

HUNTERVIEW VILLAGE

Cnr Bridgeman Rd and GLASS PARADE, HUNTERVIEW. NSW. 2330.

- CIVIL DRAWINGS -



DRAWING SCHEDULE

DRG No.	DRAWING TITLE
DA00	COVER SHEET AND DRAWING SCHEDULE
DA01	CONCEPT EROSION AND SEDIMENT CONTROL PLAN
DA02	CONCEPT EROSION AND SEDIMENT CONTROL DETAILS
DA03	CONCEPT STORMWATER MANAGEMENT AND LEVELS PLAN PART 1 OF 3
DA04	CONCEPT STORMWATER MANAGEMENT AND LEVELS PLAN PART 2 OF 3
DA05	CONCEPT STORMWATER MANAGEMENT AND LEVELS PLAN PART 3 OF 3
DA06	CIVIL DETAILS
DA10	CONCEPT BULK EARTHWORKS PLAN
DA11	CONCEPT BULK EARTHWORKS SECTIONS

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	PROJECT	DRAWING TITLE	JOB NUMBER
1	PRELIMINARY	SF		DH	23.02.15	WOOLWORTHS PTY LTD	ROTHEL PARTNERS	HUNTERVIEW VILLAGE	COVER SHEET AND	TL140118
A	ISSUED FOR DEVELOPMENT APPLICATION	SF	CS	DH	05.03.15			Cnr Bridgeman Rd and Glass Pde	DRAWING NUMBER	DA00
B	RE- ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	29.06.15			HUNTERVIEW. NSW. 2330	REVISION	E
C	RE- ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	14.08.15					
D	RE- ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	17.08.15					
E	REVISED AS CLOUDED & RE- ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	01.04.16					

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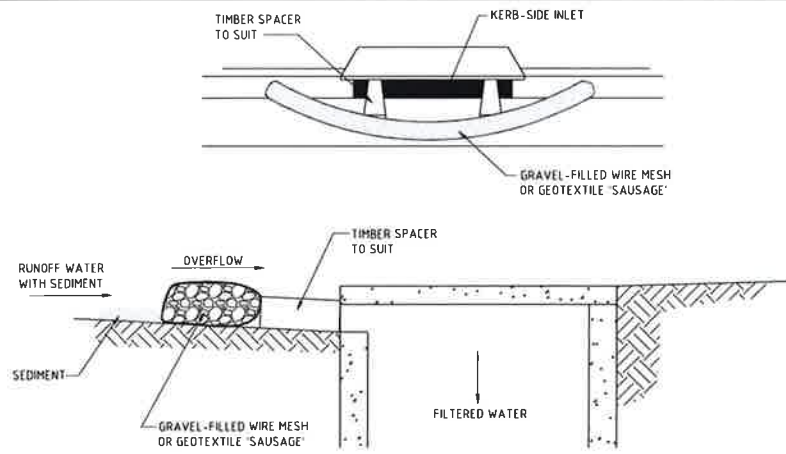
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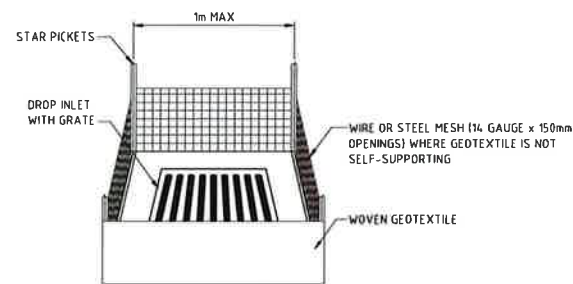
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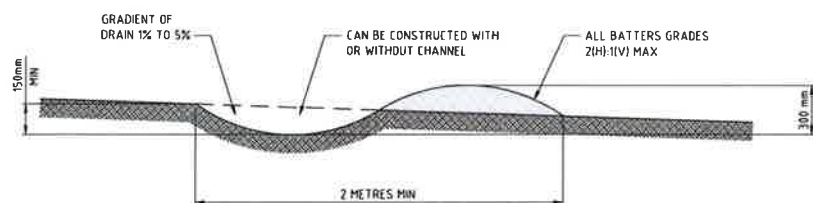
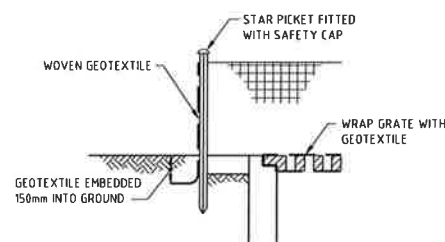
MESH AND GRAVEL INLET FILTER
SD 6-11

NOTES

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH THE SPACER BLOCKS
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND THE SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN



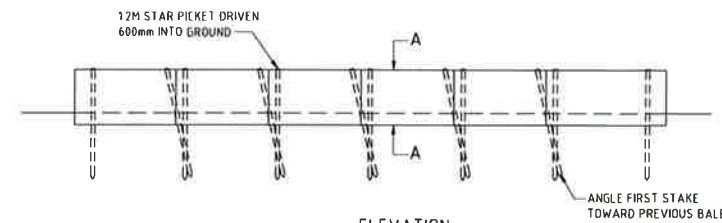
SD 6-12



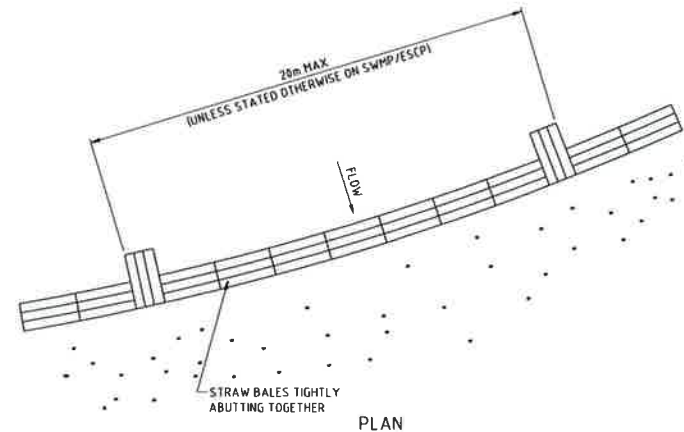
EARTH BANK (LOW FLOW) SD 5-5

NOTES

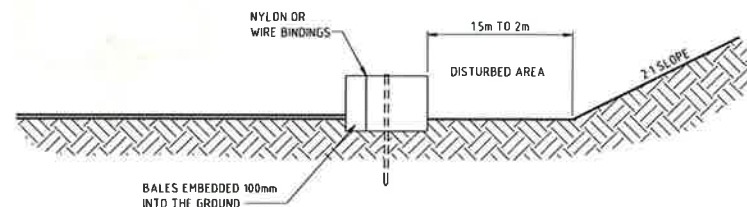
1. BUILD WITH GRADIENTS BETWEEN 1 PERCENT AND 5 PERCENT
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION



ELEVATION



PLAN

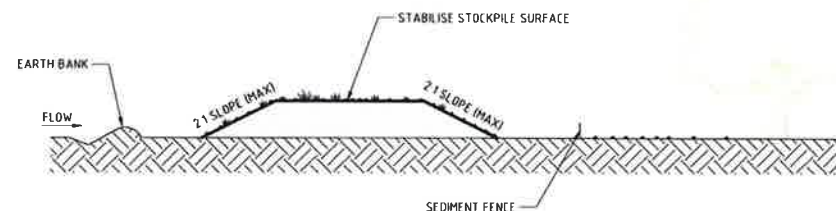


SECTION AA

STRAW BALE FILTER SD 6-7

NOTES

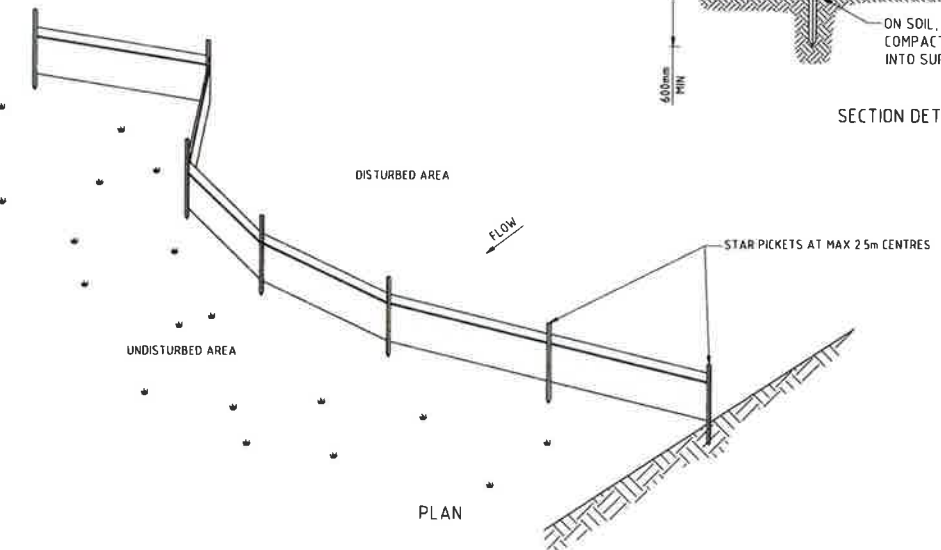
1. CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS ARE TO BE PLACED PARALLEL TO THE GROUND
3. ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE
4. EMBE EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 12m STAR PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE THEM 600mm INTO THE GROUND AND, IF POSSIBLE, FLUSH WITH THE TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE BALES, ENSURE THEY ARE FITTED WITH SAFETY CAPS
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWN SLOPE FROM A DISTURBED BATTER, ENSURE THE BALES ARE PLACED 1 TO 2m DOWNSLOPE FROM THE TOE
6. ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED - THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS



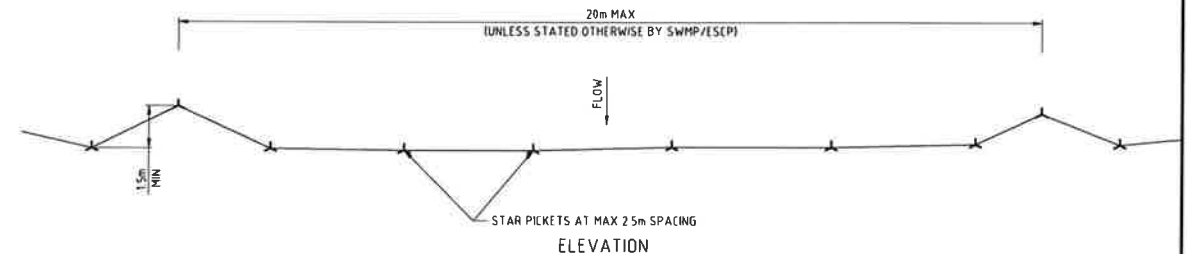
STOCKPILES (SD 4-1)

NOTES

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE



PLAN



ELEVATION

SEDIMENT FENCE SD 6-8

NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50L/SEC IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
3. DRIVE 15m LONG STAR PICKETS INTO THE GROUND AT 2.5m INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH THE WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH 150mm OVERLAP
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE

NOT FOR CONSTRUCTION

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1	PRELIMINARY	SF		DH	23 02 15	WOOLWORTHS PTY LTD
A	ISSUED FOR DEVELOPMENT APPLICATION	SF	CS	DH	05 03 15	
B	RE - ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	29 06 15	
C	RE - ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	14 08 15	
D	RE - ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	17 08 15	

