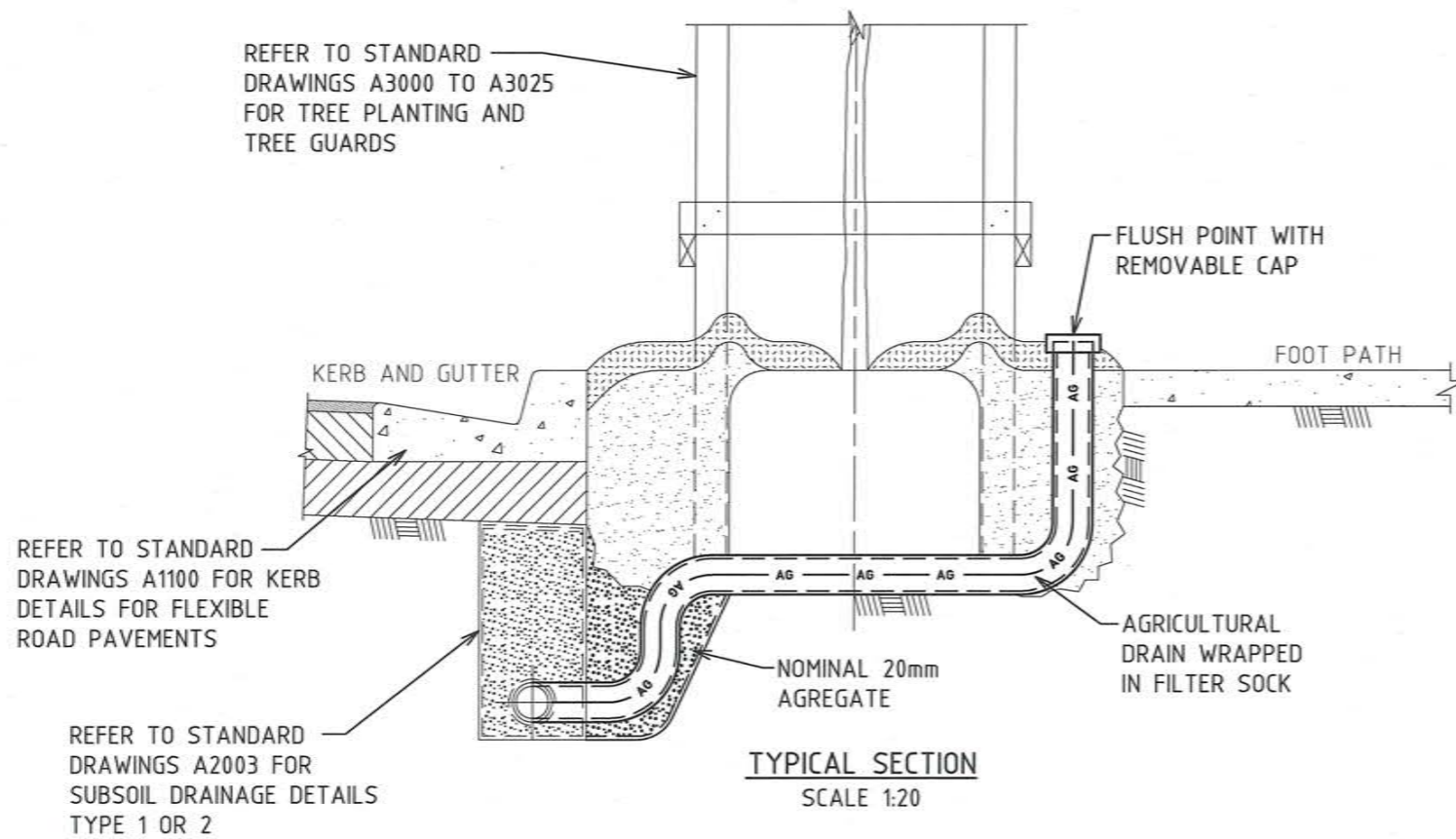
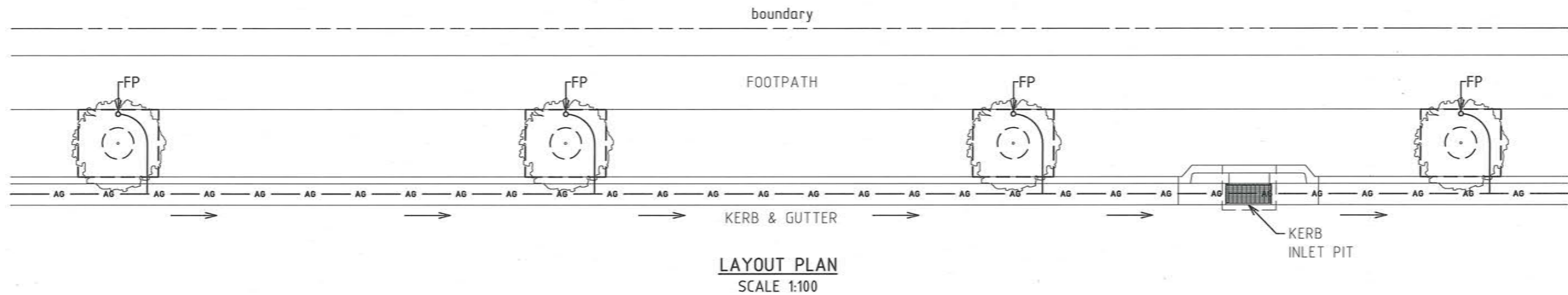


