

28 - 32 SOMERSET STREET, KINGSWOOD

CONCEPT STORMWATER MANAGEMENT PLAN CIVIL ENGINEERING PACKAGE - DEVELOPMENT APPLICATION



LOCALITY PLAN

SOURCE : NEARMAP.COM.AU (©2015)

DRAWING SCHEDULE	
DRG No.	DRAWING TITLE
DA_C01.01	COVER SHEET
DA_C02.01	CONCEPT SEDIMENT EROSION CONTROL PLAN
DA_C02.11	SEDIMENT EROSION CONTROL DETAILS
DA_C04.01	SITWORKS & STORMWATER MANAGEMENT PLAN
DA_C05.01	DRIVEWAY LONGITUDINAL SECTIONS
DA_C06.01	DETAILS

DRAWN: M.HAI
DESIGNED: P.CORNISH
JOB MANAGER: P.CORNISH
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
01	ISSUED FOR INFORMATION	MM		PC	09.11.20
02	ISSUED FOR DEVELOPMENT APPLICATION	CP		PC	13.11.20

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Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

**28 - 32 SOMERSET STREET,
KINGSWOOD**

DRAWING TITLE

**CIVIL ENGINEERING PACKAGE
DEVELOPMENT APPLICATION**

COVER SHEET

JOB NUMBER

202701

DRAWING NUMBER

DA_C01.01

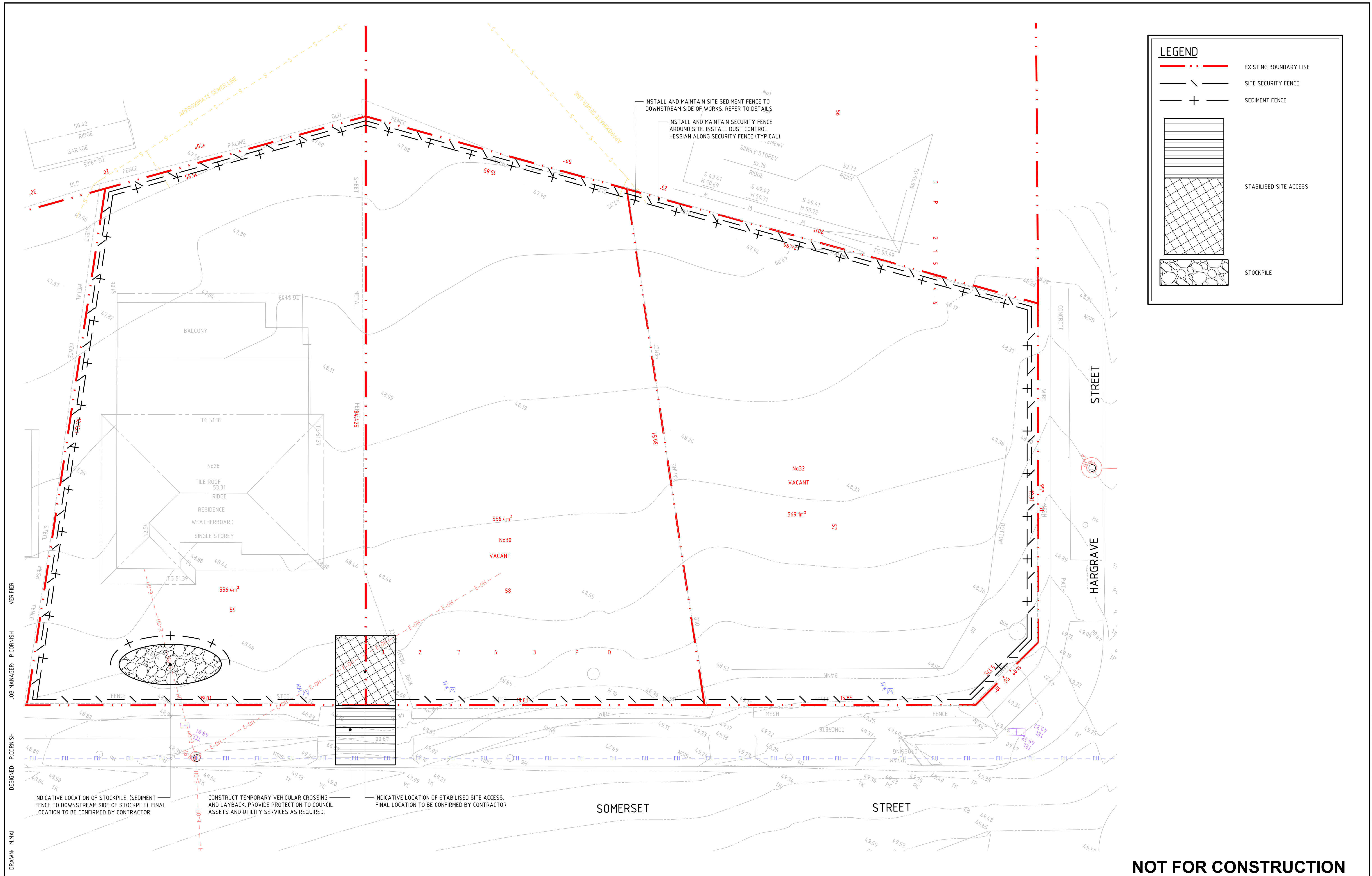
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LEGEND

- EXISTING BOUNDARY LINE
- SITE SECURITY FENCE
- SEDIMENT FENCE
- STABILISED SITE ACCESS
- STOCKPILE

DRAWN: M.MAI
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INDICATIVE LOCATION OF STOCKPILE. (SEDIMENT FENCE TO DOWNSTREAM SIDE OF STOCKPILE). FINAL LOCATION TO BE CONFIRMED BY CONTRACTOR

CONSTRUCT TEMPORARY VEHICULAR CROSSING AND LAYBACK. PROVIDE PROTECTION TO COUNCIL ASSETS AND UTILITY SERVICES AS REQUIRED.

INDICATIVE LOCATION OF STABILISED SITE ACCESS. FINAL LOCATION TO BE CONFIRMED BY CONTRACTOR

INSTALL AND MAINTAIN SITE SEDIMENT FENCE TO DOWNSTREAM SIDE OF WORKS. REFER TO DETAILS.

INSTALL AND MAINTAIN SECURITY FENCE AROUND SITE. INSTALL DUST CONTROL HESSIAN ALONG SECURITY FENCE (TYPICAL).