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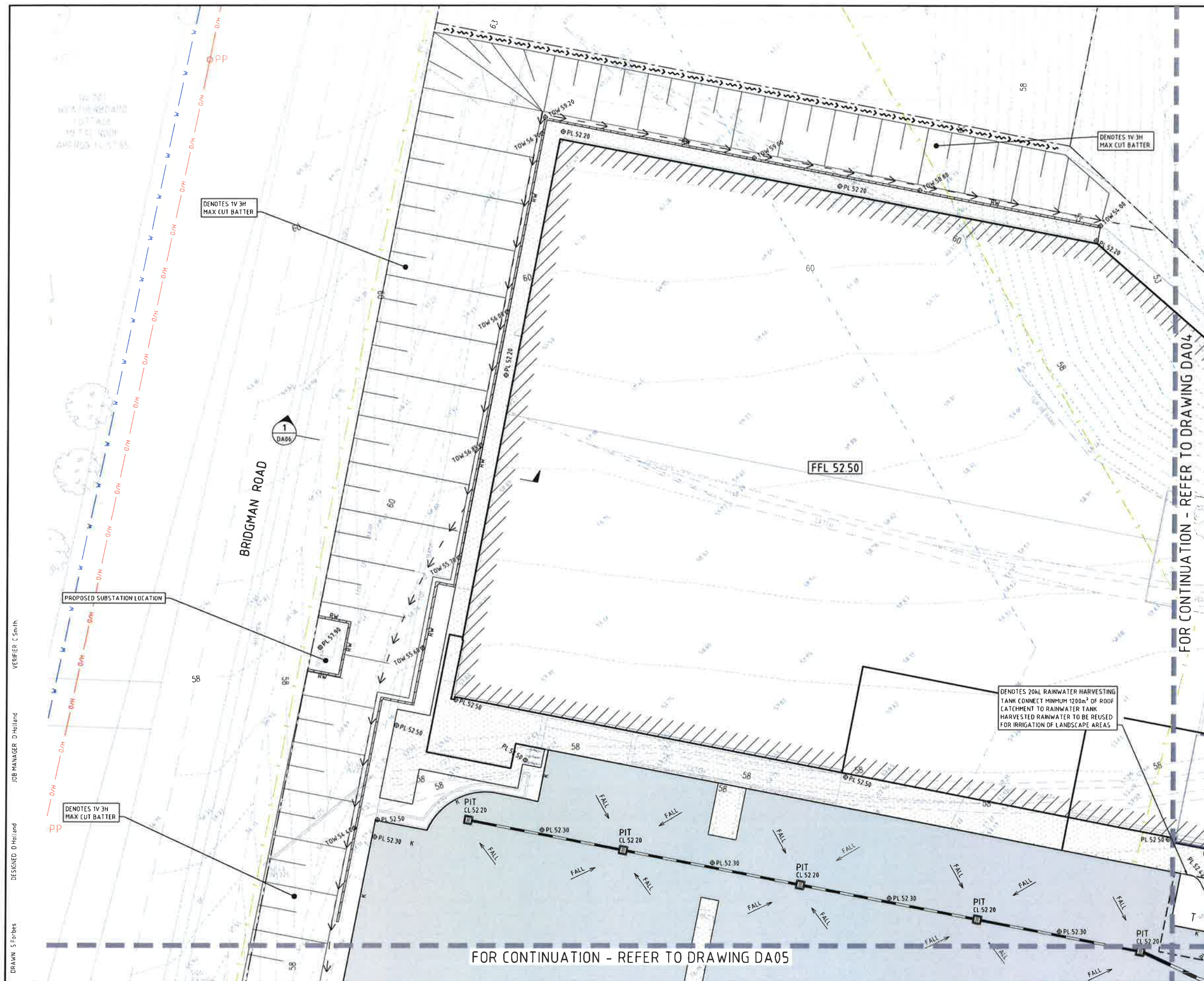
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PROJECT
HUNTERVIEW VILLAGE Cnr Bridgeman Rd and Glass Pde HUNTERVIEW, NSW. 2330

