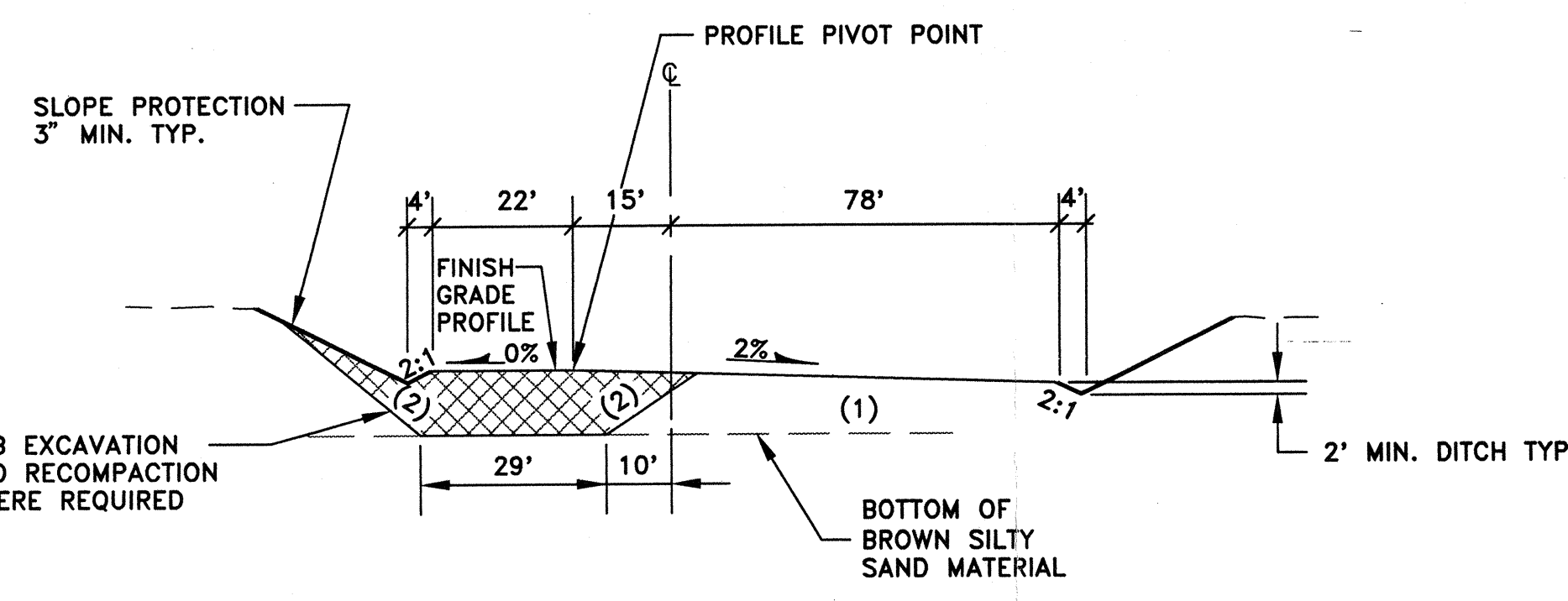
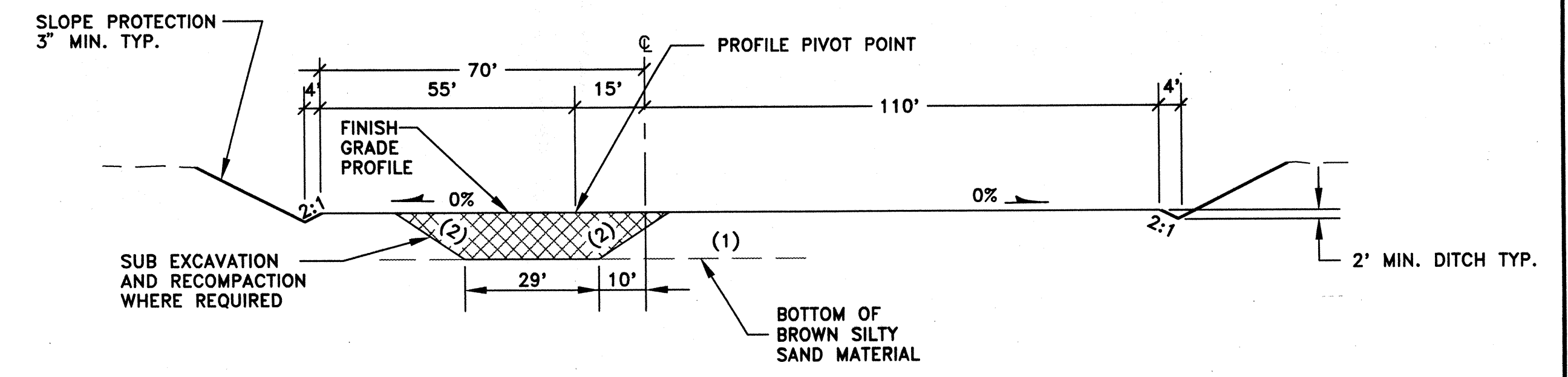


