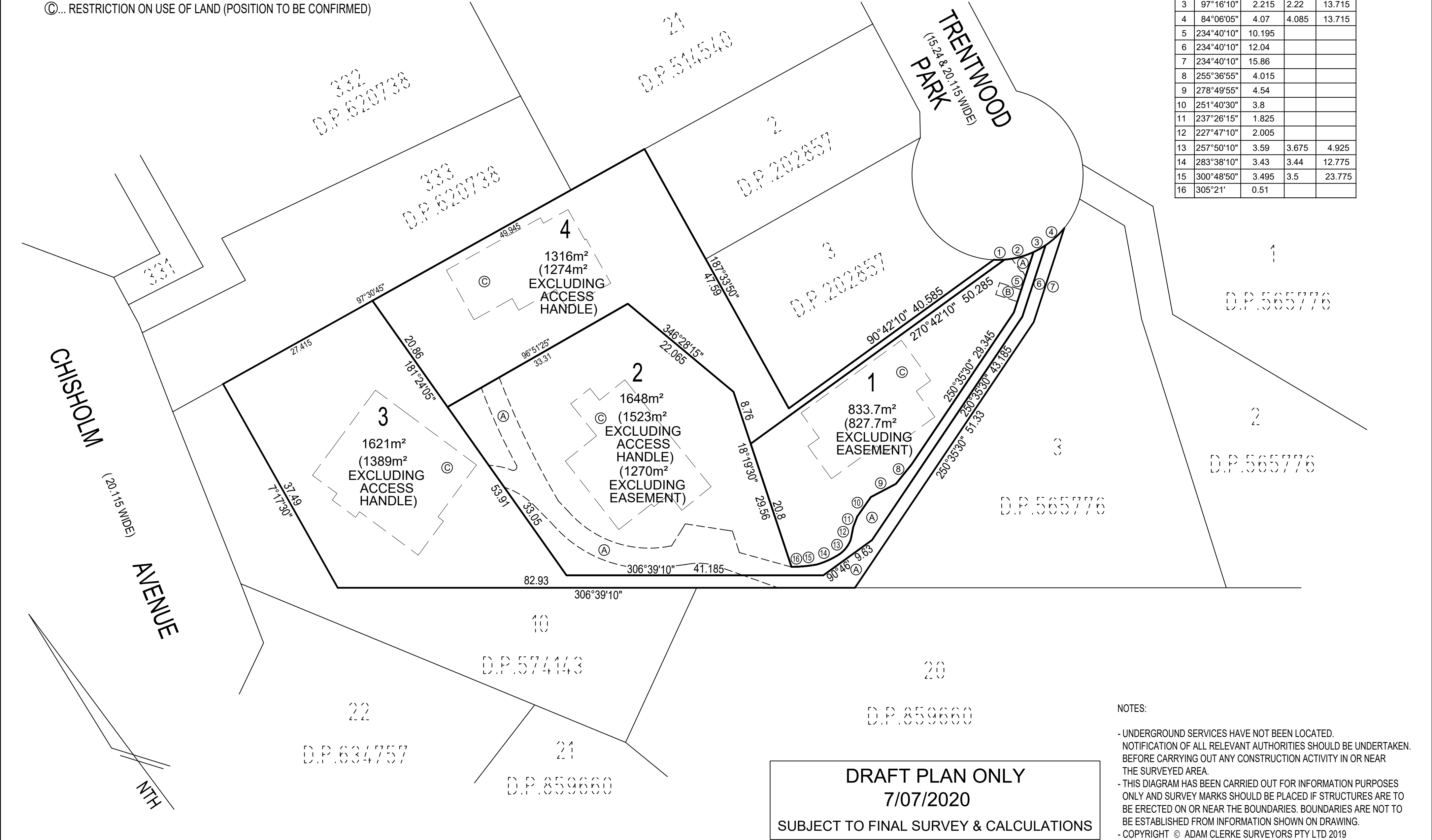


NOTE: (A)... RIGHT OF CARRIAGEWAY 3.5 WIDE & VARIABLE WIDTH
EASEMENT FOR SERVICES 3.5 WIDE & VARIABLE WIDTH
EASEMENT FOR DRAINAGE 3.5 WIDE & VARIABLE WIDTH
(B)... EASEMENT FOR GARBAGE BIN STORAGE 2 WIDE
(C)... RESTRICTION ON USE OF LAND (POSITION TO BE CONFIRMED)