LEGEND
 FP. DENOTES FLUSH POINT FOR AGRICULTURAL DRAIN
 — AG — DENOTES AGRICULTURAL DRAIN WRAPED IN FILTER SOCK



NOTES

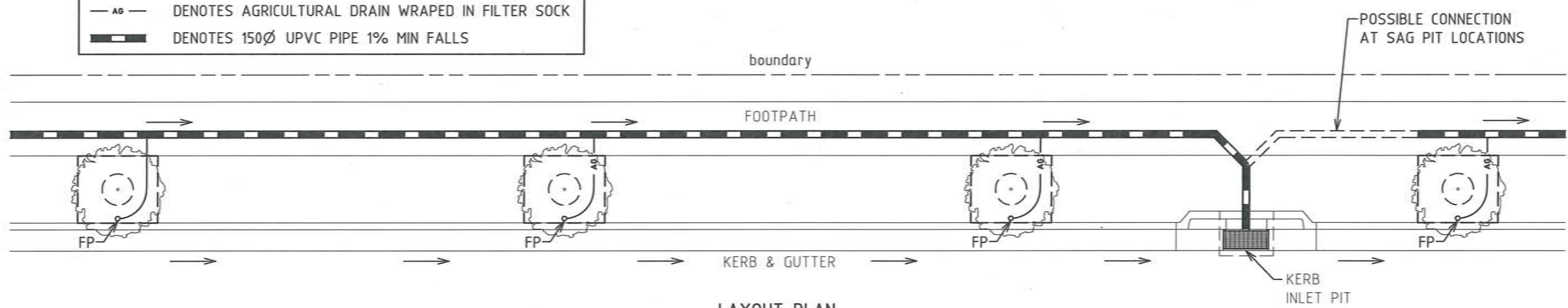
1. ALL PIPES TO HAVE A 1% MINIMUM FALL U.N.O.
2. ALL PIPES TO BE UPVC U.N.O
3. ALL UPVC PIPES TO BE SEWER GRADE AND TO AS1260.
4. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF WORK.
5. ANY FOOTPATHS, KERB AND GUTTER OR ROADWAY DISTURBED BY WORKS TO BE REINSTATED TO CURRENT COUNCIL REQUIREMENTS.

NOTE:
 TREE PLANTING SUBSOIL DRAINAGE IS NOT TO BE RETROFITTED TO EXISTING ROAD PAVEMENT SUBSOIL DRAINAGE. IT IS TO BE INSTALLED AT THE TIME OF CONSTRUCTION OF ROAD PAVEMENT SUBSOIL DRAINAGE

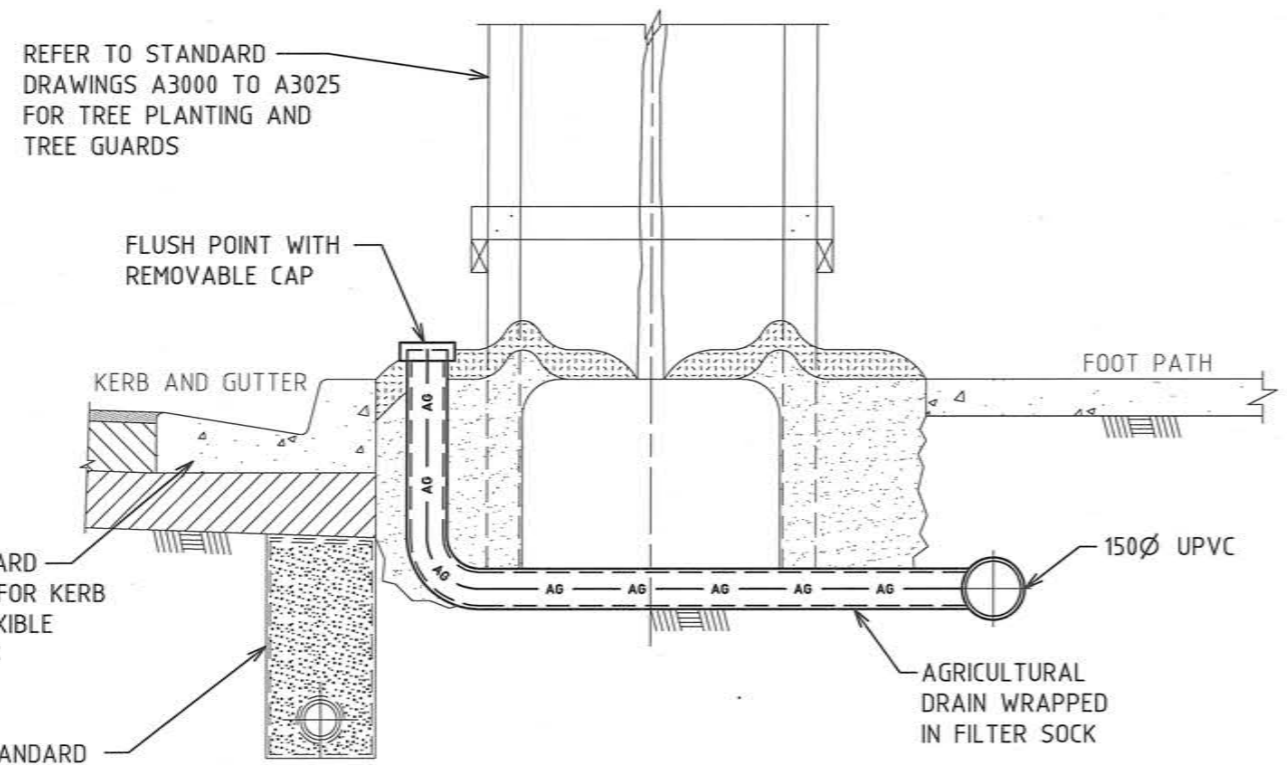
NEW SUBDIVISION OR THE CITY OF NEWCASTLE APPROVED - TREE PLANTING SUBSOIL DRAINAGE (TYPE 1)

