

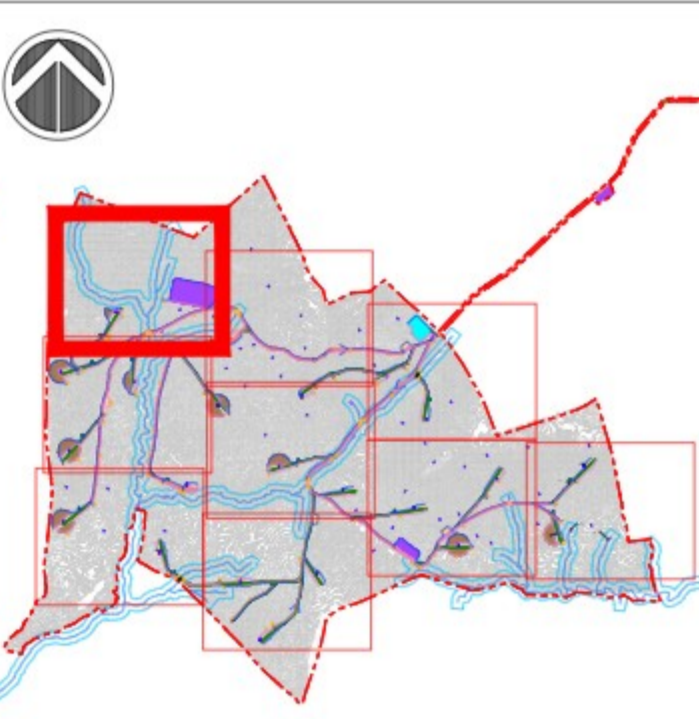
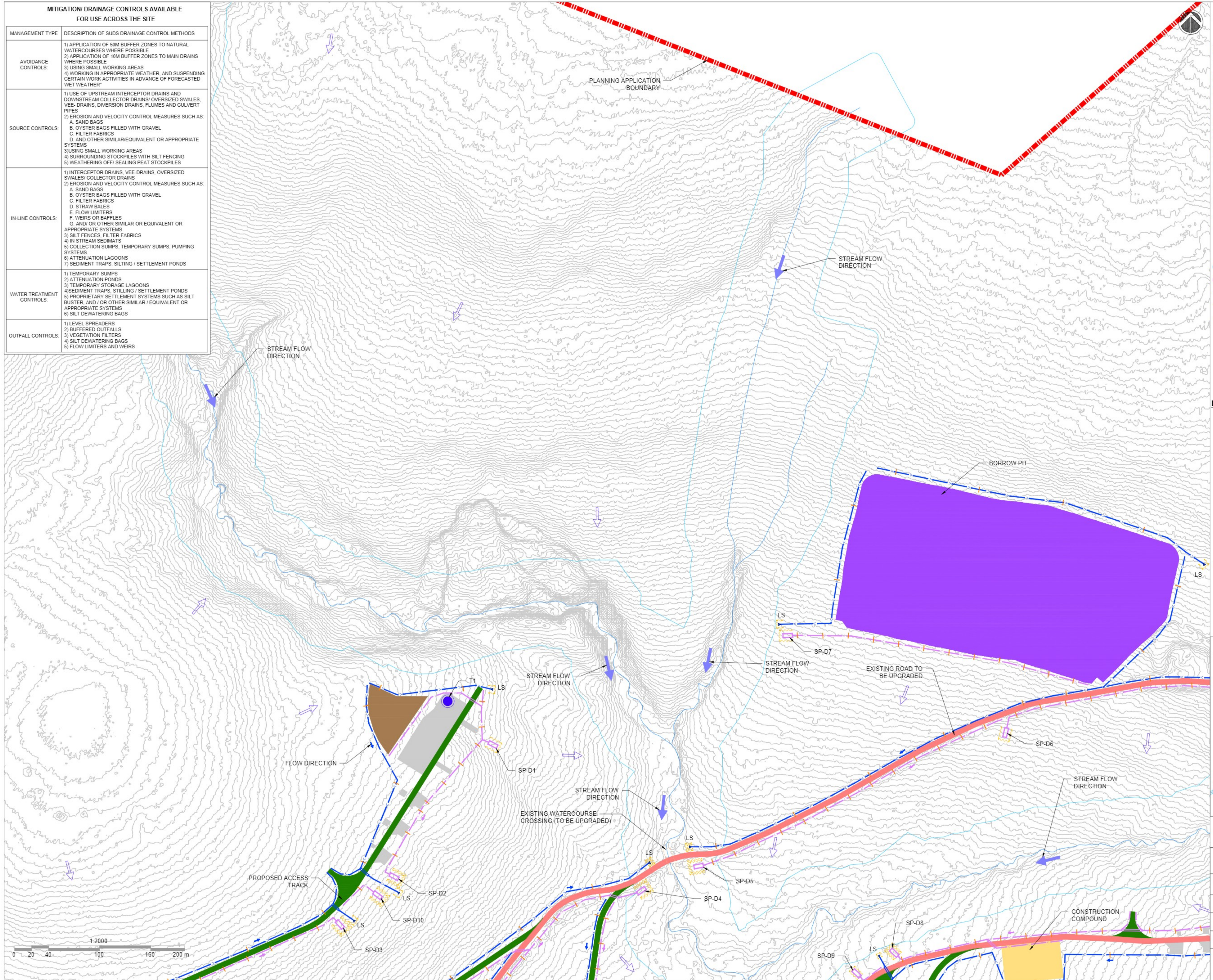
MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS:	1) APPLICATION OF 50M BUFFER ZONES TO NATURAL WATERCOURSES WHERE POSSIBLE 2) APPLICATION OF 10M BUFFER ZONES TO MAIN DRAINS WHERE POSSIBLE 3) USING SMALL WORKING AREAS 4) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
SOURCE CONTROLS:	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS/ OVERSIZED SWALES, VEE- DRAINS, DIVERSION DRAINS, FLUMES AND CULVERT PIPES 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A. SAND BAGS B. OYSTER BAGS FILLED WITH GRAVEL C. FILTER FABRICS D. AND OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS 3) USING SMALL WORKING AREAS 4) SURROUNDING STOCKPILES WITH SILT FENCING 5) WEATHERING OFF/ SEALING PEAT STOCKPILES
IN-LINE CONTROLS:	1) INTERCEPTOR DRAINS, VEE-DRAINS, OVERSIZED SWALES/ COLLECTOR DRAINS 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A. SAND BAGS B. OYSTER BAGS FILLED WITH GRAVEL C. FILTER FABRICS D. STRAW BALES E. FLOW LIMITERS F. WEIRS OR BAFFLES G. AND/ OR OTHER SIMILAR OR EQUIVALENT OR APPROPRIATE SYSTEMS 3) SILT FENCES, FILTER FABRICS 4) IN STREAM SEDIMENTS 5) COLLECTION SUMPS, TEMPORARY SUMPS, PUMPING SYSTEMS 6) ATTENUATION LAGOONS 7) SEDIMENT TRAPS, SILTING / SETTLEMENT PONDS
WATER TREATMENT CONTROLS:	1) TEMPORARY SUMPS 2) ATTENUATION PONDS 3) TEMPORARY STORAGE LAGOONS 4) SEDIMENT TRAPS, STILING / SETTLEMENT PONDS 5) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILT BUSTER, AND/ OR OTHER SIMILAR / EQUIVALENT OR APPROPRIATE SYSTEMS 6) SILT DEWATERING BAGS
OUTFALL CONTROLS:	1) LEVEL SPREADERS 2) BUFFERED OUTFALLS 3) VEGETATION FILTERS 4) SILT DEWATERING BAGS 5) FLOW LIMITERS AND WEIRS

LEGEND :

- PROPOSED TURBINE
- PROPOSED MET MAST LOCATION
- HARDSTAND
- PROPOSED NEW ROADS
- EXISTING ROADS - UPGRADE PROPOSED
- PROPOSED CONSTRUCTION COMPOUND
- PEAT PLACEMENT AREAS
- EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
- PROPOSED BORROW PITS
- EXISTING STREAM WITH 50m BUFFER ZONE
- EXISTING CULVERT
- PROPOSED NEW WATERCOURSE CROSSING
- UPSLOPE INTERCEPTOR DRAIN
- SWALES / DOWNSLOPE INTERCEPTOR DRAIN
- STILLING POND - CLEAN WATER
- STILLING POND - DIRTY WATER
- UPSLOPE INTERCEPTOR DRAIN - CULVERT
- DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
- CHECK DAMS
- SILT FENCES
- DOUBLE SILT FENCES
- DIRECTION OF FLOW
- LEVEL SPREADER
- EXISTING CONTOURS (1m INTERVAL)

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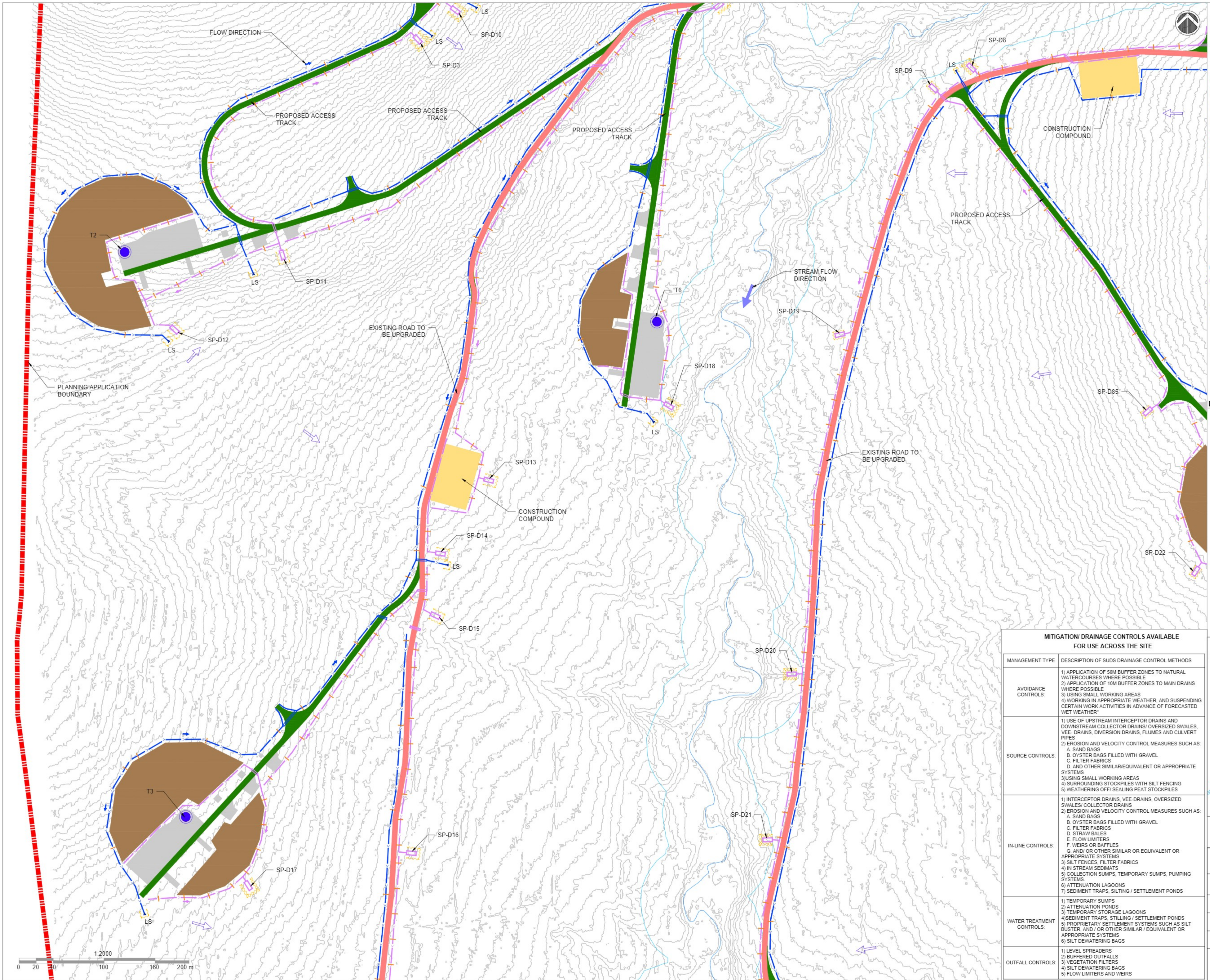
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 4. ALL DIMENSIONS ARE IN METRES.
 5. FINAL POSITIONS OF SETTLING PONDS AND LEVEL SPREADERS WILL BE DETERMINED IN THE FIELD.



LOCATION PLAN
SCALE - NTS

Drawing Title: PROPOSED DRAINAGE LAYOUT SHEET 1 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-1
Scale: 1:2000	Date: 27-11-2023





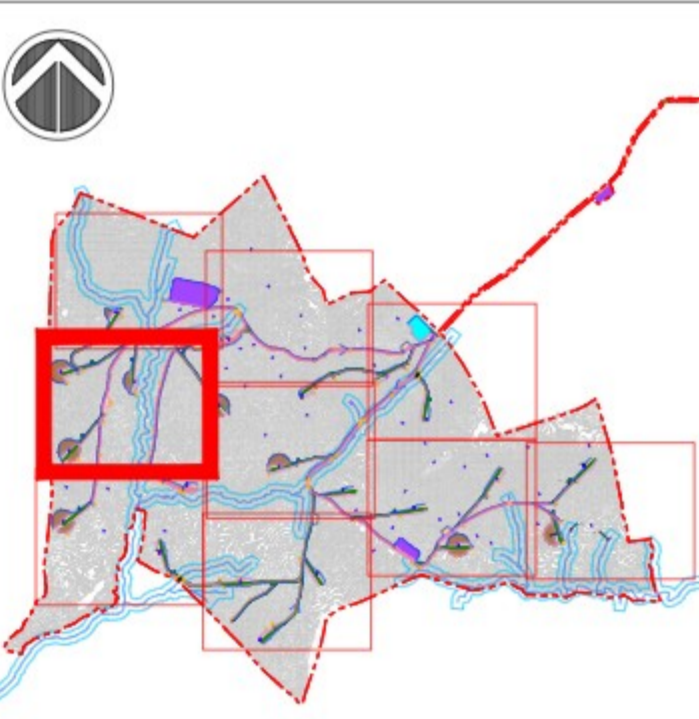
LEGEND :

- PROPOSED TURBINE
- PROPOSED MET MAST LOCATION
- HARDSTAND
- PROPOSED NEW ROADS
- EXISTING ROADS - UPGRADE PROPOSED
- PROPOSED CONSTRUCTION COMPOUND
- PEAT PLACEMENT AREAS
- EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
- PROPOSED BORROW PITS
- EXISTING STREAM WITH 50m BUFFER ZONE
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- SWALOPE INTERCEPTOR DRAIN
- SWALES / DOWNSLOPE INTERCEPTOR DRAIN
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- STILLING POND - DIRTY WATER
- UPSLOPE INTERCEPTOR DRAIN - CULVERT
- DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
- CHECK DAMS
- SILT FENCES
- DOUBLE SILT FENCES
- DIRECTION OF FLOW
- ▲ LS LEVEL SPREADER
- EXISTING CONTOURS (1m INTERVAL)

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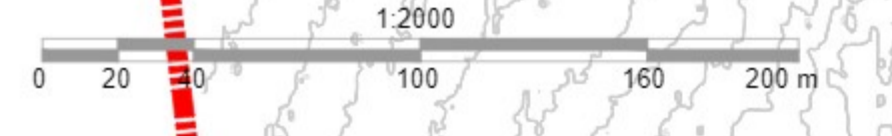
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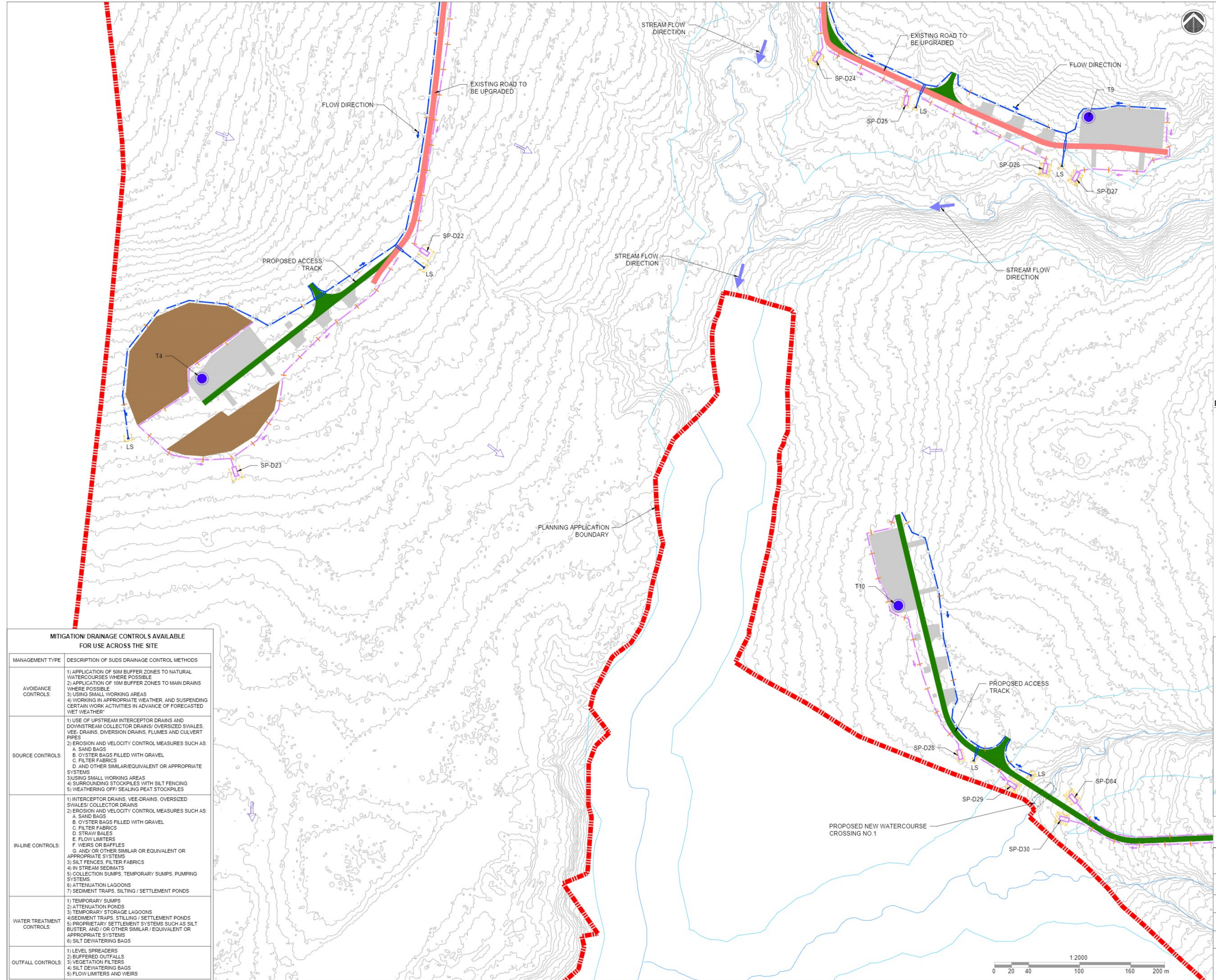
MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
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LOCATION PLAN
SCALE - NTS