No.	BEARING	DISTANCE	ARC	RADIUS
1	125°41'50"	1.745	1.745	13.715
2	111°58'40"	4.8	4.825	13.715
3	97°16'10"	2.215	2.22	13.715
4	84°06'05"	4.07	4.085	13.715
5	234°40'10"	10.195		
6	234°40'10"	12.04		
7	234°40'10"	15.86		
8	255°36'55"	4.015		
9	278°49'55"	4.54		
10	251°40'30"	3.8		
11	237°26'15"	1.825		
12	227°47'10"	2.005		
13	257°50'10"	3.59	3.675	4.925
14	283°38'10"	3.43	3.44	12.775
15	300°48'50"	3.495	3.5	23.775
16	305°21'	0.51		



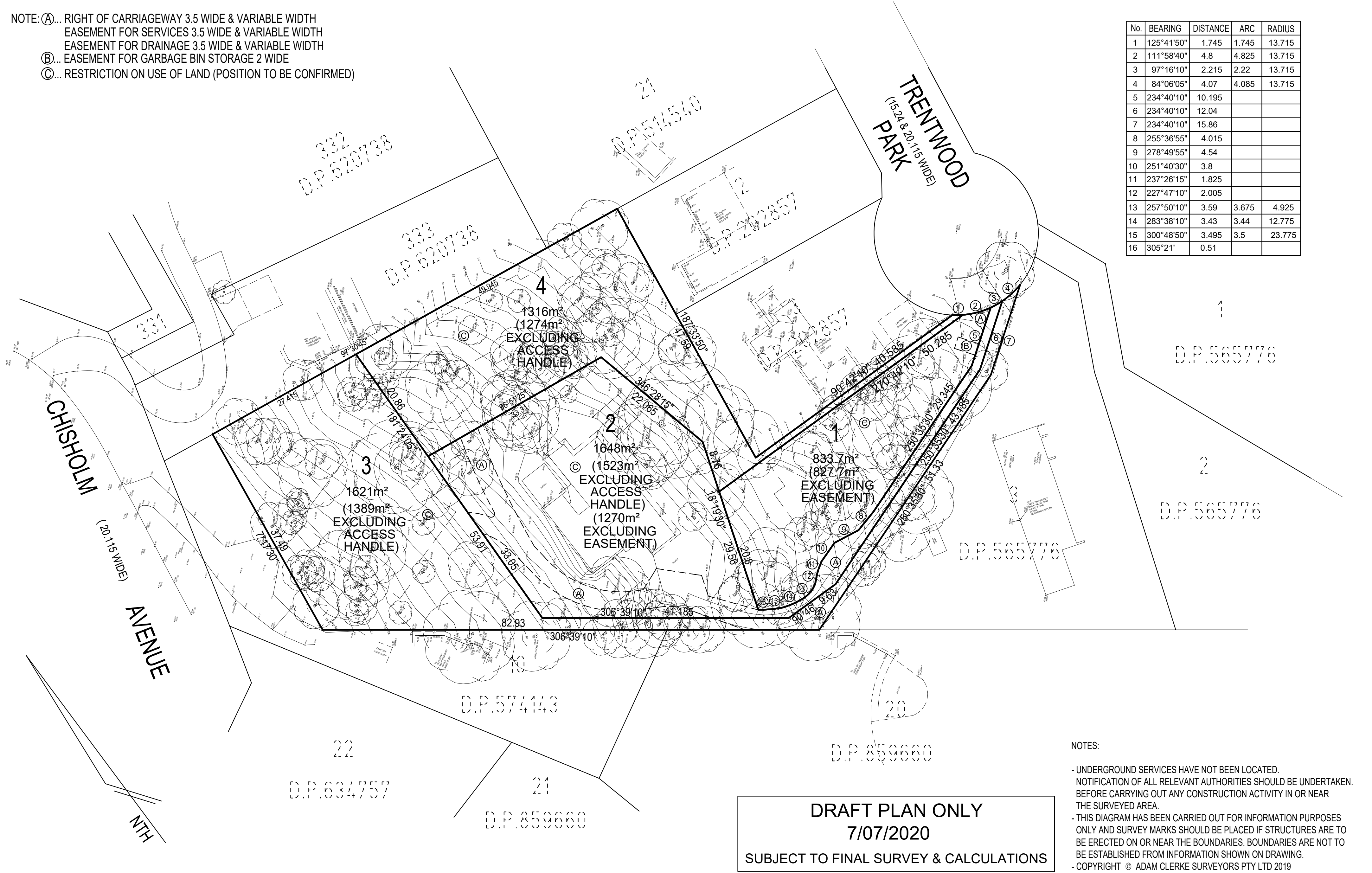
NOTES:

- UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. NOTIFICATION OF ALL RELEVANT AUTHORITIES SHOULD BE UNDERTAKEN. BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
- THIS DIAGRAM HAS BEEN CARRIED OUT FOR INFORMATION PURPOSES ONLY AND SURVEY MARKS SHOULD BE PLACED IF STRUCTURES ARE TO BE ERRECTED ON OR NEAR THE BOUNDARIES. BOUNDARIES ARE NOT TO BE ESTABLISHED FROM INFORMATION SHOWN ON DRAWING.
- COPYRIGHT © ADAM CLERKE SURVEYORS PTY LTD 2019