DRAWING TITLE
CONCEPT EROSION AND SEDIMENT CONTROL DETAILS

JOB NUMBER
TL140118
DRAWING NUMBER
DA02
REVISION
D
DRAWING SHEET SIZE : A1



- LEGEND**
- PIT CL 52.20 DENOTES PROPOSED STORMWATER PIT AND COVER LEVEL DETAILS & PIT SCHEDULE TO BE PROVIDED AT CC STAGE
 - WQD1 DENOTES PROPOSED WATER QUALITY DEVICE HUMES MULTICEPTOR M19 OR APPROVED EQUIVALENT
 - WQD2 DENOTES PROPOSED WATER QUALITY DEVICE HUMES FILL FISH #7400-8-2 OR APPROVED EQUIVALENT
 - WQD3 DENOTES PROPOSED WATER QUALITY DEVICE HUMEGUARD GPT OR APPROVED EQUIVALENT
 - DENOTES PROPOSED STORMWATER DRAINAGE PIPE
 - FFL 52.50 DENOTES PROPOSED FINISHED FLOOR LEVEL
 - PL 52.30 DENOTES PROPOSED FINISHED SURFACE LEVEL
 - DENOTES PROPOSED DOWNPIPE LINE DRAINING TO OSD TANK
 - FALL DENOTES PROPOSED DIRECTION OF FALL IN FINISHED SURFACE
 - RW DENOTES PROPOSED RETAINING WALL DETAILS TO BE PROVIDED AT CC STAGE
 - DENOTES PROPOSED CUT OFF LANDSCAPED SWALE (MIN 2000mm WIDE x 200mm DEEP)
 - DENOTES PROPOSED OPEN GRASSED SWALE DETAILS TO BE PROVIDED AT CC STAGE
 - [Pattern] DENOTES EXTENT OF PROPOSED CARPARK PAVEMENT DETAILS TO BE PROVIDED AT CC STAGE
 - [Pattern] DENOTES EXTENT OF PROPOSED FOOTPATH PAVEMENT DETAILS TO BE PROVIDED AT CC STAGE
 - [Pattern] DENOTES EXTENT OF PROPOSED CROSSOVER PAVEMENT VEHICLE CROSSOVER TO SINGLETON COUNCIL SPECIFICATION
 - [Pattern] DENOTES EXTENT OF EXISTING ROAD PAVEMENT
 - [T] DENOTES UNDER GROUND DETENTION TANK WITH 250kL CAPACITY DETAILS WILL BE PROVIDED AT CC
 - MTE DENOTES MATCH TO EXISTING LEVELS
 - K DENOTES KERB DETAILS TO BE PROVIDED AT CC STAGE
 - [Pit] DENOTES EXISTING STORMWATER PIT
 - [Line] DENOTES EXISTING STORMWATER PIPE
 - [W] DENOTES EXISTING WATER MAIN
 - [OH] DENOTES EXISTING OVERHEAD POWER LINE
 - [E] DENOTES EXISTING UNDERGROUND POWER LINE
 - [T] DENOTES EXISTING TELSTRA LINE
 - [S] DENOTES EXISTING TELSTRA LINE
 - [PP] DENOTES EXISTING POWER POLE
 - [SMH] DENOTES EXISTING SEWER MAN HOLE
 - [OSL] DENOTES EXISTING STREET LIGHT

DRAWN S Forbes
DESIGNED D Holland
JOB MANAGER D Holland
VERIFIER C Smith

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D	RE- ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	17 08 15
E	REVISED AS CLOUD & RE- ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	01 04 16

CLIENT	WOOLWORTHS PTY LTD
ARCHITECT	ROTHWELL

ARCHITECT
ROTHWELL
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PROJECT	HUNTERVIEW VILLAGE Cnr Bridgeman Rd and Glass Pde HUNTERVIEW, NSW. 2330
DRAWING NUMBER	DA03
REVISION	E

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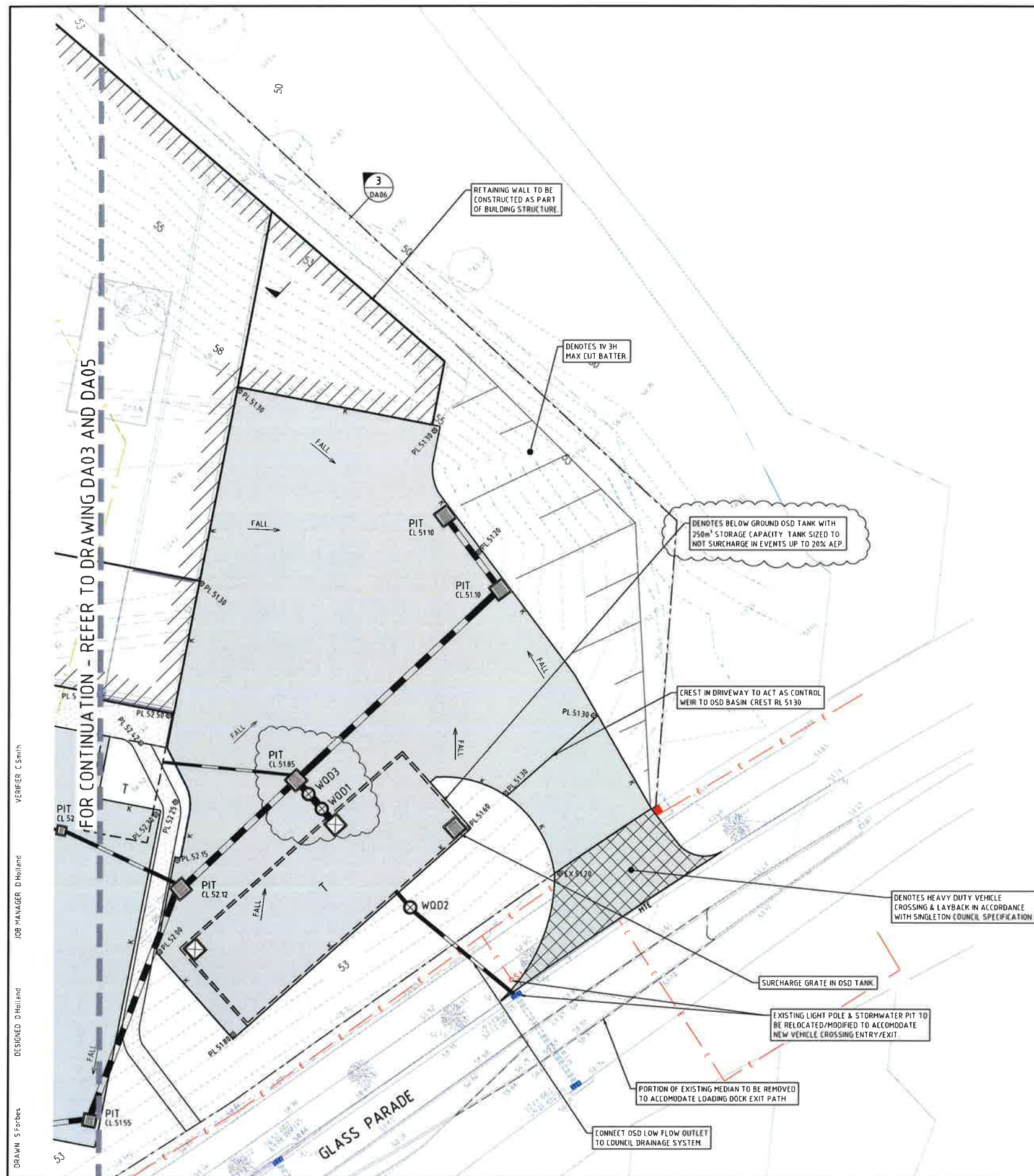
DRAWING TITLE	CONCEPT STORMWATER MANAGEMENT AND LEVELS PLAN PART 1 OF 3
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JOB NUMBER	TL140118
DRAWING SHEET SIZE	A1