Drawing Title: PROPOSED DRAINAGE LAYOUT SHEET 2 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-2
Scale: 1:2000	Date: 27-11-2023





LEGEND :

- PROPOSED TURBINE
- PROPOSED MET MAST LOCATION
- HARDSTAND
- PROPOSED NEW ROADS
- EXISTING ROADS - UPGRADE PROPOSED
- PROPOSED CONSTRUCTION COMPOUND
- PEAT PLACEMENT AREAS
- EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
- PROPOSED BORROW PITS
- EXISTING STREAM WITH 50m BUFFER ZONE
- EXISTING CULVERT
- PROPOSED NEW WATERCOURSE CROSSING
- UPSLOPE INTERCEPTOR DRAIN
- SWALES / DOWNSLOPE INTERCEPTOR DRAIN
- STILLING POND - CLEAN WATER
- STILLING POND - DIRTY WATER
- UPSLOPE INTERCEPTOR DRAIN - CULVERT
- DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
- + CHECK DAMS
- SILT FENCES
- DOUBLE SILT FENCES
- DIRECTION OF FLOW
- ▲ LS LEVEL SPREADER
- EXISTING CONTOURS (1m INTERVAL)

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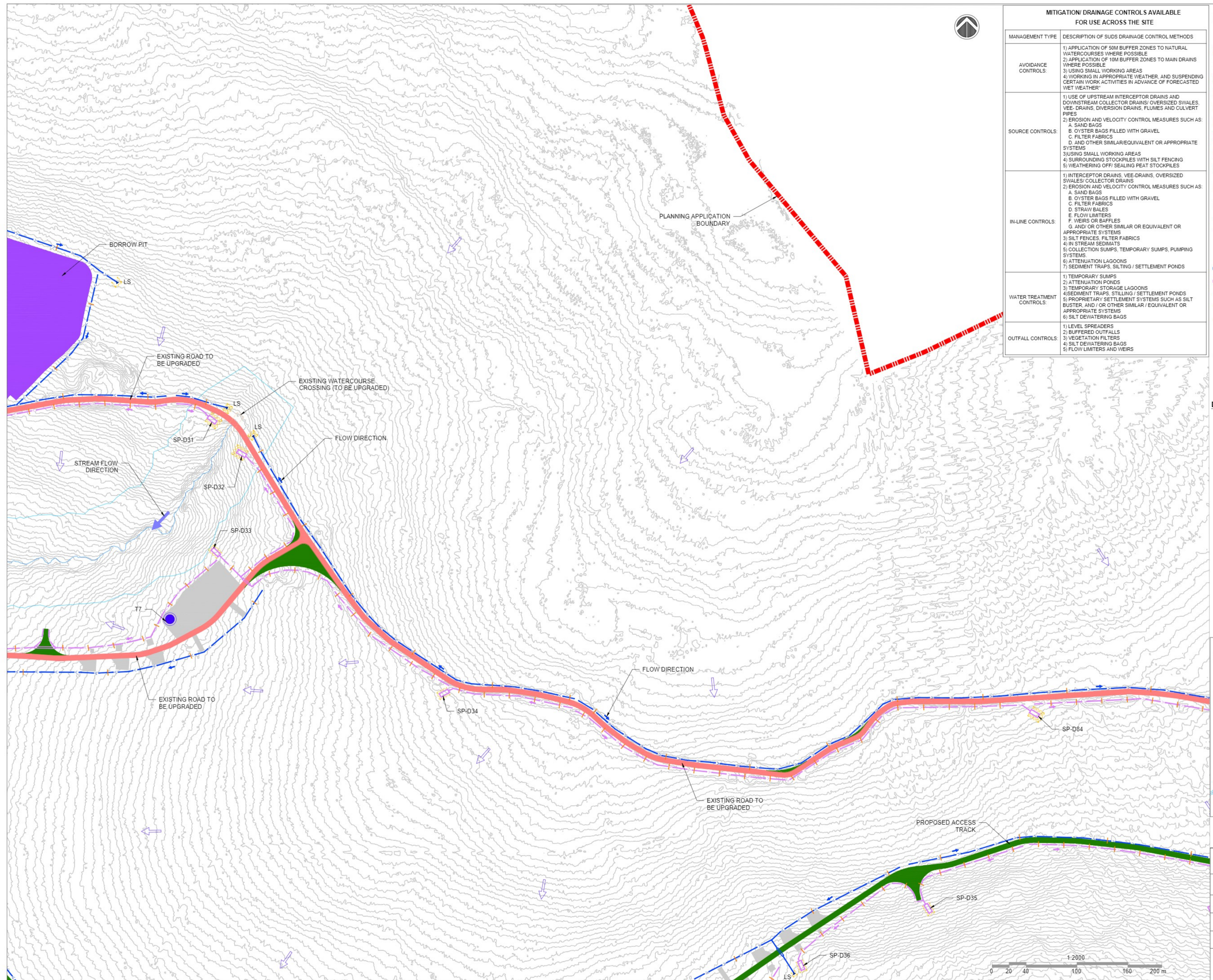
MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
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OUTFALL CONTROLS:	1) LEVEL SPREADERS 2) BUFFERED OUTFALLS 3) VEGETATION FILTERS 4) SILT DEWATERING BAGS 5) FLOW LIMITERS AND WEIRS



LOCATION PLAN
SCALE - NTS

Drawing Title: PROPOSED DRAINAGE LAYOUT	
SHEET 3 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-3
Scale: 1:2000	Date: 27-11-2023





MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS:	1) APPLICATION OF 50M BUFFER ZONES TO NATURAL WATERCOURSES WHERE POSSIBLE 2) APPLICATION OF 10M BUFFER ZONES TO MAIN DRAINS WHERE POSSIBLE 3) USING SMALL WORKING AREAS 4) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER*
SOURCE CONTROLS:	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS/ OVERSIZED SWALES, VEE-DRAINS, DIVERSION DRAINS, FLUMES AND CULVERT PIPES 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A. SAND BAGS B. OYSTER BAGS FILLED WITH GRAVEL C. FILTER FABRICS D. AND OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS 3) USING SMALL WORKING AREAS 4) SURROUNDING STOCKPILES WITH SILT FENCING 5) WEATHERING OFF/ SEALING PEAT STOCKPILES
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OUTFALL CONTROLS:	1) LEVEL SPREADERS 2) BUFFERED OUTFALLS 3) VEGETATION FILTERS 4) SILT DEWATERING BAGS 5) FLOW LIMITERS AND WEIRS

LEGEND :	
	PROPOSED TURBINE
	PROPOSED MET MAST LOCATION
	HARDSTAND
	PROPOSED NEW ROADS
	EXISTING ROADS - UPGRADE PROPOSED
	PROPOSED CONSTRUCTION COMPOUND
	PEAT PLACEMENT AREAS
	EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
	PROPOSED BORROW PITS
	EXISTING STREAM WITH 50m BUFFER ZONE
	EXISTING CULVERT
	PROPOSED NEW WATERCOURSE CROSSING
	PROPOSED INTERCEPTOR DRAIN
	SWALES / DOWNSLOPE INTERCEPTOR DRAIN
	STILLING POND - CLEAN WATER
	STILLING POND - DIRTY WATER
	UPSLOPE INTERCEPTOR DRAIN - CULVERT
	DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
	CHECK DAMS
	SILT FENCES
	DOUBLE SILT FENCES
	DIRECTION OF FLOW
	LEVEL SPREADER
	EXISTING CONTOURS (1m INTERVAL)

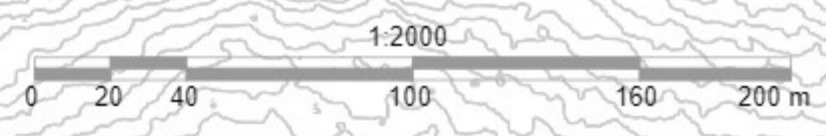
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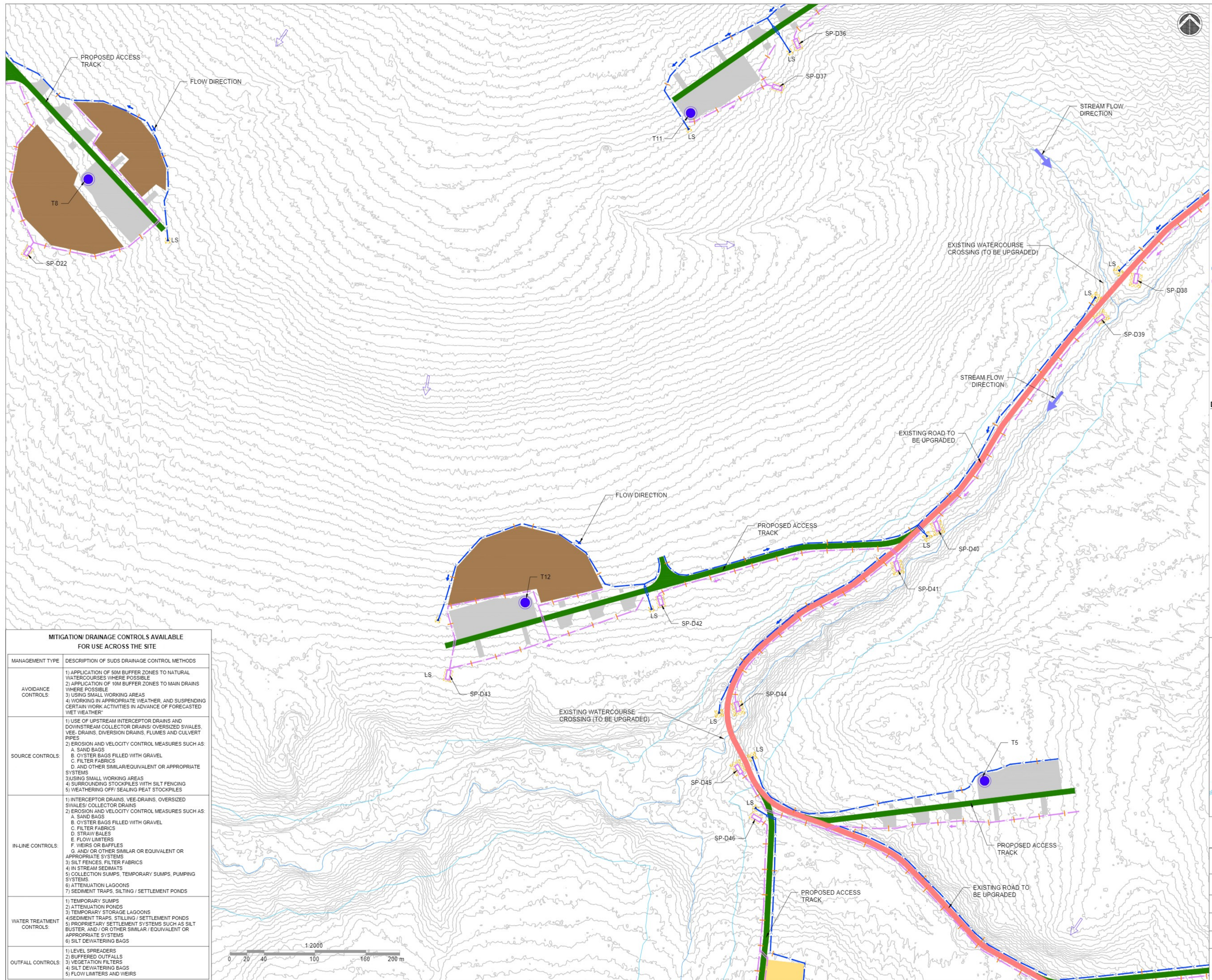
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LOCATION PLAN
SCALE - 1:2500

Drawing Title: PROPOSED DRAINAGE LAYOUT SHEET 4 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-4
Scale: 1:2000	Date: 27-11-2023





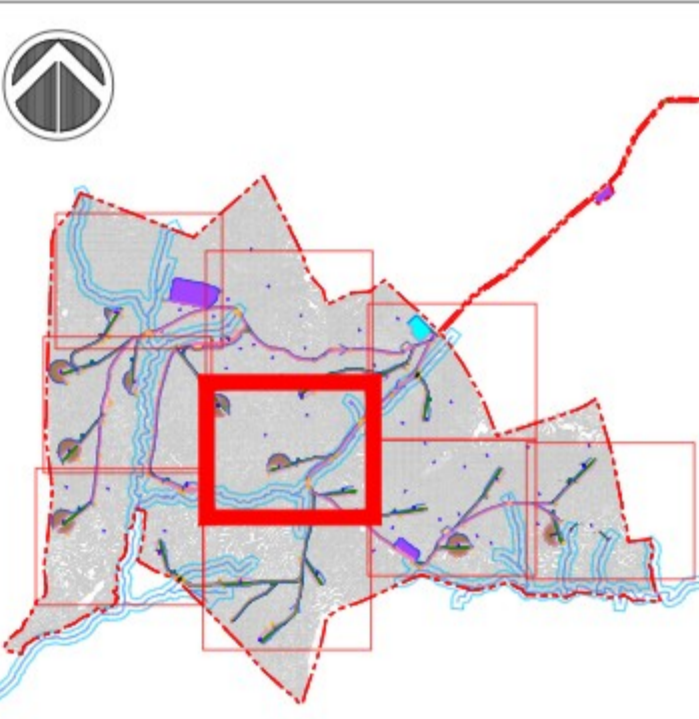
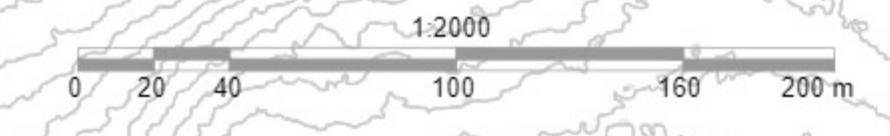
LEGEND :

- PROPOSED TURBINE
- PROPOSED MET MAST LOCATION
- HARDSTAND
- PROPOSED NEW ROADS
- EXISTING ROADS - UPGRADE PROPOSED
- PROPOSED CONSTRUCTION COMPOUND
- PEAT PLACEMENT AREAS
- EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
- PROPOSED BORROW PITS
- EXISTING STREAM WITH 50m BUFFER ZONE
- EXISTING CULVERT
- PROPOSED NEW WATERCOURSE CROSSING
- UPSLOPE INTERCEPTOR DRAIN
- SWALES / DOWNSLOPE INTERCEPTOR DRAIN
- STILLING POND - CLEAN WATER
- STILLING POND - DIRTY WATER
- UPSLOPE INTERCEPTOR DRAIN - CULVERT
- DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
- + CHECK DAMS
- SILT FENCES
- DOUBLE SILT FENCES
- DIRECTION OF FLOW
- ▲ LS LEVEL SPREADER
- EXISTING CONTOURS (1m INTERVAL)

