

PROPOSED STATE HIGH SCHOOL

REF: SINSW002270/21

105 - 107 MITCHELL STREET, WEE WAA NSW 2388

LOTS 124 & 125 DP 757125, LOT 2 DP 550633 AND LOT 1 DP577294

**CIVIL - EROSION & SEDIMENT CONTROL DRAWINGS
FOR CONSTRUCTION**

SCHEDULE OF CIVIL WORKS DRAWINGS:

GENERAL PLANS:

ESC01 COVER SHEET & LOCALITY
ESC02 EROSION & SEDIMENT CONTROL PLANS 1 OF 2
ESC03 EROSION & SEDIMENT CONTROL PLANS 2 OF 2
ESC04 SENSITIVE AREAS SEDIMENT CAPTURE DETAIL



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	DESIGN:	JIMMY COSTAGANNA	DATE:	OCTOBER 2021
	DRAWN:	JIMMY COSTAGANNA	SCALE:	AS SHOWN
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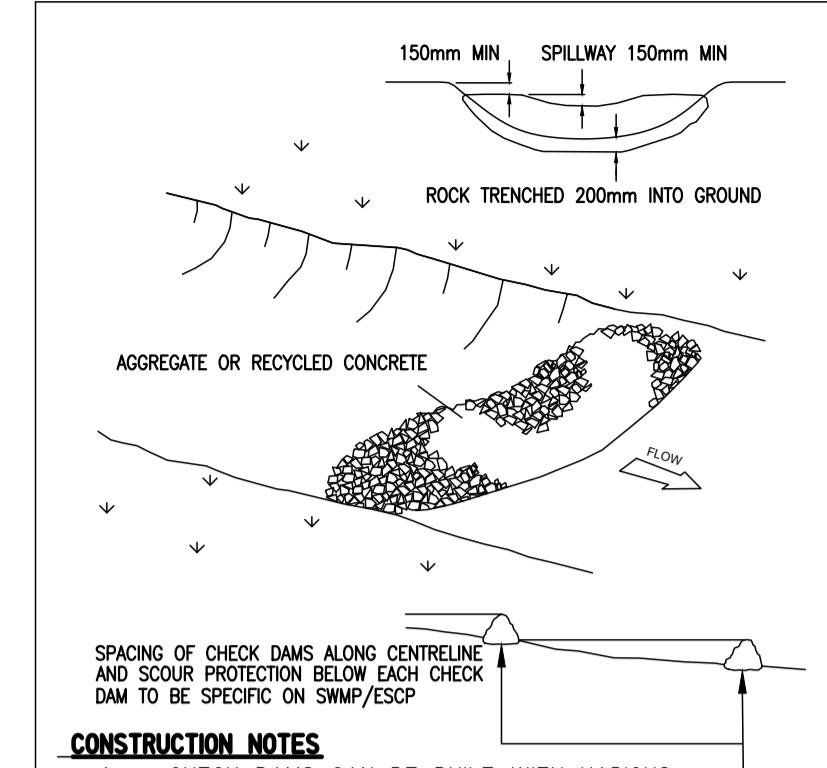
CLIENT
NSW GOVERNMENT
DEP. EDUCATION - SCHOOL INFRASTRUCTURE
TITLE
PROPOSED HIGH SCHOOL

PROJECT
105 - 107 MITCHELL STREET
WEE WAA NSW 2388

CIVIL PLAN
DRAWING TITLE: COVER SHEET & LOCALITY
DWG No: ESC01 SHEET: 1 OF 4 REV: 0

EROSION & SEDIMENT CONTROL NOTES:

1. SOIL STOCKPILES TO BE NO HIGHER THAN 3.0 METRES (2.0m PREFERABLE) IN LOCATIONS DIRECTED BY THE SUPERINTENDENT.
2. CONSTRUCT SEDIMENT FENCE AT LOCATIONS SHOWN AND AS DIRECTED BY SITE SUPERINTENDENT. SEDIMENT FENCE OR EQUIVALENT TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH COUNCILS ENGINEERING REQUIREMENTS.
3. UPON COMPLETION OF FINAL EARTHWORKS OR AFTER WRITTEN DIRECTION OF COUNCIL, IMMEDIATE SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF IN 14 DAYS.
4. ALL PERIMETER AND SILTATION CONTROL MEASURES ARE TO BE THE FIRST STEP IN CLEARING OR EARTHWORKS.
5. ALL TEMPORARY EARTH BERMS AND DIVERSION BANKS ARE TO BE TRACK ROLLED AND SEEDED OR MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
6. ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR RE-USE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION FROM THE STOCKPILES.
7. SOIL/GRASS - TOPSOIL, 200mm THICK SHALL BE APPLIED TO ALL DISTURBED AREAS. ALL REMAINING EXPOSED TOPSOIL SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF THE SOIL SPREADING OPERATION.