SCALE AS SHOWN			 LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES		APPROVED: SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15		THE CITY OF NEWCASTLE TREE PLANTING SUBSOIL DRAINAGE		NCC PLAN No. A3008	SHEET No. 1 OF 6 SHEETS
0 CONSTRUCTION 18.08.15 T.A. No. AMENDMENT DETAILS DATE INITIALS			REVIEWED: J.C.							
A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED			COORDINATE SYSTEM:		HEIGHT DATUM: AHD					

LEGEND
 FP_o DENOTES FLUSH POINT FOR AGRICULTURAL DRAIN
 — AG — DENOTES AGRICULTURAL DRAIN WRAPED IN FILTER SOCK
 ——— DENOTES 150Ø UPVC PIPE 1% MIN FALLS



LAYOUT PLAN
 SCALE 1:100



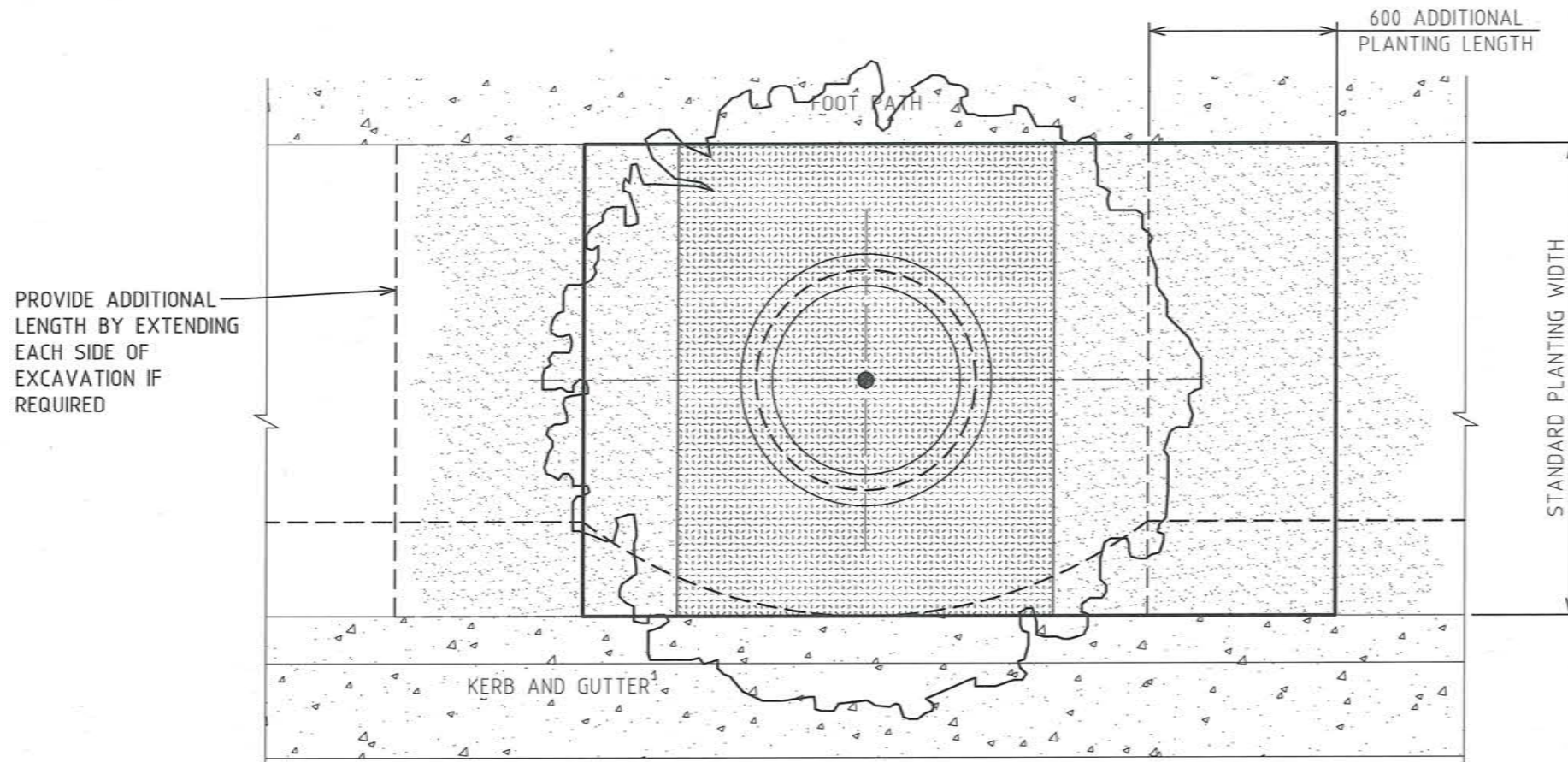
TYPICAL SECTION
 SCALE 1:20

NOTES

1. TREE SUBSOIL DRAINAGE SYSTEM IS TO BE INDEPENDENT OF EXISTING ROAD PAVEMENT SUBSOIL DRAINAGE.
2. ALL PIPES TO HAVE A 1% MINIMUM FALL U.N.O.
