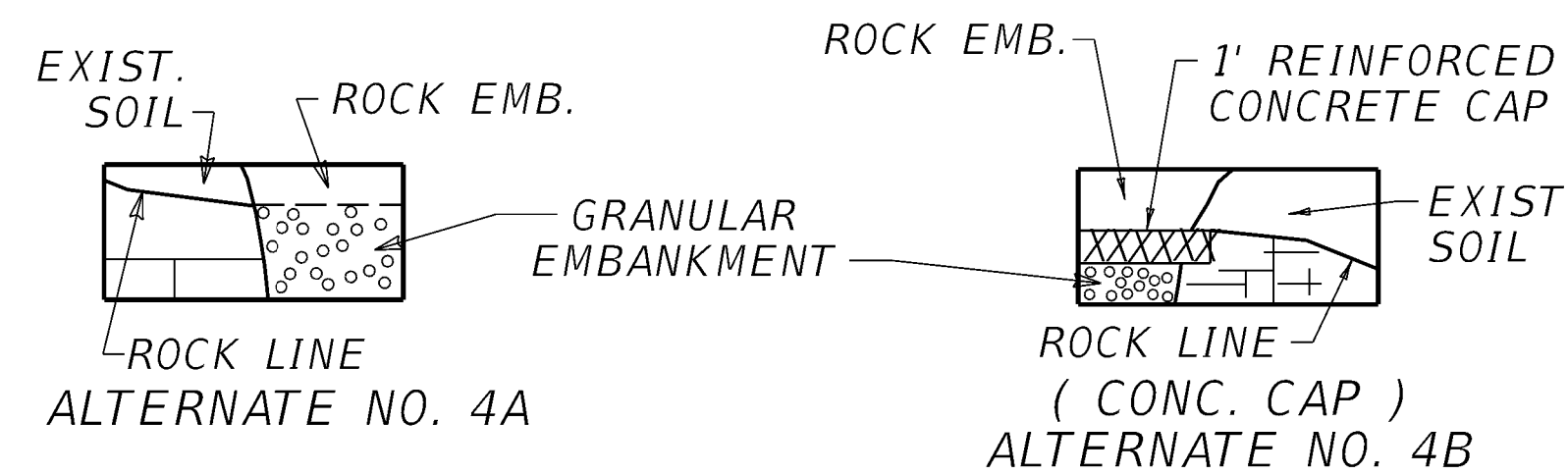
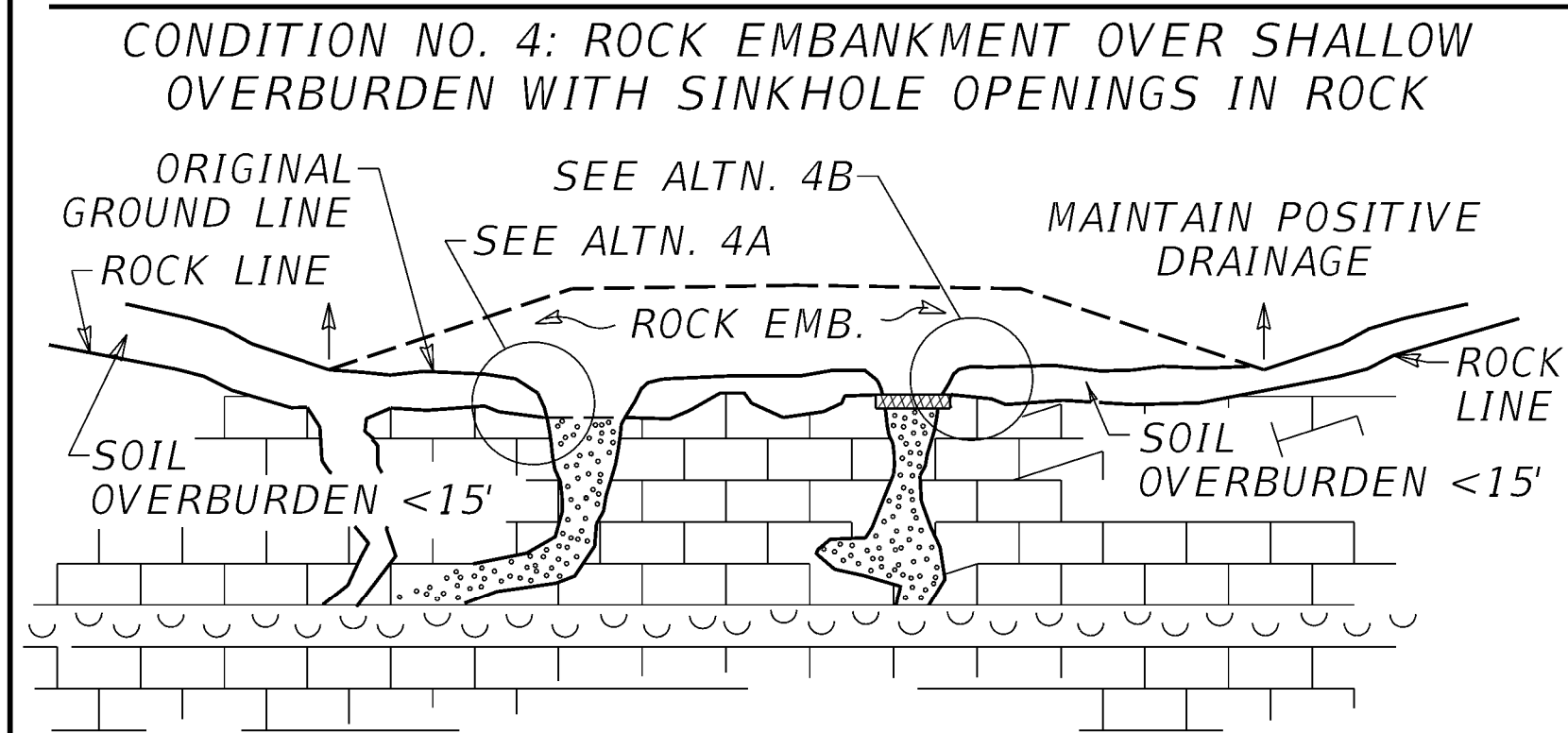


