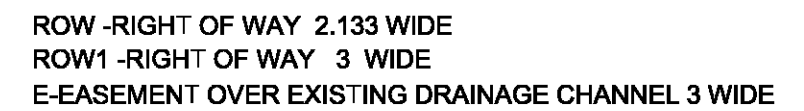


Project Proposed Subdivision 34 Nullaburra Road, Newport, NSW		
Client: D & V Kalajdzic		
Documentation Arty CAD		
ARCHITECTURAL DESIGN & DRAFTING – PROJECT MANAGEMENT 6 Beacon Avenue Mob: 0414 813 501 Beacon Hill NSW 2100 Email : zima@optusnet.com.au		
Drawing Title PROPOSED SUBDIVISION BOUNDARIES, EASEMENTS, RIGHTS OF WAY		
Scales Drawn Checked Date Drg Status	1 : 250 (sheet A3) MK ZK 12/18 DA	Drawing No 18/ S01 Amendment C

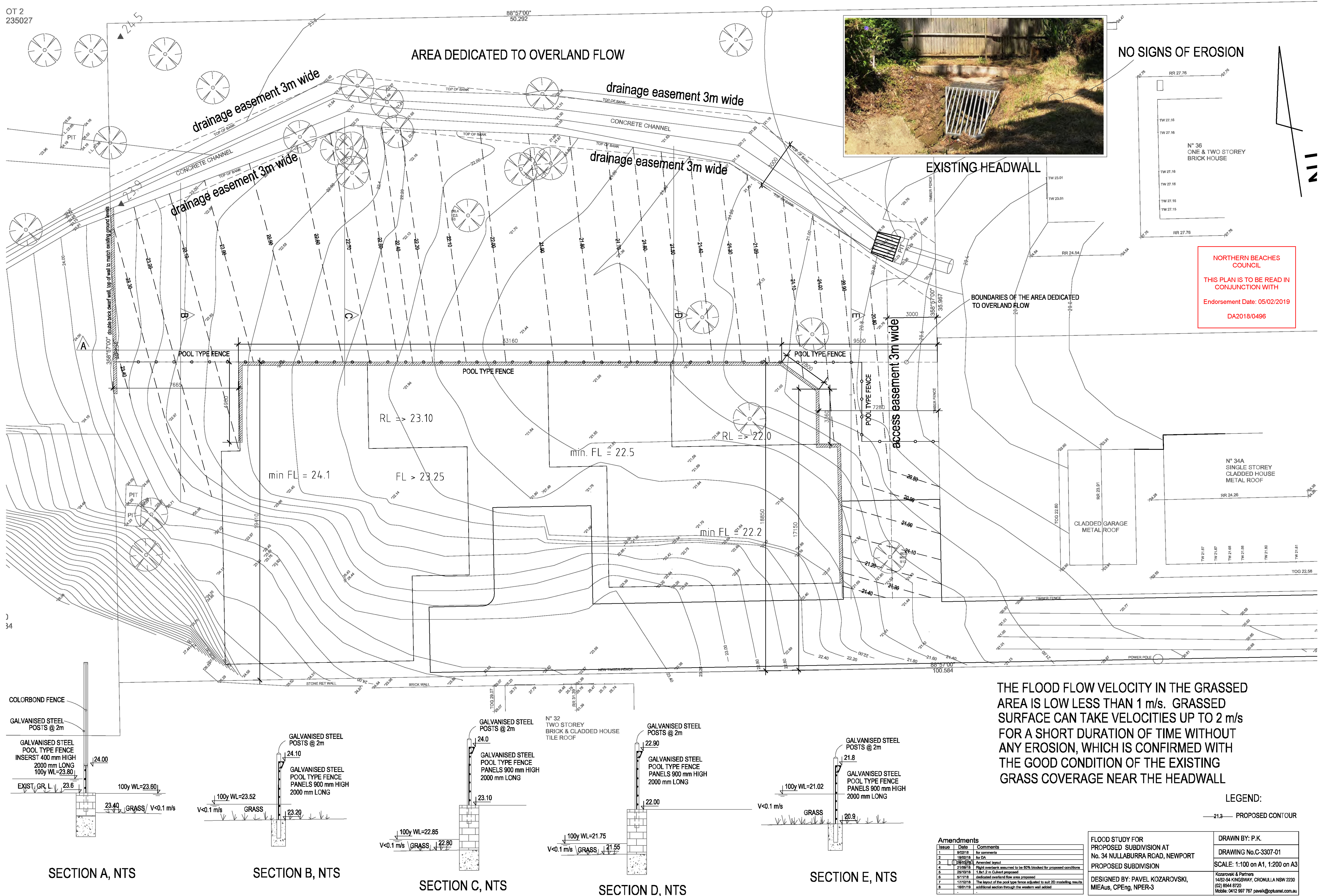


DP

	10	20	30	40	50	Table of mm	90	100	110	120	130	140
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FLOOD STUDY FOR PROPOSED SUBDIVISION AT No. 34 NULLABURRA ROAD, NEWPORT LONG SECTIONS	DRAWN BY: P.K.
	DRAWING No. C-3307-05
	SCALE: AS SHOWN
DESIGNED BY: PAVEL KOZAROVSKI, MIEAus, CPEng, NPER-3	Kozarovski & Partners 14/82-54 KINGSWAY, CRONULLA NSW 2230 (02) 854 8720 Mobile: 0412 987 787 pavel@cpusnet.com.au



SECTION A, NTS

SECTION B, NTS

SECTION C, NTS

SECTION D, NTS

SECTION E, NTS

THE FLOOD FLOW VELOCITY IN THE GRASSED AREA IS LOW LESS THAN 1 m/s. GRASSED SURFACE CAN TAKE VELOCITIES UP TO 2 m/s FOR A SHORT DURATION OF TIME WITHOUT ANY EROSION, WHICH IS CONFIRMED WITH THE GOOD CONDITION OF THE EXISTING GRASS COVERAGE NEAR THE HEADWALL