CONSTRUCTION SEQUENCE/SILT MANAGEMENT PROGRAM

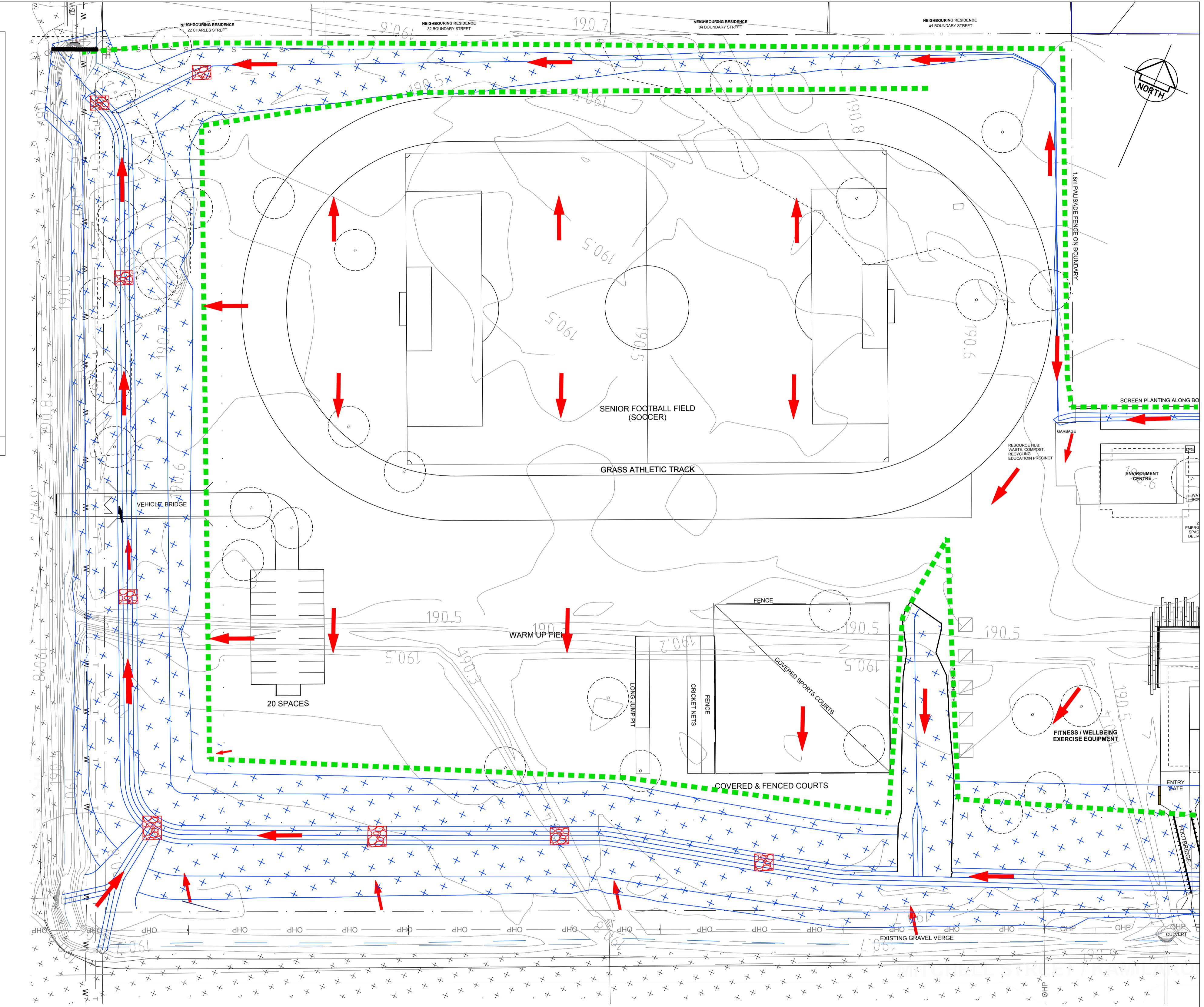
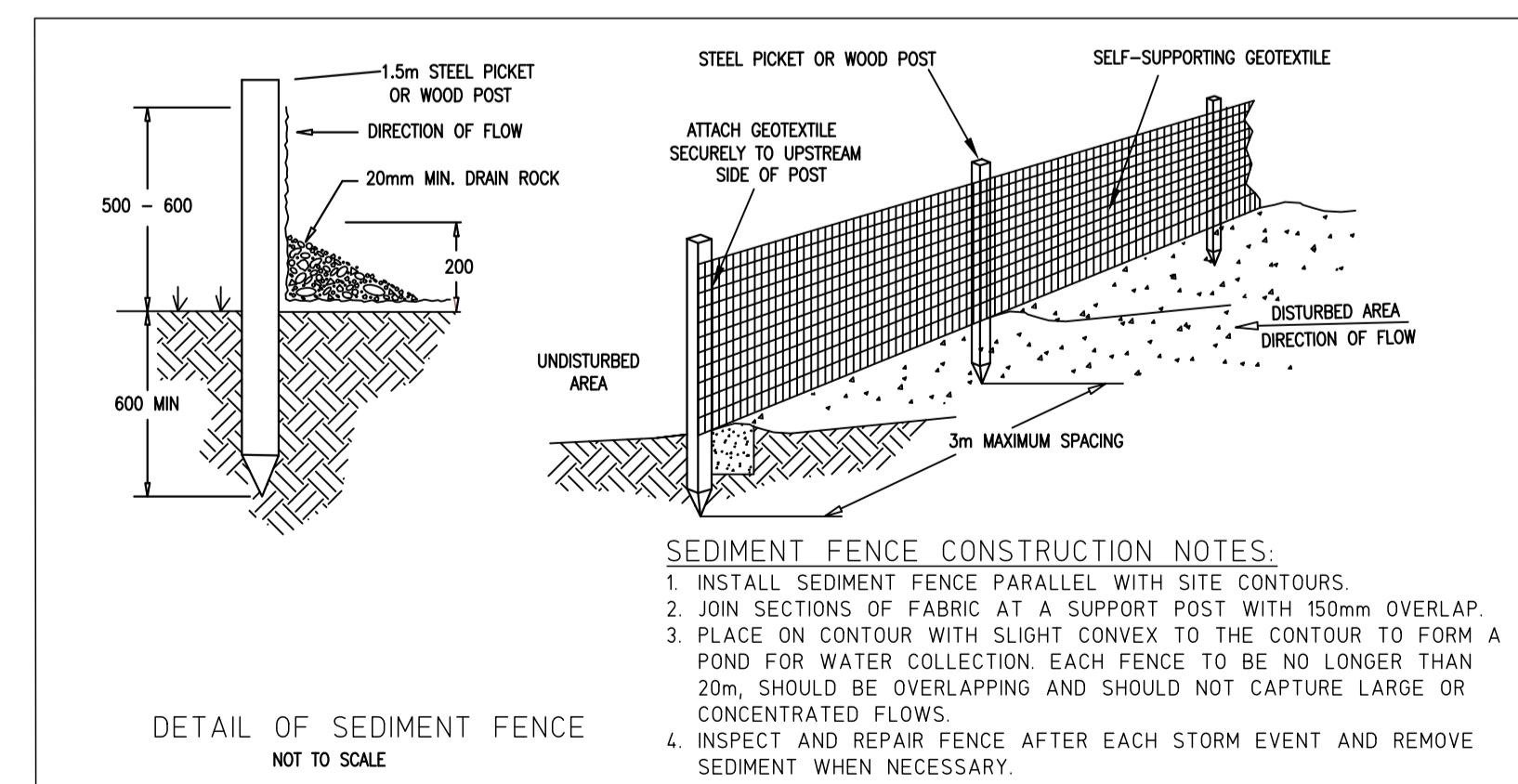
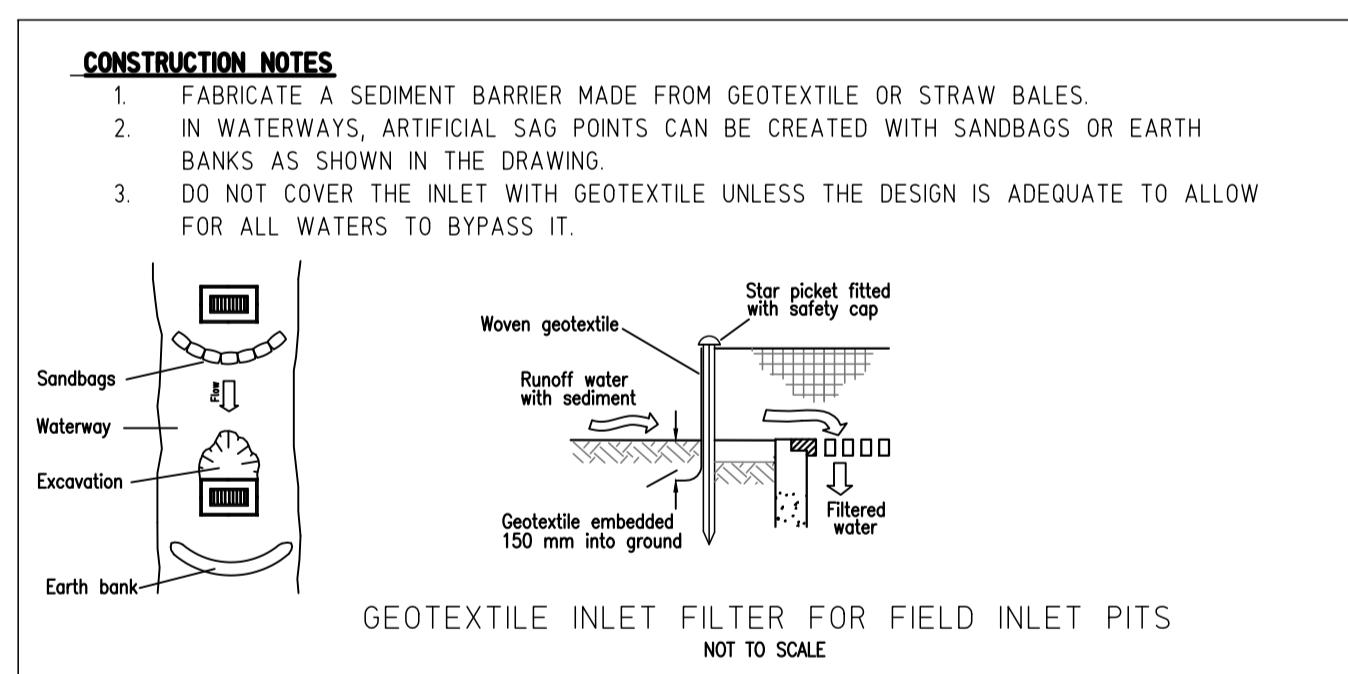
- 1. PRE START**

