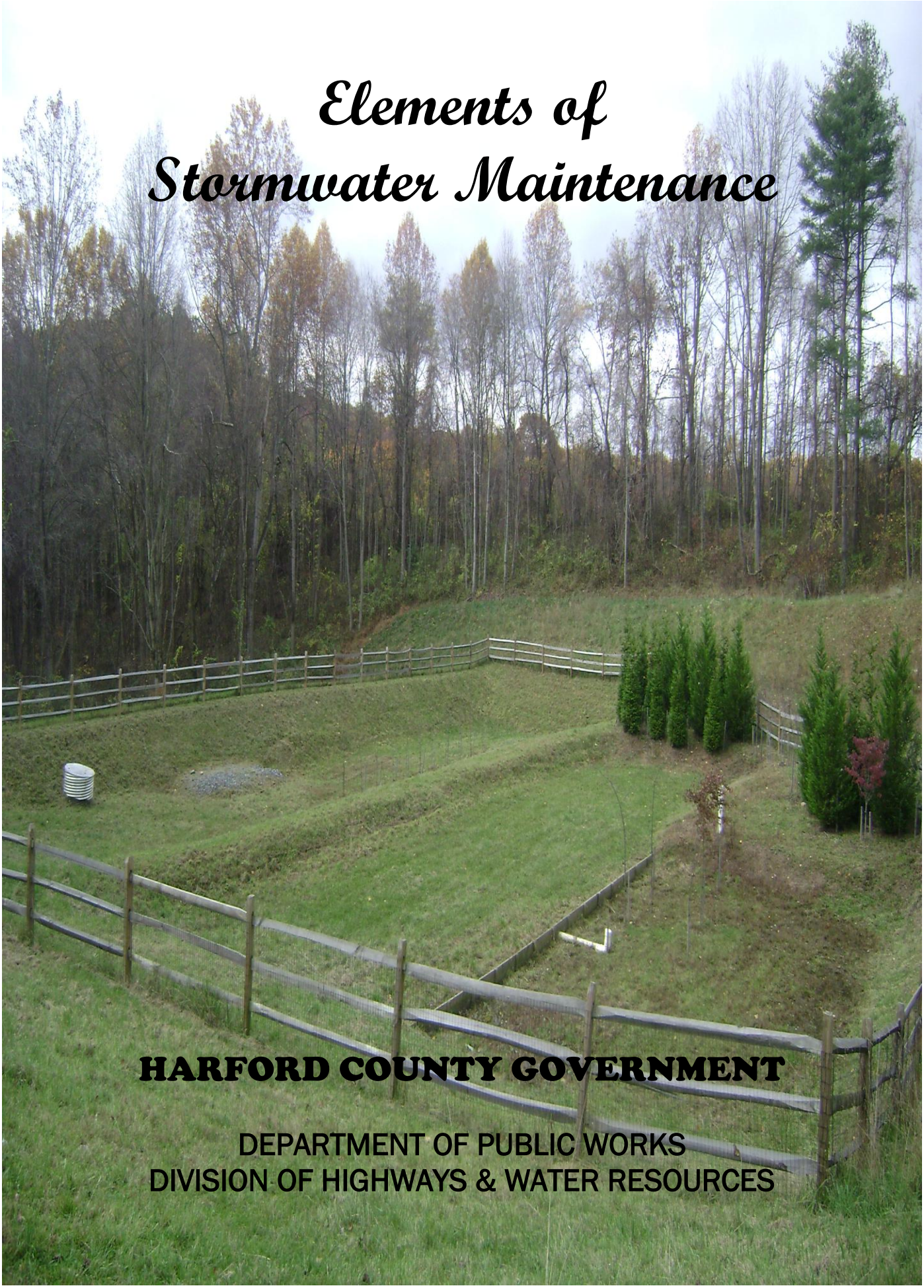
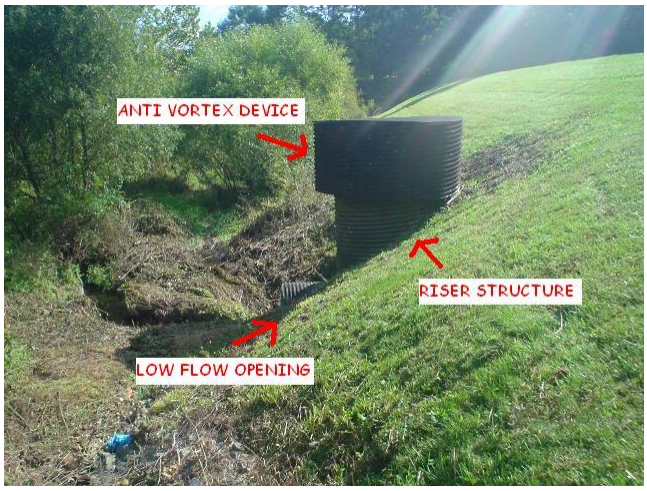
Elements of Stormwater Maintenance

