14.0 Survey Information

14.1 Hydraulics Report

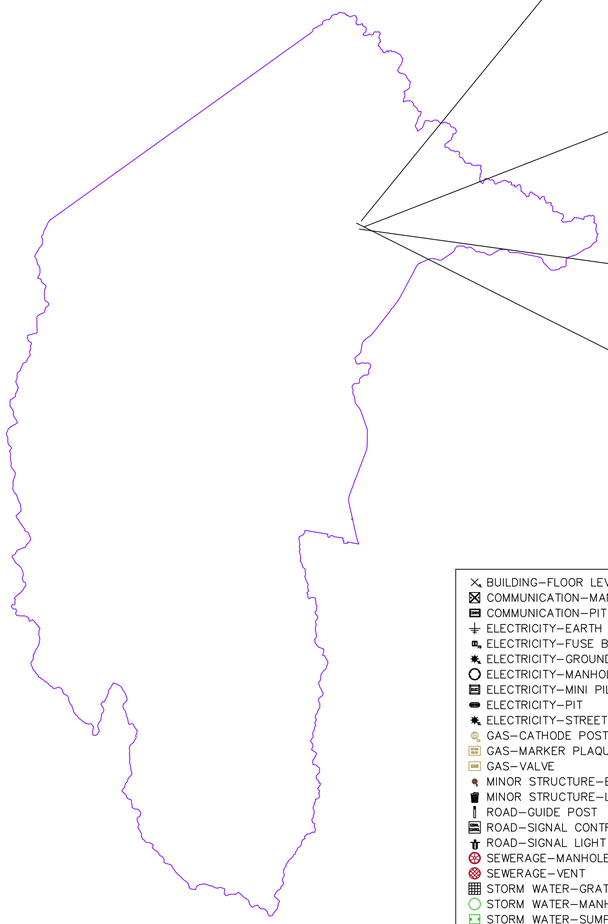
14.2 Feature Survey

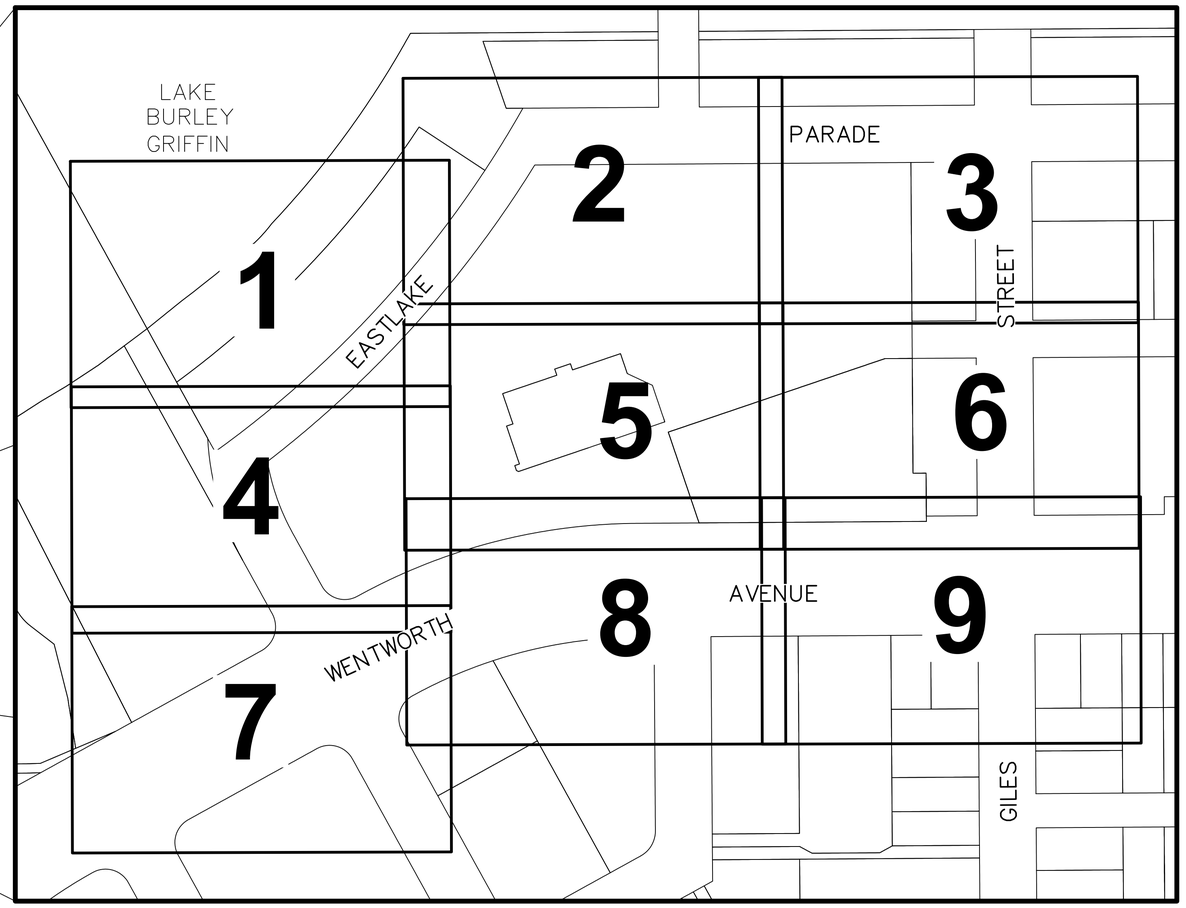
14.3 Stormwater & Sewer Network

14.4 Utilities

KINGSTON ARTS PRECINCT

FEATURE SURVEY





LOCALITY

NOT TO SCALE

LEGEND

BUILDING–FLOOR LEVEL	BUILDING–EAVE LINE
COMMUNICATION–MANHOLE – PMG	MINOR STRUCTURE–FENCE
COMMUNICATION–PIT	MINOR STRUCTURE–LOG BARRIER
ELECTRICITY–EARTH ROD	MINOR STRUCTURE–SCULPTURE
ELECTRICITY–FUSE BOX	ROAD–KERB BACK
ELECTRICITY–GROUND LIGHT	ROAD–KERB INVERT
ELECTRICITY–MANHOLE	ROAD–KERB LIP
ELECTRICITY–MINI PILLAR	ROAD–KERB TOP
ELECTRICITY–PIT	STORM WATER–CULVERT PIPE
ELECTRICITY–STREET LIGHT	STORM WATER–SPOON DRAIN
GAS–CATHODE POST	STORM WATER–SUMP
GAS–MARKER PLAQUE	STORM WATER–WATER COURSE
GAS–VALVE	TOPOGRAPHIC–BOTTOM OF BANK
MINOR STRUCTURE–BOLLARD	TOPOGRAPHIC–TOP OF BANK
MINOR STRUCTURE–LITTER BIN	TRAFFIC–LINE BARRIER (B1)
ROAD–GUIDE POST	TRAFFIC–LINE BARRIER (B2)
ROAD–SIGNAL CONTROL BOX	TRAFFIC–LINE BARRIER (B3)
ROAD–SIGNAL LIGHT	TRAFFIC–LINE BARRIER (B5)
SEWERAGE–MANHOLE	TRAFFIC–LINE CHEVRON WHITE
SEWERAGE–VENT	TRAFFIC–LINE CHEVRON YELLOW
STORM WATER–GRATED PIT	TRAFFIC–LINE CONTINUITY (C1)
STORM WATER–MANHOLE	TRAFFIC–LINE CONTINUITY (C2)
STORM WATER–SUMP	TRAFFIC–LINE CONTINUITY (C3)
TRAFFIC–SYMBOL BICYCLE	TRAFFIC–LINE DASHED
VEGETATION–TREE	TRAFFIC–LINE EDGE (E1)
WATER SERVICE–HYDRANT	TRAFFIC–LINE EDGE (E3)
WATER SERVICE–IRRIGATION BOX	TRAFFIC–LINE HOLD (HL1)
WATER SERVICE–METER	TRAFFIC–LINE SOLID
WATER SERVICE–SPRINKLER	VEGETATION–DRIPLINE
WATER SERVICE–STOP COCK	VEGETATION–HEDGE
WATER SERVICE–STOP VALVE	

NOTES:

- INFORMATION ON THIS PLAN IS LIMITED TO THAT REQUESTED BY THE CLIENT, IS INTENDED FOR THE USE OF THE CLIENT AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.
- BOUNDARY INFORMATION SHOWN IS DETERMINED USING DP11266, DP10771, DP10960. NO BOUNDARY MARKING HAS BEEN UNDERTAKEN.
- TREES ARE NOT GEOMETRIC FIGURES, AS SUCH, THEIR POSITIONS, SHAPES, SIZES AND HEIGHTS AS DEPICTED BY SYMBOLS ON THIS DRAWING ARE INDICATIVE ONLY. ATTRIBUTE INFORMATION, IF SHOWN TABLED, IS INTENDED FOR THE ASSESSMENT OF THE ACT TREE PROTECTION ACT 2005.
- UNDERGROUND SERVICES HAVE BEEN PART LOCATED LOCATED BY STEGER & ASSOCIATES. RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR THE LOCATION OF UNDERGROUND SERVICES PRIOR TO DESIGN & CONSTRUCTION.
- ANY UNDERGROUND SERVICE CONNECTION, IF SHOWN, SHOULD BE CONSIDERED DIAGRAMMATIC ONLY EXCEPT FOR VISIBLE FEATURES LOCATED BY SURVEY INCLUDING MARKERS, PLAQUES, PITS, MANHOLES, etc.
- STEGER & ASSOCIATES CANNOT GUARANTEE THAT ALL SERVICES PRESENT HAVE BEEN LOCATED.
- DIMENSIONAL INFORMATION SHOULD NOT BE EXTRACTED FROM DIGITAL ELEMENTS.
- IMAGERY IF SHOWN FROM ACTMapi ©ACT GOVERNMENT.

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AS 5488 SUI - UG SERVICES CLASSIFICATION

(QL-A) VALIDATED	- DIRECTLY MEASURED TO SERVICE	
(QL-B) TRACED	- ELECTRONICALLY DETECTED SERVICE	
(QL-C) ALIGNED	- SURFACE JOINED SERVICE MARKERS	
(QL-D) COMPILED	- ESTIMATED SERVICE FROM DIAGRAMS	

CERTAINTY / RISK — CLASS: (QL-A), (QL-B), (QL-C), (QL-D)

WARNING

- CLASSIFICATION CHART IS PROVIDED TO INDICATE CERTAINTY OF IDENTIFIED SERVICE SHOWN OR LOCATED.
- REFER TO "AS5488" FOR CLASSIFICATION DEFINITIONS OF SUBSURFACE UTILITY INFORMATION
- SERVICES SHOWN CLASS "QL–B", "QL–C" OR "QL–D" MAY BE INACCURATE IN BOTH VERTICAL AND HORIZONTAL POSITION.
- SERVICES SHOWN: "QL–A++" INCLUDE ABSOLUTE ACCURACY IN HORIZ/VERT +/– 50mm/10mm
- SERVICES SHOWN: "QL–A+" INCLUDE ABSOLUTE ACCURACY OF HORIZ/VERT +/– 50mm/20mm
- SERVICES SHOWN: "QL–A" INCLUDE ABSOLUTE ACCURACY OF HORIZ/VERT +/– 50mm/50mm
- SERVICES SHOWN: "QL–B" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– 300mm/500mm
- SERVICES SHOWN: "QL–C" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– 300mm/ NILL
- SERVICES SHOWN: "QL–D" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– NILL/NILL
- MULTIPLE SERVICES MAY STILL EXIST IN SINGLE TRENCH, THEREFORE, SERVICES SHOWN MAY NOT REFLECT OTHER SERVICES ABOVE OR BELOW.
- SINGLE LINES SHOWN MAY NOT REPRESENT MULTIPLE CONDUITS, PIPES OR CABLES OF SERVICES LOCATED.
- UNKNOWN SERVICES MAY STILL EXIST THAT COULD NOT BE ELECTRONICALLY DETECTED. PLEASE CONSULT SERVICE PROVIDERS DIAGRAMS OR CALL "DIAL–BEFORE–YOU–DIG" SERVICE PROVIDER TO IDENTIFY DUTY OF CARE OBLIGATIONS PRIOR TO ANY EXCAVATION/CONSTRUCTION.

– – – TELSTRA (B) – – – TELSTRA (B) – LINE – DENOTES TRACED ELECTRONICALLY UNDERGROUND SERVICE (QL–B)
POINT – DENOTES TRACED SURVEY POINT AT RL GROUND LEVEL (QL–B)

– – – TELSTRA (A) – – – TELSTRA (A) – LINE – DENOTES EXPOSED & CONFIRMED UNDERGROUND SERVICE (QL–A)
WAE – DENOTES SURVEY CAPTURED WAE AT RL TOP–OF–SERVICE (QL–A) WITH ATTRIBUTE TAG (CLASS/DEPTH/MATERIAL/DIAMETER/QTY)

QL–A++0.4QPVC100mm(X2)
QL–A+0.4QPVC100mm(X2)

ORIGINAL ISSUE	SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
	JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS A		SG	JS	JS			16/11/23
B							
C							
D							
E							

Notes:
UNDERLYING SURVEY BY OTHERS
TREE TABLE ON SHEET 10
RevA - UPDATED DATA TO GDA2020

Surveyor Registered Under the ACT Surveyors Act 2007

SHEET LEGEND:

1	2	3
4	5	6
7	8	9

DRAWING NUMBER	DRAWING DESCRIPTION
001	Feature Survey
002	Cadastre
003	Stormwater & Sewer
004	Utilities
005	Excavation - Potholes
006	Excavation - Slit trench
007	Survey Control - Vertical
008	Survey Control - Horizontal
009	Triangulation
010	Scanning (Point Clouds)

Prepared By:
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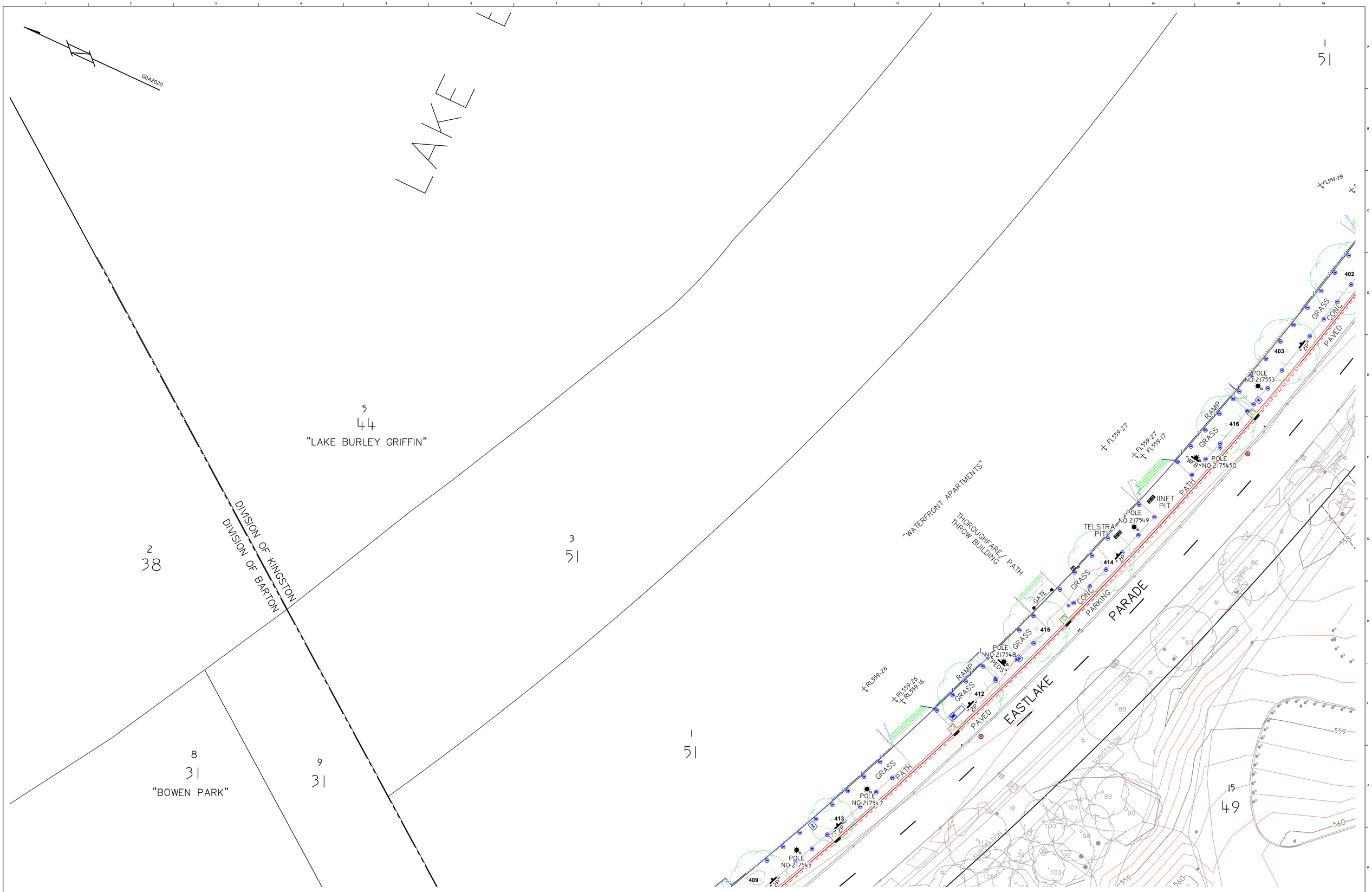
www.steger.com.au
ABN 12 920 463 267

Client:
NH Architecture
Level 7, Cannons House
12-20 Flinders Lane
Melbourne 3000

Horizontal Datum: GDA2020
Vertical Datum:
MARK: SR648
LEVEL: RL559.407
SYSTEM: AHD 71
Contour Interval: 0.20m

Title: **DETAIL SURVEY**
BLOCK: 15 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025 Scale (metres): 1:250 (0 1 2.5 5 7.5)
Sheet: 0 of 9 Size: A1 Drawing: 23025_00_Rev A.dwg



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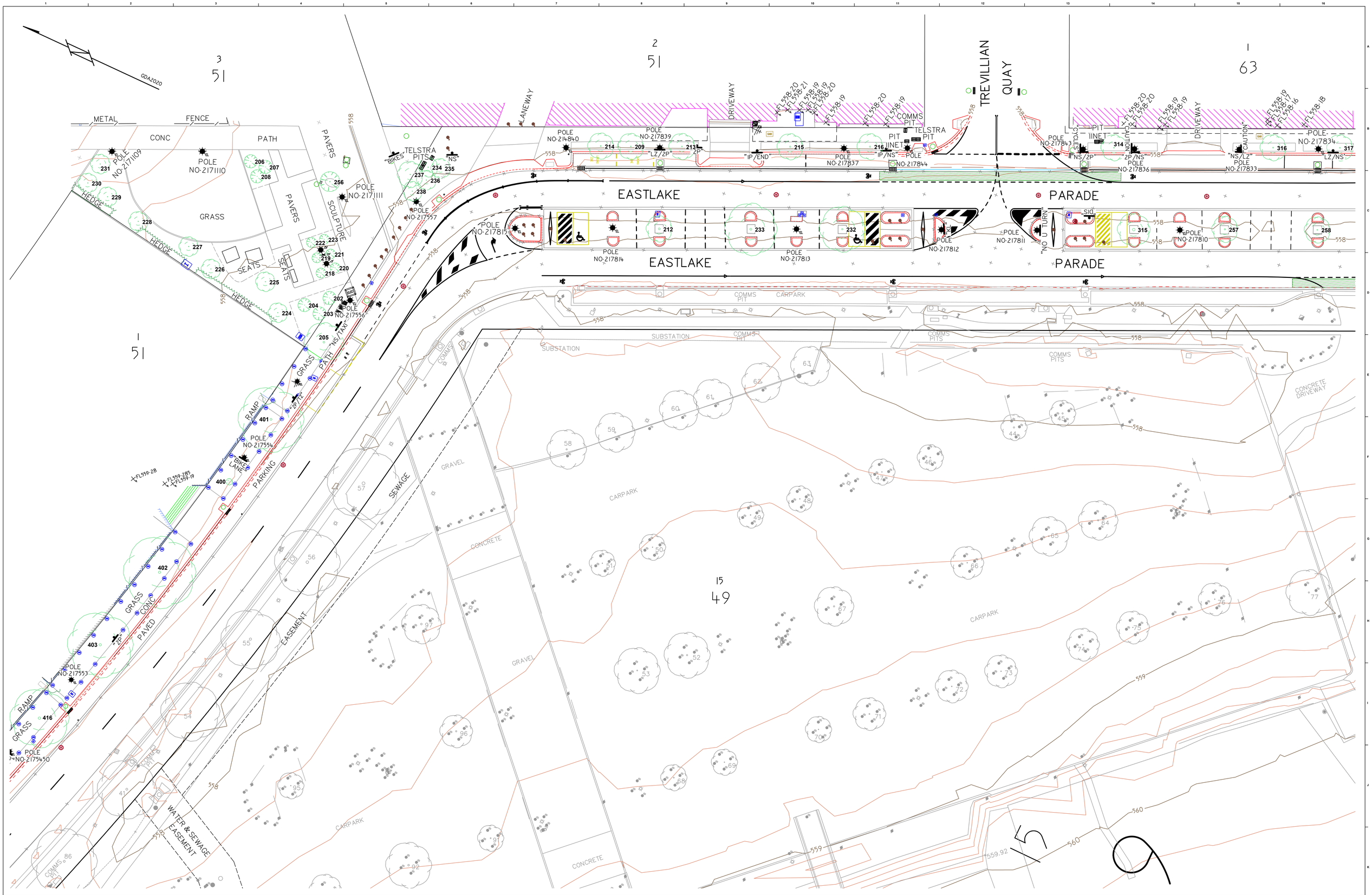

