

DOCUMENTATION OF SOIL & WATER MANAGEMENT PLAN

ALTERATIONS & ADDITIONS TO

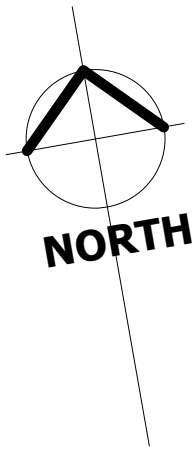
MACKILLOP CATHOLIC COLLEGE

91 SPARKS ROAD,WOONGARRAH, NSW

JAMES TAYLOR AND ASSOCIATES

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SOIL & WATER MANAGEMENT DRAWING LIST	
Sheet No.	Sheet Name
SM.1	COVER SHEET AND NOTES
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LOCALITY PLAN
NOT TO SCALE

SOIL & WATER MANAGEMENT NOTES

- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH RELEVANT ORDINANCES AND REGULATIONS; NOTE IN PARTICULAR THE REQUIREMENTS OF LANDCOMS MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION' (THE 'BLUE BOOK'). THIS SOIL AND WATER MANAGEMENT PLAN DETAILS THE ACTIONS TO BE TAKEN FOR THE MANAGEMENT OF STORMWATER DURING CONSTRUCTION.
- INSTALL SEDIMENT PROTECTION FILTERS ON ALL NEW AND EXISTING STORMWATER INLET PITS IN ACCORDANCE WITH EITHER THE MESH AND GRAVEL INLET FILTER DETAIL SD6-11 OR THE GEOTEXTILE INLET FILTER DETAIL SD6-12 OF THE 'BLUE BOOK'.
- ESTABLISH ALL REQUIRED SEDIMENT FENCES IN ACCORDANCE WITH DETAIL SD6-8 OF THE 'BLUE BOOK'.
- INSTALL SEDIMENT FENCING AROUND INDIVIDUAL BUILDING ZONES/AREAS AS REQUIRED AND AS DIRECTED BY THE SUPERINTENDENT.
- ALL TRENCHES INCLUDING ALL SERVICE TRENCHES AND SWALE EXCAVATION SHALL BE SIDE-CAST TO THE HIGH SIDE AND CLOSED AT THE END OF EACH DAYS WORK.
- STRIP TOPSOIL IN AREAS DESIGNATED FOR STRIPPING AND STOCKPILE FOR RE-USE AS REQUIRED. ANY SURPLUS MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH EPA GUIDELINES.
- CONSTRUCT AND MAINTAIN ALL MATERIAL STOCKPILES IN ACCORDANCE WITH DETAIL SD4-1 OF THE 'BLUE BOOK' (INCLUDING CUT-OFF SWALES TO THE HIGH SIDE AND SEDIMENT FENCES TO THE LOW SIDE).
- ENSURE STOCKPILES DO NOT EXCEED 2.0m HIGH. PROVIDE WIND AND RAIN EROSION PROTECTION AS REQUIRED IN ACCORDANCE WITH THE 'BLUE BOOK'.
- PROVIDE WATER TRUCKS OR SPRINKLER DEVICES DURING CONSTRUCTION AS REQUIRED TO SUPPRESS DUST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING A DETAILED WRITTEN RECORD OF ALL EROSION & SEDIMENT CONTROLS ON-SITE DURING THE CONSTRUCTION PERIOD. THIS RECORD SHALL BE UPDATED ON A DAILY BASIS & SHALL CONTAIN DETAILS ON THE CONDITION OF CONTROLS AND ANY/ ALL MAINTENANCE, CLEANING & BREACHES. THIS RECORD SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE PRINCIPAL CERTIFYING AUTHORITY AND THE SUPERINTENDENT DURING NORMAL WORKING HOURS.
- GROUNDWATER SEEPAGE RATES AND QUALITY TO BE MONITORED AND TREATED IF REQUIRED DURING CONSTRUCTION IN ACCORDANCE WITH REQUIREMENTS OF SUPERVISING GEOTECHNICAL ENGINEER.
- ALL INLET PROTECTION + SILT FENCES SHALL BE INSPECTED EVERY WEEK AND AFTER RAIN EVENTS. REPAIR AND REMEDIATE AS REQUIRED.

THE CONTRACTOR SHALL ENSURE COUNCIL ASSETS AND THE UTILITIES ARE PROTECTED AT ALL TIMES. ANY AND ALL DAMAGES TO COUNCIL ASSETS AND/OR UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR TO THE SPECIFICATION OF COUNCIL AND THE UTILITIES AUTHORITY AND AT NO COST TO THE PRINCIPAL OR JAMES TAYLOR ASSOCIATES ENGINEERS.

SEDIMENT BASIN/TANKS MANAGEMENT NOTES

- REFER TO REFERENCE DOCUMENT 7 FOR SEDIMENT BASIN CALCULATIONS IN ACCORDANCE WITH THE BLUE BOOK.
- PRIOR TO ANY FORECAST WEATHER EVENT, LIKELY TO RESULT IN SEDIMENT LADEN RUNOFF ON THE SITE, ANY EXISTING DETENTION BASINS/TANKS/TRAPS SHALL BE DEWATERED TO PROVIDE SUFFICIENT CAPACITY TO CAPTURE SEDIMENT LADEN WATER FROM THE SITE.
- ANY SEDIMENT LADEN WATER CAPTURED ON-SITE MUST BE TREATED TO ENSURE IT WILL ACHIEVE COUNCIL'S WATER QUALITY OBJECTIVES PRIOR TO ITS RELEASE FROM SITE. A SAMPLE OF THE RELEASED TREATED WATER MUST BE KEPT ON-SITE IN A CLEAR CONTAINER WITH THE SAMPLE DATE RECORDED.
- NO ALUMINIUM BASED PRODUCTS MAY BE USED TO TREAT TURBID WATER (FLOCCULATING/COAGULANTS) ON-SITE WITHOUT THE PRIOR WRITTEN PERMISSION FROM AN APPROPRIATE COUNCIL OFFICER. THE APPLICANT MUST HAVE DEMONSTRATED ABILITY TO USE SUCH PRODUCTS CORRECTLY AND WITHOUT ENVIRONMENTAL HARM PRIOR TO ANY APPROVAL.
- THE CHEMICAL/AGENT (FLOCCULATING/COAGULANTS) USED IN TYPE D AND TYPE F BASINS/TANKS TO TREAT TURBID WATER CAPTURED IN THE BASIN/TANKS MUST BE APPLIED IN CONCENTRATIONS SUFFICIENT TO ACHIEVE COUNCIL'S WATER QUALITY OBJECTIVES (TSS < 50mg/L, TURBIDITY < 60 NTU, 6.5 < pH < 8.5) WITHIN THE 5-DAY RAINFALL DEPTH USED TO CALCULATE THE CAPACITY OF THE BASIN/TANKS, AFTER A RAINFALL EVENT.
- ALL MANUFACTURERS INSTRUCTIONS MUST BE FOLLOWED FOR THE USE OF ANY CHEMICALS/AGENTS USED ON-SITE, EXCEPT WHERE APPROVED BY THE RESPONSIBLE PERSON OR AN APPROPRIATE COUNCIL OFFICER.
- SUFFICIENT QUANTITIES OF CHEMICALS/AGENTS TO TREAT TURBID WATER (FLOCCULATING/COAGULANTS) MUST BE PLACED SUCH THAT WATER ENTERING THE BASINS/TANKS/SEDIMENT TRAP MIXES WITH THE CHEMICALS/AGENTS AND IS CARRIED INTO THE BASIN/TANKS/TRAP.
- ANY BASIN/TANKS MUST BE DEWATERED AS SOON AS PRACTICAL, ONCE WATER CAPTURED IN THE BASIN/TANKS ACHIEVES COUNCIL'S WATER QUALITY OBJECTIVES.
- INSPECT THE SEDIMENT BASINS/TANKS AFTER EACH RAINFALL EVENT AND/OR WEEKLY. ENSURE THAT ALL SEDIMENT IS REMOVED ONCE THE SEDIMENT STORAGE ZONE IS FULL. ENSURE THAT OUTLET AND EMERGENCY SPILLWAY WORKS ARE MAINTAINED IN A FULLY OPERATIONAL CONDITION AT ALL TIMES.

