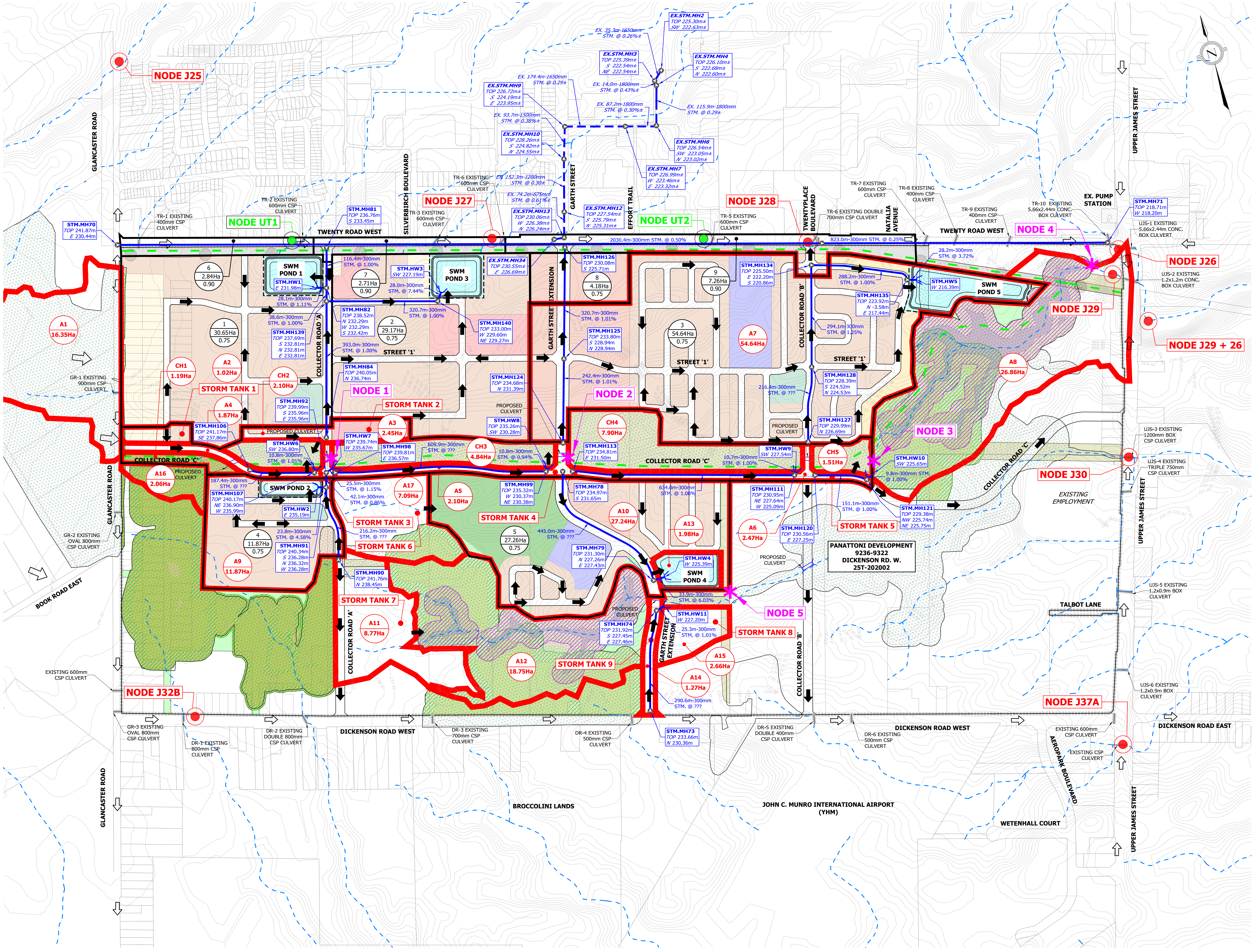
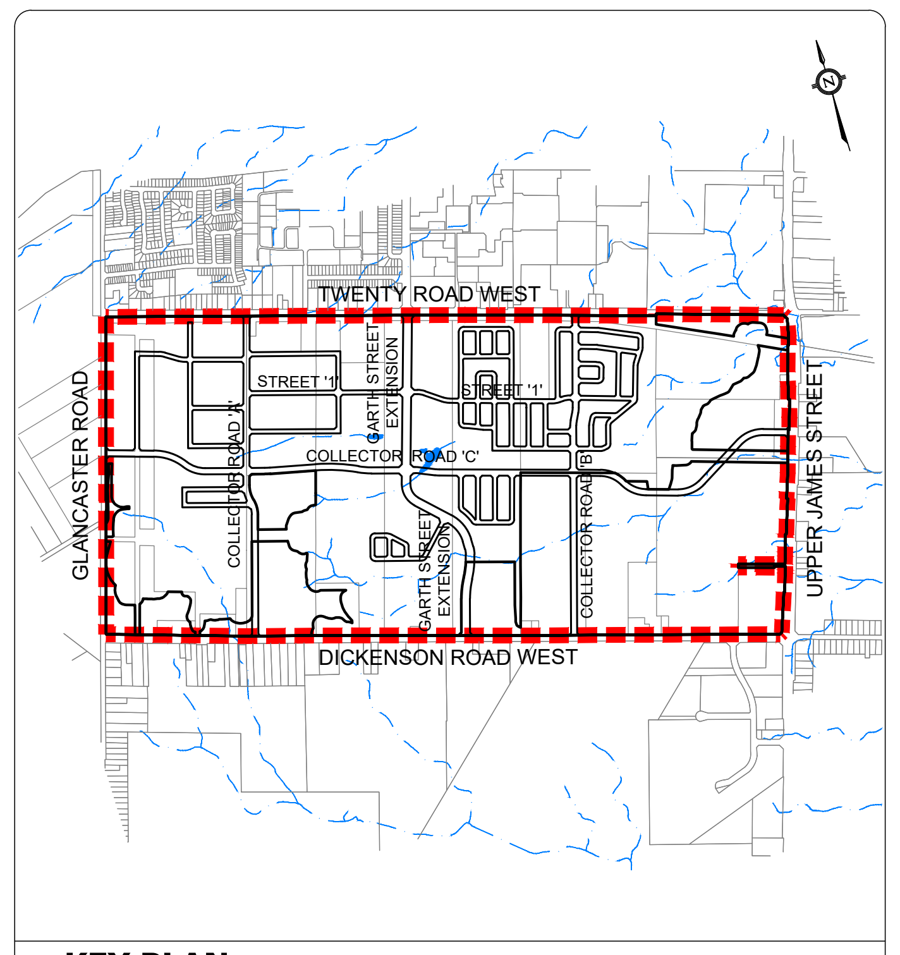

