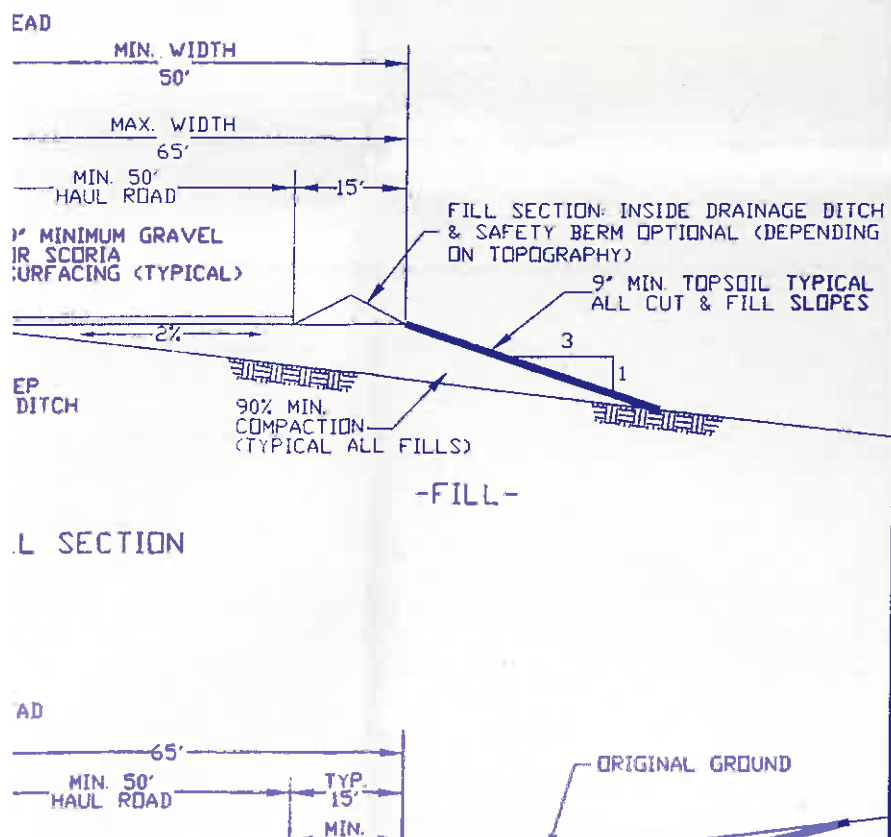


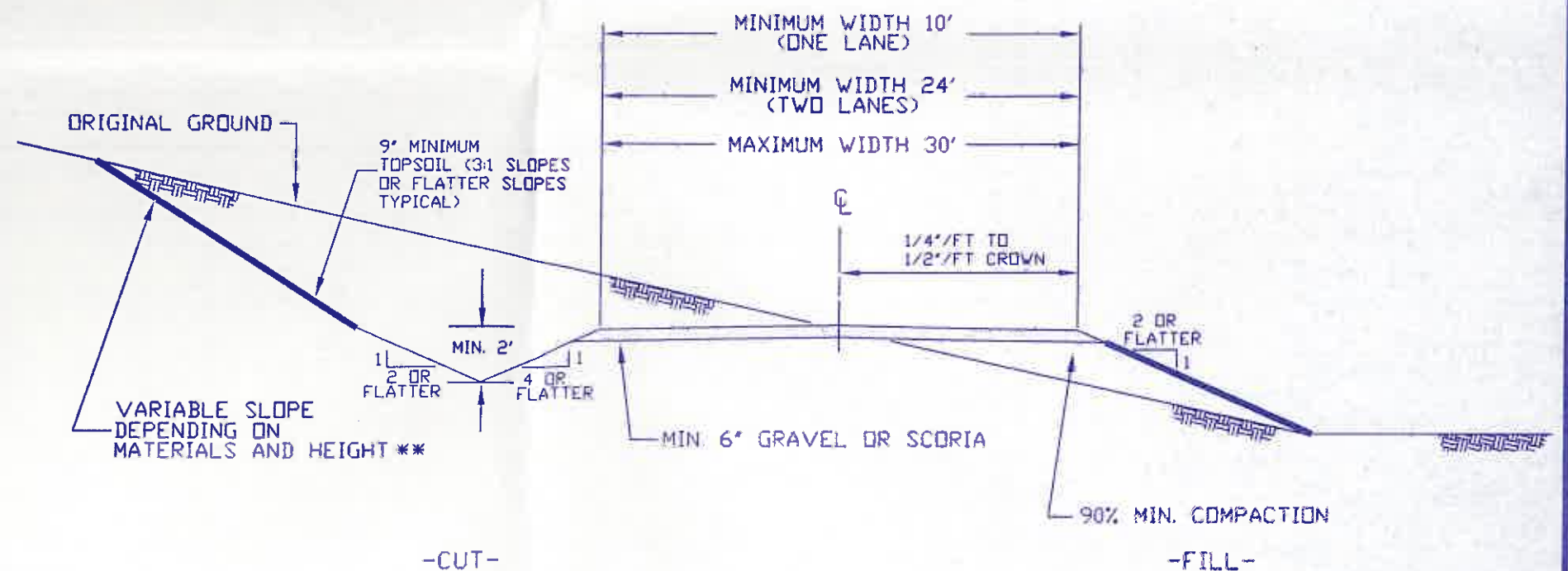
AD #2 CROSS-SECTION

(EQUIPMENT, AND DRAGLINE DEADHEADING)

