

12956 01 - SDMH SHOALHAVEN DISTRICT MEMORIAL HOSPITAL - SCENIC DR, NOWRA NSW 2541

DRAWING REGISTER AND LOCALITY PLAN - CIVIL & STORMWATER

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ASB-DD-DRG-CV-080	ACCESS ROAD CROSS SECTION TYP.



LOCALITY PLAN
NOT TO SCALE

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MEMORIAL HOSPITAL -
SCENIC DR, NOWRA NSW 2541

Drawing Title
DRAWING REGISTER AND
LOCALITY PLAN

DESIGN DEVELOPMENT

Designed	GK	Approved	Date	North
Drawn	DH			
Scale	-	Project Ref	Drawing No	Rev
Date	FEB. 22			
Sheet	A1	ASB-DD-DRG-CV-001		B

GENERAL NOTES

- G1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS OR SKETCHES AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE SUPERINTENDENT BEFORE PROCEEDING WITH WORK.
- G2 MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATION, CURRENT SAA CODES, BUILDING REGULATIONS AND THE REQUIREMENTS OF ANY OTHER RELEVANT STATUTORY AUTHORITIES.
- G3 THESE DRAWINGS MUST NOT BE SCALED. ALL DIMENSIONS ARE IN METERS. ALL SET OUT DIMENSIONS AND LEVELS, INCLUDING THOSE SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S DRAWINGS AND VERIFIED ON SITE.
- G4 ALL SETOUT AND DIMENSIONS OF THE STRUCTURE INCLUDING KERBS AND RETAINING WALLS, AND BULK EARTHWORKS MUST BE TAKEN FROM THE ARCHITECT'S DRAWINGS. SETOUT OF THE STORMWATER PITS BY OTHERS. CONTRACTOR TO CONFIRM SETOUT OF SERVICE TRENCHING INCLUDING SUBSOIL ON SITE.
- G5 THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE WORKS.
- G6 ALL DIMENSIONS AND REDUCED LEVELS MUST BE VERIFIED ON SITE BEFORE THE COMMENCEMENT OF ANY WORK.
- G7 THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE SUPERINTENDENT BUT IS NOT AN AUTHORISATION OF A COST VARIATION. THE SUPERINTENDENT MUST APPROVE ANY COST VARIATION INVOLVED BEFORE ANY WORK STARTS.
- G8 ALL LEVELS SHOWN ARE TO THE AUSTRALIAN HEIGHT DATUM.
- G9 SERVICE INFORMATION SHOWN IS APPROXIMATE ONLY. PRIOR TO COMMENCEMENT OF ANY WORKS, THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND SERVICES AND COMPLY WITH ALL REQUIREMENTS OF THOSE AUTHORITIES.
- G10 EXISTING SURFACE CONTOURS, WHERE SHOWN, ARE INTERPOLATED AND MAY NOT BE ACCURATE.
- G11 UNLESS NOTED OTHERWISE, ALL VEGETATION SHALL BE STRIPPED TO A MINIMUM DEPTH OF 150mm UNDER ALL PROPOSED PAVEMENT AND BUILDING AREAS.
- G12 MAKE SMOOTH CONNECTION WITH ALL EXISTING WORKS.

SITeworks NOTES

- S1 PRIOR TO THE PLACEMENT OF ANY PAVEMENTS, BUILDINGS OR DRAINS THE EXPOSED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD COMPACTION IN ACCORDANCE WITH TEST E11 OF A.S. 1289 FOR THE TOP 300mm. ANY SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH GRANULAR FILL TO THE ENGINEERS APPROVAL AND COMPACTED IN ACCORDANCE WITH THE COMPACTION REQUIREMENTS SET OUT BELOW. ON HIGHLY REACTIVE CLAY AREAS SITE EXCAVATED MATERIAL MAY BE USED WITH THE PRIOR AUTHORISATION OF THE ENGINEER.
- S2 MOISTURE CONTENT TO BE MAINTAINED AT +/- 2% OMC. MINIMUM COMPACTION REQUIREMENTS ARE DETAILED BELOW FOR (ALL REQUIREMENTS ARE TO VERIFIED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER):
- LANDSCAPED AREAS 98% STD.
 - FILL UNDER ANY FOOTINGS AND FLOOR SLABS FOR ANY STRUCTURE TO SUBGRADE LEVEL:
 - FINE CRUSHED ROCK 98% STD.
 - SELECTED FILL WITHOUT CONSPICUOUS CLAY CONTENT 98% STD.
 - BUILDING BASECOURSE 98% MOD
 - FILL UNDER ROAD PAVEMENTS:
 - TO WITHIN 500mm OF FINISHED SUBGRADE LEVEL 98% STD.
 - UP TO FINISHED SUBGRADE LEVEL 98% STD.
 - ROAD PAVEMENT MATERIALS:
 - SUB BASE 98% MOD.
 - BASE COURSE 98% MOD.
- THE MAXIMUM COMPACTION IS TO BE NO GREAT THAN 4% ON TOP OF THE ABOVE MENTION VALUES.
- S3 GRADE EVENLY BETWEEN FINISHED SURFACE SPOT LEVELS. FINISHED SURFACE CONTOURS ARE SHOWN FOR CLARITY. WHERE FINISHED SURFACE LEVELS ARE NOT SHOWN, THE SURFACE SHALL BE GRADED SMOOTHLY SO THAT IT WILL DRAIN AND MATCH ADJACENT SURFACES OR STRUCTURES.
- S4 ALL DIMENSIONS GIVEN ARE TO FACE OF KERB, CENTER OF PIPE OR EXTERIOR FACE OF BUILDING UNLESS NOTED OTHERWISE.
- S5 ANY STRUCTURES, PAVEMENTS OR SURFACES DAMAGED, DIRTIED OR MADE UNSERVICABLE DUE TO CONSTRUCTION WORK SHALL BE REINSTATED TO THE SATISFACTION OF THE ENGINEER.
- S6 ANY FILL REQUIRED SHALL BE APPROVED BY THE ENGINEER / GEOTECHNICAL CONSULTANT
- S7 CONTRACTOR IS TO ENSURE THAT ALL EXCAVATIONS ARE MAINTAINED IN A DRY CONDITION WITH NO WATER ALLOWED TO REMAIN IN THE EXCAVATIONS.
- S8 ALL FINISHES AND COLOURS TO BE IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS.
- S9 REFER TO STRUCTURAL DRAWINGS FOR CONCRETE, REINFORCEMENT AND RETAINING WALL DETAILS.
- S10 GENERALLY FOR TRENCHING WORKS THE CONTRACTOR MUST:
A) COMPLY WITH THE GENERAL PROVISIONS OF PART 31 "MANAGING RISKS TO HEALTH AND SAFETY" OF NSW WORK AND HEALTH AND SAFETY REGULATION 2011
B) COMPLY PART 6.3 DIVISION 3 "EXCAVATION WORK" OF NSW WORK HEALTH AND SAFETY REGULATION NSW 2011
- S11 PRIOR TO THE EXCAVATION OF ANY TRENCH DEEPER THAN 1.5 METRES THE CONTRACTOR MUST:
A) NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY ON THE APPROPRIATE FORM.

STORMWATER DRAINAGE NOTES

- SW1 UNLESS NOTED OTHERWISE BY HYDRAULIC ENGINEERS DRAWINGS, ALL DOWNPIPES & GRATED INLETS SHALL BE CONNECTED TO PITS OR MAIN STORMWATER DRAINS WITH 150 DIA. UPVC PIPES LAID AT A MINIMUM GRADE OF 1 IN 100. FOR SYPHONIC ROOF DRAINAGE SYSTEMS ALL DOWNPIPES CONNECTION DRAIN SIZES TO BE CONNECTED INTO MAIN STORMWATER DRAINS SHALL BE IN ACCORDANCE WITH HYDRAULIC ENGINEERS DRAWINGS.
- SW2 ALL MAIN STORMWATER DRAINS SHALL BE CONSTRUCTED USING MATERIALS AS SPECIFIED ON THE DRAWINGS IN ACCORDANCE WITH THE APPROPRIATE A.S. IF NOT SPECIFIED THEN CLASS 2 RRJ RCP SHALL BE USED FOR DIAMETERS > 225mm. SEWER CLASS SEH UPVC IN ACCORDANCE WITH AS1260 SHALL BE USED FOR Ø225mm OR SMALLER.
- SW3 ALL PIPEWORK TO BE INSTALLED IN ACCORDANCE WITH AS3725 FOR RCP AND AS2032 FOR PVC. ALL BEDDING TO BE TYPE H2 UNLESS NOTED OTHERWISE.
- SW4 FOR ALL PITS > 12m DEEP, STEP IRONS SHALL BE INSTALLED.
- SW5 PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY BONACCI GROUP.
- SW6 ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- SW7 WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
- SW8 GRATES AND COVERS SHALL CONFORM WITH AS 3996 AND AS 1428.1 FOR ACCESS REQUIREMENTS.
- SW9 CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- SW10 AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- SW11 ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

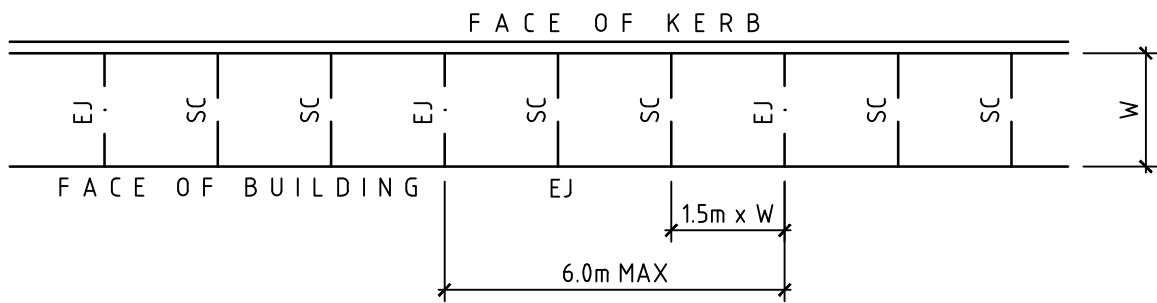
KERBING NOTES

- K1 ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 32 MPa U.N.O.
- K2 ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 75mm GRANULAR BASECOURSE COMPACTED TO A MINIMUM 98% MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1289 5.2.1.
- K3 EXPANSION JOINTS (EJ) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLAB.
- K4 WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLAB.
- K5 BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
- K6 IN THE REPLACEMENT OF KERBS:-
- EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O. FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER, NEW BASECOURSE AND SURFACE TO BE LAID 600mm WIDE U.N.O.
- EXISTING KERBS ARE TO BE COMPLETELY REMOVED WHERE NEW KERBS ARE SHOWN.

JOINTING NOTES

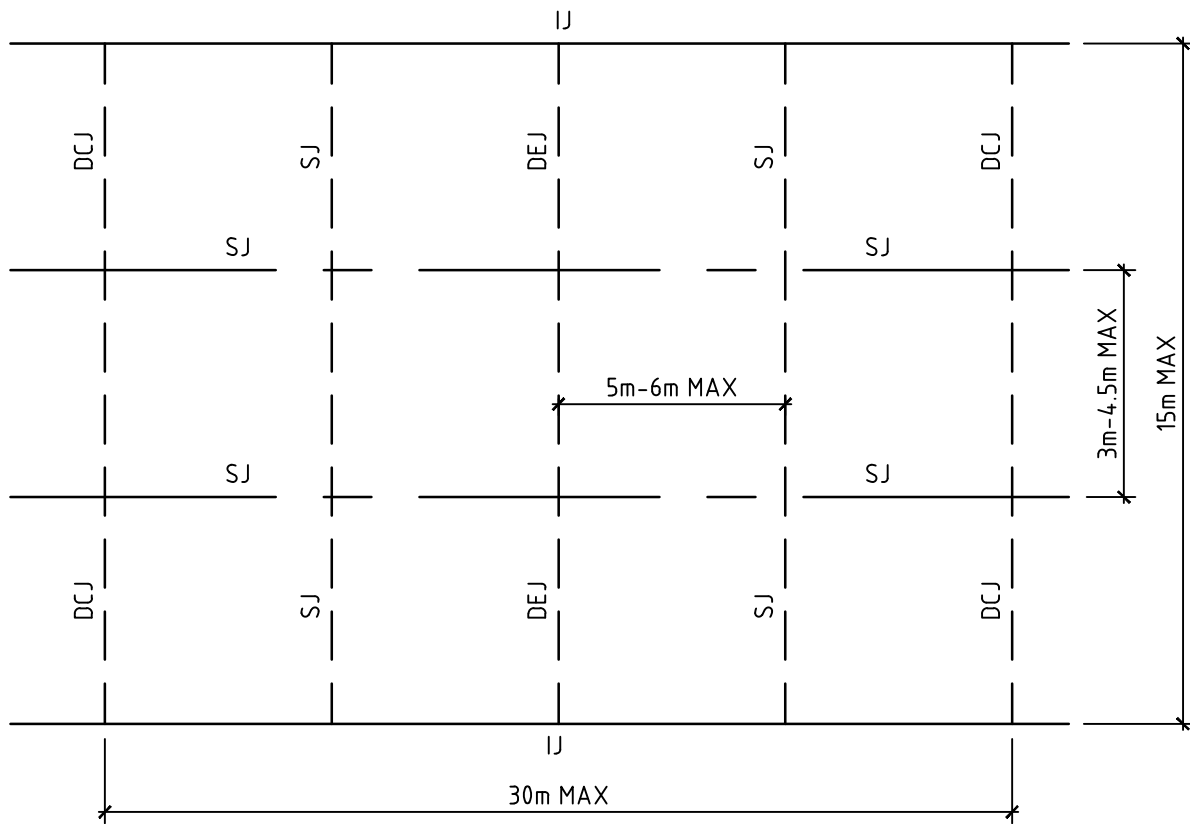
PEDESTRIAN FOOTPATH JOINTS

- J1 EXPANSION JOINTS (EJ) ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT 6m CENTRES.
- J2 SAWCUT JOINTS (SC) ARE TO BE LOCATED AT A MAX 15m x WIDTH OF PAVEMENT. THE TIMING OF THE SAWCUT IS TO BE CONFIRMED BY THE CONTRACTOR ON SITE. SITE CONDITIONS WILL DETERMINE HOW MANY HOURS AFTER THE CONCRETE POUR BEFORE THE SAW CUTS ARE COMMENCED.
- J3 WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND / OR ADJACENT PAVEMENT JOINTS.
- J4 PROVIDE 10mm WIDE FULL DEPTH EXPANSION JOINTS (EJ) BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVERS
- J5 ALL PEDESTRIAN FOOTPATH JOINTINGS AS FOLLOWS (U.N.O.).



VEHICULAR PAVEMENT JOINTS

- J6 ALL VEHICULAR PAVEMENTS TO BE JOINTED AS SHOWN ON DRAWINGS.
- J7 ISOLATION JOINTS WITH SUB-GRADE BEAM (IJ) TO BE PROVIDED AT INTERSECTIONS OR AT THE JUNCTION OF A POUR BREAK.
- J8 ALL VEHICULAR PAVEMENTS TO BE JOINTED IN ACCORDANCE WITH AUSTRROADS AGPT02-12 GUIDE TO PAVEMENT TECHNOLOGY PART 2 STRUCTURAL PAVEMENT DESIGN AND SUPPLEMENT AP-T36-06 PAVEMENT DESIGN FOR LIGHT TRAFFIC
- J9 VEHICULAR PAVEMENT JOINTING AS FOLLOWS (U.N.O.)



WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.

ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.

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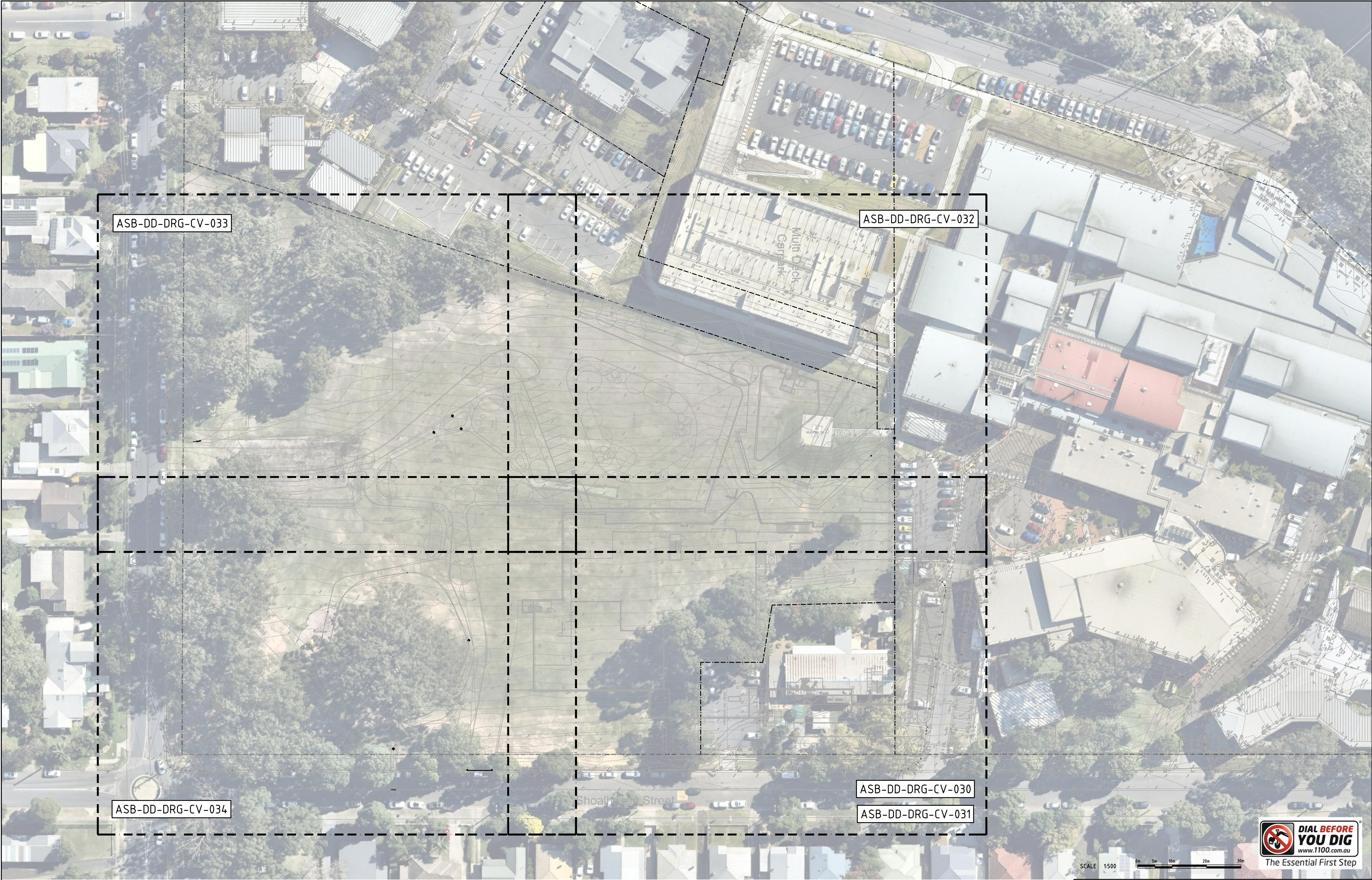
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MEMORIAL HOSPITAL -
SCENIC DR, NOWRA NSW 2541

Drawing Title
GENERAL NOTES

DESIGN DEVELOPMENT

Designed GK	Approved DH	Date	North
Drawn DH			
Scale -			
Date FEB. 22	Project Ref	Drawing No	Rev
Sheet A1	ASB-DD-DRG-CV-002		A



SCALE 1:500 0m 5m 10m 20m 30m



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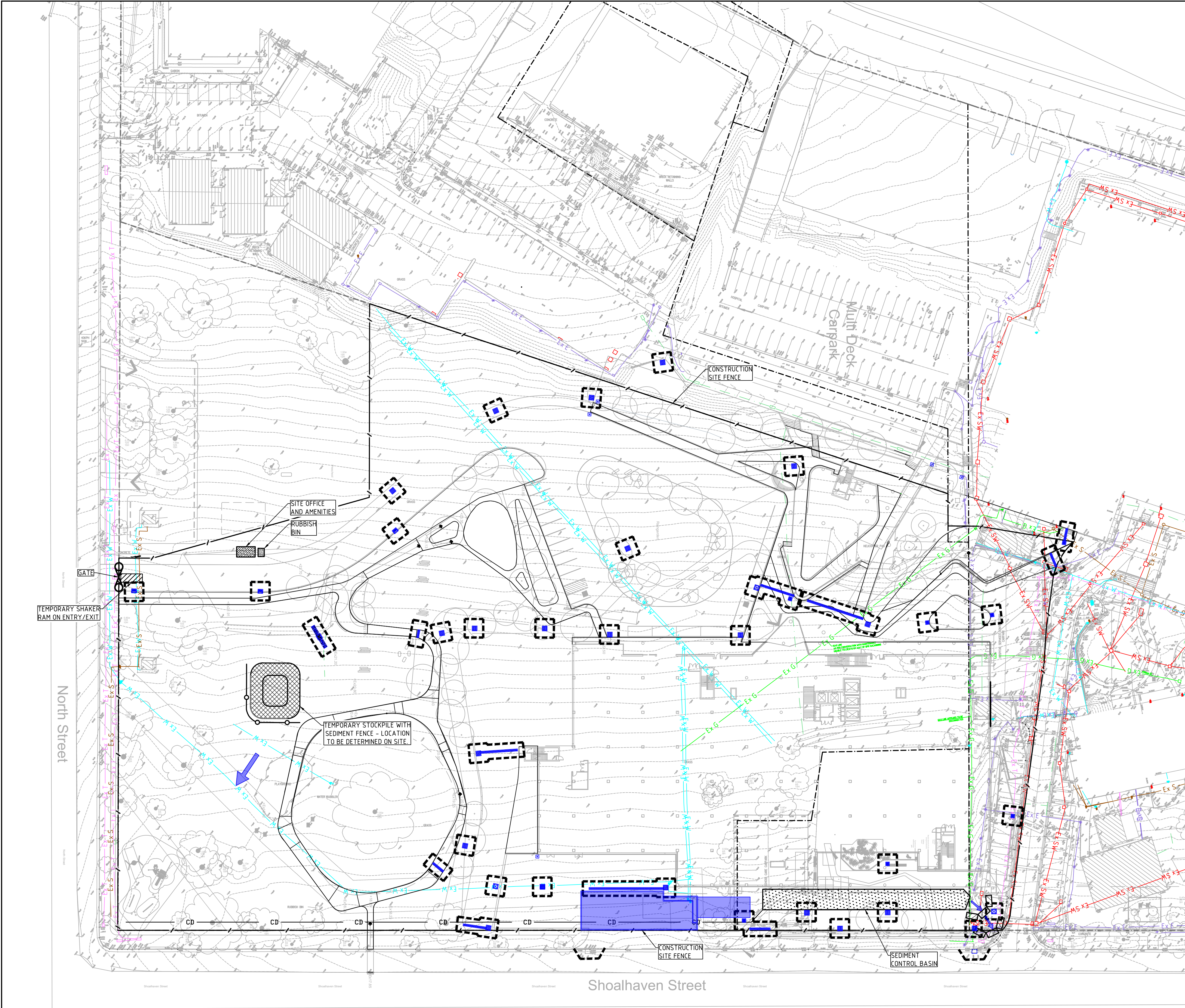
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Drawing Title

GENERAL ARRANGEMENT
PLAN

DESIGN DEVELOPMENT			
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Sheet	A1	ASB-DD-DRG-CV-003	A

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SEDIMENT AND EROSION CONTROL NOTES

- IT HAS BEEN ASSUMED THAT HOARDINGS/SILT FENCING WILL BE PROVIDED TO THE STAGE BOUNDARY SUFFICIENT TO PREVENT SEDIMENT RUNOFF FROM LEAVING SITE (EXCEPT IN THE CASE OF ENTRY/EXIT LOCATIONS WHERE TEMPORARY CONSTRUCTION ENTRY/EXIT SEDIMENT TRAP ARE PROVIDED). IF THIS IS NOT THE CASE, PROVIDE SEDIMENT FENCE TO STANDARD DETAIL BELOW AS REQUIRED TO PREVENT SEDIMENT FROM LEAVING SITE, DIRECT RUNOFF TO SEDIMENT BASIN.
- ALL SEDIMENT CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH LANDCOM MANAGING URBAN STORMWATER "BLUE BOOK".

