

APPENDIX 9

As Built Drawings

- 30410-01-S19-WW1A, WW1B, WW1C, WW1D, Rev AB – Stage 19 Wastewater Asbuilt Plans
- 30410-01-S19-W1A, W1B, W1C, Rev AB – Stage 19 Water Reticulation Asbuilt Plans
- 30410-01-S19-SW1A, SW1B, SW1C, Rev AB – Stage 19 Stormwater Asbuilt Plans
- 30410-01-S19-R1A, R1B, R1C, Rev AB – Stage 19 Rooding Asbuilt Plans
- Landscape and planting As Built plans
Stage 19-BM191029_ 100 & 130, 200 & 203, 500 to 516 & 600
Reserve-BM191029_ 100 & 130, 200 to 207, 500 to 515 and 600



WASTEWATER MANHOLES COORDINATES

MANHOLE ID	DIA	EASTING	NORTHING	LID LEVEL	INVERT OUT	INVERT IN	INVERT IN	INVERT IN
EX.WWMH 1-14-7	1050	447394.84	702613.73	39.54	35.21	35.26	35.21	
WWMH 1-14-7-5	1050	447398.96	702603.61	39.78	35.38	35.42	38.32	
WWMH 1-14-7-4	1050	447429.98	702539.38	40.53	36.00	36.06	36.02	36.05

WASTEWATER PIPELINES

UPSTREAM MH	DOWNSTREAM MH	PIPE DIA	MATERIAL	CLASS	PIPE LENGTH	PIPE GRADE	UPSTREAM IL	DOWNSTREAM IL
WWMH 1-14-6	EX.WWMH 1-14-7	225	uPVC SN16	RR	63.3	1:288	35.43	35.21
WWMH 1-14-7-5	WWMH 1-14-7	150	uPVC SN16	RR	10.9	1:91	35.38	35.26
WWMH 1-14-7-4	WWMH 1-14-7-5	150	uPVC SN16	RR	71.3	1:123	36.00	35.42
WWMH 1-14-7-3	WWMH 1-14-7-4	150	uPVC SN16	RR	93.4	1:144	36.67	36.02



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NOTES:

- HCC REF: 011.2019.7140.003.
- LOT CONNECTIONS ARE Ø100 uPVC SN16 RR JOINT UNLESS OTHERWISE STATED.

LEGEND:

- LOT BOUNDARY
- ABUTTALS
- WASTEWATER MAIN
- WASTEWATER CONNECTION
- WASTEWATER EXISTING
- WASTEWATER MANHOLE (NEW)
- WASTEWATER MANHOLE (EXISTING)

TO BE READ IN CONJUNCTION WITH
30410-01-S19-WW1B

Rev	DESCRIPTION	DRN	CKD	APP	DATE
0	PRELIMINARY	NW	SRC	BP	03/23

SURVEYED	DM	03/23	DESIGNED		
COORDINATE SYSTEM: NZGD 2000 - MT EDEN CIRCUIT					
ORIGIN OF COORDINATES: IT II DPS 35839					
HEIGHT DATUM: MOTURIKI 1953					
ORIGIN OF HEIGHT: SS507 SO 42451 RL: 44.04m					

TITLE

STAGE 19 WASTEWATER AS-BUILT PLAN



ORIGINAL SCALES @ A3 STATUS
1:500 AS-BUILT

DO NOT SCALE DIMENSIONS
DRAWING NO. 30410-01-S19-WW1A AB

REVISION

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WASTEWATER MANHOLES COORDINATES								
MANHOLE ID	DIA	EASTING	NORTHING	LID LEVEL	INVERT OUT	INVERT IN	INVERT IN	INVERT IN
WWMH 1-14-7-3	1050	447470.31	702455.17	39.42	36.67	36.71		
WWMH 1-14-7-2	1050	447486.10	702412.93	38.89	37.14	37.21		
WWMH 1-14-8-2	1050	447561.49	702390.61	39.71	36.57	36.67	36.68	
WWMH 1-14-8-1	1050	447523.92	702376.66	39.18	37.46	37.57		

WASTEWATER PIPELINES								
UPSTREAM MH	DOWNSTREAM MH	PIPE DIA	MATERIAL	CLASS	PIPE LENGTH	PIPE GRADE	UPSTREAM IL	DOWNSTREAM IL
WWMH 1-14-7-3	WWMH 1-14-7-4	150	uPVC SN16	RR	93.4	1:144	36.67	36.02
WWMH 1-14-7-2	WWMH 1-14-7-3	150	uPVC SN16	RR	45.1	1:105	37.14	36.71
WWMH 1-14-8-1	WWMH 1-14-8-2	150	uPVC SN16	RR	40.1	1:51	37.46	36.68



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LEGEND:

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- - - ABUTTALS
- WASTEWATER MAIN
- WASTEWATER CONNECTION
- - - WASTEWATER EXISTING
- WASTEWATER MANHOLE (NEW)
- WASTEWATER MANHOLE (EXISTING)

TO BE READ IN CONJUNCTION WITH 30410-01-S19-WW1A

Rev	DESCRIPTION	DRN	CKD	APP	DATE
0	PRELIMINARY	NW	SRC	BP	03/23

NAME	DATE	NAME	DATE
SURVEYED	DM 03/23	DESIGNED	

COORDINATE SYSTEM: NZGD 2000 - MT EDEN CIRCUIT
ORIGIN OF COORDINATES: IT II DPS 36839
HEIGHT DATUM: MOTURIKI 1953
ORIGIN OF HEIGHT: SS507 SO 42451 RL: 44.04m

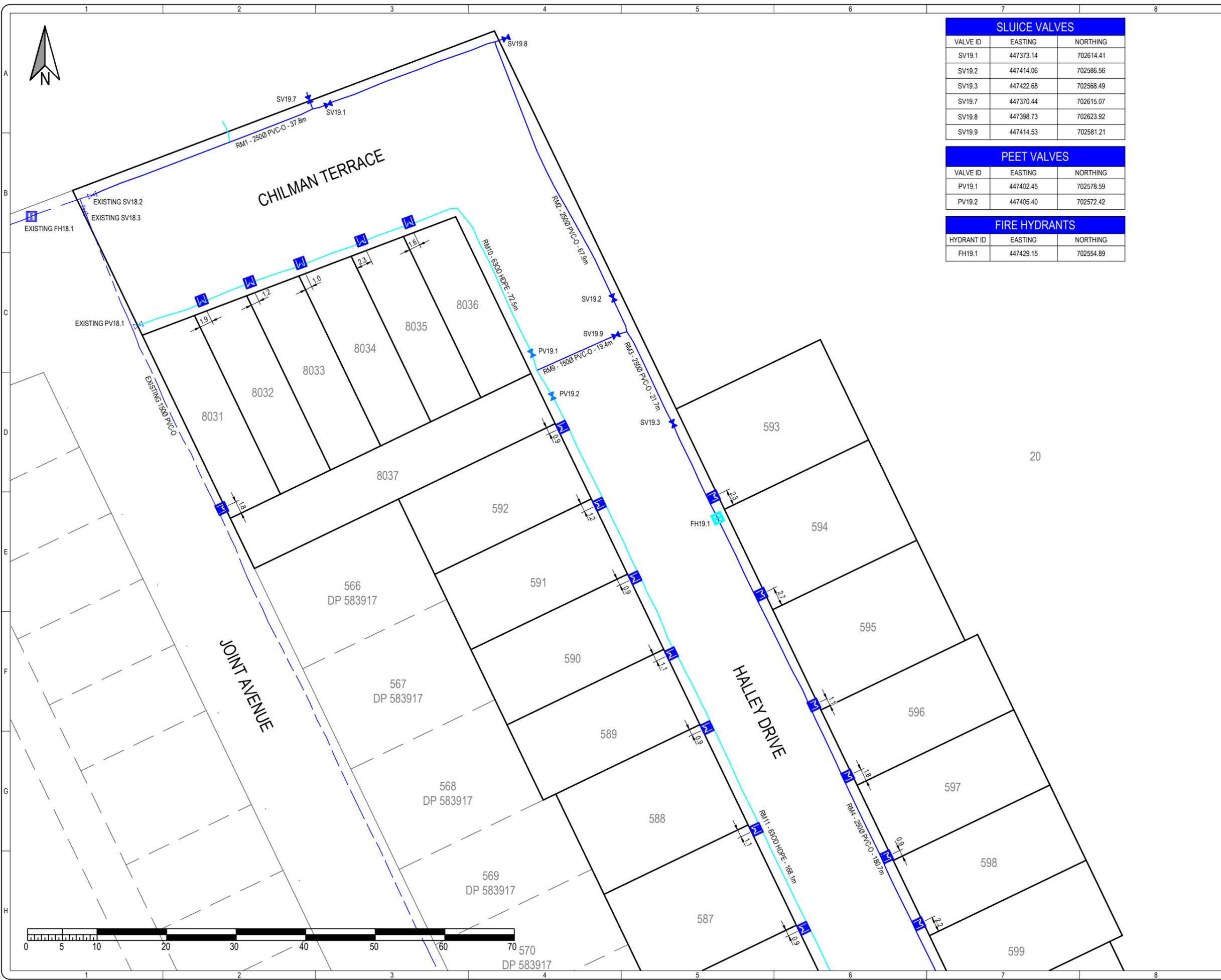
TITLE

STAGE 19 WASTEWATER AS-BUILT PLAN

PREPARED FOR

ORIGINAL SCALES @ A3	STATUS
1:500	AS-BUILT
DO NOT SCALE DIMENSIONS	
DRAWING NO	REVISION
30410-01-S19-WW1B	AB

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SLUICE VALVES		
VALVE ID	EASTING	NORTHING
SV19.1	447373.14	702614.41
SV19.2	447414.06	702586.56
SV19.3	447422.68	702568.49
SV19.7	447370.44	702615.07
SV19.8	447398.73	702623.92
SV19.9	447414.53	702581.21

PEET VALVES		
VALVE ID	EASTING	NORTHING
PV19.1	447402.45	702578.59
PV19.2	447405.40	702572.42

FIRE HYDRANTS		
HYDRANT ID	EASTING	NORTHING
FH19.1	447429.15	702554.89


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- NOTES:**
- HCC REF: 011.2019.7140.003.
 - WATERMAINS PLOTTED FROM DATA SUPPLIED BY ONLINE CONTRACTORS.