NODE J25
GLANCASTER ROAD
SILVERBIRCH BOULEVARD
GARTH STREET
EFFORT TRAIL
TWENTYPLACE BOULEVARD
NATALIA AVENUE
UPPER JAMES STREET
TWENTY ROAD WEST
NODE J27
NODE J28
NODE UT1
NODE UT2
NODE 4
NODE J26
NODE J29
NODE J29 + 26
EX. PUMP STATION
EX.STM.MH2 TOP 225.30m± SW 222.63m±
EX. 35.3m-1650mm STM. @ 0.26%±
EX.STM.MH3 TOP 225.39m± S 222.54m± NE 222.54m±
EX.STM.MH4 TOP 226.10m± S 222.68m± N 222.60m±
EX. 174.4m-1650mm STM. @ 0.29±
EX.STM.MH9 TOP 226.72m± S 224.19m± E 223.95m±
EX. 14.0m-1800mm STM. @ 0.43%±
EX. 87.2m-1800mm STM. @ 0.30%±
EX. 115.9m-1800mm STM. @ 0.29±
EX. 93.7m-1500mm STM. @ 0.38%±
EX.STM.MH10 TOP 228.26m± S 224.82m± N 224.55m±
EX.STM.MH6 TOP 226.54m± SW 223.05m± N 223.02m±
EX.STM.MH7 TOP 226.99m± W 223.46m± E 223.32m±
EX. 152.3m-1200mm STM. @ 0.30±
EX. 74.2m-675mm STM. @ 0.61%±
EX.STM.MH13 TOP 230.06m± W 226.38m± N 226.24m±
EX.STM.MH12 TOP 227.54m± S 225.79m± N 225.31m±
EX.STM.MH34 TOP 230.55m± E 226.69m±
TR-1 EXISTING 400mm CSP CULVERT
TR-2 EXISTING 600mm CSP CULVERT
TR-3 EXISTING 600mm CSP CULVERT
TR-6 EXISTING 600mm CSP CULVERT
TR-5 EXISTING 600mm CSP CULVERT
TR-6 EXISTING DOUBLE 700mm CSP CULVERT
TR-7 EXISTING 600mm CSP CULVERT
TR-8 EXISTING 400mm CSP CULVERT
TR-9 EXISTING 400mm CSP CULVERT
TR-10 EXISTING 5.66x2.44m CONC. BOX CULVERT
STM.MH70 TOP 241.87m E 230.44m
STM.MH81 TOP 236.76m S 233.45m
STM.MH71 TOP 218.71m W 218.20m
2030.4m-300mm STM. @ 0.50%
823.0m-300mm STM. @ 0.25%
28.2m-300mm STM. @ 3.72%
UJS-1 EXISTING 5.66x2.44m CONC. BOX CULVERT
UJS-2 EXISTING 1.2x1.2m CONC. BOX CULVERT
SWM POND 1
STM.HW1 E 231.98m
SWM POND 3
STM.HW3 SW 227.19m
SWM POND 5
STM.HW5 W 216.39m
6 2.84Ha 0.90
7 2.71Ha 0.90
116.4m-300mm STM. @ 1.00%
28.0m-300mm STM. @ 7.44%
28.1m-300mm STM. @ 1.11%
38.6m-300mm STM. @ 1.00%
320.7m-300mm STM. @ 1.00%
STM.MH82 TOP 238.52m N 232.29m W 232.29m S 232.42m
STM.MH139 TOP 237.69m S 232.81m N 232.81m E 232.81m
1 30.65Ha 0.75
2 29.17Ha 0.75
STM.MH140 TOP 233.00m W 229.60m NE 229.27m
393.0m-300mm STM. @ 1.00%
STREET '1'
COLLECTOR ROAD 'A'
STM.MH84 TOP 240.05m N 236.74m
A1 16.35Ha
GR-1 EXISTING 900mm CSP CULVERT
CH1 1.19Ha
A2 1.02Ha
CH2 2.10Ha
STORM TANK 1
A4 1.87Ha
STM.MH92 TOP 239.99m S 235.96m E 235.96m
NODE 1
STORM TANK 2
A3 2.45Ha
STM.MH106 TOP 241.17m SE 237.86m
PROPOSED CULVERT
STM.HW6 SW 236.80m
10.8m-300mm STM. @ 1.01%
STM.HW7 TOP 239.74m W 235.67m
STM.MH98 TOP 239.81m E 236.57m
609.9m-300mm STM. @ ???
COLLECTOR ROAD 'C'
A16 2.06Ha
PROPOSED CULVERT
187.4m-300mm STM. @ ???
SWM POND 2
STM.MH107 TOP 240.17m NE 236.90m W 235.99m