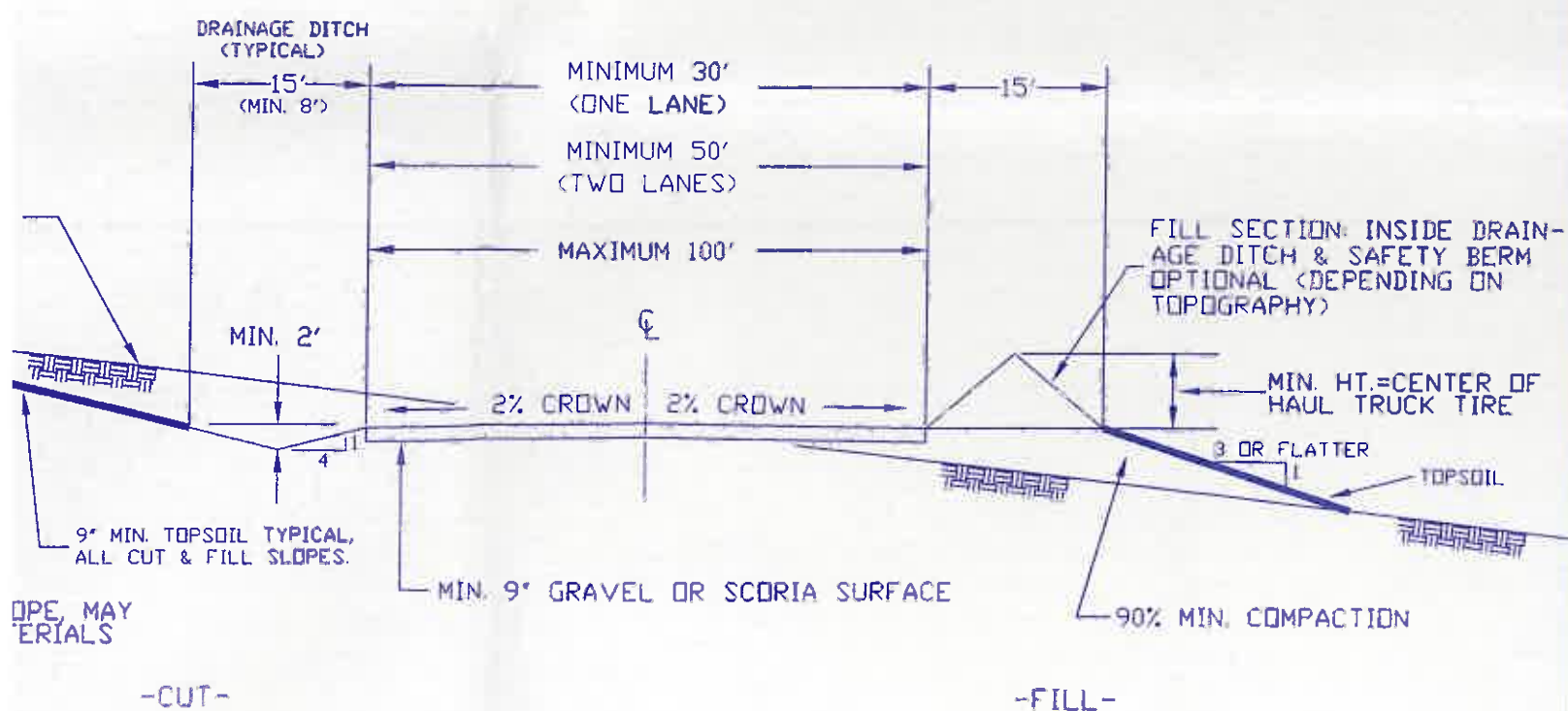


PRIMARY ROAD #3 TYPICAL PRIMARY ACCESS ROAD CROSS-SECTION

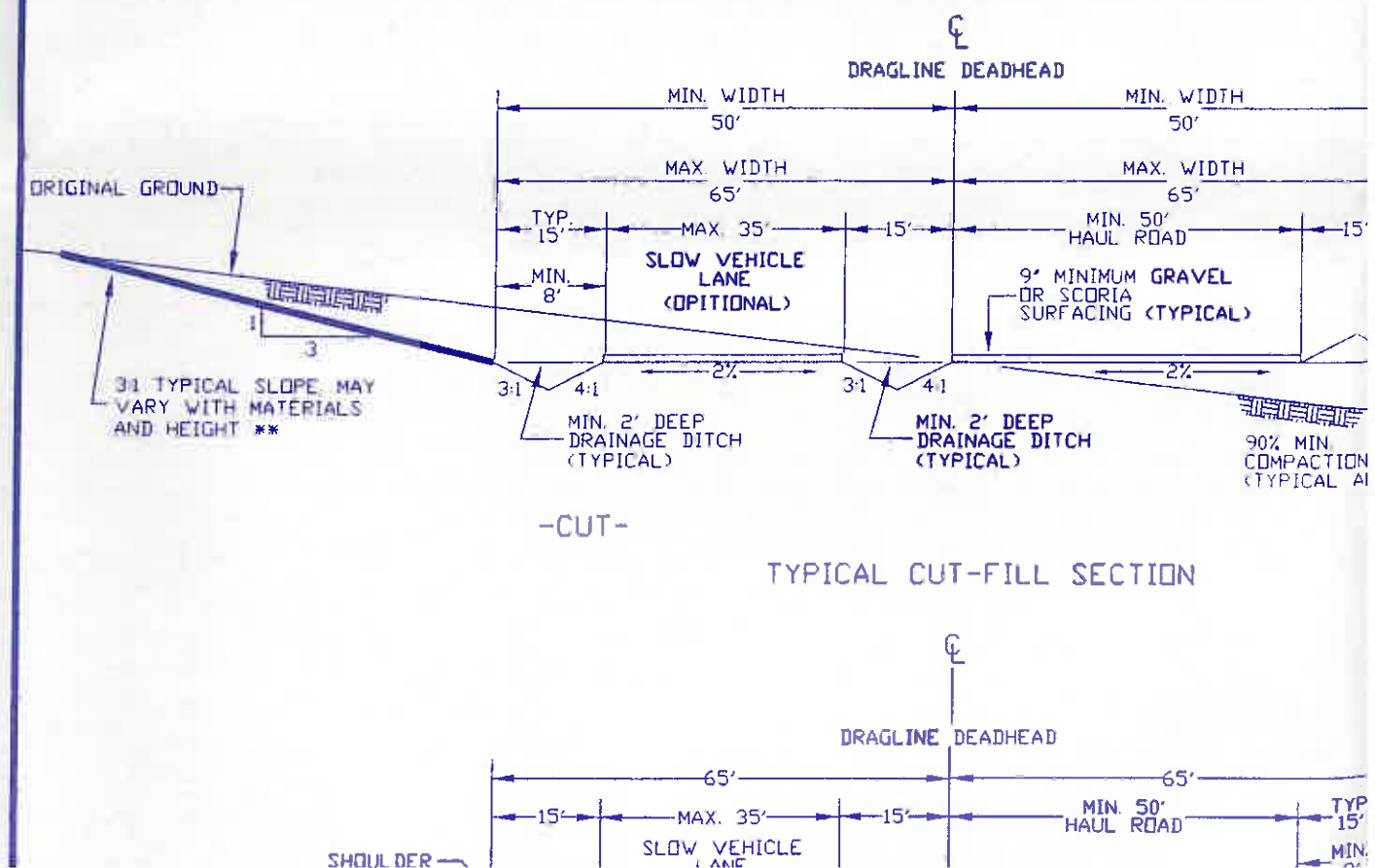
(MAIN USE: MINE VEHICLE ACCESS ROAD, PRIMARILY ON-HIGHWAY TYPE VEHICLES)
 (TEMPORARY ROADS USED LONGER THAN SIX MONTHS AND PERMANENT PRIMARY ROADS.)