- LEGEND:**
- LOT BOUNDARY
 - ABUTTALS
 - EXISTING WATERMAIN
 - EXISTING RIDERMAIN
 - WATERMAIN
 - RIDERMAIN
 - VALVE (NEW)
 - VALVE (EXISTING)
 - FIRE HYDRANT
 - WATER METER

TO BE READ IN CONJUNCTION WITH 30410-01-S19-W1B

Rev	DESCRIPTION	DRN	CKD	APP	DATE
0	PRELIMINARY	NW	SRC	BP	03/23

NAME	DATE	NAME	DATE
SURVEYED ONLINE	09/22	DESIGNED	

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STAGE 19
WATER
AS-BUILT PLAN

PREPARED FOR

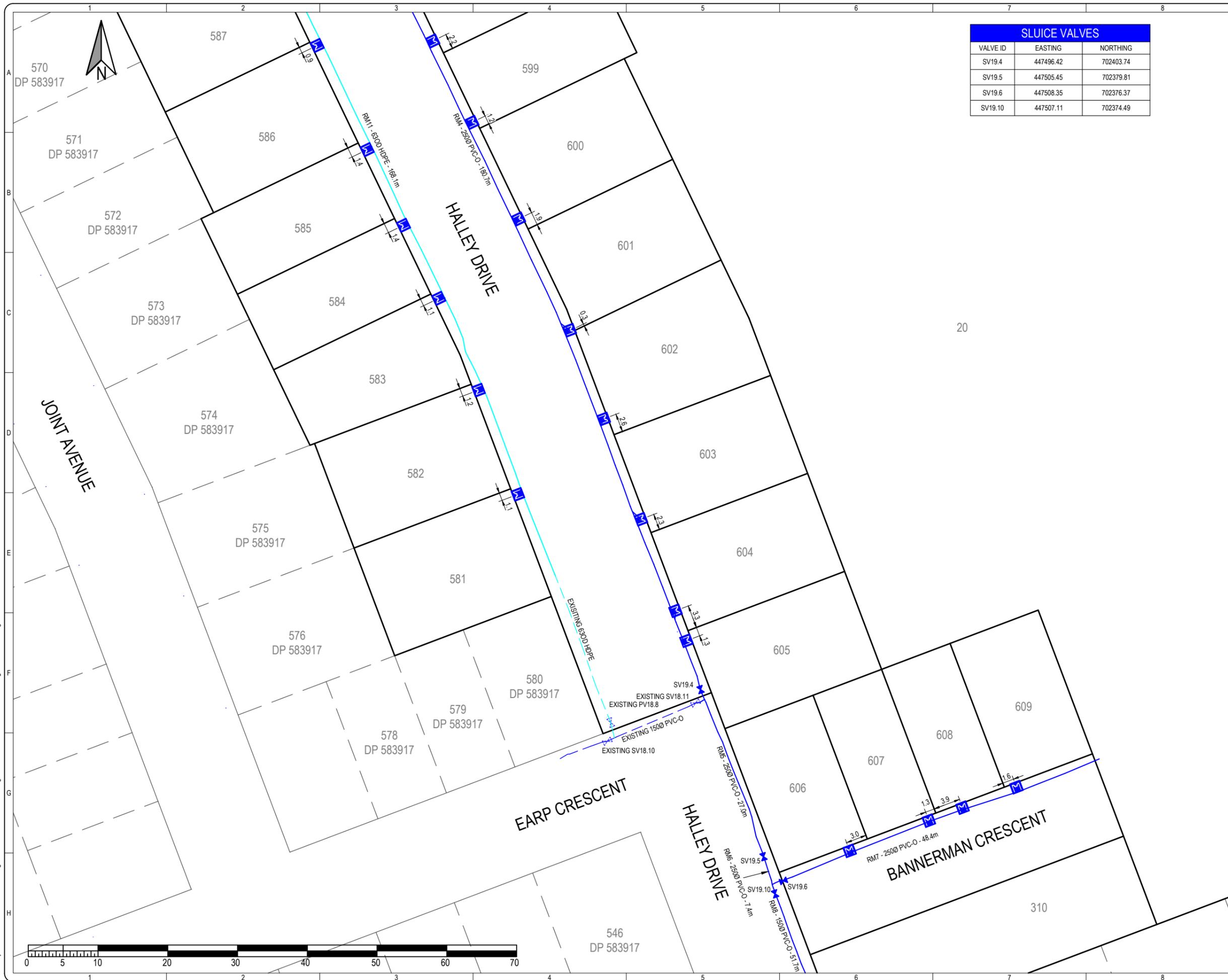


ORIGINAL SCALES @ A3	STATUS
1:500	AS-BUILT
DO NOT SCALE DIMENSIONS	
DRAWING NO	REVISION
30410-01-S19-W1A	AB

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SLUICE VALVES		
VALVE ID	EASTING	NORTHING
SV19.4	447496.42	702403.74
SV19.5	447505.45	702379.81
SV19.6	447508.35	702376.37
SV19.10	447507.11	702374.49


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 - ABUTTALS
 - EXISTING WATERMAIN
 - EXISTING RIDERMAIN
 - WATERMAIN
 - RIDERMAIN
 - VALVE (NEW)
 - VALVE (EXISTING)
 - FIRE HYDRANT
 - WATER METER

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STAGE 19
WATER
AS-BUILT PLAN

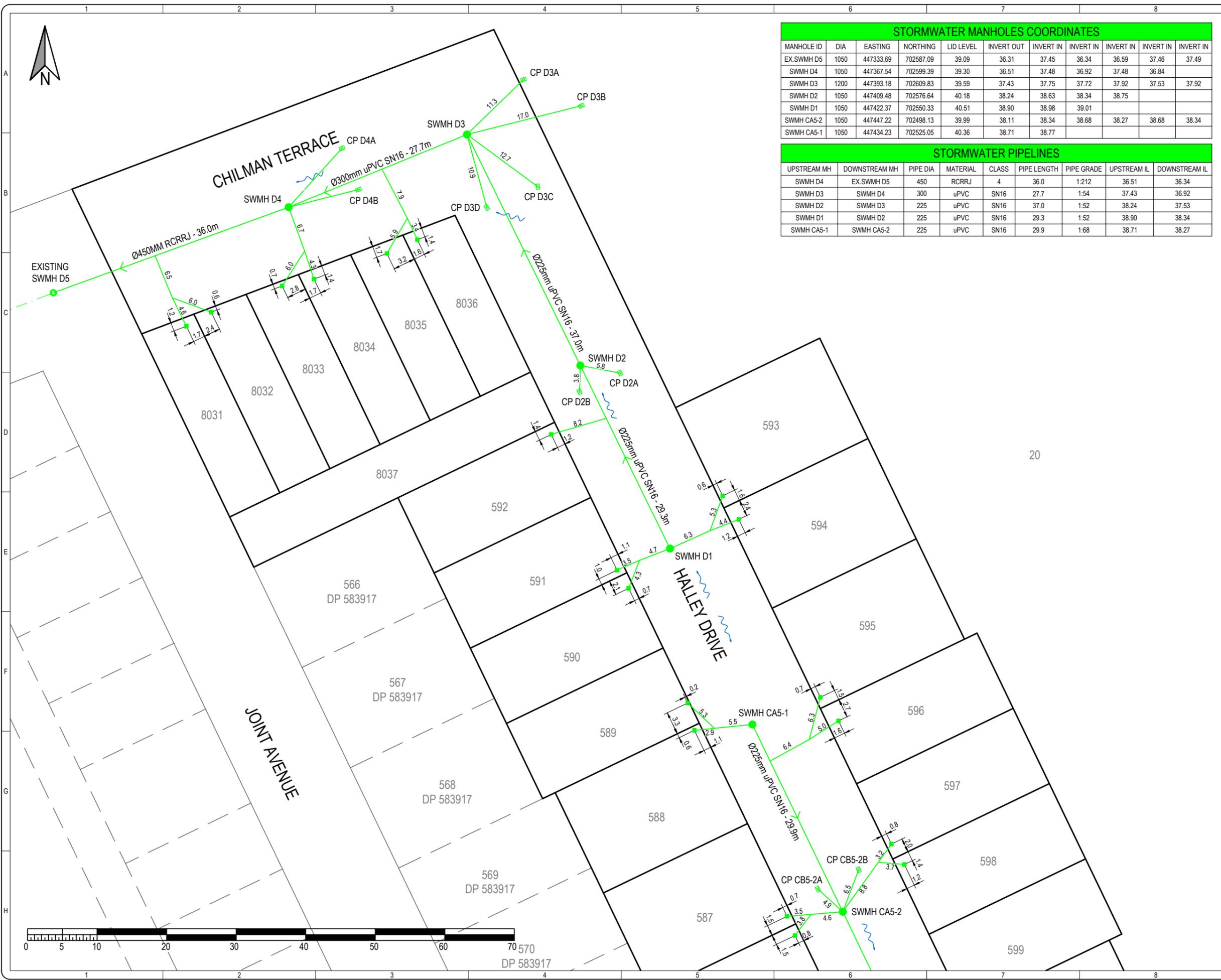
PREPARED FOR




ORIGINAL SCALES @ A3	STATUS
1:500	AS-BUILT
DO NOT SCALE DIMENSIONS	
DRAWING NO	REVISION
30410-01-S19-W1B	AB

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STORMWATER MANHOLES COORDINATES

MANHOLE ID	DIA	EASTING	NORTHING	LID LEVEL	INVERT OUT	INVERT IN	INVERT IN	INVERT IN	INVERT IN
EX.SWMH D5	1050	447333.69	702587.09	39.09	36.31	37.45	36.34	36.59	37.46
SWMH D4	1050	447367.54	702599.39	39.30	36.51	37.48	36.92	37.48	36.84
SWMH D3	1200	447393.18	702609.83	39.59	37.43	37.75	37.72	37.92	37.53
SWMH D2	1050	447409.48	702576.64	40.18	38.24	38.63	38.34	38.75	
SWMH D1	1050	447422.37	702550.33	40.51	38.90	38.98	39.01		
SWMH CA5-2	1050	447447.22	702498.13	39.99	38.11	38.34	38.68	38.27	38.68
SWMH CA5-1	1050	447434.23	702525.05	40.36	38.71	38.77			

STORMWATER PIPELINES

UPSTREAM MH	DOWNSTREAM MH	PIPE DIA	MATERIAL	CLASS	PIPE LENGTH	PIPE GRADE	UPSTREAM IL	DOWNSTREAM IL
SWMH D4	EX.SWMH D5	450	RCRRJ	4	36.0	1:212	36.51	36.34
SWMH D3	SWMH D4	300	uPVC	SN16	27.7	1:54	37.43	36.92
SWMH D2	SWMH D3	225	uPVC	SN16	37.0	1:52	38.24	37.53
SWMH D1	SWMH D2	225	uPVC	SN16	29.3	1:52	38.90	38.34
SWMH CA5-1	SWMH CA5-2	225	uPVC	SN16	29.9	1:68	38.71	38.27


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- NOTES:**
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 - ALL SINGLE CATCHPIT LEADS ARE Ø225 DIA UPVC SN16 UNLESS OTHERWISE STATED.
 - ALL DOUBLE CATCHPIT LEADS ARE Ø300 DIA UPVC SN16 UNLESS OTHERWISE STATED.
 - LOT CONNECTIONS ARE Ø100 FOR SINGLE AND Ø150 FOR DOUBLE UNLESS OTHERWISE STATED.