SEDIMENT CONTROL CONDITIONS

- SEDIMENT FENCES AND STRAW BALES WILL BE INSTALLED AS SHOWN AND ELSEWHERE AT THE DISCRETION OF THE SITE MANAGER TO CONTAIN COARSER SEDIMENT FRACTIONS INCLUDING AGGREGATED FINES) AS NEAR AS POSSIBLE TO THEIR SOURCE.
- SEDIMENT REMOVED FROM ANY TRAPPING DEVICE WILL BE RELOCATED WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS & WATERWAYS CANNOT OCCUR.
- STOCKPILES WILL BE PLACED WHERE SHOWN ON DRAWING OR ELSEWHERE AT THE DISCRETION OF THE SITE MANAGER AND NOT WITHIN 5m OF HAZARD AREAS INCLUDING LIKELY AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS & DRIVEWAYS.
- WATER WILL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM WITH INLET FILTERS (SEE DETAILS) UNLESS IT IS SEDIMENT FREE.
- TEMPORARY SEDIMENT TRAPS WILL BE RETAINED UNTIL AFTER THE LANDS THEY ARE PROTECTING ARE COMPLETELY REHABILITATED.

SITE INSPECTION & MAINTENANCE CONDITIONS

THE SITE MANAGER WILL INSPECT THE SITE AT LEAST WEEKLY AND WILL:

- ENSURE THAT DRAINS OPERATE PROPERLY & TO EFFECT ANY NECESSARY REPAIRS
- REMOVE SPILLED SAND OR OTHER MATERIALS FROM HAZARD AREAS, INCLUDING LANDS CLOSER THAN 5m FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY WATERWAYS & PAVED AREAS.
- REMOVE TRAPPED SEDIMENT WHENEVER LESS THAN DESIGN CAPACITY REMAINS WITHIN THE STRUCTURE
- ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS APPROPRIATE.
- CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS.
- MAINTAIN EROSION & SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED.
- REMOVE TEMPORARY SOIL CONSERVATION STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.

AS PART OF THE STATUTORY 'DILIGENCE OF CARE' RESPONSIBILITIES, THE SITE MANAGER WILL KEEP A LOGBOOK MAKING ENTRIES AT LEAST WEEKLY, IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL. ENTRIES WILL INCLUDE:

- THE VOLUME & INTENSITY OF ANY RAINFALL EVENTS
- THE CONDITION OF ANY SOIL & WATER MANAGEMENT WORKS
- THE CONDITION OF VEGETATION & ANY NEED TO IRRIGATE
- THE NEED FOR DUST PREVENTION STRATEGIES
- ANY REMEDIAL WORKS TO BE UNDERTAKEN

THE BOOK WILL BE KEPT ONSITE & MADE AVAILABLE TO ANY AUTHORISED PERSON ON REQUEST. IT WILL BE GIVEN TO THE PROJECT MANAGER AT THE CONCLUSION OF WORKS.

SURVEY LEGEND

- SITE BOUNDARY
- +26.58 EX SURFACE LEVEL
- 5.00 EX SURFACE CONTOUR
- ☼ EX TREE
- Ex SW EXISTING STORMWATER DRAINAGE LINE
- Ex S EXISTING SEWER LINE
- Ex W EXISTING WATER MAIN
- Ex G EXISTING GAS LINE
- Ex T EXISTING TELECOMMUNICATIONS LINE
- Ex E EXISTING ELECTRICAL LINE
- - - EXISTING UNKNOWN SERVICE
- ✕ Ex E ✕ EXISTING SERVICE TO BE MADE REDUNDANT

SEDIMENT AND EROSION CONTROL LEGEND

- / — BARRIER FENCE
- ○ — SEDIMENT FENCE
- CD — CATCH DRAIN
- ▨ TEMPORARY SHAKER RAMP FOR ENTRY/EXIT
- ▩ TEMPORARY STOCKPILE (LOCATION TBC ON-SITE)
- ▧ SITE OFFICE AND AMENITIES
- ▤ SEDIMENT BASIN (LOCATION TBC ON-SITE)
- ▦ RUBBISH BIN
- ☐ GEOTEXTILE PIT FILTER / FILTER SURROUND INSTALLED ON EXISTING PIT
- ☐ SANDBAGS INSTALLED ON EXISTING PIT
- ➡ OVERLAND FLOW
- ☐ HAY BALES

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.



SCALE 1:500 0m 5m 10m 20m 30m

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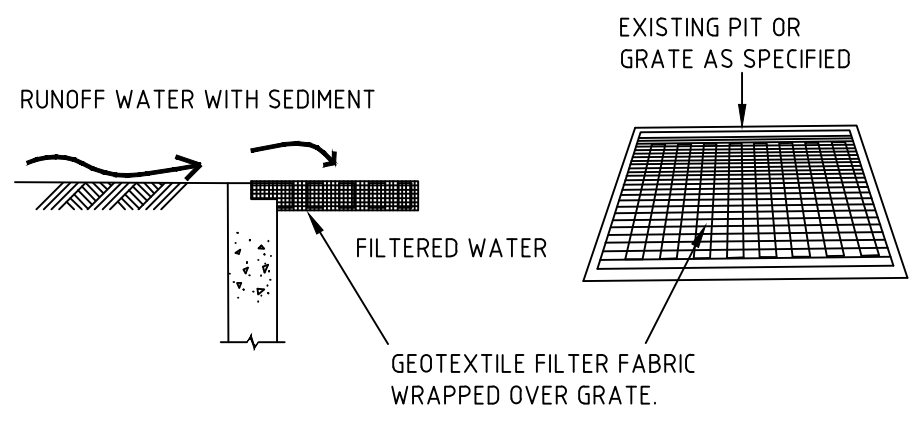
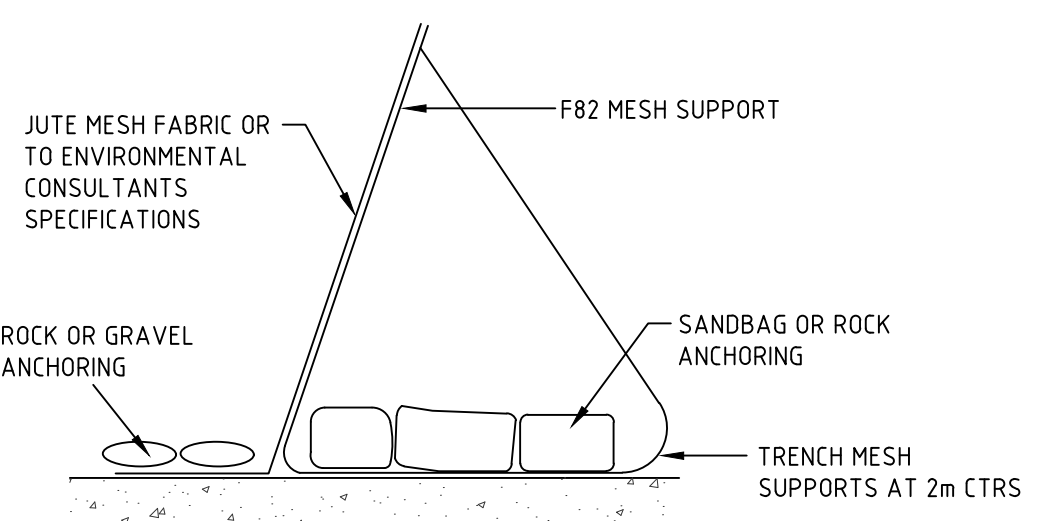
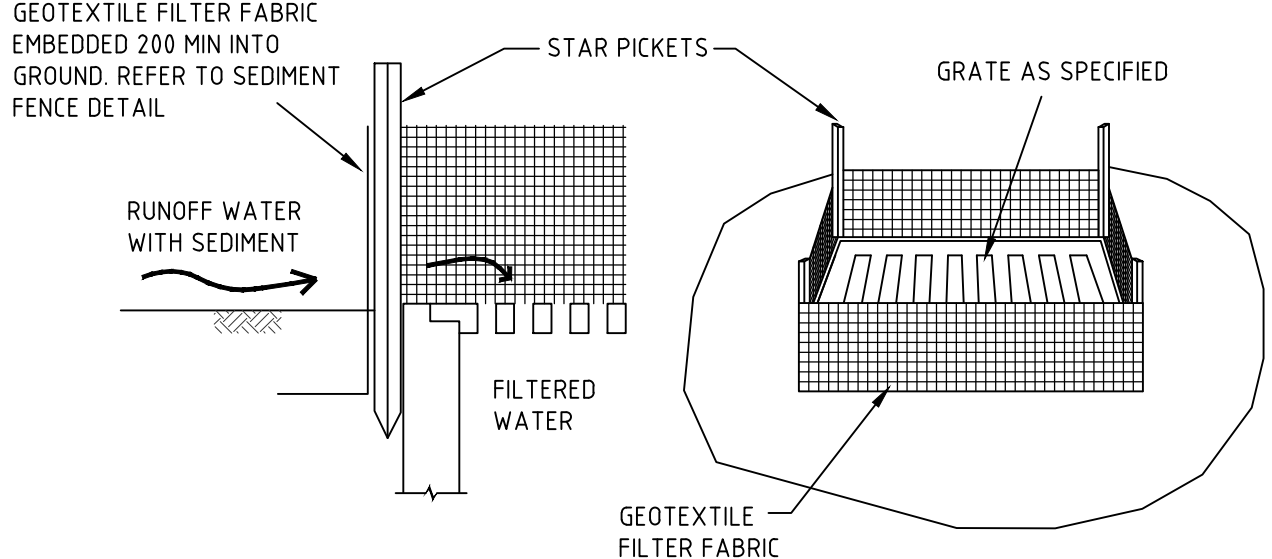
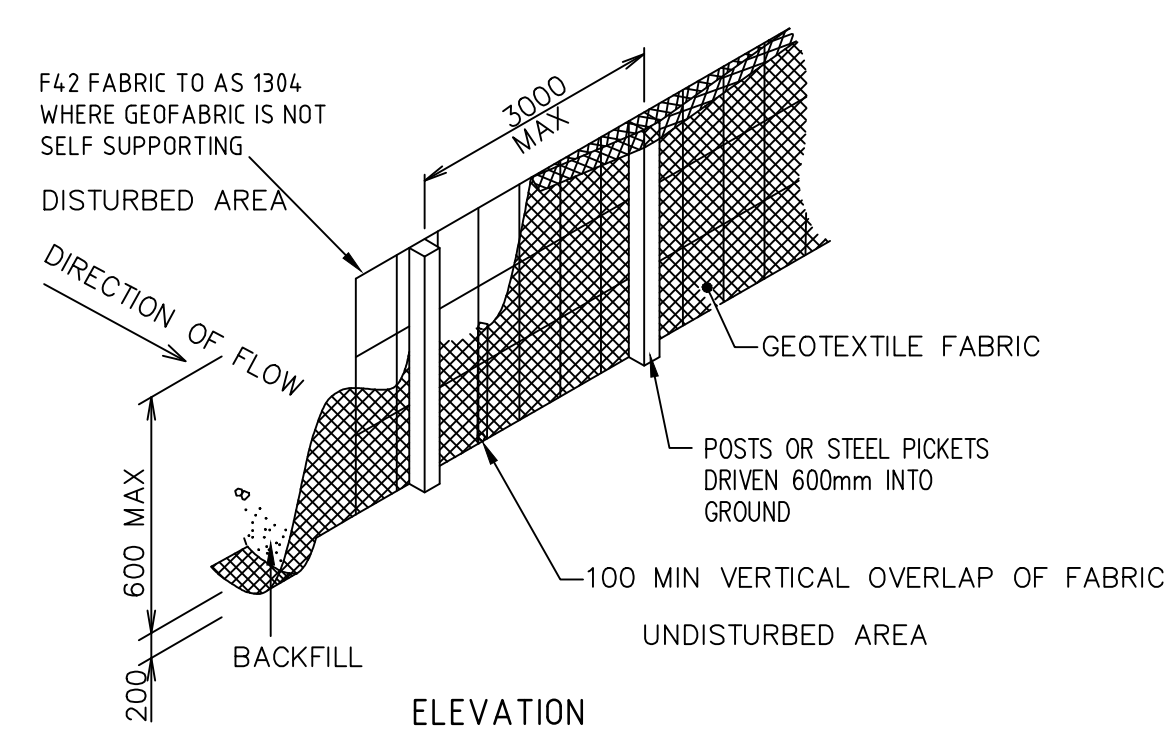
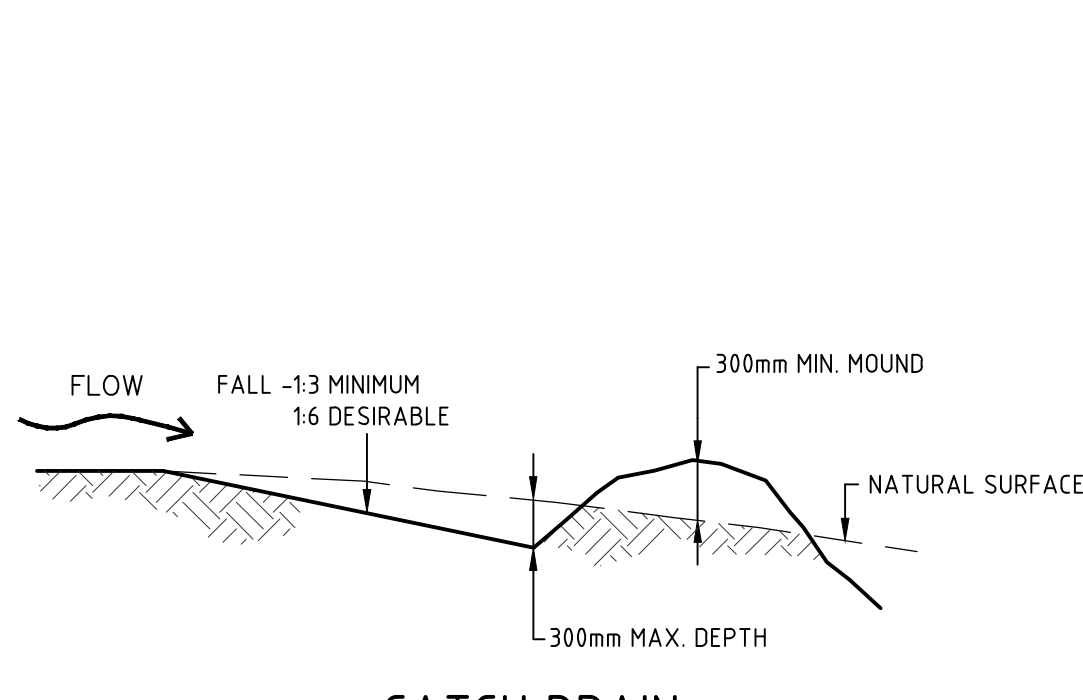
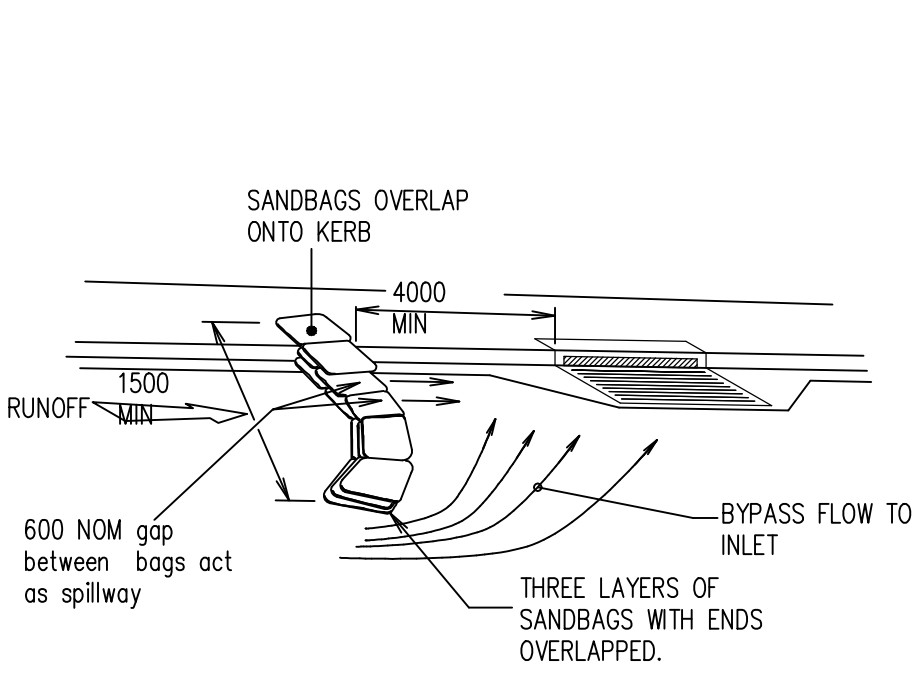
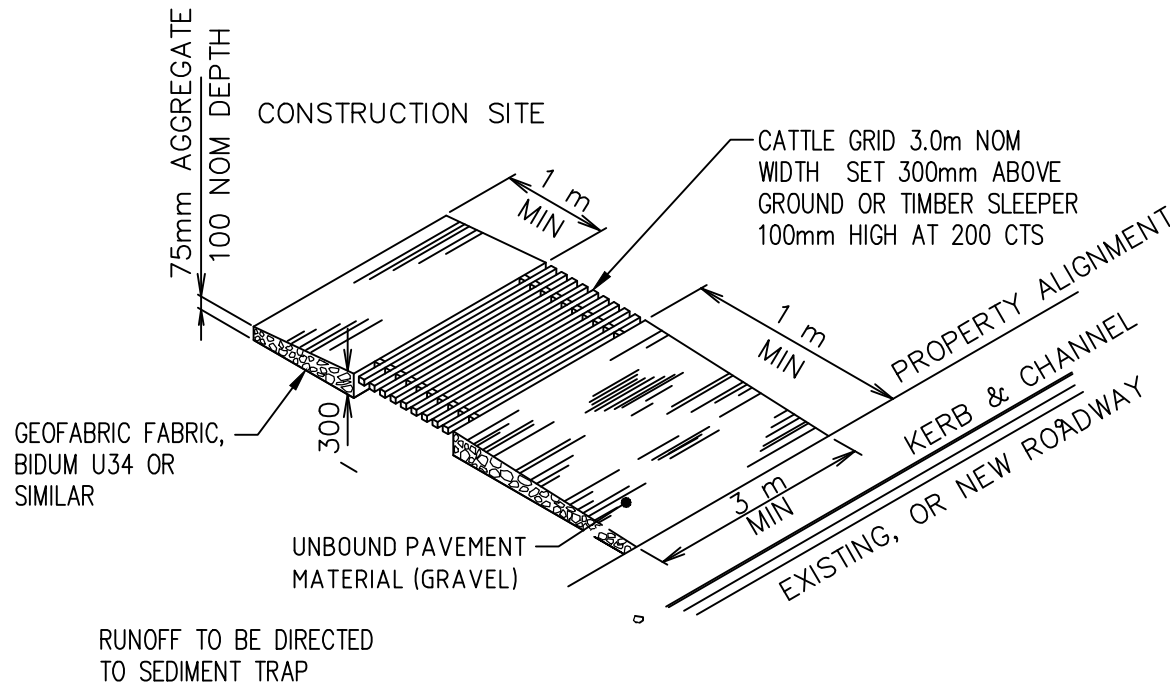
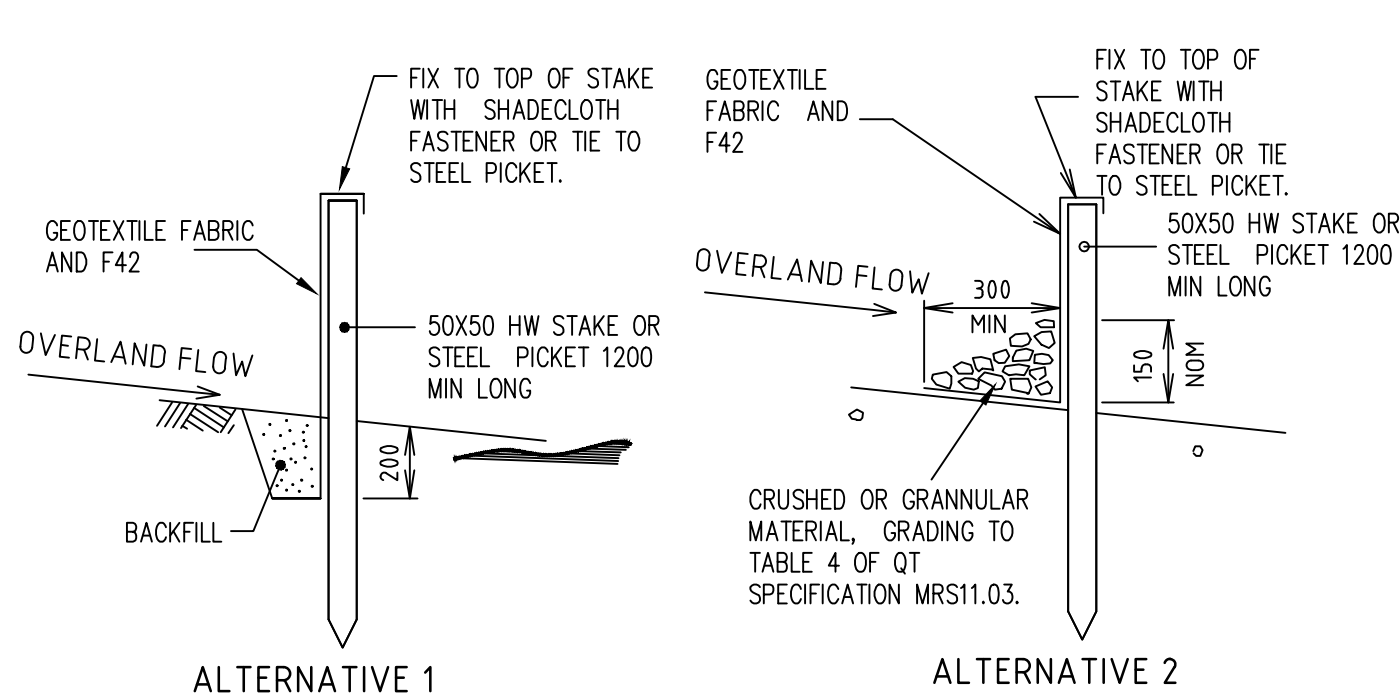
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Drawing Title	SEDIMENT AND EROSION CONTROL PLAN

