

# MULTI-LEVEL WAREHOUSE

45-57 MOXON ROAD, PUNCHBOWL, 2196

## CIVIL DRAWINGS FOR STATE SIGNIFICANT DEVELOPMENT APPLICATION

DRAWING LIST:

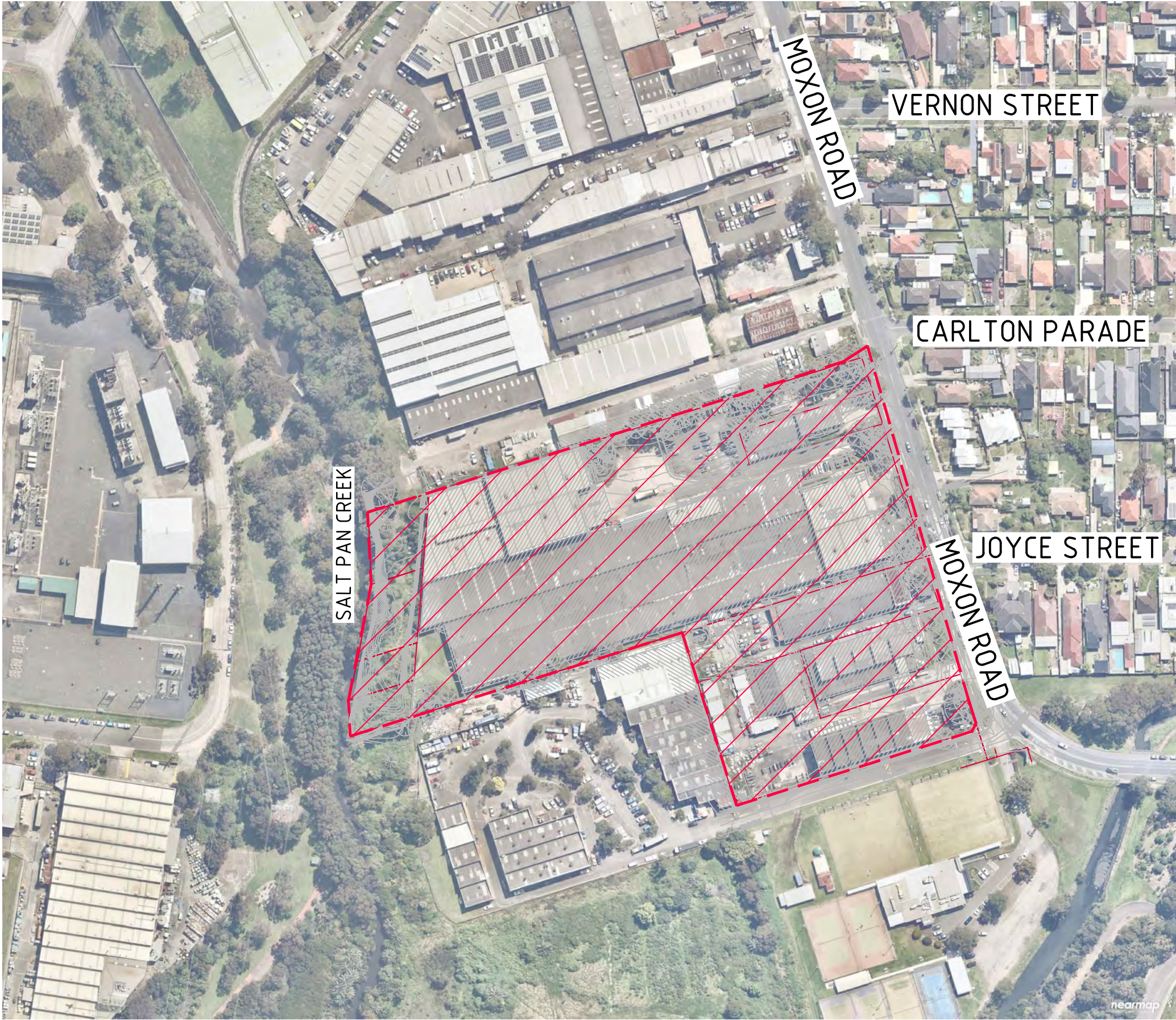
DRAWING NO.	DRAWING TITLE
C013924.01-SSDA10	DRAWING LIST & GENERAL NOTES
C013924.01-SSDA20	EROSION & SEDIMENT CONTROL PLAN
C013924.01-SSDA25	EROSION & SEDIMENT CONTROL DETAILS - SHEET 1
C013924.01-SSDA26	EROSION & SEDIMENT CONTROL DETAILS - SHEET 2
C013924.01-SSDA30	BULK EARTHWORKS PLAN
C013924.01-SSDA40	STORMWATER DRAINAGE PLAN - GROUND
C013924.01-SSDA41	STORMWATER DRAINAGE PLAN - LEVEL 1
C013924.01-SSDA42	PRE/POST DEVELOPMENT CATCHMENT PLAN
C013924.01-SSDA45	STORMWATER DRAINAGE DETAILS - SHEET 1
C013924.01-SSDA46	STORMWATER DRAINAGE DETAILS - SHEET 2
C013924.01-SSDA50	FINISHED LEVELS PLAN - GROUND
C013924.01-SSDA51	FINISHED LEVELS PLAN - LEVEL 1
C013924.01-SSDA55	TYPICAL SECTIONS

GENERAL NOTES:

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR DIMENSIONAL SETOUT. REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.
- DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
- ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE JOB.

ELECTRONIC INFORMATION NOTES:

- THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS.
- THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MODEL AND ITS SUBSEQUENT USE TO UNDERTAKE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
- THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.



 SITE LOCATION PLAN  
NTS



Department of Planning,  
Housing and Infrastructure

Issued under the Environmental Planning and Assessment Act 1979

Approved application number: SSD-55266460

Granted on: 19 July 2024

Signed: JF Sheet number: 1 of 10

FOR INFORMATION

ISSUED FOR INFORMATION PRELIMINARY ISSUE ONLY AMENDMENTS			12.04.23 02.12.22 DATE		B A ISSUE	
ARCHITECT			SBA ARCHITECTS		CLIENT	
Hale			PROJECT		Costin Roe Consulting Pty Ltd.	
MOXON ROAD, MULTI LEVEL WAREHOUSE			45-57 MOXON ROAD, PUNCHBOWL		ABN 50 003 696 446	
NSW, 2196			CONSULT AUSTRALIA		PO Box N419 Sydney NSW 1220	
DESIGNED DS			DRAWN JW		Level 4, 8 Windmill Street, Millers Point NSW 2000	
DATE 01 OCT '22			CHECKED DS		p: +61 2 9251 7699 f: +61 2 9241 3731	
SIZE A1			SCALE AS SHOWN		e: mail@costinroe.com.au w: costinroe.com.au	
CAD REF: C013924.01-SSDA10			CRC		CIVIL & STRUCTURAL ENGINEERS	
DRAWING TITLE			DRAWING LIST & GENERAL NOTES		DRAWING No C013924.01-SSDA10	
ISSUE B						



LEGEND:

PROVIDE 1m RETURNS TO SILT FENCE AT 30m MAX. INTERVALS.  
TYPICAL (N.S.O.P.)

- DENOTES DIVERSION DRAIN
- DENOTES CLEAN WATER PIPE
- DENOTES SILT FENCE WITH CATCH DRAIN
- DENOTES SILT FENCE ONLY
- DENOTES CONSTRUCTION ENTRY
- DENOTES OVERLAND FLOW PATH
- DENOTES KERB INLET CONTROL



Department of Planning,  
Housing and Infrastructure

SALT PAN CREEK

Issued under the Environmental Planning and Assessment Act 1979

Approved application number: SSD-55266460

Granted on: 19 July 2024

Signed: JF Sheet number: 2 of 10

EROSION CONTROL NOTES:

ALL CONTROL WORK INCLUDING DIVERSION BANKS AND CATCH DRAINS, V-DRAINS AND SILT FENCES SHALL BE COMPLETED DIRECTLY FOLLOWING THE COMPLETION OF THE EARTHWORKS.

- SILT FENCES AND SILT FENCE RETURNS SHALL BE ERECTED CONVEX TO THE CONTOUR TO POND WATER.
- HAY BALE BARRIERS AND GEOTEXTILE FENCES ARE TO BE CONSTRUCTED TO TOE OF BATTER, PRIOR TO COMMENCEMENT OF EARTHWORKS, IMMEDIATELY AFTER CLEARING OF VEGETATION AND BEFORE REMOVAL OF TOP SOIL.
- ALL TEMPORARY EARTH BERMS, DIVERSION AND SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- CLEAR WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE DRAINAGE SYSTEM.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROVIDING ON GOING ADJUSTMENT TO EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING, TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE, APPROVED LOCATION.
- ALL FINAL EROSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT OF GRASSING ARE TO BE MAINTAINED UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.
- ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL THE EARTHWORKS.
- ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE AT THE END OF EACH DAYS EARTHWORKS. THE HEIGHT OF THE BUND SHALL BE A MINIMUM OF 200mm.
- ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF FORMATION.
- AFTER REVEGETATION OF THE SITE IS COMPLETE AND THE SITE IS STABLE IN THE OPINION OF A SUITABLY QUALIFIED PERSON ALL TEMPORARY WORK SUCH AS SILT FENCE, DIVERSION DRAINS ETC SHALL BE REMOVED.
- ALL TOPSOIL STOCKPILES ARE TO BE SUITABLY COVERED TO THE SATISFACTION OF THE SITE MANAGER TO PREVENT WIND AND WATER EROSION.
- ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR CLEARING OR DISTURBANCE BY THE CONTRACTOR'S ACTIVITIES SHALL BE CLEARLY MARKED AND SIGN POSTED, FENCED OFF OR OTHERWISE APPROPRIATELY PROTECTED AGAINST ANY SUCH DISTURBANCE.
- ALL STOCKPILE SITES SHALL BE SITUATED IN AREAS APPROVED FOR SUCH USE BY THE SITE MANAGER. A 6m BUFFER ZONE SHALL EXIST BETWEEN STOCKPILE SITES AND ANY STREAM OR FLOW PATH. ALL STOCKPILES SHALL BE ADEQUATELY PROTECTED FROM EROSION AND CONTAMINATION OF THE SURROUNDING AREA BY USE OF THE MEASURES APPROVED IN THE EROSION AND SEDIMENTATION CONTROL PLAN.
- ACCESS AND EXIT AREAS SHALL INCLUDE SHAKE-DOWN OR OTHER METHODS APPROVED BY THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FROM MOTOR VEHICLES.
- THE CONTRACTOR IS TO ENSURE RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF POLLUTANTS BEFORE IT IS EITHER DISPERSED TO STABLE AREAS OR DIRECTED TO NATURAL WATERCOURSES.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED ESCP / SWMP.

RUSLE CALCULATION:

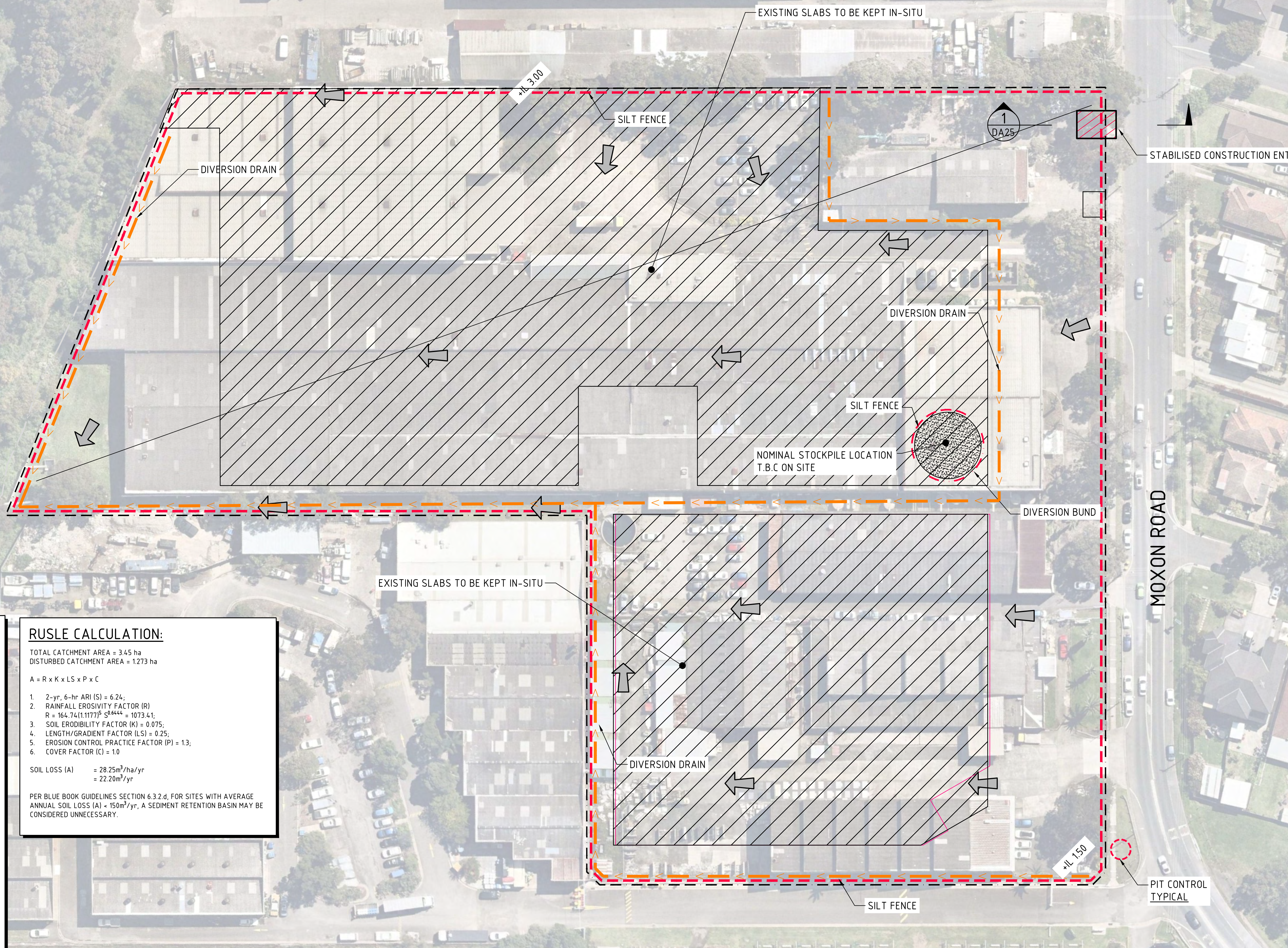
TOTAL CATCHMENT AREA = 3.45 ha  
DISTURBED CATCHMENT AREA = 1.273 ha

$$A = R \times K \times LS \times P \times C$$

- 2-yr, 6-hr ARI (S) = 6.24;
- RAINFALL EROSIVITY FACTOR (R)  
 $R = 164.74(1.1177)^S S^{0.8444} = 1073.41$ ;
- SOIL ERODIBILITY FACTOR (K) = 0.075;
- LENGTH/GRADIENT FACTOR (LS) = 0.25;
- EROSION CONTROL PRACTICE FACTOR (P) = 1.3;
- COVER FACTOR (C) = 1.0

$$\text{SOIL LOSS (A)} = 28.25 \text{ m}^3/\text{ha}/\text{yr}$$
$$= 22.20 \text{ m}^3/\text{yr}$$

PER BLUE BOOK GUIDELINES SECTION 6.3.2 d. FOR SITES WITH AVERAGE ANNUAL SOIL LOSS (A) < 150m<sup>3</sup>/yr, A SEDIMENT RETENTION BASIN MAY BE CONSIDERED UNNECESSARY.



