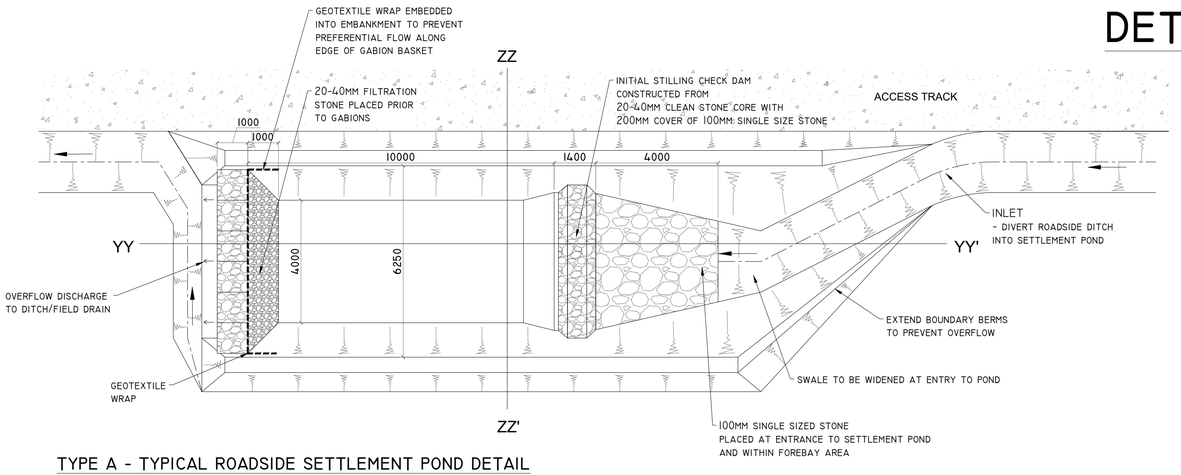
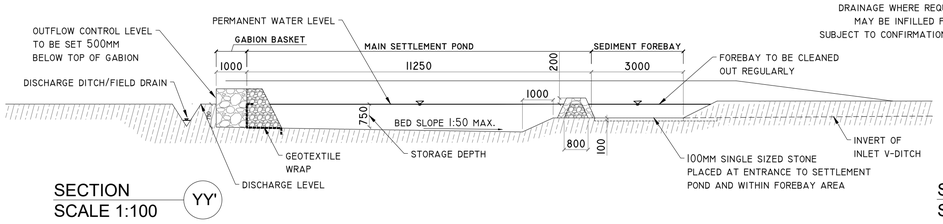
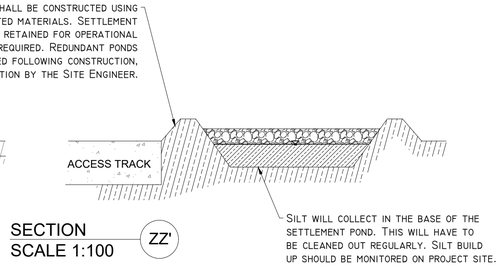
DETAIL AI



TYPE A - TYPICAL ROADSIDE SETTLEMENT POND DETAIL
SCALE 1:100 (NOTE DIMENSIONS VARY DEPENDING ON CATCHMENT SIZE - SEE ATTACHED TABLE)

