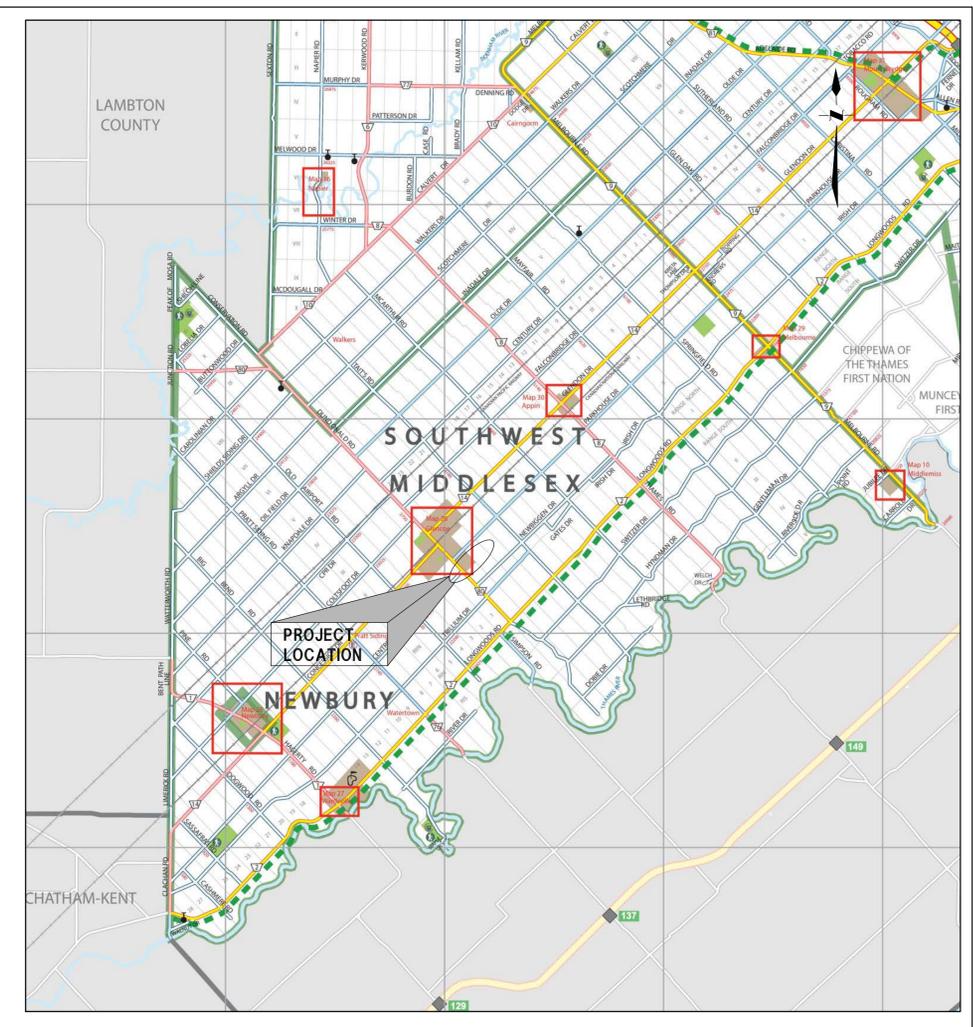
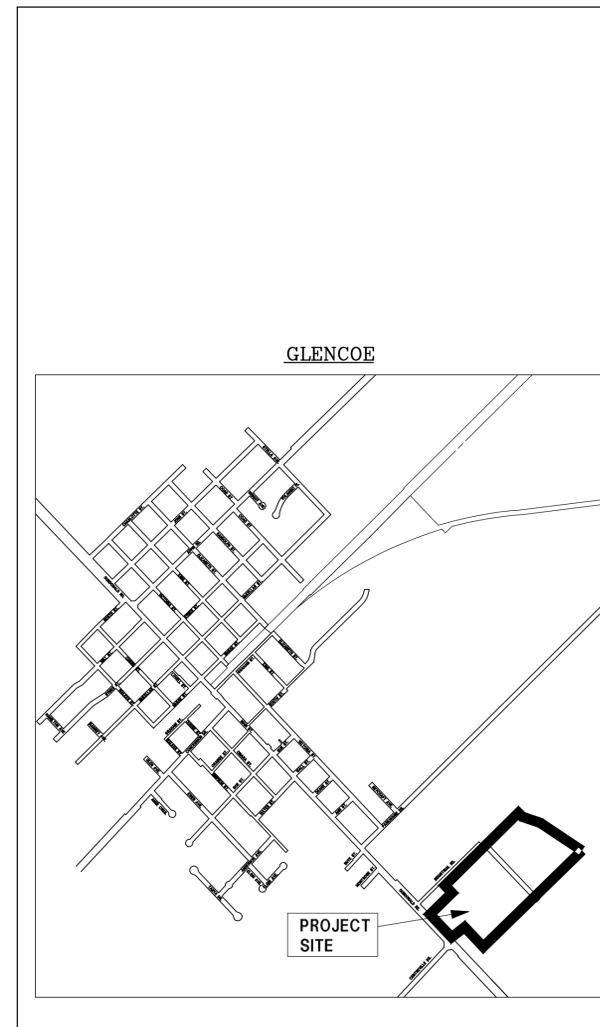


