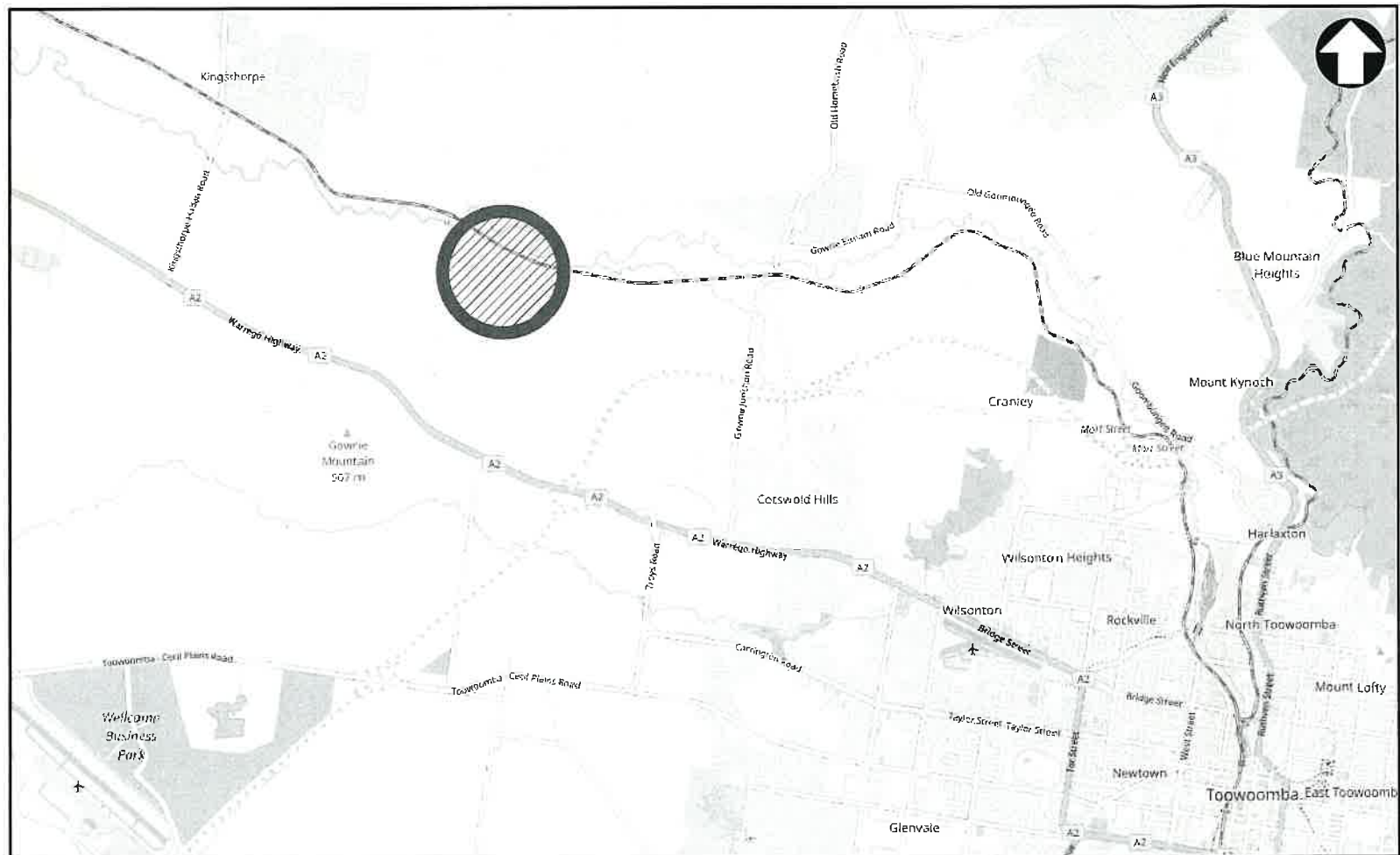


AC & K DEVELOPMENTS

LOT 13 NASS ROAD



SOURCE: OPEN STREET MAP, 2017

LOCALITY PLAN
N.T.S

DRAWING INDEX

SHEET NO.	DESCRIPTION
100	LOCALITY PLAN AND DRAWING INDEX
110	EARTHWORKS CONCEPT LAYOUT PLAN
111	EARTHWORKS SECTIONS
112	ENTRY RAMP LAYOUT PLAN AND SECTION
120	WATER RETICULATION CONCEPT LAYOUT PLAN
130	SEWER RETICULATION CONCEPT LAYOUT
140	STORMWATER CONCEPT LAYOUT PLAN - STAGE 1
141	STORMWATER CONCEPT LAYOUT PLAN - STAGE 2