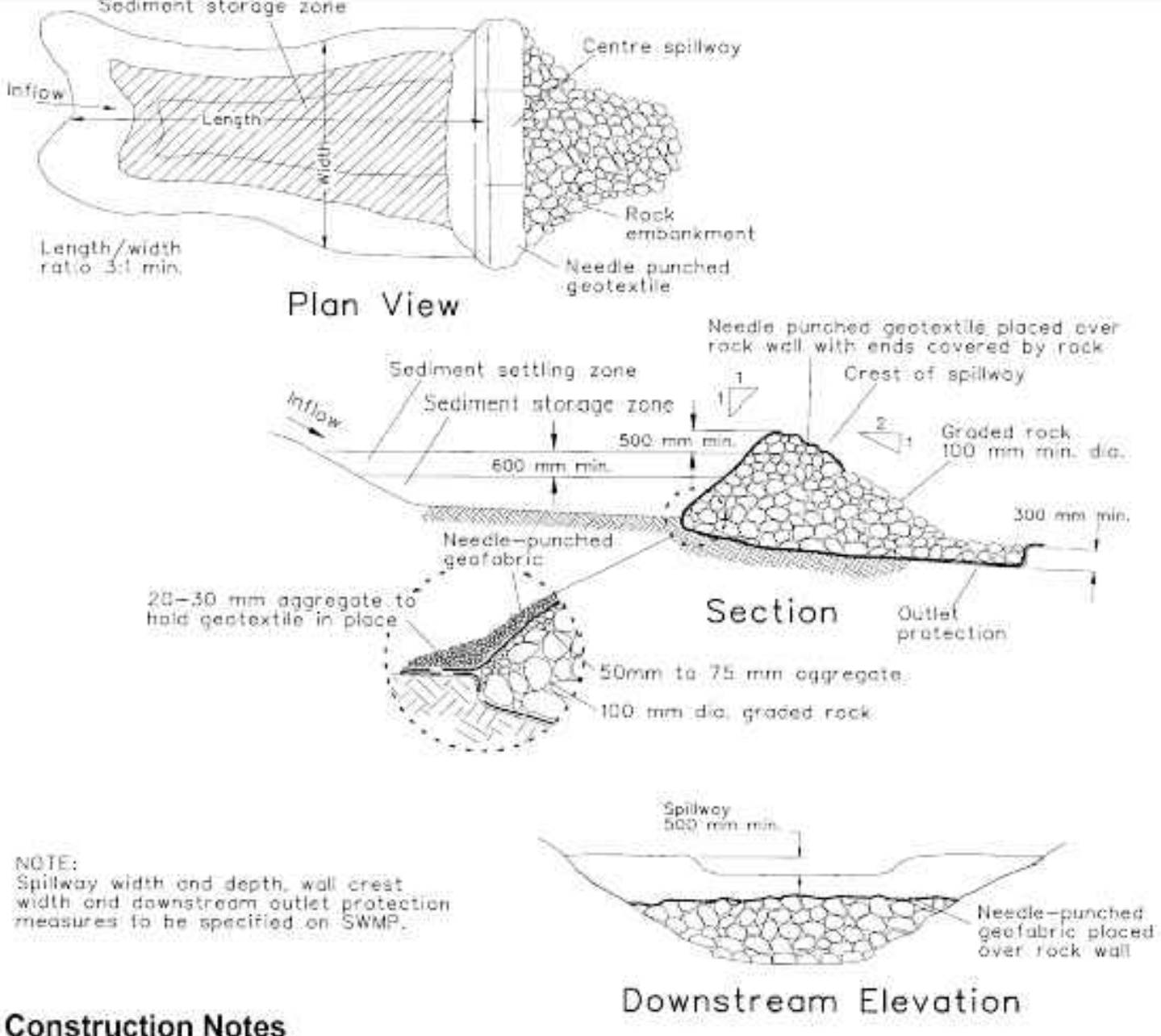
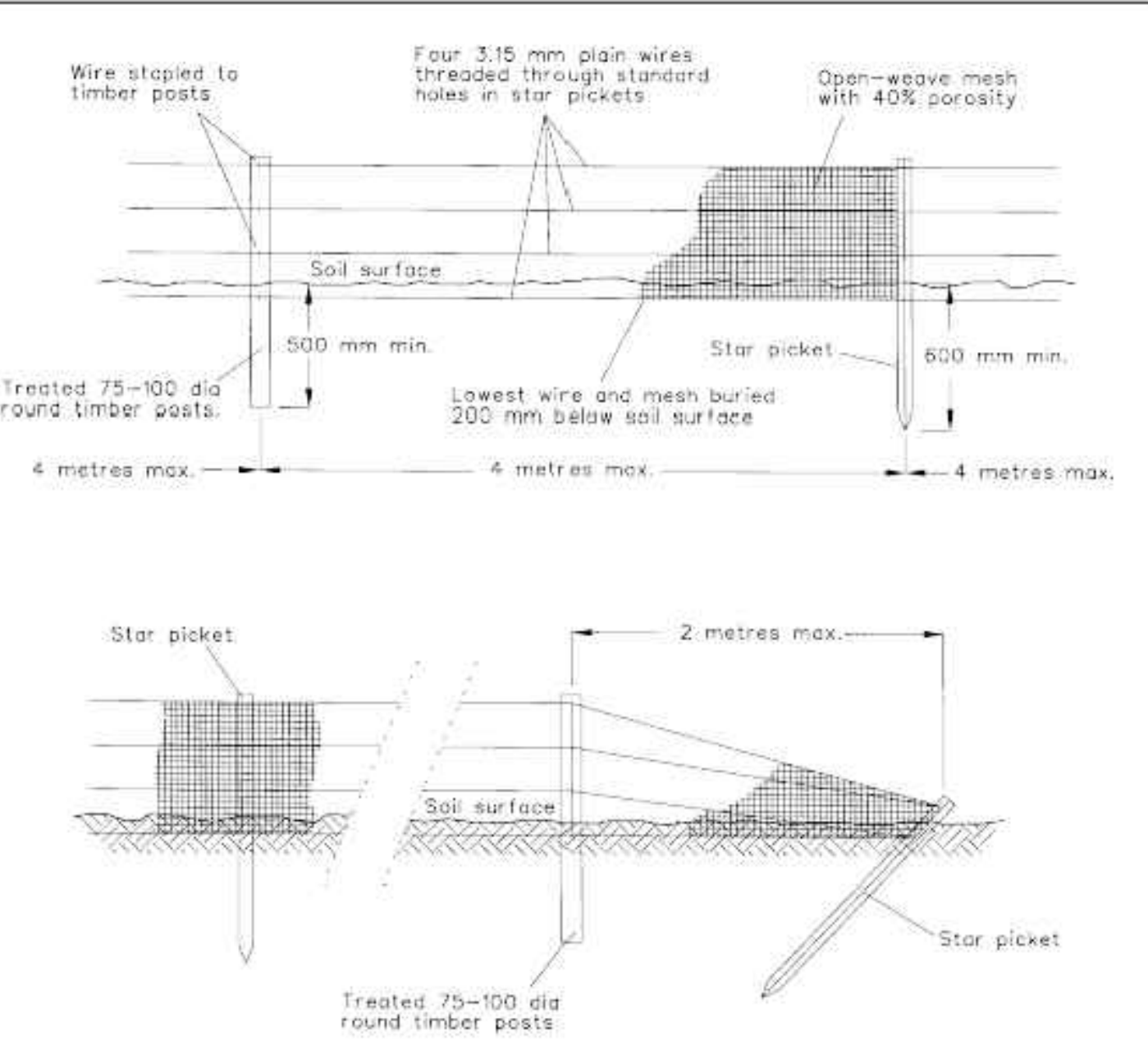
DESIGN DEVELOPMENT			
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North



- ALTERNATIVE SEDIMENT FENCE NOTES**
1. INSTALL THIS TYPE OF SEDIMENT FENCE WHEN USE OF SUPPORT POSTS IS NOT DESIRABLE OR NOT POSSIBLE. SUCH CONDITIONS MIGHT APPLY, FOR EXAMPLE, WHERE APPROVAL IS GRANTED FROM THE APPROPRIATE AUTHORITIES TO PLACE THESE FENCES IN HIGHLY SENSITIVE ESTUARINE AREAS.
 2. USE BENT TRENCH MESH TO SUPPORT THE F82 WELDED MESH FACING AS SHOWN ON THE DRAWING ABOVE. ATTACH THE JUTE MESH TO THE WELDED MESH FACING USING UV-RESISTANT CABLE TIES.
 3. STABILISE THE WHOLE STRUCTURE WITH SANDBAG OR ROCK ANCHORING OVER THE TRENCH MESH AND THE LEADING EDGE OF THE JUTE MESH. THE ANCHORING SHOULD BE SUFFICIENTLY LARGE TO ENSURE STABILITY OF THE STRUCTURE IN THE DESIGN STORM EVENT, USUALLY THE 10 YEAR EVENT.



- Construction Notes**
1. Install the fence to the height specified in the ESCP/SWMP.
 2. Cut a channel 200 mm deep along the fence line.
 3. Place wire and light resistant, open-weave polymer mesh with 40 percent porosity on the prevailing wind side of fence.
 4. Fasten the mesh to all wires using ring fasteners at 100 mm to 150 mm intervals on top wire and 300 mm intervals on other wires.
 5. Use one 75-mm to 100-mm diameter treated round timber post every 20 metres.
 6. Where star pickets are used, ensure they are fitted with safety caps.

- Construction Notes**
1. Remove all vegetation and topsoil from under the dam wall and from within the storage area.
 2. Excavate to 300 mm depth for base of the dam wall.
 3. Line the excavation with a needle-punched geotextile allowing sufficient to line below the wall, and over the upstream rock and the spillway to 500 mm below the spillway exit on the downstream face.
 4. Make up the wall profile and outlet protection with 100 mm (min.) diameter graded rock. Spread a layer of 50 mm to 75 mm diameter aggregate over the upstream batter for a more even surface, and add 100 mm to 150 mm of 20 mm to 30 mm gravel over the 50 mm to 75 mm diameter aggregate.
 5. Lay geotextile over the upstream batter and through the spillway, fixing in place with 100 mm rock.
 6. Place a "Full of Sediment" marker to show when less than design capacity occurs and sediment removal is required.
 7. Replace the upstream geotextile layer each time sediment is removed.

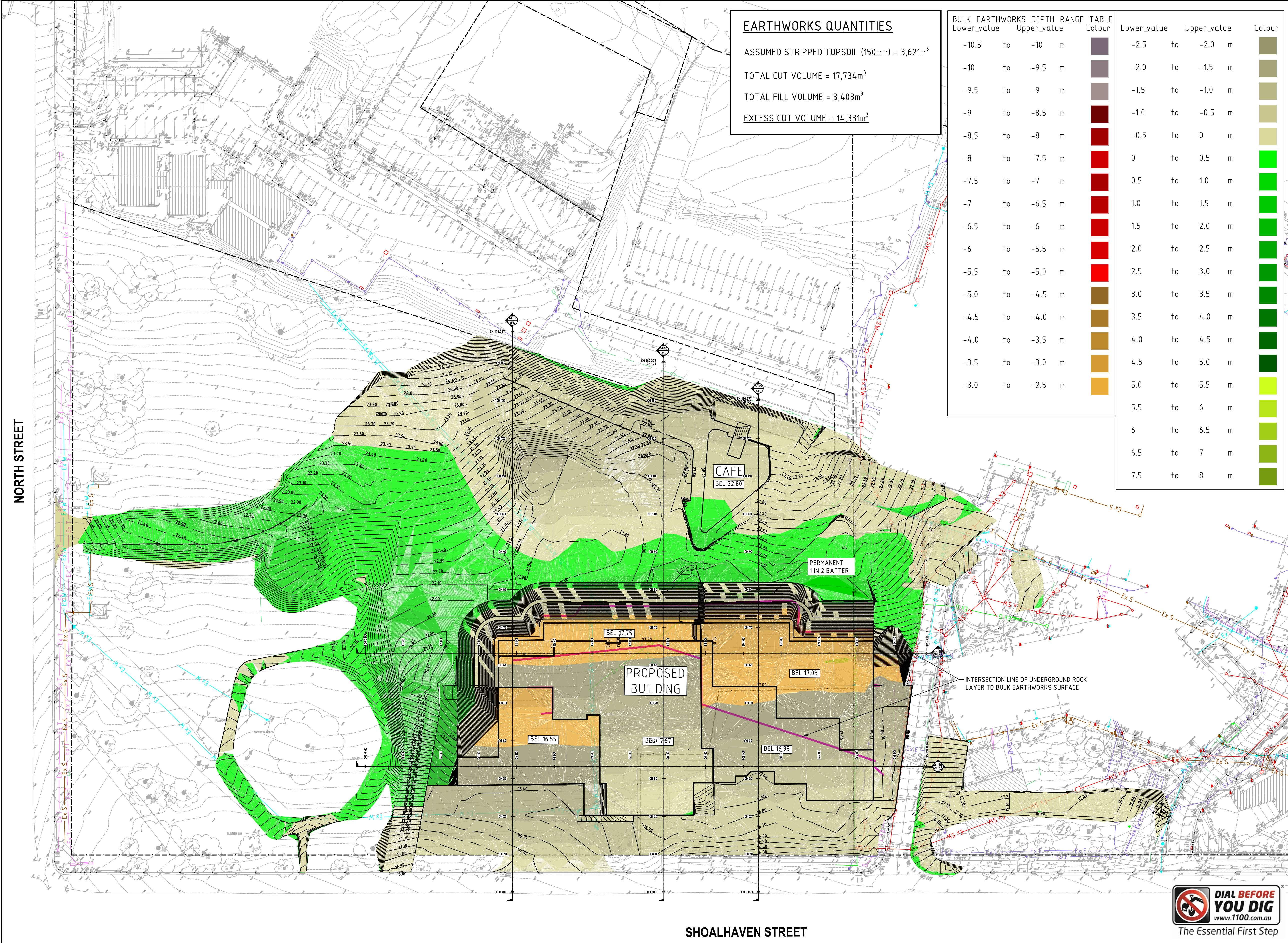
CONTROL OF WIND EROSION SD 6-15

ROCK SEDIMENT BASIN SD 6-1

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Rev	Description	Date	By App
A	ISSUED FOR TENDR	21.07.22	DH

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EARTHWORKS QUANTITIES

ASSUMED STRIPPED TOPSOIL (150mm) = 3,621m³

TOTAL CUT VOLUME = 17,734m³

TOTAL FILL VOLUME = 3,403m³

EXCESS CUT VOLUME = 14,331m³

BULK EARTHWORKS DEPTH RANGE				TABLE	Lower_value				Upper_value	Colour
Lower_value		Upper_value		Colour	Lower_value		Upper_value		Colour	
-10.5	to	-10	m		-2.5	to	-2.0	m		
-10	to	-9.5	m		-2.0	to	-1.5	m		
-9.5	to	-9	m		-1.5	to	-1.0	m		
-9	to	-8.5	m		-1.0	to	-0.5	m		
-8.5	to	-8	m		-0.5	to	0	m		
-8	to	-7.5	m		0	to	0.5	m		
-7.5	to	-7	m		0.5	to	1.0	m		
-7	to	-6.5	m		1.0	to	1.5	m		
-6.5	to	-6	m		1.5	to	2.0	m		
-6	to	-5.5	m		2.0	to	2.5	m		
-5.5	to	-5.0	m		2.5	to	3.0	m		
-5.0	to	-4.5	m		3.0	to	3.5	m		
-4.5	to	-4.0	m		3.5	to	4.0	m		
-4.0	to	-3.5	m		4.0	to	4.5	m		
-3.5	to	-3.0	m		4.5	to	5.0	m		
-3.0	to	-2.5	m		5.0	to	5.5	m		
					5.5	to	6	m		
					6	to	6.5	m		
					6.5	to	7	m		
					7.5	to	8	m		

- SURVEY LEGEND**
- SITE BOUNDARY
 - - - EX SURFACE LEVEL
 - - - EX SURFACE CONTOUR
 - ⊗ EX TREE
 - Ex SW --- EXISTING STORMWATER DRAINAGE LINE
 - Ex S --- EXISTING SEWER LINE
 - Ex W --- EXISTING WATER MAIN
 - Ex G --- EXISTING GAS LINE
 - Ex T --- EXISTING TELECOMMUNICATIONS LINE
 - Ex E --- EXISTING ELECTRICAL LINE
 - EXISTING UNKNOWN SERVICE
 - ✕ Ex E ✕ EXISTING SERVICE TO BE MADE REDUNDANT
- EARTHWORKS LEGEND**
- 32.00 --- BULK EARTHWORKS SURFACE CONTOUR
 - 16.00 --- UNDERGROUND ROCK LAYER CONTOUR
 - BEL 34.00 BULK EXCAVATION LEVEL
 - RETAINING WALL

- EXCAVATION NOTES**
- E1 VOLUMES ARE APPROXIMATE ONLY AND DO NOT INCORPORATE BULKING FACTORS AND OVER EXCAVATION. VOLUMES HAVE BEEN CALCULATED BETWEEN 150mm STRIPPED SURFACE LEVELS AND BULK EARTHWORKS SURFACE OR AS NOTED IN GEOTECHNICAL REPORT.
 - E2 GROUND WATER SEEPAGE MAY OCCUR IN EXCAVATED AREAS. DE-WATERING MAY BE REQUIRED IN THIS INSTANCE.
 - E3 THIS DRAWING ONLY DETAILS EXCAVATION ASSOCIATED WITH THE BUILDING SLAB (IGNORING STRUCTURAL FOOTINGS, BEAMS AND COLUMNS). IN ADDITION TO MAKING NO ALLOWANCE FOR TRENCH BACKFILL, TREE ROOTBALLS OR DETAILED EXCAVATION.
 - E4 PROVIDE TEMPORARY MAXIMUM 1 IN 2 BATTERS U.N.O. GEOTECH TO CONFIRM BATTER ACCEPTABILITY DURING CONSTRUCTION.
 - E5 THE EXCAVATED MATERIAL IS TO BE TEMPORARILY STOCKPILED WITHIN THE LANDSCAPED AREAS (TO BE CONFIRMED ON-SITE) AND RE-USED USING VALIDATED MATERIALS AS LANDSCAPING SOIL BUILD-UP/BACKFILL IN ACCORDANCE WITH LANDSCAPE ARCHITECTS SPECIFICATIONS.
 - E6 REFER TO ARBORIST REPORT FOR TREE PROTECTION MEASURES IF REQUIRED.
 - E7 300mm BULK EARTHWORKS DEPTHS HAVE BEEN CONSIDERED FOR BUILDING AREA.
 - E8 GRASSED AREAS HAVE BULK EARTHWORKS DEPTH OF 300mm FROM PROPOSED SURFACE LEVELS.

