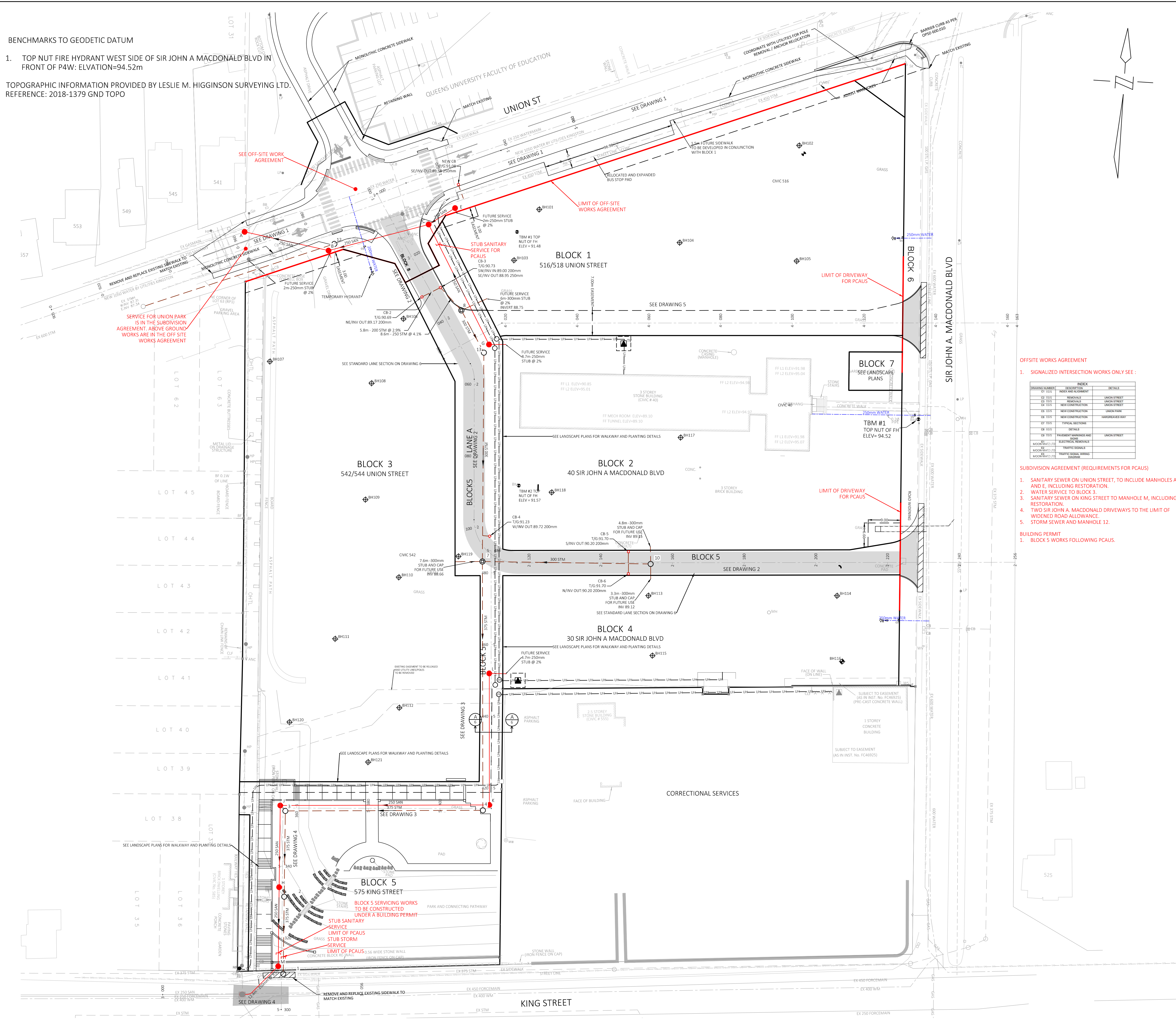


UNION PARK IN KINGSTON FOR SIDERIUS DEVELOPMENTS LTD.

LIST OF DRAWINGS		
DRAWING NUMBER	FIRM NAME	DRAWING TITLE
G1	JOSSELYN	GENERAL PLAN OF SERVICES
R1	JOSSELYN	REMOVALS PLAN
S1	JOSSELYN	SEDIMENT AND EROSION CONTROL PLAN
LG1	JOSSELYN	GRADING PLAN
1	JOSSELYN	UNION STREET STA: 0+905 TO STA: 1+060
2	JOSSELYN	BLOCK 5 STA: 10+000 TO STA: 10+030
3	JOSSELYN	BLOCK 5 STA: 1+990 TO STA: 2+100
4	JOSSELYN	BLOCK 5 STA: 2+100 TO STA: 2+280
5	JOSSELYN	BLOCK 5 STA: 5+350 TO STA: 6+440
6	JOSSELYN	BLOCK 5 STA: 5+400 TO STA: 5+480
7	JOSSELYN	BLOCK 5 STA: 5+300 TO STA: 5+380
8	JOSSELYN	KING STREET STA: 3+000 TO STA: 3+055
ST1	JOSSELYN	LANE B STA: 4+000 TO STA: 4+160
SA1	JOSSELYN	DETAIL SHEET
L 1.0	CSW	DETAIL SHEET
L 1.1	CSW	STORM DRAINAGE AREA MAP
L 1.2	CSW	SANITARY DRAINAGE AREA MAP
L 2.0	CSW	LANDSCAPE PLAN
L 2.1	CSW	BLOCK 5 - WEST YARD PARK
L 2.2	CSW	BLOCK 7 - P4W COLLECTIVE GARDEN
L 2.3	CSW	LANDSCAPE DETAILS
E1	CALLIDUS	LANDSCAPE DETAILS
CSC-E1	CALLIDUS	LANDSCAPE DETAILS
CSC-E2	CALLIDUS	LANDSCAPE DETAILS
		ELECTRICAL LEGEND, GENERAL NOTES AND SITE PLAN
		ELECTRICAL SITE PLAN, DEMOLITION AND SPECIFICATIONS
		ELECTRICAL SITE PLAN, NEW, SINGLE LINE DIAGRAM AND DETAILS

1. TOP NUT FIRE HYDRANT WEST SIDE OF SIR JOHN A MACDONALD BLVD IN FRONT OF P4W: ELVATION=94.52m

TOPOGRAPHIC INFORMATION PROVIDED BY LESLIE M. HIGGINSON SURVEYING LTD.
REFERENCE: 2018-1379 GND TOPO



KEY PLAN

LEGEND	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE	98.73	
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNEL GRADE LEVEL BOX (BELL CANADA) 30w x 48 x 24 d		

9	NB	MARCH 17, 2025	REVISED AS PER TECHNICAL COMMENTS	MJ	
9	NB	MARCH 3, 2025	REVISED AS PER TECHNICAL COMMENTS	MJ	
8	NB	JANUARY 31, 2025	REVISED AS PER TECHNICAL COMMENTS	MJ	
7	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MJ	
6	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND DPT SITE WORK AGREEMENT	MJ	
5	NB	OCTOBER 20, 2023	REVISED SANITARY LOCATION	MJ	
4	NB	OCTOBER 13, 2023	REVISED AS PER CITY COMMENTS	MJ	
3	NB	SEPTEMBER 18, 2023	REVISED AS PER CITY COMMENTS	MJ	
No.	By	Date	Revision		Checked



**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

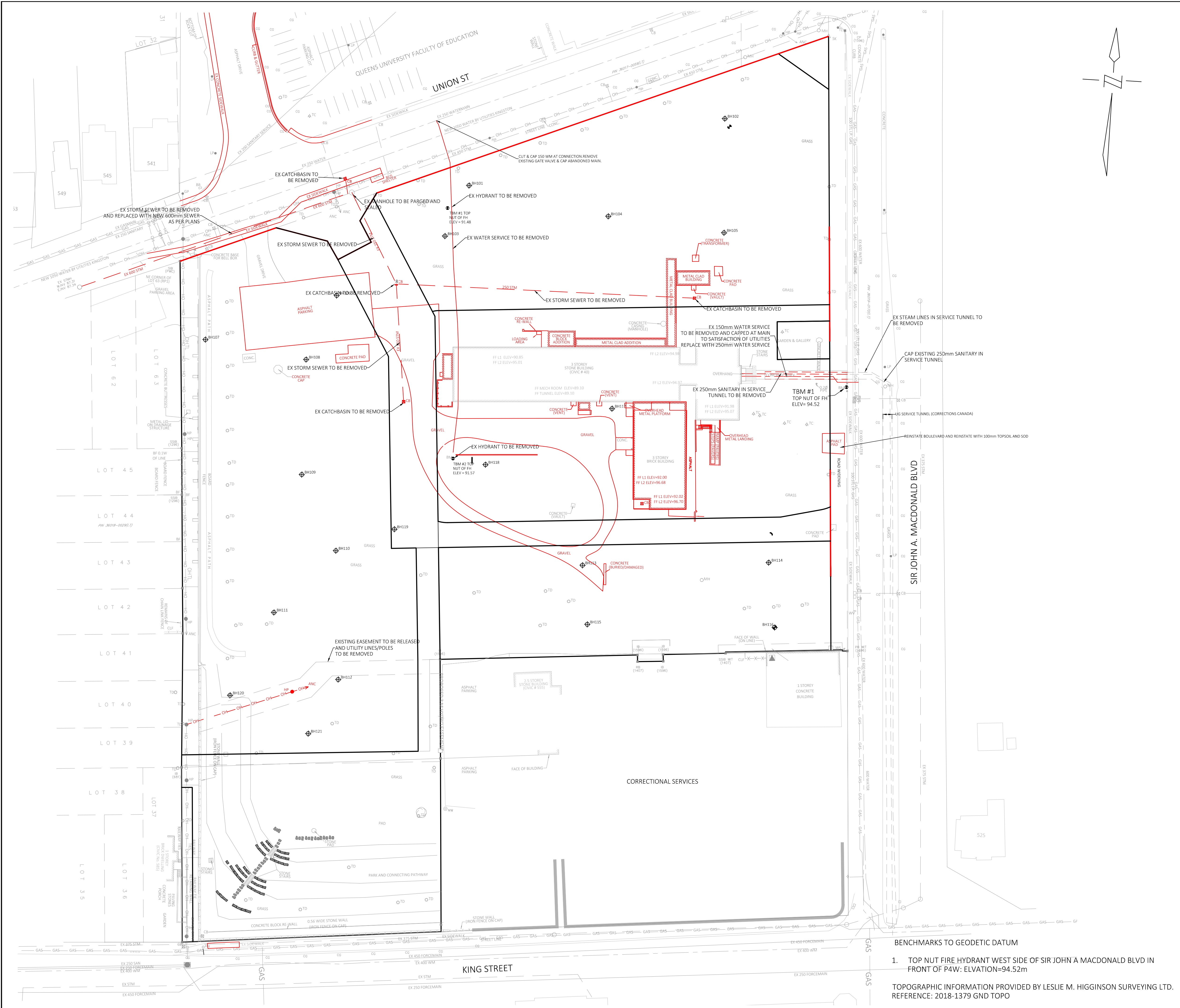
OWNER: SIDERIUS DEVELOPMENTS LTD.

PROJECT: UNION PARK

DRAWING TITLE:

GENERAL PLAN OF SERVICES

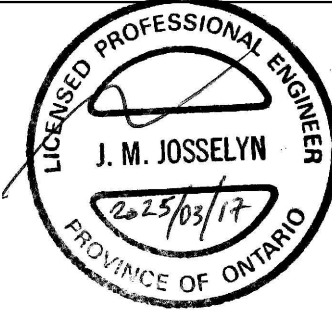
Designed By: M.J.	Date: MARCH 10, 2023.	Project No. 792	Drawing No. G1
Drawn By: N.B.			
Checked By: M.J.	Scale: 1:500		



LEGEND	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE	98.73	
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNEL GRADE LEVEL BOX (BELL CANADA) 30w x 48 x 24 d		

6	NB	MARCH 17, 2025	REVISED AS PER TECHNICAL COMMENTS	MI
5	NB	MARCH 3, 2025	REVISED AS PER TECHNICAL COMMENTS	MI
4	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MI
3	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MI
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MI
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MI
No.	By	Date	Revision	Checked

**Josselyn Engineering Inc.**



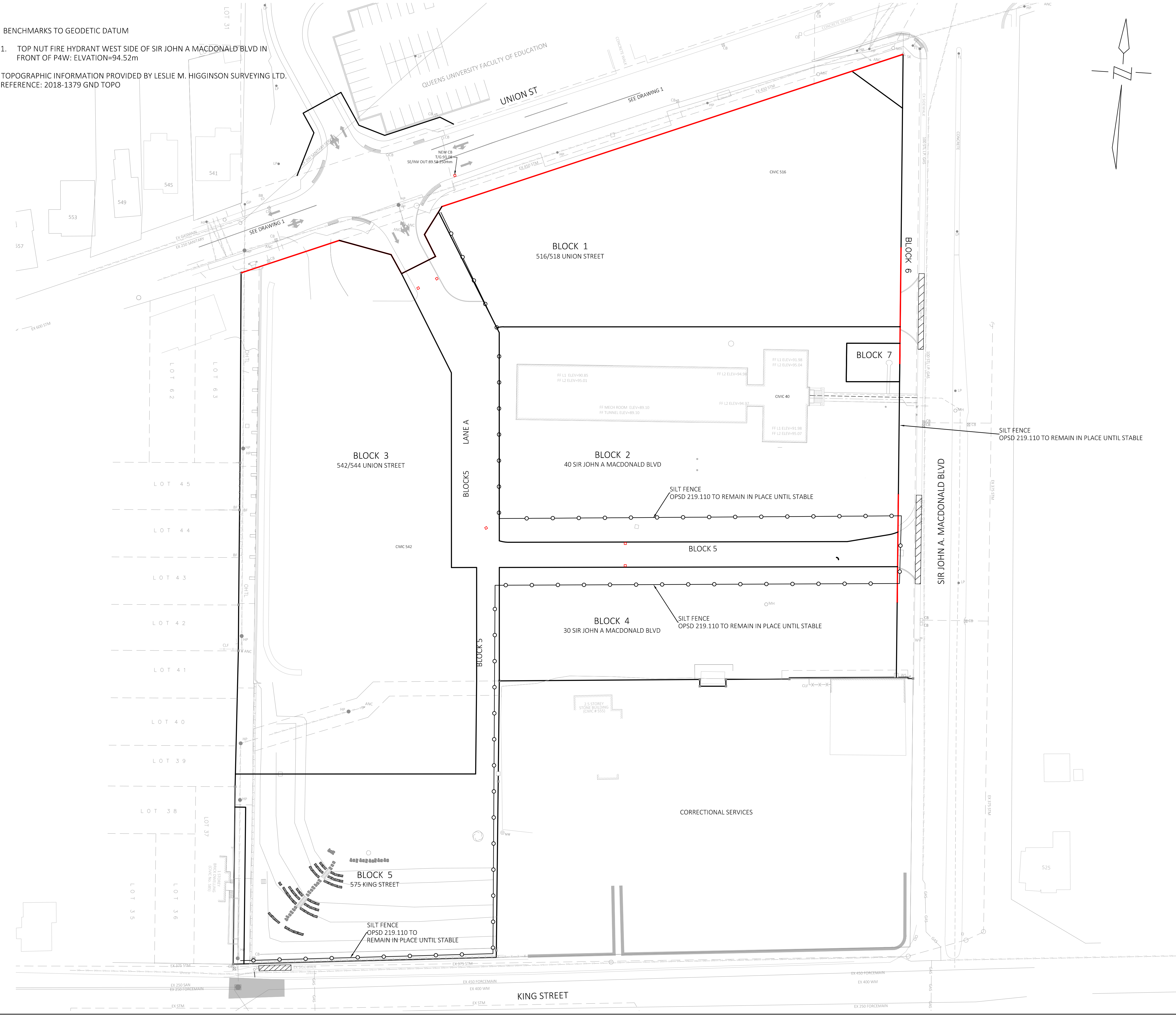
**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

OWNER:		SIDERIUS DEVELOPMENTS LTD.	
PROJECT:		UNION PARK	
DRAWING TITLE:		REMOVALS PLAN	
Designed By:	M.J.	Date:	MARCH 10, 2023.
Drawn By:	N.B.	Project No.	792
Checked By:	M.J.	Drawing No.	R1
		Scale:	1:500

BENCHMARKS TO GEODETIC DATUM

1. TOP NUT FIRE HYDRANT WEST SIDE OF SIR JOHN A MACDONALD BLVD IN FRONT OF P4W: ELEVATION=94.52m

TOPOGRAPHIC INFORMATION PROVIDED BY LESLIE M. HIGGINSON SURVEYING LTD.
REFERENCE: 2018-1379 GND TOPO

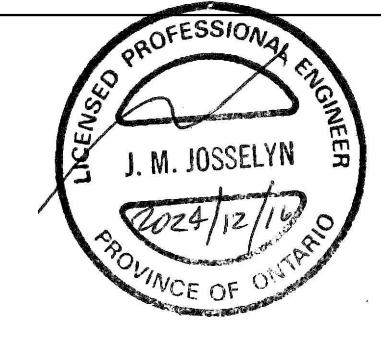


- NOTES:
1. EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE DURING CONSTRUCTION, AND ARE TO BE INSPECTED ON A WEEKLY BASIS, AND AFTER EVERY RAINFALL EVENT. ANY NECESSARY REPAIRS TO THE EROSION CONTROL MEASURES ARE TO BE MADE IMMEDIATELY FOLLOWING CONSTRUCTION, OR MORE FREQUENTLY IF NECESSARY. TRAPPED SEDIMENT IS TO BE REMOVED AND DISPOSED OF. AT THE COMPLETION OF CONSTRUCTION, TRAPPED SEDIMENT IS TO BE REMOVED. THE SEDIMENT CONTROLS ARE TO BE REMOVED, AND THE AREA RESTORED TO FINAL CONDITION.
 2. STRAW BALE FLOW CHECK OPSD 219.180 TO REMAIN IN PLACE UNTIL ADJACENT GROUND SURFACE IS GRADED, AND VEGETATION IS ESTABLISHED.
 3. NON-WOVEN GEOTEXTILE CLOTH IS TO BE PLACED BETWEEN FRAME AND LTD OF CB TO ENSURE NO DEBRIS FROM SURFACE RUN OFF ENTERS SEWER SYSTEM. CLOTH IS TO REMAIN IN PLACE DURING CONSTRUCTION AND IS TO BE REMOVED ONCE PCAS IS ISSUED.
 4. GROWTH IN ALL SWALES TO BE ESTABLISHED IN FIRST AVAILABLE GROWING SEASON TO REDUCE SEDIMENT/EROSION.
 5. STABILIZATION OF BARE SOIL IS TO BE ENSURED WITHIN 30 DAYS. ONCE SERVICING HAS BEEN INSTALLED SEDIMENT CONTROLS ARE REQUIRED TO PROTECT THE DRAINAGE SYSTEM AND RUNOFF FROM THE SERVICED, BUT UNCOMPLETED AREAS

LEGEND	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE	98.73	
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNEL GRADE LEVEL BOX (BELL CANADA) 300w x 48 x 24 d	SGLB	SGLB

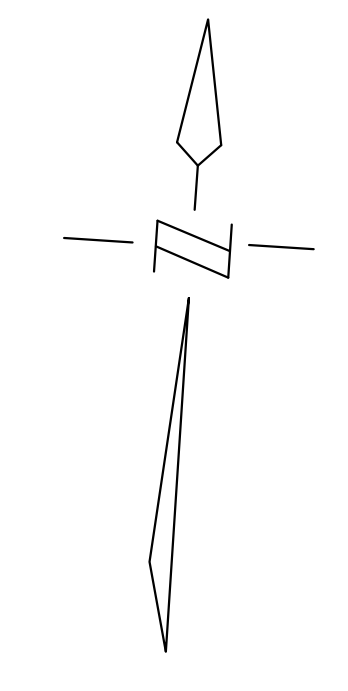
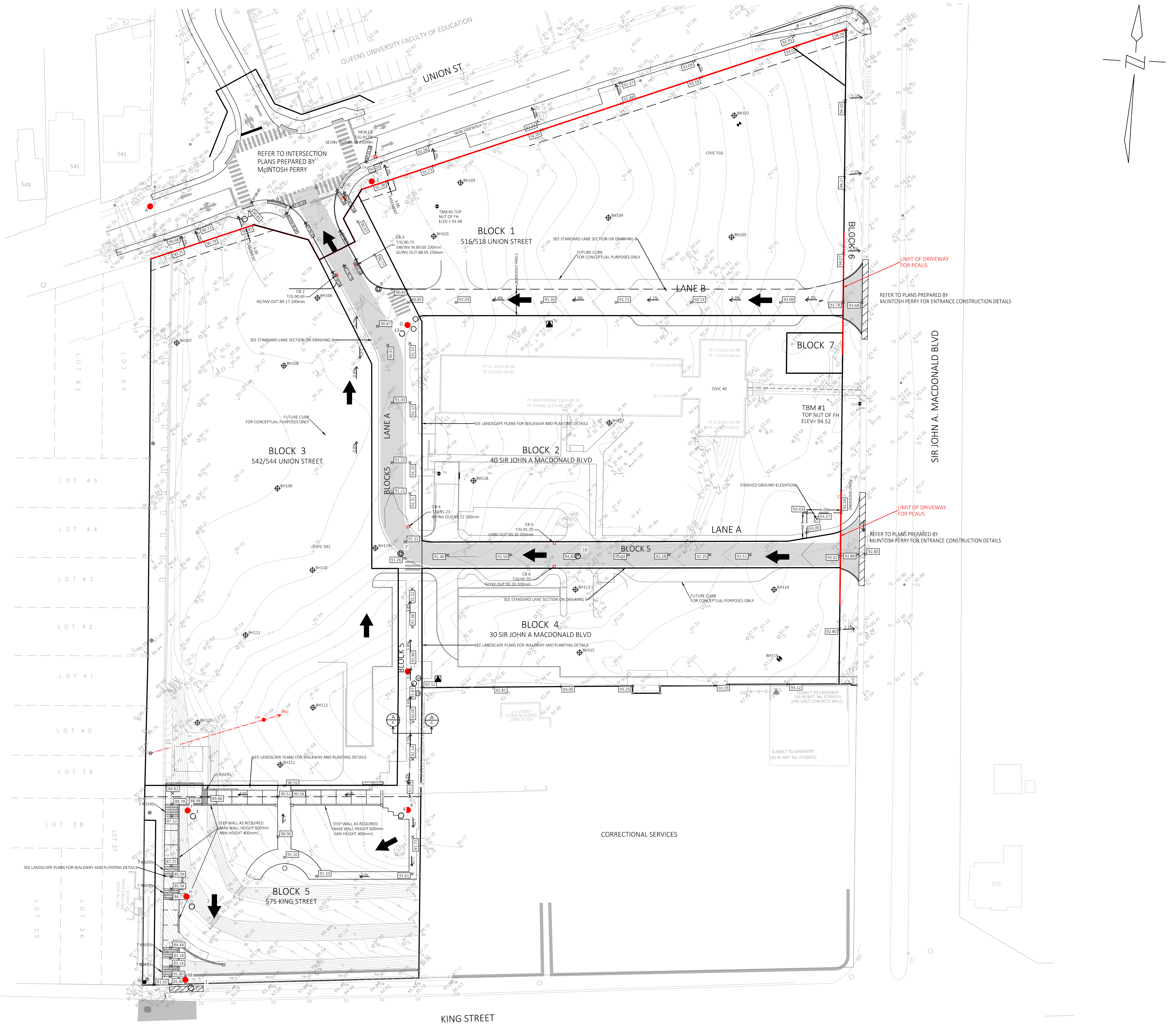
4	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MU	
3	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MU	
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MU	
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MU	
No.	By	Date	Revision		Checked

**Josselyn Engineering Inc.**



**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

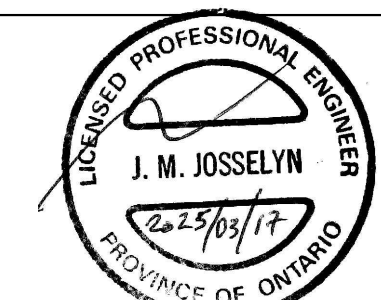
OWNER:		SIDERIUS DEVELOPMENTS LTD.	
PROJECT:		UNION PARK	
DRAWING TITLE:		SEDIMENT AND EROSION CONTROL PLAN	
Designed By:	M.J.	Date:	MARCH 10, 2023.
Drawn By:	N.B.	Project No.	792
Checked By:	M.J.		
		Scale:	1:500
			Drawing No.
			S1



LEGEND	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE		
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNEL GRADE LEVEL BOX (BELL CANADA) 30w x 48 x 24 d		
EMERGENCY MAJOR OVERLAND FLOW ROUTE		

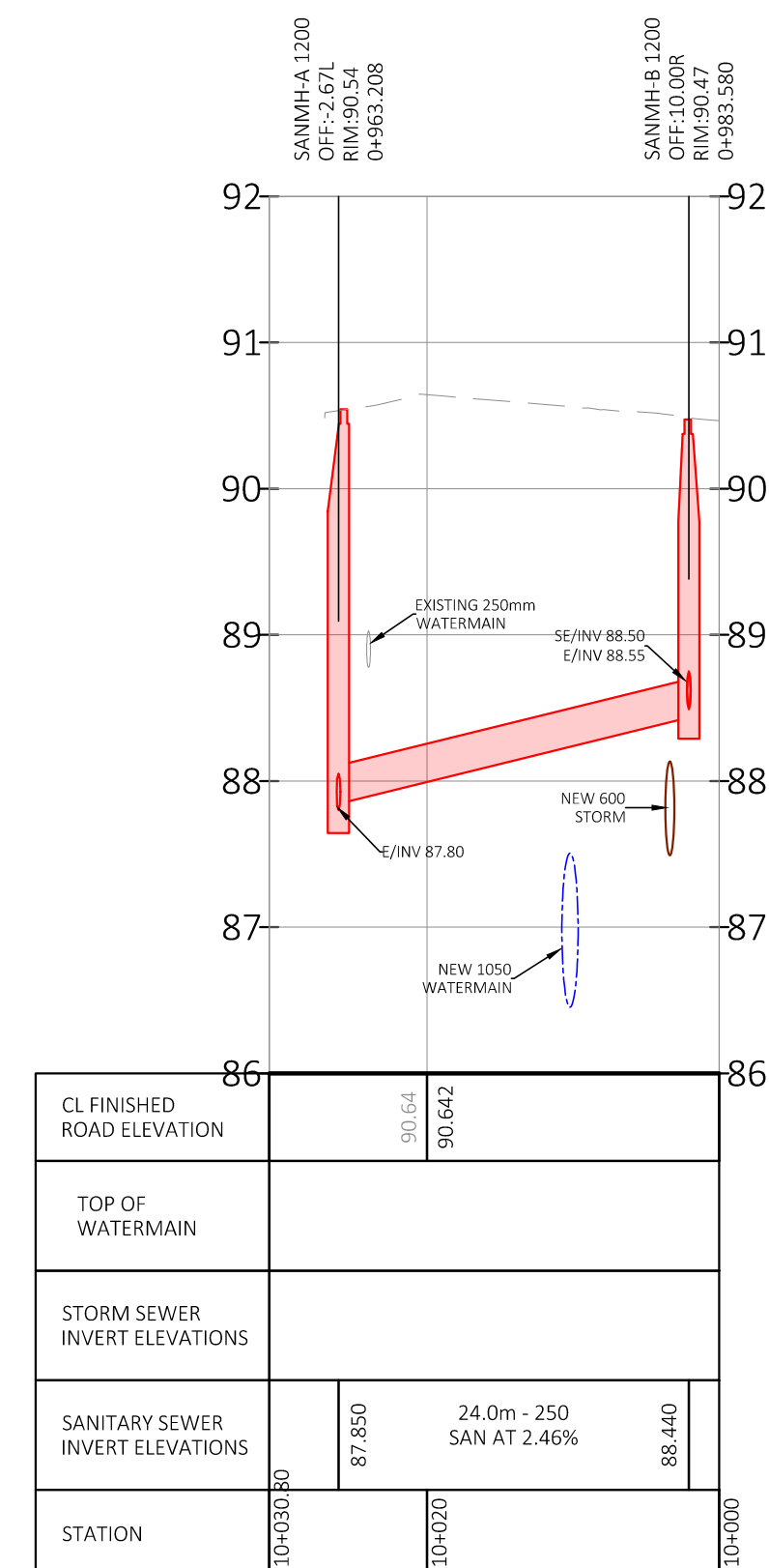
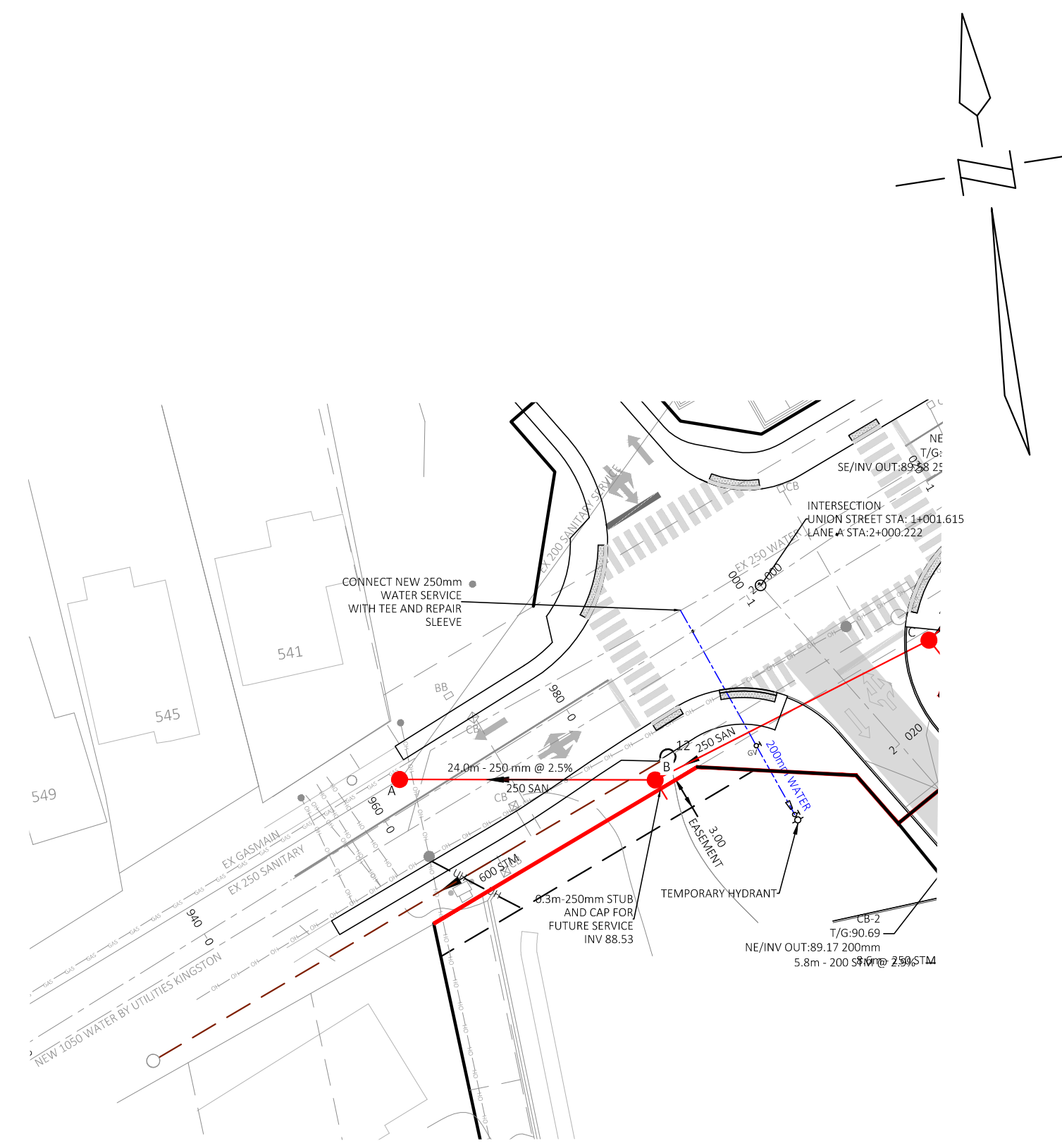
6	NB	MARCH 17, 2025	REVISED AS PER TECHNICAL COMMENTS	MU
5	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MU
4	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MU
3	NB	OCTOBER 20, 2023	REVISED SANMMH-3 LOCATION	MU
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MU
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MU
No.	By	Date	Revision	Checked

**Josselyn Engineering Inc.**



**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

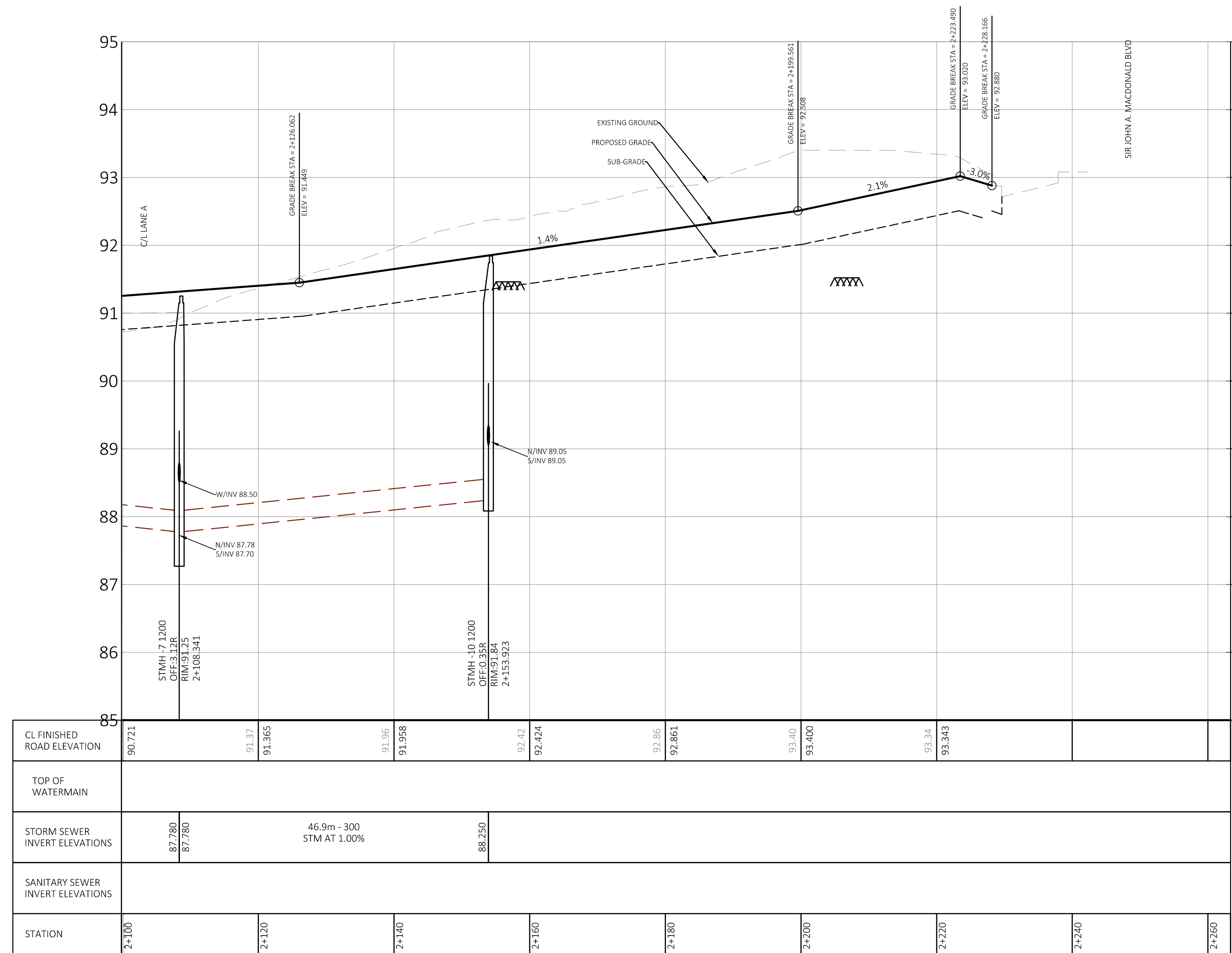
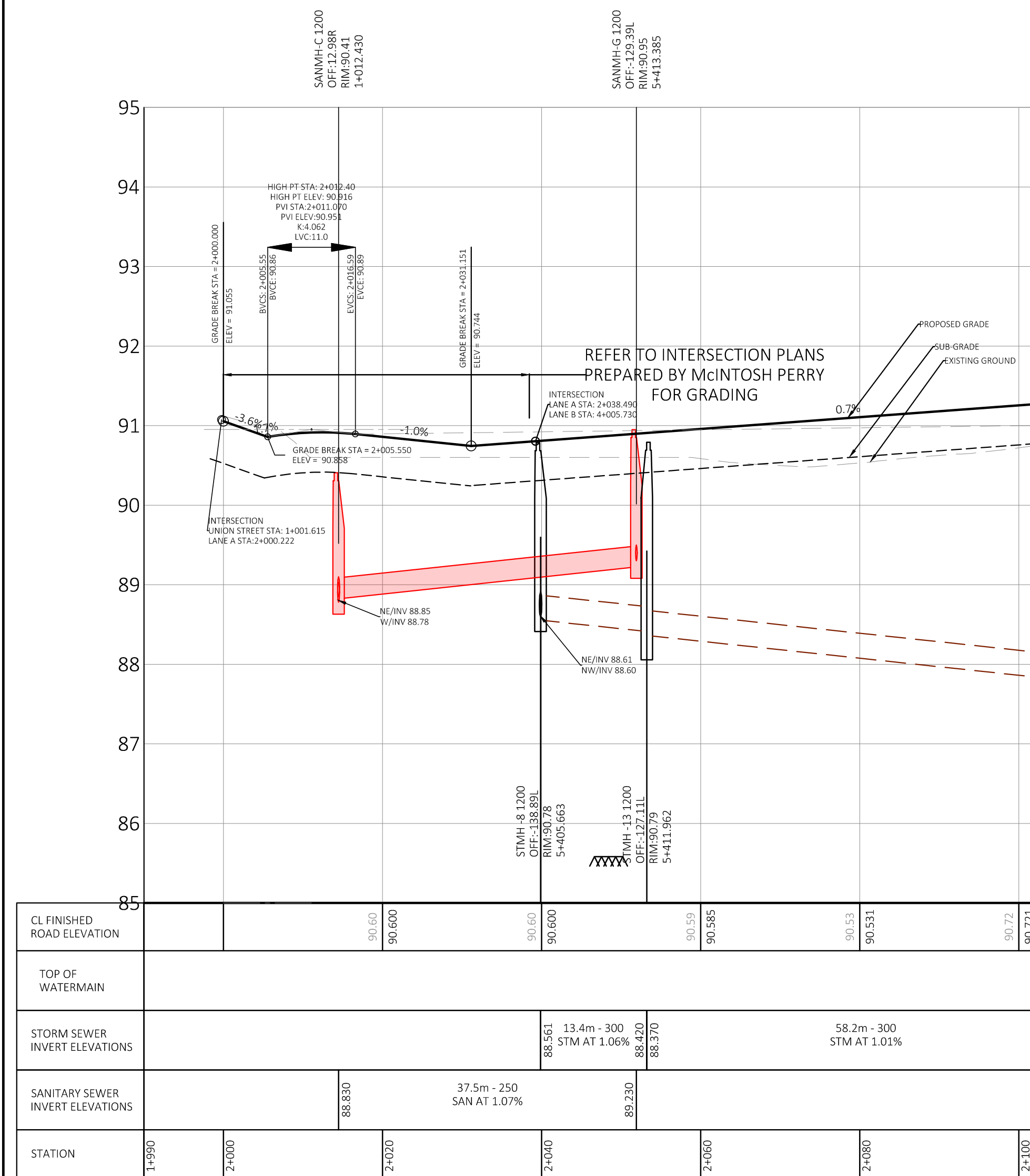
OWNER:		SIDERIUS DEVELOPMENTS LTD.	
PROJECT:		UNION PARK	
DRAWING TITLE:		GRADING PLAN	
Designed By:	M.J.	Date:	MARCH 10, 2023.
Drawn By:	N.B.	Project No.	792
Checked By:	M.J.		
	Scale:	1:500	Drawing No.
			LG1