REFERENCE DOCUMENTS

- SURVEY DRAWING PREPARED BY:
Degotardi Smith & Partners
Ph: +61 2 9440 1100
SURVEY REFERENCE: 36174
DRAWING NUMBER: 36174A01.DWG
REV: E
DATED: 01/03/2024
- ARCHITECTURAL DRAWINGS BY:
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Ph: +61 2 8876 5300
Project No. 2700.21
- CIVIL WORKS DRAWINGS BY:
Cardno Young
DRAWING No. 239656-3A-201 REV F
DATED: 26.08.05
- HYDRAULIC SERVICES DRAWINGS BY:
ACOR CONSULTANTS
Project No: SY03.0074
Dwg. No: H-02 & H-03
- STRUCTURAL DRAWINGS BY
JAMES TAYLOR & ASSOCIATES
PROJECT No. 6611
- HYDRAULIC DRAWINGS BY
JN RESPONSIVE ENGINEERING
Project No: N0231258
Drawing No: H010 No. 1
DATED: 13.08.24
- STORMWATER REPORT BY
JAMES TAYLOR & ASSOCIATES
PROJECT No. 6611
- STORMWATER DRAWINGS BY
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HL	JM	FOR DA	05.06.2025	A	
BY	CHKD	DESCRIPTION	DATE	REV	

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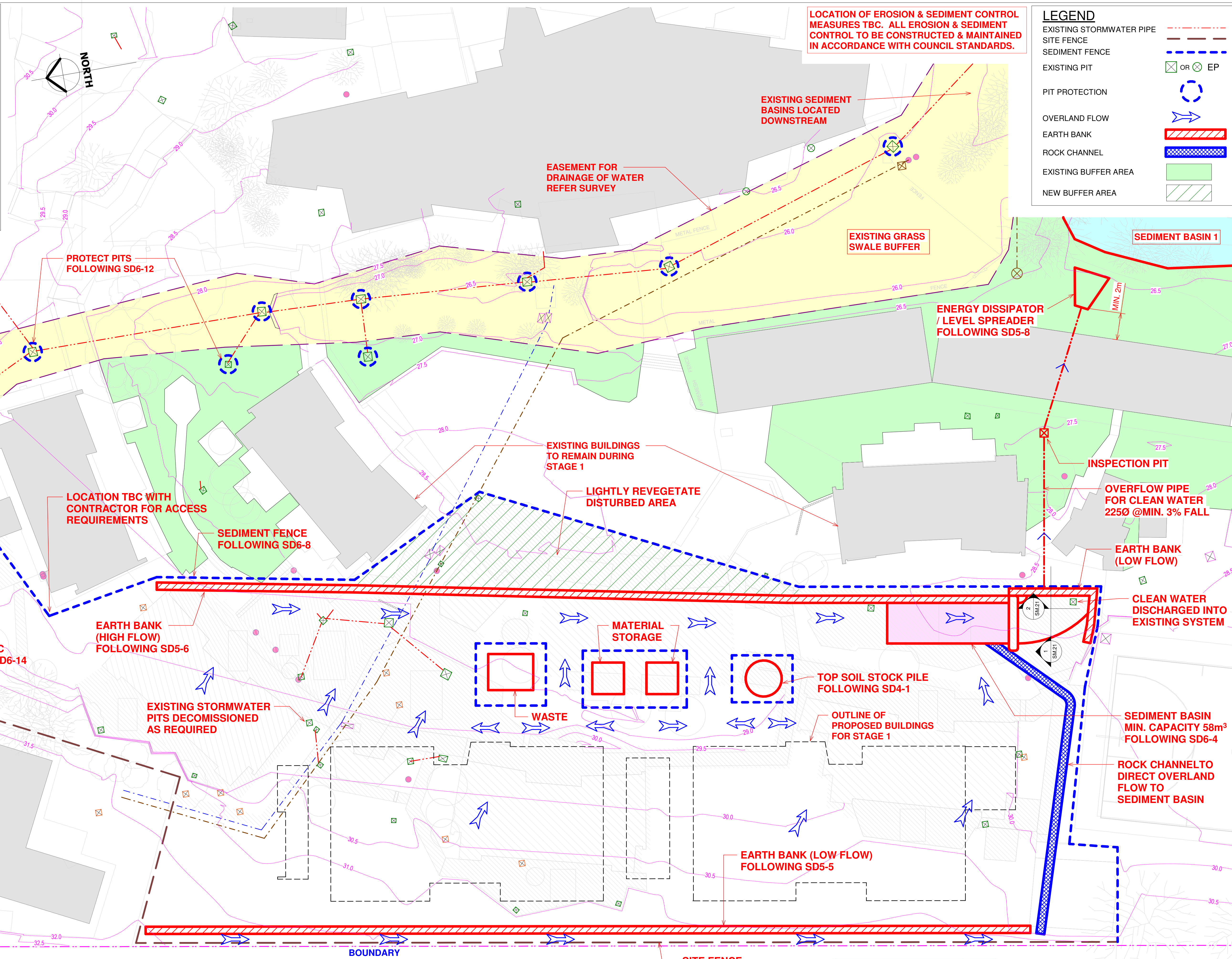
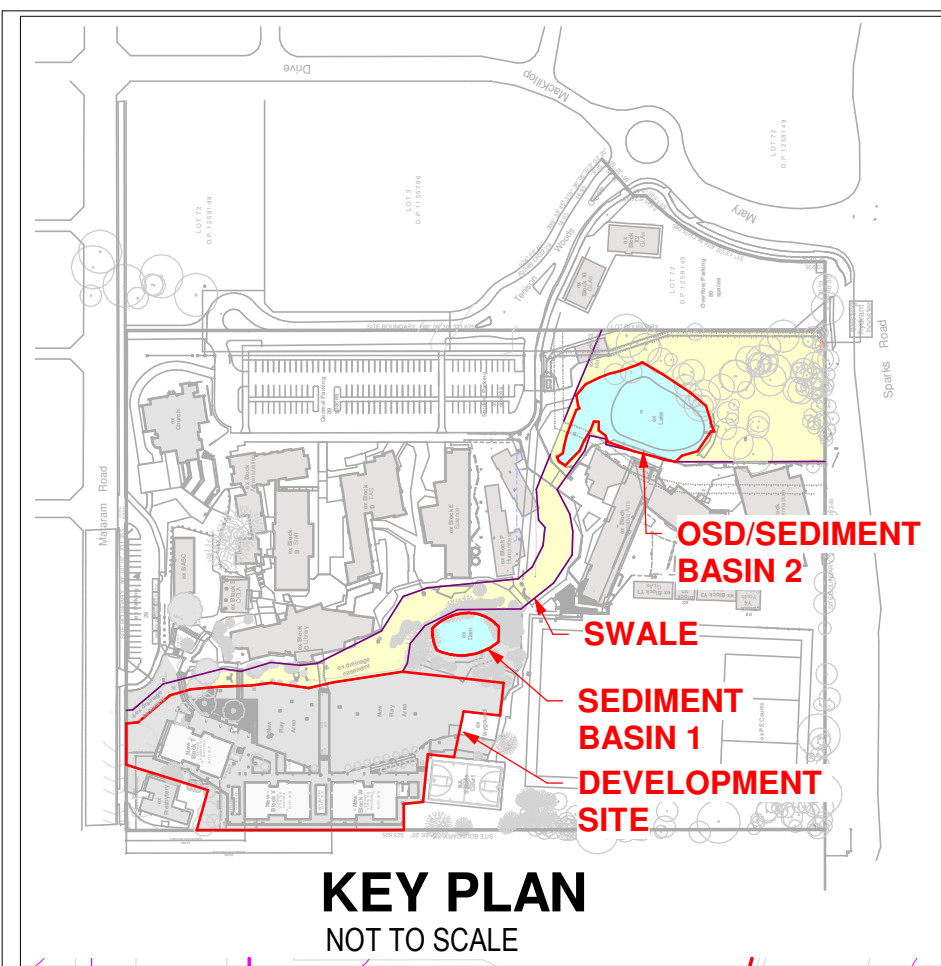


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91 SPARKS ROAD,WOONGARRAH, NSW