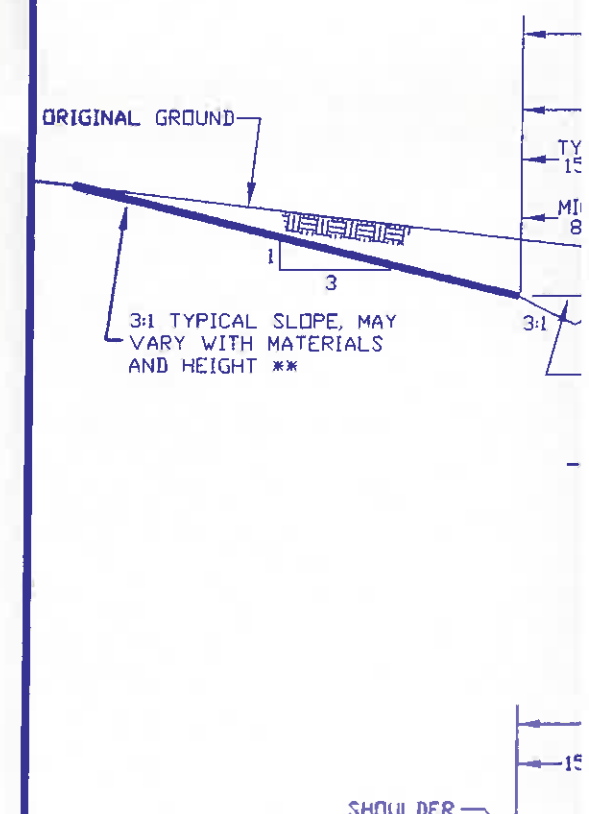
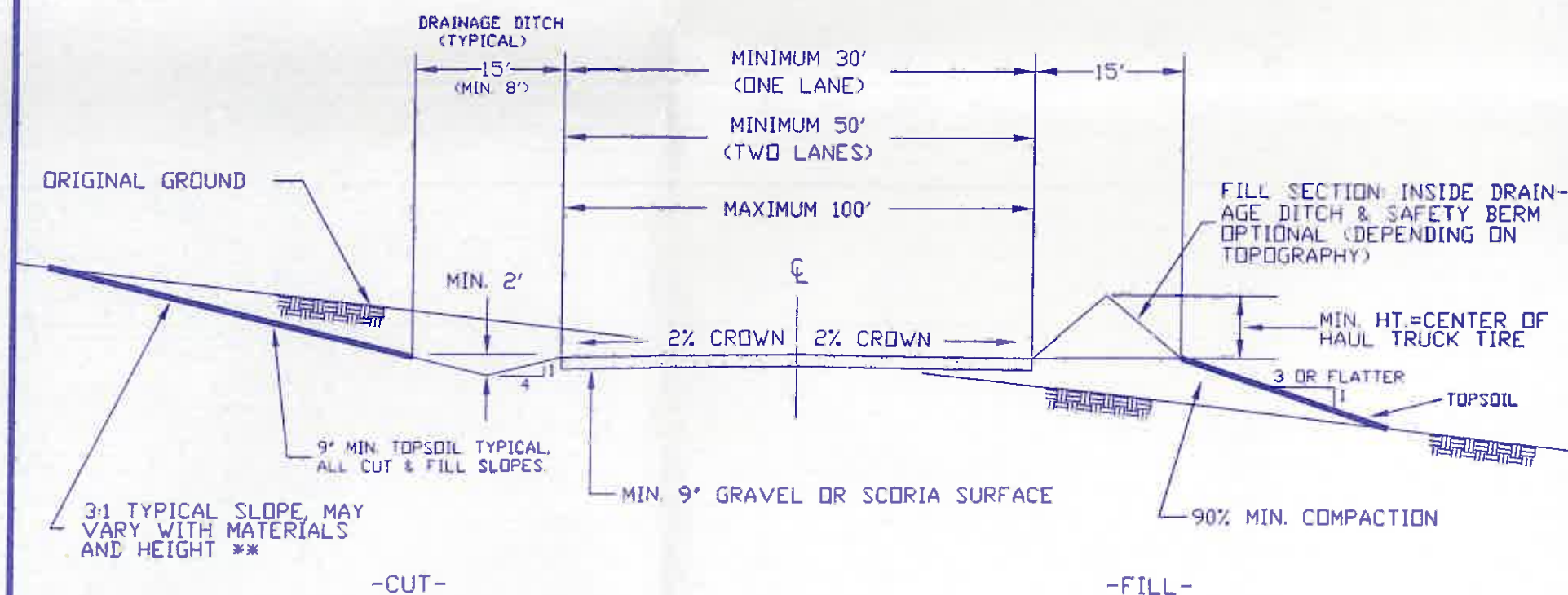
PRIMARY ROAD #1
TYPICAL HAUL ROAD CROSS-SECTION
(MAIN USE: COAL AND SPOIL HAULAGE & MINE EQUIPMENT TRAFFIC)