3. ALL PIPES TO BE UPVC U.N.O
4. ALL UPVC PIPES TO BE SEWER GRADE AND TO AS1260.
5. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF WORK.
6. ANY FOOTPATHS, KERB AND GUTTER OR ROADWAY DISTURBED BY WORKS TO BE REINSTATED TO CURRENT COUNCIL REQUIREMENTS.

EXISTING SUBDIVISION OR EXISTING COMMERCIAL - TREE PLANTING SUBSOIL DRAINAGE (TYPE 2)

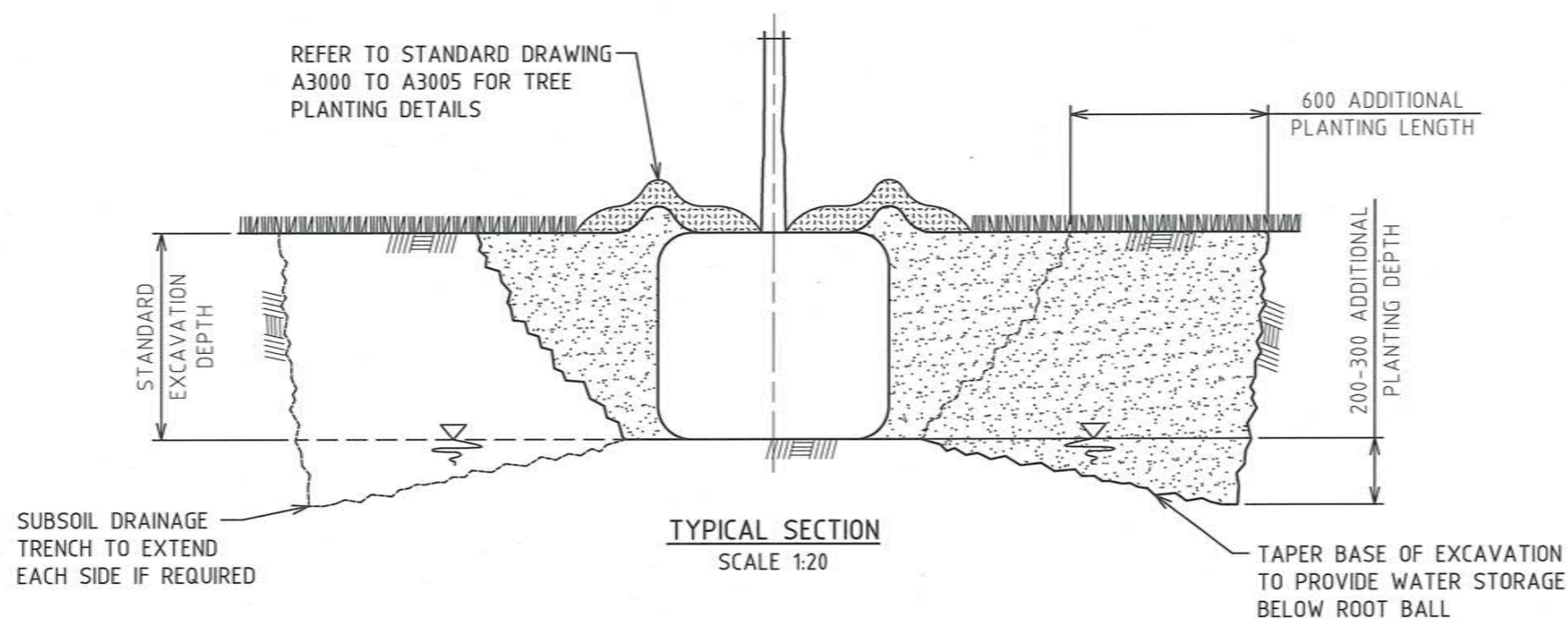
			SCALE AS SHOWN	LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED: SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 24/8/15	THE CITY OF NEWCASTLE TREE PLANTING SUBSOIL DRAINAGE	NCC PLAN No. A3008	SHEET No. 2 OF 6 SHEETS
0	CONSTRUCTION	18.08.15	T.A.					
No.	AMENDMENT DETAILS	DATE	INITIALS					
A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED		COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED:	J.C.			