COVER SHEET AND NOTES

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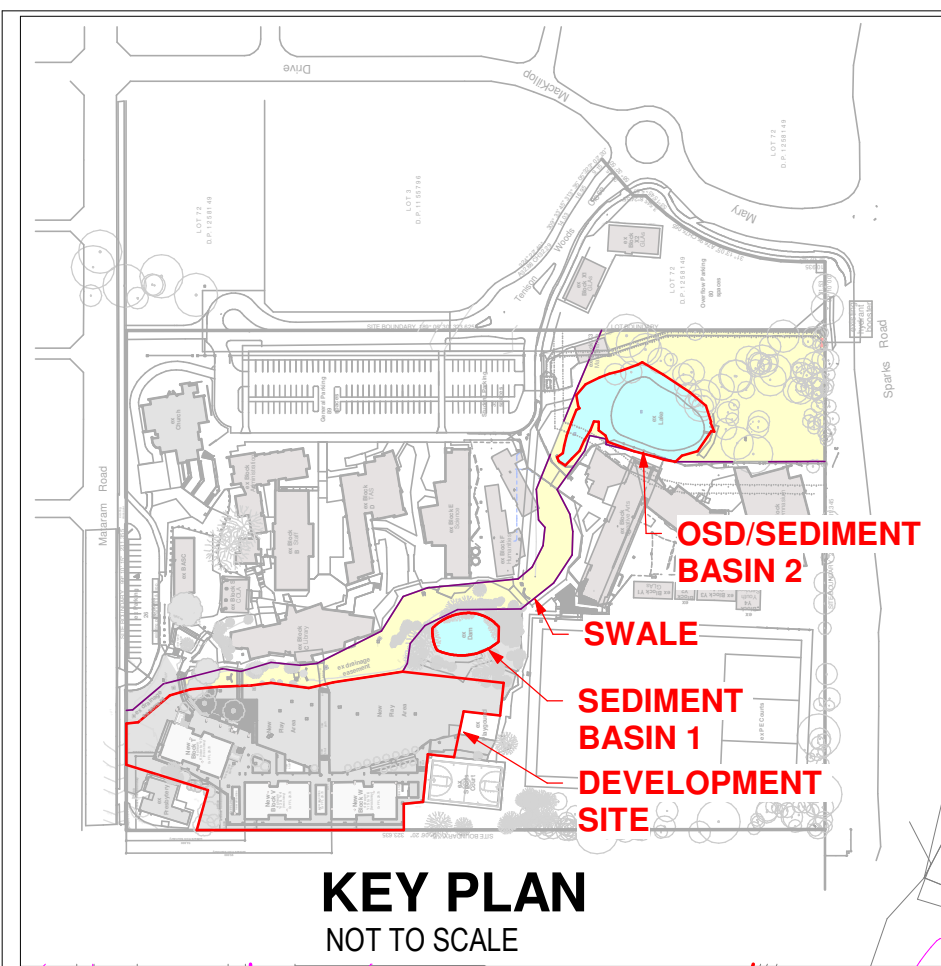
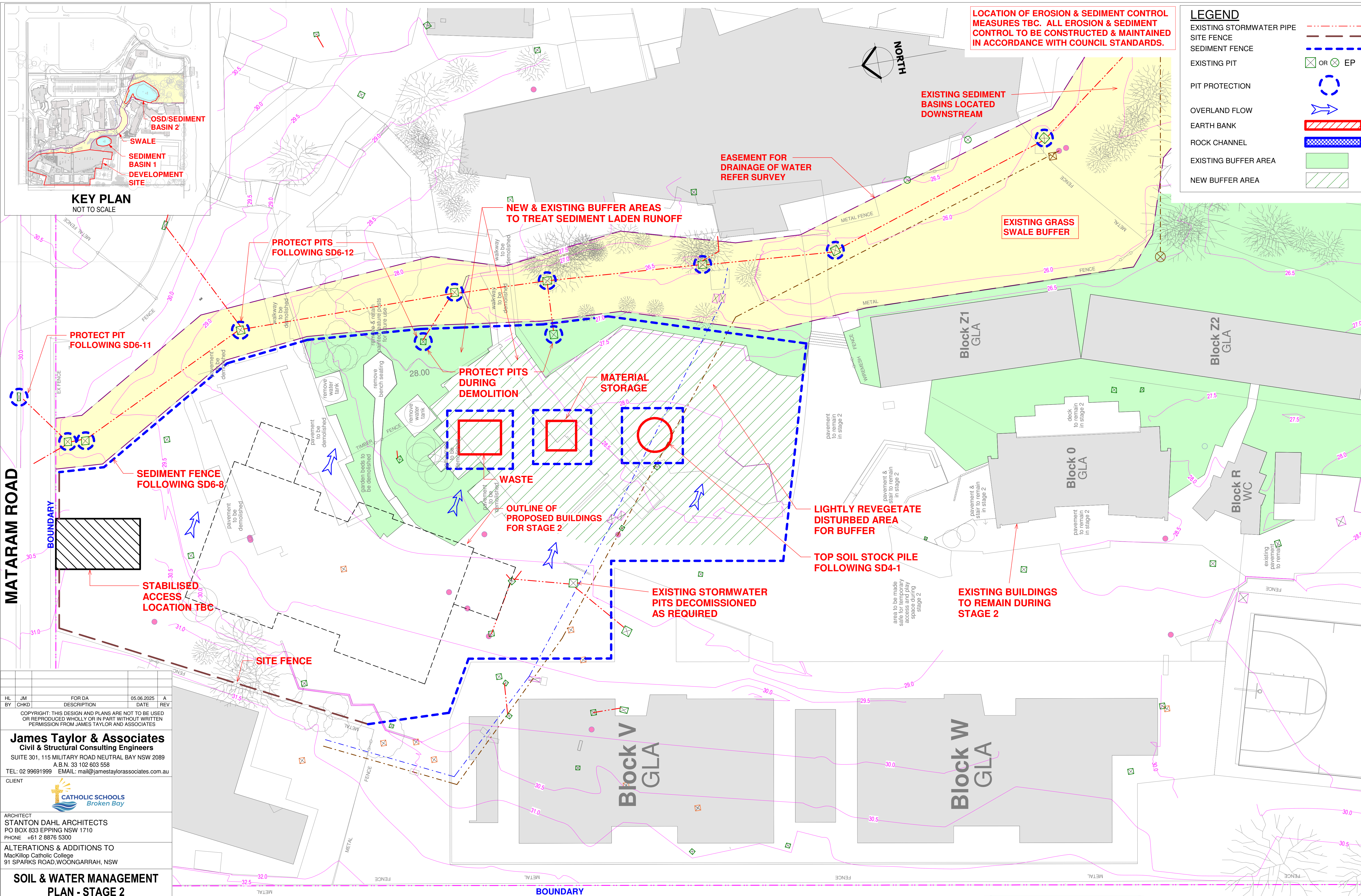


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ALTERATIONS & ADDITIONS TO MacKillop Catholic College 91 SPARKS ROAD, WOONGARRAH, NSW				
SOIL & WATER MANAGEMENT PLAN - STAGE 1				
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SOIL & WATER MANAGEMENT PLAN - STAGE 1
SCALE 1 : 200 @A1