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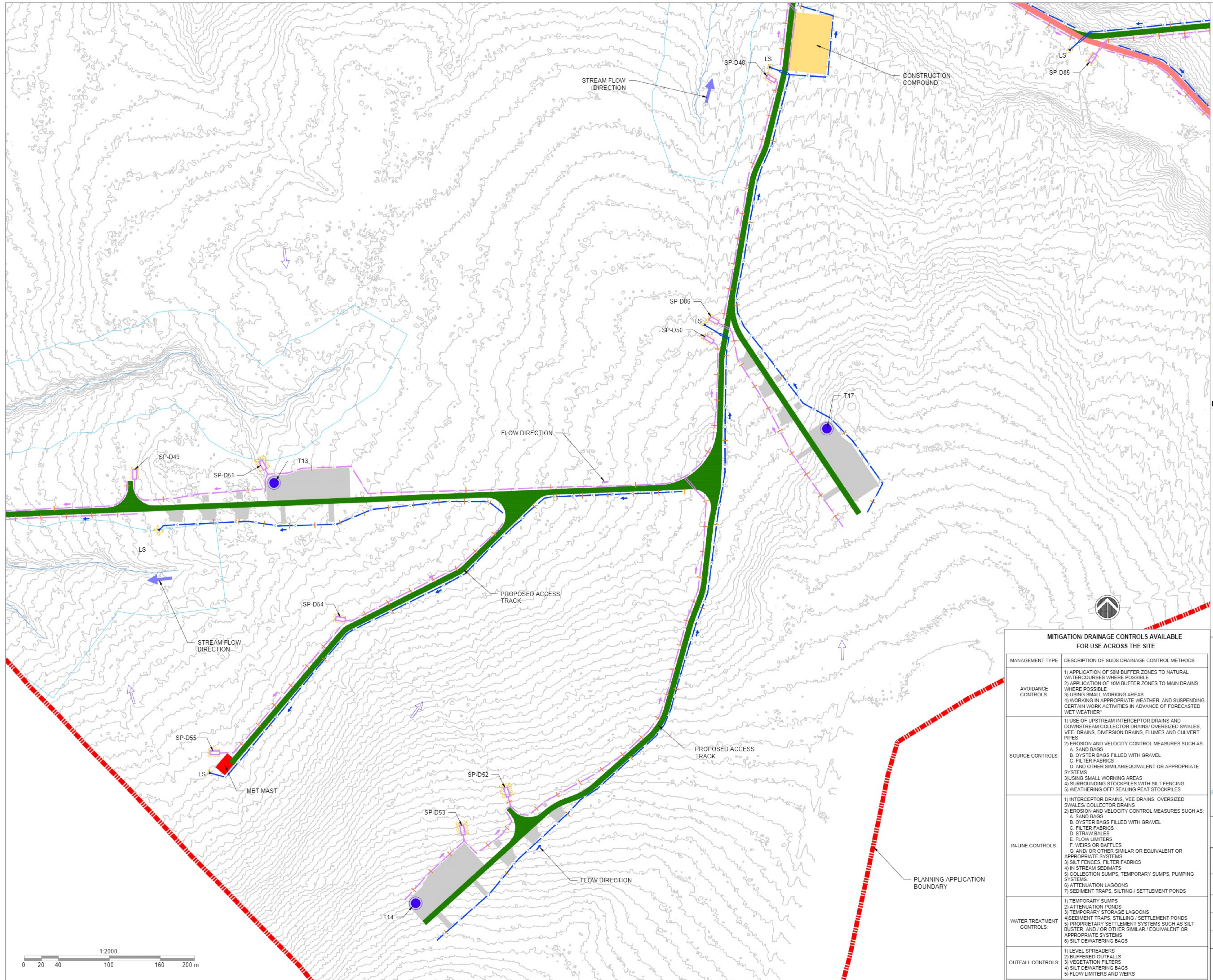
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MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS:	1) APPLICATION OF 50M BUFFER ZONES TO NATURAL WATERCOURSES WHERE POSSIBLE 2) APPLICATION OF 10M BUFFER ZONES TO MAIN DRAINS WHERE POSSIBLE 3) USING SMALL WORKING AREAS 4) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
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Drawing Title: PROPOSED DRAINAGE LAYOUT SHEET 5 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-5
Scale: 1:2000	Date: 27-11-2023





LEGEND :

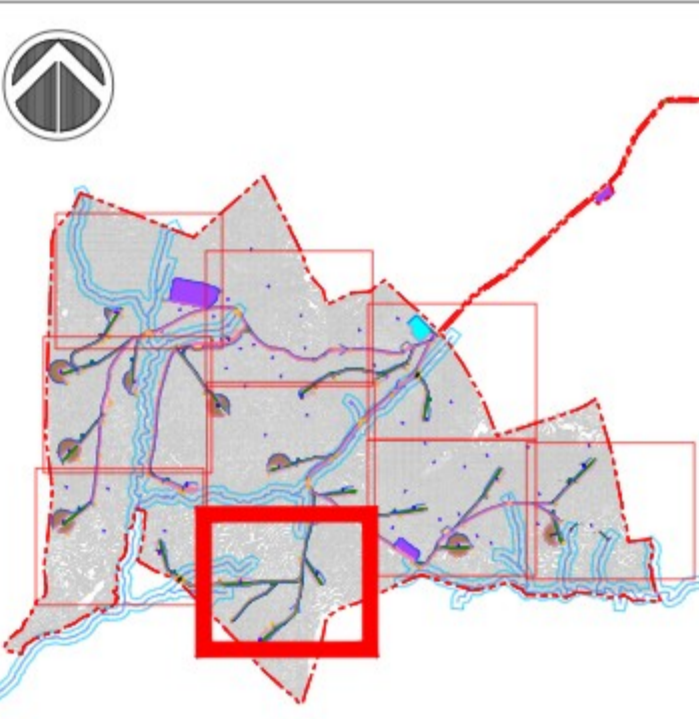
- PROPOSED TURBINE
- PROPOSED MET MAST LOCATION
- HARDSTAND
- PROPOSED NEW ROADS
- EXISTING ROADS - UPGRADE PROPOSED
- PROPOSED CONSTRUCTION COMPOUND
- PEAT PLACEMENT AREAS
- EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
- PROPOSED BORROW PITS
- EXISTING STREAM WITH 50m BUFFER ZONE
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- - - PROPOSED NEW WATERCOURSE CROSSING
- UPSLOPE INTERCEPTOR DRAIN
- SWALES / DOWNSLOPE INTERCEPTOR DRAIN
- ▭ STILLING POND - CLEAN WATER
- ▭ STILLING POND - DIRTY WATER
- UPSLOPE INTERCEPTOR DRAIN - CULVERT
- DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
- CHECK DAMS
- - - SILT FENCES
- - - DOUBLE SILT FENCES
- DIRECTION OF FLOW
- ▲ LS LEVEL SPREADER
- EXISTING CONTOURS (1m INTERVAL)

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MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE

MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS:	1) APPLICATION OF 50M BUFFER ZONES TO NATURAL WATERCOURSES WHERE POSSIBLE 2) APPLICATION OF 10M BUFFER ZONES TO MAIN DRAINS WHERE POSSIBLE 3) USING SMALL WORKING AREAS 4) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
SOURCE CONTROLS:	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS/ OVERSIZED SWALES, VEE- DRAINS, DIVERSION DRAINS, FLUMES AND CULVERT PIPES 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A. SAND BAGS B. OYSTER BAGS FILLED WITH GRAVEL C. FILTER FABRICS D. AND OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS 3) USING SMALL WORKING AREAS 4) SURROUNDING STOCKPILES WITH SILT FENCING 5) WEATHERING OFF/ SEALING PEAT STOCKPILES
IN-LINE CONTROLS:	1) INTERCEPTOR DRAINS, VEE-DRAINS, OVERSIZED SWALES/ COLLECTOR DRAINS 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A. SAND BAGS B. OYSTER BAGS FILLED WITH GRAVEL C. FILTER FABRICS D. STRAW BALES E. FLOW LIMITERS F. WEIRS OR BAFFLES G. AND/ OR OTHER SIMILAR OR EQUIVALENT OR APPROPRIATE SYSTEMS 3) SILT FENCES, FILTER FABRICS 4) IN STREAM SEDIMENTS 5) COLLECTION SUMPS, TEMPORARY SUMPS, PUMPING SYSTEMS 6) ATTENUATION LAGOONS 7) SEDIMENT TRAPS, SILTING / SETTLEMENT PONDS
WATER TREATMENT CONTROLS:	1) TEMPORARY SUMPS 2) ATTENUATION PONDS 3) TEMPORARY STORAGE LAGOONS 4) SEDIMENT TRAPS, STILLING / SETTLEMENT PONDS 5) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILT BUSTER, AND/ OR OTHER SIMILAR / EQUIVALENT OR APPROPRIATE SYSTEMS 6) SILT DEWATERING BAGS
OUTFALL CONTROLS:	1) LEVEL SPREADERS 2) BUFFERED OUTFALLS 3) VEGETATION FILTERS 4) SILT DEWATERING BAGS 5) FLOW LIMITERS AND WEIRS



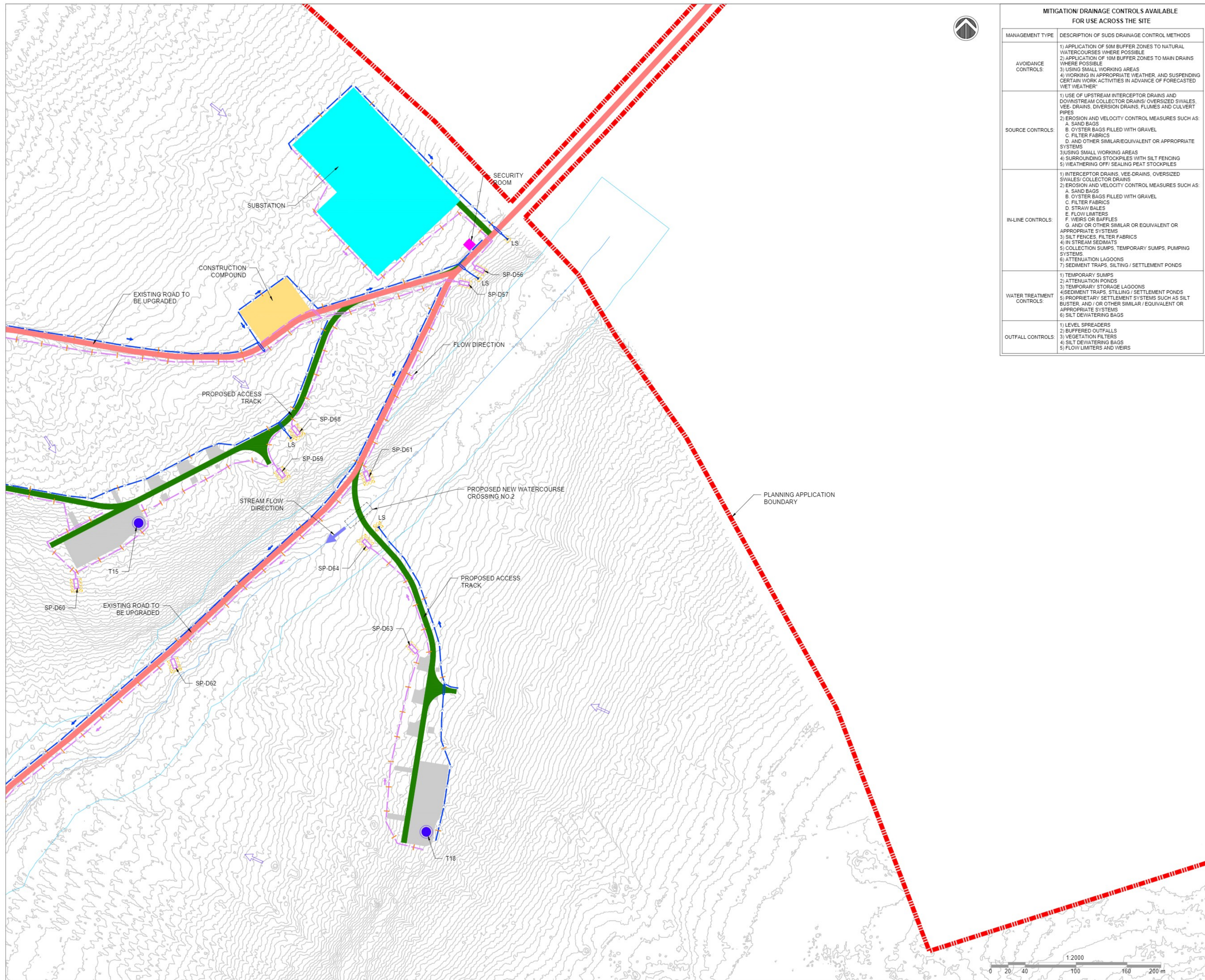
LOCATION PLAN
SCALE - NTS

Drawing Title: **PROPOSED DRAINAGE LAYOUT SHEET 6 OF 9**

Project Title: **SSE GLENORA WIND FARM**

Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-6
Scale: 1:2000	Date: 27-11-2023



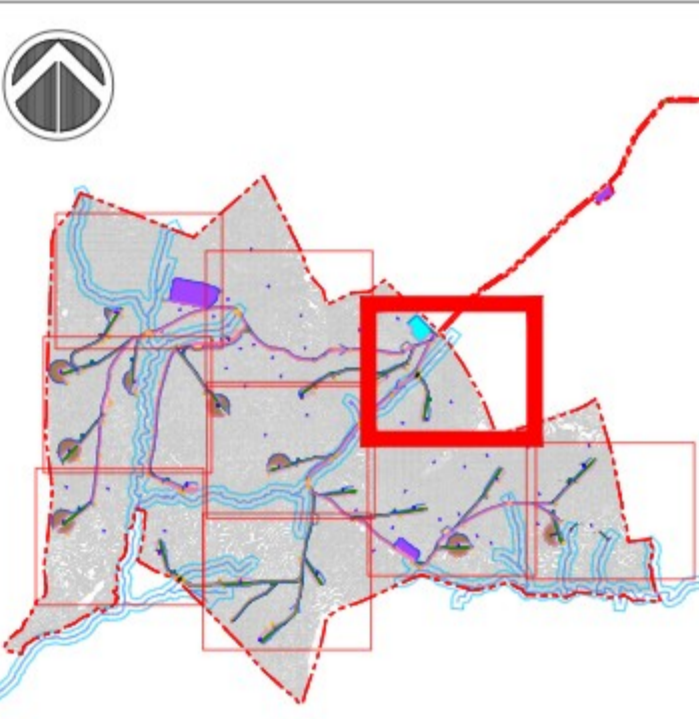


MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS:	1) APPLICATION OF 50M BUFFER ZONES TO NATURAL WATERCOURSES WHERE POSSIBLE 2) APPLICATION OF 10M BUFFER ZONES TO MAIN DRAINS WHERE POSSIBLE 3) USING SMALL WORKING AREAS 4) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
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IN-LINE CONTROLS:	1) INTERCEPTOR DRAINS, VEE-DRAINS, OVERSIZED SWALES/ COLLECTOR DRAINS 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A. SAND BAGS B. OYSTER BAGS FILLED WITH GRAVEL C. FILTER FABRICS D. STRAW SALES E. FLOW LIMITERS F. WEIRS OR BAFFLES G. AND/ OR OTHER SIMILAR OR EQUIVALENT OR APPROPRIATE SYSTEMS 3) SILT FENCES, FILTER FABRICS 4) IN STREAM SEDIMATS 5) COLLECTION SUMPS, TEMPORARY SUMPS, PUMPING SYSTEMS 6) ATTENUATION LAGOONS 7) SEDIMENT TRAPS, SILTING / SETTLEMENT PONDS
WATER TREATMENT CONTROLS:	1) TEMPORARY SUMPS 2) ATTENUATION PONDS 3) TEMPORARY STORAGE LAGOONS 4) SEDIMENT TRAPS, STILLING / SETTLEMENT PONDS 5) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILT BUSTER, AND / OR OTHER SIMILAR / EQUIVALENT OR APPROPRIATE SYSTEMS 6) SILT DEWATERING BAGS
OUTFALL CONTROLS:	1) LEVEL SPREADERS 2) BUFFERED OUTFALLS 3) VEGETATION FILTERS 4) SILT DEWATERING BAGS 5) FLOW LIMITERS AND WEIRS

LEGEND :	
	PROPOSED TURBINE
	PROPOSED MET MAST LOCATION
	HARDSTAND
	PROPOSED NEW ROADS
	EXISTING ROADS - UPGRADE PROPOSED
	PROPOSED CONSTRUCTION COMPOUND
	PEAT PLACEMENT AREAS
	EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
	PROPOSED BORROW PITS
	EXISTING STREAM WITH 50m BUFFER ZONE
	EXISTING CULVERT
	PROPOSED NEW WATERCOURSE CROSSING
	SWALES/ INTERCEPTOR DRAIN
	SWALES / DOWNSLOPE INTERCEPTOR DRAIN
	STILLING POND - CLEAN WATER
	STILLING POND - DIRTY WATER
	UPSLOPE INTERCEPTOR DRAIN - CULVERT
	DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
	CHECK DAMS
	SILT FENCES
	DOUBLE SILT FENCES
	DIRECTION OF FLOW
	LEVEL SPREADER
	EXISTING CONTOURS (1m INTERVAL)