LAYOUT PLAN
SCALE 1:20

NOTES

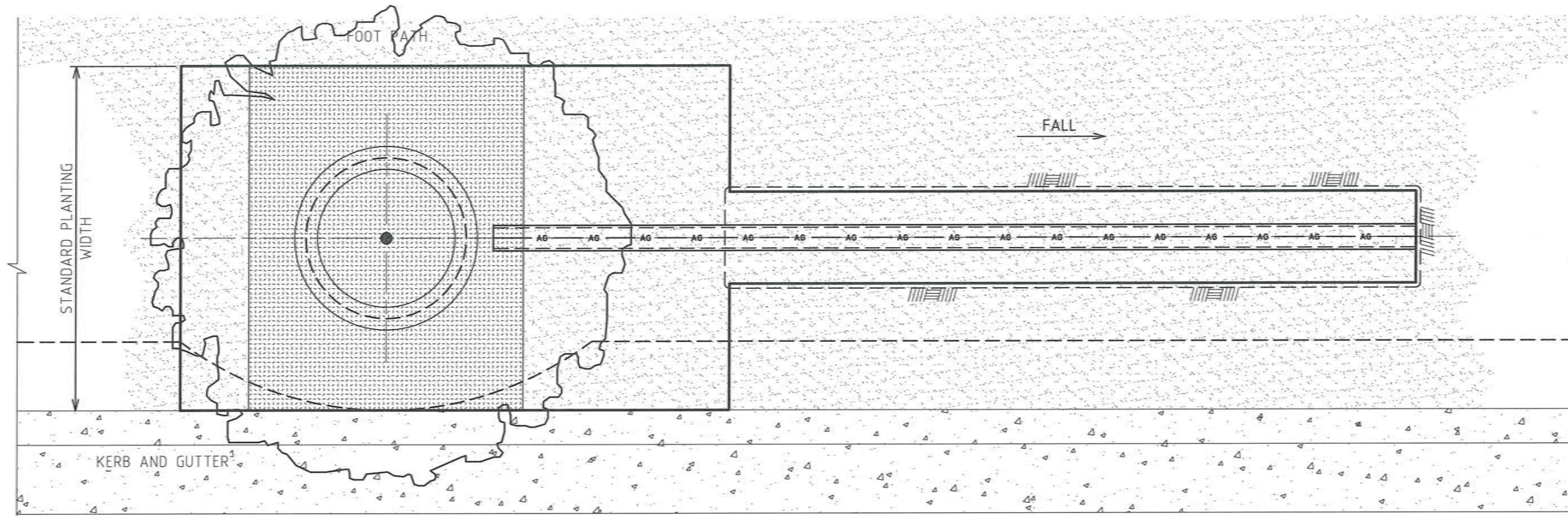
1. THIS DETAIL IS TO BE APPLIED FOR FOOTWAY TREE PLANTING IN EXISTING FOOTWAYS WITH POOR DRAINING SOILS (EG. CLAY) BASED ON SITE ASSESSMENT BY A COUNCIL OFFICER.