ERECT SITE SIGNAGE. CONSTRUCT ENTRY AND EXIT POINT AS INDICATED.
CONSTRUCT VEHICLE WASHDOWN AREA AND ASSOCIATED SILT MANAGEMENT DEVICES.
CONSTRUCT SITE OFFICE AND STORAGE COMPOUND AREA.
ERECT SILT FENCE AT LOW POINTS OF THE SITE AS DEMONSTRATED.
ERECT TEMPORARY 3 STRAND WIRE FENCE AROUND EXISTING TREES TO BE RETAINED.
CONSTRUCT ROCK CHECK DAMS AND SILT FENCES DOWNSTREAM OF BASIN.
- 2. CLEARING AND BULK EARTHWORKS**

SILT FENCE, SAND BAGS AND EARTH RILLS TO BE ERECTED AS INDICATED OR REQUIRED DURING CLEARING.
SUPERINTENDENT TO CONFIRM EXTENT OF STRIPPING TO CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS EACH DAY, BASED ON PREDICTED RAINFALLS.
SILT FENCES AND EARTH RILLS WITHIN ROADS TO BE ERECTED AS INDICATED OR REQUIRED DURING EARTHWORKS.
- 3. CONSTRUCTION - STOCKPILING**

TEMPORARY SILT FENCE TO BE ERECTED 3m FROM TOE OF BATTER ON LOW SIDE OF STOCKPILING.
STOCKPILE SITE TO BE CLEAR OF ADJACENT PROPERTY BOUNDARIES SO AS NOT TO CAUSE A NUISANCE TO ADJOINING PROPERTIES.
- 4. MAINTENANCE (PRE TO POST CONSTRUCTION)**

THE SILT FENCES ARE TO BE INSPECTED WEEKLY.
ANY REPAIRS REQUIRED ARE TO BE EFFECTED IMMEDIATELY.
SILT AFTER RAIN IS TO BE CLEANED FROM STREETS AND ALLOTMENTS IMMEDIATELY AND CORRECTIVE ACTION TAKEN TO AVOID A RE-OCCURRENCE OF THE FAILURE.



AREA 1 - Scale 1:500

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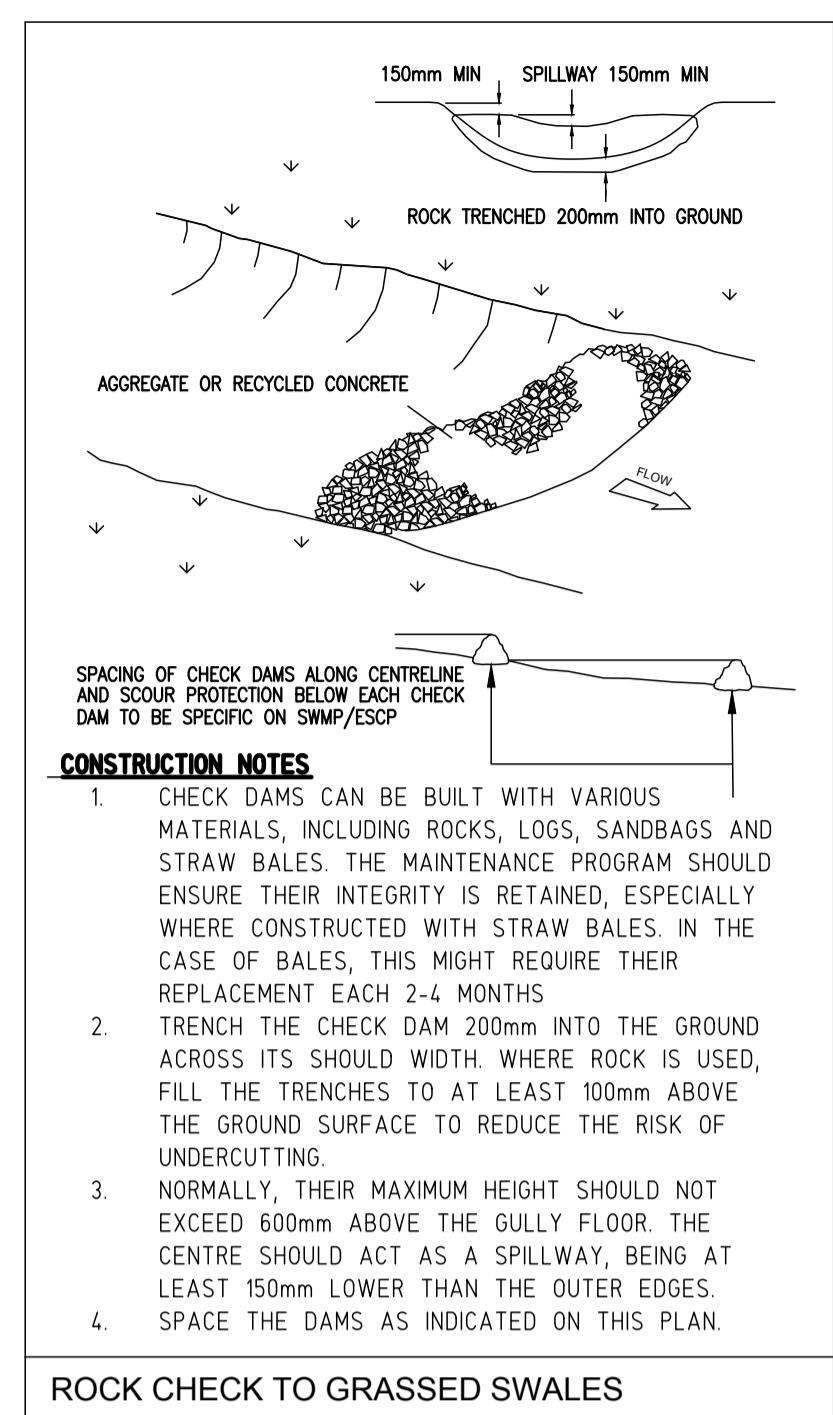
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IGH SCHOOL