WARNING

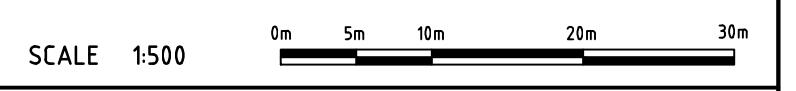
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.

ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.



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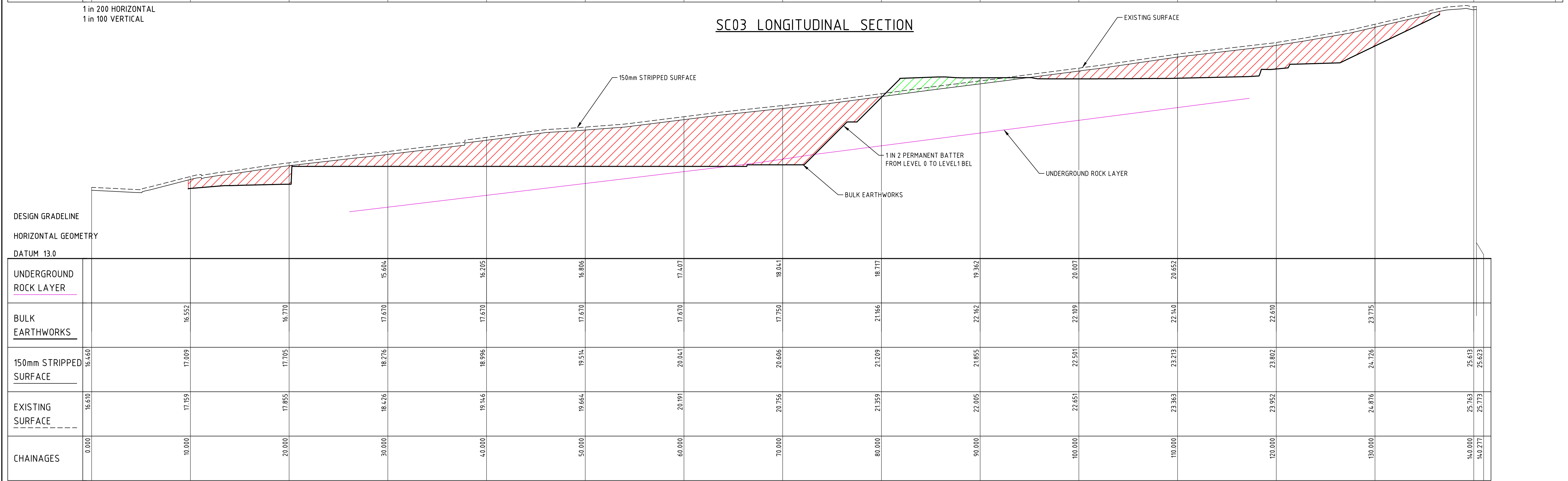
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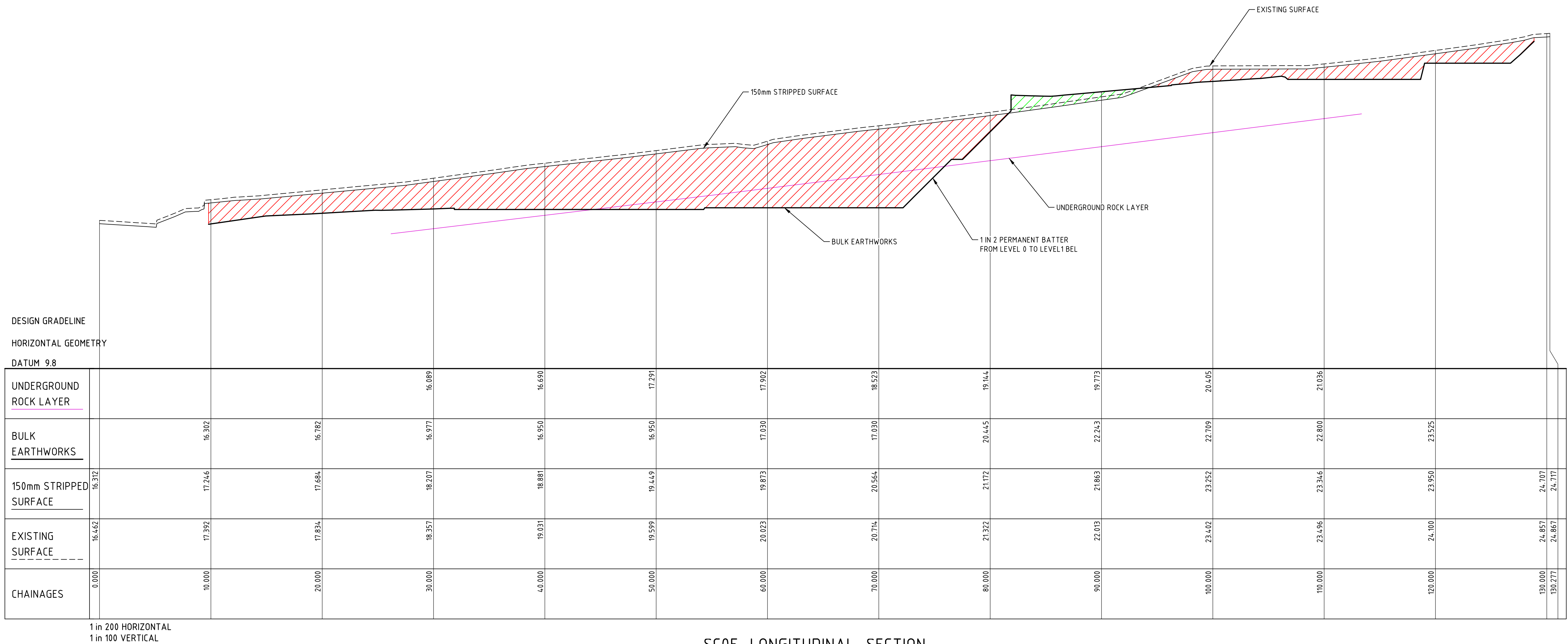
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SDMH SHOALHAVEN DISTRICT
MEMORIAL HOSPITAL -
SCENIC DR, NOWRA NSW 2541

Drawing Title
BULK EARTHWORKS
DETAIL PLAN

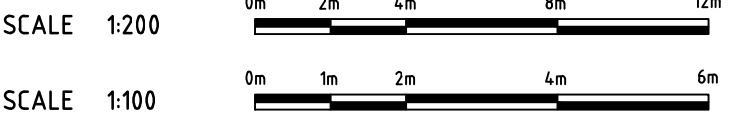
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Designed	GK	Approved	Date
Drawn	DH		
Scale	1:500	Project Ref	Drawing No
Date	FEB. 22		Rev
Sheet	A1	ASB-DD-DRG-CV-010	A



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A11 By: Lyn Barnett



SC05 LONGITUDINAL SECTION



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Rev Description Date By App

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Drawing Title
BULK EARTHWORKS
LONGITUDINAL SECTIONS
- SHEET 3

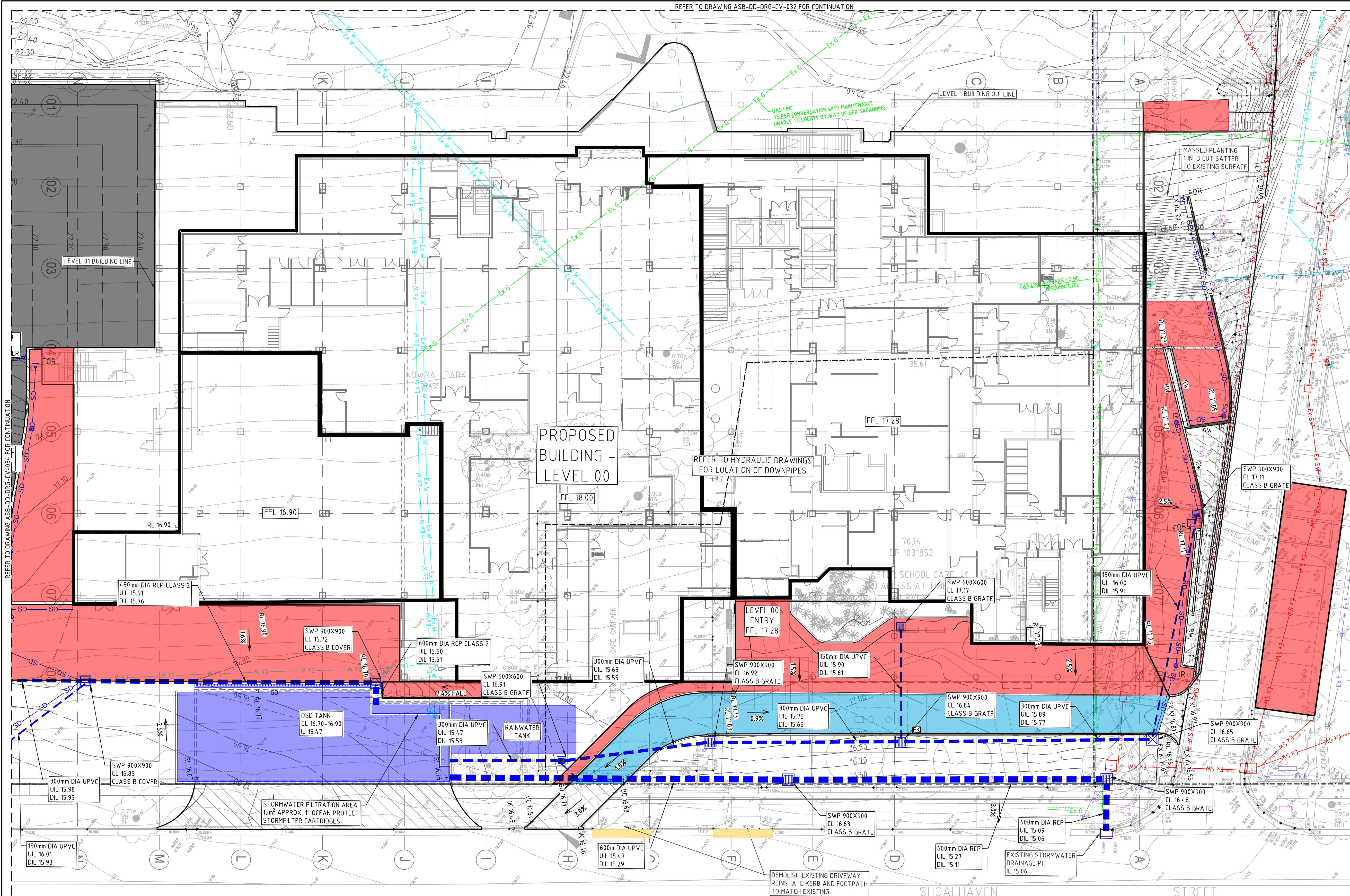
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Designed GK
Drawn DH
Scale AS SHOWN
Date FEB. 22
Sheet A1

Approved
Date
Project Ref
Drawing No
Rev

North

ASB-DD-DRG-CV-017 A



- SURVEY LEGEND**
- SITE BOUNDARY
 - EX SURFACE LEVEL
 - EX SURFACE CONTOUR
 - EX TREE
 - Ex SW — EXISTING STORMWATER DRAINAGE LINE
 - Ex S — EXISTING SEWER LINE
 - Ex W — EXISTING WATER MAIN
 - Ex G — EXISTING GAS LINE
 - Ex T — EXISTING TELECOMMUNICATIONS LINE
 - Ex E — EXISTING ELECTRICAL LINE
 - EXISTING UNKNOWN SERVICE
 - X — Ex E — X — EXISTING SERVICE TO BE MADE REDUNDANT
- SITWORKS LEGEND**
- 32.00 — FINISHED SURFACE CONTOUR
 - PROPOSED RETAINING WALL OR TALL KERB
 - RL 7.25 — FINISHED SURFACE LEVEL
 - KL 7.25 KB 7.25 KI 7.25 KT 7.25 — KERB LEVELS (KERB LIP, KERB BACK, KERB INVERT & KERB TOP)
 - BOW 7.25 TOW 7.25 — WALL LEVELS (TOP/BOTTOM OF WALL)
- DRAINAGE LEGEND**
- SURFACE INLET PIT
 - JUNCTION PIT
 - KERB INLET PIT
 - RAIN WATER STORAGE
 - STORMWATER DRAINAGE LINE
 - GD — GRATED DRAIN
 - Ex SW — EXISTING STORMWATER TO REMAIN
 - X — Ex SW — X — EXISTING STORMWATER TO BE MADE REDUNDANT
 - Ex SW — EXISTING STORMWATER TO REMAIN
 - OVERLAND FLOW
 - DP — DOWNPIPE AND CONNECTION LINE (REFER TO HYDRAULIC DRAWINGS FOR DETAILS)
 - FOR — FLUSHOUT RISER (max 30m CTRS) WITH SUBSOIL DRAINAGE (100Ø UPVC SLOTTED PIPE UN-SOCKED)

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE.

ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.



SCALE 1:200 0m 2m 4m 8m 12m

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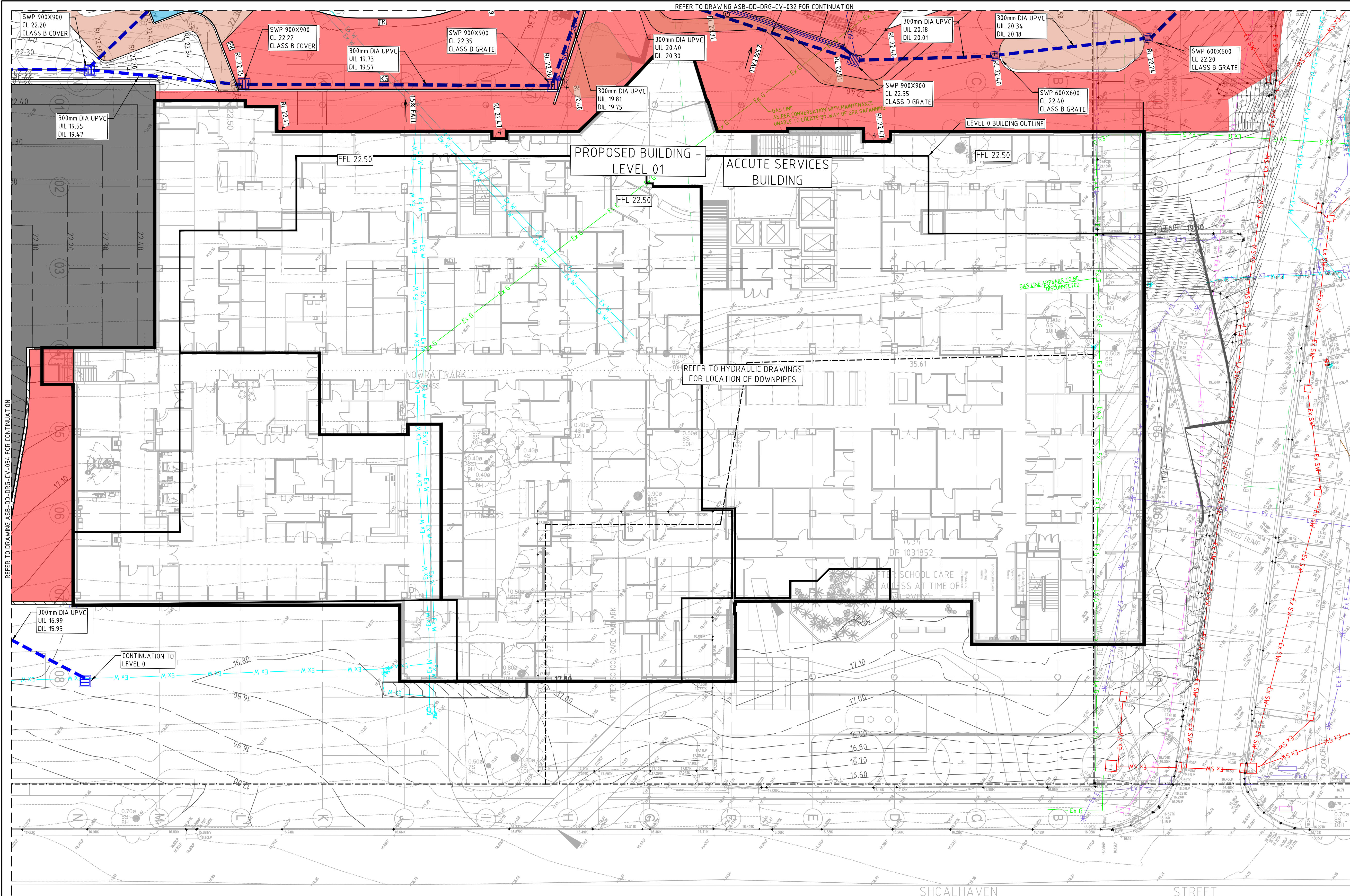
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Project Name
SDMH SHOALHAVEN DISTRICT
MEMORIAL HOSPITAL -
SCENIC DR, NOWRA NSW 2541

Drawing Title
SITWORKS AND STORMWATER
DRAINAGE PLAN - SHEET 1
LEVEL 0

DESIGN DEVELOPMENT		Date	North
Designed	GK		
Drawn	DH		
Scale	1:200		
Date	FEB. 22		
Sheet	A1		



SURVEY LEGEND

- SITE BOUNDARY
- EX SURFACE LEVEL
- EX SURFACE CONTOUR
- ⊗ EX TREE
- Ex SW — EXISTING STORMWATER DRAINAGE LINE
- Ex S — EXISTING SEWER LINE
- Ex W — EXISTING WATER MAIN
- Ex G — EXISTING GAS LINE
- Ex T — EXISTING TELECOMMUNICATIONS LINE
- Ex E — EXISTING ELECTRICAL LINE
- EXISTING UNKNOWN SERVICE
- ✕ Ex E ✕ EXISTING SERVICE TO BE MADE REDUNDANT

SITEWORKS LEGEND

- 32.00 — FINISHED SURFACE CONTOUR OR TALL KERB
- RL 7.25 — FINISHED SURFACE LEVEL
- KL 7.25 KB 7.25 KI 7.25 KERB LEVELS (KERB LIP, KERB BACK, KERB INVERT)
- BOW 7.25 TOW 7.25 WALL LEVELS (TOP/BOTTOM OF WALL)

DRAINAGE LEGEND

- ⊞ SURFACE INLET PIT
- ⊞ JUNCTION PIT
- ⊞ KERB INLET PIT
- ⊞ RAIN WATER STORAGE
- — STORMWATER DRAINAGE LINE
- GD GRATED DRAIN
- Ex SW — EXISTING STORMWATER TO REMAIN
- ✕ Ex SW ✕ EXISTING STORMWATER TO BE MADE REDUNDANT
- Ex SW — EXISTING STORMWATER TO REMAIN
- ➡ OVERLAND FLOW
- DP — DOWNPIPE AND CONNECTION LINE (REFER TO HYDRAULIC DRAWINGS FOR DETAILS)
- FOR — SD — IR — FLUSHOUT RISER (max 30m CTRS) WITH SUBSOIL DRAINAGE (100Ø uPVC SLOTTED PIPE UN-SOCKED)

WARNING
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

WARNING
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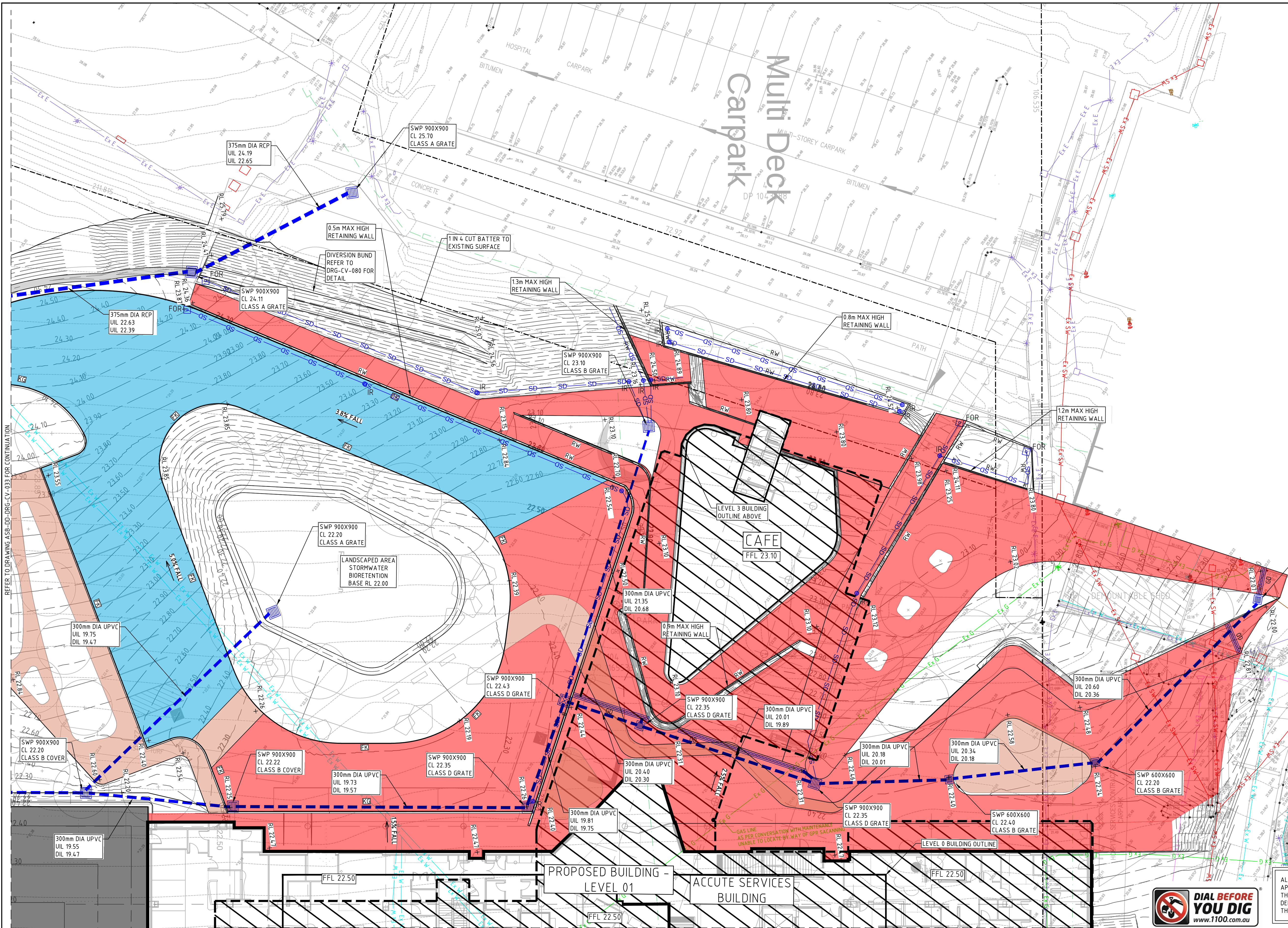