EROSION AND SEDIMENT CONTROL PLAN  
SCALE 1:500

5m 0 10 20 30 40 50m  
SCALE 1:500 AT A1 SIZE SHEET

FOR INFORMATION

ARCHITECT



CLIENT



PROJECT  
MOXON ROAD, MULTI LEVEL WAREHOUSE  
45-57 MOXON ROAD, PUNCHBOWL  
NSW, 2196

DESIGNED DS DRAWN JW DATE OCT '22 CHECKED DS SIZE A1 SCALE AS SHOWN CAD REF: C013924.01-SSDA20



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CIVIL &  
STRUCTURAL  
ENGINEERS

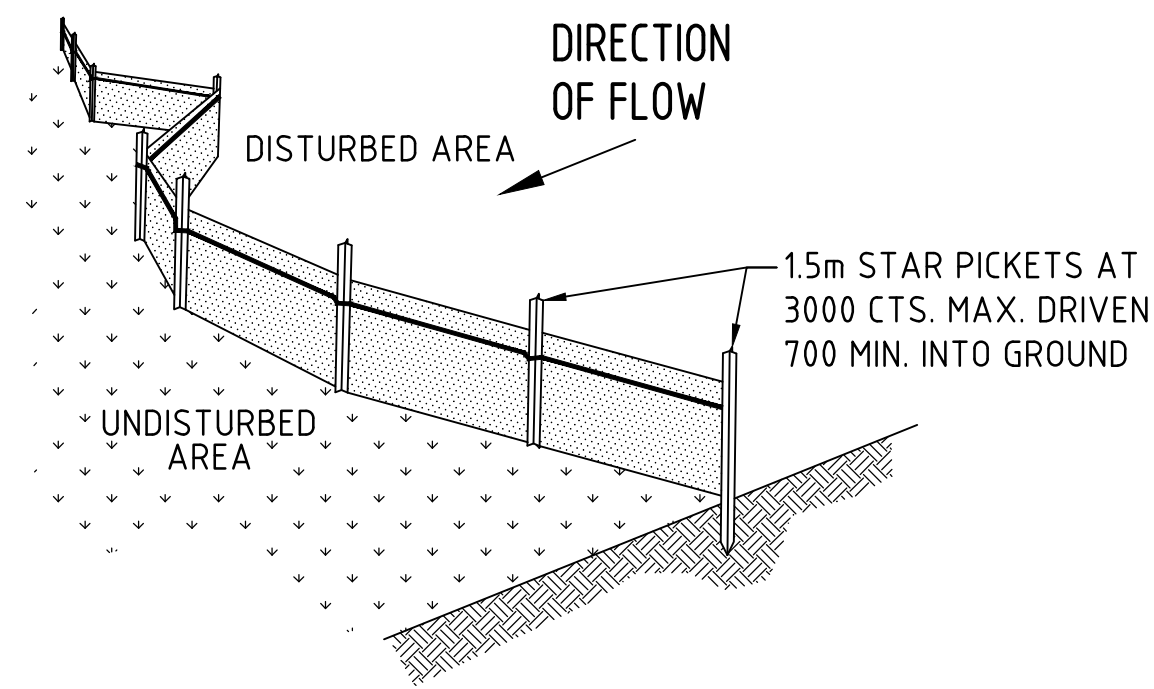
DRAWING TITLE  
EROSION & SEDIMENT CONTROL PLAN

DRAWING No C013924.01-SSDA20

ISSUE C

ISSUED FOR INFORMATION	12.04.23	C
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AMENDMENTS	DATE	ISSUE

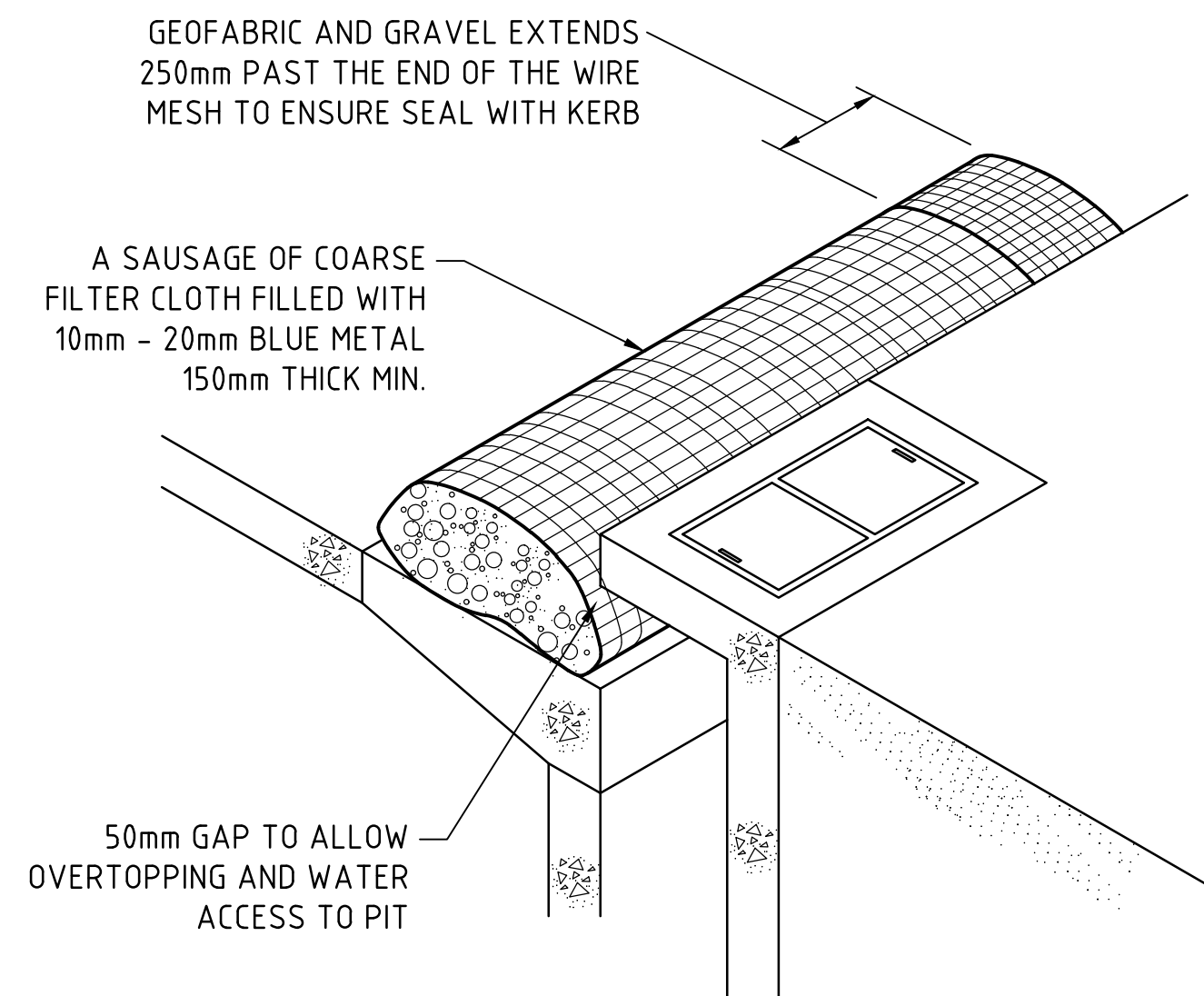




TYPICAL SILT FENCE DETAIL

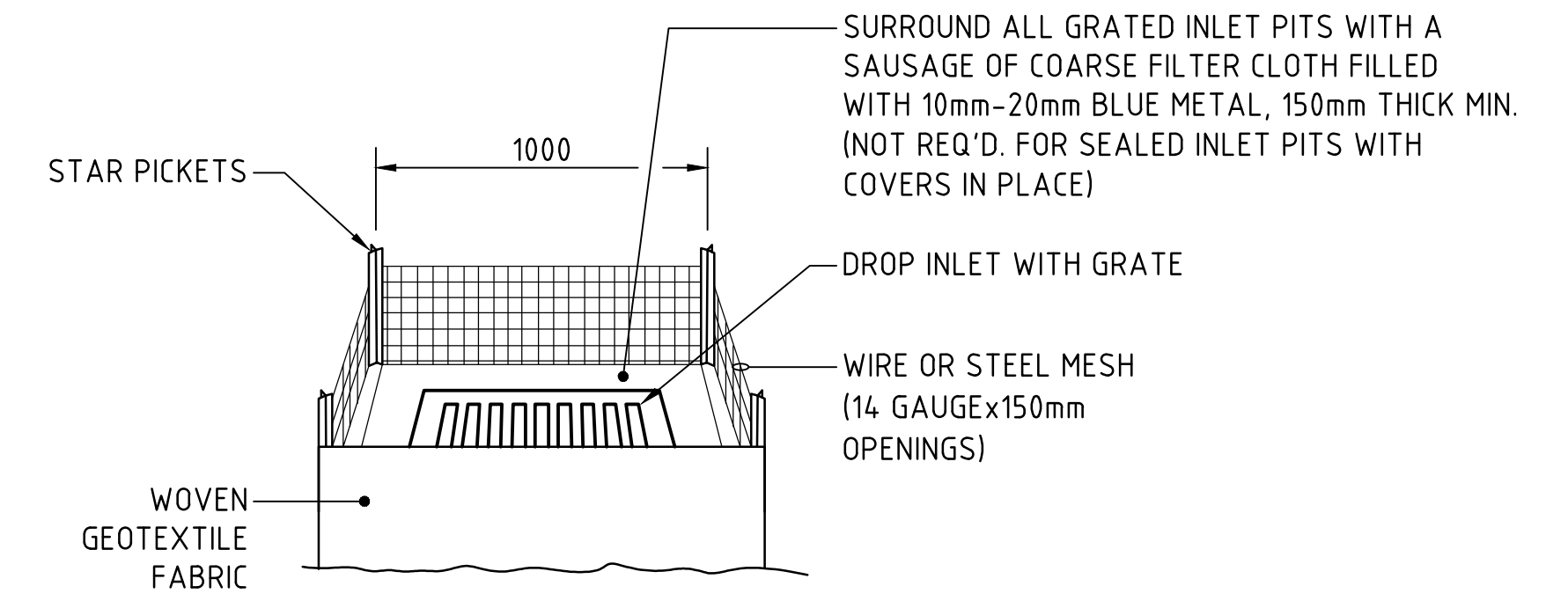
N.T.S

NOTE: PROVIDE 1m RETURNS AT 30m INTERVALS. TYPICAL



KERB INLET CONTROL

N.T.S

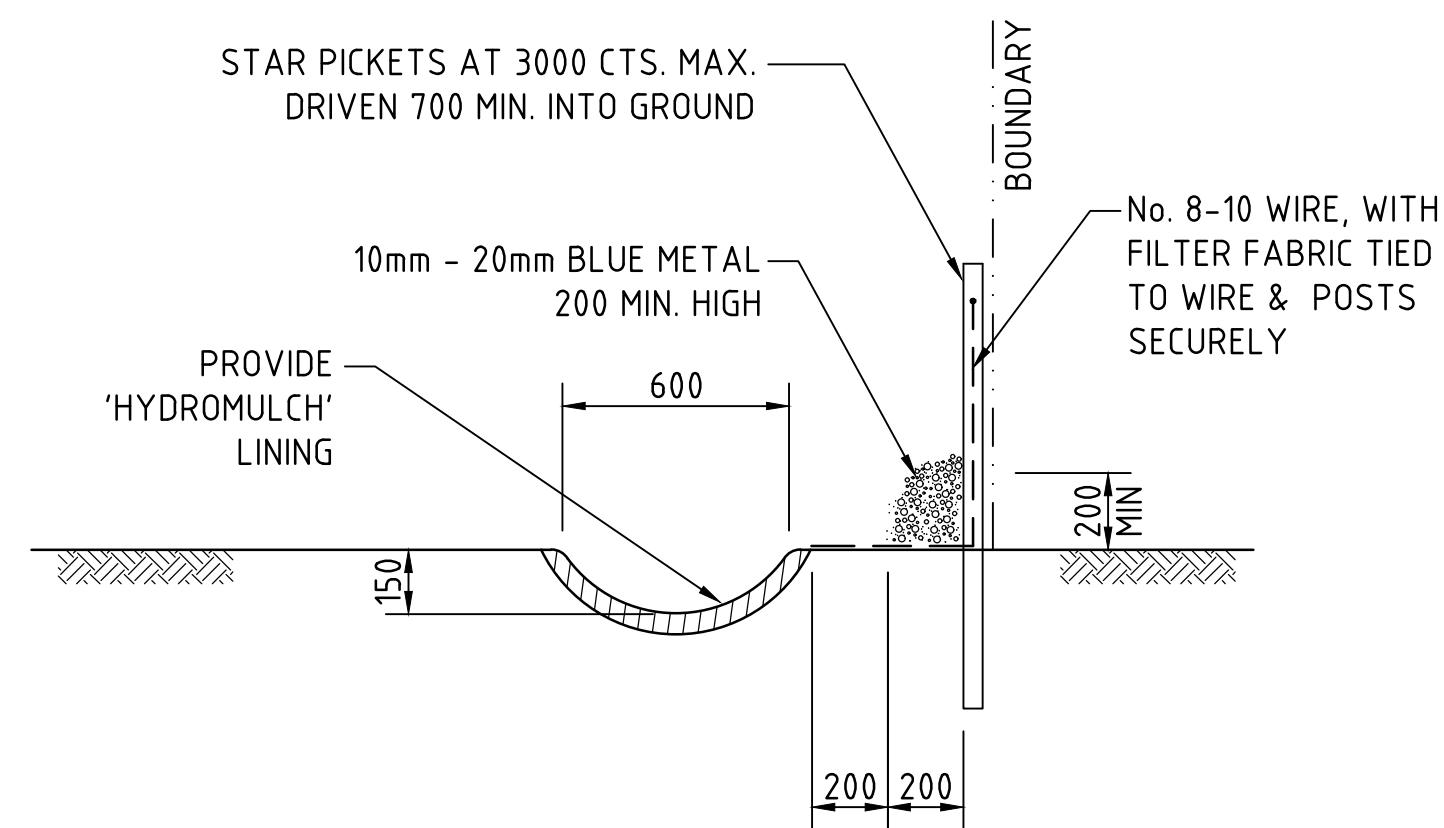


GRADED INLET PIT FILTER DETAIL

N.T.S

NOTE :

ADOPT ABOVE DETAILS AROUND ALL PITS WITHIN AREA ENCOMPASSED BY SILT FENCE & TO PITS ON THE ROAD ADJACENT TO SITE BOUNDARY.



