

BASEMENT - STORMWATER DRAINAGE PLAN

SCALE 1:200

CONCEPT SUMMARY

THE PROPOSED DEVELOPMENT OF NO 990 HUNTER STREET, NEWCASTLE WEST INVOLVES THE DEMOLITION OF THE EXISTING BUILDINGS AND THE CONSTRUCTION OF A NEW HIGH-RISE MIXED USE BUILDING.

THE PHILOSOPHY OF STORMWATER MANAGEMENT ON SITE CAN BE SUMMARISED AS FOLLOWS:

- THE DEVELOPMENT WILL INCREASE THE IMPERVIOUS AREAS ON THE SITE TO 100%. AS SUCH, A NEW OSD TANK, DESIGNED IN ACCORDANCE WITH NCC GUIDELINES, WILL BE IMPLEMENTED TO MITIGATE PEAK FLOWS LEAVING THE SITE. THE OSD TANK WILL ALSO INCORPORATE A NEW SAND FILTER IN ORDER TO TREAT RUNOFF TO AN ACCEPTABLE LEVEL BEFORE IT LEAVES THE SITE. REFER BELOW FOR CALCULATIONS.
- RUNOFF FROM THE PROPOSED ROOF AND EXTERNAL COMMUNAL AREAS WILL BE COLLECTED IN A SERIES OF PITS AND PIPED TO THE NEW OSD TANK LOCATED IN THE BASEMENT CARPARK.
- OVERFLOW FROM THE OSD TANK WILL BE DIRECTED TO THE BASEMENT DRAINAGE NETWORK.
- A SERIES OF FLOOR WASTES WILL BE INSTALLED IN THE SUSPENDED CARPARK LEVELS TO COLLECT INDIRECT RUNOFF. THESE FLOOR WASTES WILL BE CONVEYED DIRECTLY TO THE BASEMENT DRAINAGE NETWORK.
- ALL RUNOFF CONVEYED TO THE BASEMENT NETWORK WILL BE CONECTED DIRECTLY TO THE EXISTING 300mm DIAM. STORMWATER DRAINAGE LINE LOCATED IN THE EASTERN PORTION OF THE SITE. FLOWS DIRECTED TO THE EXISTING NETWORK WILL BE LESS THAN THE EXISTING DISCHARGE FROM THE SITE DUE TO THE INTRODUCTION OF THE OSD TANK.

A FLOODING CERTIFICATE WAS ALSO OBTAINED FROM COUNCIL FOR THE SUBJECT SITE. THE FLOODING CERTIFICATE IDENTIFIED THAT THE Q100 = 2.80m AHD AND THE PMF = 5.80m AHD. AS SUCH, THE DEVELOPMENT WAS DESIGNED SO THAT:

- THE ENTRY TO THE BUILDING WAS ABOVE THE PMF,
- THE BASEMENT CARPARK HAD A MAXIMUM OF 300mm OF PONDING DURING THE Q100, AND
- THE INVERT OF THE OSD/STORAGE TANK WAS ABOVE THE Q100.

STORMWATER CALCULATIONS

SITE AREAS = 1,052 m²
% IMPERVIOUS = 100%
IN ACCORDANCE WITH NCC GUIDELINES
VOLUME RETENTION REQUIRE / IMPERVIOUS m² = 25 mm
TOTAL RETENTION VOLUME REQUIRED = 1,052 x 0.025 = 26.3 m³
SAND FILTER 0.8m²/100m² = 0.8 x 10.52 = 8.42 m³

PRE - POST OSD VOLUME CALCULATION.

$Q_{100}^{PRE} = 1.2 \times 0.9 \times 236 \times 1057$
= 68.96 L/S

TOTAL VOLUME OF RUNOFF DURING 100 YEARS 5 MIN. STORM EVENT

$V_{100}^{PRE} = 68.96 \times 5 \text{ MIN} \times 60$
= 20.7 m³

RETENTION/ STORAGE VOLUME AS PER NCC GUIDELINES MEET OSD REQUIREMENTS.

NOTE: RUNOFF TO DOWNSTREAM SYSTEM LESS THAN EXISTING RUNOFF. EXISTING SYSTEM WILL ADEQUATELY CONVEY NEW FLOWS.

REUSE CALCULATIONS

NO CLEAN ROOF WATER FOR INTERNAL REUSE, ALLOW ADDITIONAL STORAGE CAPACITY FOR IRRIGATION OF LANDSCAPING AREAS.
ADDITIONAL STORAGE = 26.3 - 20.7
= 5.6 m³

OSH VOLUME = 5.6 m³
OSD VOLUME = 21.4 m³
OSD SAND FILTER SA = 8.8 m³

LEGEND

- 5.00 — EXISTING CONTOUR
- RL 2.40 DESIGN SPOTLEVEL
- + 5.55 EXISTING SPOTLEVEL
- ☒ DENOTES NEW SURFACE INLET PIT, REFER TO PLAN FOR DETAILS
- NEW U.P.V.C. STORMWATER DRAINAGE PIPE (SIZE AS SHOWN ON PLAN) LAID AT 1.0% MIN. FALL (UNO) TO OUTLET IN ACCORDANCE WITH COUNCILS SPECIFICATIONS
- NEW CONCRETE ENCASED PIPE, (SIZE AS SHOWN ON PLAN) LAID AT 0.5% MIN. FALL (UNO) TO OUTLET IN ACCORDANCE WITH COUNCILS SPECIFICATIONS
- — — APPROXIMATE POSITION OF EXISTING STORMWATER DRAINAGE PIPE
- dp DENOTES DOWNPIPE
- DIRECTION OF SURFACE FALL
- BOUNDARY LINE
- / --- EXISTING FENCE
- EXISTING SEWER SERVICE
- EXISTING POWER POLE
- EXISTING GAS METER
- EXISTING TELECOMMUNICATIONS PIT
- EXISTING STOP VALVE
- EXISTING SEWER INSPECTION POINT
- EXISTING BOLLARD
- EXISTING TREE

NOTES

THE POSITION OF ALL EXISTING SERVICES SHOWN SHOULD BE REGARDED AS APPROXIMATE ONLY AND NOT NECESSARILY COMPREHENSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT SERVICE LOCATIONS AND INFORM ALL AUTHORITIES PRIOR TO ANY EXCAVATION.

DURING CONSTRUCTION, THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART OF THE STRUCTURE SHALL BE OVER-STRESSED. TEMPORARY STRUCTURES, FORMWORK, FALSEWORK, TEMPORARY BRACING, SHORING AND THE LIKE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

ALL HANDRAILS, IF REQUIRED, ARE TO ARCHITECT'S LOCATION AND DETAILS AND SHALL COMPLY WITH AS1684.

BENCHMARKS TO BE PROVIDED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

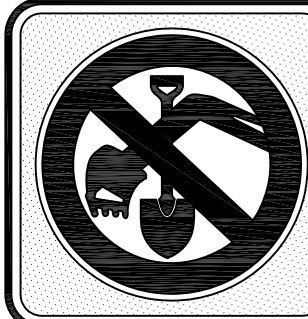
EXISTING CONTOURS ARE SHOWN AT 0.50m INTERVALS.

TREATMENT OF ALL EXPOSED / DISTURBED AREAS TO ARCHITECT'S DETAILS.

DETAIL OF LANDSCAPING IS TO TAKE INTO CONSIDERATION OVERLAND FLOW PATHS.

ALL FENCES ARE TO BE DETAILED WITH 100mm GAP UNDER OR TO BE NON SOLID FENCES TO ALLOW WATER FLOW.

WHERE SITE IS IN CUT ADJACENT TO SITE BOUNDARY, TOP OF RETAINING WALLS TO BE CONSTRUCTED FLUSH WITH EXISTING SURFACE OF NEIGHBORING PROPERTIES TO AVOID IMPOUNDING WATER ON NEIGHBORING PROPERTIES.



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C	18/08/16	M.B.	M.M.	M.M.	RE-ISSUED FOR DA	
B	07/04/16	M.M.	M.M.	M.M.	AMENDED FOR DA SUBMISSION	
A	03/03/16	S.Z.	M.M.	M.M.	ISSUED FOR DEVELOPMENT APPLICATION	
REV	DATE	DRN	CHK	APP	DRAWING STATUS	



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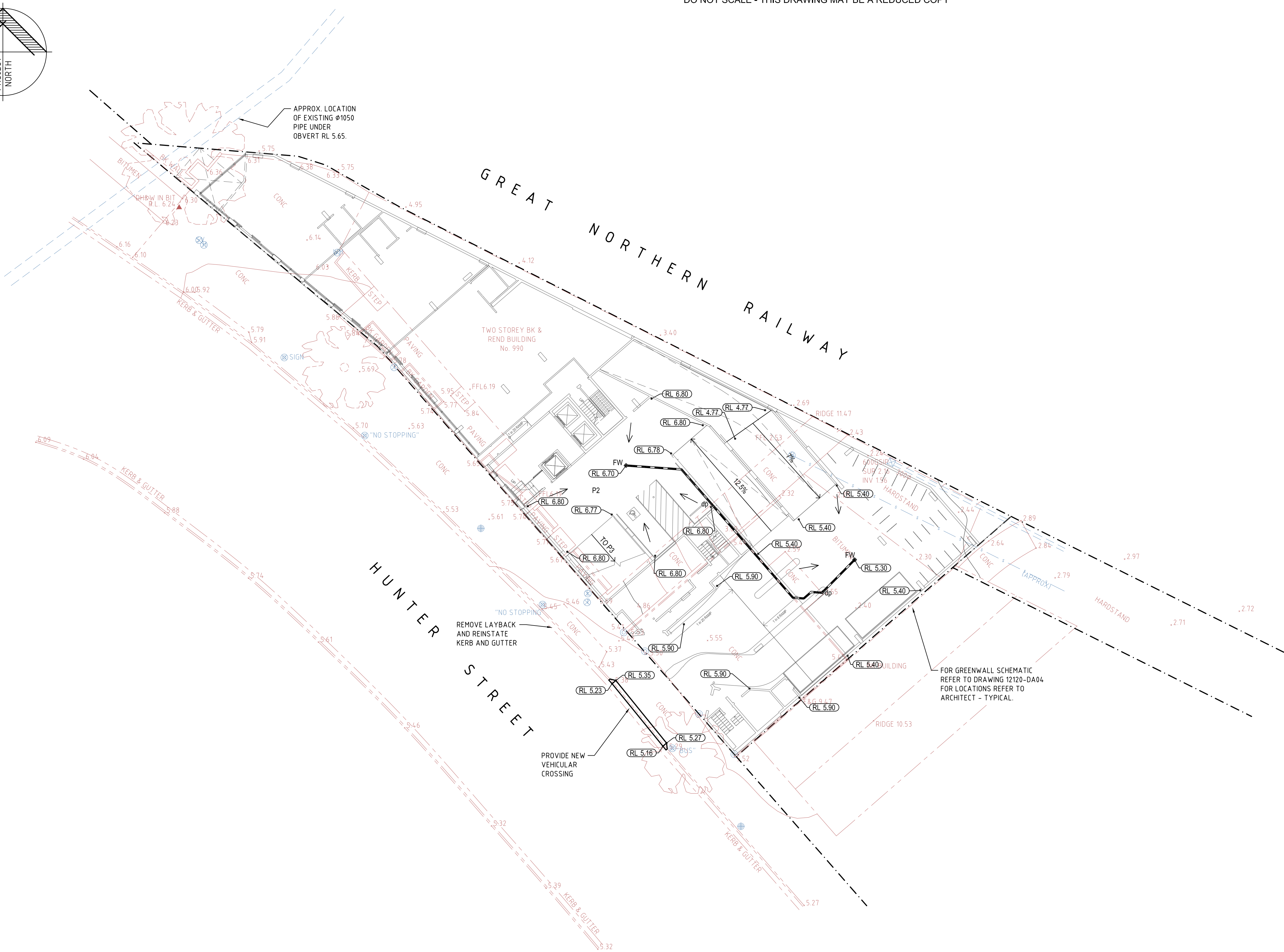
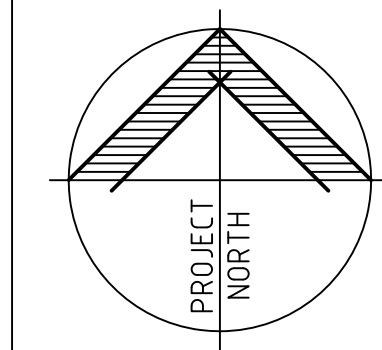
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CLIENT	BRANCOURT NOMINEES PTY LTD
TITLE	BASEMENT STORMWATER DRAINAGE PLAN

PROJECT	MIXED USE DEVELOPMENT 990 HUNTER STREET NEWCASTLE WEST, NSW
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DRAWING STATUS	DRAFT COPY	SHEET SIZE	A1
DRAFTSMAN	DESIGNER	PROJ MANAGER	SCALE
S.Z.	M.M.	M.M.	1:200
PROJECT REF No.	DRAWING No.	REVISION	
12120	DA01	D	