PRELIMINARY
NOT FOR CONSTRUCTION

REV	DATE	DRAWN	APPD	DRAWING REVISION
E	18/05/17	LWK	GJB	SITE EARTHWORKS UPDATES, MOVE DRIVEWAY TO SW COR
D	28/11/16	LWK	GB	PARKING AMENDMENTS
B	30/09/16	LWK	GB	ADDED ON-SITE EFFLUENT DISPOSAL OPTION
A	15/08/16	LWK	GB	ISSUED FOR CLIENT REVIEW



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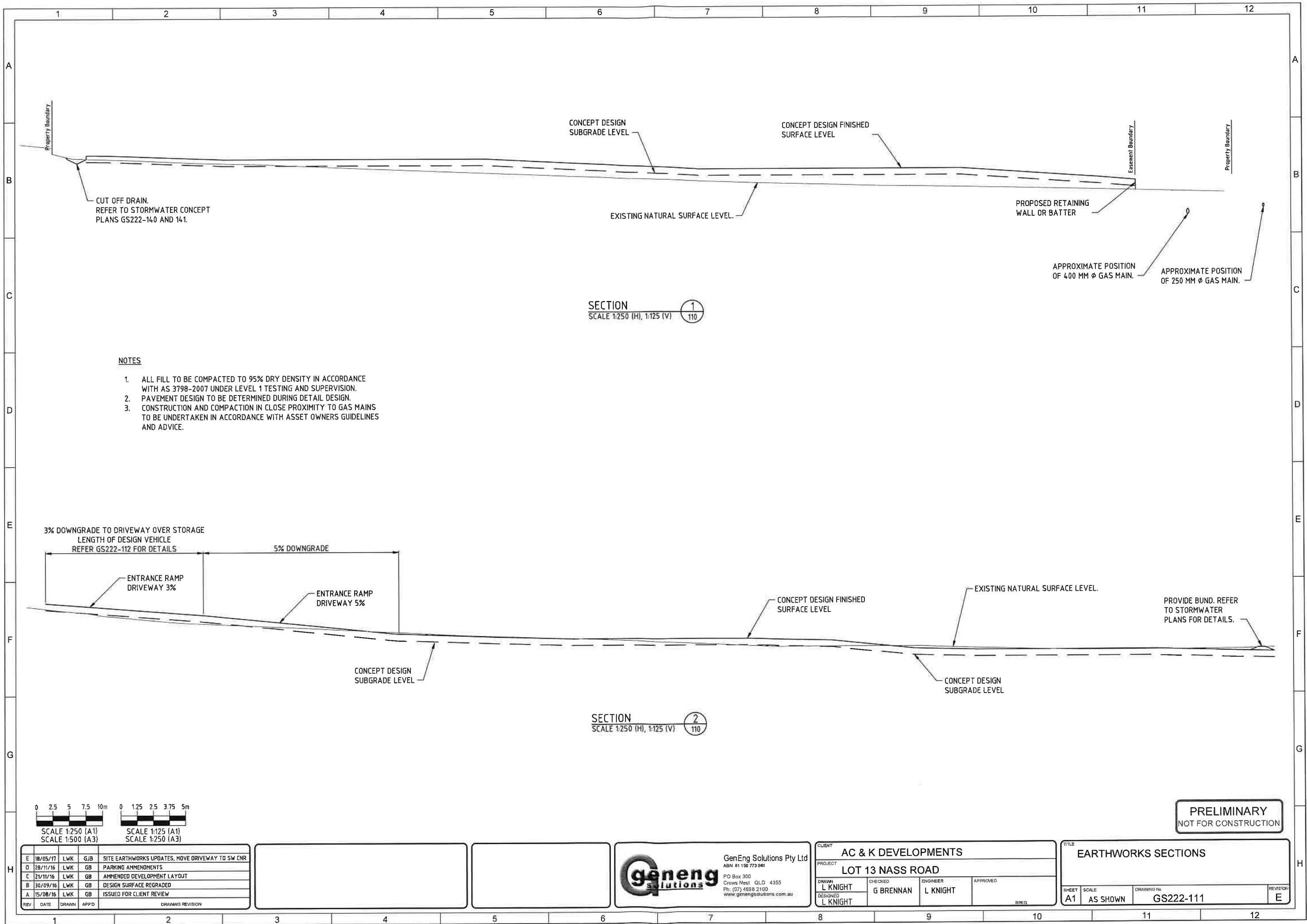
CLIENT	AC & K DEVELOPMENTS		
PROJECT	LOT 13 NASS ROAD		
DRAWN	L KNIGHT	CHECKED	G BRENNAN
DESIGNED	L KNIGHT	ENGINEER	L KNIGHT
		APPROVED	
		RFCD	

TITLE	LOCALITY PLAN & DRAWING INDEX		
SHEET	SCALE	DRAWING No	REVISION
A1	AS SHOWN	GS222-100	E

Douglas Partners

SQ Soils.