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SCALE 1:200 0m 2m 4m 8m 12m

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SURVEY LEGEND

- SITE BOUNDARY
- EX SURFACE LEVEL
- EX SURFACE CONTOUR
- EX TREE
- Ex SW — EXISTING STORMWATER DRAINAGE LINE
- Ex S — EXISTING SEWER LINE
- Ex W — EXISTING WATER MAIN
- Ex G — EXISTING GAS LINE
- Ex T — EXISTING TELECOMMUNICATIONS LINE
- Ex E — EXISTING ELECTRICAL LINE
- EXISTING UNKNOWN SERVICE
- X — EX E — EXISTING SERVICE TO BE MADE REDUNDANT

SITeworks LEGEND

- FINISHED SURFACE CONTOUR
- PROPOSED RETAINING WALL OR TALL KERB
- FINISHED SURFACE LEVEL
- KERB LEVELS (KERB LIP, KERB BACK, KERB INVERT)
- WALL LEVELS (TOP/BOTTOM OF WALL)
- LEVEL 3 BUILDING OUTLINE

DRAINAGE LEGEND

- SURFACE INLET PIT
- JUNCTION PIT
- KERB INLET PIT
- RAIN WATER STORAGE
- STORMWATER DRAINAGE LINE
- GRATED DRAIN
- EX SW — EXISTING STORMWATER TO REMAIN
- EX SW — EXISTING STORMWATER TO BE MADE REDUNDANT
- EX SW — EXISTING STORMWATER TO REMAIN
- OVERLAND FLOW
- DOWNPIPE AND CONNECTION LINE (REFER TO HYDRAULIC DRAWINGS FOR DETAILS)
- FLUSHOUT RISER (max 30m CTRS) WITH SUBSOIL DRAINAGE (100Ø UPVC SLOTTED PIPE UN-SOCKED)

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SCALE 1:200 0m 2m 4m 8m 12m

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Rev Description Date By App				
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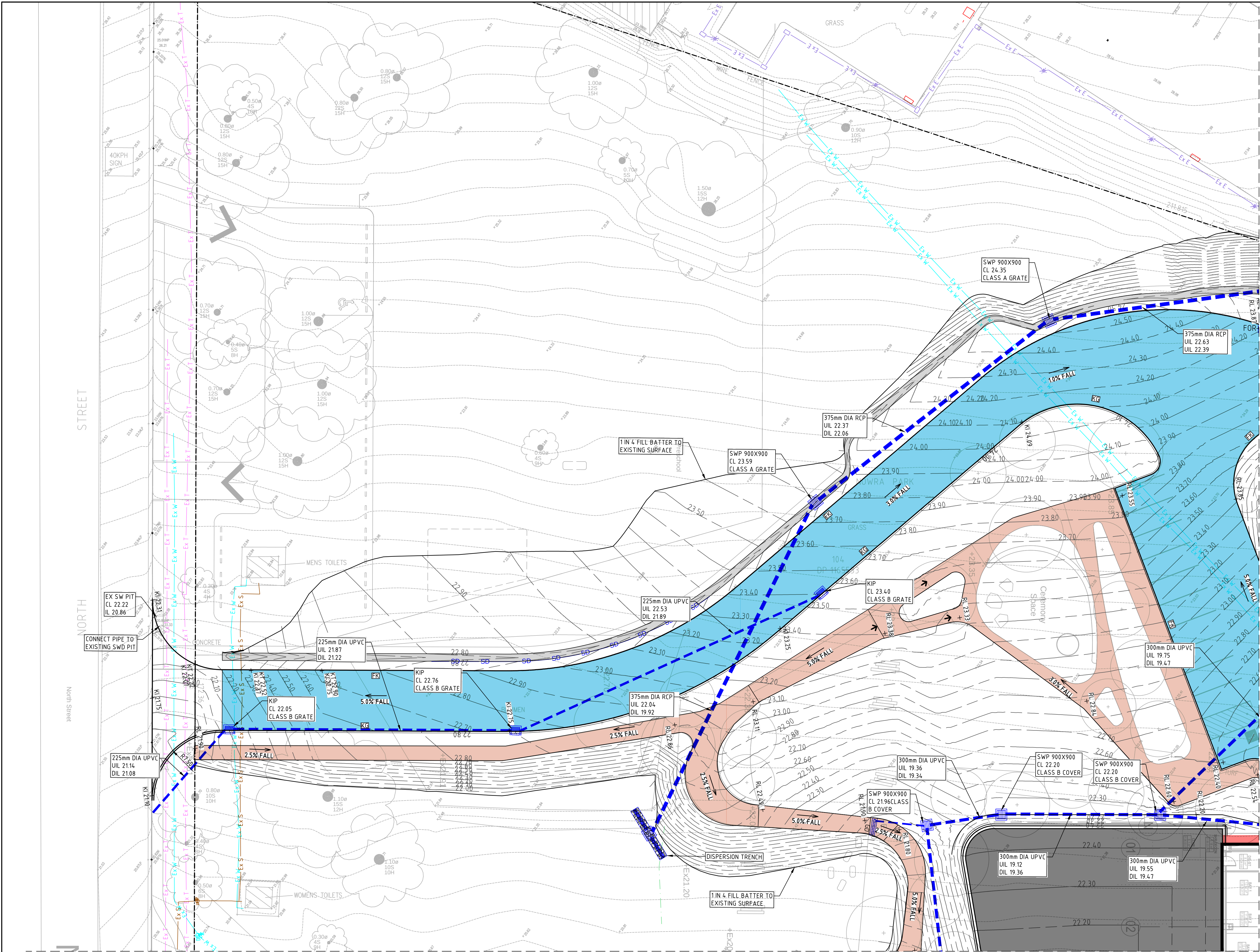
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SDMH SHOALHAVEN DISTRICT
MEMORIAL HOSPITAL -
SCENIC DR, NOWRA NSW 2541

Drawing Title
SITeworks AND STORMWATER
DRAINAGE PLAN - SHEET 3
CAR PARKING

DESIGN DEVELOPMENT

Designed	GK	Approved	Date	North
Drawn	DH			
Scale	1:200	Project Ref	Drawing No	Rev
Date	FEB 22			
Sheet	A1	ASB-DD-DRG-CV-032	A	

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Pn: By: Syn Depicta



SURVEY LEGEND

- SITE BOUNDARY
- EX SURFACE LEVEL
- EX SURFACE CONTOUR
- EX TREE
- Ex SW — EXISTING STORMWATER DRAINAGE LINE
- Ex S — EXISTING SEWER LINE
- Ex W — EXISTING WATER MAIN
- Ex G — EXISTING GAS LINE
- Ex T — EXISTING TELECOMMUNICATIONS LINE
- Ex E — EXISTING ELECTRICAL LINE
- EXISTING UNKNOWN SERVICE
- X Ex E X — EXISTING SERVICE TO BE MADE REDUNDANT

SITWORKS LEGEND

- FINISHED SURFACE CONTOUR
- PROPOSED RETAINING WALL OR TALL KERB
- RL 7.25 — FINISHED SURFACE LEVEL
- KL 7.25 KB 7.25 KI 7.25 — KERB LEVELS (KERB LIP, KERB BACK, KERB INVERT)
- BOW 7.25 TOW 7.25 — WALL LEVELS (TOP/BOTTOM OF WALL)

DRAINAGE LEGEND

- SURFACE INLET PIT
- JUNCTION PIT
- KERB INLET PIT
- RAIN WATER STORAGE
- STORMWATER DRAINAGE LINE
- GRATED DRAIN
- Ex SW — EXISTING STORMWATER TO REMAIN
- X Ex SW X — EXISTING STORMWATER TO BE MADE REDUNDANT
- Ex SW — EXISTING STORMWATER TO REMAIN
- OVERLAND FLOW
- DP — DOWNPIPE AND CONNECTION LINE (REFER TO HYDRAULIC DRAWINGS FOR DETAILS)
- FOR SD IR — FLUSHOUT RISER (max 30m CTRS) WITH SUBSOIL DRAINAGE (100Ø UPVC SLOTTED PIPE UN-SOCKED)



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SCALE 1:200 0m 2m 4m 8m 12m

REFER TO DRAWING ASB-DD-DRG-CV-034 FOR CONTINUATION

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Rev	Description	Date	By	App

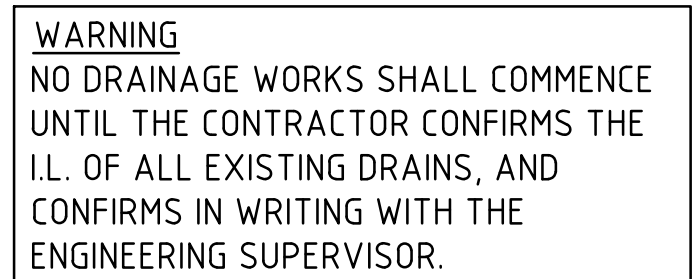


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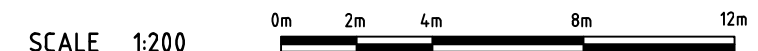
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SITWORKS AND STORMWATER
DRAINAGE PLAN - SHEET 4
ACCESS ROAD

DESIGN DEVELOPMENT				
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Drawn	DH			
Scale	1:200	Project Ref		Drawing No
Date	FEB. 22			Rev
Sheet	A1	ASB-DD-DRG-CV-033		A



WARNING
Beware of Underground Services
The locations of underground services shown are approximate only and their exact position should be proven on site.

ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.



The Essential First Step

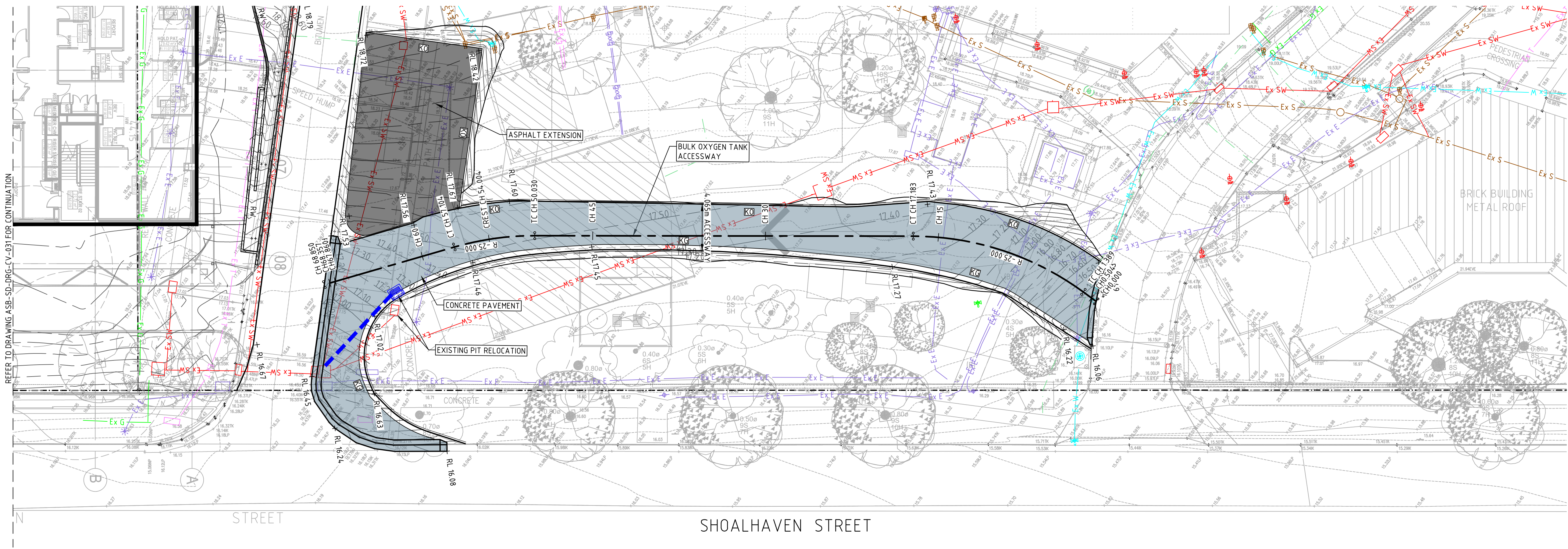
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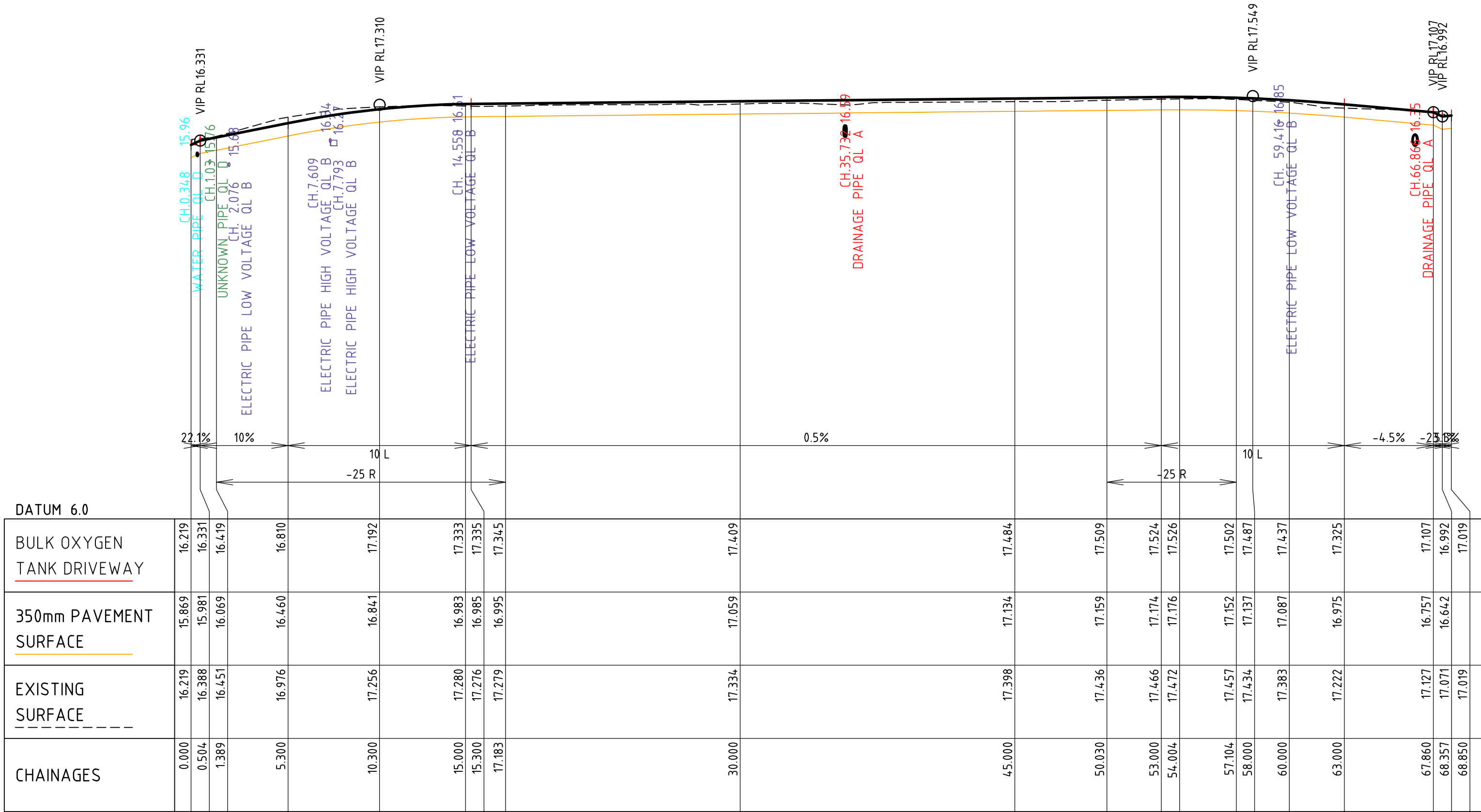
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Project Name	SDMH SHOALHAVEN DISTRICT MEMORIAL HOSPITAL - SCENIC DR, NOWRA NSW 2541
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DESIGN DEVELOPMENT			
	Assessment	Rate	Notes

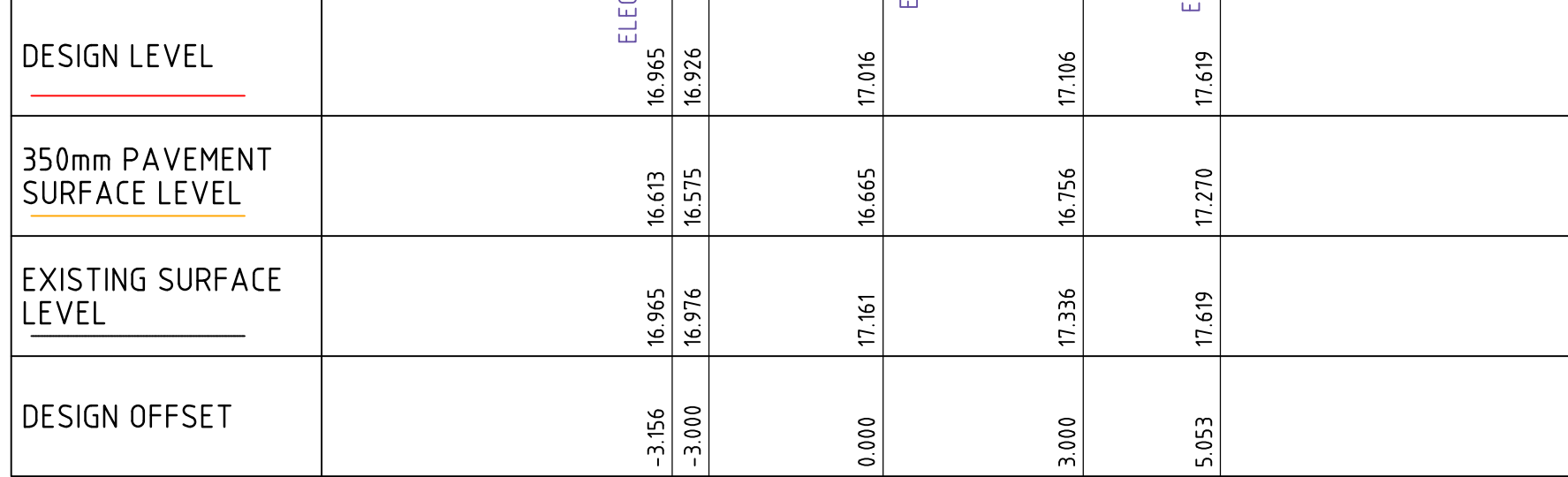


BULK OXYGEN TANK ACCESSWAY PLAN
SCALE 1: 200



BULK OXYGEN TANK ACCESSWAY OPT LONGITUDINAL SECTION

EASTING 280311587
NORTHING 6138846317
DATUM RL 13.000



BULK OXYGEN TANK ACCESSWAY OPT CROSS SECTION

- SURVEY LEGEND**
- SITE BOUNDARY
 - EX SURFACE LEVEL
 - EX SURFACE CONTOUR
 - EX TREE
 - Ex SW — EXISTING STORMWATER DRAINAGE LINE
 - Ex S — EXISTING SEWER LINE
 - Ex W — EXISTING WATER MAIN
 - Ex G — EXISTING GAS LINE
 - Ex T — EXISTING TELECOMMUNICATIONS LINE
 - Ex E — EXISTING ELECTRICAL LINE
 - EXISTING UNKNOWN SERVICE
 - X Ex E X — EXISTING SERVICE TO BE MADE REDUNDANT
- SITEWORKS LEGEND**
- 32.00 — FINISHED SURFACE CONTOUR
 - PROPOSED RETAINING WALL OR TALL KERB
 - RL 7.25 — FINISHED SURFACE LEVEL
 - KL 7.25 KB 7.25 KI 7.25 — KERB LEVELS (KERB LIP, KERB BACK, KERB INVERT)
 - BOW 7.25 TOW 7.25 — WALL LEVELS (TOP/BOTTOM OF WALL)
- DRAINAGE LEGEND**
- SURFACE INLET PIT
 - JUNCTION PIT
 - KERB INLET PIT
 - RAIN WATER STORAGE
 - STORMWATER DRAINAGE LINE
 - GD — GRATED DRAIN
 - Ex SW — EXISTING STORMWATER TO REMAIN
 - X Ex SW X — EXISTING STORMWATER TO BE MADE REDUNDANT
 - Ex SW — EXISTING STORMWATER TO REMAIN
 - OVERLAND FLOW
 - DP — DOWNPIPE AND CONNECTION LINE (REFER TO HYDRAULIC DRAWINGS FOR DETAILS)