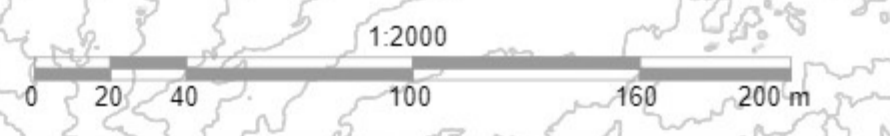
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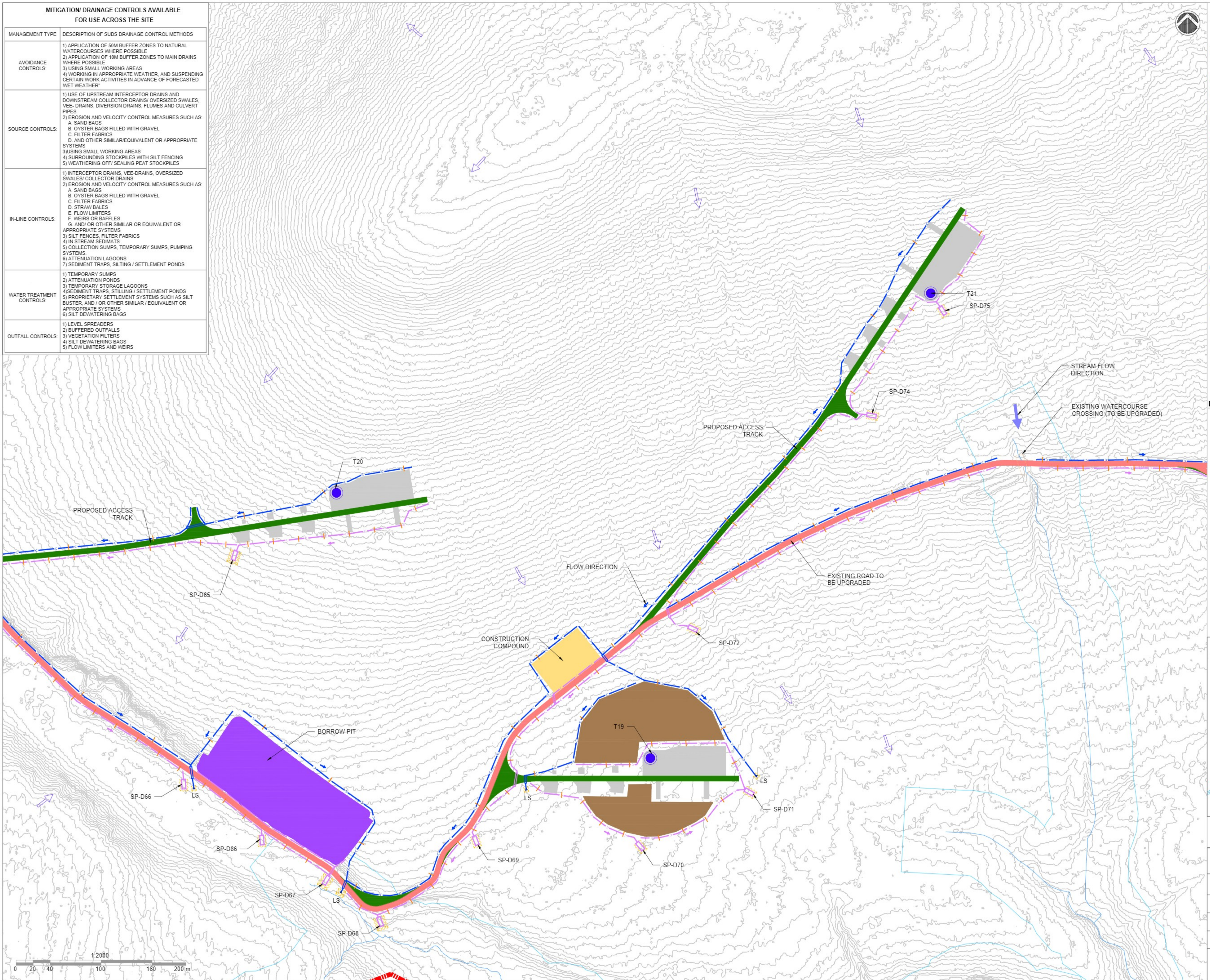


LOCATION PLAN
SCALE - NTS

Drawing Title: PROPOSED DRAINAGE LAYOUT SHEET 7 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-7
Scale: 1:2000	Date: 27-11-2023



MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS:	1) APPLICATION OF 50M BUFFER ZONES TO NATURAL WATERCOURSES WHERE POSSIBLE 2) APPLICATION OF 10M BUFFER ZONES TO MAIN DRAINS WHERE POSSIBLE 3) USING SMALL WORKING AREAS 4) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
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WATER TREATMENT CONTROLS:	1) TEMPORARY SUMPS 2) ATTENUATION PONDS 3) TEMPORARY STORAGE LAGOONS 4) SEDIMENT TRAPS, STILLING / SETTLEMENT PONDS 5) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILT BUSTER, AND / OR OTHER SIMILAR / EQUIVALENT OR APPROPRIATE SYSTEMS 6) SILT DEWATERING BAGS
OUTFALL CONTROLS:	1) LEVEL SPREADERS 2) BUFFERED OUTFALLS 3) VEGETATION FILTERS 4) SILT DEWATERING BAGS 5) FLOW LIMITERS AND WEIRS

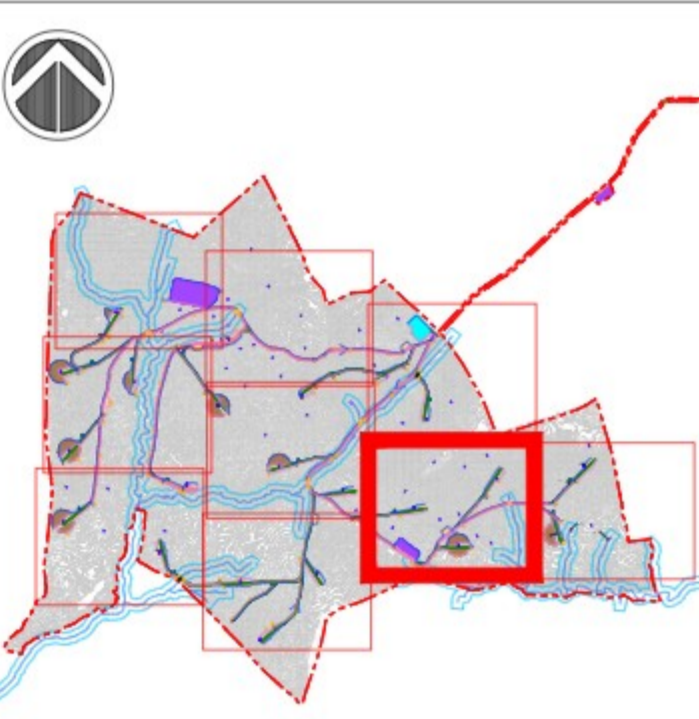


LEGEND :

- PROPOSED TURBINE
- PROPOSED MET MAST LOCATION
- HARDSTAND
- PROPOSED NEW ROADS
- EXISTING ROADS - UPGRADE PROPOSED
- PROPOSED CONSTRUCTION COMPOUND
- PEAT PLACEMENT AREAS
- EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
- PROPOSED BORROW PITS
- EXISTING STREAM WITH 50m BUFFER ZONE
- EXISTING CULVERT
- PROPOSED NEW WATERCOURSE CROSSING
- SWALES / INTERCEPTOR DRAIN
- SWALES / DOWNSLOPE INTERCEPTOR DRAIN
- STILLING POND - CLEAN WATER
- STILLING POND - DIRTY WATER
- UPSLOPE INTERCEPTOR DRAIN - CULVERT
- DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
- + CHECK DAMS
- + SILT FENCES
- + DOUBLE SILT FENCES
- DIRECTION OF FLOW
- ▲ LS LEVEL SPREADER
- EXISTING CONTOURS (1m INTERVAL)

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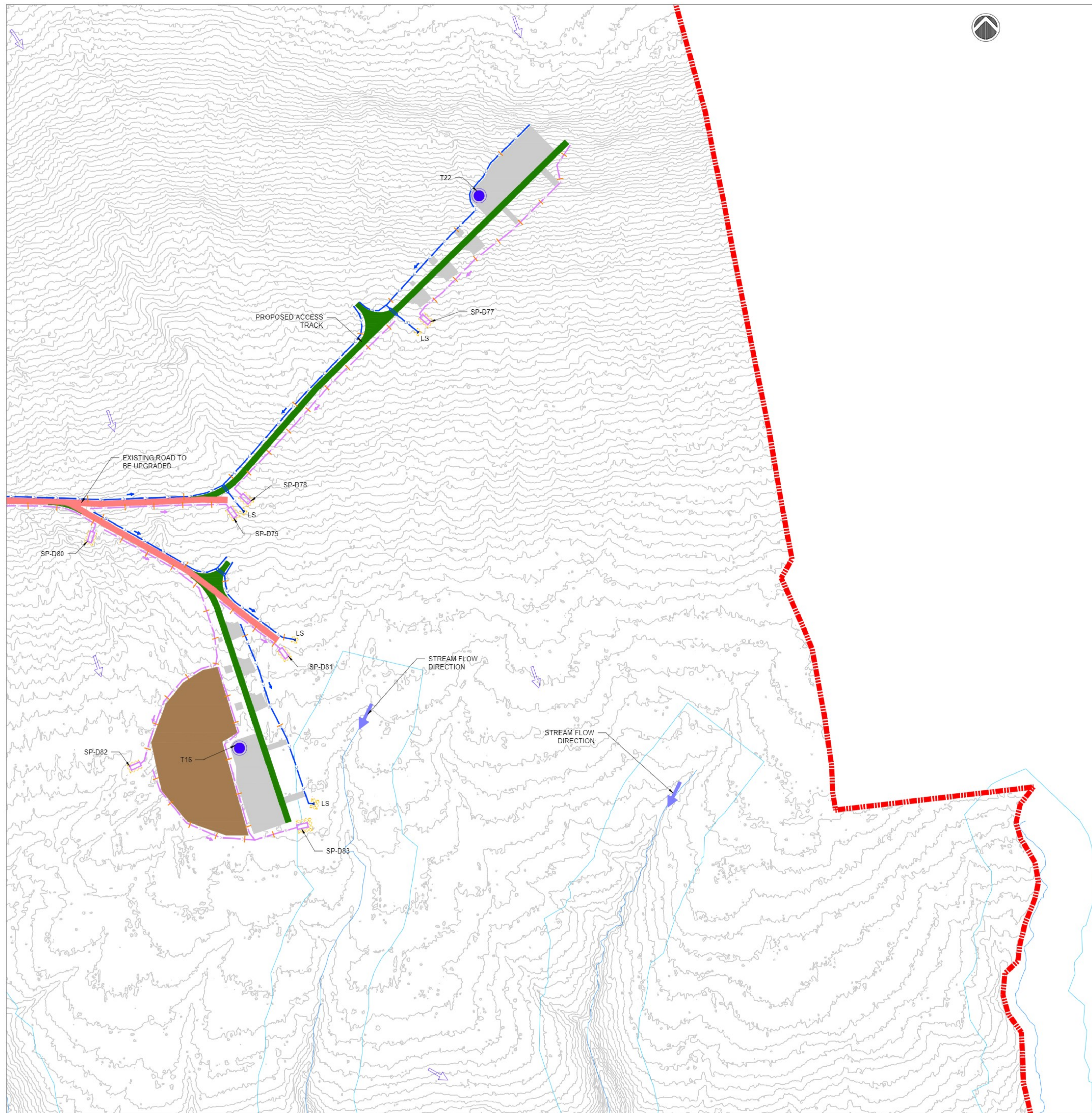
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LOCATION PLAN
SCALE - NTS

Drawing Title: PROPOSED DRAINAGE LAYOUT SHEET 8 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-8
Scale: 1:2000	Date: 27-11-2023



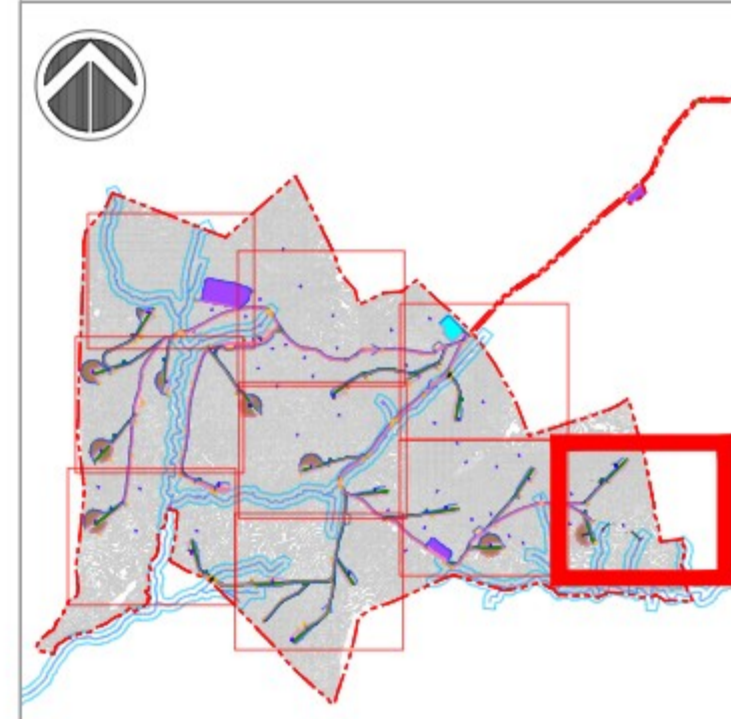


MITIGATION/ DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS:	1) APPLICATION OF 50M BUFFER ZONES TO NATURAL WATERCOURSES WHERE POSSIBLE 2) APPLICATION OF 10M BUFFER ZONES TO MAIN DRAINS WHERE POSSIBLE 3) USING SMALL WORKING AREAS 4) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
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LEGEND :	
	PROPOSED TURBINE
	PROPOSED MET MAST LOCATION
	HARDSTAND
	PROPOSED NEW ROADS
	EXISTING ROADS - UPGRADE PROPOSED
	PROPOSED CONSTRUCTION COMPOUND
	PEAT PLACEMENT AREAS
	EXISTING ROADS - UPGRADE REQUIRED (NOT PROPOSED)
	PROPOSED BORROW PITS
	EXISTING STREAM WITH 50m BUFFER ZONE
	EXISTING CULVERT
	PROPOSED NEW WATERCOURSE CROSSING
	UPSLOPE INTERCEPTOR DRAIN
	SWALES / DOWNSLOPE INTERCEPTOR DRAIN
	STILLING POND - CLEAN WATER
	STILLING POND - DIRTY WATER
	UPSLOPE INTERCEPTOR DRAIN - CULVERT
	DOWNSLOPE INTERCEPTOR DRAIN - CULVERT
	CHECK DAMS
	SILT FENCES
	DOUBLE SILT FENCES
	DIRECTION OF FLOW
	LEVEL SPREADER
	EXISTING CONTOURS (1m INTERVAL)

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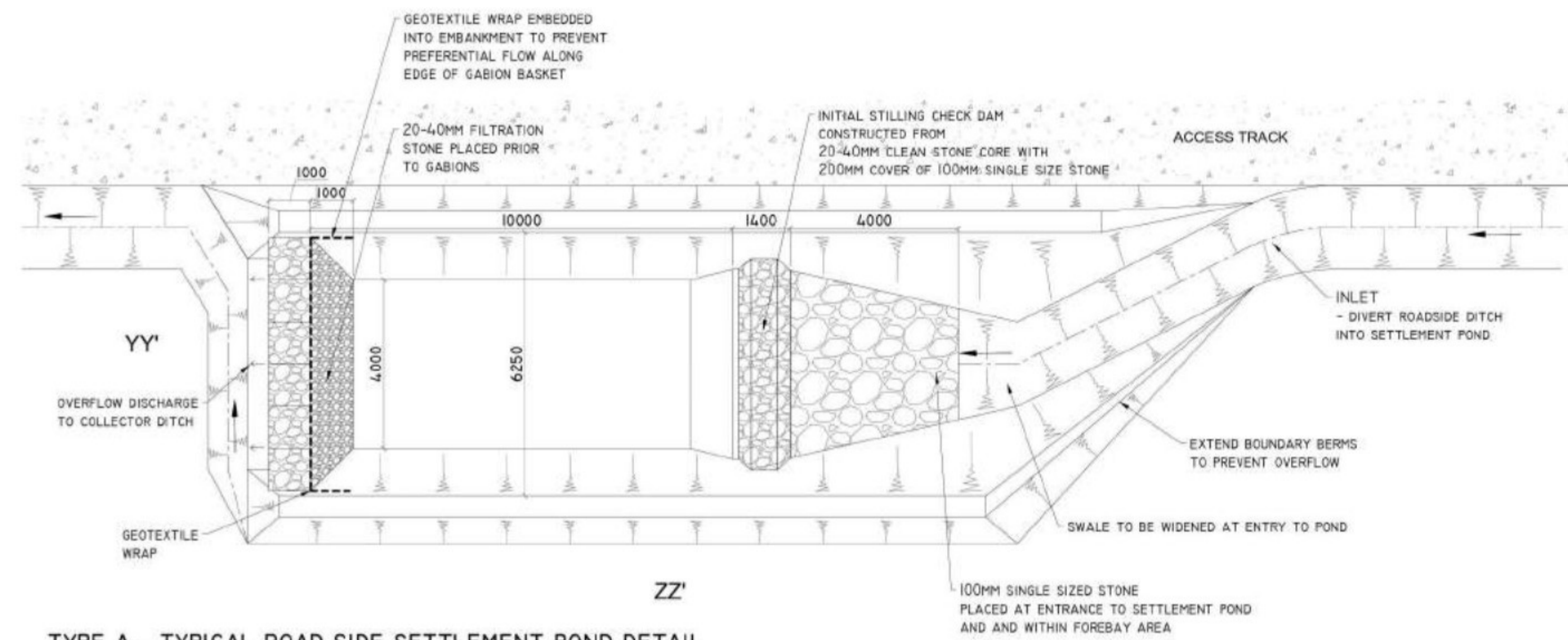
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LOCATION PLAN
SCALE - NTS

Drawing Title: PROPOSED DRAINAGE LAYOUT SHEET 9 OF 9	
Project Title: SSE GLENORA WIND FARM	
Drawn By: RP	Checked By: MH
Project No: 260761	Drawing No: FIG-9
Scale: 1:2000	Date: 27-11-2023

