for drainage, or match the existing roadway cross slope when steeper than 2%.
6. At daylight locations, match the existing fill slope or make slope adjustments to match the subgrade hinge point. Do not construct slopes steeper than 1:2 unless approved by the CO.



**BENCH DETAIL**

12:29:53 PM N:\CFL-DPT\Teams\Details Team\In\_progress\204\_subexc\204-51.dgn  
1/29/2013

|                                                                                                               |          |
|---------------------------------------------------------------------------------------------------------------|----------|
| U.S. DEPARTMENT OF TRANSPORTATION<br>FEDERAL HIGHWAY ADMINISTRATION<br>CENTRAL FEDERAL LANDS HIGHWAY DIVISION |          |
| METRIC DETAIL                                                                                                 |          |
| <b>SUBEXCAVATION</b>                                                                                          |          |
| DETAIL APPROVED FOR USE 12/2012                                                                               | DETAIL   |
| REVISED:                                                                                                      | CM204-51 |



## NOTES TO THE DESIGNER

Last Updated: January 2013

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### General Information

1. **Layout Guidance.** Subexcavation locations will not be shown on the plans unless requested by the PM/COE. Add "As directed by the CO" to the remark column in the summary of quantities for the subexcavation pay item when exact locations are not tabulated.

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### Applicable SCRs

1. Section 204:  
[http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr\\_03/S204-03M.doc](http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr_03/S204-03M.doc)
2. Section 404:  
[http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr\\_03/S404-03M.doc](http://www.cflhd.gov/resources/design/constructspecs/scr/documents/scr_03/S404-03M.doc)

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### Typical Pay Item Used

- 20402-0000 Subexcavation [m3]

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### Updates

January 2013

- New CFL detail drawing