- LEGEND:**
- LOT BOUNDARY
 - - - ABUTTALS
 - ~ OVERLAND FLOWPATH
 - STORMWATER MAIN
 - STORMWATER CONNECTION
 - - - STORMWATER EXISTING
 - STORMWATER MANHOLE (NEW)
 - STORMWATER MANHOLE (EXISTING)
 - CATCHPIT (CP)
 - DOUBLE CATCHPIT (DCP)

TO BE READ IN CONJUNCTION WITH 30410-01-S19-SW1B

Rev	DESCRIPTION	DRN	CKD	APP	DATE
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STAGE 19
STORMWATER
AS-BUILT PLAN

PREPARED FOR




ORIGINAL SCALES @ A3 STATUS
 1:500 AS-BUILT
 DO NOT SCALE DIMENSIONS
 DRAWING NO. 30410-01-S19-SW1A REVISION AB

30410-01-S19-SW1A AB

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STORMWATER MANHOLES COORDINATES										
MANHOLE ID	DIA	EASTING	NORTHING	LID LEVEL	INVERT OUT	INVERT IN				
EX.SWMH CA5	1200	447492.51	702392.56	39.00	35.97	37.01	36.36	37.01	37.27	36.10
SWMH CA5-3	1050	447468.20	702454.59	39.42	37.33	37.60	37.98	37.33	37.96	
SWMH CA4	1050	447502.54	702366.45	39.18	36.30	36.26				
SWMH CA3	1050	447564.90	702390.44	39.69	36.81					
EX.SWMH CB5	1500	447492.01	702391.19	39.03	36.12	36.18				
SWMH CB4	1500	447501.38	702364.44	39.21	36.29	36.23	37.41			
SWMH CB3	1200	447558.78	702386.81	39.61	36.36					

STORMWATER PIPELINES								
UPSTREAM MH	DOWNSTREAM MH	PIPE DIA	MATERIAL	CLASS	PIPE LENGTH	PIPE GRADE	UPSTREAM IL	DOWNSTREAM IL
SWMH CA5-3	EX.SWMH CA5	450	RCRRJ	4	66.6	1:69	37.33	36.36
SWMH CA5-2	SWMH CA5-3	375	RCRRJ	4	48.3	1:62	38.11	37.33
SWMH CA4	EX.SWMH CA5	600	RCRRJ	4	28.0	1:140	36.30	36.10
SWMH CA3	SWMH CA4	525	RCRRJ	4	66.8	1:121	36.81	36.26
SWMH CB4	EX.SWMH CB5	750	RCRRJ	4	28.3	1:257	36.29	36.18
SWMH CB3	SWMH CB4	750	RCRRJ	4	61.6	1:474	36.36	36.23


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- LEGEND:**
- LOT BOUNDARY
 - - - ABUTTALS
 - ~ OVERLAND FLOWPATH
 - STORMWATER MAIN
 - STORMWATER CONNECTION
 - - - STORMWATER EXISTING
 - STORMWATER MANHOLE (NEW)
 - STORMWATER MANHOLE (EXISTING)
 - CATCHPIT (CP)
 - DOUBLE CATCHPIT (DCP)

TO BE READ IN CONJUNCTION WITH 30410-01-S19-SW1A

Rev	DESCRIPTION	DRN	CKD	APP	DATE
0	PRELIMINARY	NW	SRC	BP	03/23

NAME	DATE	NAME	DATE
SURVEYED		DESIGNED	

COORDINATE SYSTEM: NZGD 2000 - MT EDEN CIRCUIT
 ORIGIN OF COORDINATES: IT II DPS 36839
 HEIGHT DATUM: MOTURIKI 1953
 ORIGIN OF HEIGHT: SS507 SO 42451 RL: 44.04m

STAGE 19 STORMWATER AS-BUILT PLAN

PREPARED FOR




ORIGINAL SCALES @ A3	STATUS
1:500	AS-BUILT
DO NOT SCALE DIMENSIONS	
DRAWING NO	REVISION
30410-01-S19-SW1B	AB

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STREETLIGHT COORDINATES		
NAME	EASTING	NORTHING
SL19.1	447361.72	702594.41
SL19.2	447402.45	702619.67
SL19.3	447405.28	702600.13
SL19.4	447419.99	702568.93
SL19.5	447440.71	702525.72


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- NOTES:**
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- LEGEND:**
- LOT BOUNDARY
 - ABUTTALS
 - EDGE OF SEAL
 - KERB AND CHANNEL
 - MOUNTABLE KERB
 - VERTICAL NIB
 - RAISED CONCRETE
 - SUBSOIL DRAINS
 - FOOTPATH
 - STREETLIGHT
 - TREE
 - OVERLAND FLOWPATH
 - PONDING AREA

TO BE READ IN CONJUNCTION WITH 30410-01-S19-R1B

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0	PRELIMINARY	NW	SRC	BP	03/23

SURVEYED	DM	03/23	DESIGNED	NAME	DATE

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STAGE 19
ROADING
AS-BUILT PLAN

PREPARED FOR




ORIGINAL SCALES @ A3	STATUS
1:500	AS-BUILT
DO NOT SCALE DIMENSIONS	
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STREETLIGHT COORDINATES		
NAME	EASTING	NORTHING
SL19.6	447461.54	702482.51
SL19.7	447480.62	702438.94
SL19.8	447509.38	702374.40
SL19.9	447553.94	702391.36


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NOTES:
1. HCC REF: 011.2019.7140.003.

LEGEND:

	LOT BOUNDARY
	ABUTTALS
	EDGE OF SEAL
	KERB AND CHANNEL
	MOUNTABLE KERB
	VERTICAL NIB
	RAISED CONCRETE
	SUBSOIL DRAINS
	FOOTPATH
	STREETLIGHT
	TREE
	OVERLAND FLOWPATH
	PONDING AREA

TO BE READ IN CONJUNCTION WITH 30410-01-S19-R1A

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STAGE 19
ROADING
AS-BUILT PLAN

PREPARED FOR




ORIGINAL SCALES @ A3	STATUS
1:500	AS-BUILT
DO NOT SCALE DIMENSIONS	
DRAWING NO	REVISION
30410-01-S19-R1B	AB

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Greenhill Park Area KL&U Stage 19

PROJECT NUMBER: **BM191029** AS BUILT

PROJECT ADDRESS: Carrs Road
Chartwell
Hamilton 3210

CLIENT: **Chedworth Properties Limited**

CLIENT ADDRESS: H.G Webb House
1110 Victoria Street
(Corner of Victoria Street and Boundary Road)
Hamilton 3200

CONSULTANTS: **S&L Consultants
IBEX Lighting**

 **Boffa Miskell**

Boffa Miskell Limited
Level 3, SouthBloc
140 Anglesea Street
Hamilton 3240
New Zealand
Tel: +64 7 960 0006
www.boffamiskell.co.nz

REV	DATE	DESCRIPTION
-	04.03.22	ISSUED FOR CONSTRUCTION
1	29.03.23	AS BUILT

SHEET INDEX

100 Preliminary & General

- 100 Cover Sheet
- 130 Key Sheet

500 Plans

- 500 Planting Schedule
- 501 Planting Plan General Arrangement
- 502 Planting Plan Sheet Locations
- 503 Planting Plan Sheet 01
- 504 Planting Plan Sheet 02
- 505 Planting Plan Sheet 03
- 506 Planting Plan Sheet 04
- 507 Planting Plan Sheet 05
- 508 Planting Plan Sheet 06
- 509 Planting Plan Sheet 07
- 510 Planting Plan Sheet 08
- 511 Planting Plan Sheet 09
- 512 Planting Plan Sheet 10

600 Details

- 600 Details Sheet 01



GENERAL NOTES

All drawings shall be read in conjunction with the Landscape Specifications and other Consultant's Drawings and Specifications.

The Contractor is responsible for confirming the location of all underground services on site prior to commencing work.

Drawings shall not be scaled. Use dimensioned measurements only.

The Contractor shall verify all dimensions on site prior to commencing work.

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KEY NOTES

PAVING

THE FOLLOWING NOTES RELATE TO THE AESTHETIC QUALITIES AND FINISH OF THE MATERIAL ONLY. REFER CIVIL ENGINEERING DRAWINGS AND SPECIFICATIONS FOR ALL OTHER INFORMATION.

P01 PAVING TYPE 1
Dark-grey insitu concrete paving with a soft-bristled broom finish.
SPECIFICATION SECTION: 3124

JOINTS

REFER CIVIL ENGINEERING DRAWINGS AND SPECIFICATIONS FOR ALL CONSTRUCTION JOINTS, EXPANSION JOINTS, CONTROL JOINTS AND DECORATIVE SAW CUTS.

EDGING

THE FOLLOWING NOTES RELATE TO THE AESTHETIC QUALITIES AND FINISH OF THE MATERIAL ONLY. REFER CIVIL ENGINEERING DRAWINGS AND SPECIFICATIONS FOR ALL OTHER INFORMATION.

E03 INSITU CONCRETE MOWING STRIP
450mm wide dark-grey insitu concrete mowing strip with a soft-bristled broom finish.
SPECIFICATION SECTION: 8410

KERBS

REFER CIVIL ENGINEERING DRAWINGS AND SPECIFICATIONS FOR ALL KERBS.

DRAINAGE

REFER CIVIL ENGINEERING DRAWINGS AND SPECIFICATIONS FOR ALL DRAINAGE.