PROJECT
105 - 107 MITCHELL STREET
WEE WAA NSW 2388

<u>CIVIL PLAN</u>	
DRAWING TITLE:	EROSION & SEDIMENT CONTROL PLANS 1 OF 2
DWG No:	ESC02
SHEET:	2 OF 4
REV:	0



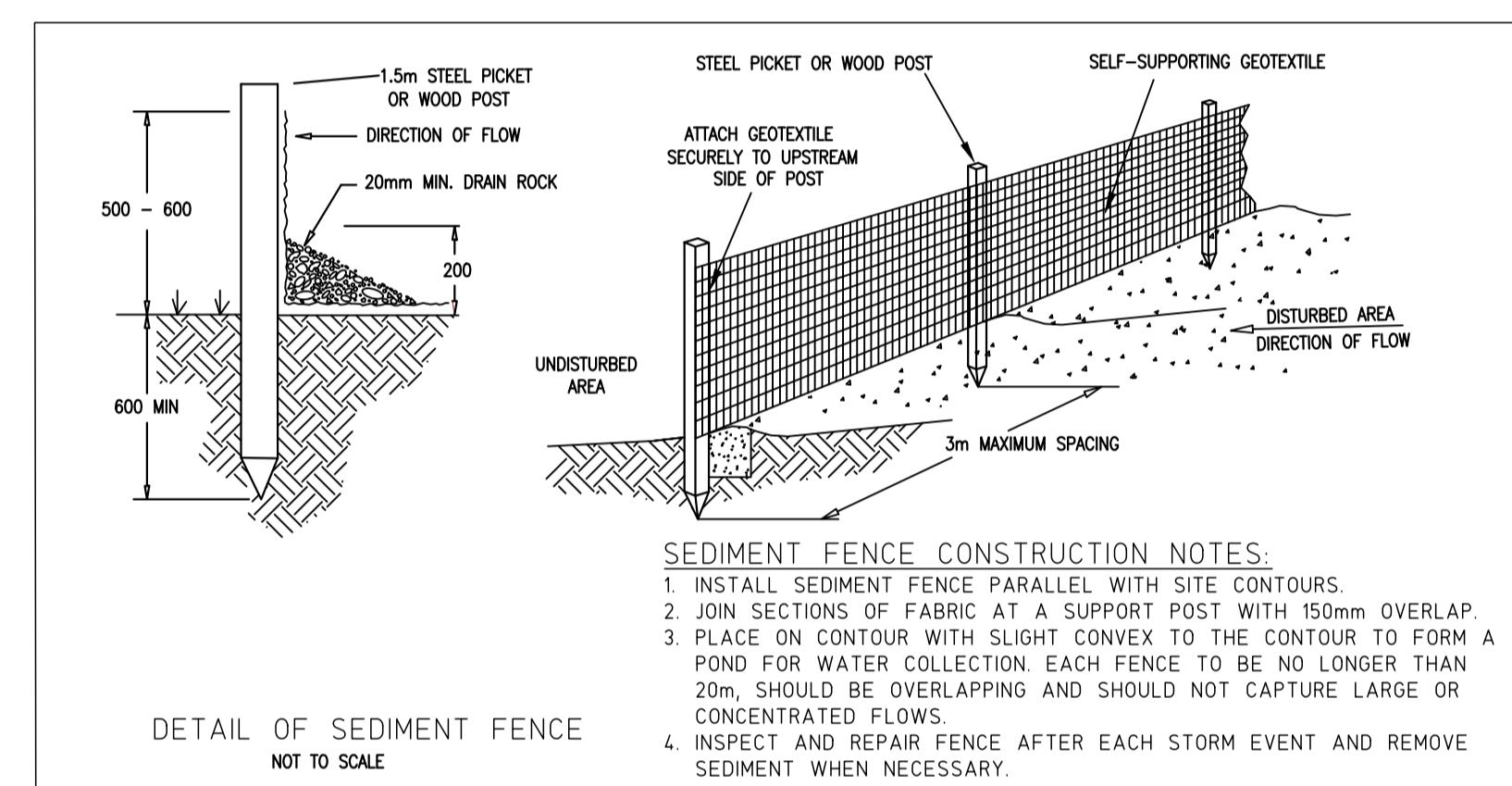
EROSION & SEDIMENT CONTROL NOTES:

1. SOIL STOCKPILES TO BE NO HIGHER THAN 3.0 METRES (2.0m PREFERABLE) IN LOCATIONS DIRECTED BY THE SUPERINTENDENT.
2. CONSTRUCT SEDIMENT FENCE AT LOCATIONS SHOWN AND AS DIRECTED BY SITE SUPERINTENDENT. SEDIMENT FENCE OR EQUIVALENT TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH COUNCILS ENGINEERING REQUIREMENTS.
3. UPON COMPLETION OF FINAL EARTHWORKS OR AFTER WRITTEN DIRECTION OF COUNCIL, IMMEDIATE SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF IN 14 DAYS.
4. ALL PERIMETER AND SILTATION CONTROL MEASURES ARE TO BE THE FIRST STEP IN CLEARING OR EARTHWORKS.
5. ALL TEMPORARY EARTH BERMS AND DIVERSION BANKS ARE TO BE TRACK ROLLED AND SEEDED OR MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
6. ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR RE-USE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION FROM THE STOCKPILES.
7. SOIL/GRASS - TOPSOIL, 200mm THICK SHALL BE APPLIED TO ALL DISTURBED AREAS. ALL REMAINING EXPOSED TOPSOIL SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF THE SOIL SPREADING OPERATION.