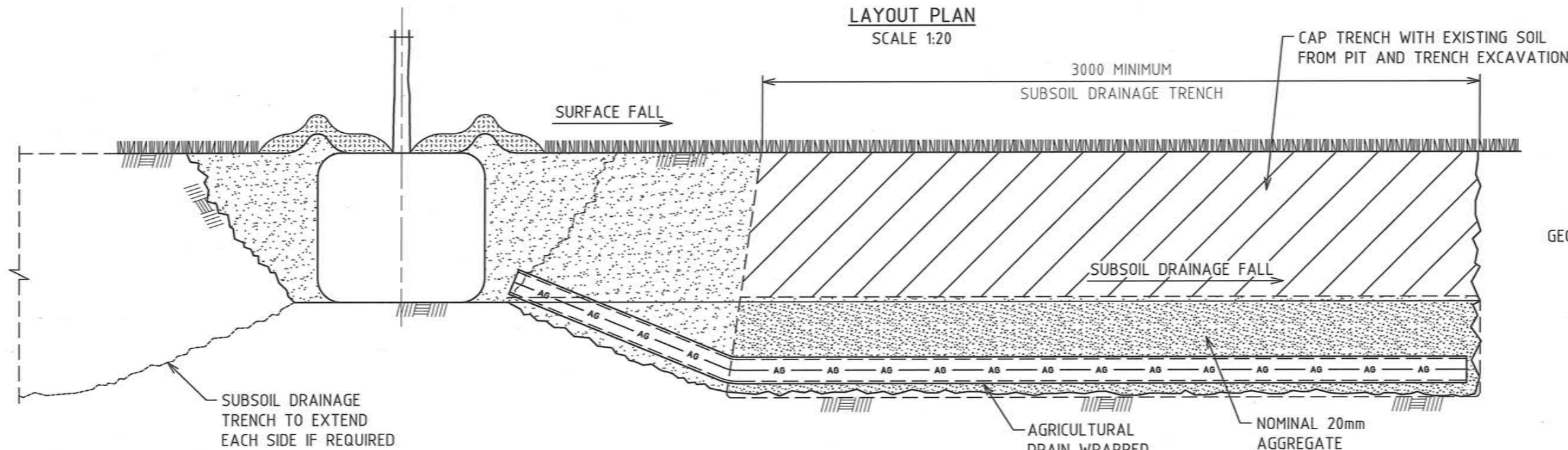
TYPICAL SECTION
SCALE 1:20

ELONGATION OF TREE PIT - TREE PLANTING SUBSOIL DRAINAGE TRENCH (TYPE 1)

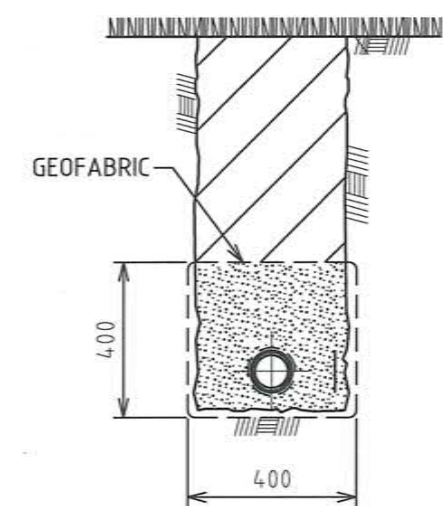
			SCALE AS SHOWN	LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED: SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 24/8/15	THE CITY OF NEWCASTLE TREE PLANTING SUBSOIL DRAINAGE	NCC PLAN No. A3008	SHEET No. 3 OF 6 SHEETS
0	CONSTRUCTION	18.08.15	T.A.					
No.	AMENDMENT DETAILS	DATE	INITIALS					
A3 ORIGINAL		THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED		COORDINATE SYSTEM:	HEIGHT DATUM: AHD			