DETAIL "1A"

PROCEDURE:

- REMOVE DEBRIS. DO NOT EXCAVATE SOIL OVERBURDEN.
- LINE OPENING WITH GEOTEXTILE FABRIC CLASS I.
- REFILL WITH GRANULAR EMBANKMENT.
- PLACE GEOTEXTILE FABRIC CLASS I ON TOP OF GRANULAR EMBANKMENT.
- REFILL WITH (2' MINIMUM) CLAY SOIL CAP.

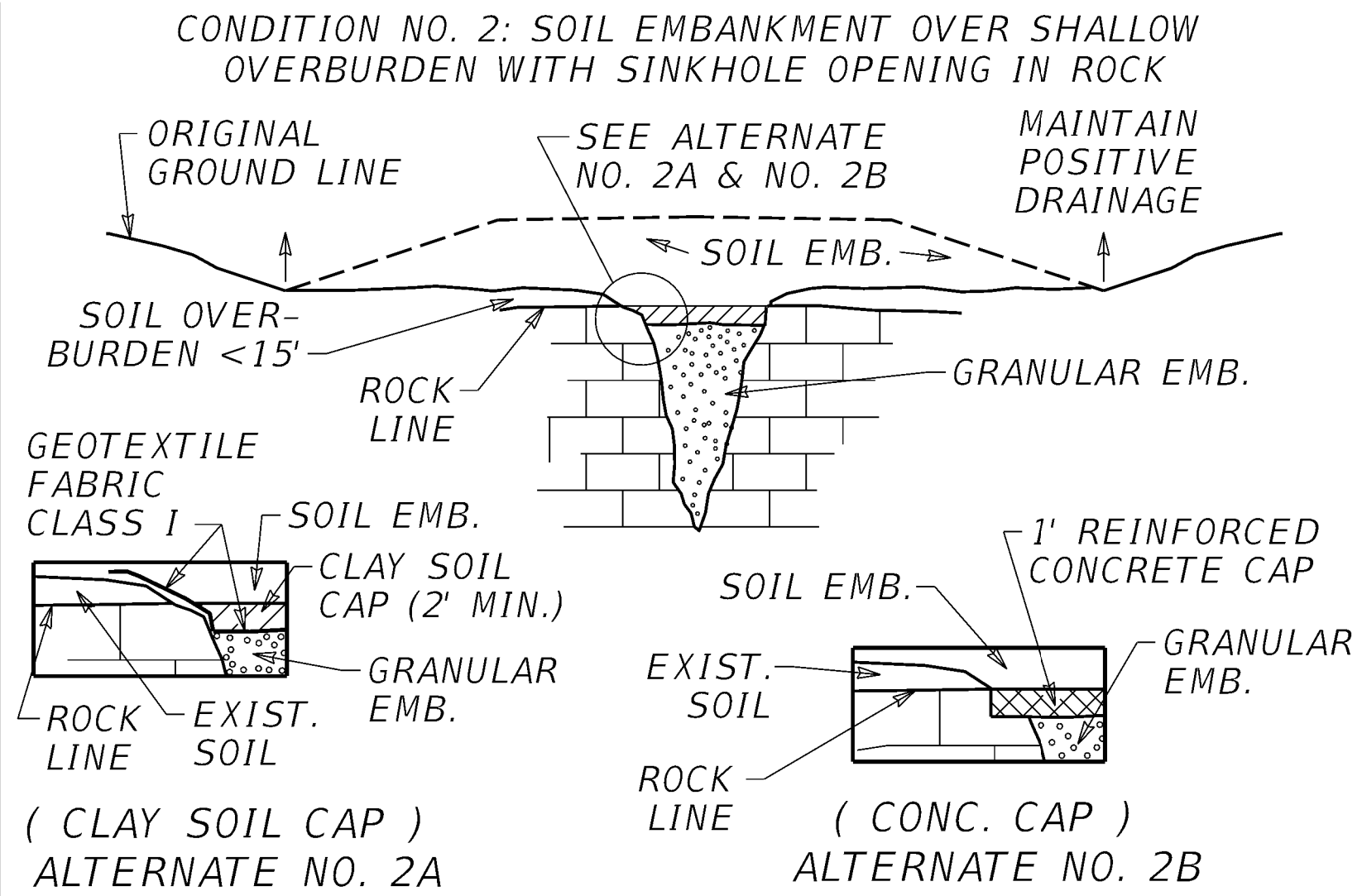


PROCEDURE FOR ALTERNATE NO. 4A

- REMOVE DEBRIS AND SOIL OVERBURDEN.
- REFILL OPENING TO ROCK LINE WITH GRANULAR EMBANKMENT.

PROCEDURE FOR ALTERNATE NO. 4B

- REMOVE DEBRIS AND SOIL OVERBURDEN.
- REFILL OPENING WITH GRANULAR EMBANKMENT TO 1' MIN. BELOW ROCK LINE.
- CONST. 1' REINFORCED CONC. CAP. CAP SHOULD BE INTERLOCKED WITH ROCK FOR SUPPORT.