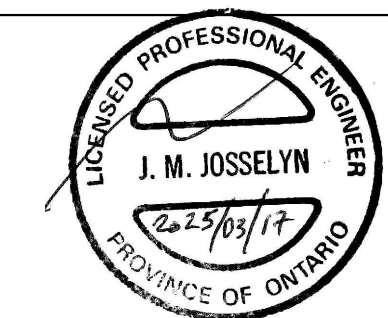
4	NB	MARCH 17, 2025	REVISED AS PER TECHNICAL COMMENTS	MJ
7	NB	MARCH 3, 2025	REVISED AS PER TECHNICAL COMMENTS	MJ
6	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MJ
5	CR	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MJ
4	NB	OCTOBER 20, 2023	REVISED SANITARY LOCATION	MJ
3	NB	OCTOBER 13, 2023	REVISED AS PER CITY COMMENTS	MJ
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MJ
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MJ
No.	By	Date	Revision	Checked

**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

Designed By: M.J.	Date:	Project No.	Drawing No.
Drawn By: N.B.	MARCH 10, 2023.		
Checked By: M.J.	Scale: v1:50, h1:500		
		792	1

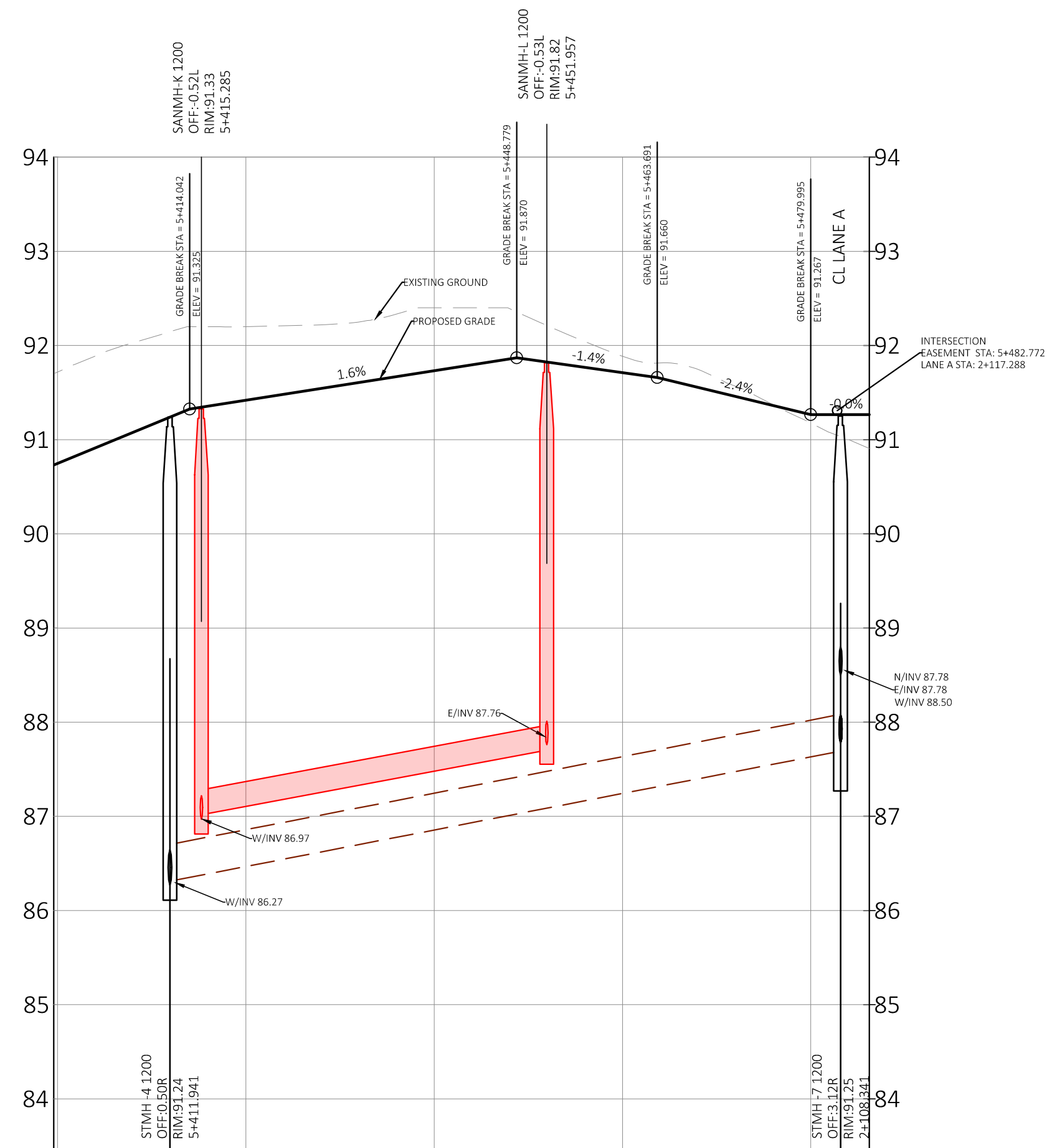
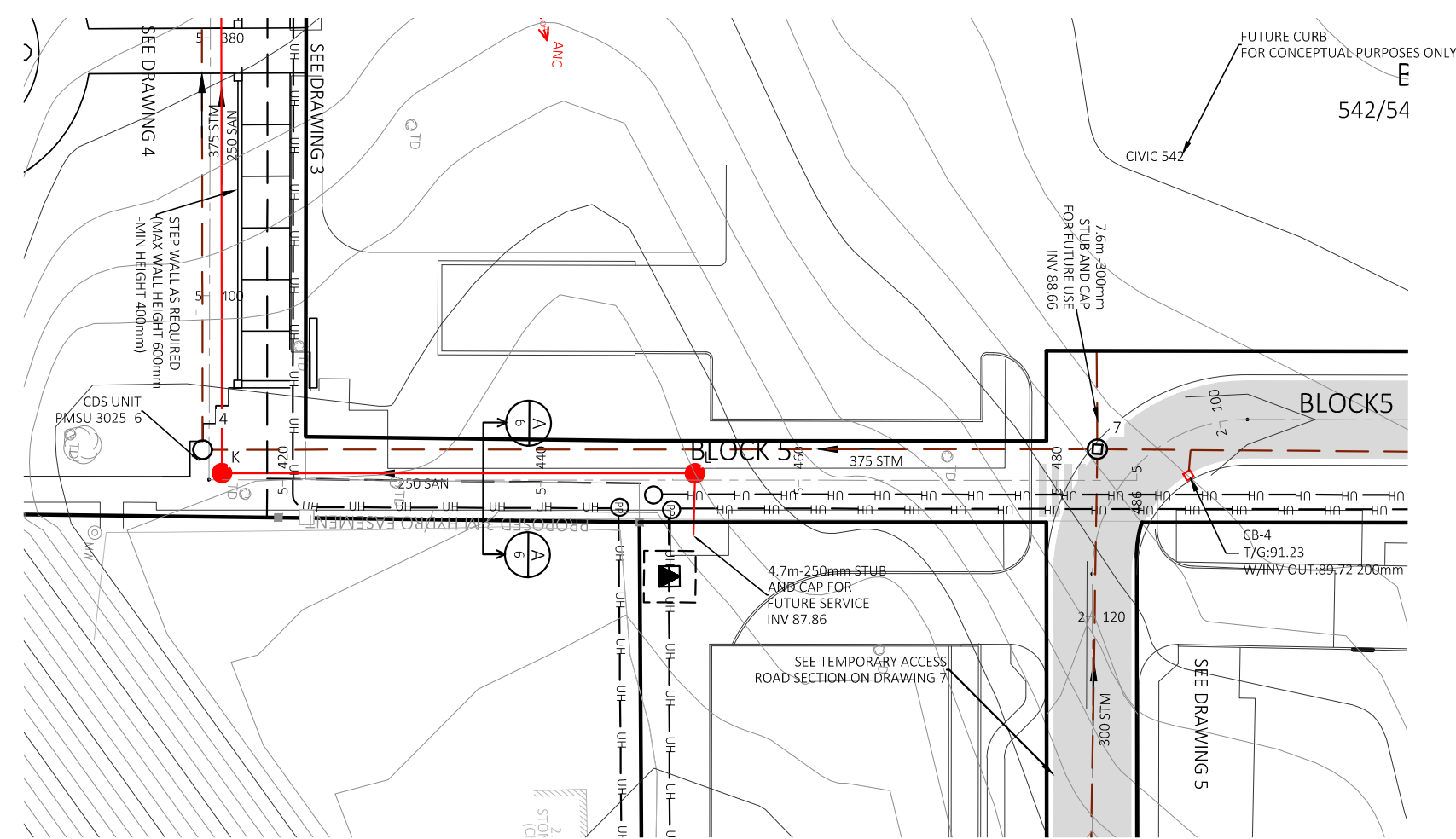
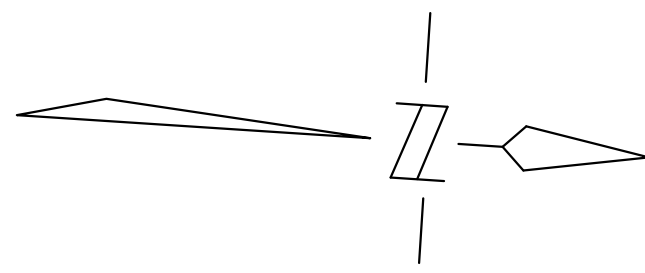
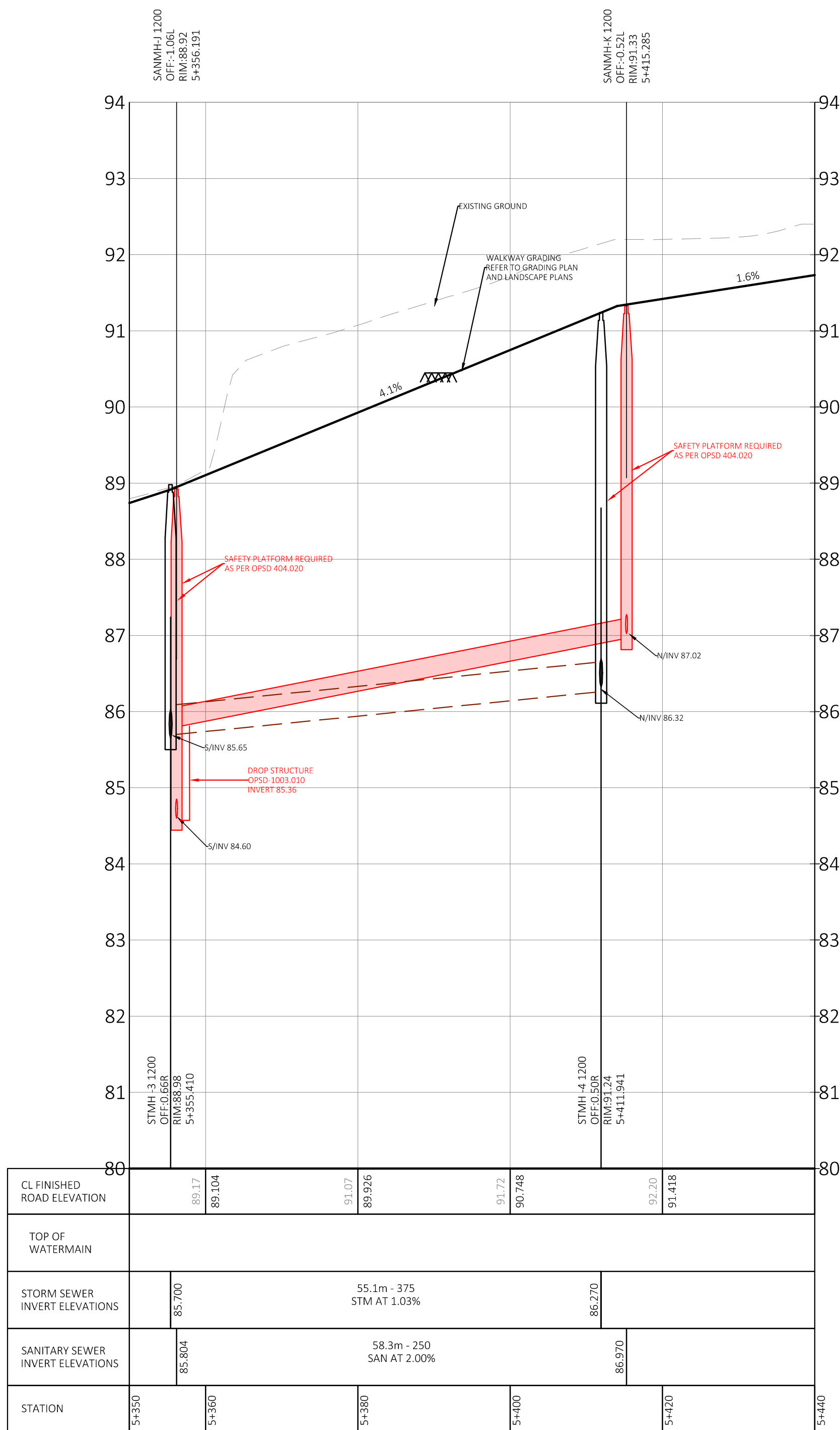
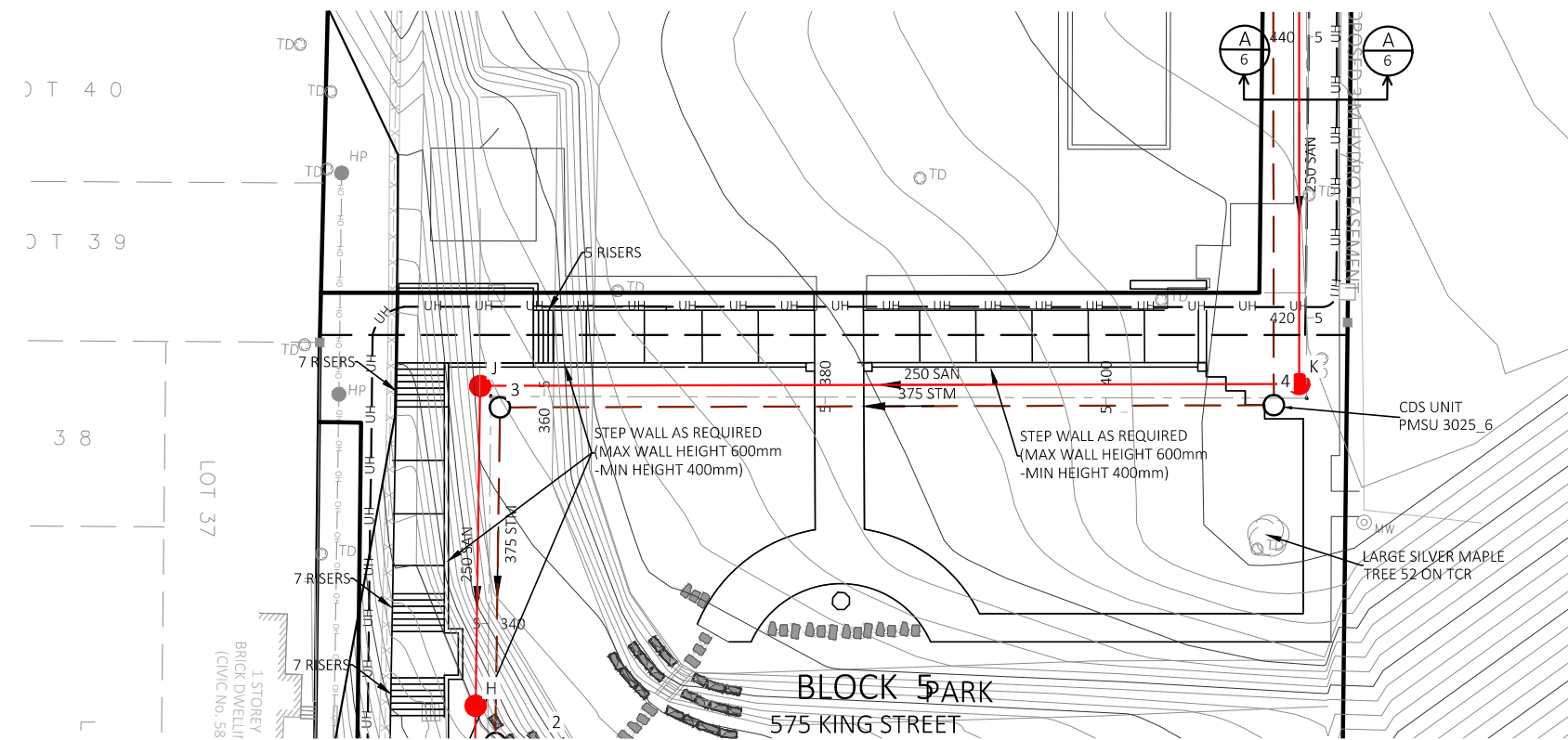
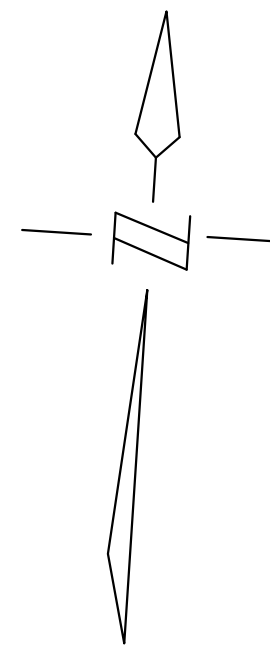


	7	NB	MARCH 17, 2025	REVISED AS PER TECHNICAL COMMENTS	(M)
	8	NB	MARCH 3, 2025	REVISED AS PER TECHNICAL COMMENTS	(M)
	6	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	(M)
	5	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	(M)
	4	NB	OCTOBER 20, 2023	REVISED SAMOH'S LOCATION	(M)
	3	NB	OCTOBER 13, 2023	REVISED AS PER CITY COMMENTS	(M)
	2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	(M)
	1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	(M)
No.	By	Date	Revision	Checked	



**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

OWNER: SIDERIUS DEVELOPMENTS LTD.			
PROJECT: UNION PARK			
DRAWING TITLE: BLOCK 5 STA: 1+990 TO STA: 2+100 STA: 2+100 TO STA: 2+260			
Designed By: M.J.	Date: MARCH 10, 2023.	Project No. 792	Drawing No. 2
Drawn By: N.B.			
Checked By: M.J.	Scale: v1:50, h1:500		



CL FINISHED ROAD ELEVATION	90.748	92.20	91.418	92.40	91.732	91.59	91.712	91.18	91.267	91.662
TOP OF WATERMAIN										
STORM SEWER INVERT ELEVATIONS		86.319							87.700	
SANITARY SEWER INVERT ELEVATIONS		87.024		36.7m - 250 SAN AT 1.87%		87.710				
STATION	5+400	5+420	5+440		5+460		5+480			5+486.21

LEGEND

PAVEMENT
CONCRETE CURB TYPE
DITCH
STORM SEWER & MANHOLE
WITH DIRECTION OF FLOW
SAN. SEWER & MANHOLE
WITH DIRECTION OF FLOW
WATERMAIN AND VALVE
GAS METER LOCATION
GAS MAIN
HYDRO (UNDERGROUND)
HYDRO (OVER HEAD)
SINGLE CATCH BASIN
DITCH INLET CATCH BASIN
TWIN INLET CATCH BASIN
CATCH BASIN MANHOLE
HYDRANT & VALVE BOX
BELL UTILITY POLE & ANCHOR
HYDRO UTILITY POLE & ANCHOR
STREET LIGHT
TREES
PROPERTY BOUNDARY
EASEMENT
FENCE
SILT FENCE

EXISTING

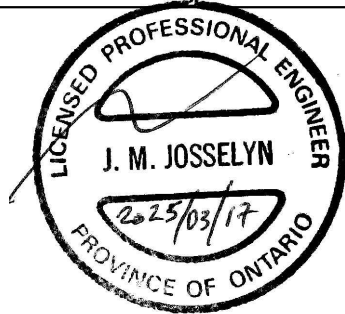
PAVEMENT
CONCRETE CURB TYPE
DITCH
STORM SEWER & MANHOLE
WITH DIRECTION OF FLOW
SAN. SEWER & MANHOLE
WITH DIRECTION OF FLOW
WATERMAIN AND VALVE
GAS METER LOCATION
GAS MAIN
HYDRO (UNDERGROUND)
HYDRO (OVER HEAD)
SINGLE CATCH BASIN
DITCH INLET CATCH BASIN
TWIN INLET CATCH BASIN
CATCH BASIN MANHOLE
HYDRANT & VALVE BOX
BELL UTILITY POLE & ANCHOR
HYDRO UTILITY POLE & ANCHOR
STREET LIGHT
TREES
PROPERTY BOUNDARY
EASEMENT
FENCE
SILT FENCE

PROPOSED

PAVEMENT
CONCRETE CURB TYPE
DITCH
STORM SEWER & MANHOLE
WITH DIRECTION OF FLOW
SAN. SEWER & MANHOLE
WITH DIRECTION OF FLOW
WATERMAIN AND VALVE
GAS METER LOCATION
GAS MAIN
HYDRO (UNDERGROUND)
HYDRO (OVER HEAD)
SINGLE CATCH BASIN
DITCH INLET CATCH BASIN
TWIN INLET CATCH BASIN
CATCH BASIN MANHOLE
HYDRANT & VALVE BOX
BELL UTILITY POLE & ANCHOR
HYDRO UTILITY POLE & ANCHOR
STREET LIGHT
TREES
PROPERTY BOUNDARY
EASEMENT
FENCE
SILT FENCE

No.	By	Date	Revision	Checked
8	NB	MARCH 17, 2025	REVISED AS PER TECHNICAL COMMENTS	MI
7	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MI
6	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MI
5	DL	FEBRUARY 1, 2024	REVISED SANITARY SERVING AS PER CL-ECA APPLICATION COMMENTS	MI
4	NB	OCTOBER 20, 2023	REVISED SANITARY 3 LOCATION	MI
3	NB	OCTOBER 13, 2023	REVISED AS PER CITY COMMENTS	MI
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MI
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MI

J.E. Josselyn Engineering Inc.



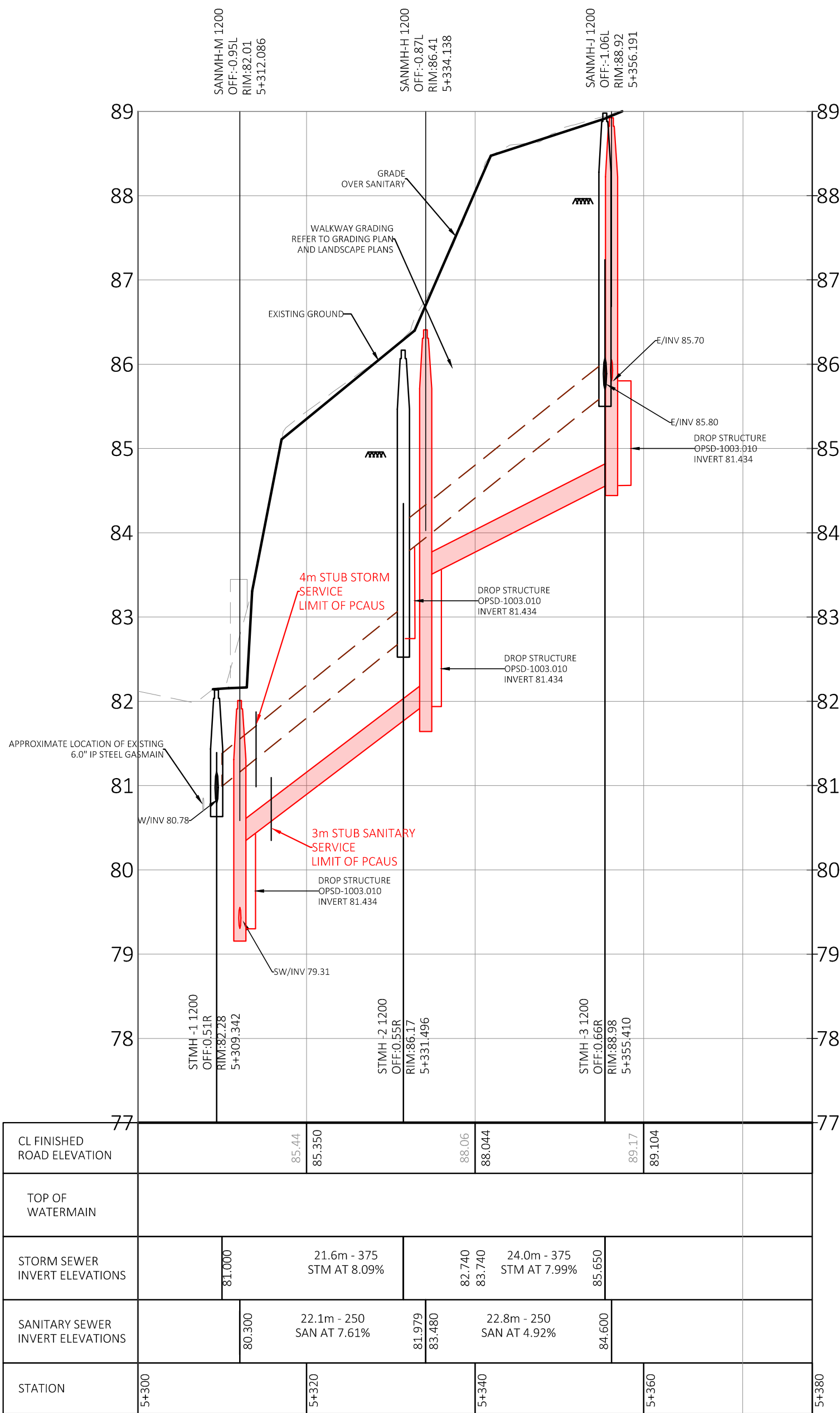
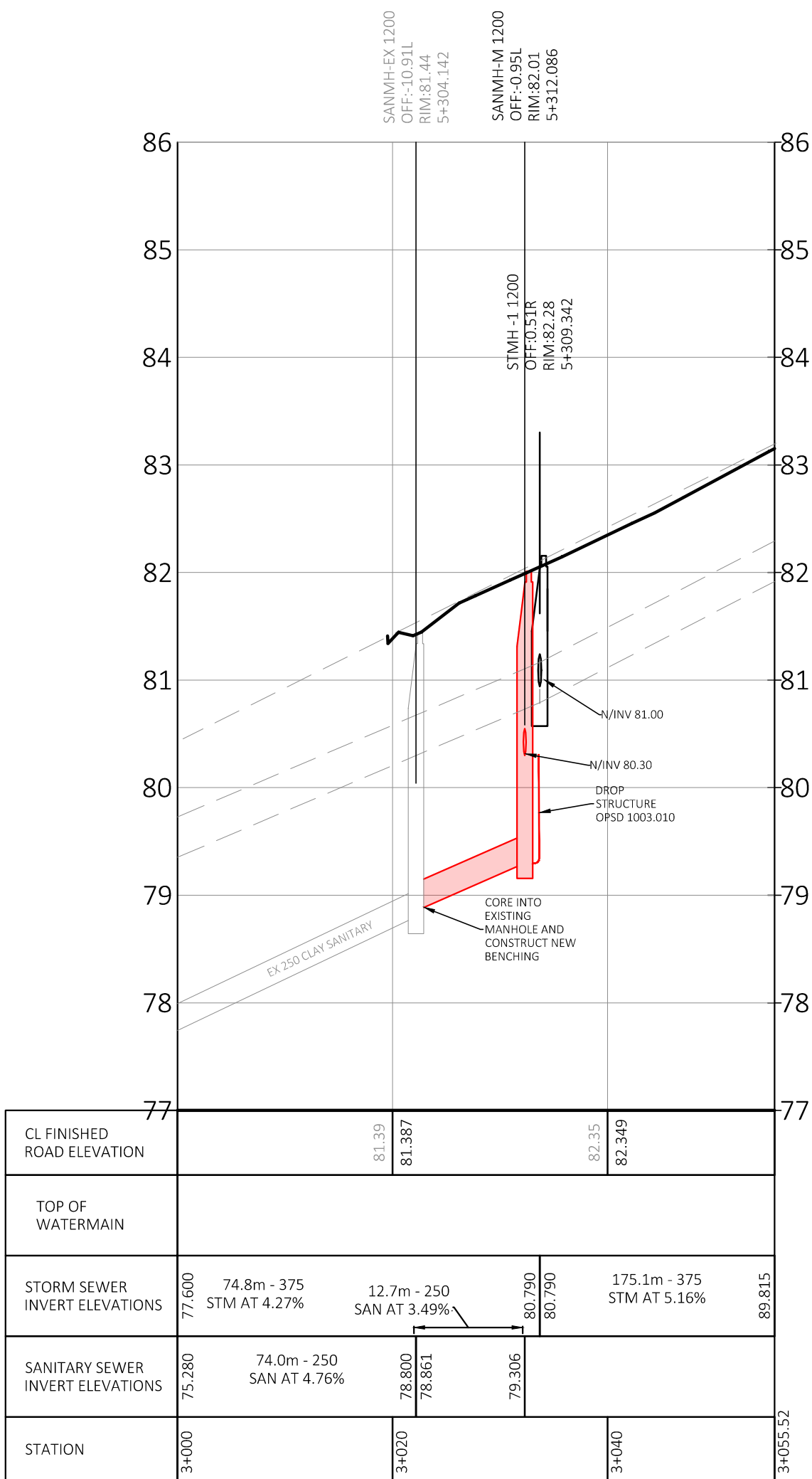
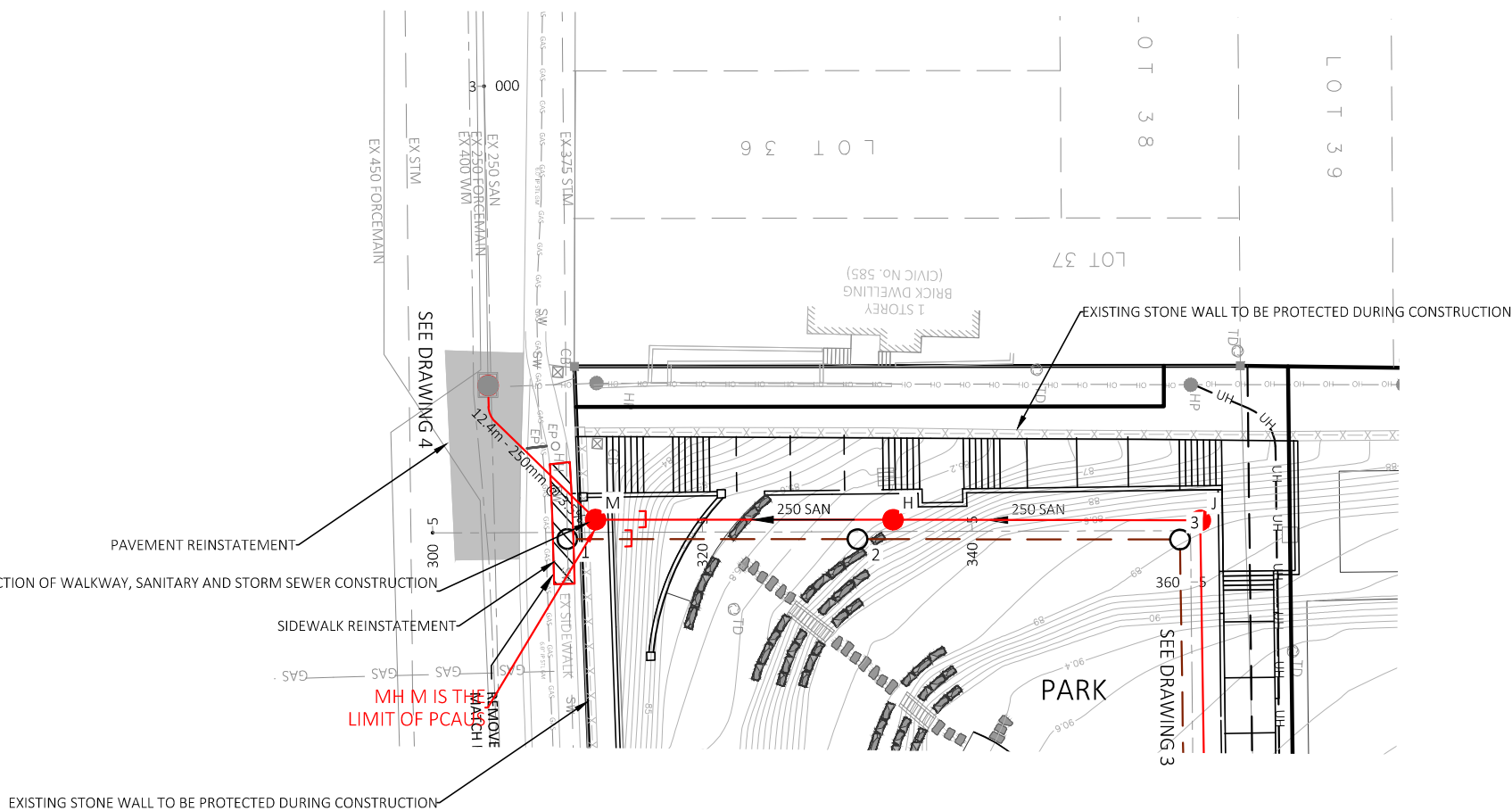
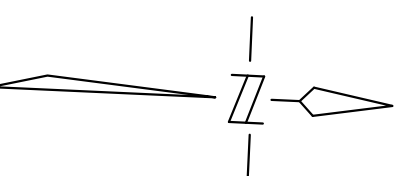
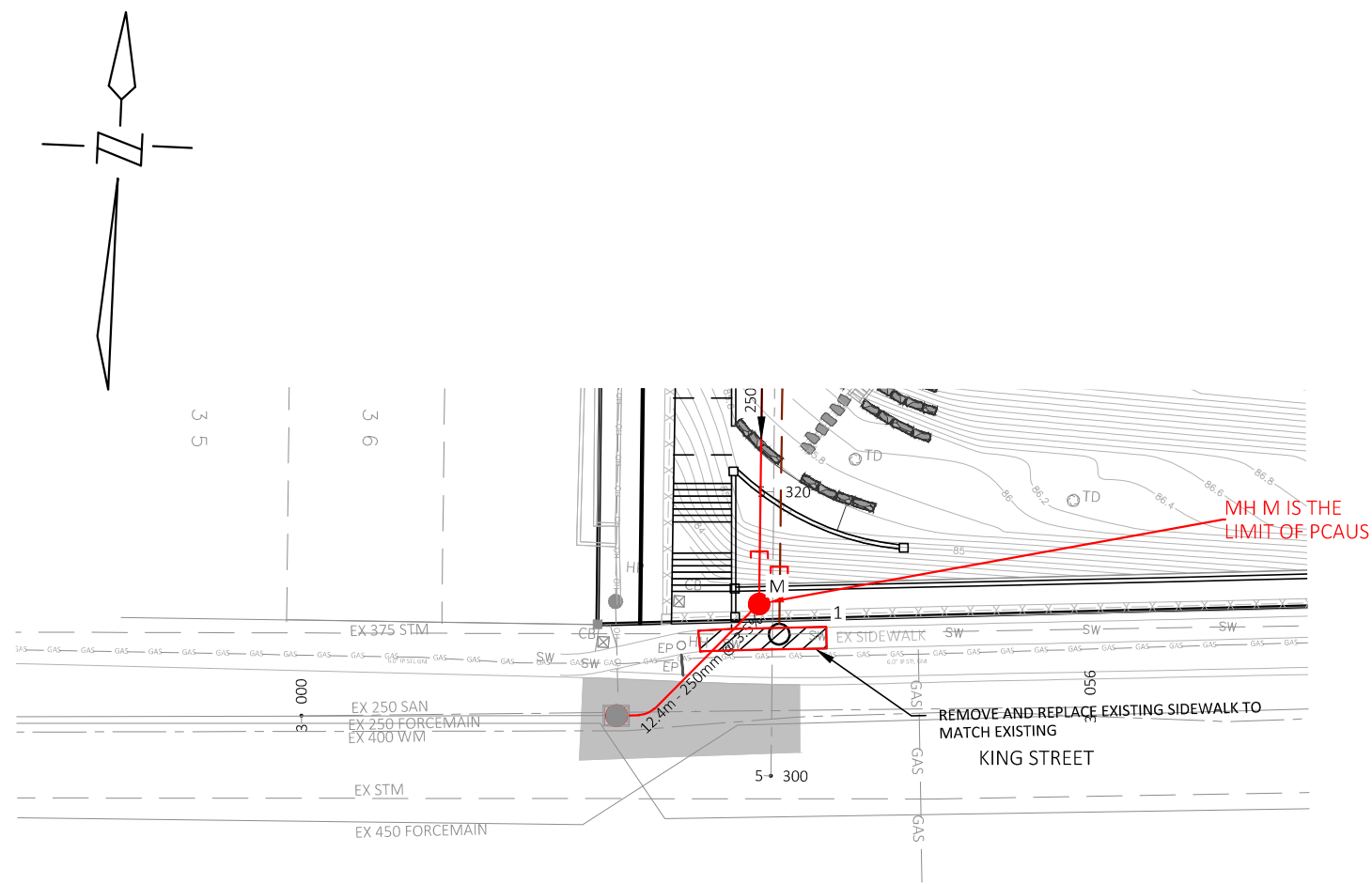
1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca

OWNER: SIDERIUS DEVELOPMENTS LTD.

