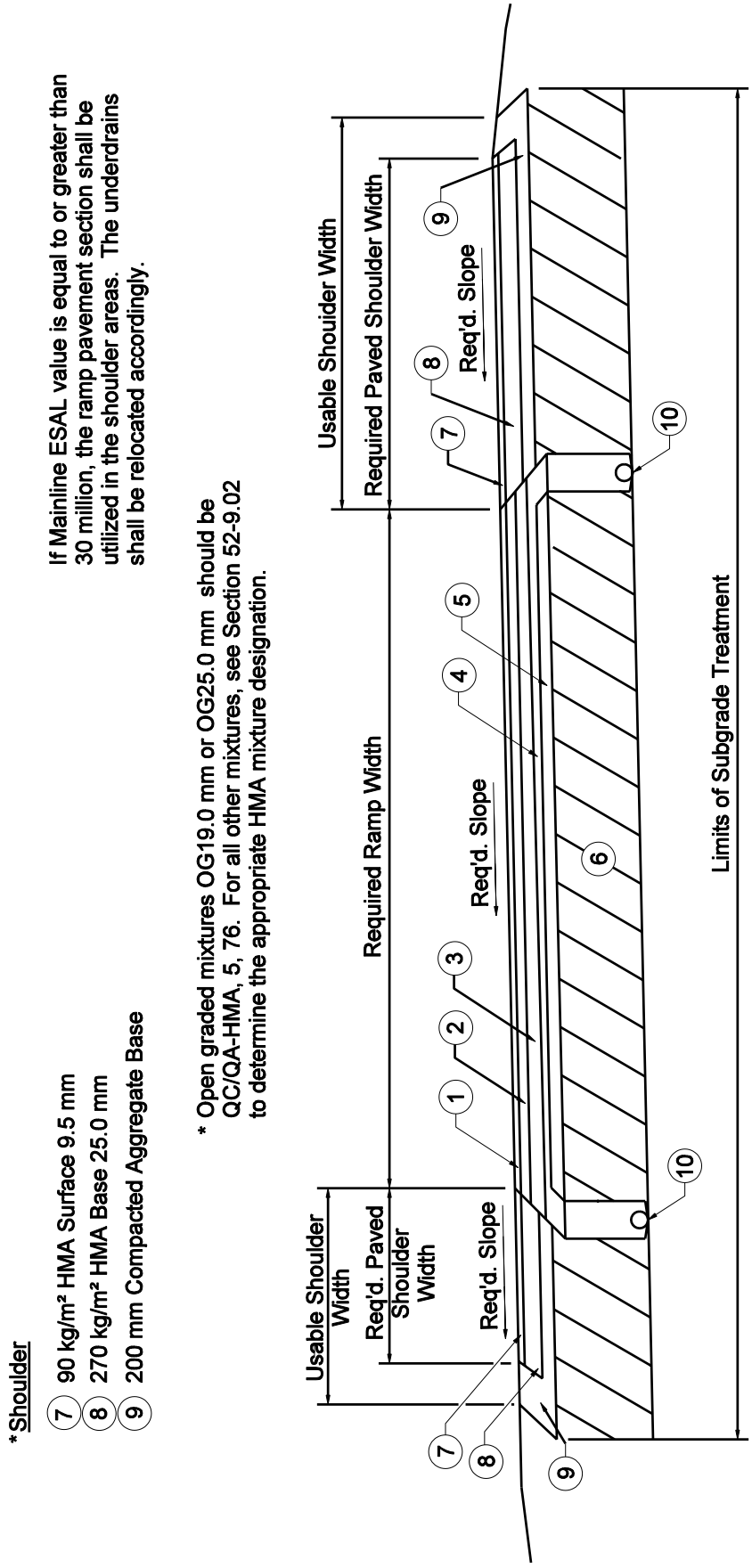


*Shoulder

7 90 kg/m² HMA Surface 9.5 mm
8 270 kg/m² HMA Base 25.0 mm
9 200 mm Compacted Aggregate Base

