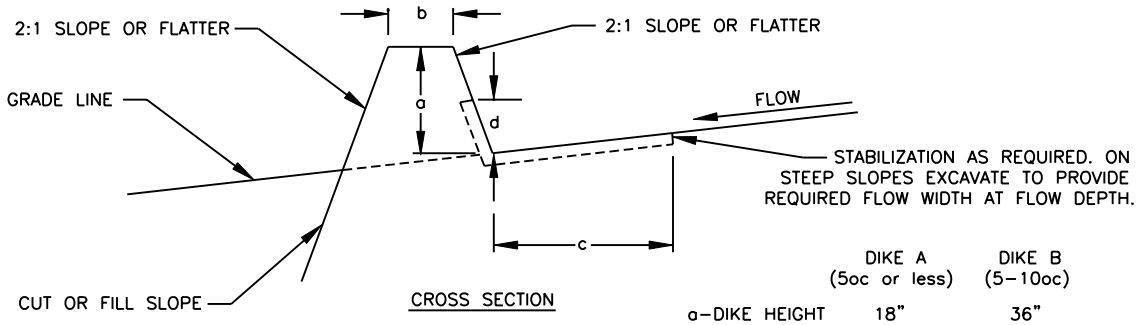
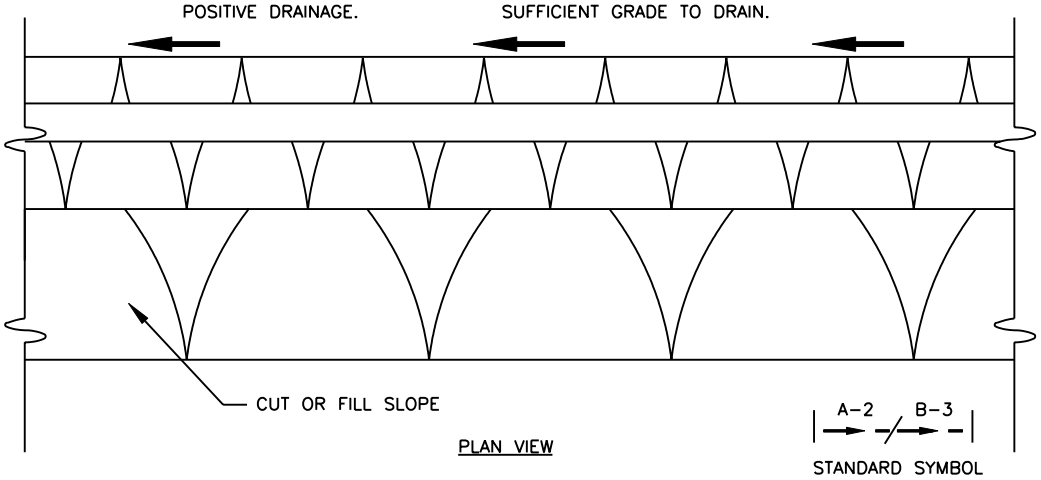


CROSS SECTION

	DIKE A (5oc or less)	DIKE B (5–10oc)
a–DIKE HEIGHT	18"	36"
b–DIKE WIDTH	24"	36"
c–FLOW WIDTH	4'	6'
d–FLOW DEPTH	8"	15"



PLAN VIEW

CONSTRUCTION SPECIFICATIONS

NO SCALE

1. ALL DIKES SHALL BE COMPACTED BY EARTH MOVING EQUIP.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON. (B) FLOW CHANNEL AS PER THE CHART BELOW.

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5–3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1–5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSIOR; SOD; 2" STONE
3	5.1–8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP–RAP 4–8".
4	8.1–20%	LINED RIP–RAP.	ENGINEERING DESIGN

A. STONE TO BE 2" STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3" IN THICKNESS AND BE PRESSED INTO THE SOIL WITH EQUIPMENT.

B. RIP–RAP TO BE 4–8 INCHES IN A LAYER AT LEAST 8 INCHES AND PRESSED INTO THE SOIL.

C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE

NO SCALE

APPROVED: JON C. SPANGLER	WILLIAM J. CAMPBELL STATE OF WASHINGTON 14817 REGISTERED PROFESSIONAL ENGINEER EXPIRES: 09-08-1996	THE CITY OF REDMOND WASHINGTON	STANDARD DETAILS
REV. DATE: SEPT. 1, 1995			**EARTH DIKE**
STORMWATER DIVISION			FILE SD505.DWG DRAWING NO. **505**