PROJECT: UNION PARK

DRAWING TITLE:
BLOCK 5
STA: 5+350 TO STA: 5+440
STA: 5+400 TO STA: 5+480

Designed By: M.J.	Date: MARCH 10, 2023.	Project No. 792	Drawing No. 3
Drawn By: N.B.	Scale: v1:50, h1:500		
Checked By: M.J.			



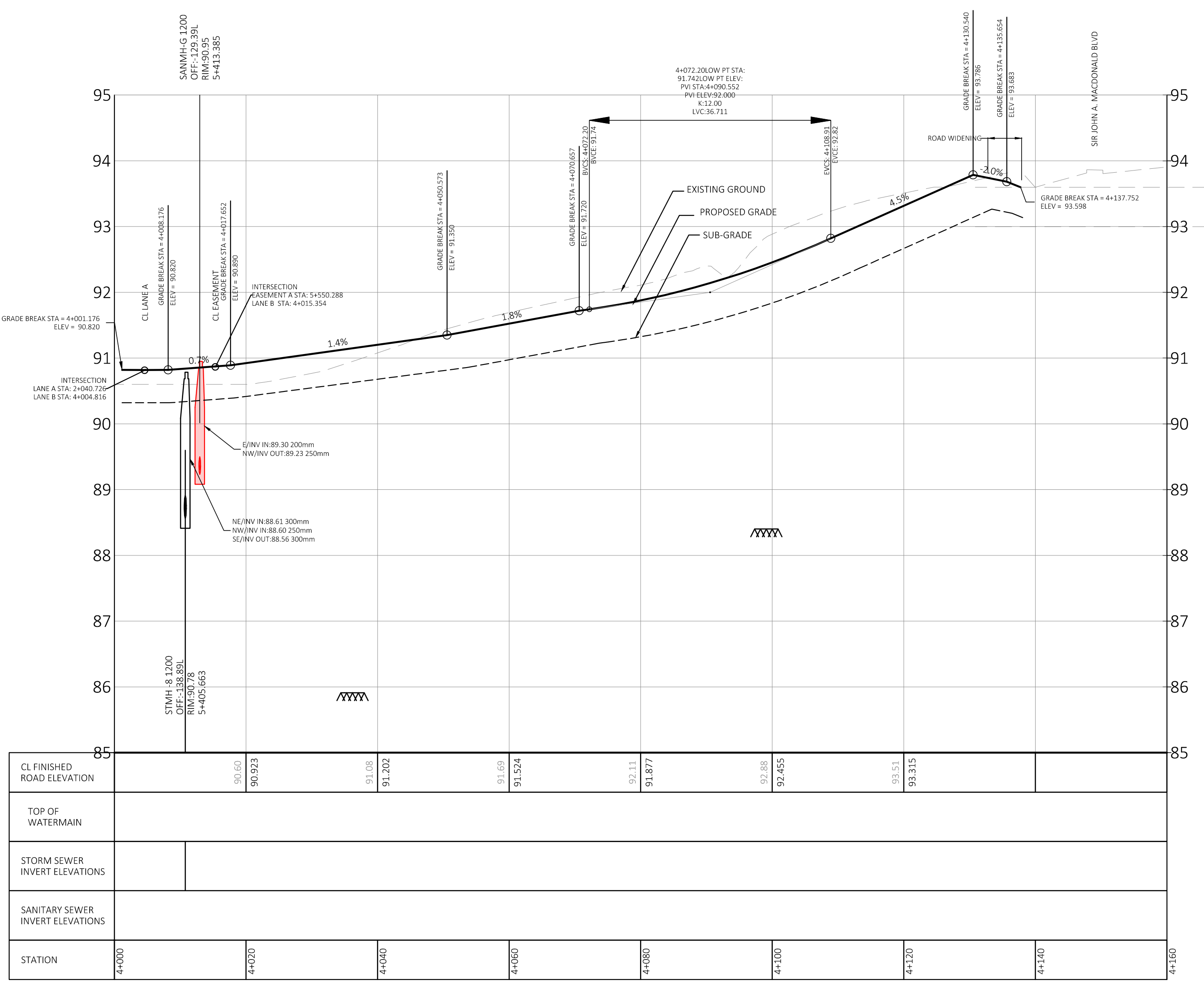
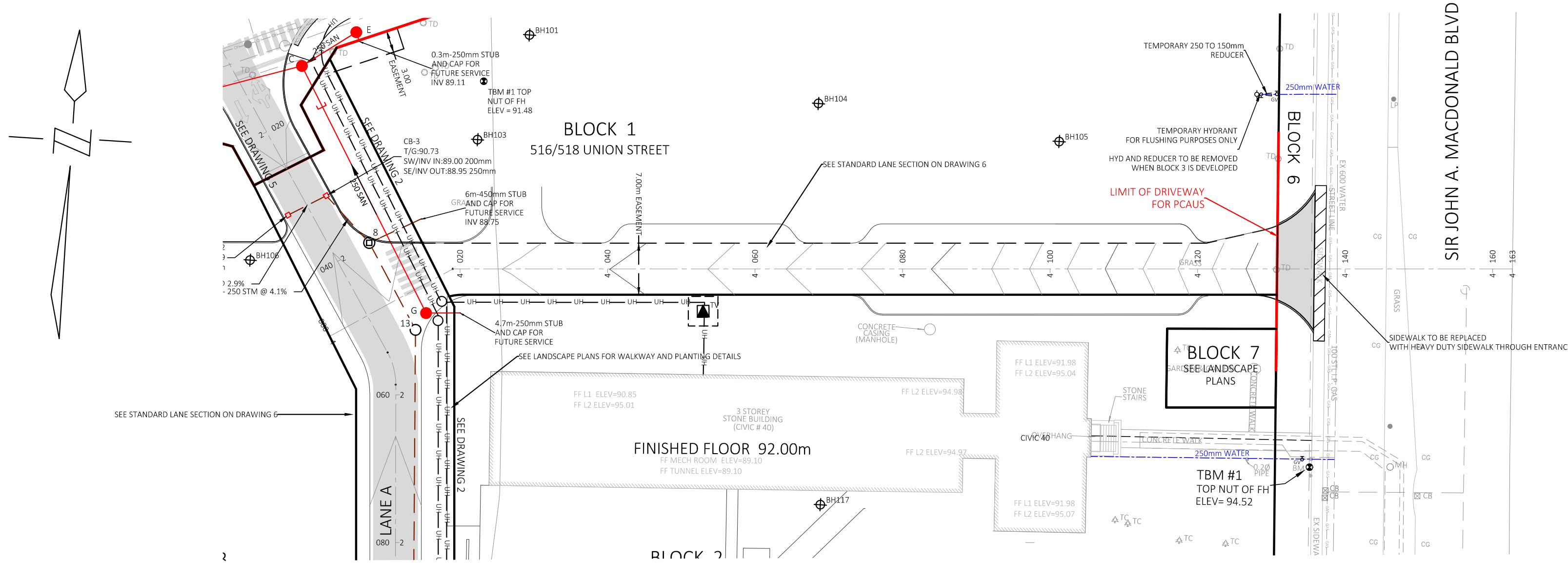
LEGEND	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE		
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNEL GRADE LEVEL BOX (BELL CANADA) 30w x 48 x 24 d		

7	NB	MARCH 3, 2025	REVISED AS PER TECHNICAL COMMENTS	MJ
6	NB	JANUARY 31, 2025	REVISED AS PER TECHNICAL COMMENTS	MJ
5	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MJ
4	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MJ
3	DL	FEBRUARY 1, 2024	REVISED SANITARY SERVICING AS PER CU-ECA APPLICATION COMMENTS	MJ
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MJ
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MJ
No.	By	Date	Revision	Checked

JE Josselyn Engineering Inc.

**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

OWNER:		SIDERIUS DEVELOPMENTS LTD.	
PROJECT:		UNION PARK	
DRAWING TITLE:		BLOCK 5 STA: 5+300 TO STA: 5+380 KING STREET - 3+300 TO STA: 3+355	
Designed By:	M.J.	Date:	MARCH 10, 2023.
Drawn By:	N.B.	792	Drawing No. 4
Checked By:	M.J.		
Scale:		v1:50, h1:500	



LEGEND	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE	98.73	
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNELL GRADE LEVEL BOX (BELL CANADA) 1' 30w x 48 x 24 d	SGLB	SGLB

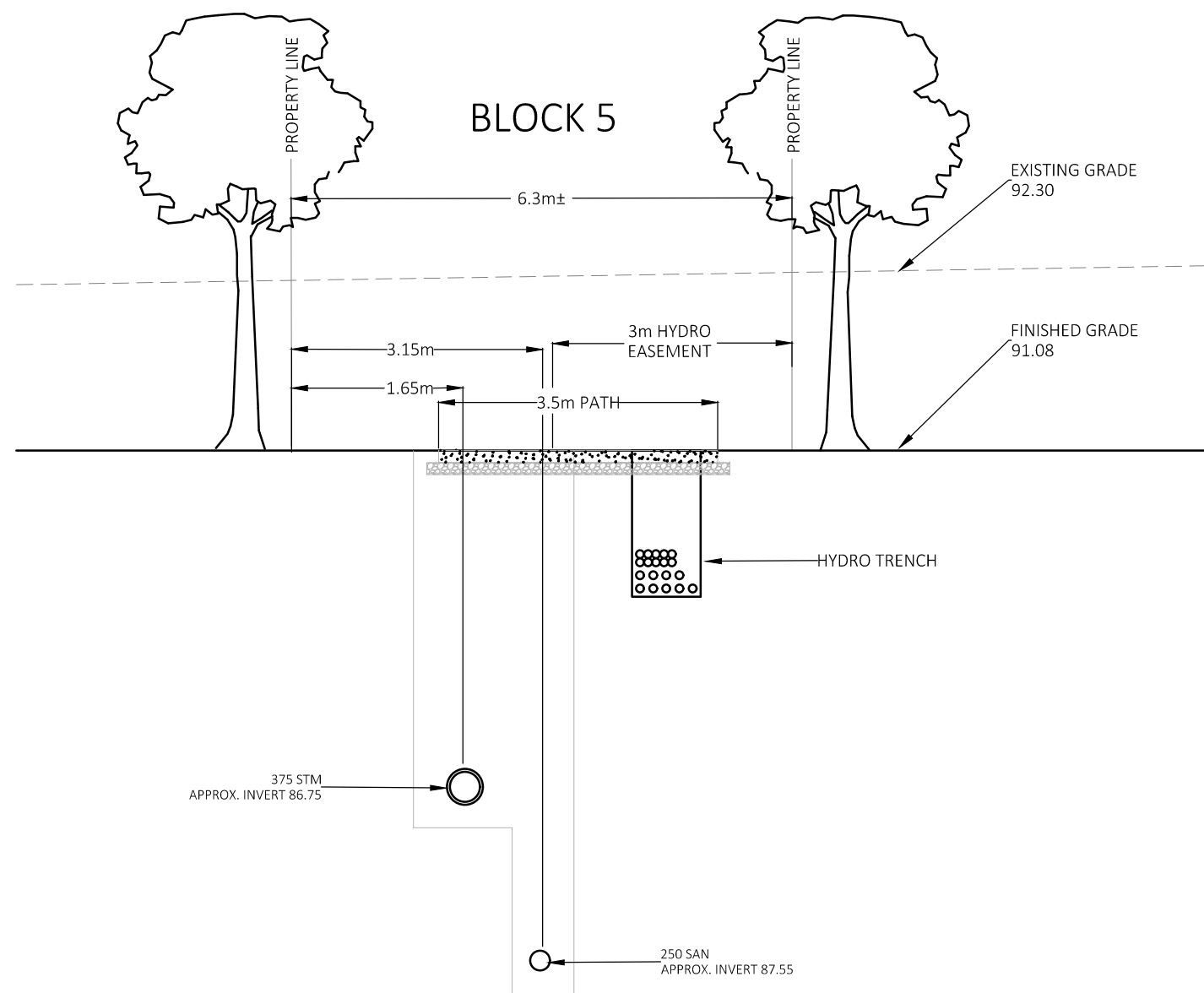
8	NB	MARCH 17, 2025	REVISED AS PER TECHNICAL COMMENTS	MI
7	NB	MARCH 3, 2025	REVISED AS PER TECHNICAL COMMENTS	MI
6	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MI
5	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MI
4	NB	OCTOBER 20, 2023	REVISED SANMH-3 LOCATION	MI
3	NB	OCTOBER 13, 2023	REVISED AS PER CITY COMMENTS	MI
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MI
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MI
No.	By	Date	Revision	Checked

**Josselyn Engineering Inc.**

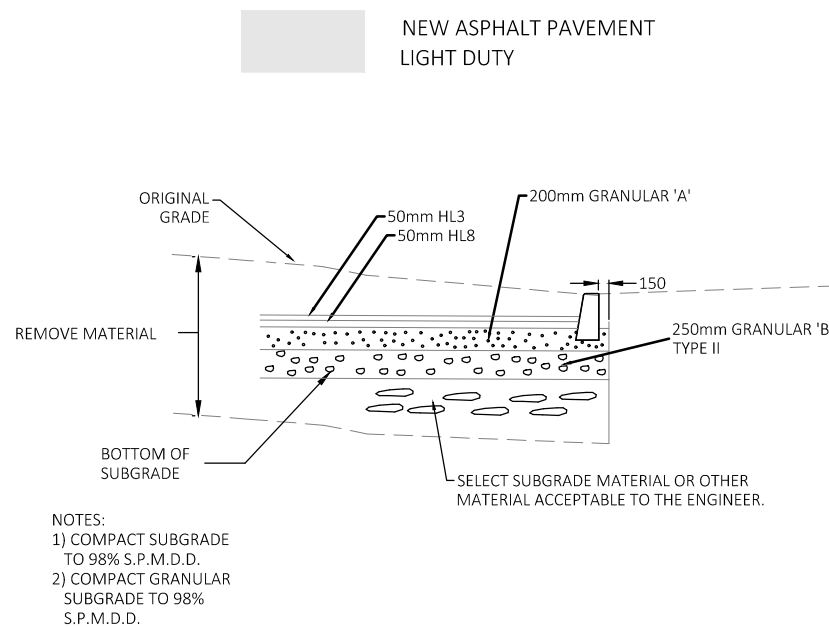


**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

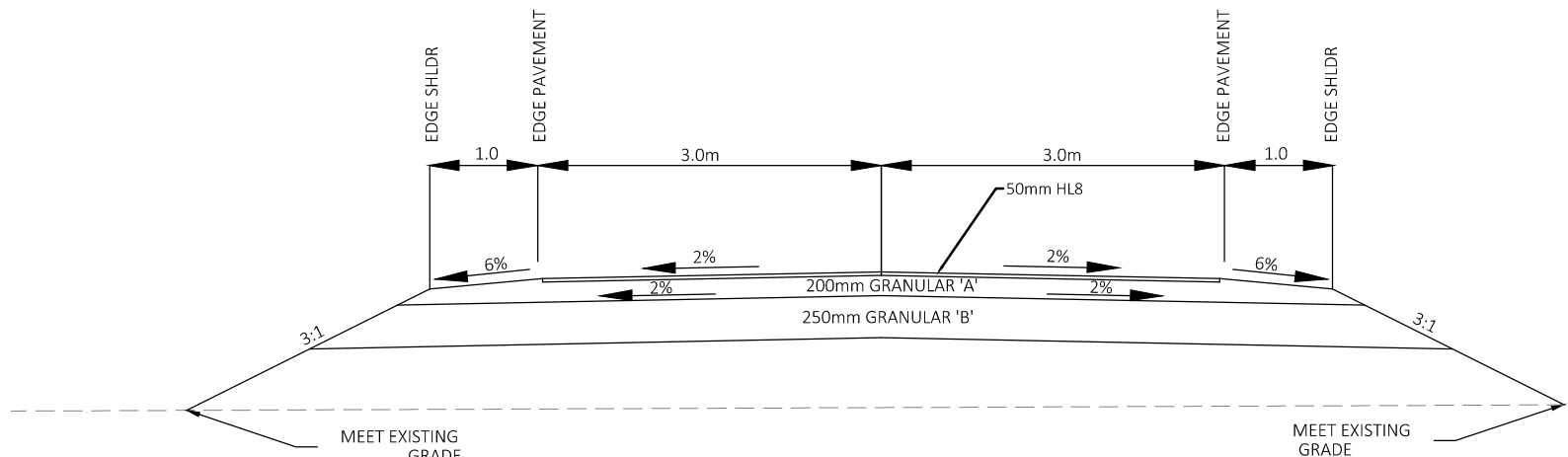
OWNER:		SIDERIUS DEVELOPMENTS LTD.	
PROJECT:		UNION PARK	
DRAWING TITLE:		LANE B STA: 4+000 TO STA: 4+160	
Designed By:	M.J.	Date:	MARCH 10, 2023.
Drawn By:	N.B.	792	Drawing No. 5
Checked By:	M.J.		
		Scale:	v1:50, h1:500



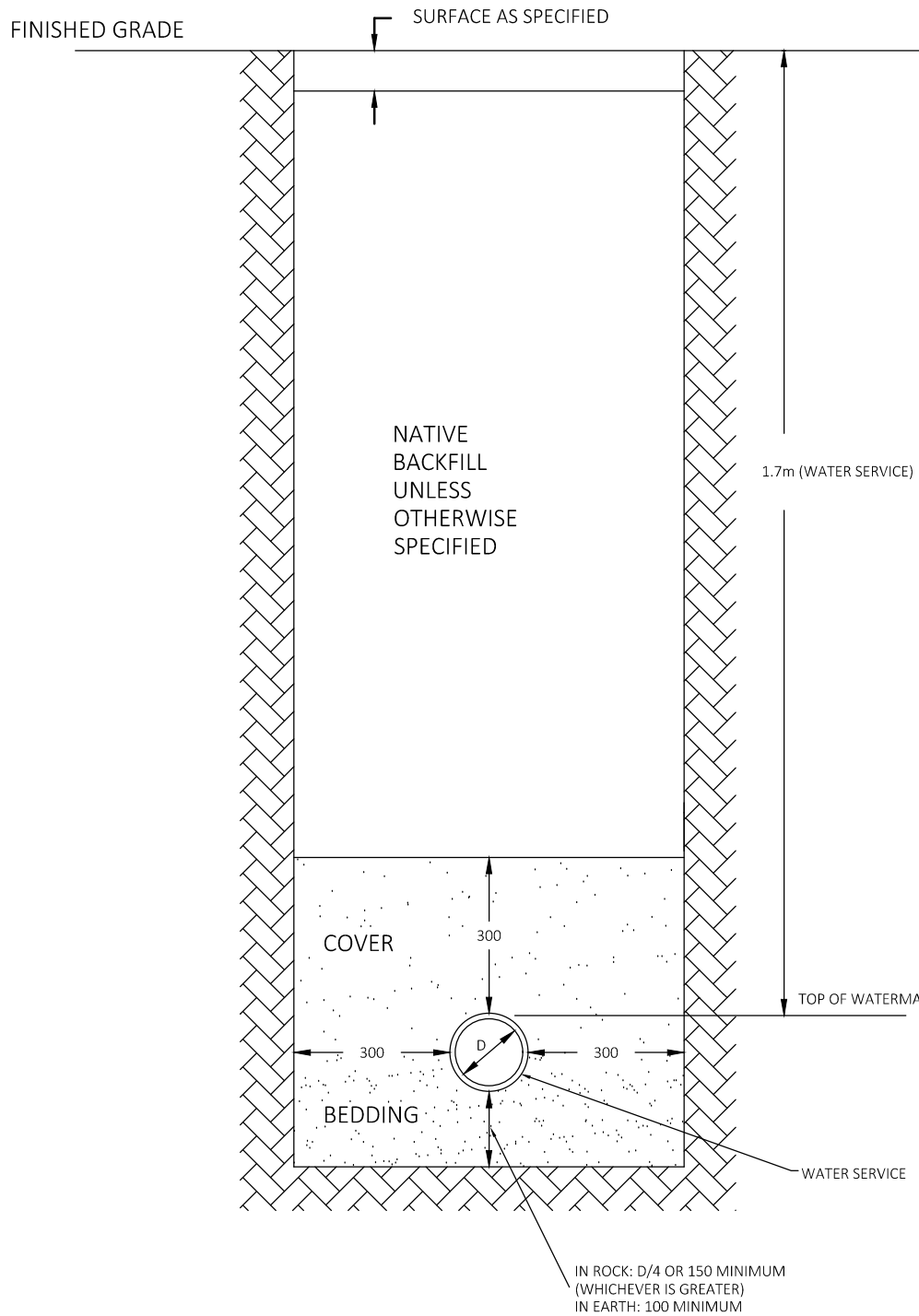
SECTION A-A



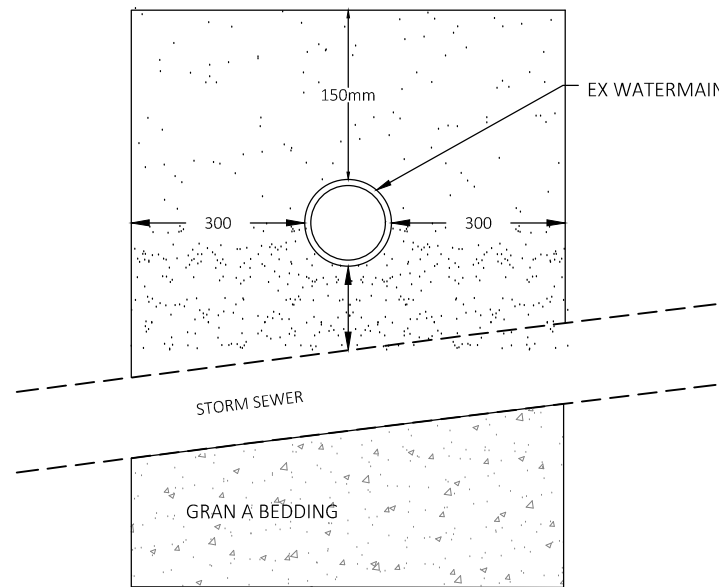
PAVEMENT COMPOSITION



STANDARD LANE CROSS-SECTION



WATER SERVICE IN SINGLE TRENCH



SEWER CROSSING WATERMAIN WITH <300mm

- NOTES:
- THE CONTRACTOR IS TO CHECK, VERIFY AND BE RESPONSIBLE FOR ALL UNDERGROUND SERVICES, STRUCTURES AND UTILITIES. ALL EXISTING UNDERGROUND STRUCTURES, PIPES, CONDUITS, ETC. TO BE EXPOSED PRIOR TO ANY CONSTRUCTION AND ANY POTENTIAL CONFLICTS TO BE REPORTED TO THE ENGINEER.
 - FOLLOWING COMPLETION OF THE SITE WORKS, INCLUDING GRADING AND LANDSCAPING, THE SERVING CONTRACTOR SHALL HAVE THE STORM AND SANITARY SERVICES FLUSHED AND INSPECTED WITH CCTV CAMERA, AND A COPY OF THE CCTV INSPECTION SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT ANY DEFICIENCIES FOUND IN THE SYSTEM, AND SHALL BE RESPONSIBLE TO ENSURE THAT THE SYSTEM IS CLEAN.
 - UNDERGROUND WORKS TO BE INSTALLED AND TESTED IN ACCORDANCE WITH THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS, ONTARIO PROVINCIAL STANDARD DRAWINGS AND THE MUNICIPAL STANDARD DRAWINGS UNLESS SPECIFIED TO THE CONTRARY ON THE PLANS. FIELD TESTING SHALL INCLUDE LOW PRESSURE AIR TESTING OF SANITARY SEWERS, DEFLECTION TESTING OF ALL PLASTIC SEWERS UP TO 325 mm, AND EXFILTRATION TESTING OF SANITARY MANHOLES.
 - A ROAD CUT PERMIT IS TO BE OBTAINED FROM THE MUNICIPALITY PRIOR TO WORK ON THE MUNICIPAL RIGHT-OF-WAY.
 - EXISTING VEGETATION SHALL BE MAINTAINED WHEREVER POSSIBLE, AND SHALL BE PROTECTED DURING CONSTRUCTION.
 - ALL DIMENSIONS ARE IN METRES OR MILLIMETRES UNLESS OTHERWISE SHOWN.
 - EROSION AND SEDIMENT CONTROL**
 - REGARDLESS OF SITE SPECIFIC ITEMS DETAILED ON THE PLANS, THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS SUIT THE PROPOSED WORK METHODS TO CONTROL SEDIMENT FROM RUNNING OFF OF THE SITE. FOLLOWING CONSTRUCTION, DISTURBED AREAS, AS WELL AS PROPOSED GRASSED AND VEGETATED SURFACES, SHALL BE REINSTITATED AS SOON AS PRACTICAL.
 - DURING CONSTRUCTION, THE EROSION CONTROL MEASURES ARE TO BE INSPECTED DAILY, AND REPAIRED AS NECESSARY TO CONTAIN ANY SEDIMENT. THIS REQUIREMENT SHALL CONTINUE UNTIL CONSTRUCTION ON THE SITE IS COMPLETE, FOLLOWING WHICH THE CONTRACTOR SHALL INSPECT THE BARRIER AS NECESSARY TO MAINTAIN ITS FUNCTION. THE OWNER SHALL REMOVE THE BARRIER ONCE THE SITE VEGETATION HAS BEEN WELL ESTABLISHED.
 - WATER SERVICES**
 - WATERMANS TO BE PVC CLASS 235 (OR 18) TO CSA B137.3 AND AWWA C900, OR DUCTILE IRON PRESSURE CLASS 350 TO AWWA C151. WATERMANS SHALL NOT BE USED AS AN ELECTRICAL GROUND IN NEW BUILDINGS. WATERMANS TO BE EVENLY GRADED, AS SHOWN ON THE PROFILE DRAWINGS, TO MINIMIZE LOCAL HIGH POINTS.
 - WATER SERVICES ARE TO BE PVC CLASS 150 (OR 18), OR DUCTILE IRON PRESSURE CLASS 350 TO AWWA C15, AT A MINIMUM DEPTH OF 1.7 METRES OF COVER. WATER SERVICE SHALL NOT BE USED AS AN ELECTRICAL GROUND IN NEW BUILDINGS. WATER SERVICE TO BE EVENLY GRADED TO MINIMIZE LOCAL HIGH POINTS.
 - PVC
 - INCLUDE TRACER WIRE AS PER U.K. DETAIL, DRAWING FIGURE 2W4, WITH ONE (1) 2.3 kg ZINC ANODE FOR EVERY 500 m OF TRACER WIRE. CONNECT TRACER WIRE TO EXISTING TRACER WIRE, AND PROVIDE SUFFICIENT WIRE COILS AT BUILDING FACE TO ALLOW TRACER WIRE TO BE EXTENDED INTO BUILDING, FOR CONNECTION BY MECHANICAL.
 - INSTALL ONE (1) 7.7 kg MAGNESIUM ANODE ON EVERY VALVE, HYDRANT AND FITTING. ALL THERMITE WELD CONNECTIONS SHALL BE COATED WITH ROBOND 747 PRIMER AND ROBOND "HANDY CAP" OR APPROVED EQUIV.
 - PVC FITTINGS MAY BE USED WITH PVC PIPE.
 - PRIOR TO CONNECTING THE NEW WATER SERVICE TO THE EXISTING, DISINFECTION AND BACTERIOLOGICAL TESTING OF THE NEW WATER SERVICE MUST BE COMPLETED AND RESULTS SUPPLIED TO UTILITIES KINGSTON AND THE CITY OF KINGSTON FOR APPROVAL PRIOR TO LINE BEING PUT INTO SERVICE. THE ENGINEER SHALL SUPERVISE AND REPORT ON WATER SERVICE TESTING IN ACCORDANCE WITH UTILITIES KINGSTON TESTING REQUIREMENTS FOR NEW WATER SERVICE AND LARGE DIAMETER SERVICES. FOR ALL SERVICES 100 mm AND LARGER, THE CONTRACTOR SHALL BE IN POSSESSION OF AND FAMILAR WITH THE TESTING GUIDELINES AND REQUIREMENTS. IF THE CONTRACTOR DOES NOT HAVE THE REQUIREMENTS, THE CONTRACTOR IS TO ASK FOR THEM. THE CONTRACTOR IS TO ENSURE THAT THE ENGINEER IS ADVISED AS TO THE REQUIRED SCHEDULE FOR TESTING. WATER SERVICES LESS THAN 100 mm ARE TESTED BY THE CITY OF KINGSTON BUILDING INSPECTION DEPARTMENT AND THE CONTRACTOR IS RESPONSIBLE TO SCHEDULE THE NECESSARY INSPECTIONS, AND ENSURE THAT THEY ARE COMPLETED. WATER SERVICES THAT ARE PART OF THE FIRE SUPPRESSION SYSTEM FOR THE SITE SHALL BE PRESSURE TESTED TO 100 psi.
 - SMALL DIAMETER WATER SERVICES ARE TO BE "TYPE" C COPPER MEETING NSF 61, OR CROSS LINKED HIGH DENSITY POLYETHYLENE MEETING NSF 14 AND 61 UNLESS OTHERWISE NOTED, AT A MINIMUM DEPTH OF 1.7 METRES.
 - NON CONDUCTIVE MATERIALS WILL REQUIRE TRACER WIRE. #12AWG SOLID COPPER TYPE TWIM. A SHOP DRAWING FOR TRACER WIRE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE PROOF OF TRACER WIRE CONTINUITY FROM MUNICIPAL MAIN TO BUILDING.
 - ALL 50 mm SERVICES, OR ANY SERVICE LONGER THAN 20m LONG TO HAVE A 5 kg ZINC ANODE INSTALLED IN ACCORDANCE WITH U.K. DETAIL DRAWING FIGURE 2W6.
 - WATER SERVICE SHOULD CROSS ABOVE SEWERS WHEREVER POSSIBLE. WHETHER THE WATER SERVICE IS ABOVE OR BELOW THE SEWER, A MINIMUM VERTICAL DISTANCE OF 500mm BETWEEN THE OUTSIDE OF THE WATER SERVICE AND THE OUTSIDE OF THE SEWER SHOULD BE PROVIDED TO ALLOW FOR PROPER BEDDING A STRUCTURAL SUPPORT OF THE WATER SERVICE AND SEWER PIPE. SUFFICIENT STRUCTURAL SUPPORT FOR THE SEWER PIPES SHOULD BE PROVIDED TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHOULD BE CENTERED AT THE POINT OF CROSSING SO THAT JOINTS IN THE WATER SERVICE WILL BE EQUIDISTANT AND AS FAR FROM THE SEWER, CROSSING PERPENDICULAR IF POSSIBLE.
 - TEMPORARY SWAB LAUNCHING AS WELL AS RETRIEVAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL FIGURES 2W8 AND 2W9.
 - GATE VALVES**
 - GATE VALES ARE TO BE SUPPLIED WITH RESILIENT SEAT, ARE TO OPEN CLOCKWISE, AND HAVE A COMPOUND OPERATING NUT CONFORMING TO DETAIL FIGURE 2W1.
 - HYDRANTS**
 - HYDRANTS ARE TO BE INSTALLED AS PER U.K. DETAIL DRAWING W03-D3-116.
 - HYDRANTS TO HAVE 150 mm BARREL, WITH TWO 63 mm HOSE CONNECTIONS AND ONE 100 mm STORE PUMPER PORT CONNECTION ALL CLOCKWISE OPENING.
 - HYDRANTS ARE TO BE CLOW BRIGADIER D67M OR CANADA VALVE CENTURY 21, TO UTILITIES KINGSTON SPECIFICATIONS.
 - MUNICIPAL HYDRANTS TO BE CHROME YELLOW, PRIVATE HYDRANTS TO BE RED. BONNETS AND NOZZLES WILL BE RE PAINTED FOLLOWING FLOW RATING. THE CONTRACTOR SHALL CONTACT UTILITIES KINGSTON FOLLOWING CONNECTION TO THE MUNICIPAL SYSTEM, TO HAVE ALL NEW HYDRANTS DATED AND COLOUR CODED.
 - HYDRANTS TO BE PROTECTED BY 1.0m x 1.0m x 150 mm SHOCK COLLAR, THE TOP OF WHICH SHALL BE 150 mm BELOW THE FLANGE.
 - SANITARY SEWER**
 - SANITARY MAINS AND SERVICES TO BE PVC OR 35 EQUAL TO CSA B142.2, CSA B142.3 OR CSA B137.3. BRANCH CONNECTIONS TO BE PRE-MANUFACTURED WYE FITTINGS (CSA CERTIFIED) UNLESS OTHERWISE SPECIFIED. ALL JOINTS TO BE BELL AND SPIGOT TYPE UNLESS OTHERWISE SPECIFIED.
 - SEWER BEDDING AND COVER IS TO BE IN ACCORDANCE WITH OPSS 3010, AND MEET O.B.C. REQUIREMENTS FOR GRANULAR "A" SPECIFICATIONS.
 - STORM SEWER**
 - STORM MAINS AND CATCHBASIN LEADS TO BE REINFORCED CONCRETE 65-D (CL III) OR PVC OR 35, OR POLYETHYLENE (OPSS 1840 AND OPSS 806.02 CLASS 300).
 - ALL JOINTS TO BE BELL AND SPIGOT TYPE UNLESS OTHERWISE SPECIFIED.
 - SINGLE CATCHBASIN LEADS TO BE 250mm (UNLESS NOTED OTHERWISE). TWIN INLET CATCHBASIN LEADS TO BE 300mm (UNLESS NOTED OTHERWISE).
 - SEWER BEDDING AND COVER IS TO BE IN ACCORDANCE WITH OPSS 3010, AND MEET O.B.C. REQUIREMENTS FOR GRANULAR "A" SPECIFICATIONS.
 - MAINTENANCE HOLES AND CATCHBASINS**
 - MANHOLES AND CATCHBASINS TO MEET THE REQUIREMENTS OF THE OPSS 700 SERIES. SHOP DRAWINGS ARE TO BE PROVIDED TO THE ENGINEER PRIOR TO FABRICATION.
 - MANHOLES TO BE 1200mm DIAMETER PRECAST CONCRETE OPSS 701.010 UNLESS NOTED OTHERWISE.
 - SANITARY MANHOLES TO HAVE FRAME AND COVER OPSS 401.01 TYPE 'A' (CLOSED COVER).
 - STORM MANHOLES TO HAVE FRAME AND COVER OPSS 401.01 TYPE 'B' (OPEN COVER).
 - ALL MANHOLES TO BE BENCHED PER OPSS 701.021 SPECIFICATIONS UNLESS OTHERWISE NOTED.
 - SINGLE CATCHBASINS TO BE OPSS 705.010, DOUBLE CATCHBASINS TO BE OPSS 705.020. FRAMES AND GRATES TO BE OPSS 400.010 UNLESS NOTED OTHERWISE.
 - ALL CONCRETE CURBS TO BE BARRIER CURB OPSS 400.110 UNLESS SPECIFIED OTHERWISE.
 - DEPRESS CURB WHERE ADJACENT TO SIDEWALK AS SHOWN ON CURB DETAIL ON DETAIL DRAWING SHEET.
 - IN THE EVENT THAT BURIED OR PREVIOUSLY UNDISCOVERED ARCHAEOLOGICAL DEPOSITS ARE DISCOVERED IN THE COURSE OF DEVELOPMENT OR SITE ALTERATION, ALL WORK MUST IMMEDIATELY CEASE AND THE SITE MUST BE SECURED. THE CULTURAL PROGRAM BRANCH OF THE MINISTRY OF TOURISM AND CULTURE (416-314-7123) AND THE CITY OF KINGSTON HERITAGE PLANNER (613-546-4291 EXT 1386) MUST BE IMMEDIATELY CONTACTED.
 - IN THE EVENT THAT HUMAN REMAINS ARE ENCOUNTERED, ALL WORK MUST IMMEDIATELY CEASE AND THE SITE MUST BE SECURED. THE KINGSTON POLICE (613-549-4660), THE REGISTRAR OF CEMETERIES REGULATION SECTION OF ONTARIO MINISTRY OF CONSUMER BUSINESS SERVICES (416-326-7123), AND THE CITY OF KINGSTON HERITAGE PLANNER (613-546-4291 EXT 1386) MUST BE IMMEDIATELY CONTACTED.
 - THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS WITHIN 120 m OF BLASTING OPERATIONS, 48 HOURS PRIOR TO BLASTING. BLASTING SHALL NOT TAKE PLACE UNTIL THIS HAS BEEN COMPLETED.
 - THE CITY OF KINGSTON'S ENVIRONMENT DIVISION IS ADVISED THAT CONTAMINANTS OR WASTES HAVE BEEN DISCOVERED OR ARE SUSPECTED.
 - ANY SOIL OR GROUNDWATER CONTAMINATION ENCOUNTERED IS REMEDIATED TO APPLICABLE STANDARDS AS DEFINED WITHIN O. REG. 153/04 OR AS REVISED.
 - ANY WASTES GENERATED BY SITE CLEAN UPS ARE MANAGED IN ACCORDANCE WITH APPLICABLE LAWS AND STANDARDS.
 - ANY ABANDONED FUEL TANKS ENCOUNTERED ARE DECOMMISSIONED IN ACCORDANCE WITH APPLICABLE LAWS AND STANDARDS.
 - ANY UNUSED WATER WELLS (DRILLED OR DUG) ARE PROPERLY ABANDONED IN ACCORDANCE WITH ONTARIO REGULATION 903 - WELLS OR AS REVISED.
 - IF IT APPEARS LIKELY THAT CONTAMINATION EXTENDS BEYOND THE BOUNDARIES OF THE SUBJECT PROPERTY, THE OWNER NOTIFIES THE LOCAL OFFICE OF THE MINISTRY OF THE ENVIRONMENT AND THE CITY OF KINGSTON'S ENVIRONMENT DIVISION.
 - CONSTRUCTION WASTES ARE NOT TO BE BURIED WITHIN THE PROPERTY THAT IS THE SUBJECT OF THIS AGREEMENT, AND
 - THAT THE OWNER AND THEIR CONTRACTORS REPORT ALL SPILLS TO THE MINISTRY OF THE ENVIRONMENT'S SPILLS ACTION CENTRE (1-800-268-6050) AND TO THE MUNICIPALITY (546-4291 EXT. 1368) FORTHWITH.
 - THE DEVELOPER WILL BE RESPONSIBLE FOR ENSURING ANY MANHOLE, VALVE BOX, CURB BOX, HYDRANT, POLE OR OTHER STRUCTURE AFFECTED BY CHANGES IN GRADE IS ADJUSTED TO THE SATISFACTION OF UTILITIES KINGSTON.
 - PRECAUTIONS MUST BE TAKEN TO ENSURE THAT MUNICIPAL CONSTRUCTION VEHICLES AND MATERIALS DON'T DISTURB THE DRIVING OR ROAD QUALITY OF STREETS WHEN ENTERING OR EXITING THE SITE DURING CONSTRUCTION. STREETS ARE TO BE KEPT CLEAR OF DEBRIS AND ALL OTHER DELIBERATE CONSTRUCTION MATERIALS.
 - APPROVED FIRE ROUTE SIGNS WILL BE REQUIRED TO BE ERECTED ALONG THE PROPOSED FIRE ROUTE PRIOR TO OCCUPANCY.
 - THE GAS SERVICE SHOWN IS FOR PLANNING PURPOSES ONLY. TO INITIATE A FINAL DESIGN FOR CONSTRUCTION PURPOSES, THE CONTRACTOR IS TO CONTACT ENBRIDGE GAS.
 - TACTILE WARNING PLATES SHALL BE KINESIK ADVANTAGE CAST IRON WITH ONYX BLANK POWDER COATING OR APPROVED EQUIVALENT. MINIMUM 2 PLATES PER RAMP.