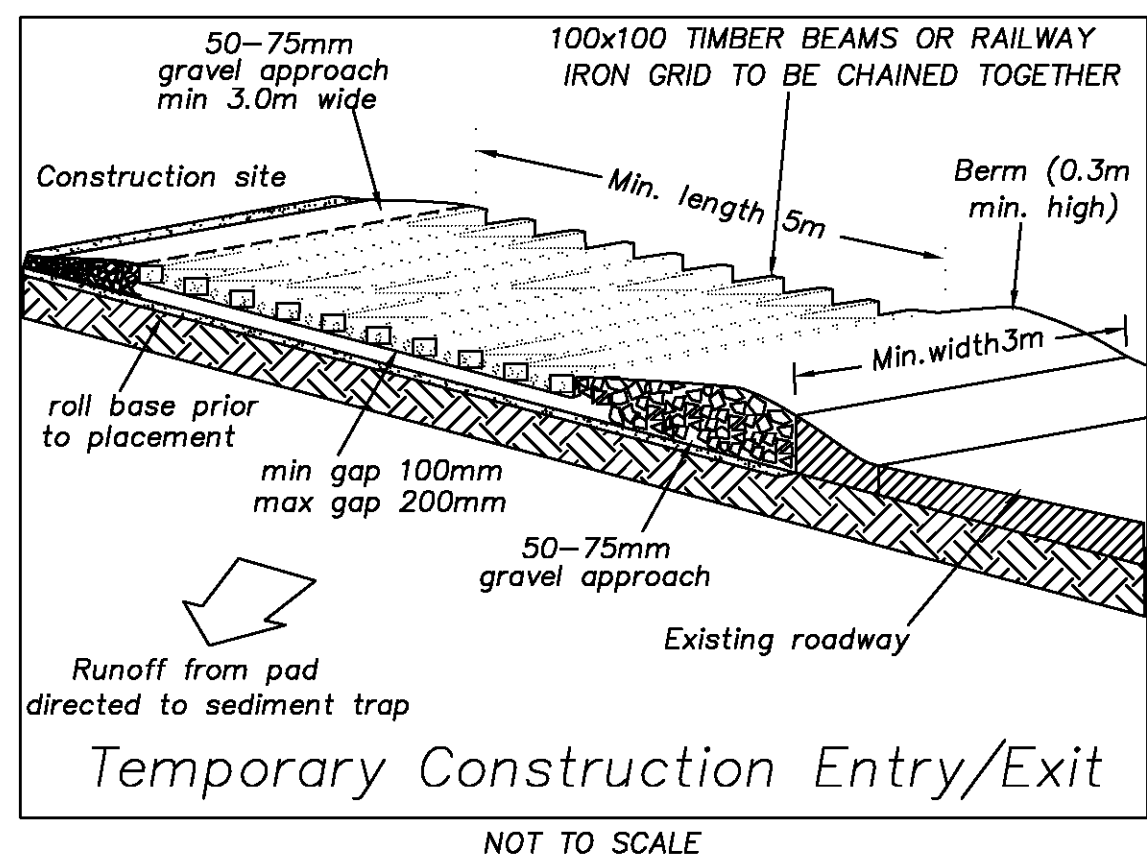
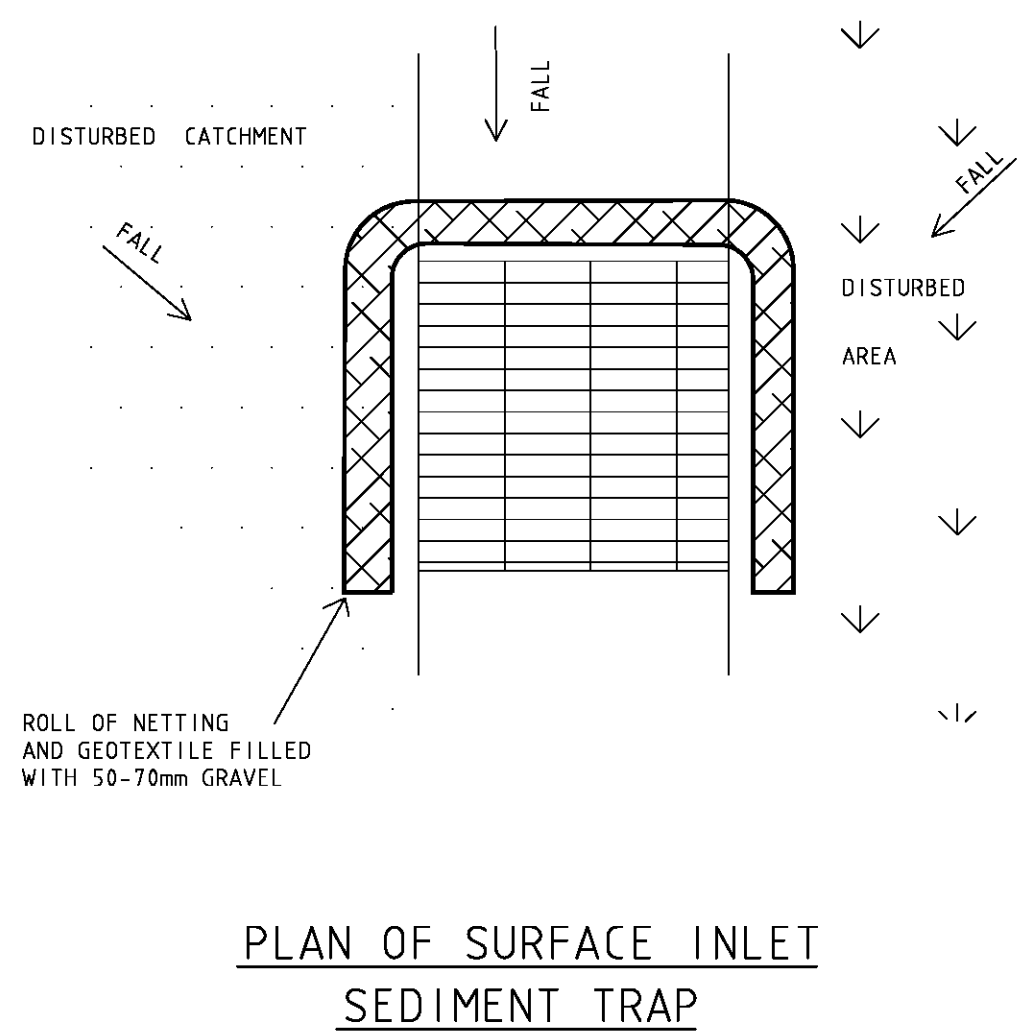
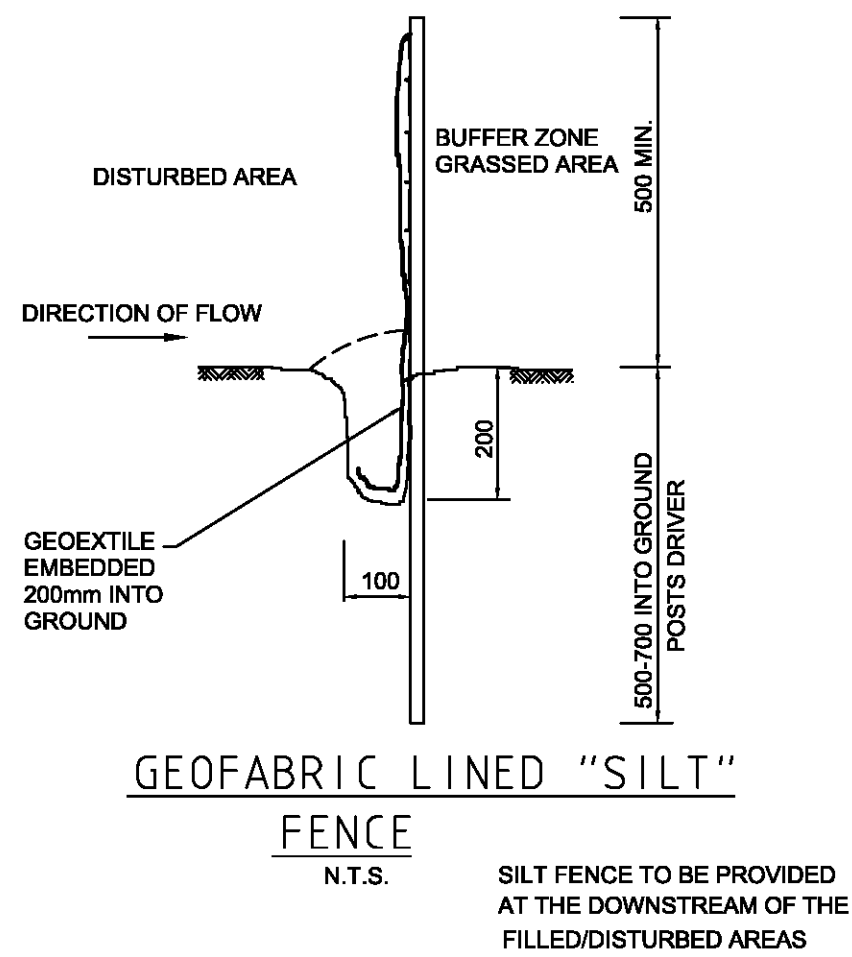
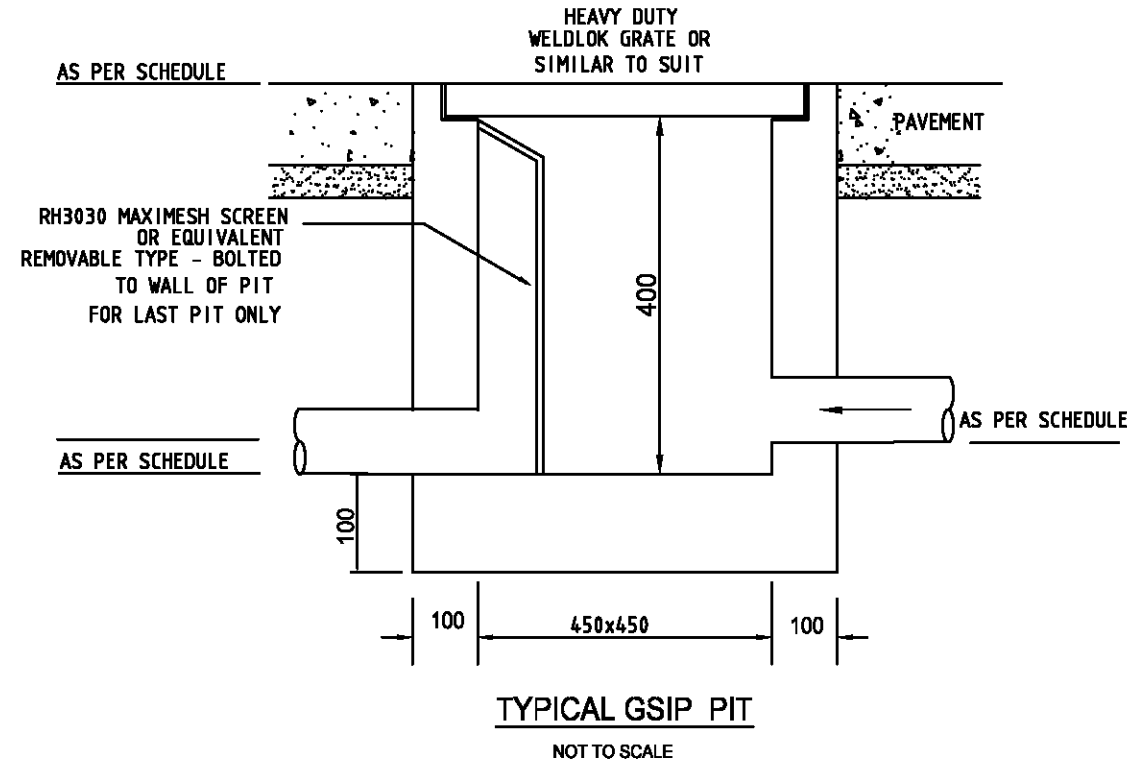
LEGEND:

21.3 PROPOSED CONTOUR

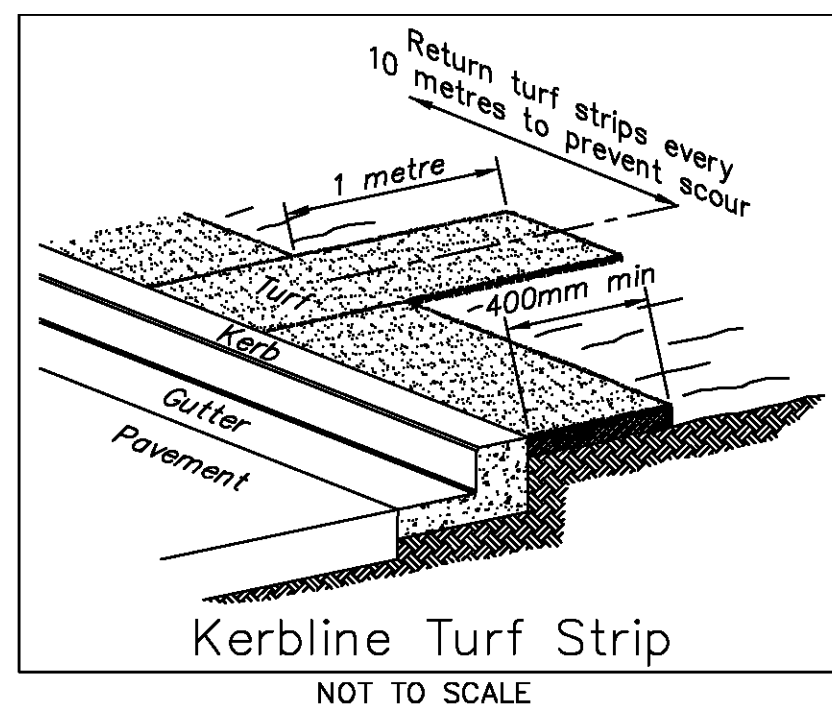
Amendments			FLOOD STUDY FOR PROPOSED SUBDIVISION AT NO 34 NULLARBURRA ROAD, NEWPORT PROPOSED SUBDIVISION	DRAWN BY: P.K. DRAWING NO: C-3307-01 SCALE: 1:100 on A1, 1:200 on A3
Issue	Date	Comments		
1	9/2/18	for comments		
2	19/2/18	for DA		
3	2/4/2018	Amended layout		
4	21/08/18	Right of waylines assumed to be 50% backed for proposed conditions		
5	26/10/18	1. Ref 2 in Culvert proposed		
6	1/11/18	dedicated certified fire area proposed		
7	17/12/18	the location of the pool type fence adjusted to suit 2D modelling results		
8	18/01/19	additional section through the western wall added		

DESIGNED BY: PAVEL KOZAROVSKI,
MIEAAS, CPENG, NPER-3

Kozarovski & Partners
14/52-54 KINGSWAY, CROWLLEY NSW 2230
(02) 8544 6762
Mobile: (0412) 997 767 pavel@kozarovski.com.au



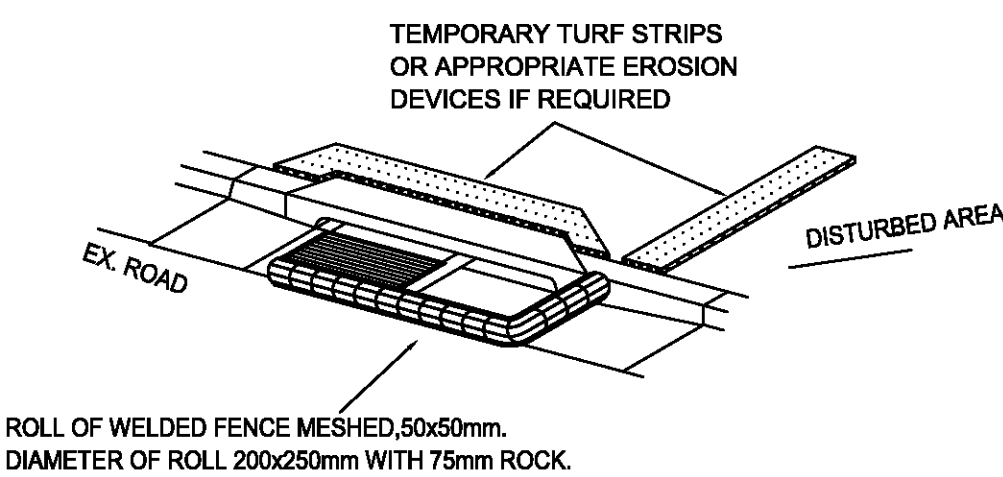
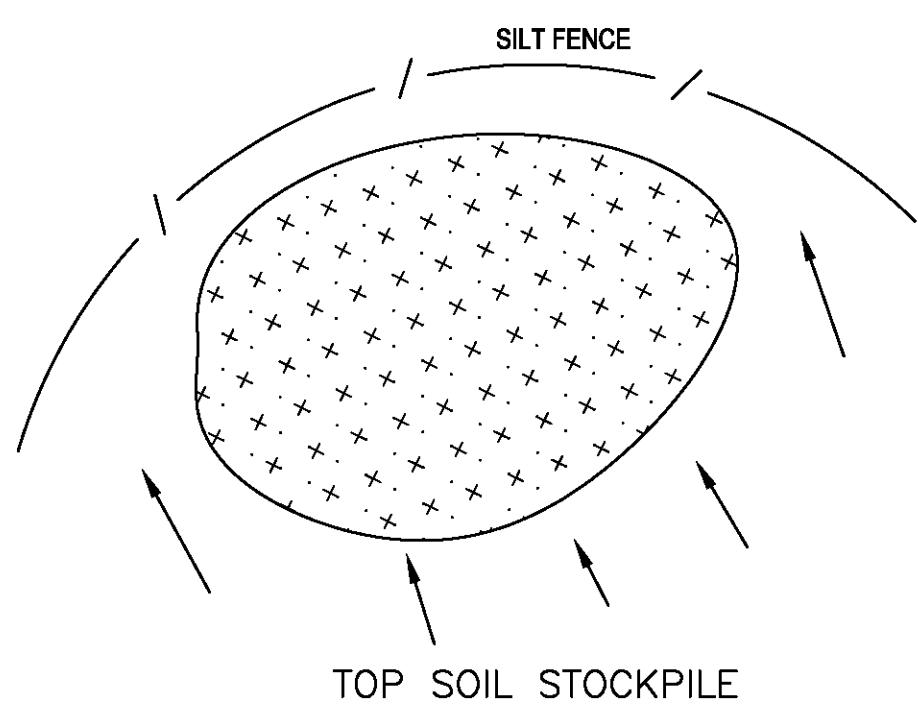
ALL DISTURBED AREAS ARE TO BE STABILISED BY TURFS.