DRAWINGS TO BE READ IN CONJUNCTION WITH
CONCEPT STORMWATER MANAGEMENT REPORT

NOT FOR CONSTRUCTION

REFER TO DRAWING DA03 FOR LEGEND



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A	PRELIMINARY	SF		DH	23.02.25	WOOLWORTHS PTY LTD	 ALL SETOUT TO ARCHITECT'S DRAWINGS. DIMENSIONS TO BE VERIFIED WITH THE ARCHITECT AND ON SITE BEFORE MAKING SHOP DRAWINGS OR COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.	 PLANS 1200 	 Central Coast Suite 4, 257-259 Central Coast Hwy, Erina NSW 2250 Ph (02) 4365 1668 Fax (02) 4367 6505 Email: centralcoast@northrop.com.au ADRI 61 034 453 150	HUNTERVIEW VILLAGE Cnr Bridgeman Rd and Glass Pde HUNTERVIEW, NSW. 2330	CONCEPT STORMWATER MANAGEMENT AND LEVELS PLAN PART 2 OF 3	TL140118
B	ISSUED FOR DEVELOPMENT APPLICATION	SF	CS	DH	05.03.15							
C	RE - ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	29.06.15							
D	RE - ISSUED FOR DEVELOPMENT APPLICATION	CD	CS	DH	14.08.15							
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FOR CONTINUATION - REFER TO DRAWING DA03

LEGEND
REFER TO DRAWING DA03 FOR LEGEND

DENOTES HEAVY DUTY VEHICLE CROSSING & LAYBACK IN ACCORDANCE WITH SINGLETON COUNCIL SPECIFICATION

EXTEND MEDIAN & KERB & GUTTER PAST PROPOSED VEHICLE CROSSING

FOR CONTINUATION - REFER TO DRAWING DA04

EXTEND KERB & GUTTER & FOOTPATH TO ACCOMMODATE PROPOSED NEW VEHICLE ENTRY/EXIT

MEDIAN TO BE EXTENDED TO INCREASE RIGHT TURN STORAGE

CONSTRUCT PRAM RAMP

STREET LIGHT TO BE RELOCATED PROPOSED LOCATION TO BE DETERMINED AT CC STAGE

DENOTES UNCONTROLLED AREA DISCHARGING DIRECTLY TO ROAD SYSTEM

CONSTRUCT PRAM RAMP

GLASS PARADE

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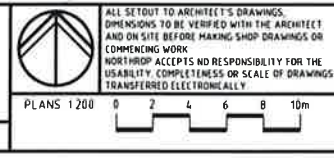
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ARCHITECT
ROTHWELL

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PROJECT
HUNTERVIEW VILLAGE
Cnr Bridgeman Rd and Glass Pde
HUNTERVIEW, NSW. 2330