VEGETATION

V01 PLANTING
Herbs, sedges and shrubs with mulch.
REFER DETAIL: 3/600
SPECIFICATION SECTION: 8310, 8321, 8332

V02 GRASS
Seeded grass area.
REFER DETAIL: 4/600
SPECIFICATION SECTION: 8333

TREES

T01 STREET TREE PIT
REFER DETAIL: 1/600
SPECIFICATION SECTION: 8310, 8321, 8332

T02 RESERVE TREE PIT
A CAD Drawing (DWG/DXF Format) will be provided to the Contractor for set out purposes.
REFER DETAIL: 2/600
SPECIFICATION SECTION: 8310, 8321, 8332

NOTES

CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK;

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FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

KEY

REV	DATE	DESCRIPTION
-	04.03.22	ISSUED FOR CONSTRUCTION
1	29.03.23	AS BUILT

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AS BUILT

**GREENHILL PARK
AREA KL&U
STAGE 19**

KEY SHEET

Design Drawn Check Appv'd	ARo ARo	Scale Not to Scale	Date 04.03.22
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DRAWING NO.	REVISION
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BM191029_130

1

Planting Schedule						
Collector Street						
Botanical Name	Common Name	Evergreen	Deciduous	Size	Centres (m)	Quantity
Specimen Trees						
<i>Knightsia excelsa</i>	<i>rewarewa</i>	•		100-180L	As shown	2
Berm Planting						
<i>Carex testacea</i>	<i>orange sedge</i>	•		1L	0.5	398
Planting Area						196m ²
Mulch						19.6m ³
Local Street						
Botanical Name	Common Name	Evergreen	Deciduous	Size	Centres (m)	Quantity
Specimen Trees						
<i>Acer rubrum</i>	<i>American red maple</i>		•	100-180L	As shown	18
<i>Prunus lusitanica</i>	<i>Portuguese laurel</i>	•		100-180L	As shown	14
Berm Planting						
<i>Carex testacea</i>	<i>orange sedge</i>	•		1L	0.5	312
<i>Libertia ixioides</i>	<i>turutu, New Zealand iris</i>	•		1L	0.75	181
<i>Pseudowintera 'Cherry Ripe'</i>	<i>flax cultivar</i>	•		1L	0.4	176
<i>Veronica 'Wiri Mist'</i>	<i>hebe cultivar</i>	•		1L	0.75	102
<i>Veronica 'Wiri Vogue'</i>	<i>hebe cultivar</i>	•		1L	1.25	23
Planting Area						519m ²
Mulch						51.9m ³
Lane						
Botanical Name	Common Name	Evergreen	Deciduous	Size	Centres (m)	Quantity
Specimen Trees						
<i>Knightsia excelsa</i>	<i>rewarewa</i>	•		100-180L	As shown	2
<i>Magnolia soulangeana x liliflora 'Genie'</i>	<i>magnolia cultivar</i>		•	100-180L	As shown	2
Berm Planting						
<i>Carex testacea</i>	<i>orange sedge</i>	•		1L	0.5	48
Planting Area						24m ²
Mulch						2.4m ³



NOTES

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1	29.03.23	AS BUILT

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**GREENHILL PARK
AREA KL&U
STAGE 19
PLANTING SCHEDULE**

Design ARo | Scale Not to Scale | Date 04.03.22
Drawn ARo
Check Appv'd

DRAWING NO. REVISION

BM191029_500 **1**

Key

COLLECTOR STREET

-  *Knightsia excelsa* (rewarewa)
-  Berm Planting
-  Lawn

LOCAL STREET

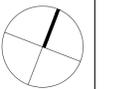
-  *Acer rubrum* (American red maple)
-  *Prunus lusitanica* (Portuguese laurel)
-  Berm Planting
-  Lawn

NEIGHBOURHOOD STREET

-  *Pyrus calleryana* 'Aristocrat' (ornamental pear)
-  Berm Planting
-  Lawn

LANE

-  *Knightsia excelsa* (rewarewa)
-  *Magnolia soulangeana x liliflora* 'Genie' (magnolia)
-  Berm Planting
-  Lawn



NOTES

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 STAGE 19

REV	DATE	DESCRIPTION
1	04.03.22	ISSUED FOR CONSTRUCTION
1	29.03.23	AS BUILT

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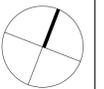
GREENHILL PARK
 AREA KL&U
 STAGE 19

PLANTING PLAN
 GENERAL ARRANGEMENT

Design	ARo	Scale	Date
Drawn	ARo	1:1,000 @ A1	04.03.22
Check		1:2,000 @ A3	
App'v'd			

DRAWING NO. REVISION

BM191029_501 **1**



NOTES

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KEY

- REFER TO DRAWING NUMBER BM191029_130 KEY SHEET
- STAGE 19
- PLANTING
- LAWN

REV	DATE	DESCRIPTION
1	04.03.22	ISSUED FOR CONSTRUCTION
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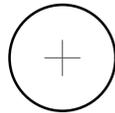
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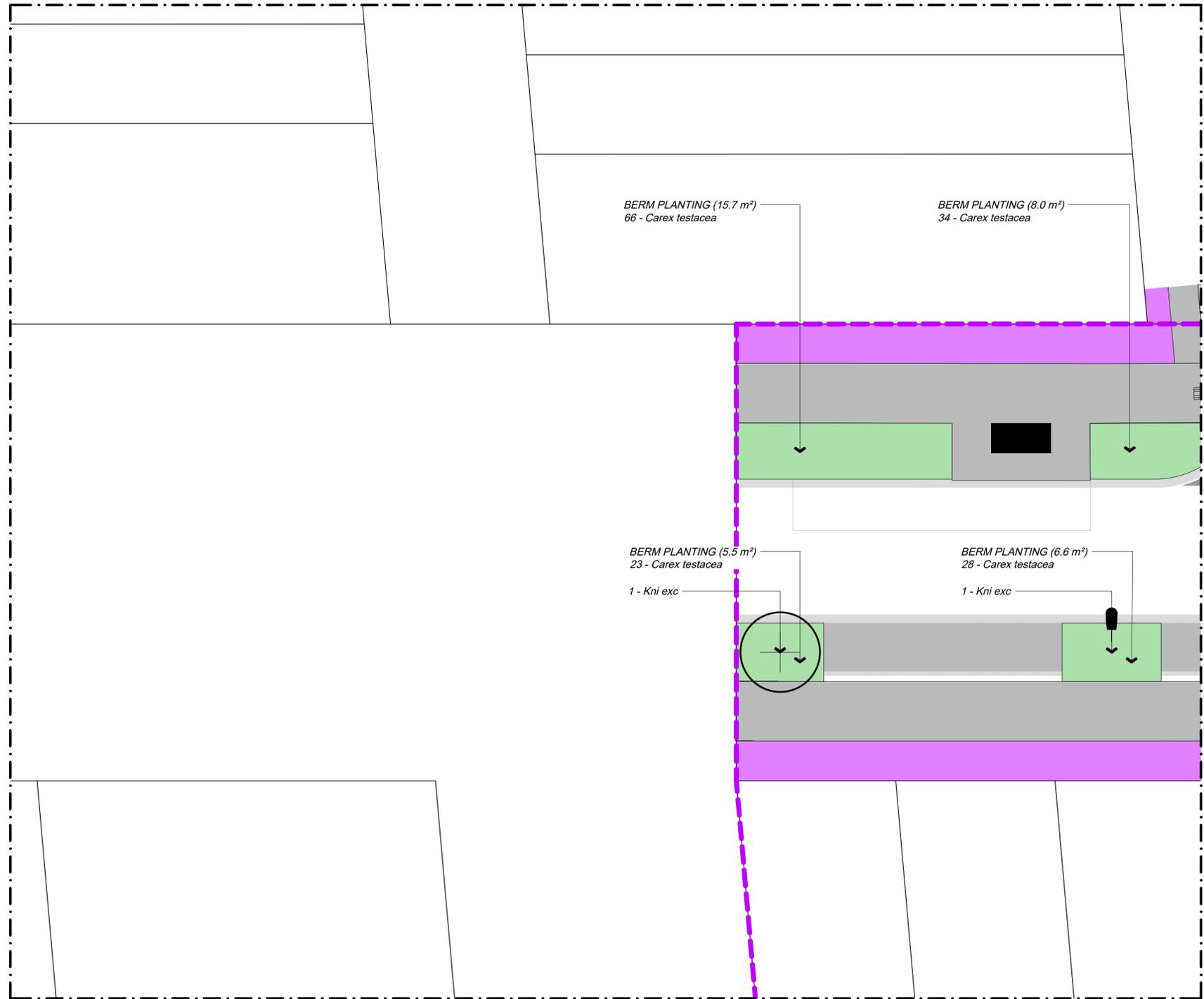
**GREENHILL PARK
 AREA KL&U
 STAGE 19
 PLANTING PLAN SHEET LOCATIONS**

Design	ARo	Scale	Date
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Check		1:2,000 @ A3	
Appv'd			

DRAWING NO.	REVISION
BM191029_502	1

Key

-  Tree
-  Berm Planting
-  Lawn



REFER TO DRAWING BM191029_504

REFER TO DRAWING BM191029_505

Set Out

All plant pits shall be setback 600mm minimum from the edge of all kerbs, nibs and footpaths.



NOTES

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**GREENHILL PARK
AREA KL&U
STAGE 19**

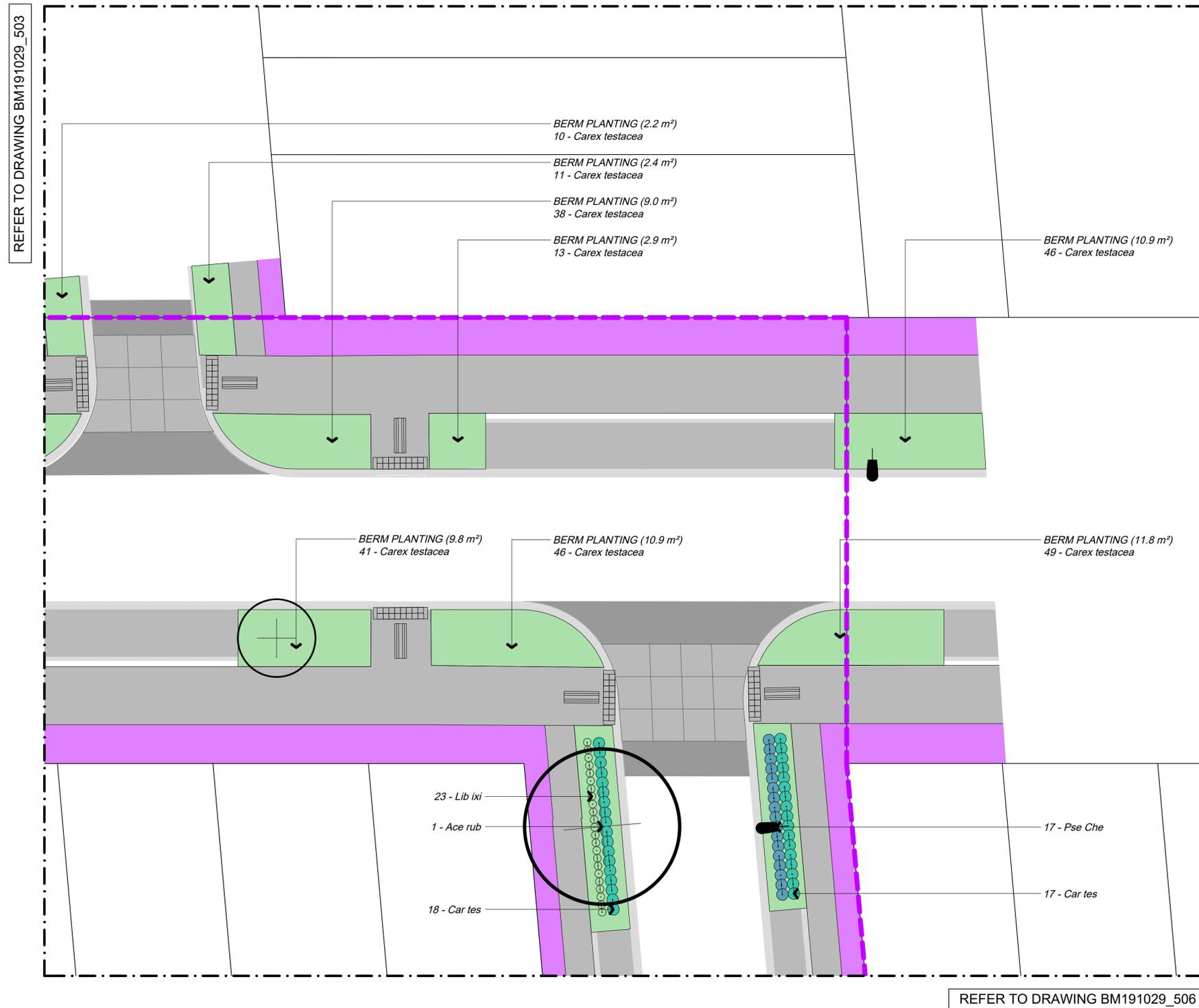
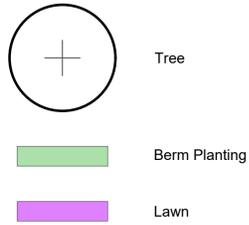
PLANTING PLAN
SHEET 01 OF 10

