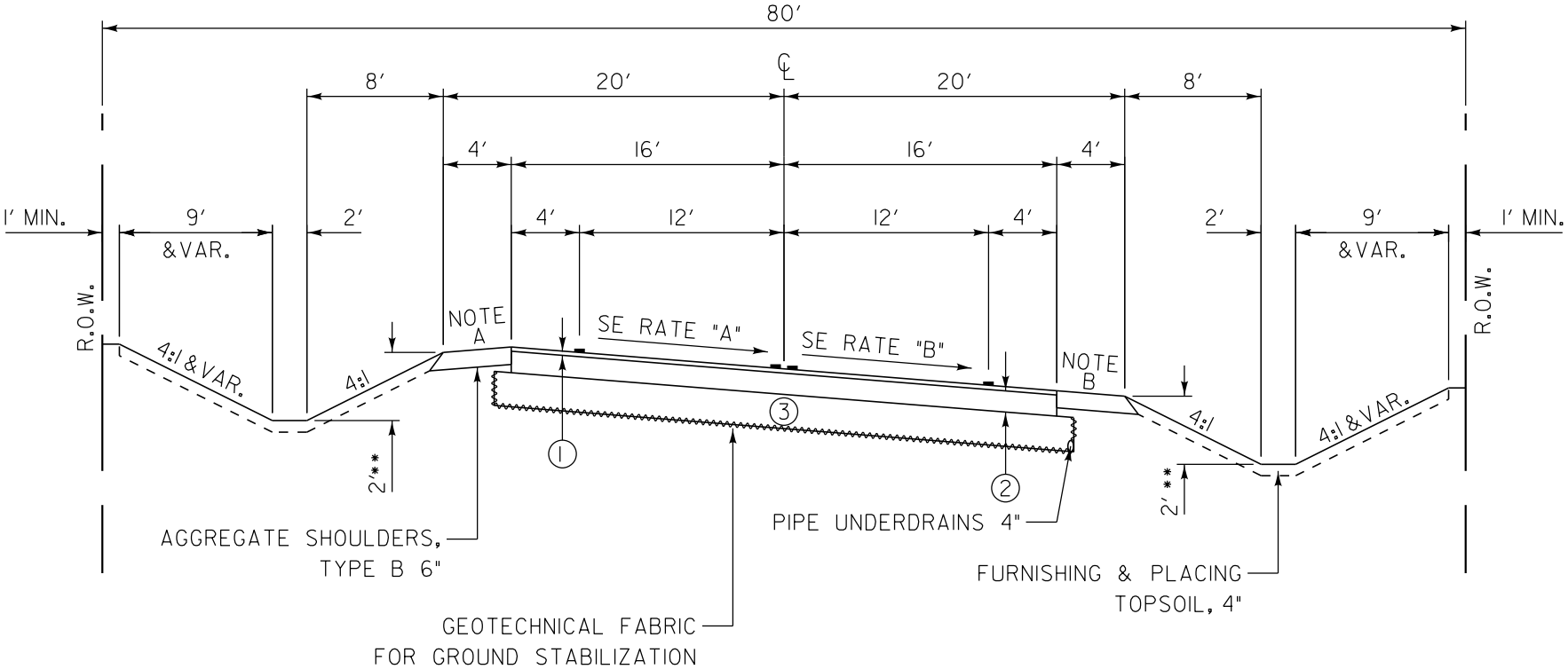

DESIGN NOTES:

** Need SS or PU when ditch is less than 18" deep. SS in ditch, PU in shoulder.

*** Pavement materials & thicknesses are for an average county road and will vary with each project's pavement design.

NOTE A:
The maximum rollover rate at the edge of the surface course is 8% for new roads and reconstructions

Sign Convention:
slope towards center is positive;
slope away from centerline is negative

Using that limit the high side of the gravel shoulder slope = -4%
If S.E. rate a is less than or equal to +4% or slope = [(S.E. rate a)-8%]
If S.E. rate a is greater than +4%.

NOTE B:
The low side gravel shoulder slope = S.E. rate b or -4%, whichever has the highest absolute value.

1. 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 ***
2. 10" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 ***
3. AGGREGATE SUBGRADE, 12"

SCALE:
HORIZONTAL 1" = 10'
VERTICAL 1" = 5'

OPEN DITCH SECTION

REVISIONS	DATE
Modified Agg./Binder Shoulder Ends	3/1/2011
Revised Type A to Type B Aggregate	12/20/12

LakeCounty
Division of Transportation

APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

TYPICAL SUPERELEVATED SECTION - NEW ROADS and RECONSTRUCTION PROJECTS

LC4041