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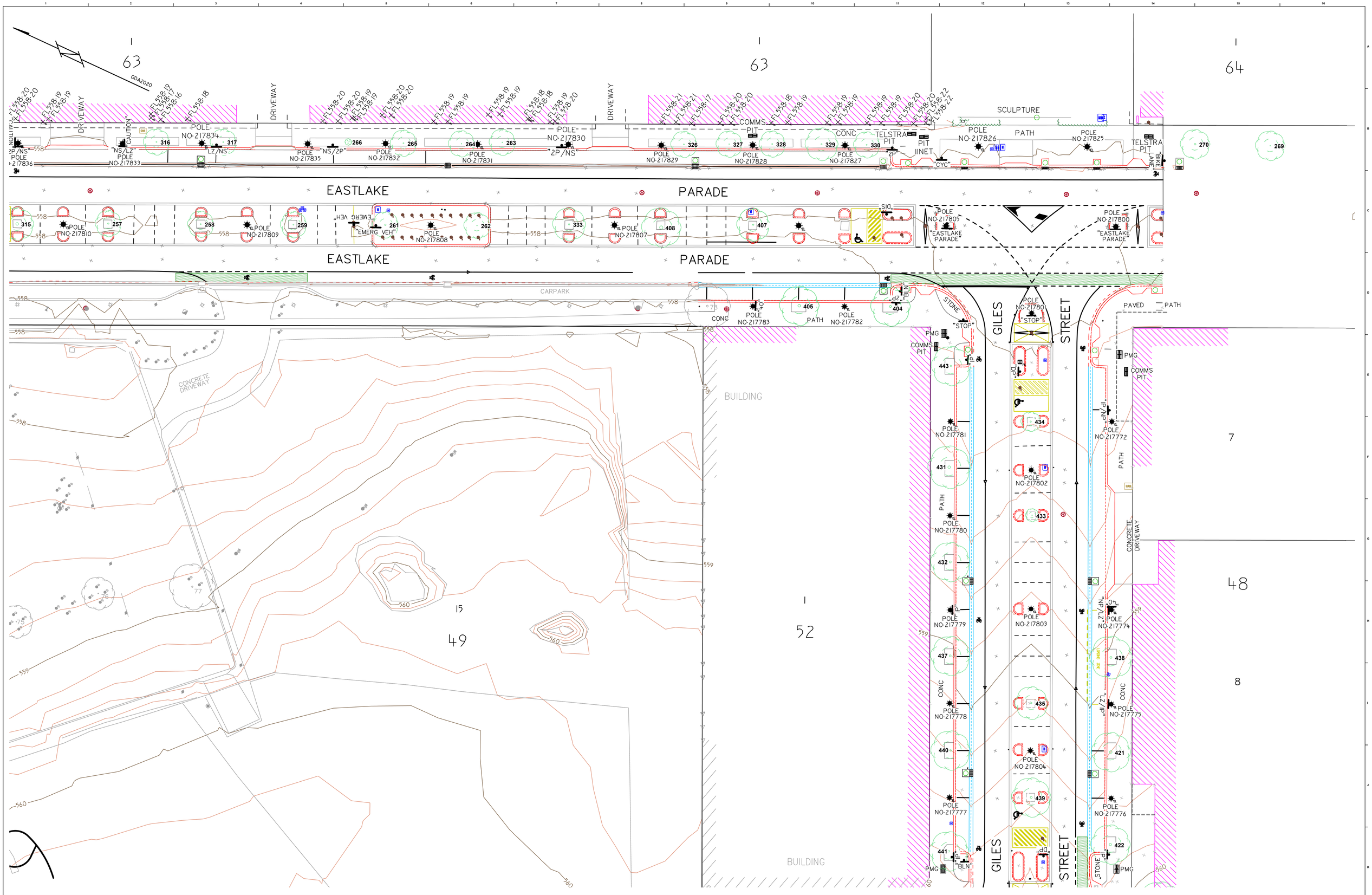

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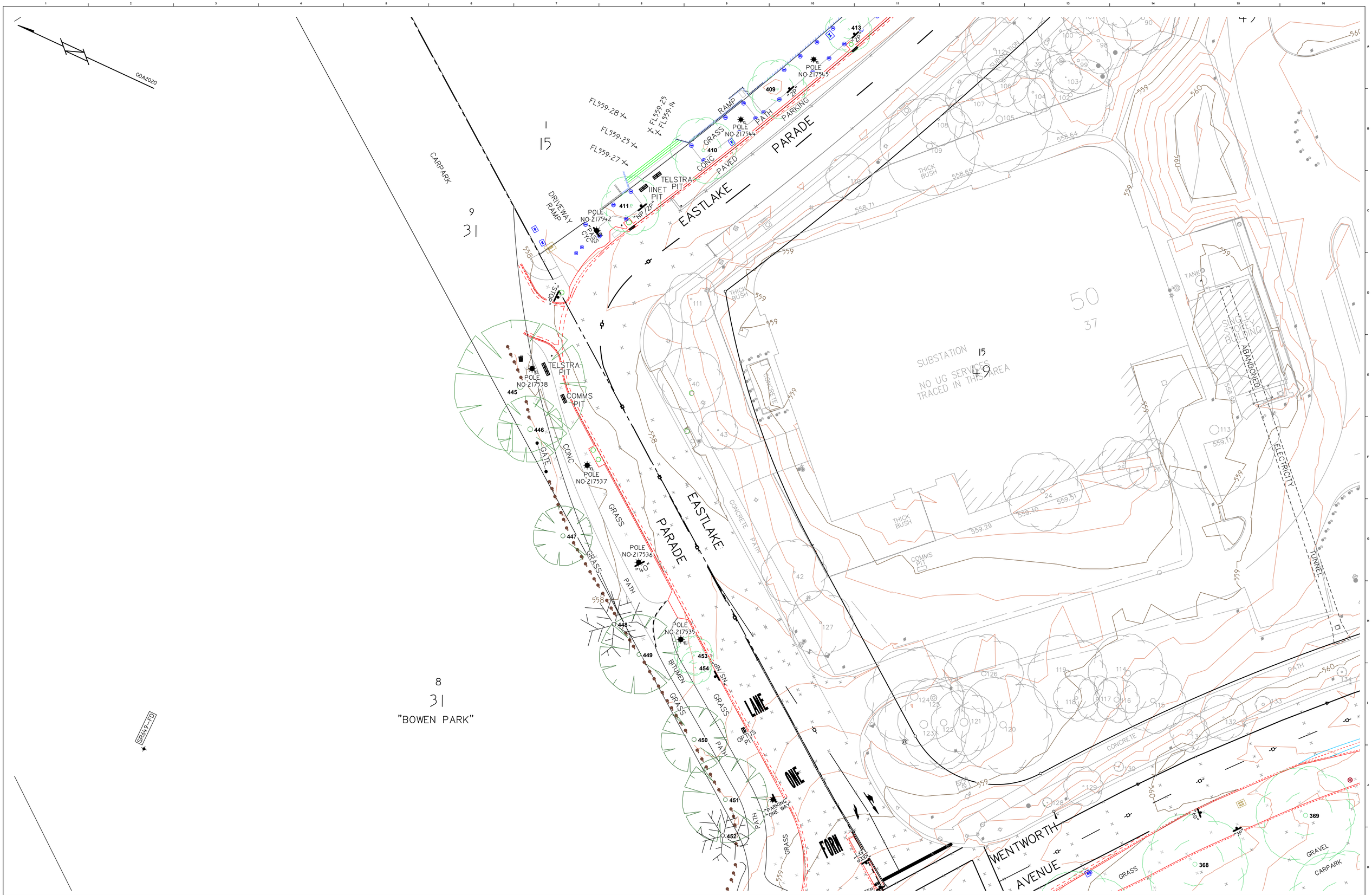

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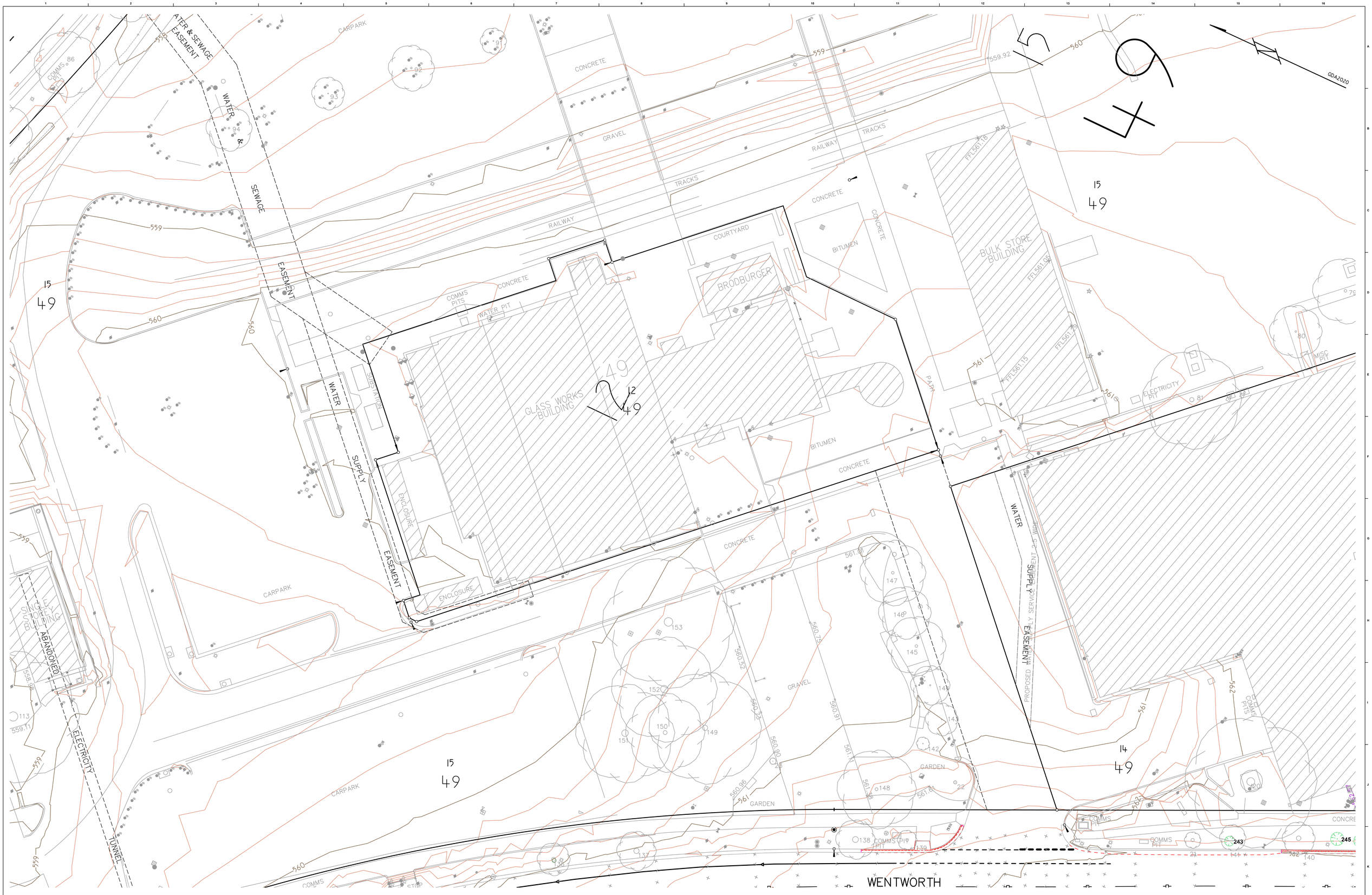

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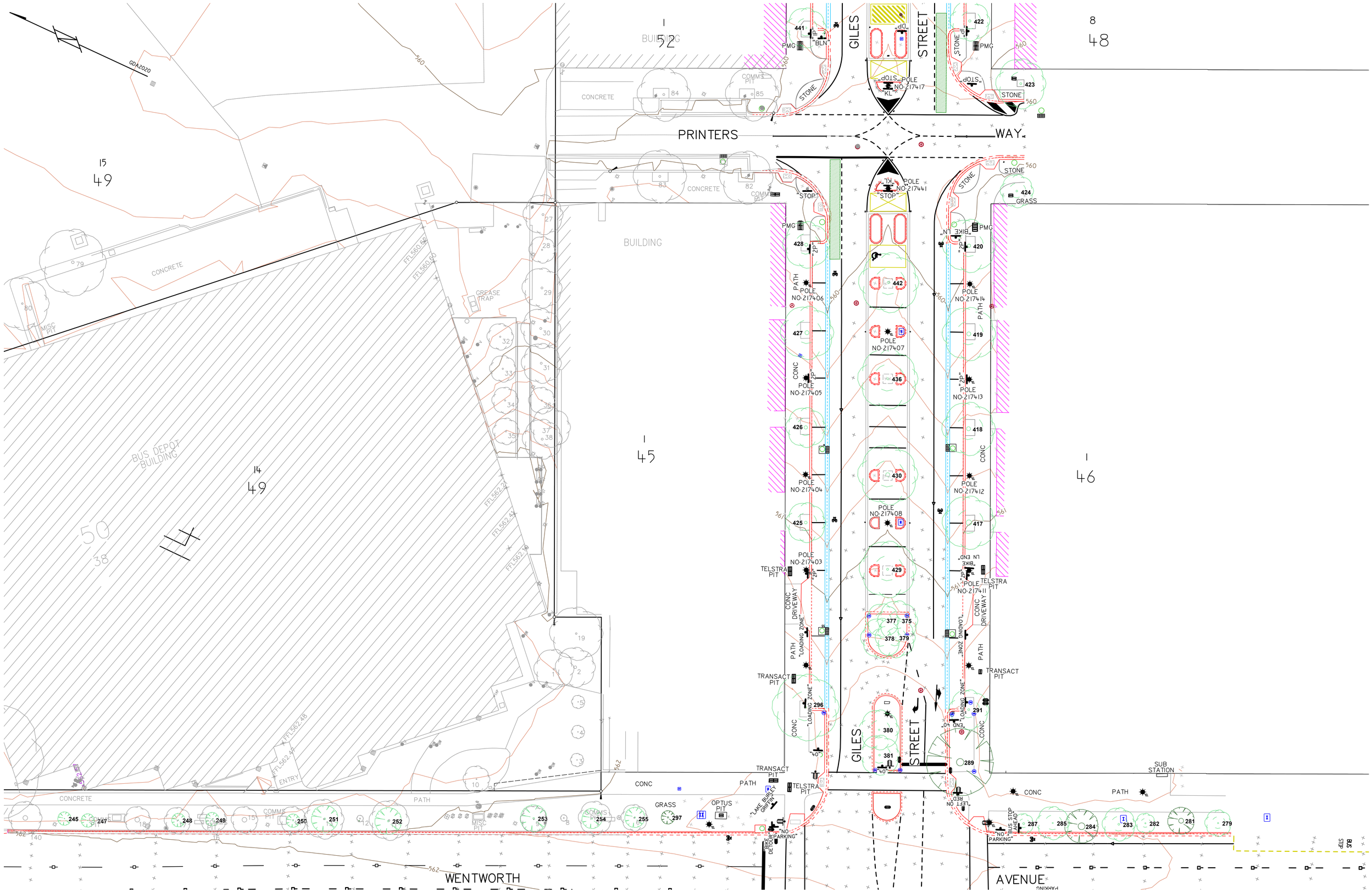

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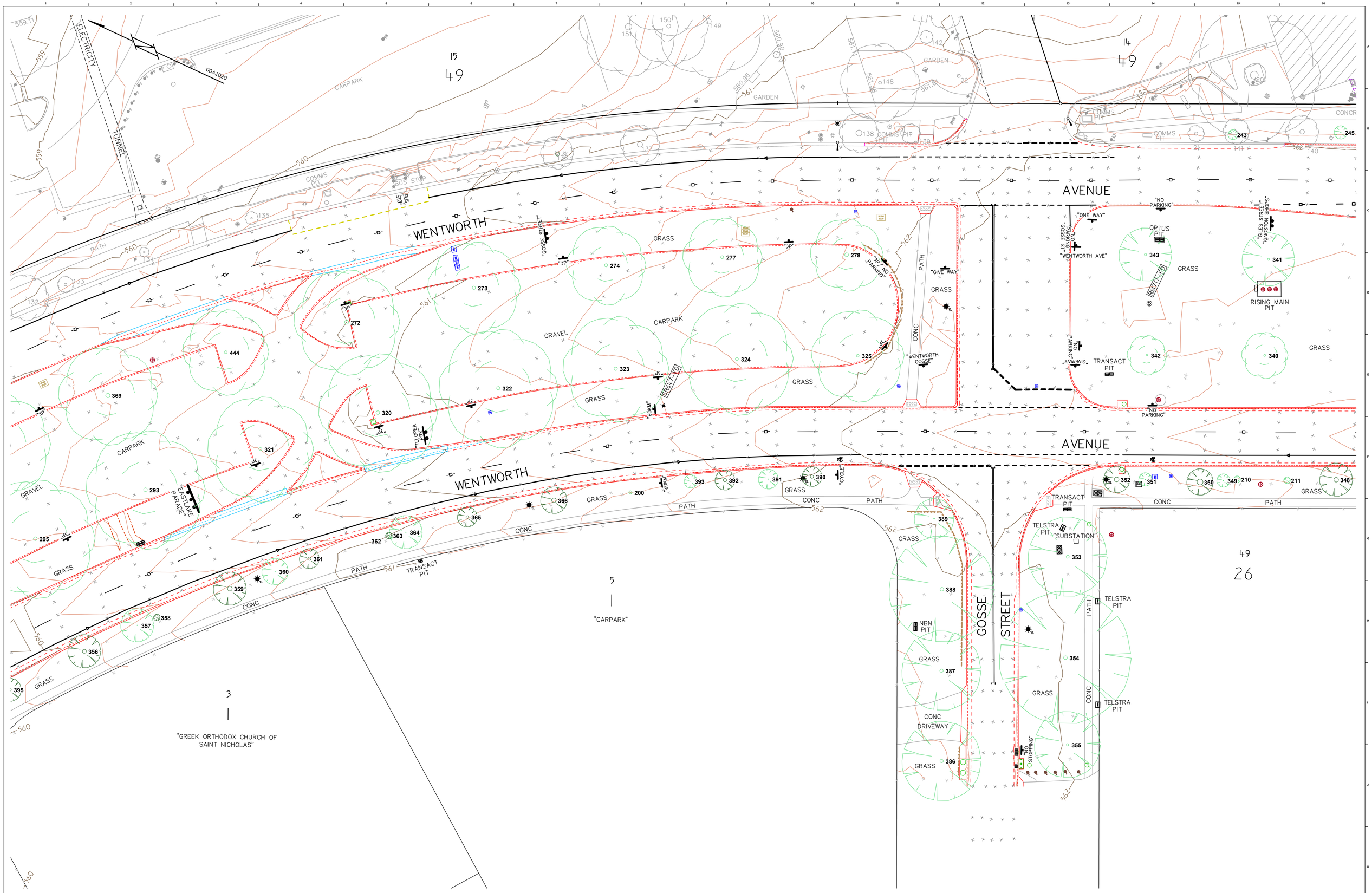