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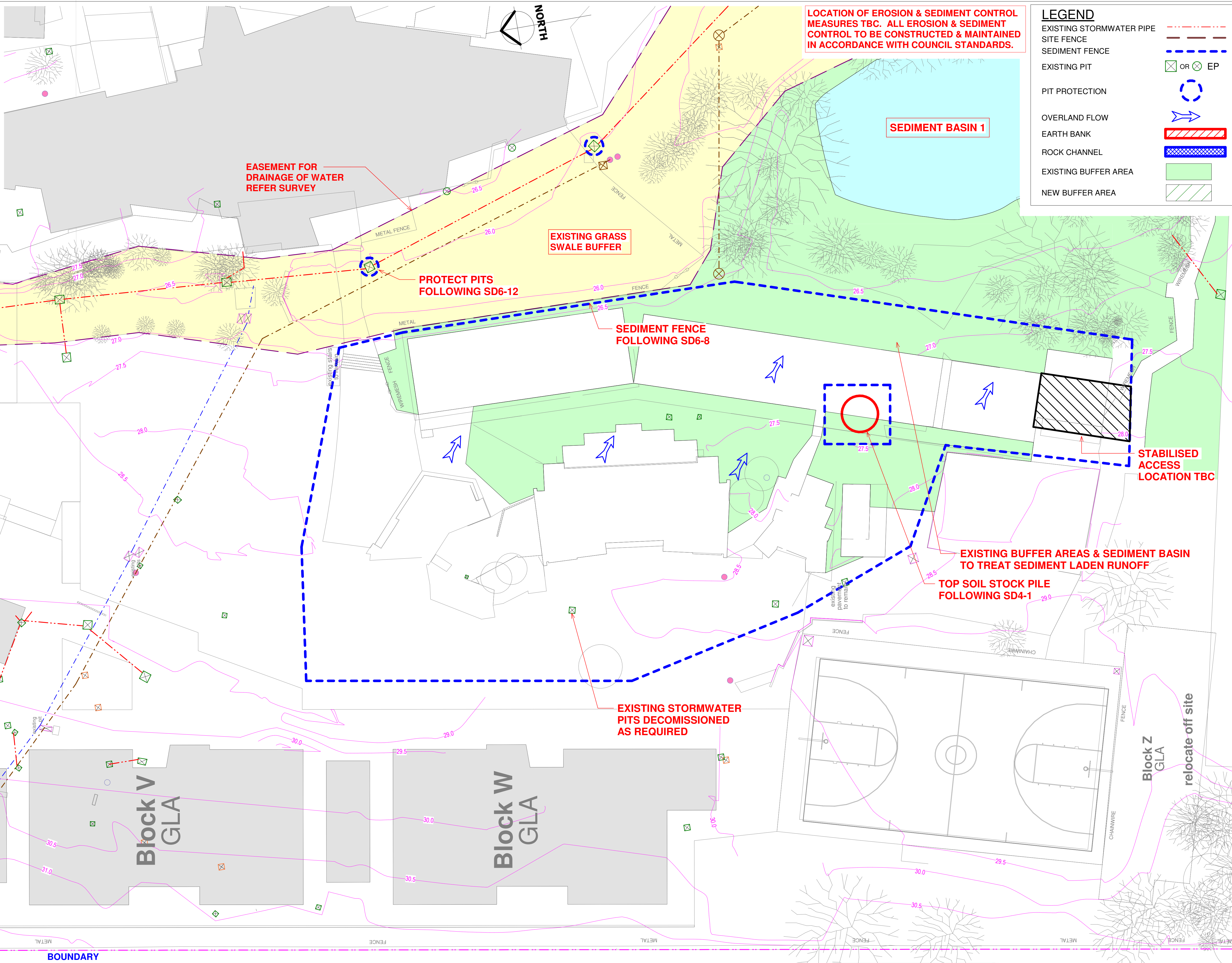
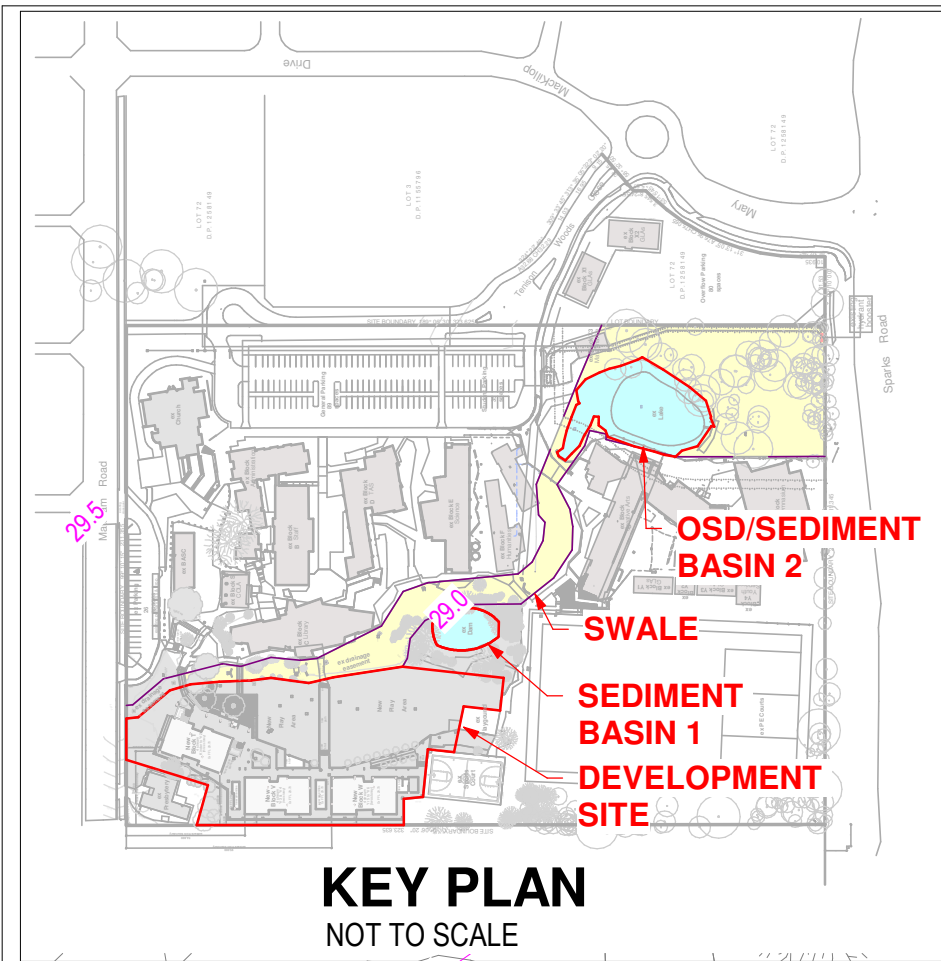
LEGEND	
EXISTING STORMWATER PIPE	---
SITE FENCE	---
SEDIMENT FENCE	---
EXISTING PIT	OR EP
PIT PROTECTION	○
OVERLAND FLOW	→
EARTH BANK	▨
ROCK CHANNEL	▤
EXISTING BUFFER AREA	▩
NEW BUFFER AREA	▧

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SOIL & WATER MANAGEMENT PLAN - STAGE 2				
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SOIL & WATER MANAGEMENT PLAN - STAGE 2
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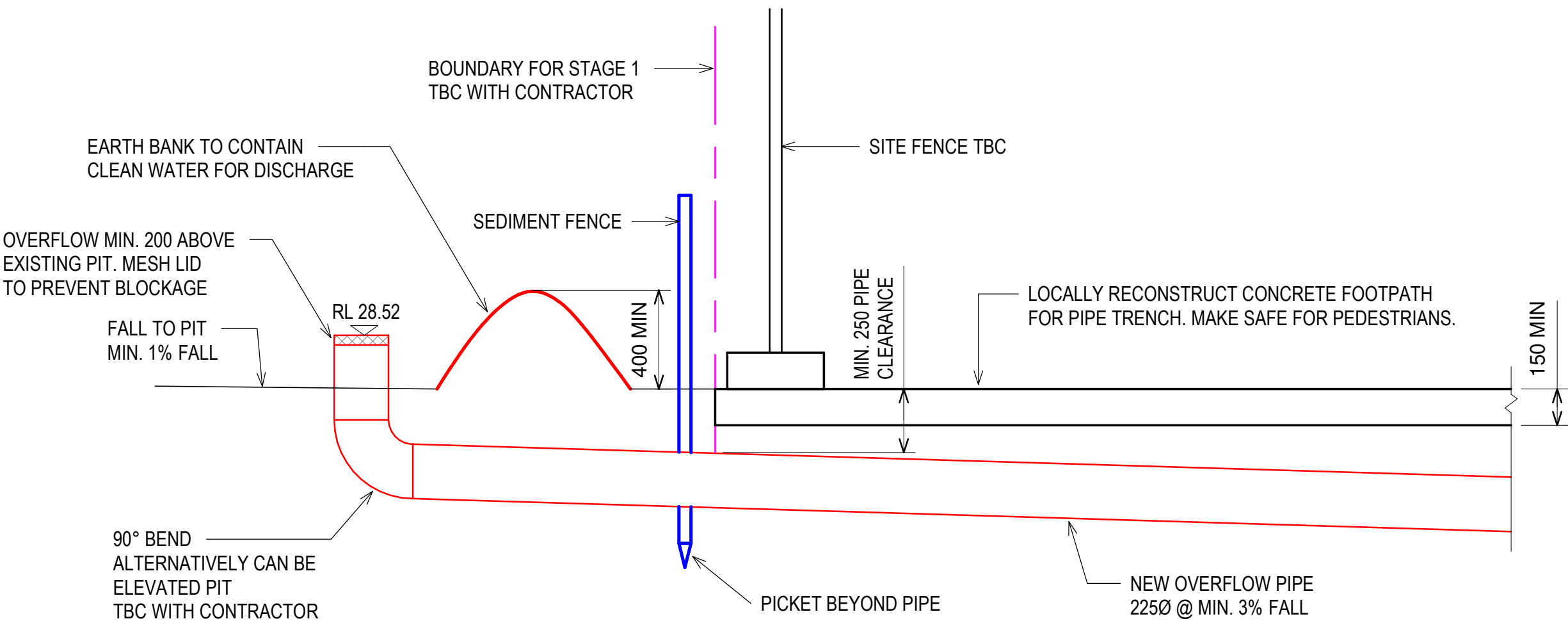
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SOIL & WATER MANAGEMENT PLAN - STAGE 3

