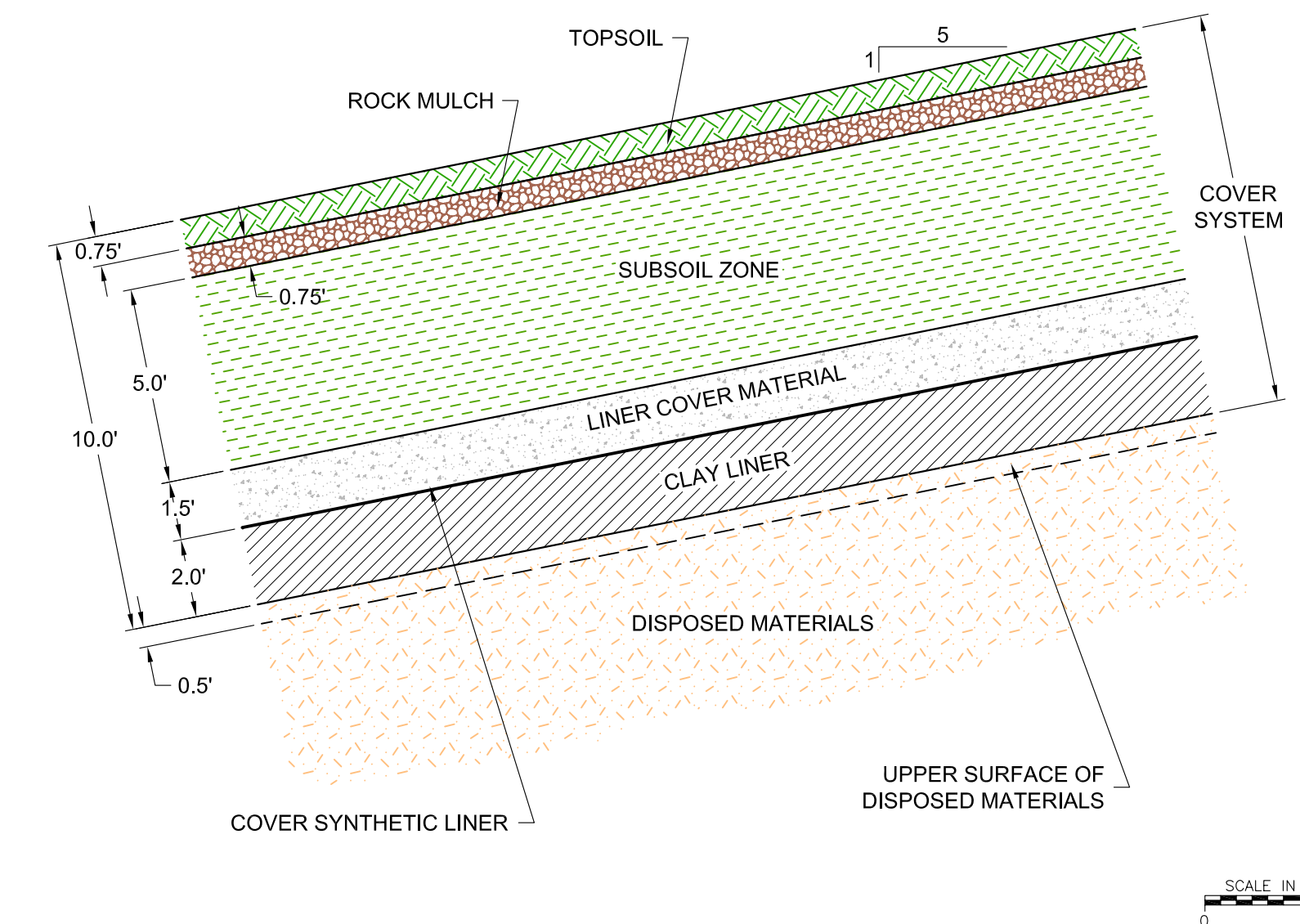