TYPICAL OPEN DRAIN & SILT FENCE

SCALE 1:20



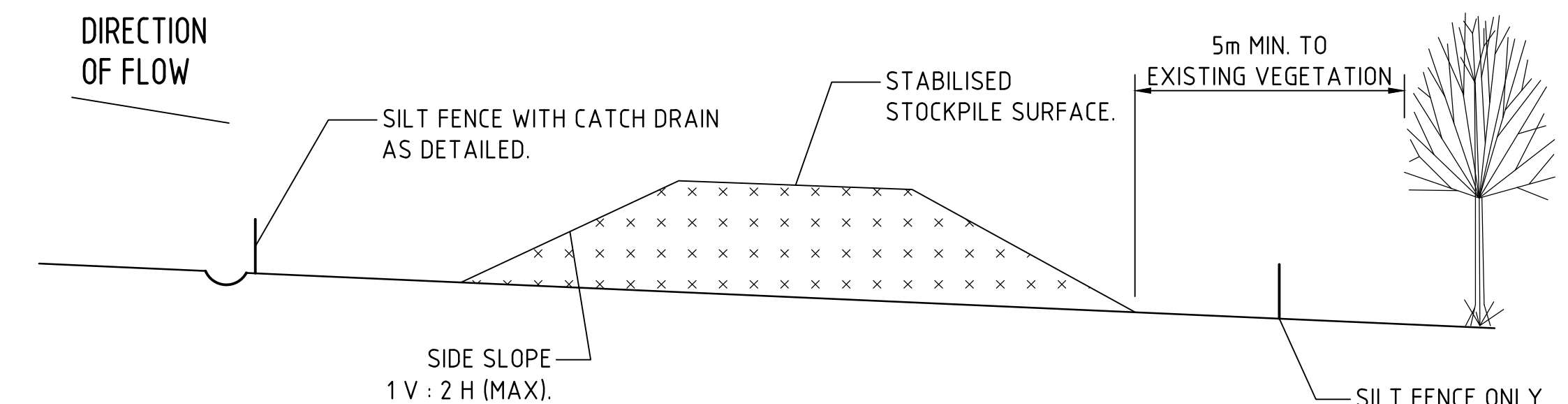
Department of Planning,  
Housing and Infrastructure

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Signed: JF Sheet number: 3 of 10

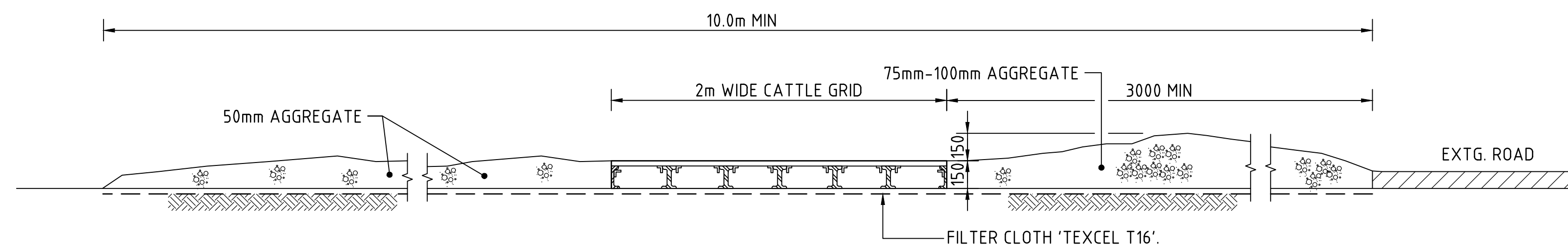


TYPICAL STOCKPILE DETAIL

N.T.S

STOCKPILE NOTES

1. PLACE ALL STOCKPILES IN LOCATIONS MORE THAN 5m FROM EXISTING VEGETATION, ROADS & HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT ELONGATED MOUNDS. SIDE SLOPE TO BE 1 V: 2 H MAX.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE STOCKPILES ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE USING WOOD CHIP MULCH - 16 TONNE/Ha.
5. CONSTRUCT SILT FENCE WITH CATCH DRAIN ON UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES & SILT FENCE ONLY 1 TO 2m DOWNSLOPE AS SHOWN.



SECTION 1:20 : STABILISED CONSTRUCTION ENTRANCE 'TRUCK SHAKER'

1  
SSDA20

200mm 0 500 1000 1500 2000mm  
SCALE 1:20 AT A1 SIZE SHEET

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SIZE A1	SCALE AS SHOWN	CAD REF: C013924.01-SSDA25	
CONSULT AUSTRALIA			
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DRAWING TITLE EROSION & SEDIMENT CONTROL DETAILS - SHEET 1		DRAWING No C013924.01-SSDA25	
ISSUE B			





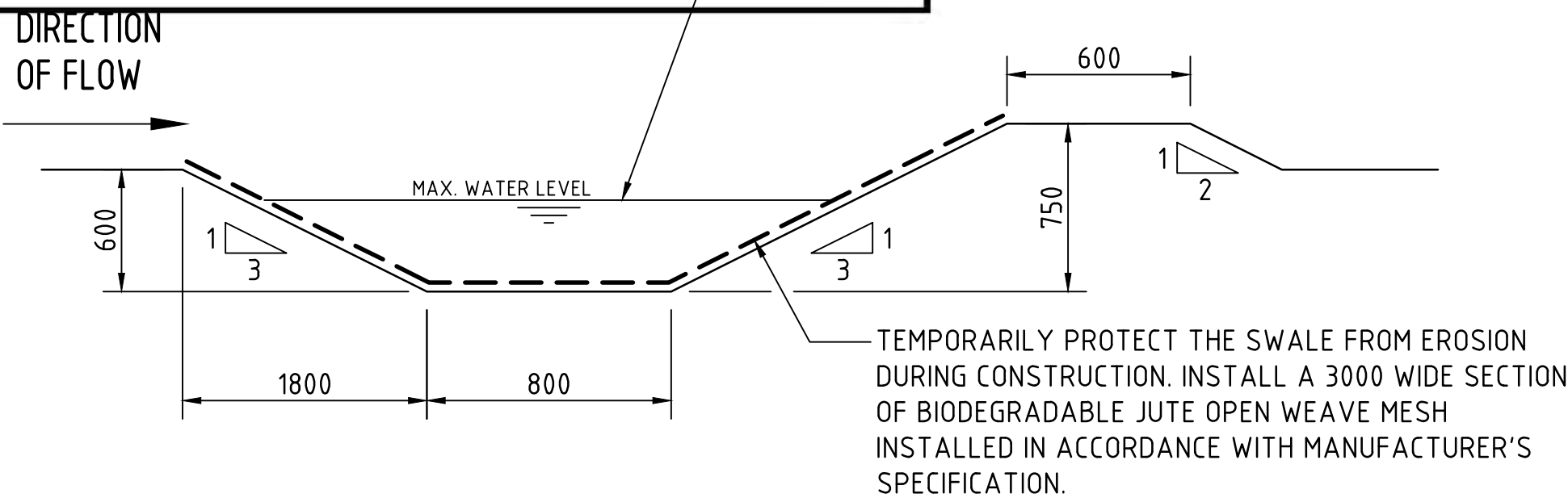
Issued under the Environmental Planning and Assessment Act 1979

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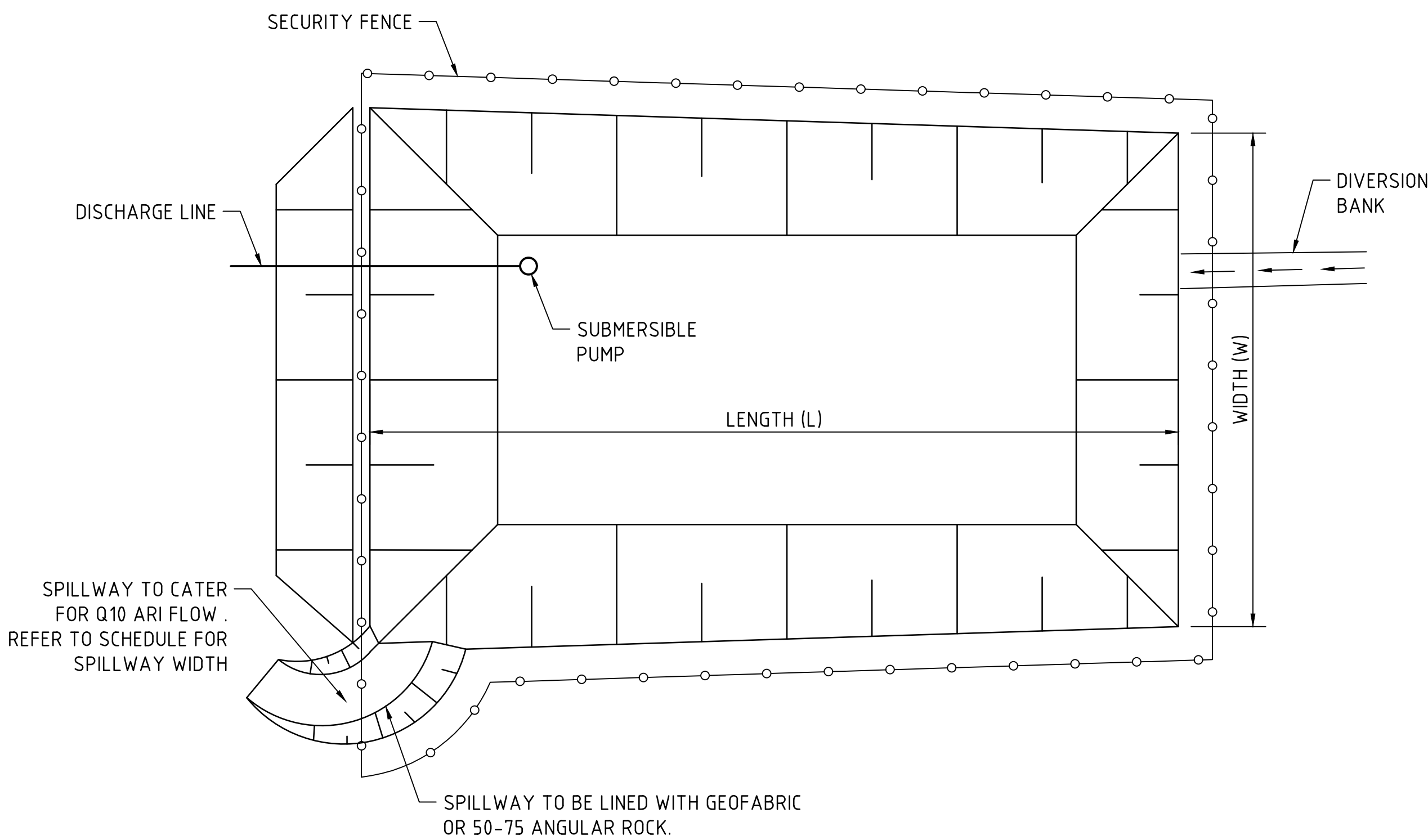
Granted on: 19 July 2024

Signed: JF Sheet number: 4 of 10

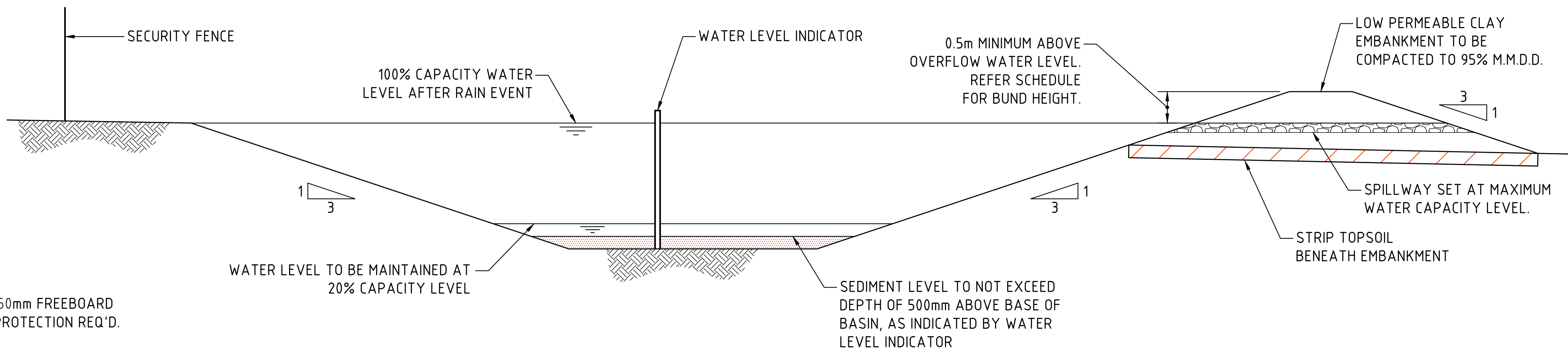
DIVERSION CHANNEL CAPACITY  
 $Q_{10} = 536 \text{ l/s}$  (A=2.0Ha MAX.)  
MANNINGS  $n=0.05$ , MIN. SLOPE = 0.5%  
CHANNEL CAPACITY (d=450mm) = 536 l/s + 150mm FREEBOARD  
VELOCITY = 0.584 m/s THEREFORE SCOUR PROTECTION REQ'D.