LEGEND

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- RL 5.40 DESIGN SPOTLEVEL
- 5.55 EXISTING SPOTLEVEL
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- NEW U.P.V.C. STORMWATER DRAINAGE PIPE LAID AT 1.0% MIN. FALL (UNO) TO OUTLET IN ACCORDANCE WITH COUNCILS SPECIFICATIONS
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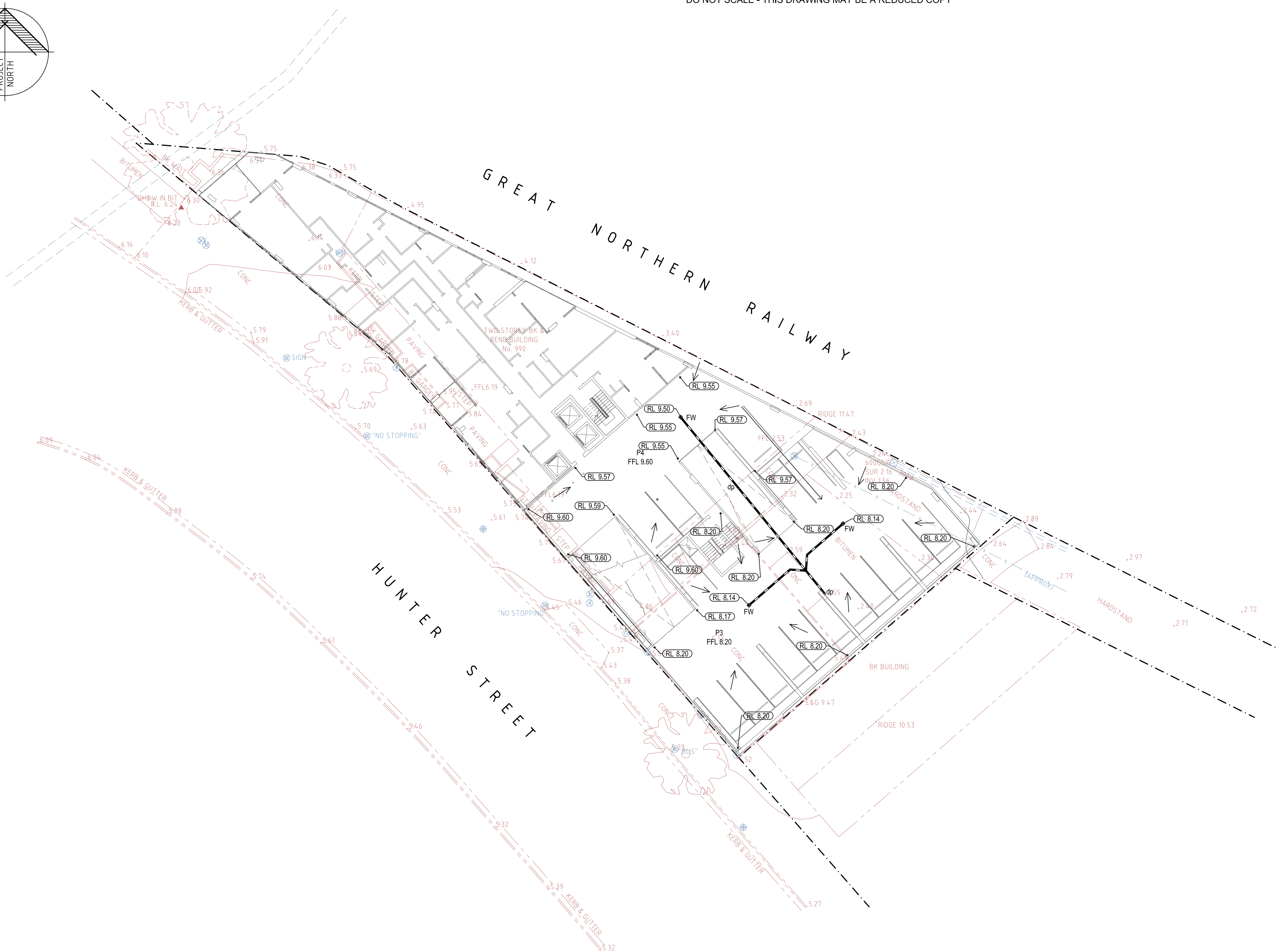


GROUND FLOOR - STORMWATER DRAINAGE PLAN

SCALE 1:200

NOT FOR CONSTRUCTION

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SCALE 1:200

REVISIONS						
	D	14/08/17	A.V.	M.M.	M.M.	RE-ISSUED FOR DA
	C	18/08/16	M.B.	M.M.	M.M.	RE-ISSUED FOR DA
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	A	03/03/16	S.Z.	M.M.	M.M.	ISSUED FOR DEVELOPMENT APPROVAL
	REV	DATE	DRN	CHK	APP	DRAWING STATUS

SUSTAINABLE
DEVELOPMENT

- ✓ ISO 9001 : 2008
- ✓ Endorsed
- ✓ Quality
- ✓ Management
- ✓ System



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S.Z.	M.M.	M.M.	1:200
PROJECT REF No.		DRAWING No.	REVISION
12120		DA03	D

NOT FOR CONSTRUCTION

NOMINAL INLET PIPE COLLECTING RUNOFF FROM ROOF AND EXTERNAL COMMUNAL AREAS

900 x 900 ACCESS HATCH

900 x 900 ACCESS HATCH

900 x 900 ACCESS GRATE

900 x 900 ACCESS HATCH (SEALED)

RL 3.90

OSH (VOL= 5.6m³)

OSD1 (OSD VOL = 21.4m³)

OSD2

TWL 3.70

1400 (x 4150)

2810 (x 4150)

2000 (x 4150)

900 (x 900)

RL 2.60

PROVIDE PUMP TO IRRIGATION & GREENWALLS. DETAILS AT CC STAGE.

400 DEEP 8m² SAND FILTER

45 U.P.V.C CONDUIT

100 AG PIPE WITH GEOTEXTILE SOCK

RL 2.20

RL 1.85

OVERFLOW WEIR RL 3.70

PROVIDE STEP IRONS IN ACCORDANCE WITH AS1657

PIT

300 OUTLET PIPE

NON-RETURN FLOW FLAP

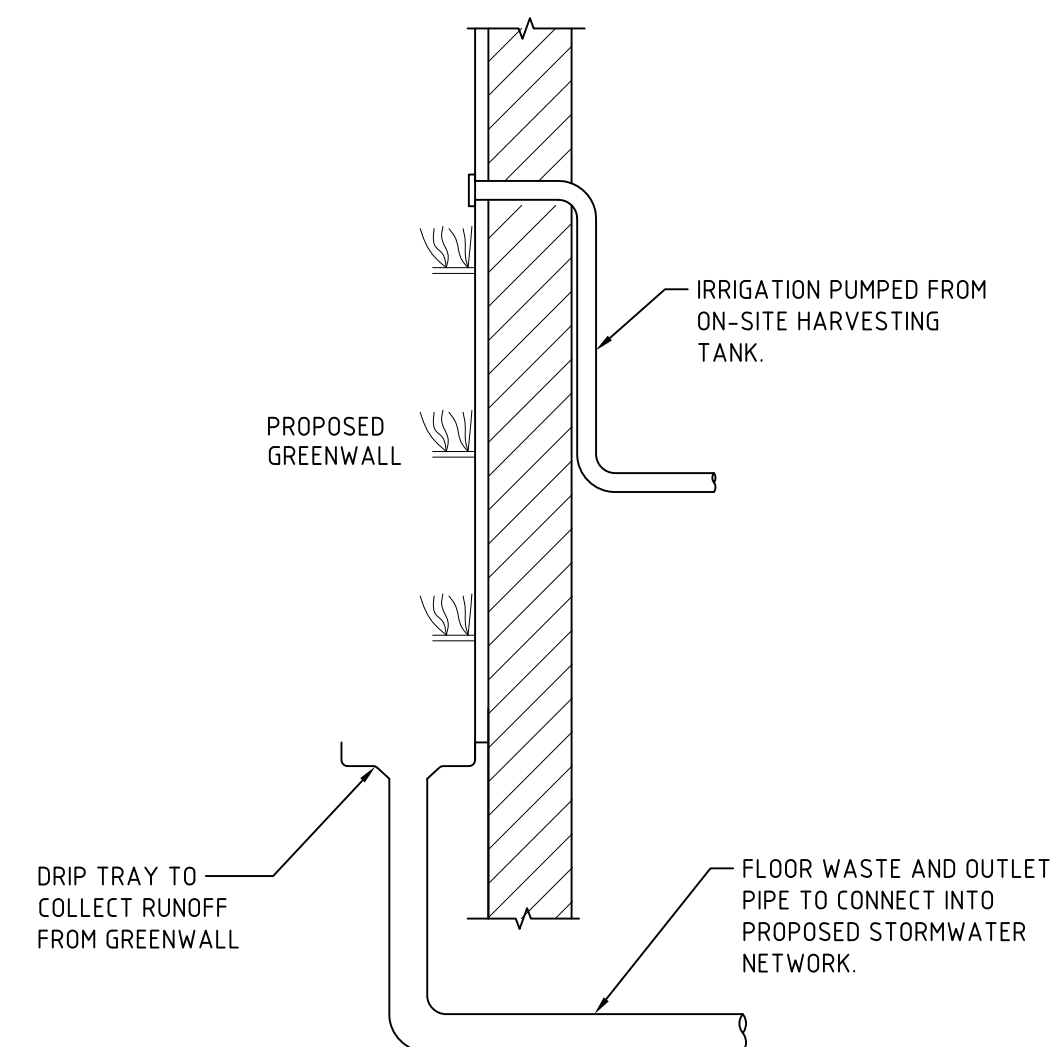
RL 4.77

RL 2.60

SECTION 1

SCALE 1:20

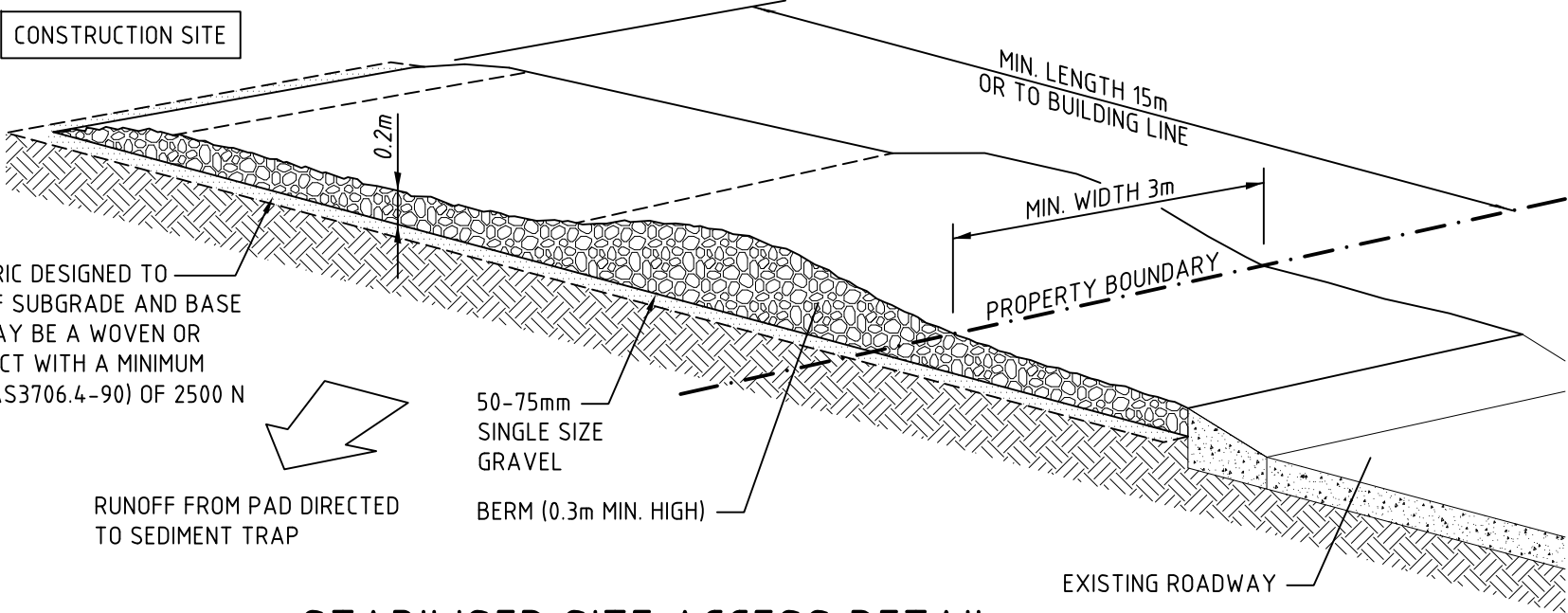
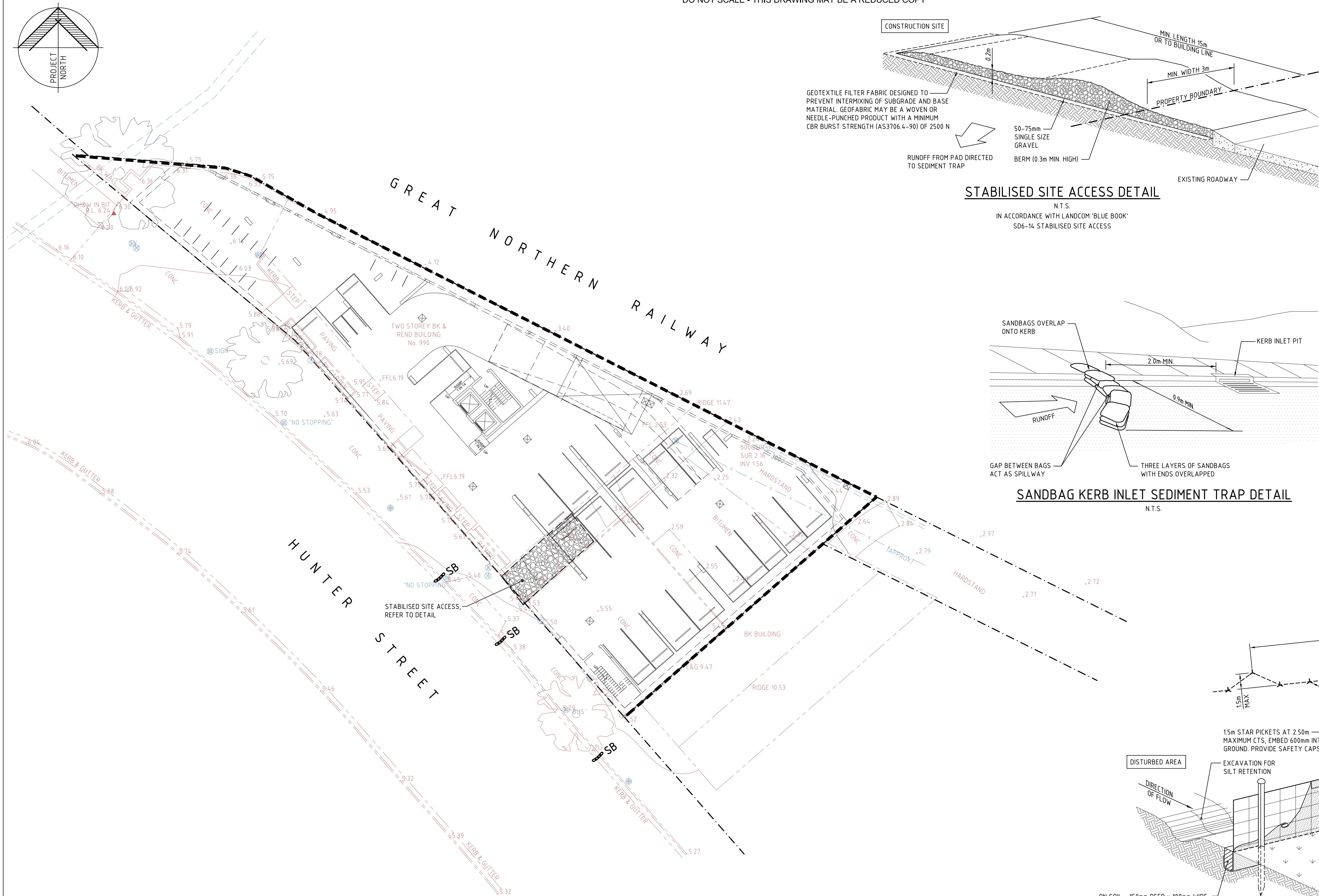
DA01