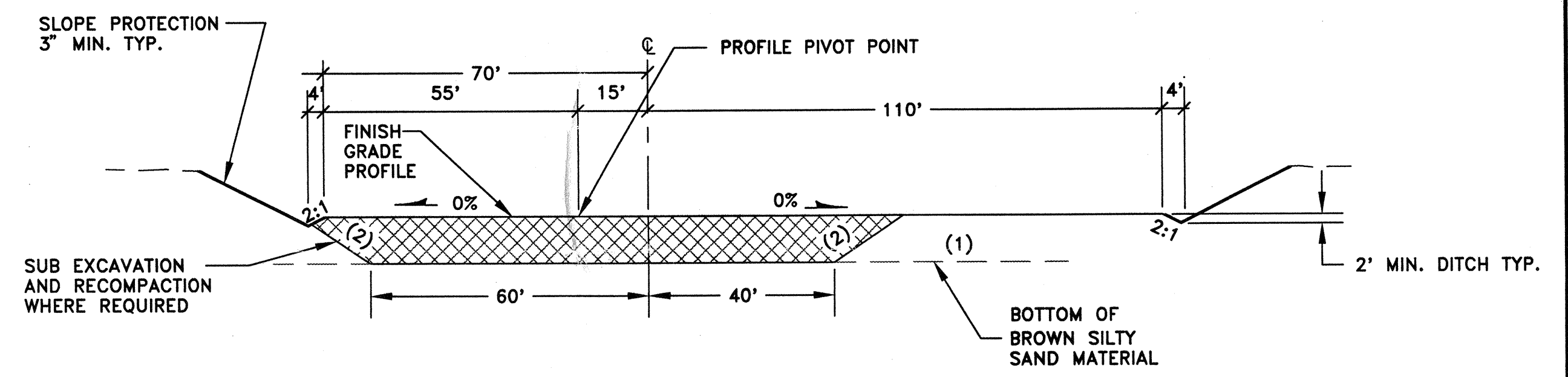
**TYPICAL CUT SECTION ALONG ARM**  
 STA. NW 16+50 TO 42+45  
 STA. NW 43+55 TO 74+00  
 STA. NW 78+00 TO 107+95  
 STA. NW 109+05 TO 139+00  
  
 STA. SW 16+25 TO 42+45  
 STA. SW 43+55 TO 74+00  
 STA. SW 78+00 TO 107+95  
 STA. SW 109+05 TO 139+00



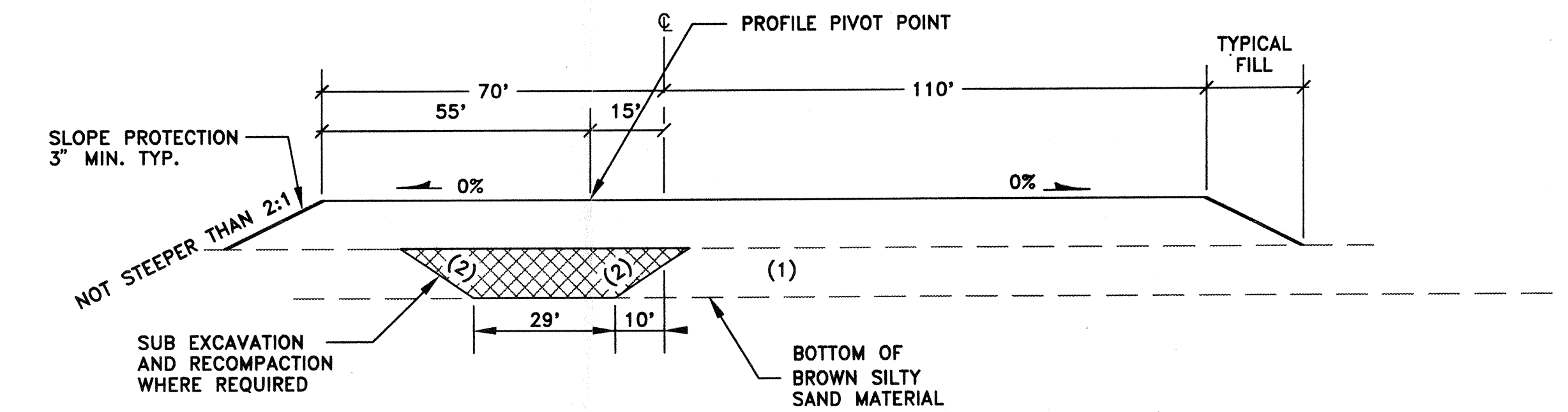
**TYPICAL CUT SECTION AT TURNAROUNDS**  
 STA. 42+45 TO 43+55  
 STA. 107+95 TO 109+05