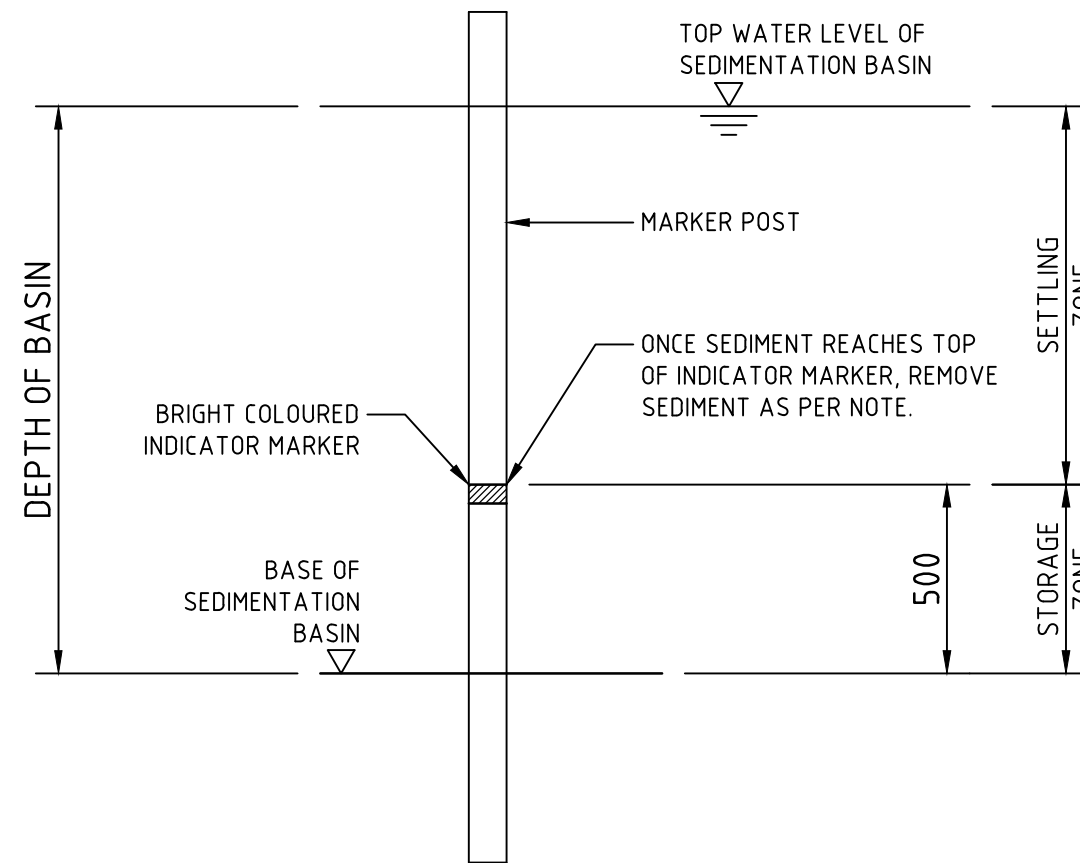
DIVERSION DRAIN SECTION  
SCALE 1:20



TYPICAL SEDIMENT CONTROL POND PLAN  
SCALE 1:250

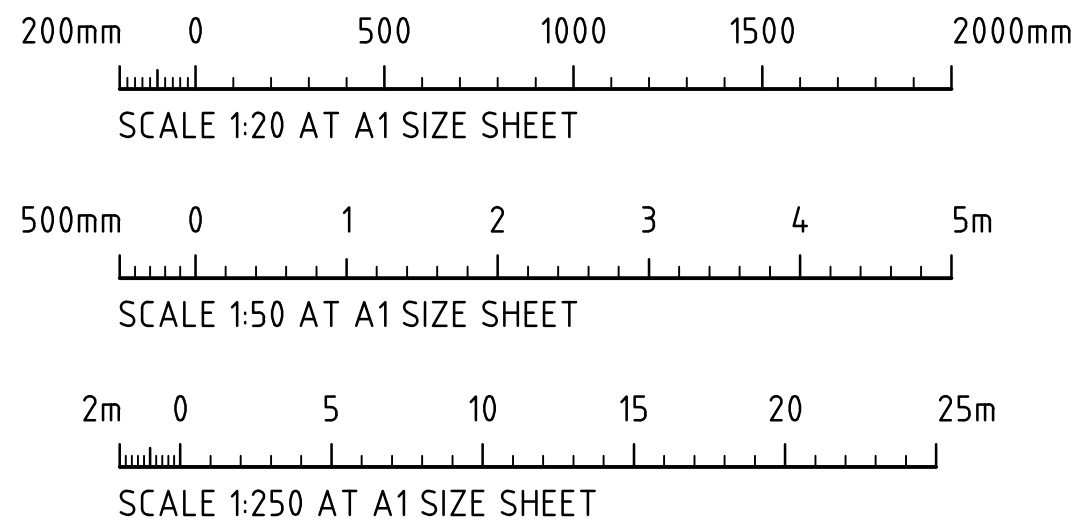


TYPICAL SEDIMENT CONTROL BASIN SECTION  
SCALE 1:50



SEDIMENT STORAGE MARKER  
SCALE 1:20

SPILLWAY DETAIL & SCHEDULE					
CATCHMENT (Ha)	FLOW (m³/s)	WIDTH (mm)	FLOW DEPTH (mm)	ROCK SIZE (mm)	BUND HEIGHT ABOVE SPILLWAY (mm)
0.20	0.14	1000	200	200	600
0.5	0.2	2000	200	200	600
1	0.3	2000	200	200	700
2	0.6	4000	200	200	700
5	1.4	5000	300	200	800
10	2.8	8000	350	200	850
20	5.5	14000	400	250	900
40	11.0	20000	500	250	1000



FOR INFORMATION

ISSUED FOR INFORMATION	12.04.23	B
PRELIMINARY ISSUE ONLY	02.12.22	A
AMENDMENTS	DATE	ISSUE



PROJECT MOXON ROAD, MULTI LEVEL WAREHOUSE 45-57 MOXON ROAD, PUNCHBOWL NSW, 2196					
DESIGNED DS	DRAWN JW	DATE OCT '22	CHECKED DS	SIZE A1	SCALE AS SHOWN
CAD REF: C013924.01-SSDA26					



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DRAWING TITLE EROSION & SEDIMENT CONTROL DETAILS - SHEET 2	
DRAWING No C013924.01-SSDA26	ISSUE B

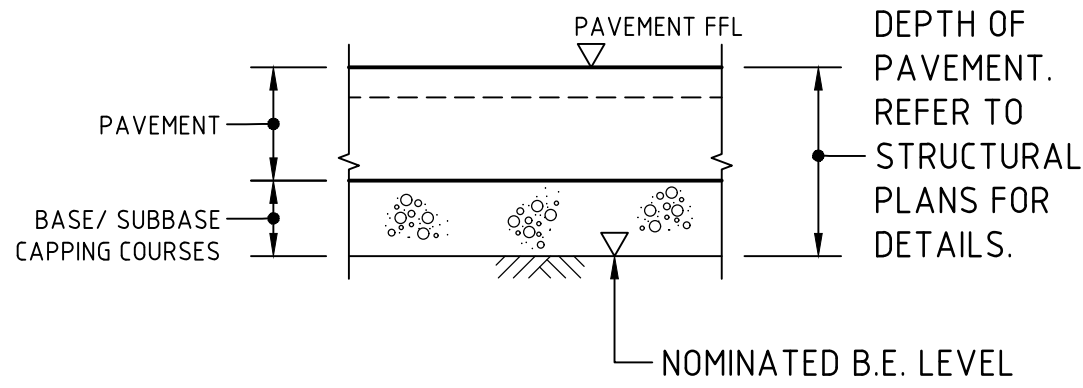


### LEGEND:

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED BY LANDPARTNERS DATED 17/09/21.

- 50.00 — - EXISTING CONTOUR (0.2m INTERVAL)
- 50.00 — - B.E.L. CONTOUR (MAJOR 1.0m)
- 50.10 — - B.E.L. CONTOUR (MINOR 0.25m)
- ★ 50.00 - B.E.L. SPOT LEVEL



### NOMINATED B.E.L. DETAIL NTS

### DEPTH RANGE

No.	FROM DEPTH	TO DEPTH	COLOUR
1	-3.000	-2.500	Red
2	-2.500	-2.000	Red
3	-2.000	-1.500	Red
4	-1.500	-1.000	Red
5	-1.000	-0.500	Dark Red
6	-0.500	0.000	Dark Red
7	0.000	0.500	Light Green
8	0.500	1.000	Light Green
9	1.000	1.500	Light Green
10	1.500	2.000	Light Green
11	2.000	2.500	Light Green
12	2.500	3.000	Light Green

### SITE PREPARATION NOTES:

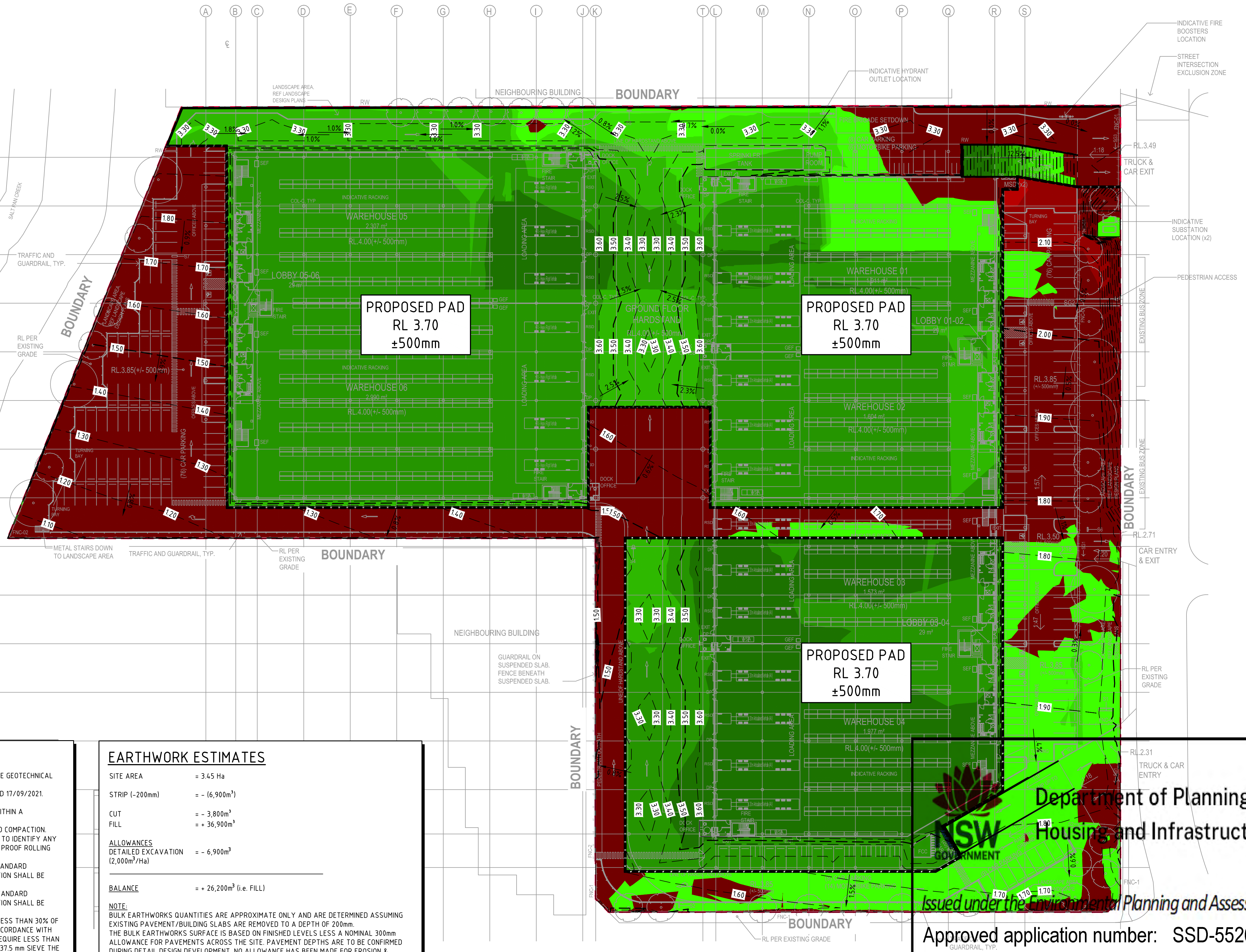
- ALL EARTHWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE WITH THE GUIDELINES SPECIFIED BY THE GEOTECHNICAL ENGINEER.
- EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY075388.000.5.2 DATED 17/09/2021.
- STRIP ANY TOP SOIL OR DELETERIOUS MATERIAL AND DISPOSE OF FROM SITE OR STORE AS DIRECTED.
- COMPLETE CUT TO FILL EARTHWORKS TO ACHIEVE THE REQUIRED LEVELS AS INDICATED ON THE DRAWINGS WITHIN A TOLERANCE OF +0mm/-10mm THROUGH BUILDING PADS/PAVEMENTS AND +0mm/-20mm ELSEWHERE.
- PREPARE STEEP BATTERS TO RECEIVE FILL BY CONSTRUCTING BENCHING TO FACILITATE FILL PLACEMENT AND COMPACTION. AREAS TO RECEIVE FILL (THAT ARE NOT ON BENCHED BATTERS) AND AREAS IN CUT SHALL BE PROOF ROLLED TO IDENTIFY ANY SOFT HEAVING MATERIAL. SOFT MATERIAL SHALL BE BOXED OUT AND REMOVED PRIOR TO FILL PLACEMENT. PROOF ROLLING TO BE INSPECTED BY A GEOTECHNICAL ENGINEER OR THE EARTHWORKS DESIGNER.
- SITE WON FILL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HLF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HLF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
- IMPORTED FILL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HLF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HLF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
- ALL ENGINEERED FILL PARTICLES SHALL BE ABLE TO BE INCORPORATED WITHIN A SINGLE LAYER. FURTHER, LESS THAN 30% OF PARTICLES SHALL BE RETAINED ON THE 37.5 mm SIEVE. ENGINEERED FILL SHALL BE ABLE TO BE TESTED IN ACCORDANCE WITH THE STANDARD COMPACTION METHOD (AS1289.5.4.1) OR HLF TEST METHOD (AS1289.5.7.1). THESE METHODS REQUIRE LESS THAN 20% RETAINED ON THE 37.5 mm SIEVE. WHERE BETWEEN 20% AND 30% OF PARTICLES ARE RETAINED ON THE 37.5 mm SIEVE THE ABOVE TEST METHODS SHALL STILL BE ADOPTED AND TEST REPORTS ANNOTATED APPROPRIATELY. THESE REQUIREMENTS SHOULD BE MET BY THE MATERIAL AFTER PLACEMENT AND COMPACTION.
- ALL THE EARTHWORKS UNDERTAKEN AND THE SUBGRADE CONDITION IN THE CUT AREAS (IN THE STATED PERIOD) ARE DOCUMENTED IN THE REPORTS AND HAVE BEEN UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION.
- PRIOR TO ANY EARTHWORKS, EROSION CONTROL AS OUTLINED IN THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE COMPLETED.
- EXISTING ROCK, IF ANY, SHALL BE REMOVED BY HEAVY ROCK BREAKING OR RIPPING.
- MATCH EXISTING LEVELS AT BATTER INTERFACE.
- CONTRACTOR TO MATCH EXISTING LEVELS AT THE INTERFACE OF EARTHWORKS AND EXISTING SURFACE AT BATTER LOCATIONS OR WHERE NO RETAINING WALLS ARE PRESENT. ANY DISCREPANCY BETWEEN DESIGN AND EXISTING LEVELS TO BE REFERRED TO THE ENGINEER FOR DIRECTION OR ADJUSTMENTS TO DESIGN LEVELS.
- DURING EARTHWORKS THE CONTRACTOR IS TO ENSURE ALL AREAS ARE FREE DRAINING & WILL NOT RETAIN WATER DURING RAINFALL. PROVIDE TEMPORARY MEASURES AS REQUIRED TO ENSURE FREE FLOWING RUNOFF THROUGH MANAGED DRAINAGE PATHS, DIVERSION DRAINS OR OTHER SUITABLE DISPOSAL METHOD AS AGREED DURING THE WORKS. REFER ANY CONCERNS TO THE ENGINEER. REFER TO EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES.

### EARTHWORK ESTIMATES

SITE AREA	= 3.45 Ha
STRIP (~200mm)	= - (6,900m³)
CUT	= - 3,800m³
FILL	= + 36,900m³
ALLOWANCES	
DETAILED EXCAVATION (2,000m³/Ha)	= - 6,900m³
BALANCE	= + 26,200m³ (i.e. FILL)

### LEVELS NOTE:

LEVELS SHOWN TO BE +500mm FROM THOSE SHOWN. FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.