NOTES

1. ALL FILL TO BE COMPACTED TO 95% DRY DENSITY IN ACCORDANCE WITH AS 3798-2007 UNDER LEVEL 1 TESTING AND SUPERVISION.
2. PAVEMENT DESIGN TO BE DETERMINED DURING DETAIL DESIGN.
3. CONSTRUCTION AND COMPACTION IN CLOSE PROXIMITY TO GAS MAINS TO BE UNDERTAKEN IN ACCORDANCE WITH ASSET OWNERS GUIDELINES AND ADVICE.

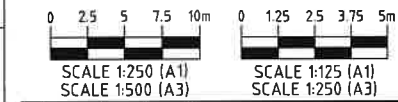
3% DOWNGRADE TO DRIVEWAY OVER STORAGE
LENGTH OF DESIGN VEHICLE
REFER GS222-112 FOR DETAILS

5% DOWNGRADE

ENTRANCE RAMP
DRIVEWAY 3%

ENTRANCE RAMP
DRIVEWAY 5%

PRELIMINARY
NOT FOR CONSTRUCTION



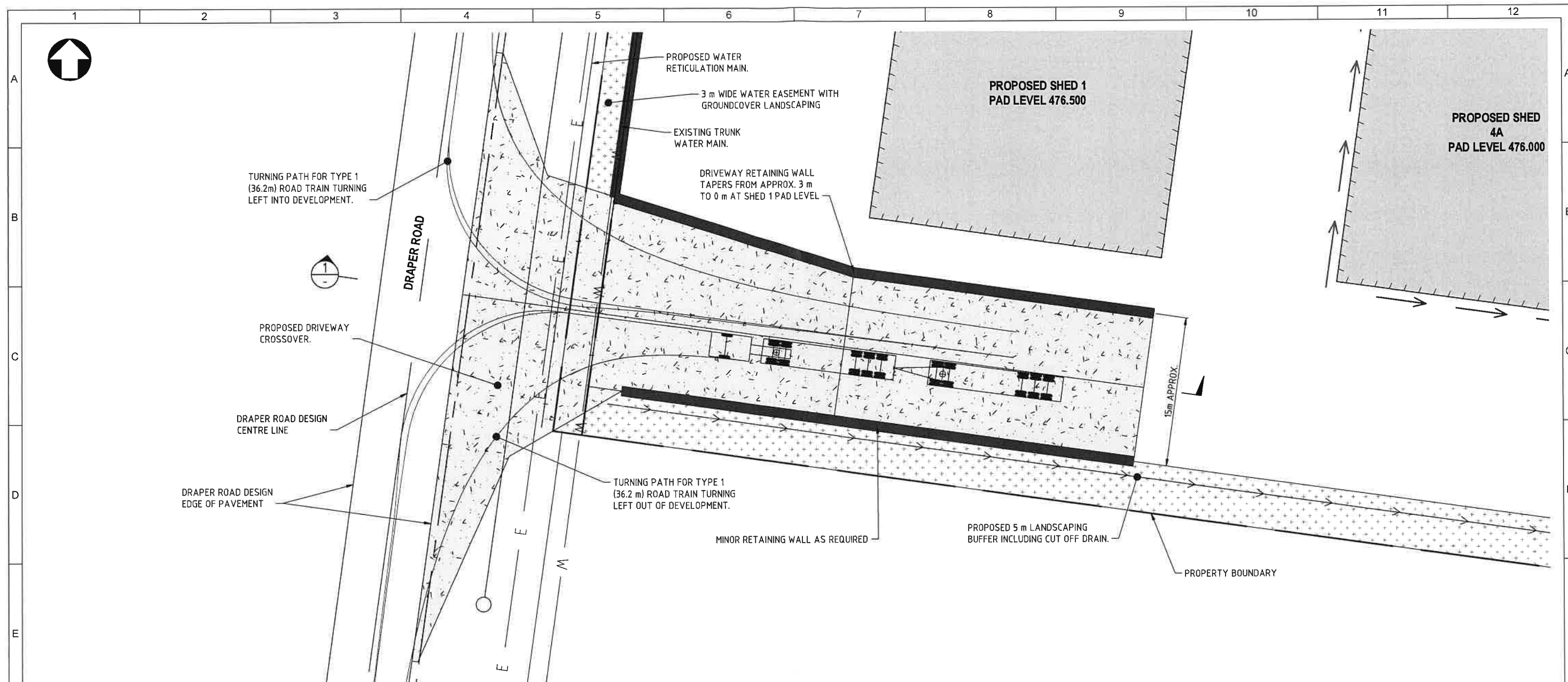
REV	DATE	DRAWN	APP'D	DRAWING REVISION
E	18/05/17	LWK	GJB	SITE EARTHWORKS UPDATES, MOVE DRIVEWAY TO SW CNR
D	28/11/16	LWK	GB	PARKING AMMENDMENTS
C	21/11/16	LWK	GB	AMMENDED DEVELOPMENT LAYOUT
B	30/09/16	LWK	GB	DESIGN SURFACE REGRADED
A	15/08/16	LWK	GB	ISSUED FOR CLIENT REVIEW