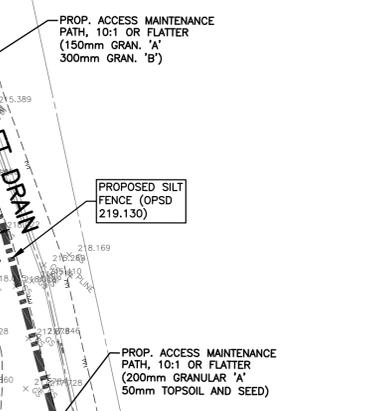
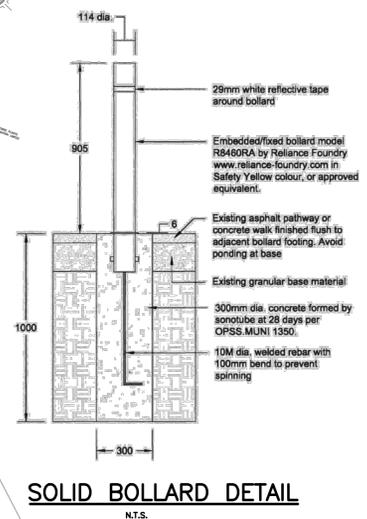
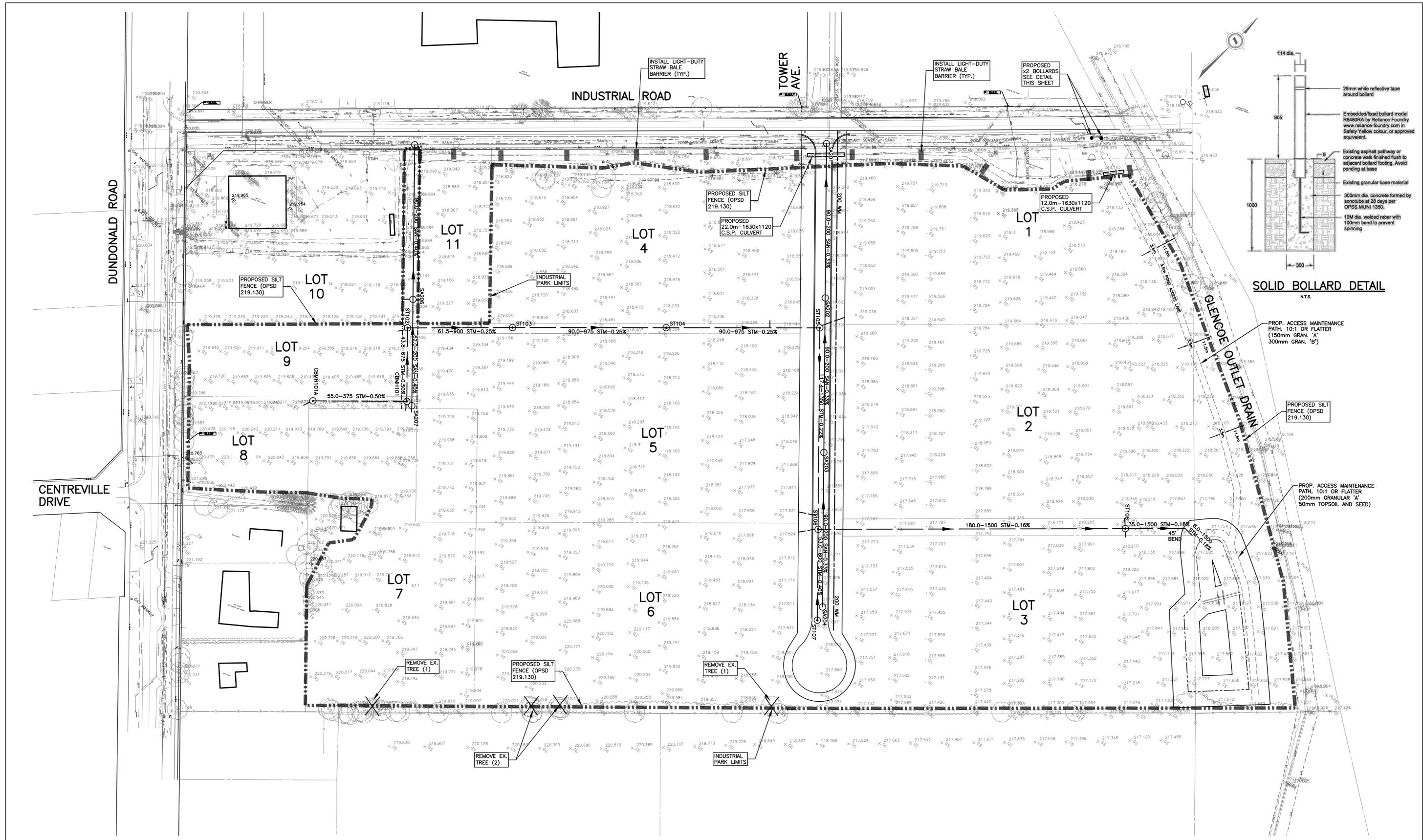
# GLENCOE INDUSTRIAL PARK 2025