CONSTRUCTION NOTES:

1. CHECK DAMS CAN BE BUILT WITH VARIOUS MATERIALS, INCLUDING ROCKS, LOGS, SANDBAGS AND STRAW BALES. THE MAINTENANCE PROGRAM SHOULD ENSURE THEIR INTEGRITY IS RETAINED, ESPECIALLY WHERE CONSTRUCTED WITH STRAW BALES. IN THE CASE OF BALES, THIS MIGHT REQUIRE THEIR REPLACEMENT EACH 2-4 MONTHS.
2. TRENCH THE CHECK DAM 200mm INTO THE GROUND ACROSS ITS SHOULDER WHERE ROCK IS USED, FILL THE TRENCHES TO AT LEAST 100mm ABOVE THE GROUND SURFACE TO REDUCE THE RISK OF UNDERCUTTING.
3. NORMALLY, THEIR MAXIMUM HEIGHT SHOULD NOT EXCEED 600mm ABOVE THE GULLY FLOOR. THE CENTRE SHOULD ACT AS A SPILLWAY, BEING AT LEAST 150mm LOWER THAN THE OUTER EDGES.
4. SPACE THE DAMS AS INDICATED ON THIS PLAN.

ROCK CHECK TO GRASSED SWALE

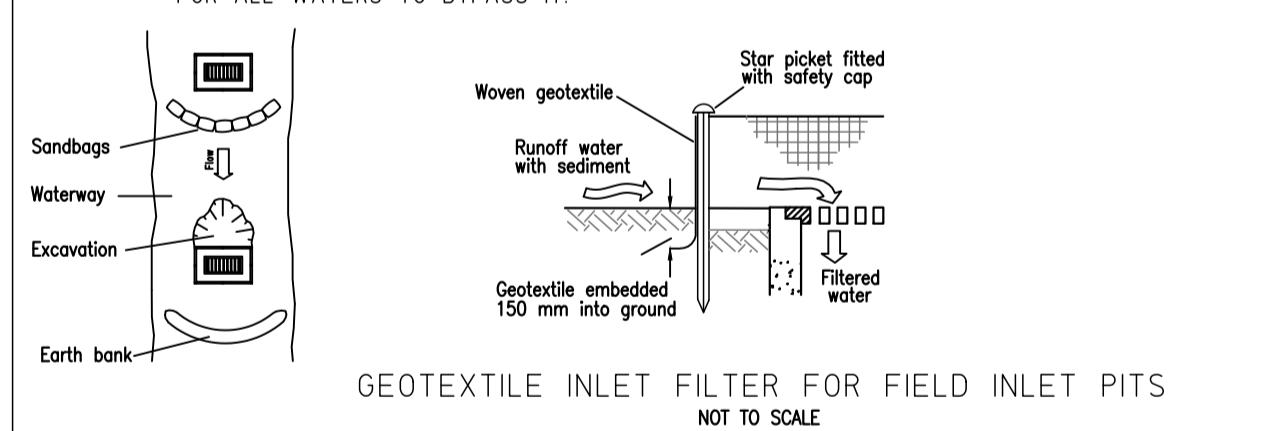


SEDIMENT FENCE CONSTRUCTION NOTES:

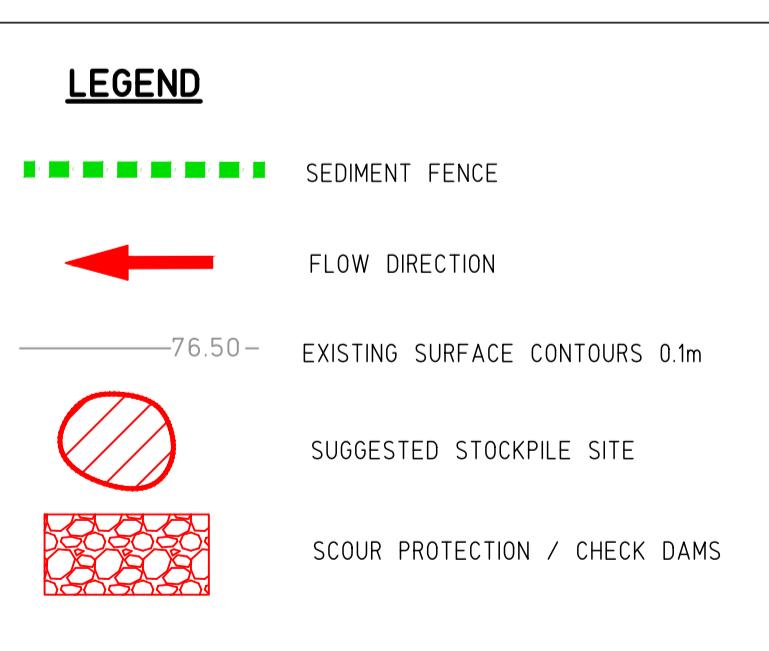
1. INSTALL SEDIMENT FENCE PARALLEL WITH SITE CONTOURS.
2. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH 150mm OVERLAP.
3. PLACE ON CONTOUR WITH SLIGHT CONVEX TO THE CONTOUR TO FORM A POND FOR WATER COLLECTION EACH FENCE TO BE NO LONGER THAN 20m, SHOULD BE OVERLAPPING AND SHOULD NOT CAPTURE LARGE OR CONCENTRATED FLOWS.
4. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.

CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
3. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.