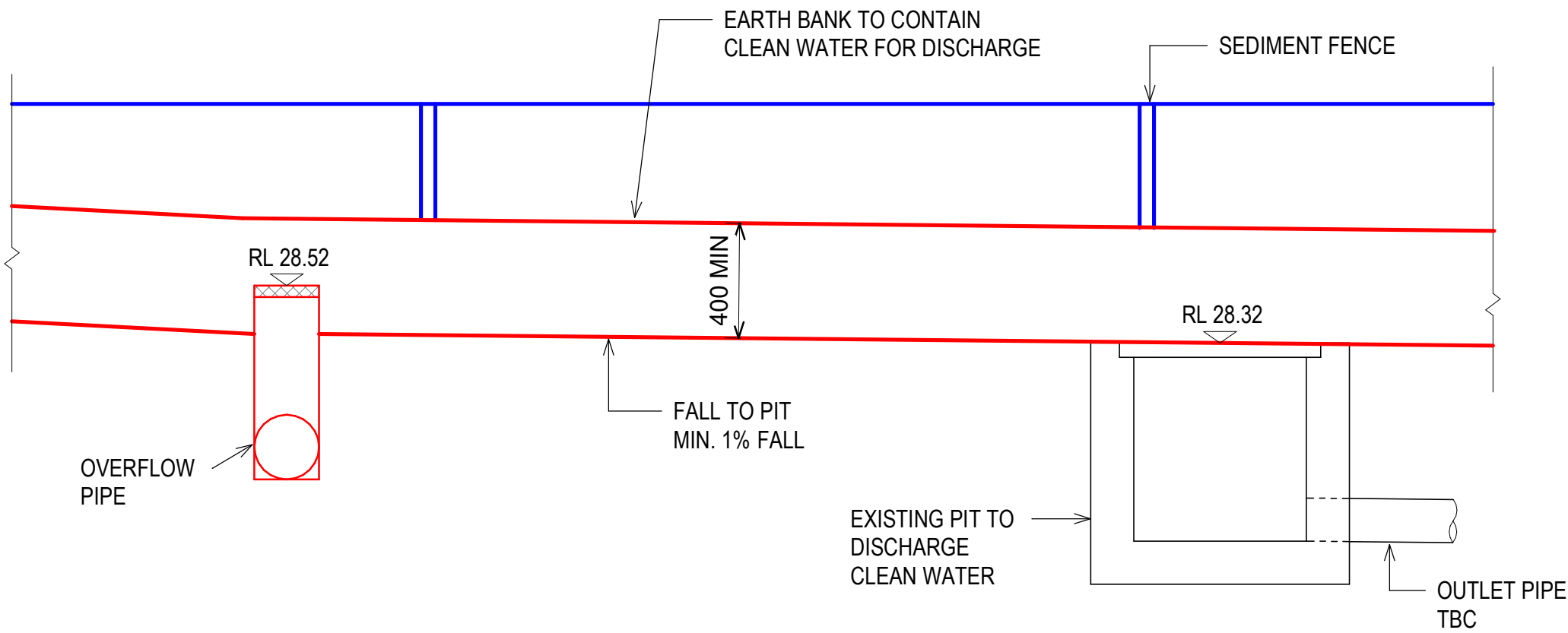
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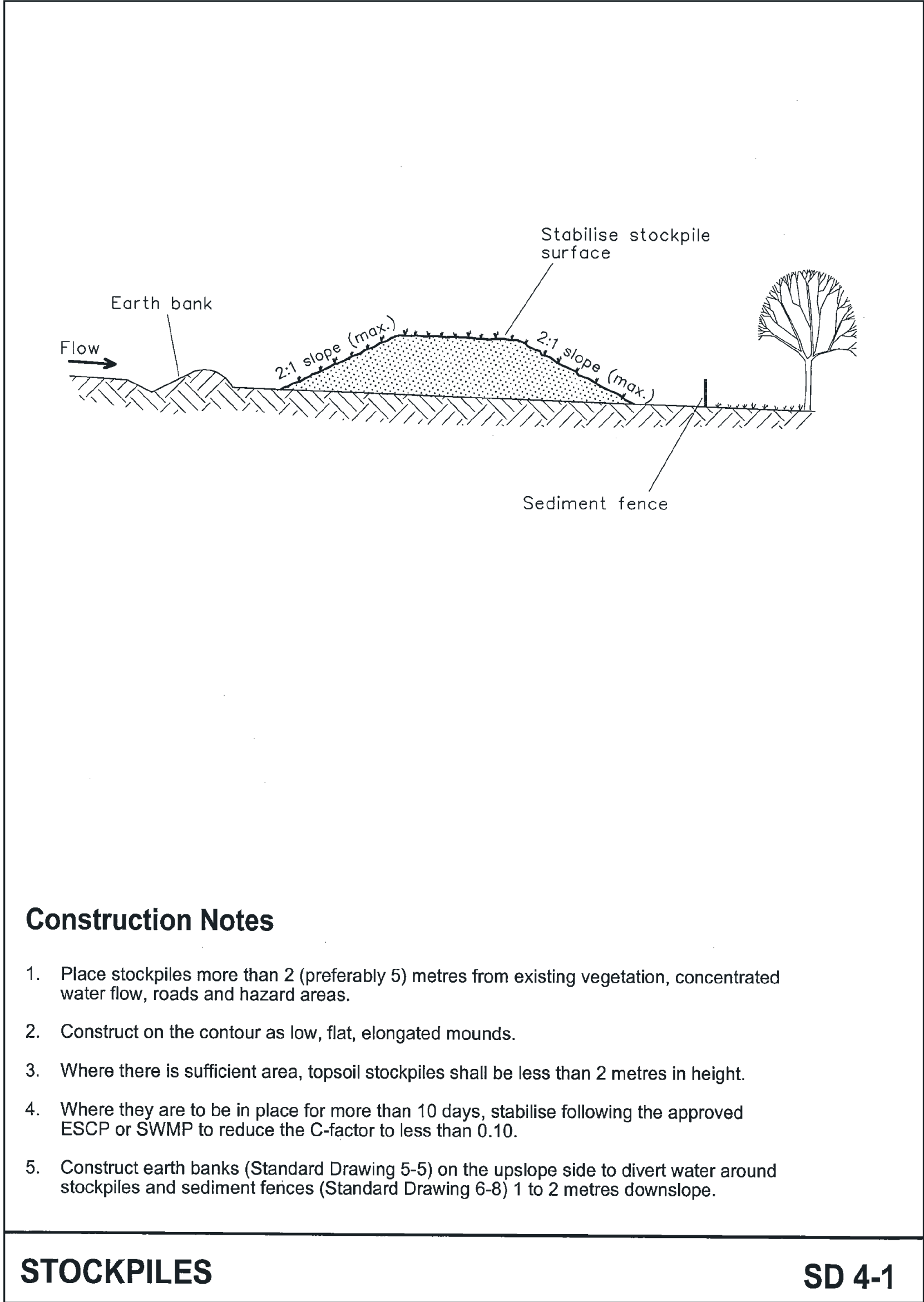


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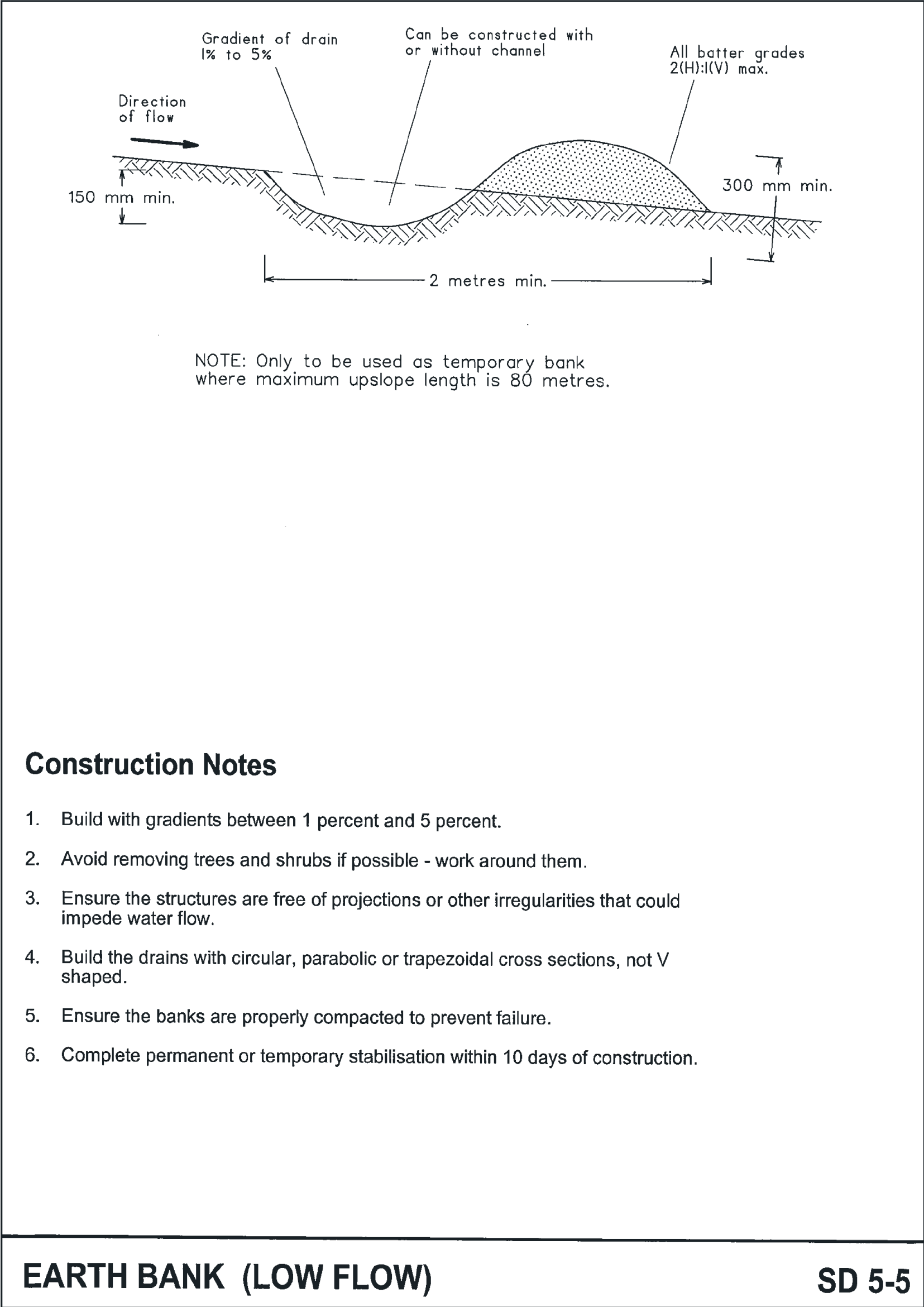