Surveyor : Adam Clerke Registered Surveyor No.8490 Adam Clerke Surveyors Pty Ltd Mob:0414 400 088 Surveyor's Ref : 11713DP_5	PLAN OF PROPOSED SUBDIVISION OF LOT 1 IN D.P.202857	LGA: NORTHERN BEACHES Locality : NEWPORT		
		Lengths are in metres. Reduction Ratio 1:400		

NOTE: (A)... RIGHT OF CARRIAGEWAY 3.5 WIDE & VARIABLE WIDTH
EASEMENT FOR SERVICES 3.5 WIDE & VARIABLE WIDTH
EASEMENT FOR DRAINAGE 3.5 WIDE & VARIABLE WIDTH
(B)... EASEMENT FOR GARBAGE BIN STORAGE 2 WIDE
(C)... RESTRICTION ON USE OF LAND (POSITION TO BE CONFIRMED)

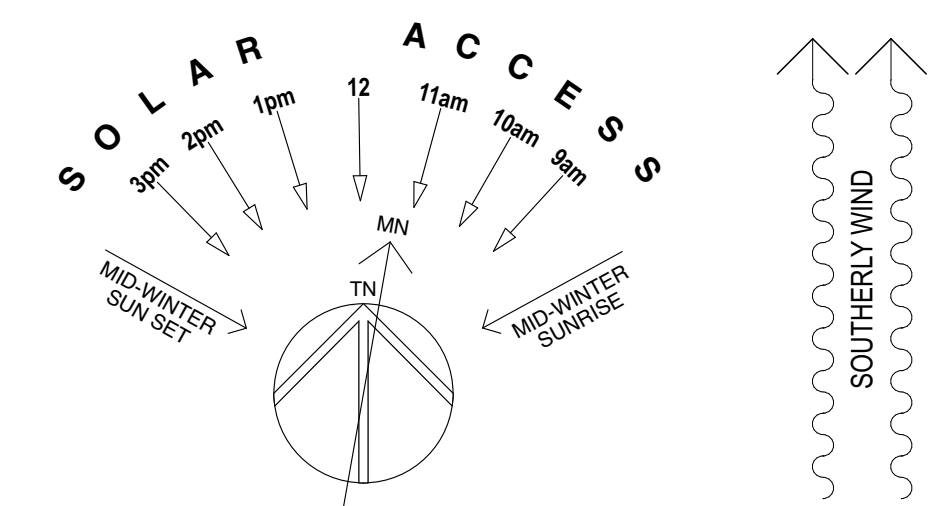
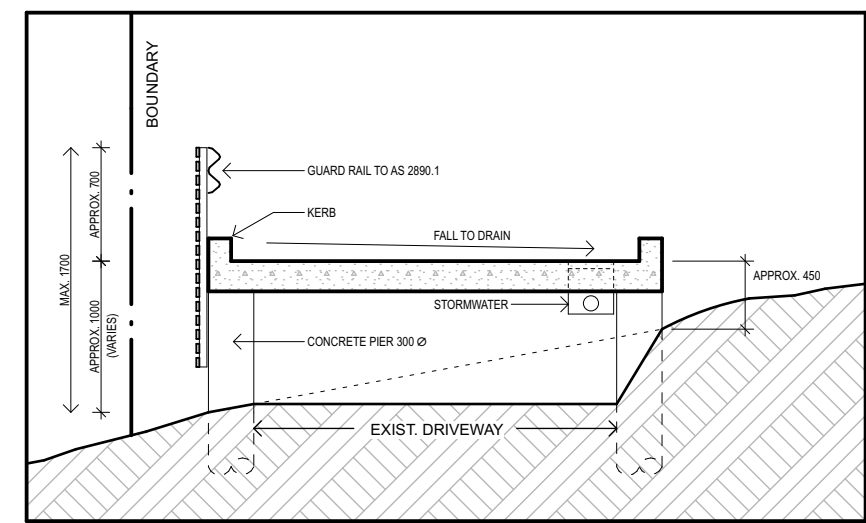
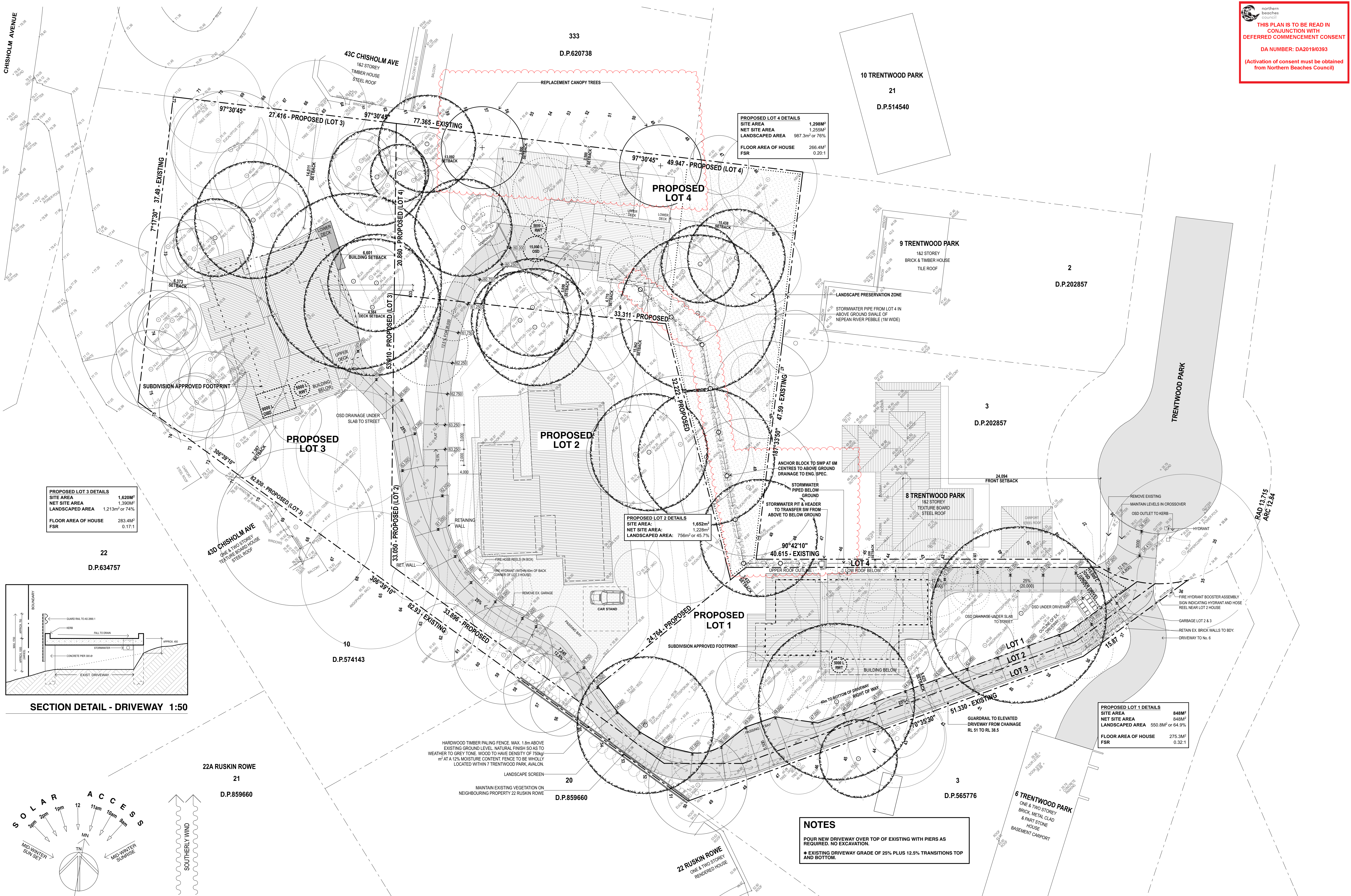
No.	BEARING	DISTANCE	ARC	RADIUS
1	125°41'50"	1.745	1.745	13.715
2	111°58'40"	4.8	4.825	13.715
3	97°16'10"	2.215	2.22	13.715
4	84°06'05"	4.07	4.085	13.715
5	234°40'10"	10.195		
6	234°40'10"	12.04		
7	234°40'10"	15.86		
8	255°36'55"	4.015		
9	278°49'55"	4.54		
10	251°40'30"	3.8		
11	237°26'15"	1.825		
12	227°47'10"	2.005		
13	257°50'10"	3.59	3.675	4.925
14	283°38'10"	3.43	3.44	12.775
15	300°48'50"	3.495	3.5	23.775
16	305°21'	0.51		



NOTES:

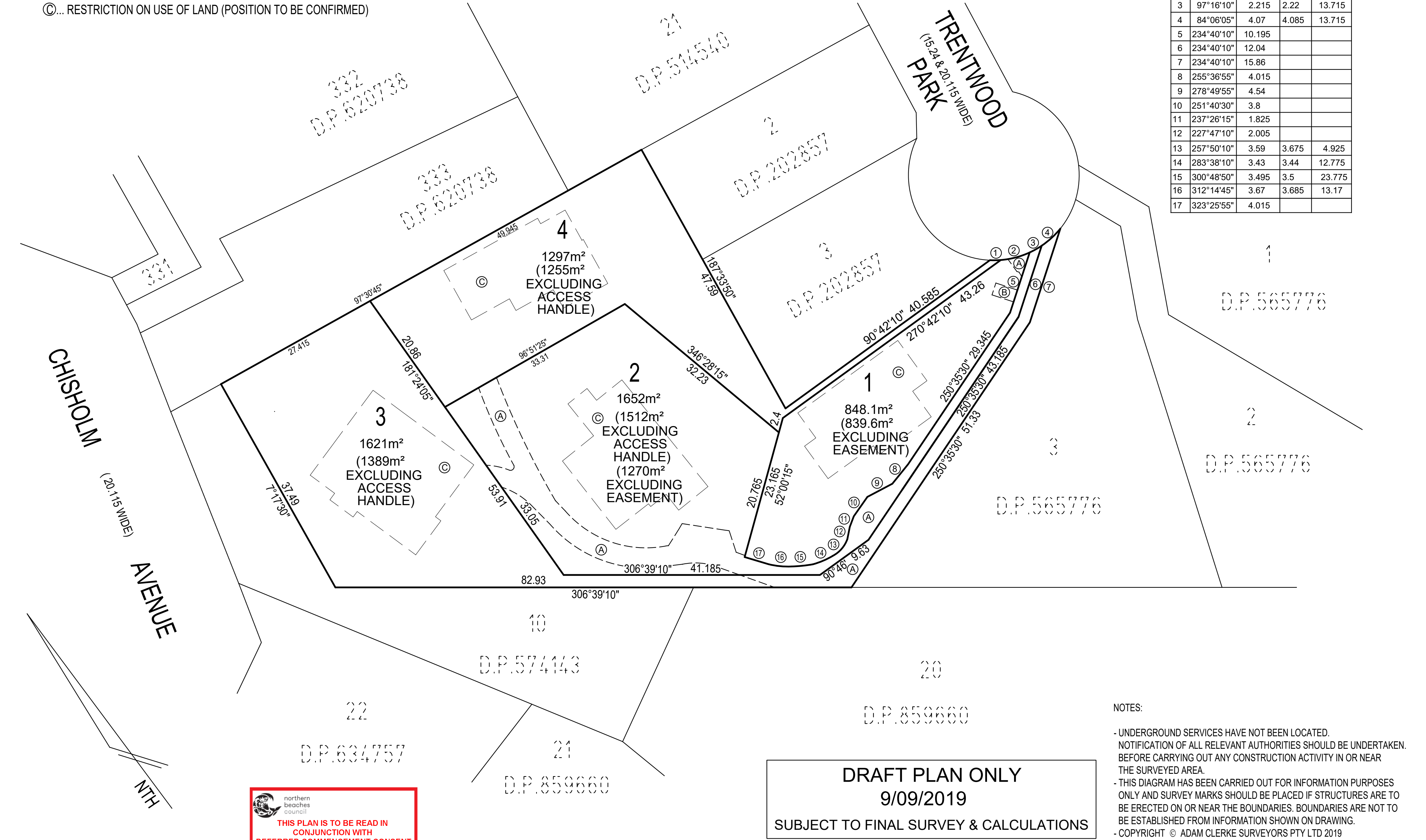
- UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. NOTIFICATION OF ALL RELEVANT AUTHORITIES SHOULD BE UNDERTAKEN. BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
- THIS DIAGRAM HAS BEEN CARRIED OUT FOR INFORMATION PURPOSES ONLY AND SURVEY MARKS SHOULD BE PLACED IF STRUCTURES ARE TO BE ERRECTED ON OR NEAR THE BOUNDARIES. BOUNDARIES ARE NOT TO BE ESTABLISHED FROM INFORMATION SHOWN ON DRAWING.
- COPYRIGHT © ADAM CLERKE SURVEYORS PTY LTD 2019

Surveyor : Adam Clerke Registered Surveyor No.8490 Adam Clerke Surveyors Pty Ltd Mob:0414 400 088 Surveyor's Ref :11713DP_5	PLAN OF PROPOSED SUBDIVISION OF LOT 1 IN D.P.202857	LGA: NORTHERN BEACHES Locality : NEWPORT		
		Lengths are in metres. Reduction Ratio 1:400		



NOTE: (A)... RIGHT OF CARRIAGEWAY 3.5 WIDE & VARIABLE WIDTH
EASEMENT FOR SERVICES 3.5 WIDE & VARIABLE WIDTH
EASEMENT FOR DRAINAGE 3.5 WIDE & VARIABLE WIDTH
(B)... EASEMENT FOR GARBAGE BIN STORAGE 2 WIDE
(C)... RESTRICTION ON USE OF LAND (POSITION TO BE CONFIRMED)