STM.HW2 E 235.19m
25.5m-300mm STM. @ 1.15%
42.1m-300mm STM. @ 0.86%
A17 7.09Ha
A5 2.10Ha
STORM TANK 3
23.8m-300mm STM. @ 4.58%
4 11.87Ha 0.75
STM.MH91 TOP 240.34m S 236.28m N 236.32m W 236.28m
216.2m-300mm STM. @ ???
STORM TANK 6
A9 11.87Ha
STM.MH90 TOP 241.76m N 238.45m
STORM TANK 7
A11 8.77Ha
GR-2 EXISTING OVAL 800mm CSP CULVERT
BOOK ROAD EAST
EXISTING 600mm CSP CULVERT
NODE J32B
GR-3 EXISTING OVAL 800mm CSP CULVERT
DR-1 EXISTING 800mm CSP CULVERT
DR-2 EXISTING DOUBLE 800mm CSP CULVERT
DICKENSON ROAD WEST
DR-3 EXISTING 700mm CSP CULVERT
DR-4 EXISTING 500mm CSP CULVERT
DR-5 EXISTING DOUBLE 400mm CSP CULVERT
DR-6 EXISTING 500mm CSP CULVERT
GARTH STREET EXTENSION
STM.MH126 TOP 230.08m S 225.71m
8 4.18Ha 0.75
9 7.26Ha 0.90
STM.MH134 TOP 225.50m E 222.20m S 220.86m
320.7m-300mm STM. @ 1.01%
STM.MH125 TOP 233.80m S 228.94m N 228.94m
3 54.64Ha 0.75
A7 54.64Ha
COLLECTOR ROAD 'B'
288.2m-300mm STM. @ 1.00%
STM.MH135 TOP 223.92m N -3.58m E 217.44m
294.1m-300mm STM. @ 1.25%
STM.MH124 TOP 234.68m N 231.39m
242.4m-300mm STM. @ 1.01%
NODE 2
216.4m-300mm STM. @ ???
STM.MH128 TOP 228.39m S 224.52m N 224.53m
A8 26.86Ha
STM.HW8 TOP 235.26m SW 230.28m
PROPOSED CULVERT
CH4 7.90Ha
STM.MH127 TOP 229.99m N 226.69m
NODE 3
CH3 4.84Ha
10.8m-300mm STM. @ 0.94%
STM.MH113 TOP 234.81m E 231.50m
STM.HW9 SW 227.54m
10.7m-300mm STM. @ 1.00%
CH5 1.51Ha
STM.HW10 SW 225.65m
9.8m-300mm STM. @ 1.00%
UJS-3 EXISTING 1200mm BOX CSP CULVERT
UJS-4 EXISTING TRIPLE 750mm CSP CULVERT
NODE J30
STM.MH99 TOP 235.32m W 230.37m NE 230.38m
STM.MH78 TOP 234.97m S 231.65m
634.0m-300mm STM. @ 1.00%
STM.MH111 TOP 230.95m NE 227.64m W 225.09m
151.1m-300mm STM. @ 1.00%
STM.MH121 TOP 229.38m NW 225.74m NE 225.75m
EXISTING EMPLOYMENT
STORM TANK 4
A10 27.24Ha
A13 1.98Ha
A6 2.47Ha
STM.MH120 TOP 230.56m E 227.25m
STORM TANK 5
445.0m-300mm STM. @ ???
5 27.26Ha 0.75
STM.MH79 TOP 231.30m N 227.26m E 227.43m
STM.HW4 W 225.39m
SWM POND 4
PROPOSED CULVERT
PANATTONI DEVELOPMENT 9236-9322 DICKENSON RD. W. 25T-202002
33.9m-300mm STM. @ 6.03%
NODE 5
UJS-5 EXISTING 1.2x0.9m BOX CULVERT
TALBOT LANE
PROPOSED CULVERT
STM.MH74 TOP 231.92m S 227.45m E 227.46m
STM.HW11 W 227.20m
25.3m-300mm STM. @ 1.01%
STORM TANK 8
A12 18.75Ha
STORM TANK 9
A15 2.66Ha
A14 1.27Ha
290.6m-300mm STM. @ ???
STM.MH73 TOP 233.66m N 230.36m
NODE J37A
UJS-6 EXISTING 1.2x0.9m BOX CULVERT
EXISTING 600mm CSP CULVERT
EXISTING CSP CULVERT
DICKENSON ROAD EAST
AEROPARK BOULEVARD
BROCCOLINI LANDS
JOHN C. MUNRO INTERNATIONAL AIRPORT (YHM)
WETENHALL COURT
N