GEOTEXTILE INLET FILTER FOR FIELD INLET PITS
NOT TO SCALE



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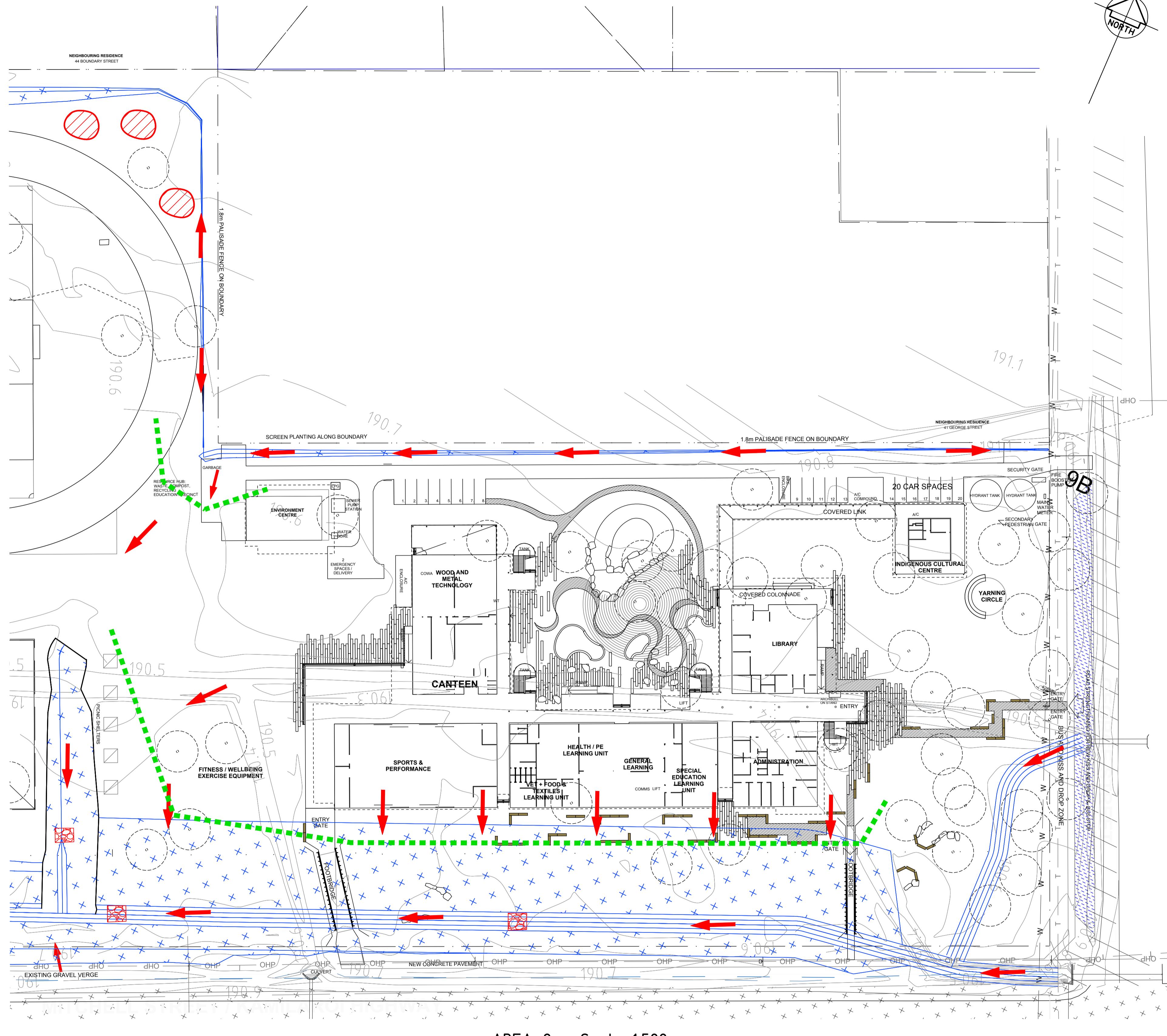
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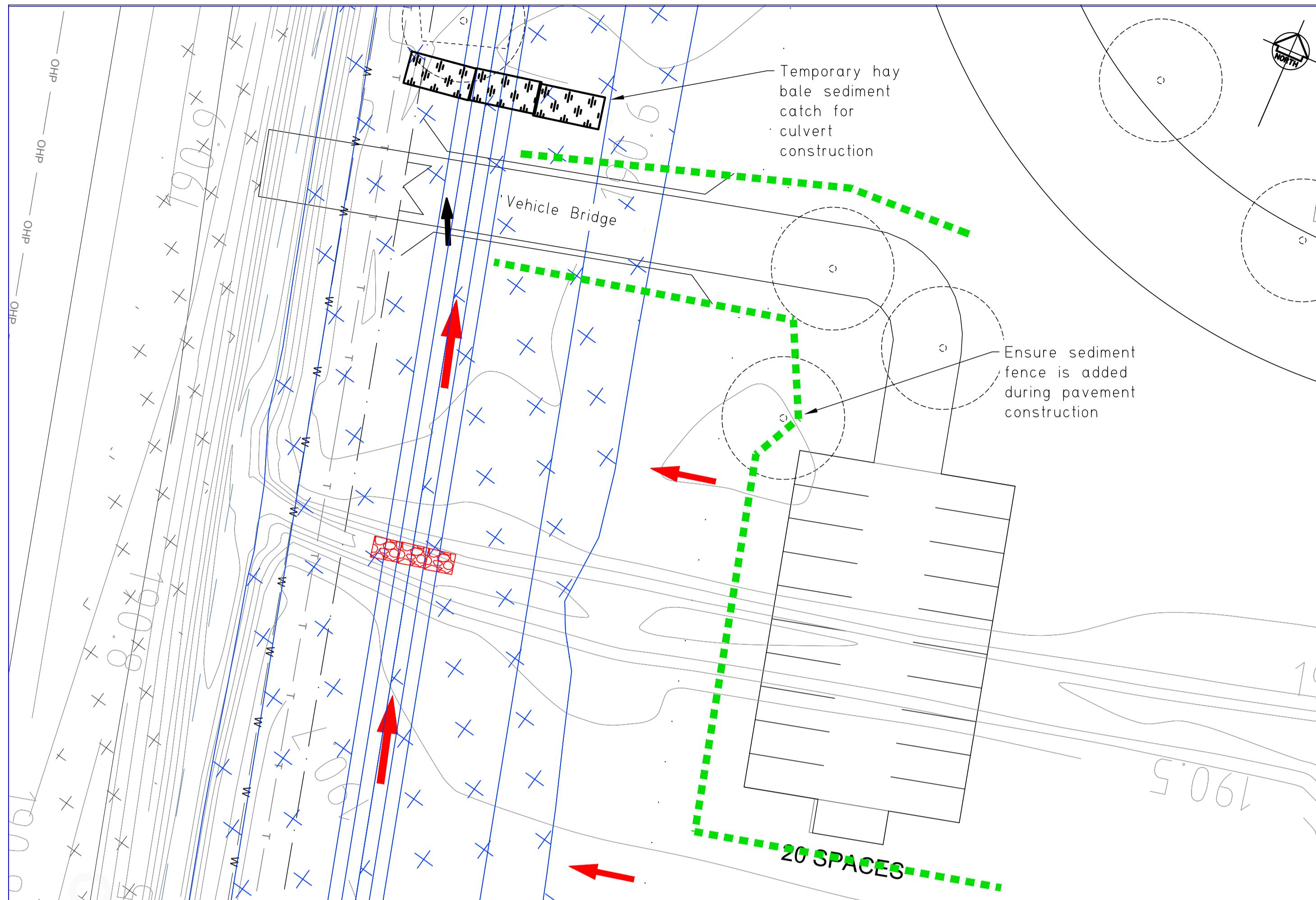
PROJECT
105 - 107 MITCHELL STREET
WEE WAA NSW 2388