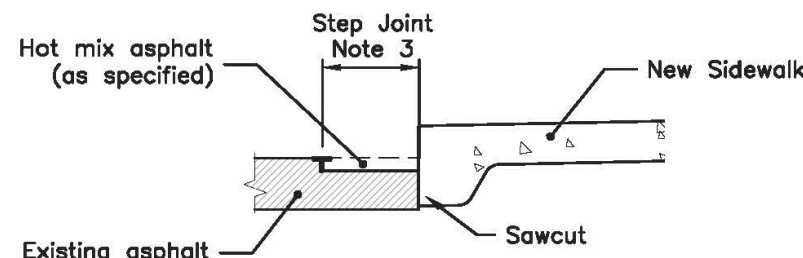
LEGEND	EXISTING	PROPOSED
TRANSFORMER VAULT ON CONC. PAD		
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (COVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE		
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNEL GRADE LEVEL BOX (BELL CANADA) 130w x 48 x 24 d		

4	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN		MJ
3	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT		MJ
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL		MJ
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS		MJ
No.	By	Date	Revision		Checked

Josselyn Engineering Inc.

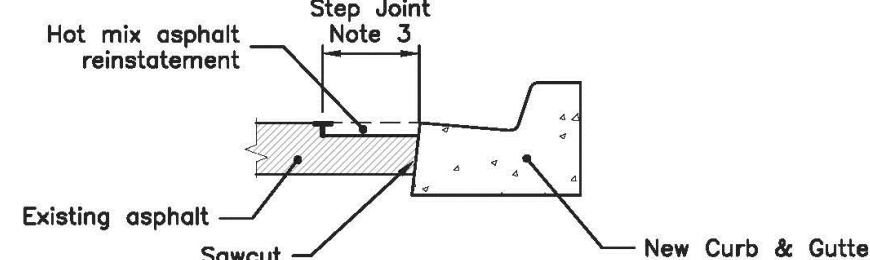
**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

OWNER: SIDERIUS DEVELOPMENTS LTD.			
PROJECT: UNION PARK			
DRAWING TITLE: DETAILS			
Designed By: M.J.	Date: MARCH 10, 2023.	Project No. 792	Drawing No. 6
Drawn By:			
Checked By: M.J.	Scale: N/A		



REINSTATEMENT DETAILS

at New Sidewalk Installations



REINSTATEMENT DETAILS

at New Curb & Gutter Installations

NOTES

- 1 Hot mix asphalt type as specified. The surface course to be placed in a 40mm lift. Asphalt shall be installed with attention paid to grade and ride. Inappropriate installation will be rejected and reinstatement required.
- 2 All granular material, whether used as backfill in the trench excavation or as road base, shall be compacted to 100% Standard Proctor Density. Compaction must be at a minimum by a 1000lb plate packer. 'Jumping Jack' not permitted and a maximum 150mm lifts.
- 3 The step joint shall be 500mm min. wide and 40mm deep.

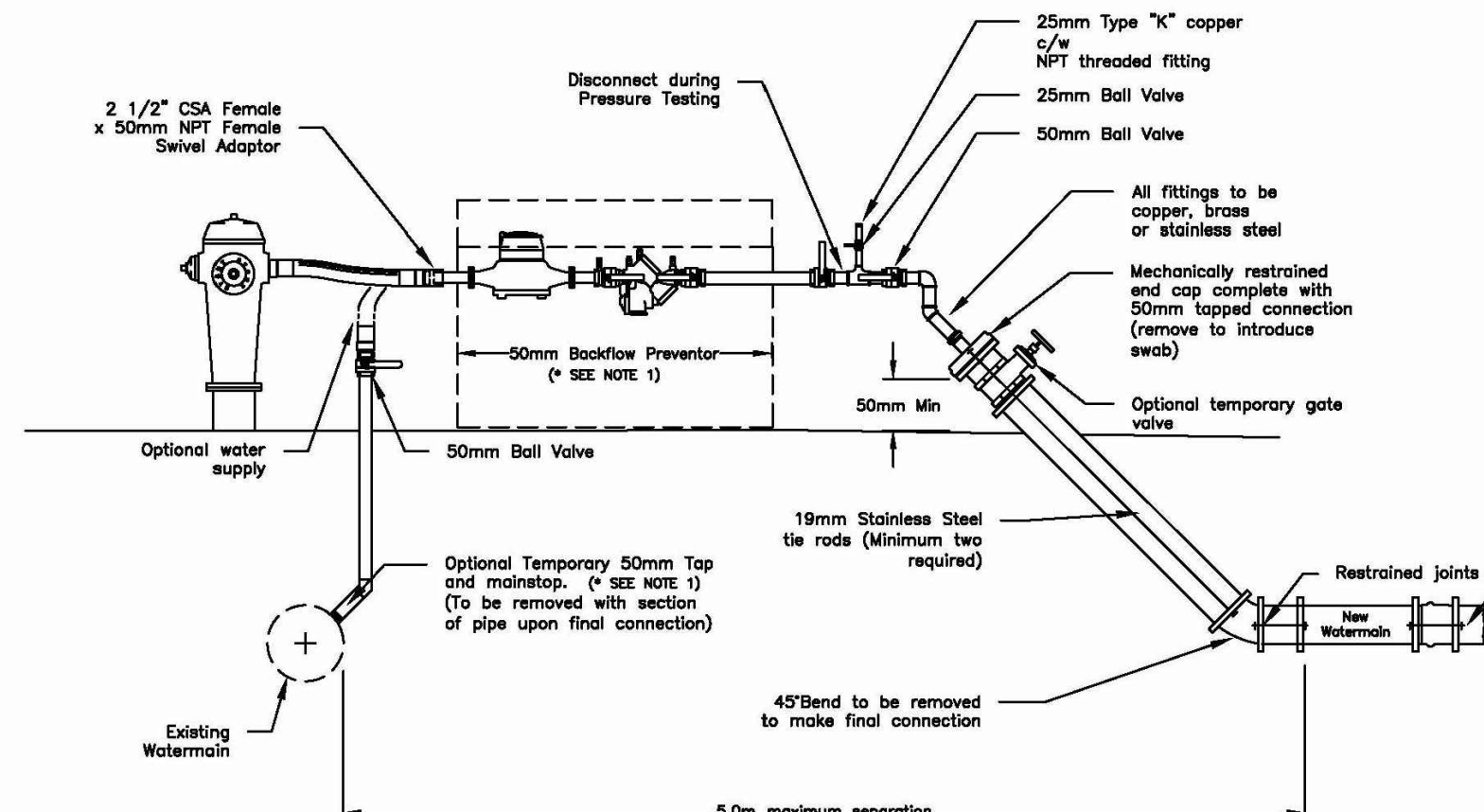
Apply MACSEAL 6690-2 or equal sealant to the vertical surfaces of the top lift asphalt and provide 50mm overbanding at the surface (i.e. crack seal)

An inspector from the City's Engineering Department must be on site prior to installation of any asphalt, and should be contacted 48 hours prior to the work.

CITY OF KINGSTON
Engineering Department

ASPHALT REINSTATEMENT
Curb/Sidewalk Installation
Formed

All dimensions are in millimetres or metres unless otherwise shown.



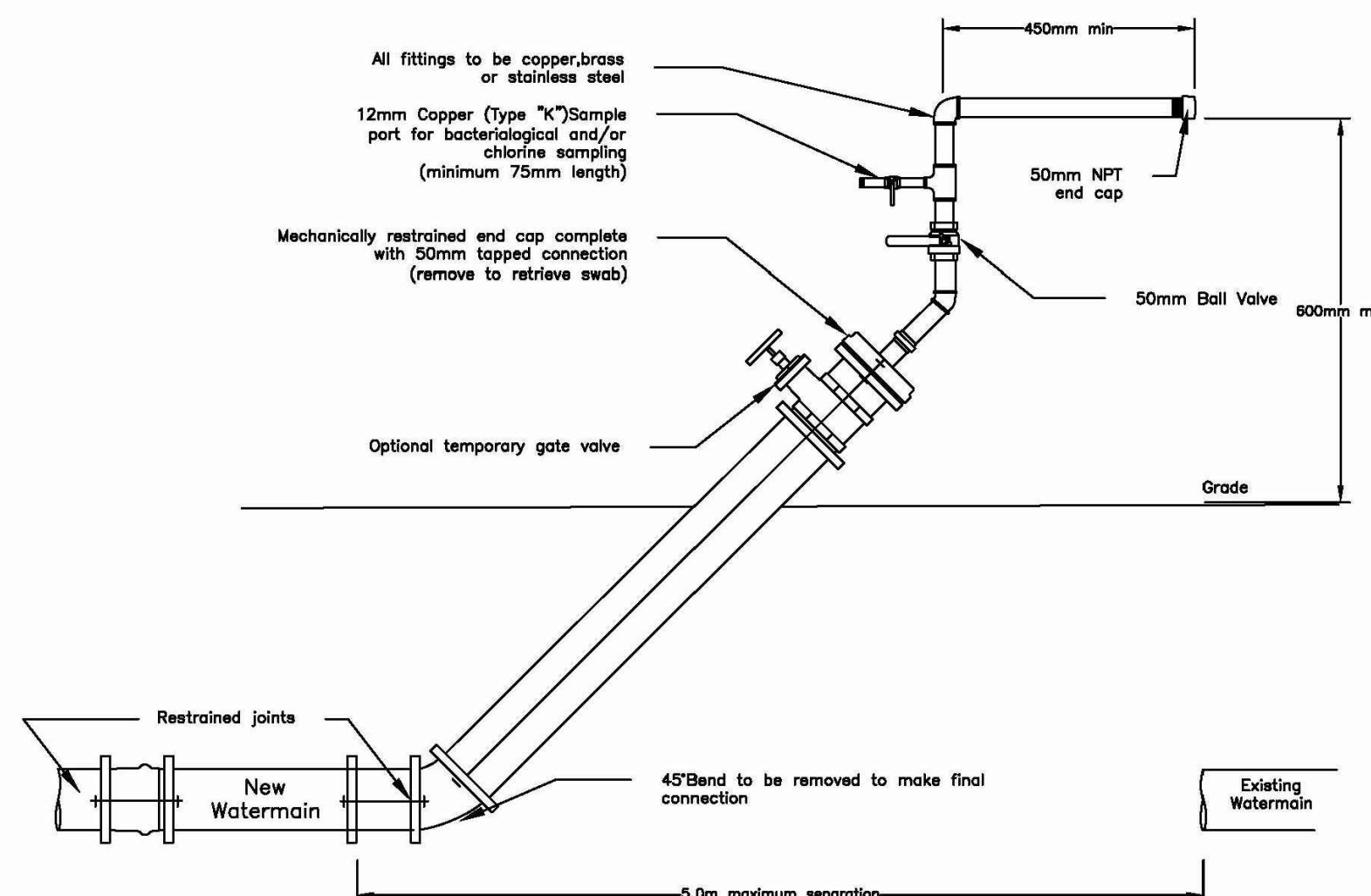
Note 1:
For flushing and passing of swabs (not the chlorination step) on 400mm and larger watermains, a 100mm connection and/or direct connection to the 100mm Storz port of the hydrant will be permitted complete with a 100mm double check backflow preventer.

Temporary Flush/Swab Launch and Testing Detail



RH	Jan 2012	SCALE	N
----	----------	-------	---

Figure 2W



Temporary Flush/Swab Retrieval and Testing Detail



RH	May 2011	SCALE	N
----	----------	-------	---

Figure 2W

TRANSFORMER VAULT ON CONC. PAD	EXISTING	PROPOSED
PAVEMENT		
CONCRETE CURB TYPE		
DITCH		
STORM SEWER & MANHOLE WITH DIRECTION OF FLOW		
SAN. SEWER & MANHOLE WITH DIRECTION OF FLOW		
WATERMAIN AND VALVE		
GAS METER LOCATION		
GAS MAIN		
HYDRO (UNDERGROUND)		
HYDRO (OVER HEAD)		
SINGLE CATCH BASIN		
DITCH INLET CATCH BASIN		
TWIN INLET CATCH BASIN		
CATCH BASIN MANHOLE		
HYDRANT & VALVE BOX		
BELL UTILITY POLE & ANCHOR		
HYDRO UTILITY POLE & ANCHOR		
STREET LIGHT		
TREES		
PROPERTY BOUNDARY		
EASEMENT		
FENCE		
SILT FENCE		
BENCH MARK LOCATION		
EXISTING GRADE		
PROPOSED GRADE		
DOOR		
HEAVY DUTY ASPHALT		
LIGHT DUTY ASPHALT		
CONCRETE		
TEST PIT LOCATION		
CHANNELL GRADE LEVEL BOX (BELL CANADA) 30w x 48 x 24 d		

[illegible]

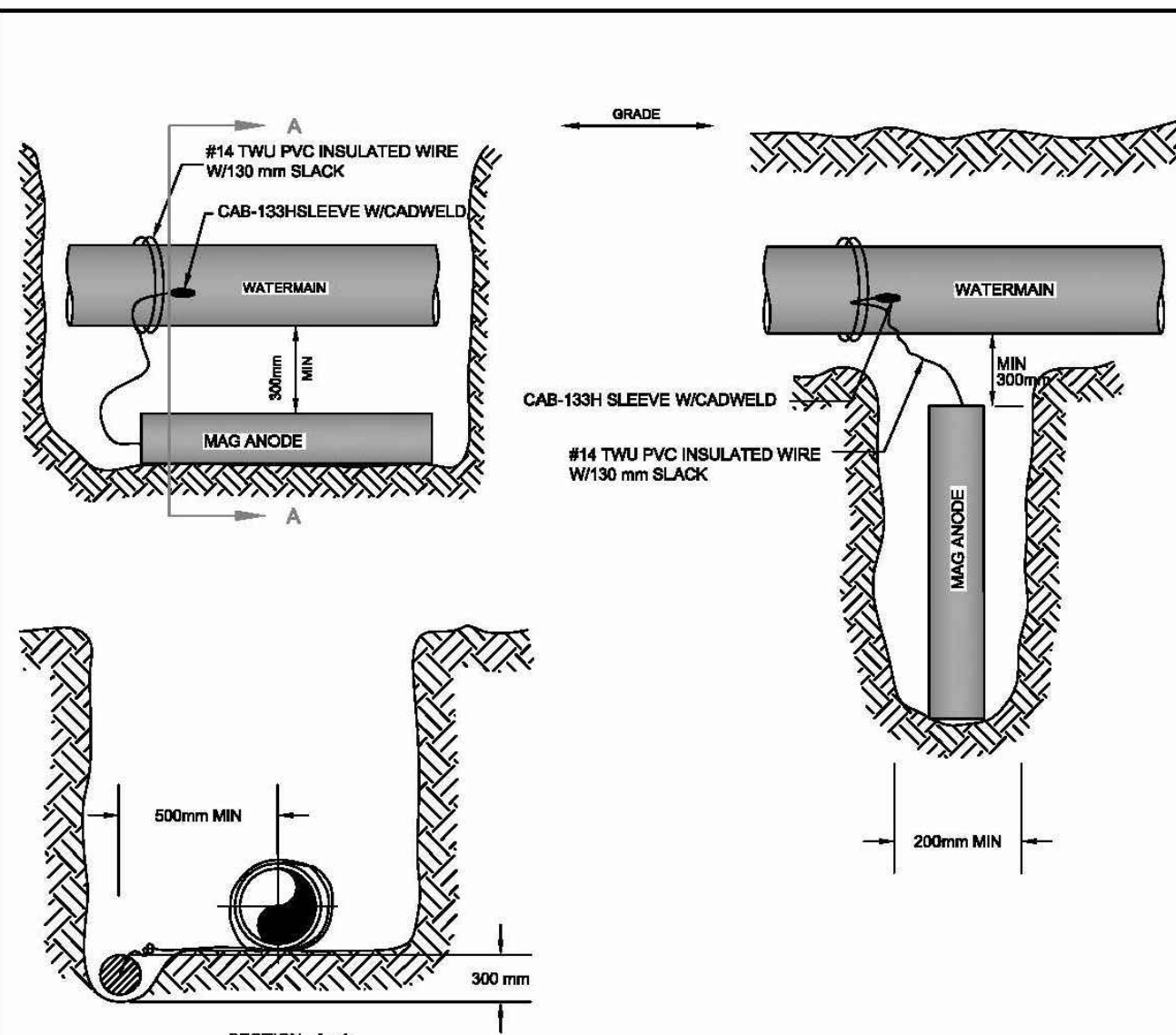
**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

OWNER: SIDERIUS DEVELOPMENTS LTD.

PROJECT:
UNION PARK

DRAWING TITLE:
DETAIL

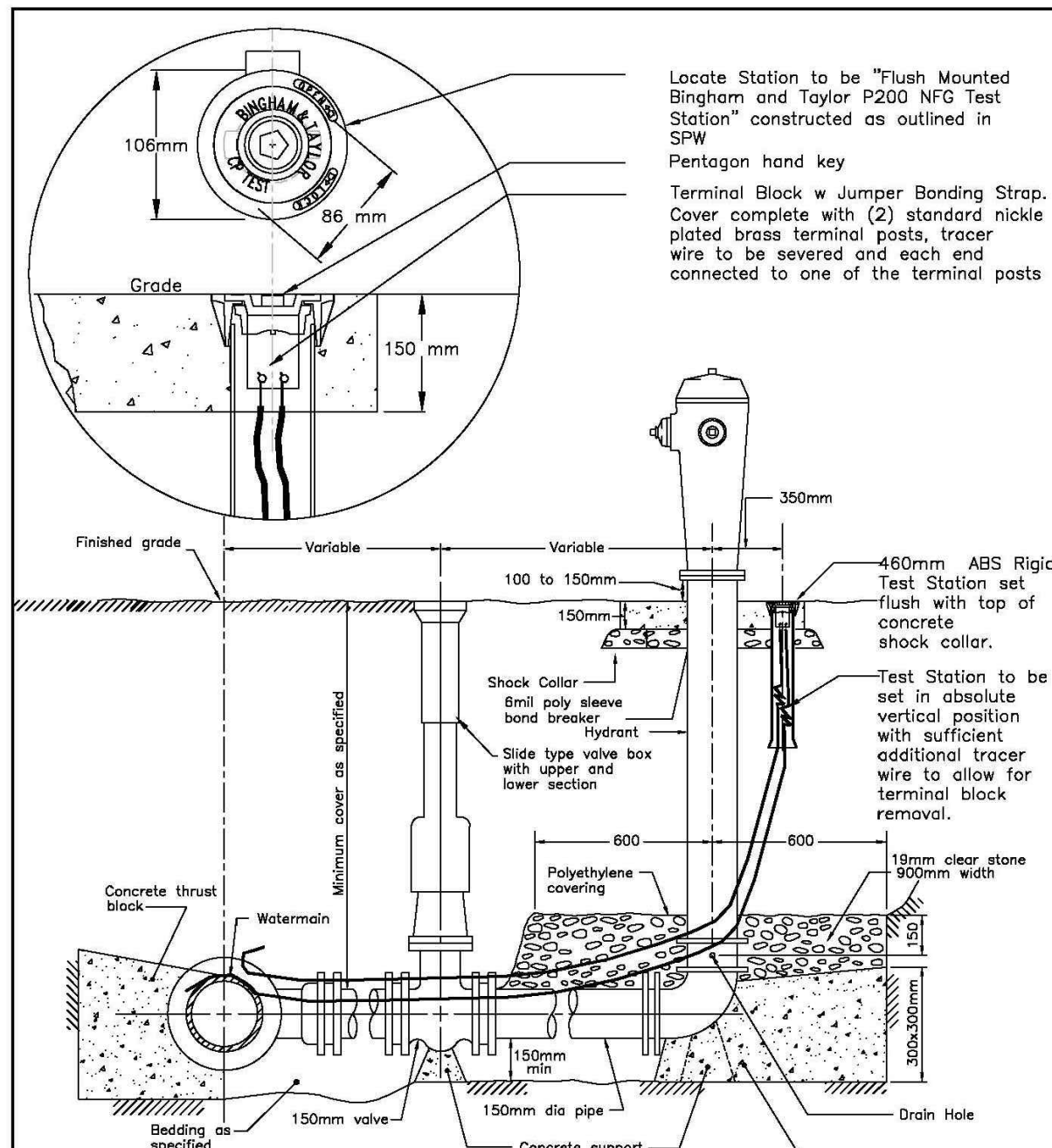
Designed By: M.J.	Date: MARCH 10, 2023.	Project No. 792	Drawing No. 7
Drawn By:			
Checked By: M.J.	Scale: N/A		



TYPICAL ANODE INSTALLATION



Revision: Feb 26, 2010
Scale: NTS
Drawing No.: Figure 2W6



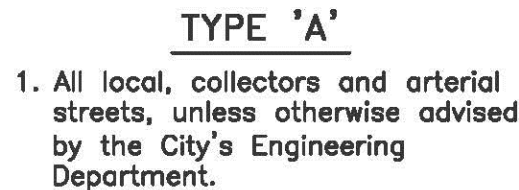
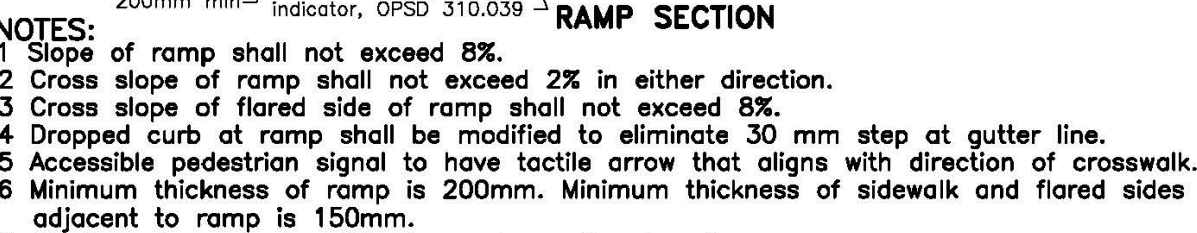
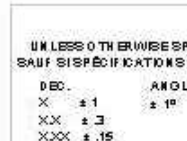
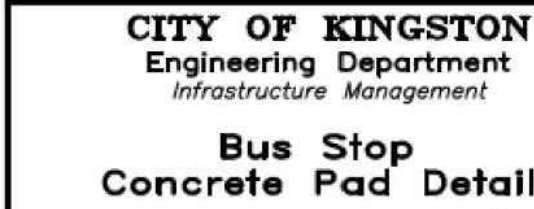
NOTES:

- A All concrete thrust blocks to be poured against undisturbed ground.
- B Bond breaker to be used between the concrete and the fittings and appurtenances.
- C Bolts and nuts for buried flange to flange connections are to be stainless steel.
- D Flange of standpipe extensions not to be in frost zone.
- E Concrete Shock Collar to be 1.0m x 1.0m x 150mm , broom finished with trowelled edges
- F Derived from OPSS 1105.010

**Typical Fire Hydrant with
Flush Mounted
Two Terminal Test Station**



R.H.	Oct 2013	SCALE N
W03-03-116		



JE Josselyn Engineering Inc.



OWNER: SIDERIUS DEVELOPMENTS LTD.

PROJECT: UNION PARK

DRAWING TITLE:

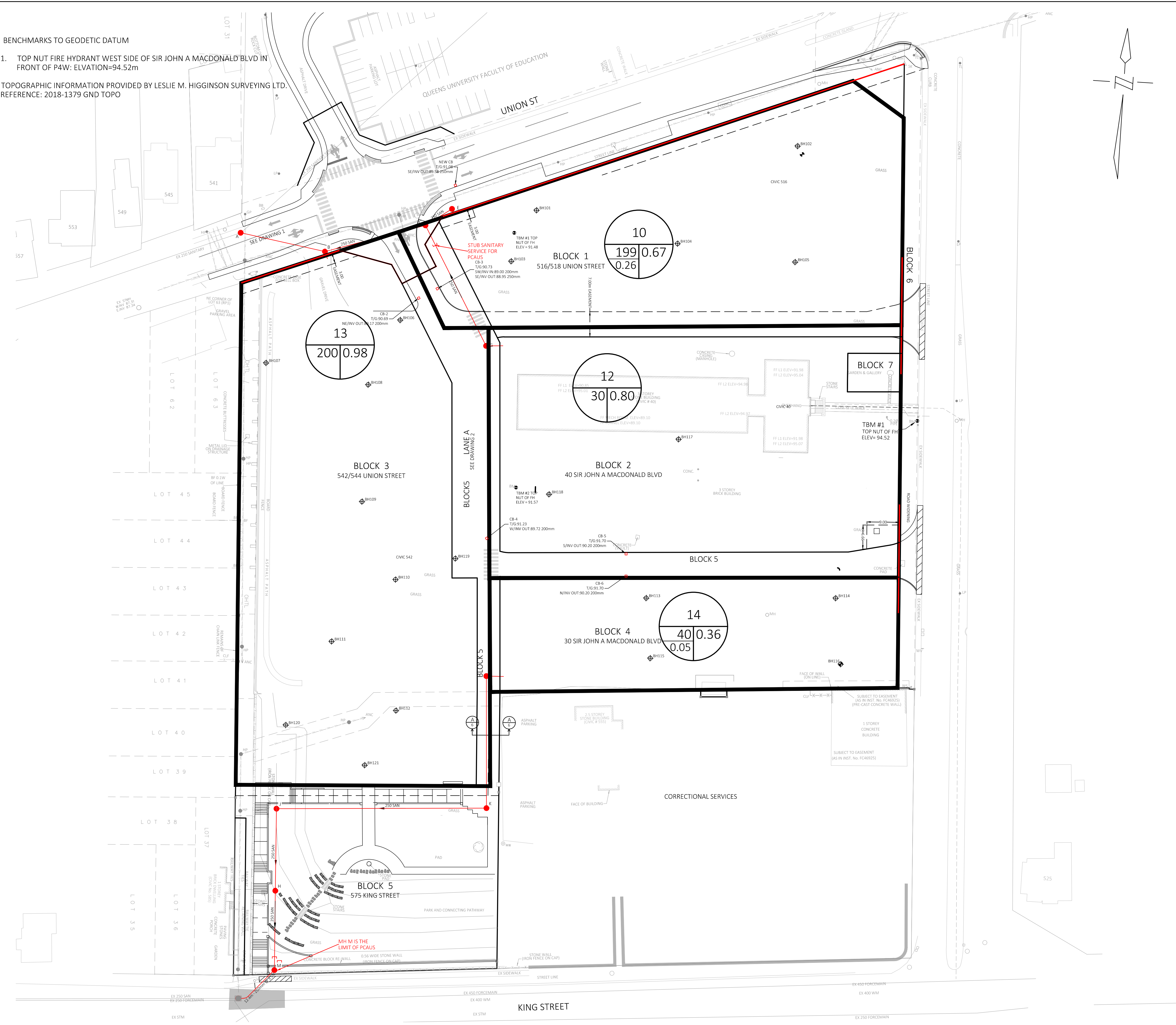
DETAILS

Designed By: M.J.	Date:	Project No.	Drawing No.
Drawn By: N.B.	MARCH 10, 2023.		
Checked By: M.J.	Scale: NTS		

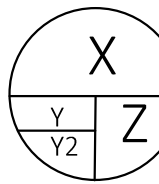
BENCHMARKS TO GEODETIC DATUM

1. TOP NUT FIRE HYDRANT WEST SIDE OF SIR JOHN A MACDONALD BLVD IN FRONT OF P4W: ELVATION=94.52m

TOPOGRAPHIC INFORMATION PROVIDED BY LESLIE M. HIGGINSON SURVEYING LTD.
REFERENCE: 2018-1379 GND TOPO



LEGEND



X DENOTES DRAINAGE AREA IDENTIFIER NUMBER
Y DENOTES RESIDENTIAL UNITS (2 PERSONS/UNIT)
Y2 DENOTES COMMERCIAL SPACE (HECTARES)
Z DENOTES DRAINAGE AREA (HECTARES)

43

MANHOLE & ID NUMBER

300mm

SANITARY SEWER SHOWING
DIRECTION OF FLOW
AND DIAMETER

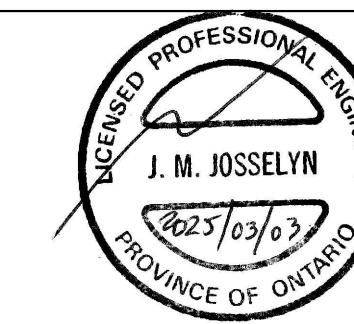
EX

DENOTES EXISTING

DRAINAGE AREA BOUNDARY

No.	By	Date	Revision	Checked
7	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MJ
6	NB	DECEMBER 4, 2024	ISSUED FOR SUBDIVISION AGREEMENT APPROVAL	MJ
5	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MJ
4	NB	OCTOBER 20, 2023	REVISED SANM#3 LOCATION	MJ
3	NB	OCTOBER 13, 2023	REVISED AS PER CITY COMMENTS	MJ
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MJ
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MJ

J E Josselyn Engineering Inc.