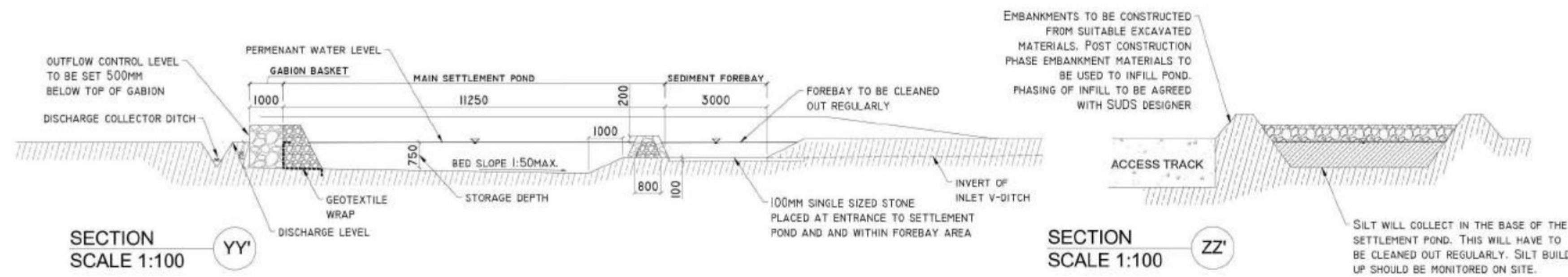




TYPE A - TYPICAL ROAD SIDE SETTLEMENT POND DETAIL
SCALE 1:200 (NOTE DIMENSIONS VARY DEPENDING ON CATCHMENT SIZE - SEE ATTACHED TABLE)

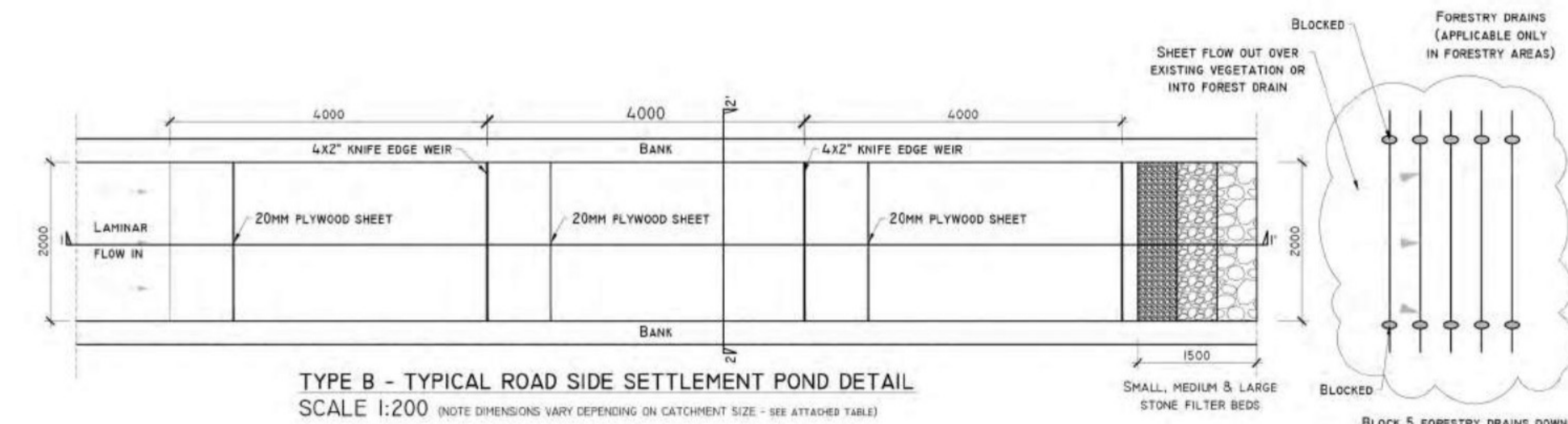
DETAIL A1

RETURN PERIOD	POND SIZE W [M] x L [M] x D [M]			CATCHMENT SIZE (H ²)		
	50 YRS	STORM DURATION		500	1000	2000
6HR RETENTION FOR COARSE SILT	6 HRS		2.8 x 9 x 1 M	4 x 13 x 1 M	5.7 x 18 x 1 M	
11HR RETENTION FOR MEDIUM SILT	12 HRS		3.2 x 10 x 1 M	4.5 x 14 x 1 M	6.4 x 20 x 1 M	
24HR RETENTION FOR FINE SILT	24 HRS		3.5 x 11 x 1 M	5 x 16 x 1 M	7 x 22 x 1 M	

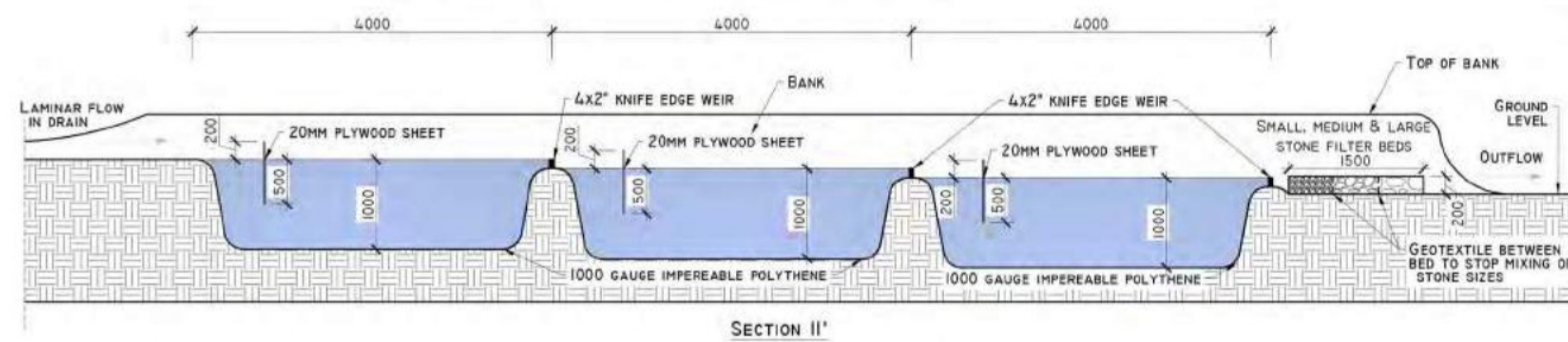


SECTION YY'
SCALE 1:100

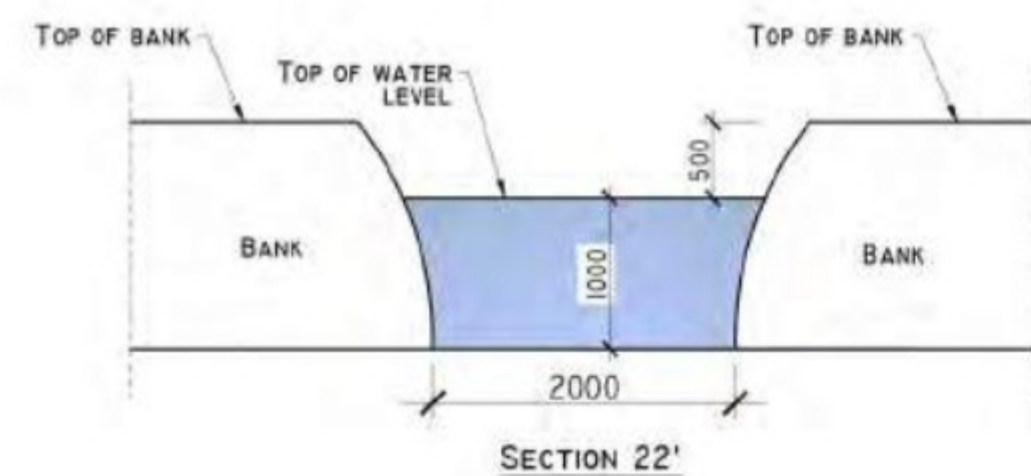
SECTION ZZ'
SCALE 1:100



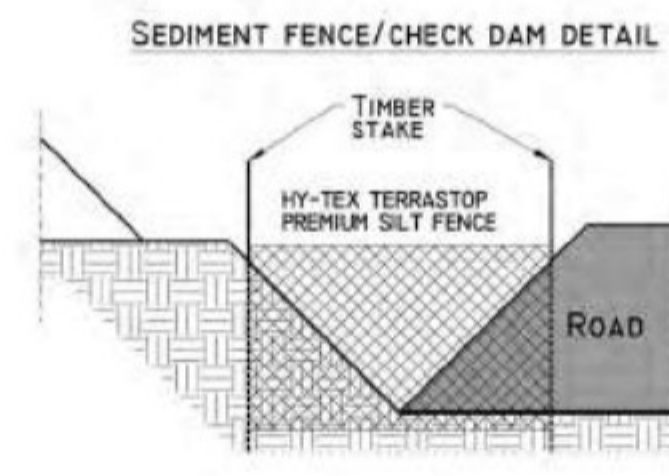
TYPE B - TYPICAL ROAD SIDE SETTLEMENT POND DETAIL
SCALE 1:200 (NOTE DIMENSIONS VARY DEPENDING ON CATCHMENT SIZE - SEE ATTACHED TABLE)



SECTION II'



SECTION 22'



SEDIMENT FENCE/CHECK DAM DETAIL

DETAIL A2

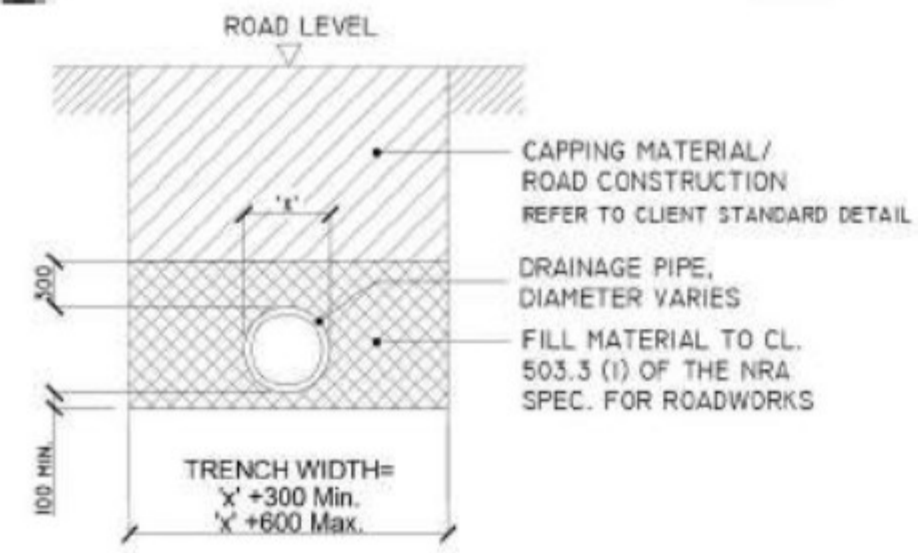
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Drawing Title: DRAINAGE DETAILS - I	
Project Title: SSE GLENORA WIND FARM	
Drawn By: MK	Checked By: EM
Project No. 201120	Drawing No. FIG-10
Scale NTS	Date -

