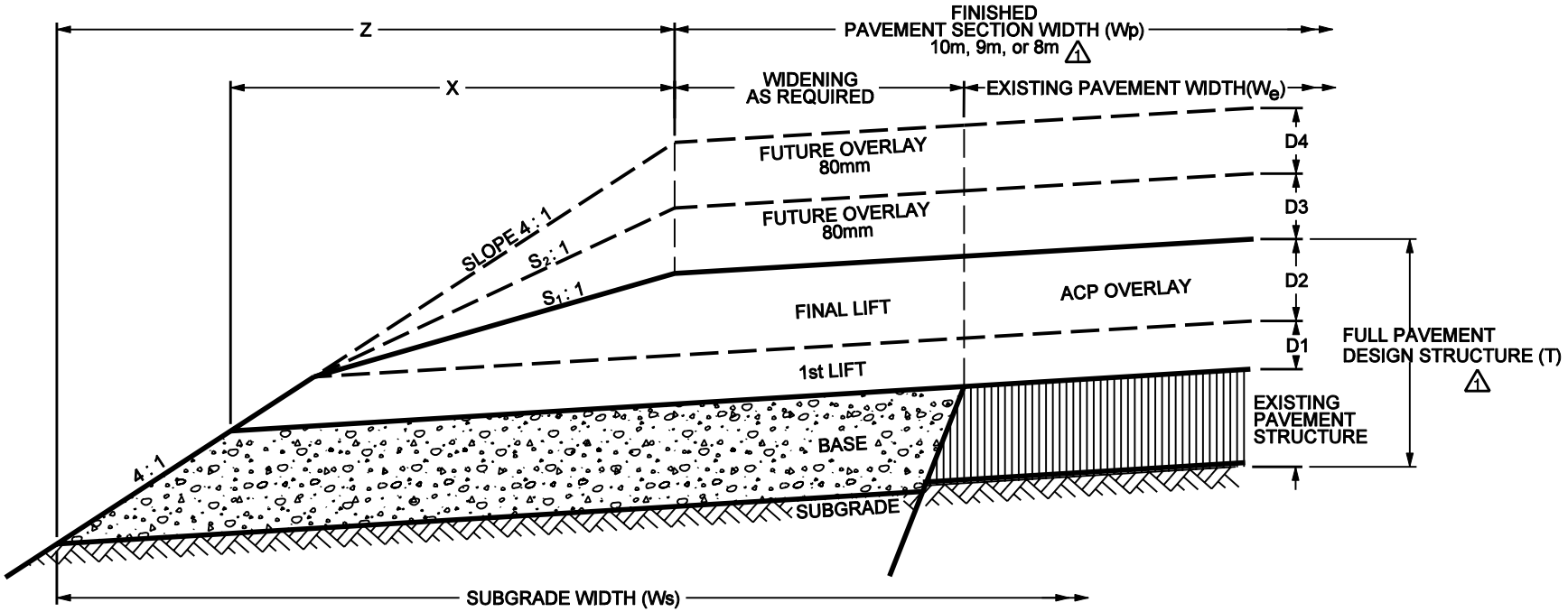

"WIDENING AND OVERLAY"

SURFACING DIMENSIONS

$Ws = Wp+2Z$

$Z = 4(T+D_3+D_4)$

$X = 4(D_1+D_2+D_3+ D_4)$ 1

$S_1 = (X-4D_1)/D_2$

$S_2 = (X-4D_1)/(D_2+D_3)$

In cases of a single lift overlay, $D_2=0$

EXAMPLE

IF $D_1 = 30mm$

$D_2 = 50mm$

$D_3 = D_4 = 80mm$

SUPERSEDED

THEN $S_1 = \dfrac{4(30+50+80+80) - 4(30)}{50} = 16.8$

$S_2 = \dfrac{4(30+50+80+80) - 4(30)}{(50 + 80)} = 6.5$

No.	REVISIONS	BY	DATE
3			
2			
1	Correction to formulas and note added	P.M.	01-03

Approved:

Executive Director,
Technical Standards Branch

Date: JULY, 2002

Alberta TRANSPORTATION

PAVEMENT SIDESLOPE AT VARIOUS STAGES OF "WIDENING" TYPE PROJECTS FOR RAU/RCU 210, RAU/RCU 209 AND RCU 208

Prepared By: M.T.	Checked By: V.K.G	Scale: N.T.S.	Dwg No.: CB6-3.50M7