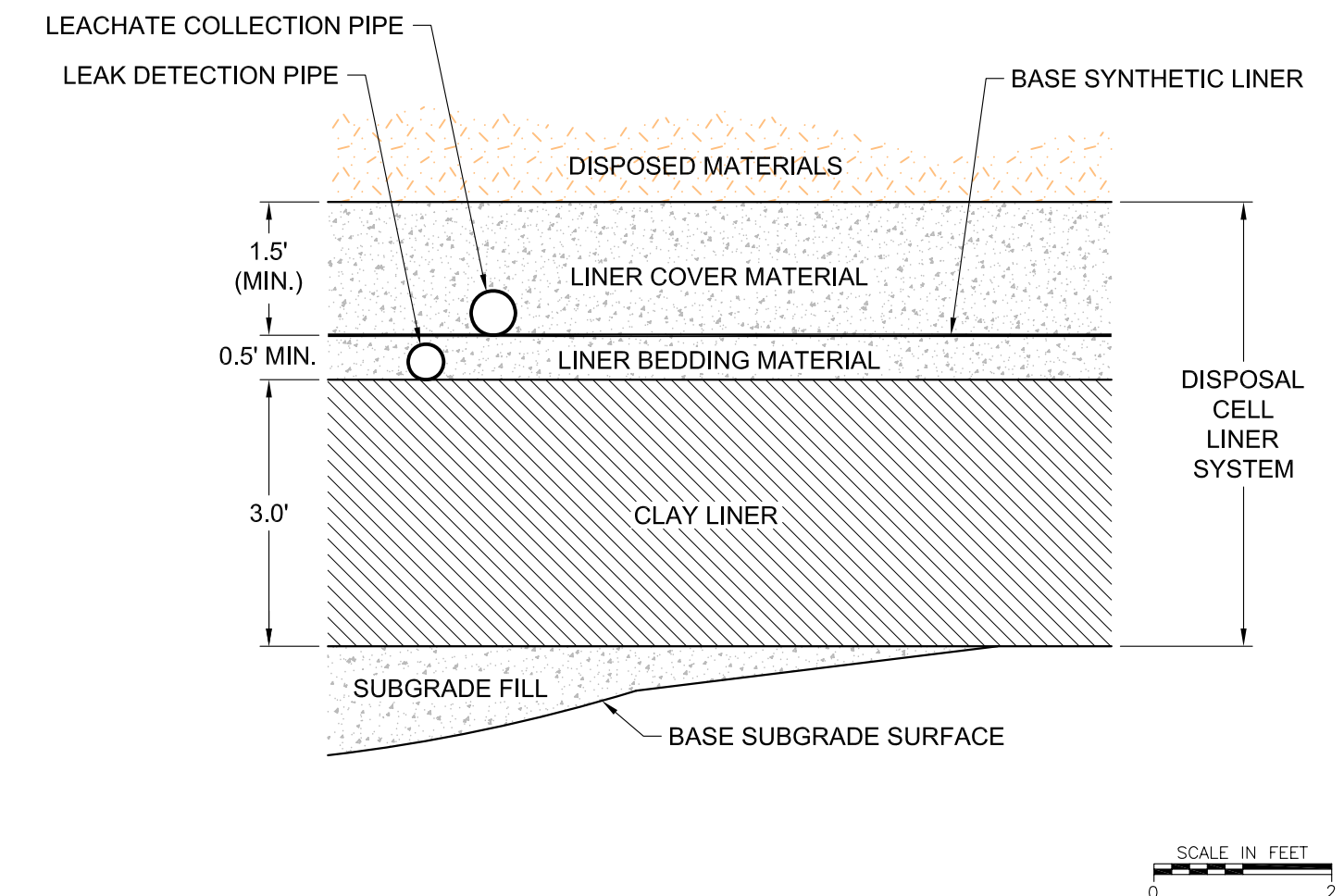