SEDIMENT AND EROSION CONTROL

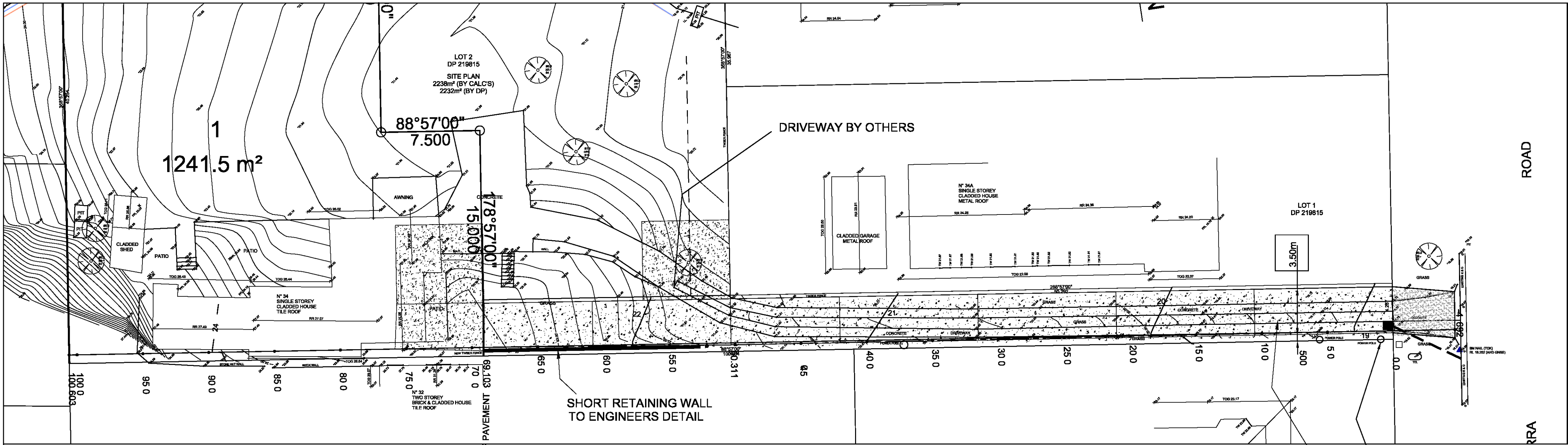
ORDER OF OPERATIONS

1. PROVIDE SHAKER PAD AT SINGLE SITE ENTRY POINT AND POLLUTION WARNING SIGNAGE.
2. CONSTRUCT CUT OFF DRAINS TO DIRECT CLEAN WATER AROUND SITE WHERE NECESSARY.
3. PLACE BARRIER FENCE TO RESTRICT VEHICULAR TO A SINGLE POINT IF PRACTICAL.
4. PLACE SEDIMENT FENCING AND CONSTRUCT DIRTY WATER CHANNEL/MOUND AS SHOWN IF REQUIRED.
5. CONSTRUCT SEDIMENT BASIN IF SHOWN TO DETAIL.
6. PROVIDE STRAW BALES IF SHOWN.
7. CONSTRUCT ROADS AND DRAINAGE TO PLAN DIRECTING DIRTY WATER TO APPROVED SEDIMENT CONTROL DEVICES AT ALL TIMES.
8. PITS AND PIPES TO BE PROTECTED AT ALL TIMES WITH FILTER BARRIERS.
9. A 1 METRE WIDE COUCH TURF STRIP SHALL BE LAID BEHIND ALL KERBS IMMEDIATELY UPON COMPLETION OF FOOTPATH REGARDING.
10. CONSTRUCT ROAD WORKS ONLY AND MINIMIZE DISTURBANCE ON LOTS UNTIL ROAD SURFACE IS STABLE WITH SANDSTONE.
11. ON STABILISATION OF ROAD SURFACE COMPLETE TOPSOIL STRIPPING AND BULK EARTHWORKS TO LOT REGRADING AREA AND SEED ON COMPLETION OF TOPSOILING TO DESIGN LEVELS.
12. AT COMPLETION OF ALL WORKS REVEGETATE DISTURBED AREAS AS DIRECTED WITHIN 14 DAYS.
13. SEDIMENT CONTROL MEASURES TO BE REMOVED AS DIRECTED BY COUNCIL OR SUPERINTENDENT.



PROVIDE KERB INLET TRAP TO EXISTING KERB PIT

REVISIONS	No.	DESCRIPTION	DRN	APP	DATE	 Site Plus Pty Ltd ABN 73 104 315 086 planning engineering landscape design management	HEAD OFFICE 26 Thomas St Wollongong NSW 2520 PO Box 5104 Wollongong NSW 2520 T 61 2 4227 4233 F 61 2 4227 4133 E info@siteplus.com.au	CAMDEN 12 View St PO Box 615 Camden NSW 2570 T 61 2 4655 5877 F 61 2 4655 5024 E camden@siteplus.com.au	Height Datum	Client Title	Dwg Title	Ref & Dwg No
	A	B	C	D	E				A.H.D.			
	1	ORIGINAL ISSUE	AK	AK	20 08 13				AK	-	PLAN OF PROPOSED SUBDIVISION OF LOT 2	18 222
	2	REVISED TO COUNCIL AND CONSULTANT COMMENTS	AK	AK	JAN 19				AK	-	IN DP 219815, 34 NULLABURRA RD	Sheet No 1 of 3
									AK	-	ACCESS DRIVEWAY DETAILS	Scale 1:200 @ A1
									AK	-	pit detail and soil and stormwater management	Date 07 09 18 Rev B A1