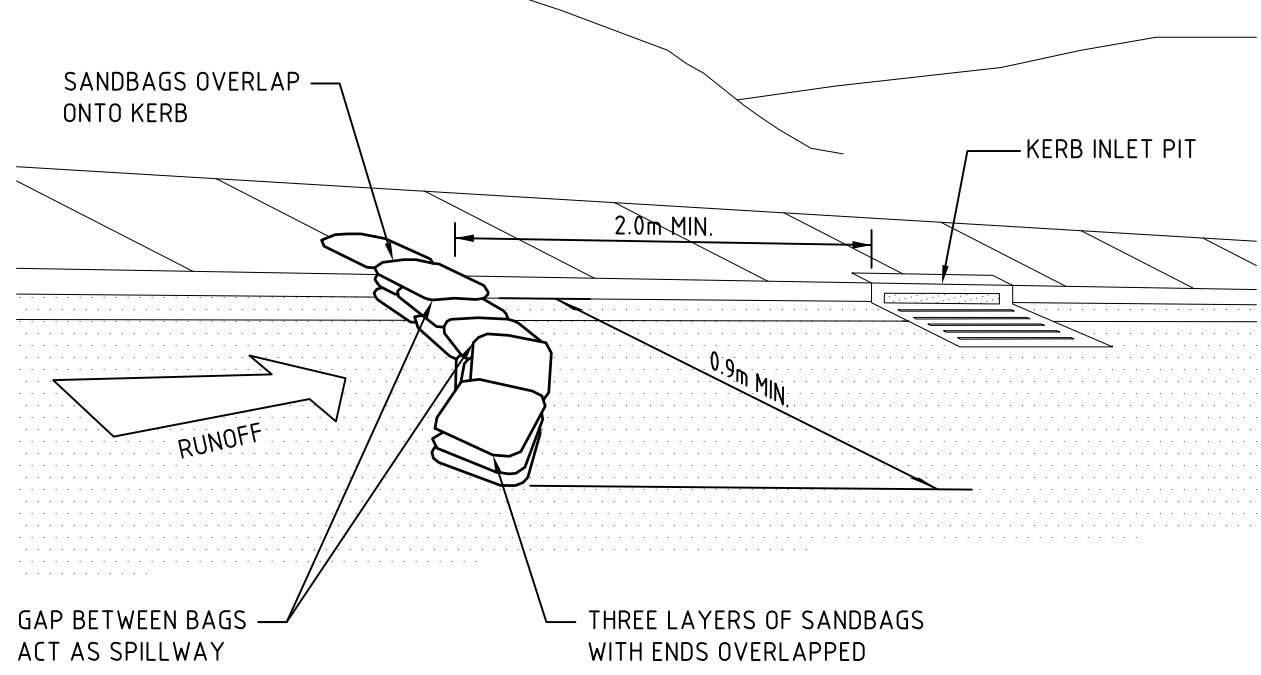
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REVISIONS								<div><div><div>SUSTAINABLE CHOICE</div><div><div><div><div>✓ ISO 9001:2008</div><div>✓ Endorsed</div><div>✓ Quality</div><div>✓ Management System</div></div></div><div><div><div><div>Member of</div><div></div></div></div><div><div><div>Copyright Lindsay Dynan as date of issue</div></div></div></div></div></div></div>	<div><div></div><div><div>NEWCASTLE</div><div>5 Newton Street Broadmeadow NSW 2292</div><div>Phone - 02 4941 9900 Facsimile - 02 4957 7507</div><div>Email - mail@lindsaydynan.com.au</div><div>Web - www.lindsaydynan.com.au</div></div><div><div>Sydney Perth Newcastle Central Coast</div></div></div>	CLIENT		PROJECT		DRAWING STATUS		SHEET SIZE	
	BRANCOURT NOMINEES PTY LTD		MIXED USE DEVELOPMENT		DRAFT COPY		A1										
	TITLE		990 HUNTER STREET		DRAFTSMAN	DESIGNER	PROJ MANAGER			SCALE							
	STORMWATER DRAINAGE DETAILS		NEWCASTLE WEST, NSW		S.Z.	M.M.	M.M.			1:20							
					PROJECT REF No.		REVISION										
					12120		D										
				DRAWING No.													
				DA04													

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STABILISED SITE ACCESS DETAIL
N.T.S.
IN ACCORDANCE WITH LANDCOM 'BLUE BOOK'
SD6-14 STABILISED SITE ACCESS



SANDBAG KERB INLET SEDIMENT TRAP DETAIL
N.T.S.

LEGEND	
	SEDIMENT CONTROL FENCE, REFER TO DETAIL
	STABILISED SITE ACCESS, REFER TO DETAIL
	SANDBAG KERB INLET SEDIMENT TRAP, REFER TO DETAIL
	EXISTING CONTOUR
	EXISTING SPOT LEVEL
	APPROXIMATE POSITION OF EXISTING STORMWATER DRAINAGE PIPE
	BOUNDARY LINE
	EXISTING FENCE
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	EXISTING TELECOMMUNICATIONS PIT
	EXISTING STOP VALVE
	EXISTING SEWER INSPECTION POINT
	EXISTING BOLLARD
	EXISTING TREE

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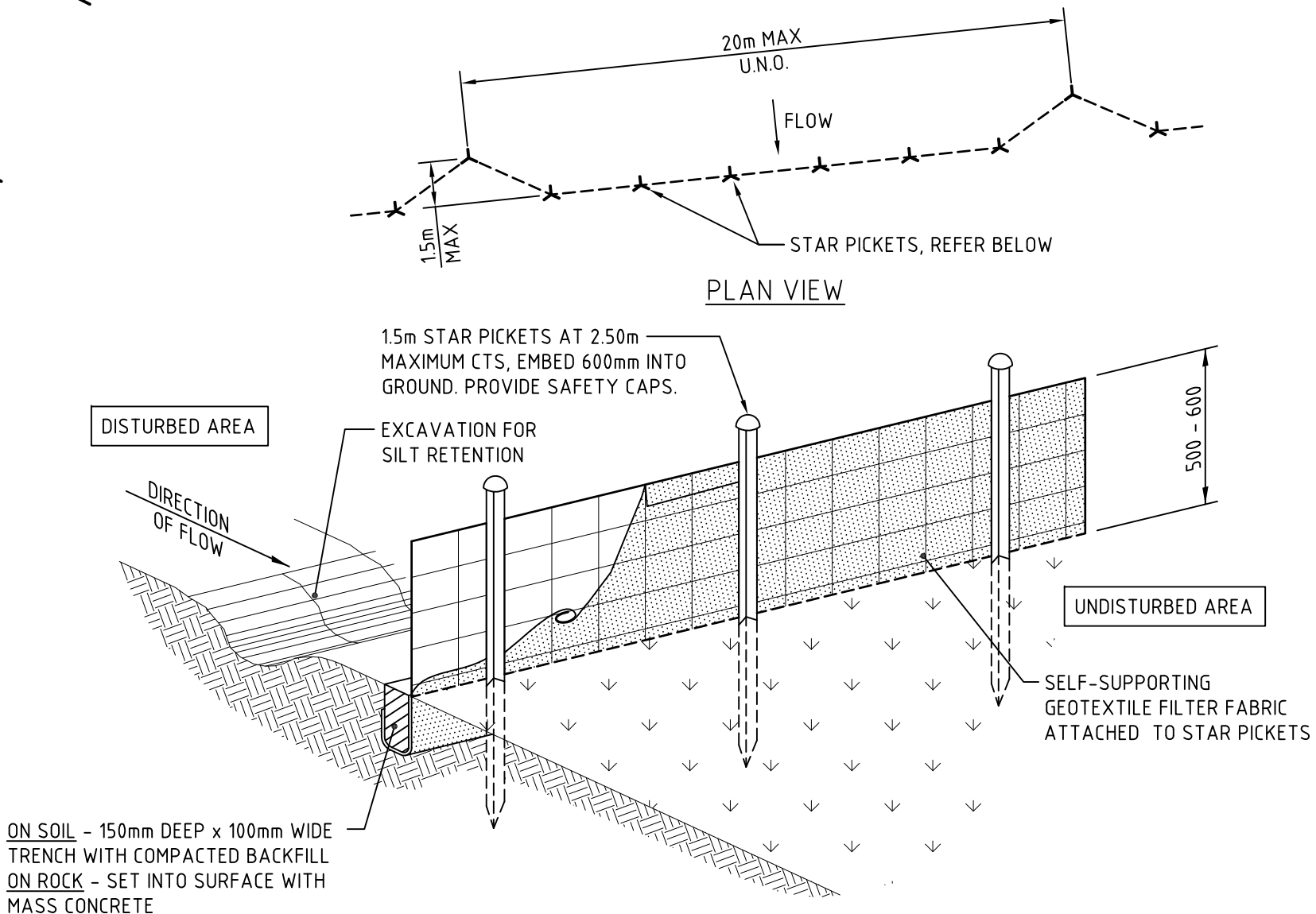
THE ARRANGEMENT OF SEDIMENT AND EROSION CONTROL MEASURES SHOWN ARE INDICATIVE ONLY AND RELATE TO A PARTICULAR STAGE OF THE CONSTRUCTION WORKS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DESIGN, CONSTRUCT AND MAINTAIN ANY ADDITIONAL MEASURES THAT MAY BE REQUIRED FOR THE CONTRACTOR'S CONSTRUCTION METHODOLOGIES, IN ORDER TO MEET ALL CONDITIONS AND REQUIREMENTS IMPOSED BY ANY STATUTORY AUTHORITY.

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CONTRACTOR TO VERIFY SETOUT BEFORE COMMENCING EARTHWORKS. REFER ANY DISCREPANCIES TO ENGINEER.

ALL EXPOSED/DISTURBED AREAS TO BE TREATED IN ACCORDANCE WITH CLIENT'S SPECIFICATIONS.

EXISTING CONTOURS SHOWN AT 0.50m INTERVALS.



