

BEST MANAGEMENT PRACTICE REFERENCE MATRIX

BEST MANAGEMENT PRACTICE (BMP)	STANDARD DRAWING NUMBER	PLAN SYMBOL	MATERIAL REFERENCES	CONSTRUCTION REFERENCES	USAGE GUIDELINES
REINFORCED SILT FENCE (AS PERIMETER CONTROL)	RSF		221.02C 712.06	221.04C	REINFORCED SILT FENCE, INSTALLED AS A TEMPORARY PERIMETER CONTROL AT THE BOTTOM OF BARREN SLOPES, AROUND DISTURBED CONSTRUCTION AREAS AND TEMPORARY SOIL STOCKPILES, SHOULD RETAIN THE SOIL ON DISTURBED LAND UNTIL CONSTRUCTION ACTIVITIES ARE SUFFICIENTLY COMPLETED TO ALLOW REVEGETATION AND PERMANENT SOIL STABILIZATION.
TEMPORARY SLOPE DRAIN	SD		221.02A	221.04A	A TEMPORARY SLOPE DRAIN IS CONSTRUCTED WITH A FLEXIBLE PIPE OR CONDUIT EXTENDING FROM THE TOP OF A CUT OR FILL SLOPE INTO A BED OF RIP RAP DOWN SLOPE. THE PURPOSE OF THE TEMPORARY SLOPE DRAIN IS TO CONVEY STORMWATER RUNOFF DOWN THE FACE OF THE SLOPE WITHOUT CAUSING EROSION ON THE SLOPE. THE TEMPORARY EARTHEN BERM IS USED TO REDUCE SLOPE LENGTH AND DIVERT RUNOFF TO THE TEMPORARY SLOPE DRAIN PIPE. MAXIMUM DRAINAGE AREA IS 0.50 ACRE.
TEMPORARY FIBER LOG	TFL		221.02H	221.04H	TEMPORARY FIBER LOGS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT, MOST NOTABLY ON SLOPES. TEMPORARY FIBER LOGS ARE NOT TO BE USED IN ACTIVE STREAMS.
TEMPORARY SEDIMENT BASIN	TSB		221.02E	221.04E	TEMPORARY SEDIMENT BASINS ARE USED TO REDUCE TURBIDITY OF CONSTRUCTION STORMWATER RUNOFF DURING GRADING.
STABILIZED CONSTRUCTION EXIT	SCE		713.03		STABILIZED CONSTRUCTION EXITS ARE INSTALLED AT POINTS OF VEHICULAR INGRESS AND EGRESS. THE STABILIZED CONSTRUCTION ENTRANCES REDUCE THE AMOUNT OF SEDIMENT TRANSPORTED ONTO PAVED PUBLIC TRAVEL WAYS BY CONSTRUCTION EQUIPMENT AND OTHER MOTOR VEHICLES.
DITCH CHECK STRUCTURES	STANDARD DRAWING NUMBER	PLAN SYMBOL	MATERIAL REFERENCES	CONSTRUCTION REFERENCES	INSTALL DITCH CHECKS TO CONTROL RUNOFF VELOCITY, TRAP SEDIMENTS AND REDUCE EROSION. DRAINAGE AREA, DITCH GRADIENT AND SOIL TYPE AID IN SELECTING THE PROPER DITCH CHECK.
TEMPORARY ROCK FILTER DAM (AS DITCH CHECK)	TRFD		221.02G 712.02, 713.03, 732.09	221.04G	TEMPORARY ROCK FILTER DAM DITCH CHECKS ARE CONSTRUCTED ACROSS THE DITCH OR SWALE TO LOWER THE VELOCITY OF CONCENTRATED WATER FLOWS AND CAPTURE SEDIMENT.
TEMPORARY ROCK FILTER DAM (WITH SEDIMENT TRAP)	TRFD		221.02G 712.02, 713.03, 732.09	221.04G	A TEMPORARY ROCK FILTER DAM DITCH CHECK WITH SEDIMENT TRAP IS USUALLY USED AT THE END OF A SERIES OF ROCK FILTER DAM DITCH CHECKS. THE PRIMARY PURPOSE IS TO INTERCEPT SEDIMENT AND, SECONDLY, REDUCE VELOCITY. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM EROSION, SINCE WATER WILL FLOW OVER AND AROUND THE DAM.
TEMPORARY SILT DIKE (AS DITCH CHECK)	TSD		221.02F 735.07	221.04F	THE PRIMARY PURPOSE OF A TEMPORARY SILT DIKE DITCH CHECK IS TO CONTROL THE SEDIMENT WHILE ITS SECONDARY PURPOSE IS TO SLOW THE VELOCITY OF THE WATER, THEREBY CONTROLLING THE EROSION OF THE SOILS IN THE DITCH.
REINFORCED SILT FENCE (AS DITCH CHECK)	RSF		221.02C AASHTO M288	221.04C	REINFORCED SILT FENCE DITCH CHECKS ARE PRIMARILY USED IN ROADSIDE DITCHES AND AREAS OF SHEET FLOW.
INLET PROTECTION STRUCTURES	STANDARD DRAWING NUMBER	PLAN SYMBOL	MATERIAL REFERENCES	CONSTRUCTION REFERENCES	CONFIGURATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER FOR TRAVELWAY SAFETY, WATER FLOW, SOIL OR INSTALLATION CHALLENGES.
FIBER LOG (AS INLET PROTECTION)	TFL		221.02H	221.04H	FIBER LOG INLET PROTECTION PROVIDES SEDIMENT TRAPPING BY PONDING STORMWATER TO A DEPTH EQUAL TO OR LESS THAN THE FIBER LOG DIAMETER. ENSURE POTENTIAL PONDING WILL NOT HAVE ADVERSE IMPACTS.
AGGREGATE INLET PROTECTION	IPD		221.02D	221.04D	THE ELEVATION OF THE TOP OF THE REQUIRED STONE BERM SHALL BE A MINIMUM OF 1.5 FEET ABOVE THE ELEVATION OF THE INLET WORKING POINT AND A MINIMUM OF 6 INCHES BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.
REINFORCED SILT FENCE (AS INLET PROTECTION)	IPD		221.02C	221.04C	REINFORCED SILT FENCE INLET PROTECTION PROVIDES SEDIMENT TRAPPING BY PONDING STORMWATER TEMPORARILY BEFORE IT ENTERS THE INLET. ENSURE POTENTIAL PONDING WILL NOT HAVE ADVERSE IMPACTS.

APPROVED BY ROADWAY ENGINEER: DATE: 6/24/22
ROADWAY DESIGN DIVISION STANDARD



BEST MANAGEMENT PRACTICE REFERENCE MATRIX

2019 SPECIFICATIONS

BMPR	0
	R-1