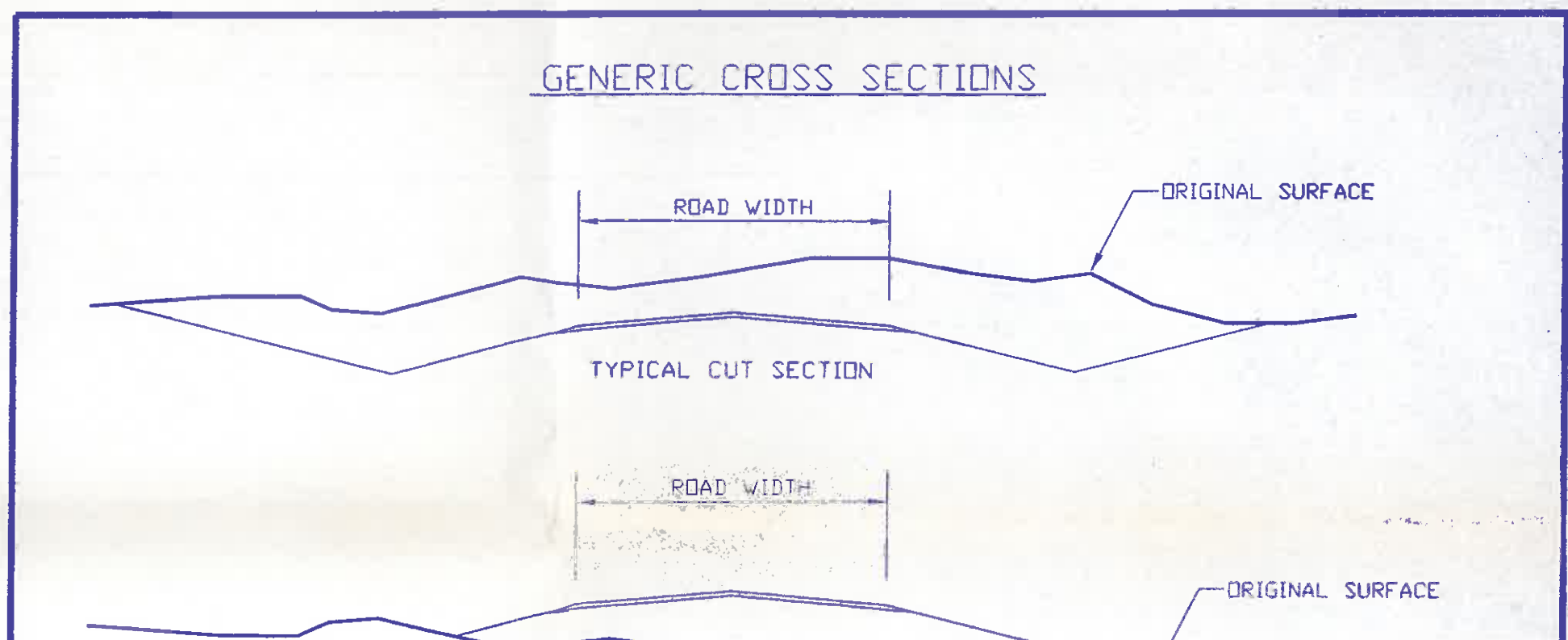
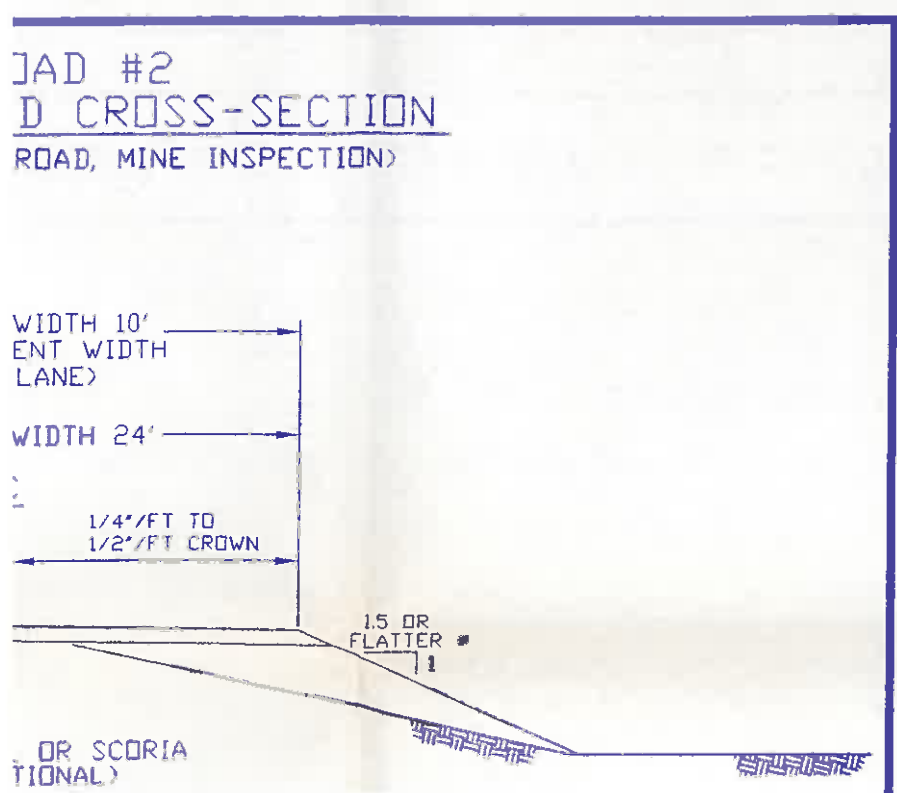
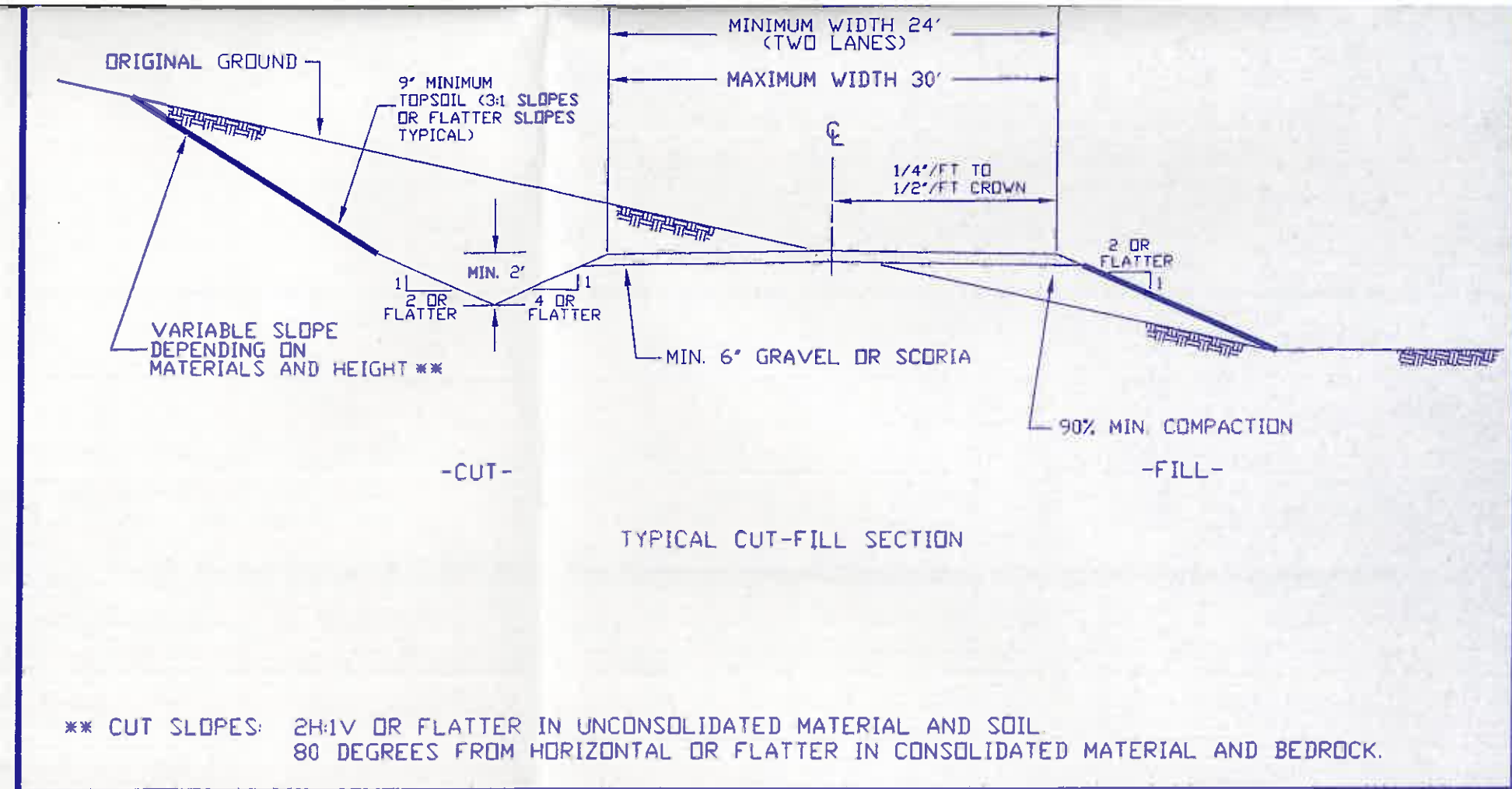
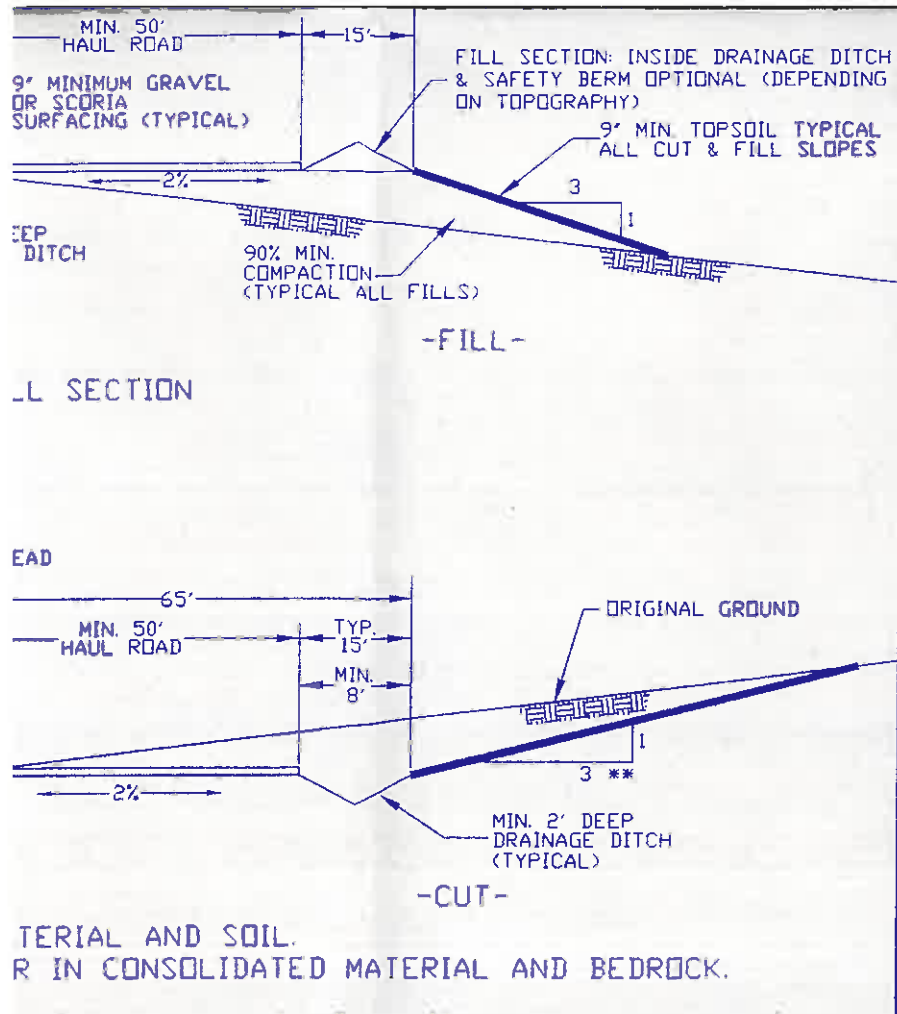