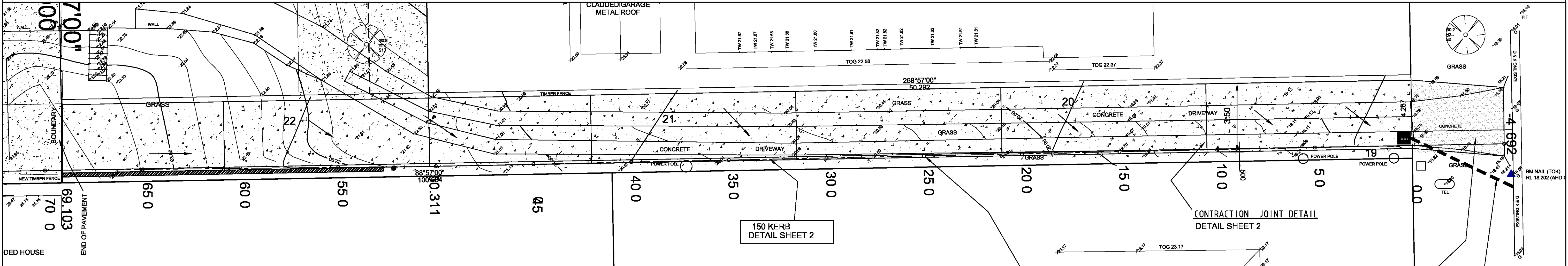


SHEET NO.	
C 01	PLANS 1:200, 1:100
C 02	DETAILS ACCESS WAY PAVEMENT DETAILS
C 03	EROSION AND SEDIMENT CONTROL PLAN

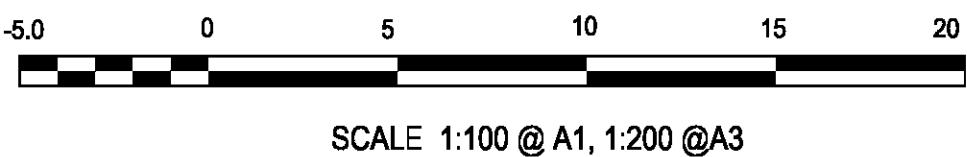
- NOTES:
- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S WORKS SPECIFICATIONS AND TO THE SATISFACTION OF COUNCIL'S DEVELOPMENT ENGINEERS
 - THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST IF NECESSARY, AT DEVELOPERS EXPENSE
 - THE CONTRACTOR SHALL NOT ENTER UPON NOR DO ANY WORK WITHIN ADJOINING LANDS WITHOUT THE PERMISSION OF THE SUPERINTENDENT & PERMISSION OF THE RELEVANT OWNERS CONSENT
 - ALL NEW WORKS SHALL MAKE SMOOTH CONNECTION TO EXISTING CONDITIONS.
 - ALL IMPORTED FILL SHALL BE APPROVED BY THE COUNCIL . THE FILL SHALL BE PLACED IN NOT MORE THAN 300mm LAYERS AND SHALL BE COMPACTED TO AT LEAST 98% STANDARD COMPACTION TO COUNCIL'S SPECIFICATION.
 - ALL PIPES SHALL BE ON 1% MINIMUM GRADE U.N.O. AND TO HAVE MIN 150mm COVER UNDER CONCRETE.
 - THE CONTRACTOR SHALL MAINTAIN SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO ADJOINING PROPERTIES.
 - EXISTING - LAYBACK IS ADEQUATE -SUBJECT TO AUDIT
 - ALL GRATED PIT LIDS TO BE HINGED AND FITTED WITH AN APPROPRIATE CHILDPROOF LOCKDOWN SYSTEM.

SEDIMENT & EROSION CONTROL

- PROVIDE TEMPORARY CONSTRUCTION EXIT TO SHAKE OFF SITE MATERIALS FROM EXITING VEHICLES AND SHALL CONSIST OF A PAO OF COURSE CRUSHED ROCK, (75mm TO 150mm RANGE) HAVING A MINIMUM DEPTH OF 200mm, A MINIMUM LENGTH OF 25m AND 3.5m WIDE OR "CATTLE GRID" SYSTEM. REFER TO THE COUNCIL'S DRAWING No. A/BS/115.
- THE GULLY PITS SHALL BE PROTECTED IN ACCORDANCE TO COUNCIL'S PLAN No. A/BS) 122 (IF REQUIRED)
- THE GRATED SURFACE PITS SHALL BE PROTECTED IN ACCORDANCE TO COUNCIL'S SPECS



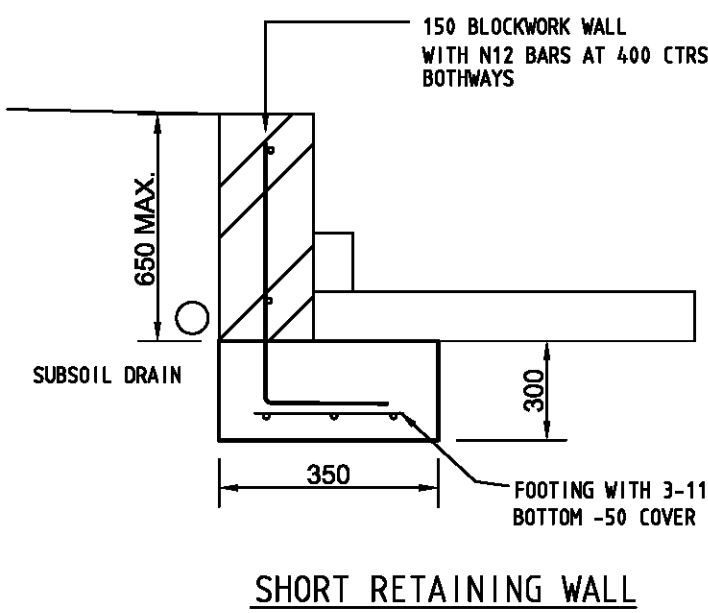
PLAN



CHAINAGE ALONG THE INVERT
LONG SECTION SHEET 2

DRIVEWAY PAVEMENT:
150mm THICK
CONCRETE: 32MPa WITH SL92 TOP ONLY
MESH ON 50mm BEDDING COURSE SAND
ON FULLY COMPACTED SOIL
ADOPT EXISTING LEVEL

150x75x4 GAL. RHS TO KERB
CONNECT TO KERB WITH COUNCIL DETAILS



NORTHERN BEACHES
COUNCIL
THIS PLAN IS TO BE READ IN
CONJUNCTION WITH
Endorsement Date: 05/02/2019
DA2018/0496

VEHICLE ENTRY AND EXIST IN FORWARD DIRECTION

GEOTECHNICAL RECOMMENDATIONS HAVE BEEN TAKEN
INTO CONSIDERATION IN PREPERATION OF THIS PLAN
(REPORT BY SOILSROCK CONSULTING GROUP)