LAYOUT PLAN
SCALE 1:20



TYPICAL LONG SECTION
SCALE 1:20



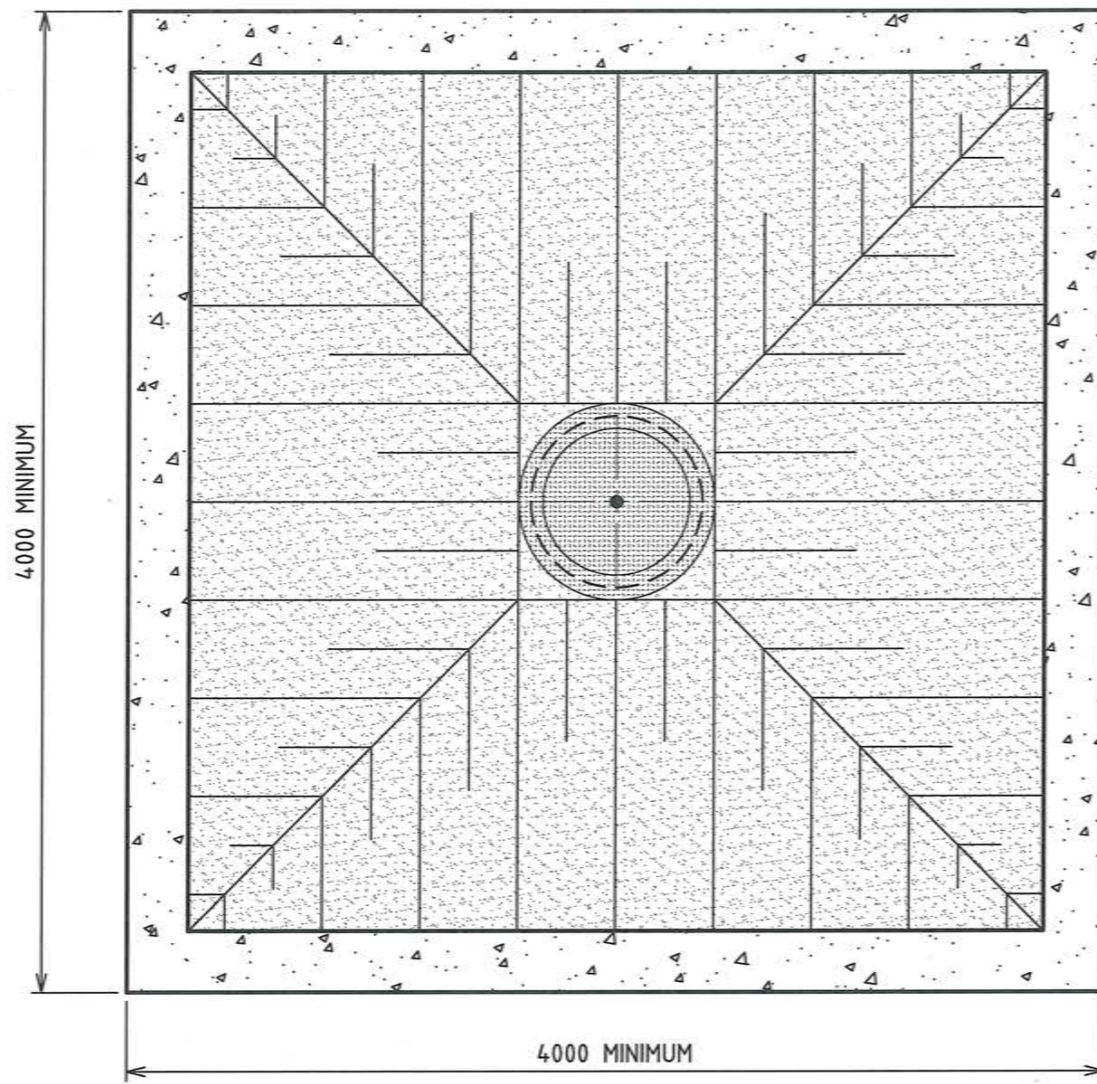
TYPICAL CROSS SECTION
SCALE 1:20

NOTES

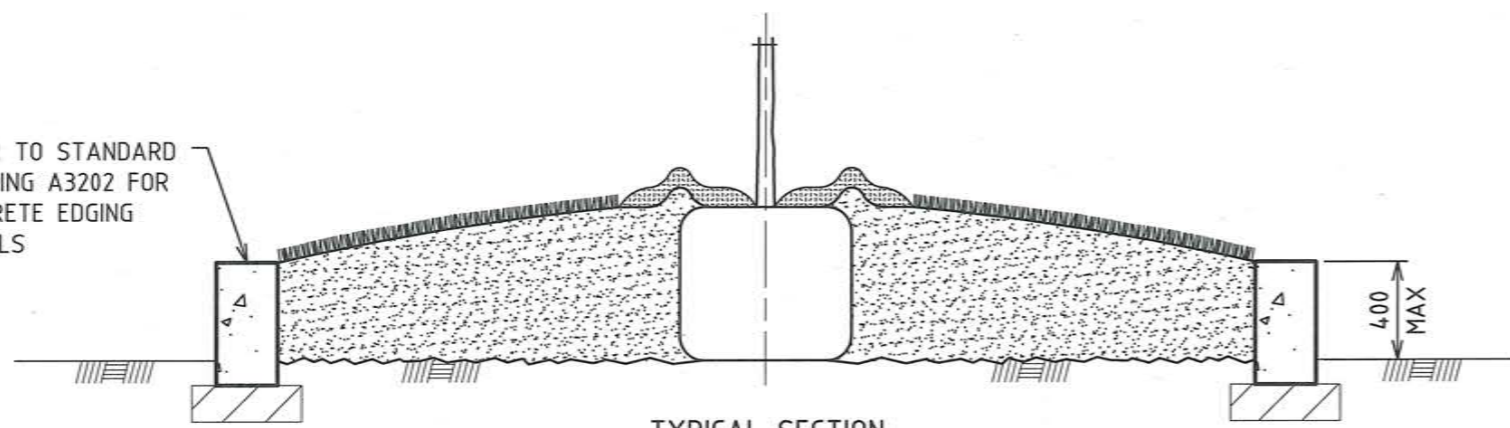
1. THIS DETAIL IS TO BE APPLIED FOR FOOTWAY TREE PLANTING IN EXISTING FOOTWAYS WITH POOR DRAINING SOILS (EG. CLAY) BASED ON SITE ASSESSMENT BY A COUNCIL OFFICER.

ELONGATION AND TRENCHING OF TREE PIT ONE SIDE - TREE PLANTING SUBSOIL DRAINAGE TRENCH (TYPE 2)

			SCALE AS SHOWN	LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED: SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15	THE CITY OF NEWCASTLE TREE PLANTING SUBSOIL DRAINAGE	NCC PLAN No. A3008	SHEET No. 4 OF 6 SHEETS
0	CONSTRUCTION	18.08.15	T.A.					
No.	AMENDMENT DETAILS	DATE	INITIALS					
A3 ORIGINAL	THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED			COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.	AMENDMENT No.	