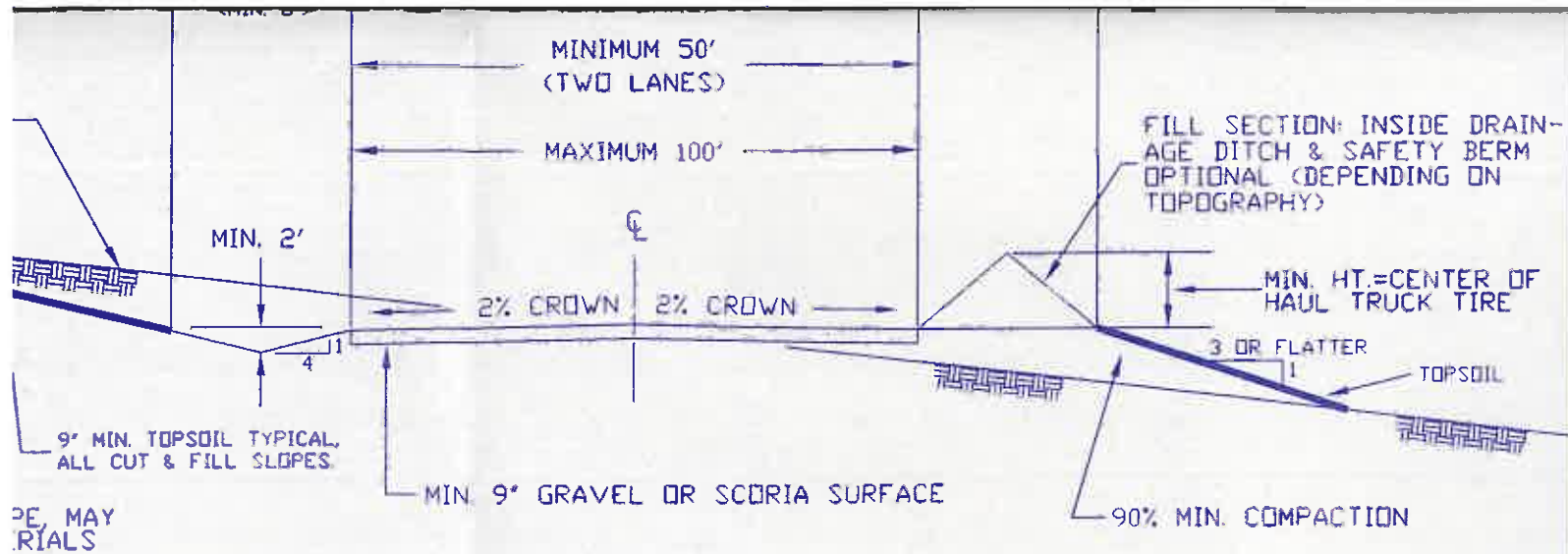
PRIMARY ROAD #2
TYPICAL HAUL ROAD CROSS-SECTION
(MAIN USE: COAL AND SPOIL HAULAGE, MINE EQUIPMENT, AND DRAGLINE)



PRIMARY ROAD #1 TYPICAL HAUL ROAD CROSS-SECTION (MAIN USE: COAL AND SPOIL HAULAGE & MINE EQUIPMENT TRAFFIC)