### BULK EARTHWORKS PLAN SCALE 1:500

Department of Planning,  
Housing and Infrastructure

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Signed: JF Sheet number: 5 of 10

5m 0 10 20 30 40 50m  
SCALE 1:500 AT A1 SIZE SHEET

ARCHITECT



CLIENT



PROJECT

MOXON ROAD, MULTI LEVEL WAREHOUSE  
45-57 MOXON ROAD, PUNCHBOWL  
NSW, 2196



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CIVIL &  
STRUCTURAL  
ENGINEERS

DRAWING TITLE

BULK EARTHWORKS PLAN

DRAWING No

C013924.01-SSDA30

ISSUE

C

ISSUED FOR INFORMATION

12.04.23

C

PRELIMINARY ISSUE ONLY

05.12.22

B

PRELIMINARY ISSUE ONLY

02.12.22

A

AMENDMENTS

DATE

ISSUE



### LEGEND:

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED BY LANDPARTNERS DATED 17/09/21.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300x x 2250 UNO)
- FD, SUSPENDED FLOOR DRAIN
- PROPOSED ON-GRADE DRAINAGE LINE
- PROPOSED SUSPENDED DRAINAGE LINE
- EXISTING DRAINAGE LINE
- ROOFWATER DOWNPIPE (INDICATIVE)
- ROOFWATER LINE
- OVERLAND FLOW DIRECTION
- FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- FLOOD CONVEYANCE SURFACE

### STORMWATER DRAINAGE NOTES:

- ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500.3 PLUMBING AND DRAINAGE, PART 3: STORMWATER DRAINAGE.
- THE MINOR (PIPED) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 20 YEAR ARI STORM EVENT AND THE MAJOR (OVERLAND) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 100 YEAR ARI STORM EVENT.
- ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLANS C013924.01-SSDA50.
- PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE PROVIDED ON PLAN.
- EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
- ALL STORMWATER PIPES Ø375 OR GREATER SHALL BE CLASS 2 (WITH HS2 SUPPORT) REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
- ALL PIPES UP TO AND INCLUDING Ø300 TO BE uPVC GRADE SN8 UNO.
- PIPE CLASS NOMINATED ARE FOR IN-SERVICE LOADING CONDITIONS ONLY. CONTRACTOR IS TO MAKE ANY NECESSARY ADJUSTMENTS REQUIRED FOR CONSTRUCTION CONDITIONS.
- ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTERED IN WALL AND BASE. LAP MINIMUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE F'c=25 MPa. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
- IN ADDITION TO ITEM 9 ABOVE, ALL CONCRETE PITS GREATER THAN 3000mm DEEP SHALL HAVE WALLS AND BASE THICKNESS INCREASED TO 200mm.
- PIPES SHALL BE LAID AS PER PIPE LAYING DETAILS. PARTICULAR CARE SHALL BE TAKEN TO ENSURE THAT THE PIPE IS FULLY AND EVENLY SUPPORTED. RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMPING DETAILS.
- CONCRETE PIPES UNDER, OR WITHIN THE ZONE OF INFLUENCE OF PAVED AREAS SHALL BE LAID USING HS2 TYPE SUPPORT, AS A MINIMUM, IN ACCORDANCE WITH AS 3725. AGGREGATE BACKFILL SHALL NOT BE USED FOR PIPE BEDDING AND OR HAUNCH/SIDE SUPPORT.
- WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED Ø100 uPVC TO EACH SIDE OF PIPE.
- ALL SUBSOIL DRAINAGE LINES SHALL BE Ø100 SLOTTED uPVC WITH APPROVED FILTER WRAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR 1 IN 200 MINIMUM. PROVIDE CAPPED CLEANING EYE (RODDING POINT) AT UPSTREAM END OF LINE AND AT 30m MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT/ LANDSCAPED INTERFACES, TO REAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
- WHERE SUBSOIL DRAINAGE PASSES UNDER A PAVEMENT OR A SLAB, UNSLOTTED UPVC ARE TO BE PROVIDED UNLESS NOTED OTHERWISE.
- ALL PIPE GRADES 1 IN 200 MINIMUM UNO.
- PROVIDE STEP IRONS IN PITS DEEPER THAN 1000mm.
- MIN. 600 COVER TO PIPE OBVERT BENEATH ROADS & MIN. 400 COVER BENEATH LANDSCAPED AND PEDESTRIAN AREAS.
- PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D 'HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' U.N.O.
- PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
- DOWN PIPES (DP) TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE U.N.O. ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL.
- PIPE LENGTHS NOMINATED ON PLAN OR LONGSECTIONS ARE MEASURED FROM CENTER OF PITS TO THE NEAREST 0.5m AND DO NOT REPRESENT ACTUAL LENGTH. THE CONTRACTOR IS TO ALLOW FOR THIS.
- WHERE CONNECTION TO EXISTING INGROUND DRAINAGE SYSTEMS, OPEN SWALES, CHANNELS OR ANY OTHER EXISTING SYSTEM, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND INVERT ON SITE AT THE BEGINNING OF THE CONSTRUCTION PERIOD. REFER ANY VARIANCE FROM DOCUMENTATION OR SURVEYS TO THE ENGINEER FOR CLARIFICATION.

### NOTES:

A FLOOR LEVEL RANGE OF RL 3.8 TO RL 4.5 IS CONSIDERED NECESSARY FOR FUTURE DETAIL DESIGN CONSIDERATIONS INCLUDING BULK EARTHWORKS, DRAINAGE CONDITIONS FINAL BUILDING LAYOUTS AND OTHER FACTORS.

### LEVELS NOTE:

LEVELS SHOWN TO BE ±500mm FROM THOSE SHOWN. FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

RAINWATER TANK VOLUME, ROOF CATCHMENT AND REUSE REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN.

SUSPENDED HARDSTAND TO DRAIN VIA FLOOR DRAINS AND SUSPENDED PIPEWORK TO NEAREST COLUMN. DISCHARGE TO NEAREST IN-GROUND DRAINAGE. FLOOR DRAIN, DROPPER AND CONNECTION LOCATION TO BE CONFIRMED AT DETAILED DESIGN.

STORMWATER DRAINAGE PLAN  
SCALE 1:500

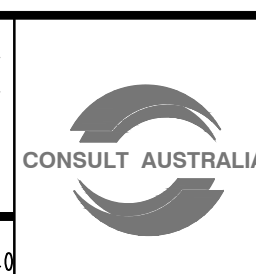
5m 0 10 20 30 40 50m  
SCALE 1:500 AT A1 SIZE SHEET

FOR INFORMATION

REVISED AS CLOUDED	30.01.24	F
REVISED AS CLOUDED	12.10.23	E
ISSUED FOR INFORMATION	12.04.23	D
PRELIMINARY ISSUE ONLY	05.12.22	C
PRELIMINARY ISSUE ONLY	02.12.22	B
PRELIMINARY ISSUE ONLY	18.11.22	A
AMENDMENTS	DATE	ISSUE



PROJECT	MOXON ROAD, MULTI LEVEL WAREHOUSE
45-57 MOXON ROAD, PUNCHBOWL	
NSW, 2196	
DESIGNED	DS
DRAWN	JW
DATE	OCT '22
CHECKED	DS
SIZE	A1
SCALE	AS SHOWN
CAD REF:	C013924.01-SSDA40



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DRAWING TITLE	STORMWATER DRAINAGE PLAN
DRAWING No	C013924.01-SSDA40
ISSUE	F



Department of Planning,  
Housing and Infrastructure

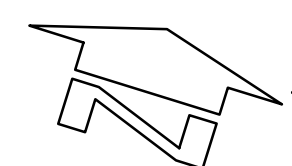
Issued under the Environmental Planning and Assessment Act 1979

Approved application number: SSD-55266460

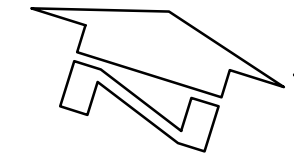
Granted on: 19 July 2024

Signed: JF Sheet number: 6 of 10





PRE-DEVELOPMENT CATCHMENT PLAN  
SCALE 1:750



# POST-DEVELOPMENT CATCHMENT PLAN

## SCALE 1:750

$$Q_{20} = 978.0 \text{ L/s}$$






Signed: JF      Sheet number: 7 of 10

$$Q_{20} = 957.9 \text{ L/s}$$

- PRE-DEVELOPMENT IMPERVIOUS AREA
- PRE-DEVELOPMENT PERVIOUS AREA
- POST-DEVELOPMENT IMPERVIOUS AREA
- POST-DEVELOPMENT PERVIOUS AREA



## FOR INFORMATION

<div> <div> <div>ISSUED FOR INFORMATION</div> <div>12.04.23</div> <div>A</div> </div> <div> <div>AMENDMENTS</div> <div>DATE</div> <div>ISSUE</div> </div> </div>				<div> <div>ARCHITECT</div> <div>  </div> </div>		<div> <div>CLIENT</div> <div>  </div> </div>		<div> <div>PROJECT</div> <div> MOXON ROAD, MULTI LEVEL WAREHOUSE  45-57 MOXON ROAD, PUNCHBOWL  NSW, 2196 </div> </div>		<div> <div>CONSULT AUSTRALIA</div> <div>  </div> </div>		<div> <div>Costin Roe Consulting Pty Ltd.</div> <div> ABN 50 003 696 446   PO Box N419 Sydney NSW 1220  Level 4, 8 Windmill Street, Millers Point NSW 2000  t: +61 2 9251 7699 f: +61 2 9241 3731  e: mail@costinroe.com.au w: costinroe.com.au </div> </div>		<div> <div>CRC</div> <div>  </div> </div>		<div> <div>DRAWING TITLE</div> <div>PRE/POST DEVELOPMENT CATCHMENT PLAN</div> </div>		<div> <div>DRAWING No</div> <div>C013924.01-SSDA42</div> </div>		<div> <div>ISSUE</div> <div>A</div> </div>	
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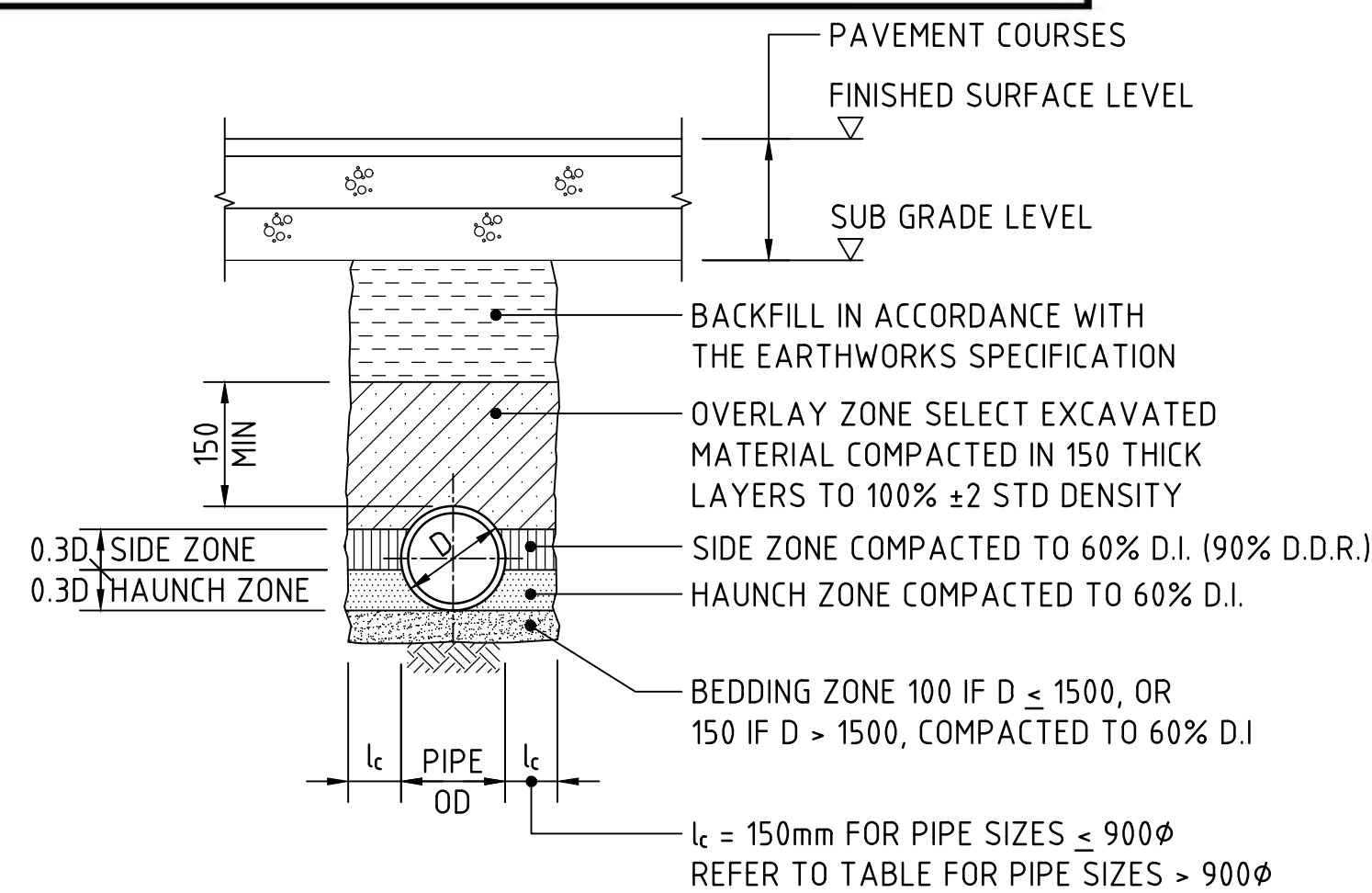


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Approved application number: SSD-55266460

Granted on: 19 July 2024

Signed: JF      Sheet number: 8 of 10



## TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

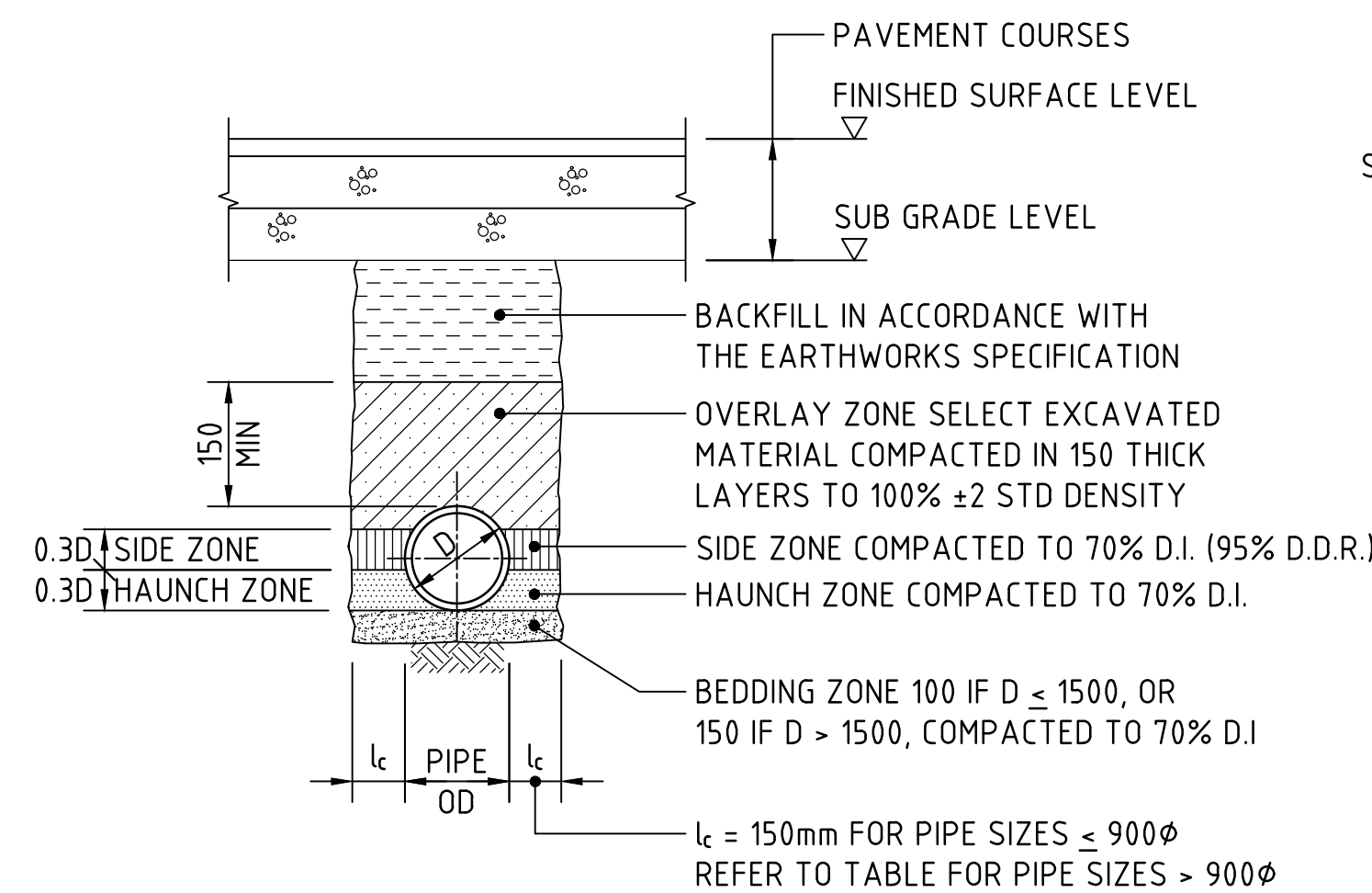
SCALE 1:20

D ≤ 1350, MAX FILL = 4.0m

D > 1350, MAX FILL = 3.0m

BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE WIDTH	
PIPE SIZE (mm)	$l_c$ (mm)
$\leq 900\phi$	150
1050 $\phi$	175
1200 $\phi$	200
1350 $\phi$	225
1500 $\phi$	250
1650 $\phi$	275
1800 $\phi$	300
ENGINEER TO SPECIFY TRENCH WIDTHS FOR PIPE SIZES GREATER THAN 1800 $\phi$	