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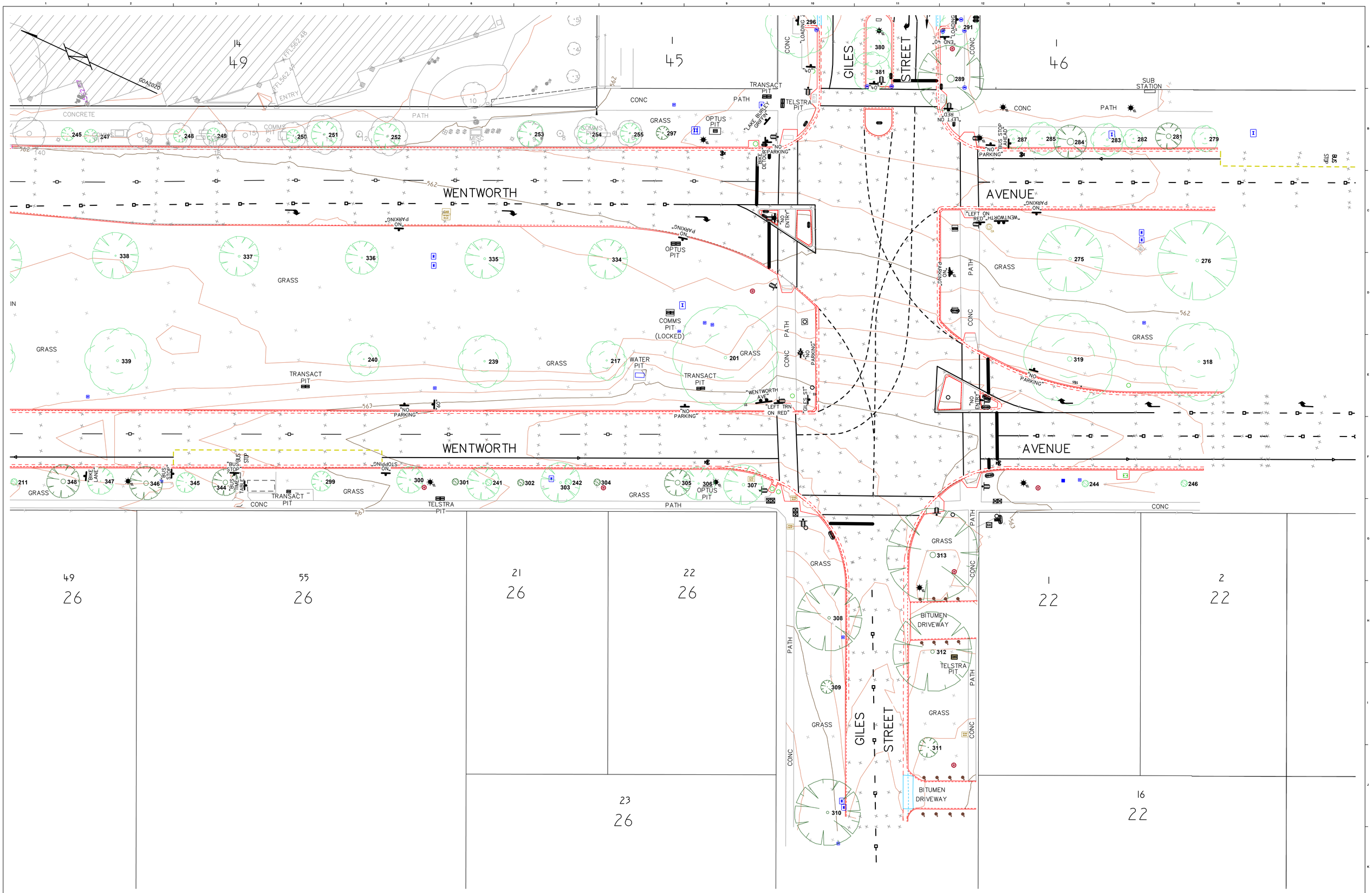
Size: A1
Drawing: 23025_00_Rev A.dwg



ORIGINAL ISSUE	SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
	JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS A		SG	JS	JS			16/11/23
B							
C							
D							
E							

Notes:
UNDERLYING SURVEY BY OTHERS
TREE TABLE ON SHEET 10
RevA - UPDATED DATA TO GDA2020

SHEET LEGEND:

1	2	3
4	5	6
7	8	9

DRAWING NUMBER	DRAWING DESCRIPTION
001	Feature Survey
002	Cadastre
003	Stormwater & Sewer
004	Utilities
005	Excavation - Potholes
006	Excavation - Slit trench
007	Survey Control - Vertical
008	Survey Control - Horizontal
009	Triangulation
010	Scanning (Point Clouds)

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Melbourne 3000

Horizontal Datum: GDA2020
Vertical Datum:
MARK: SR648
LEVEL: RL559.407
SYSTEM: AHD 71
Contour Interval: 0.20m

Title: **DETAIL SURVEY**
BLOCK: 15 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025
Scale (metres): 1:250 (0 1 2.5 5 7.5)
Sheet: 9 of 9
Size: A1
Drawing: 23025_00_Rev A.dwg

Tree No.	GDA2020 Easting	GDA2020 Northing	Latitude	Longitude	Trunk Dia.(m)	Trunk Circ.(m)	Canopy Dia.(m)	Type	Height.(m)	No.Trunks
1	-	-	-	-	0.25	0.8	6.0	-	H10	-
2	-	-	-	-	0.40	1.3	6.0	-	H7	-
3	-	-	-	-	0.10	0.3	2.0	-	H5	-
4	-	-	-	-	0.10	0.3	2.0	-	H5	-
5	-	-	-	-	0.10	0.3	2.0	-	H5	-
6	-	-	-	-	0.15	0.5	4.0	-	H6	-
7	-	-	-	-	0.15	0.5	5.0	-	H6	-
8	-	-	-	-	0.15	0.5	1.0	-	H8	-
9	-	-	-	-	0.15	0.5	4.0	-	H5	-
10	-	-	-	-	0.15	0.5	4.0	-	H5	-
11	-	-	-	-	0.25	0.8	6.0	-	H6	-
12	-	-	-	-	0.15	0.5	1.0	-	H8	-
13	-	-	-	-	0.20	0.6	6.0	-	H5	-
14	-	-	-	-	0.10	0.3	4.0	-	H5	-
15	-	-	-	-	0.70	2.2	4.0	-	H13	-
16	-	-	-	-	0.10	0.3	4.0	-	H5	-
17	-	-	-	-	0.15	0.5	4.0	-	H6	-
18	-	-	-	-	0.70	2.2	4.0	-	H13	-
19	-	-	-	-	0.25	0.8	8.0	-	H8	-
20	-	-	-	-	1.20	3.8	20.0	-	H20	-
21	-	-	-	-	0.50	1.6	2.5	-	H17	-
22	-	-	-	-	0.02	0.1	0.5	-	H4	-
23	-	-	-	-	0.04	0.1	1.0	-	H5	-
24	-	-	-	-	0.60	1.9	12.0	-	H12	-
25	-	-	-	-	0.45	1.4	8.0	-	H13	-
26	-	-	-	-	0.45	1.4	8.0	-	H17	-
27	-	-	-	-	0.30	0.9	6.0	-	H6	-
28	-	-	-	-	0.20	0.6	4.0	-	H5	-
29	-	-	-	-	0.30	0.9	6.0	-	H6	-
30	-	-	-	-	0.30	0.9	6.0	-	H6	-
31	-	-	-	-	0.30	0.9	6.0	-	H6	-
32	-	-	-	-	0.20	0.6	4.0	-	H5	-
33	-	-	-	-	0.20	0.6	4.0	-	H5	-
34	-	-	-	-	0.20	0.6	4.0	-	H5	-
35	-	-	-	-	0.20	0.6	4.0	-	H5	-
36	-	-	-	-	0.20	0.6	4.0	-	H5	-
37	-	-	-	-	0.30	0.9	6.0	-	H6	-
38	-	-	-	-	0.30	0.9	6.0	-	H6	-
39	-	-	-	-	0.20	0.6	4.0	-	H8	-
40	-	-	-	-	0.35	1.1	10.0	-	H10	-
41	-	-	-	-	0.30	0.9	9.0	-	H10	-
42	-	-	-	-	0.30	0.9	10.0	-	H11	-
43	-	-	-	-	0.20	0.6	6.0	-	H8	-
44	-	-	-	-	0.20	0.6	4.0	-	H7	-
45	-	-	-	-	0.20	0.6	4.0	-	H7	-
46	-	-	-	-	0.15	0.5	4.0	-	H6	-
47	-	-	-	-	0.10	0.3	4.0	-	H6	-
48	-	-	-	-	0.12	0.4	4.0	-	H6	-
49	-	-	-	-	0.12	0.4	4.0	-	H6	-
50	-	-	-	-	0.10	0.3	4.0	-	H6	-
51	-	-	-	-	0.10	0.3	4.0	-	H6	-
52	-	-	-	-	0.20	0.6	7.0	-	H7	-
53	-	-	-	-	0.15	0.5	7.0	-	H7	-
54	-	-	-	-	0.30	0.9	9.0	-	H10	-
55	-	-	-	-	0.35	1.1	9.0	-	H10	-
56	-	-	-	-	0.40	1.3	10.0	-	H10	-
57	-	-	-	-	0.45	1.4	11.0	-	H12	-
58	-	-	-	-	0.20	0.6	6.0	-	H8	-
59	-	-	-	-	0.20	0.6	6.0	-	H8	-
60	-	-	-	-	0.20	0.6	6.0	-	H8	-
61	-	-	-	-	0.20	0.6	6.0	-	H8	-
62	-	-	-	-	0.20	0.6	6.0	-	H8	-
63	-	-	-	-	0.15	0.5	6.0	-	H7	-
64	-	-	-	-	0.20	0.6	6.0	-	H7	-
65	-	-	-	-	0.15	0.5	6.0	-	H7	-
66	-	-	-	-	0.12	0.4	5.0	-	H6	-
67	-	-	-	-	0.20	0.6	6.0	-	H7	-
68	-	-	-	-	0.15	0.5	4.0	-	H6	-
69	-	-	-	-	0.10	0.3	4.0	-	H6	-
70	-	-	-	-	0.10	0.3	4.0	-	H7	-
71	-	-	-	-	0.15	0.5	5.0	-	H7	-
72	-	-	-	-	0.12	0.4	5.0	-	H6	-
73	-	-	-	-	0.12	0.4	5.0	-	H6	-
74	-	-	-	-	0.12	0.4	5.0	-	H6	-
75	-	-	-	-	0.10	0.3	5.0	-	H6	-
76	-	-	-	-	0.10	0.3	5.0	-	H6	-
77	-	-	-	-	0.20	0.6	7.0	-	H8	-
78	-	-	-	-	0.30	0.9	7.0	-	H8	-
79	-	-	-	-	0.40	1.3	10.0	-	H8.5	-
80	-	-	-	-	0.25	0.8	8.0	-	H5	-
81	-	-	-	-	0.65	2.0	15.0	-	H12	-
82	-	-	-	-	0.30	0.9	8.0	-	H9	-
83	-	-	-	-	0.30	0.9	8.0	-	H9	-
84	-	-	-	-	0.30	0.9	8.0	-	H8	-
85	-	-	-	-	0.30	0.9	8.0	-	H8	-
86	-	-	-	-	0.30	0.9	10.0	-	H10	-
87	-	-	-	-	0.30	0.9	10.0	-	H10	-
88	-	-	-	-	0.35	1.1	12.0	-	H10	-
89	-	-	-	-	0.40	1.3	8.0	-	H16	-
90	-	-	-	-	0.50	1.6	11.0	-	H16	-
91	-	-	-	-	0.15	0.5	4.0	-	H7	-
92	-	-	-	-	0.25	0.8	7.0	-	H8	-
93	-	-	-	-	0.12	0.4	5.0	-	H6	-
94	-	-	-	-	0.25	0.8	7.0	-	H8	-
95	-	-	-	-	0.10	0.3	4.0	-	H6	-
96	-	-	-	-	0.20	0.6	5.0	-	H7	-
97	-	-	-	-	0.25	0.8	6.0	-	H8	-
98	-	-	-	-	0.40	1.3	10.0	-	H14	-
99	-	-	-	-	0.40	1.3	10.0	-	H15	-
100	-	-	-	-	0.35	1.1	7.0	-	H14	-
101	-	-	-	-	0.35	1.1	7.0	-	H14	-

Tree No.	GDA2020 Easting	GDA2020 Northing	Latitude	Longitude	Trunk Dia.(m)	Trunk Circ.(m)	Canopy Dia.(m)	Type	Height.(m)	No.Trunks
102	-	-	-	-	0.60	1.9	13.0	-	H15	-
103	-	-	-	-	0.15	0.5	5.0	-	H10	-
104	-	-	-	-	0.30	0.9	7.0	-	H14	-
105	-	-	-	-	1.00	3.1	16.0	-	H16	-
106	-	-	-	-	0.50	1.6	8.0	-	H16	-
107	-	-	-	-	0.40	1.3	8.0	-	H16	-
108	-	-	-	-	0.25	0.8	8.0	-	H17	-
109	-	-	-	-	0.90	2.8	15.0	-	H18	-
110	-	-	-	-	0.20	0.6	7.0	-	H10	-
111	-	-	-	-	0.25	0.8	8.0	-	H10	-
112	-	-	-	-	0.30	0.9	10.0	-	H11	-
113	-	-	-	-	1.40	4.4	20.0	-	H13	-
114	-	-	-	-	0.90	2.8	12.0	-	H25	-
115	-	-	-	-	0.70	2.2	10.0	-	H23	-
116	-	-	-	-	0.80	2.5	7.0	-	H16	-
117	-	-	-	-	0.40	1.3	7.0	-	H30	-
118	-	-	-	-	0.45	1.4	7.0	-	H9	-
119	-	-	-	-	0.90	2.8	12.0	-	H28	-
120	-	-	-	-	1.00	3.1	15.0	-	H36	-
121	-	-	-	-	1.20	3.8	10.0	-	H25	-
122	-	-	-	-	1.00	3.1	14.0	-	H22	-
123	-	-	-	-	1.20	3.8	14.0	-	H24	-
124	-	-	-	-	1.20	3.8	15.0	-	H24	-
125	-	-	-	-	0.45	1.4	1.0	-	H13	-
126	-	-	-	-	0.70	2.2	12.0	-	H23	-
127	-	-	-	-	0.35	1.1	10.0	-	H11	-
128	-	-	-	-	0.15	0.5	1.5	-	H7	-
129	-	-	-	-	0.20	0.6	6.0	-	H7	-
130	-	-	-	-	0.20	0.6	1.5	-	H7	-
131	-	-	-	-	0.80	2.5	6.0	-	H10	-
132	-	-	-	-	0.20	0.6	7.0	-	H7	-
133	-	-	-	-	0.40	1.3	2.5	-	H9	-
134	-	-	-	-	0.25	0.8	1.5	-	H8	-
135	-	-	-	-	0.25	0.8	2.0	-	H6	-
136	-	-	-	-	0.60	1.9	5.0	-	H14	-
137	-	-	-	-	0.80	2.5	6.0	-	H12	-
138	-	-	-	-	0.90	2.8	6.0	-	H15	-
139	-	-	-	-	0.40	1.3	3.0	-	H9	-
140	-	-	-	-	0.70	2.2	5.0	-	H10	-
141	-	-	-	-	0.10	0.3	4.0	-	H6	-
142	-	-	-	-	0.10	0.3	2.0	-	H4	-
143	-	-	-	-	0.15	0.5	5.0	-	H6	-
144	-	-	-	-	0.20	0.6	6.0	-	H6	-
145	-	-	-	-	0.40	1.3	9.0	-	H8	-
146	-	-	-	-	0.40	1.3	8.0	-	H8	-
147	-	-	-	-	0.40	1.3	10.0	-	H8	-
148	-	-	-	-	0.45	1.4	12.0	-	H12	-
149	-	-	-	-	0.80	2.5	17.0	-	H19	-
150	-	-	-	-	0.60	1.9	12.0	-	H19	-
151	-	-	-	-	1.00	3.1	15.0	-	H25	-
152	-	-	-	-	1.10	3.5	16.0	-	H24	-
153	-	-	-	-	1.30	4.1	20.0	-	H19	-
200	694786.3	6090243.5	-35.3120741	149.1426088	0.02	0.06	0.5	SAPLING	-	-
201	694890.2	6090063.0	-35.3136707	149.1437901	0.40	1.26	16.0	DECIDUOUS	11.0	1
202	695001.6	6090388.1	-35.3107196	149.1449375	0.04	0.13	2.0	ORNAMENTAL	3.0	1
203	694998.8	6090388.5	-35.310716	149.1449067	0.04	0.13	2.0	ORNAMENTAL	2.0	1
204	694999.0	6090391.1	-35.3106926	149.1449089	0.04	0.13	2.0	ORNAMENTAL	3.0	1
205	694995.1	6090386.1	-35.3107386	149.1448672	0.28	0.88	6.0	DECIDUOUS	9.0	1
206	695015.4	6090407.4	-35.3105428	149.1450846	0.04	0.13	2.0	ORNAMENTAL	3.0	1
207	695015.5	6090405.0	-35.3105644	149.1450868	0.04	0.13	2.0	ORNAMENTAL	-	-
208	695013.7	6090405.5	-35.3105599	149.145067	0.04	0.13	2.0	ORNAMENTAL	3.0	1
209	695041.0	6090356.1	-35.3110003	149.1453789	0.14	0.44	4.0	DECIDUOUS	7.0	1
210	694826.0	6090159.9	-35.3128099	149.1430619	0.03	0.09	1.0	FRUIT	2.0	1
211	694829.0	6090152.9	-35.312872	149.1430961	0.03	0.09	1.0	FRUIT	2.0	1
212	695031.4	6090347.1	-35.3110833	149.1452757	0.28	0.88	4.0	DECIDUOUS	5.5	3
213	695044.2	6090349.1	-35.3110624	149.1454153	0.13	0.41	4.0	DECIDUOUS	7.0	1
214	695039.2	6090360.2	-35.3109634	149.1453579	0.16	0.50	4.0	DECIDUOUS	7.0	1
215	695050.9	6090334.2	-35.3111957	149.1454925	0.20	0.63	4.0	DECIDUOUS	7.5	1
216	695055.8	6090323.3	-35.311293	149.1455487	0.20	0.63	4.0	DECIDUOUS	7.5	1
217	694882.4	6090079.1	-35.3135266	149.1437008	0.22	0.69	6.0	DECIDUOUS	9.0	1
218	695004.4	6090390.8	-35.3106943	149.1449683	0.05	0.16	1.5	ORNAMENTAL	3.0	1
219	695006.3	6090392.3	-35.3106808	149.144988	0.05	0.16	1.5	ORNAMENTAL	3.0	1
220	695006.0	6090389.2	-35.3107087	149.1449859	0.05	0.16	1.5	ORNAMENTAL	3.0	1
221	695007.6	6090390.7	-35.3106952	149.1450034	0.05	0.16	1.5	ORNAMENTAL	3.0	1
222	695008.0	6090394.0	-35.3106645	149.1450067	0.05	0.16	1.5	ORNAMENTAL	3.0	1
223	695009.3	6090392.4	-35.3106789	149.145021	0.05	0.16	1.5	ORNAMENTAL	3.0	1
224	694996.3	6090394.3	-35.3106647	149.144878	0.09	0.28	3.0	DECIDUOUS	4.0	1
225	694999.8	6090397.9	-35.3106313	149.1449154	0.09	0.28	3.0	DECIDUOUS	4.0	1
226	694998.1	6090406.2	-35.3105574	149.1448955	0.09	0.28	3.0	DECIDUOUS	4.0	1
227	694999.8	6090410.6	-35.3105168	149.144913	0.10	0.31	3.0	DECIDUOUS	5.0	1
228	695000.2	6090419.1	-35.3104402	149.1449151	0.10	0.31	3.0	DECIDUOUS	5.0	1
229	695001.7	6090424.9	-35.3103879	149.1449304	0.09	0.28	3.0	DECIDUOUS	5.0	1
230	695002.4	6090428.4	-35.3103564	149.1449369	0.09	0.28	3.0	DECIDUOUS	4.0	1
231	695005.7	6090427.9	-35.3103599	149.1449732	0.09	0.28	3.0	DECIDUOUS	4.0	1
232	695042.7	6090321.9	-35.3113076	149.1454058	0.21	0.66	7.0	DECIDUOUS	7.0	1
233	695037.1	6090334.4	-35.3111959	149.1453407	0.30	0.94	8.0	DECIDUOUS	7.0	1
234	695025.6	6090382.7	-35.3107635	149.1452026	0.10	0.31	3.0	DECIDUOUS	4.0	1
235	695026.2	6090380.9	-35.3107797	149.1452103	0.10	0.31	3.0	DECIDUOUS	4.0	1
236	695023.8	6090382.1	-35.3107689	149.1451828	0.10	0.31	3.0	DECIDUOUS	4.0	1
237	695023.5	6090384.6	-35.3107464	149.1451794	0.11	0.35	4.0	DECIDUOUS	4.0	1
238	695021.4	6090383.3	-35.310759	149.1451564	0.09	0.28	3.0	DECIDUOUS	4.0	1
239	694874.7	6090095.8	-35.313378	149.1436126	0.25	0.79	8.0	DECIDUOUS	9.0	1
240	694867.5	6090112.5	-35.3132285	149.1435288	0.16	0.50	5.0	DECIDUOUS	5.0	1
241	694858.3	6090087.7	-35.3134539	149.1434335	0.03	0.09	1.0	FRUIT	2.0	1
242	694863.2	6090076.8	-35.3135512	149.1434908	0.03	0.09	1.0	FRUIT	2.0	1
243	694873.1	6090181.8	-35.3126029	149.1435739	0.03	0.09	1.5	FRUIT	3.0	1
244	694895.1	6090005.8	-35.3141852	149.143858	0.03	0.09	1.0	FRUIT	2.0	1
245	694880.1	6090167.1	-35.3127344	149.1436544	0.10	0.31	2.0	FRUIT	4.0	1
246	694901.2	6089992.1	-35.3143068	149.1439286	0.03	0.09	1.0	FRUIT	2.0	1
247	694881.5	6090163.1	-35.3127705	149.143671	0.10	0.31	2.0	FRUIT	4.0	1