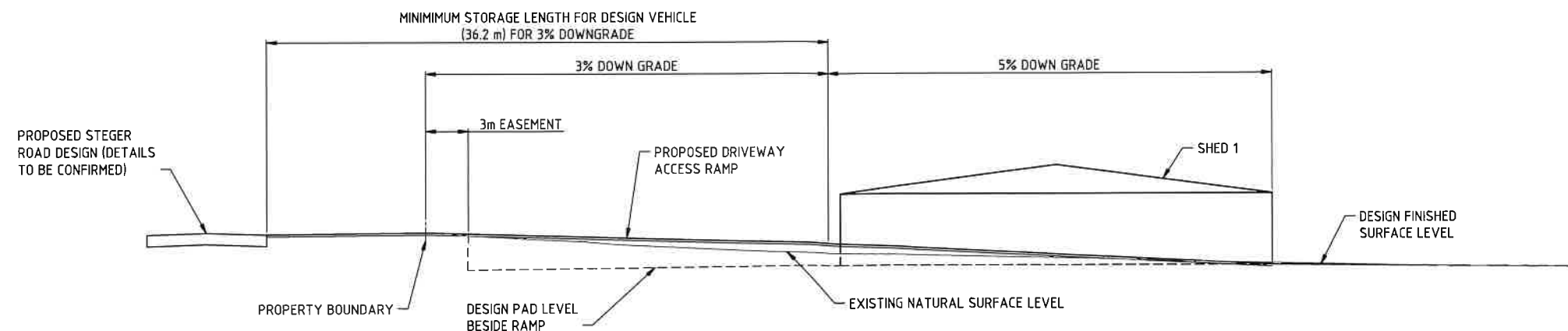
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www.genengsolutions.com.au

CLIENT		AC & K DEVELOPMENTS				
PROJECT		LOT 13 NASS ROAD				
DRAWN	L KNIGHT	CHECKED	G BRENNAN	ENGINEER	L KNIGHT	APPROVED
DESIGNED	L KNIGHT					REC'D

TITLE EARTHWORKS SECTIONS			
SHEET A1	SCALE AS SHOWN	DRAWING NO GS222-111	REVISION E



LAYOUT PLAN
SCALE 1:500



SECTION 1
SCALE 1:200

PRELIMINARY
NOT FOR CONSTRUCTION

0 5 10 15 20m
SCALE 1:500 (A1)
SCALE 1:1,000 (A3)

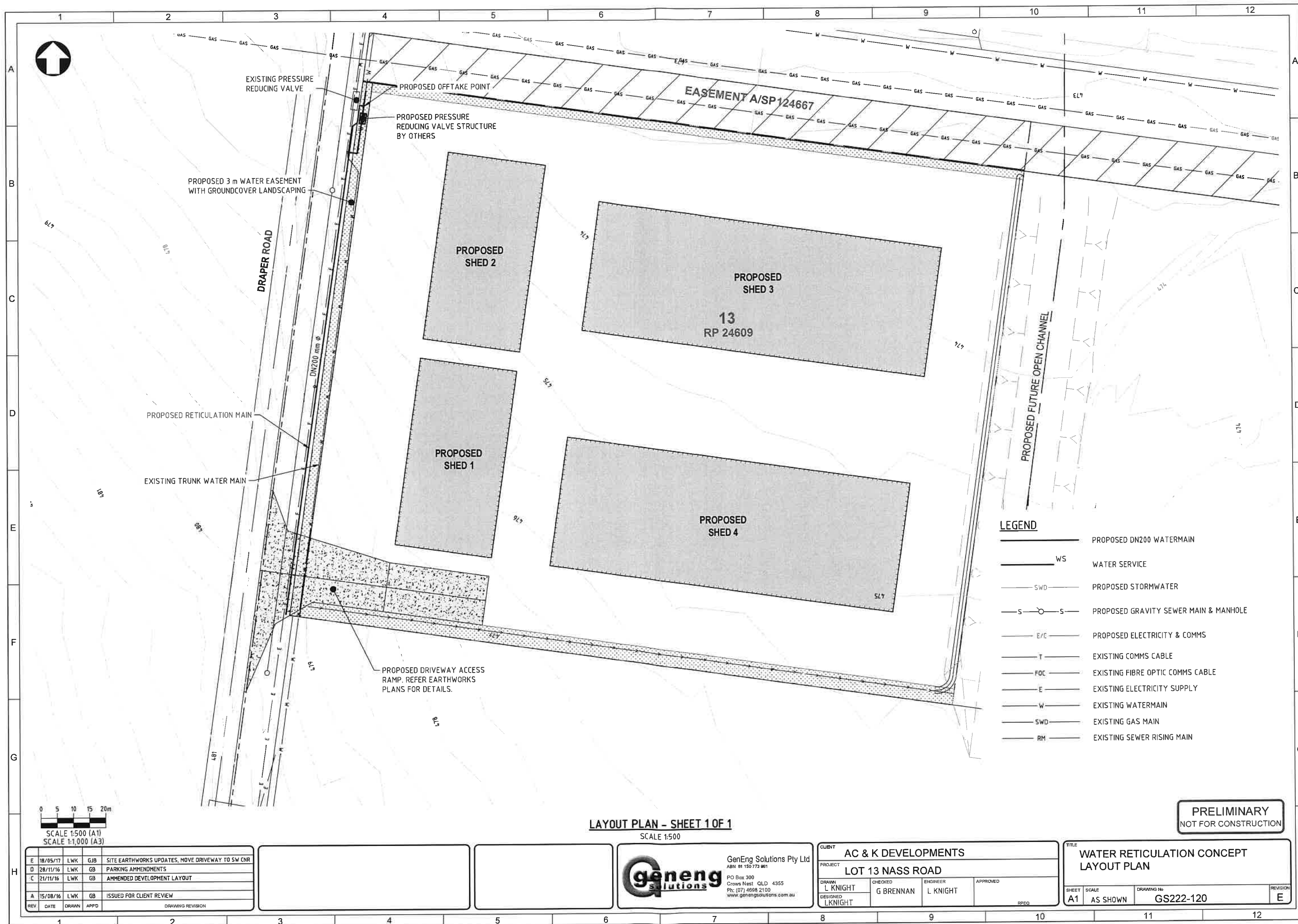
REV	DATE	DRAWN	APPD	DRAWING REVISION
E	18/05/17	LWK	GB	SITE EARTHWORKS UPDATES, MOVE DRIVEWAY TO SW COR
D	28/11/16	LWK	GB	PARKING AMENDMENTS
C	21/11/16	LWK	GB	AMENDED DEVELOPMENT LAYOUT
B	30/09/16	LWK	GB	DESIGN SURFACE REGRADED
A	15/08/16	LWK	GB	ISSUED FOR CLIENT REVIEW