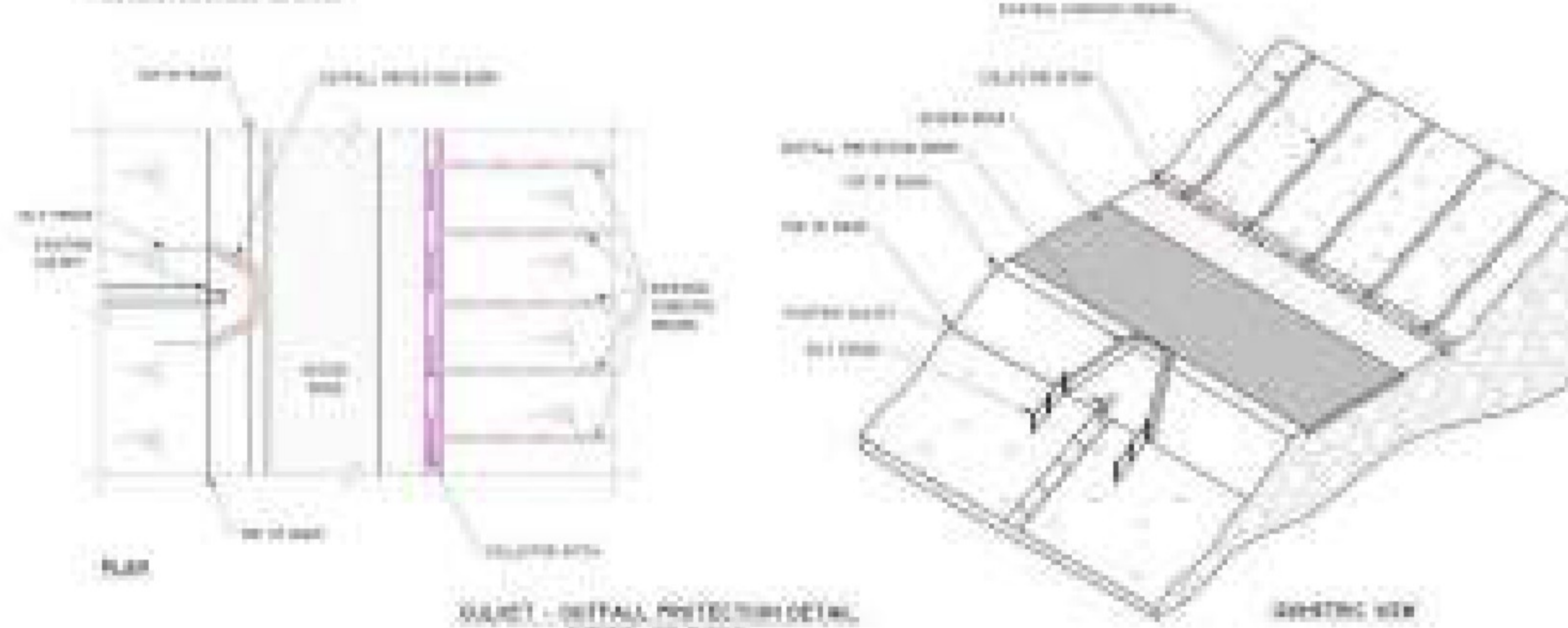


DETAIL B



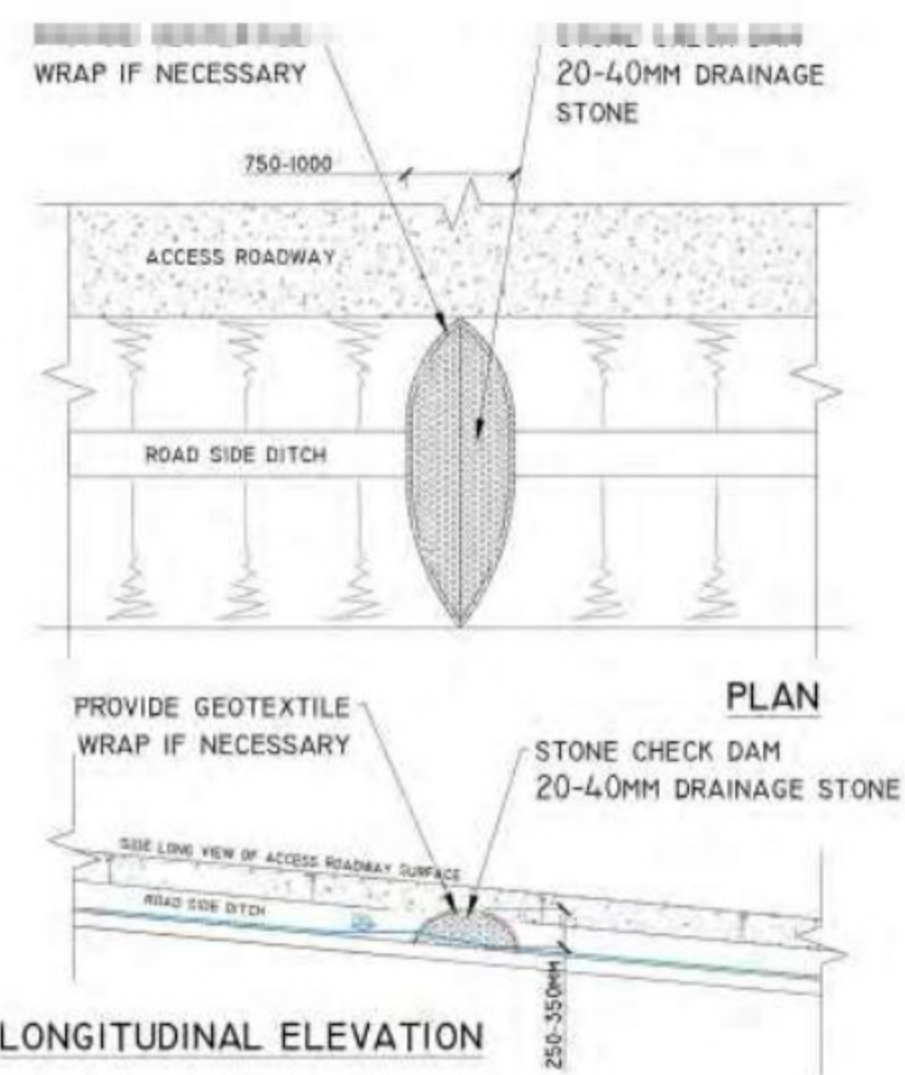
'TYPE B' CULVERT - DRAINAGE CROSSING BENEATH EXCAVATED ROAD
SCALE 1:50

DETAIL BI



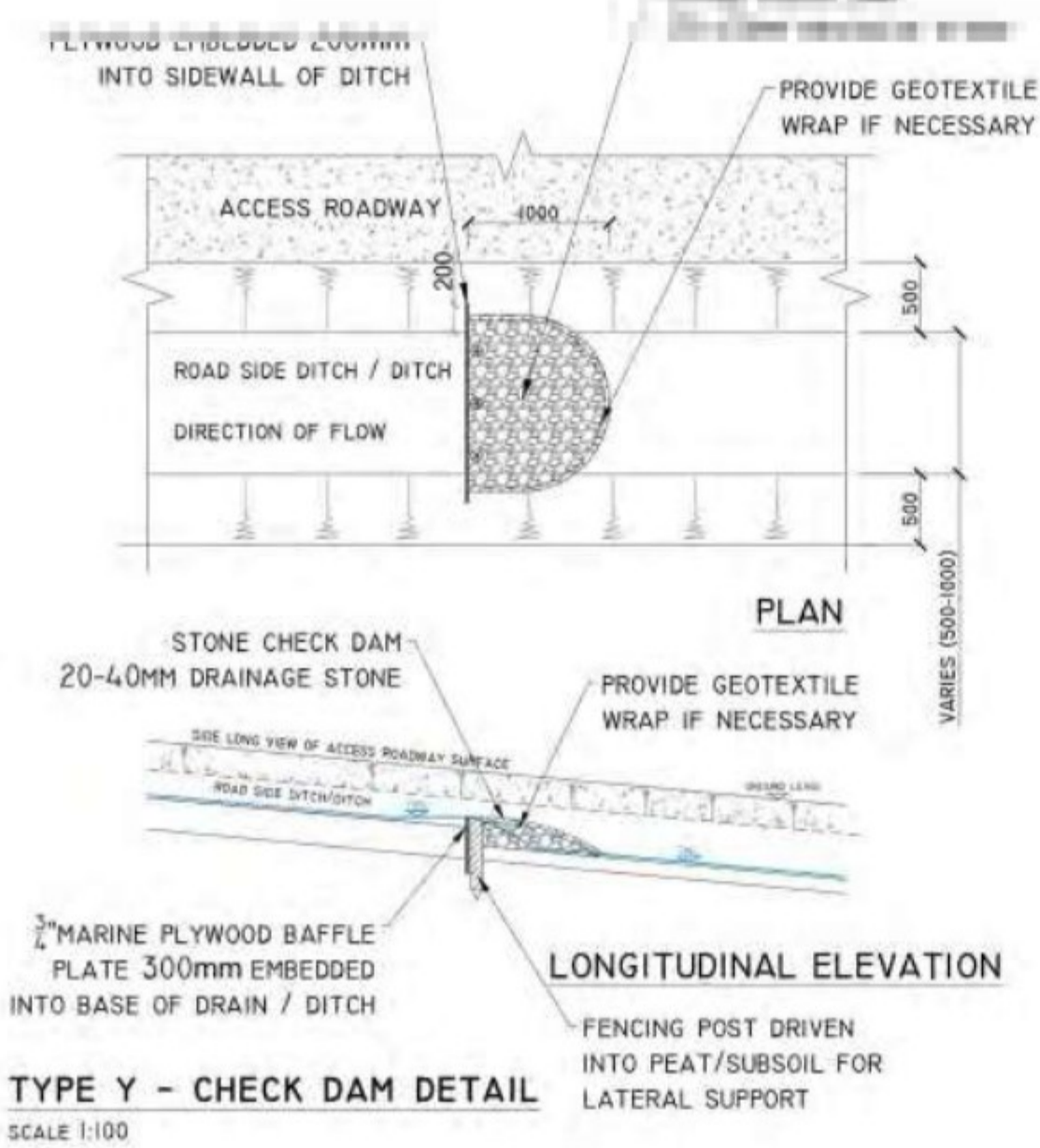
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DETAIL C

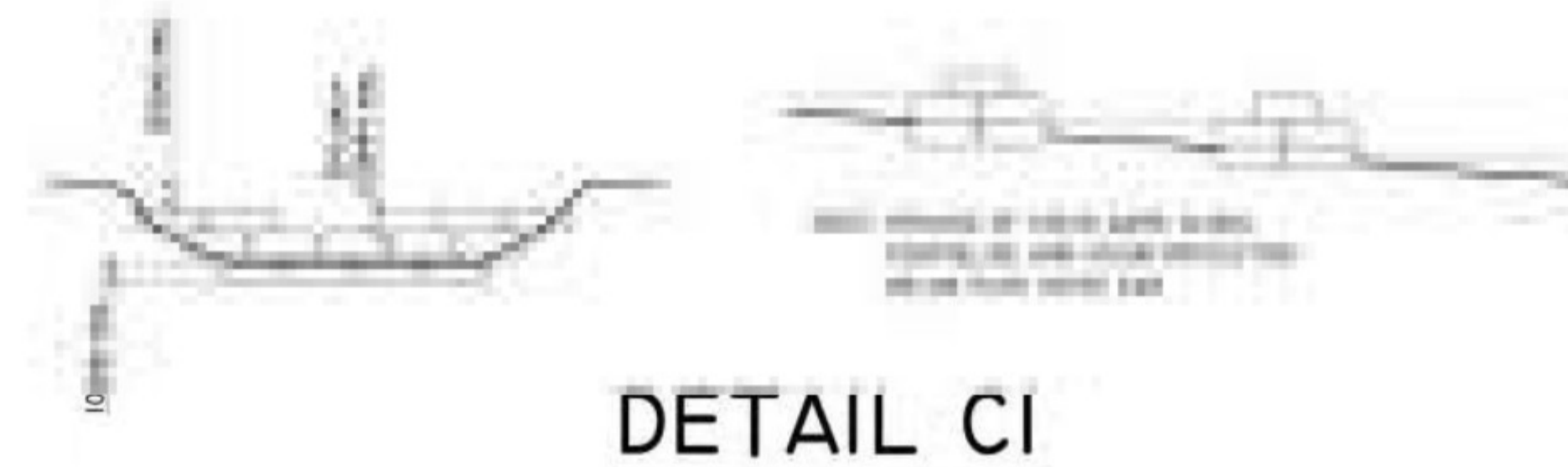


TYPE X - CHECK DAM DETAIL
SCALE 1:50

DETAIL D

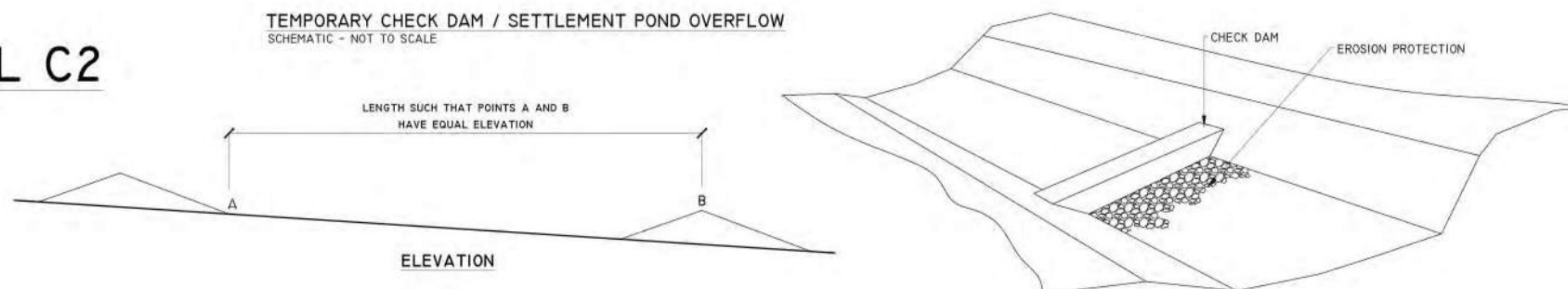


TYPE Y - CHECK DAM DETAIL
SCALE 1:100



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

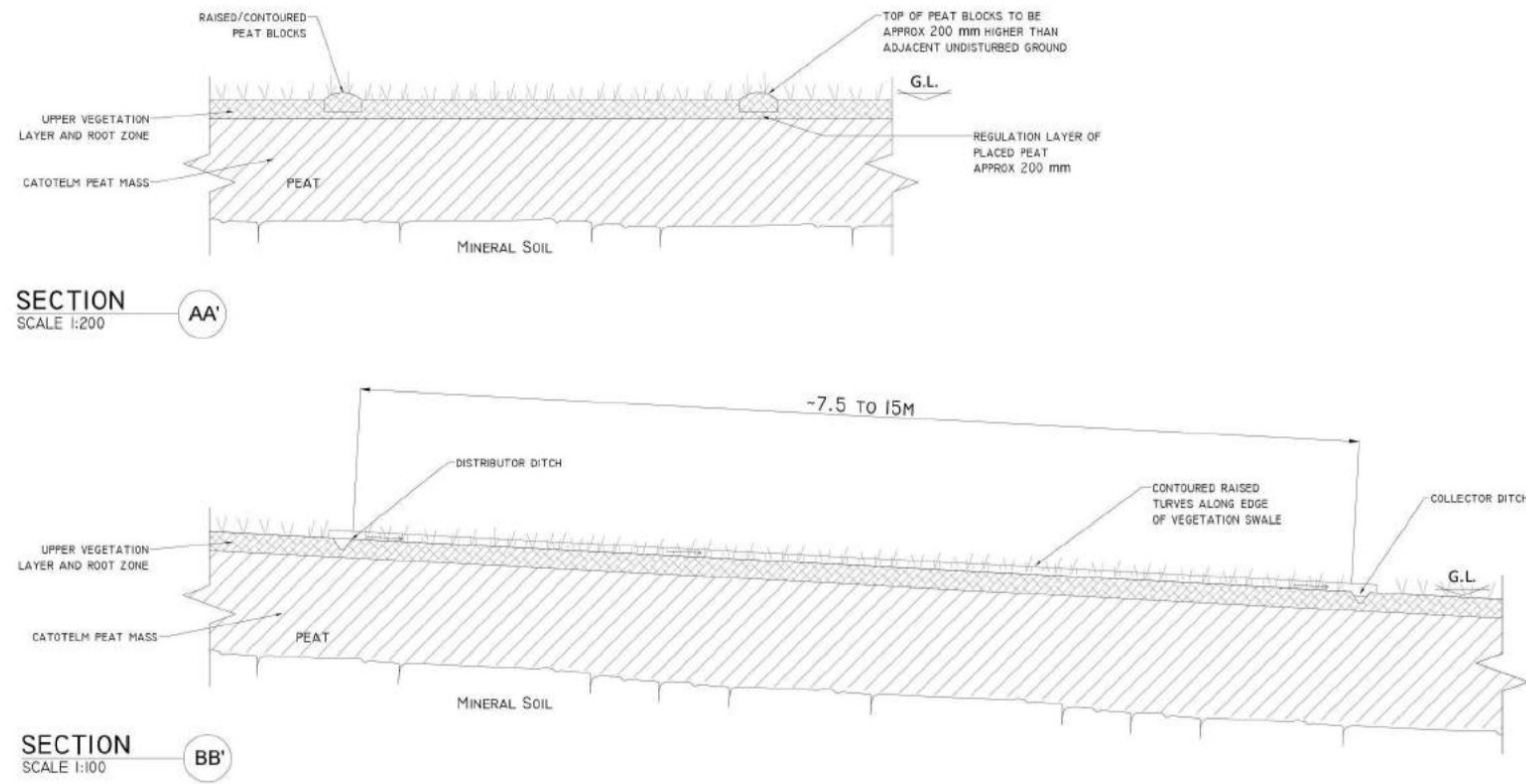
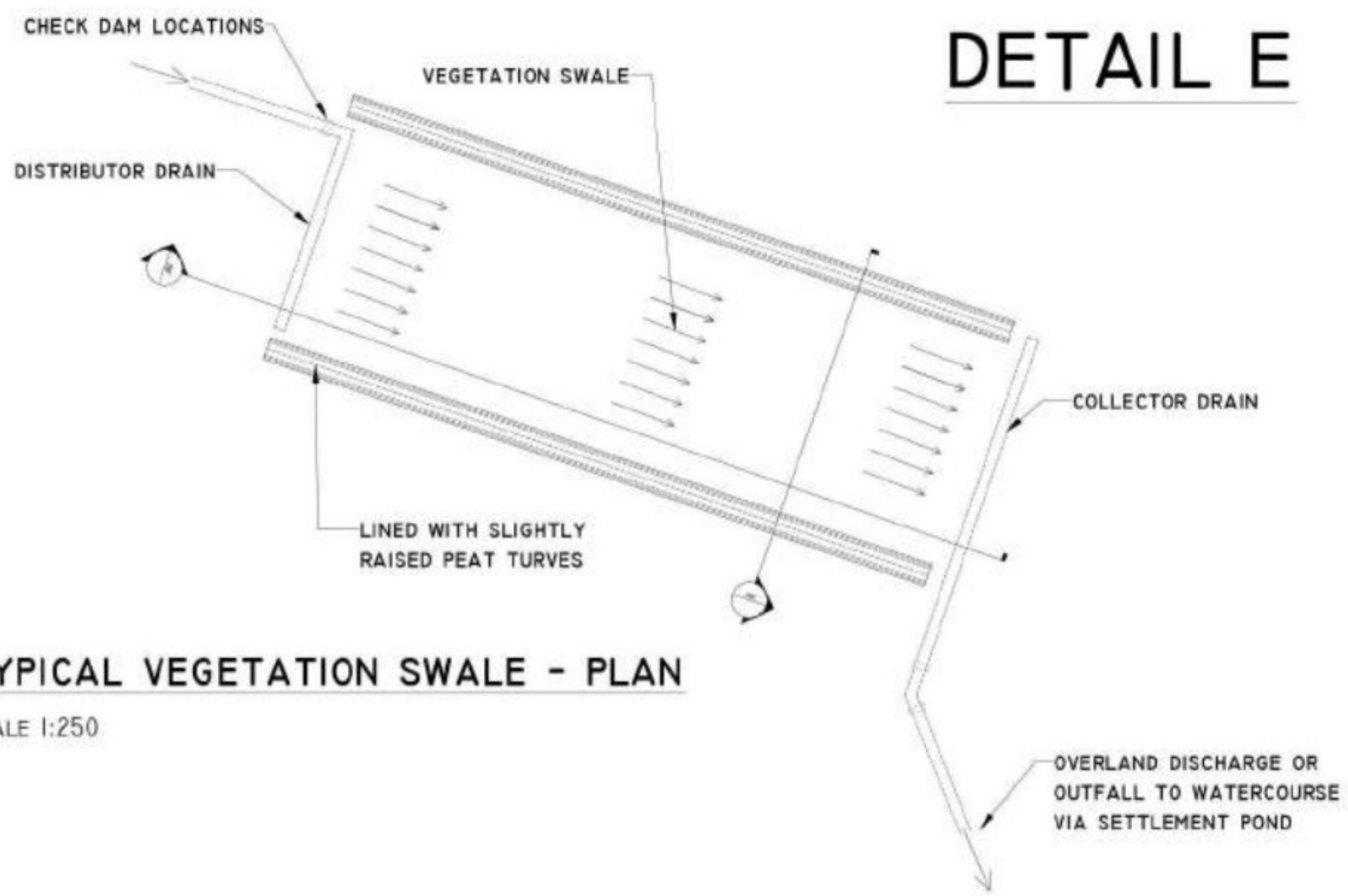
DETAIL C2



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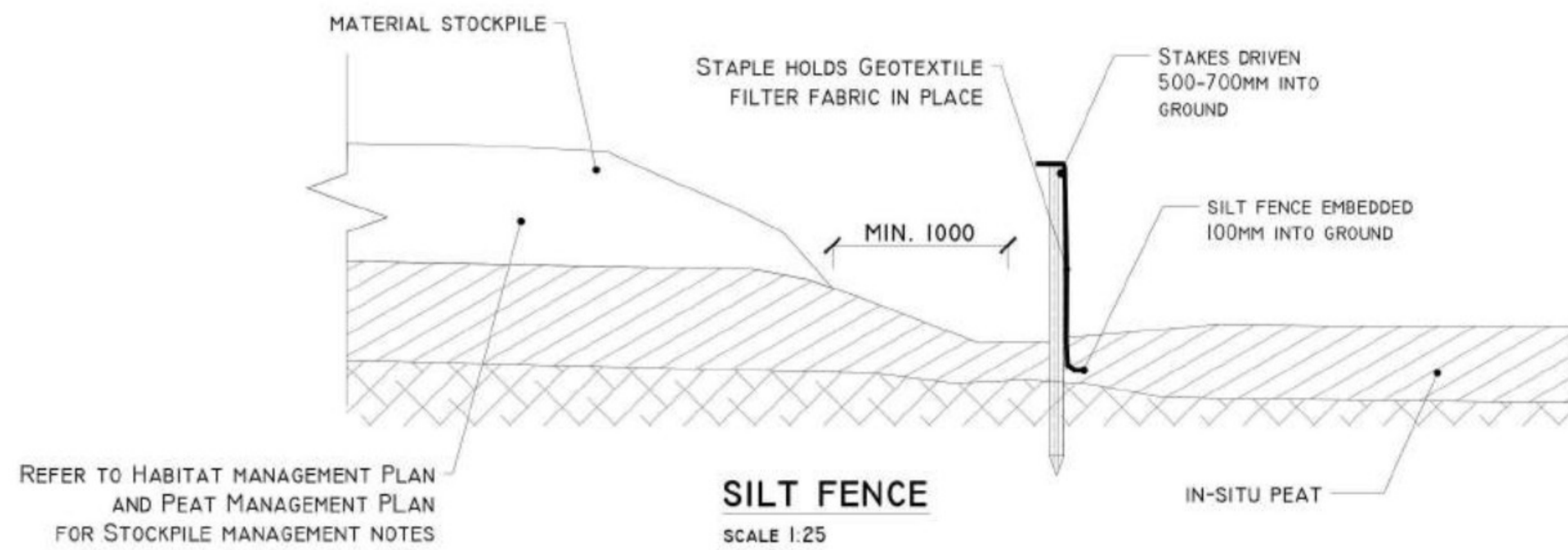
Drawing Title: DRAINAGE DETAILS - II	
Project Title: SSE GLENORA WIND FARM	
Drawn By: MK	Checked By: EM
Project No. 201120	Drawing No. FIG-11
Scale NTS	Date -