Tree No.	GDA2020 Easting	GDA2020 Northing	Latitude	Longitude	Trunk Dia.(m)	Trunk Circ.(m)	Canopy Dia.(m)	Type	Height.(m)	No.Trunks
248	694886.9	6090151.7	-35.3128722	149.1437327	0.10	0.31	2.0	FRUIT	4.0	1
249	694888.9	6090147.1	-35.3129128	149.1437559	0.10	0.31	2.0	FRUIT	4.0	1
250	694893.7	6090136.0	-35.3130118	149.1438121	0.10	0.31	2.0	FRUIT	4.0	1
251	694896.0	6090131.9	-35.3130488	149.1438375	0.25	0.79	4.0	FRUIT	4.0	4
252	694899.5	6090123.1	-35.3131271	149.1438783	0.25	0.79	4.0	FRUIT	4.0	3
253	694908.8	6090103.6	-35.313301	149.1439852	0.25	0.79	4.0	FRUIT	3.5	3
254	694912.3	6090095.7	-35.3133712	149.144026	0.20	0.63	3.0	FRUIT	3.0	3
255	694915.0	6090090.0	-35.3134225	149.1440569	0.20	0.63	3.0	FRUIT	3.5	2
256	695017.5	6090395.3	-35.3106518	149.1451111	0.12	0.38	3.0	ORNAMENTAL	4.0	3
257	695066.5	6090269.3	-35.3117768	149.1456793	0.20	0.63	4.0	DECIDUOUS	6.0	1
258	695072.1	6090256.6	-35.3118903	149.1457443	0.15	0.47	4.0	DECIDUOUS	5.1	1
259	695077.8	6090243.9	-35.3120038	149.1458094	0.15	0.47	4.0	DECIDUOUS	6.0	1
261	695083.4	6090231.2	-35.3121173	149.1458744	0.22	0.69	4.0	DECIDUOUS	5.0	2
262	695089.0	6090218.6	-35.3122299	149.1459395	0.10	0.31	4.0	DECIDUOUS	6.0	1
263	695102.0	6090220.3	-35.3122117	149.1460813	0.10	0.31	4.0	DECIDUOUS	6.8	1
264	695099.3	6090225.8	-35.3121631	149.1460504	0.10	0.31	4.0	DECIDUOUS	6.8	1
265	695095.8	6090233.8	-35.312091	149.1460096	0.15	0.47	4.0	DECIDUOUS	8.0	1
266	695092.5	6090241.5	-35.3120225	149.1459721	0.03	0.09	1.0	DECIDUOUS	1.2	1
267	694676.8	6090349.5	-35.3111309	149.1413769	0.60	1.88	2.5	PINE	13.0	6
268	694673.7	6090351.5	-35.3111129	149.1413417	0.60	1.88	8.0	DECIDUOUS	8.9	4
269	695149.1	6090114.6	-35.3131547	149.146625	0.10	0.31	4.5	DECIDUOUS	-	-
270	695144.7	6090125.0	-35.3130619	149.1465731	0.25	0.79	4.5	DECIDUOUS	6.5	5
271	695134.7	6090117.0	-35.3131359	149.1464655	0.40	1.26	6.0	DECIDUOUS	8.0	4
272	694792.4	6090291.9	-35.311627	149.1426608	0.60	1.88	16.0	DECIDUOUS	15.8	1
273	694805.0	6090276.5	-35.3117629	149.1428029	0.50	1.57	14.0	DECIDUOUS	16.7	1
274	694816.2	6090259.8	-35.3119115	149.1429307	0.47	1.48	12.0	DECIDUOUS	17.0	1
275	694925.0	6090021.8	-35.3140353	149.1441833	0.39	1.23	10.0	OAK	9.2	1
276	694932.7	6090004.2	-35.314192	149.1442715	0.42	1.32	12.0	OAK	12.5	1
277	694824.6	6090244.3	-35.3120193	149.1430266	0.44	1.38	12.0	DECIDUOUS	16.8	1
278	694832.7	6090227.5	-35.3121997	149.1431192	0.57	1.79	11.0	DECIDUOUS	16.0	1
279	694949.9	6090010.7	-35.3141305	149.1444594	0.18	0.57	4.0	DECIDUOUS	4.3	2
280	694677.4	6090367.7	-35.310966	149.1413788	0.75	2.36	13.0	DECIDUOUS	20.8	1
281	694948.0	6090015.8	-35.3140845	149.1444373	0.73	2.29	4.0	CONIFER	12.4	1
282	694945.5	6090020.4	-35.3140431	149.1444087	0.17	0.53	3.0	DECIDUOUS	4.3	3
283	694943.7	6090024.0	-35.3140116	149.1443877	0.27	0.85	5.0	DECIDUOUS	5.6	1
284	694941.2	6090028.9	-35.3139675	149.1443591	1.02	3.20	5.0	CONIFER	9.9	1
285	694939.9	6090033.1	-35.3139305	149.1443436	0.17	0.53	5.0	DECIDUOUS	6.0	1
286	694670.5	6090354.3	-35.3110886	149.1413064	0.70	2.20	14.0	DECIDUOUS	15.2	1
287	694937.9	6090037.0	-35.3138954	149.1443216	0.29	0.91	3.0	DECIDUOUS	5.3	3
288	694666.9	6090356.7	-35.3110679	149.1412657	0.40	1.26	8.0	DECIDUOUS	7.5	1
289	694942.4	6090049.3	-35.3137836	149.1443676	1.09	3.42	10.0	CONIFER	17.7	1
290	694664.0	6090359.2	-35.3110454	149.1412338	0.55	1.73	4.0	PINE	10.8	2
291	694950.0	6090051.4	-35.3137637	149.1444511	0.29	0.91	6.0	DECIDUOUS	8.7	1
293	694756.9	6090309.1	-35.3114787	149.1422669	0.55	1.73	18.0	DECIDUOUS	18.0	1
295	694743.4	6090321.3	-35.3113716	149.142115	0.55	1.73	18.0	DECIDUOUS	18.0	1
296	694940.4	6090073.6	-35.3135655	149.1443397	0.28	0.88	10.0	DECIDUOUS	10.3	1
297	694917.1	6090085.5	-35.3134622	149.1440811	0.20	0.63	2.0	CONIFER	8.4	1
298	694729.1	6090332.3	-35.3112754	149.1419555	0.55	1.73	18.0	DECIDUOUS	18.0	1
299	694848.1	6090110.8	-35.3132476	149.1433166	0.12	0.38	3.0	FRUIT	4.4	2
300	694853.8	6090098.7	-35.3133557	149.1433817	0.23	0.72	4.0	FRUIT	3.5	4
301	694856.3	6090092.4	-35.3134124	149.1434114	0.10	0.31	1.0	PINE	6.3	1
302	694860.3	6090083.3	-35.3134935	149.1434567	0.10	0.31	1.0	PINE	4.4	1
303	694862.8	6090077.8	-35.3135421	149.1434853	0.30	0.94	6.0	FRUIT	4.8	3
304	694865.1	6090072.9	-35.3135863	149.1435118	0.10	0.31	1.0	PINE	4.8	1
305	694870.0	6090061.8	-35.3136854	149.1435691	0.75	2.36	4.0	PINE	10.8	1
306	694871.2	6090058.9	-35.3137115	149.1435824	0.23	0.72	5.0	FRUIT	5.1	1
307	694873.7	6090052.6	-35.3137673	149.1436121	0.40	1.26	6.0	FRUIT	4.7	3
308	694860.8	6090032.6	-35.3139504	149.143475	0.40	1.26	10.0	CONIFER	10.2	1
309	694851.2	6090028.6	-35.3139884	149.1433706	0.05	0.16	2.0	CONIFER	1.8	1
310	694834.0	6090020.7	-35.3140625	149.1431827	0.38	1.19	10.0	CONIFER	10.3	1
311	694849.1	6090011.0	-35.314147	149.1433511	0.10	0.31	3.0	CONIFER	4.6	1
312	694862.6	6090016.3	-35.3140964	149.1434983	0.55	1.73	12.0	CONIFER	10.5	1
313	694875.8	6090022.3	-35.3140404	149.1436423	0.85	2.67	14.0	CONIFER	13.0	1
314	695070.8	6090289.7	-35.3115929	149.1457218	0.15	0.47	4.0	DECIDUOUS	7.5	1
315	695060.7	6090281.9	-35.3116651	149.1456131	0.40	1.26	5.0	DECIDUOUS	5.3	5
316	695080.6	6090267.8	-35.3117884	149.1458354	0.15	0.47	4.0	DECIDUOUS	7.2	1
317	695084.8	6090258.6	-35.3118703	149.1458828	0.15	0.47	4.0	DECIDUOUS	7.6	1
318	694918.9	6089997.7	-35.3142534	149.144122	0.30	0.94	12.0	DECIDUOUS	10.8	1
319	694911.3	6090015.6	-35.3140931	149.1440338	0.70	2.20	14.0	DECIDUOUS	11.3	1
320	694781.9	6090282.0	-35.3117181	149.1425477	0.55	1.73	18.0	DECIDUOUS	16.0	1
321	694769.7	6090295.9	-35.3115957	149.1424101	0.45	1.41	16.0	DECIDUOUS	16.0	1
322	694792.7	6090267.0	-35.3118514	149.14267	0.50	1.57	18.0	DECIDUOUS	16.0	1
323	694802.7	6090252.1	-35.3119837	149.1427835	0.50	1.57	16.0	DECIDUOUS	16.0	1
324	694811.5	6090236.0	-35.3121269	149.1428848	0.45	1.41	17.0	DECIDUOUS	16.0	1
325	694819.4	6090219.6	-35.3122728	149.1429752	0.40	1.26	14.0	DECIDUOUS	-	-
326	695113.0	6090195.2	-35.312436	149.1462081	0.15	0.47	4.0	DECIDUOUS	7.0	1
327	695115.9	6090189.0	-35.3124909	149.1462412	0.10	0.31	4.0	DECIDUOUS	6.5	1
328	695118.5	6090183.1	-35.312544	149.1462721	0.15	0.47	4.0	DECIDUOUS	6.5	1
329	695121.6	6090176.3	-35.3126044	149.1463074	0.17	0.53	5.0	DECIDUOUS	7.0	1
330	695124.3	6090170.0	-35.3126602	149.1463383	0.15	0.47	4.0	DECIDUOUS	6.5	1
333	695094.9	6090206.1	-35.3123415	149.1460068	0.20	0.63	5.0	DECIDUOUS	6.0	1
334	694896.3	6090085.3	-35.3134687	149.1438525	0.23	0.72	6.0	OAK	8.0	1
335	694888.7	6090102.2	-35.3133174	149.1437653	0.31	0.97	6.0	OAK	9.9	1
336	694881.3	6090119.1	-35.313167

14.0 Survey Information

14.1 Hydraulics Report

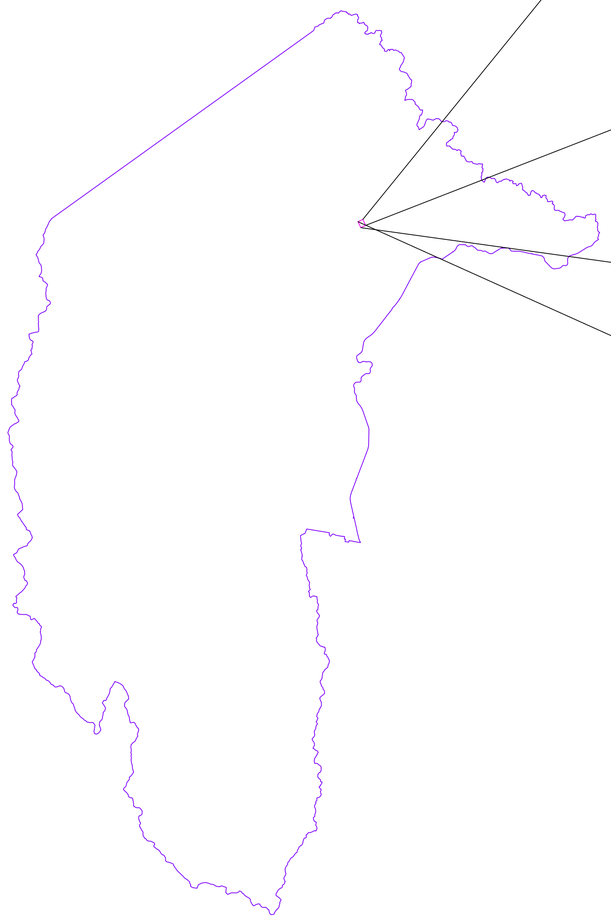
14.2 Feature Survey

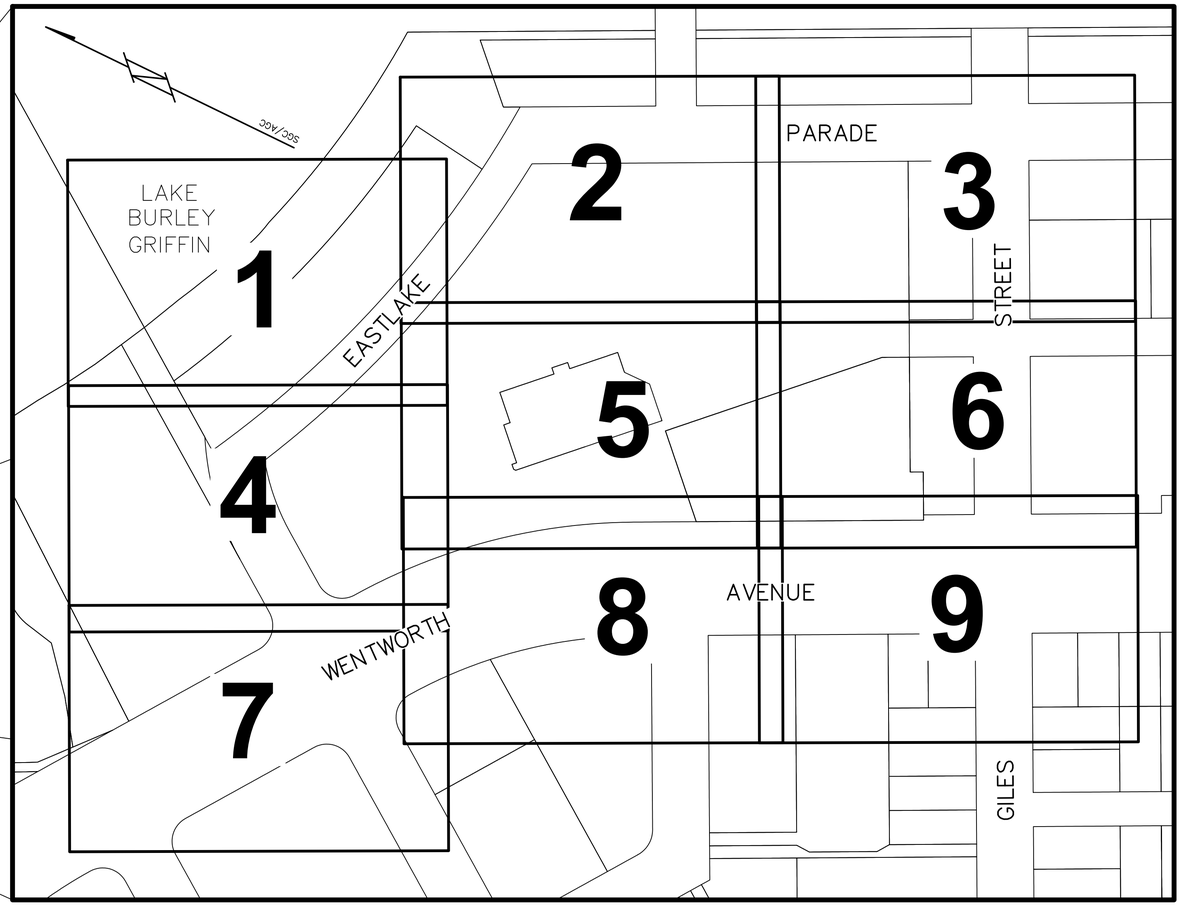
14.3 Stormwater & Sewer Network

14.4 Utilities

KINGSTON ARTS PRECINCT

STORMWATER & SEWER NETWORK





LOCALITY

NOT TO SCALE

LEGEND

- SEWERAGE–MANHOLE
- STORM WATER–GRATED PIT
- STORM WATER–MANHOLE
- STORM WATER–SUMP
- SEWERAGE– U/G
- STORM WATER–PIPE U/G

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AS 5488 SUI - UG SERVICES CLASSIFICATION

(QL-A) VALIDATED	- DIRECTLY MEASURED TO SERVICE	
(QL-B) TRACED	- ELECTRONICALLY DETECTED SERVICE	
(QL-C) ALIGNED	- SURFACE JOINED SERVICE MARKERS	
(QL-D) COMPILED	- ESTIMATED SERVICE FROM DIAGRAMS	

CERTAINTY / RISK — CLASS: (QL-A), (QL-B), (QL-C), (QL-D)