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CLIENT AC & K DEVELOPMENTS			
PROJECT LOT 13 NASS ROAD			
DRAWN L KNIGHT	CHECKED G BRENNAN	ENGINEER L KNIGHT	APPROVED
DESIGNED L KNIGHT			RPEC

TITLE ENTRY RAMP LAYOUT PLAN AND SECTION			
SHEET A1	SCALE AS SHOWN	DRAWING NO. GS222-112	REVISION E



LAYOUT PLAN - SHEET 1 OF 1
SCALE 1:500

PRELIMINARY
NOT FOR CONSTRUCTION

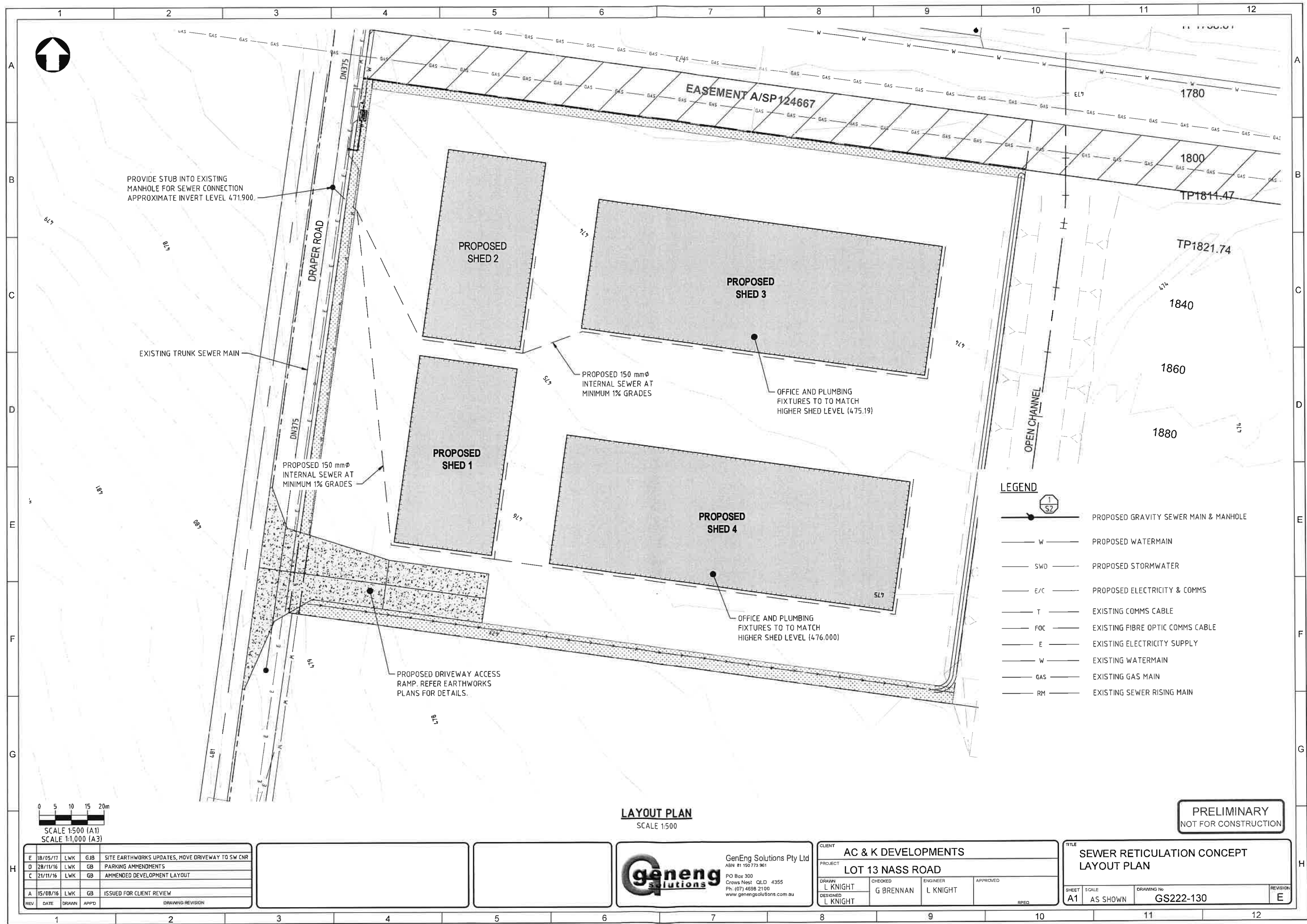
REV	DATE	DRAWN	APPD	DRAWING REVISION
E	18/05/17	LWK	GJB	SITE EARTHWORKS UPDATES, MOVE DRIVEWAY TO SW CNR
D	28/11/16	LWK	GB	PARKING AMENDMENTS
C	21/11/16	LWK	GB	AMENDED DEVELOPMENT LAYOUT
A	15/08/16	LWK	GB	ISSUED FOR CLIENT REVIEW