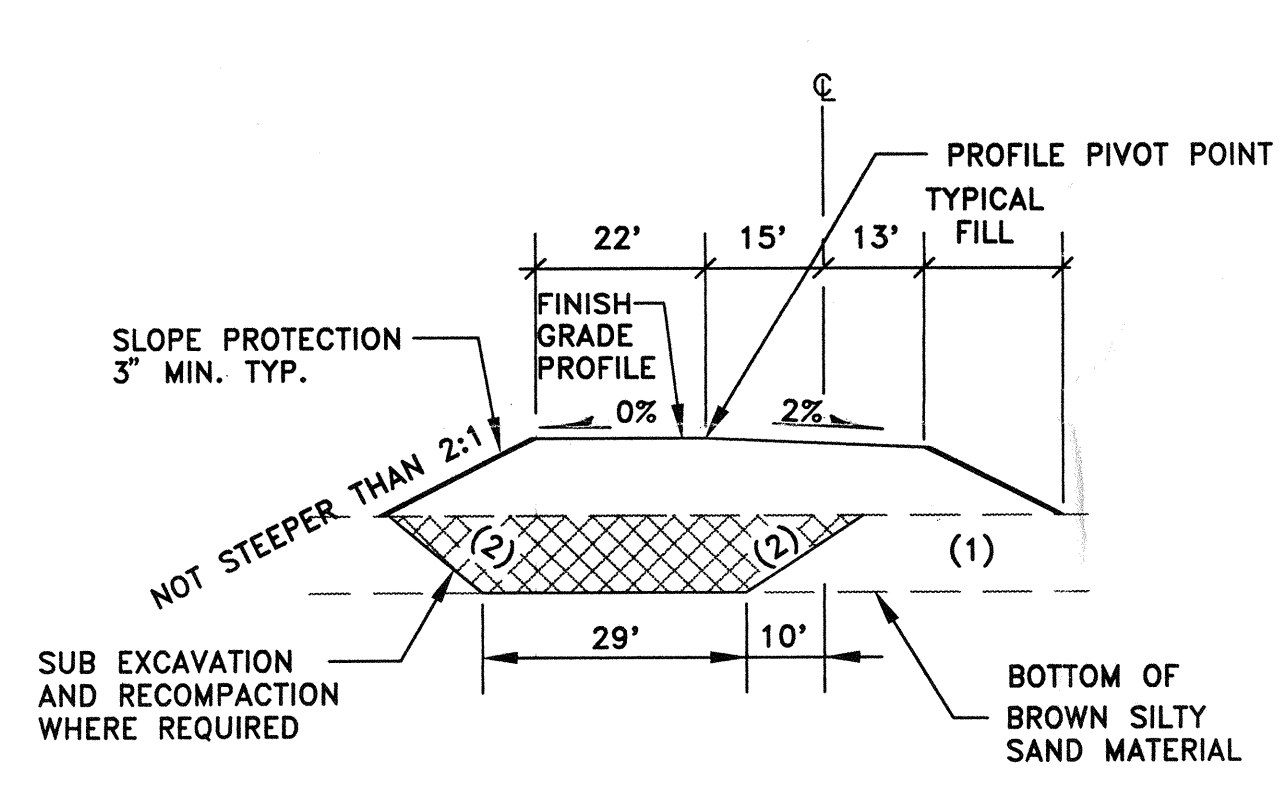
**TYPICAL CUT SECTION AT MID AND END STATIONS**  
 STA. 74+00 TO 75+00 AND STA. 77+00 TO 78+00  
 STA. 139+00 TO 140+00