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DRAWING TITLE

CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION

CONCEPT SEDIMENT EROSION CONTROL PLAN

JOB NUMBER

202701

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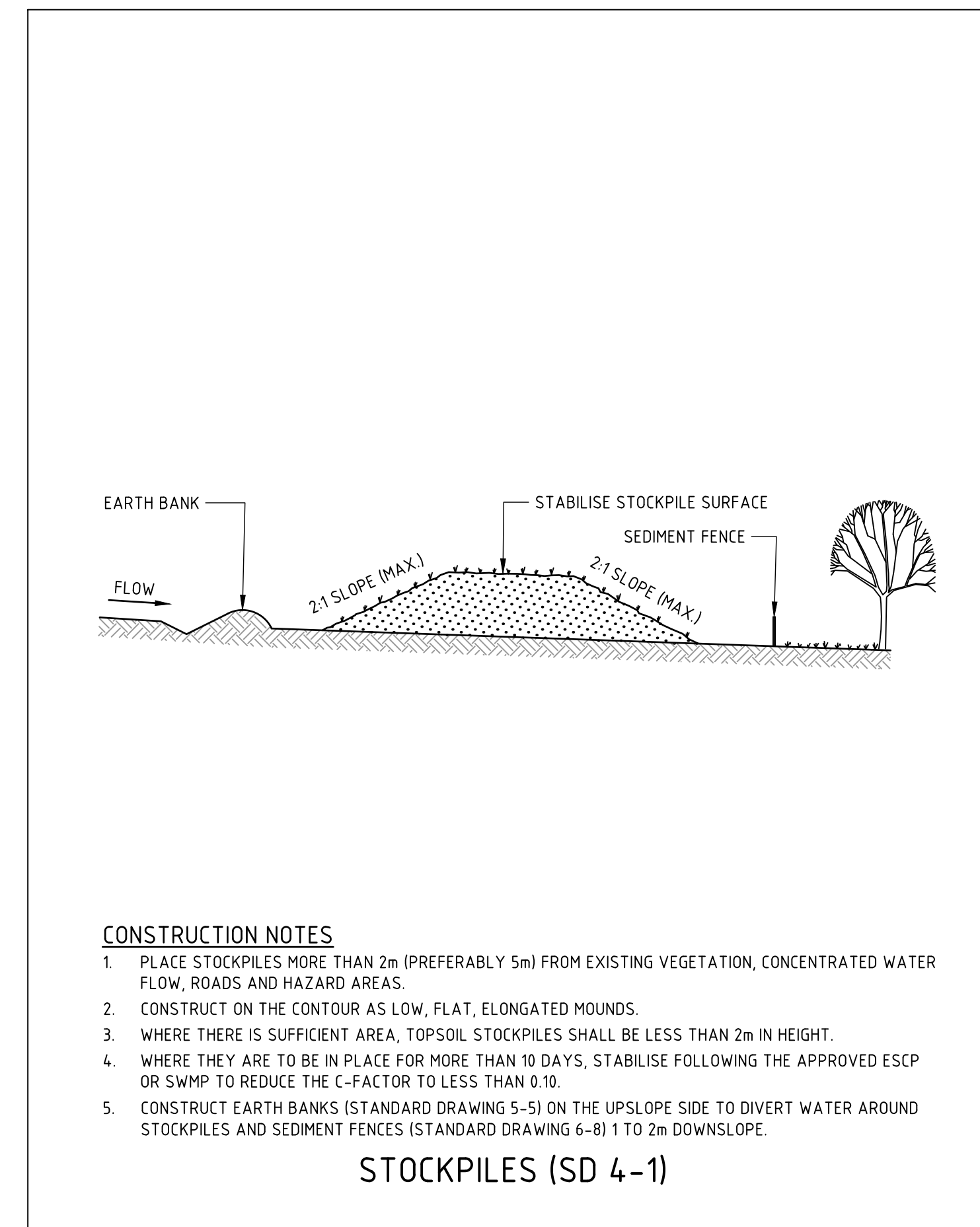
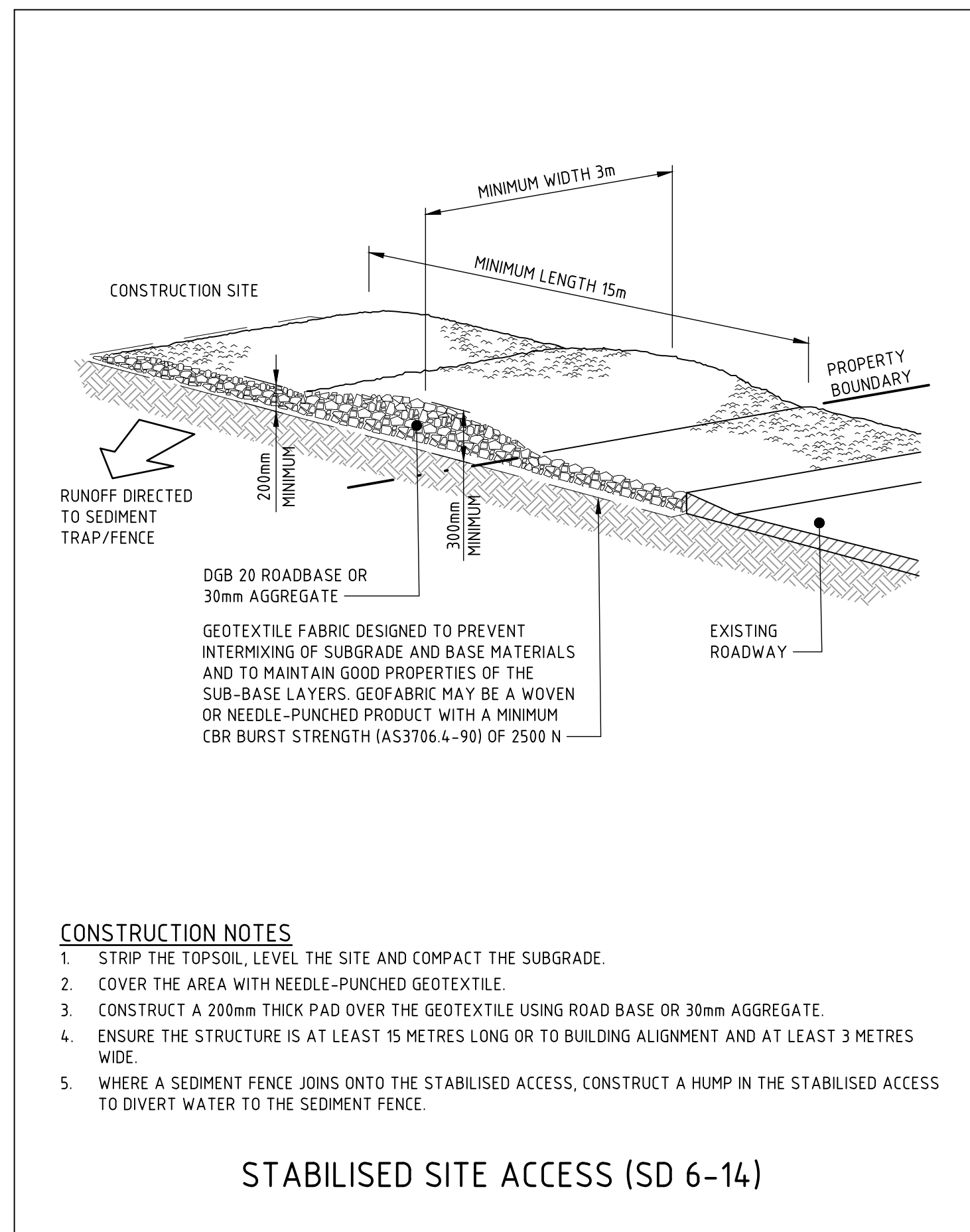
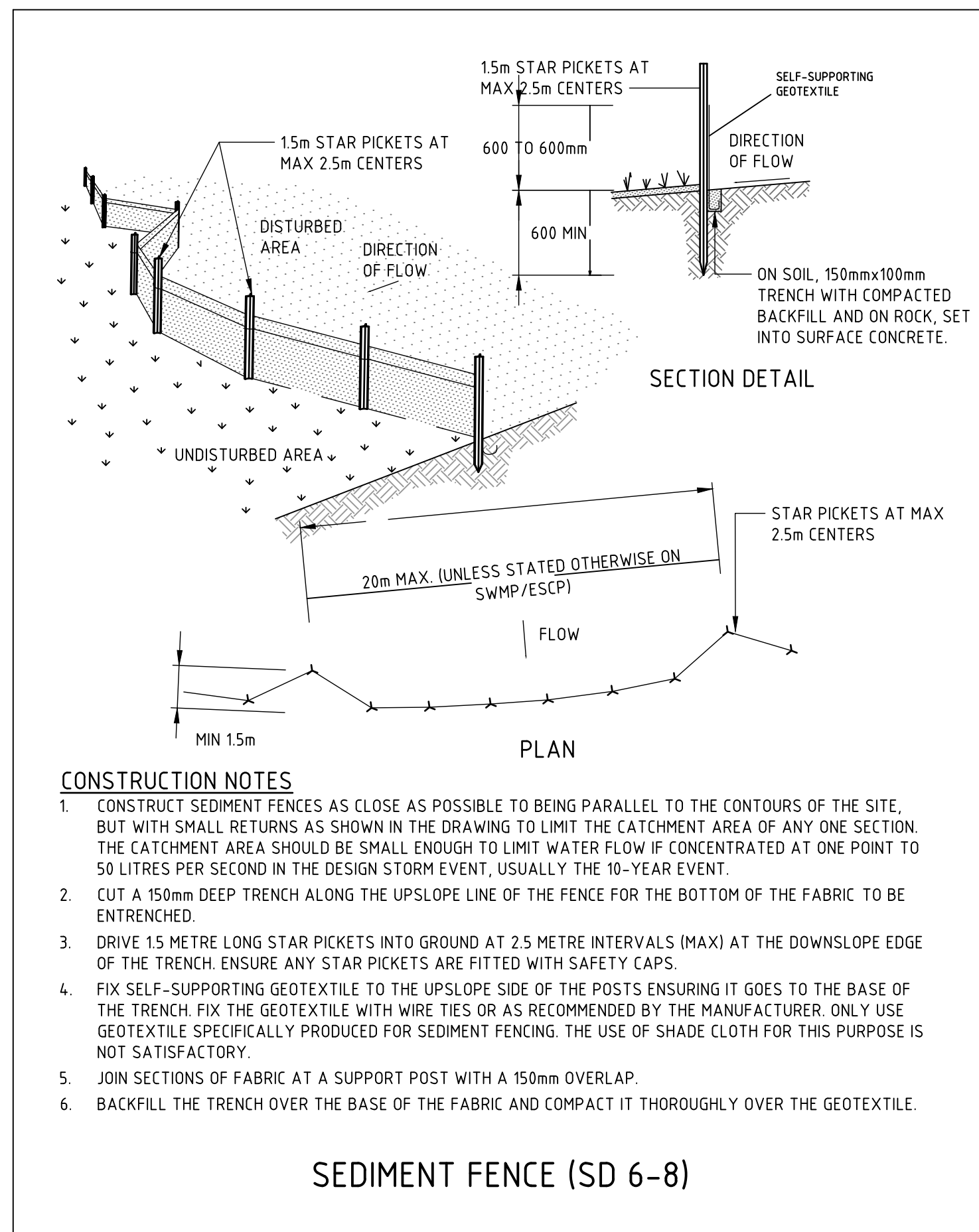
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ARCHITECT
rothelowman

