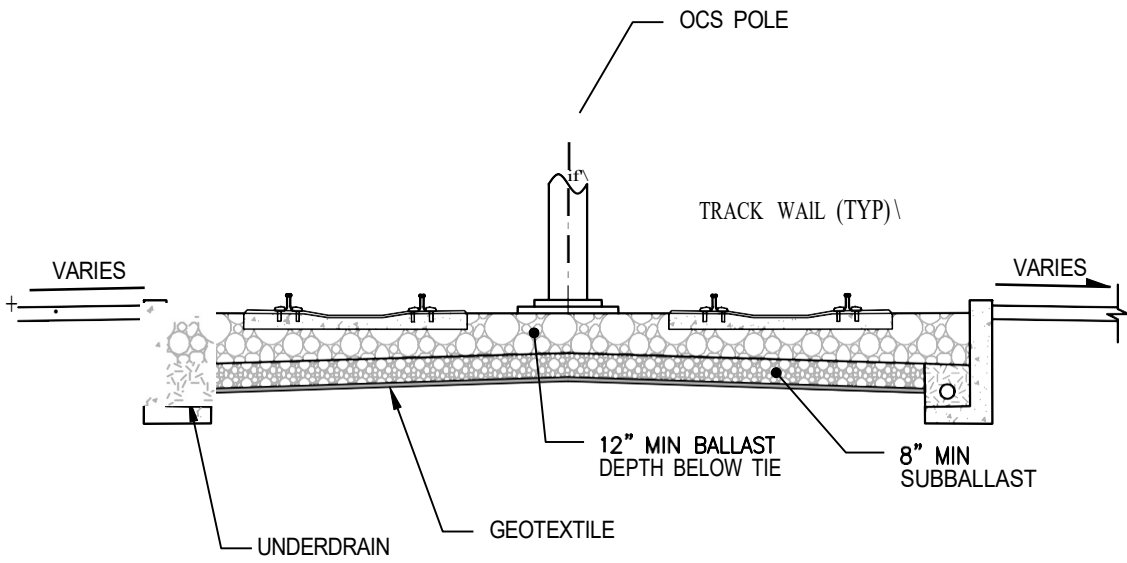


Figure T-5.X: Typical Ballast Section



SECTION A-A

NOT TO SCALE

DRAFT IN
DEVELOPMENT

Typical Ballast Section

Figure T-5.X: At-Grade Ballast

WSDOT Manual Gradation Specs - Permeable Ballast

9-03.9(2) Permeable Ballast

Permeable ballast shall meet the requirements of Section 9-03.9(1) for ballast except for the following special requirements.

The grading and quality requirements are:

Sieve Size	Percent Passing
2½"	99-100
2"	65-100
¾"	40-80
No. 4	5 max.
No. 100	0-2
% Fracture	75 min.

- Subballast/Crushed Surfacing Base Course (9-03.9(3))

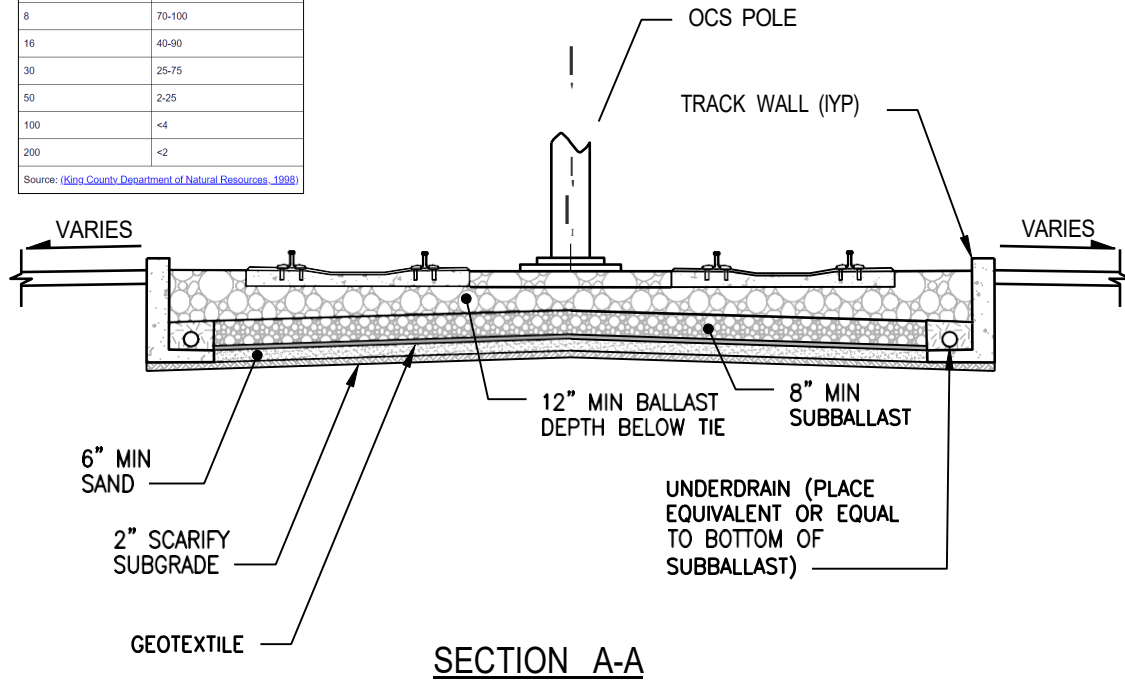
Sieve Size	Base Course	Top Course and Keystone
	Percent Passing	
1¼"	99-100	
1"	80-100	
¾"		99-100
½"	50-80	80-100
No. 4	25-45	46-66
No. 40	3-18	8-24
No. 200	7.5 max.	10.0 max.
% Fracture	75 min.	75 min.
Sand Equivalent	40 min.	40 min.

Ecology Manual Gradation Specs - Sand

Table V-6.1: Sand Medium Specification

Sieve Number	Percent Passing
4	95-100
8	70-100
16	40-90
30	25-75
50	2-25
100	<4
200	<2

Source: (King County Department of Natural Resources, 1998)



NOT TO SCALE

At-Grade Ballast

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