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Check		1:250 @ A3	
Appv'd			

DRAWING NO. REVISION

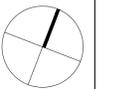
BM191029_503 **1**

Key



Set Out

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STAGE 19

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GREENHILL PARK
AREA KL&U
STAGE 19

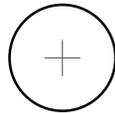
PLANTING PLAN
SHEET 02 OF 10

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Appv'd			

DRAWING NO. REVISION

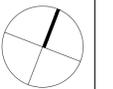
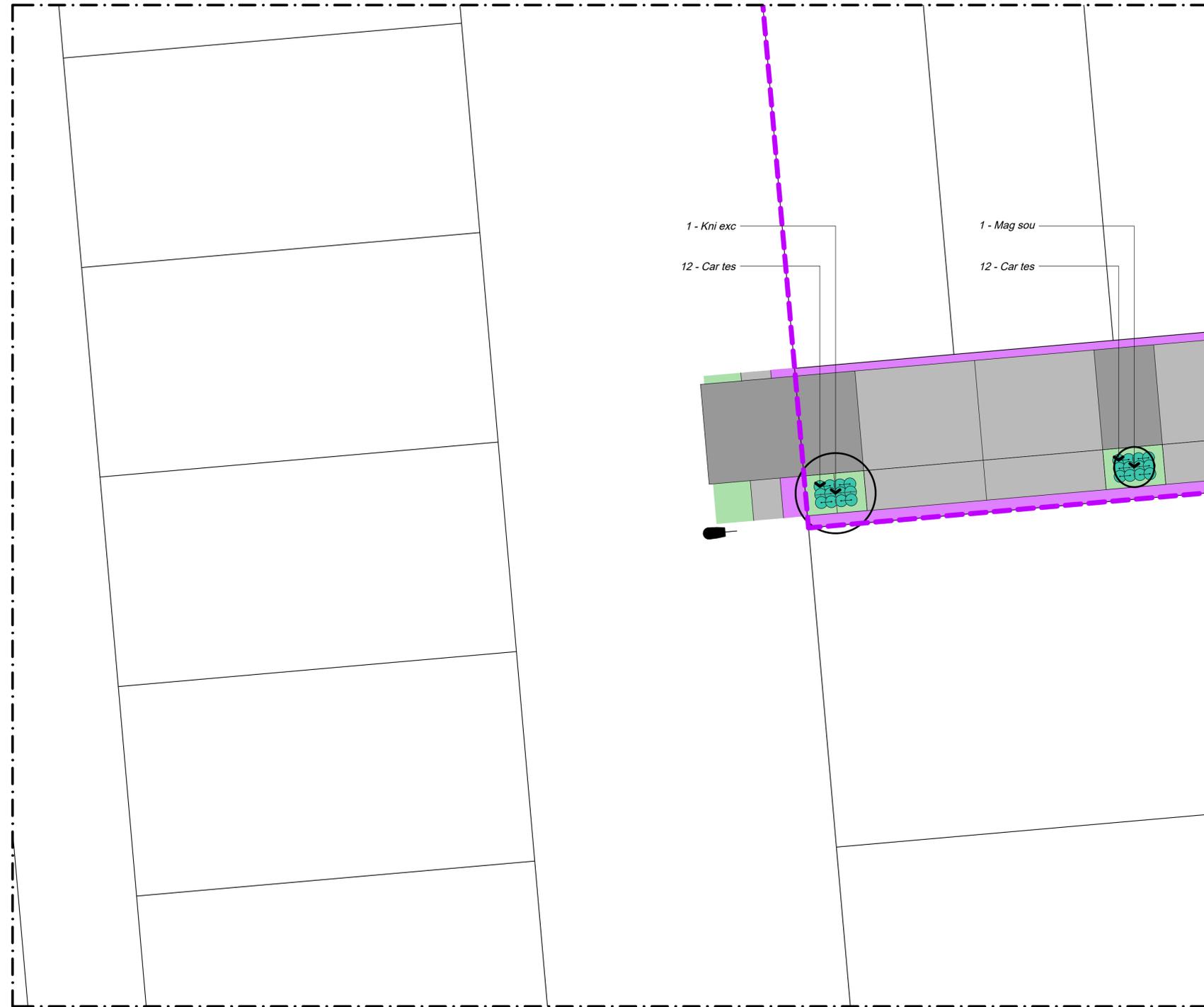
BM191029_504 1

Key

-  Tree
-  Berm Planting
-  Lawn

Set Out

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**GREENHILL PARK
AREA KL&U
STAGE 19**

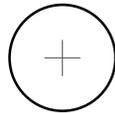
PLANTING PLAN
SHEET 03 OF 10

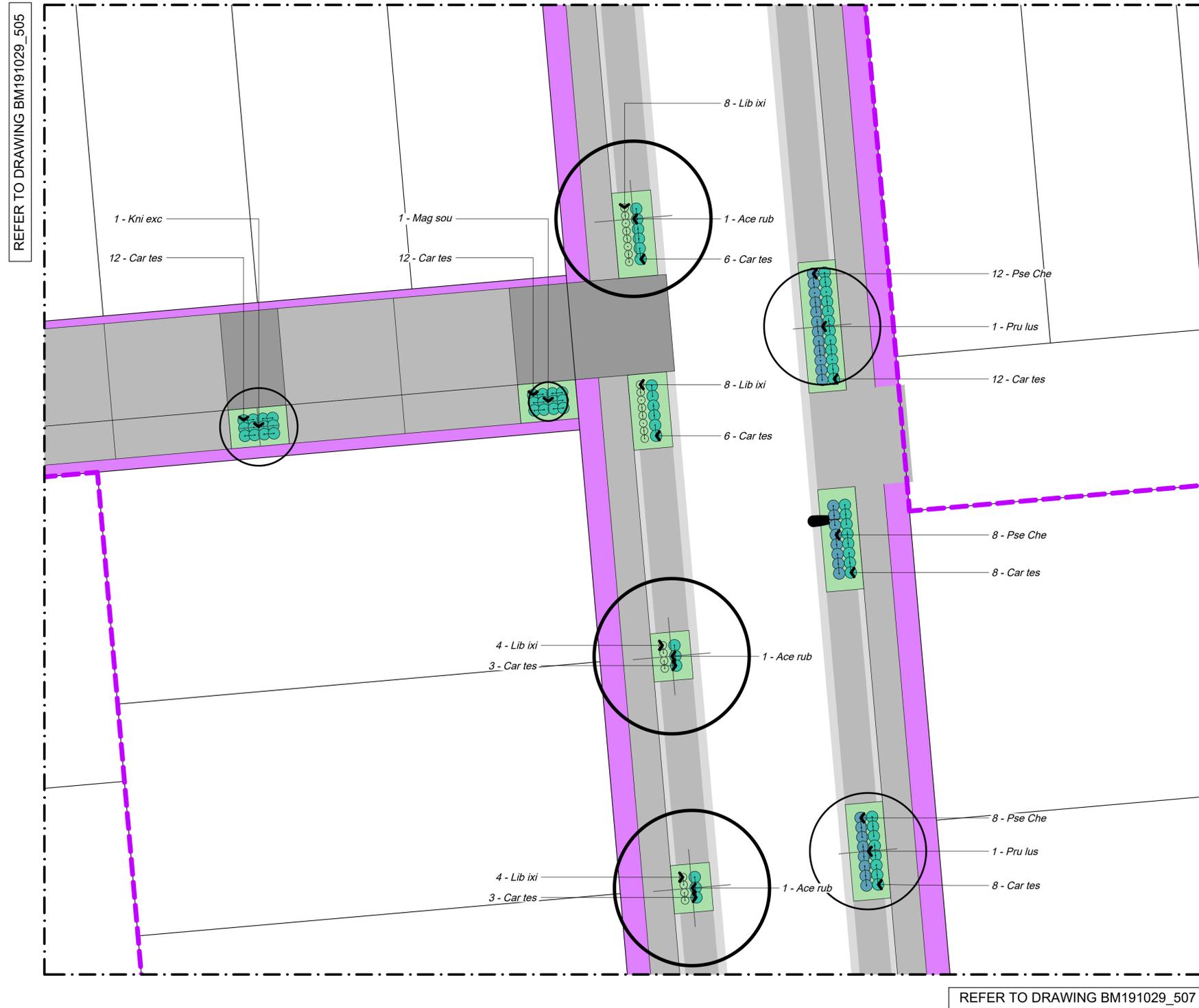
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Appv'd			

DRAWING NO. REVISION

BM191029_505 1

Key

-  Tree
-  Berm Planting
-  Lawn



Set Out

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**GREENHILL PARK
AREA KL&U
STAGE 19**