## MUNICIPALITY OF SOUTHWEST MIDDLESEX

<i>INDEX OF DRAWINGS</i>	
DRAWING No.	DESCRIPTION
	COVER SHEET
1.	MASTER PLAN OF SERVICES & EROSION CONTROL
2.	INDUSTRIAL ROAD – 110.0m W. OF REAR LOT EASEMENT TO 0+240.0
3.	INDUSTRIAL ROAD – FROM STA. 0+240 TO 32m EAST OF TOWER AVENUE
4.	INDUSTRIAL ROAD – 17.0m E. OF TOWER AVENUE TO GLENCOE OUTLET DRAIN
5.	PROPOSED EASEMENT – FROM STA. 0+000 TO .STA. 0+060
6.	REAR LOT EASEMENT – FROM INDUSTRIAL ROAD TO 163.0m S. OF INDUSTRIAL ROAD
7.	PROPOSED EASEMENT – FROM STA. 0+000 TO STA. 0+170
8.	PROPOSED EASEMENT – FROM STA. 0+160 TO 0+245
9.	PROPOSED ROADWAY – FROM INDUSTRIAL ROAD TO STA. 0+170
10.	PROPOSED ROADWAY – FROM STA. 0+155 TO STA. 0+334
11.	PROPOSED SWALE – FROM PROPOSED ROADWAY TO STA. 0+175
12.	PROPOSED SWALE – FROM STA. 0+160 TO SWM POND
13.	PROPOSED SWM POND
14.	PROPOSED SWM POND – SECTION 'A' AND DETAILS
15.	LOT GRADING PLAN NO.1
16.	LOT GRADING PLAN NO.2
17.	LOT GRADING PLAN NO.3
18.	TYPICAL CROSS-SECTIONS
D1	GENERAL NOTES AND MISCELLANEOUS DETAILS
E1-E2	STREET LIGHTING DRAWINGS