CIVIL PLAN
DRAWING TITLE: EROSION & SEDIMENT CONTROL
PLANS 2 OF 2
DWG No: ESC03
SHEET: 3 OF 4
REV: 0

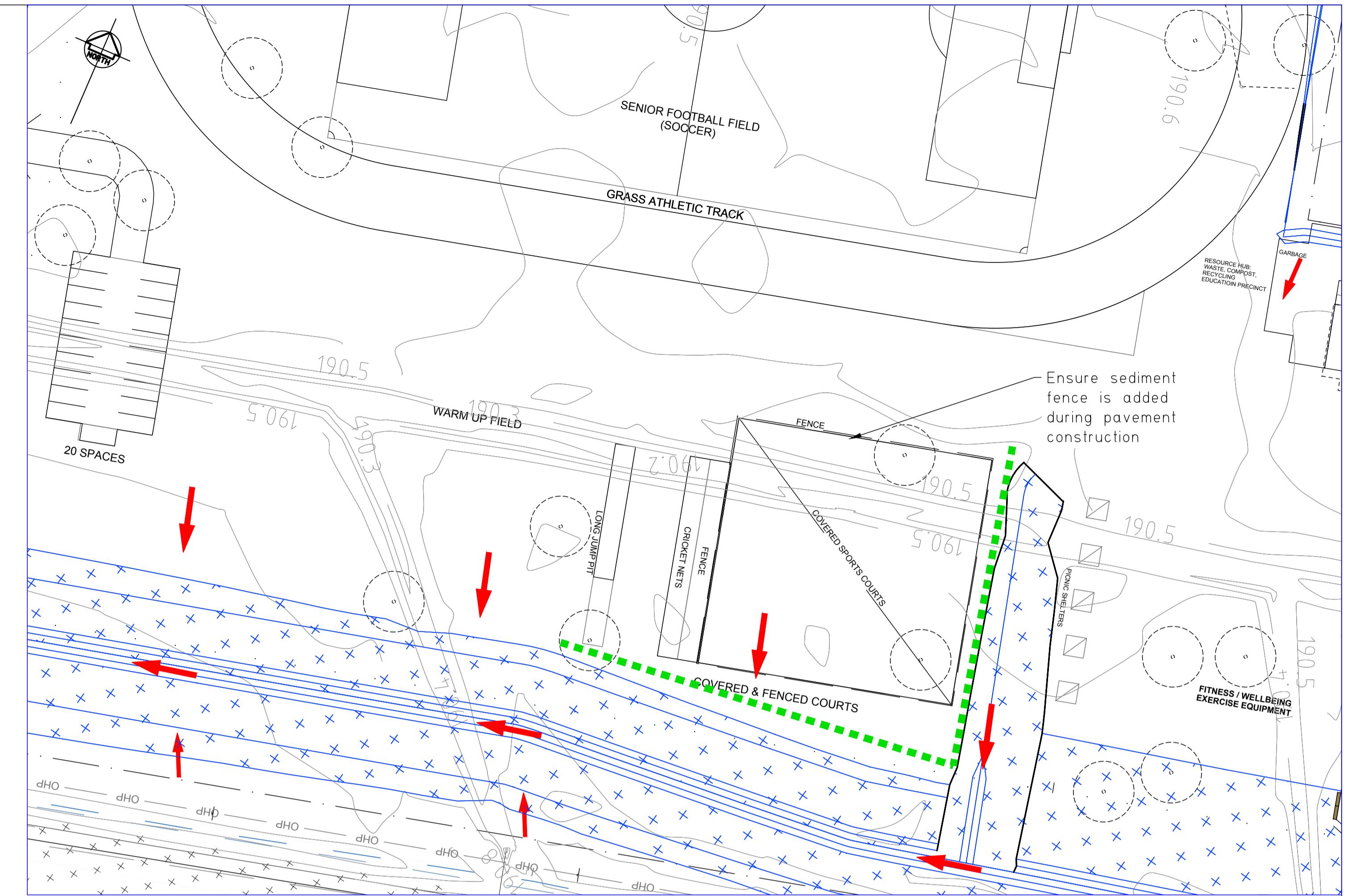


AREA 2 - Scale 1:500

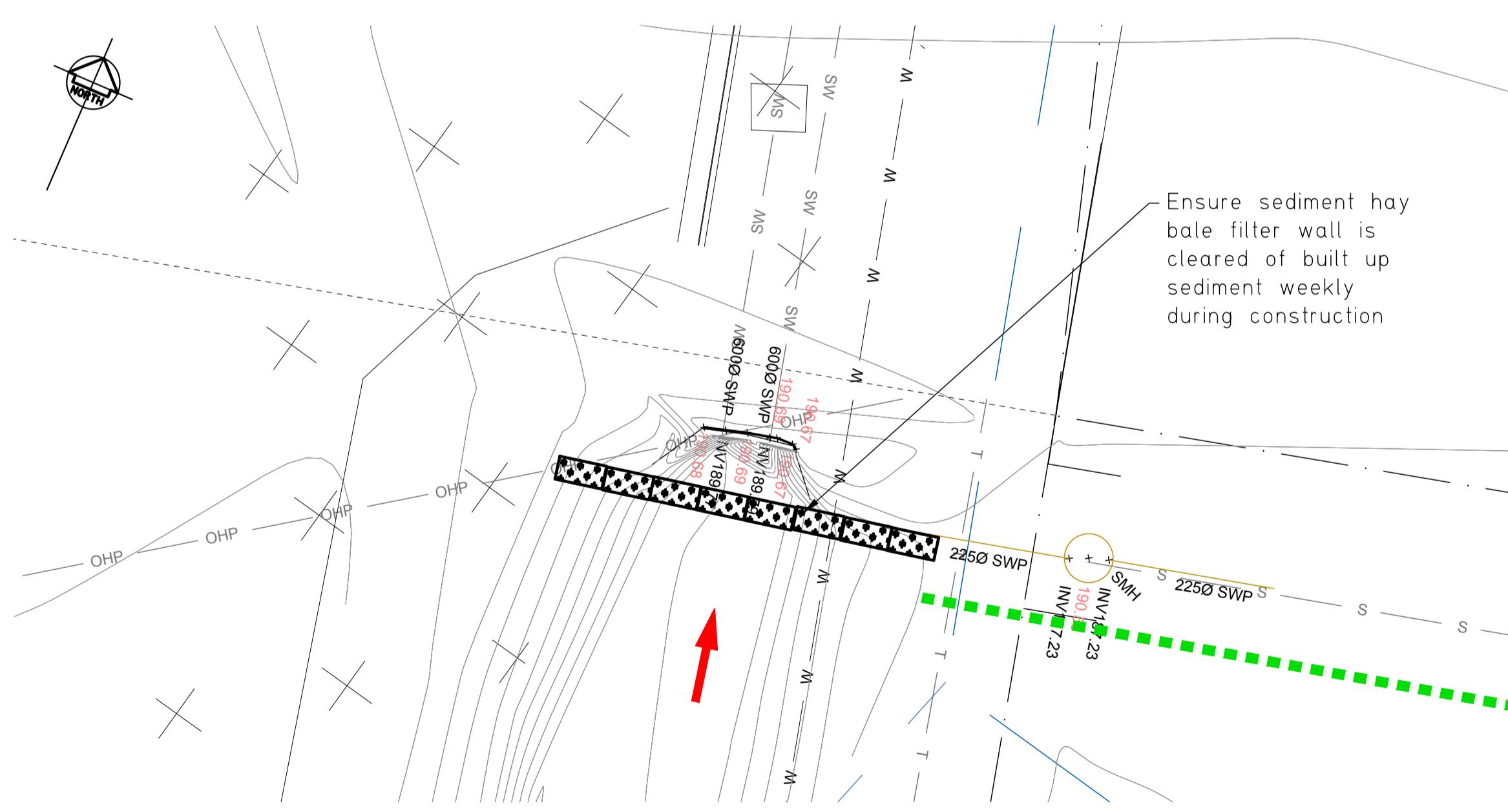
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CARPARK AREA - Scale 1:250