LAYOUT PLAN
SCALE 1:30




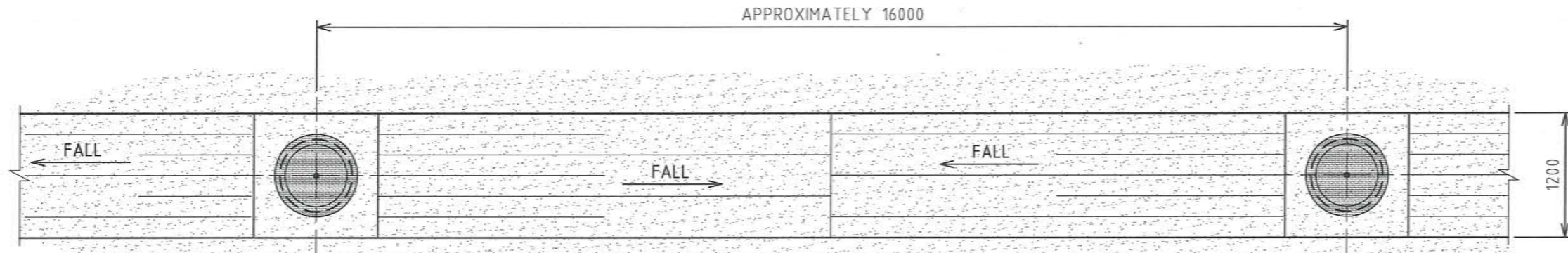
TYPICAL SECTION
SCALE 1:30

MOUNDING OF PLANTING - TREE PLANTING SUBSOIL DRAINAGE TRENCH (TYPE 3)

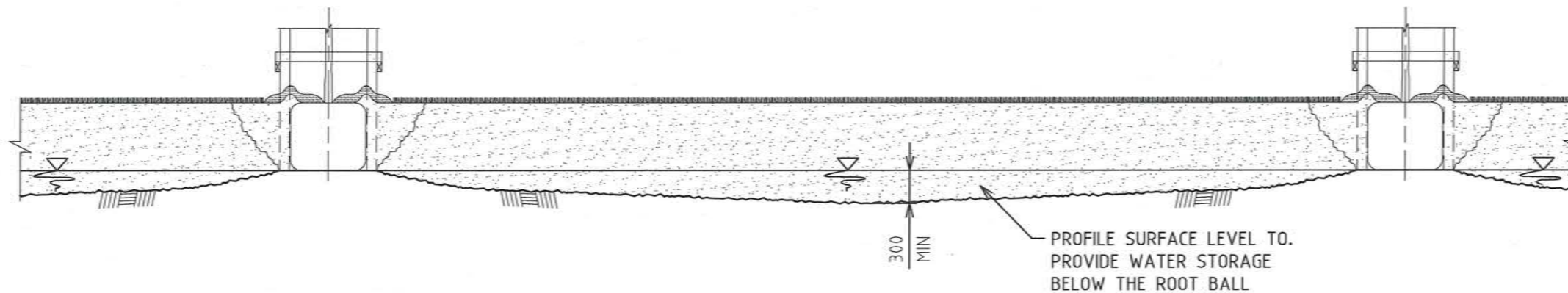
NOTES

1. THIS DETAIL IS TO BE APPLIED FOR FOOTWAY TREE PLANTING IN EXISTING FOOTWAYS WITH POOR DRAINING SOILS (EG. CLAY) BASED ON SITE ASSESSMENT BY A COUNCIL OFFICER.
2. SHOULD ONLY BE USED WHEN OTHER DRAINAGE OPTIONS ARE IMPRACTICAL.
3. SHOULD ONLY BE USED IN FOOTWAYS GRATER THAN 7m WIDE.
4. MOUND MAY HAVE NO EDGING IN OPEN SPACES (EG. PARKS)
5. NOT BE SUITABLE FOR PLANTING OF TREES GREATER THAN 100 LITRE

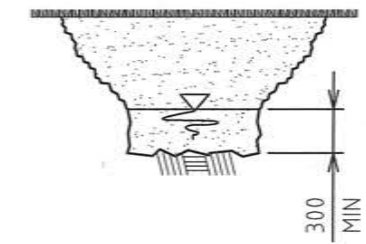
				SCALE AS SHOWN	 LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED:  SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15	THE CITY OF NEWCASTLE TREE PLANTING SUBSOIL DRAINAGE	NCC PLAN No. A3008	SHEET No. 5 OF 6 SHEETS
0	CONSTRUCTION	18.08.15	T.A.						
No.	AMENDMENT DETAILS	DATE	INITIALS						
A3 ORIGINAL	THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED			COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.		AMENDMENT No.	



LAYOUT PLAN
SCALE 1:50



TYPICAL LONG SECTION
SCALE 1:50



TYPICAL CROSS SECTION
SCALE 1:50

NOTES

1. THIS DETAIL IS TO BE APPLIED FOR FOOTWAY TREE PLANTING IN EXISTING FOOTWAYS WITH POOR DRAINING SOILS (EG. CLAY) BASED ON SITE ASSESSMENT BY A COUNCIL OFFICER.

TRENCH PLANTING - TREE PLANTING SUBSOIL DRAINAGE TRENCH (TYPE 4)

				SCALE AS SHOWN	LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED: SIGNED: <i>[Signature]</i> INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15	THE CITY OF NEWCASTLE TREE PLANTING SUBSOIL DRAINAGE	NCC PLAN No. A3008	SHEET No. 6 OF 6 SHEETS
0	CONSTRUCTION	18.08.15	T.A.						
No.	AMENDMENT DETAILS	DATE	INITIALS						
A3 ORIGINAL	THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED			COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.		AMENDMENT No.	