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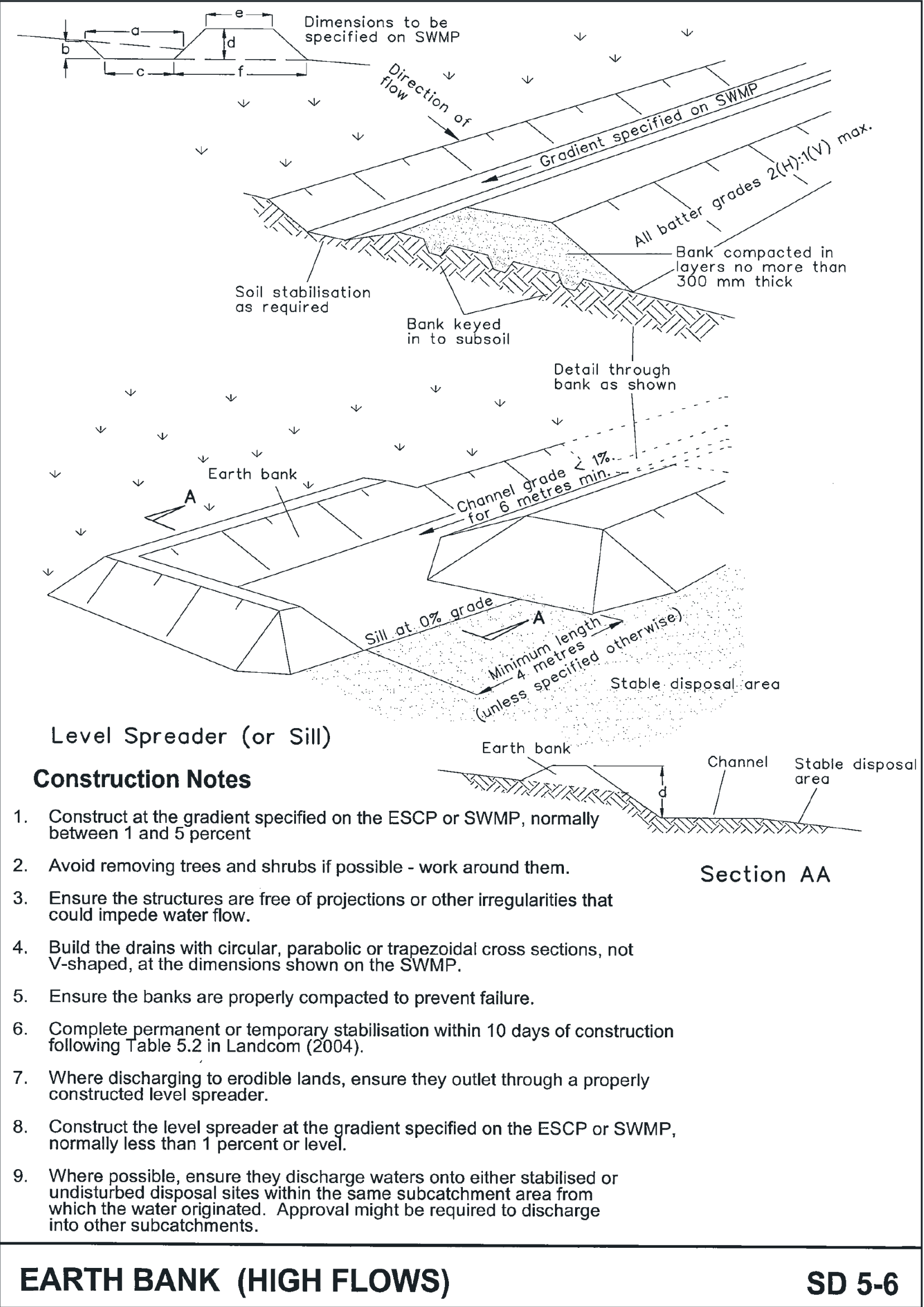
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SOIL & WATER MANAGEMENT SECTIONS					
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4-5