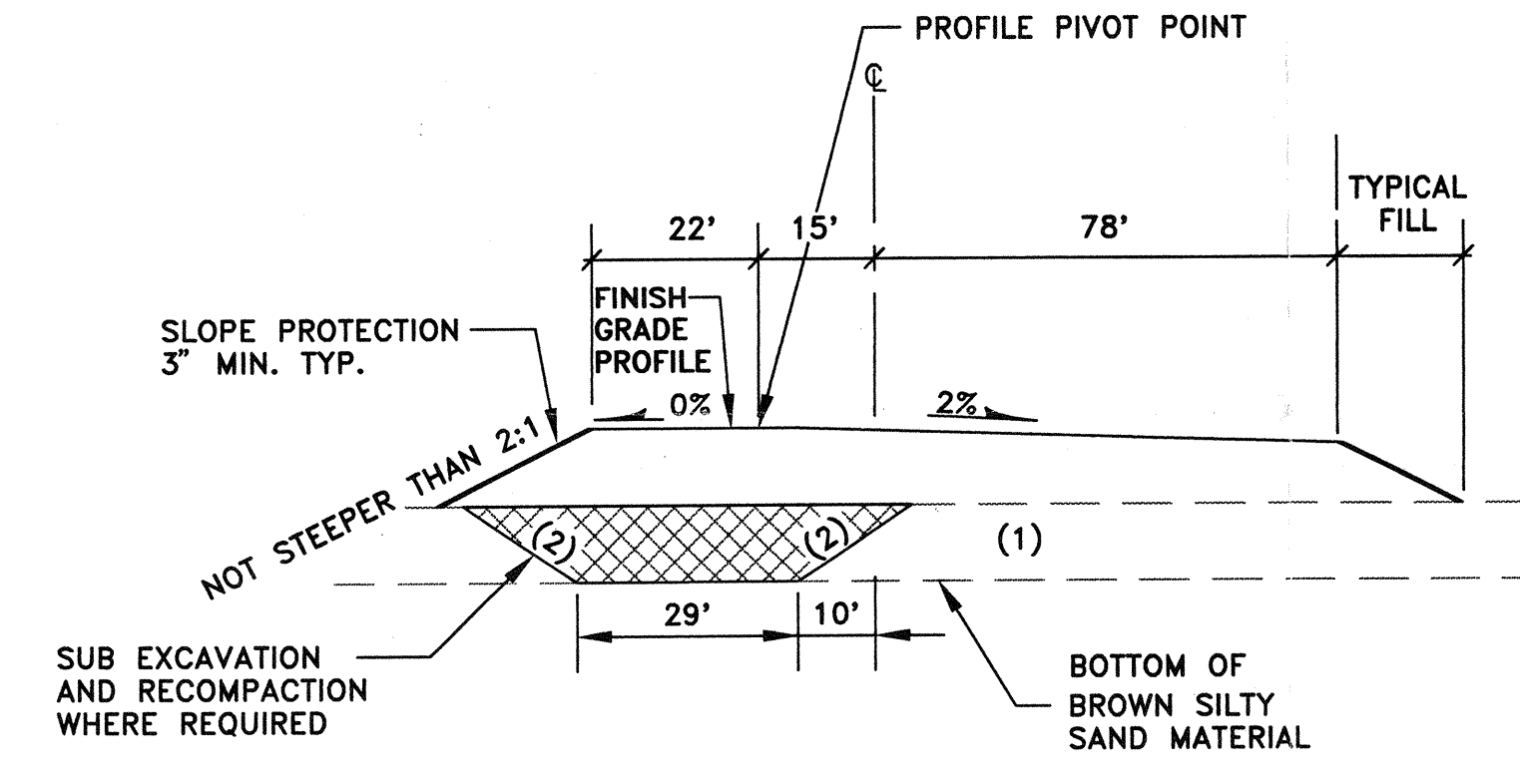
**TYPICAL CUT SECTION AT MID AND END STATIONS**  
 STA. 75+00 TO STA. 77+00  
 STA. 140+00 TO 143+00