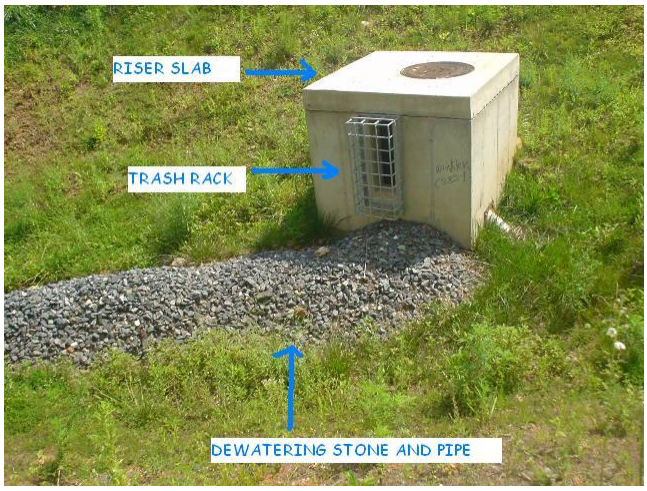


HARFORD COUNTY GOVERNMENT

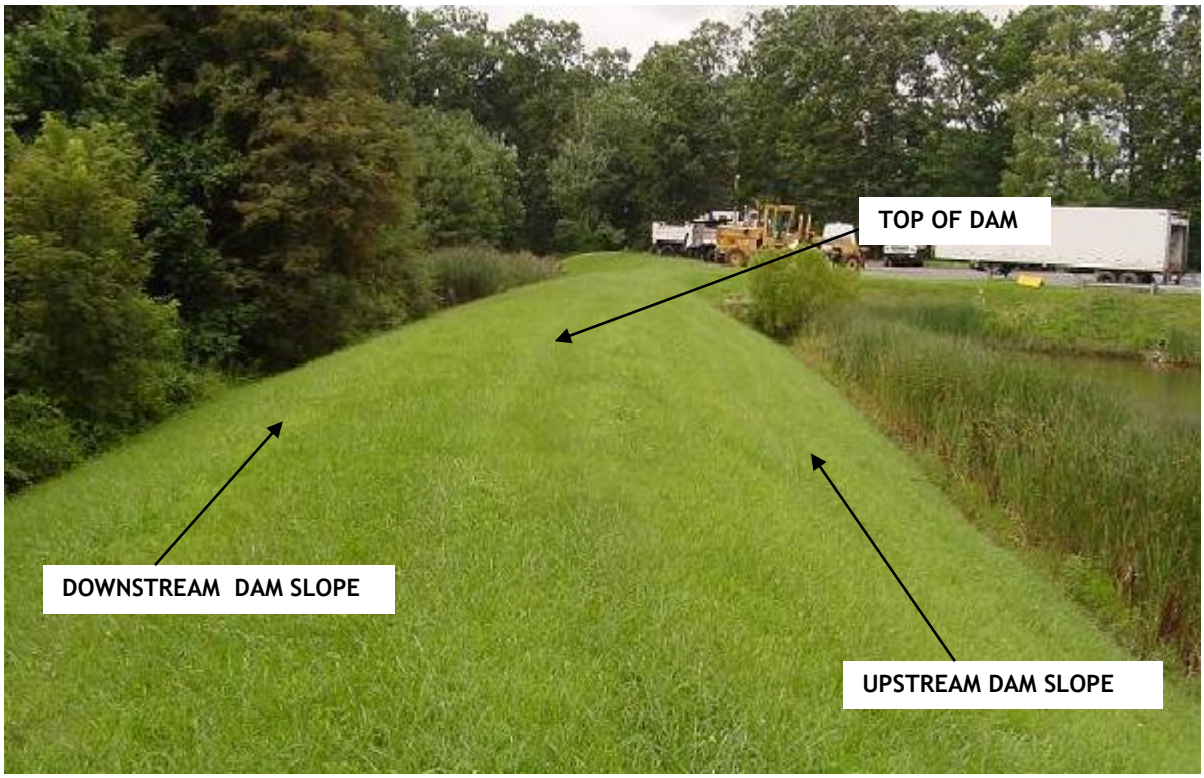
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS & WATER RESOURCES