### TYPE HS3 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

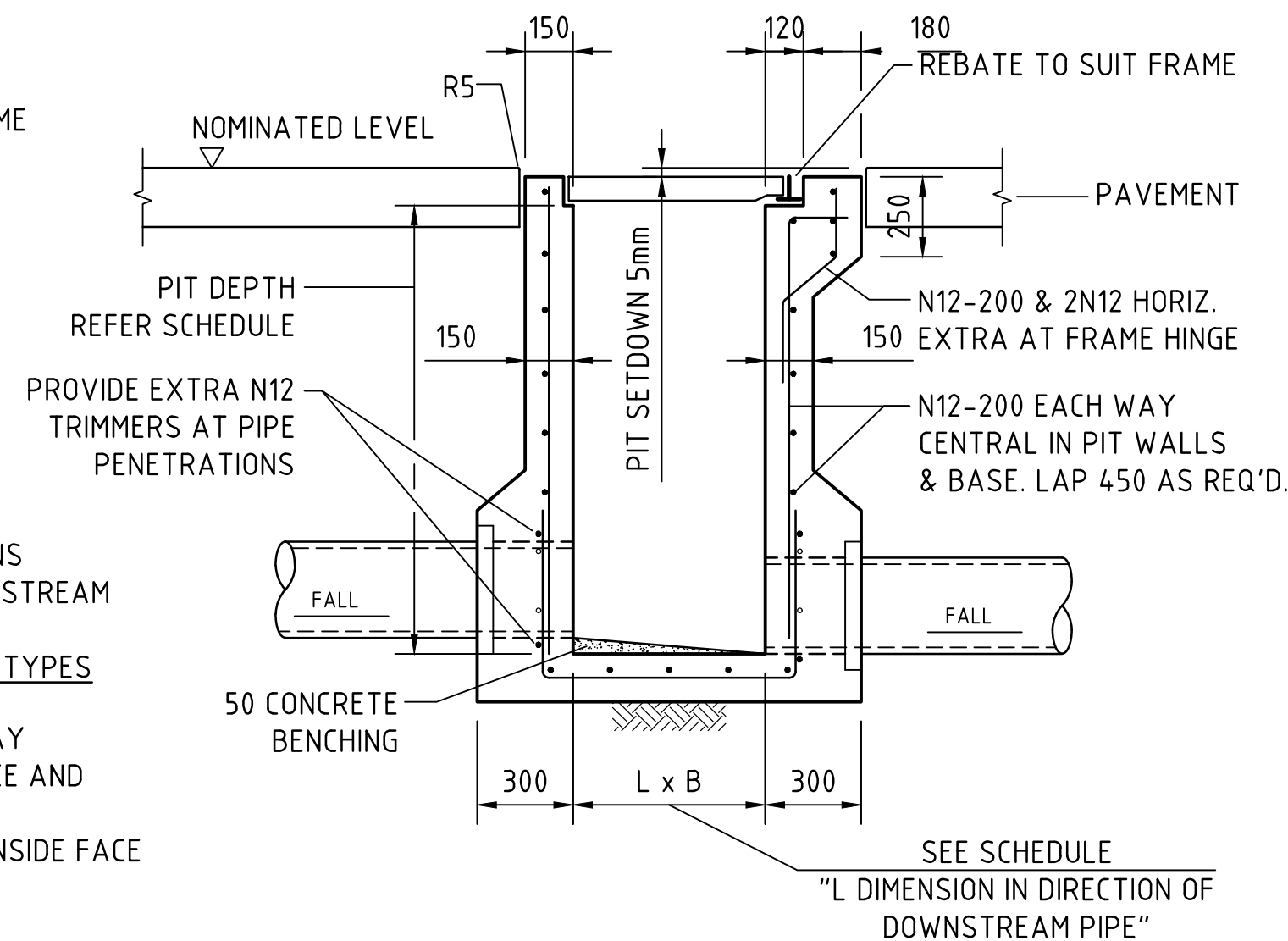
SCALE 1:20

D ≤ 1050, MAX FILL = 6.0m

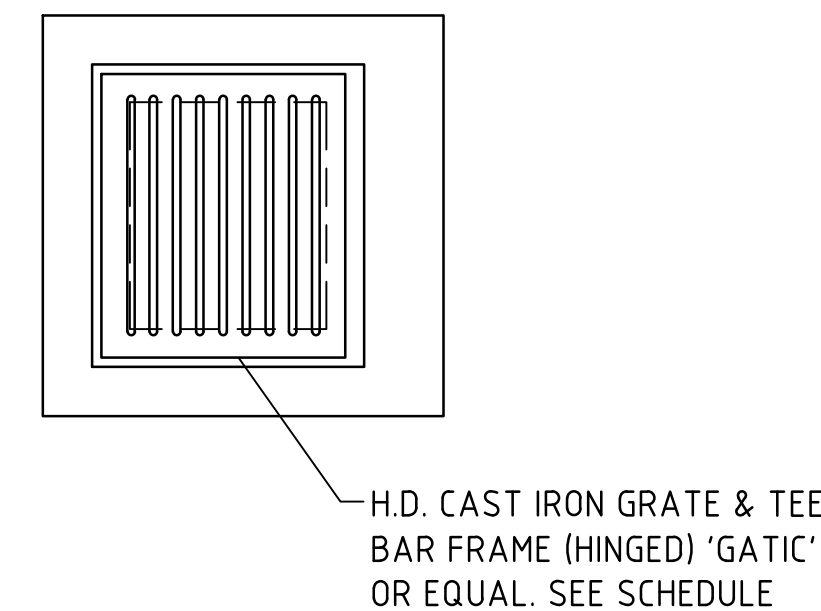
D > 1050, MAX FILL = 4.8m

SIDE ZONE MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.0	100
9.5	100 TO 50
2.6	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

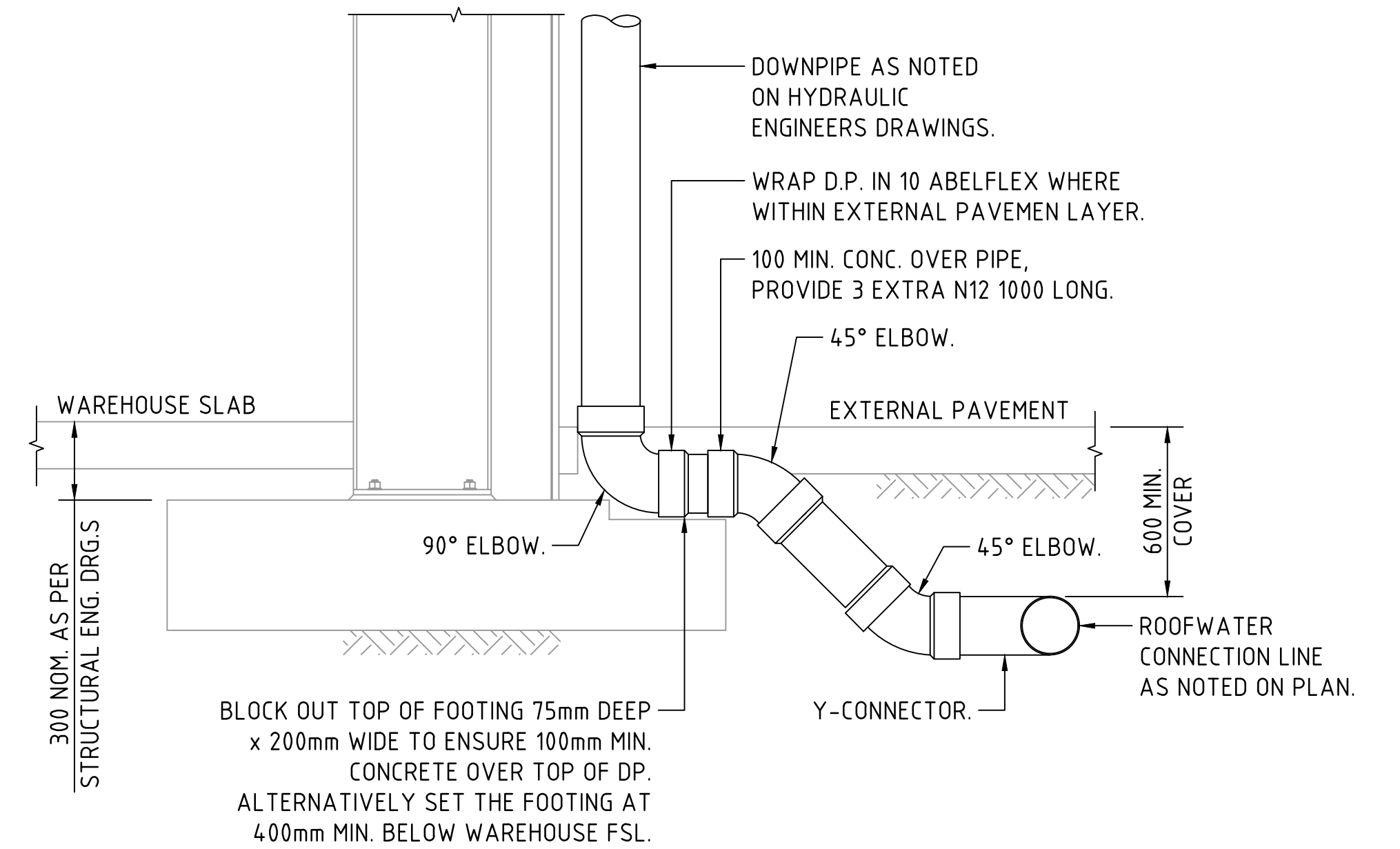
SELECT FILL MATERIAL IN ACCORDANCE WITH  
TABLE 1 AS 3725



### SINGLE GRATED GULLY PIT - SGGP



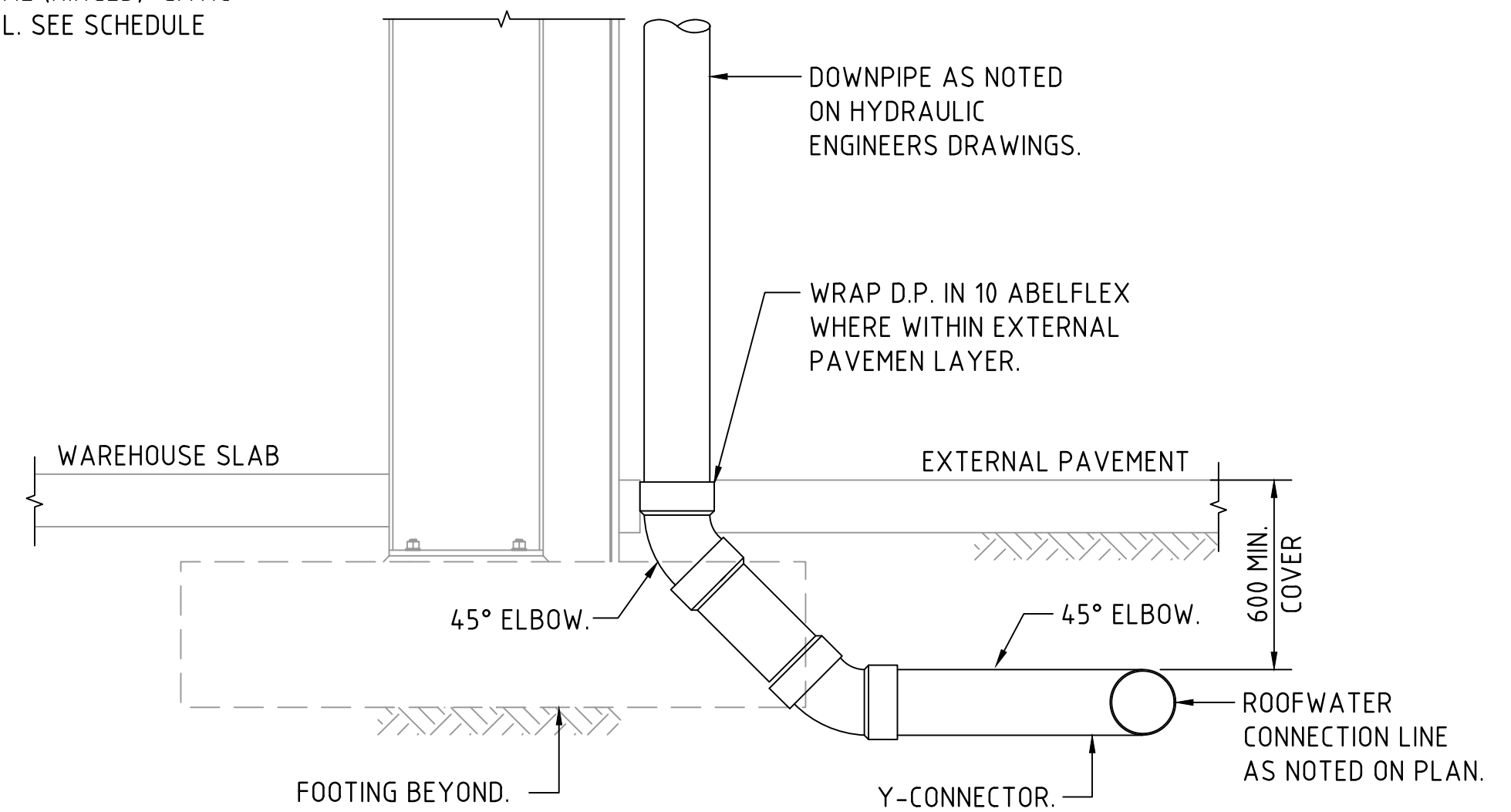
PLAN  
SCALE 1:20



DOWNPIPE TURN-UP DETAIL A

(AT FOOTING LOCATION)

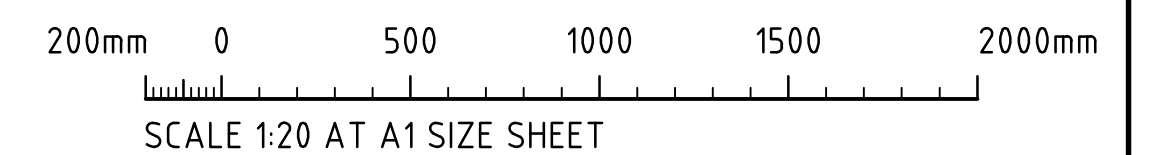
SCALE 1:20





DOWNPIPE TURN-UP DETAIL B

(CLEAR OF FOOTING)