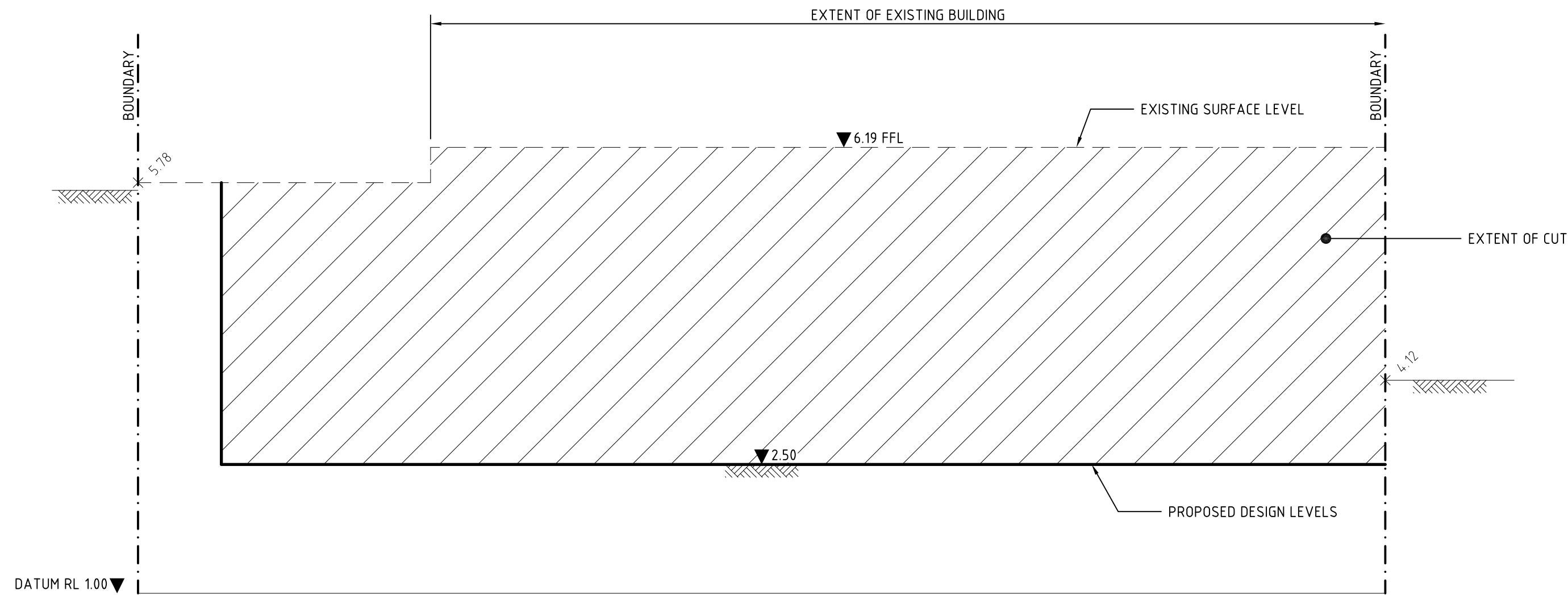
SEDIMENT CONTROL FENCE DETAIL
N.T.S.
IN ACCORDANCE WITH LANDCOM 'BLUE BOOK'
SD6-8 SEDIMENT FENCE

SEDIMENT & EROSION CONTROL PLAN
SCALE 1:200

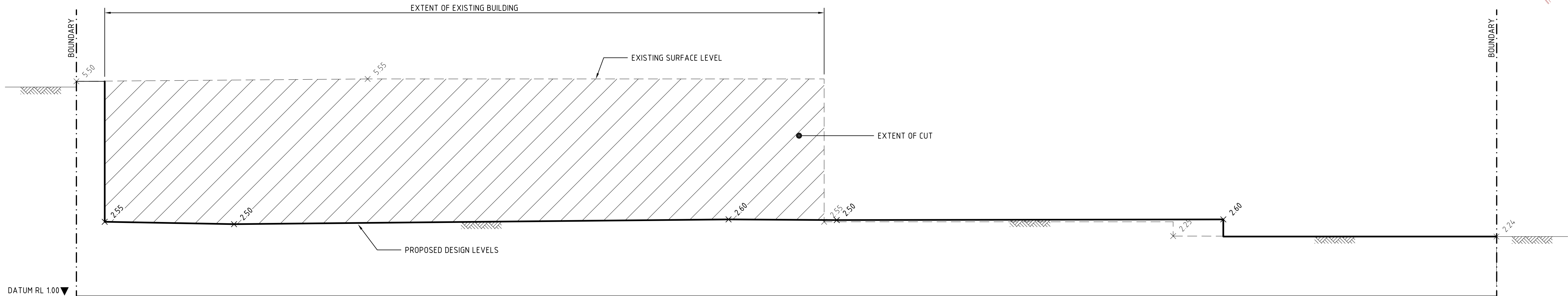
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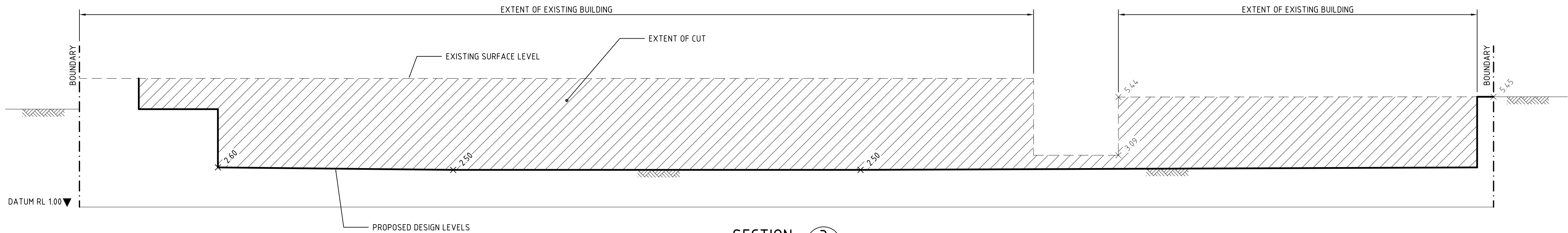
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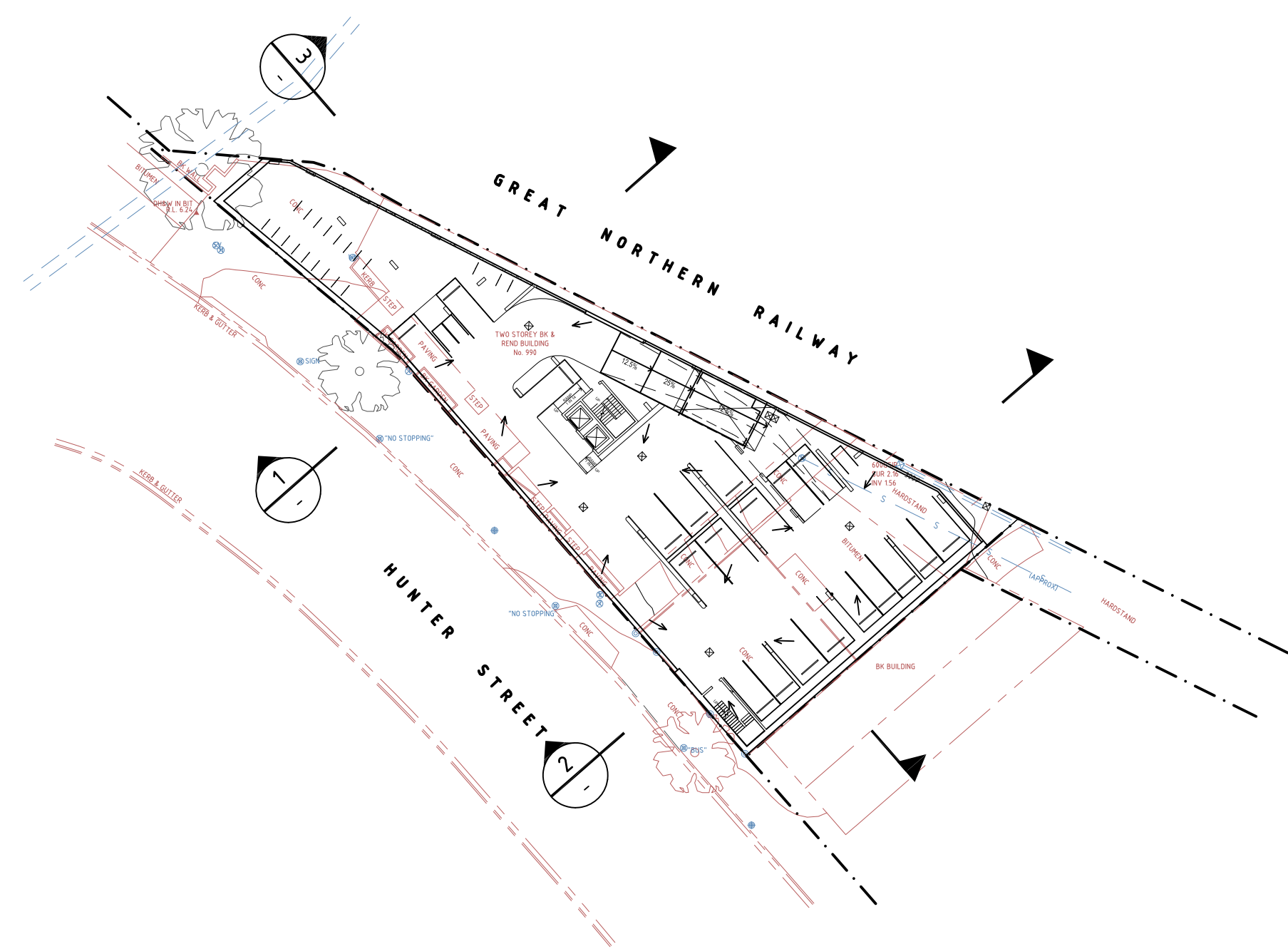
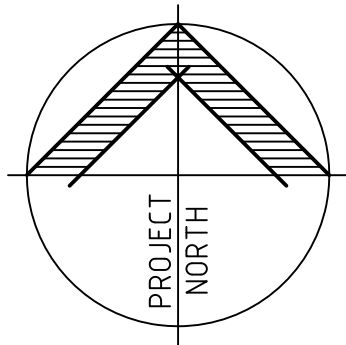
SECTION 1
SCALE 1:50



SECTION 2
SCALE 1:50



SECTION 3
SCALE 1:100



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	A	08/07/16	R.R.	M.M.	M.M.	ISSUED FOR INFORMATION



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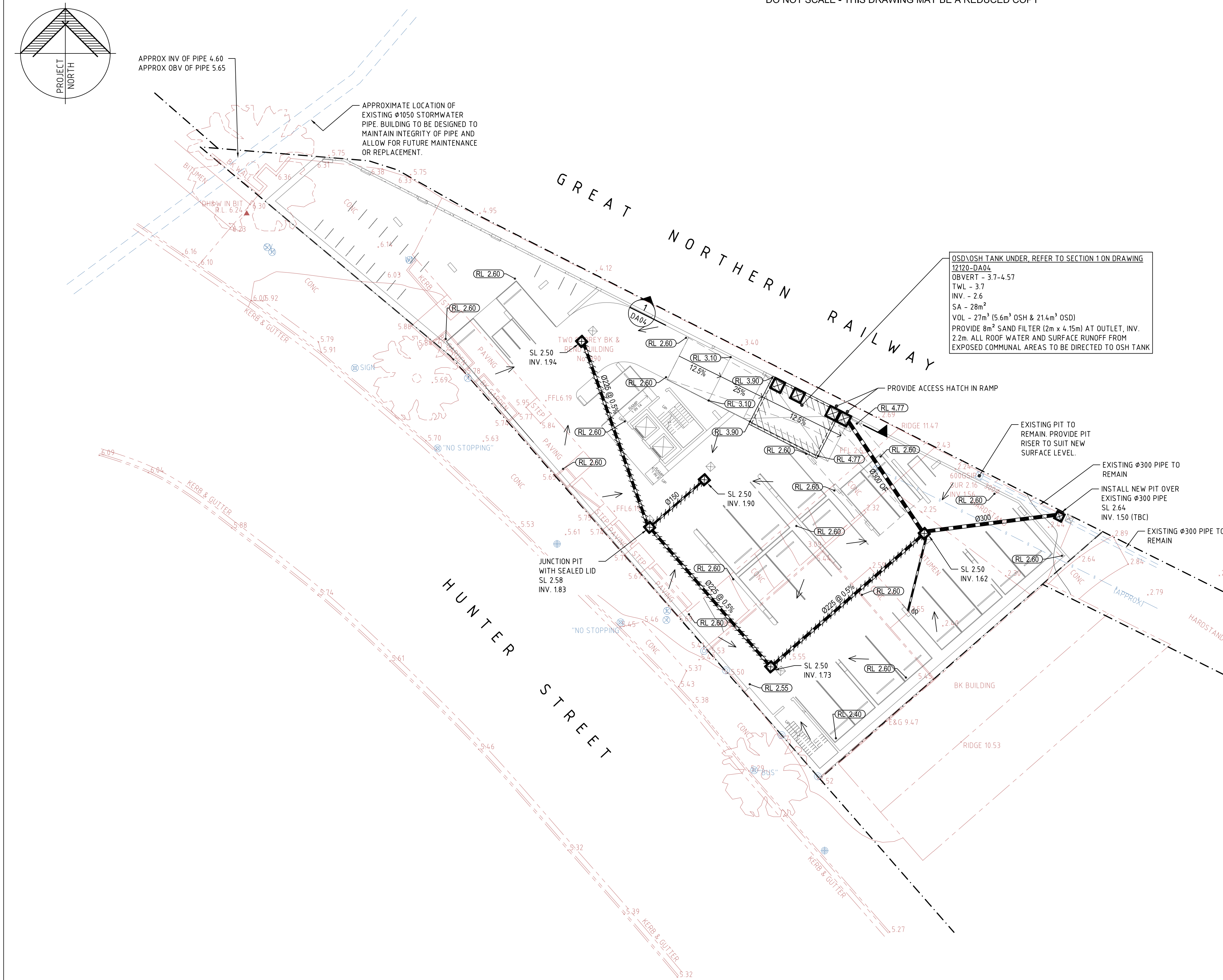
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CLIENT	BRANCOURT NOMINEES PTY LTD
TITLE	TYPICAL SECTION DETAILS