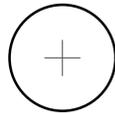
PLANTING PLAN
SHEET 04 OF 10

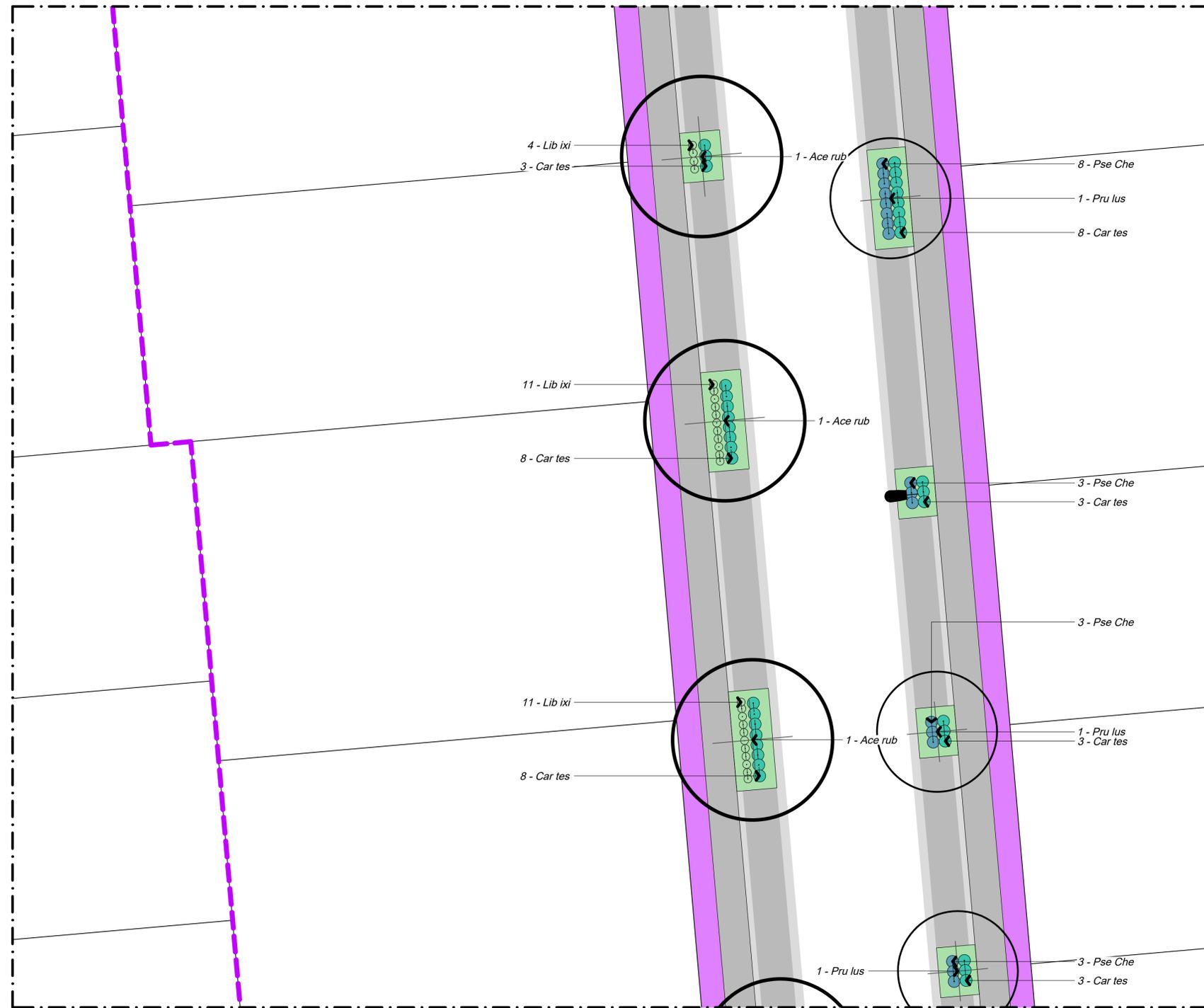
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Check		1:250 @ A3	
Appv'd			

DRAWING NO. REVISION

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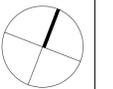
Key

-  Tree
-  Berm Planting
-  Lawn



Set Out

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**GREENHILL PARK
AREA KL&U
STAGE 19**

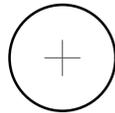
PLANTING PLAN
SHEET 05 OF 10

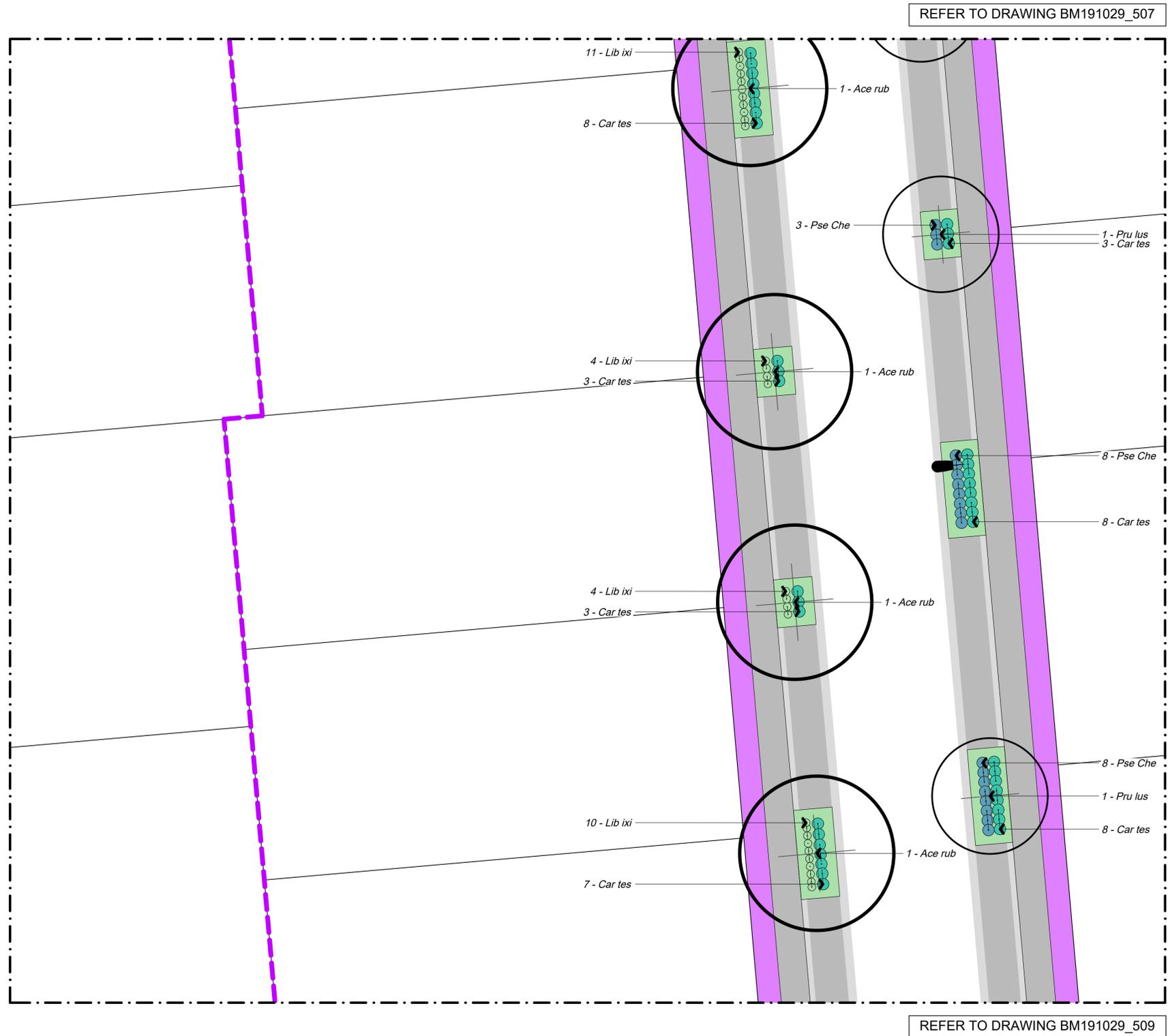
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Check		1:250 @ A3	
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DRAWING NO. REVISION

BM191029_507 1

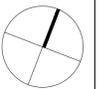
Key

-  Tree
-  Berm Planting
-  Lawn



Set Out

All plant pits shall be setback 600mm minimum from the edge of all kerbs, nibs and footpaths.



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**GREENHILL PARK
AREA KL&U
STAGE 19**

PLANTING PLAN
SHEET 06 OF 10

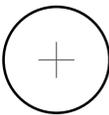
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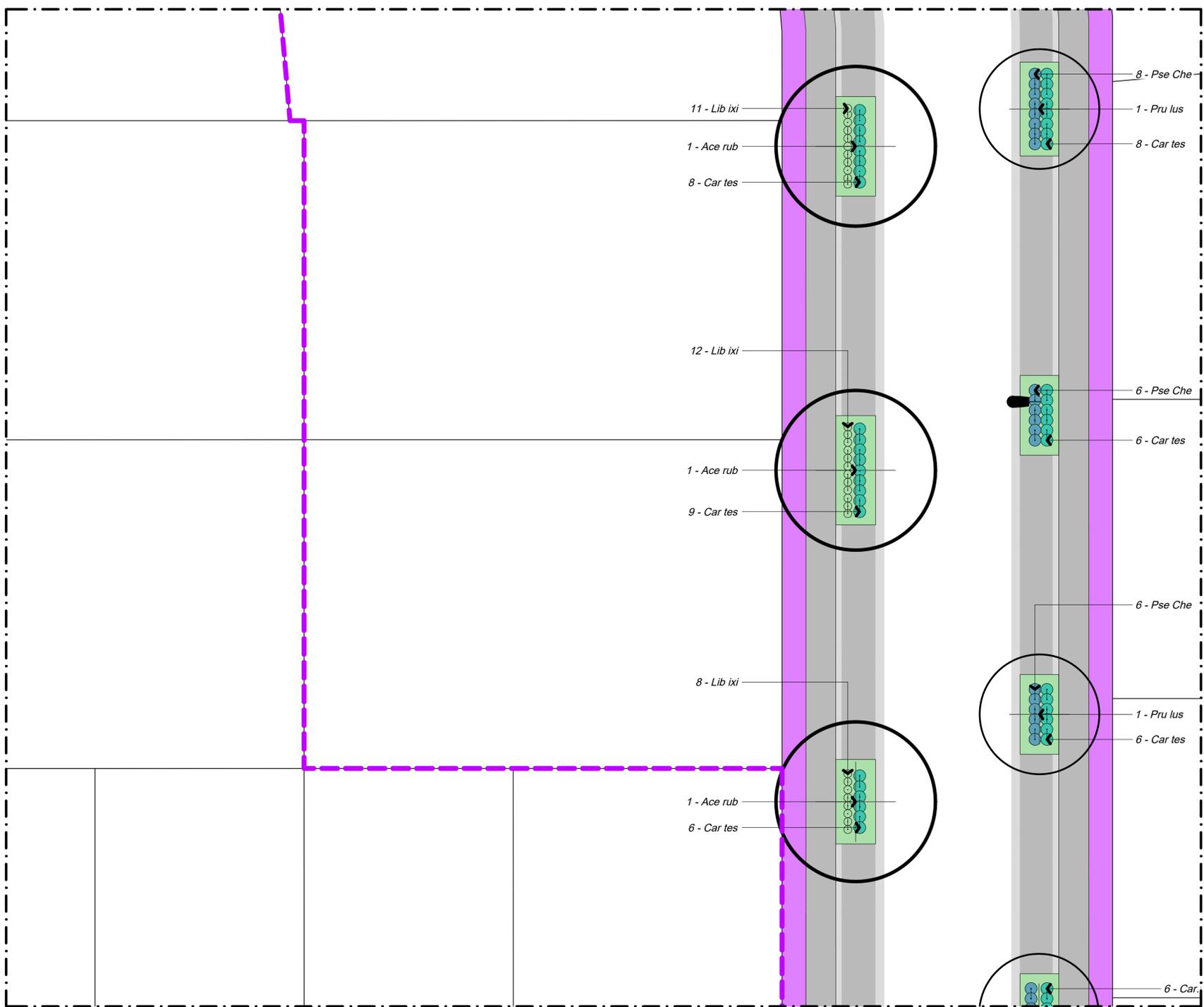
DRAWING NO. REVISION