PRINCIPAL SPILLWAY





DAM STRUCTURE



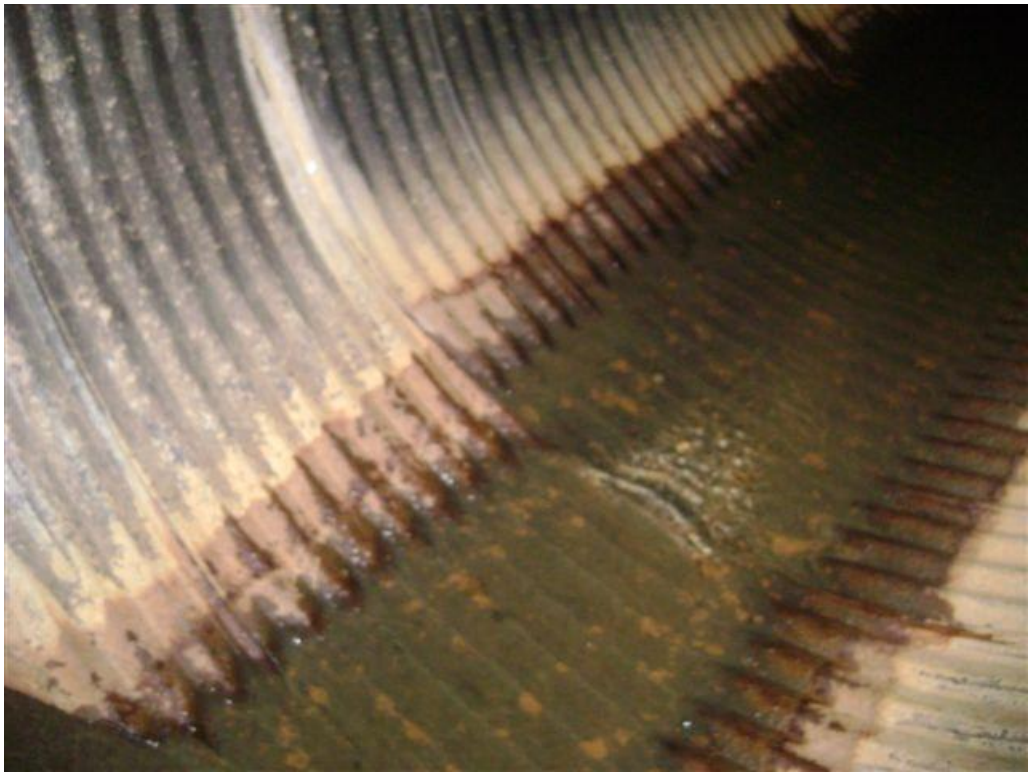
EMERGENCY SPILLWAY

SAND FILTER WITH SEDIMENT MARKER

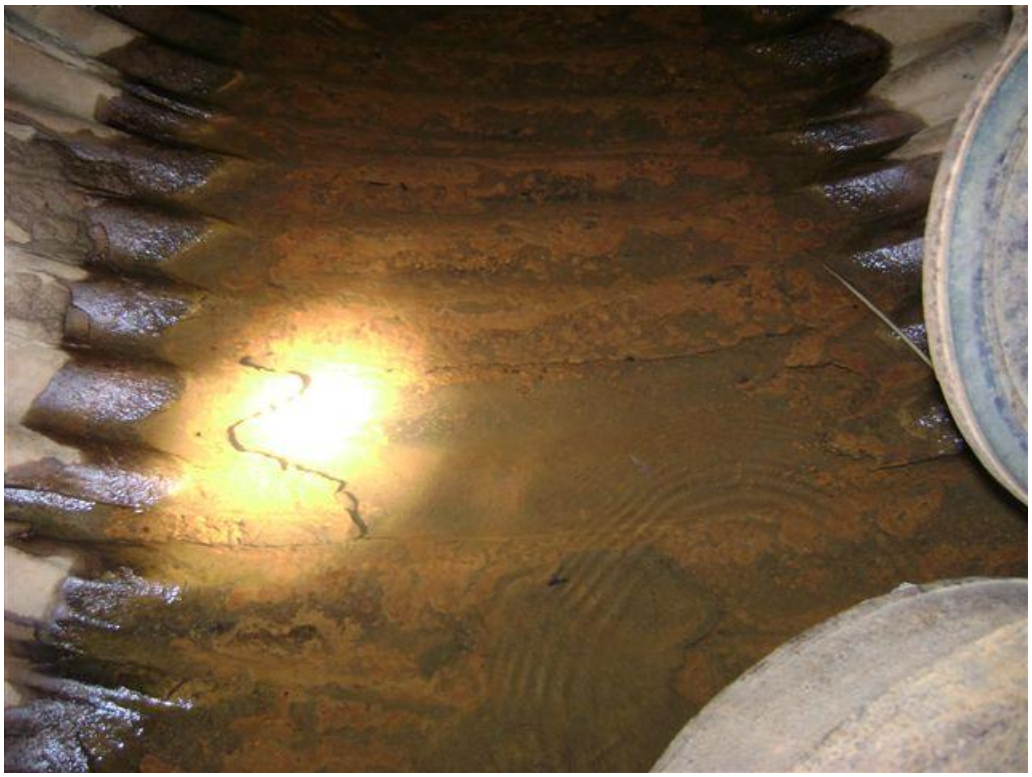
WATER QUALITY FACILITY

SEEPAGE THROUGH PIPE JOINT

BARREL DEFLECTION



HOLE IN BOTTOM OF BARREL



CRACK THROUGH A CONTROL WEIR WALL

HONEYCOMBING

PIPING

STORM DRAIN OBSTRUCTION

STORM DRAIN SEDIMENT DELTA

DEWATERING PIPE OBSTRUCTION

DEWATERING STONE – AT BASE OVERGROWN

ANIMAL BURROWING