TWENTY ROAD WEST
STREET '1'
GARTH STREET EXTENSION
COLLECTOR ROAD 'A'
COLLECTOR ROAD 'C'
COLLECTOR ROAD 'B'
GLANCASTER ROAD
UPPER JAMES STREET
DICKENSON ROAD WEST
N

KEY PLAN
N.T.S.

LEGEND

▨	LIMIT OF STUDY AREA
—	PROPOSED STORM SEWER
- -	EXISTING STORM SEWER
1 / 30.66Ha / 0.75	PROPOSED AREA I.D. PROPOSED DRAINAGE AREA (Ha.) PROPOSED RUNOFF COEFFICIENT
A8 / 29.58Ha	PROPOSED AREA I.D. PROPOSED DRAINAGE AREA (Ha.)
—	PROPOSED STORM DRAINAGE BOUNDARY
🟥	PROPOSED CHANNEL DRAINAGE BOUNDARY
230.00	EXISTING CONTOUR & ELEVATION
➡	PROPOSED OVERLAND FLOW ROUTE
⇨	EXISTING OVERLAND FLOW ROUTE
-·-	EXISTING WATERCOURSE
- -	PROPOSED WALKING TRAIL
*	GEO-MORPHOLOGY STUDY FLOW NODE
●	SUBWATERSHED STUDY FLOW NODE
▨	EXISTING HYDRO TOWER
🟨	LOW DENSITY RESIDENTIAL
▨	LOW DENSITY RESIDENTIAL 2
🟫	MEDIUM DENSITY RESIDENTIAL
🟥	HIGH DENSITY RESIDENTIAL
🟩	NEIGHBOURHOOD PARK
🟪	INSTITUTIONAL
🟩	COMMUNITY PARK
🟫	MIXED USE
▨	NATURAL OPEN SPACE
🟦	SWM POND FACILITY
🟩	COMPENSATION LANDS
⬜	HYDRO CORRIDOR

ELEVATION NOTE

ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE CITY OF HAMILTON BENCHMARKS:
No. 0011975U165, No. 00119650072, No. 007720020031.
ELEVATION = 245.487m, 230.555m, 232.913m.

LOCAL BENCHMARK

No. 1, CUT CROSS ON WATERMAIN PAD ON SOUTH SIDE OF TWENTY ROAD WEST.
ELEVATION = 231.228m.
No. 2, CUT CROSS ON SIDEWALK ON SOUTH SIDE OF TWENTY ROAD WEST.
ELEVATION = 223.751m.

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UPPER WEST SIDE COMMUNITY PLAN
CITY OF HAMILTON

POST STORM DRAINAGE PLAN

PROJECT No.	DATE	SCALE	DWG No.
17-556	SEPT. 2023	1:5000	STM-2

F:\PROJECTS\17-556 UPPER WEST SIDE\DRAWINGS\PRELIMINARY ENGINEERING & FIGURES\STM-2_POST STORM DRAINAGE PLAN.DWG