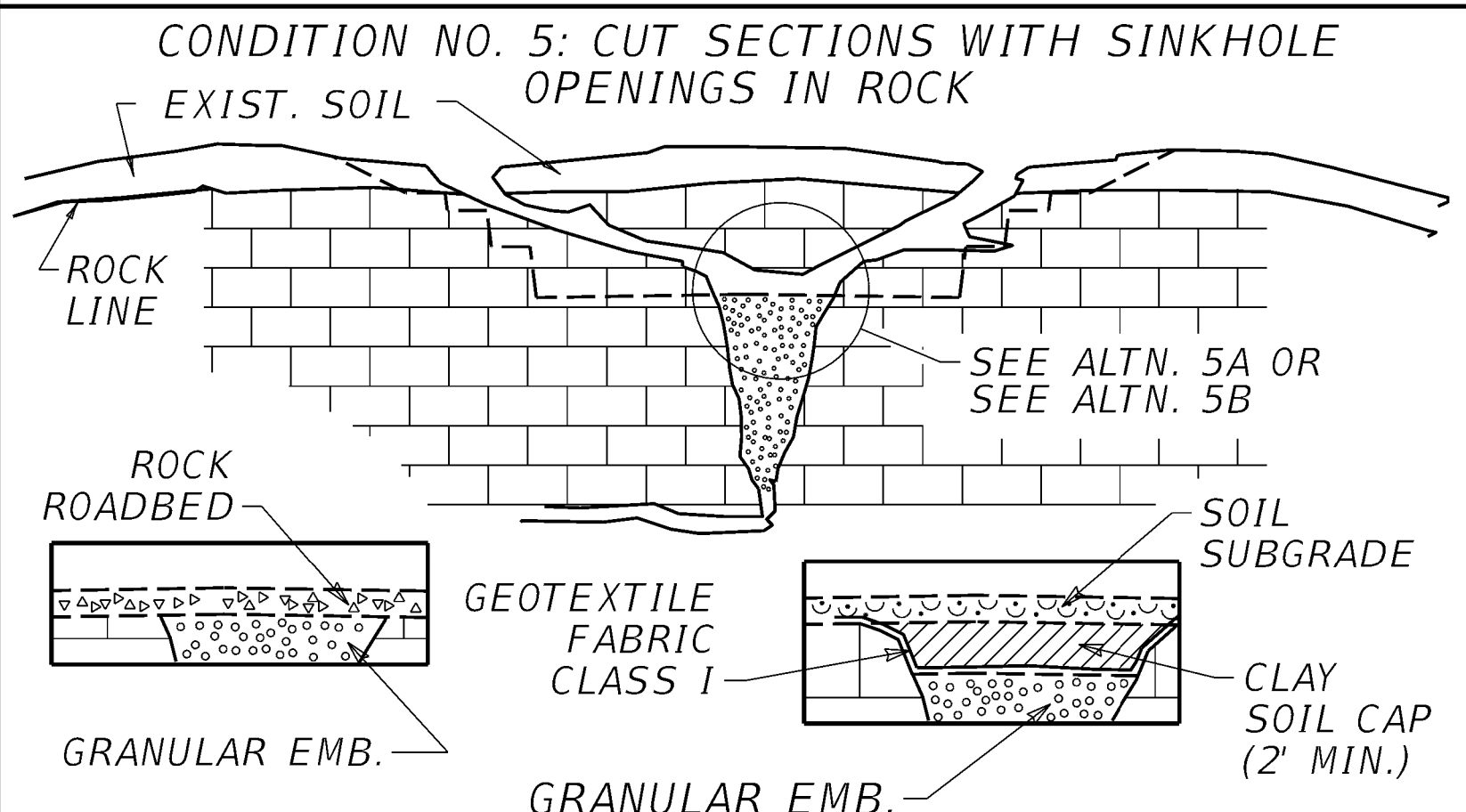


PROCEDURE FOR ALTERNATE NO. 2A

- REMOVE DEBRIS AND SOIL OVERBURDEN.
- REFILL OPENING WITH GRANULAR EMBANKMENT TO 2' MIN. BELOW ROCK LINE.
- PLACE GEOTEXTILE FABRIC CLASS I ON TOP OF GRANULAR EMB. OVERLAPPING ORIGINAL GROUND LINE.
- REFILL WITH (2' MIN.) CLAY SOIL CAP.

PROCEDURE FOR ALTERNATE NO. 2B

- REMOVE DEBRIS AND SOIL OVERBURDEN.
- REFILL OPENING WITH GRANULAR EMBANKMENT TO 1' MIN. BELOW ROCK LINE.
- CONSTRUCT 1' REINFORCED CONCRETE CAP. CAP SHOULD BE INTERLOCKED WITH ROCK FOR SUPPORT.