DRAWING TITLE
CONCEPT STORMWATER
MANAGEMENT AND LEVELS PLAN
PART 3 OF 3

JOB NUMBER
TL140118

DRAWING NUMBER
DA05

REVISION
D

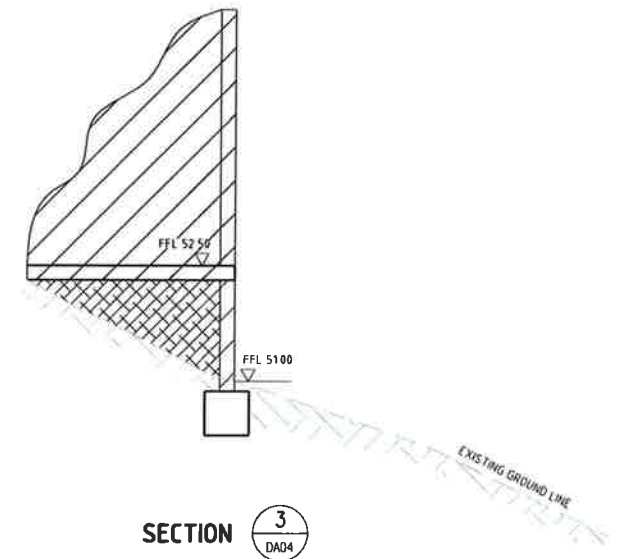
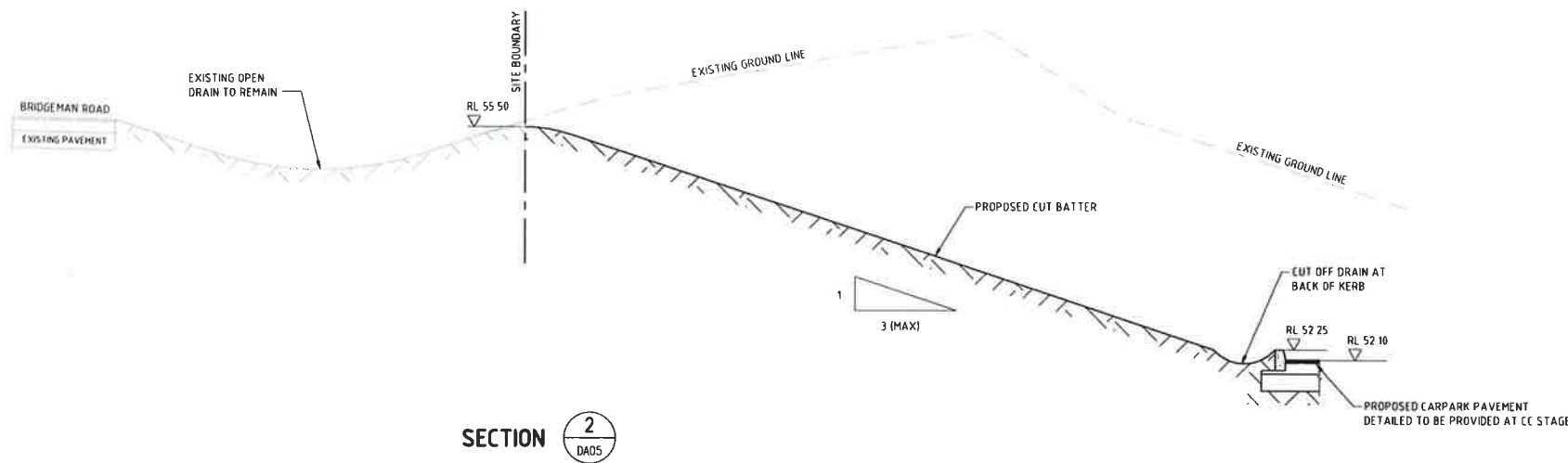
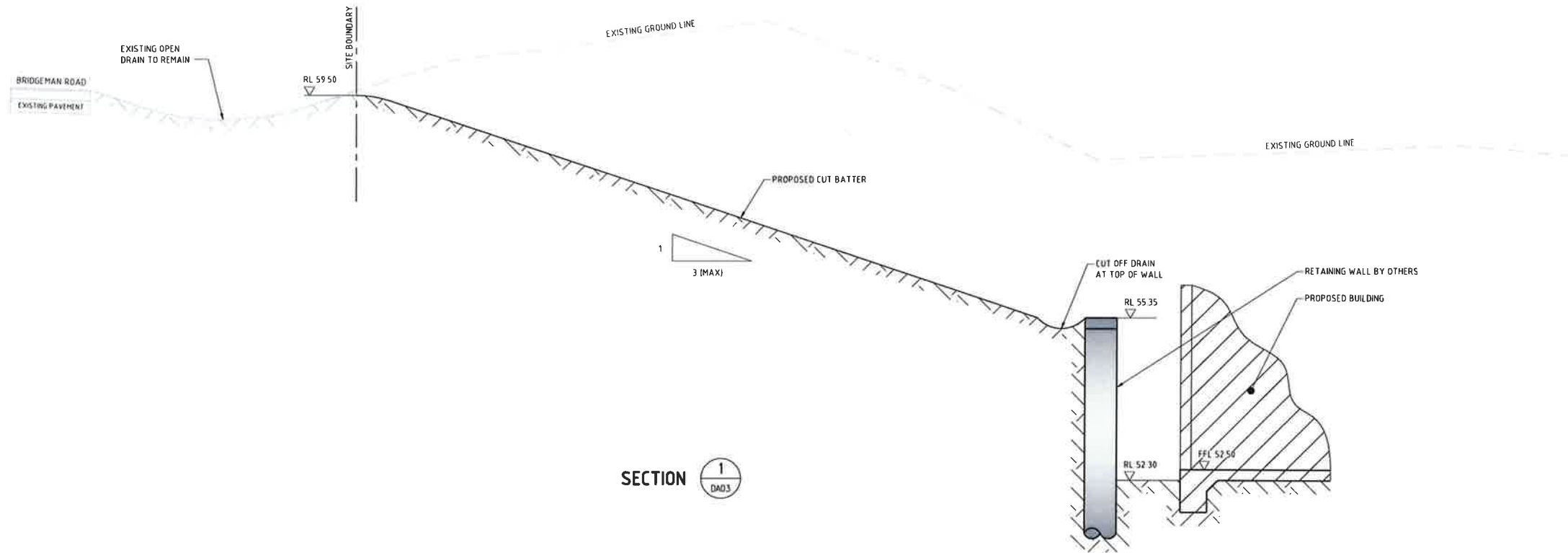
DRAWING SHEET SIZE - A1