DETAIL 3
TYPICAL COVER SYSTEM, TOP OF CELL

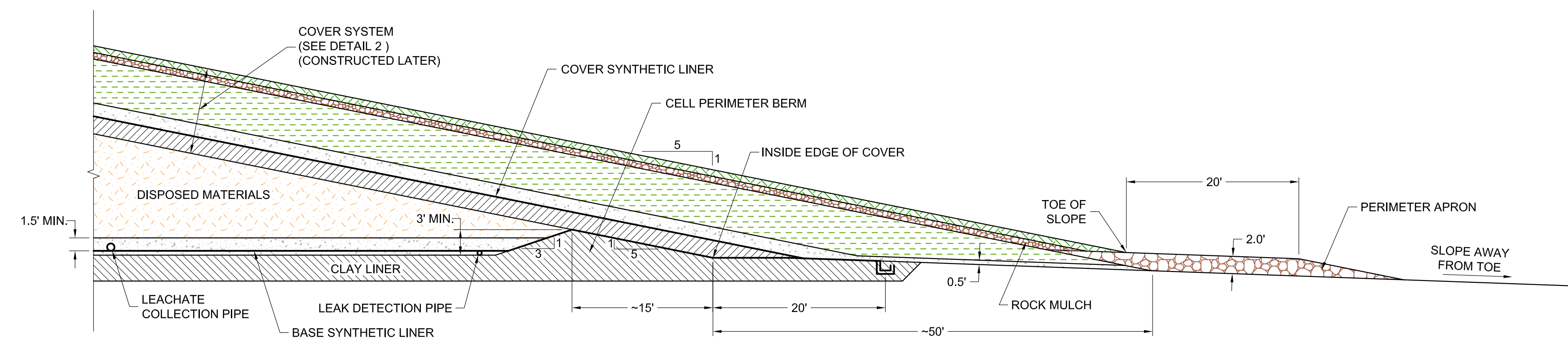


DETAIL 2
TYPICAL COVER SYSTEM, CELL SIDE SLOPES

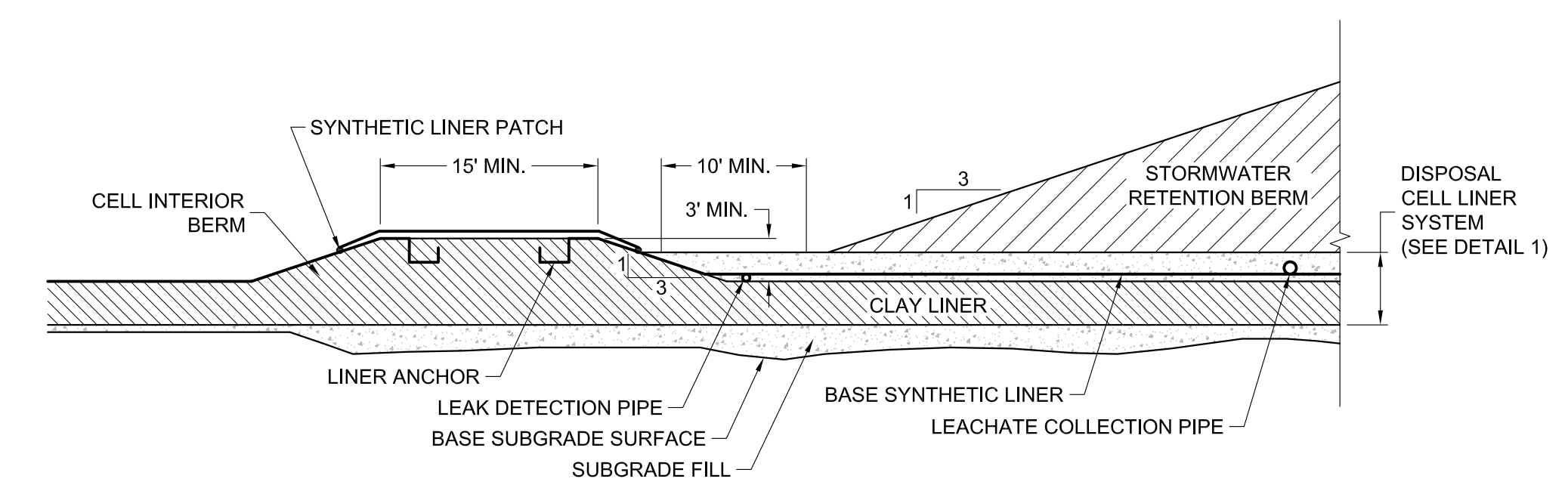


DETAIL 1
TYPICAL DISPOSAL CELL LINER SYSTEM

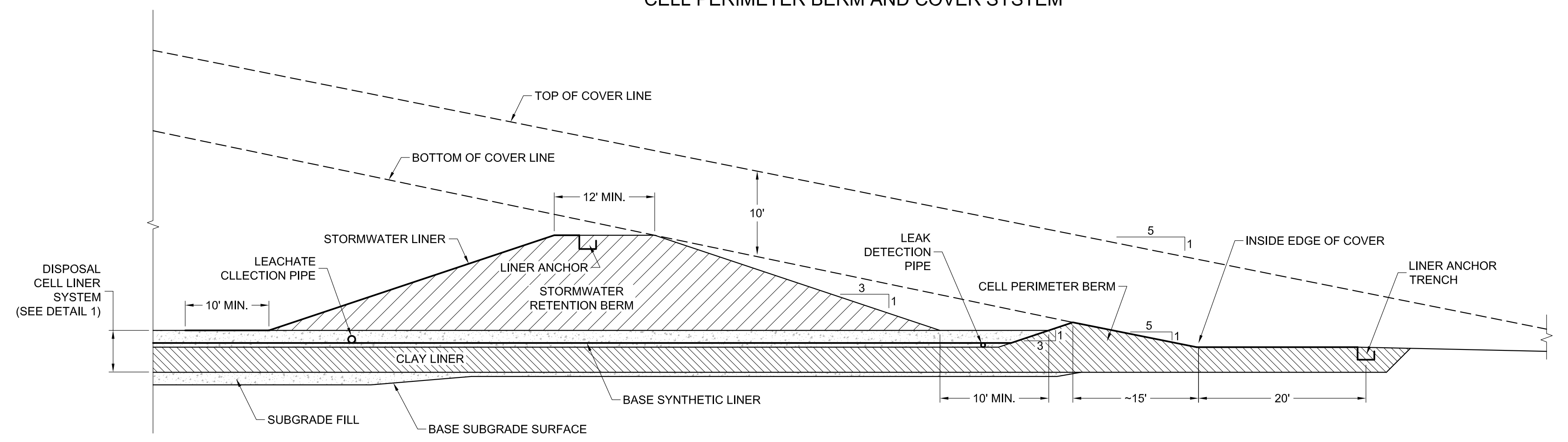
- NOTES:**
- ROCK MULCH - Angular sandy gravel and cobbles with median particle size of 3.7 inches on south and east slopes, 3.0 inches on north and west slopes, and layer thickness of 9 inches.
 - PERIMETER APRON ROCK - Angular gravel and cobbles with median particle size of 7.5 inches and layer thickness of 24 inches.
 - EROSION PROTECTION FILTER - Gravel and sand with maximum particle size of 3.0 inches.
 - TOPSOIL - Approved material obtained from within facility boundary.
 - SOIL COVER - Gravelly clay to silty clay obtained from within facility boundary.
 - RANDOM FILL - Clean sandy gravel used for subgrade fill, with top surface rolled with vibratory roller or compactor.
 - DISPOSED MATERIALS - Materials from site cleanup operations, placed in lifts to minimize void spaces and rolled (where necessary) with vibratory roller or compactor.
 - BASE SYNTHETIC LINER - 60-mil nominal thickness HDPE, smooth surface on both sides, seamed and tested to form continuous liner.