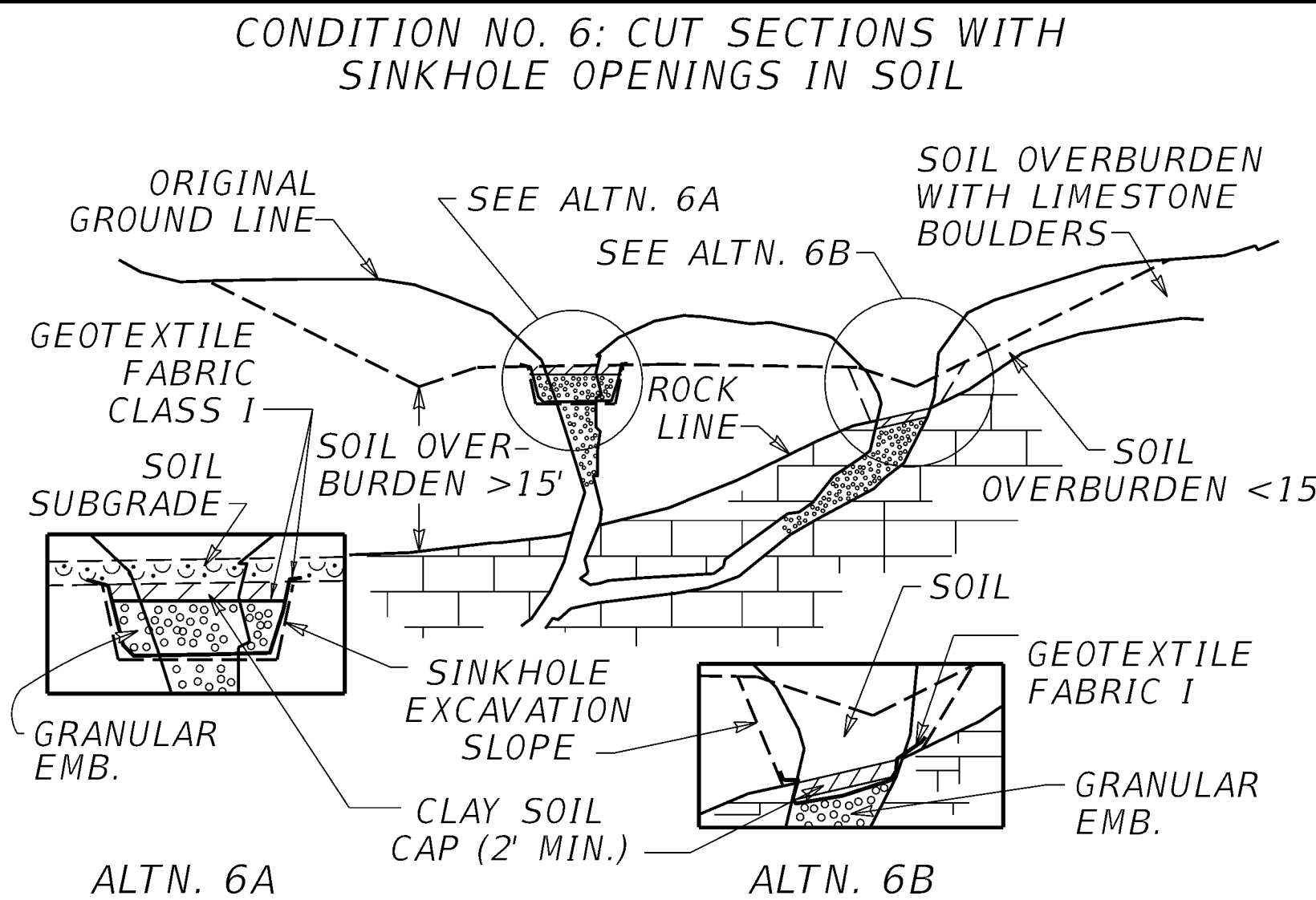