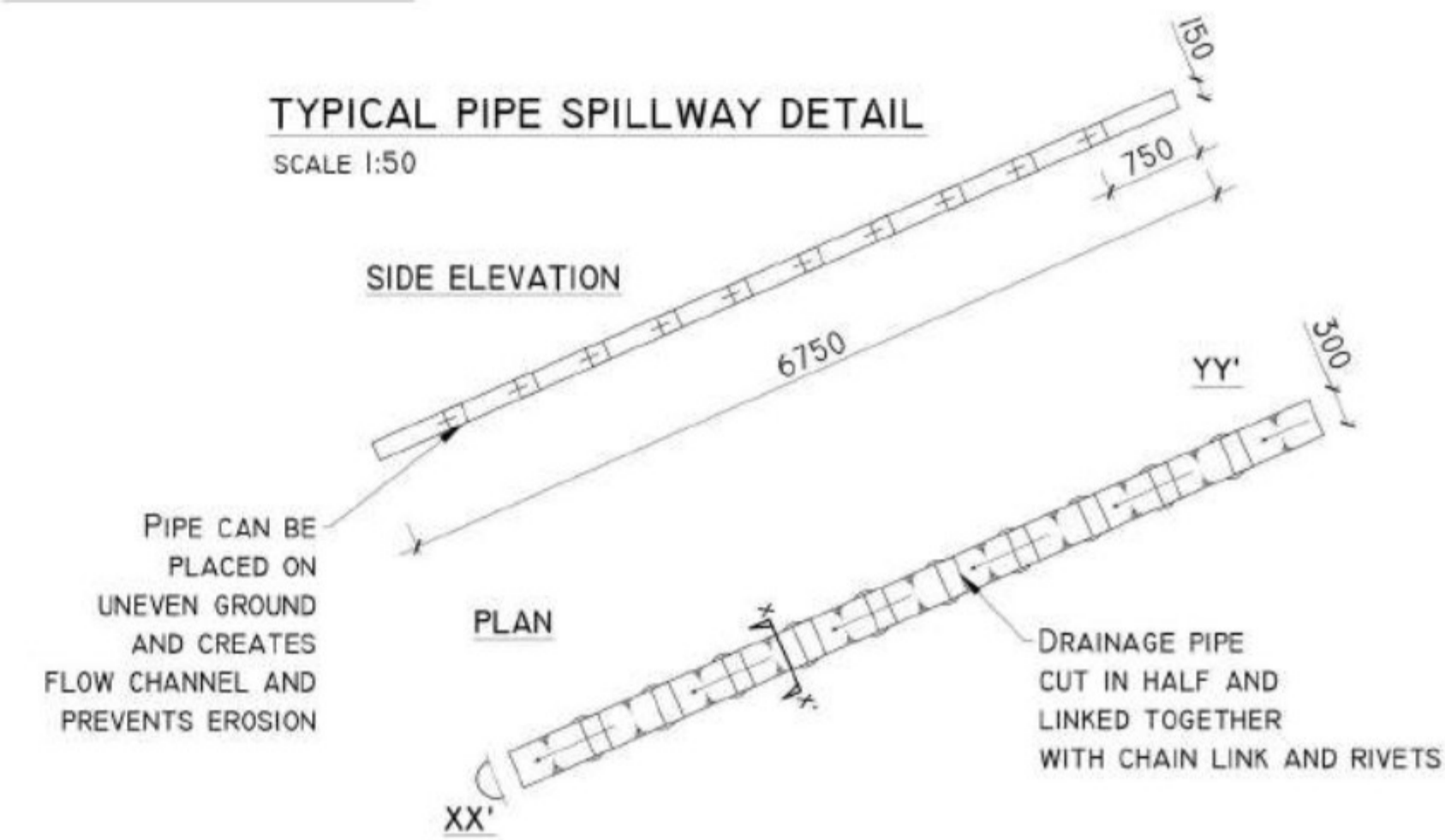


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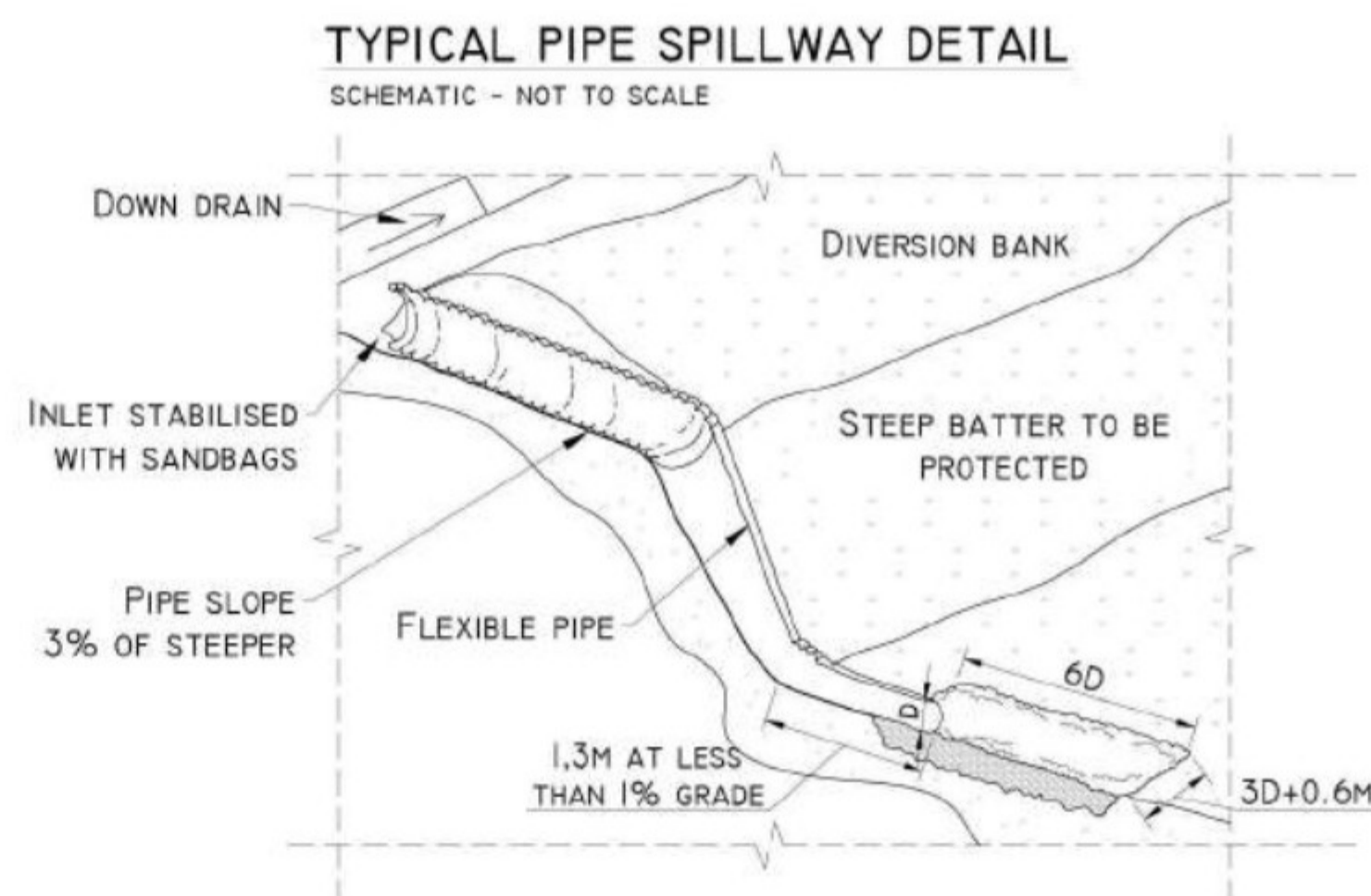
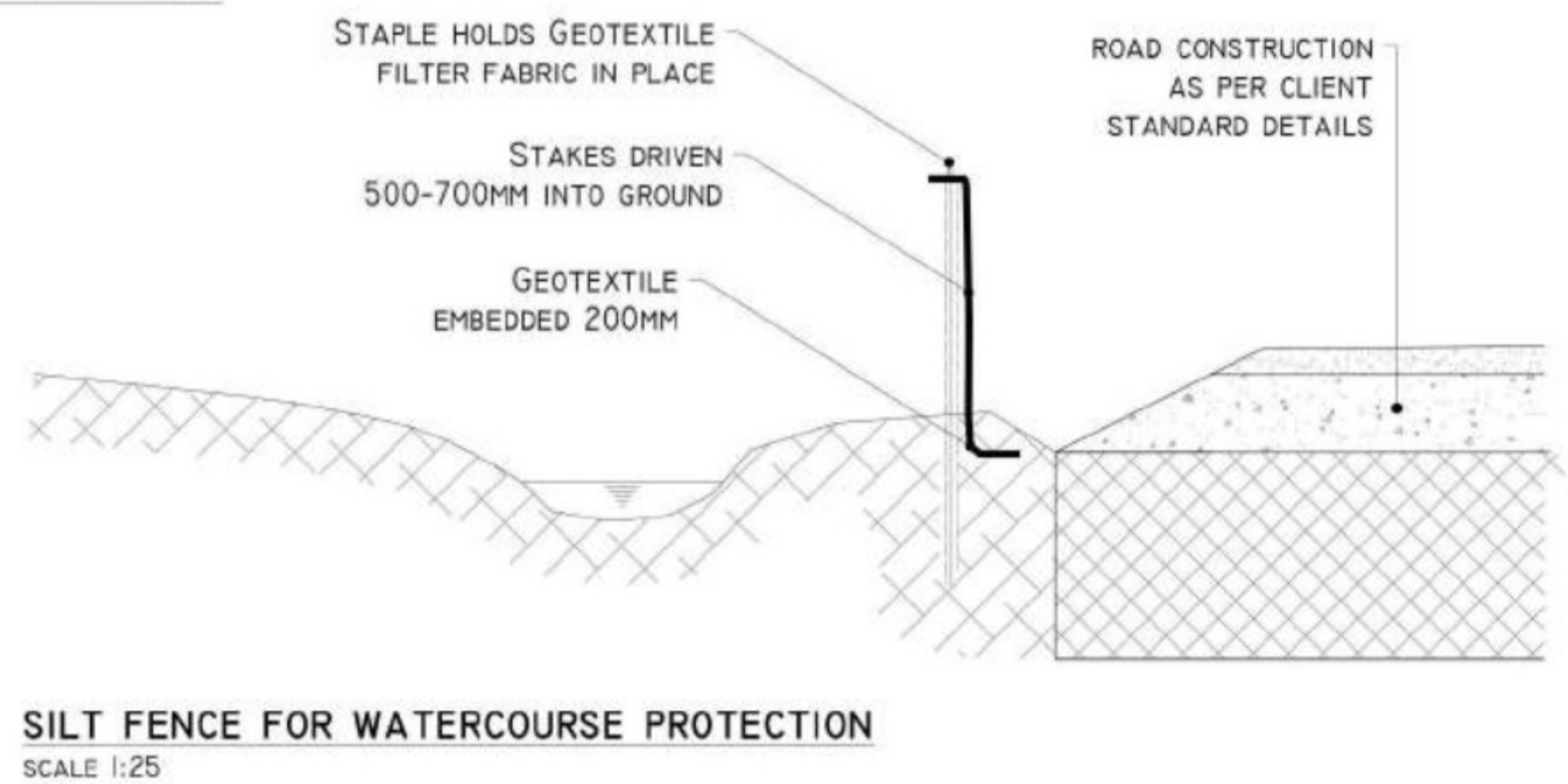
DETAIL F-I



DETAIL G



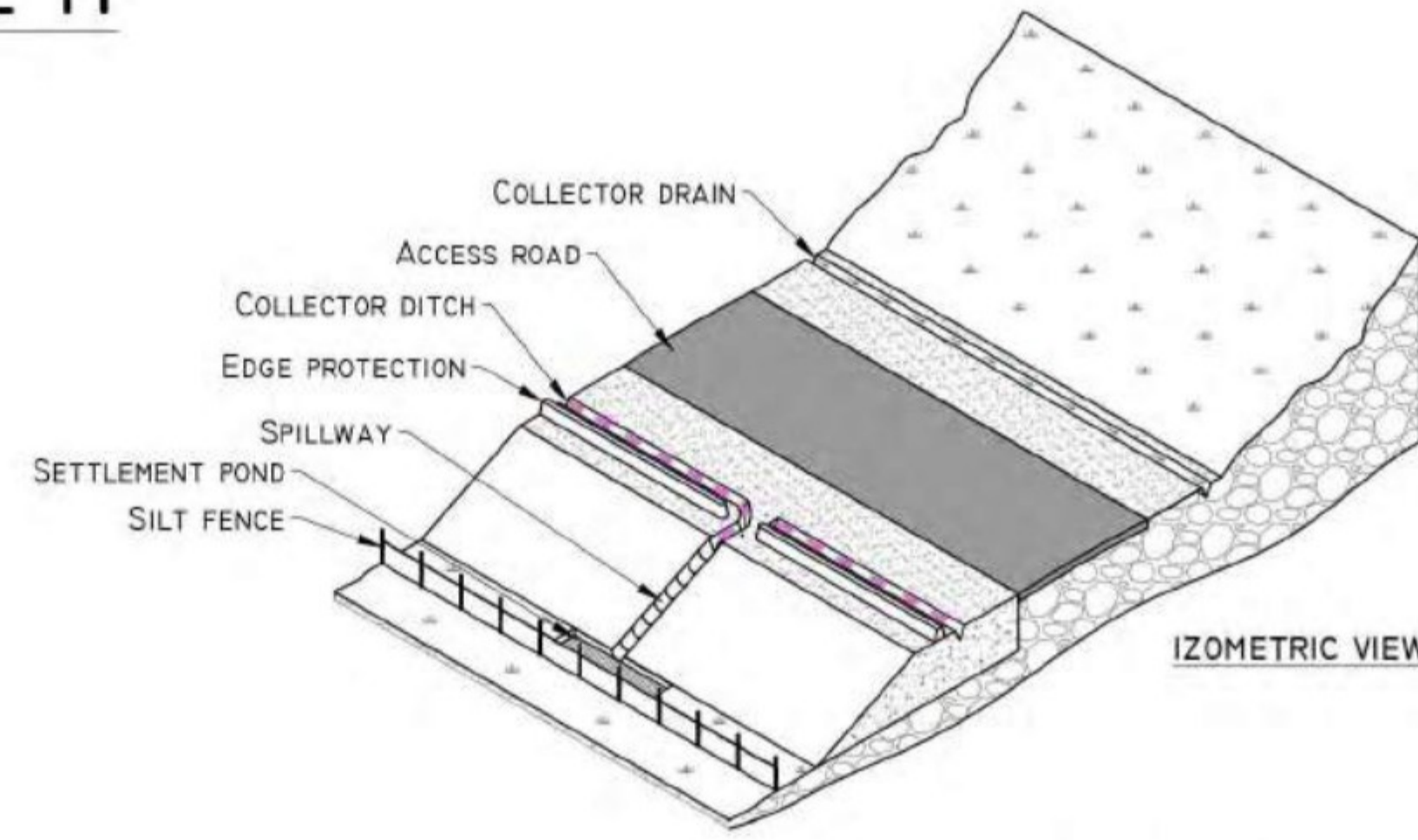
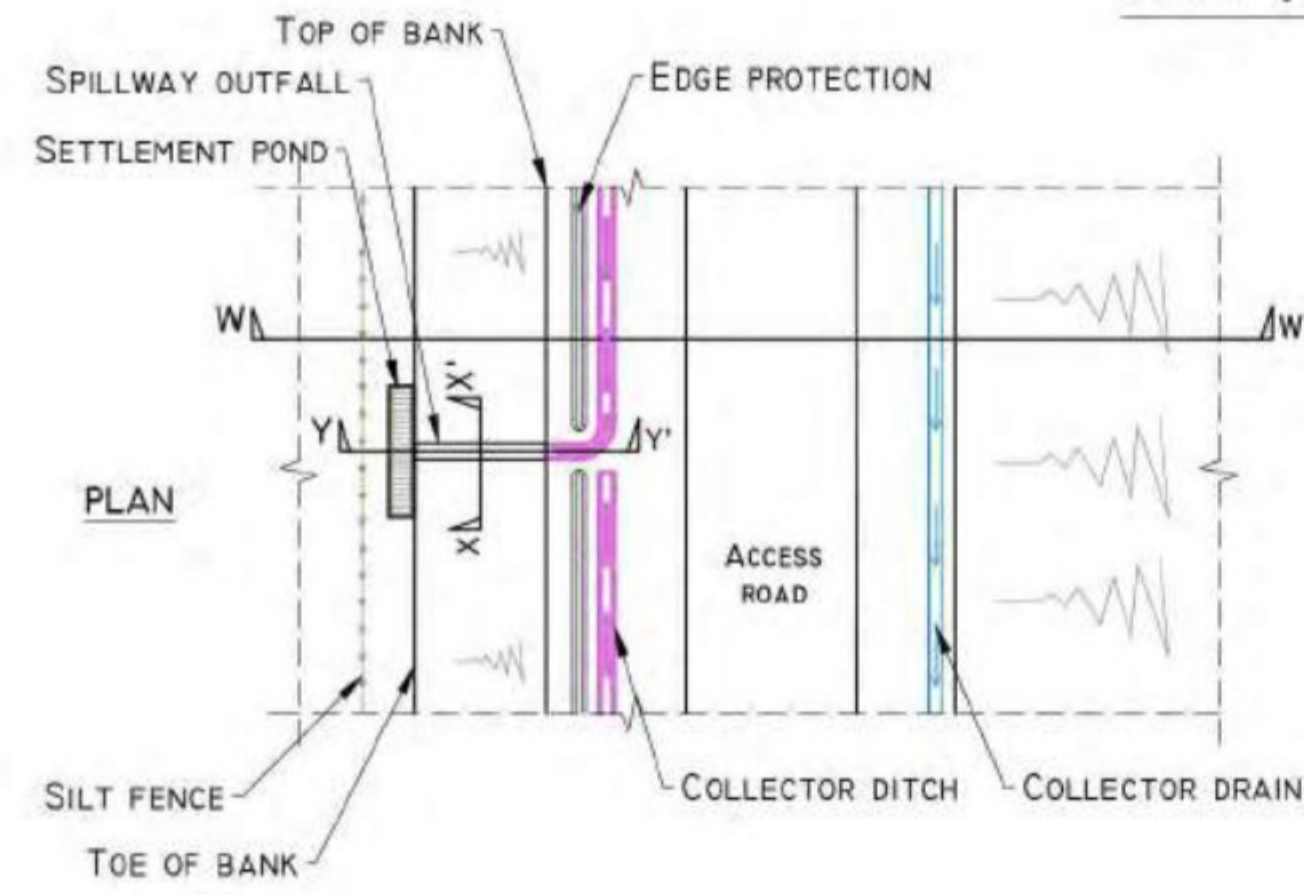
DETAIL F-II