JOB No. 225147  
FEBRUARY 2026



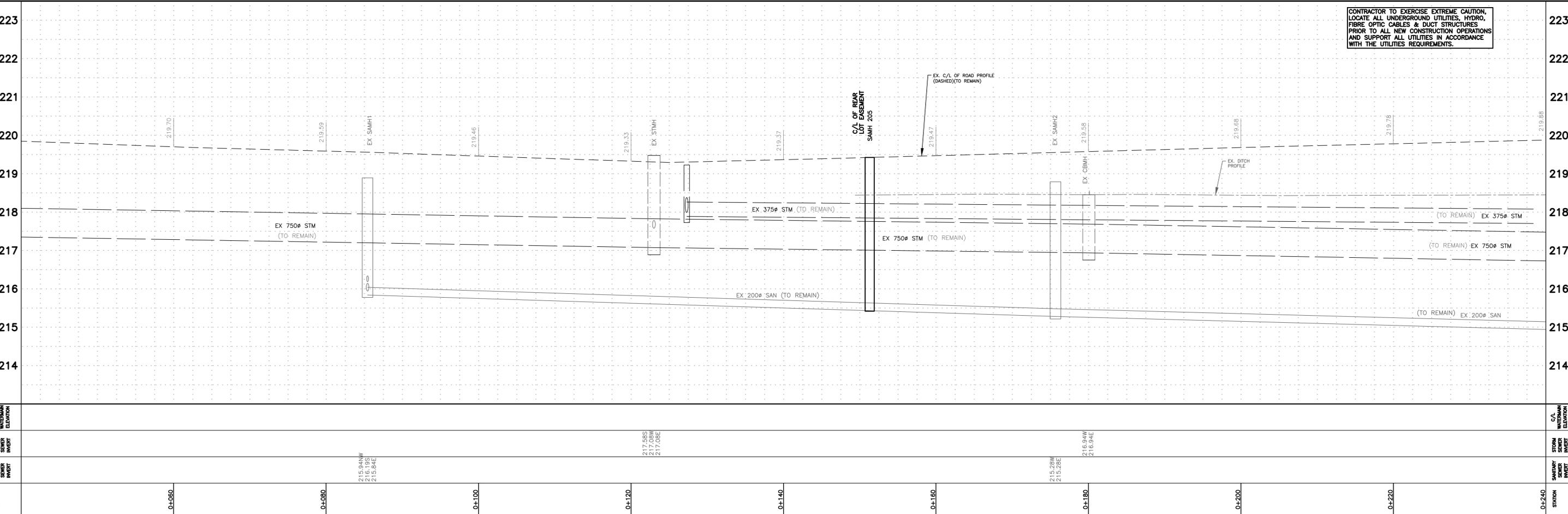
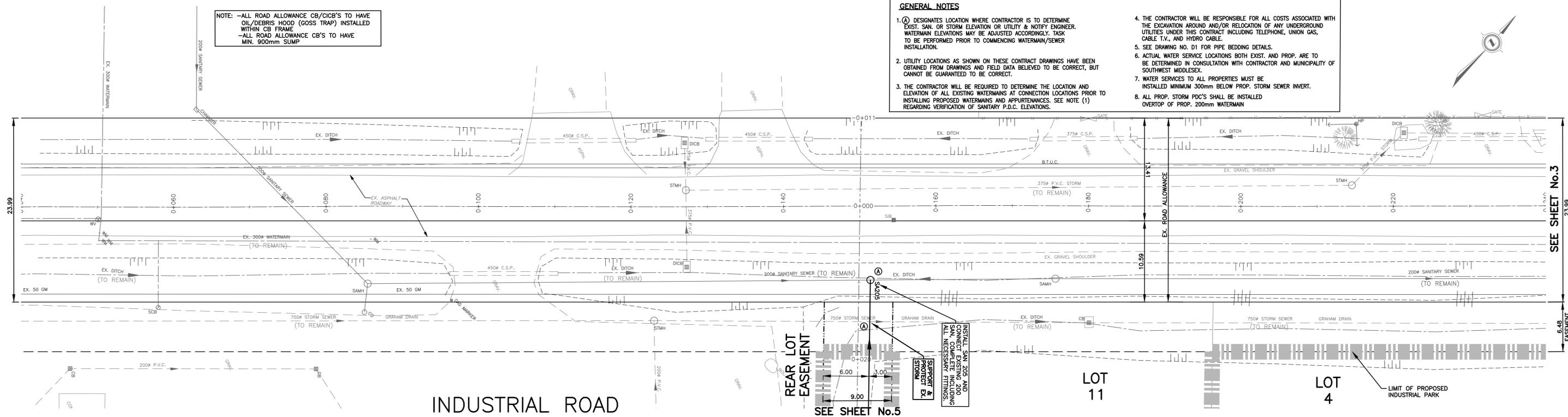
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					DRAWN BY FM				
					CHECKED CSL				
					APPROVED CSL				
					DATE SEPT. 2025				
225147-00									

CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
<b>SPRIET ASSOCIATES</b> LONDON CONSULTING ENGINEERS <small>155 YORK STREET -- LONDON (519) 672-4100 -- N6A 1A8</small>		SCALE HORZ. 1:1000 VERT. 1:50 	<b>GLENCOE INDUSTRIAL PARK 2025</b>  <b>MASTER PLAN OF SERVICES &amp; EROSION CONTROL</b>	<b>225147</b> SHEET No. <b>1</b> PLAN FILE No.

NOTE: -ALL ROAD ALLOWANCE CB/CIB'S TO HAVE OIL/DEBRIS HOOD (GOSS TRAP) INSTALLED WITHIN CB FRAME  
 -ALL ROAD ALLOWANCE CB'S TO HAVE MIN. 900mm SUMP

- GENERAL NOTES**
- ① DESIGNATES LOCATION WHERE CONTRACTOR IS TO DETERMINE EXIST. SAN. OR STORM ELEVATION OR UTILITY & NOTIFY ENGINEER. WATERMAIN ELEVATIONS MAY BE ADJUSTED ACCORDINGLY. TASK TO BE PERFORMED PRIOR TO COMMENCING WATERMAIN/SEWER INSTALLATION.
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  - ALL PROP. STORM PDC'S SHALL BE INSTALLED OVERTOP OF PROP. 200mm WATERMAIN



CONTRACTOR TO EXERCISE EXTREME CAUTION, LOCATE ALL UNDERGROUND UTILITIES, HYDRO, FIBRE OPTIC CABLES & DUCT STRUCTURES PRIOR TO ALL NEW CONSTRUCTION OPERATIONS AND SUPPORT ALL UTILITIES IN ACCORDANCE WITH THE UTILITIES REQUIREMENTS.