VIEWING PLATFORM - Scale 1:500

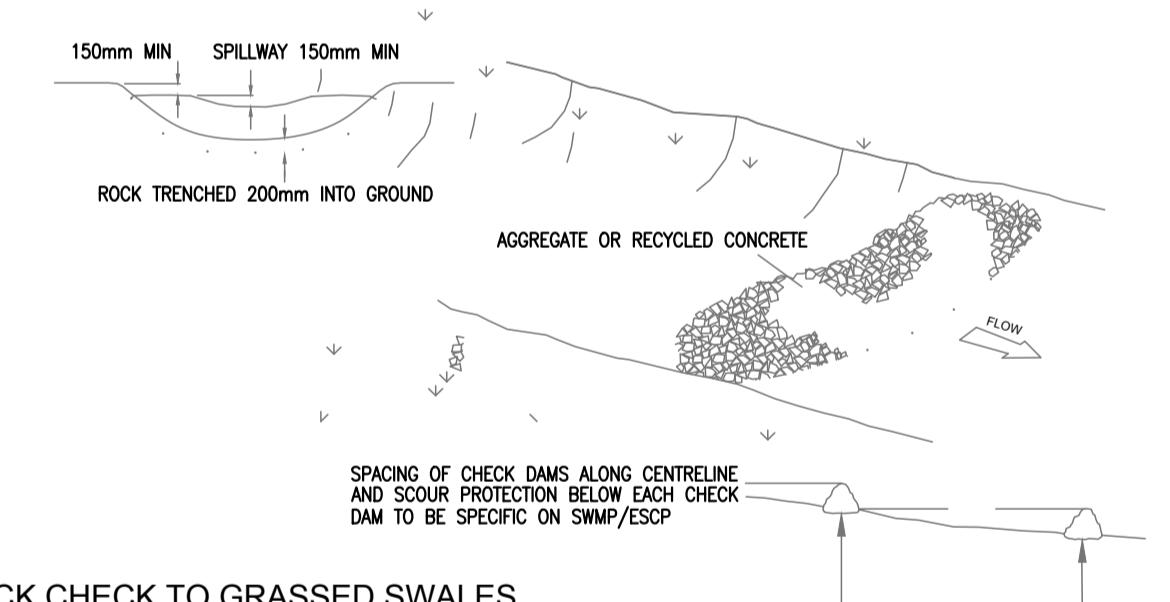


DOWNSTREAM INLET - Scale 1:10

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2. TRENCH THE CHECK DAM 200mm INTO THE GROUND ACROSS ITS SHOULD WIDTH. WHERE ROCK IS USED, FILL THE TRENCHES TO AT LEAST 100mm ABOVE THE GROUND SURFACE TO REDUCE THE RISK OF UNDERCUTTING.
3. NORMALLY, THEIR MAXIMUM HEIGHT SHOULD NOT EXCEED 600mm ABOVE THE GULLY FLOOR. THE CENTRE SHOULD ACT AS A SPILLWAY, BEING AT LEAST 150mm LOWER THAN THE OUTER EDGES.
4. SPACE THE DAMS AS INDICATED ON THIS PLAN



LEGEND

The diagram illustrates a sediment fence and flow direction. At the top left, a series of green squares represents the 'SEDIMENT FENCE'. A large red arrow pointing to the left indicates the 'FLOW DIRECTION'. Below this, a horizontal line with the label '76.50-' represents 'EXISTING SURFACE CONTOURS 0.1m'. To the left of the contour line is a red patterned box representing 'SCOUR PROTECTION / CHECK DAMS'. At the bottom left is a black and white patterned box representing 'HAY BAIL SEDIMENT FENCE / CHECK DAMS'.

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4. ALL PERIMETER AND SILTATION CONTROL MEASURES ARE TO BE THE FIRST STEP IN CLEARING OR EARTHWORKS.
6. SEDIMENTATION BASIN TO BE FLOCCULATED AND PUMPED OUT AFTER EVERY STORM EVENT. ALL FLOCCULATED SEDIMENT TO BE REMOVED FROM THE BASIN AT THE CONCLUSION OF THE CONTRACT PERIOD.
7. ALL TEMPORARY EARTH BERMS AND DIVERSION BANKS ARE TO BE TRACK ROLLED AND SEEDED OR MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
8. PROVIDE FILTER SAUSAGE KERB INLET SEDIMENT TRAPS OR EQUIVALENT (TO THE SATISFACTION OF THE SUPERINTENDENT) TO ALL CONSTRUCTED INLET PITS AND STORMWATER PIPING.
9. ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR RE-USE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION FROM THE STOCKPILES.
10. SOIL/GRASS - TOPSOIL, 200mm THICK SHALL BE APPLIED TO ALL DISTURBED AREAS. ALL REMAINING EXPOSED TOPSOIL SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF THE SOIL SPREADING OPERATION.

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CIVIL PLAN

CIVIL PLAN

DWG No: **ESCO4** SHEET: **1** OF **4** REV: **0**