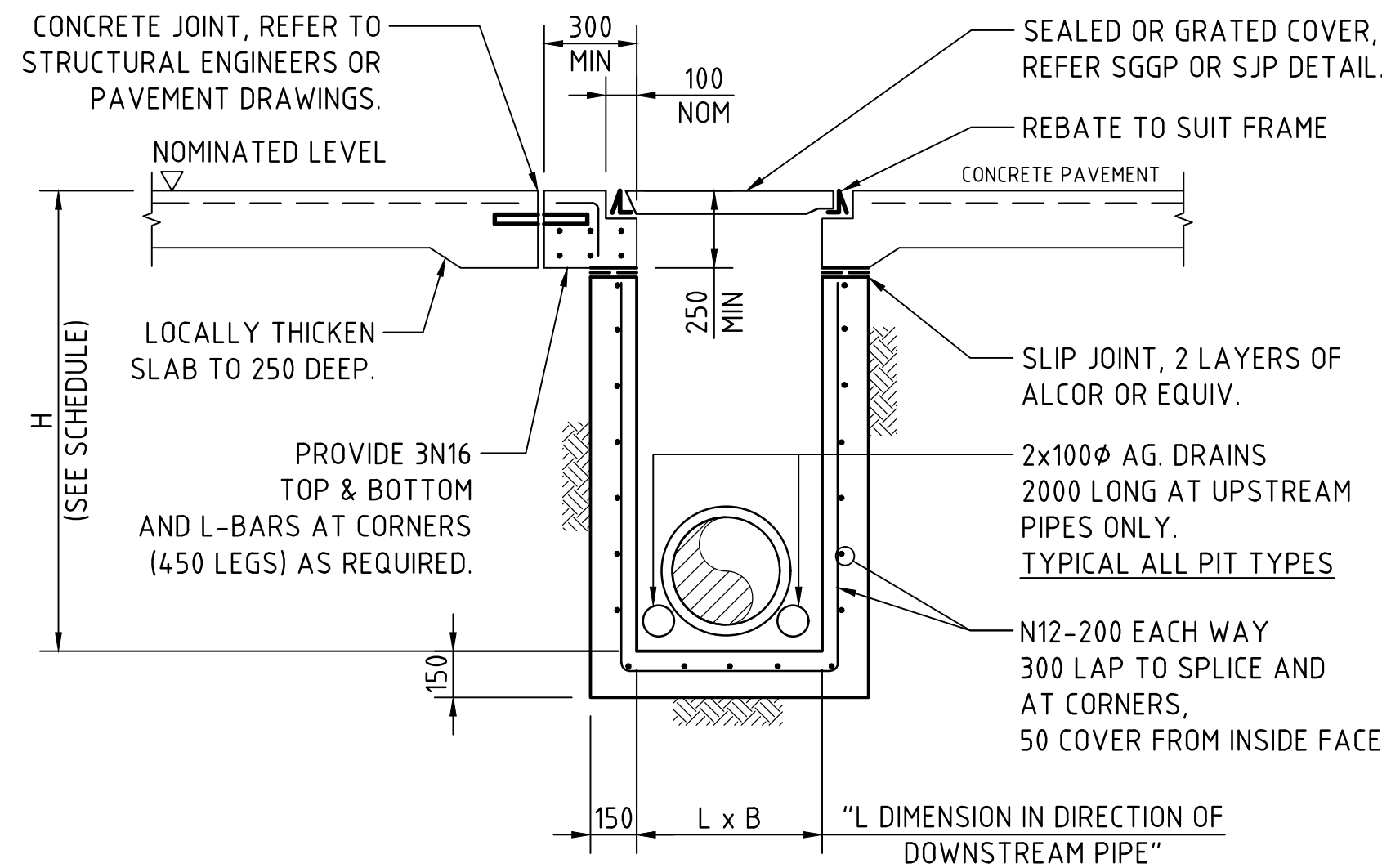
SCALE 1:20



## FOR INFORMATION

			ARCHITECT		CLIENT		PROJECT		CONSULT AUSTRALIA		<b>Costin Roe Consulting Pty Ltd.</b> ABN 50 003 696 446  PO Box N419 Sydney NSW 1220 Level 4, 8 Windmill Street, Millers Point NSW 2000 p: +61 2 9251 7699 f: +61 2 9241 3731 e: mail@costinroe.com.au w: costinroe.com.au		<b>CRC</b> <b>COSTIN ROE CONSULTING</b>		<b>CIVIL &amp; STRUCTURAL ENGINEERS</b>		DRAWING TITLE	
							MOXON ROAD, MULTI LEVEL WAREHOUSE 45-57 MOXON ROAD, PUNCHBOWL NSW, 2196										STORMWATER DRAINAGE DETAILS - SHEET 1	
ISSUED FOR INFORMATION			12.04.23	C			DESIGNED DS		DRAWN JW	DATE OCT '22	CHECKED DS	SIZE A1	SCALE AS SHOWN	CAD REF: C013924.01-SSDA45			DRAWING No	
PRELIMINARY ISSUE ONLY			05.12.22	B													C013924.01-SSDA45	
PRELIMINARY ISSUE ONLY			02.12.22	A													ISSUE	
AMENDMENTS			DATE	ISSUE													C	

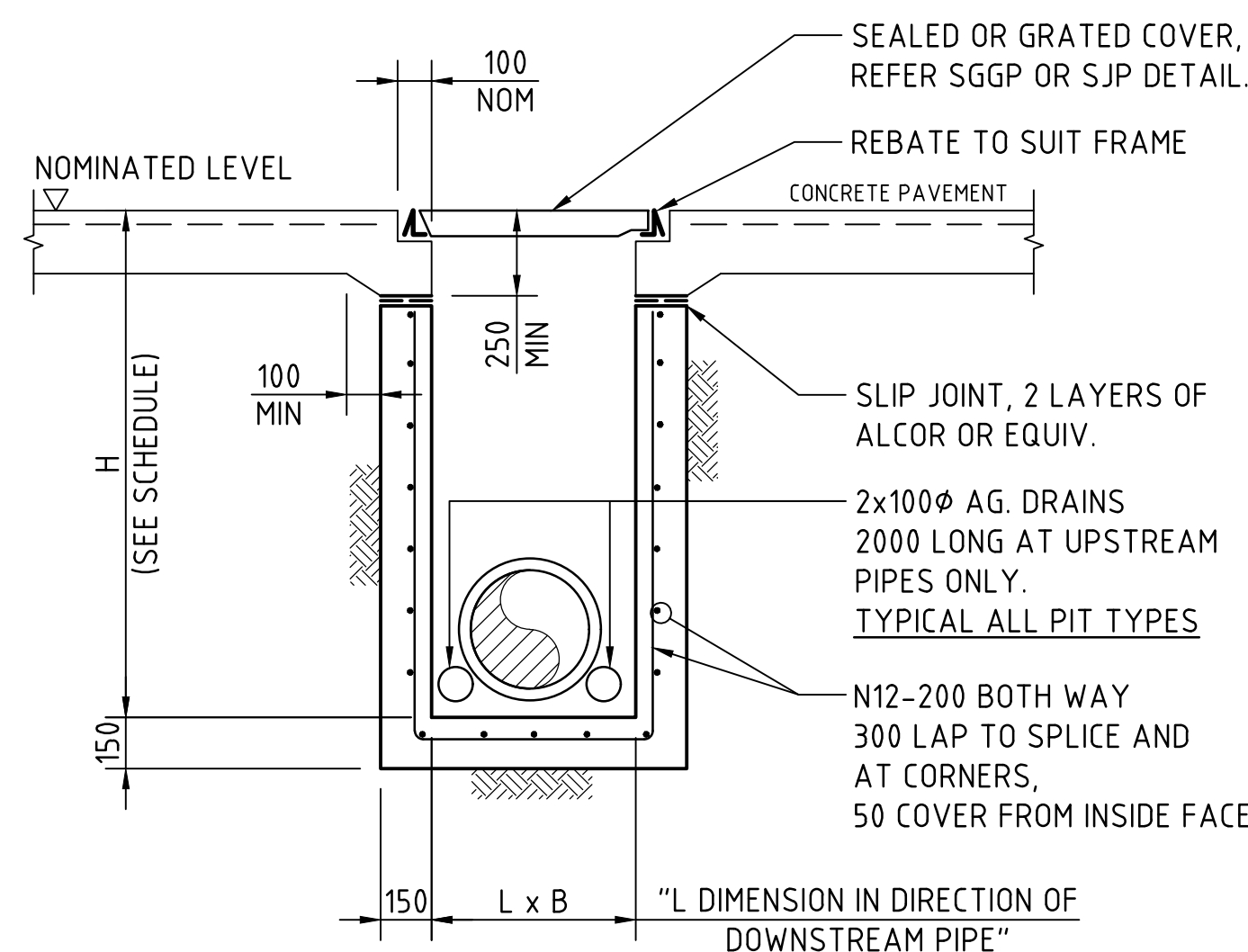




SECTION  
SCALE 1:20

### SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

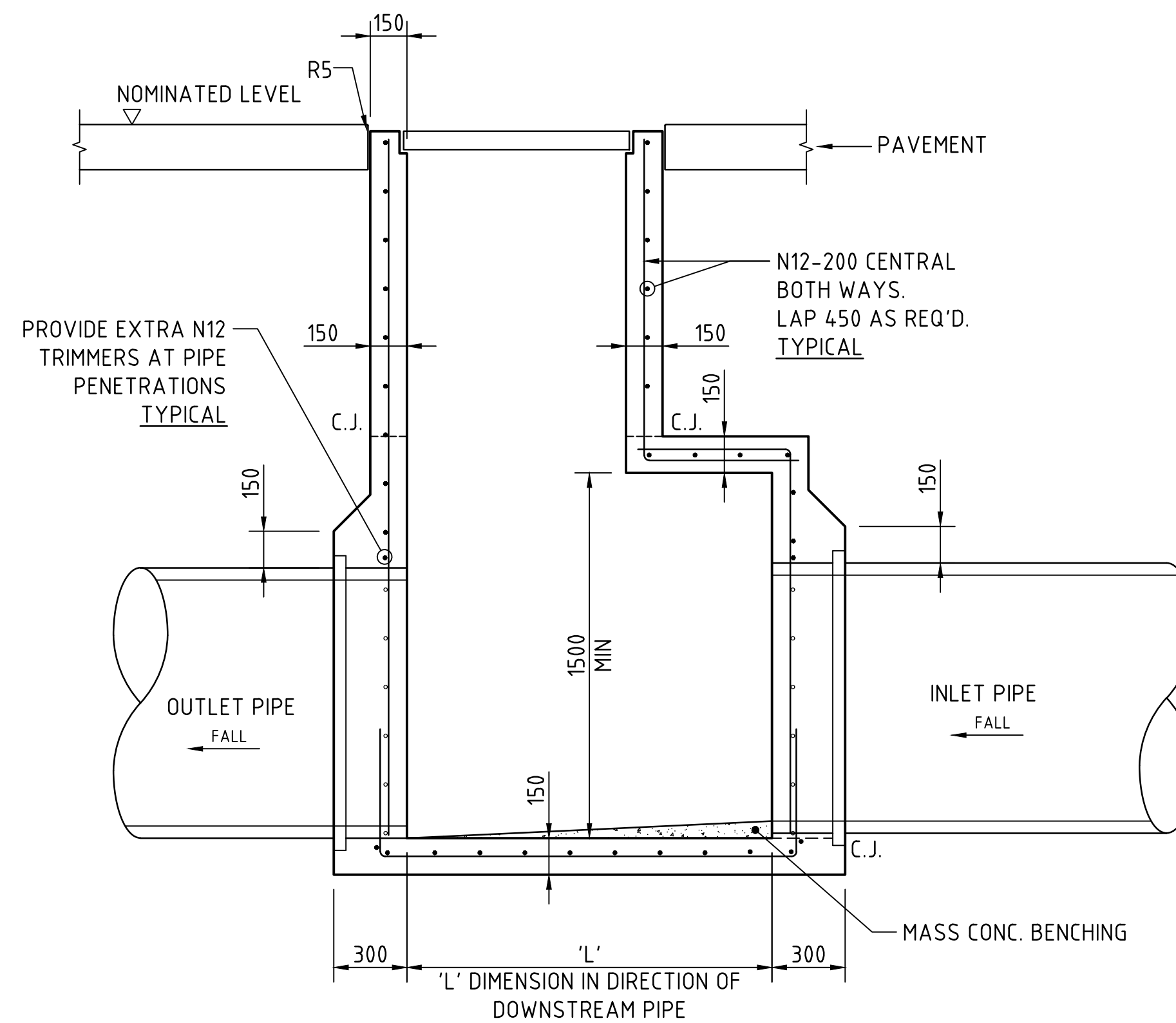
(ADOPT IN CONCRETE PAVEMENT FOR SGGP's & SJP's,  
WHERE PITS ARE LOCATED IN THE CORNER OF SLAB  
PANELS OR ADJACENT TO SLAB PANEL JOINTS)



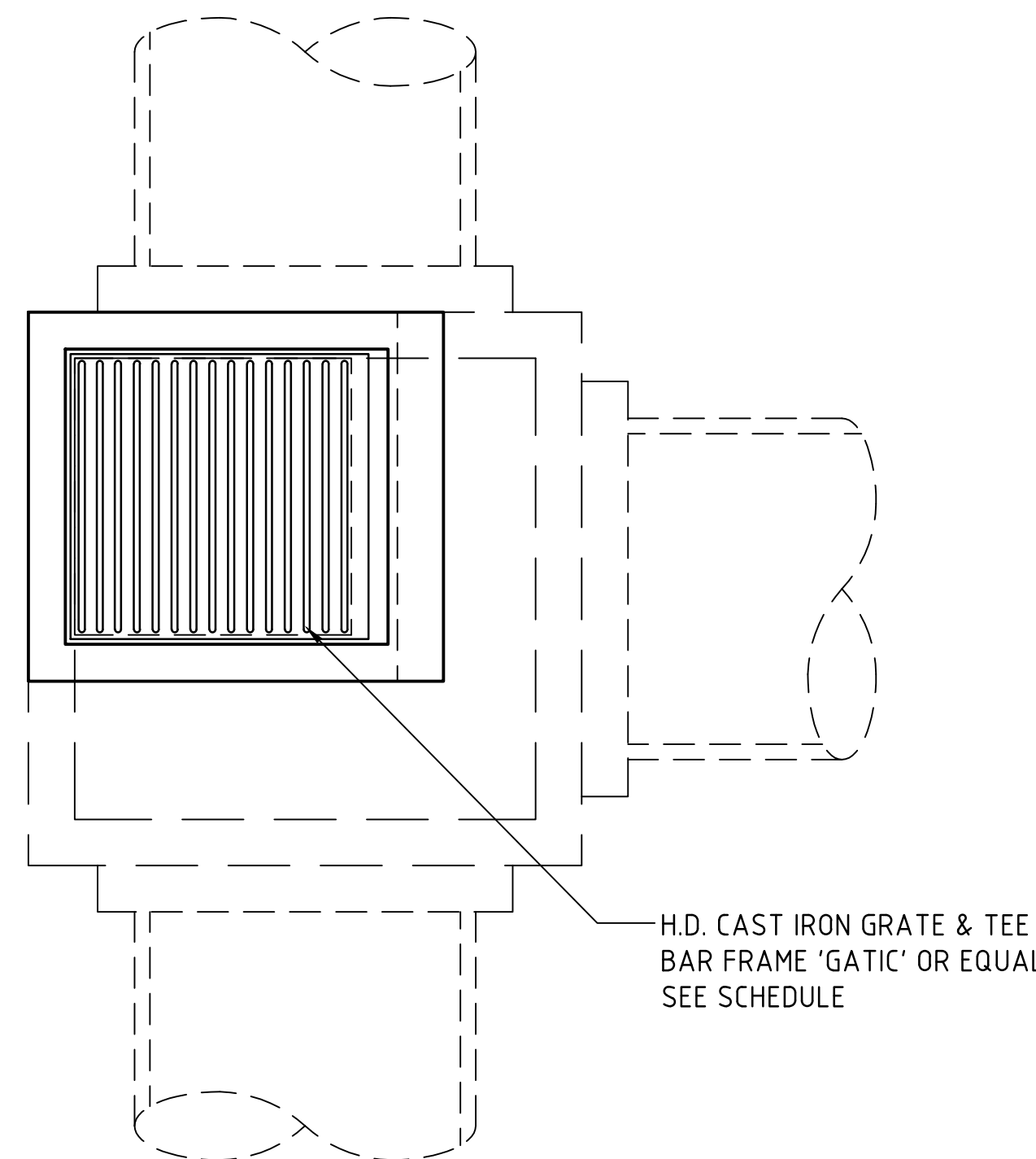
SECTION  
SCALE 1:20

### SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

(ADOPT IN CONCRETE PAVEMENTS FOR SGGP's & SJP's, WHERE  
JOINTS ARE NOT LOCATED WITHIN PROXIMITY OF THE GRATE)