VERIFIER C Smith

JOB MANAGER D Holland

DESIGNED D Holland

DRAWN S Forbes

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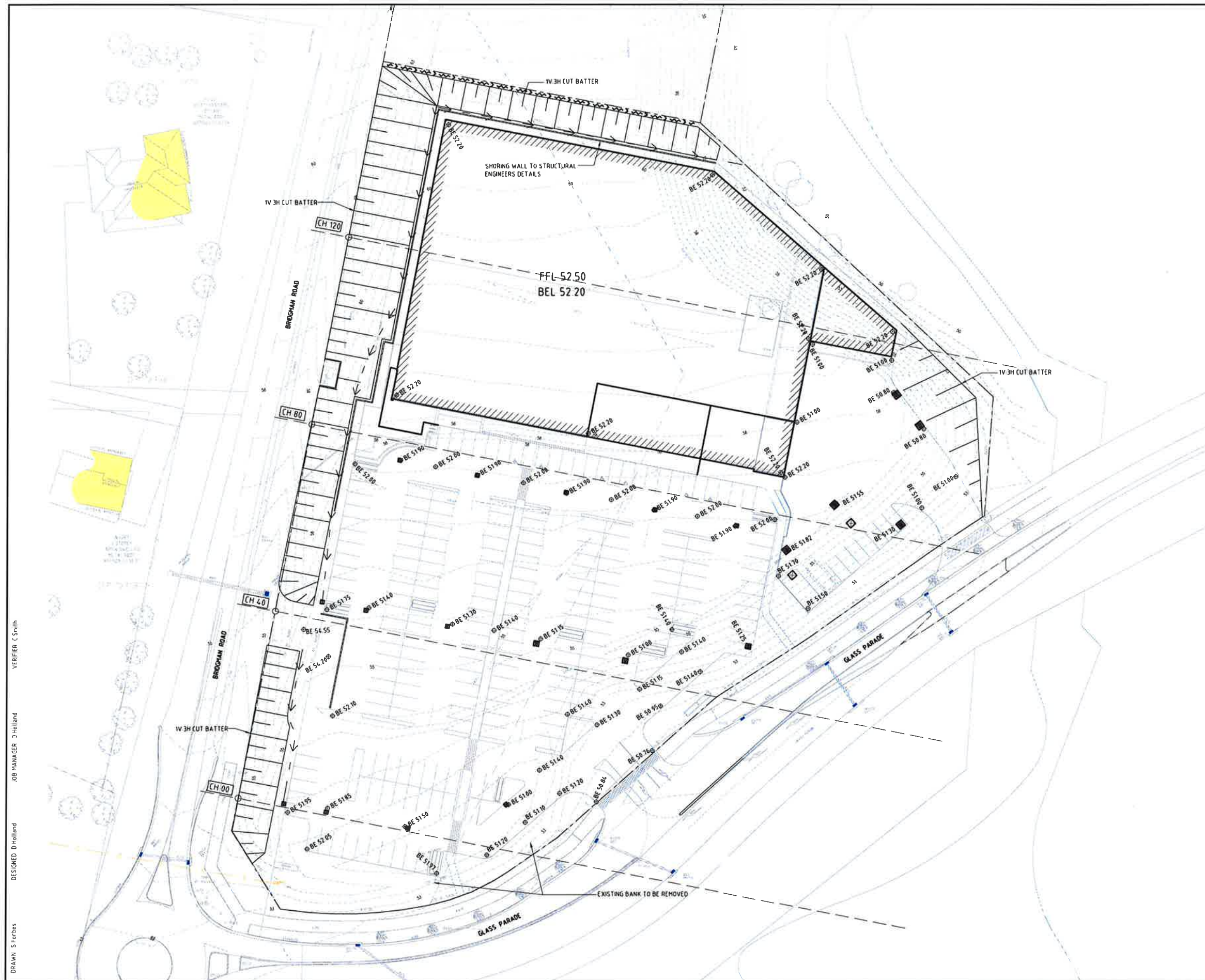
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DETAILS 150	0 0.5 1 1.5 2 2.5m

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DRAWING TITLE	CIVIL DETAILS
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JOB NUMBER	TL140118
DRAWING NUMBER	DA06
REVISION	D
DRAWING SHEET SIZE	A1



LEGEND

- FFL 30.50 DENOTES PROPOSED FINISHED FLOOR LEVEL
- BEL 30.50 DENOTES PROPOSED PAD BULK EARTHWORKS LEVEL
- BE 30.48 DENOTES PROPOSED BULK EARTHWORKS LEVEL

BULK EARTHWORKS NOTES

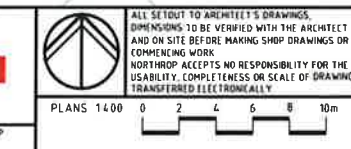
- PRELIMINARY CUT VOLUME ESTIMATED TO BE 90,000m³, BULKING FACTOR EQUALS 1
- PRELIMINARY CUT VOLUME BASED ON:
 - BUILDING PAD BOX OUT TO SUBGRADE LEVEL, SLAB + SUBBASE ± 300mm
 - PAVEMENT BOX OUT TO SUBGRADE, PAVEMENT THICKNESS ± 300mm
 - MATERIAL GENERATED FROM DETAILED EXCAVATIONS IE, STORMWATER, OSD TANK, SERVICES, FOOTINGS ECT HAVE NOT BEEN INCLUDED IN CUT VOLUME
- CUT/FILL QUANTITIES ARE FOR INFORMATION PURPOSES ONLY AND SHALL NOT BE USED FOR TENDER PURPOSES

DRAWN: S Forbes
DESIGNED: D Holland
JOB MANAGER: D Holland
VERIFIER: C Smith

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
A	ISSUED FOR DEVELOPMENT APPLICATION	PT		DH	04.03.16
B	GENERALLY REVISED & ISSUED FOR DEVELOPMENT APPLICATION	PT		DH	01.04.16

CLIENT	WOOLWORTHS PTY LTD
ARCHITECT	ROTHROPP
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ARCHITECT	ROTHROPP
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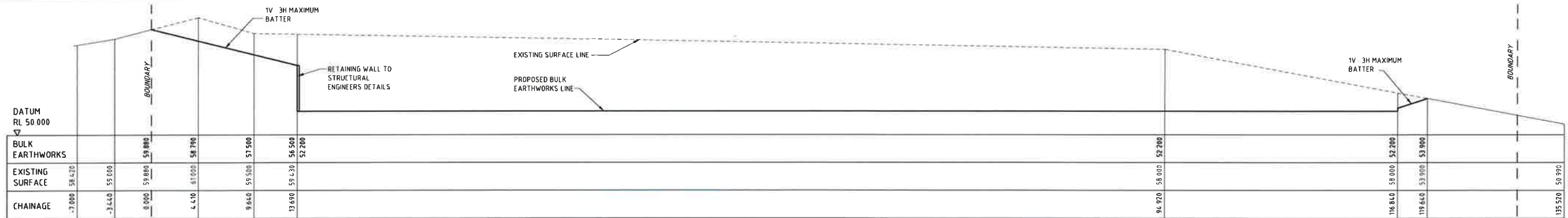
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Ph (02) 4305 1668 Fax (02) 4367 6555
Email: centralcoast@northrop.com.au ABN 81 094 433 100