(causing dam to slide)

SCOURING BELOW RIP RAP PROTECTION

PILOT CHANNEL

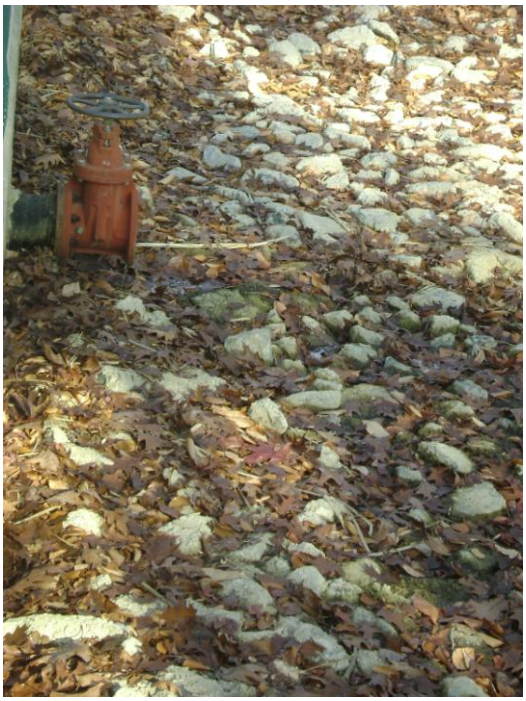
SLUMP

SLIDING

LEANING/BROKEN FENCING

SEDIMENT ACCUMULATION AT CURB OPENING

GATE VALVE



GILLESPIE SAND FILTER BOX

SCALING

SPALLING

INLET OBSTRUCTION

CARTRIDGE VAULT

RISER PROTECTION

(New design effective May 5, 2010)

SEEPAGE THROUGH RISER WALL

DETERIORATED CONCRETE IN RISER

ACCESS ROAD – SPARSE STABILIZATION

STORMCEPTOR
(Rumsey Island)