BM191029_508 **1**

REFER TO DRAWING BM191029_508

Key

-  Tree
-  Berm Planting
-  Lawn



Set Out

All plant pits shall be setback 600mm minimum from the edge of all kerbs, nibs and footpaths.



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NOTES

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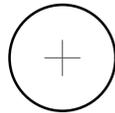
GREENHILL PARK
 AREA KL&U
 STAGE 19

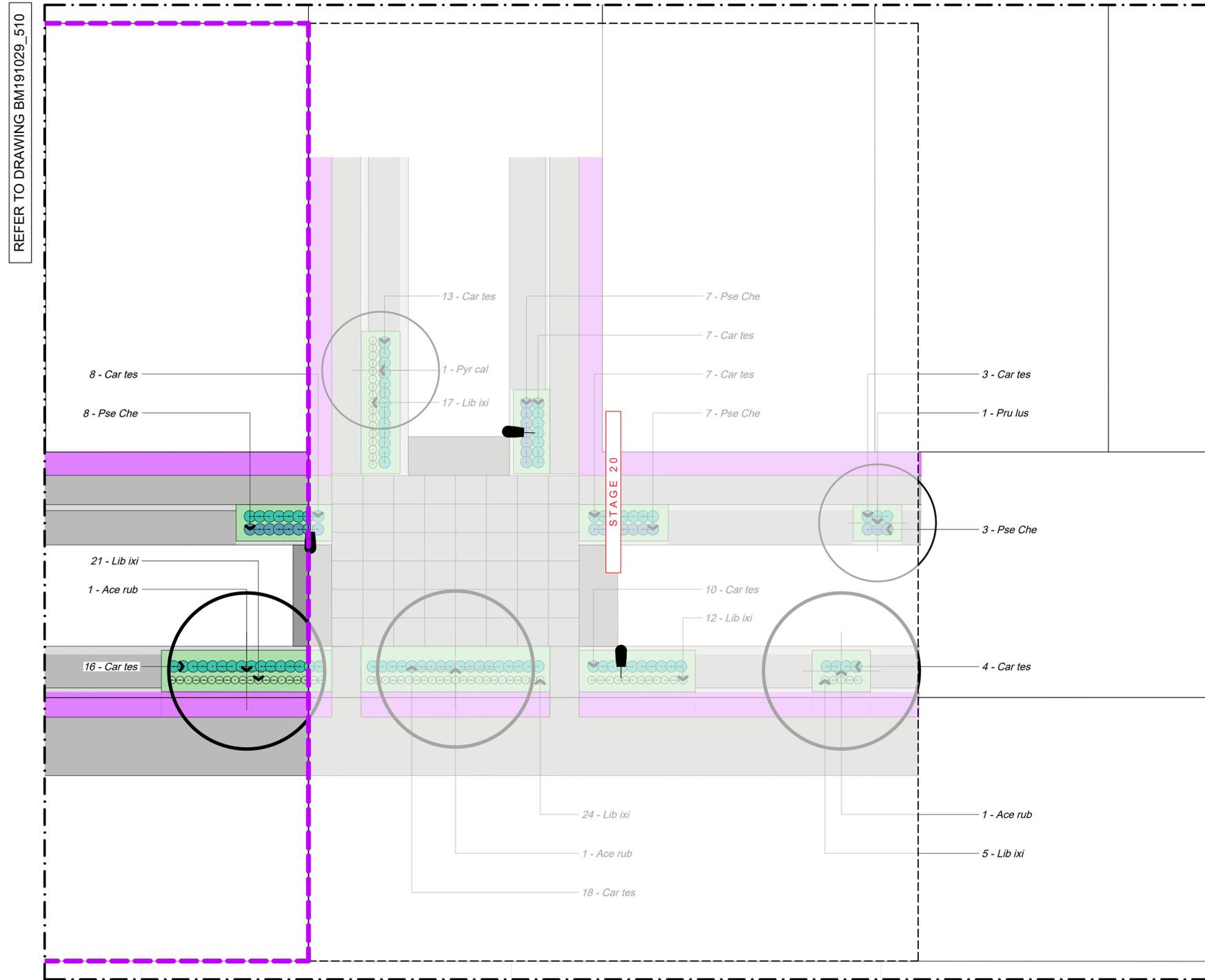
PLANTING PLAN
 SHEET 07 OF 10

Design	ARo	Scale	Date
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DRAWING NO.	REVISION
BM191029_509	1

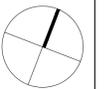
Key

-  Tree
-  Berm Planting
-  Lawn



Set Out

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**GREENHILL PARK
AREA KL&U
STAGE 19**

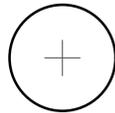
PLANTING PLAN
SHEET 09 OF 10

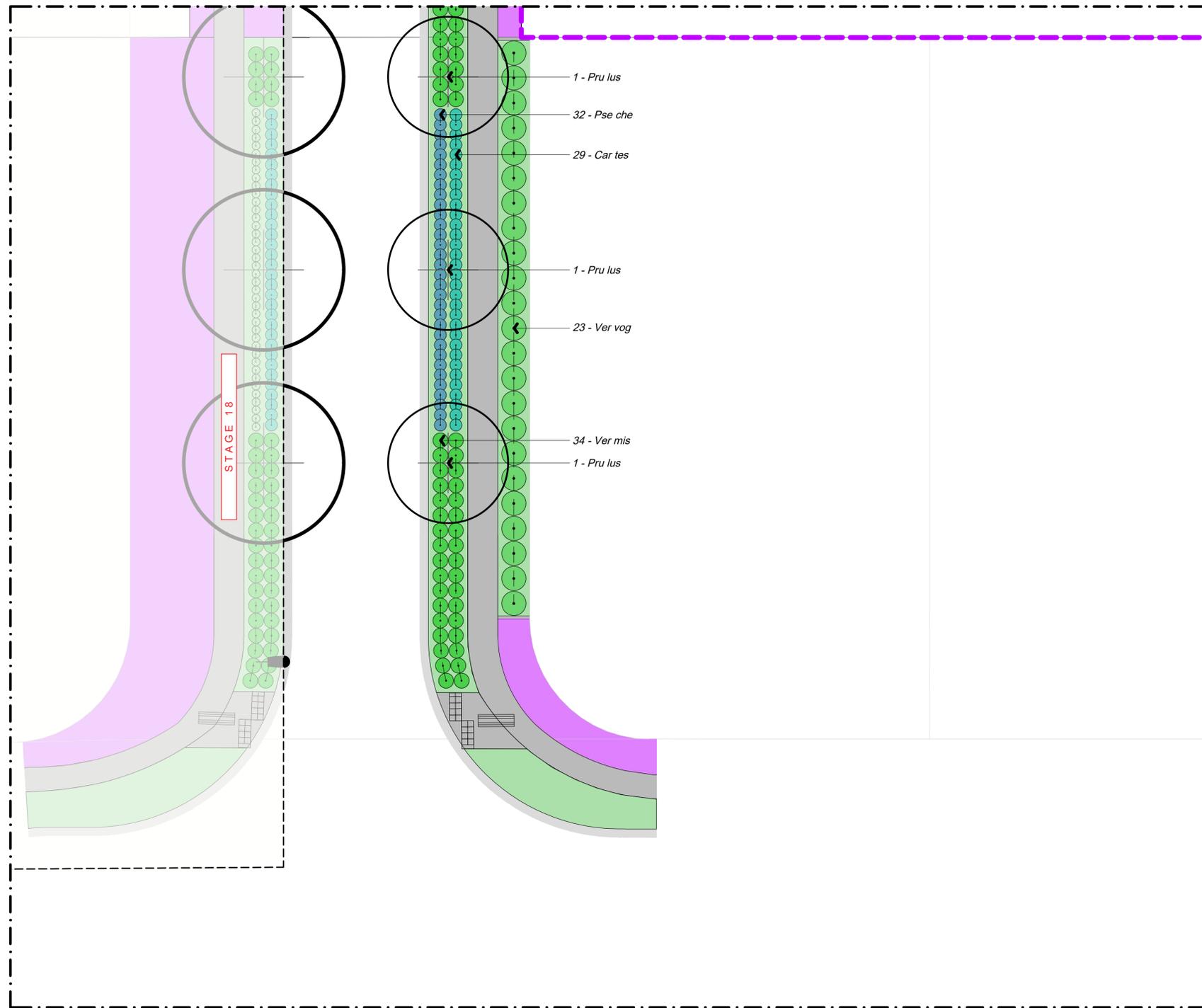
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Check		1:250 @ A3	
Appv'd			

DRAWING NO. REVISION

BM191029_511 1

Key

-  Tree
-  Berm Planting
-  Lawn



Set Out

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GREENHILL PARK
AREA KL&U
STAGE 19

PLANTING PLAN
SHEET 10 OF 10

Design	ARo	Scale	Date
Drawn	ARo	1:125 @ A1	29.03.23
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DRAWING NO. REVISION

BM191029_512 

Notes

Berm Planting Tree Pits

Tree pits in berm planting areas should be excavated manually or with a backhoe. Excavate tree pits to the dimensions as shown on the DRAWINGS. The pit bases, subgrade and sides should be broken up by hand to a depth of 150mm to facilitate root penetration, air movement and drainage.