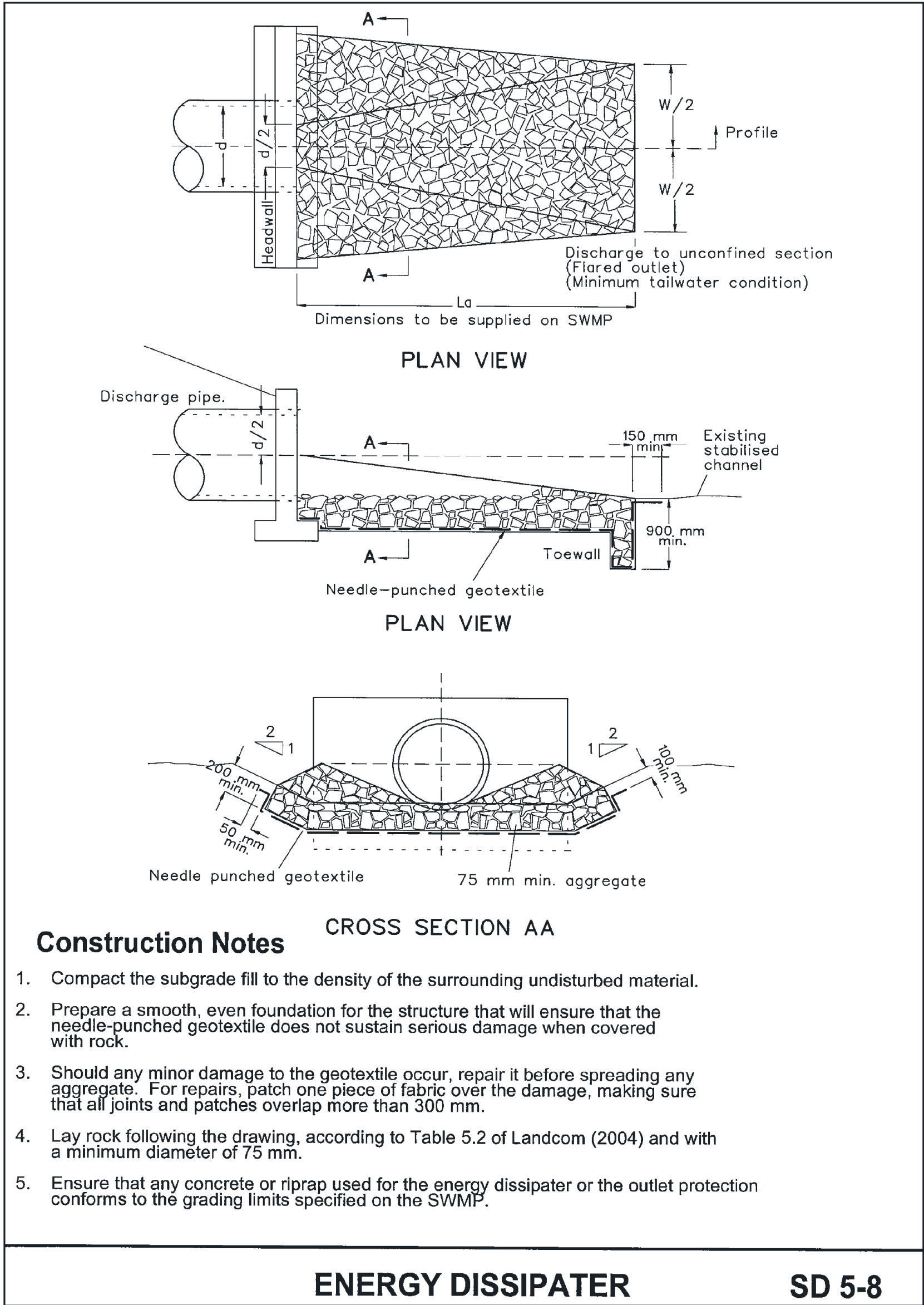


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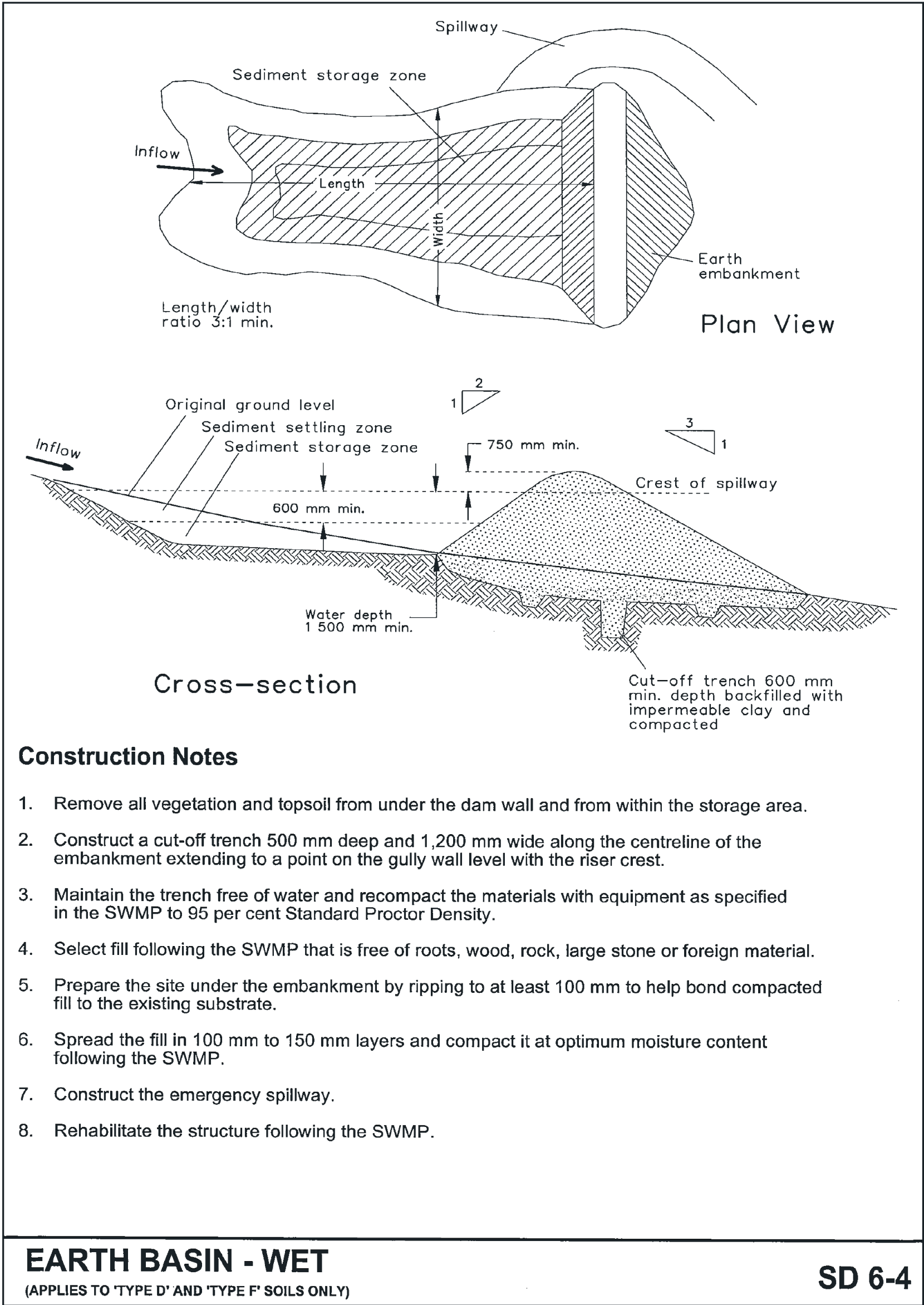


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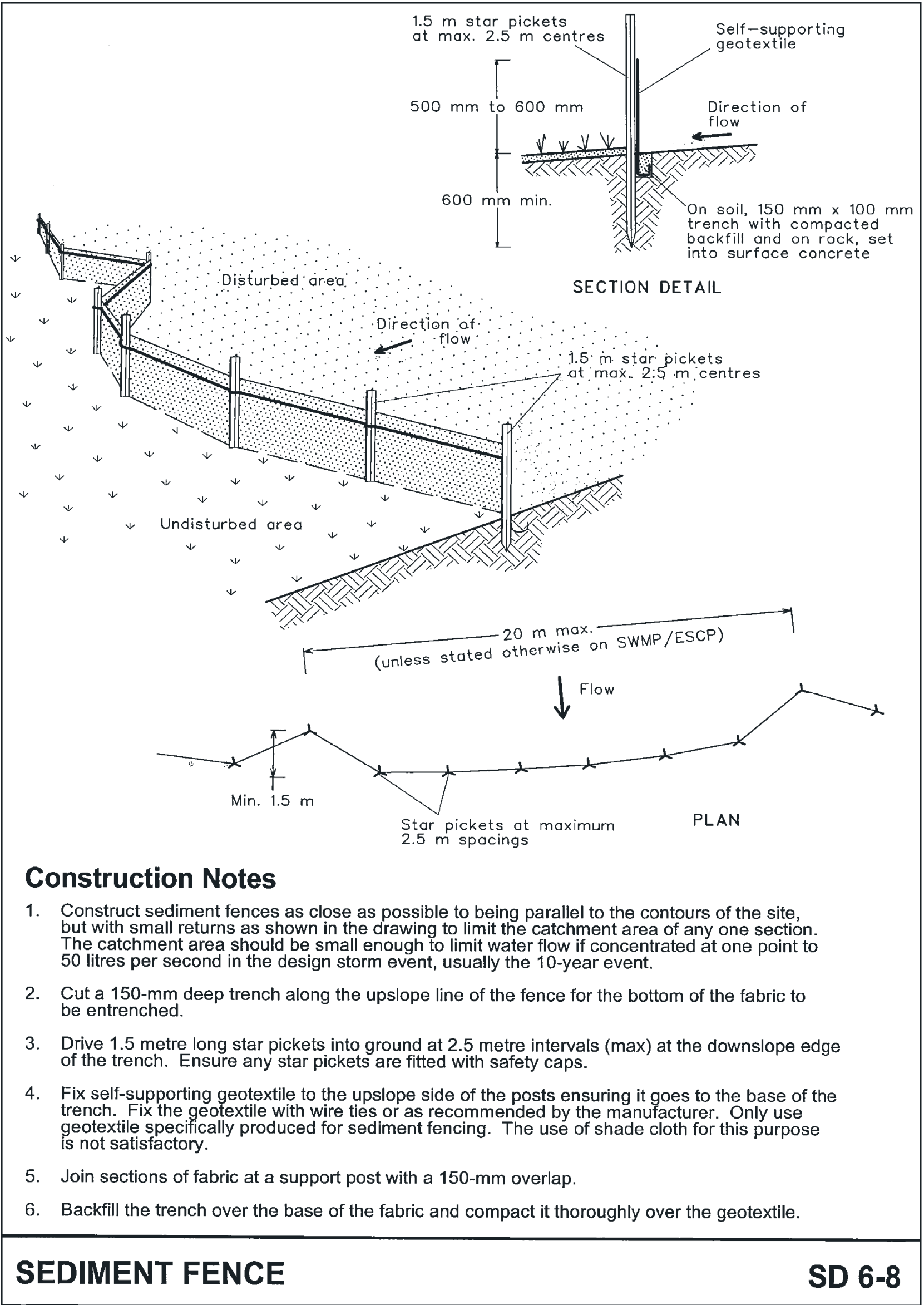
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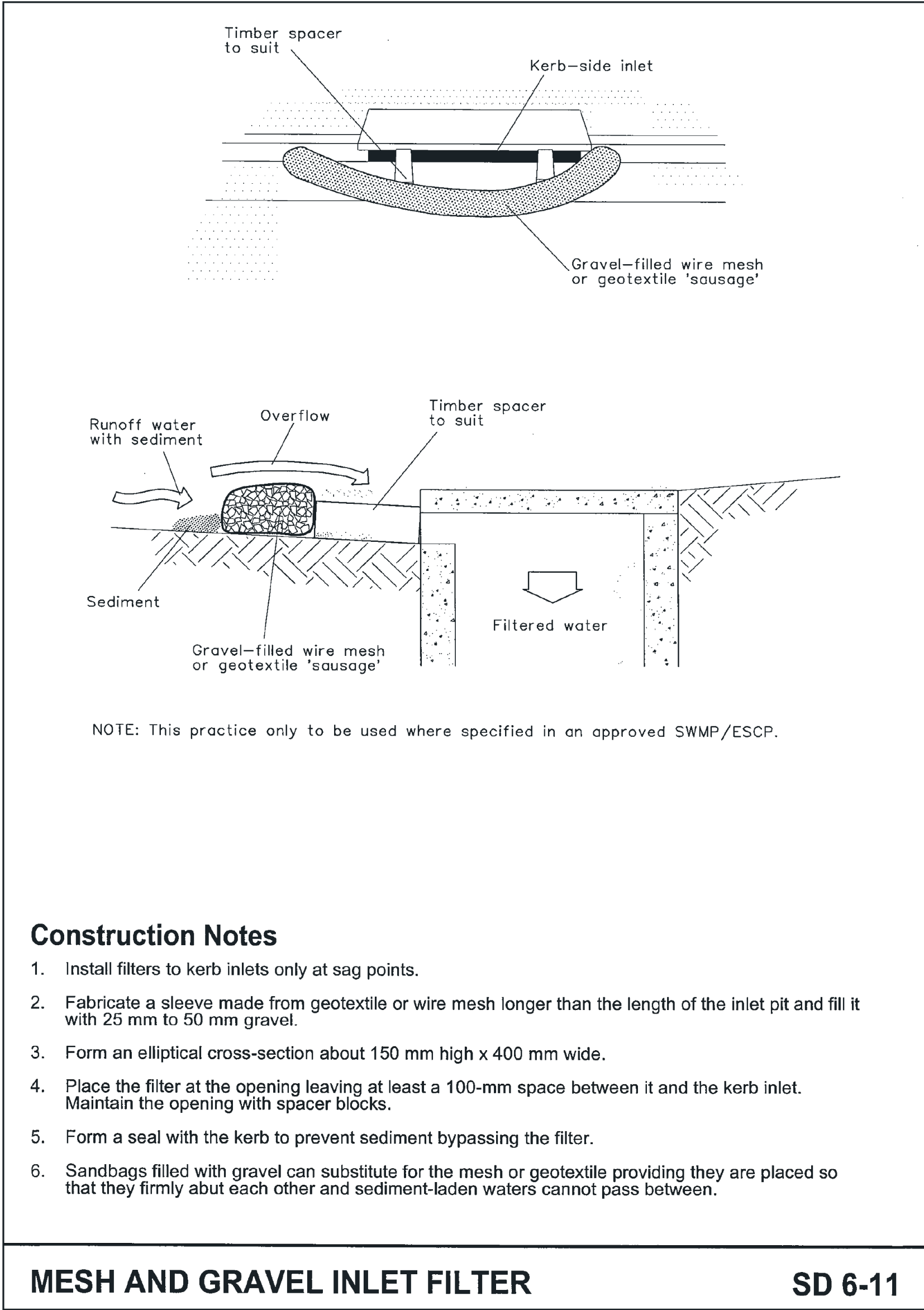