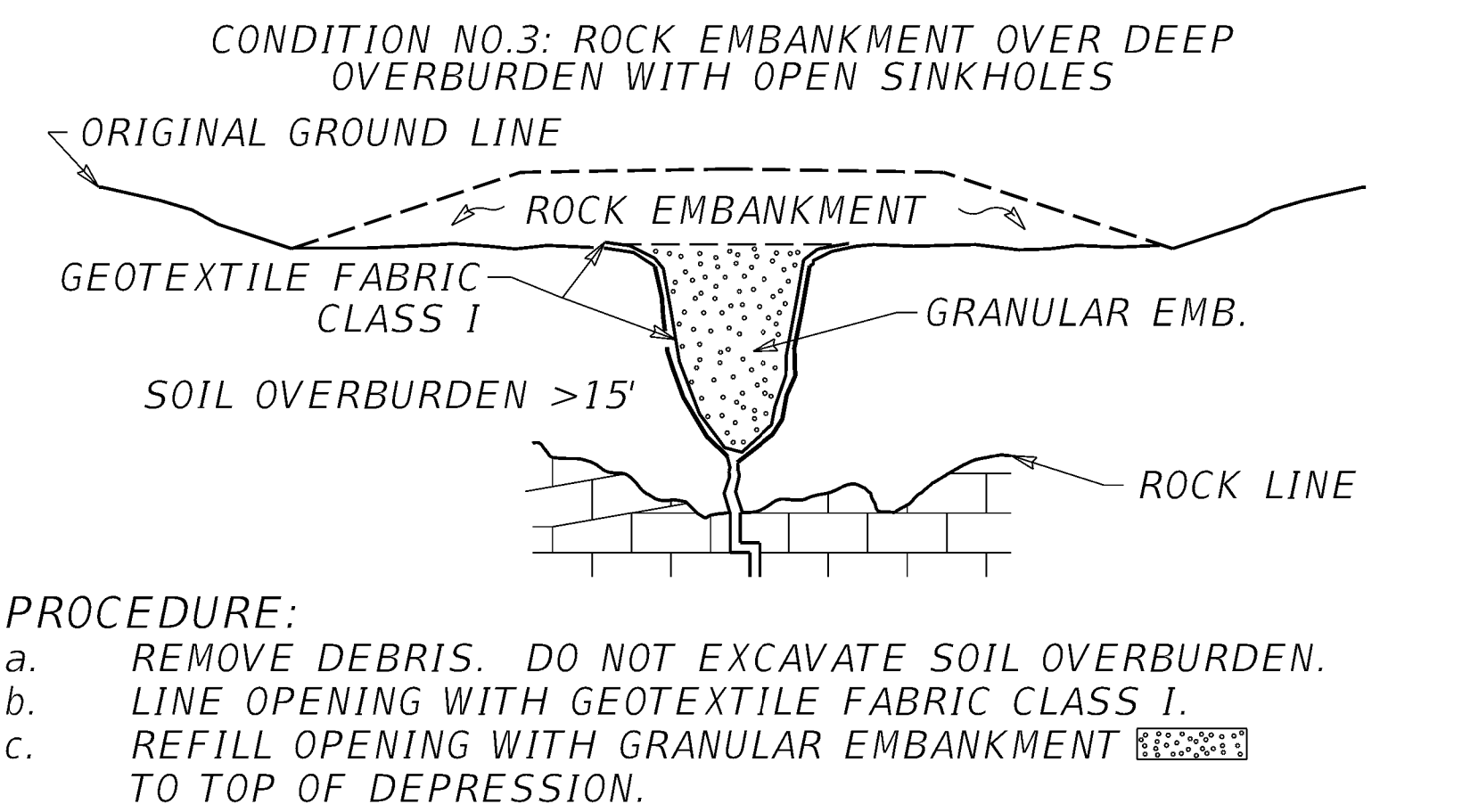
(ROCK ROADBED)
ALTERNATE NO. 5A