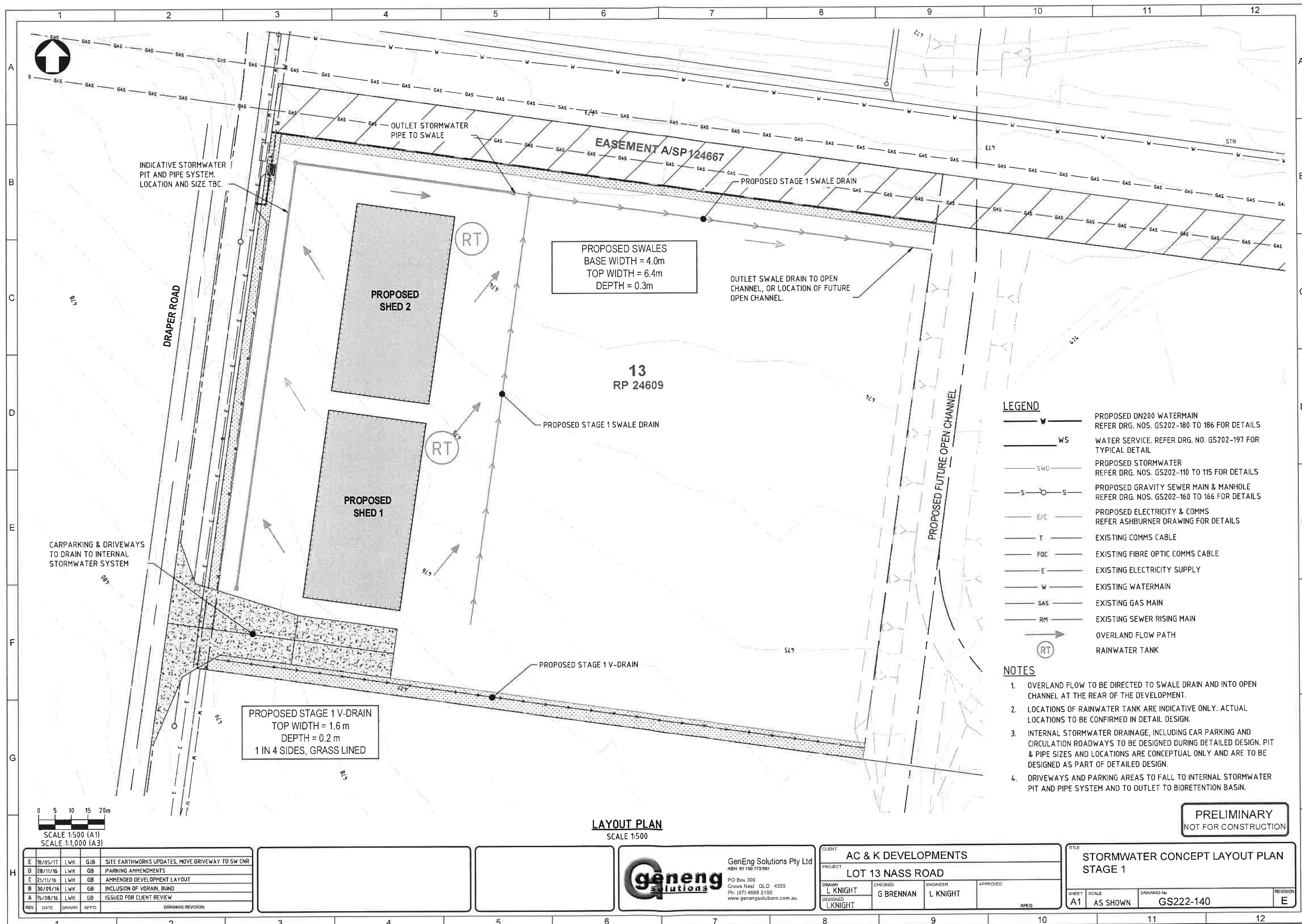


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CLIENT AC & K DEVELOPMENTS			
PROJECT LOT 13 NASS ROAD			
DRAWN L KNIGHT	CHECKED G BRENNAN	ENGINEER L KNIGHT	APPROVED
DESIGNED LKNIGHT			RPEQ

TITLE WATER RETICULATION CONCEPT LAYOUT PLAN			
SHEET A1	SCALE AS SHOWN	DRAWING No GS222-120	REVISION E





0 5 10 15 20m
SCALE 1:500 (A1)
SCALE 1:1,000 (A3)

REV.	DATE	DRAWN	APPROD	DRAWING REVISION
E	18/05/17	LWK	GJB	SITE EARTHWORKS UPDATES, MOVE DRIVEWAY TO SW CNR
D	28/11/16	LWK	GB	PARKING AMENDMENTS
C	21/11/16	LWK	GB	AMENDED DEVELOPMENT LAYOUT
B	30/09/16	LWK	GB	INCLUSION OF V-DRAIN, BUND
A	15/08/16	LWK	GB	ISSUED FOR CLIENT REVIEW