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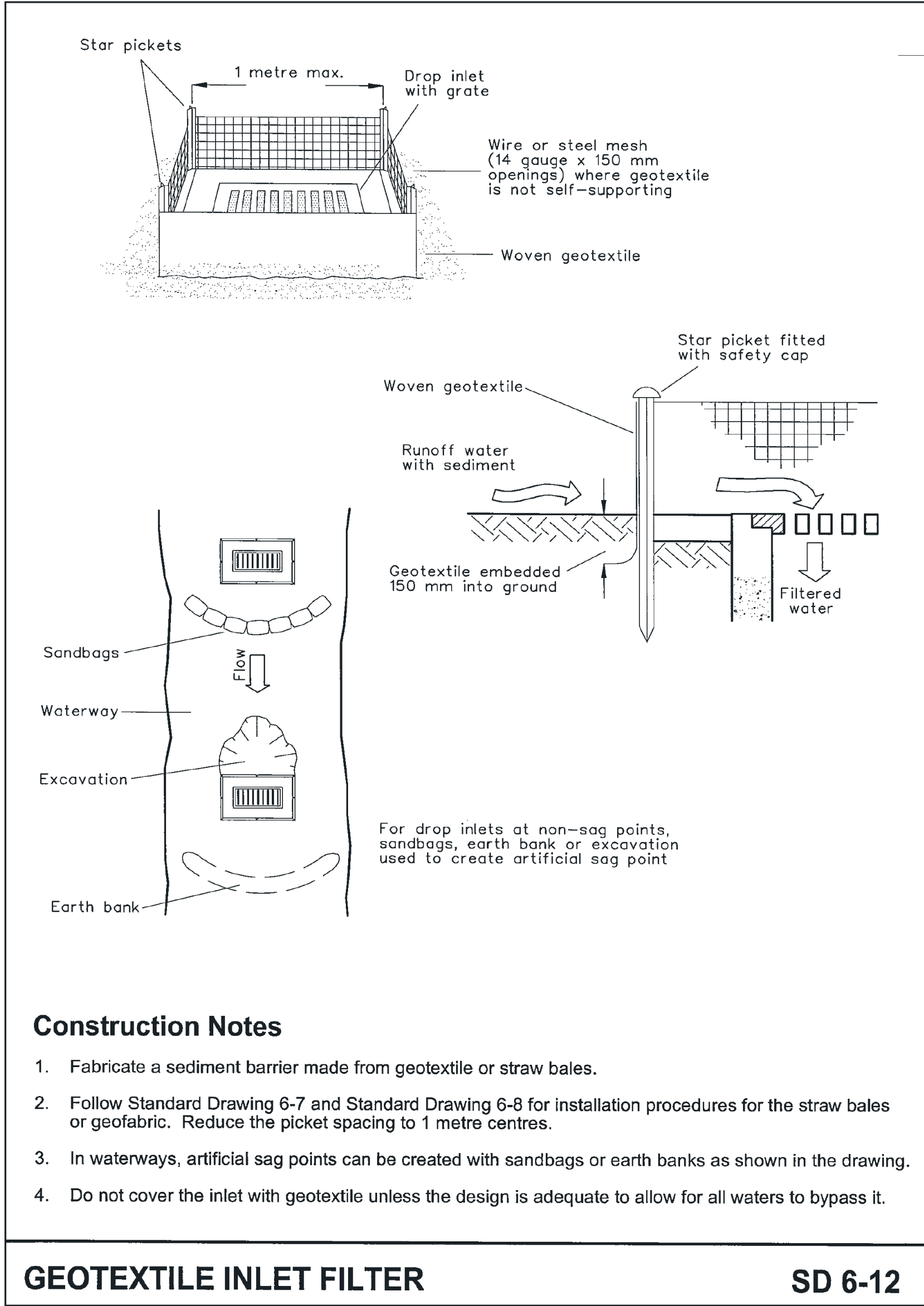


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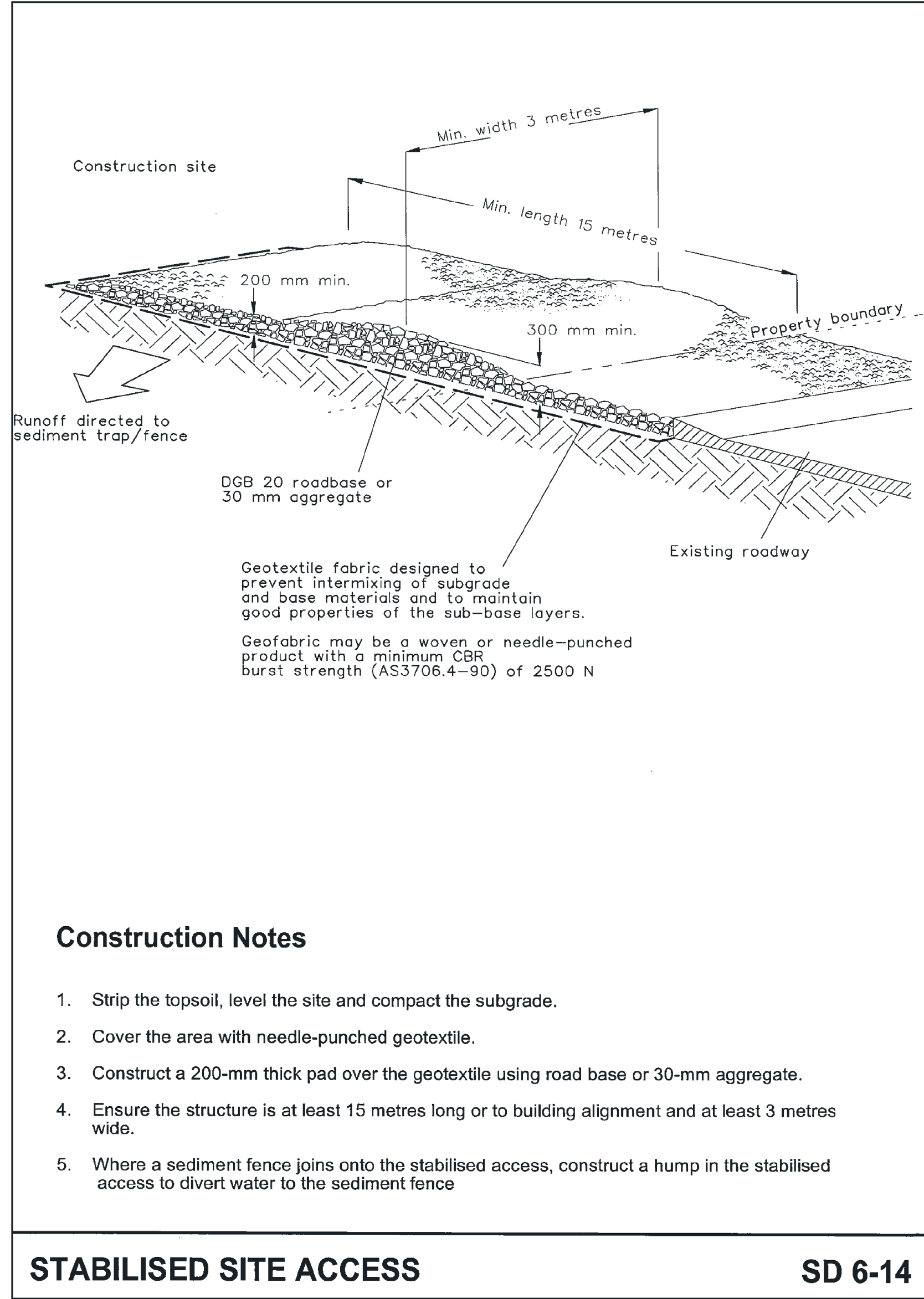
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ALTERATIONS & ADDITIONS TO MacKillop Catholic College 91 SPARKS ROAD,WOONGARRAH, NSW					
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