No.	BEARING	DISTANCE	ARC	RADIUS
1	125°41'50"	1.745	1.745	13.715
2	111°58'40"	4.8	4.825	13.715
3	97°16'10"	2.215	2.22	13.715
4	84°06'05"	4.07	4.085	13.715
5	234°40'10"	10.195		
6	234°40'10"	12.04		
7	234°40'10"	15.86		
8	255°36'55"	4.015		
9	278°49'55"	4.54		
10	251°40'30"	3.8		
11	237°26'15"	1.825		
12	227°47'10"	2.005		
13	257°50'10"	3.59	3.675	4.925
14	283°38'10"	3.43	3.44	12.775
15	300°48'50"	3.495	3.5	23.775
16	312°14'45"	3.67	3.685	13.17
17	323°25'55"	4.015		



 **northern beaches council**
THIS PLAN IS TO BE READ IN CONJUNCTION WITH DEFERRED COMMENCEMENT CONSENT
DA NUMBER: DA2019/0393
(Activation of consent must be obtained from Northern Beaches Council)

Surveyor : Adam Clerke
Registered Surveyor
No.8490
Adam Clerke Surveyors Pty Ltd
Mob:0414 400 088
Surveyor's Ref : 11713DP_4

PLAN OF PROPOSED SUBDIVISION OF LOT 1
IN D.P.202857

LGA: NORTHERN BEACHES
Locality : NEWPORT

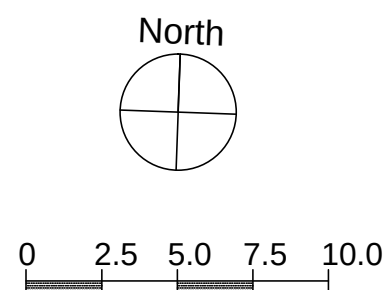
Lengths are in metres. Reduction Ratio 1:400

DRAFT PLAN ONLY
9/09/2019
SUBJECT TO FINAL SURVEY & CALCULATIONS

NOTES:
- UNDERGROUND SERVICES HAVE NOT BEEN LOCATED.
NOTIFICATION OF ALL RELEVANT AUTHORITIES SHOULD BE UNDERTAKEN.
BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR
THE SURVEYED AREA.
- THIS DIAGRAM HAS BEEN CARRIED OUT FOR INFORMATION PURPOSES
ONLY AND SURVEY MARKS SHOULD BE PLACED IF STRUCTURES ARE TO
BE ERECTED ON OR NEAR THE BOUNDARIES. BOUNDARIES ARE NOT TO
BE ESTABLISHED FROM INFORMATION SHOWN ON DRAWING.
- COPYRIGHT © ADAM CLERKE SURVEYORS PTY LTD 2019

CHISHOLM AVENUE

TRENTWOOD PARK



S4.55 / 4 LOT SUBDIVISION
STORMWATER
MANAGEMENT PLAN
~ 1:250

Refer plan 11713DP-5 by *Adam Clerke Surveyors Pty Ltd* for details of the proposed S4.55 works / 4 Lot subdivision.

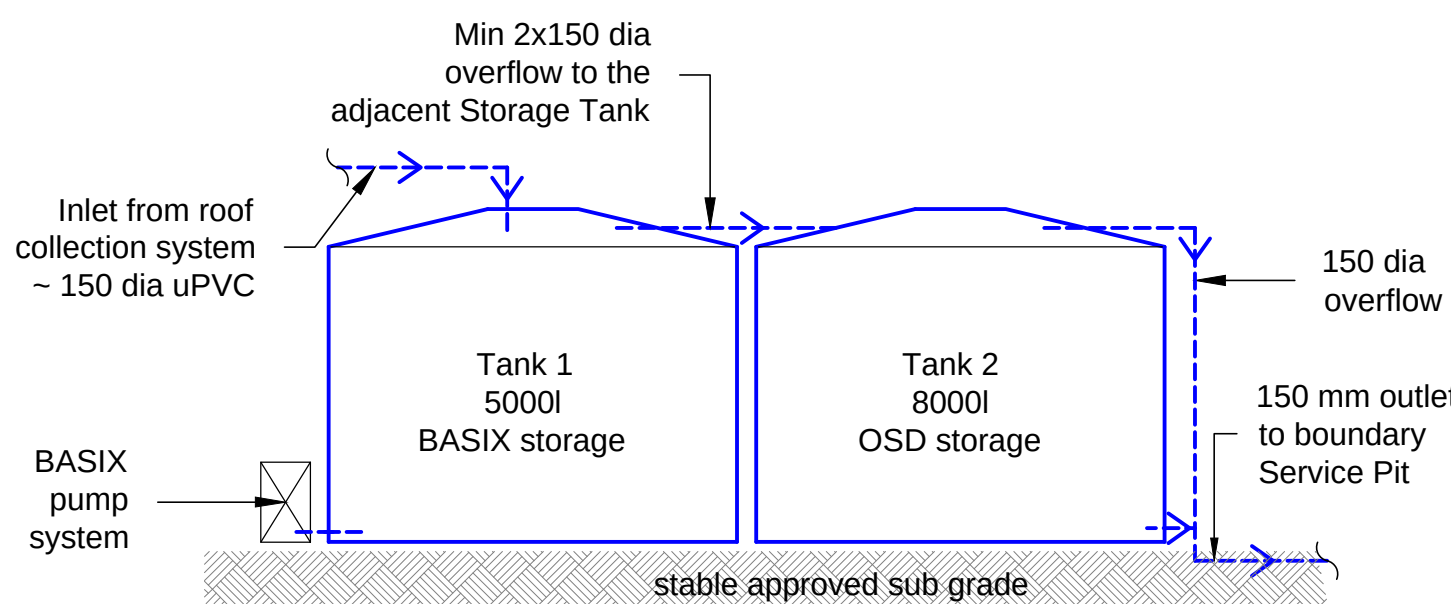
This plan details a conventional drainage system to collect flows from the proposed Lot 1 new residences/driveway and to dispose of these flows to the kerb and gutter within the Trentwood Park cul-de sac.