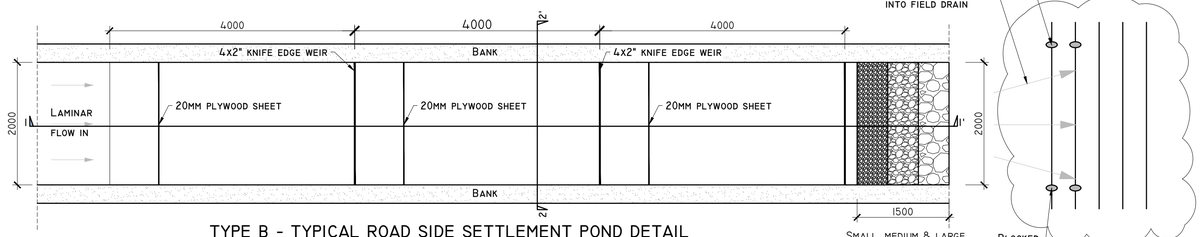


SECTION YY'
SCALE 1:100

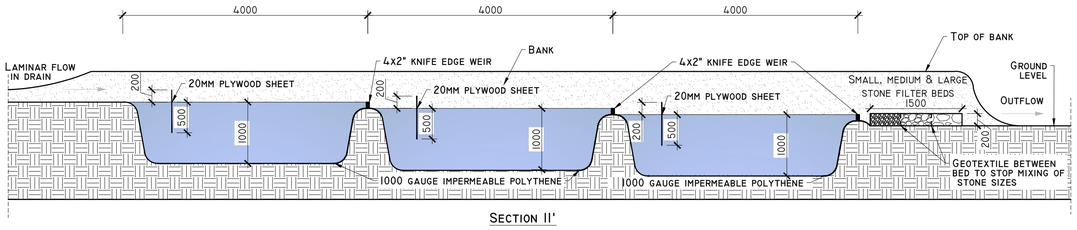


SECTION ZZ'
SCALE 1:100

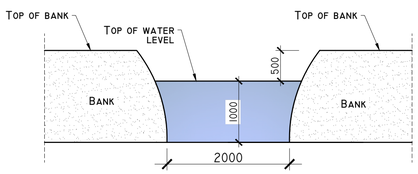
DETAIL A2



TYPE B - TYPICAL ROAD SIDE SETTLEMENT POND DETAIL
SCALE 1:200 (NOTE DIMENSIONS VARY DEPENDING ON CATCHMENT SIZE - SEE ATTACHED TABLE)

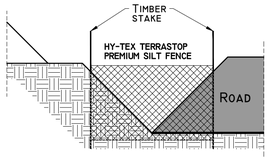


SECTION II'



SECTION 22'

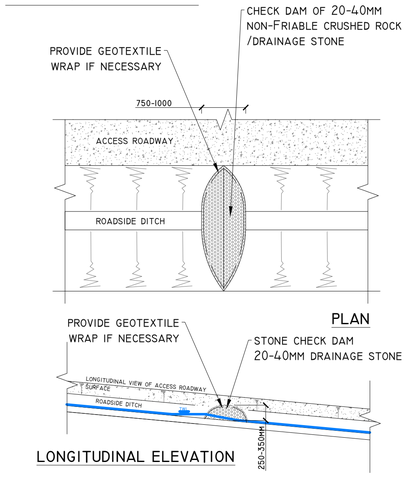
SEDIMENT FENCE/CHECK DAM DETAIL



POND SIZE W [M] x L [M] x D [M]			CONTRIBUTING CATCHMENT AREA (M²)		
RETURN PERIOD	10 YRS	STORM DURATION	500	1000	2000
6HR RETENTION FOR COARSE SILT		6 HRS	2.4 x 7.4 x 1 M	3.5 x 11.3 x 1 M	5.5 x 19.2 x 1 M
11HR RETENTION FOR MEDIUM SILT		11 HRS	3.5 x 10.5 x 1 M	5.0 x 16.0 x 1 M	9.0 x 24.0 x 1 M
24HR RETENTION FOR FINE SILT		24 HRS	4.8 x 14.0 x 1 M	7.5 x 21.0 x 1 M	12.0 x 36.0 x 1 M