WARNING
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SCALE 1:200

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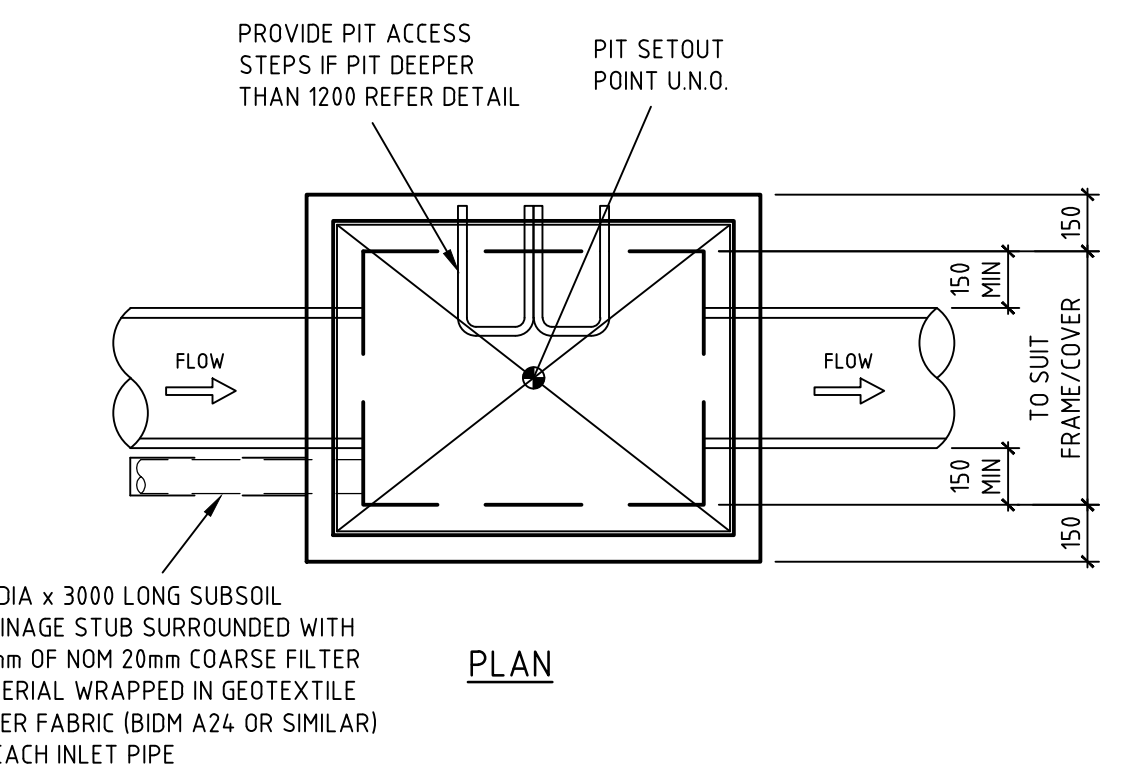
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SDMH SHOALHAVEN DISTRICT
MEMORIAL HOSPITAL -
SCENIC DR, NOWRA NSW 2541

Drawing Title
SITEWORKS AND STORMWATER
DRAINAGE PLAN - SHEET 6
BULK OXYGEN TANK ACCESS ROAD

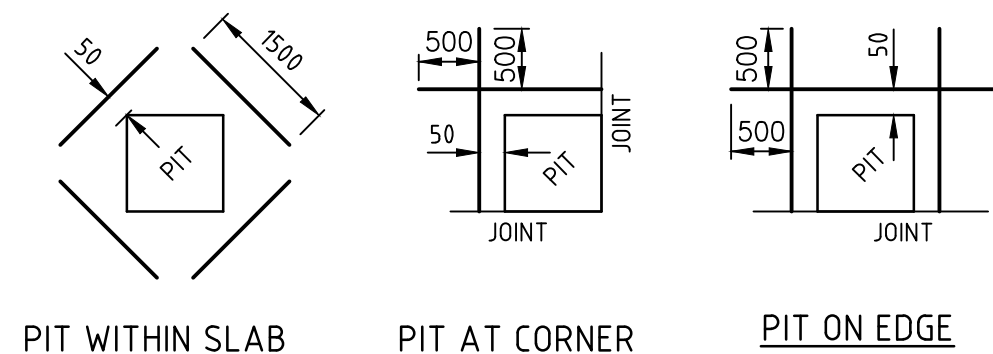
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Date	FEB. 22			
Sheet	A1			

Project Ref
ASB-DD-DRG-CV-035

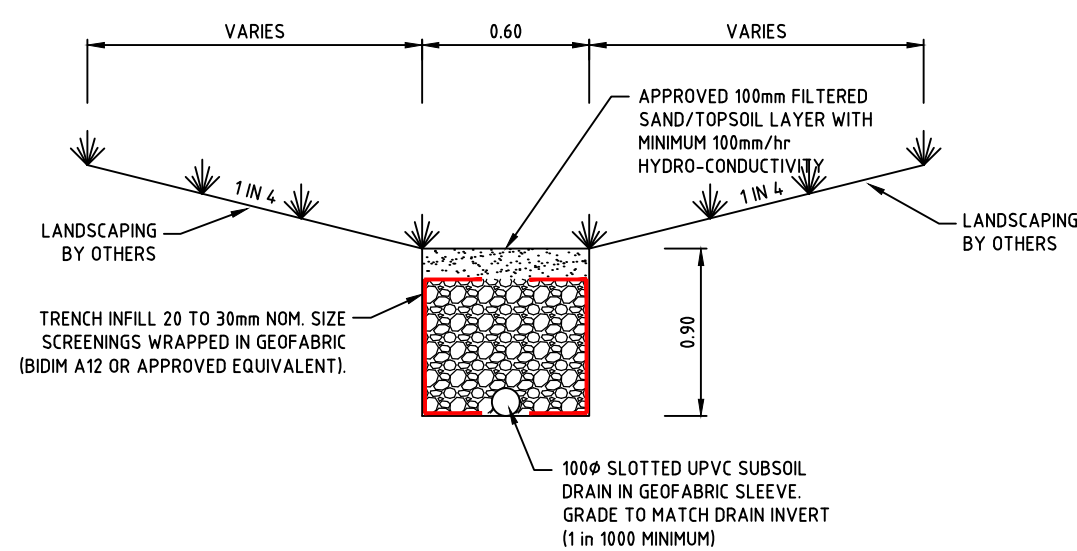
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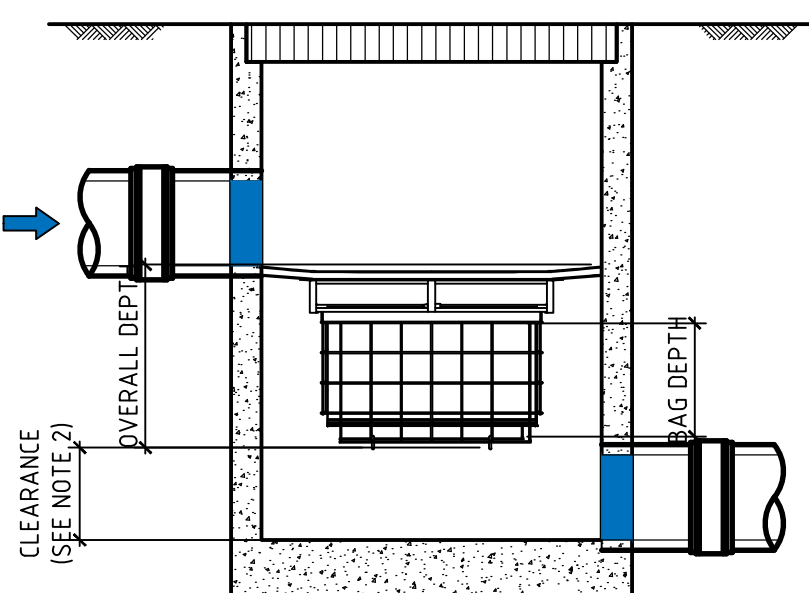
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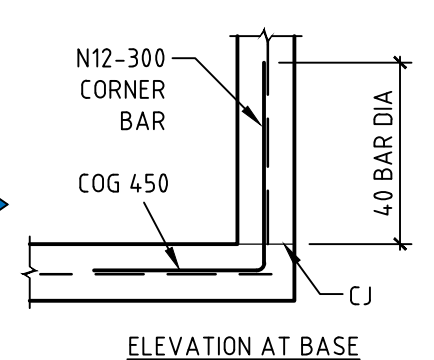
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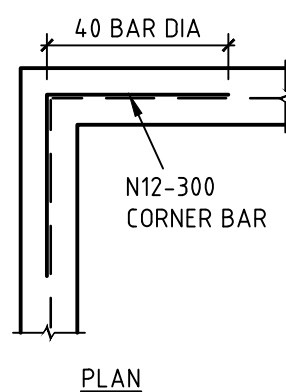
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NTS

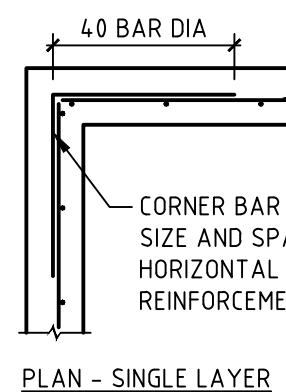


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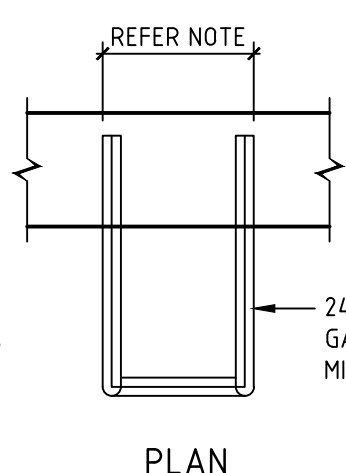
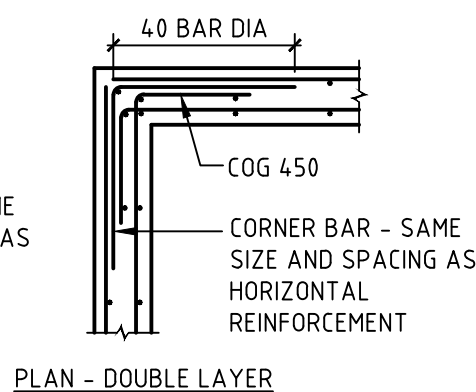


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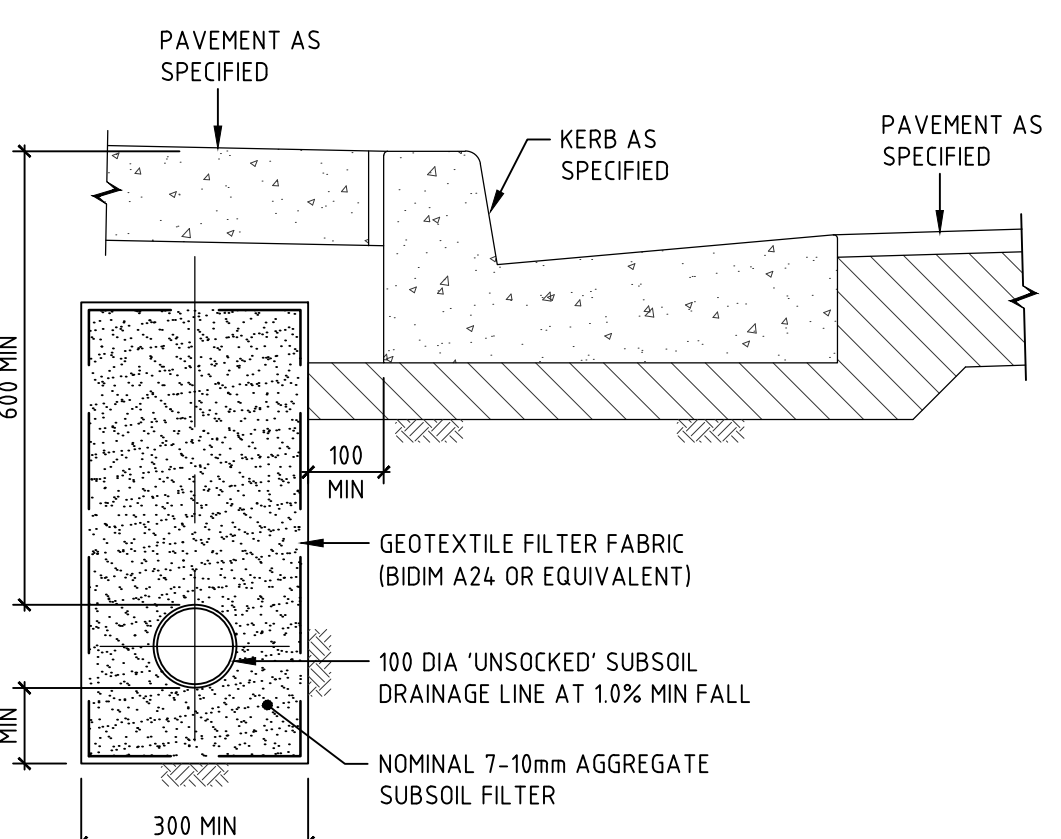
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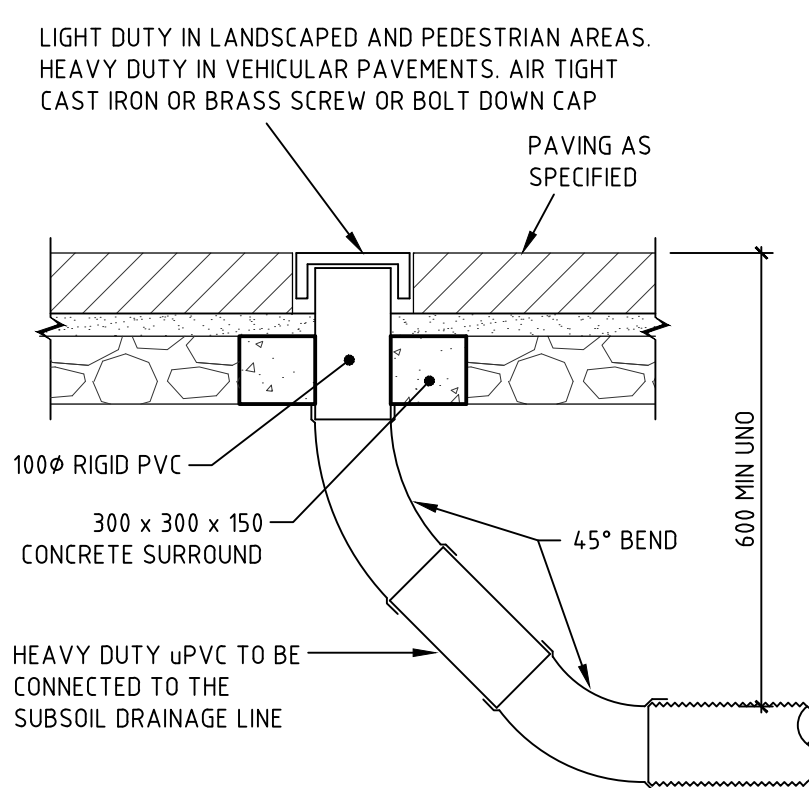
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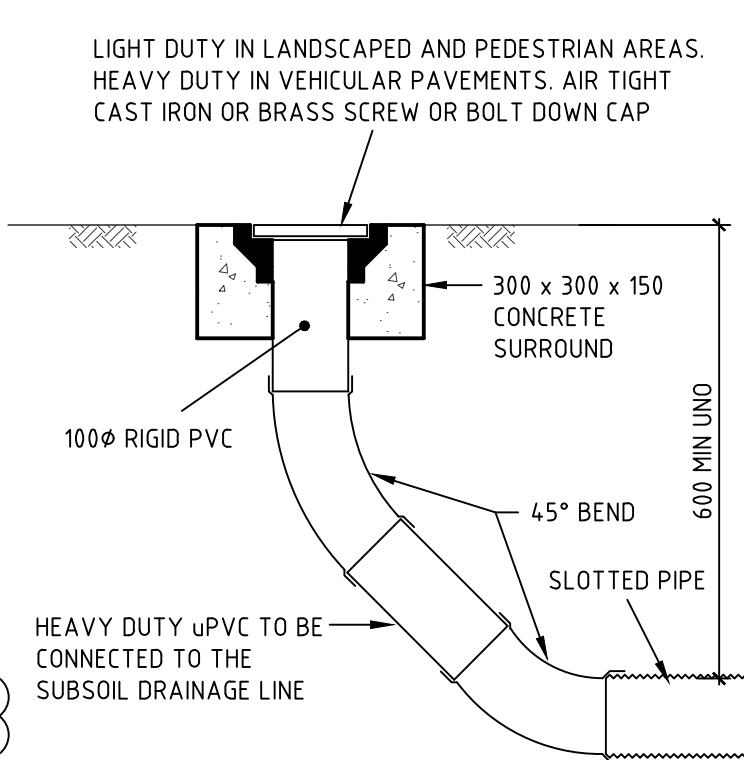
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SCALE 1:10

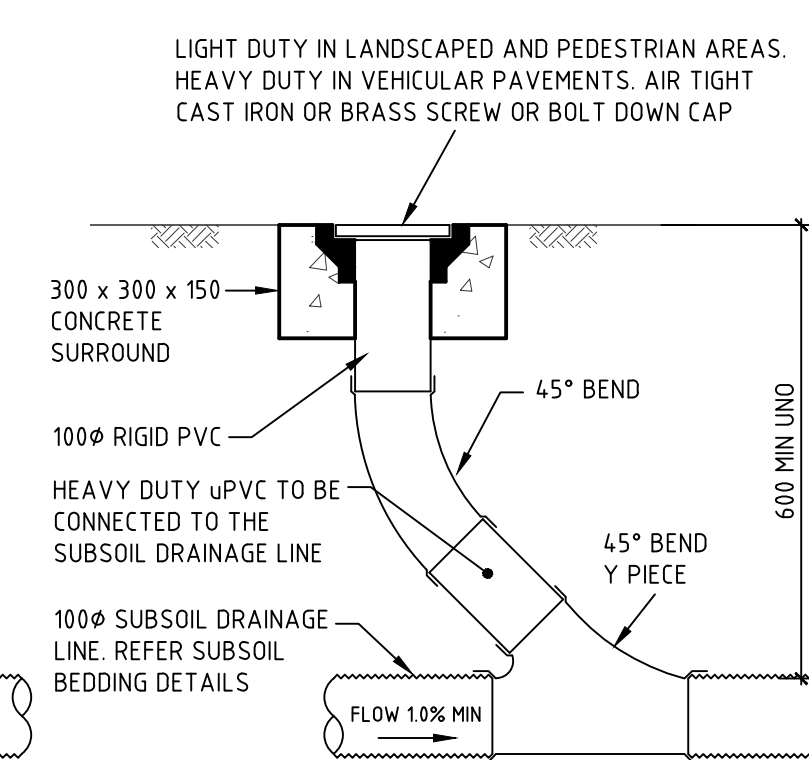


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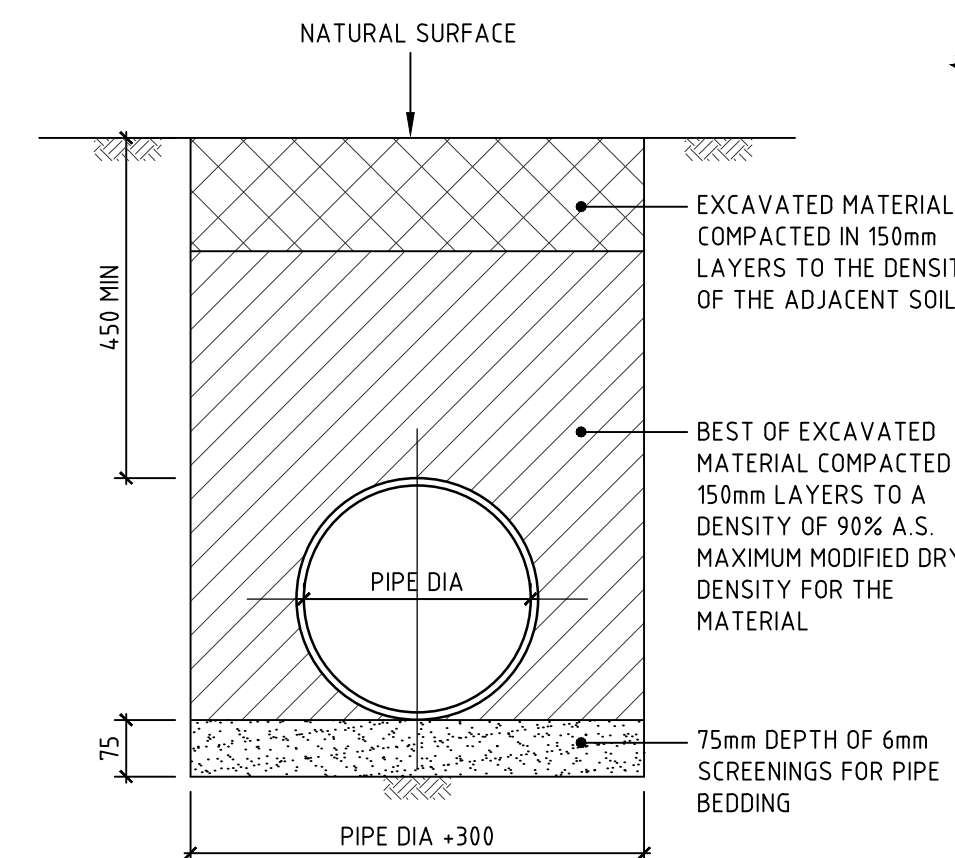
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NOTE: SLOTTED RIGID PVC PIPE
AND FITTINGS WITHIN
DRAINAGE LAYER ONLY