Lot 2 drainage as per existing conditions as no intend works associated with the S4.55 application.

Future works (ie Lot 3 and Lot 4) to be as per existing DA approval.

Detention Volume and Permissible Site Discharge calculated as per Council DCP Section B5.7. - Independently Derived OSD assessment using DRAINS software analysis to ensure post development flows less than or equal to pre development .

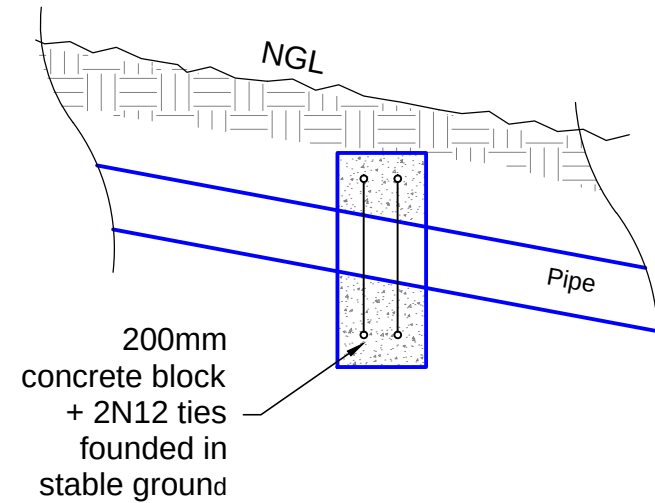
- Stage 1 works (ie Lot 1 and Lot 2)
- Stage 2 works (ie Lot 3 and Lot 4)