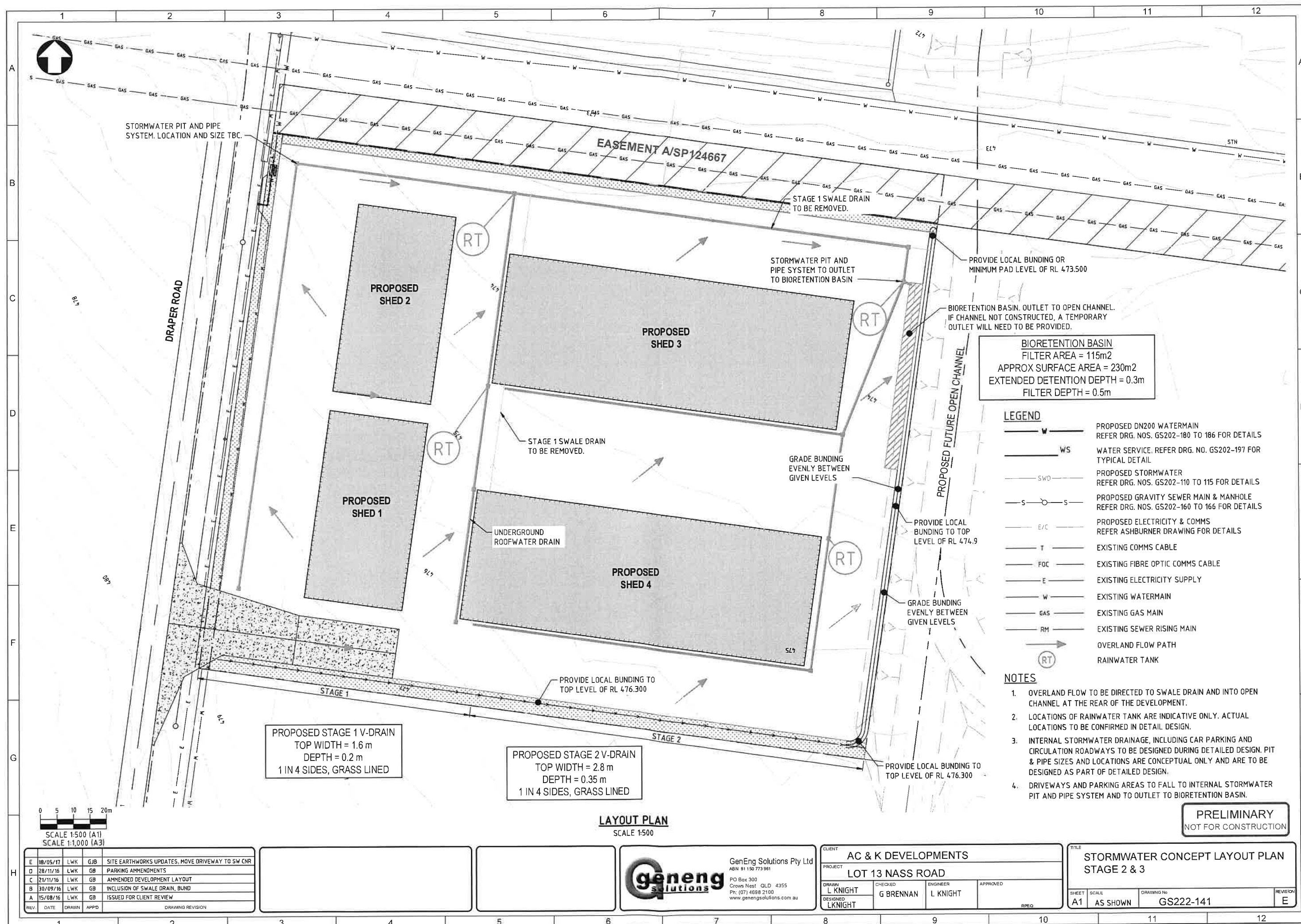
LAYOUT PLAN
SCALE 1:500

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CLIENT	AC & K DEVELOPMENTS		
PROJECT	LOT 13 NASS ROAD		
DRAWN	CHECKED	ENGINEER	APPROVED
L KNIGHT	G BRENNAN	L KNIGHT	
DESIGNED	RPEO		
LKNIGHT			

TITLE	STORMWATER CONCEPT LAYOUT PLAN STAGE 1		
SHEET	SCALE	DRAWING No	REVISION
A1	AS SHOWN	GS222-140	E

PRELIMINARY
NOT FOR CONSTRUCTION



BIORETENTION BASIN
FILTER AREA = 115m²
APPROX SURFACE AREA = 230m²
EXTENDED DETENTION DEPTH = 0.3m
FILTER DEPTH = 0.5m

LEGEND

- W PROPOSED DN200 WATERMAIN
REFER DRG. NOS. GS202-180 TO 186 FOR DETAILS
- WS WATER SERVICE, REFER DRG. NO. GS202-197 FOR
TYPICAL DETAIL
- SWD PROPOSED STORMWATER
REFER DRG. NOS. GS202-110 TO 115 FOR DETAILS
- S-S PROPOSED GRAVITY SEWER MAIN & MANHOLE
REFER DRG. NOS. GS202-160 TO 166 FOR DETAILS
- E/C PROPOSED ELECTRICITY & COMMS
REFER ASHBURNER DRAWING FOR DETAILS
- T EXISTING COMMS CABLE
- FDC EXISTING FIBRE OPTIC COMMS CABLE
- E EXISTING ELECTRICITY SUPPLY
- W EXISTING WATERMAIN
- GAS EXISTING GAS MAIN
- RM EXISTING SEWER RISING MAIN
- RT OVERLAND FLOW PATH
- RT RAINWATER TANK

NOTES