1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca

OWNER: SIDERIUS DEVELOPMENTS LTD.

PROJECT: UNION PARK

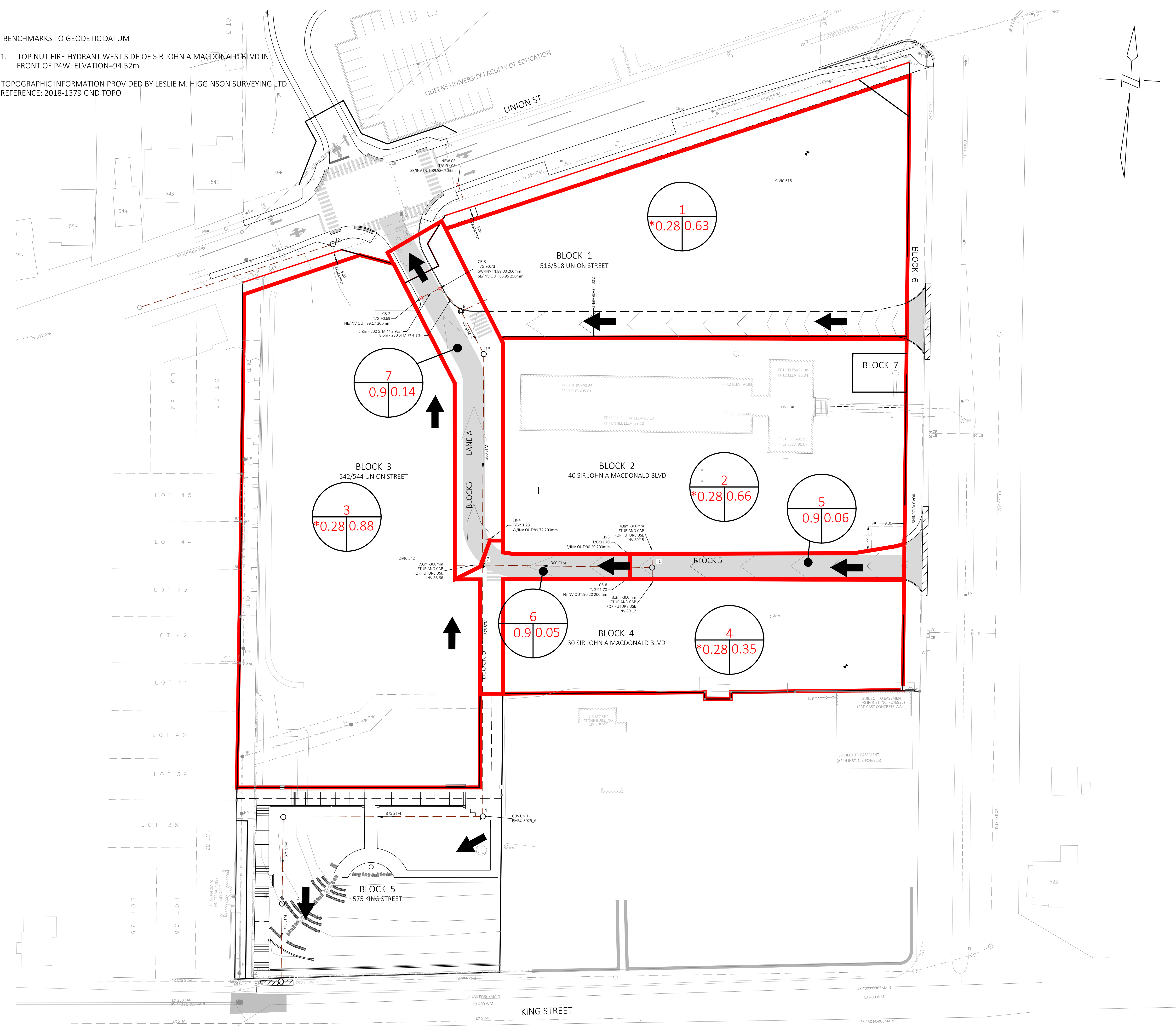
DRAWING TITLE:
SANITARY DRAINAGE AREA MAP

Designed By: M.J.	Date: MARCH 10, 2023.	Project No. 792	Drawing No. SA1
Drawn By: N.B.	Scale: 1:500		
Checked By: M.J.			

BENCHMARKS TO GEODETIC DATUM

1. TOP NUT FIRE HYDRANT WEST SIDE OF SIR JOHN A MACDONALD BLVD IN FRONT OF P4W: ELVATION=94.52m

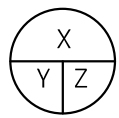
TOPOGRAPHIC INFORMATION PROVIDED BY LESLIE M. HIGGINSON SURVEYING LTD.
REFERENCE: 2018-1379 GND TOPO



NOTE:

BLOCKS 1, 2, 3 AND 4 ARE TO CONTROL POST DEVELOPMENT RUNOFF TO AN EQUIVALENT RUNOFF COEFFICIENT AS SPECIFIED ON THIS PLAN. REFER TO STORMWATER MANAGEMENT REPORT BY JOSSELYN ENGINEERING INC.

LEGEND



X DENOTES DRAINAGE AREA IDENTIFIER NUMBER
Y DENOTES RUNOFF COEFFICIENT
*Y DENOTES REQUIRED CONTROLLED RUNOFF COEFFICIENT
Z DENOTES DRAINAGE AREA (HECTARES)



MANHOLE & ID NUMBER



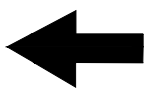
300mm
STORM SEWER SHOWING
DIRECTION OF FLOW
AND DIAMETER



DENOTES EXISTING



DRAINAGE AREA BOUNDARY



MAJOR OVERFLOW ROUTE

No.	By	Date	Revision	Checked
5	NB	DECEMBER 16, 2024	REVISED TO DELETE UNDERGROUND STORMWATER STORAGE AND TO FIT REVISED M-PLAN	MJ
4	NB	DECEMBER 4, 2024	ISSUED FOR SUBDIVISION AGREEMENT APPROVAL	MJ
3	CB	MAY 9, 2024	REVISED FOR SUBDIVISION AGREEMENT AND OFF-SITE WORK AGREEMENT	MJ
2	NB	AUGUST 18, 2023	ISSUED FOR FINAL PLAN APPROVAL	MJ
1	NB	JUNE 29, 2023	REVISED AS PER CITY COMMENTS	MJ



Josselyn Engineering Inc.



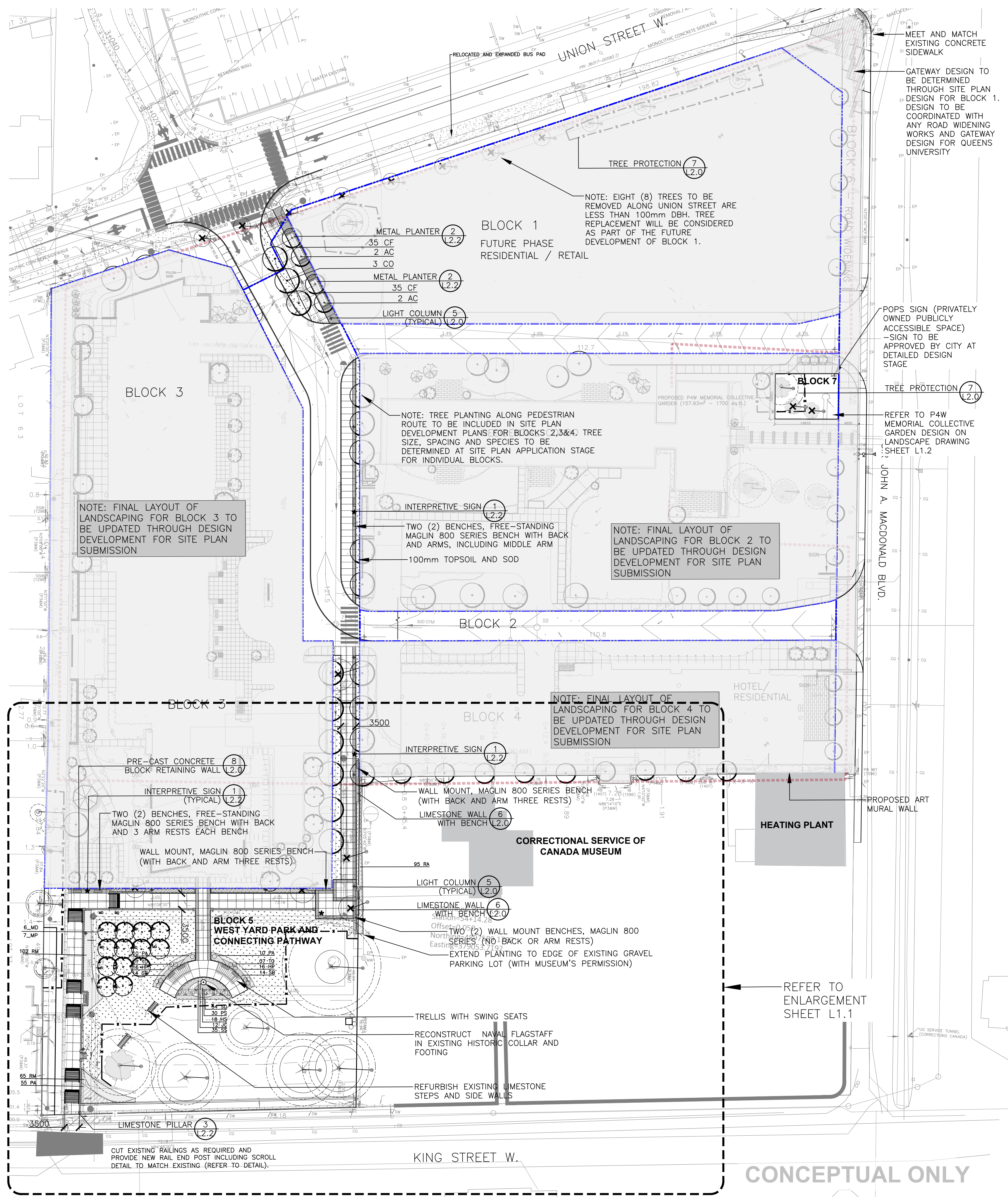
**1225 GARDINERS ROAD, #105
KINGSTON, ONTARIO K7P 0G3
TEL : 613-634-9278
E-MAIL : mjosselyn@josselyn.ca**

OWNER: SIDERIUS DEVELOPMENTS LTD.

PROJECT: UNION PARK

DRAWING TITLE:
STORM DRAINAGE AREA MAP

Designed By: M.J.	Date: MARCH 10, 2023.	Project No. 792	Drawing No. ST1
Drawn By: N.B.	Scale: 1:500		
Checked By: M.J.			



LEGEND	
	PROPERTY LINE
	EXISTING TREE TO BE REMOVED
	CANOPY RADIUS AND TREE PROTECTION ZONE
	EXISTING TREES TO BE RETAINED
	DECIDUOUS TREE PLANTING
	CONIFEROUS TREE PLANTING
	FASTIGATE TREE PLANTING
	FRUIT TREE PLANTING
	SHRUB PLANTING
	RAISED PLANTER (STONE AND METAL)
	LIMESTONE SEATING WALL WITH BENCH SEATING
	PRE-CAST CONCRETE WALL
	PEDESTRIAN SCALE LIGHTING
	STONE DUST PATHWAY
	CONCRETE PAVING
	APPROXIMATE LOCATION OF HISTORICAL WALL
	INTERPRETIVE SIGNAGE
	TREE PROTECTION FENCING

REVISIONS	
4	-TREE CANOPY RADIUS AND TPZ'S UPDATED -TREE PROTECTION FENCING ADJUSTED -STONE DUST PATH REMOVED -BLOCK WALL AND CONCRETE PATH REMOVED BY TREE #57 -POPS SIGN'S ADDED -WAYFINDING SIGN ADDED AT KING ST. STEPS
5	-'CONCEPTUAL ONLY' NOTE ADDED (PENDING FINAL HERITAGE APPROVAL).
8	TREE LOCATIONS ADJUSTED TO CO-ORDINATE WITH SITE SERVICES

PLANT LIST				
	Botanical Name	Common Name	Quantity	Size
Trees				
Deciduous				
CO	Celtis occidentalis	Common Hackberry	3	70mm Cal. B.B./W.B.
MD	Malus 'Dolgo'	Dolgo crabapple	6	50mm Cal. B.B./W.B.
MP	Malus 'Prairie Fire'	Prairie Fire Crabapple	7	50mm Cal. B.B./W.B.
Coniferous				
TO	Thuja occidentalis 'Smaragd'	Emerald Cedar	18	1.8 m Ht. B.B./W.B.
Typical Shrub / Perennial Plant List (Quantities to be completed during design development, additional plant species will be included in courtyard designs)				
AC	Amelanchier canadensis	Serviceberry	4	1.5m Ht., multi-stem
HP	Hydrangea paniculata 'Little Quickfire'	Little Quickfire Hydrangea	32	450mm Ht.
JC	Juniperus chinensis 'Monlep'	'Mint Julep' Juniper	12	450mm Spr.
RA	Rhus aromatica 'Grow-Low'	Low Grow Sumac	95	300mm Ht.
RM	Rosa 'Morden Centennial'	Morden Centennial Rose	167	450mm Ht.
PA	Perovskia atriplicifolia	Russian sage	75	450mm Ht.
SB	Spirea betulifolia 'Tor'	Tor Spirea	28	450mm Ht.
SD	Syringa Bloomerang 'Dark Purple'	Dark Purple Boomerang Lilac	34	450mm Ht.
Perennials				
CF	Carex flacca 'Blue Zinger'	Blue Zinger Sedge	70	1 Gal. Potted
HS	Hemerocallis Stella D'Oro	Stella D'Oro Daylily	18	1 Gal. Potted
PS	Phlox subulata 'Emerald Blue'	Creeping Phlox 'Emerald Blue'	30	4" Pot
SS	Sedum spectabile	Autumn Joy Sedum	35	1 Gal. Potted

NOTE: FOR TREE INVENTORY, REFER TO TREE INVENTORY REPORT, JAN 2023, PREPARED BY DOGWOODS (CHARLES CAVANAGH, NPD, ISA CERTIFIED ARBORIST)
• FOR TREE #50 (*Malus* sp.), PRIOR TO TREE REMOVAL, CUTTINGS MUST BE TAKEN BY A CERTIFIED ARBORIST AND USED AS A GRAFT TO DEVELOP NEW SAPLINGS FOR FUTURE USE ON THE UNION PARK SITE.

Key Plan

8	RE-ISSUED FOR PLAN OF SUBDIVISION	31-01-2025
7	RE-ISSUED FOR PLAN OF SUBDIVISION	13-12-2024
6	RE-ISSUED FOR PLAN OF SUBDIVISION	16-10-2023
5	RE-ISSUED FOR PLAN OF SUBDIVISION	10-08-2023
4	RE-ISSUED FOR PLAN OF SUBDIVISION	26-05-2023
3	ISSUED FOR PLAN OF SUBDIVISION	06-03-2023
2	ISSUED FOR CO-ORDINATION	28-02-2023
1	ISSUED FOR CO-ORDINATION	13-02-2023

No.	Revision	Date
-----	----------	------

North:

Stamp:

Landscape Architecture
Urban Design
Site Planning
Recreation and Park Planning
Project Management

319 McRae Avenue, Suite 502, Ottawa, Ontario, K1Z 0B9
Tel: (613) 729-4536

1. All measurements in millimeters unless specified otherwise. Do not scale drawing. All drawings to be read in conjunction with written specifications.

2. Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.

3. This Drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:

- check and verify all dimensions on site;
- report all errors and/or omissions to the landscape architect;
- comply with all pertinent codes and by-laws;
- check and verify locations of all underground services with all local utilities prior to any digging.

Project:

Union Park

KINGSTON , ONTARIO

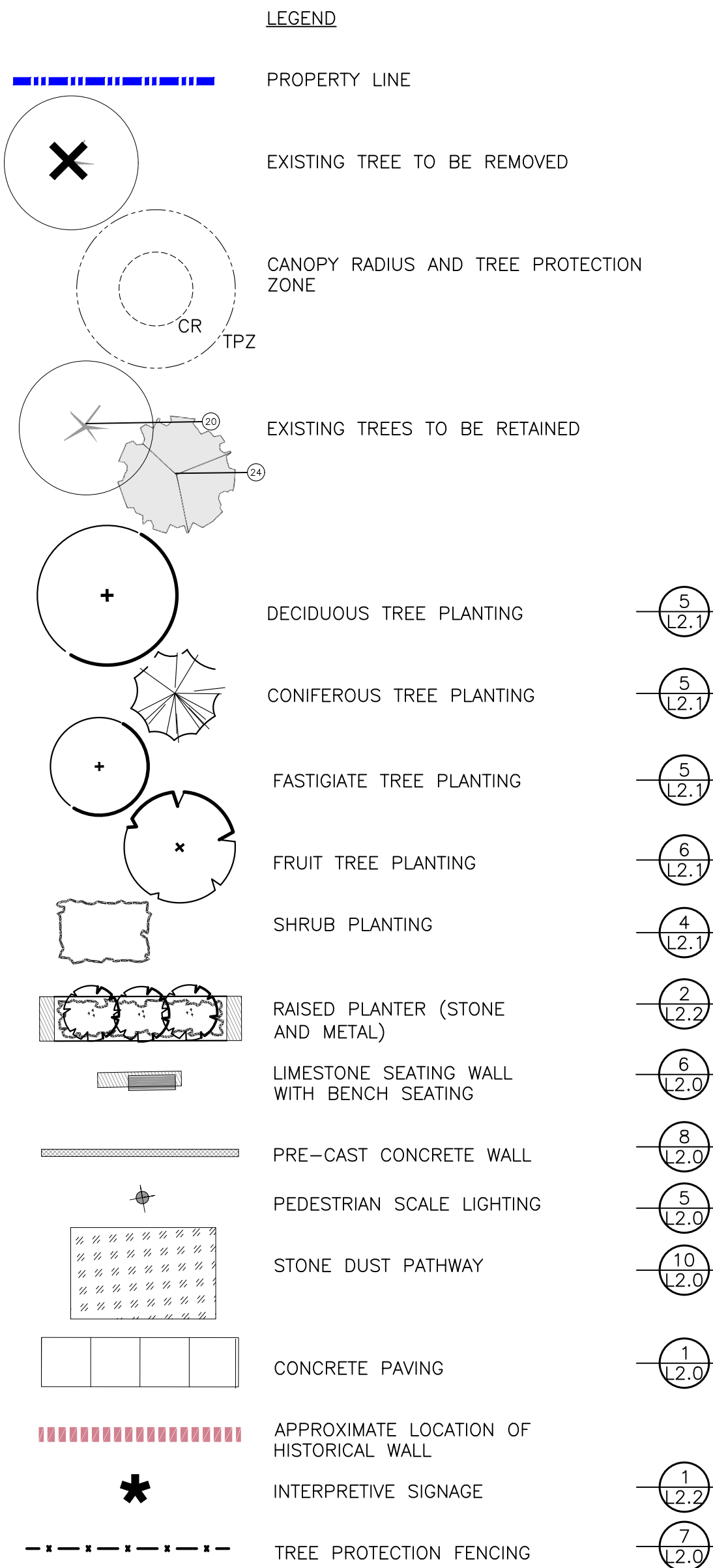
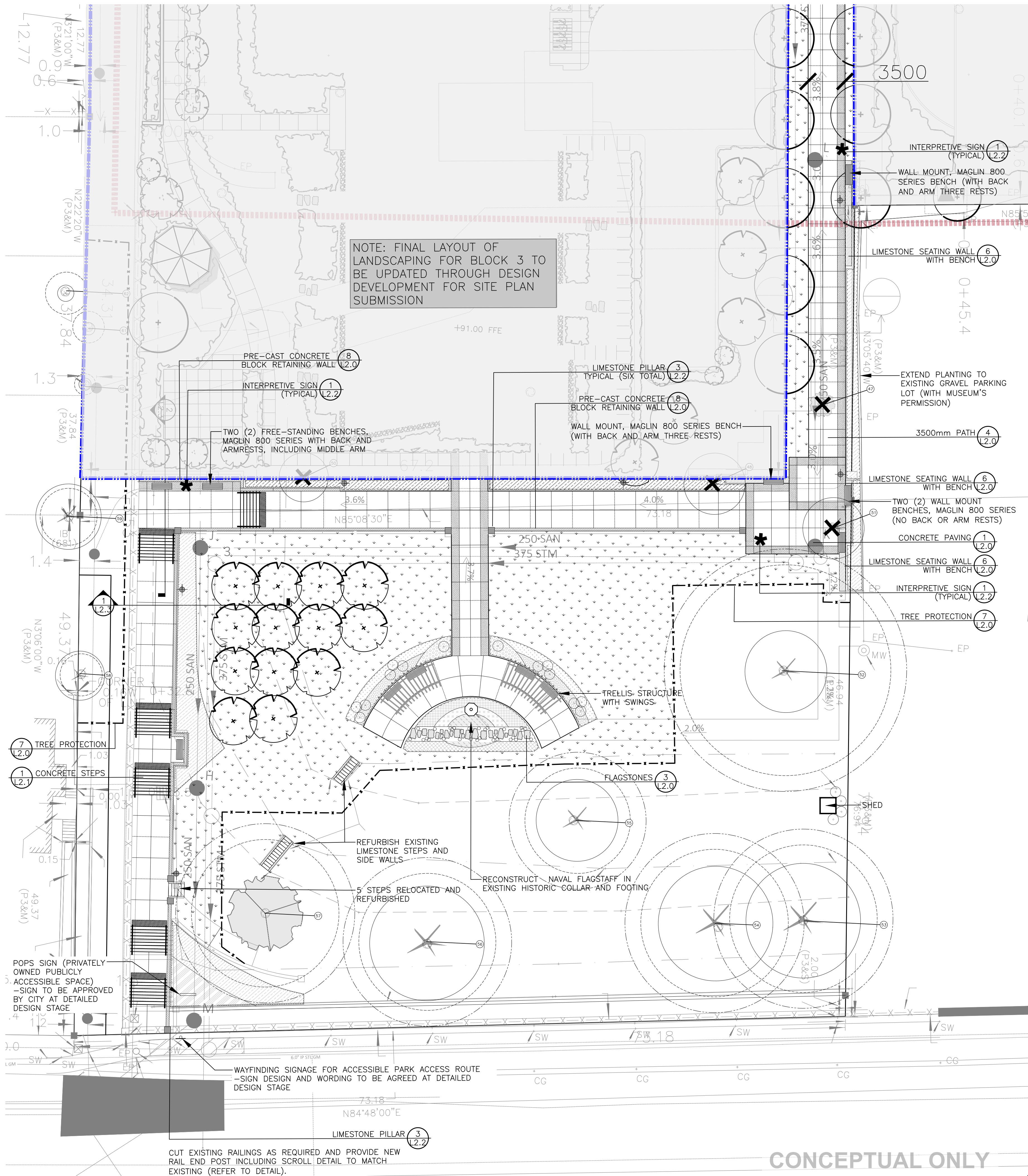
Drawing:

Landscape Plan

Scale:	Date:
1:500	2022.12.01

Design By:	Drawn By:
SE	SE

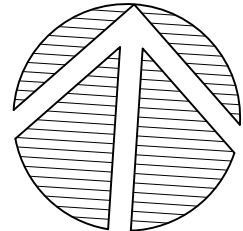
Project Number:	Sheet Number:
2073-01	L 1.0



Key Plan

No.	Revision	Date
8	RE-ISSUED FOR PLAN OF SUBDIVISION	31-01-2025
7	RE-ISSUED FOR PLAN OF SUBDIVISION	13-12-2024
6	RE-ISSUED FOR PLAN OF SUBDIVISION	16-10-2023
5	RE-ISSUED FOR PLAN OF SUBDIVISION	10-08-2023
4	RE-ISSUED FOR PLAN OF SUBDIVISION	26-05-2023
3	ISSUED FOR PLAN OF SUBDIVISION	06-03-2023
2	ISSUED FOR CO-ORDINATION	28-02-2023
1	ISSUED FOR CO-ORDINATION	13-02-2023

North:



Stamp:



Landscape Architecture
Urban Design
Site Planning
Recreation and Park Planning
Project Management

319 McRae Avenue, Suite 502, Ottawa, Ontario, K1Z 0B9
Tel: (613) 729-4536

- All measurements in millimeters unless specified otherwise.
Do not scale drawing. All drawings to be read in conjunction with written specifications.
- Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.
- This Drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:
 - check and verify all dimensions on site;
 - report all errors and/or omissions to the landscape architect;
 - comply with all pertinent codes and by-laws;
 - check and verify locations of all underground services with all local utilities prior to any digging.

Project:

Union Park

KINGSTON, ONTARIO

Drawing:

Landscape Plan
Block 5 - West Yard Park

Scale:

1:200

Date:

2023.01.10

Design By:

SE

Drawn By:

SE

Project Number:

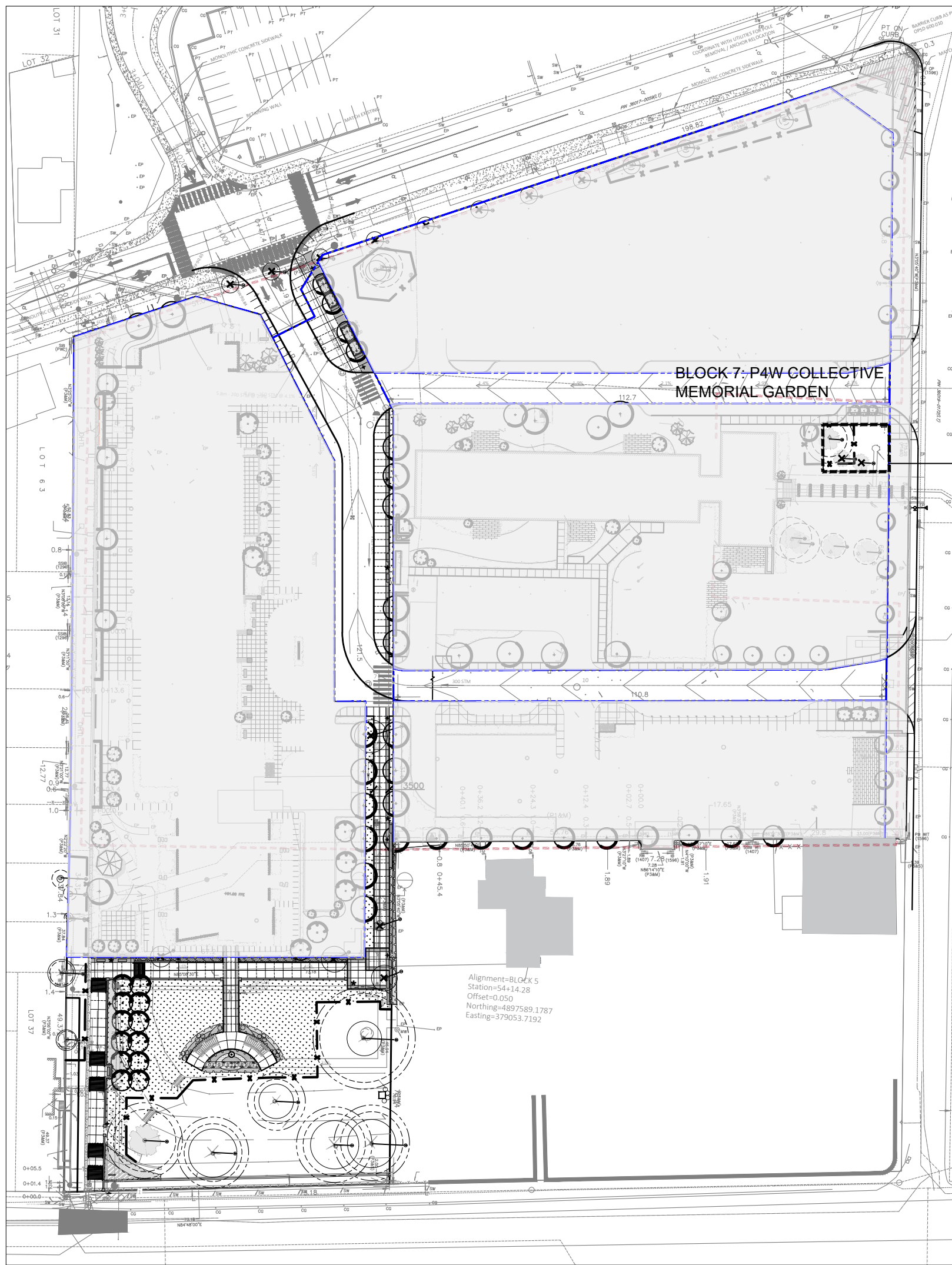
2073-01

Sheet Number:

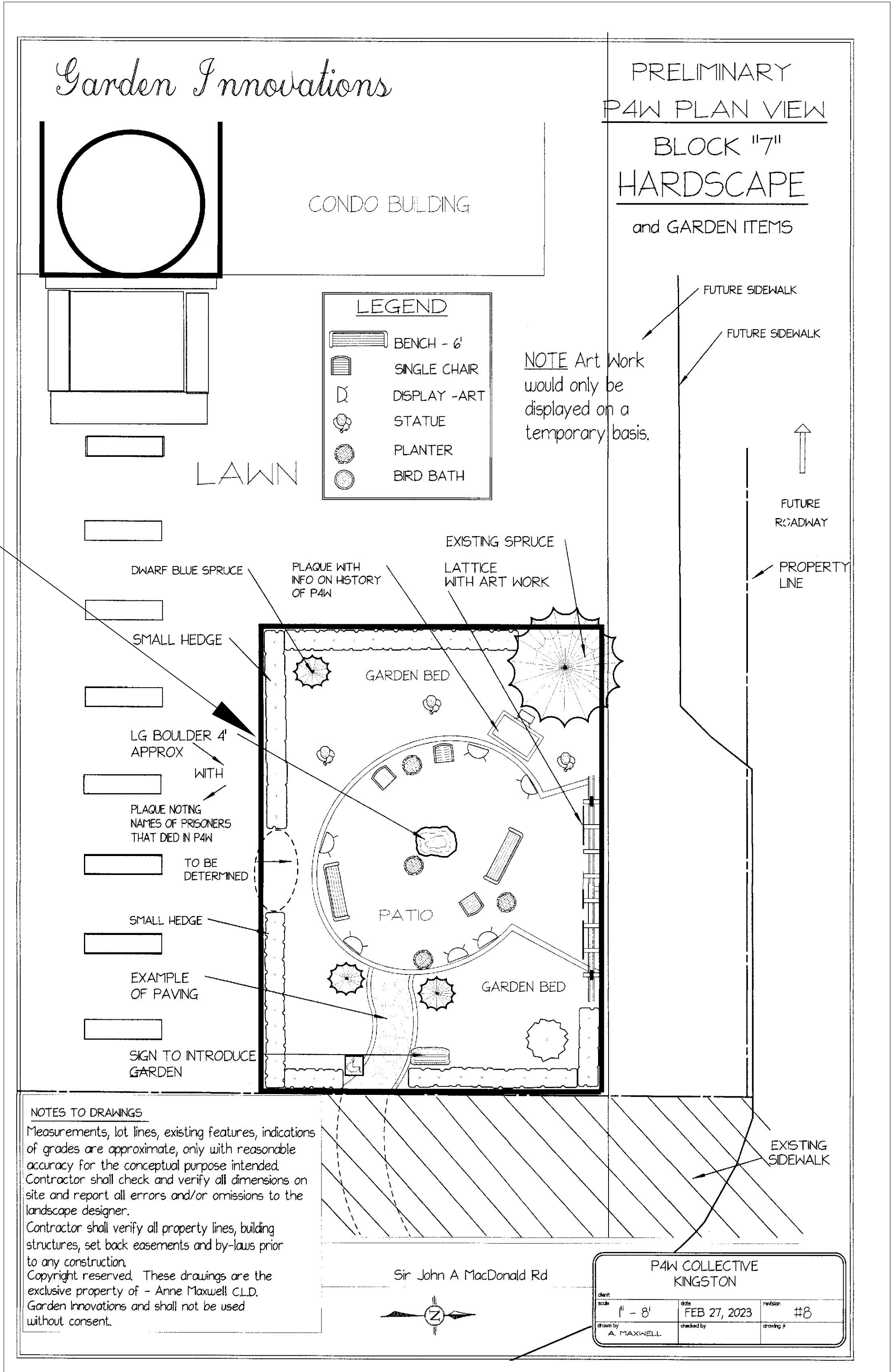
L 1.1

0 2 5 10 25

50 Meters



CSW LANDSCAPE ARCHITECTS: KEY PLAN



NOTE: THE DESIGN OF BLOCK 7: P4W COLLECTIVE MEMORIAL GARDEN IS BY OTHERS AND IS NOT THE RESPONSIBILITY OF CSW LANDSCAPE ARCHITECTS

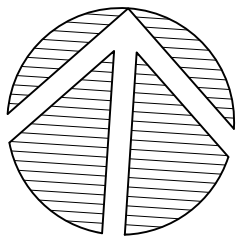
CONCEPTUAL ONLY

5 -'CONCEPTUAL ONLY' NOTE ADDED (PENDING FINAL HERITAGE APPROVAL).

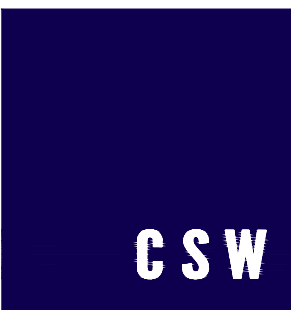
Key Plan

No.	Revision	Date
7	RE-ISSUED FOR PLAN OF SUBDIVISION	13-12-2024
6	RE-ISSUED FOR PLAN OF SUBDIVISION	16-10-2023
5	RE-ISSUED FOR PLAN OF SUBDIVISION	10-08-2023
4	RE-ISSUED FOR PLAN OF SUBDIVISION	26-05-2023
3	ISSUED FOR PLAN OF SUBDIVISION	06-03-2023
2	ISSUED FOR CO-ORDINATION	28-02-2023
1	ISSUED FOR CO-ORDINATION	13-02-2023

North:



Stamp:



Landscape Architecture
Urban Design
Site Planning
Recreation and Park Planning
Project Management

319 McRae Avenue, Suite 502, Ottawa, Ontario, K1Z 0B9
Tel: (613) 729-4536

- All measurements in millimeters unless specified otherwise. Do not scale drawing. All drawings to be read in conjunction with written specifications.
- Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.
- This Drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:
 - check and verify all dimensions on site;
 - report all errors and/or omissions to the landscape architect;
 - comply with all pertinent codes and by-laws;
 - check and verify locations of all underground services with all local utilities prior to any digging.