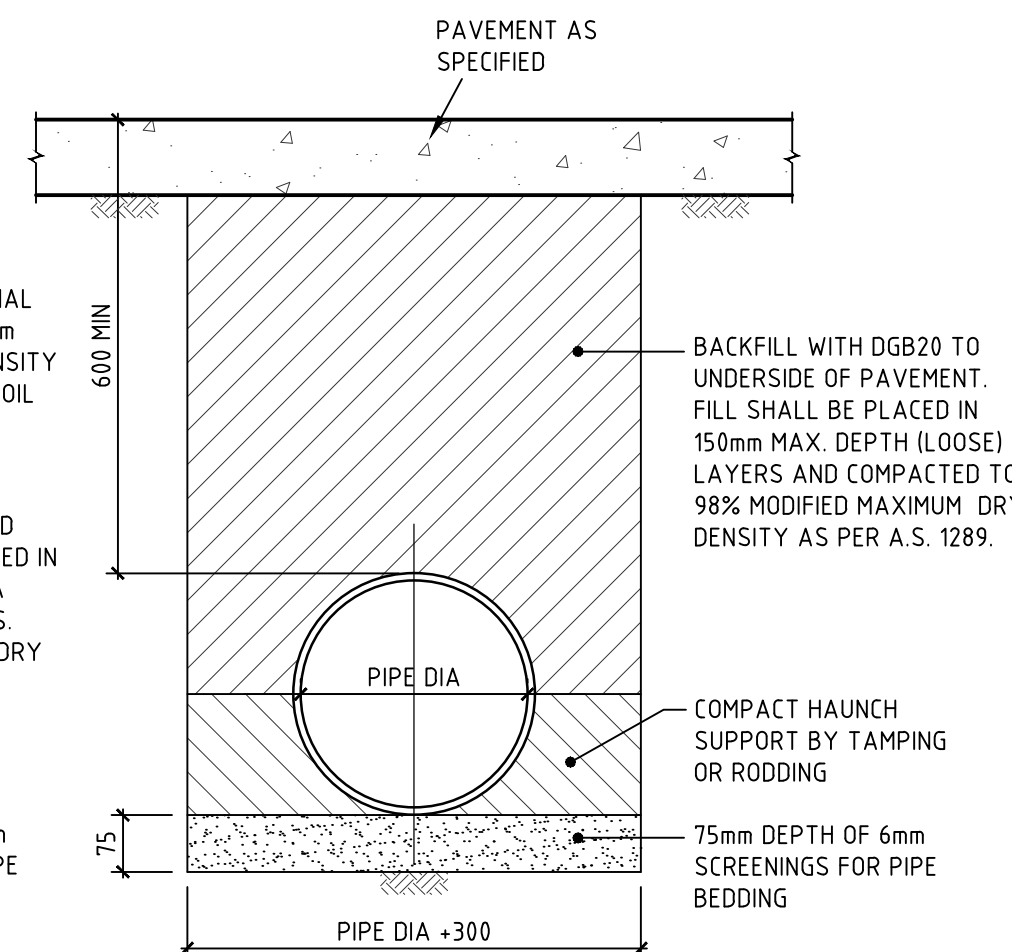


SCALE 1:10

NOTE: SLOTTED RIGID PVC PIPE
AND FITTINGS MAY BE USED

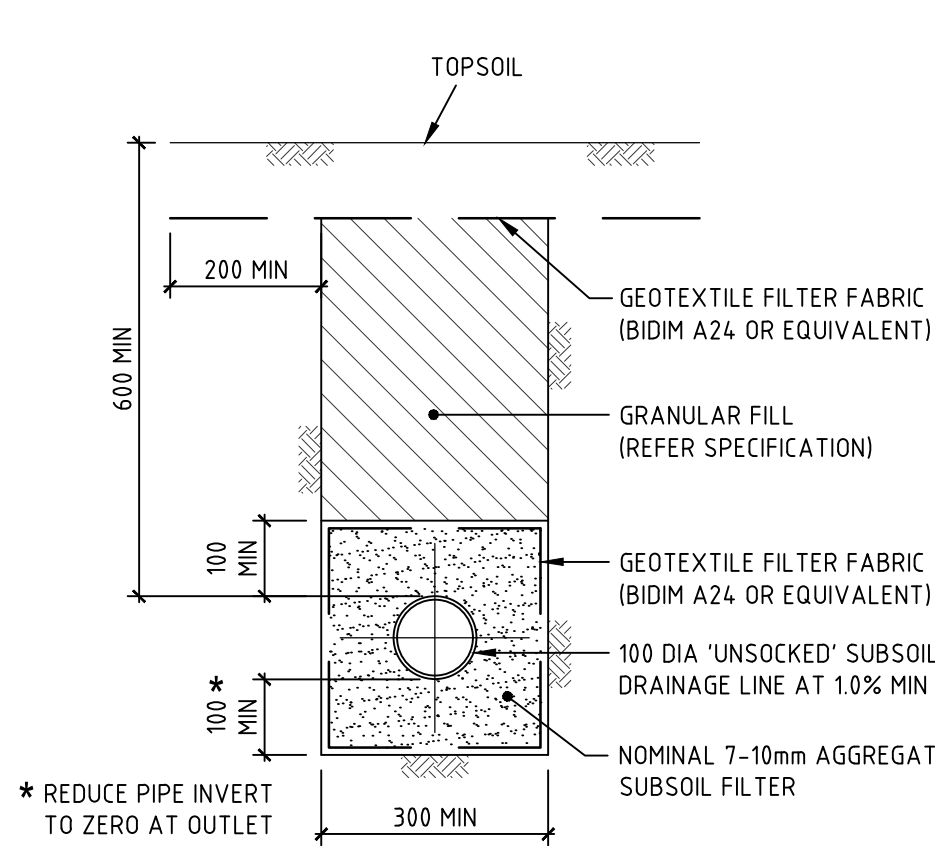


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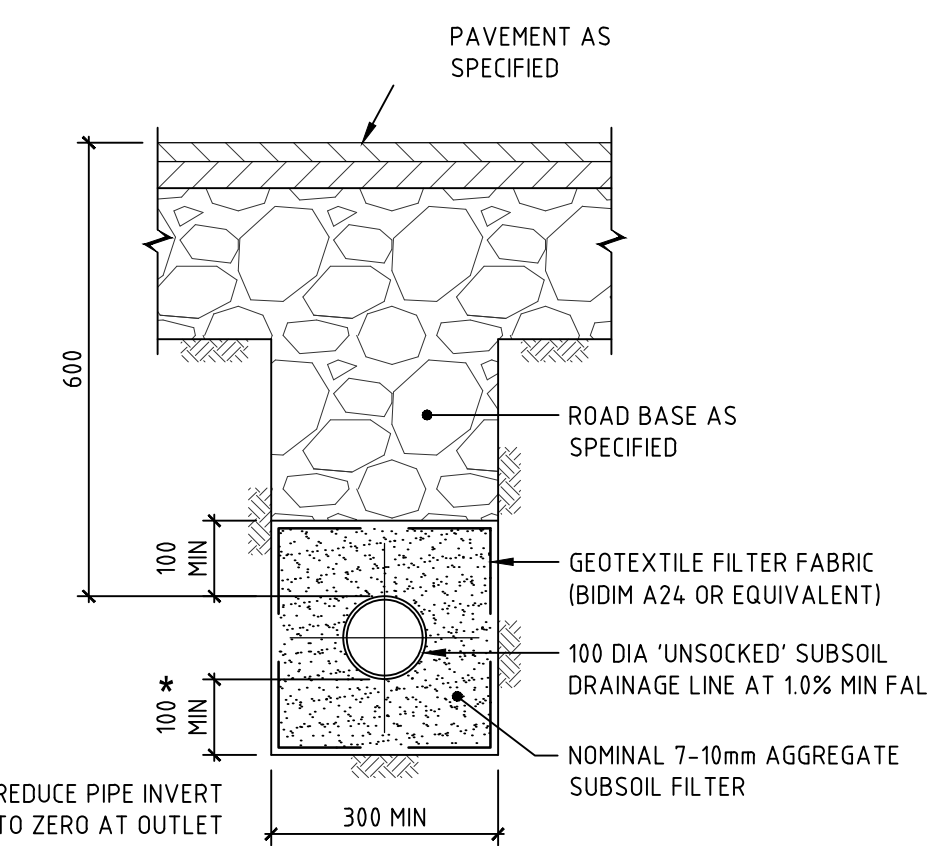


SCALE 1:10

NOTE: AVOID RUNNING CONSTRUCTION EQUIPMENT OVER THE PIPES
UNTIL BACKFILL MATERIAL IS 300mm MIN. ABOVE CROWN OF PIPE

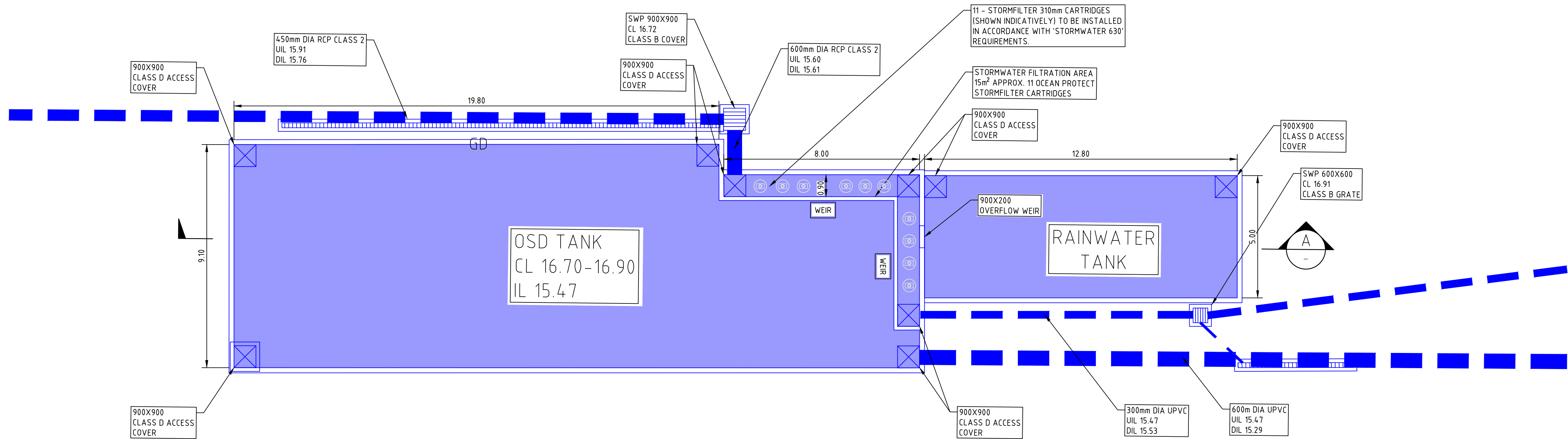


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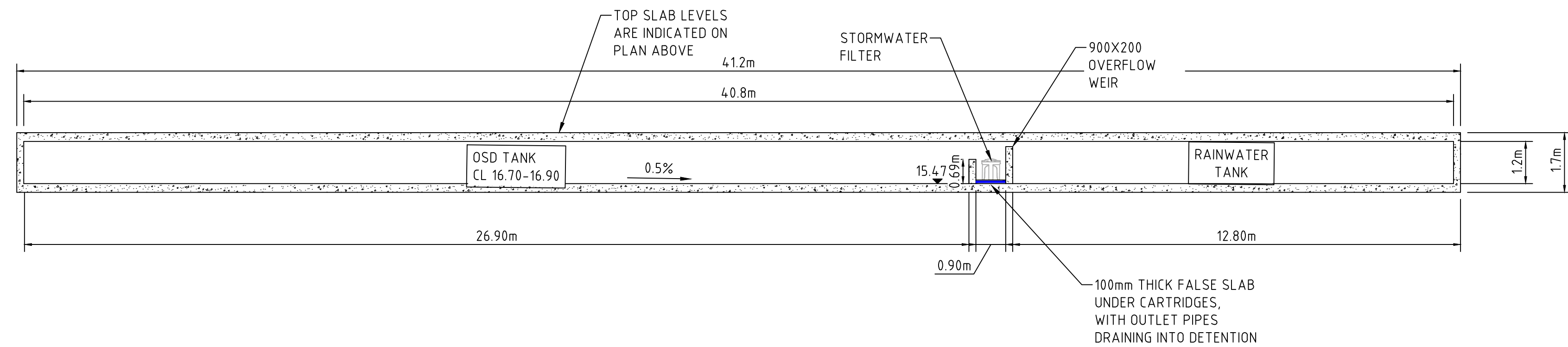


SCALE 1:10

[illegible]



ON-SITE DETENTION TANK PLAN
SCALE 1 : 100



SECTION A-A
SCALE 1 : 100

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Rev	Description	Date	By	App
A	ISSUED FOR TENDERS	02.08.22	DH	

Rev	Description	Date	By	App



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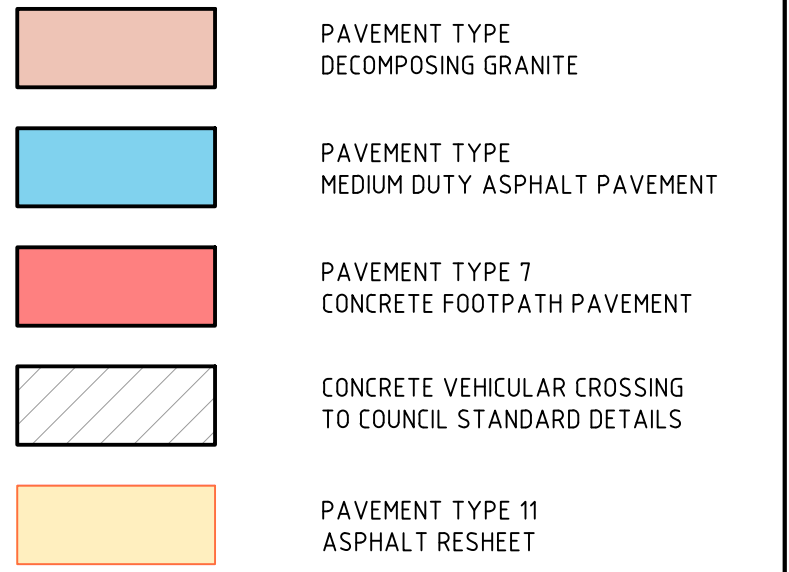
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Drawing Title	ON SITE DETENTION DETAILS		

DESIGN DEVELOPMENT			
Designed	GK	Approved	Date
Drawn	DH		
Scale	-		
Date	FEB. 22	Project Ref	Drawing No
Sheet	A1	ASB-DD-DRG-CV-053	Rev

A

NOTES

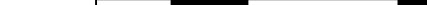
1. CONCRETE PAVEMENT SHALL CONFORM TO AS2150 AND THE SPECIFICATIONS



<u>SJ</u>	SAWCUT JOINT
<u>EJ</u>	EXPANSION JOINT
<u>DEJ</u>	DOWELLED EXPANSION JOINT
<u>KJ</u>	KEYED CONSTRUCTION JOINT
<u>IJ</u>	ISOLATION JOINT



SCALE 1:500

A horizontal scale bar with alternating black and white segments. It is marked with '0m', '5m', '10m', '20m', and '30m' at regular intervals.

SHOALHAVEN DISTRICT	DESIGN DEVELOPMENT
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Project Name	SDMH SHOALHAVEN DISTRICT MEMORIAL HOSPITAL - SCENIC DR, NOWRA NSW 2541
--------------	--

Drawing Title PAVEMENT PLAN

DESIGN DEVELOPMENT

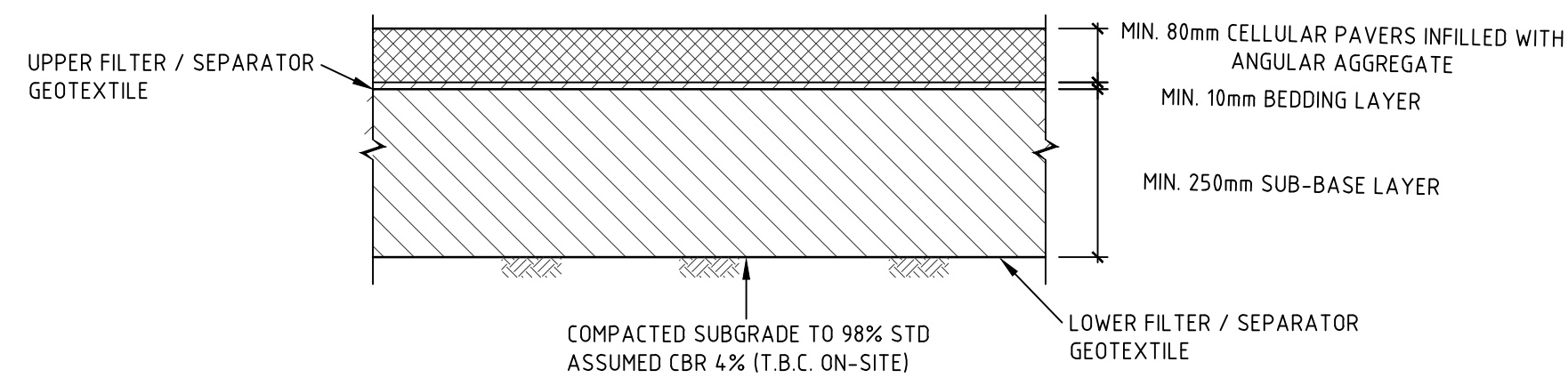
Designed	GK	Approved	Date	North
Drawn	DH			
Scale	1:500			
Date	FEB. 22			
Sheet	A1			
		Project Ref	Drawing No	Rev
		ASB-DD-DRG-CV-060		A

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Rev	Description	Date	By	App

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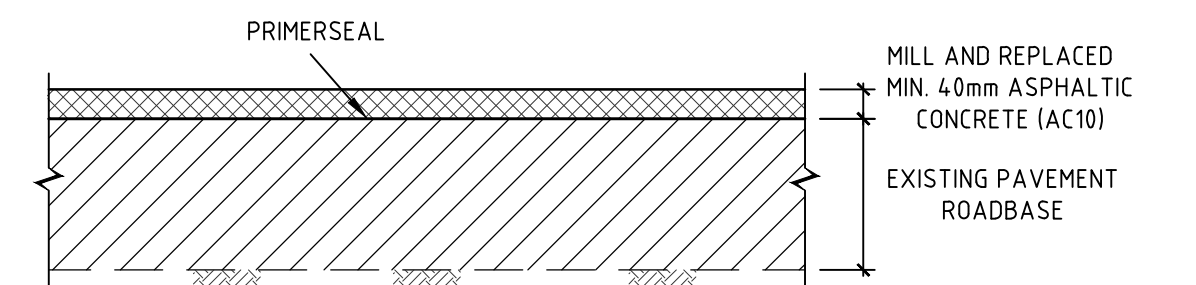
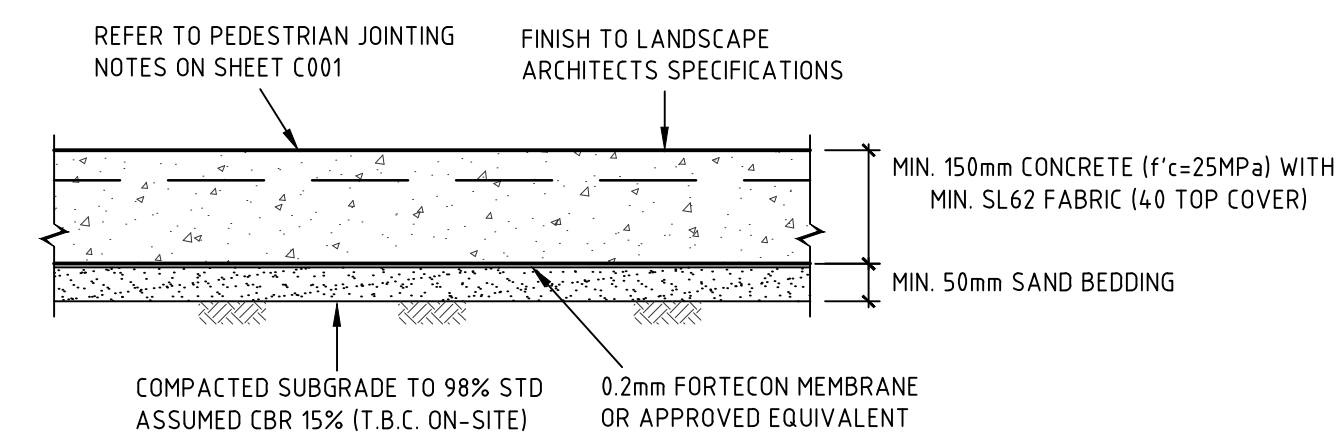
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SCALE 1:10