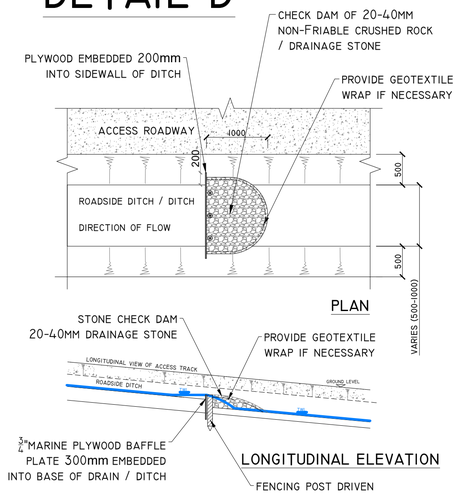
SETTLEMENT POND DESIGN NOTES:
1. POND DIMENSIONS ARE INDICATIVE AND SHALL BE CONFIRMED BASED ON FINAL CONTRIBUTING CATCHMENT AREAS.
2. POND SIZING SHALL PROVIDE APPROPRIATE SEDIMENT SETTLEMENT AND TEMPORARY RUNOFF ATTENUATION PRIOR TO DISCHARGE TO THE EXISTING BOG DRAINAGE NETWORK.
3. ACTUAL POND DIMENSIONS AND CONFIGURATIONS MAY VARY TO ACCOMMODATE LOCAL TOPOGRAPHY, GROUND CONDITIONS, AVAILABLE SPACE AND DRAINAGE CONNECTIVITY.
4. ADDITIONAL OR ALTERNATIVE TREATMENT MEASURES MAY BE REQUIRED WHERE ELEVATED SUSPENDED SEDIMENT CONCENTRATIONS ARE ENCOUNTERED.
5. SETTLEMENT PONDS REQUIRED FOR OPERATIONAL DRAINAGE SHALL BE RETAINED AND MAINTAINED. REDUNDANT CONSTRUCTION-PHASE PONDS MAY BE DECOMMISSIONED SUBJECT TO CONFIRMATION THAT THEY ARE NO LONGER REQUIRED.

DETAIL C

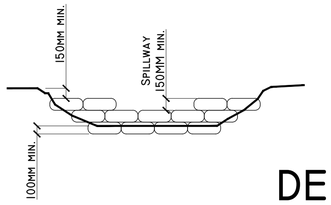


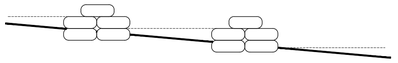
TYPE X - CHECK DAM DETAIL
SCALE 1:50

DETAIL D



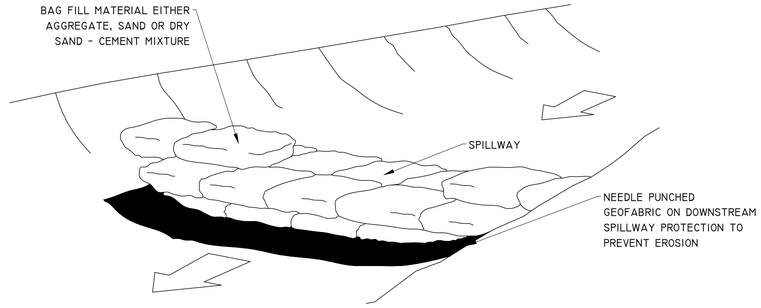
TYPE Y - CHECK DAM DETAIL
SCALE 1:50





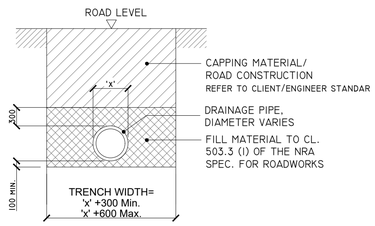
NOTE: SPACING OF CHECK DAMS ALONG CENTRELINE AND SCOUR PROTECTION BELOW EACH CHECK DAM

DETAIL CI



TEMPORARY CHECK DAM / SETTLEMENT POND OVERFLOW
SAND FILLED BAG CONSTRUCTION
SCHEMATIC - NOT TO SCALE

DETAIL B



'TYPE B' CULVERT - DRAINAGE CROSSING BENEATH EXCAVATED ROAD

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Job: BALLYDERMOT WF, Co. OFFALY/Co. KILDARE

Title: DRAINAGE DETAILS I

Figure No: D501

Drawing No: P1511-0-1026-A1-D501-Rev C
Sheet Size: A1 | Project No.: P1511-0
Scale: as shown (A1) | Drawn By: GA
Checked By: M.G.