 - SUBGRADE FILL - Granular material with maximum particle size of 6 inches.
 - CLAY LINER - Silty clay compacted to 95 percent of Standard Proctor density and within 2 percent of Standard Proctor optimum moisture content. Material obtained from within facility boundary.
 - LINER BEDDING AND COVER MATERIAL - Granular material with maximum particle size of 1.0 inches. Liner cover material placed in one lift to form a layer 1.5 ft. thick.
 - UPPER SURFACE OF DISPOSED MATERIALS - The upper surface of disposed materials shall be rolled with a drum roller or rubber-tired equipment.
 - COVER SYNTHETIC LINER - 60-mil nominal thickness HDPE, textured surface on both sides, seamed and tested to form continuous liner.
 - LEACHATE COLLECTION PIPE - 6-inch diameter blank HDPE pipe. Pipe perforated within inside toe of perimeter berm.
 - LEAK DETECTION PIPE - 4-inch diameter blank HDPE pipe. Pipe perforated 20 ft. inside of perimeter berm.
 - BASE SUBGRADE SURFACE - Compacted random fill, excavated soil surface, natural soil subsurface, or clean concrete or asphalt surface, forming base for subgrade fill.
 - STORMWATER LINER - 40-mil nominal thickness HDPE (or approved equivalent), smooth surface on both sides, seamed along stormwater berm.



