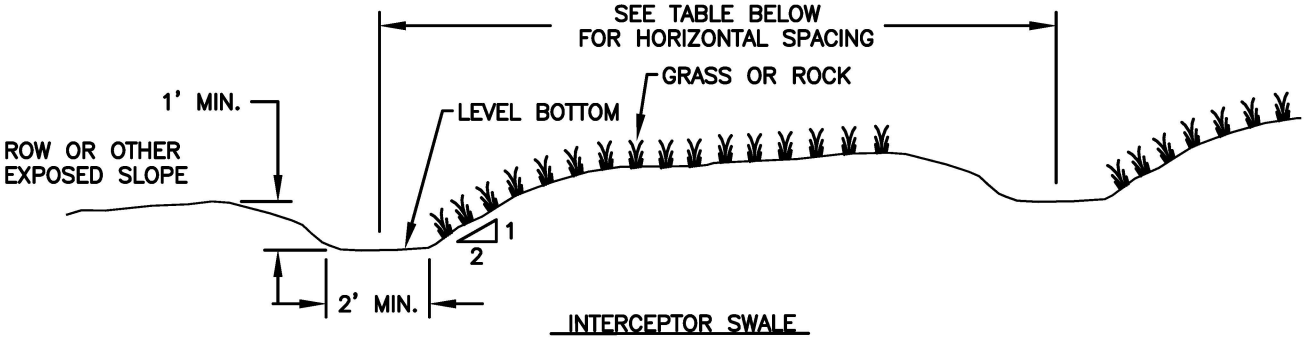
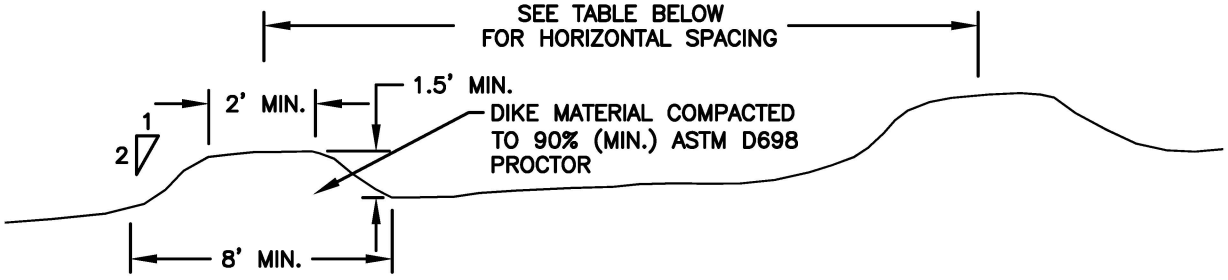


INTERCEPTOR SWALE



INTERCEPTOR DIKE

NOTES:

1. REFER TO TABLES BELOW FOR DESIGN CRITERIA FOR INTERCEPTOR DIKES AND SWALES.
2. FOR SLOPES OF ERODIBLE SOILS STEEPER THAN 2:1 WITH MORE THAN 10 FT. OF VERTICAL RELIEF, CONSTRUCT BENCHES OR SHORTEN DISTANCE BETWEEN DIKES AND SWALES.
3. DISCHARGE THE RUNOFF TO A STABLE CONVEYANCE THAT ROUTES THE SEDIMENT LADEN RUNOFF TO A SEDIMENT TRAP OR POND.
4. MAY NEED MATTING TO PROTECT SEED BED AND CHANNEL FROM EROSION.
5. REFER TO BMP C200 IN VOLUME II OF THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON FOR MORE INFORMATION.

INTERCEPTOR SWALE DESIGN CRITERIA

GRADE	MAX. 5%	POSITIVE DRAINAGE TO OUTLET
HORIZONTAL SPACING	3–5%	300 ft
	5–10%	200 ft
	10–25%	100 ft
	25–50%	50 ft
SLOPE STABILIZATION	TEMPORARILY SEED OR LINE WITH RIPRAP 12" THICK AND PRESS INTO BANK ± 3–4"	
OUTLET	LEVEL SPREADER OR RIPRAP TO STABILIZED OUTLET/SEDIMENTATION POND	

INTERCEPTOR DIKE DESIGN CRITERIA

DIKE GRADE	MIN. 0.5%, MAX. 1%	
HORIZONTAL SPACING	3–5%	300 ft
	5–10%	200 ft
	10–25%	100 ft
	25–50%	50 ft
SLOPE STABILIZATION	<5%	SEED AND MULCH WITHIN 5 DAYS FOLLOWING DIKE CONSTRUCTION
	5–40%	DEPENDENT OF RUNOFF VELOCITIES AND DIKE MATERIALS. STABILIZATION SHOULD BE DONE IMMEDIATELY USING EITHER SOD OR RIP–RAP OR OTHER MEASURES TO AVOID EROSION.
OUTLET	UPSLOPE SIDE OF DIKE PROVIDES POSITIVE DRAINAGE TO OUTLET, PROVIDE RIPRAP AS NECESSARY TO PREVENT EROSION RELEASE TO SEDIMENT TRAPPING FACILITY.	

N.T.S.

INTERCEPTOR DIKE/SWALE

STANDARD DETAIL

CITY OF BATTLE GROUND
APPROVED

Mark Hennes 06/11/2018

CITY ENGINEER DATE

REVISIONS:	DATE:	DRAWN:	DESIGNED:
1	8/12/98	BSG	GGH
2	8/30/05	ALL	MCH
3	9/15/10	RMJ	RMJ
4	3/16/17	CAS	KDU

EC–8.00