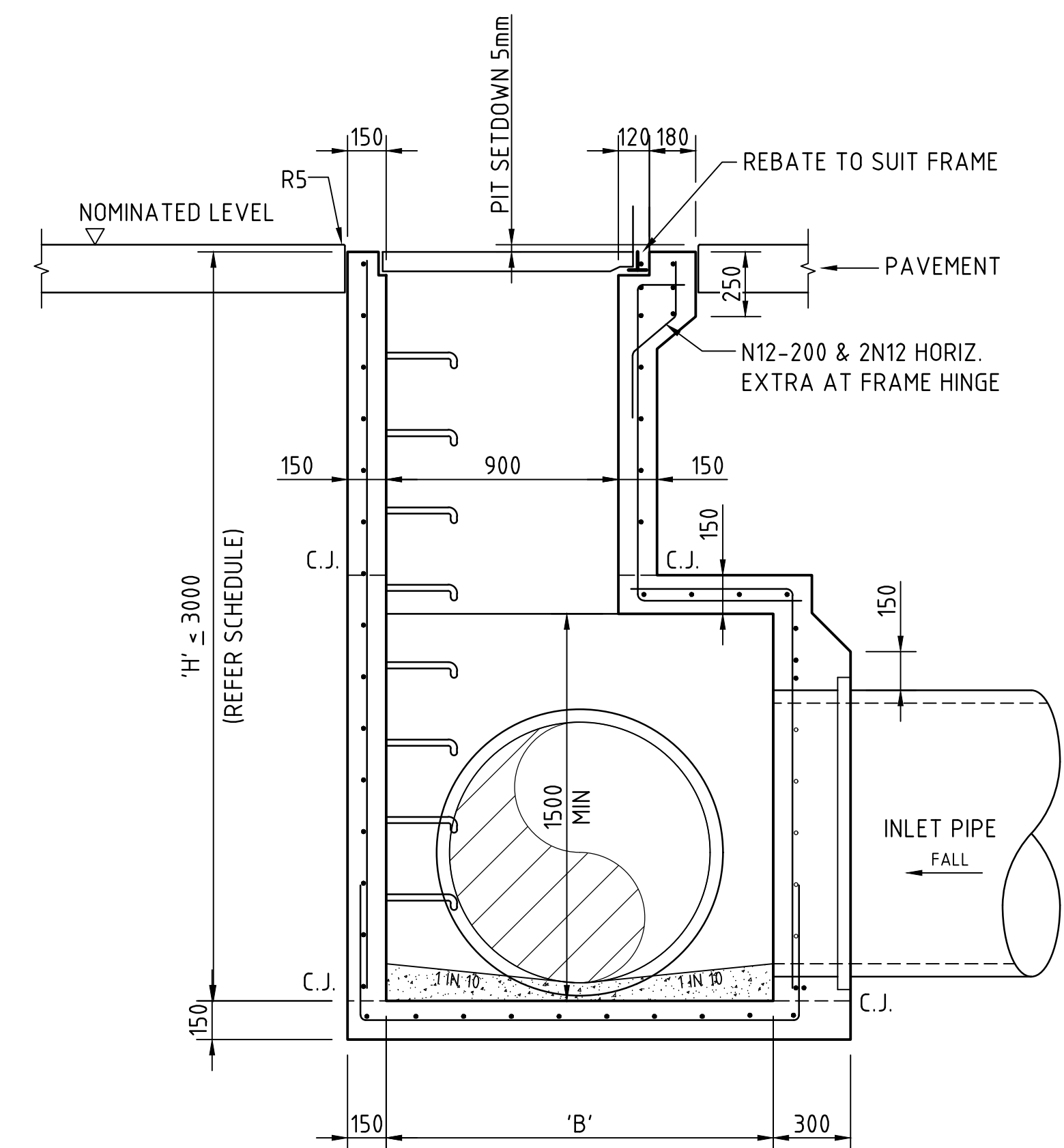
LONG SECTION  
SCALE 1:20



PLAN  
SCALE 1:20

### TAPERED SINGLE GRATED GULLY PIT - SGGP

SUBSOIL NOT SHOWN  
FOR CLARITY



CROSS SECTION  
SCALE 1:20



Department of Planning,  
Housing and Infrastructure

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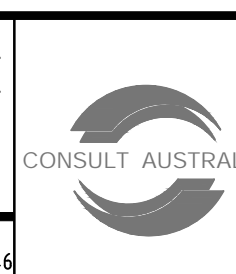
Signed: JF Sheet number: 9 of 10

200mm 0 500 1000 1500 2000mm  
SCALE 1:20 AT A1 SIZE SHEET

ISSUED FOR INFORMATION	12.04.23	B
PRELIMINARY ISSUE ONLY	02.12.22	A
AMENDMENTS	DATE	ISSUE



PROJECT	MOXON ROAD, MULTI LEVEL WAREHOUSE
DESIGNED	DS
DRAWN	JW
DATE	OCT '22
CHECKED	DS
SIZE	A1
SCALE	AS SHOWN
CAD REF:	C013924.01-SSDA46



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DRAWING TITLE	STORMWATER DRAINAGE DETAILS - SHEET 2
DRAWING No	C013924.01-SSDA46
ISSUE	B



### LEGEND:

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED BY LANDPARTNERS DATED 17/09/21.

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- FD, SUSPENDED FLOOR DRAIN
- 50.00 - FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- 50.00 - FINISHED PAVEMENT CONTOUR UNDER SUSPENDED (MAJOR) 0.5m INTERVALS
- 50.10 - FINISHED PAVEMENT CONTOUR UNDER SUSPENDED (MINOR) 0.1m INTERVALS
- DENOTES SUSPENDED GROUND FLOOR SLAB
- DENOTES ON-GRADE GROUND FLOOR SLAB



Department of Planning  
Housing and Infrastructure

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Granted on: 19 July 2024

Signed: JF Sheet number: 10 of 10

### FINISHED LEVELS PLAN NOTES:

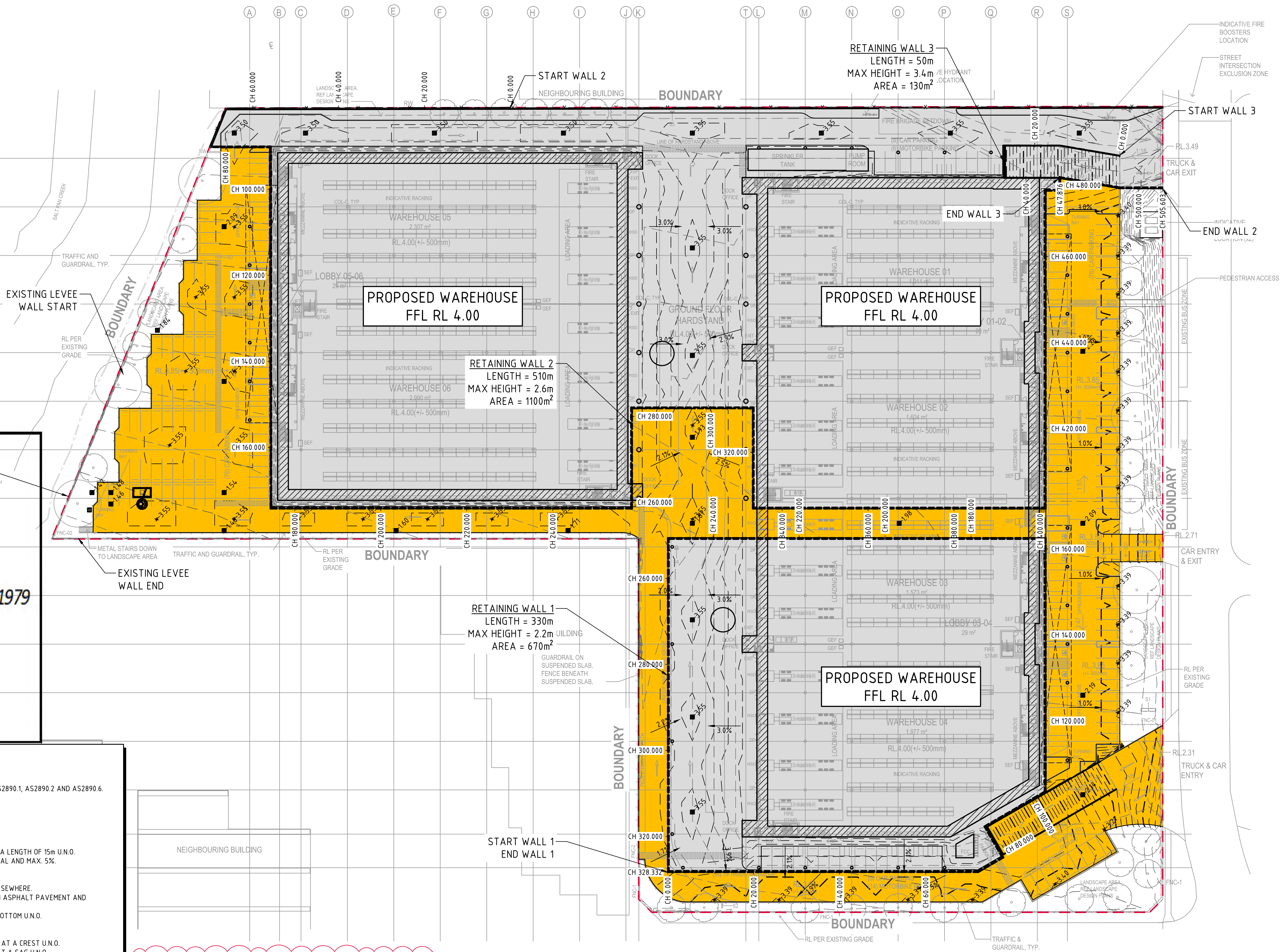
- LEVELS DATUM IS AUSTRALIAN HEIGHT DATUM (A.H.D.).
- GRADING REQUIREMENTS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS2890.1, AS2890.2 AND AS2890.6.
- ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED PAVEMENT LEVELS U.N.O. ON PLAN.
- CONTOUR INTERVALS
  - THE MINOR CONTOUR INTERVAL IS 0.1m.
  - THE MAJOR CONTOUR INTERVAL IS 0.5m.
- HARDSTAND GRADING
  - MINIMUM PAVEMENT GRADE IS TO BE 1:100 (1%).
  - GRADING OF ON-GRADE DOCKS TO BE 1:100 (1%) FALL AWAY FROM THE DOCK FACE FOR A LENGTH OF 15m U.N.O.
  - GRADING OF TRUCK CIRCULATION ZONES TO BE MINIMUM AS NOTED ABOVE, 3-4% NOMINAL AND MAX. 5%.
- CAR PARKING AREA GRADES
  - MINIMUM PAVEMENT GRADE IS TO BE 1:100 (1%), DESIRABLE MINIMUM GRADE 1:50 (2%).
  - MAXIMUM PAVEMENT GRADE IS TO BE 1:20 (5%) IN CARPARKING AREAS AND 1:25 (4%) ELSEWHERE.
  - DISABLED ACCESS PARKING ZONES AND SHARED SPACE TO BE MAXIMUM OF 1:33 (3%) IN ASPHALT PAVEMENT AND MAXIMUM OF 1:40 (2.5%) IN CONCRETE PAVEMENT.
  - CARPARK RAMP GRADES TO BE MAX 1:5 WITH 2.5m SMOOTH TRANSITION AT TOP AND BOTTOM U.N.O.
- TRUCK RAMP GRADES
  - MAXIMUM B+DOUBLE OR 19.0m AV RAMP GRADES ARE TO BE 1:8.3 (12%) U.N.O. ON PLAN.
  - PROVIDE MINIMUM 4.0m LONG TRANSITION WHERE CHANGES OF GRADE EXCEED 1:20 (5%) AT A CREST U.N.O.
  - PROVIDE MINIMUM 3.0m LONG TRANSITION WHERE CHANGE OF GRADE EXCEED 1:20 (5%) AT A SAG U.N.O.
  - TRANSITIONS ARE TO PROVIDE A SMOOTH CONTINUOUS CIRCULAR AND TANGENTIAL CHANGE IN GRADE TO ENSURE NO SHARP OR ACUTE CHANGES IN GRADE ARE PRESENT.
- WHERE FIRE BRIGADE ACCESS IS REQUIRED, MAXIMUM RAMP GRADIENTS ARE TO BE 1:6 (16.6%), DESIRABLE RAMP GRADIENTS ARE TO BE 1:8 (12.5%) WITH 7m TRANSITION TOP AND BOTTOM U.N.O. ON PLAN.
- PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1V:3H U.N.O. BASED ON GEOTECHNICAL ASSESSMENT. PROVIDE MINIMUM 0.5m BERM BETWEEN THE BACK OF KERB OR PAVEMENT EDGES AND THE TOP OR TOE OF A BATTER.
- ALL BATTER SLOPE WITH GRADES AT OR EXCEEDING 1V:6H ARE TO BE TURFED IMMEDIATELY OR APPROPRIATE EROSION CONTROL IS TO BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.
- ALL FOOTPATHS ARE TO FALL AWAY FROM THE BUILDING AT 2.5% NOMINAL GRADE.
- ALL PAVEMENTS ARE TO BE SET AT 30mm BELOW THE FINISHED FLOOR LEVEL OF THE WAREHOUSE AND OFFICE AREAS. PROVIDE LOCAL FEATHERING AT DOORWAYS OR ROLLER SHUTTERS TO PROVIDE FLUSH FINISH AS REQUIRED.
- WHERE NEW AND EXISTING INTERFACING IS REQUIRED, MATCH EXISTING LEVELS AND PROVIDE SMOOTH INTERFACE BETWEEN NEW AND EXISTING GRADIENTS. REFER ANY CONCERNS TO THE ENGINEER.

### NOTES:

A FLOOR LEVEL RANGE OF RL 3.8 TO RL 4.5 IS CONSIDERED NECESSARY FOR FUTURE DETAIL DESIGN CONSIDERATIONS INCLUDING BULK EARTHWORKS, DRAINAGE CONDITIONS FINAL BUILDING LAYOUTS AND OTHER FACTORS.

### LEVELS NOTE:

LEVELS SHOWN TO BE  $\pm 500$ mm FROM THOSE SHOWN. FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS. ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.



FINISHED LEVELS PLAN  
SCALE 1:500

5m 0 10 20 30 40 50m  
SCALE 1:500 AT A1 SIZE SHEET

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PROJECT	MOXON ROAD, MULTI LEVEL WAREHOUSE
DESIGNED	DS
DRAWN	JW
DATE	OCT '22
CHECKED	DS
SIZE	A1
SCALE	AS SHOWN
CAD REF:	C013924.01-SSDA50



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DRAWING TITLE	FINISHED LEVELS PLAN
DRAWING No	C013924.01-SSDA50
ISSUE	F