PROJECT	MIXED USE DEVELOPMENT 990 HUNTER STREET NEWCASTLE WEST, NSW
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DRAWING STATUS	DRAFT COPY	SHEET SIZE	A1
DRAFTSMAN R.R.	DESIGNER M.M.	PROJ MANAGER M.M.	SCALE AS NOTED
PROJECT REF No. 12120	DRAWING No. DA06	REVISION	B



BASEMENT - STORMWATER DRAINAGE PLAN

SCALE 1:200

CONCEPT SUMMARY

THE PROPOSED DEVELOPMENT OF NO 990 HUNTER STREET, NEWCASTLE WEST INVOLVES THE DEMOLITION OF THE EXISTING BUILDINGS AND THE CONSTRUCTION OF A NEW HIGH-RISE MIXED USE BUILDING.

THE PHILOSOPHY OF STORMWATER MANAGEMENT ON SITE CAN BE SUMMARISED AS FOLLOWS:

- THE DEVELOPMENT WILL INCREASE THE IMPERVIOUS AREAS ON THE SITE TO 100%. AS SUCH, A NEW OSD TANK, DESIGNED IN ACCORDANCE WITH NCC GUIDELINES, WILL BE IMPLEMENTED TO MITIGATE PEAK FLOWS LEAVING THE SITE. THE OSD TANK WILL ALSO INCORPORATE A NEW SAND FILTER IN ORDER TO TREAT RUNOFF TO AN ACCEPTABLE LEVEL BEFORE IT LEAVES THE SITE. REFER BELOW FOR CALCULATIONS.
- RUNOFF FROM THE PROPOSED ROOF AND EXTERNAL COMMUNAL AREAS WILL BE COLLECTED IN A SERIES OF PITS AND PIPED TO THE NEW OSD TANK LOCATED IN THE BASEMENT CARPARK.
- OVERFLOW FROM THE OSD TANK WILL BE DIRECTED TO THE BASEMENT DRAINAGE NETWORK.
- A SERIES OF FLOOR WASTES WILL BE INSTALLED IN THE SUSPENDED CARPARK LEVELS TO COLLECT INDIRECT RUNOFF. THESE FLOOR WASTES WILL BE CONVEYED DIRECTLY TO THE BASEMENT DRAINAGE NETWORK.
- ALL RUNOFF CONVEYED TO THE BASEMENT NETWORK WILL BE CONECTED DIRECTLY TO THE EXISTING 300mm DIAM. STORMWATER DRAINAGE LINE LOCATED IN THE EASTERN PORTION OF THE SITE. FLOWS DIRECTED TO THE EXISTING NETWORK WILL BE LESS THAN THE EXISTING DISCHARGE FROM THE SITE DUE TO THE INTRODUCTION OF THE OSD TANK.

A FLOODING CERTIFICATE WAS ALSO OBTAINED FROM COUNCIL FOR THE SUBJECT SITE. THE FLOODING CERTIFICATE IDENTIFIED THAT THE Q100 = 2.80m AHD AND THE PMF = 5.80m AHD. AS SUCH, THE DEVELOPMENT WAS DESIGNED SO THAT:

- THE ENTRY TO THE BUILDING WAS ABOVE THE PMF,
- THE BASEMENT CARPARK HAD A MAXIMUM OF 300mm OF PONDING DURING THE Q100, AND
- THE INVERT OF THE OSD/STORAGE TANK WAS ABOVE THE Q100.

STORMWATER CALCULATIONS

SITE AREAS = 1,052 m²
% IMPERVIOUS = 100%
IN ACCORDANCE WITH NCC GUIDELINES
VOLUME RETENTION REQUIRE / IMPERVIOUS m² = 25 mm
TOTAL RETENTION VOLUME REQUIRED = 1,052 x 0.025 = 26.3 m³
SAND FILTER 0.8m²/100m² = 0.8 x 10.52 = 8.42 m³

PRE - POST OSD VOLUME CALCULATION.

$Q_{100}^{PRE} = 1.2 \times 0.9 \times 236 \times 1057$
= 68.96 L/S

TOTAL VOLUME OF RUNOFF DURING 100 YEARS 5 MIN. STORM EVENT

$V_{100}^{PRE} = 68.96 \times 5 \text{ MIN} \times 60$
= 20.7 m³

RETENTION/ STORAGE VOLUME AS PER NCC GUIDELINES MEET OSD REQUIREMENTS.

NOTE: RUNOFF TO DOWNSTREAM SYSTEM LESS THAN EXISTING RUNOFF. EXISTING SYSTEM WILL ADEQUATELY CONVEY NEW FLOWS.

REUSE CALCULATIONS

NO CLEAN ROOF WATER FOR INTERNAL REUSE, ALLOW ADDITIONAL STORAGE CAPACITY FOR IRRIGATION OF LANDSCAPING AREAS.
ADDITIONAL STORAGE = 26.3 - 20.7
= 5.6 m³

OSH VOLUME = 5.6 m³
OSD VOLUME = 21.4 m³
OSD SAND FILTER SA = 8.8 m³

LEGEND

- 5.00 — EXISTING CONTOUR
- RL 2.40 DESIGN SPOTLEVEL
- + 5.55 EXISTING SPOTLEVEL
- ☒ DENOTES NEW SURFACE INLET PIT, REFER TO PLAN FOR DETAILS
- NEW U.P.V.C. STORMWATER DRAINAGE PIPE (SIZE AS SHOWN ON PLAN) LAID AT 1.0% MIN. FALL (UNO) TO OUTLET IN ACCORDANCE WITH COUNCIL'S SPECIFICATIONS
- NEW CONCRETE ENCASED PIPE, (SIZE AS SHOWN ON PLAN) LAID AT 0.5% MIN. FALL (UNO) TO OUTLET IN ACCORDANCE WITH COUNCIL'S SPECIFICATIONS
- — — APPROXIMATE POSITION OF EXISTING STORMWATER DRAINAGE PIPE
- dp DENOTES DOWNPIPE
- DIRECTION OF SURFACE FALL
- BOUNDARY LINE
- / --- EXISTING FENCE
- EXISTING SEWER SERVICE
- EXISTING POWER POLE
- EXISTING GAS METER
- EXISTING TELECOMMUNICATIONS PIT
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- EXISTING SEWER INSPECTION POINT
- EXISTING BOLLARD
- EXISTING TREE

NOTES

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ALL HANDRAILS, IF REQUIRED, ARE TO ARCHITECT'S LOCATION AND DETAILS AND SHALL COMPLY WITH AS1684.

BENCHMARKS TO BE PROVIDED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

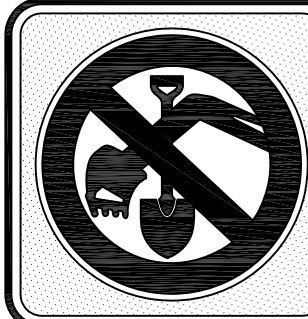
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B	07/04/16	M.M.	M.M.	M.M.	AMENDED FOR DA SUBMISSION
A	03/03/16	S.Z.	M.M.	M.M.	ISSUED FOR DEVELOPMENT APPLICATION
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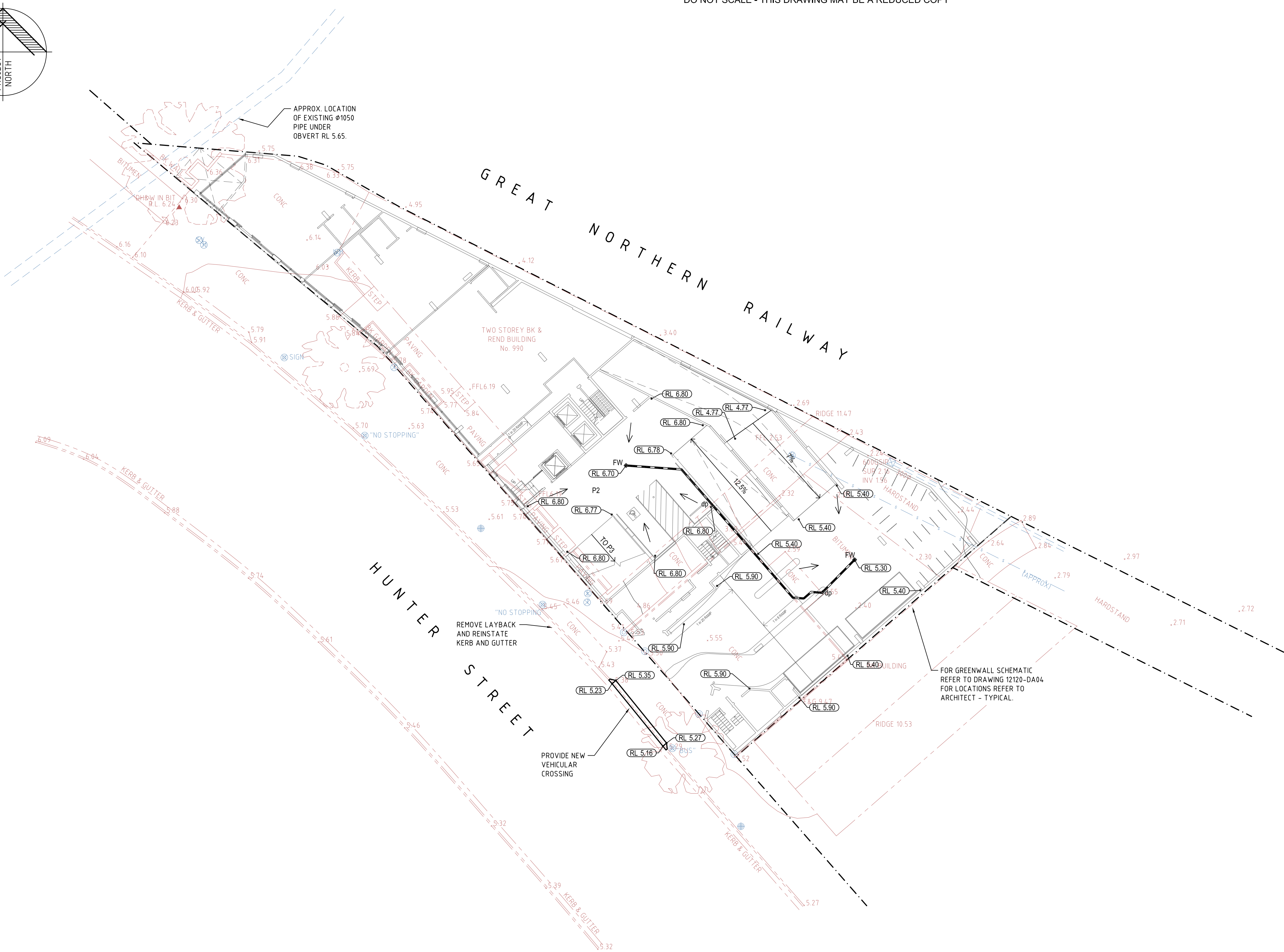
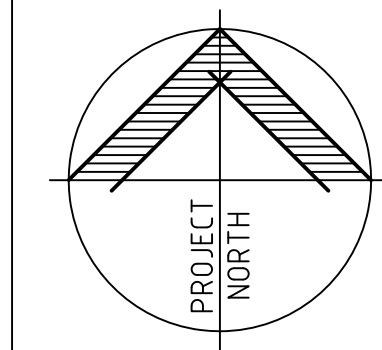
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TITLE	BASEMENT STORMWATER DRAINAGE PLAN

PROJECT	MIXED USE DEVELOPMENT 990 HUNTER STREET NEWCASTLE WEST, NSW
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DRAFTSMAN S.Z.	DESIGNER M.M.	PROJ MANAGER M.M.	SCALE 1:200
PROJECT REF No. 12120	DRAWING No. DA01	REVISION D	