DENOTED ON PLAN

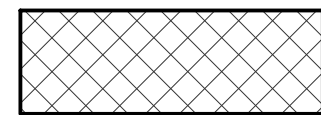


SCALE 1:10



DENOTED ON PLAN

SCALE 1:10

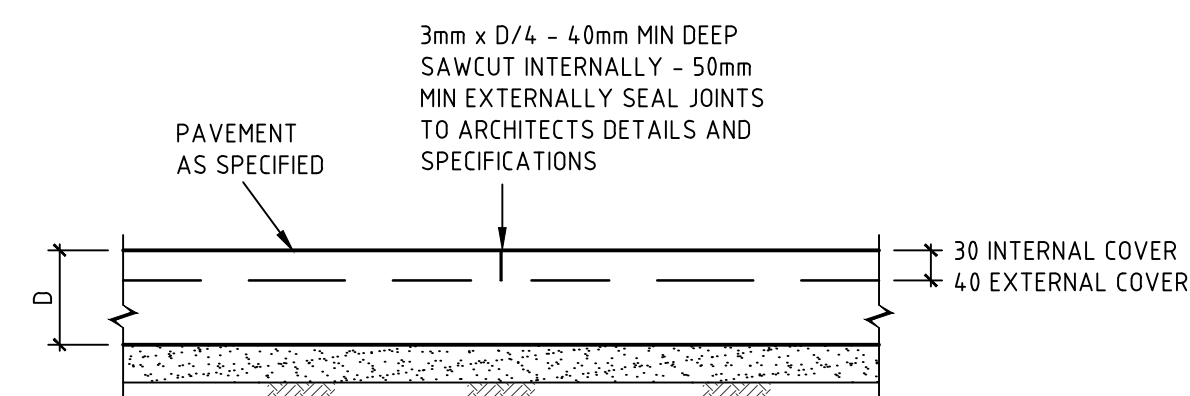


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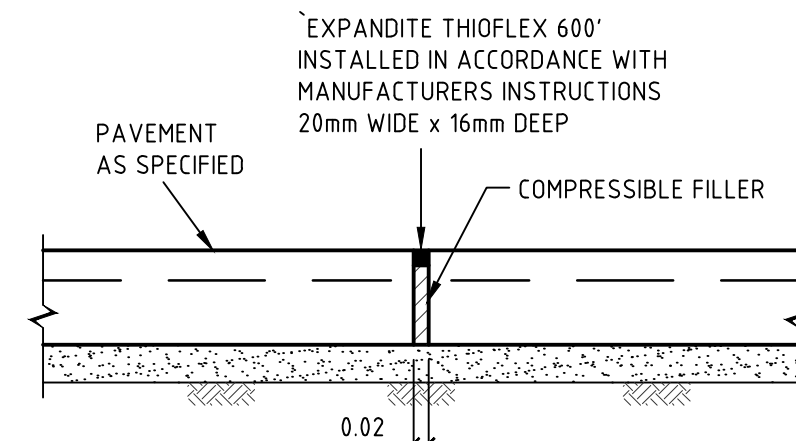
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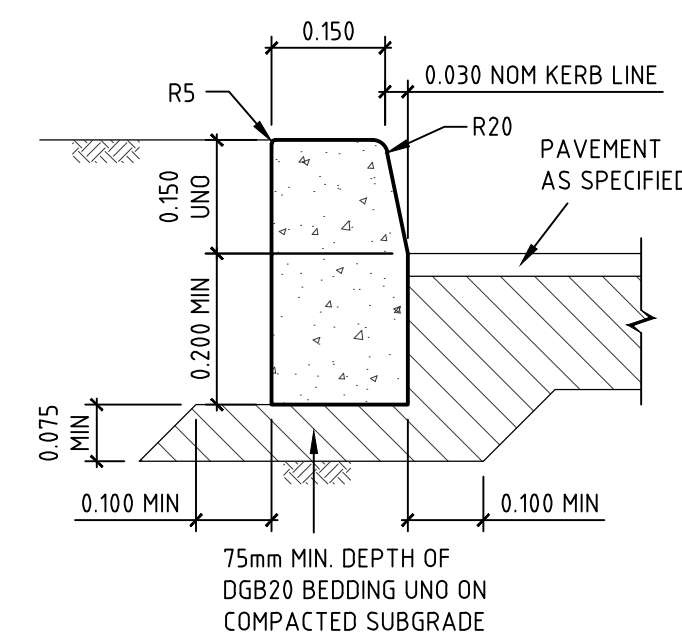
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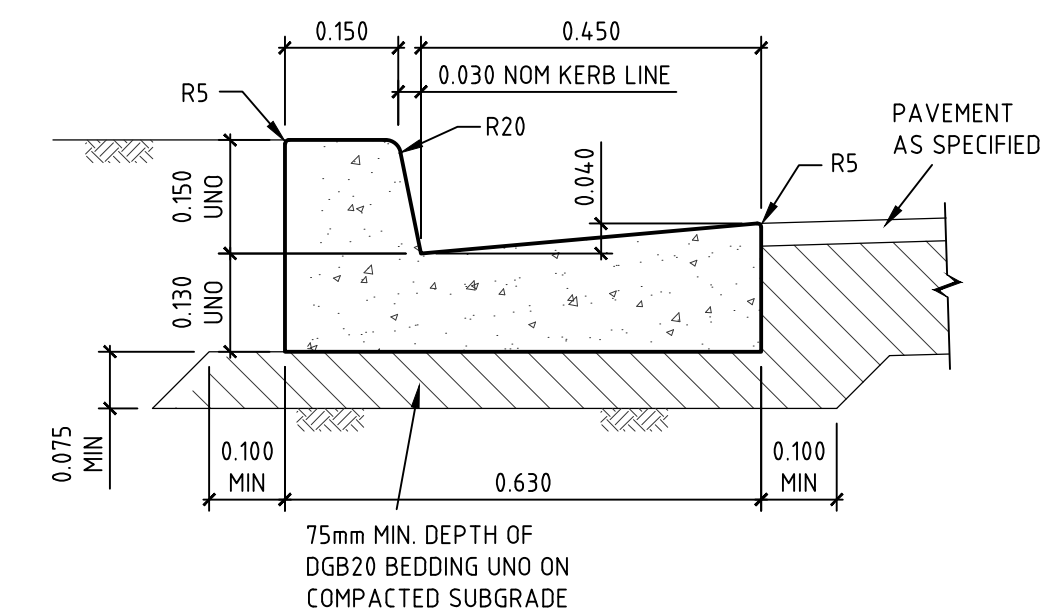
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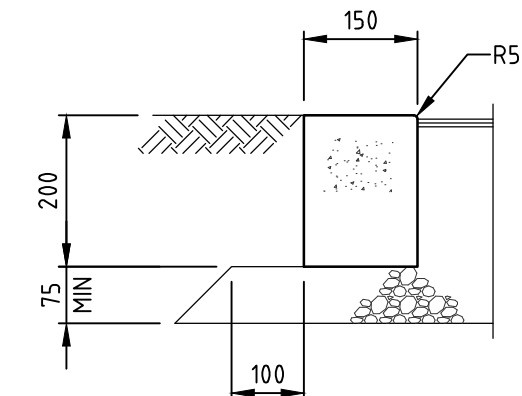
SCALE 1:10



SCALE 1:10



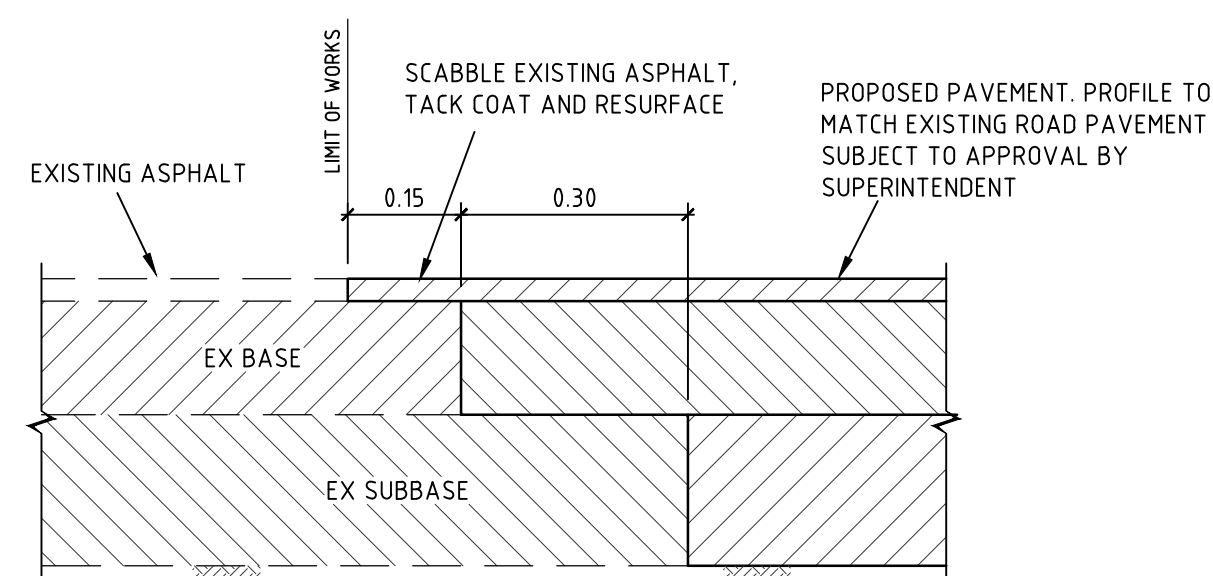
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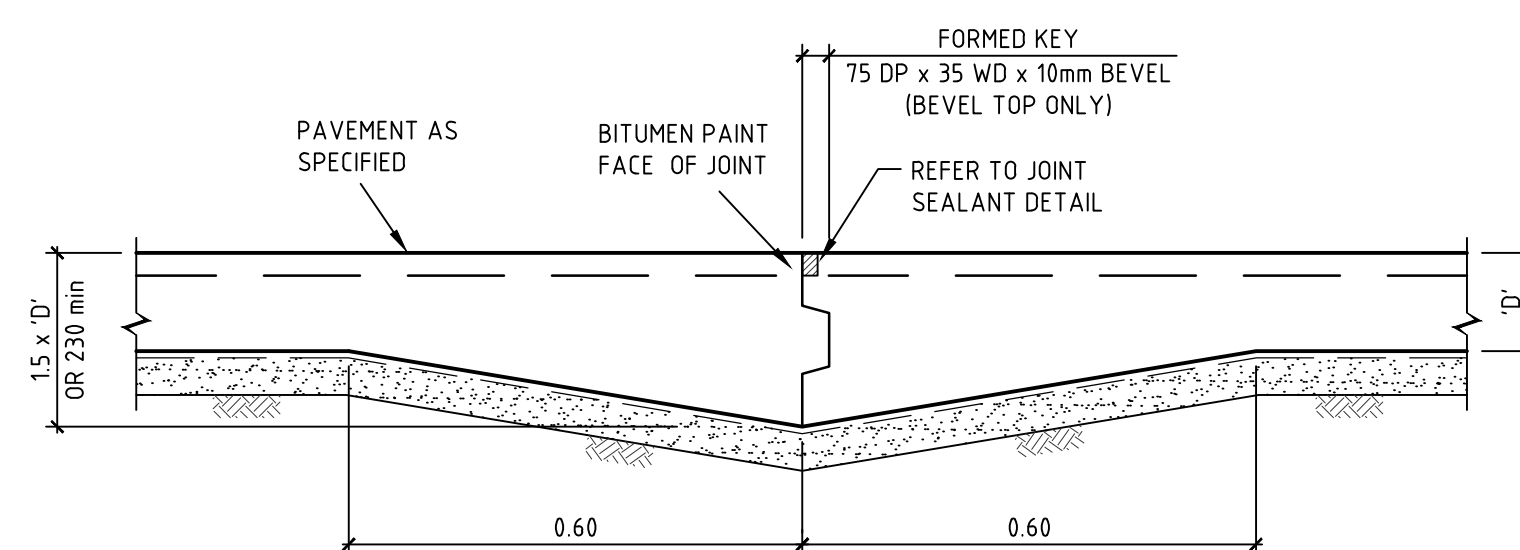
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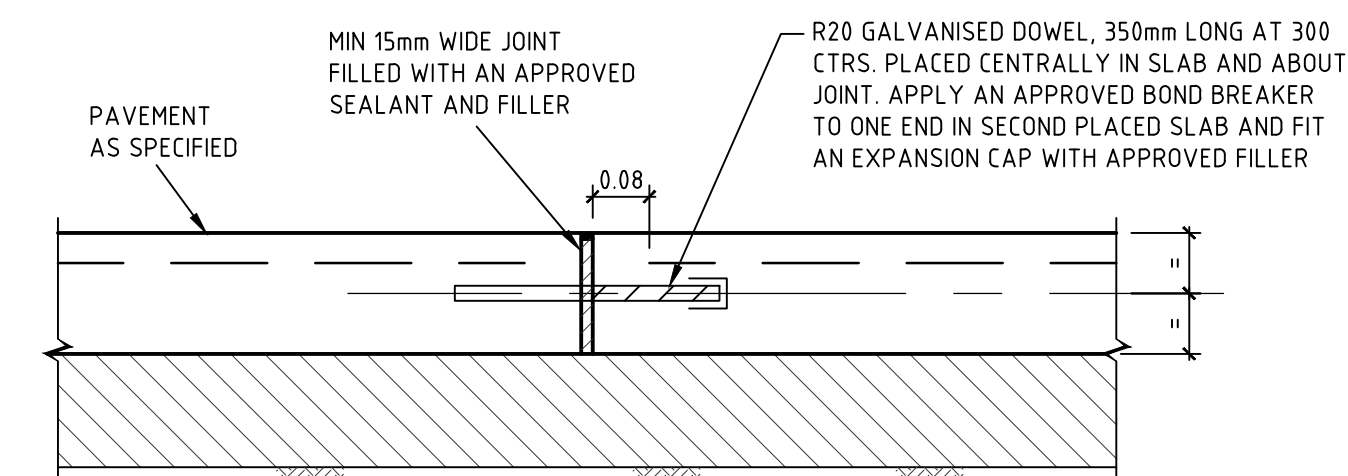
1. SLAB MUST BE SAWCUT AS SOON AS PRACTICABLE AFTER FINISHING OF THE SLAB WITHOUT CAUSING DAMAGE TO THE SAWCUT EDGES - USUALLY 12-24 HOURS
2. SLABS MUST NOT BE POURED IF TEMPERATURE EXCEEDS 32°
3. HOT WEATHER PLACING (25° AND OVER) MAY REQUIRE SLABS TO BE SAWCUT AS SOON AS 5-6 HOURS AFTER POURING.
4. ANY SLAB RAY IN WHICH SHRINKAGE CRACKS OCCUR DUE TO LATE SAWCUTTING MUST BE REMOVED AND REPLACED BY THE BUILDER/CONTRACTOR.



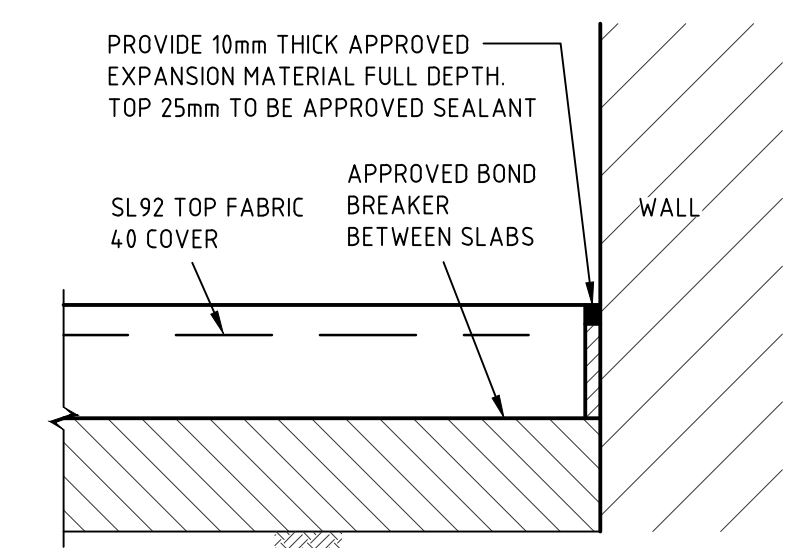
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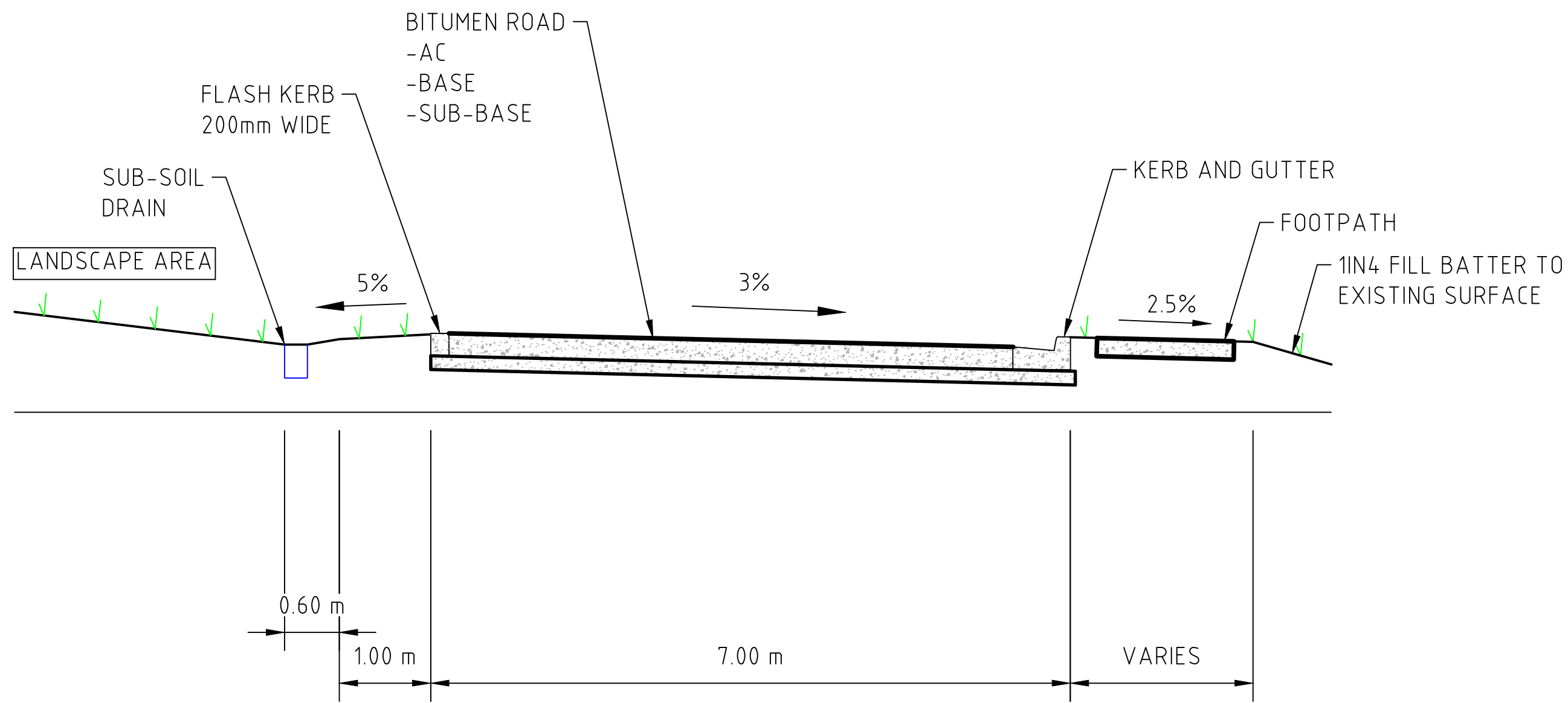
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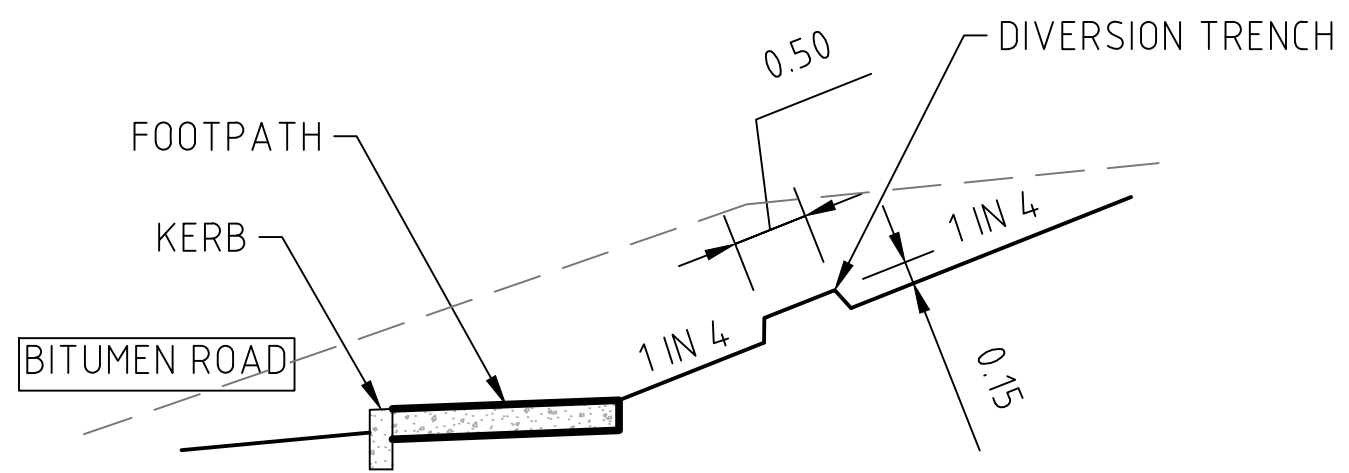
SCALE 1:10



SCALE 1:10



ACCESS ROAD - CROSS SECTION
SCALE 1:50



DISPERSION TRENCH - CROSS SECTION
SCALE 1:50

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A	ISSUED FOR TEND	21.07.22	DH				

Rev	Description	Date	By	App



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Project Name	SDMH SHOALHAVEN DISTRICT MEMORIAL HOSPITAL - SCENIC DR, NOWRA NSW 2541		
Drawing Title	ACCESS ROAD CROSS SECTIONS TYP.		

DESIGN DEVELOPMENT			
Designed	GK	Approved	Date
Drawn	DH		
Scale	AS SHOWN	Project Ref	Drawing No
Date	FEB. 22		
Sheet	A1	ASB-DD-DRG-CV-080	Rev
			A