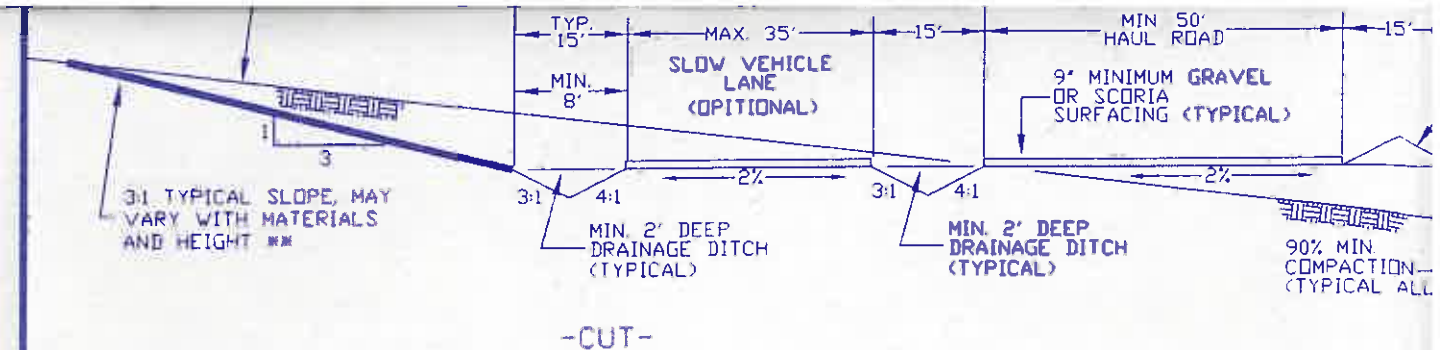


-CUT-

-FILL-

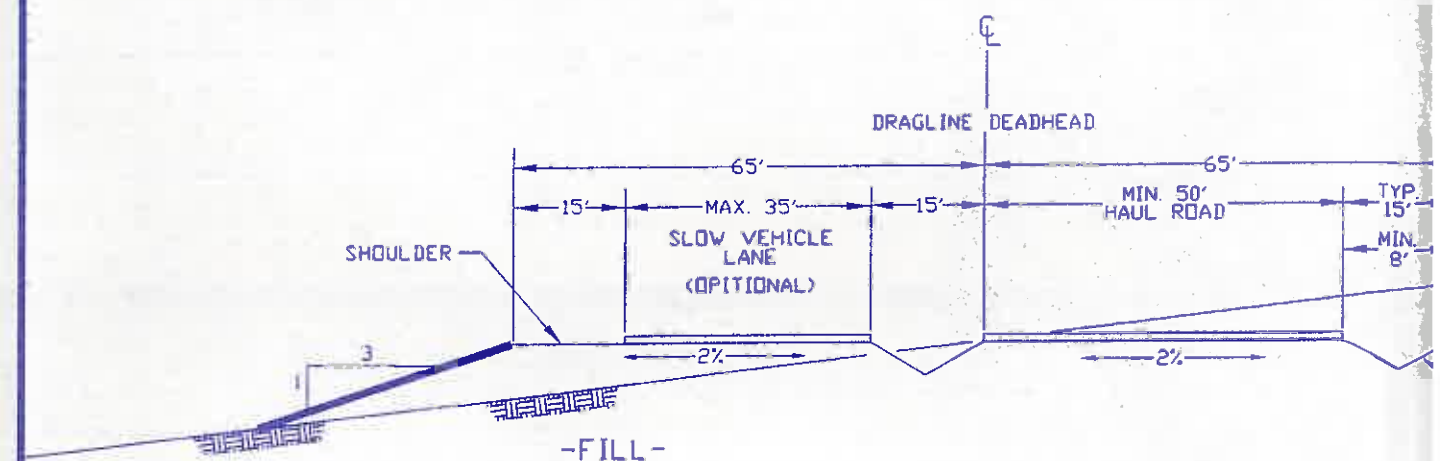
TYPICAL CUT-FILL SECTION

3H:1V OR FLATTER IN UNCONSOLIDATED MATERIAL AND SOIL.
80 DEGREES FROM HORIZONTAL OR FLATTER IN CONSOLIDATED MATERIAL AND BEDROCK.