PROJECT	HUNTERVIEW VILLAGE Cnr Bridgeman Rd and Glass Pde HUNTERVIEW, NSW, 2330
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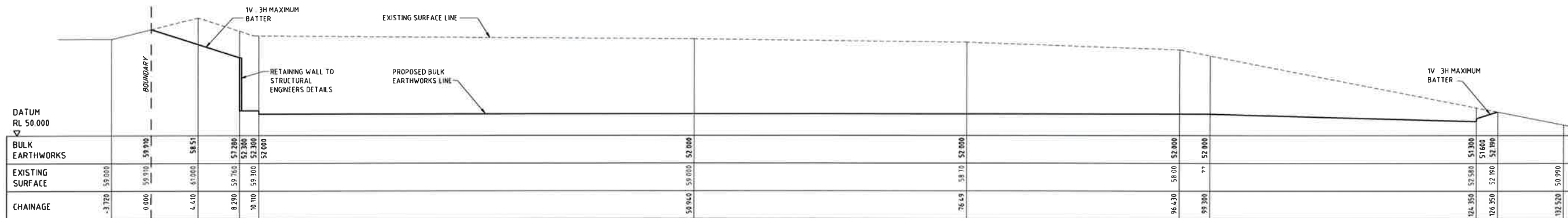
DRAWING TITLE	CONCEPT BULK EARTHWORKS PLAN
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JOB NUMBER	TL140118
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REVISION	B
DRAWING SHEET SIZE = A1	

NOT FOR CONSTRUCTION

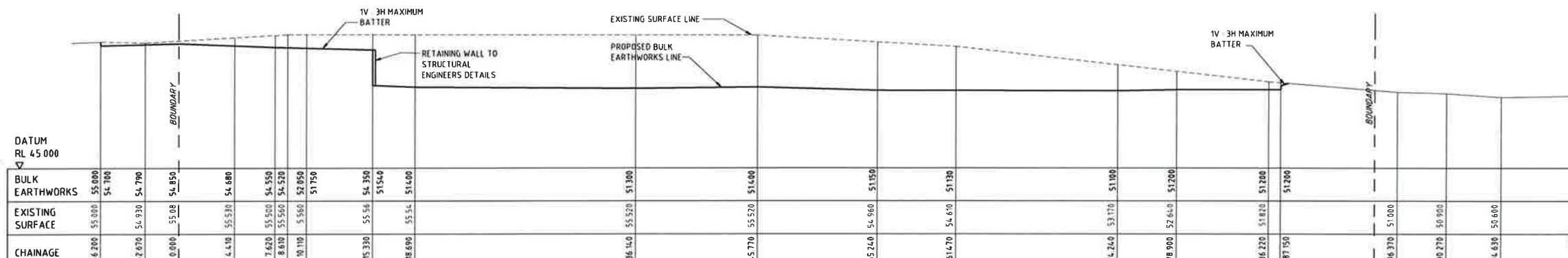


BULK EARTHWORKS SECTION - CHAINAGE 120



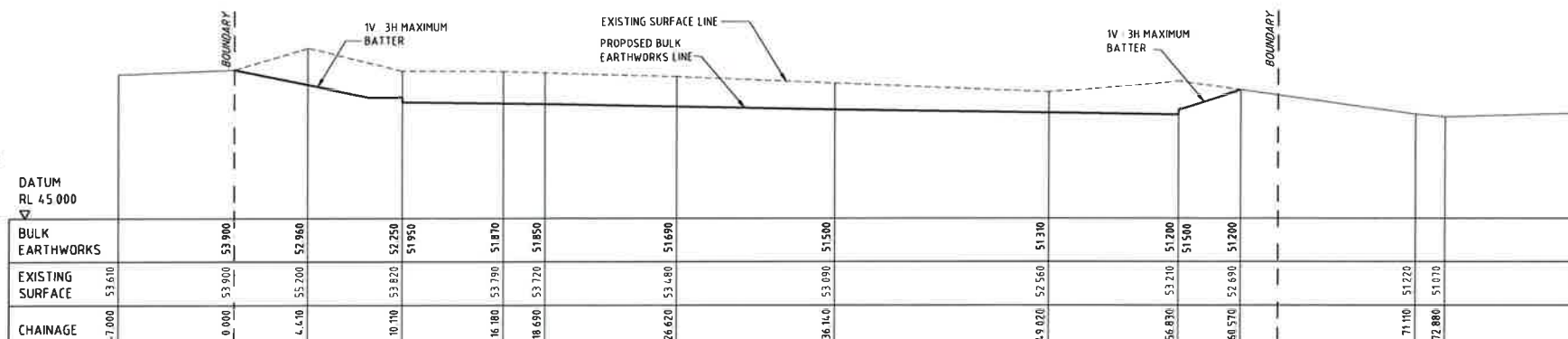
BULK EARTHWORKS SECTION - CHAINAGE 80

SCALES HORIZ 1 200
VERT 1 200



BULK EARTHWORKS SECTION - CHAINAGE 40

SCALES HORIZ 1 200
VERT 1 200



BULK EARTHWORKS SECTION - CHAINAGE 00

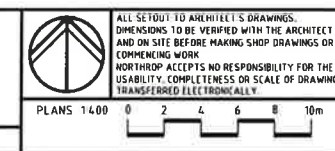
SCALES HORIZ 1 200
VERT 1 200

DESIGNED D Holland
JOB MANAGER D Holland
DRAWN S Forbes
VERIFIED C Smith

REVISION	DESCRIPTION	ISSUED	VER D	APP D	DATE
A	ISSUED FOR DEVELOPMENT APPLICATION	PT		DH	01/04/16

CLIENT	WOOLWORTHS PTY LTD
ARCHITECT	ROTHWELL PARTNERS
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PROJECT	HUNTERVIEW VILLAGE Cnr Bridgeman Rd and Glass Pde HUNTERVIEW, NSW. 2330
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DRAWING TITLE	CONCEPT BULK EARTHWORKS SECTIONS
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JOB NUMBER	TL140118
DRAWING NUMBER	DA11
REVISION	A
DRAWING SHEET SIZE - A1	

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