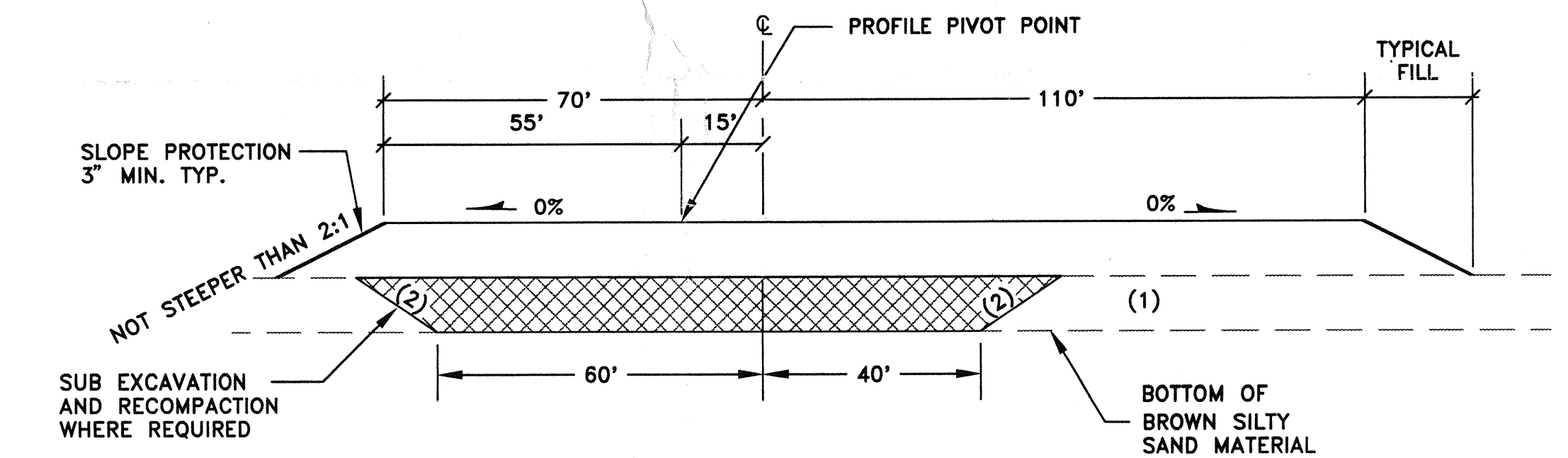
**TYPICAL FILL SECTION AT MID AND END STATIONS**  
 STA. 74+00 TO STA. 75+00 & STA. 77+00 TO STA. 78+00  
 STA. 139+00 TO 140+00



**TYPICAL FILL SECTION ALONG ARM**  
 STA. NW 16+50 TO 42+45  
 STA. NW 43+55 TO 74+00  
 STA. NW 78+00 TO 107+95  
 STA. NW 109+05 TO 139+00  
  
 STA. SW 16+25 TO 42+45  
 STA. SW 43+55 TO 74+00  
 STA. SW 78+00 TO 107+95  
 STA. SW 109+05 TO 139+00

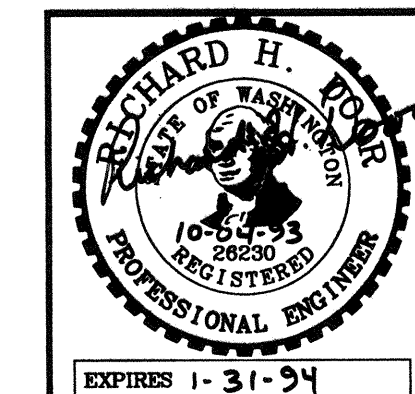


**TYPICAL FILL SECTION AT TURNAROUNDS**  
 STA. 42+45 TO 43+55  
 STA. 107+95 TO 109+05



**TYPICAL FILL SECTION AT MID AND END STATIONS**  
 STA. 75+00 TO 77+00  
 STA. 140+00 TO 143+00

NOTES: SW ARM IS SYMMETRICAL ABOUT C  
 (1) 8 FT. MAXIMUM DEPTH OR TO BOTTOM OF BROWN SILTY SAND MATERIAL AS DETERMINED BY ENGINEER  
 (2) NOT STEEPER THAN 1 1/2:1



LIGO ROUGH GRADING - HANFORD SITE  
**TYPICAL SECTIONS**  
 CALIFORNIA INSTITUTE OF TECHNOLOGY

**JUB**  
 Engineers Surveyors Planners

J-U-B ENGINEERS, INC.  
 Engineers Surveyors Planners  
 KENNEWICK, WASHINGTON

DES. RHD	DR. GLB	CK. CAL	SHEET 2 OF 13
DATE: SEPTEMBER 28, 1993		DWG. NO. 736-02	

C:\12736\736-02 Fr1 Oct 1 19:45:27 1993

L140-0980039-00-D