Project:

Union Park

KINGSTON , ONTARIO

Drawing:

BLOCK 7
P4W COLLECTIVE GARDEN

Scale:

AS NOTED

Date:

2023.02.28

Design By:

AS NOTED

Drawn By:

AS NOTED

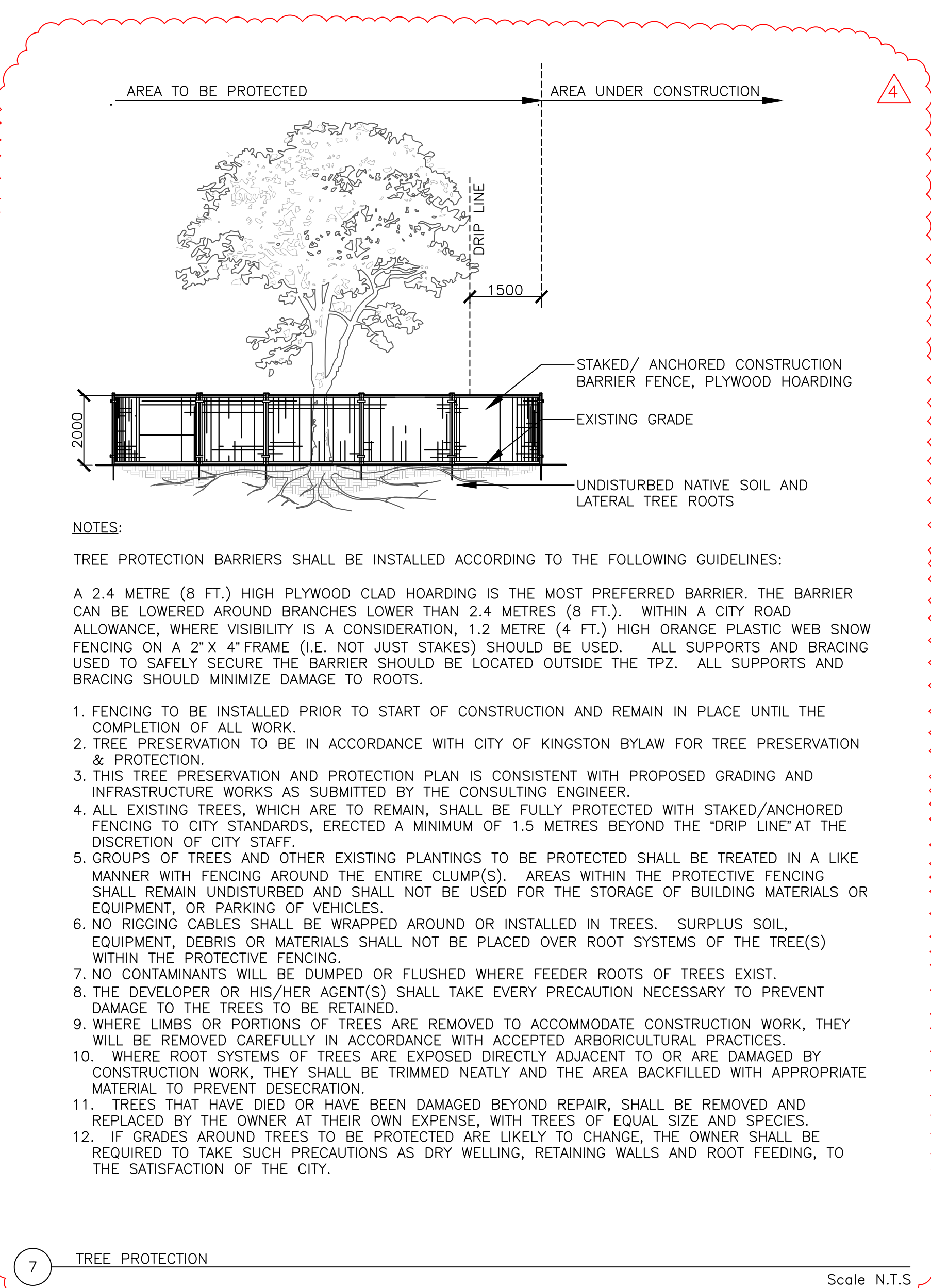
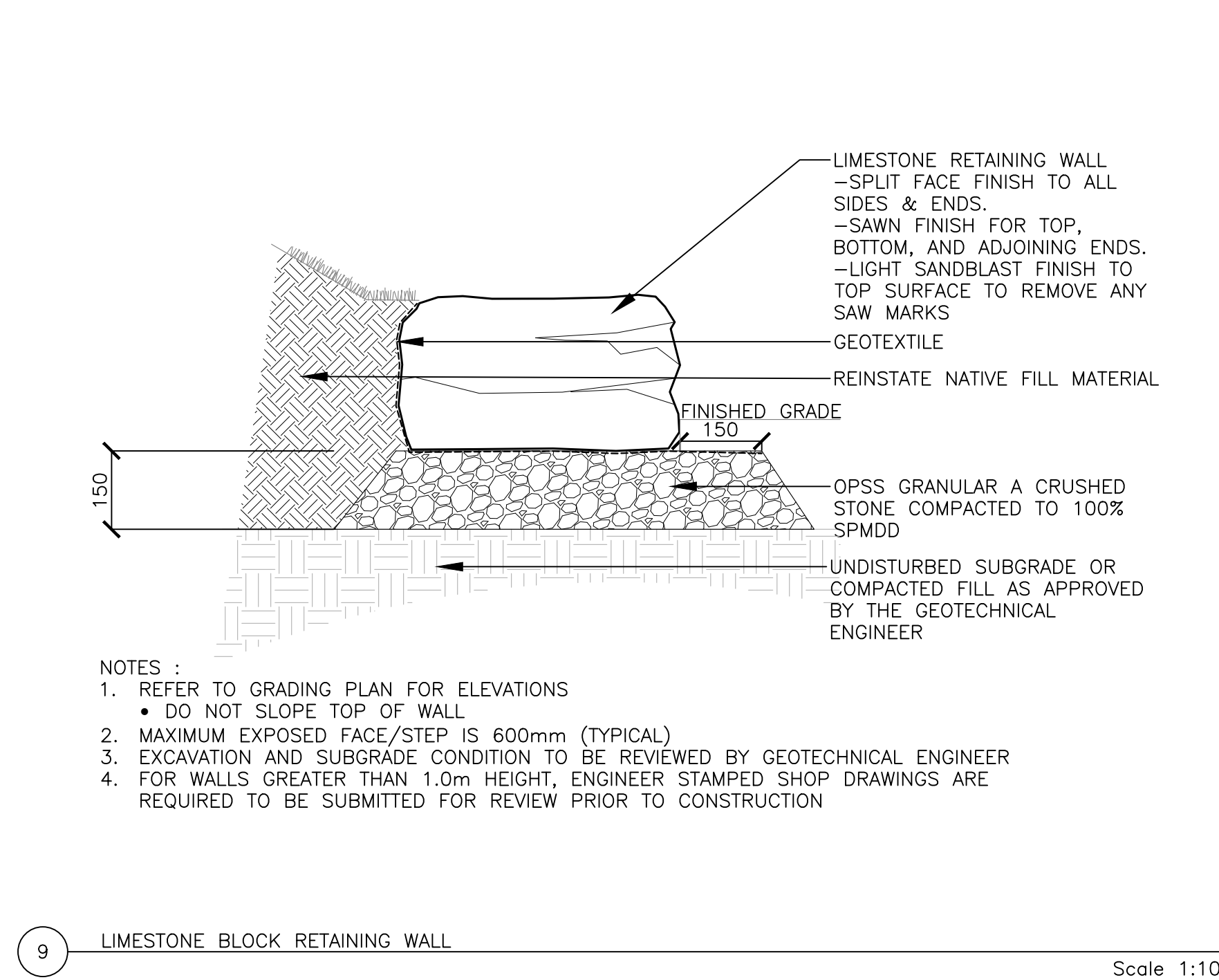
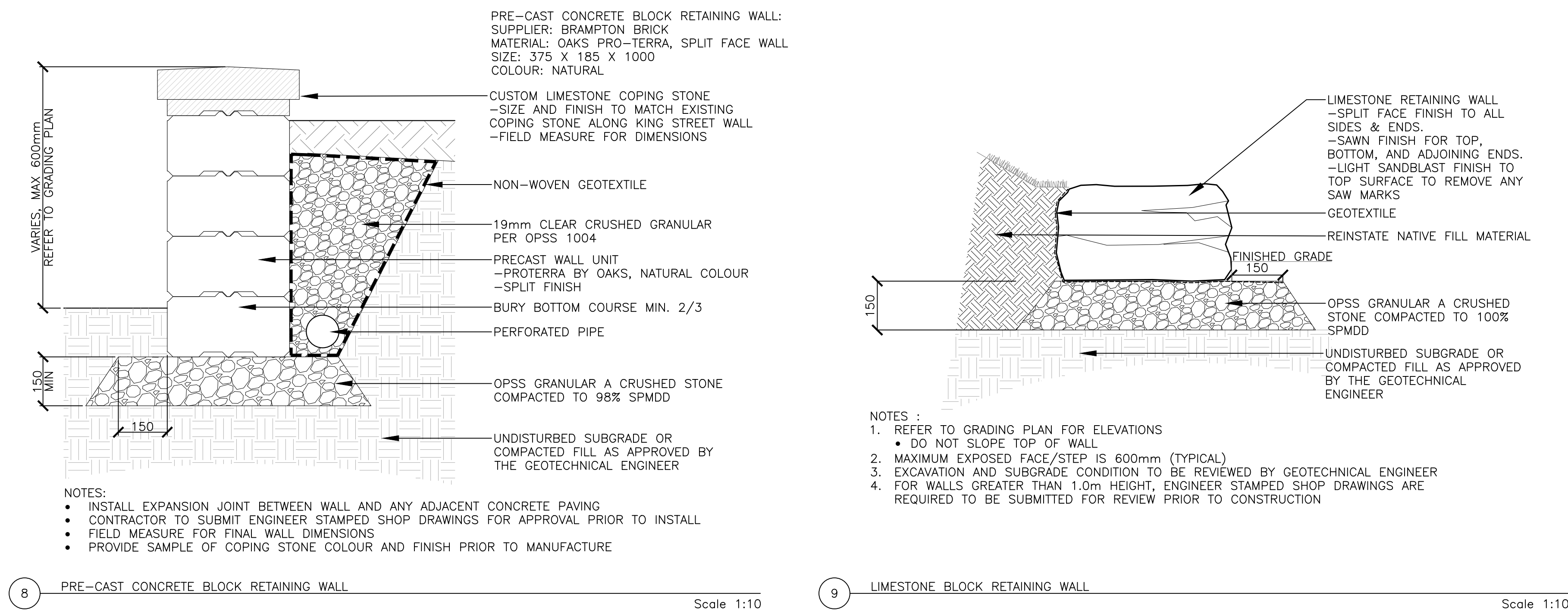
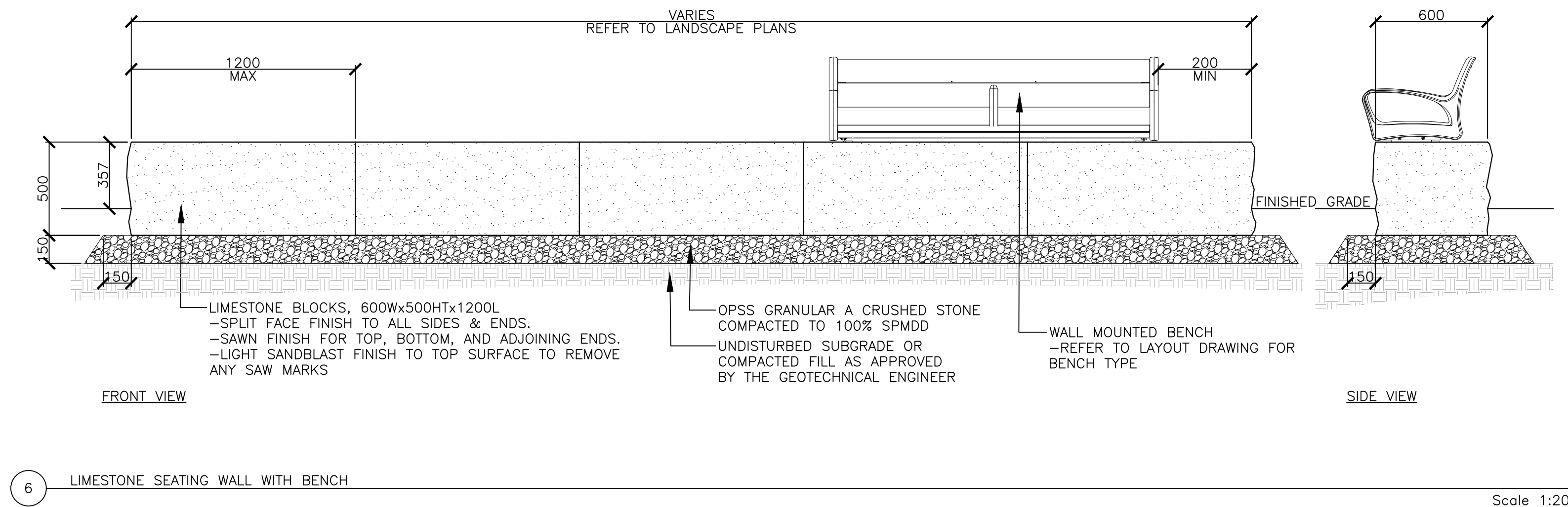
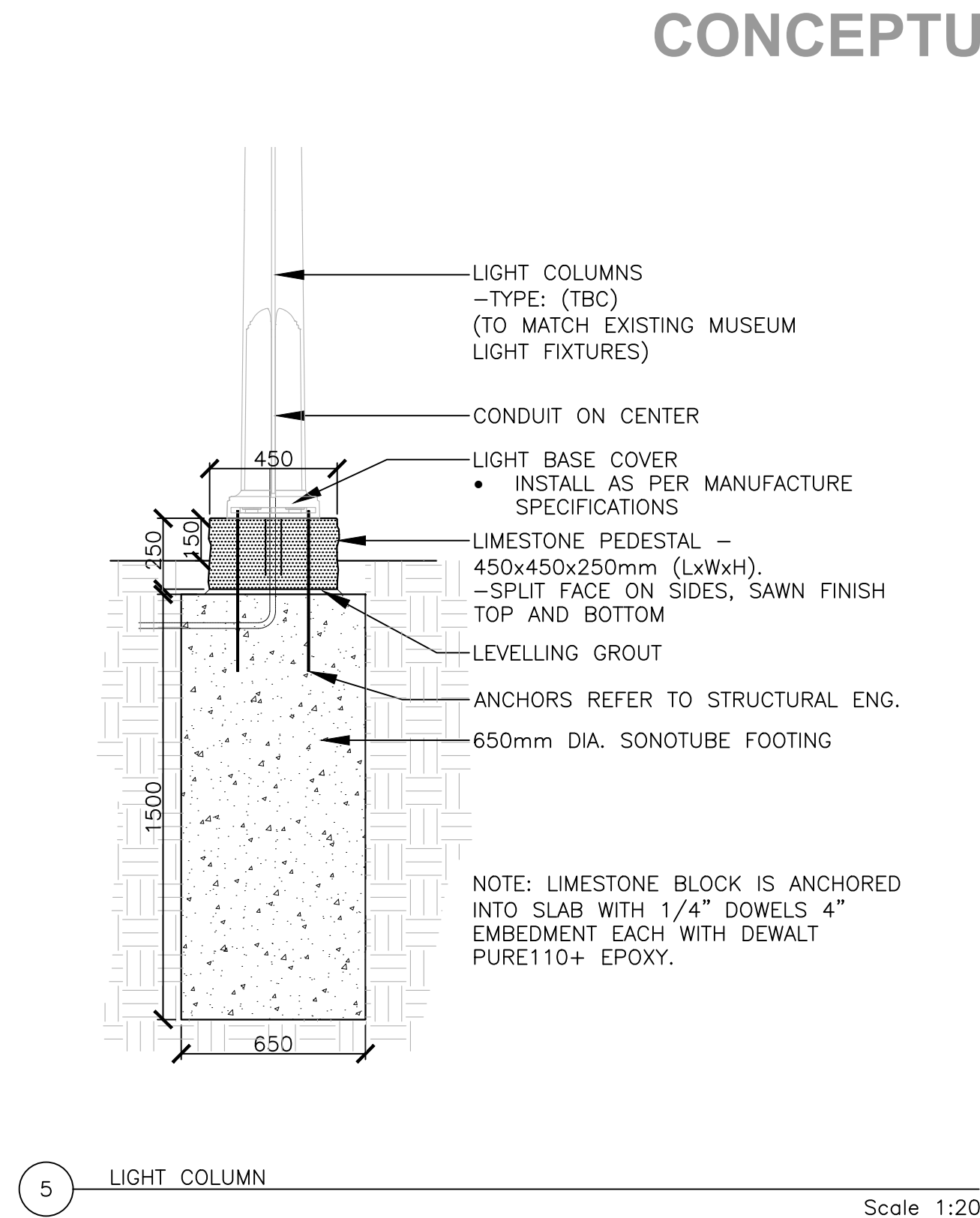
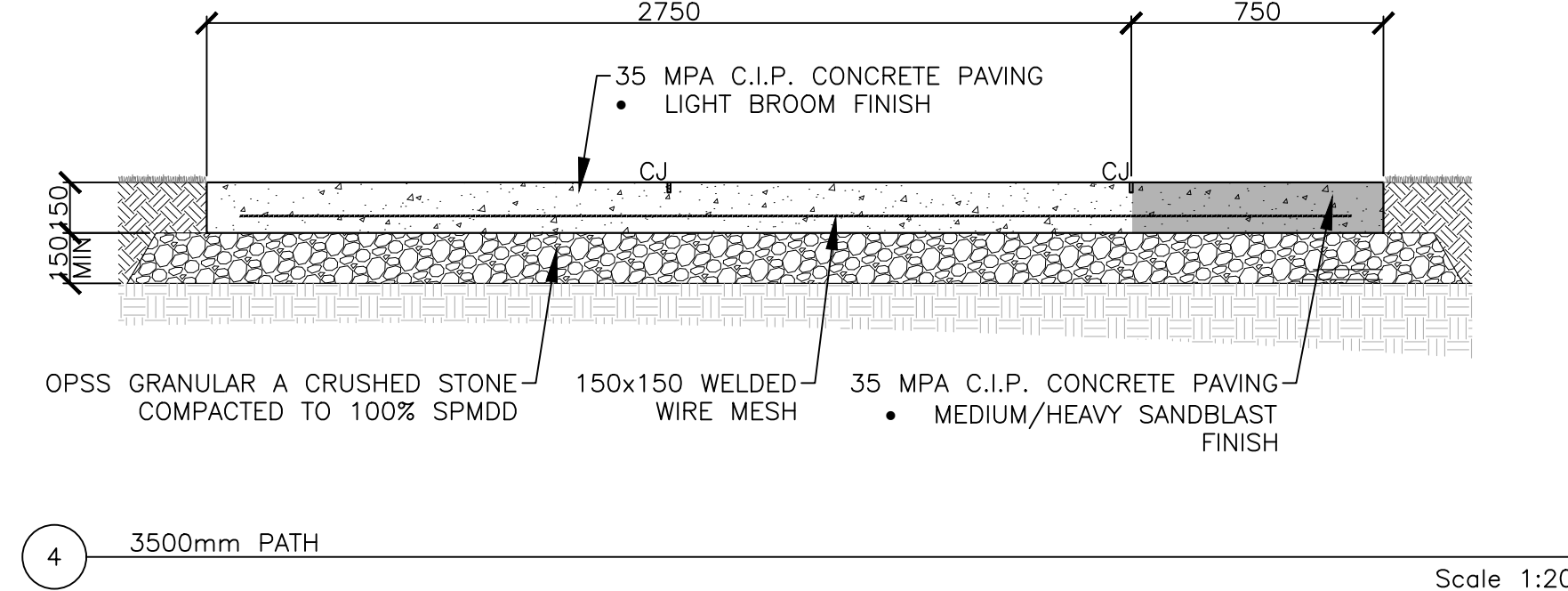
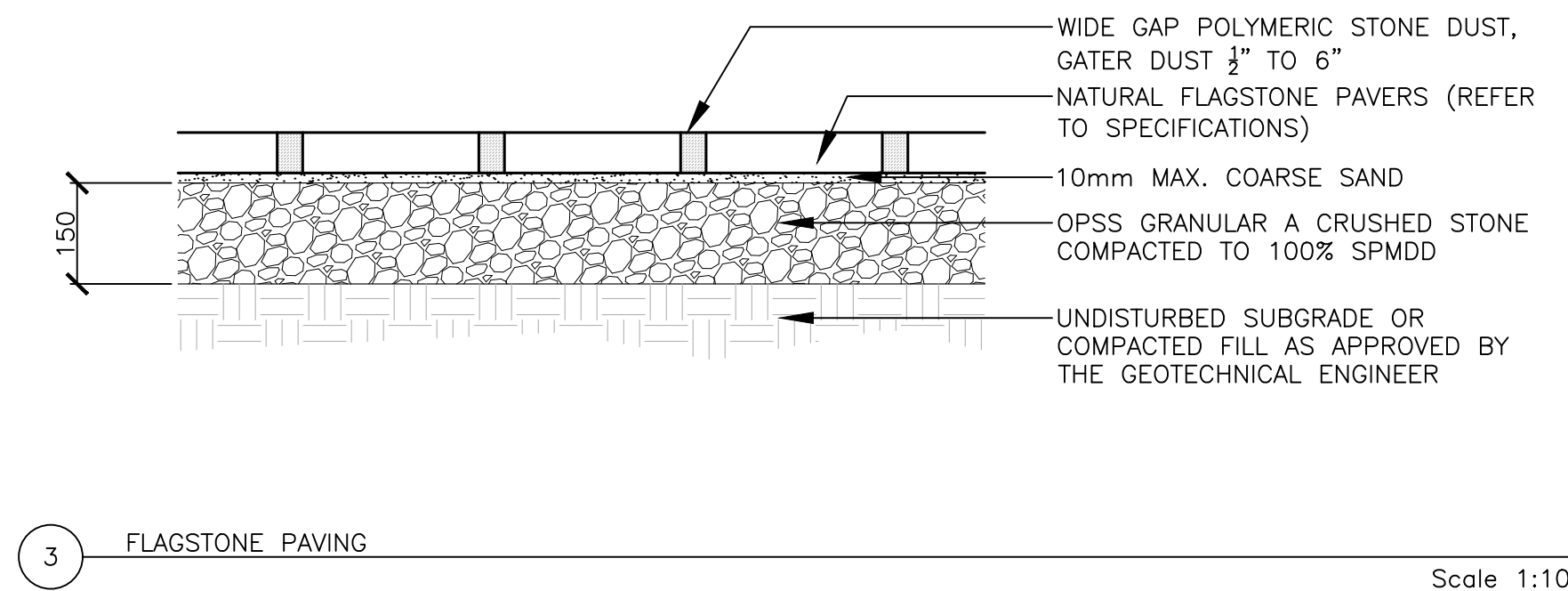
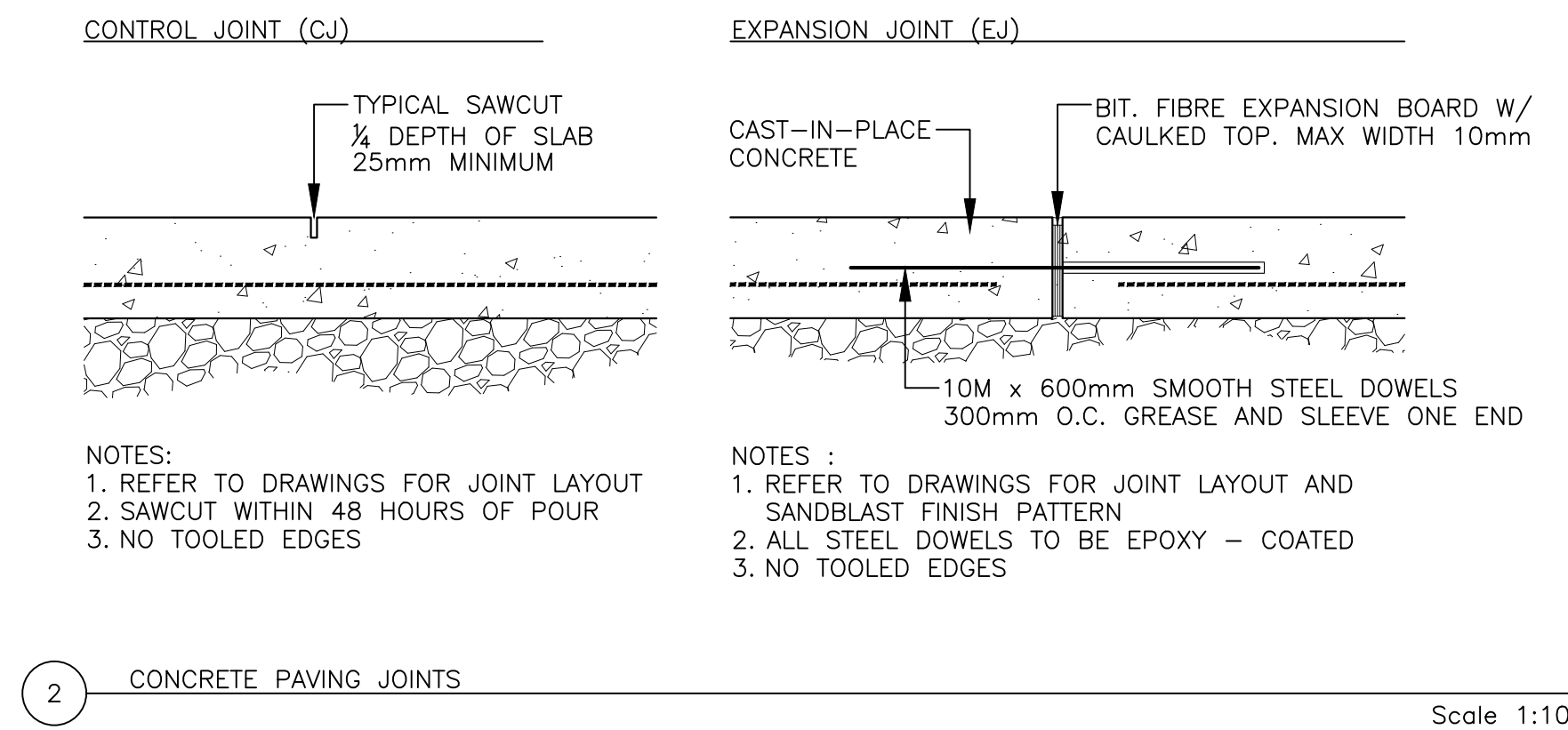
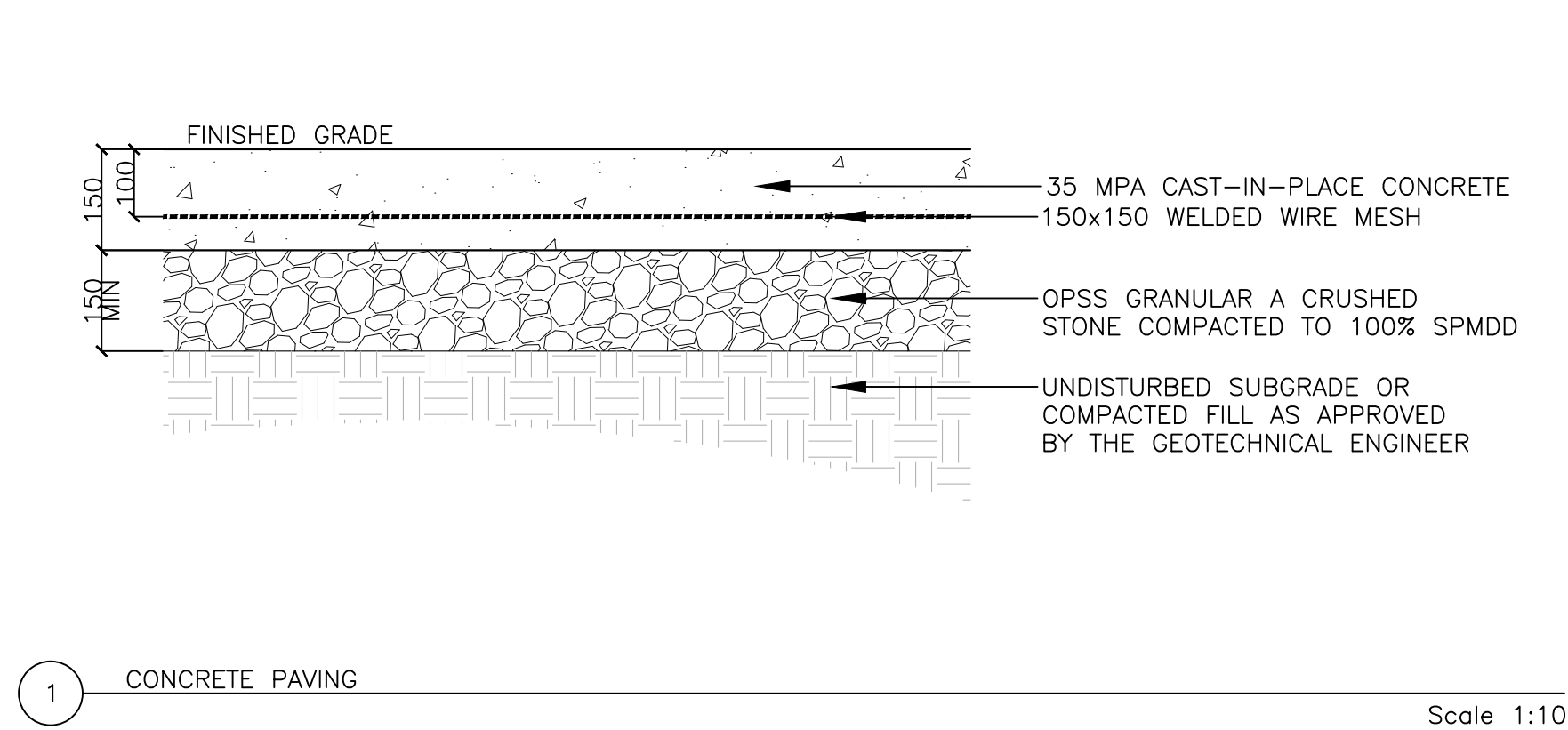
Project Number:

2073-01

Sheet Number:

L 1.2

Last Saved: 2024-12-13 10:56:49 AM
File Location: Z:\Projects\2073-01 Union Park Kingston\Drawings\DESIGN Plan Of Subdivision 022073-01 Union Park Kingston_IPOS 03(Details).dwg



CONCEPTUAL ONLY

- Revisions:
- 4 TREE PROTECTION DETAIL UPDATED
 - 5 -'CONCEPTUAL ONLY' NOTE ADDED (PENDING FINAL HERITAGE APPROVAL).

No.	Revision	Date
7	RE-ISSUED FOR PLAN OF SUBDIVISION	2024.12.13
6	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.10.16
5	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.08.10
4	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.05.26
3	ISSUED FOR PLAN OF SUBDIVISION	2023.03.06
2	ISSUED FOR CO-ORDINATION	2023.02.28
1	ISSUED FOR CO-ORDINATION	2023.02.13

North:	Stamp:

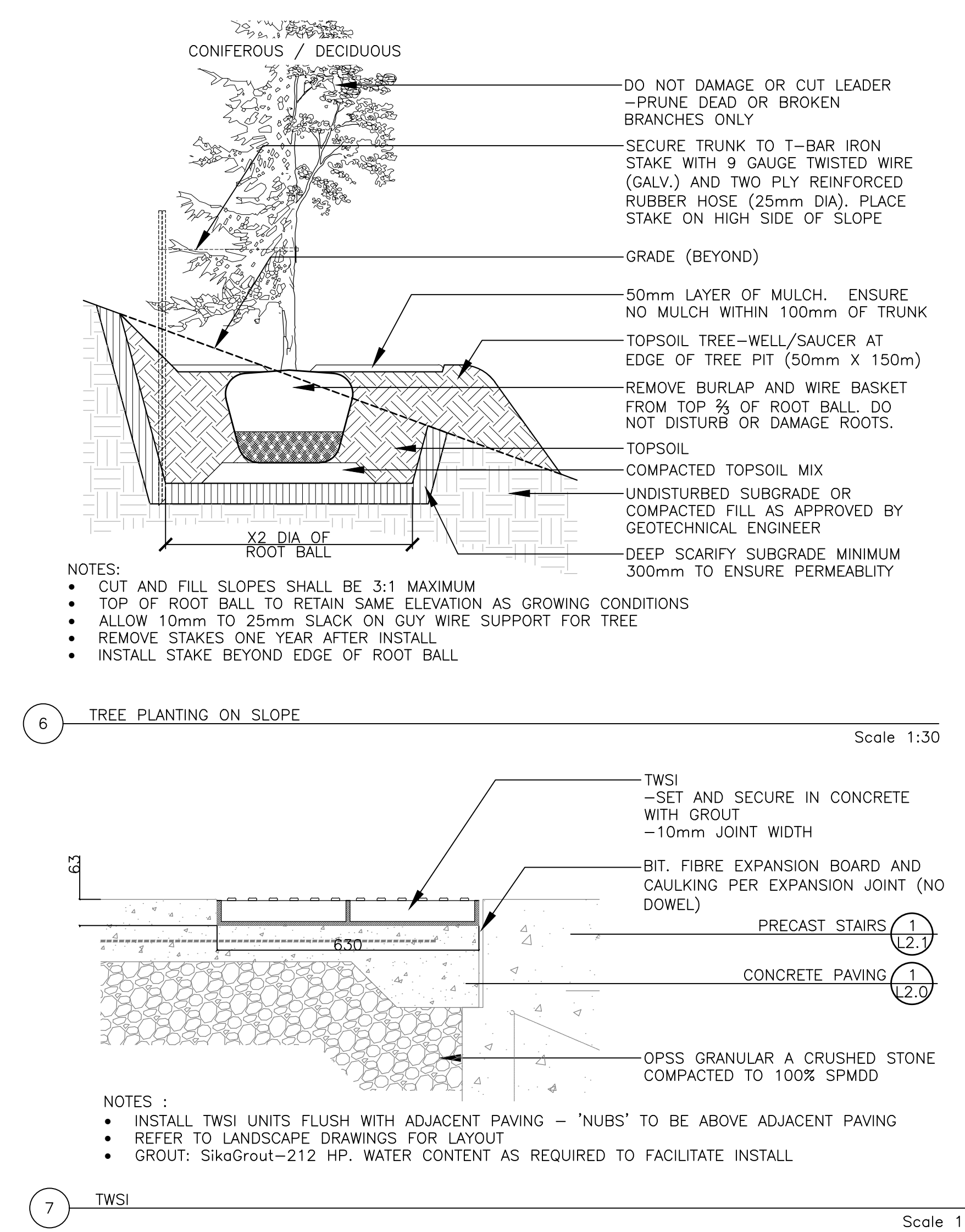
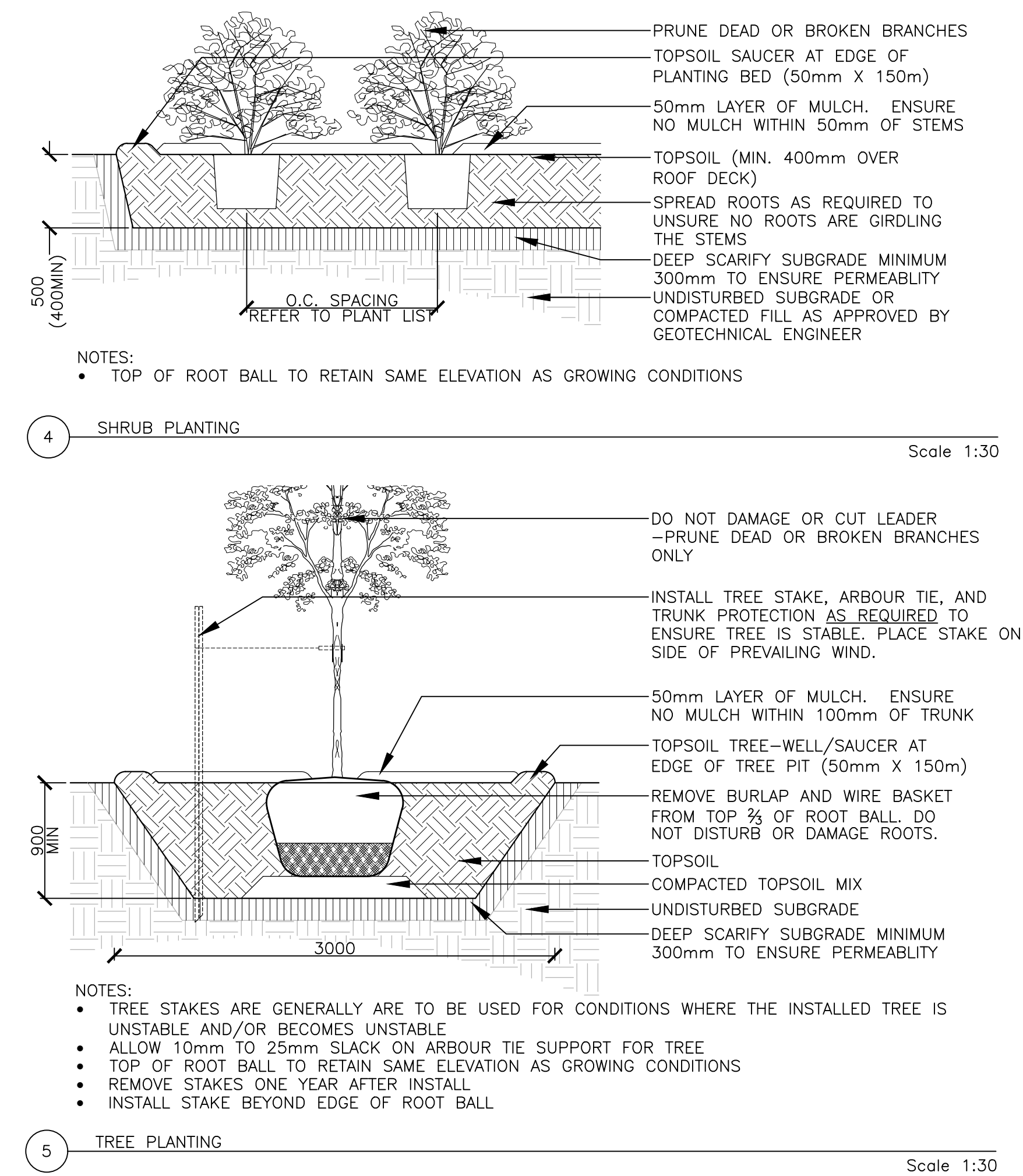
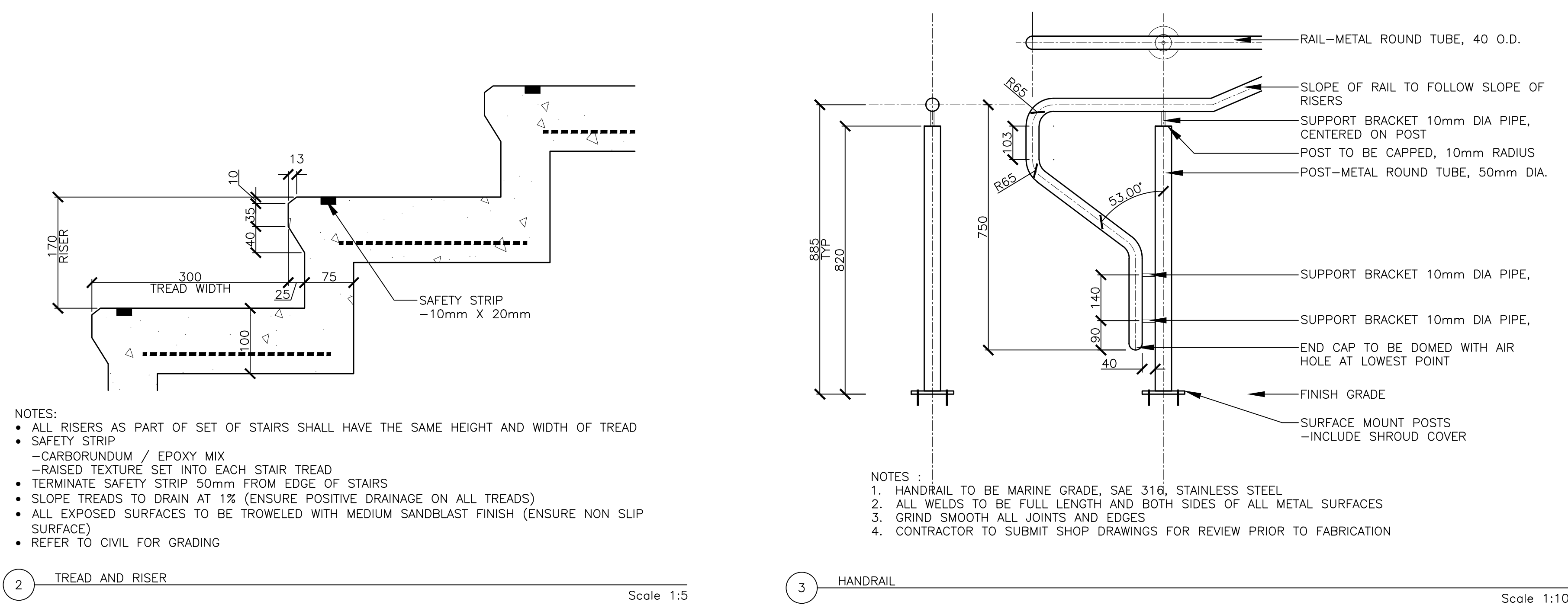
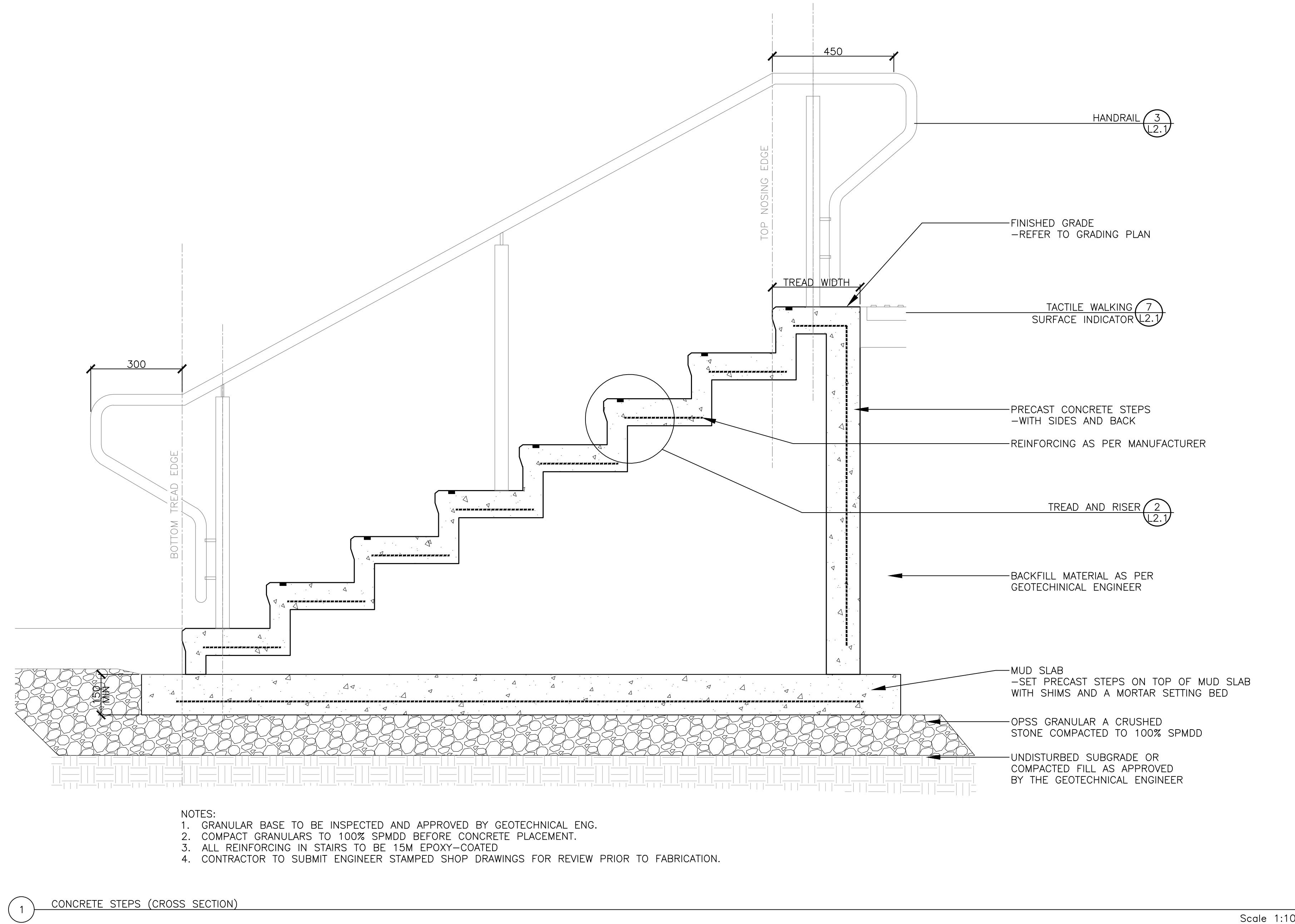
	Landscape Architecture Urban Design Site Planning Recreation and Park Planning Project Management
319 McRae Avenue, Suite 502, Ottawa, Ontario, K1Z 0B9 Tel: (613) 729-4536	

- All measurements in millimeters unless specified otherwise. Do not scale drawing. All drawings to be read in conjunction with written specifications.
- Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.
- This Drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:
 - check and verify all dimensions on site;
 - report all errors and/or omissions to the landscape architect;
 - comply with all pertinent codes and by-laws;
 - check and verify locations of all underground services with all local utilities prior to any digging.

Project:	Union Park
	KINGSTON, ONTARIO

Drawing:	LANDSCAPE DETAILS
Scale:	Date: 2022.12.01
Design By: SE	Drawn By: SW
Project Number: 2073-01	Sheet Number: L 2.0

CONCEPTUAL ONLY



Revisions:

5 - 'CONCEPTUAL ONLY' NOTE ADDED
(PENDING FINAL HERITAGE APPROVAL).

7	RE-ISSUED FOR PLAN OF SUBDIVISION		2024.12.13
6	RE-ISSUED FOR PLAN OF SUBDIVISION		2023.10.18
5	RE-ISSUED FOR PLAN OF SUBDIVISION		2023.08.10
4	RE-ISSUED FOR PLAN OF SUBDIVISION		2023.05.26
3	ISSUED FOR PLAN OF SUBDIVISION		2023.03.06
2	ISSUED FOR CO-ORDINATION		2023.02.28
1	ISSUED FOR CO-ORDINATION		2023.02.13
No.	Revision		Date

North:	Stamp: 
---------------	---

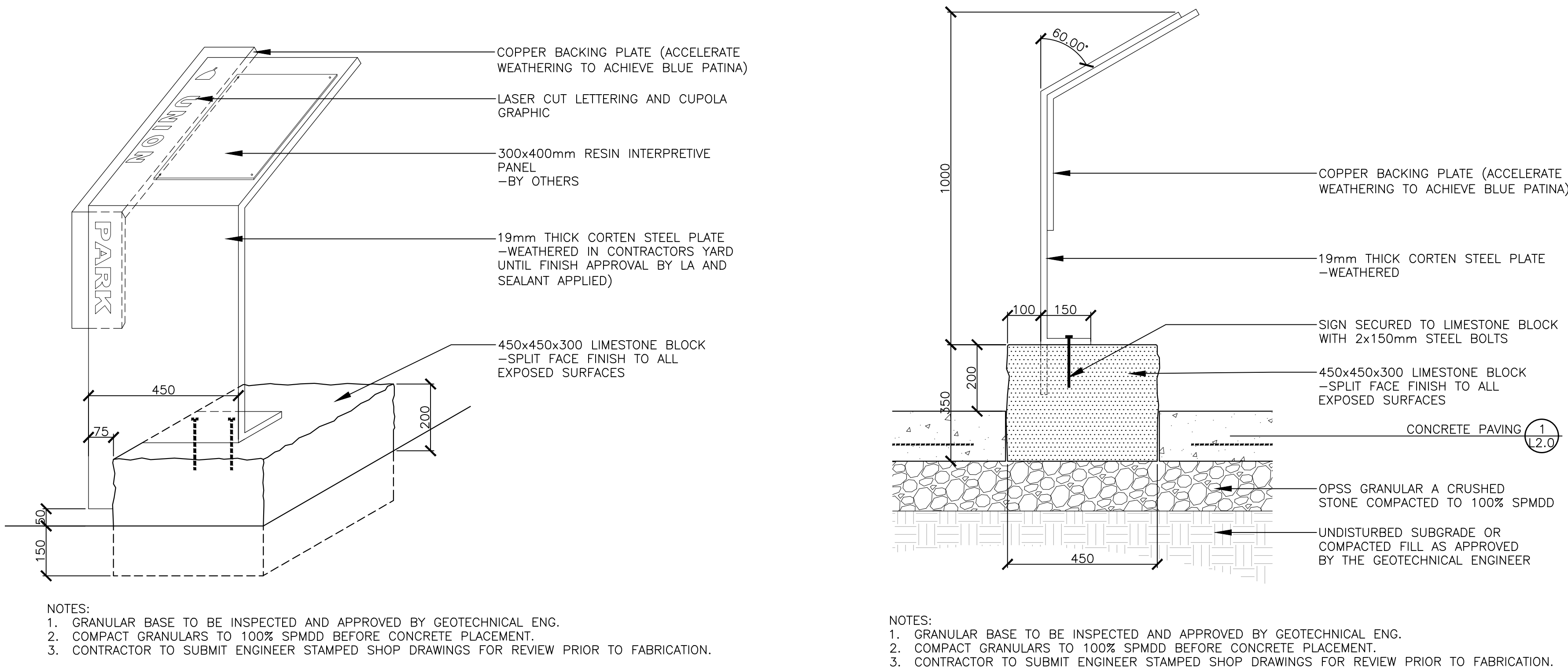
1. All measurements in millimeters unless specified otherwise. Do not scale drawing. All drawings to be read in conjunction with written specifications.
2. Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.
3. This Drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:
 - check and verify all dimensions on site;
 - report all errors and/or omissions to the landscape architect;
 - comply with all pertinent codes and by-laws;
 - check and verify locations of all underground services with all local utilities prior to any digging.

Project:

Union Park

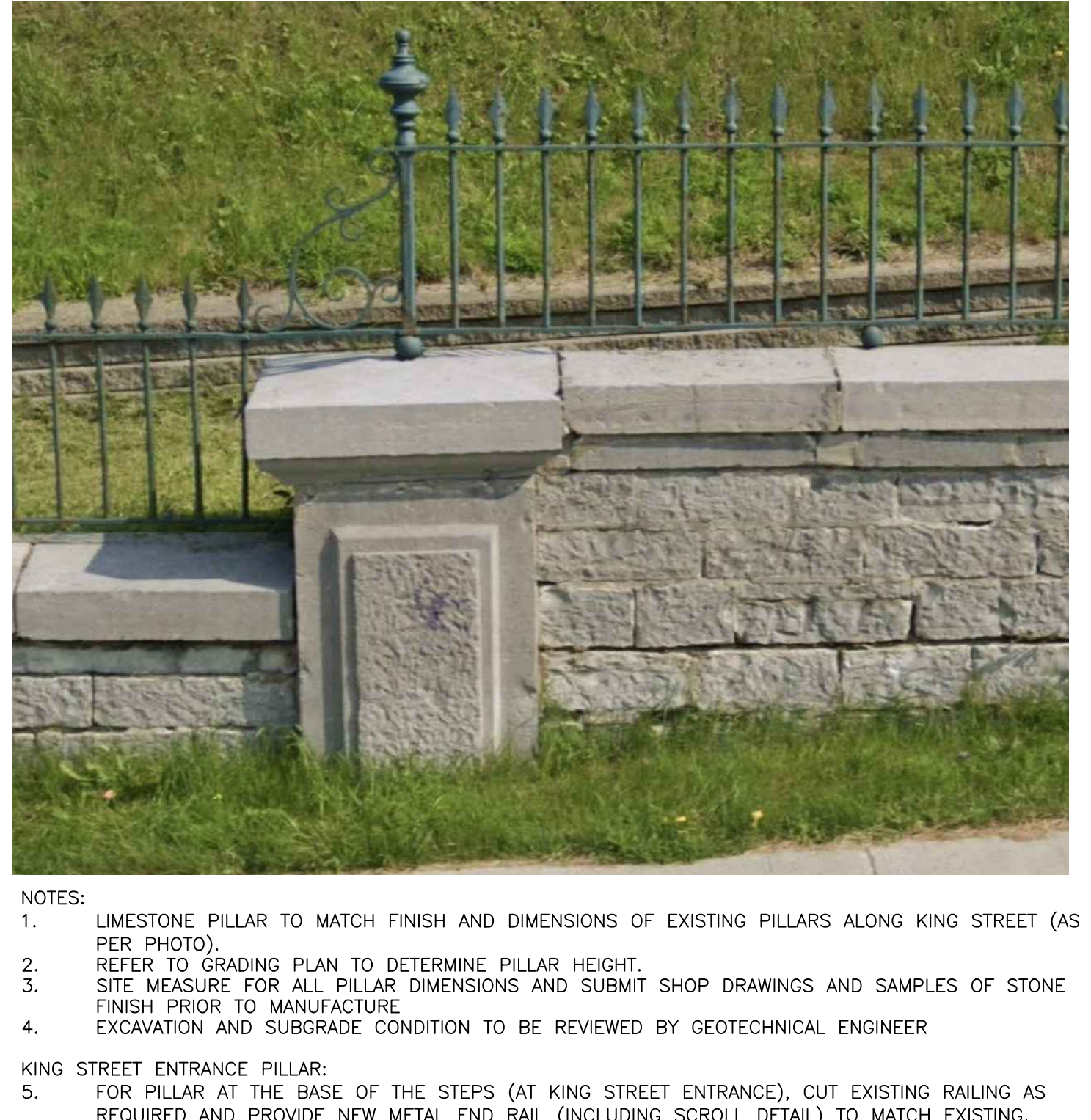
KINGSTON, ONTARIO

Drawing:	
LANDSCAPE DETAILS	
Scale:	Date: 2022.12.01
Design By: SE	Drawn By: SW
Project Number: 2073-01	Sheet Number: L 2.1



1 INTERPRETIVE SIGN

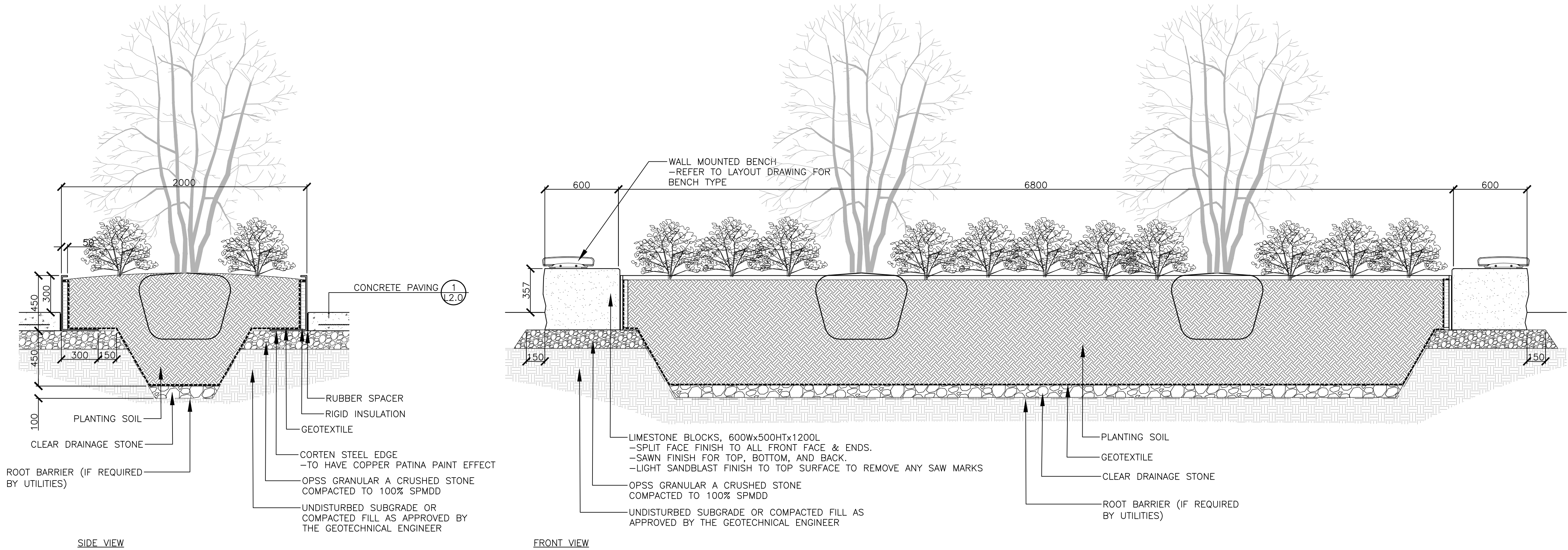
Scale 1:10



- NOTES:
1. LIMESTONE PILLAR TO MATCH FINISH AND DIMENSIONS OF EXISTING PILLARS ALONG KING STREET (AS PER PHOTO).
 2. REFER TO GRADING PLAN TO DETERMINE PILLAR HEIGHT.
 3. SITE MEASURE FOR ALL PILLAR DIMENSIONS AND SUBMIT SHOP DRAWINGS AND SAMPLES OF STONE FINISH PRIOR TO MANUFACTURE.
 4. EXCAVATION AND SUBGRADE CONDITION TO BE REVIEWED BY GEOTECHNICAL ENGINEER
- KING STREET ENTRANCE PILLAR:
5. FOR PILLAR AT THE BASE OF THE STEPS (AT KING STREET ENTRANCE), CUT EXISTING RAILING AS REQUIRED AND PROVIDE NEW METAL END RAIL (INCLUDING SCROLL DETAIL) TO MATCH EXISTING.

3 LIMESTONE PILLAR

Scale 1:10



2 METAL PLANTER

Scale 1:20

Revisions:

6 - 'CONCEPTUAL ONLY' NOTE ADDED (PENDING FINAL HERITAGE APPROVAL).

No.	Revision	Date
7	RE-ISSUED FOR PLAN OF SUBDIVISION	2024.12.13
6	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.10.16
5	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.08.10
4	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.05.26
3	ISSUED FOR PLAN OF SUBDIVISION	2023.03.06
2	ISSUED FOR CO-ORDINATION	2023.02.28
1	ISSUED FOR CO-ORDINATION	2023.02.13

North:

Stamp:

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
MEMBER
OALA
SHERI L. EDWARDS

CSW

Landscape Architecture
Urban Design
Site Planning
Recreation and Park Planning
Project Management

319 McRae Avenue, Suite 502, Ottawa, Ontario, K1Z 0B9
Tel: (613) 729-4536

1. All measurements in millimeters unless specified otherwise. Do not scale drawing. All drawings to be read in conjunction with written specifications.
2. Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.
3. This drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:
 - check and verify all dimensions on site;
 - report all errors and/or omissions to the landscape architect;
 - comply with all pertinent codes and by-laws;
 - check and verify locations of all underground services with all local utilities prior to any digging.

Project:

Union Park

KINGSTON, ONTARIO

Drawing:

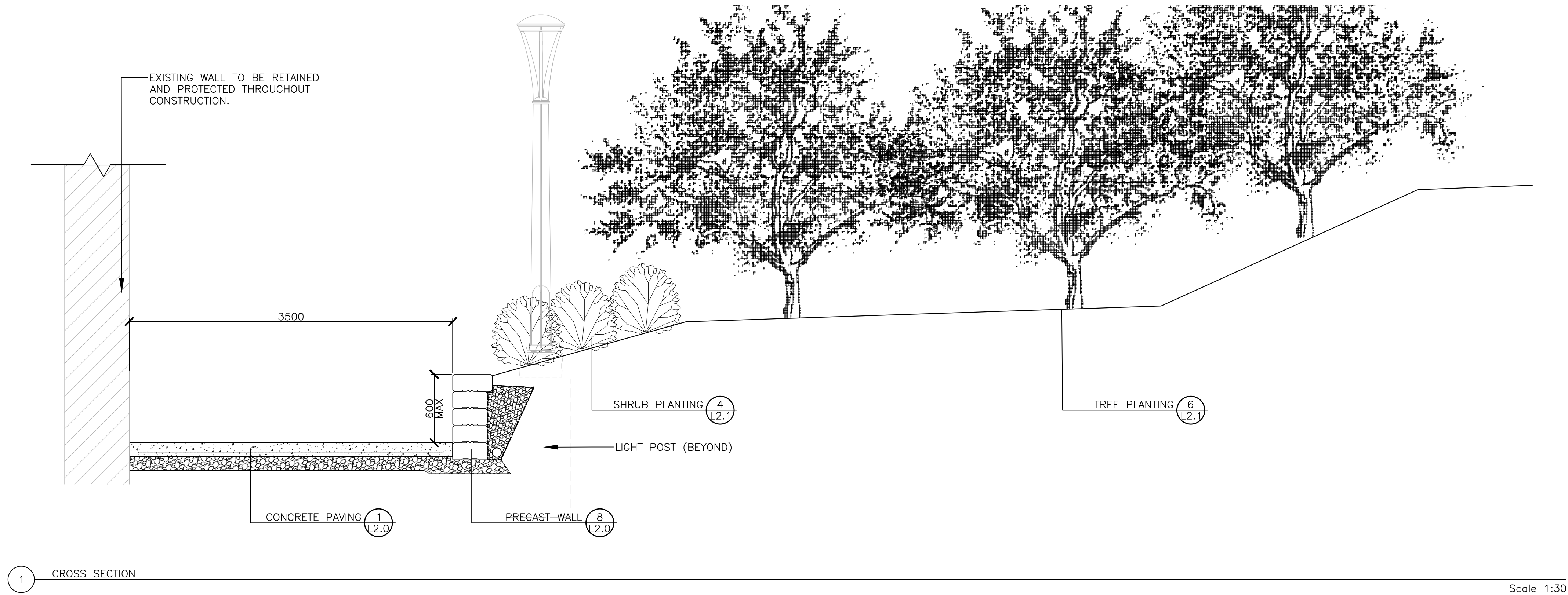
LANDSCAPE DETAILS

Scale:	Date:
Design By:	Drawn By:
Project Number:	Sheet Number:

SE SW
2073-01 L 2.2

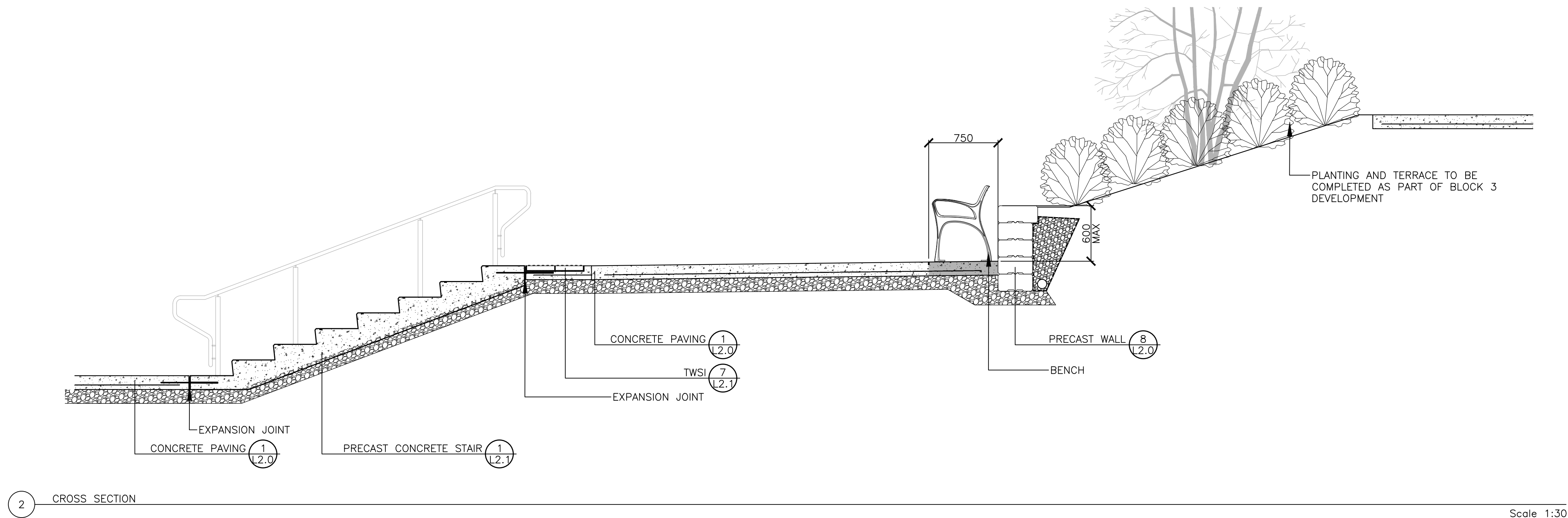
CONCEPTUAL ONLY

Last Saved: 2024-12-13 10:56:49 AM
 File Location: Z:\Projects\2073-01 Union Park Kingston\Drawings\DESIGN Plan Of Subdivision 022073-01 Union Park Kingston_POS 03(Details).dwg



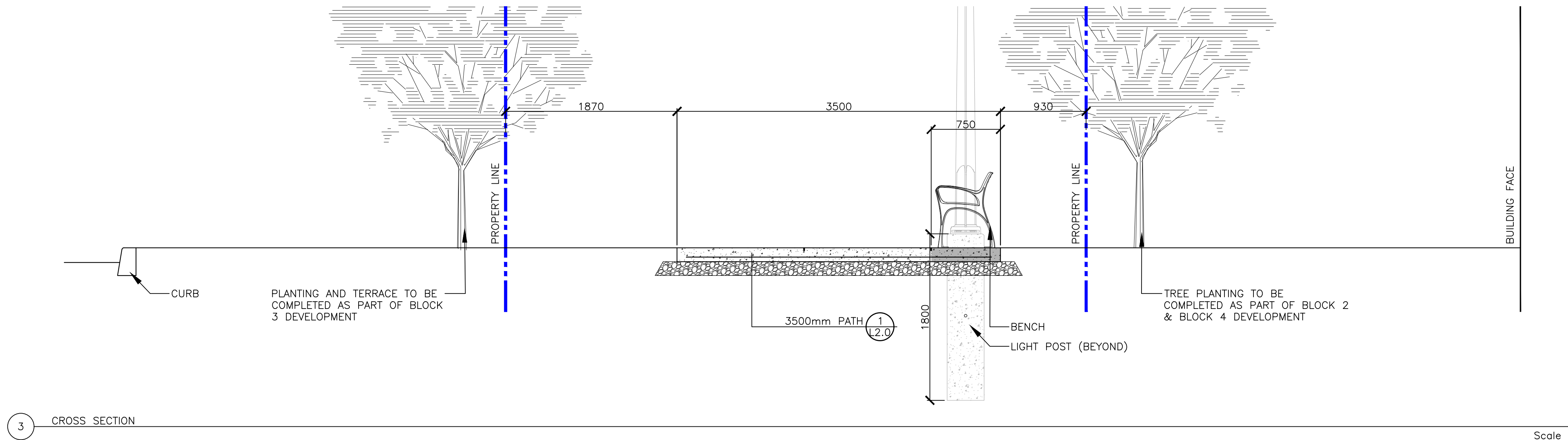
1 CROSS SECTION

Scale 1:30



2 CROSS SECTION

Scale 1:30



3 CROSS SECTION

Scale 1:30

Revisions:

No.	Revision	Date
5	- 'CONCEPTUAL ONLY' NOTE ADDED (PENDING FINAL HERITAGE APPROVAL).	

7	RE-ISSUED FOR PLAN OF SUBDIVISION	2024.12.13
6	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.10.16
5	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.08.10
4	RE-ISSUED FOR PLAN OF SUBDIVISION	2023.05.26
3	ISSUED FOR PLAN OF SUBDIVISION	2023.03.06
2	ISSUED FOR CO-ORDINATION	2023.02.28
1	ISSUED FOR CO-ORDINATION	2023.02.13
No.	Revision	Date

North:

Stamp:

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO

MEMBER

CSW

SHERI L. EDWARDS

CSW

Landscape Architecture
Urban Design
Site Planning
Recreation and Park Planning
Project Management

319 McRae Avenue, Suite 502, Ottawa, Ontario, K1Z 0B9
Tel: (613) 729-4536

1. All measurements in millimeters unless specified otherwise.
Do not scale drawing. All drawings to be read in conjunction with written specifications.

2. Copyright reserved. This drawing is the exclusive property of CSW Landscape Architects Ltd. and shall not be used without the consent thereof.

3. This Drawing may not be used for construction until signed by the landscape architect. It is the responsibility of the contractor to:

- check and verify all dimensions on site;
- report all errors and/or omissions to the landscape architect;
- comply with all pertinent codes and by-laws;
- check and verify locations of all underground services with all local utilities prior to any digging.

Project:

Union Park

KINGSTON, ONTARIO

Drawing:

LANDSCAPE DETAILS

Scale:

Date:2022.12.01

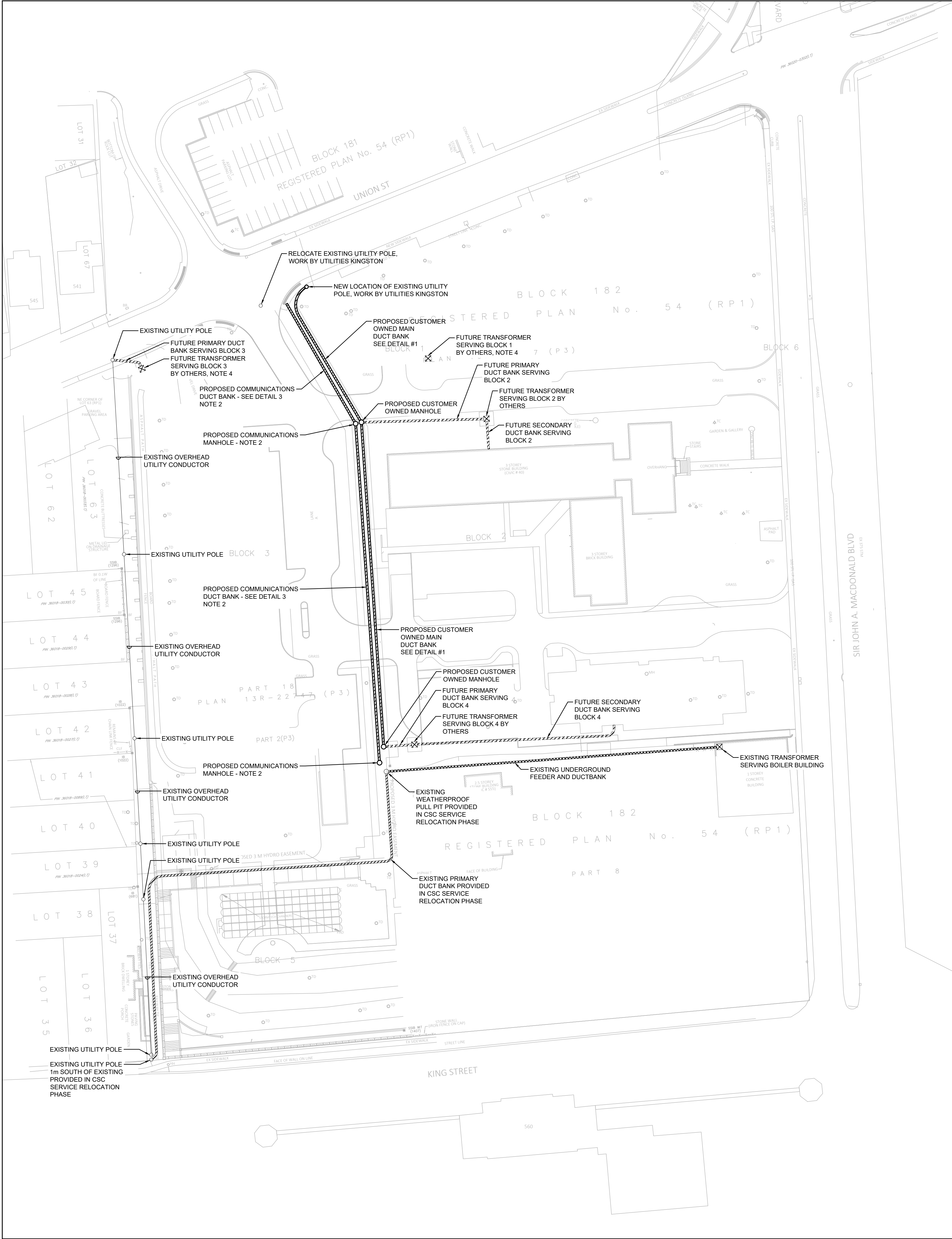
Design By:SE

Drawn By:SW

Project Number:2073-01

Sheet Number:L 2.3

CONCEPTUAL ONLY

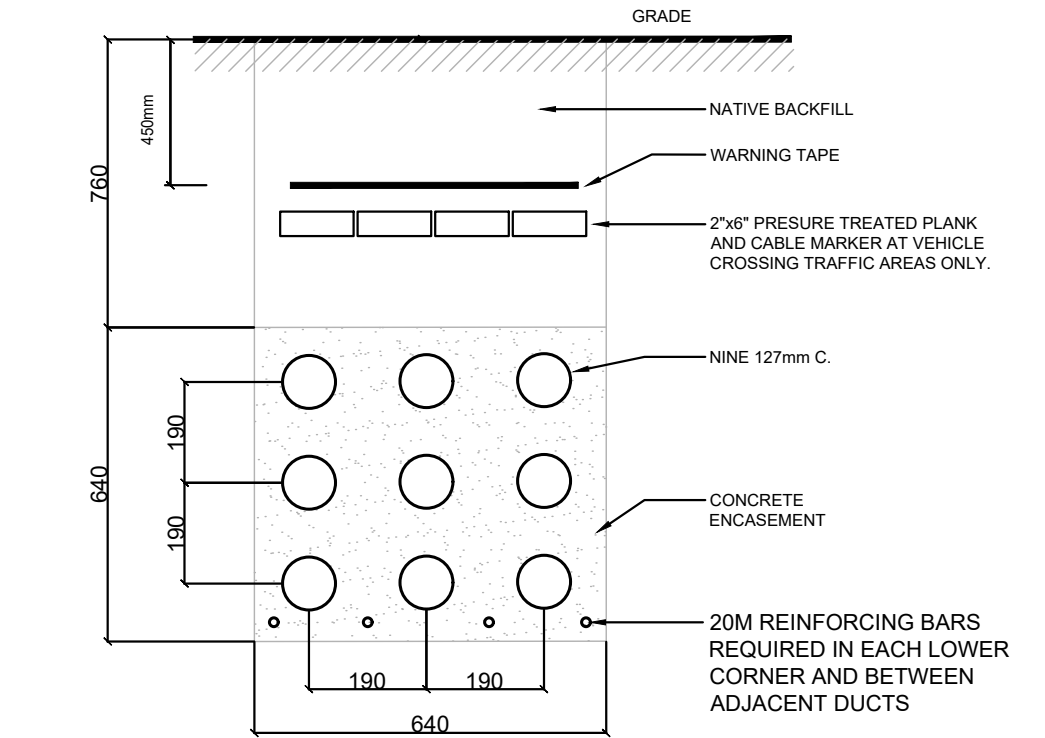


ELECTRICAL SITE PLAN

SCALE: 1:600

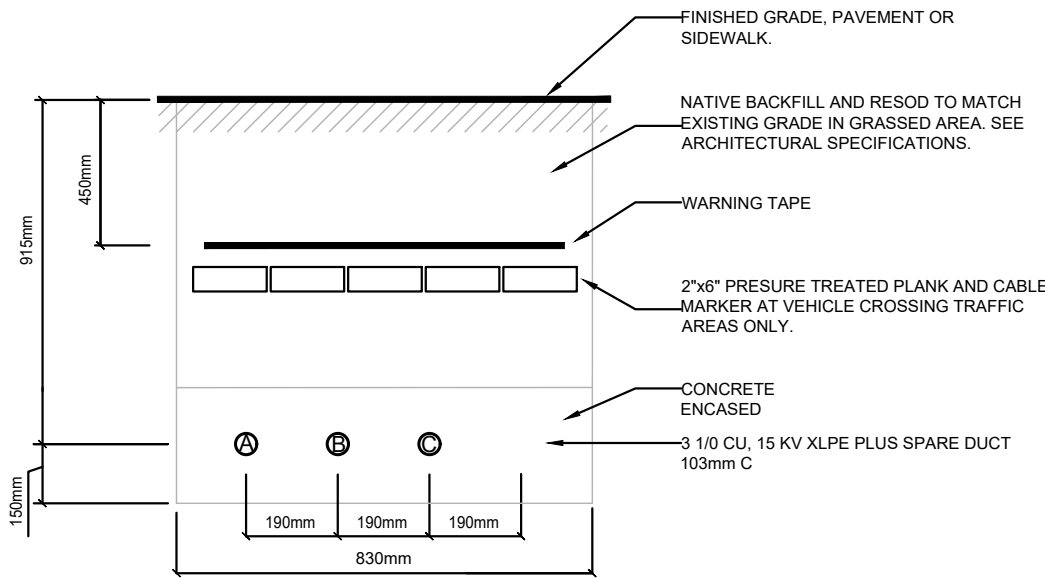
DRAWING NOTES (INDICATED WITH HEXAGONS):

- COORDINATE ALL WORK WITH UTILITIES KINGSTON. PROVIDE UTILITY LOCATES PRIOR TO ANY UNDERGROUND WORK.
- COORDINATE COMMUNICATION DUCT BANK INSTALLATION WITH BELL, COGECO AND UTILITIES KINGSTON FIBRE PRIOR TO ANY WORK.
- ALL PRIMARY AND SECONDARY DUCT BANKS AND TRANSFORMER LOCATIONS WILL BE DETERMINED AT SITE PLAN STAGE.
- BLOCK 1 TRANSFORMER TO BE DETERMINED AT SITE PLAN STAGE. TRANSFORMER TO BE FED FROM UNION STREET.