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28 - 32 SOMERSET STREET, KINGSWOOD

DRAWING TITLE
CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION

SEDIMENT EROSION CONTROL DETAILS

JOB NUMBER
202701

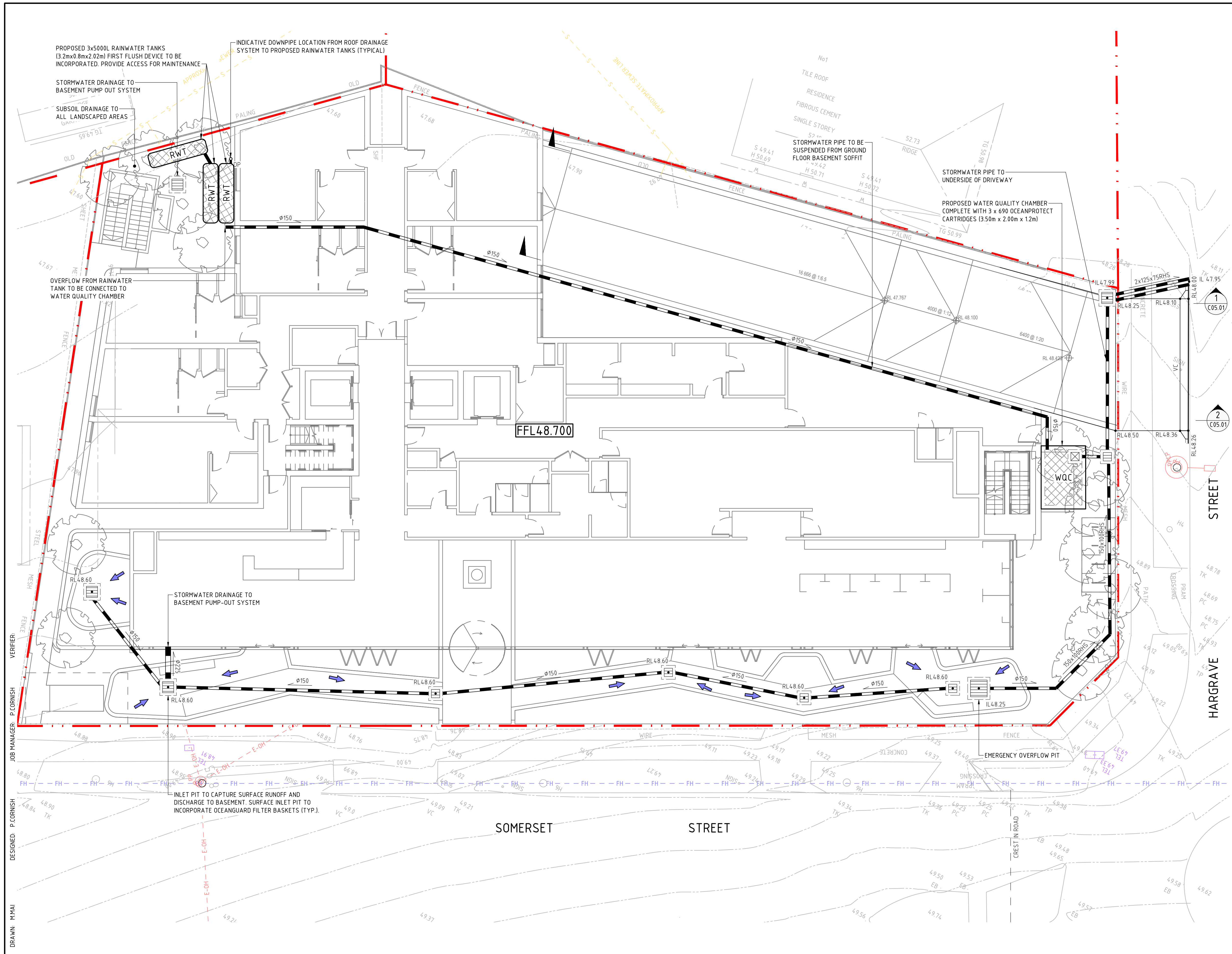
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LEGEND	
	PROPOSED BOUNDARY LINE
	STORMWATER PIPE
	GRATED INLET PIT
	VEHICULAR CROSSING
	PROPOSED SPOT HEIGHT
	RECTANGULAR HOLLOW SECTION
	PROPOSED FINISHED FLOOR LEVEL
	DOWNPIPE
	LANDSCAPING
	RAINWATER TANK

DRAINAGE CALCULATIONS	
SITE - 28-32 SOMERSET STREET KINGSWOOD	
A = CATCHMENT AREA (m ²) = 1694m ²	
OSD NOT REQUIRED - SITE LOCATED IN EXEMPTED AREA	
RAINWATER TANK SIZE = 15KL	
NON-POTABLE DEMAND MET = 91.96%	
RAINWATER TO BE USED FOR IRRIGATION PURPOSES	
SITE DISCHARGE	
PRE-DEVELOPMENT	
10% AEP = 4.5L/s	
1% AEP = 7.3L/s	
POST-DEVELOPMENT	
ROOF DRAINAGE AND BYPASS (TO KERB OUTLET)	
10% AEP = 4.7L/s	
1% AEP = 7.4 L/s	
BASEMENT PUMP OUT SYSTEM	
10% AEP = 25L/s	
1% AEP = 40 L/s	

- | GENERAL NOTES | |
|---------------|---|
| 1. | REFER SPECIFICATION NOTES FOR STORMWATER GENERAL REQUIREMENTS. |
| 2. | ALL WORKS TO BE CARRIED OUT WITH COUNCIL/RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS. |
| 3. | STORMWATER PIPES HAVE BEEN DESIGNED TO CATER FOR THE 1 IN 100 YEAR ARI STORM EVENT. |
| 4. | REFER TO STORMWATER MANAGEMENT REPORT PREPARED BY NORTHPROP FOR FURTHER MANAGEMENT DETAILS. |
| 5. | SUBSOIL DRAINAGE TO ALL LANDSCAPED AND RETAINING WALLS. |
| 6. | ALL STORMWATER SURFACE INLET PITS TO BE FITTED WITH 'OCEANGUARD' INSERT AND 200 MICRON FILTERS. |
| 7. | PROVIDE DRAINAGE CONNECTION TO KERB IN ACCORDANCE WITH COUNCIL STANDARD DETAILS AND SPECIFICATIONS. |
| 8. | ALL STORMWATER DESIGN INDICATED IS CONCEPT FOR DEVELOPMENT APPLICATION PURPOSES ONLY AND IS SUBJECT TO DETAILED DESIGN. |

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CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION

SITWORKS & STORMWATER MANAGEMENT PLAN

JOB NUMBER

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REVISION

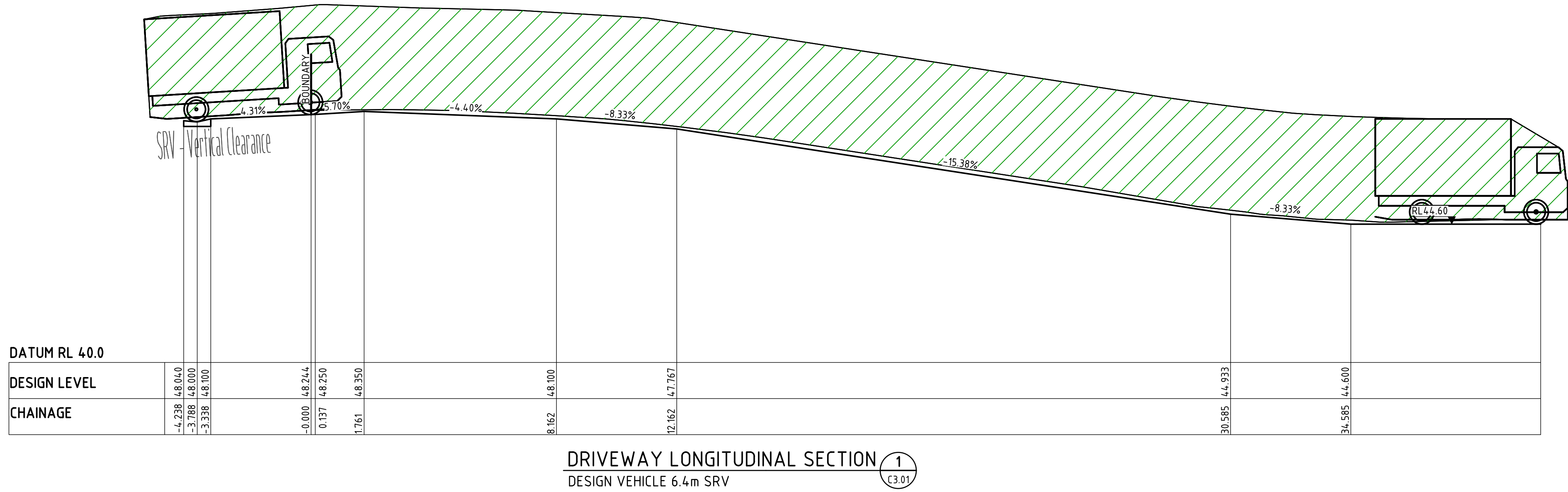
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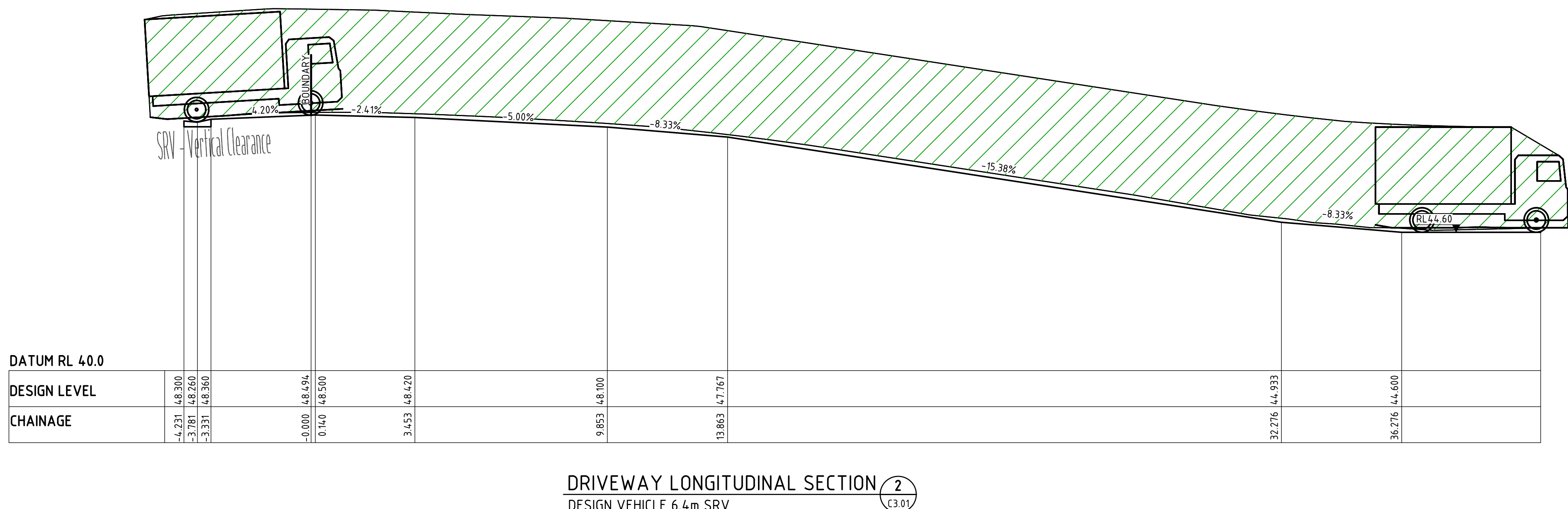
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DESIGNED: P. CORNISH
 JOB MANAGER: P. CORNISH
 VERIFIER:

DRAWN: M. HAI



DRIVEWAY LONGITUDINAL SECTION 1
 DESIGN VEHICLE 6.4m SRV



DRIVEWAY LONGITUDINAL SECTION 2
 DESIGN VEHICLE 6.4m SRV

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DRAWING TITLE

CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION

DRIVEWAY LONGITUDINAL SECTIONS

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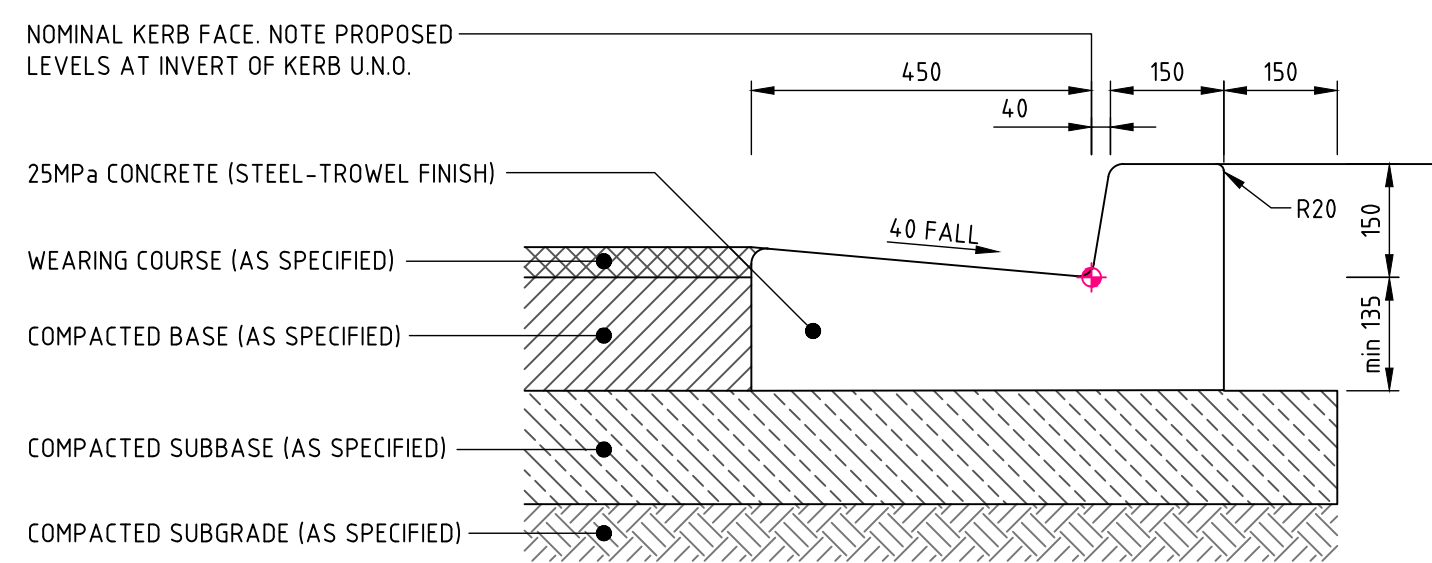
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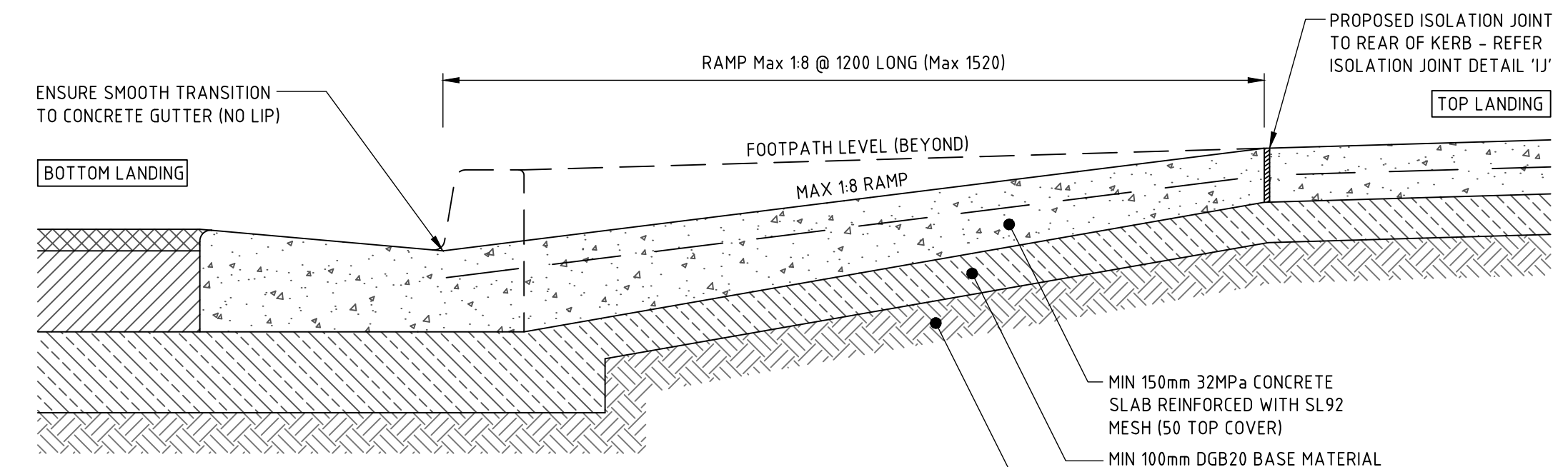
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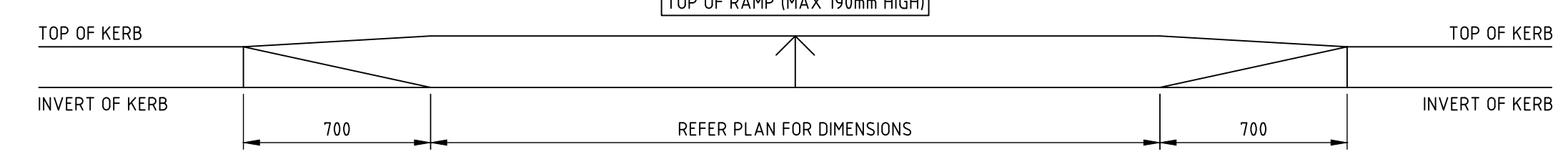
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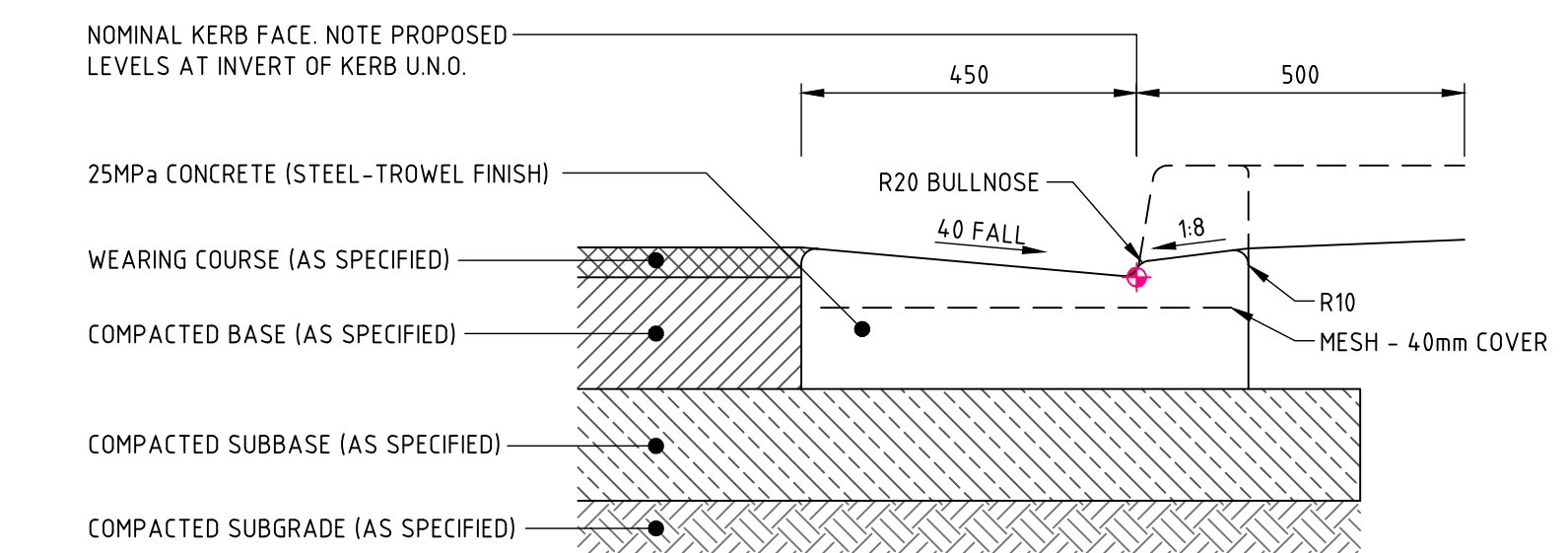
KERB & GUTTER 'KG'
 EXPANSION JOINTS @ MAX 12m CTRS / TOOL JOINTS @ MAX 3m CTRS
 ALL RADII TO BE 20mm U.N.O.