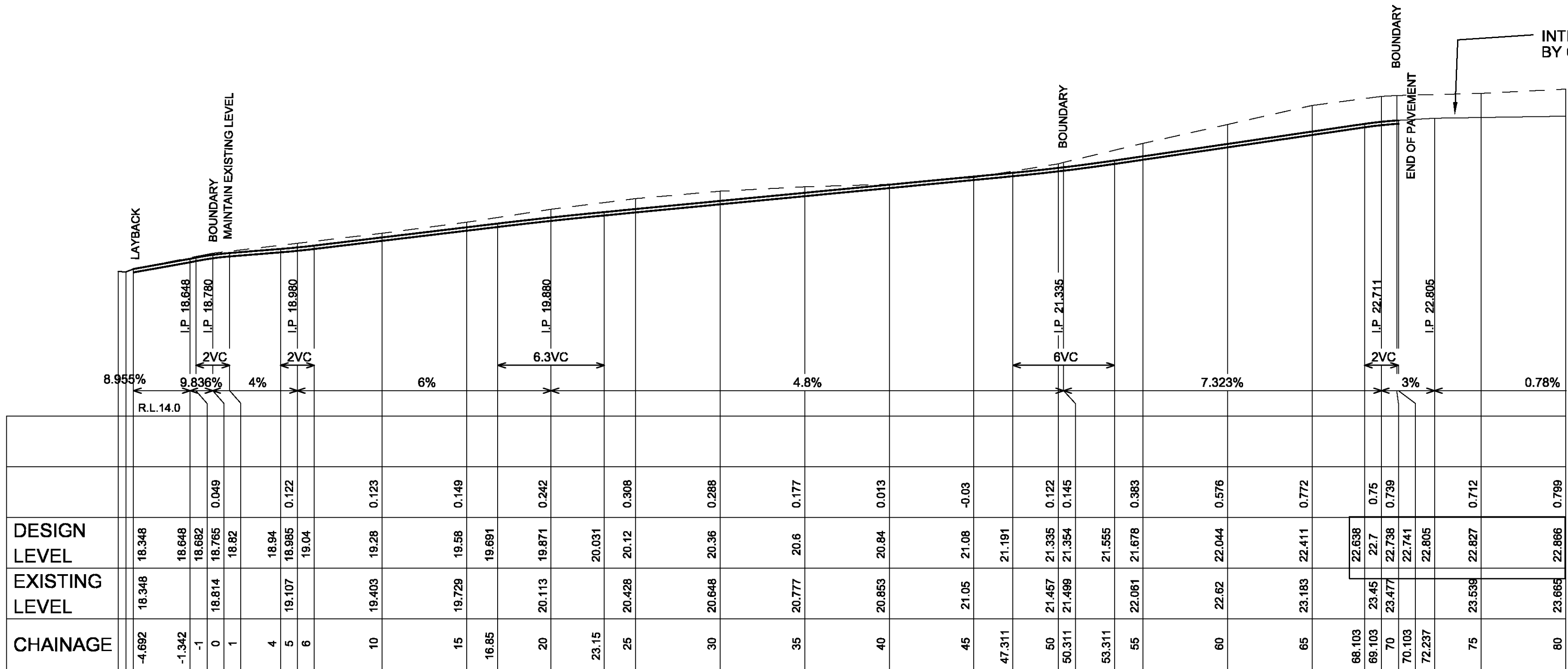
REVISIONS	No.	DESCRIPTION	DRN	APP	DATE	Height Datum	Client Title	Dwg Title	Ref & Dwg No
	A	ORIGINAL ISSUE			20 08 13	A.H.D.		PLAN OF PROPOSED SUBDIVISION OF LOT 2	18 222
	B	REVISED TO COUNCIL AND CONSULTANT COMMENTS	AK	AK	JAN 19	AK		IN DP 219815, 34 NULLABURRA RD	Sheet No 1 of 3
						Designed A KUMAR BE MIE		ACCESS DRIVEWAY DETAILS	Scale 1:200 @ A1
						Checked K ROOTSEY BE MIE CPENG		GENERAL LAYOUT PLAN - 1:200	Date 07 09 18
						Approved	Dwg Status PLANS FOR APPROVAL	Local Authority NORTHERN BEACHES	Rev B A1

NORTHERN BEACHES COUNCIL

THIS PLAN IS TO BE READ IN CONJUNCTION WITH

Endorsement Date: 05/02/2019

DA2018/0496



ACCESS DRIVEWAY

H=1:200 V=1:100

LEVEL BASED ON DA GROUND FLOOR PLAN

ANY CHANGES TO THIS LEVEL NEED TO TAKEN INTO ACCOUNT

PAVEMENT NOTES:

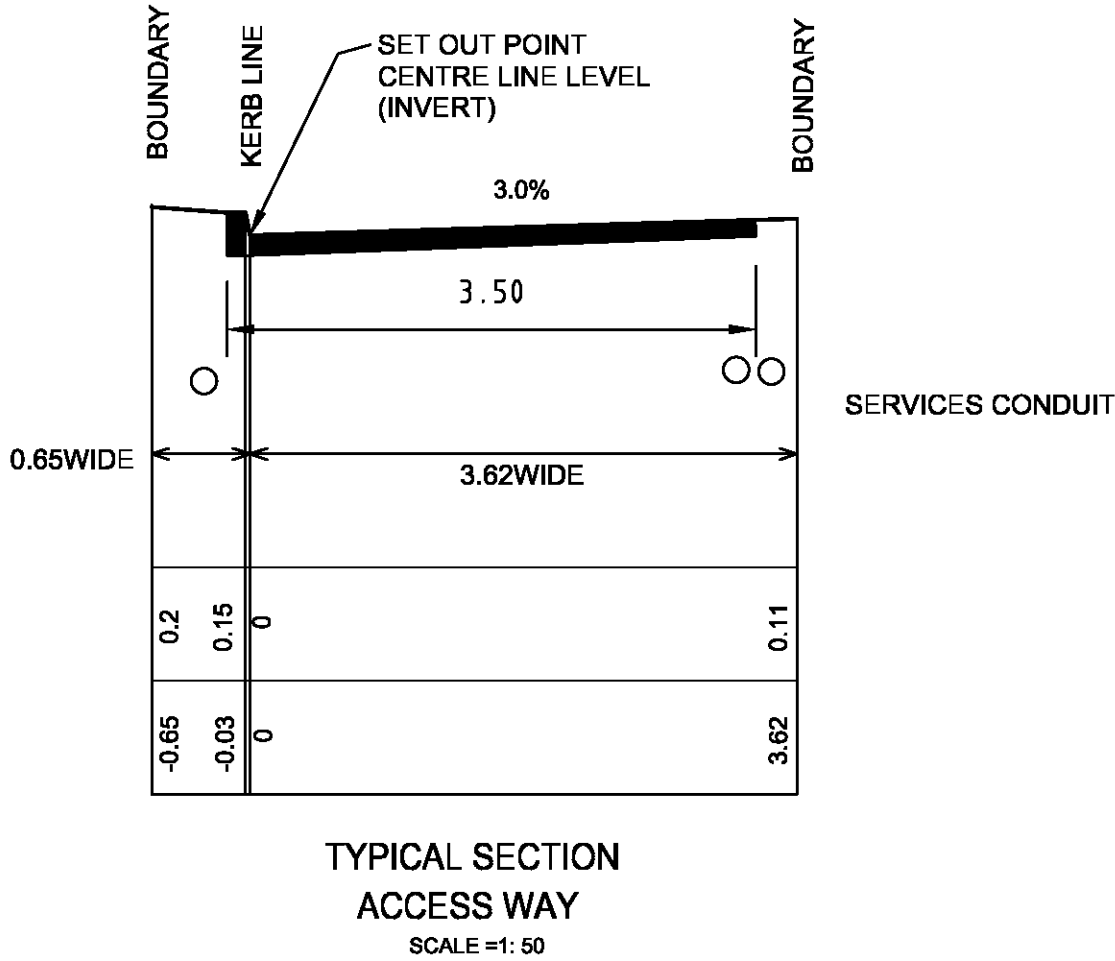
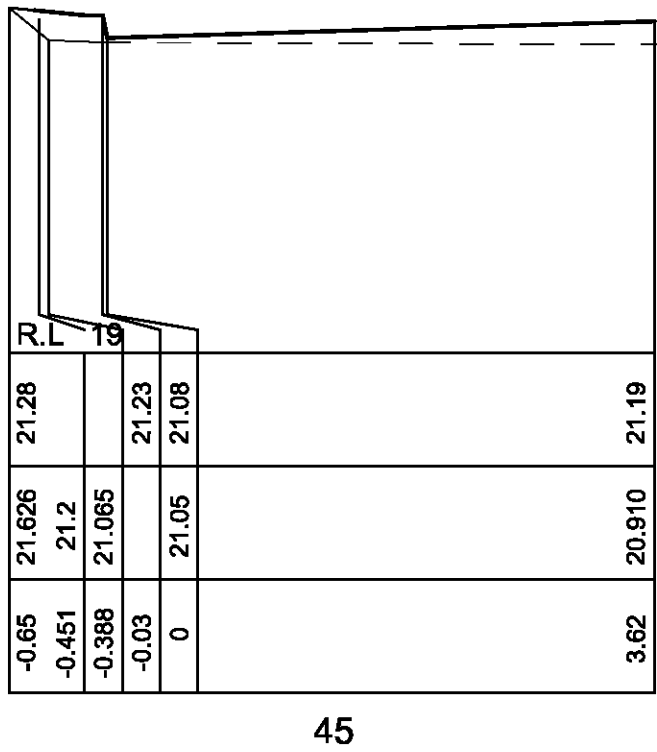
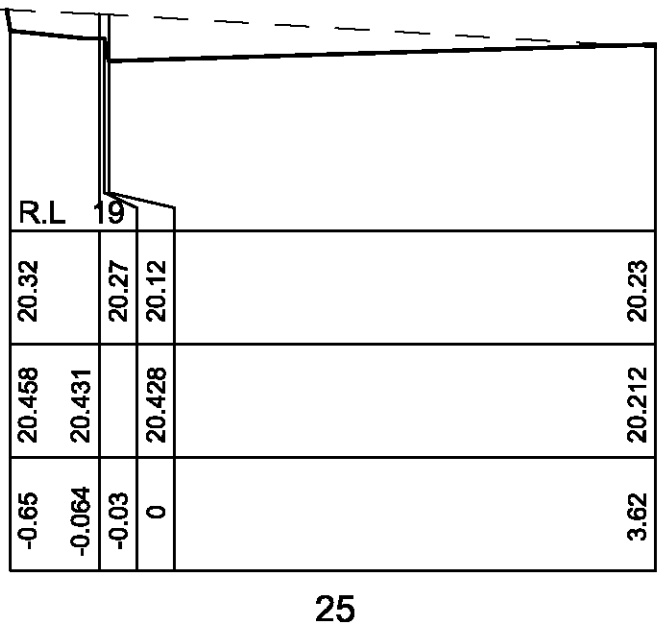
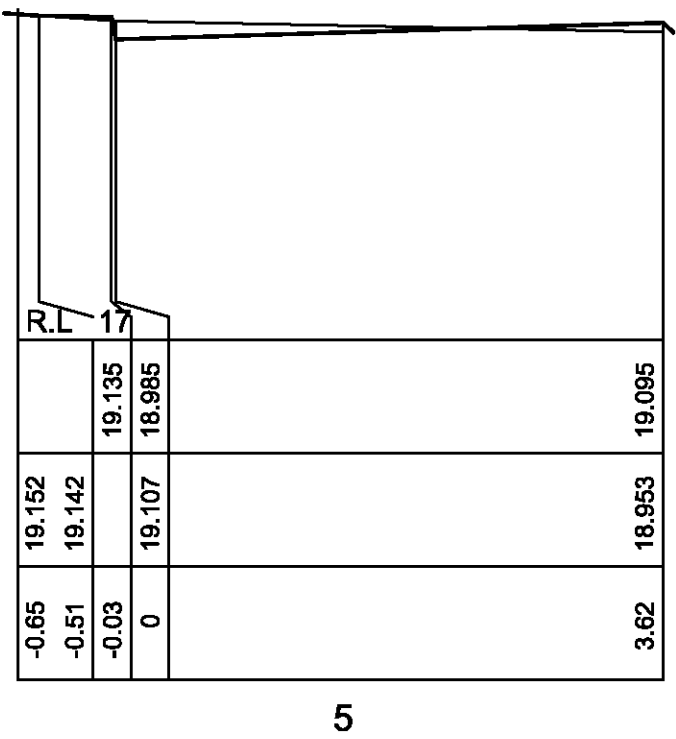
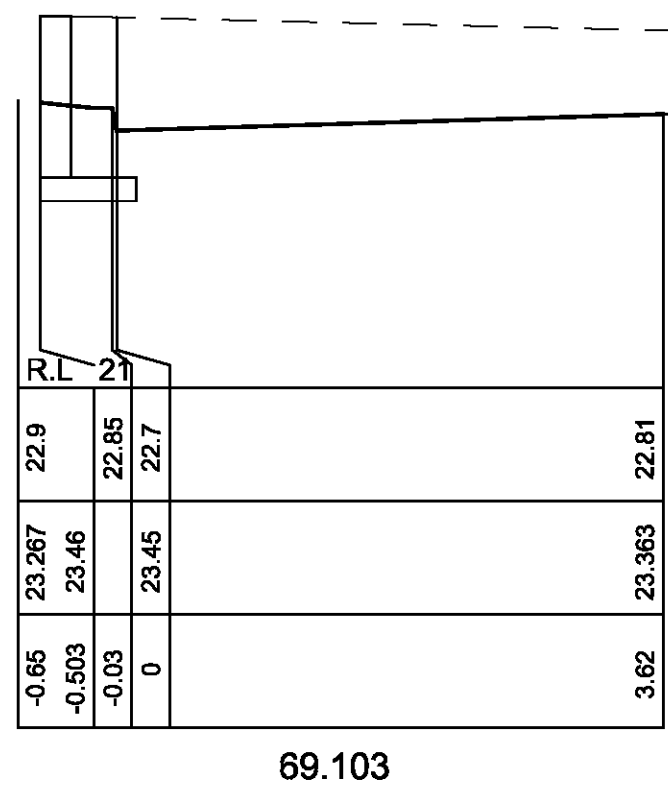
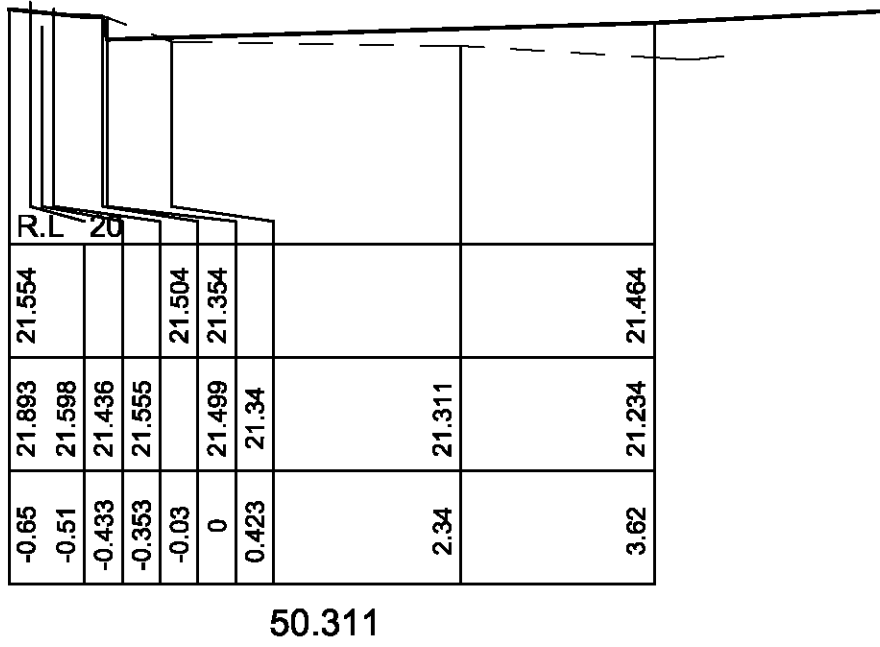
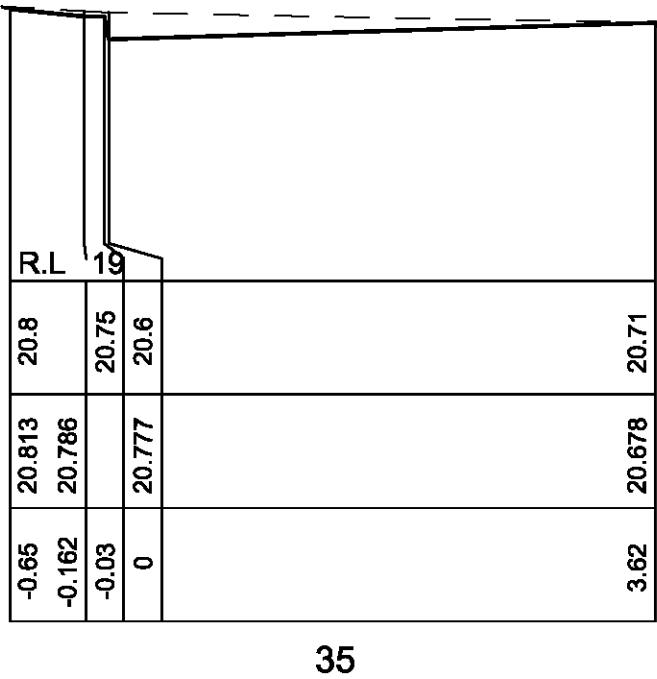
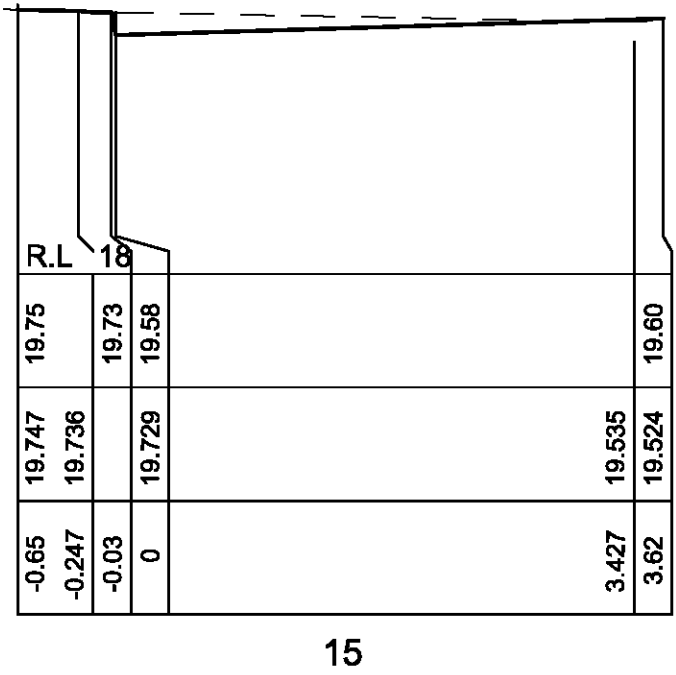
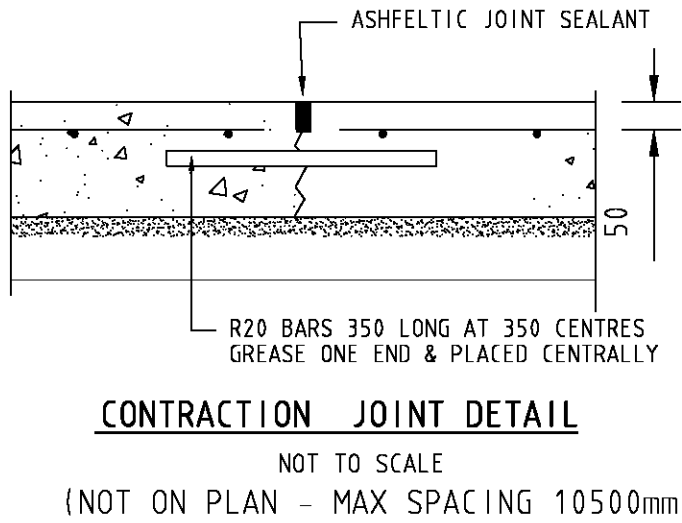
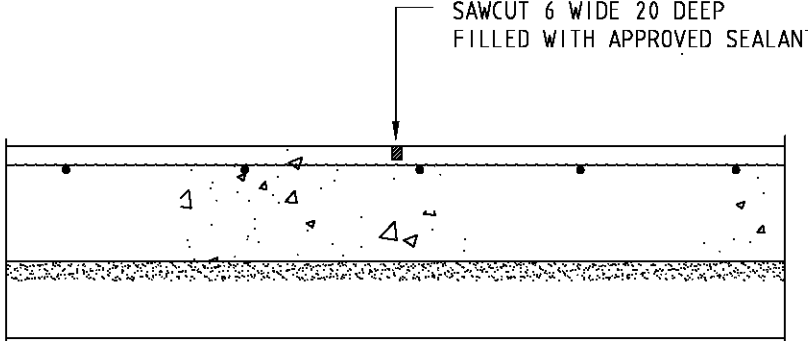
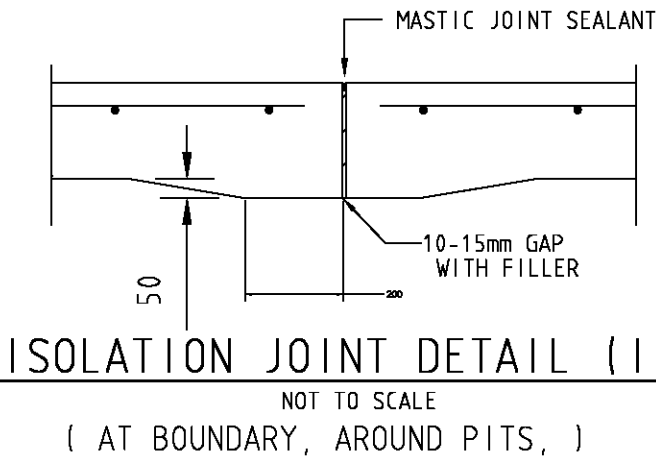
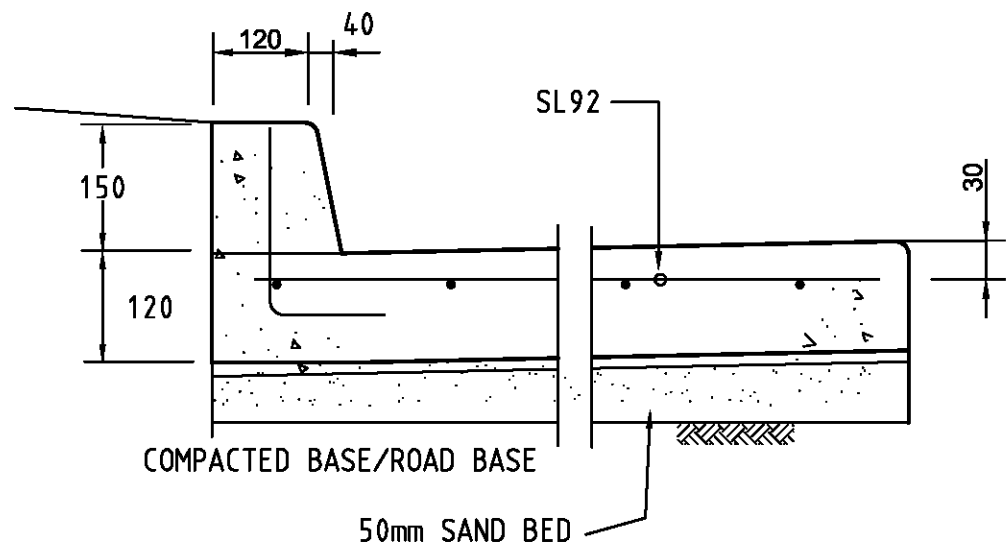
PAVEMENT: 120mm THICK

CONCRETE: 32MPa WITH SL92 TOP ONLY

MESH ON 50mm BEDDING COURSE SAND ON FULLY COMPACTED SOIL

INTEGRAL KERB (WHERE SHOWN ONLY) OR ALTERNATE - KERB POURED

SEPERATELY: N12 BARS 175 LONG PLACED @ 300 CENTRES



REVISIONS	DESCRIPTION				DATE	siteplus				Height Datum		Client Title	Dwg Title		Ref & Dwg No	
	No	As	By	App		planning	engineering	landscape	design	management	A.H.D.		PLAN OF PROPOSED SUBDIVISION OF LOT 2	18 222	Sheet No	2 of 3
	1	AK	AK	AK	20 08 13						AK				Sheet	2 of 3
	2	AK	AK	AK	20 08 13						AK				Scale	1:200 @ A1
	3	AK	AK	AK	20 08 13						AK				Date	07 09 18
	4	AK	AK	AK	20 08 13						AK				Rev	B
	5	AK	AK	AK	20 08 13						AK					A1