INDICATIVE BASIX/OSD SYSTEM LAYOUT

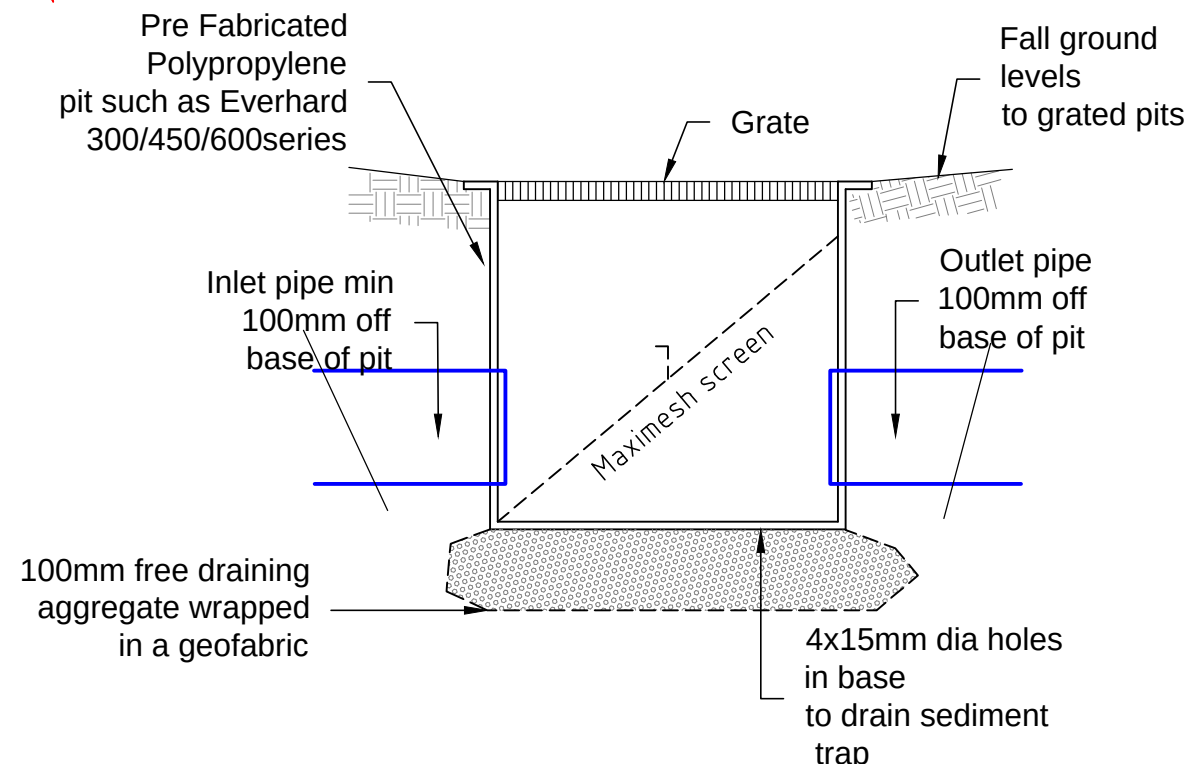
~ 1:50

NOTE - TANK DIMENSIONS AND ORIFICE PL DETAILING TBC DURING CONSTRUCTION



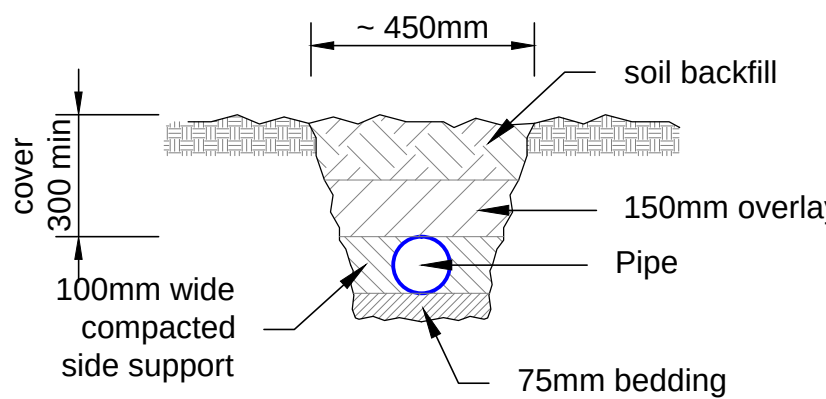
ANCHOR BLOCK
DETAIL

TO BE INSTALLED AT 6m CTS IF
PIPE SLOPE > 1V TO 5H



TYPICAL PIT DETAIL

NTS



TYPICAL uPVC PIPE
& TRENCH DETAIL

~ 1 : 20

- Bedding / overlay to be -
- sand, free from rock, hard or sharp objects
 - max 14mm crushed rock or gravel
 - the excavated material free of rock, hard or sharp objects and broken up with no soil lumps > 75mm dia

STORMWATER NOTES

- All roof collection components (ie gutters down pipes / valley gutters / box gutters etc) are to be located / sized by the Developments contracting Plumber for a **1% AEP** event capacity.
- Pipes shown within plan 150mm dia uPVC min uno.
- All pipes to be uPVC to AS 1254:2002.
- All pipes to be laid at the grade required to match pit invert levels.
- All pipes to be installed and laid in accordance with AS 3500.3:2003.
- All pipes on grades > 1:5 to have anchor blocks @ 6m cts.
- All pits are to be proprietary uv resistant polypropylene or similar unless noted (approved by the Engineer) and are to include a min 50mm sediment trap in the base and a maximesh screen laid at 45° across the pit to protect the outlet pipe .
- All pits greater than 600mm in depth are to be proprietary precast concrete (approved by the Engineer).
- All pits greater than 1000mm in depth are to have adequate access requirements in accordance with OH&S/Workcover requirements (ie; minimum dimensions 900x900mm with step irons).
- All works are to be inspected and certified by the Principle Certifying Authority prior to backfilling.
- All works requiring certification by the Engineer will require a works as executed survey prepared by a registered Surveyor detailing all levels etc as on the Engineering plans.
- The system is to be flushed and cleaned of all sediment and debris annually.
- The system will require regular cleaning and maintenance to ensure its ability to function is maintained.
- To ensure the system's ability to function is maintained it is to be inspected and certified as operating effectively by a licensed plumber every 5 years, and a engineer every 20yrs.
- All existing predevelopment catchment area run-off conditions exiting the site are to be maintained with no run-off flows being diverted from the predevelopment condition.