LEGEND

- 5.00 EXISTING CONTOUR
- RL 5.40 DESIGN SPOTLEVEL
- 5.55 EXISTING SPOTLEVEL
- FW DENOTES NEW FLOOR WASTE
- NEW U.P.V.C. STORMWATER DRAINAGE PIPE LAID AT 1.0% MIN. FALL (UNO) TO OUTLET IN ACCORDANCE WITH COUNCILS SPECIFICATIONS
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GROUND FLOOR - STORMWATER DRAINAGE PLAN

SCALE 1:200

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C	18/08/16	M.B.	M.M.	M.M.	RE-ISSUED FOR DA
B	07/04/16	M.M.	M.M.	M.M.	AMENDED FOR DA SUBMISSION
A	03/03/16	S.Z.	M.M.	M.M.	ISSUED FOR DEVELOPMENT APPLICATION



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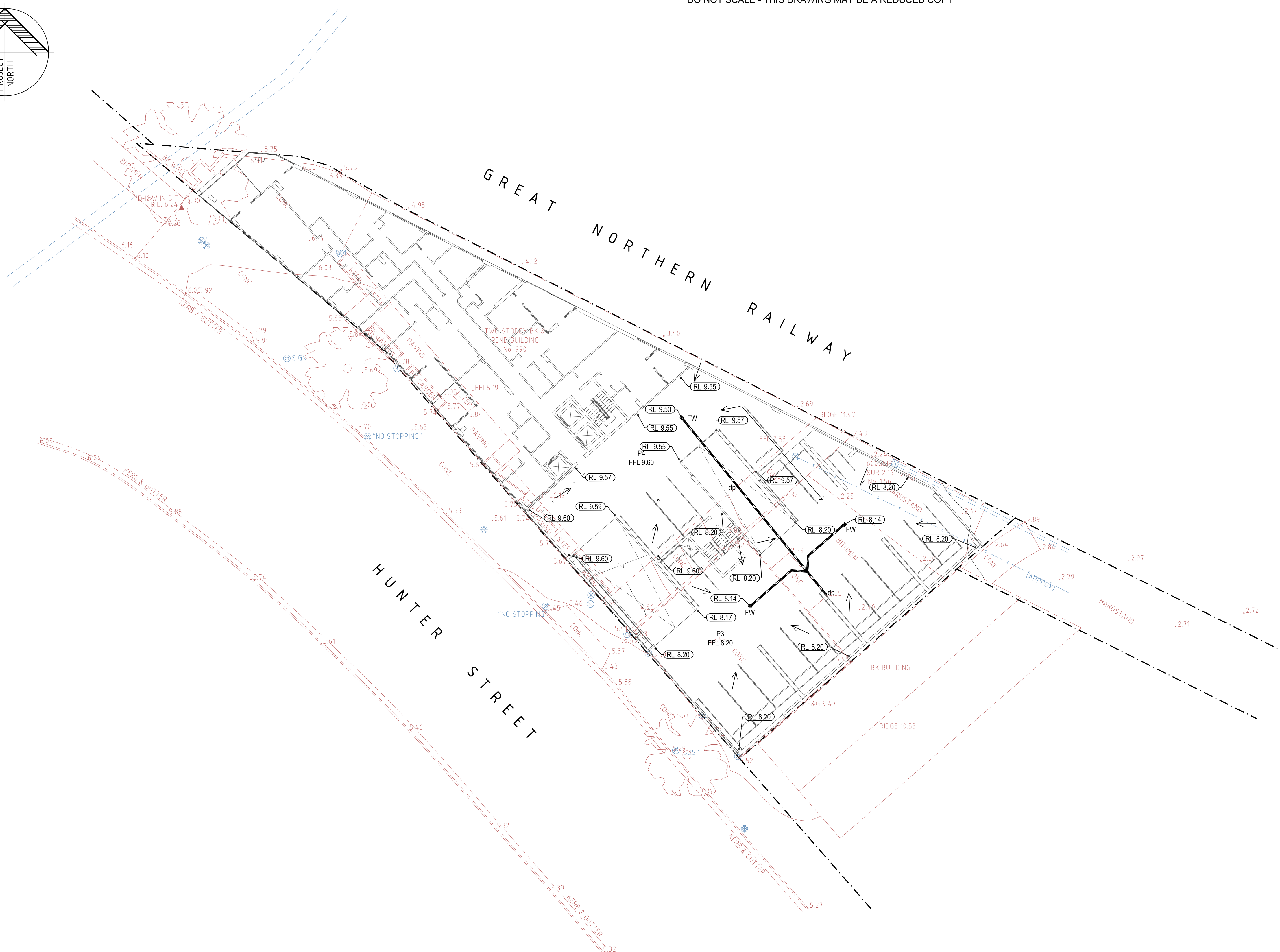
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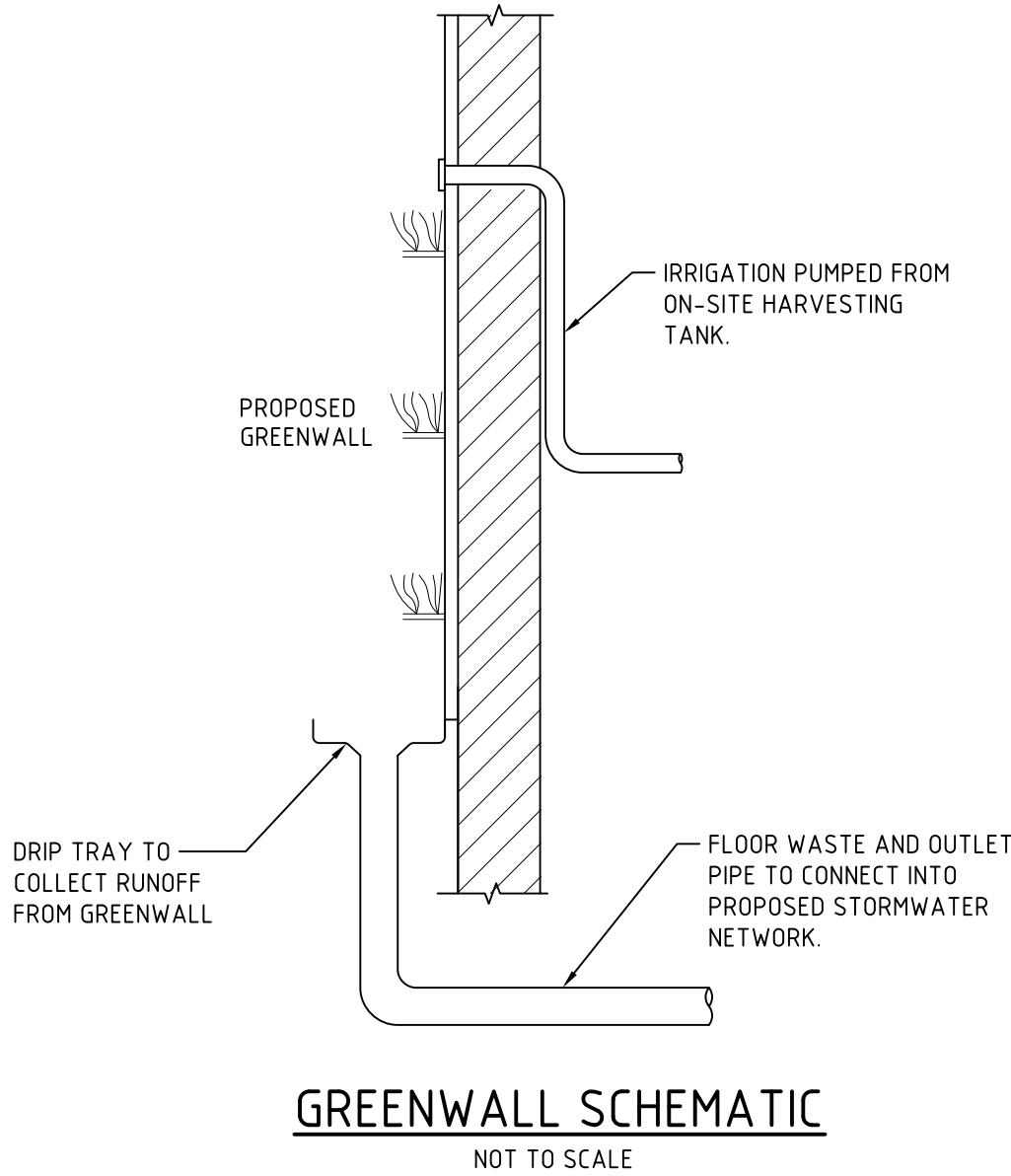
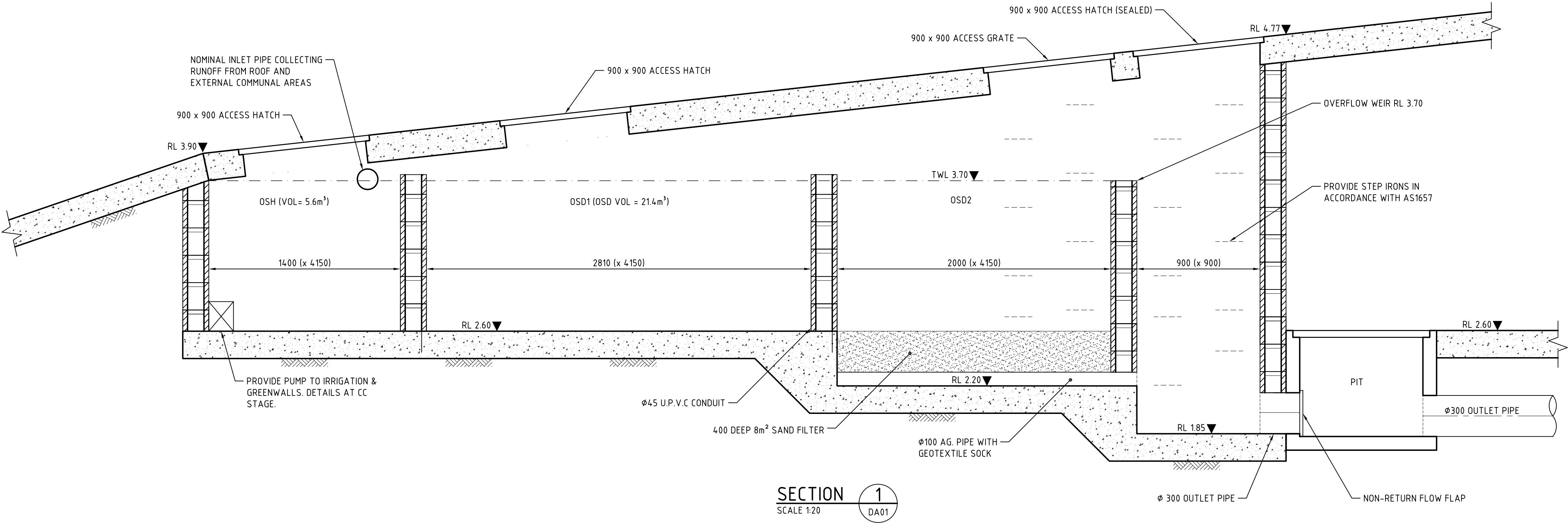
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TITLE	FIRST FLOOR STORMWATER DRAINAGE PLAN
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NEWCASTLE WEST, NSW

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DRAFTSMAN	DESIGNER	PROJ MANAGER	SCALE	
S.Z.	M.M.	M.M.	1:200	
PROJECT REF No.		DRAWING No.	REVISION	
12120		DA03	D	

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REVISIONS	REV	DATE	DRN	CHK	APP	DRAWING STATUS
	D	14/08/17	A.V.	M.M.	M.M.	RE-ISSUED FOR DA
	C	18/08/16	M.B.	M.M.	M.M.	RE-ISSUED FOR DA
	B	07/04/16	M.M.	M.M.	M.M.	AMENDED FOR DA SUBMISSION
	A	03/03/16	S.Z.	M.M.	M.M.	ISSUED FOR DEVELOPMENT APPLICATION
	REV	DATE	DRN	CHK	APP	DRAWING STATUS