WARNING

- CLASSIFICATION CHART IS PROVIDED TO INDICATE CERTAINTY OF IDENTIFIED SERVICE SHOWN OR LOCATED·
- REFER TO "AS5488" FOR CLASSIFICATION DEFINITIONS OF SUBSURFACE UTILITY INFORMATION
- SERVICES SHOWN CLASS "QL–B", "QL–C" OR "QL–D" MAY BE INACCURATE IN BOTH VERTICAL AND HORIZONTAL POSITION·
- SERVICES SHOWN: "QL–A++" INCLUDE ABSOLUTE ACCURACY IN HORIZ/VERT +/– 50mm/10mm
- SERVICES SHOWN: "QL–A+" INCLUDE ABSOLUTE ACCURACY OF HORIZ/VERT +/– 50mm/20mm
- SERVICES SHOWN: "QL–A" INCLUDE ABSOLUTE ACCURACY OF HORIZ/VERT +/– 50mm/50mm
- SERVICES SHOWN: "QL–B" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– 300mm/500mm
- SERVICES SHOWN: "QL–C" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– 300mm/ NILL
- SERVICES SHOWN: "QL–D" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– NILL/NILL
- MULTIPLE SERVICES MAY STILL EXIST IN SINGLE TRENCH, THEREFORE, SERVICES SHOWN MAY NOT REFLECT OTHER SERVICES ABOVE OR BELOW·
- SINGLE LINES SHOWN MAY NOT REPRESENT MULTIPLE CONDUITS, PIPES OR CABLES OF SERVICES LOCATED·
- UNKNOWN SERVICES MAY STILL EXIST THAT COULD NOT BE ELECTRONICALLY DETECTED· PLEASE CONSULT SERVICE PROVIDERS DIAGRAMS OR CALL "DIAL–BEFORE–YOU–DIG" SERVICE PROVIDER TO IDENTIFY DUTY OF CARE OBLIGATIONS PRIOR TO ANY EXCAVATION/CONSTRUCTION·

TELSTRA (2) — PHI·0

LINE – DENOTES TRACED ELECTRONICALLY UNDERGROUND SERVICE (QL–B)
POINT – DENOTES TRACED SURVEY POINT AT RL GROUND LEVEL (QL–B)

LINE – DENOTES TRACED ELECTRONICALLY UNDERGROUND SERVICE (QL–B)
POINT – DENOTES TRACED SURVEY POINT AT GROUND LEVEL (QL–B)
POTHOLE – DENOTES VALIDATED SURVEY POINT AT RL TOP–OF–SERVICE (QL–A)

TELSTRA (4) — QL–A++0.40PVC100mm(X2)

LINE – DENOTES EXPOSED & CONFIRMED UNDERGROUND SERVICE (QL–A)
WAE – DENOTES SURVEY CAPTURED WAE AT RL TOP–OF–SERVICE (QL–A) WITH ATTRIBUTE TAG (CLASS/DEPTH/MATERIAL/DIAMETER/QTY)

NOTES:

- INFORMATION ON THIS PLAN IS LIMITED TO THAT REQUESTED BY THE CLIENT, IS INTENDED FOR THE USE OF THE CLIENT AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE·
- BOUNDARY INFORMATION SHOWN IS DETERMINED USING DP11266, DP10771 & DP10560· NO BOUNDARY MARKING HAS BEEN UNDERTAKEN·
- TREES ARE NOT GEOMETRIC FIGURES, AS SUCH, THEIR POSITIONS, SHAPES, SIZES AND HEIGHTS AS DEPICTED BY SYMBOLS ON THIS DRAWING ARE INDICATIVE ONLY· ATTRIBUTE INFORMATION, IF SHOWN TABLED, IS INTENDED FOR THE ASSESSMENT OF THE ACT TREE PROTECTION ACT 2005·
- UNDERGROUND SERVICES HAVE BEEN PART LOCATED BY STEGER & ASSOCIATES· RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR THE LOCATION OF UNDERGROUND SERVICES PRIOR TO DESIGN & CONSTRUCTION·
- ANY UNDERGROUND SERVICE CONNECTION, IF SHOWN, SHOULD BE CONSIDERED DIAGRAMMATIC ONLY EXCEPT FOR VISIBLE FEATURES LOCATED BY SURVEY INCLUDING MARKERS, PLAQUES, PITS, MANHOLES, etc·
- STEGER & ASSOCIATES CANNOT GUARANTEE THAT ALL SERVICES PRESENT HAVE BEEN LOCATED·
- DIMENSIONAL INFORMATION SHOULD NOT BE EXTRACTED FROM DIGITAL ELEMENTS·
- IMAGERY IF SHOWN FROM ACTMapi ©ACT GOVERNMENT·

ORIGINAL ISSUE	SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
	JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS A		SG	JS	JS			16/11/23
B							
C							
D							
E							

Notes:

UNDERLYING SURVEY BY OTHERS
RevA - UPDATED DATA TO GDA2020

Surveyor Registered Under the ACT Surveyors Act 2007

SHEET LEGEND:

1	2	3
4	5	6
7	8	9

DRAWING NUMBER	DRAWING DESCRIPTION
001	Feature Survey
002	Cadastre
003	Stormwater & Sewer
004	Utilities
005	Excavation - Potholes
006	Excavation - Slit trench
007	Survey Control - Vertical
008	Survey Control - Horizontal
009	Triangulation
010	Scanning (Point Clouds)

Prepared By:

STEGER & ASSOCIATES
registered land surveyors

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KAMBAH ACT 2902

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F - (02) 6296 4090

enquiries@steger.com.au
www.steger.com.au

ABN 12 920 463 267

Client:

NH Architecture
Level 7, Cannons House
Flinders Lane
Melbourne 3000

Horizontal Datum: GDA2020
Vertical Datum:
MARK: SR648
LEVEL: RL559.407
SYSTEM: AHD 71
Contour Interval: 0.20m

Title: **STORMWATER & SEWER**

BLOCK: 15 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025
Scale (metres):
Sheet: 0 of 9
Size: A1
Drawing: 23025_003_Rev A.dwg

ORIGINAL ISSUE	SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
	JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS A		SG	JS	JS			16/11/23
B							
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UNDERLYING SURVEY BY OTHERS
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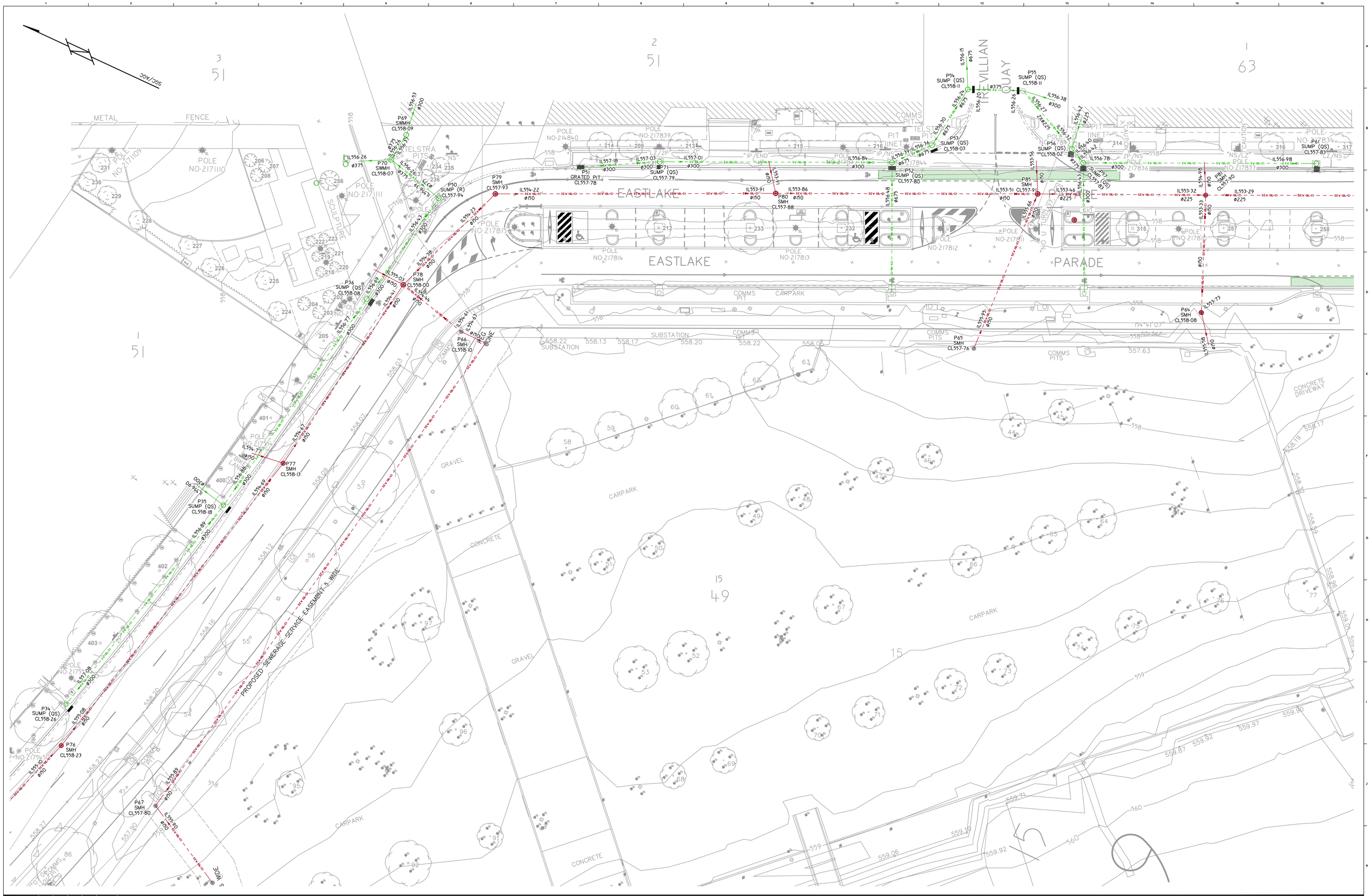
Sheet: 1 of 9 Size: A1 Drawing: 23025_003_Rev A.dwg



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Sheet: 2 of 9
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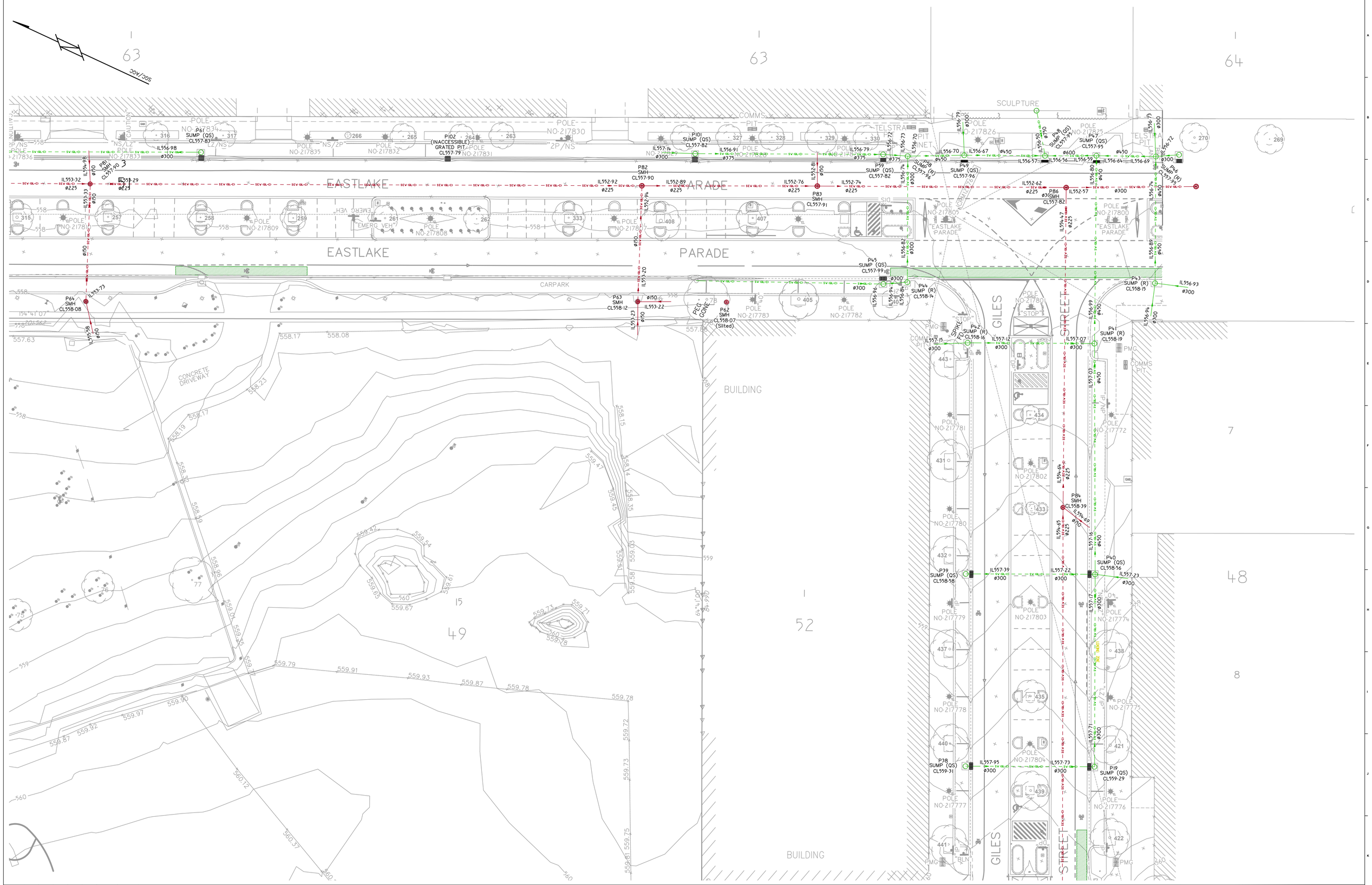
Drawing: 23025_003_Rev A.dwg



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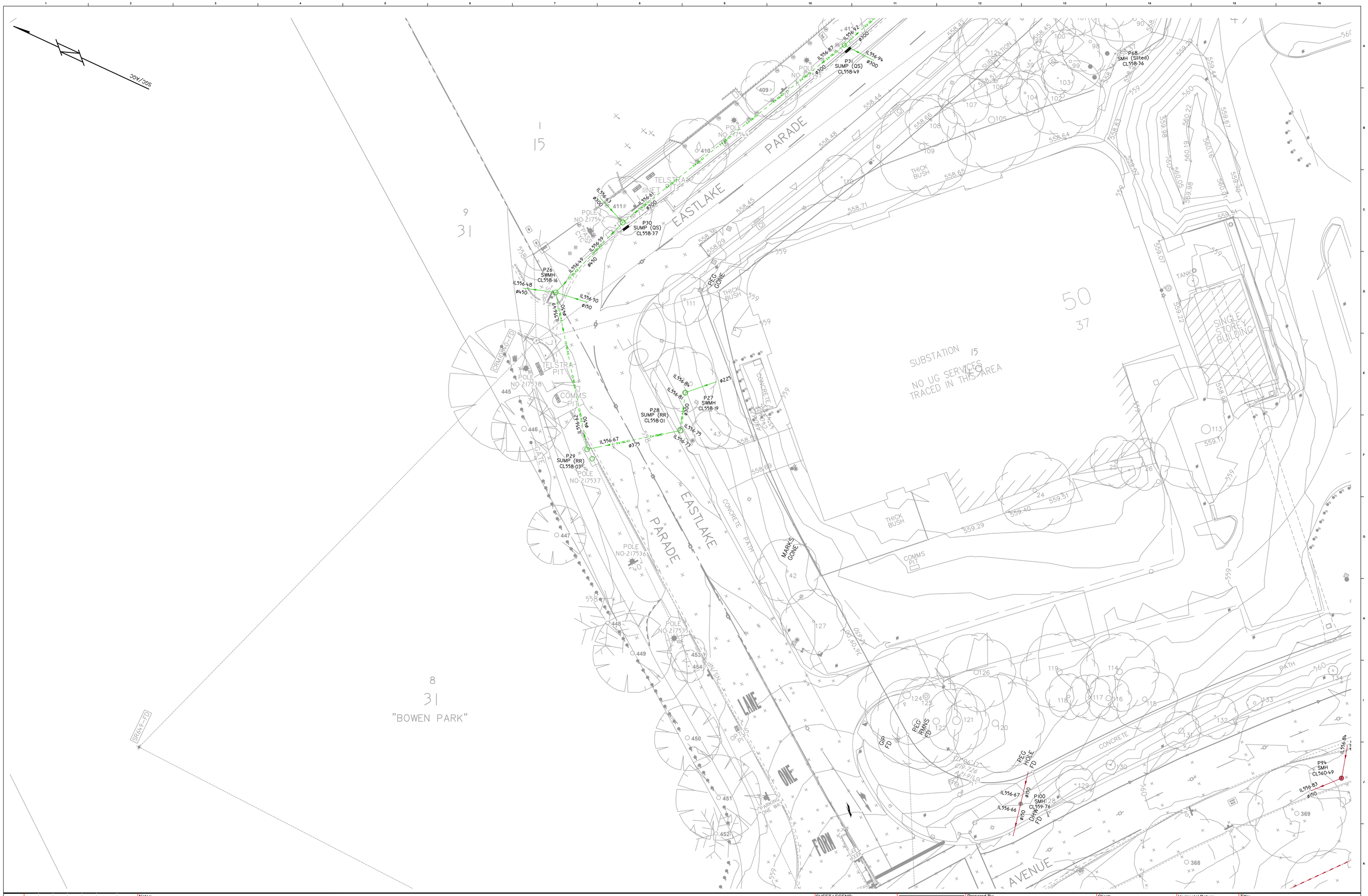

ORIGINAL ISSUE	SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
	JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS A		SG	JS	JS			16/11/23
B							
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Notes:

UNDERLYING SURVEY BY OTHERS
RevA - UPDATED DATA TO GDA2020

SHEET LEGEND:

1	2	3
4	5	6
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DRAWING NUMBER	DRAWING DESCRIPTION
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004	Utilities
005	Excavation - Potholes
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007	Survey Control - Vertical
008	Survey Control - Horizontal
009	Triangulation
010	Scanning (Point Clouds)

Prepared By:

STEGER & ASSOCIATES
registered land surveyors

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ABN 12 920 463 267

Client:

NH Architecture
Level 7, Cannons House
Flinders Lane
Melbourne 3000

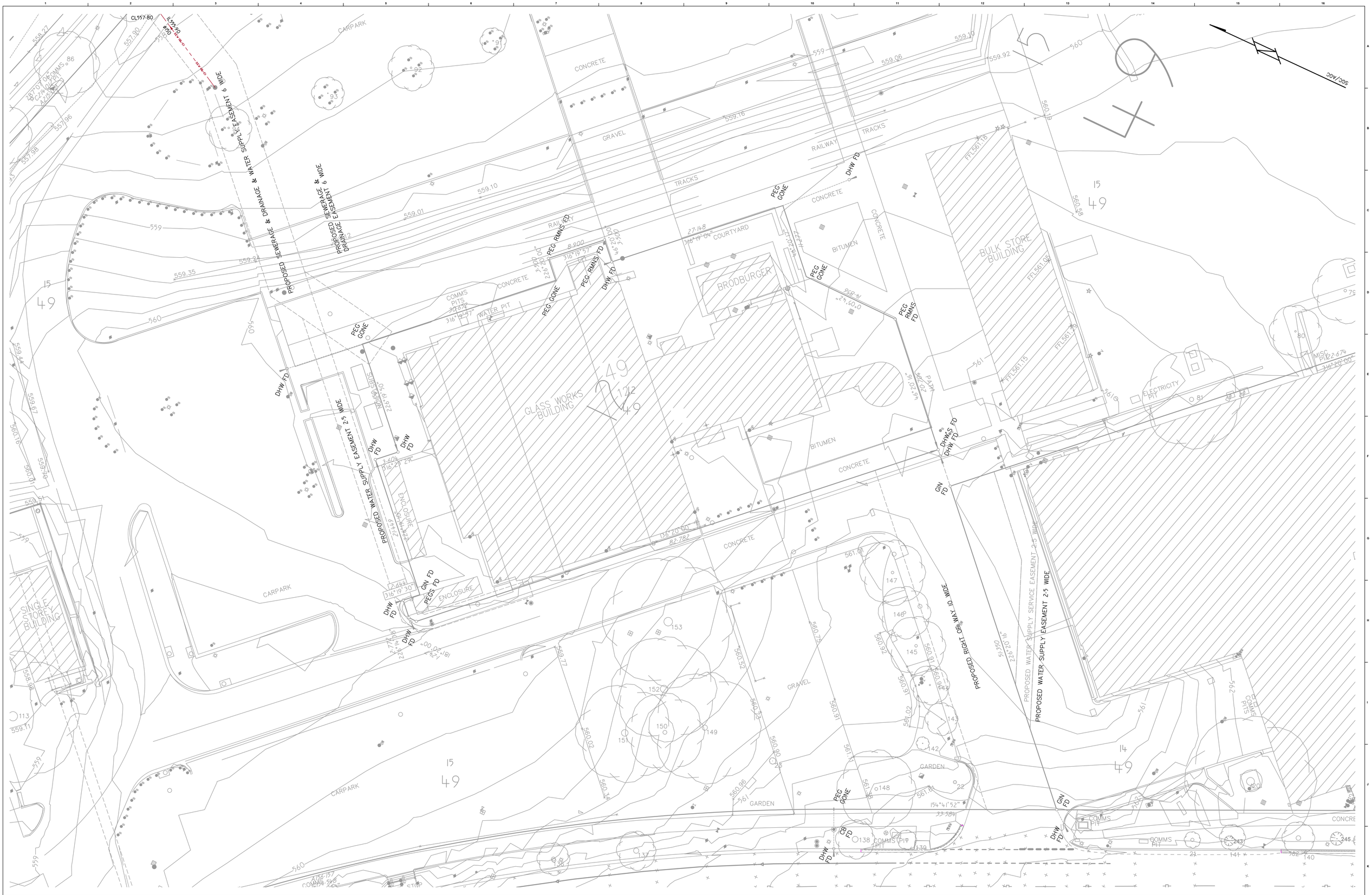
Horizontal Datum: GDA2020
Vertical Datum:
MARK: SR648
LEVEL: RL559.407
SYSTEM: AHD 71
Contour Interval: 0.20m

Title: **STORMWATER & SEWER**

BLOCK: 15 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025
Scale (metres):

Sheet: 4 of 9 | Size: A1 | Drawing: 23025_003_Rev A.dwg



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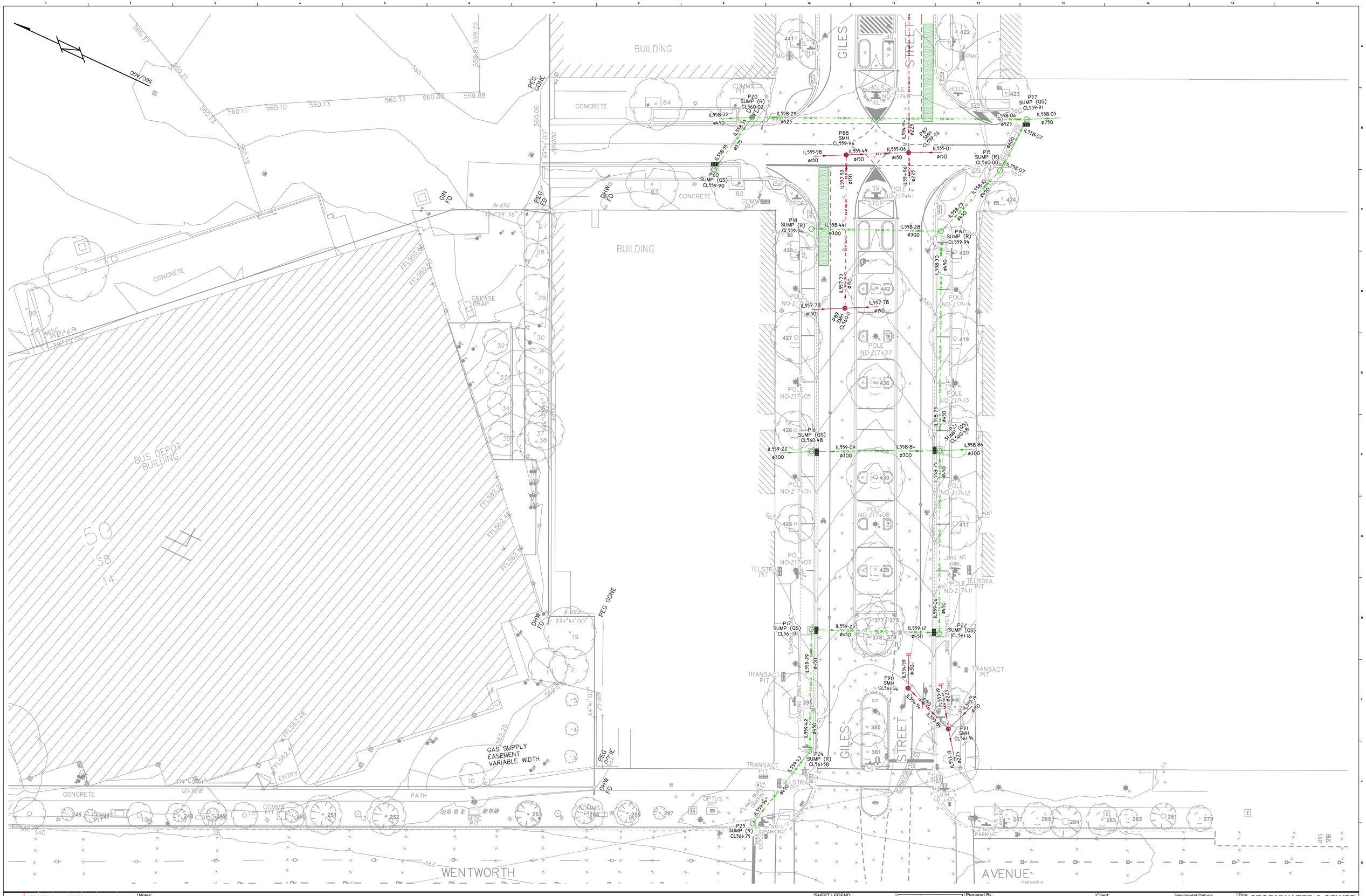

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Scale (metres):
Sheet: 6 of 9
Size: A1
Drawing: 23025_003_Rev A.dwg

SGC/AGC
8
31
"BOWEN PARK"
WENTWORTH
AVENUE
NOSTALGIA
PARADE
EASTLAKE
AVENUE
WENTWORTH
FORM
LANE
TELOPEA
PARK
TRANSACT PIT
UNKNOWN PIT
"TELOPEA PARK"
P103 SMH (SILTED) CL559.59
P7 SUMP (QS) CL559.89
P8 SUMP (QS) CL559.59
P9 SWMH CL559.71
P5 SUMP (QS) CL559.20
P95 SMH CL559.69
P96 SMH CL559.67
P1 SUMP (QS) CL559.65
P2 SUMP (R) CL559.80
P3 SWMH CL559.89
P4 SUMP (QS) CL559.93
IL556.66
CL559.76
IL558.72
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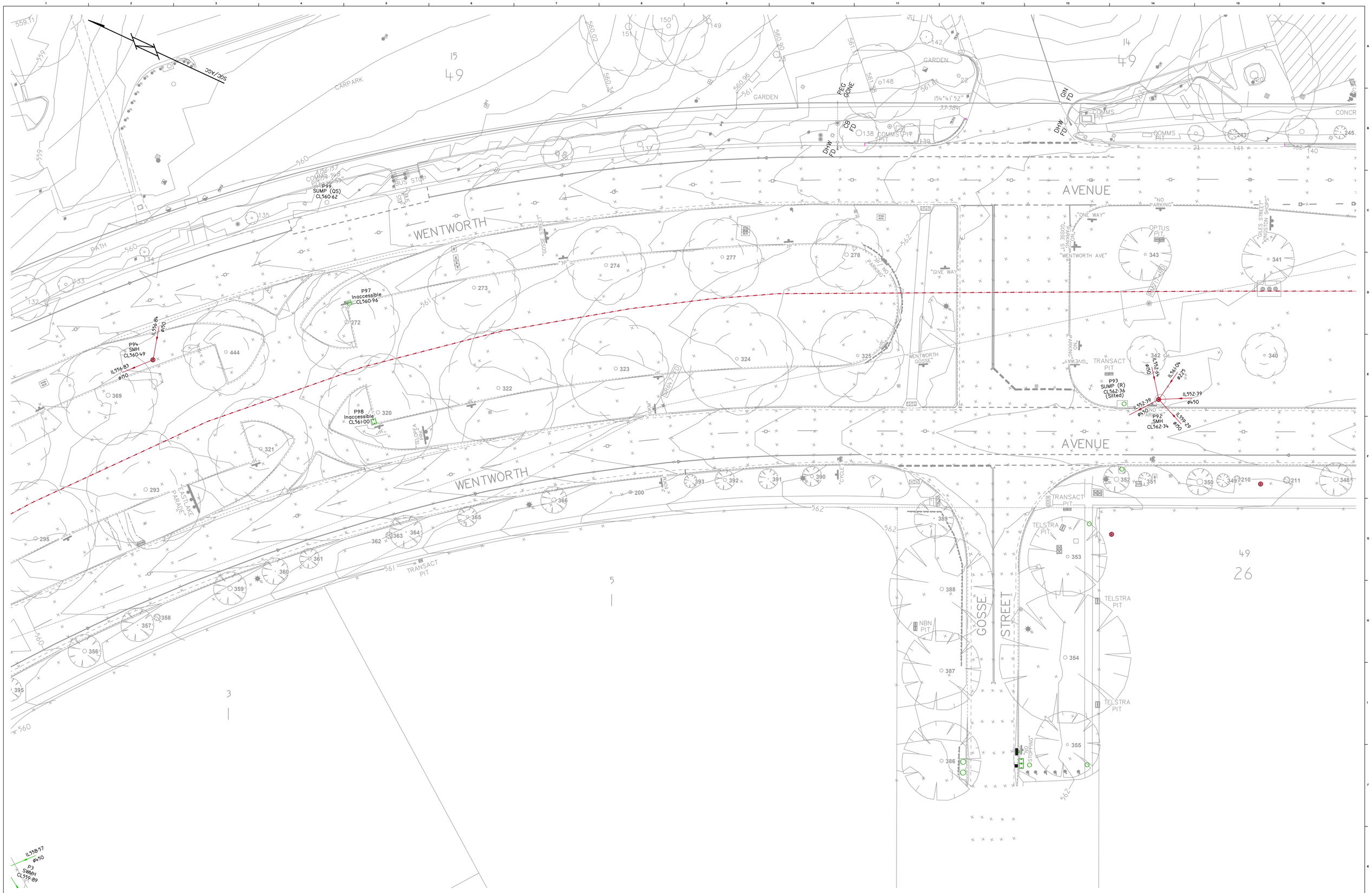

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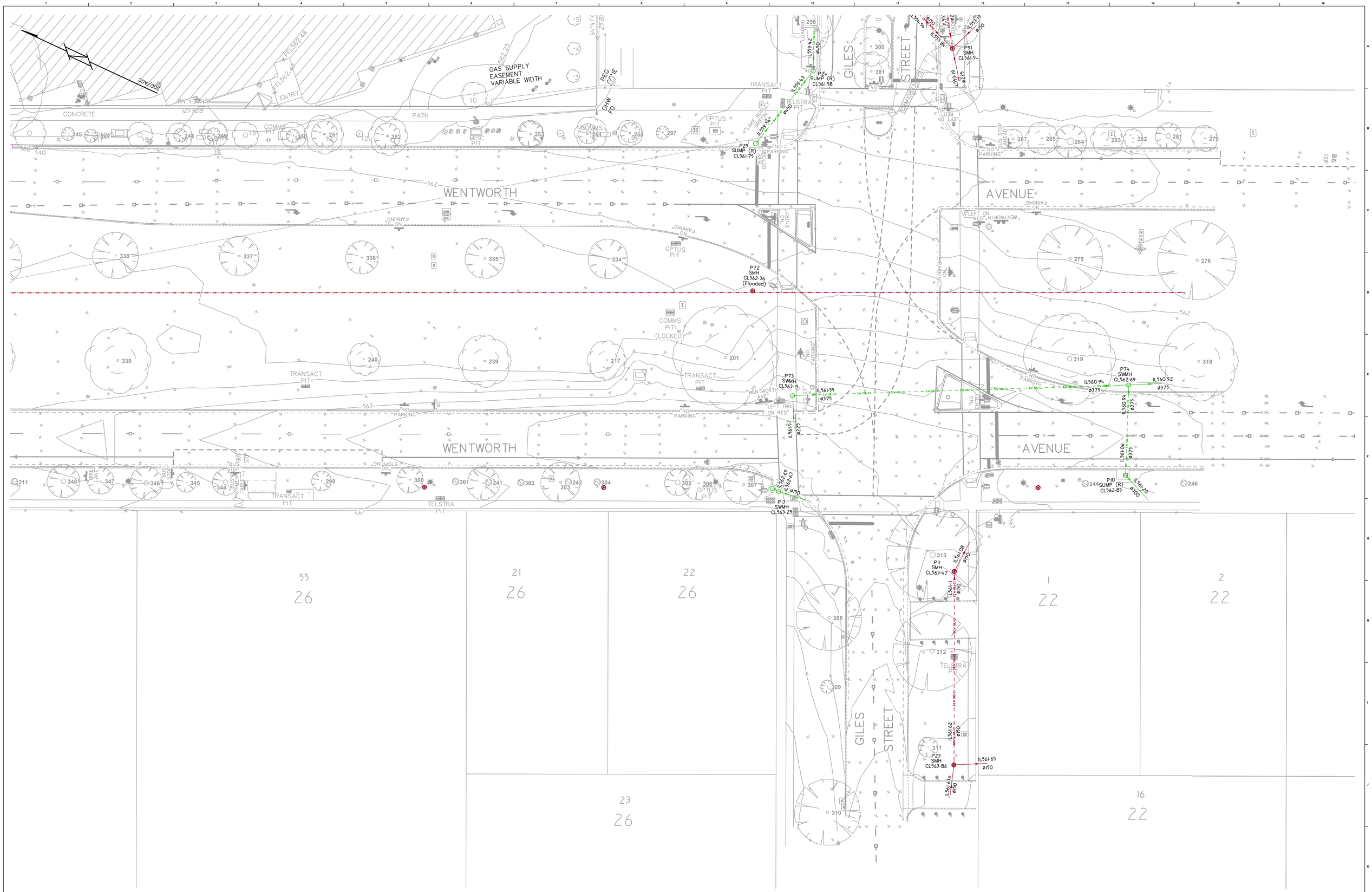

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Drawing: 23025_003_Rev A.dwg

14.0 Survey Information

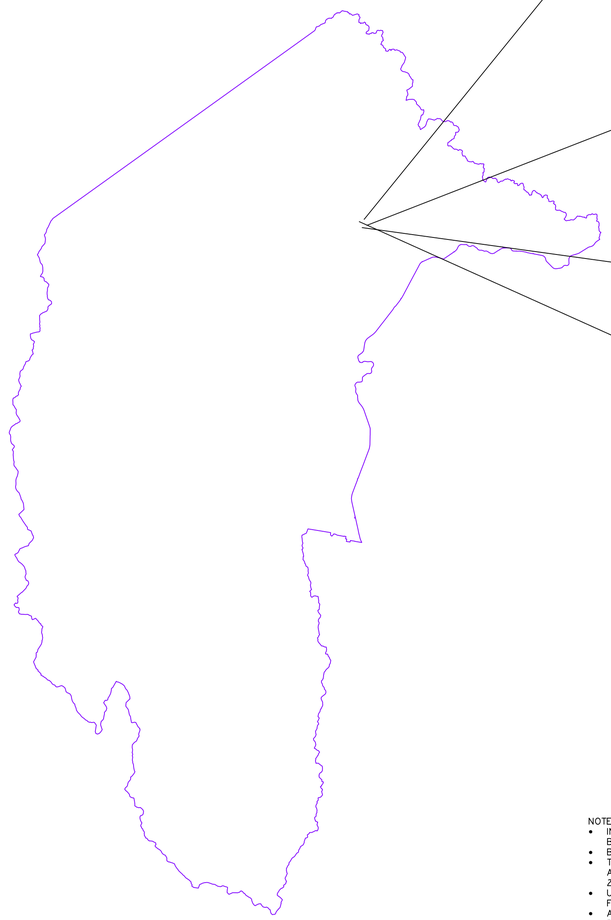
14.1 Hydraulics Report

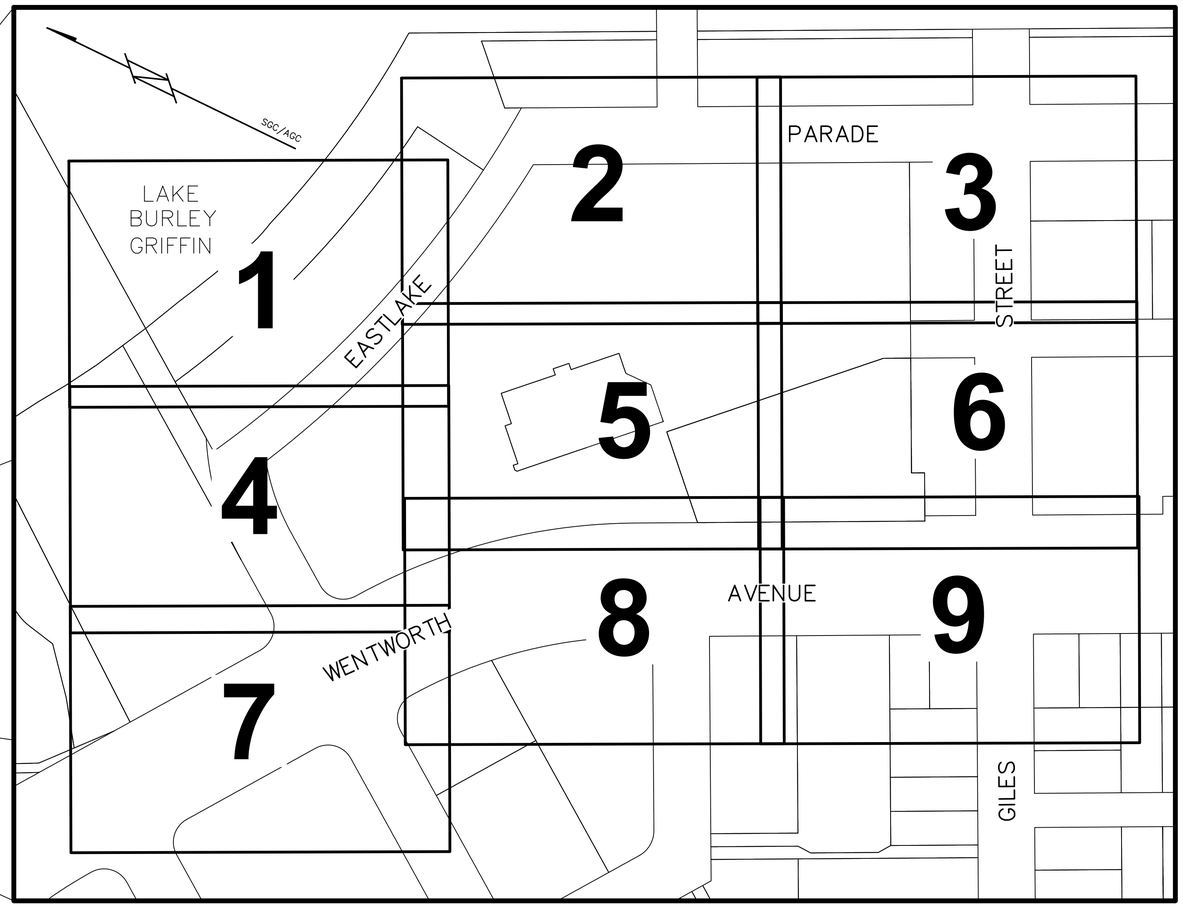
14.2 Feature Survey

14.3 Stormwater & Sewer Network

14.4 Utilities

KINGSTON ARTS PRECINCT
UTILITIES





LOCALITY
NOT TO SCALE

LEGEND

— — — IINET (QL-B) —	COMMUNICATION IINET LINE U/G (B)
— — — OPTUS (QL-B) —	COMMUNICATION OPTUS LINE U/G (B)
— — — TELSTRA (B) —	COMMUNICATION TELSTRA LINE U/G (B)
— — — ELEC (QL-B) —	ELECTRICITY–LINE U/G (QL–B)
— — — GAS (QL-B) —	GAS–LINE U/G (QL–B)
— — — WS (B) —	WATER SERVICE–PIPE U/G (B)

