



REMOVABLE BOLLARD

FIXED BOLLARD

NOTES

1. TIMBER SHALL BE DOUGLAS FIR, DENSE CONSTRUCTION GRADE, AND SHALL BE PRESSURE TREATED.
2. NUTS, BOLTS, AND WASHERS CONFORM TO ASTM A307.
3. ALL STEEL PIPES SHALL BE GALVANIZED.
4. CONCRETE SHALL BE CLASS C.
5. A HASP MAY BE SUBSTITUTED FOR THE CHAIN UPON APPROVAL BY THE CITY INSPECTOR.
6. PITCH GRADE ON FIXED BOLLARD TO DRAIN AWAY FROM POST.

CITY OF KIRKLAND	
PLAN NO. CK-R.61	
	BOLLARDS