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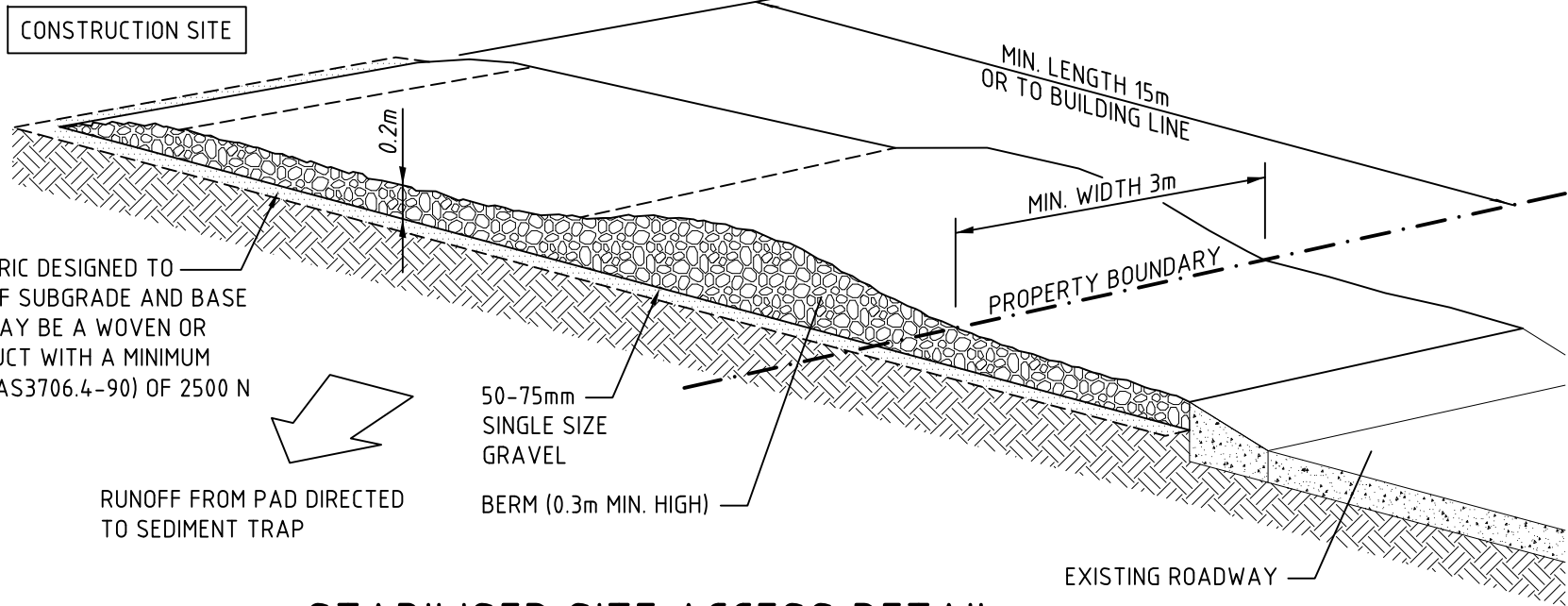
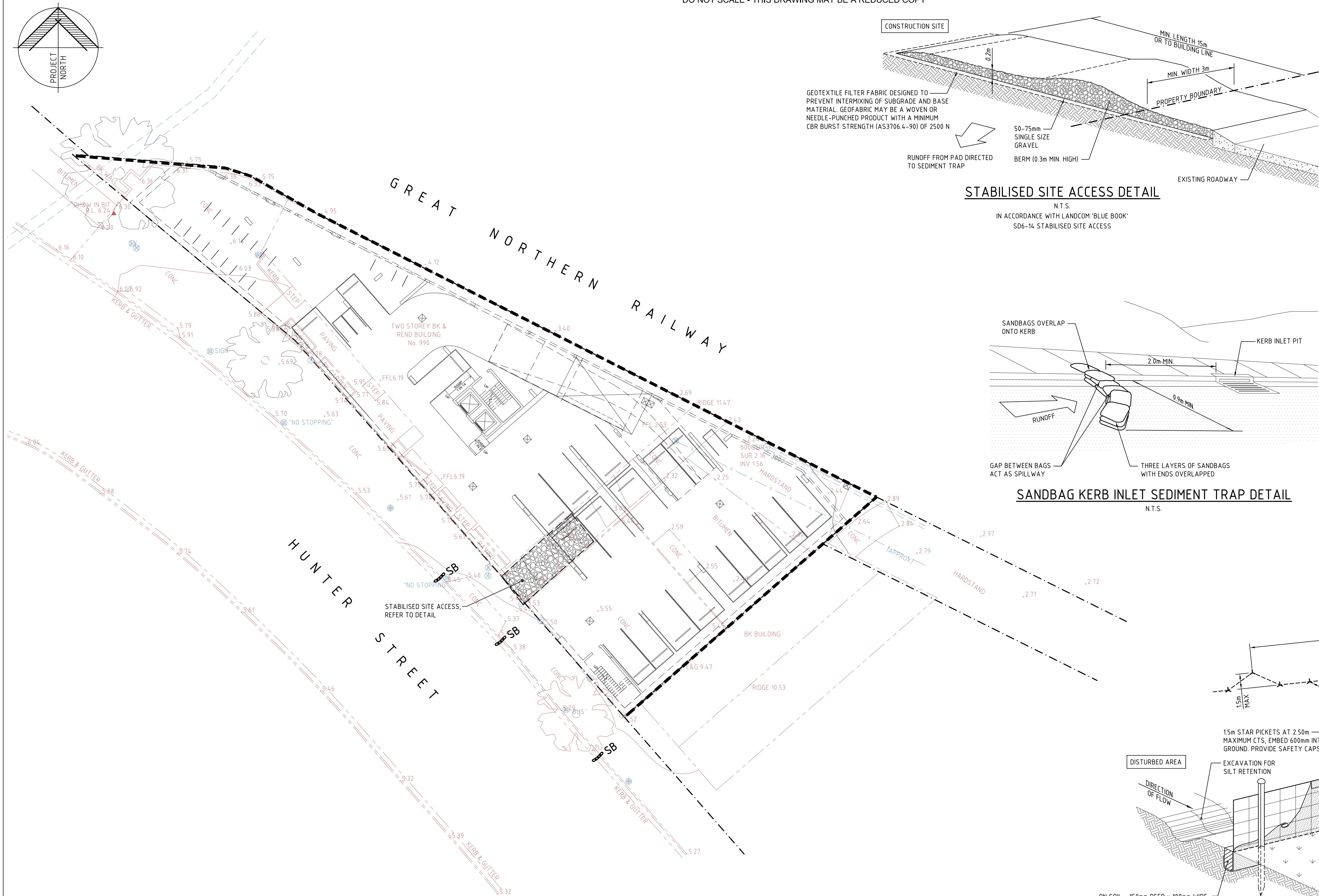
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CLIENT BRANCOURT NOMINEES PTY LTD
TITLE STORMWATER DRAINAGE DETAILS

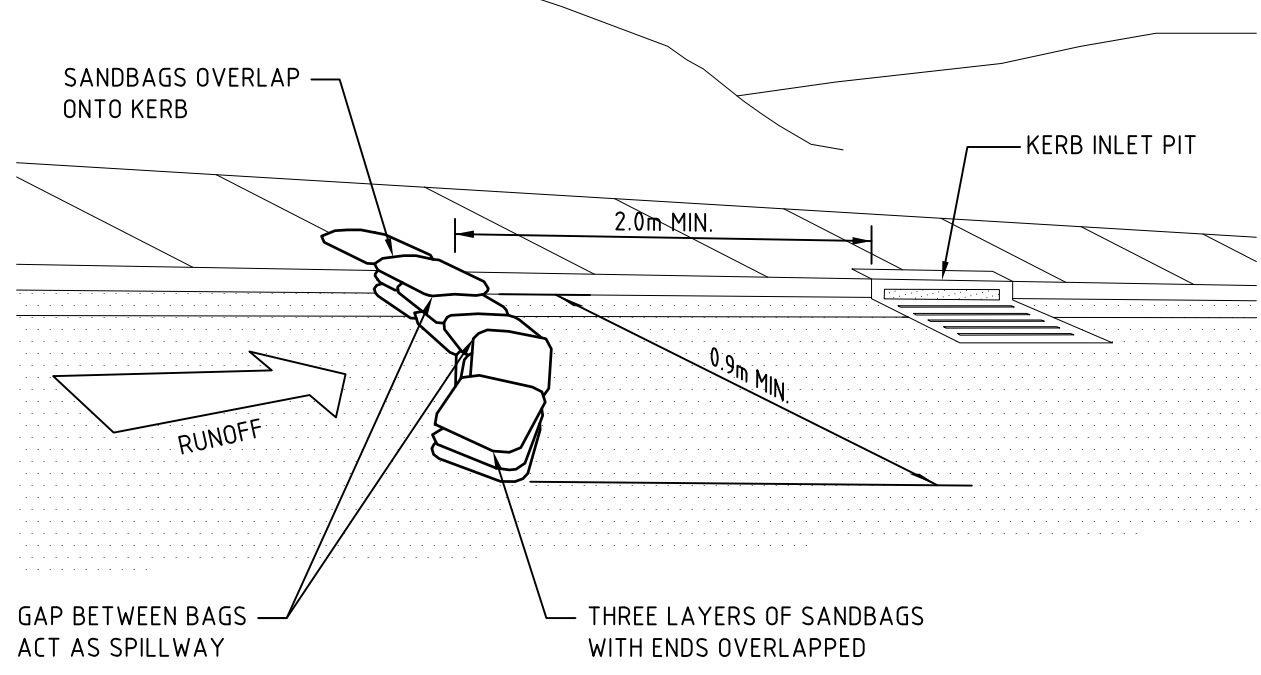
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PROJECT REF No. 12120		DRAWING No. DA04	REVISION D

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STABILISED SITE ACCESS DETAIL
N.T.S.
IN ACCORDANCE WITH LANDCOM 'BLUE BOOK'
SD6-14 STABILISED SITE ACCESS



SANDBAG KERB INLET SEDIMENT TRAP DETAIL
N.T.S.

LEGEND	
	SEDIMENT CONTROL FENCE, REFER TO DETAIL
	STABILISED SITE ACCESS, REFER TO DETAIL
	SANDBAG KERB INLET SEDIMENT TRAP, REFER TO DETAIL
	EXISTING CONTOUR
	EXISTING SPOT LEVEL
	APPROXIMATE POSITION OF EXISTING STORMWATER DRAINAGE PIPE
	BOUNDARY LINE
	EXISTING FENCE
	EXISTING SEWER SERVICE
	EXISTING POWER POLE
	EXISTING GAS METER
	EXISTING TELECOMMUNICATIONS PIT
	EXISTING STOP VALVE
	EXISTING SEWER INSPECTION POINT
	EXISTING BOLLARD
	EXISTING TREE

NOTES

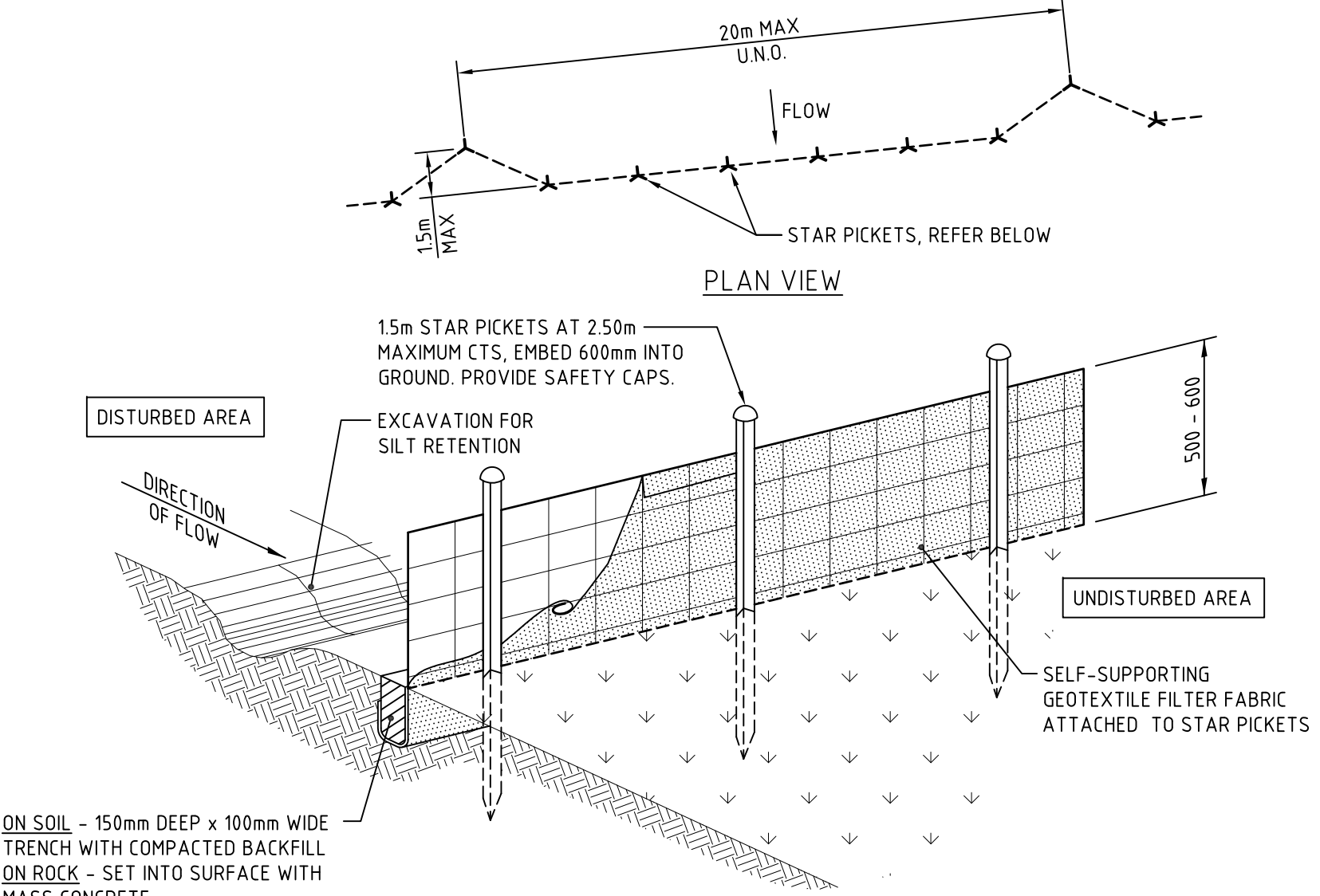
THE ARRANGEMENT OF SEDIMENT AND EROSION CONTROL MEASURES SHOWN ARE INDICATIVE ONLY AND RELATE TO A PARTICULAR STAGE OF THE CONSTRUCTION WORKS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DESIGN, CONSTRUCT AND MAINTAIN ANY ADDITIONAL MEASURES THAT MAY BE REQUIRED FOR THE CONTRACTOR'S CONSTRUCTION METHODOLOGIES, IN ORDER TO MEET ALL CONDITIONS AND REQUIREMENTS IMPOSED BY ANY STATUTORY AUTHORITY.