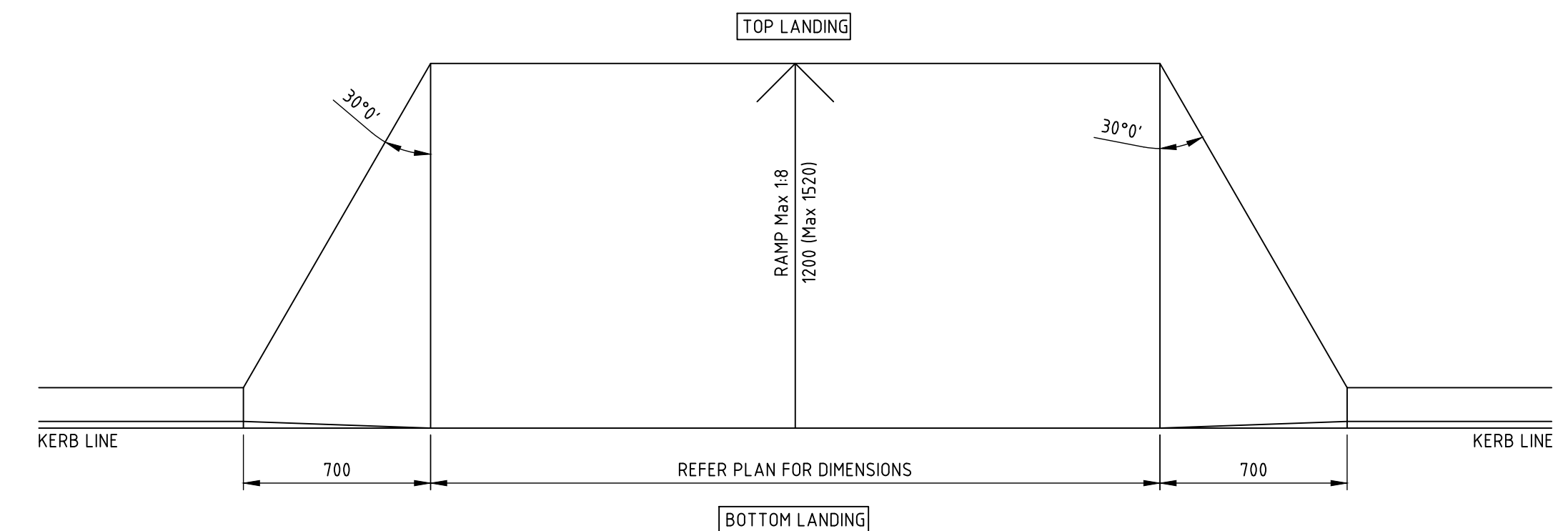
SECTION 1



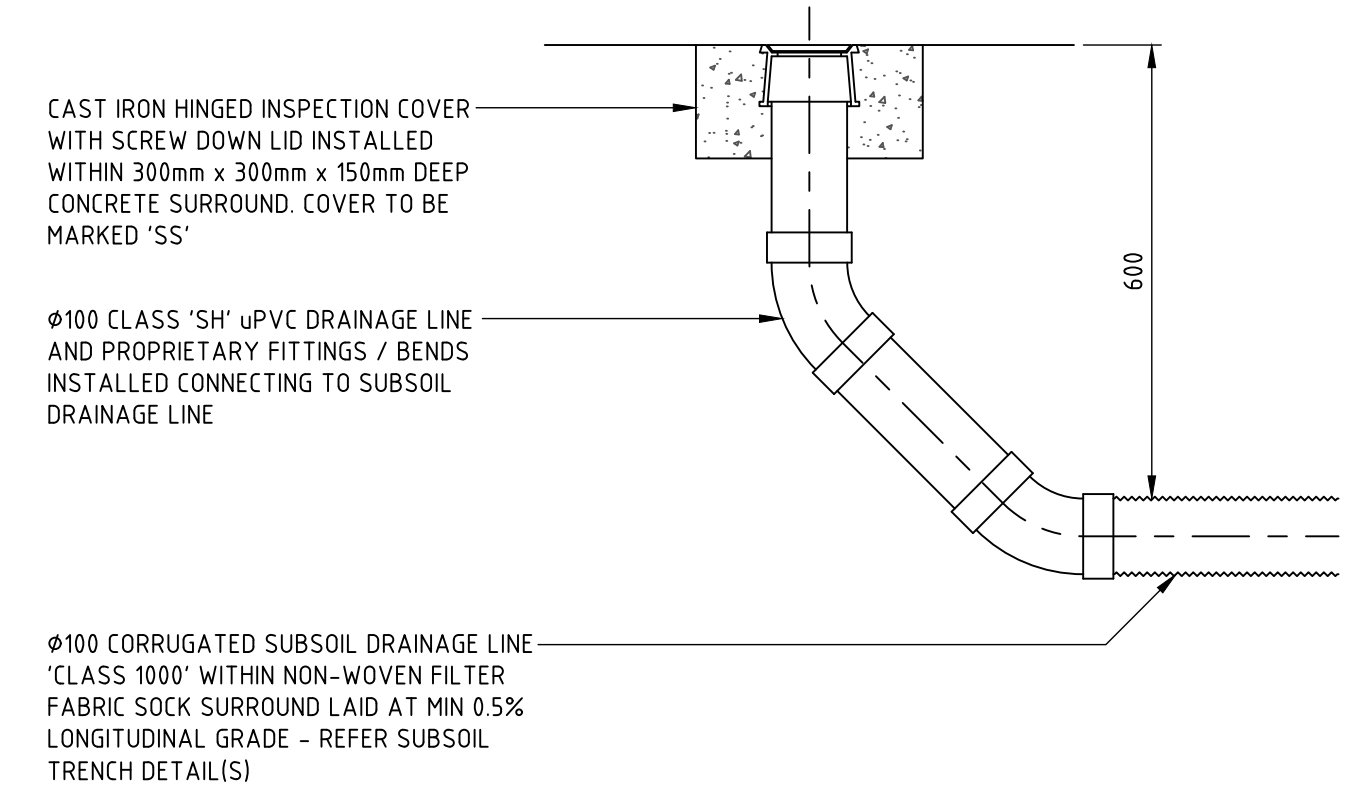
ELEVATION



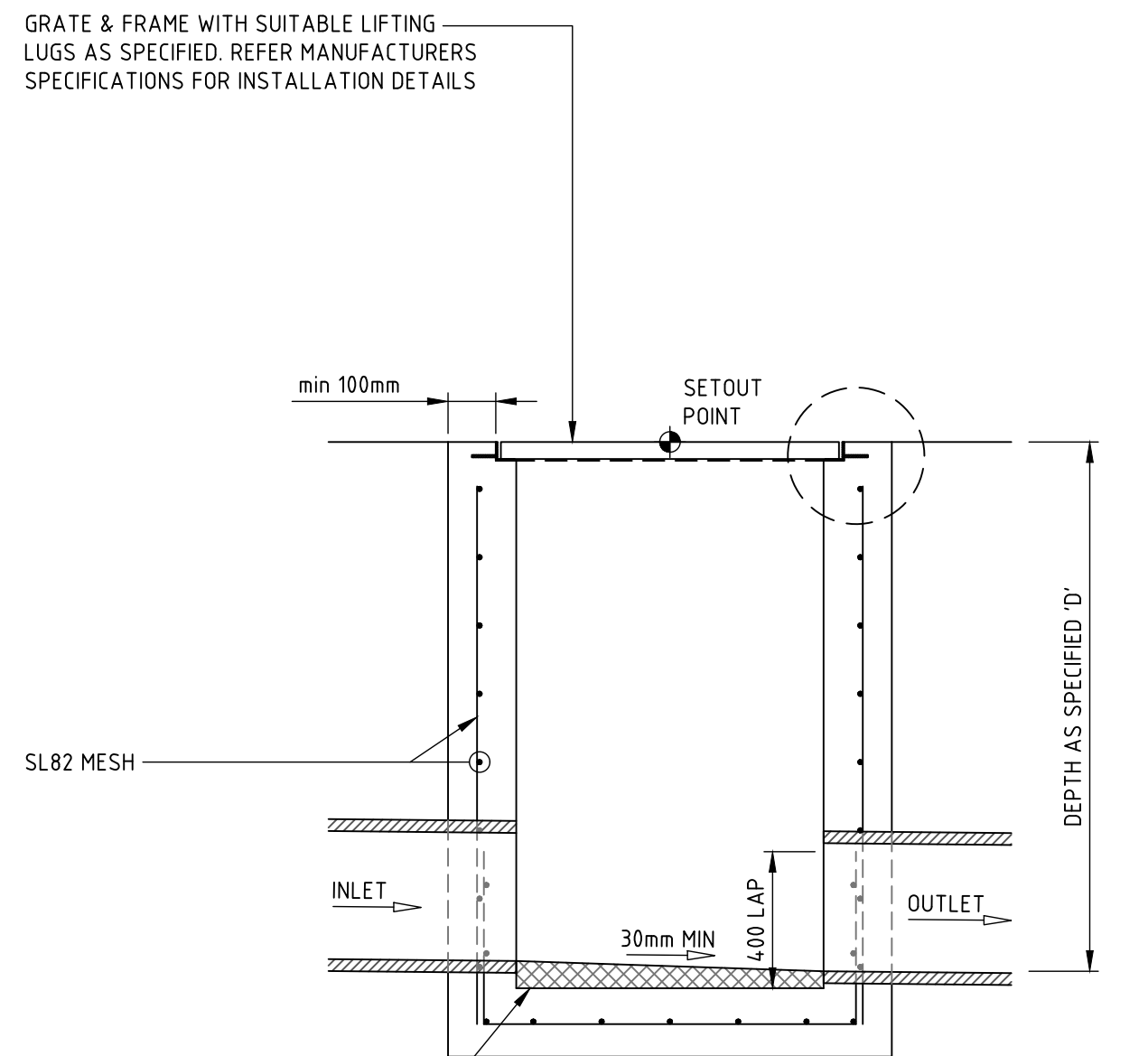
VEHICLE LAYBACK 'VC'
 EXPANSION JOINTS @ MAX 12m CTRS / TOOL JOINTS @ MAX 3m CTRS
 ALL RADII TO BE 20mm U.N.O.



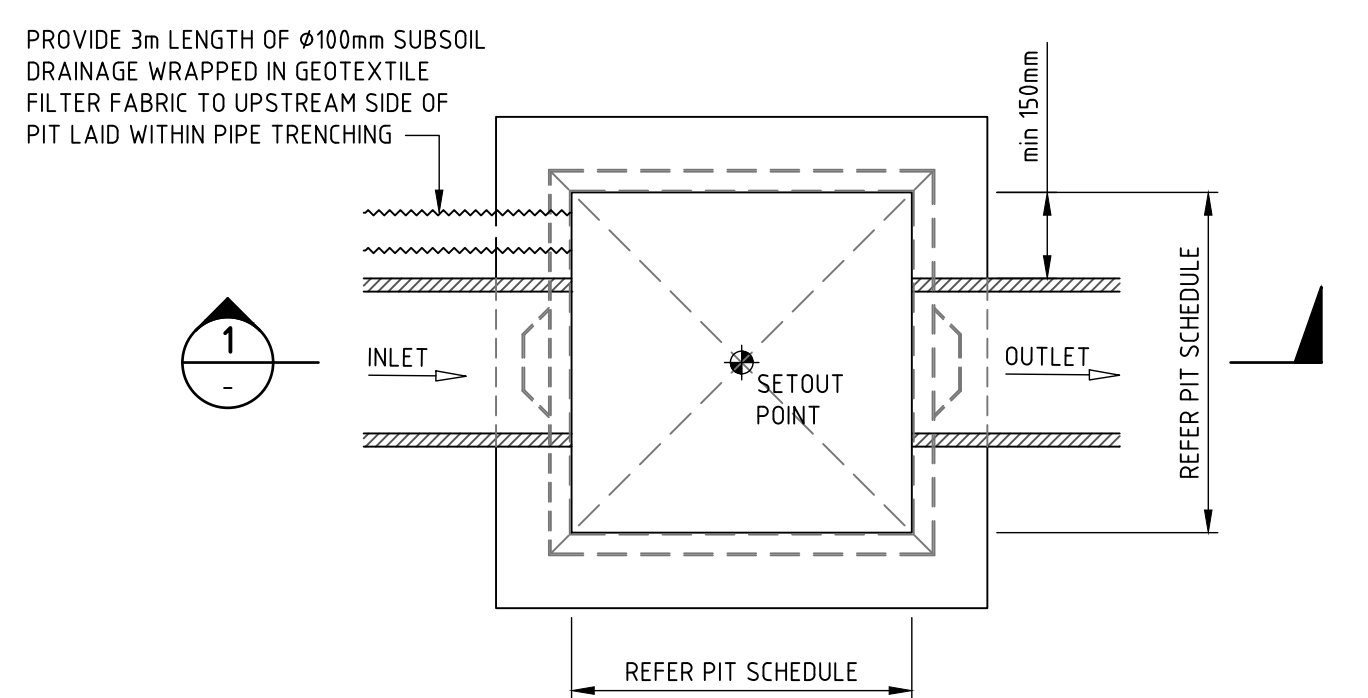
PLAN VEHICLE CROSSING 'VC'



SUBSOIL DRAINAGE CLEAROUT 'CO'
 CLEAROUT TO BE INSTALLED AT UPSTREAM POINTS ALONG SUBSOIL DRAINAGE LINES @ MAX 30m CENTRES AND DISCHARGING TO DRAINAGE STRUCTURES @ MAX 60m CENTRES.



SECTION 1



PLAN SURFACE INLET 'SIP' / JUNCTION PIT 'JP'
 PIT STRUCTURE TO BE 200mm THICK UNLESS SHOWN OTHERWISE. DRILL AND EPOXY PLASTIC PROPRIETARY STEP IRONS IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND MANUFACTURERS SPECIFICATIONS (PITS > 1000mm DEPTH). REFER PIT INTERFACE DETAIL 'F' FOR CORNER REINFORCEMENT.

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DETAILS

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DRAWING NUMBER DA_C06.01	REVISION 02
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