Do not disturb services. Do not destabilise adjacent pavements, kerbs, edge restraints, footings or structures. The Engineering Design requires the 200 wide base build up adjacent to paths and kerbs to be undisturbed. Minimum width required for tree pits is 1400mm in berm planting areas.

Heeling In

Trees should be set in their final positions with main stem vertical and at such a depth that the soil, when firmed down is at the same height as the nursery earth marks on the stem or the container soil level. The soil should be carefully placed to fill all voids and firmed in (well 'healed' in).

Topsoil

Spread topsoil to the compacted depth as stated in TN2 F/1 for the following areas;

- Specimen tree pits 1000mm
- Berm and amenity planting areas 300-450mm
- Swale and wetland planting areas 300-450mm
- Lawn areas 150mm

Final Grading

When topsoil is reasonably dry and workable, grade it to smooth, flowing contours, with falls, for adequate drainage, removing all minor hollows and ridges.

Crown all planter beds to provide a gently rounded profile.

Topsoil in berm and amenity planting areas should be finished 125mm below adjacent paths, kerbs, or structures to allow for the full depth of mulch and for the mulch to be finished 25mm below adjacent paths, kerbs, or structures.

Staking

Position each stake in the same direction on either side of the tree, parallel with the road kerb, outside the plants root ball, and drive vertically into the bottom of the pit until the top of the stake is 1200mm above ground level. Stakes should be driven 600mm into the ground clear of the plant root ball. Stakes should be clear of the plant root ball. Consolidate material around the stake during back filling. The trees should be held firmly, although not rigidly, by the staking to prevent a pocket forming around the stem and newly formed fibrous roots being broken by mechanical pulling as the tree rocks in the wind.

Ensure all bamboo stakes are removed at the time of planting.

Tying

Ties should be positioned on the stake 600-830mm above topsoil level. Ties should be tensioned to avoid chafing of the tree against the stakes but with enough play for the tree to move in the wind. All ties should be fixed to the stakes.

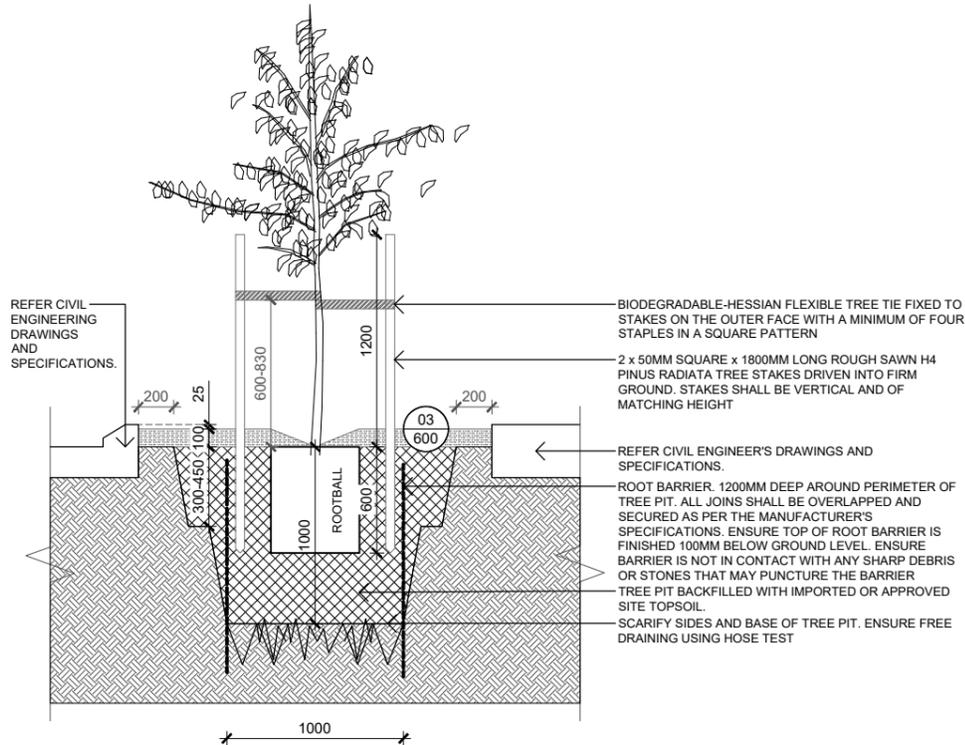
Mulch

Upon completion of planting all berm and amenity planting areas should be spread with mulch to a depth of 100mm after settling. The depth of mulch should be even.

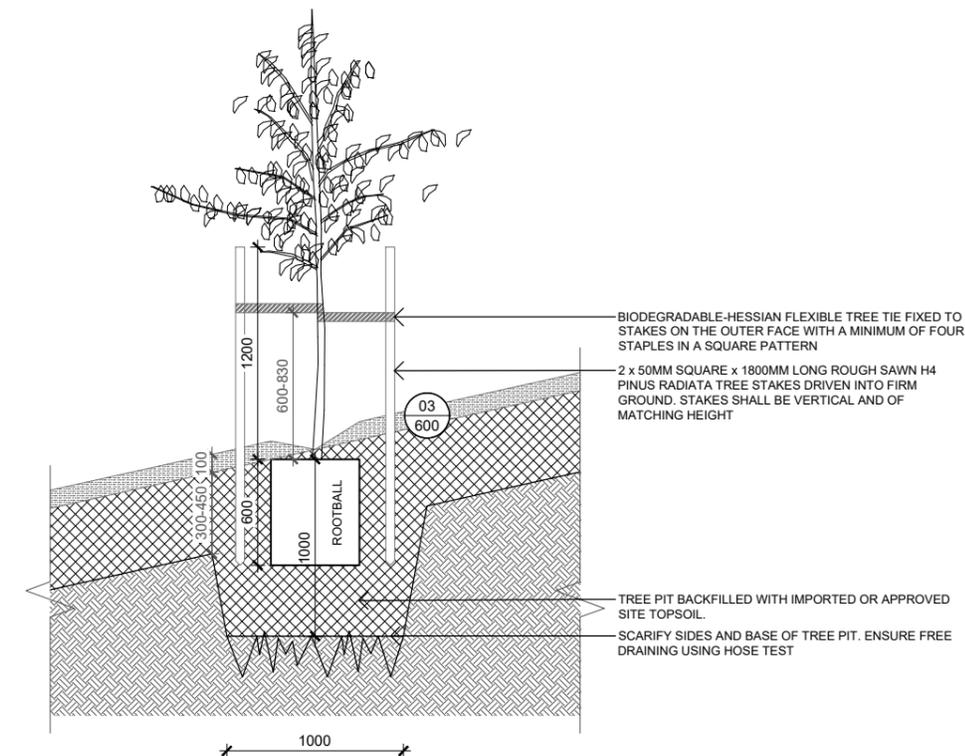
The outer perimeter of garden beds adjacent to paths, kerbs or ground level structures should be shaped to allow the full depth of mulch to be 25mm below adjacent paths, kerbs, or structures. The level of the ground and mulch may then slope up or down to meet the levels of the remainder of the planting area. Mulch should be kept clear from the base of tree trunks or underneath shrubs which have a tendency to develop leaf rot, in particular Hebe species, and not piled against stems of plants.

Ensure no soil is placed on top or mixed with the mulch to reduce potential weed establishment.

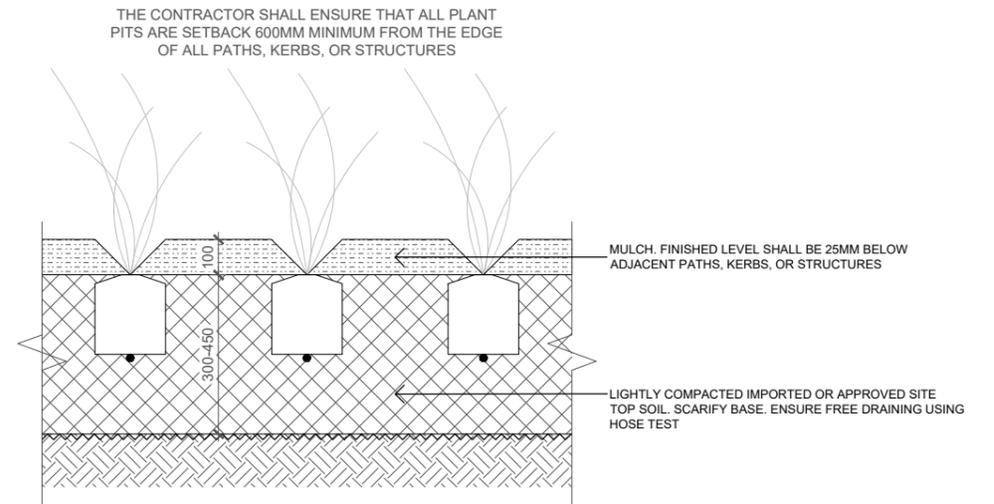
Inadequate mulch depth may allow excessive weed growth, therefore mulch should be kept topped up to the original specified depth (100mm).



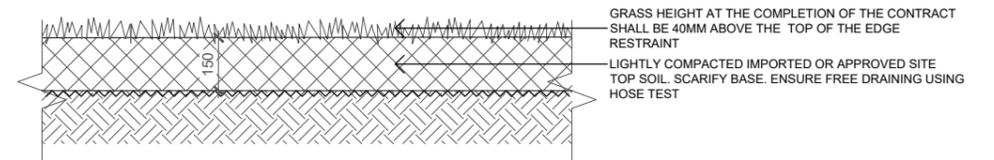
01 DETAIL T01 STREET TREE PIT
Scale: 1:20 @ A1 1:40 @ A3



02 DETAIL T02 RESERVE TREE PIT
Scale: 1:20 @ A1 1:40 @ A3



03 DETAIL V01 PLANTING
Scale: 1:10 @ A1 1:20 @ A3



04 DETAIL V02 GRASS
Scale: 1:10 @ A1 1:20 @ A3

NOTES

CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK;

CONTRACTORS ARE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UNDERGROUND SERVICES ON SITE PRIOR TO COMMENCING WORK;

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

KEY

REFER TO DRAWING NUMBER BM191029_130 KEY SHEET

REV	DATE	DESCRIPTION
-	21.02.23	ISSUED FOR CONSTRUCTION
1	29.03.23	AS BUILT

CLIENT **Chedworth Properties**

CONSULTANTS
S&L Consultants
IBEX Lighting

AS BUILT

GREENHILL PARK AREAS KL&U

DETAILS
SHEET 01 OF 01

Design	ARo	Scale	Date
Drawn	ARo	As Shown	21.02.23
Check			
App'd			

DRAWING NO. REVISION

BM191029_600 **1**