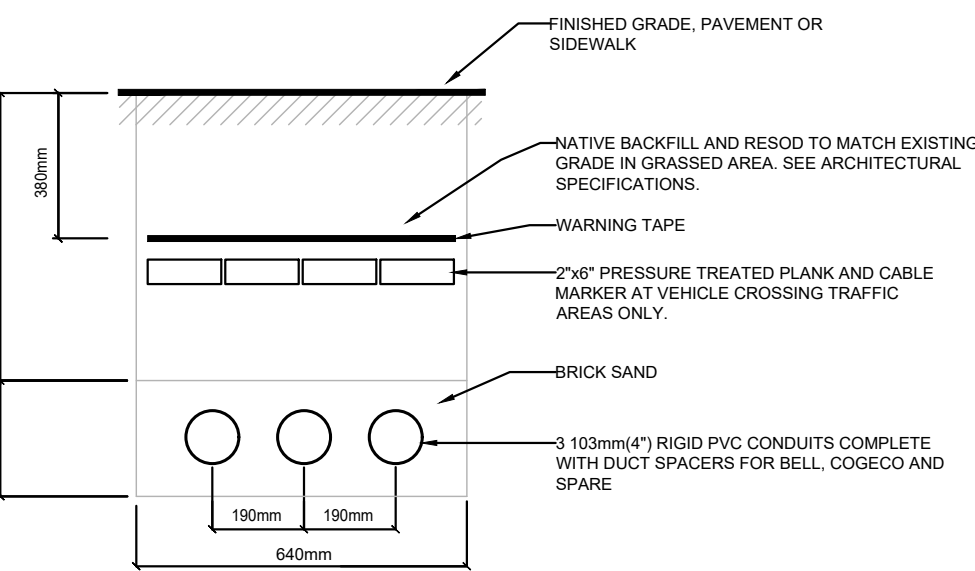
NOTES: INSTALL AS PER UTILITIES KINGSTON MAIN DUCT BANK STANDARDS

DETAIL #1 - UTILITIES KINGSTON MAIN DUCT BANK



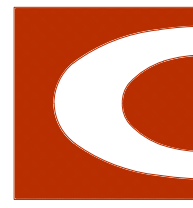
NOTES: INSTALL AS PER UTILITIES KINGSTON PRIMARY DUCT BANK STANDARDS

DETAIL #2 - UTILITIES KINGSTON PRIMARY DUCT BANK DETAIL - FUTURE



NOTES: INSTALL AS PER OESC DIAGRAM D11 DETAIL 3 AND TABLE D11A OR D11B

DETAIL #3 - COMMUNICATIONS TRENCH DETAIL



Callidus
Engineering
We Make Buildings Work

LONDON: 1385 North Routledge Park, Unit 9
London, ON N6H 5N5 P 519.472.7640

KINGSTON: 1471 John Counter Blvd. Unit 301
Kingston, ON K7M 8S8 P 613.900.0845

KITCHENER: 210-137 Glasgow Street, Office #141
Kitchener, ON N2G 4X8 P 519.472.7640

W www.callidus.ca

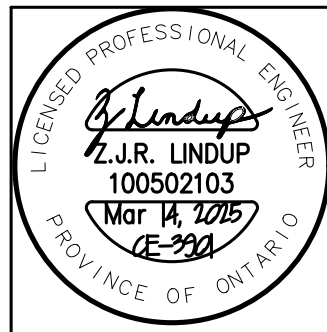
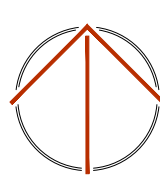
E info@callidus.ca

KEYPLAN

REVISIONS

NO.	ISSUED FOR	DATE
00	ISSUED FOR REVIEW	23/03/03
01	ISSUED FOR SUBDIVISION	24/04/08
02	REISSUED FOR SUBDIVISION	25/03/14

NORTH



DESIGN	ZL	DRAWN	ZL
CHECKED	AH	REVIEWED	AH

PROJECT

UNION PARK
EARLY WORKS

ADDRESS

KINGSTON, ON

PROJECT NO.

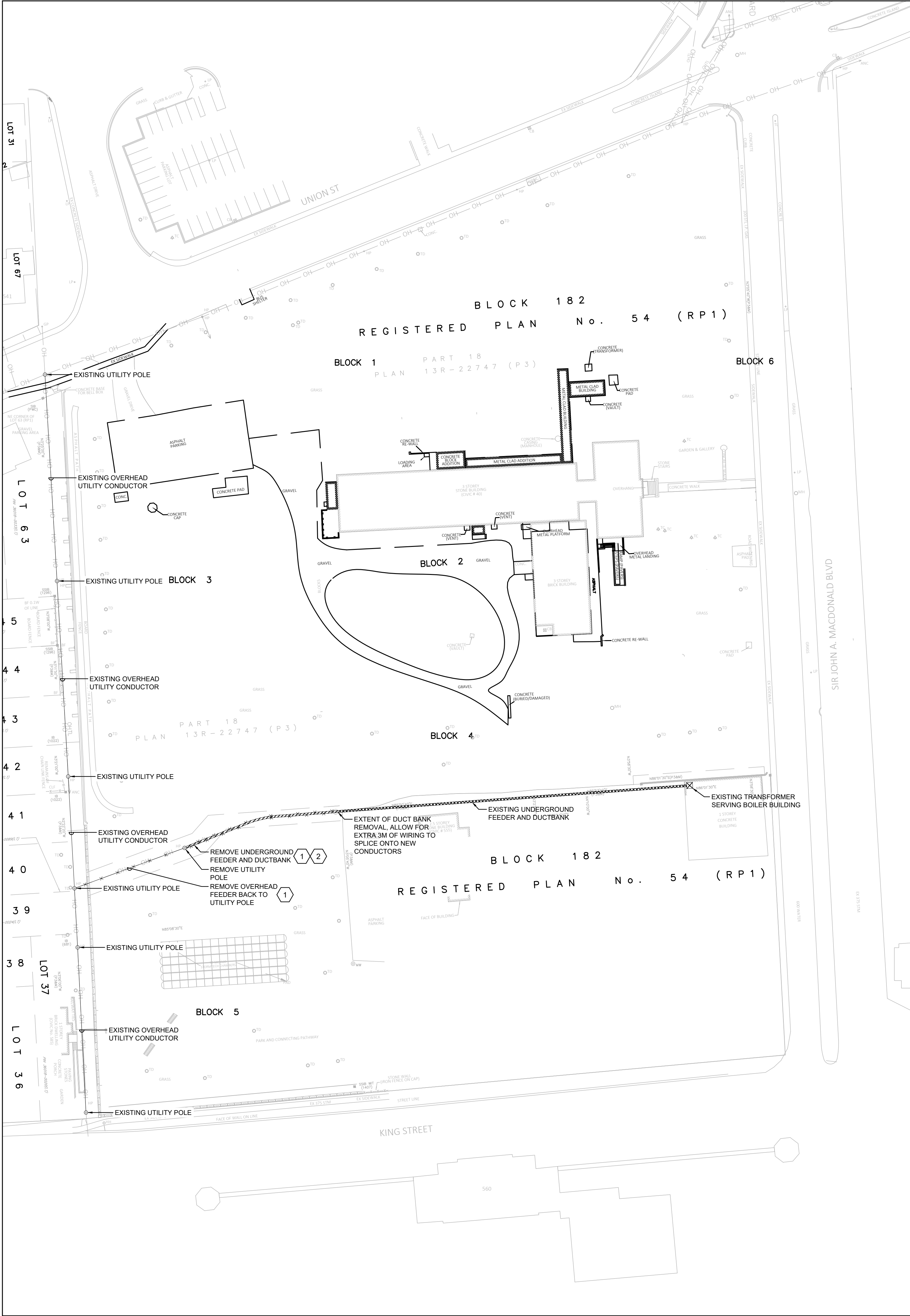
CE-3901

DRAWING TITLE

ELECTRICAL LEGEND, GENERAL
NOTES AND SITE PLAN

DRAWING NUMBER

E1



ELECTRICAL SITE PLAN
DEMOLITION

- SCALE: 1:600
- DRAWING NOTES (INDICATED WITH HEXAGONS):
- COORDINATE ALL WORK WITH UTILITIES KINGSTON. PROVIDE UTILITY LOCATES PRIOR TO ANY UNDERGROUND WORK.
 - TRACE OUT AND REMOVE UNDERGROUND DUCT BANK AND CONDUCTORS.

- ELECTRICAL GENERAL REQUIREMENTS
- GENERAL CONDITIONS
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO ELECTRICAL SAFETY CODE, THE LOCAL ELECTRICAL SAFETY AUTHORITY INSPECTION OFFICE, THE ONTARIO BUILDING CODE, THE ONTARIO FIRE CODE AND ANY OTHER LOCAL REGULATIONS HAVING JURISDICTION OVER THE WORK OF THIS TRADE.
 - BEFORE TENDERING, EXAMINE THE SITE AND ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND BE FAMILIAR WITH THE WORK OF THIS TRADE. NO EXTRAS WILL BE ALLOWED FOR THE FAILURE TO DO SO.
 - ALL ELECTRICAL WORK SHALL COMPLY WITH CSA ELECTRICAL BULLETIN APPLICABLE AT TENDER CLOSE. WHERE SPECIFIC BULLETINS ARE NOT NAMED THEY ARE STILL CONSIDERED AN INTEGRAL PART OF THIS SPECIFICATION.
 - PROVIDE ALL GROUNDING AND BONDING TO GROUND REQUIRED, REGARDLESS IF NOT SHOWN ON THE DRAWINGS. GROUNDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO ELECTRICAL SAFETY CODE.
 - PROVIDE ALL NEW MATERIALS HAVING CSA, CUL, WARNOCK HERSEY OR OTHER APPROVAL AGENCY LABEL AND LISTING. ALL WORKMANSHIP BY THIS TRADE SHALL BE FIRST CLASS, CONFORMING TO INDUSTRY STANDARD PRACTICES FOR SAFETY, ACCESSIBILITY, DURABILITY AND NEATNESS FOR ACCEPTANCE BY THE OWNERS' REPRESENTATIVES.
 - ARRANGE AND PAY FOR ALL PERMITS AND INSPECTION FEES REQUIRED FOR THE WORK OF THIS TRADE. SUBMIT TO THE LOCAL ELECTRICAL INSPECTION DEPARTMENT AND/OR ELECTRICAL SUPPLY AUTHORITY ANY AND ALL DRAWINGS REQUIRED FOR PERMITS, FEES, APPROVALS, EXAMINATIONS AND SERVICES.
 - PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS TRADE. ALL CUTTING AND PATCHING SHALL BE PERFORMED BY QUALIFIED TRADES PERSONS. INCLUDE ALL COSTS FOR CUTTING AND PATCHING RELATED TO THE WORK OF THIS TRADE IN THE TENDER PRICE.
 - TOUCH-UP ALL SHOP PAINTED EQUIPMENT DAMAGED IN TRANSIT OR DURING INSTALLATION TO MATCH ORIGINAL SHOP FINISH.
 - AVOID ACCUMULATION OF DEBRIS AS THE WORK PROGRESSES. ON COMPLETION OF THE CONSTRUCTION AND PRIOR TO THE FINAL INSPECTION AND ACCEPTANCE BY THE OWNER, CLEAN UP AND REMOVE FROM THE SITE ALL SCRAP MATERIALS RESULTING FROM THE WORK OF THIS TRADE.
 - CO-ORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES ON THE JOB SO THAT THE WORK MAY PROGRESS WITHOUT ANY DELAY.
 - PRIOR TO THE FINAL INSPECTION, CLEAN ALL ELECTRICAL EQUIPMENT. CLEAN ALL CONSTRUCTION DUST AND DIRT FROM INSTALLED EQUIPMENT AT THE END OF THE JOB.
 - UPON COMPLETION OF THE WORK, PROVIDE THE FINAL UNCONDITIONAL CERTIFICATE OF ACCEPTANCE FROM THE LOCAL ELECTRICAL SAFETY AUTHORITY INSPECTION OFFICE.
 - PROVIDE A ONE YEAR GUARANTEE ON ALL MATERIALS, AND LABOUR FROM THE DATE OF ACCEPTANCE BY THE OWNER. COMPLETE ALL WARRANTY REGISTRATION DOCUMENTATION ON BEHALF OF THE BUILDING OWNER. SUBMIT COPIES OF COMPLETED DOCUMENTATION IN OPERATIONS AND MAINTENANCE MANUALS.
 - SUBMIT SHOP DRAWINGS IN ELECTRONIC PDF FORMAT FOR THE FOLLOWING EQUIPMENT: BREAKERS, FIRE ALARM DEVICES, EXIT AND EMERGENCY LIGHTING UNITS, ETC. THE SHOP DRAWINGS SHALL BEAR THE NAME OF THE MANUFACTURER, THE MANUFACTURER'S CATALOGUE NUMBER, AND THE CONSULTANT'S DESIGNATION, ALONG WITH ALL PERTINENT INFORMATION PERTAINING TO THAT SPECIFIC PIECE OF EQUIPMENT.
 - ALL ELECTRICAL EQUIPMENT SHALL BE MOUNTED PLUMBED TRUE.
 - OBTAIN ONE SET OF PRINTS FOR AS-BUILT PURPOSES AND RECORD ON THESE PRINTS ALL CHANGES TO THE DESIGN DRAWINGS TO REFLECT THE ACTUAL CONSTRUCTION CONDITIONS, EQUIPMENT LOCATIONS AND EQUIPMENT SPECIFICATIONS. AT THE END OF CONSTRUCTION, AND PRIOR TO THE FINAL INSPECTION BY THE CONSULTANT, TRANSFER AS-BUILT MARK-UPS TO AUTOCAD/REVIT AND SUBMIT AUTOCAD AND PDF FILES TO THE CONSULTANT. SUBMIT FOR REVIEW. SUBMIT FINAL CAD FILES OF THE AS-BUILT DRAWINGS ON CD/USB KEY. NO FINAL INSPECTION WILL BE PERFORMED UNTIL THESE DRAWINGS ARE SUBMITTED.
 - PREPARE THREE SETS OF OPERATIONS AND MAINTENANCE MANUALS FOR PRESENTATION TO THE OWNER. PROVIDE COPIES OF ALL REVIEWED SHOP DRAWINGS FOR THE PROJECT, MANUFACTURER'S INSTALLATION INSTRUCTIONS, MANUFACTURER'S MAINTENANCE INSTRUCTIONS, AND COPIES OF ALL TEST DATA, VERIFICATION CERTIFICATES, MANUFACTURER'S WARRANTIES AND GUARANTEES. THE GUARANTEE OF THIS TRADE INDICATING START DATE AND END DATE AS WELL AS CONTRACT NUMBERS.
 - WHERE THE WORD PROVIDE IS USED IN THESE SPECIFICATIONS OR ON THE DRAWINGS, IT HAS THE MEANING "PROVIDE AND INSTALL COMPLETE WITH ALL ASSOCIATED MOUNTING HARDWARE AND CONNECTIONS".
 - CHANGES IN THE WORK
 - 19.1. CHANGES TO THE CONTRACT REQUIRING ADDITIONS TO OR DELETIONS FROM THE WORK OF THIS DIVISION SHALL BE CARRIED OUT UPON WRITTEN REQUEST OF THE CONSULTANT. EXTRAS TO THE CONTRACT OR CREDITS SHALL BE SUBMITTED WITH A COMPLETE COST BREAKDOWN AS FOLLOWS: MATERIALS, QUANTITIES AND UNIT PRICES FOR ALL EQUIPMENT REQUIRED OR DELETED, UNIT MAN HOURS TOTAL MATERIAL COST, TOTAL MAN HOURS, HOURLY RATE, (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT), TOTAL OVERHEAD AND PROFIT. (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT).

- CONDUCTORS & RACEWAYS
- USE RW90 COPPER CONDUCTORS CSA APPROVED FOR THE APPLICATION. SIZE THE CONDUCTORS SO THAT THE MAXIMUM BRANCH CIRCUIT VOLTAGE DROP DOES NOT EXCEED 3%. MINIMUM CONDUCTOR SIZE IS #12 AWG UNLESS OTHERWISE INDICATED.
 - DESIGN IS BASED ON COPPER CONDUCTORS EXCEPT WHERE SHOWN ON THE DRAWINGS. ALUMINUM CONDUCTORS MAY BE USED ONLY FOR FEEDERS #6 AWG OR LARGER. SIZE THE ALUMINUM CONDUCTORS TO THE EQUIVALENT AMPACITY OF COPPER CONDUCTORS. CONDUCTORS IN UNDERGROUND RACEWAYS TO BE RWU90 IN POLYETHYLENE PIPE.
 - TERMINATE ALUMINUM FEEDER CONDUCTORS WITH PRESSURE CONNECTORS, AND UTILIZE AN OXIDE PREVENTATIVE SOLUTION "PENETROX" ON ALL BARE SURFACES. LUGS TO BE ALUMINUM OR ALUMINUM/COPPER ALLOY ONLY.
 - ALL CONDUCTORS ARE TO BE INSTALLED IN RACEWAYS AS DESCRIBED BELOW:
 - IN CONCRETE SLAB, UNDERGROUND BURIED, BELOW SLAB ON GRADE OR EXTERIOR EXPOSED SURFACE RACEWAYS: PVC CONDUIT
 - INTERIOR SURFACE RACEWAYS, BRANCH CIRCUIT WIRING FROM PANELS, CONCEALED IN ACCESSIBLE CEILINGS AND INTERIOR WALLS OR IN INTERIOR CONCRETE BLOCK CONSTRUCTION: EMT RACEWAYS
 - OBTAIN PERMISSION FROM THE CONSULTANT PRIOR TO INSTALLATION. COLOUR AND SIZE OF RACEWAYS TO BE CONFIRMED WITH CONSULTANT FOR THE SPECIFIC APPLICATION.
 - MINIMUM RACEWAY SIZE FOR EXTERIOR U/G BURIED APPLICATION IS 3/4" (19MM). MINIMUM BURIES DEPTH IS 36" (900MM) BELOW FINISHED GRADE.
 - ALL CONDUIT AND WIRING IS TO BE CONCEALED IN ALL FINISHED AREAS.

- SERVICE AND DISTRIBUTION
- CONSULT WITH THE LOCAL P.U.C. OR HYDRO ELECTRIC COMMISSION REGARDING ELECTRICAL SERVICES TO THE PROPOSED BUILDING. INCLUDE ALL COSTS LEVIED BY THE SUPPLY AUTHORITY TO PROVIDE ELECTRICAL SERVICES TO THE PROPERTY, IN THE CONTRACT PRICE.
- RENOVATIONS ON EXISTING BUILDING
- RENOVATIONS SHALL BE MADE ON THE EXISTING BUILDING AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. REMOVE ALL EXISTING LUMINAIRES, OUTLET BOXES, SWITCHES, RECEPTACLES, ETC. AS INDICATED ON DRAWINGS. ALL EQUIPMENT REMOVED AND NOT REUSED SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS SPECIFICALLY NOTED OTHERWISE. ALL EQUIPMENT INSTALLED IN RENOVATED AREAS SHALL BE NEW. ELECTRICAL TRADE WILL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL INSTALLATION. ALL CONDUIT SHALL BE INSTALLED CONCEALED IN FINISHED AREAS UNLESS SPECIFICALLY NOTED OTHERWISE.



Callidus
Engineering
We Make Buildings Work

LONDON: 1385 North Routledge Park, Unit 9
London, ON N6H 5N5 P 519.472.7640

KINGSTON: 1471 John Counter Blvd. Unit 301
Kingston, ON K7M 8S8 P 613.900.0845

KITCHENER: 210-137 Glasgow Street, Office #141
Kitchener, ON N2G 4X8 P 519.472.7640

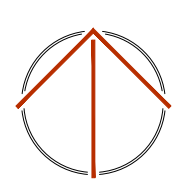
W www.callidus.ca E info@callidus.ca

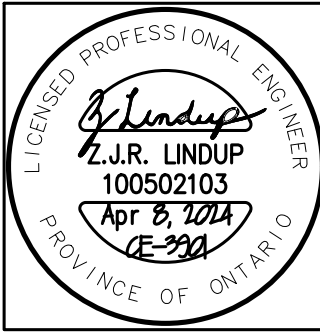
KEYPLAN

REVISIONS

NO.	ISSUED FOR	DATE
00	ISSUED FOR REVIEW	23/03/03
01	ISSUED FOR PERMIT/BID	23/07/11
02	ISSUED FOR CONSTRUCTION	23/08/16
03	REISSUED FOR CONSTRUCTION	24/01/25
04	ISSUED FOR SUBDIVISION	24/04/08

NORTH





DESIGN	ZL	DRAWN	ZL
CHECKED	AH	REVIEWED	AH

PROJECT

UNION PARK
CSC SERVICE RELOCATION

ADDRESS

KINGSTON, ON

PROJECT NO.

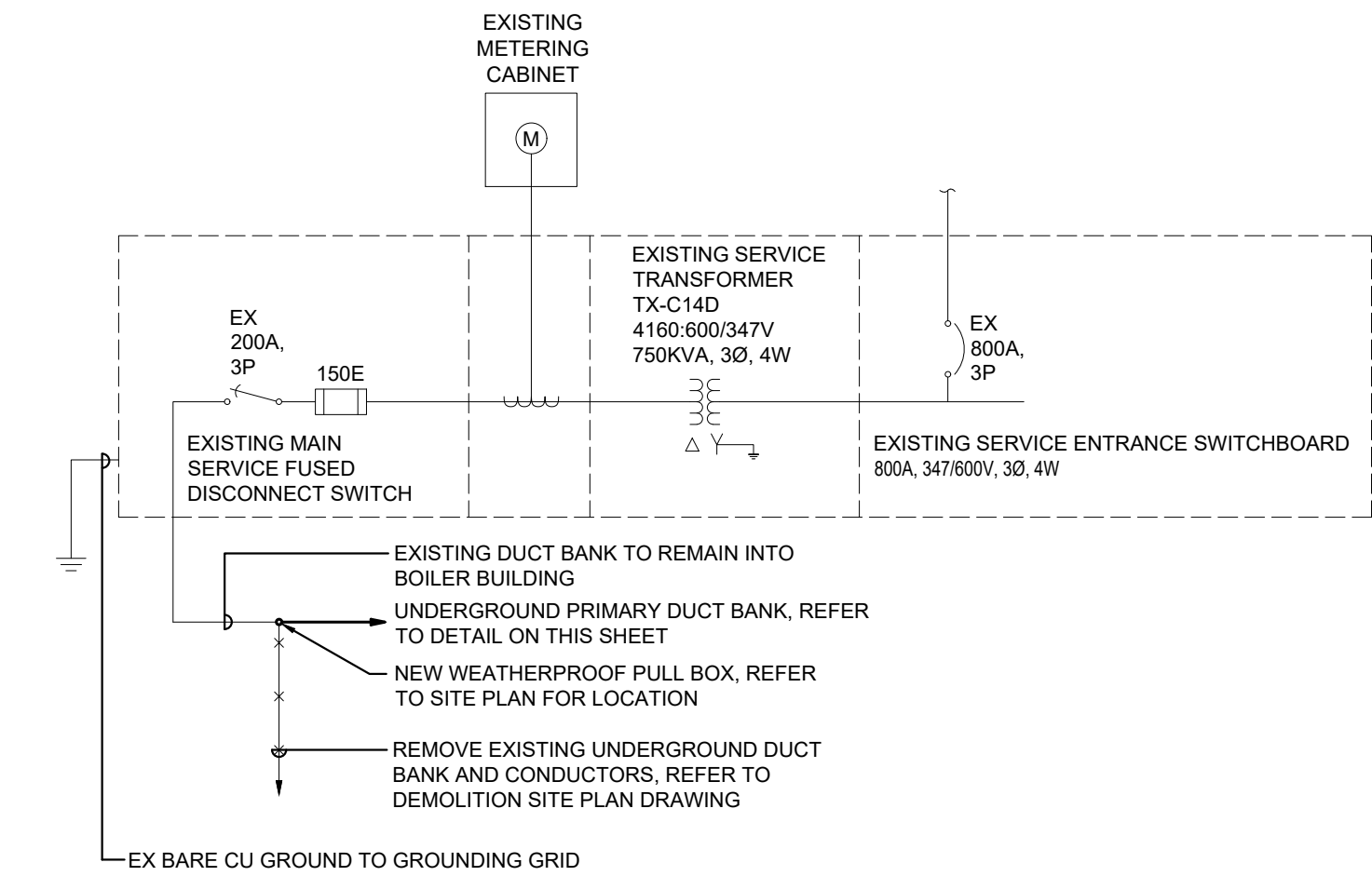
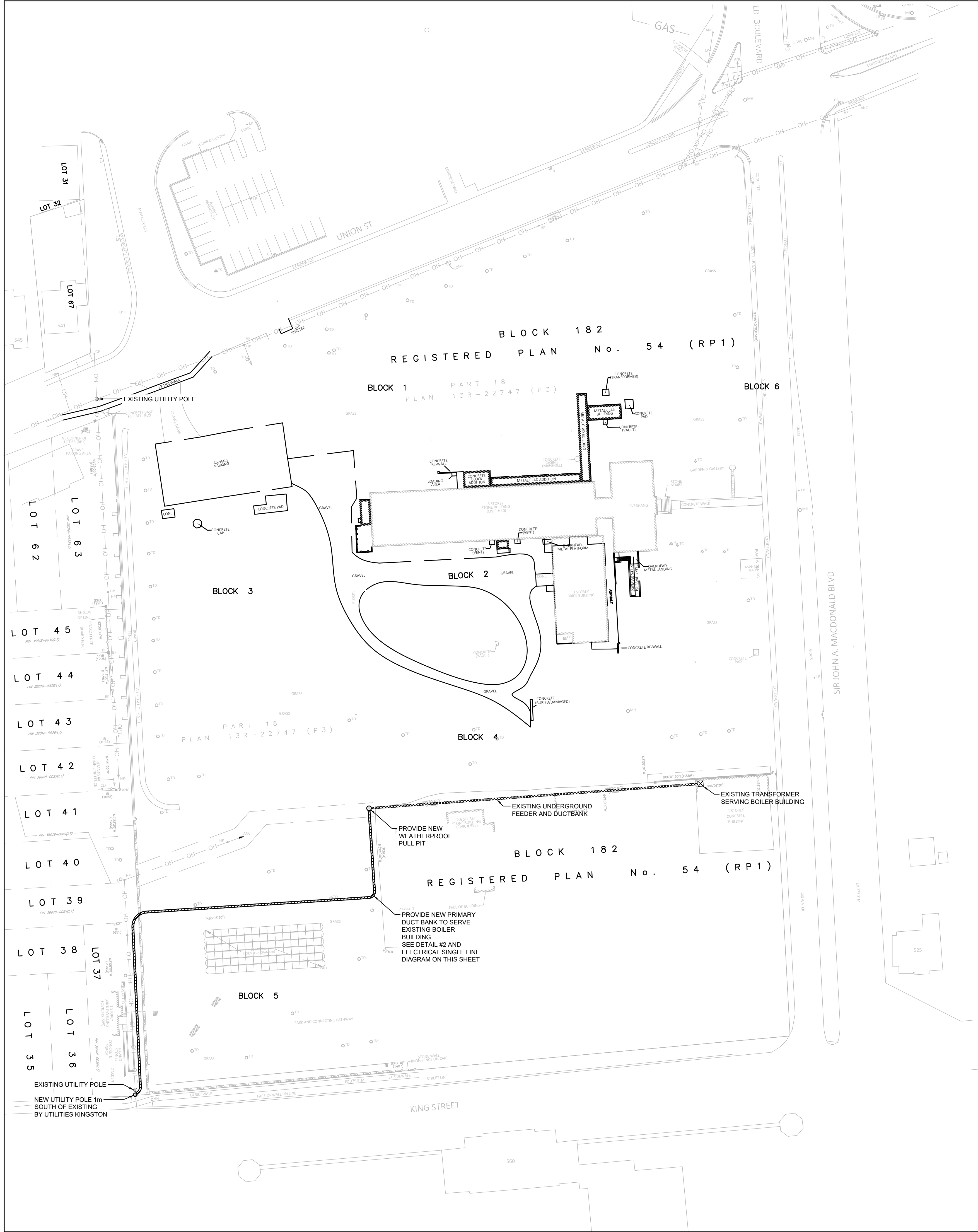
CE-3901

DRAWING TITLE

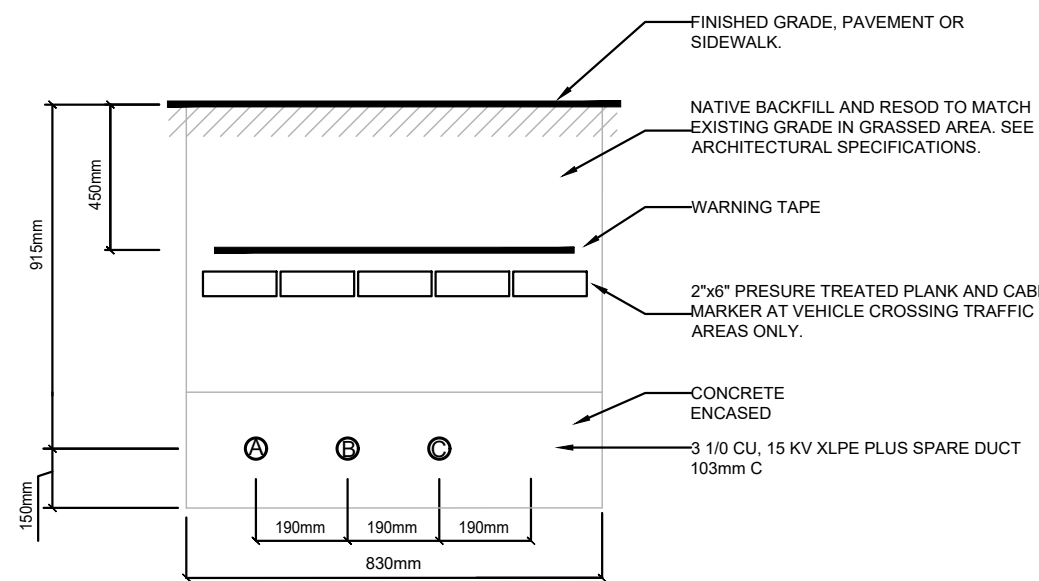
ELECTRICAL SITE PLAN
DEMOLITION AND ELECTRICAL
SPECIFICATIONS

DRAWING NUMBER

CSC-E1



ELECTRICAL SINGLE LINE DIAGRAM
N.T.S.



DETAIL #2 - UTILITIES KINGSTON
PRIMARY DUCT BANK DETAIL
N.T.S.

ELECTRICAL SITE PLAN NEW

SCALE: 1:600

DRAWING NOTES (INDICATED WITH HEXAGONS):

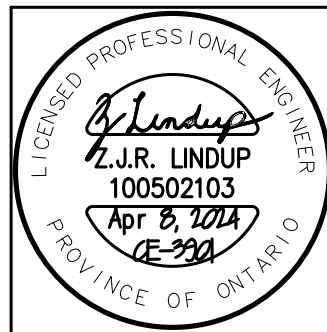
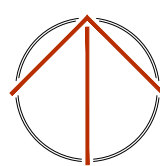
- COORDINATE ALL WORK WITH UTILITIES KINGSTON. PROVIDE UTILITY LOCATES PRIOR TO ANY UNDERGROUND WORK.
- UTILITIES KINGSTON WORK TO INCLUDE THE FOLLOWING:
 - SUPPLY AND INSTALLATION OF NEW UTILITY POLE.
 - TERMINATION OF NEW PRIMARY CABLING ON NEW UTILITY POLE.
- CONTRACTOR WORK TO INCLUDE THE FOLLOWING:
 - PRIMARY DUCT BANK AND CABLING.
 - ALLOW FOR 3m OF COILED PRIMARY CABLING AT UTILITY POLE FOR CONNECTION BY UTILITIES KINGSTON.
 - SPLICE INTO EXISTING CABLING AT PULL PIT.

KEYPLAN

REVISIONS

NO.	ISSUED FOR	DATE
00	ISSUED FOR REVIEW	23/03/03
01	ISSUED FOR PERMIT/BID	23/07/11
02	ISSUED FOR CONSTRUCTION	23/08/16
03	REISSUED FOR CONSTRUCTION	24/01/25
04	ISSUED FOR SUBDIVISION	24/04/08

NORTH



DESIGN	ZL	DRAWN	ZL
CHECKED	AH	REVIEWED	AH

PROJECT

UNION PARK
CSC SERVICE RELOCATION

ADDRESS

KINGSTON, ON

PROJECT NO.

CE-3901

DRAWING TITLE

ELECTRICAL SITE PLAN - NEW,
SINGLE LINE DIAGRAM AND
DETAILS

DRAWING NUMBER

CSC-E2