-CUT-

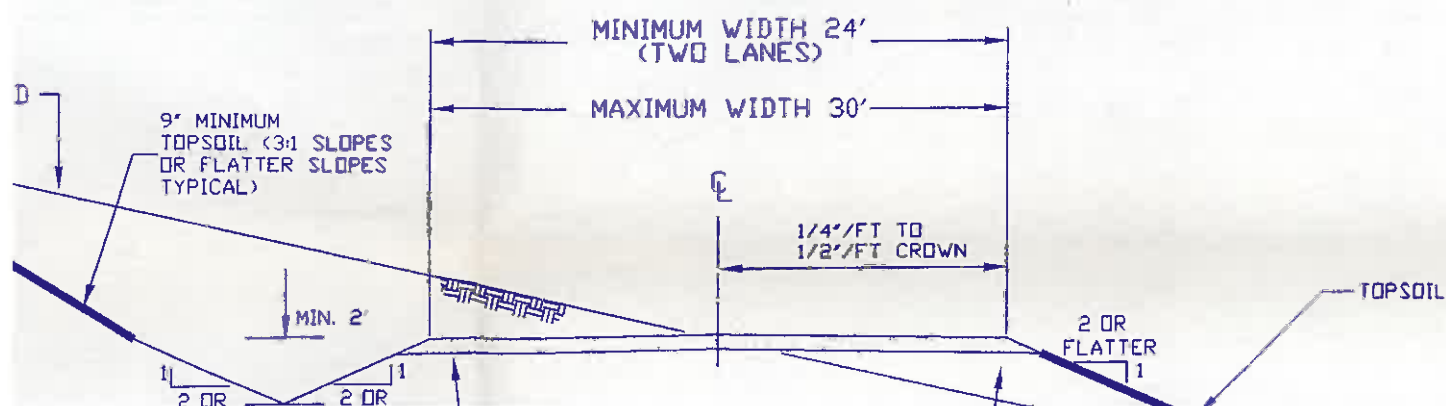
TYPICAL CUT-FILL SECTION



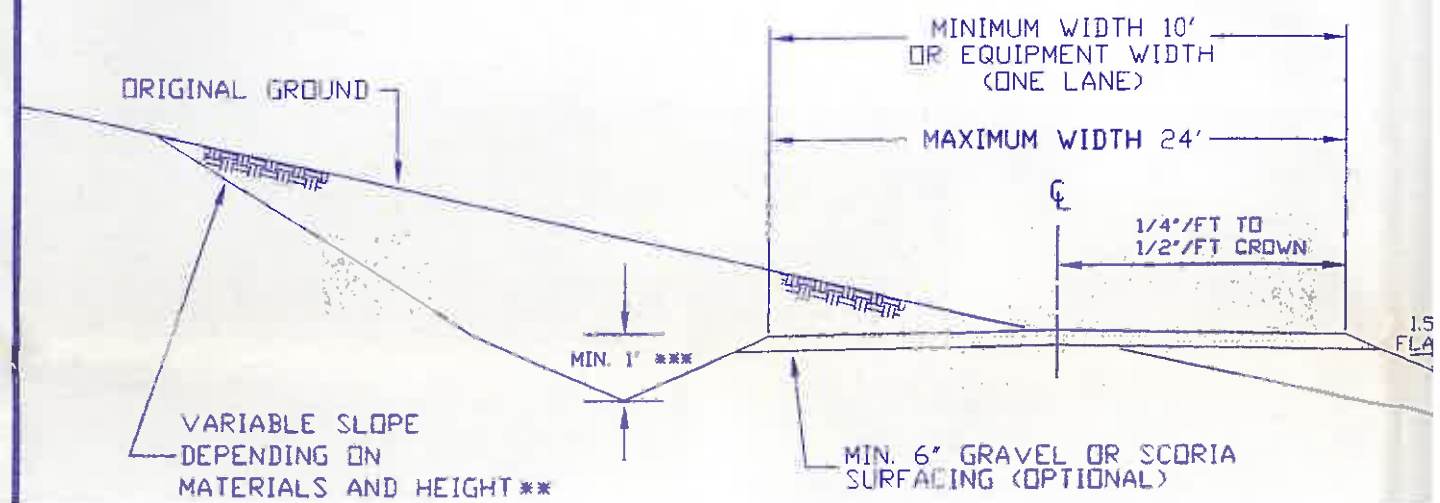
-FILL-

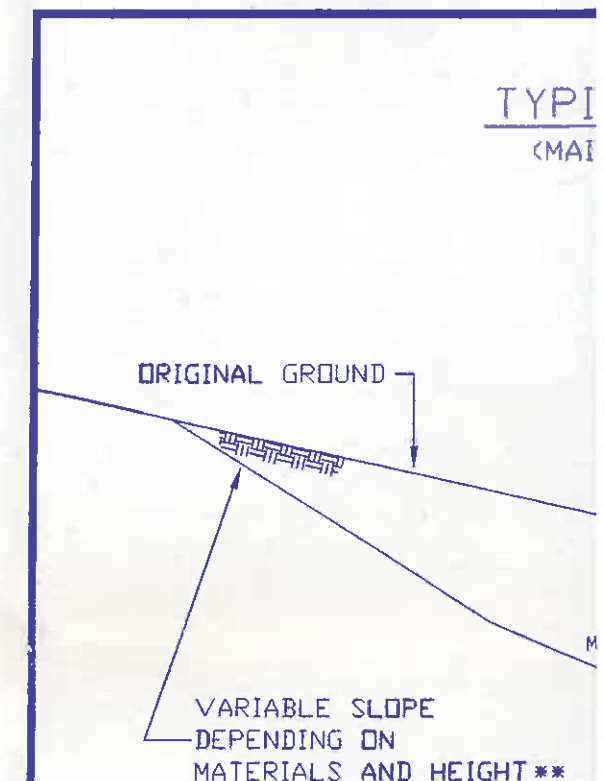
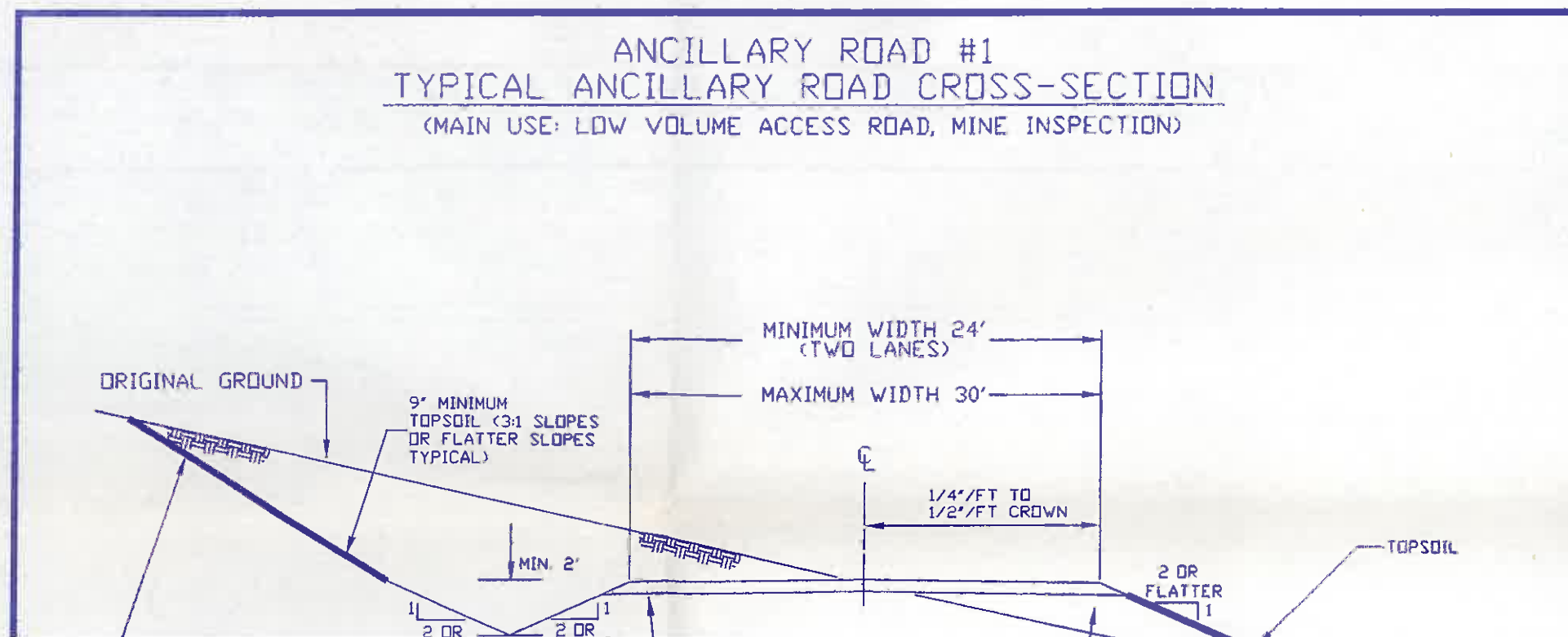
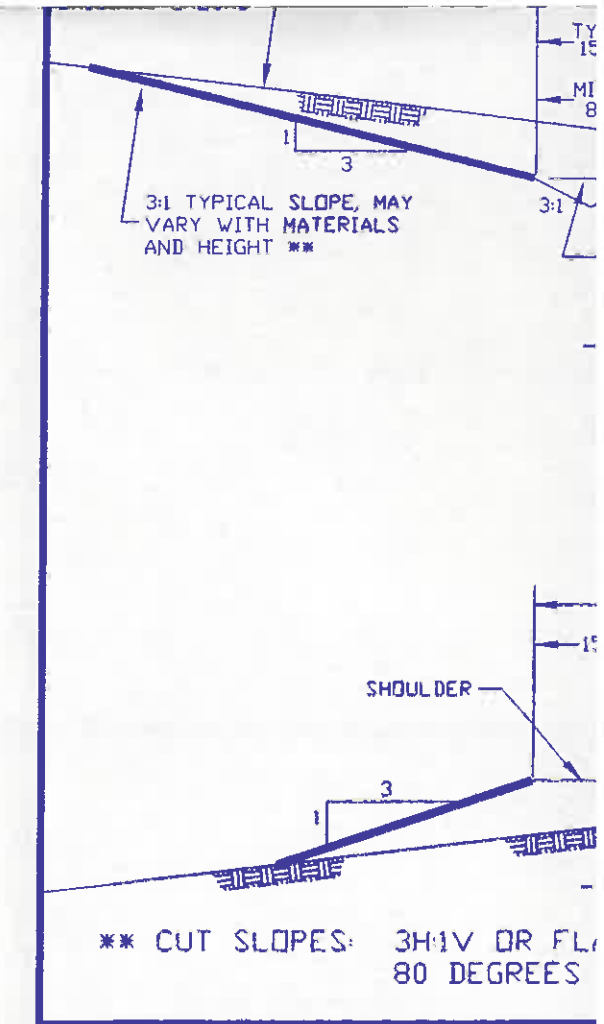
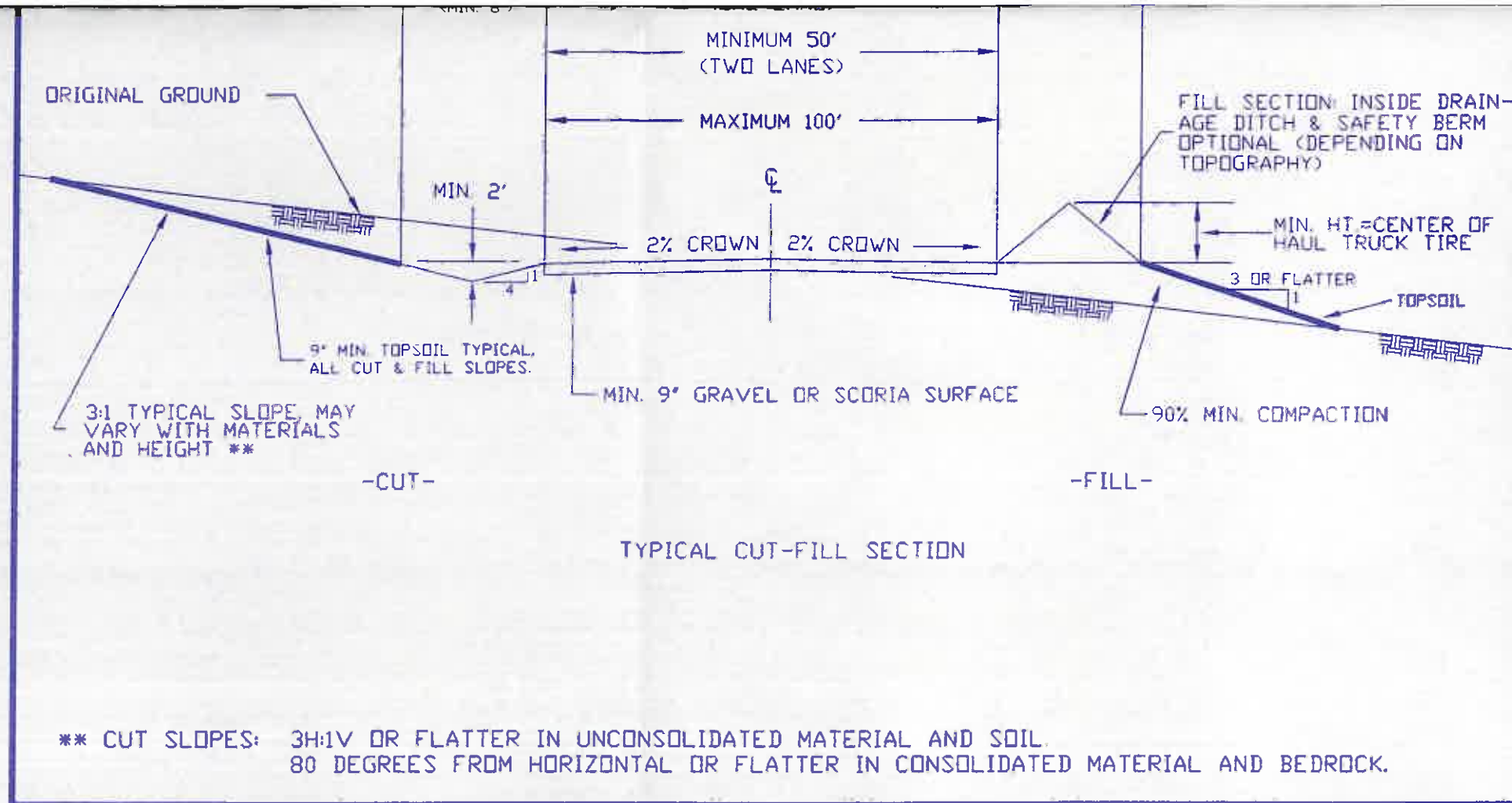
** CUT SLOPES: 3H:1V OR FLATTER IN UNCONSOLIDATED MATERIAL AND SOIL.
80 DEGREES FROM HORIZONTAL OR FLATTER IN CONSOLIDATED MATERIAL AND BEDROCK.