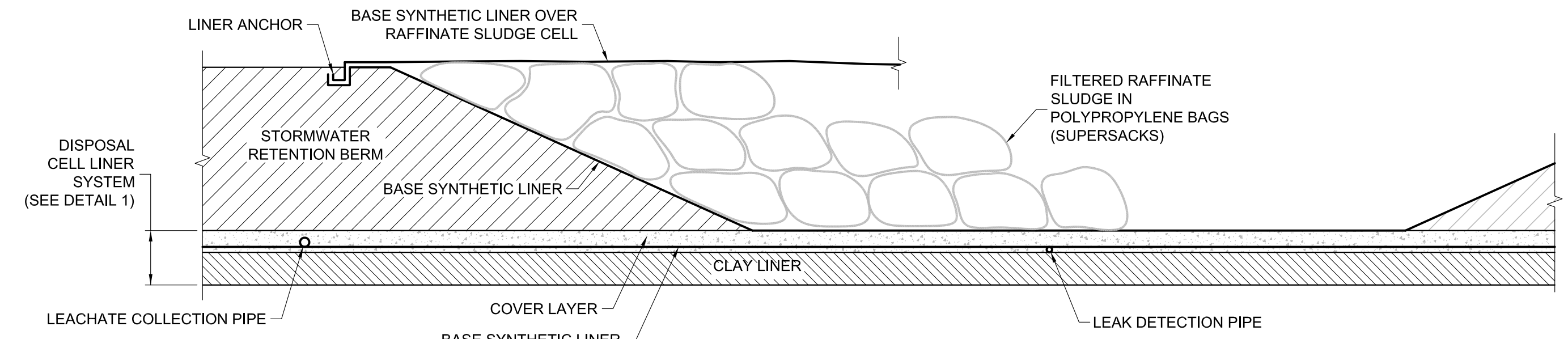
DETAIL 4
CELL PERIMETER BERM AND COVER SYSTEM



DETAIL 6
CELL INTERIOR BERM



DETAIL 5
CELL PERIMETER BERM AND STORMWATER RETENTION BERM



DETAIL 7
FILTERED RAFFINATE SLUDGE CELL
(CONSTRUCTED ONLY IF FILTERED SLUDGE IS DISPOSED ON SITE)

| No. | DESCRIPTION | BY | CHKD. | APPROVED | DATE |
|-----|---|-----|-------|----------|-------|
| A | ISSUED FOR PERMITTING | CLS | | | 12/02 |
| B | UPDATED LINER SYSTEM | CLS | | | 8/03 |
| C | DISPOSAL CELL CONSTRUCTION PLAN | CLS | | | 2/04 |
| D | MODIFIED FROM SETTLEMENT AGREEMENT | CLS | | | 3/05 |
| E | MODIFIED FROM NRC REVIEW | CLS | | | 1/06 |
| F | MODIFIED FROM NRC REVIEW FOR EROSION PROTECTION | CLS | | | 1/07 |
| G | MODIFIED FROM NRC REVIEW FOR EROSION PROTECTION | RTS | | | 12/07 |

| DWG No. | DRAWING TITLE |
|---------|---------------|
| | |

| ENGINEERING RECORD | BY | DATE |
|--------------------|-----|-------|
| PRELIMINARY DESIGN | CLS | 12/02 |
| CELL OPERATIONS | DAS | 2/04 |
| ODEQ MODIFICATIONS | CLS | 9/04 |
| NRC REVIEW | RTS | 1/07 |

PREPARED BY

Fort Collins, CO
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PREPARED FOR

DISPOSAL CELL DETAILS

PROJECT: 100734 DATE: DECEMBER 2007
SCALE: AS SHOWN ACAD FILE: STIE-11-REV-G DRAWING: 11 REVISION: G