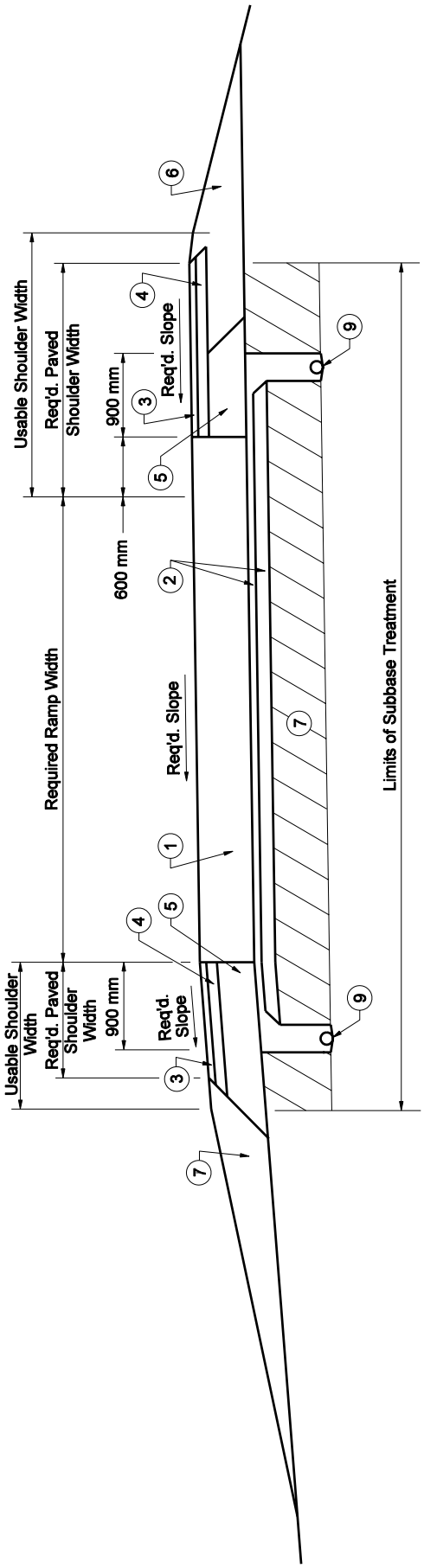
If Mainline ESAL value is equal to or greater than 30 million, the ramp pavement section shall be utilized in the shoulder areas. The underdrains shall be relocated accordingly.

* Open graded mixtures OG19.0 mm or OG25.0 mm should be QC/QA-HMA, 5, 76. For all other mixtures, see Section 52-9.02 to determine the appropriate HMA mixture designation.

* Ramp

1 90 kg/m² HMA Surface 9.5 mm
2 150 kg/m² HMA Intermediate 19.0 mm
3 180 kg/m² QC/QA HMA Base 19.0 mm or HMA Intermediate 19.0 mm
4 140 kg/m² Minimum HMA Inteermediate OG19.0 mm
5 180 kg/m² QC/QA HMA Base 19.0 mm or HMA Intermediate 19.0 mm
6 Subgrade Treatment
10 Pipe, Type 4, Circular, 150 mm

FULL-DEPTH HMA RAMP
Figure 52-13S



Ramp

1. PCCP
2. Subbase for PCCP (75 mm Coarse Aggregate, No. 8 on 150 mm Coarse Aggregate, No. 53)

* Shoulder

** 3. 90 kg/m² HMA Surface 9.5 mm
** 4. 180 kg/m² HMA Intermediate 19.0 mm
** 5. HMA Base 25.0 mm
6. Variable Depth Compacted Aggregate Base
7. Compacted Aggregate Base
8. Subgrade Treatment
9. Pipe, Type 4, Circular, 150 mm

* If ramp ESAL value is equal to or greater than 30 million, the ramp pavement section should be utilized in the shoulder areas. See Figure 52-13F for underdrain locations and compacted aggregate wedge details.

** See Section 52-9.02 to determine the appropriate HMA mixture designation.

PCCP RAMP
Figure 52-13T