THE POSITION OF ALL EXISTING SERVICES SHOWN SHOULD BE REGARDED AS APPROXIMATE AND NOT NECESSARILY COMPREHENSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS AND INFORM ALL RELEVANT AUTHORITIES PRIOR TO ANY EXCAVATION.

CONTRACTOR TO VERIFY SETOUT BEFORE COMMENCING EARTHWORKS. REFER ANY DISCREPANCIES TO ENGINEER.

ALL EXPOSED/DISTURBED AREAS TO BE TREATED IN ACCORDANCE WITH CLIENT'S SPECIFICATIONS.

EXISTING CONTOURS SHOWN AT 0.50m INTERVALS.



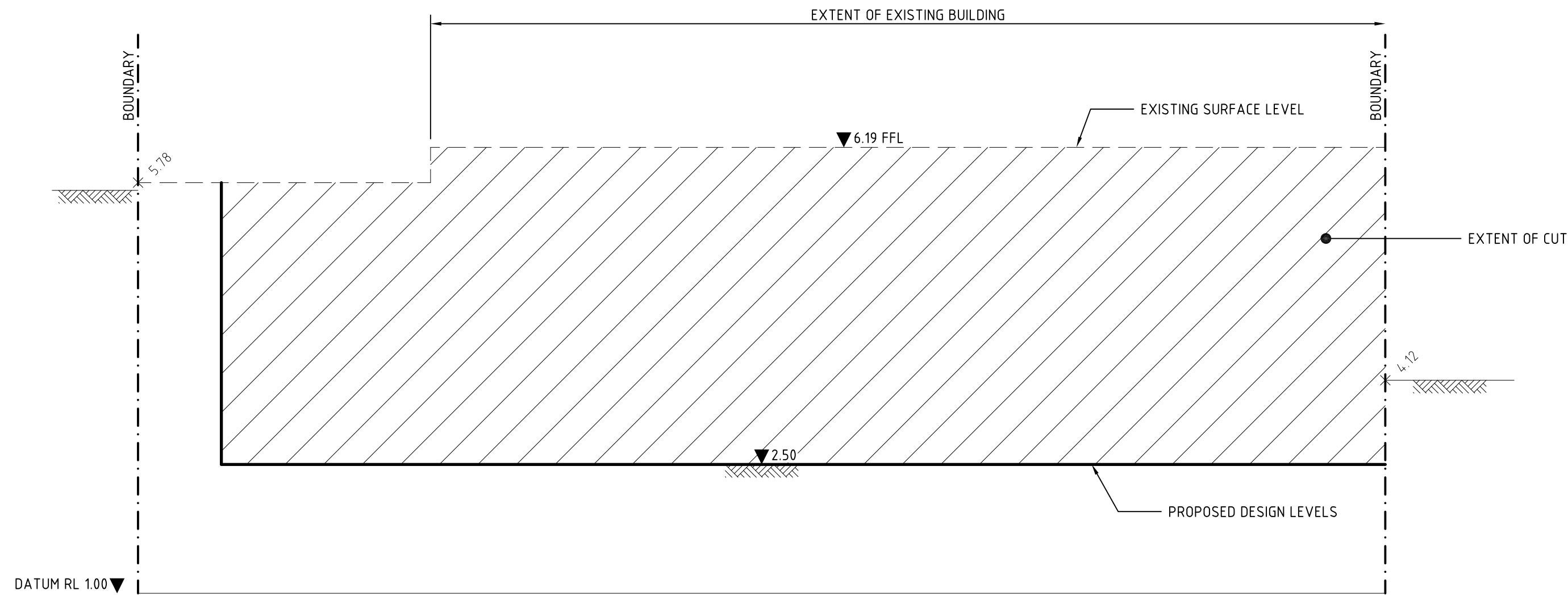
SEDIMENT CONTROL FENCE DETAIL
N.T.S.
IN ACCORDANCE WITH LANDCOM 'BLUE BOOK'
SD6-8 SEDIMENT FENCE

SEDIMENT & EROSION CONTROL PLAN
SCALE 1:200

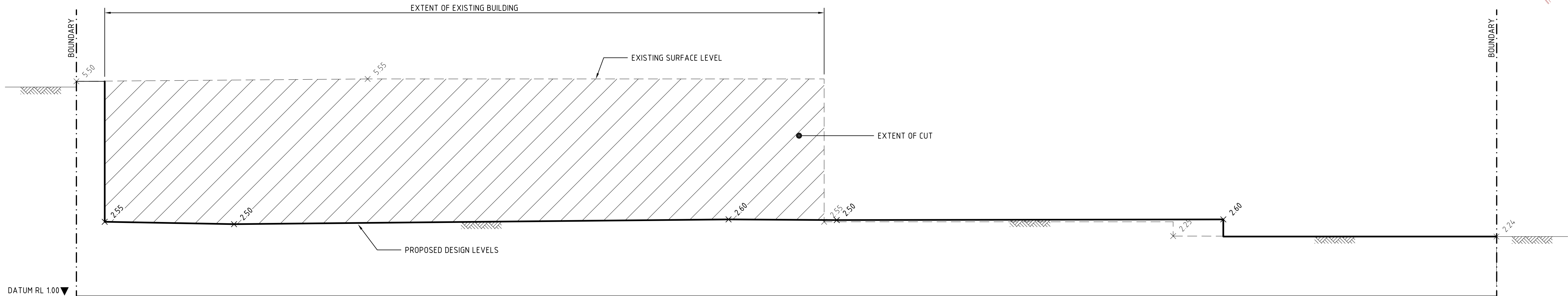
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REV	DATE	DRN	CHK	APP	DRAWING STATUS	ISO 9001:2008 SUSTAINABLE Solutions Endorsed Quality Management System	Member of CONSULT AUSTRALIA	Copyright Lindsay Dynan as date of issue				TITLE SEDIMENT & EROSION CONTROL PLAN & DETAILS				DRAFTSMAN S.Z.	DESIGNER M.M.	PROJ MANAGER M.M.	SCALE 1:200
B	14/08/17	A.V.	M.M.	M.M.	RE-ISSUED FOR DA														
A	03/03/16	S.Z.	M.M.	M.M.	ISSUED FOR DEVELOPMENT APPROVAL														
PROJECT REF No. 12120						DRAWING No. DA05						REVISION B							

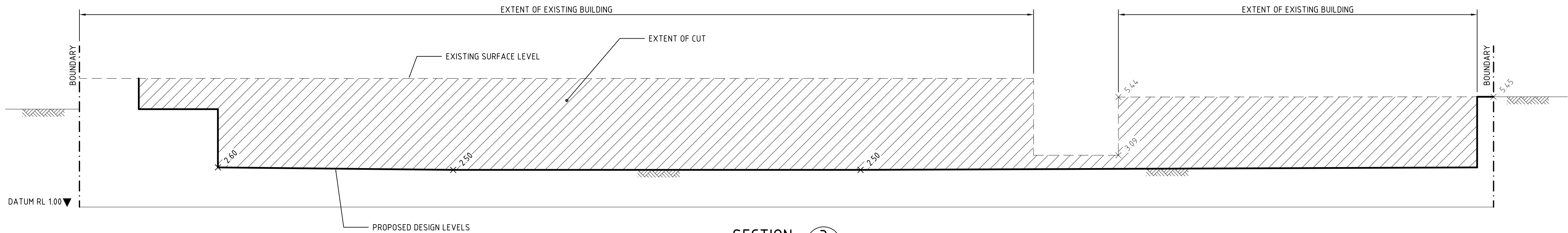
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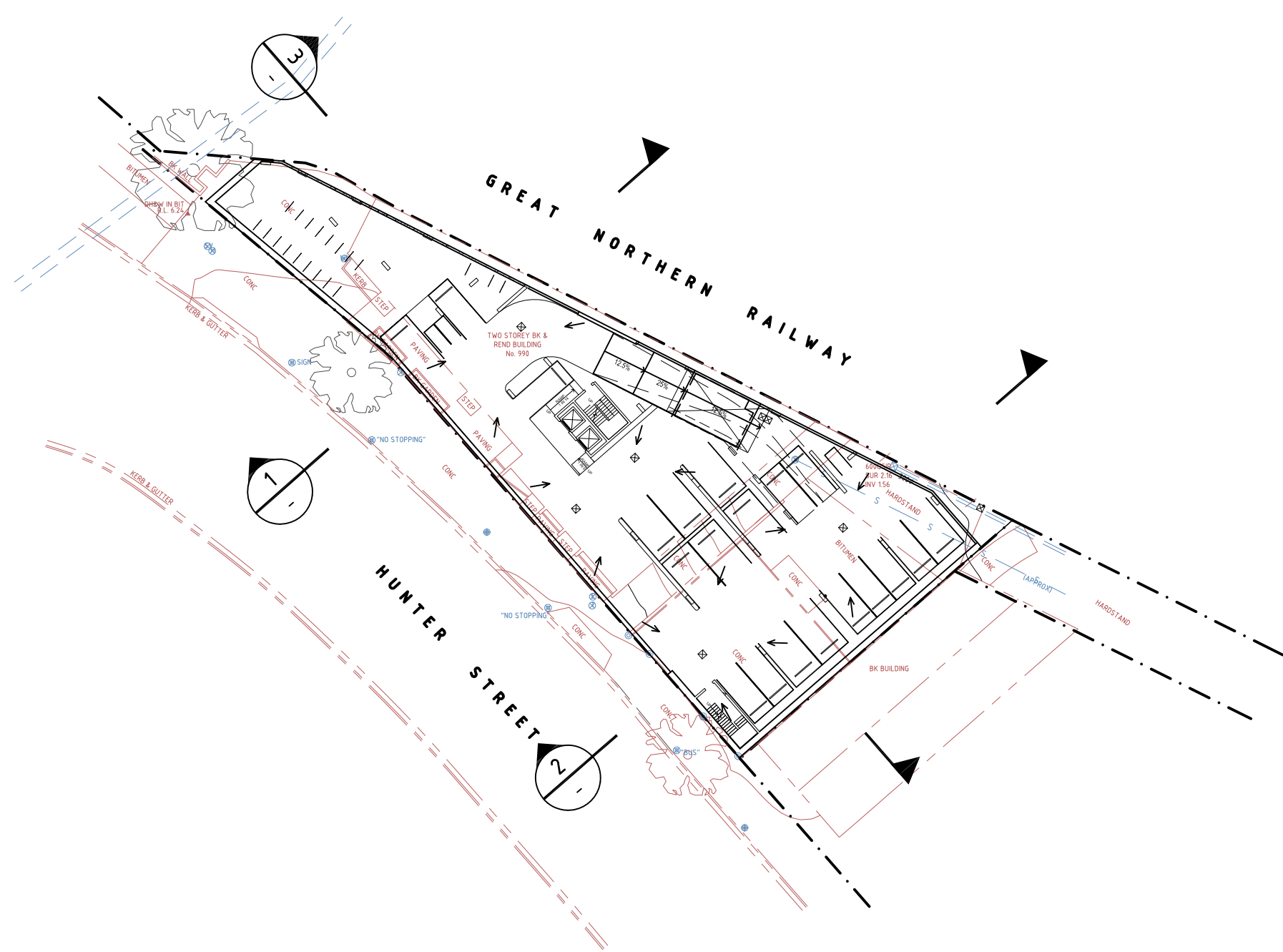
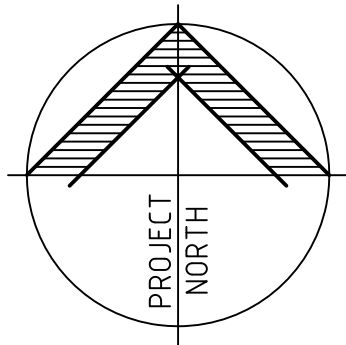
SECTION 1
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SECTION 2
SCALE 1:50




SECTION 3
SCALE 1:100



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REVISIONS	REV	DATE	DRN	CHK	APP	DRAWING STATUS
	B	14/08/17	A.V.	M.M.	M.M.	RE-ISSUED FOR DA
	A	08/07/16	R.R.	M.M.	M.M.	ISSUED FOR INFORMATION



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CLIENT BRANCOURT NOMINEES PTY LTD
TITLE TYPICAL SECTION DETAILS

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PROJECT REF No. 12120		DRAWING No. DA06	REVISION B