ANCILLARY ROAD #1
TYPICAL ANCILLARY ROAD CROSS-SECTION
(MAIN USE: LOW VOLUME ACCESS ROAD, MINE INSPECTION)

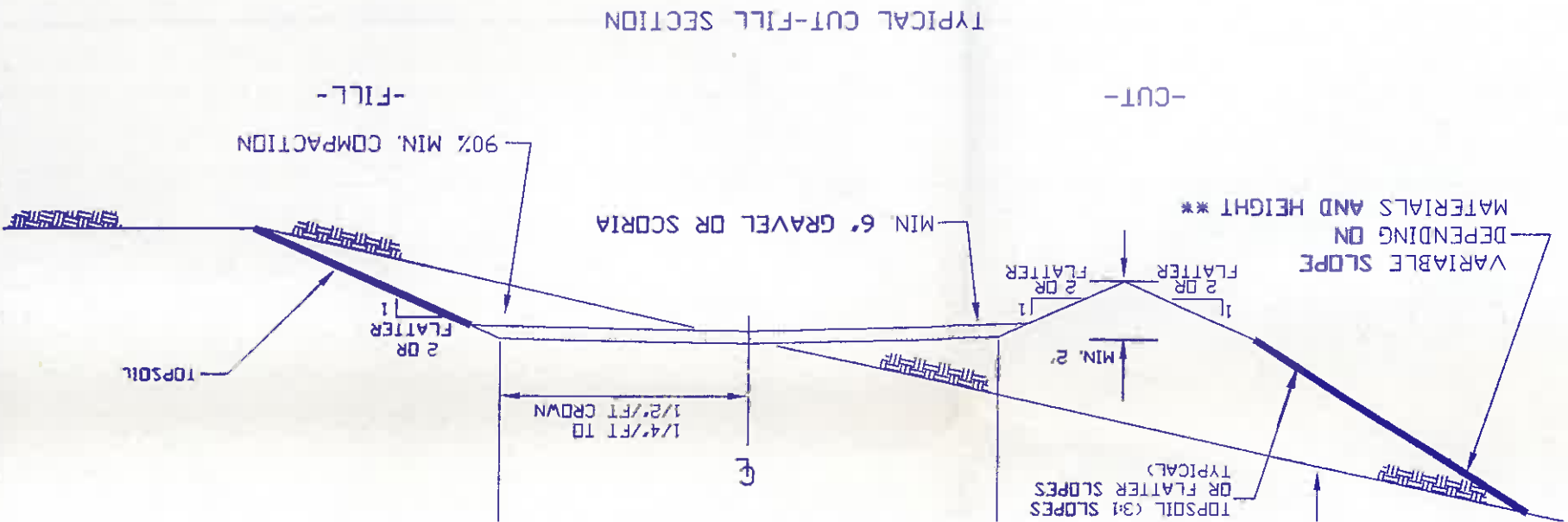


ANCILLARY ROAD #2
TYPICAL ANCILLARY ROAD CROSS-SECTION
(MAIN USE: LOW VOLUME ACCESS ROAD, MINE INSPECTION)





*** CUT SLOPES: 2H:1V OR FLATTER IN UNCONSOLIDATED MATERIAL AND SOIL.
80 DEGREES FROM HORIZONTAL OR FLATTER IN CONSOLIDATED MATERIAL AND BEDROCK.



NOTES

* 2:1 OR FLATTER FOR ALL F
** CUT SLOPES: 2H:1V OR FL
80 DEGREES

*** TYPICALLY A MOTOR GRA
-GRADE ALL DITCHES TO
-PROVIDE AN INTERCEPT
GRADE CROSSING FOR U

VARIABLE SLOPE
DEPENDING ON
MATERIALS AND HEIGHT**

NOTE: 1) See Volume 1, Chapter 6, Transportation Facilities and Attachments M, N, O, P, and Q for additional information and speci
See Volume 7, Chapter 6, Attachment N for Geotechnical Inspection and Slope Stability Report. See Volume 28, Chapter
typical erosion and sediment control measures.
2) Dimensions and slopes shown above are approximate and will vary based on local site conditions and maintenance practices.
3) Primary roads are any roads frequently used for access or other purposes for a period in excess of six months.
4) All temporary roads no longer required to support mining or reclamation activities will be reclaimed in accordance with

Additional information and specifications.
 t. See Volume 28, Chapter 26, Surface Stabilization for
 is and maintenance practices.
 n excess of six months.
 claimed in accordance with the approved reclamation plan.



DEC 15 1994
 Date

ENGINEER'S CERTIFICATION

REVISIONS		
CHK'D	DATE	DESCR