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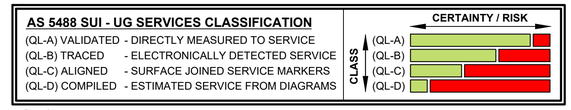
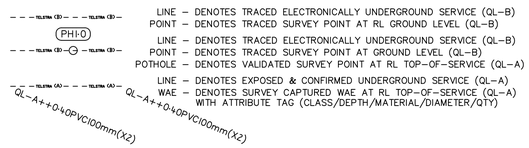
AS 5488 SUI - UG SERVICES CLASSIFICATION

(QL-A) VALIDATED	- DIRECTLY MEASURED TO SERVICE
(QL-B) TRACED	- ELECTRONICALLY DETECTED SERVICE
(QL-C) ALIGNED	- SURFACE JOINED SERVICE MARKERS
(QL-D) COMPILED	- ESTIMATED SERVICE FROM DIAGRAMS



NOTES:
- INFORMATION ON THIS PLAN IS LIMITED TO THAT REQUESTED BY THE CLIENT, IS INTENDED FOR THE USE OF THE CLIENT AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE·
- BOUNDARY INFORMATION SHOWN IS DETERMINED USING DP11266, DP10771, DP10560· NO BOUNDARY MARKING HAS BEEN UNDERTAKEN·
- TREES ARE NOT GEOMETRIC FIGURES, AS SUCH, THEIR POSITIONS, SHAPES, SIZES AND HEIGHTS AS DEPICTED BY SYMBOLS ON THIS DRAWING ARE INDICATIVE ONLY· ATTRIBUTE INFORMATION, IF SHOWN TABLED, IS INTENDED FOR THE ASSESSMENT OF THE ACT TREE PROTECTION ACT 2005·
- UNDERGROUND SERVICES HAVE BEEN PART LOCATED LOCATED BY STEGER & ASSOCIATES· RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR THE LOCATION OF UNDERGROUND SERVICES PRIOR TO DESIGN & CONSTRUCTION·
- ANY UNDERGROUND SERVICE CONNECTION, IF SHOWN, SHOULD BE CONSIDERED DIAGRAMMATIC ONLY EXCEPT FOR VISIBLE FEATURES LOCATED BY SURVEY INCLUDING MARKERS, PLAQUES, PITS, MANHOLES, etc·
- STEGER & ASSOCIATES CANNOT GUARANTEE THAT ALL SERVICES PRESENT HAVE BEEN LOCATED·
- DIMENSIONAL INFORMATION SHOULD NOT BE EXTRACTED FROM DIGITAL ELEMENTS·
- IMAGERY IF SHOWN FROM ACTMapi ©ACT GOVERNMENT·

WARNING
- CLASSIFICATION CHART IS PROVIDED TO INDICATE CERTAINTY OF IDENTIFIED SERVICE SHOWN OR LOCATED·
- REFER TO "AS5488" FOR CLASSIFICATION DEFINITIONS OF SUBSURFACE UTILITY INFORMATION
- SERVICES SHOWN CLASS "QL–B", "QL–C" OR "QL–D" MAY BE INACCURATE IN BOTH VERTICAL AND HORIZONTAL POSITION·
- SERVICES SHOWN: "QL–A++" INCLUDE ABSOLUTE ACCURACY IN HORIZ/VERT +/– 50mm/10mm
- SERVICES SHOWN: "QL–A+" INCLUDE ABSOLUTE ACCURACY OF HORIZ/VERT +/– 50mm/20mm
- SERVICES SHOWN: "QL–A" INCLUDE ABSOLUTE ACCURACY OF HORIZ/VERT +/– 50mm/50mm
- SERVICES SHOWN: "QL–B" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– 300mm/500mm
- SERVICES SHOWN: "QL–C" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– 300mm/ NILL
- SERVICES SHOWN: "QL–D" INCLUDE RELATIVE ACCURACY OF HORIZ/VERT +/– NILL/NILL
- MULTIPLE SERVICES MAY STILL EXIST IN SINGLE TRENCH, THEREFORE, SERVICES SHOWN MAY NOT REFLECT OTHER SERVICES ABOVE OR BELOW·
- SINGLE LINES SHOWN MAY NOT REPRESENT MULTIPLE CONDUITS, PIPES OR CABLES OF SERVICES LOCATED·
- UNKNOWN SERVICES MAY STILL EXIST THAT COULD NOT BE ELECTRONICALLY DETECTED· PLEASE CONSULT SERVICE PROVIDERS DIAGRAMS OR CALL "DIAL–BEFORE–YOU–DIG" SERVICE PROVIDER TO IDENTIFY DUTY OF CARE OBLIGATIONS PRIOR TO ANY EXCAVATION/CONSTRUCTION·



LINE – DENOTES TRACED ELECTRONICALLY UNDERGROUND SERVICE (QL–B)
POINT – DENOTES TRACED SURVEY POINT AT RL GROUND LEVEL (QL–B)
LINE – DENOTES TRACED ELECTRONICALLY UNDERGROUND SERVICE (QL–B)
POINT – DENOTES TRACED SURVEY POINT AT GROUND LEVEL (QL–B)
POTHOLE – DENOTES VALIDATED SURVEY POINT AT RL TOP–OF–SERVICE (QL–A)
LINE – DENOTES EXPOSED & CONFIRMED UNDERGROUND SERVICE (QL–A)
WAE – DENOTES SURVEY CAPTURED WAE AT RL TOP–OF–SERVICE (QL–A) WITH ATTRIBUTE TAG (CLASS/DEPTH/MATERIAL/DIAMETER/QTY)

Surveyor Registered Under
the ACT Surveyors Act 2007

		SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
ORIGINAL ISSUE		JS	SG	JS	JS		29/08/23	01/09/23
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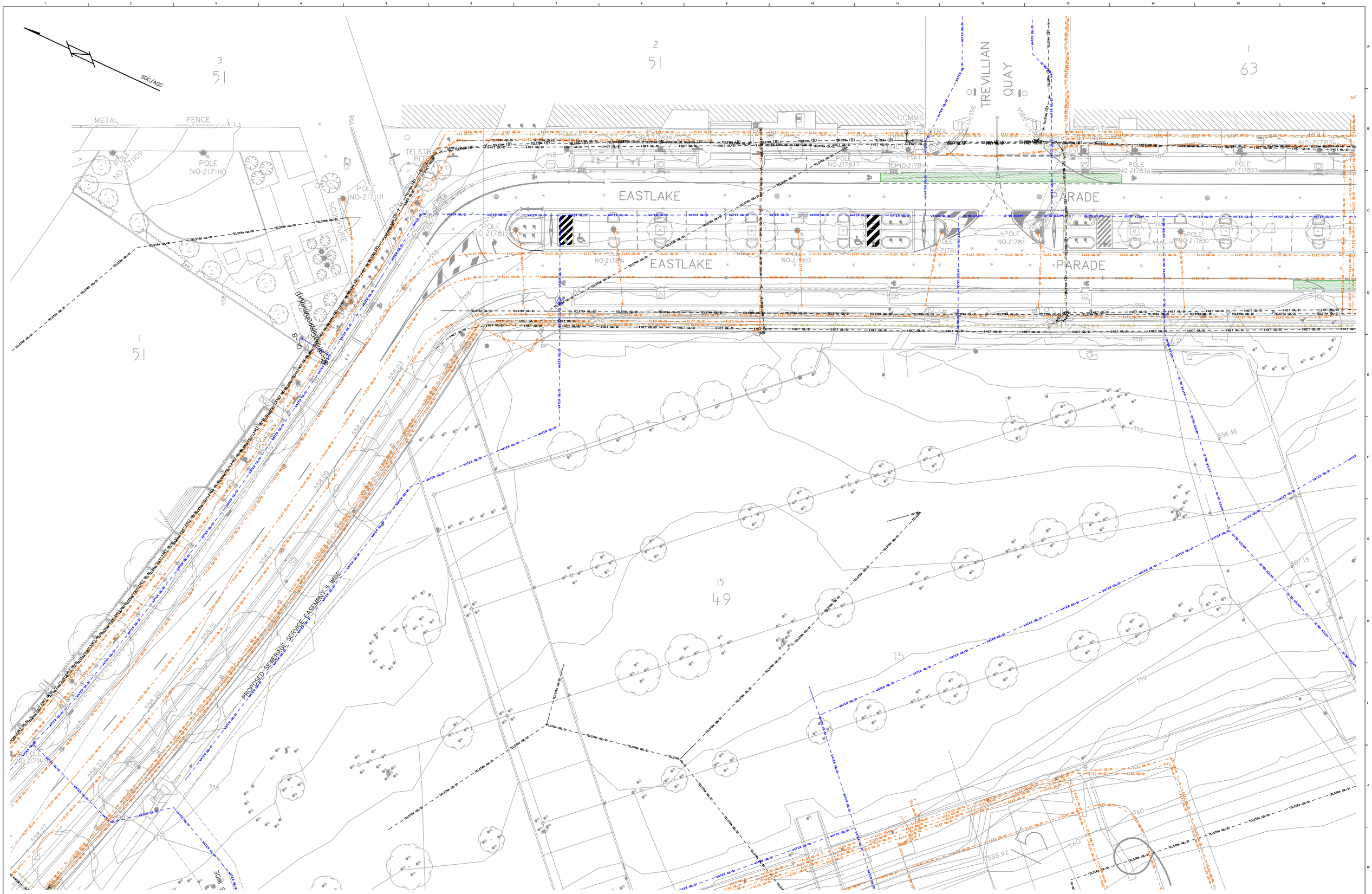
BLOCK: 1 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL
Job: 23025
Scale (metres):
Sheet: 0 of 10 Size: A1 Drawing: 23025_004_Rev A.dwg



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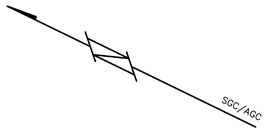

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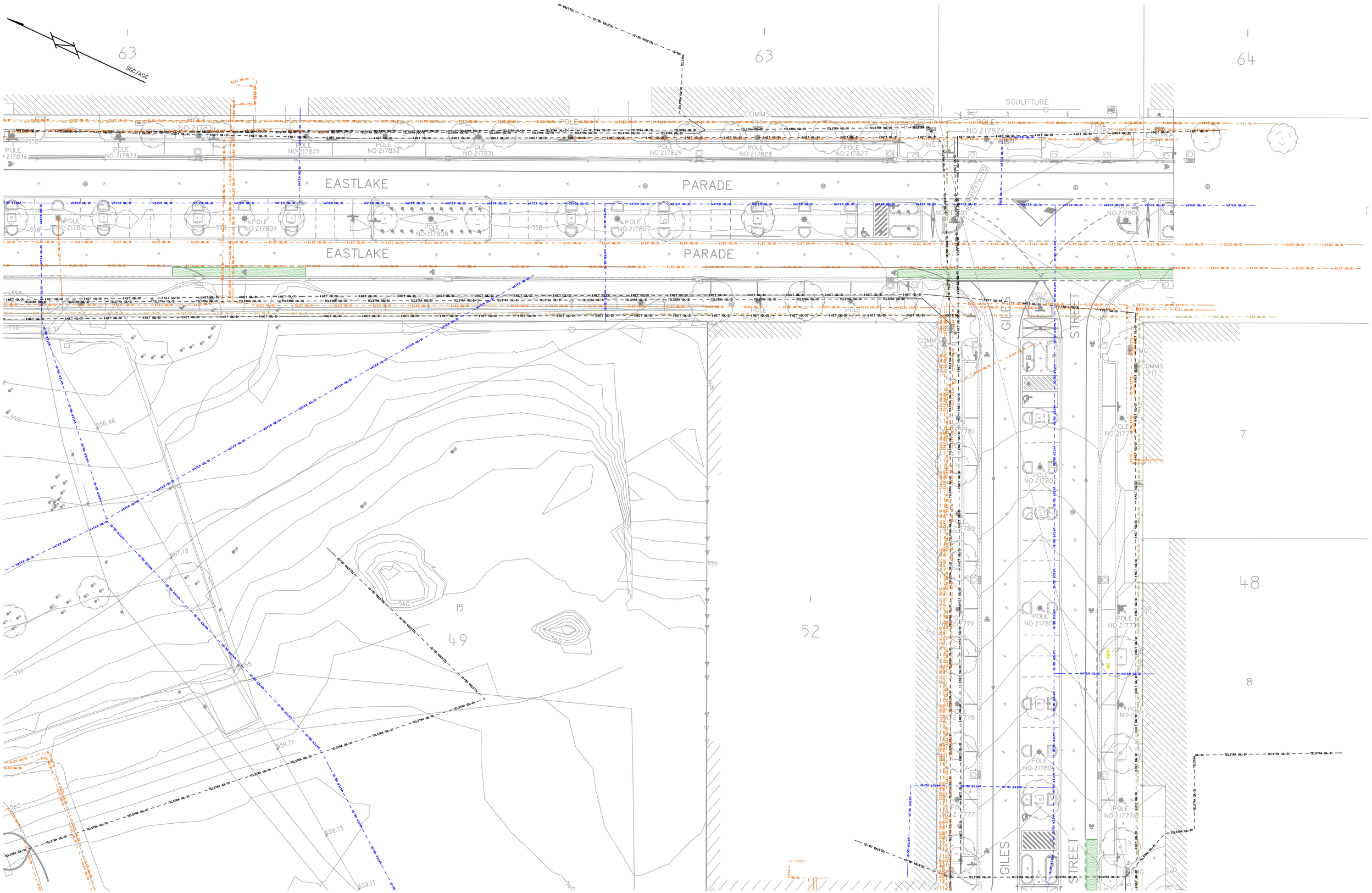

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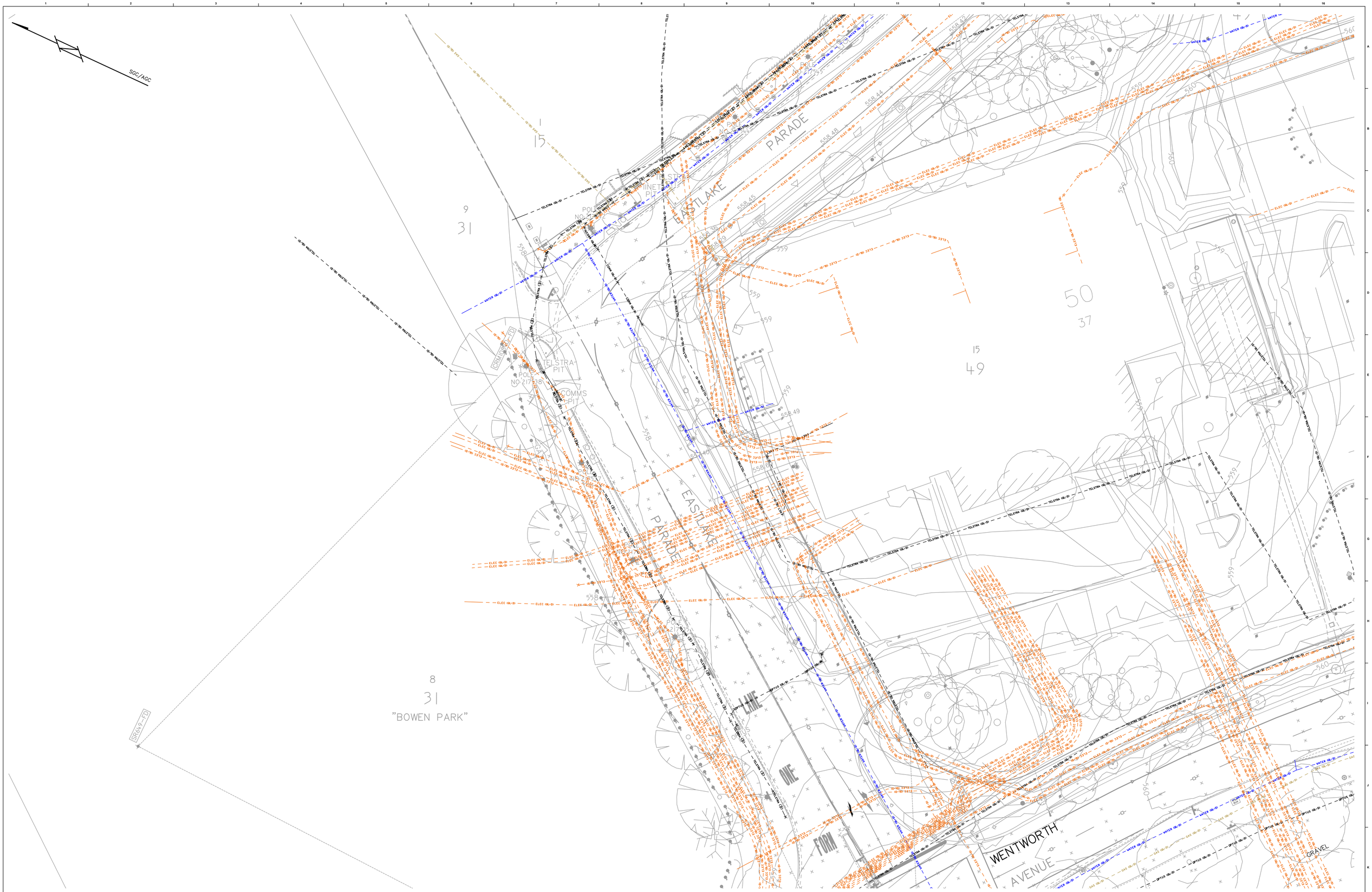
Job: 23025

Scale (metres):

Sheet: 3 of 10 Size: A1 Drawing: 23025_004_Rev A.dwg



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ORIGINAL ISSUE		JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS	A		SG	JS	JS			16/11/23
	B							
	C							
	D							
	E							

Notes:

UNDERLYING SURVEY BY OTHERS
RevA - UPDATED DATA TO GDA2020

SHEET LEGEND:

1	2	3
4	5	6
7	8	9

DRAWING NUMBER	DRAWING DESCRIPTION
001	Feature Survey
002	Cadastre
003	Stormwater & Sewer
004	Utilities
005	Excavation - Potholes
006	Excavation - Slit trench
007	Survey Control - Vertical
008	Survey Control - Horizontal
009	Triangulation
010	Scanning (Point Clouds)

Prepared By:

STEGER & ASSOCIATES
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ABN 12 920 463 267

Client:

NH Architecture

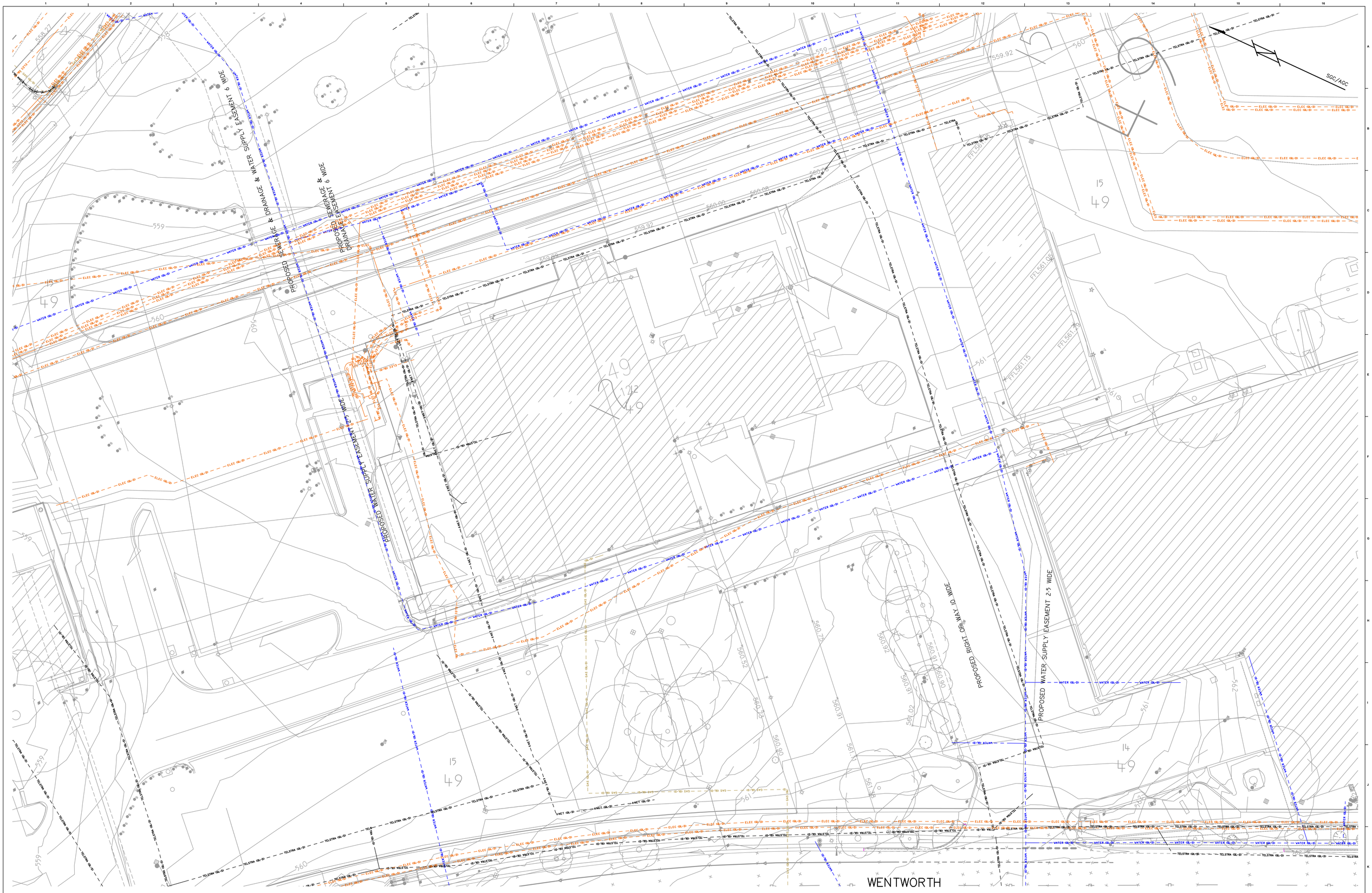
Level 7, Cannons House
12-20 Flinders Lane
Melbourne 3000

Horizontal Datum: GDA2020
Vertical Datum:
MARK: SR648
LEVEL: RL559.407
SYSTEM: AHD 71
Contour Interval: 0.20m

Title: **UTILITIES**

BLOCK: 1 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025
Scale (metres):
Sheet: 4 of 10
Size: A1
Drawing: 23025_004_Rev A.dwg



ORIGINAL ISSUE	SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
	JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS A		SG	JS	JS			16/11/23
B							
C							
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SHEET LEGEND:

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DRAWING NUMBER	DRAWING DESCRIPTION
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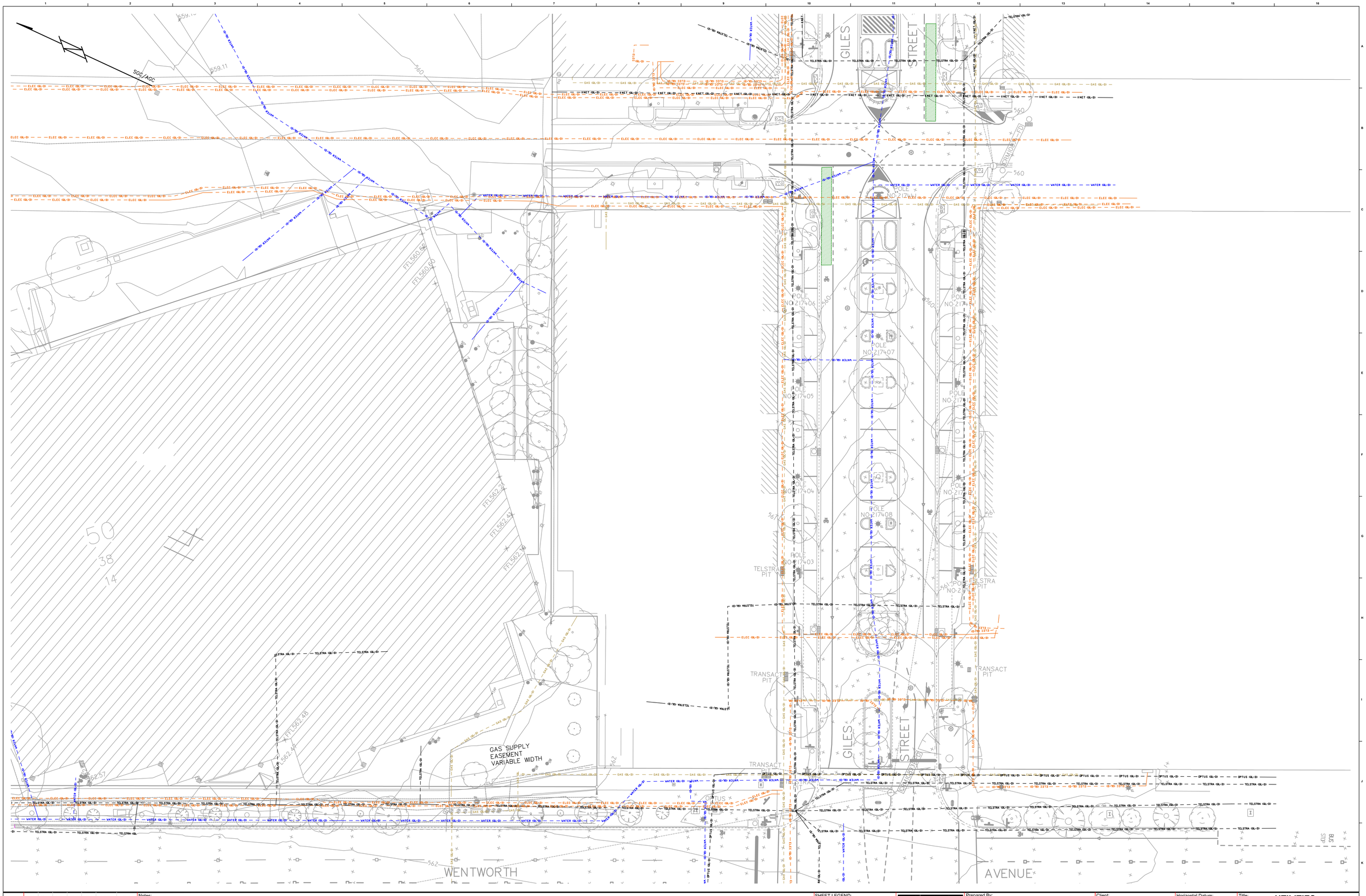
Title:

UTILITIES

BLOCK: 1 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025
Scale (metres):
Sheet: 5 of 10
Size: A1
Drawing: 23025_004_Rev A.dwg



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ORIGINAL ISSUE		JS	SG	JS	JS		29/08/23	01/09/23
AMENDMENTS	A		SG	JS	JS			16/11/23
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RevA - UPDATED DATA TO GDA2020

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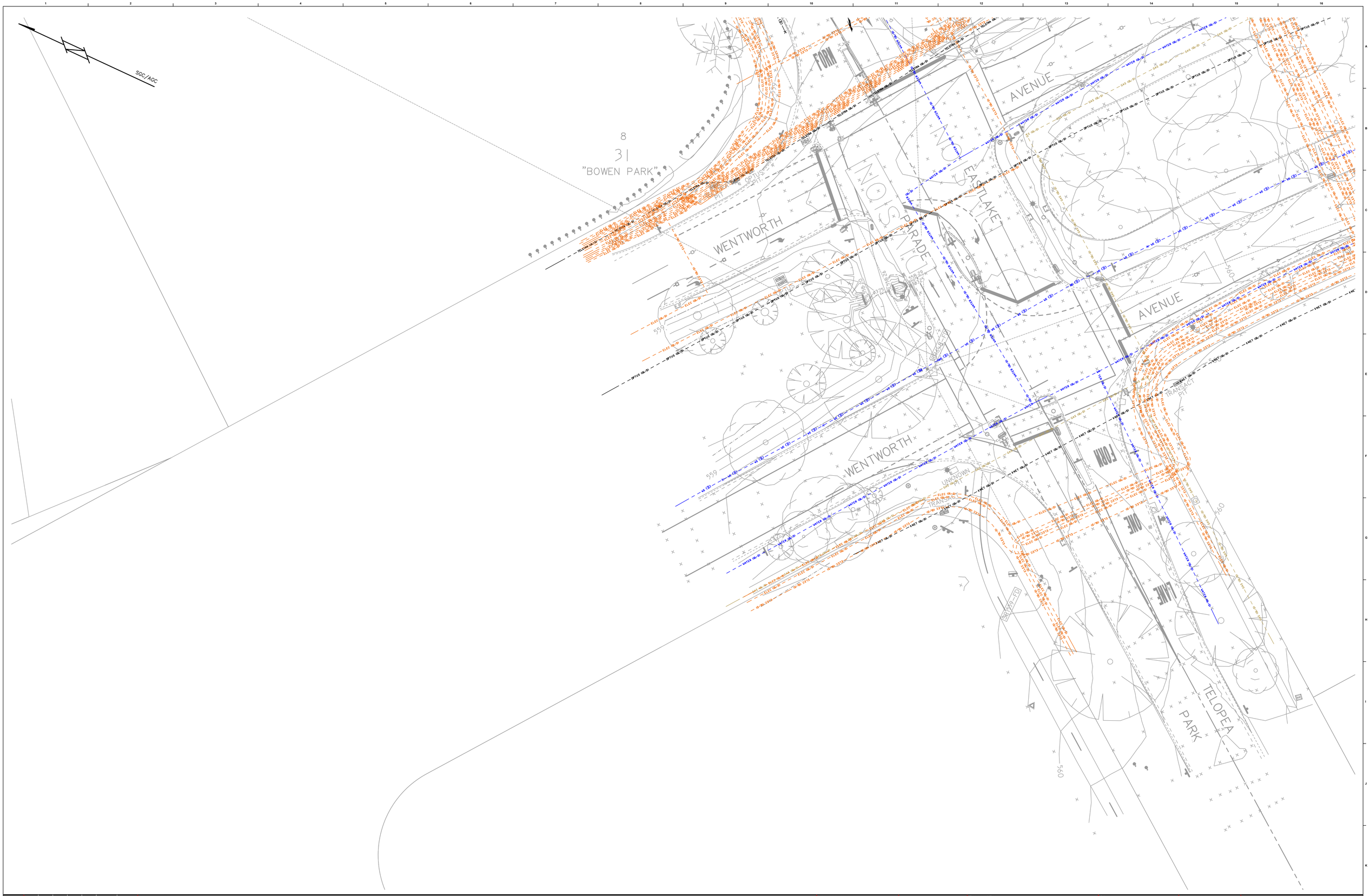
Title: **UTILITIES**
BLOCK: 1 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025
Scale (metres):
Sheet: 6 of 10
Size: A1
Drawing: 23025_004_Rev A.dwg



ORIGINAL ISSUE	SURVEY	DRAWN	CHECK	APPROVED	ZONE	SURVEY	ISSUE
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AMENDMENTS A		SG	JS	JS			16/11/23
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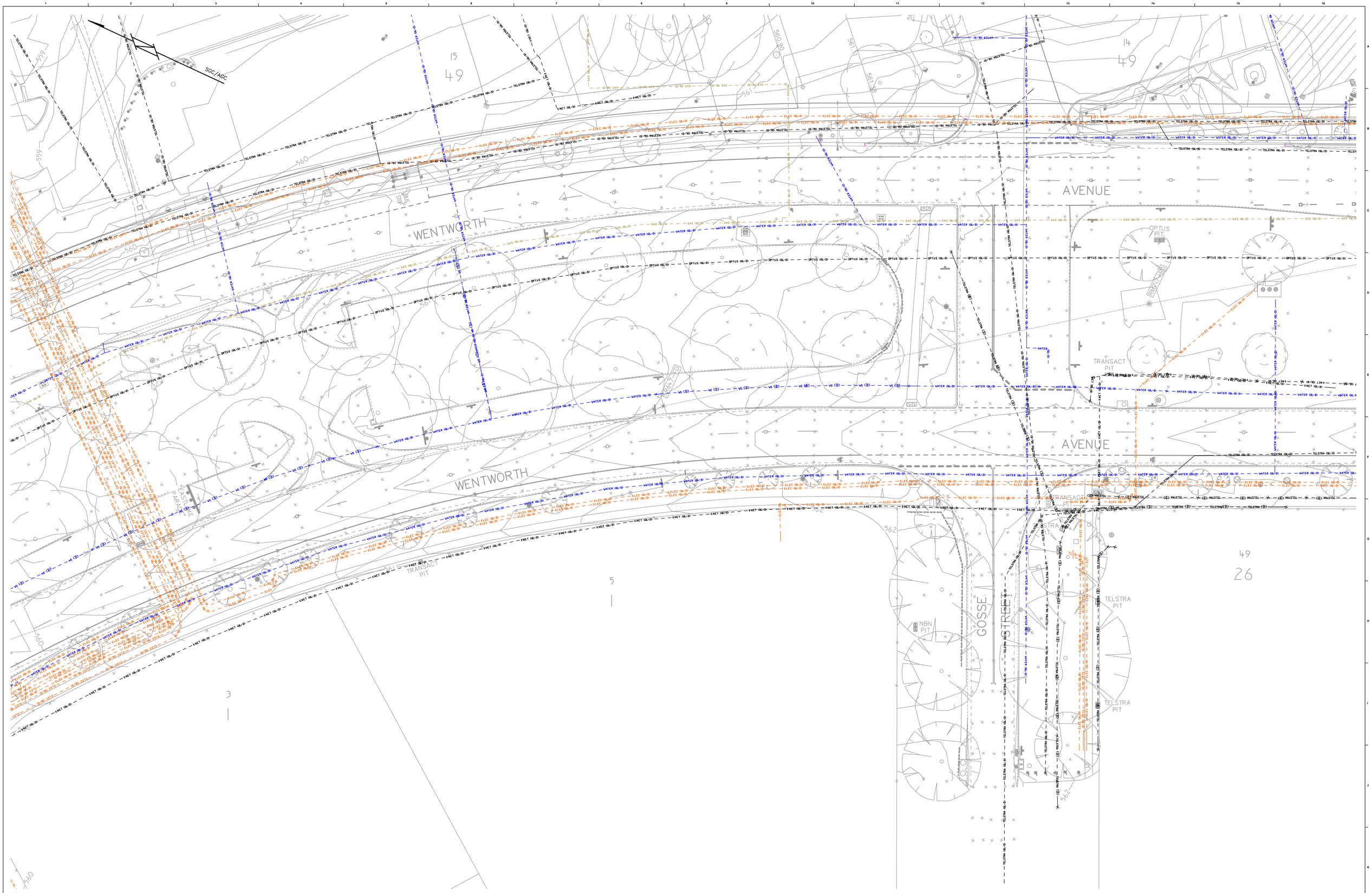
BLOCK: 1 **SECTION:** 49
DIVISION: KINGSTON
DISTRICT: CANBERRA CENTRAL

Job: 23025
Scale (metres):
Sheet: 7 of 10
Size: A1
Drawing: 23025_004_Rev A.dwg



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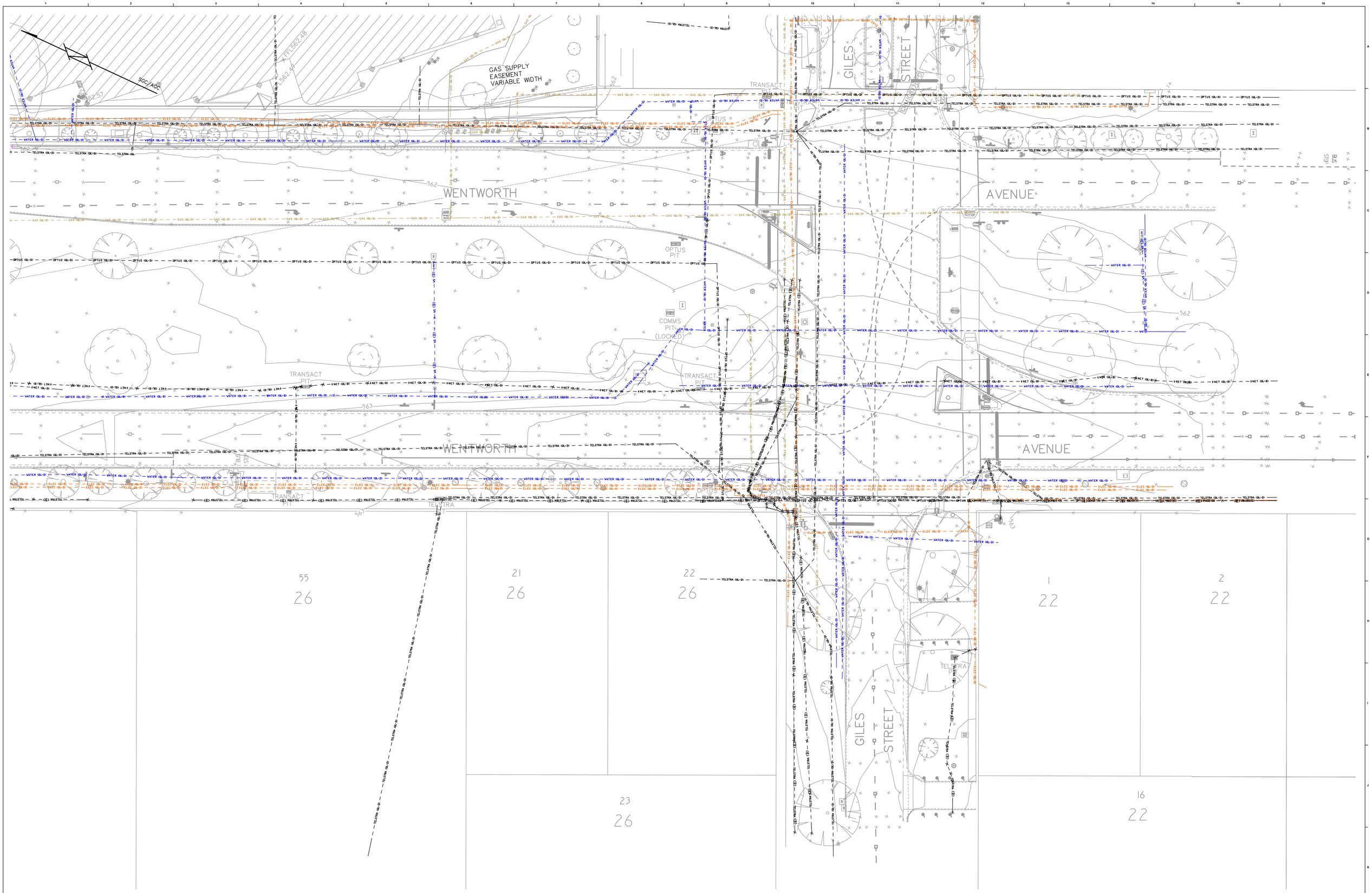
Job: 23025
Scale (metres):
Sheet: 8 of 10
Size: A1
Drawing: 23025_004_Rev A.dwg



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AMENDMENTS

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Scale (metres):
Sheet: 9 of 10
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