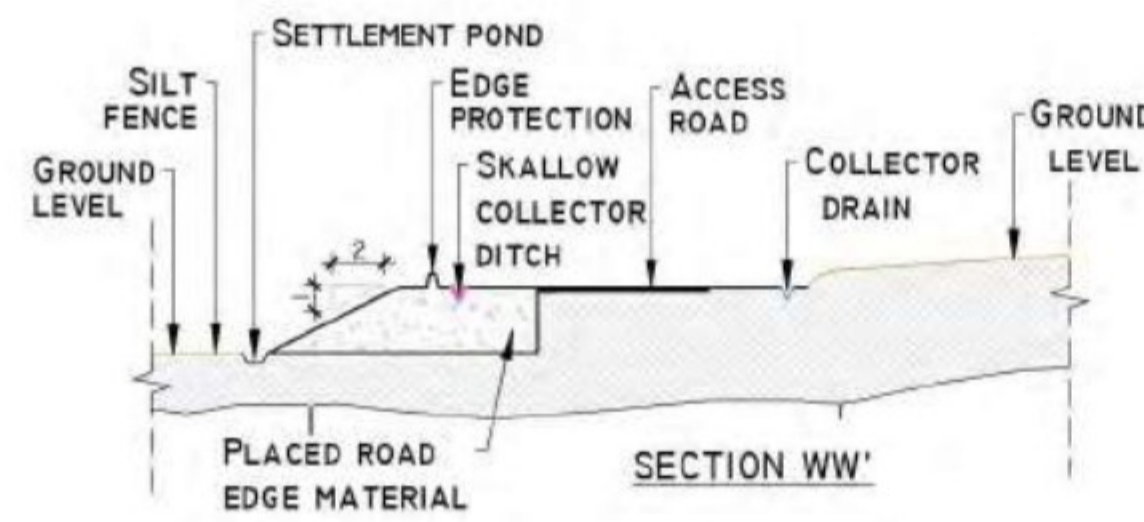
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Drawing Title: DRAINAGE DETAILS - III	
Project Title: SSE GLENORA WIND FARM	
Drawn By: MK	Checked By: EM
Project No. 201120	Drawing No. FIG-12
Scale NTS	Date -

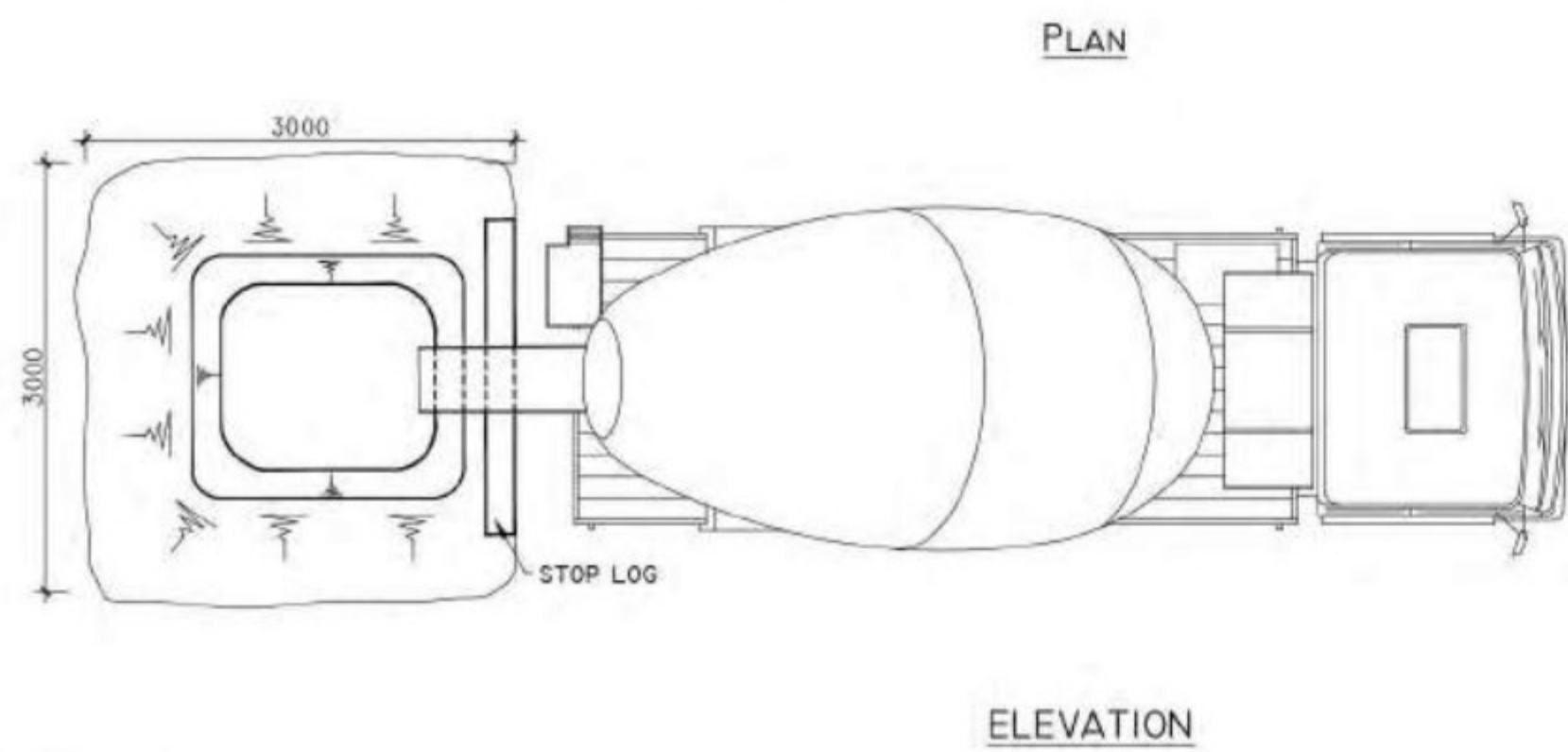
DETAIL H



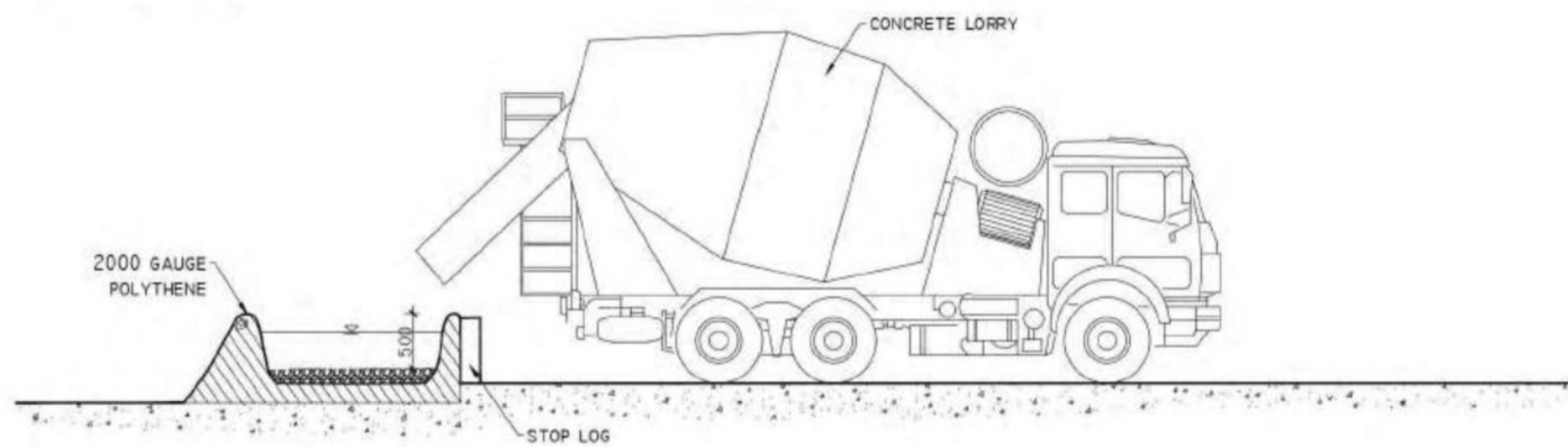
SPILLWAY OUTFALL PLAN
SCHEMATIC - NOT TO SCALE



TEMPORARY CONCRETE WASH OUT PIT
SCALE 1:50

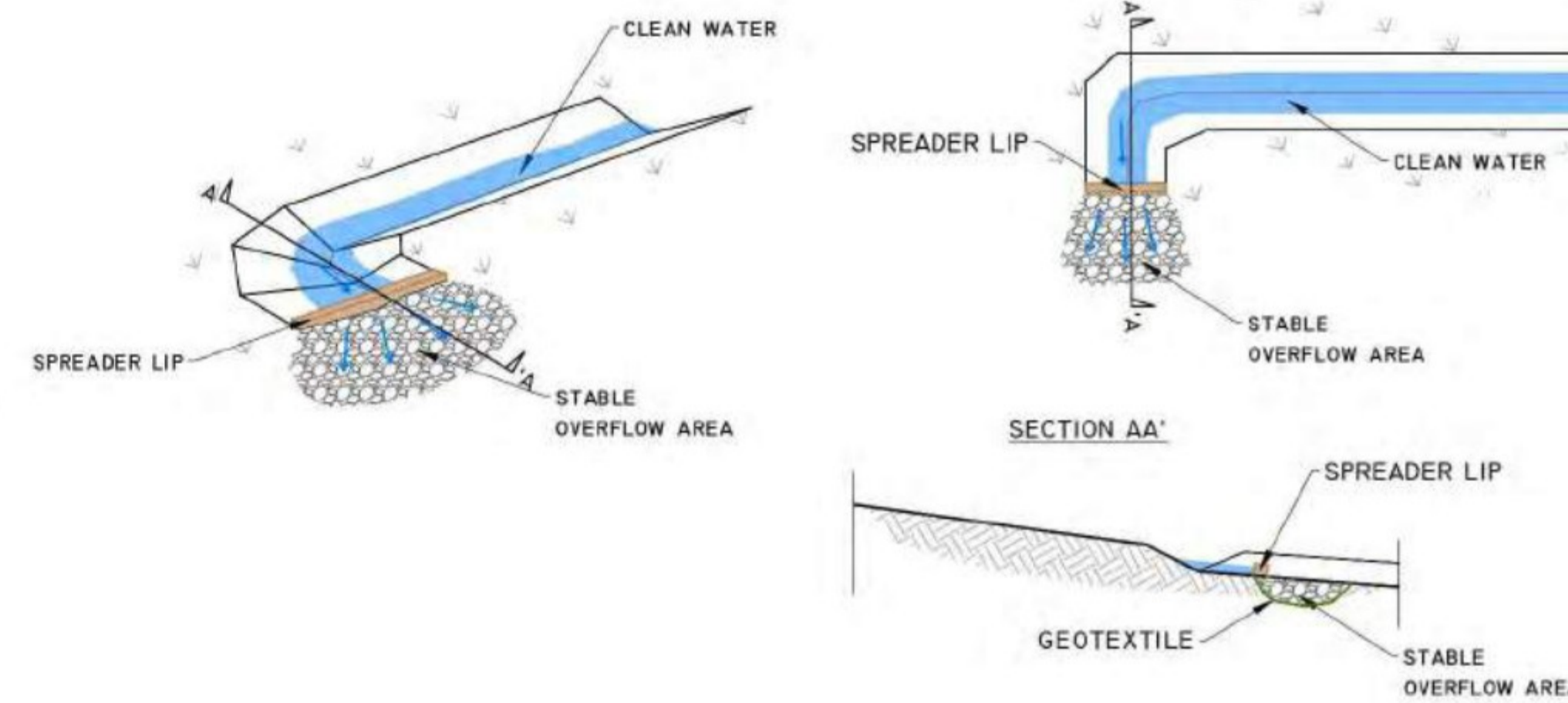


DETAIL I



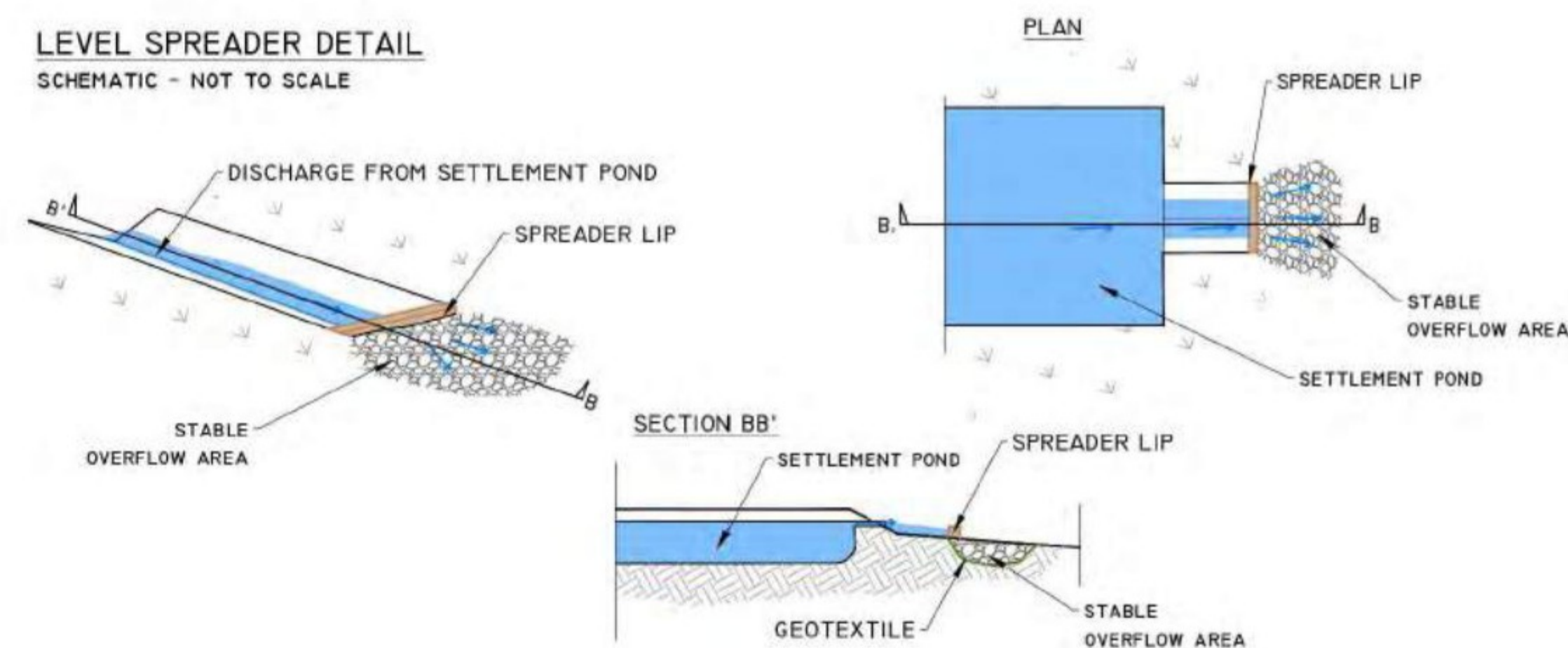
DETAIL J-1

LEVEL SPREADER DETAIL
SCHEMATIC - NOT TO SCALE



DETAIL J-2

LEVEL SPREADER DETAIL
SCHEMATIC - NOT TO SCALE



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NOT FOR CONSTRUCTION

Drawing Title:
DRAINAGE DETAILS - IV

Project Title:
SSE GLENORA WIND FARM

Drawn By: **MK** Checked By: **EM**

Project No: **201120** Drawing No: **FIG-13**

Scale: **NTS** Date: **-**