- OVERLAND FLOW TO BE DIRECTED TO SWALE DRAIN AND INTO OPEN CHANNEL AT THE REAR OF THE DEVELOPMENT.
- LOCATIONS OF RAINWATER TANK ARE INDICATIVE ONLY. ACTUAL LOCATIONS TO BE CONFIRMED IN DETAIL DESIGN.
- INTERNAL STORMWATER DRAINAGE, INCLUDING CAR PARKING AND CIRCULATION ROADWAYS TO BE DESIGNED DURING DETAILED DESIGN. PIT & PIPE SIZES AND LOCATIONS ARE CONCEPTUAL ONLY AND ARE TO BE DESIGNED AS PART OF DETAILED DESIGN.
- DRIVEWAYS AND PARKING AREAS TO FALL TO INTERNAL STORMWATER PIT AND PIPE SYSTEM AND TO OUTLET TO BIORETENTION BASIN.

PRELIMINARY
NOT FOR CONSTRUCTION

LAYOUT PLAN
SCALE 1:500

0 5 10 15 20m
SCALE 1:500 (A1)
SCALE 1:1,000 (A3)

REV.	DATE	DRAWN	APPD.	DRAWING REVISION
E	18/05/17	LWK	GJB	SITE EARTHWORKS UPDATES, MOVE DRIVEWAY TO SW CNR
D	28/11/16	LWK	GB	PARKING AMMENDMENTS
C	21/11/16	LWK	GB	AMMENDED DEVELOPMENT LAYOUT
B	30/09/16	LWK	GB	INCLUSION OF SWALE DRAIN, BUND
A	15/08/16	LWK	GB	ISSUED FOR CLIENT REVIEW



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CLIENT	AC & K DEVELOPMENTS
PROJECT	LOT 13 NASS ROAD
DRAWN	L KNIGHT
CHECKED	G BRENNAN
ENGINEER	L KNIGHT
APPROVED	
DESIGNED	LKNIGHT
DATE	
SCALE	
DRAWING No	GS222-141
REVISION	E

SHEET	SCALE	DRAWING No	REVISION
A1	AS SHOWN	GS222-141	E