PROCEDURE FOR ALTERNATE NO. 5A

- REFILL OPENING WITH GRANULAR EMBANKMENT. IF CONCRETE CAP IS USED IT SHALL BE INTERLOCKED WITH THE BEDROCK FOR SUPPORT AS DETAILED IN CONDITION NO. 2 ALTERNATE NO. 2B.

PROCEDURE FOR ALTERNATE NO. 5B

- REFILL OPENING WITH GRANULAR EMBANKMENT. TO 2' MINIMUM BELOW SOIL SUBGRADE.
- PLACE GEOTEXTILE FABRIC CLASS I OVER GRANULAR EMBANKMENT.
- REFILL WITH (2' MIN.) CLAY SOIL CAP. IF CONCRETE CAP IS USED THE FABRIC SHALL BE OMITTED AND CAP SHALL BE INTERLOCKED WITH THE BEDROCK FOR SUPPORT AS DETAILED IN COND. NO. 2 ALTERNATE NO. 2B.



ALTERNATE NO. 6A SOIL OVERBURDEN GREATER THAN 15'

- REMOVE DEBRIS. DO NOT EXCAVATE SOIL OVERBURDEN.
- LINE OPENING WITH GEOTEXTILE FABRIC CLASS I.
- REFILL WITH GRANULAR EMBANKMENT.
- PLACE GEOTEXTILE FABRIC CLASS I OVER GRANULAR EMBANKMENT OVERLAPPING ORIG. GROUND LINE.
- REFILL WITH (2' MIN.) CLAY SOIL CAP. IF ROCK SUBGRADE IS USED OMIT SOIL CAP AND FABRIC UNDER-LYING SOIL CAP.

ALTERNATE NO. 6B SOIL OVERBURDEN LESS THAN 15'

- REMOVE DEBRIS AND SOIL OVERBURDEN.
- REFILL OPENING WITH GRANULAR EMBANKMENT TO 2' MIN. BELOW ROCK LINE.
- PLACE GEOTEXTILE FABRIC CLASS I OVER GRANULAR EMBANKMENT OVERLAPPING ORIG. GROUND LINE.
- REFILL WITH (2' MIN.) CLAY SOIL CAP. IF CONCRETE CAP IS USED THE FABRIC SHALL BE OMITTED AND CAP SHALL BE INTERLOCKED WITH THE BEDROCK FOR SUPPORT AS DETAILED IN COND. NO. 2 ALTERNATE NO. 2B.

THE CONCRETE CAP SHALL BE CLASS "B" CONC. AND CONTAIN NO. 8 REINFORCING BARS PLACED AT 12" CTRS. IN BOTH DIRECTIONS AND LOCATED 3" FROM THE BOTTOM SURFACE OF THE CAP.

SUBMITTED *Maheul Crest* DIVISION DIRECTOR 02-08-2023 DATE