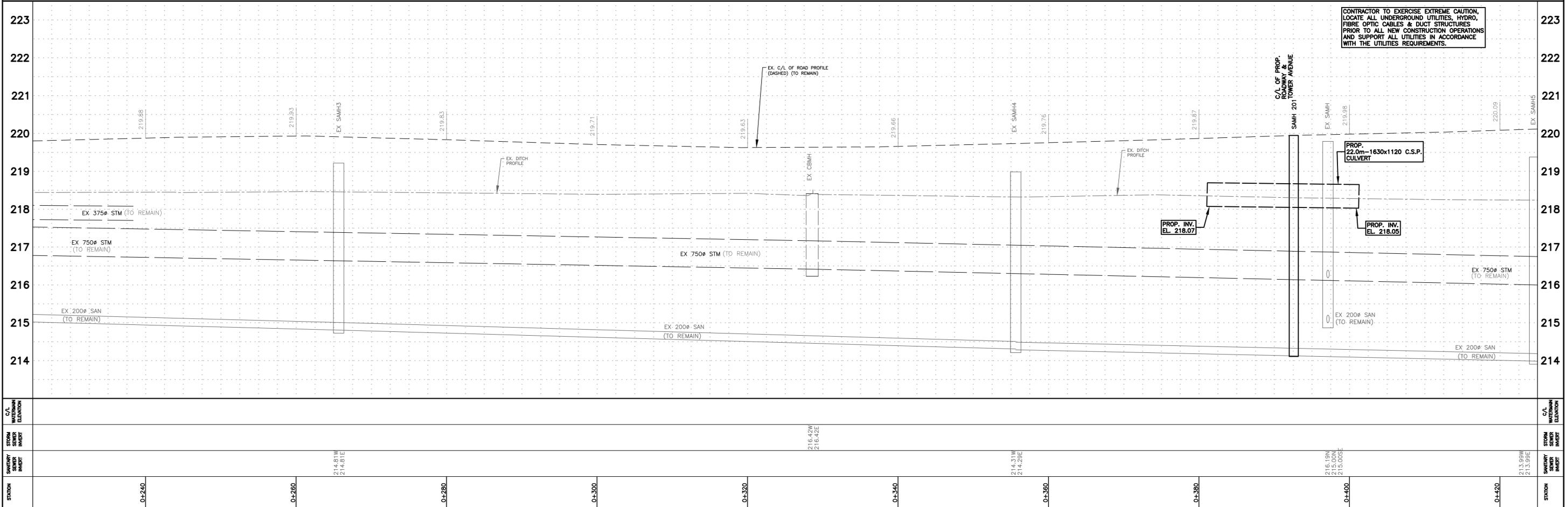
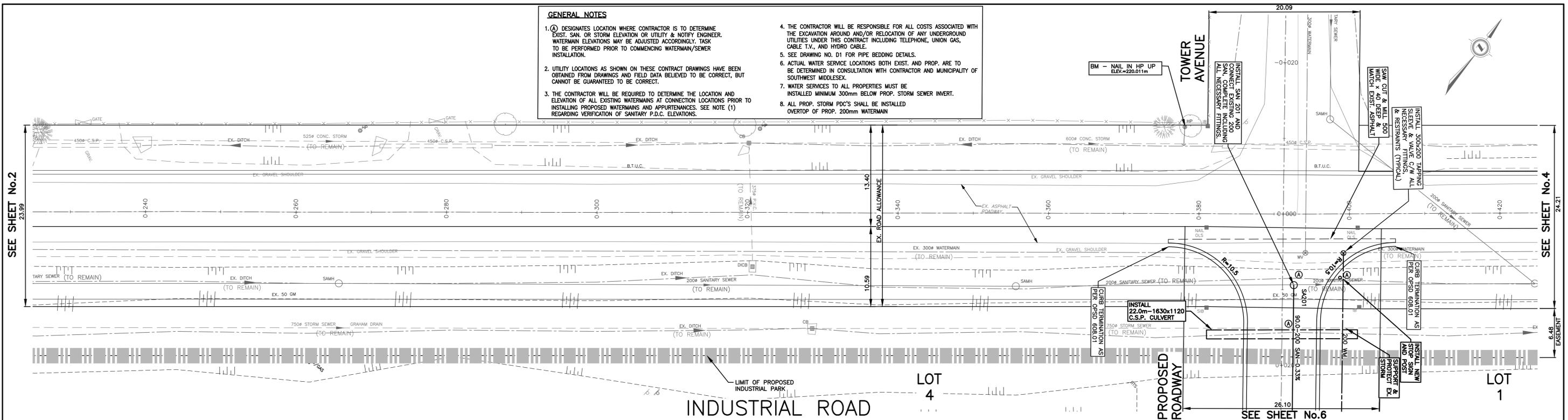
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					CHECKED CS				
					APPROVED CS				
					DATE JULY,2025				
					225147				

CONSULTANT OR DIVISION	ENGINEER'S STAMP	SCALE	TITLE	PROJECT No.
SPRIET ASSOCIATES LIMITED LONDON CONSULTING ENGINEERS 155 YORK STREET -- LONDON (519) 672-4100 -- N6A 1A8		HORZ. 1:250 VERT. 1:50 2.5m 0 5.0m 0.5 0 1m HORIZONTAL VERTICAL	GLENCOE INDUSTRIAL PARK 2025 INDUSTRIAL ROAD FROM 110.0m WEST OF REAR LOT EASEMENT TO STA. 0+240.0 EAST	225147 SHEET No. 2 PLAN FILE No.

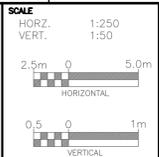
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- ALL PROP. STORM P.D.C.'S SHALL BE INSTALLED OVERTOP OF PROP. 200mm WATERMAIN



STATION	EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
0+240						DESIGN JDA	1.	ISSUED FOR TENDER	FEB.2026	SPRIET
0+260						CHECKED CSL				
0+280						APPROVED CSL				
0+300						DATE JULY,2025				
0+350										
0+340										
0+360										
0+380										
0+400										
0+420										

**SPRIET ASSOCIATES**  
LONDON CONSULTING ENGINEERS LIMITED  
155 YORK STREET -- LONDON (519) 672-4100 -- N6A 1A8

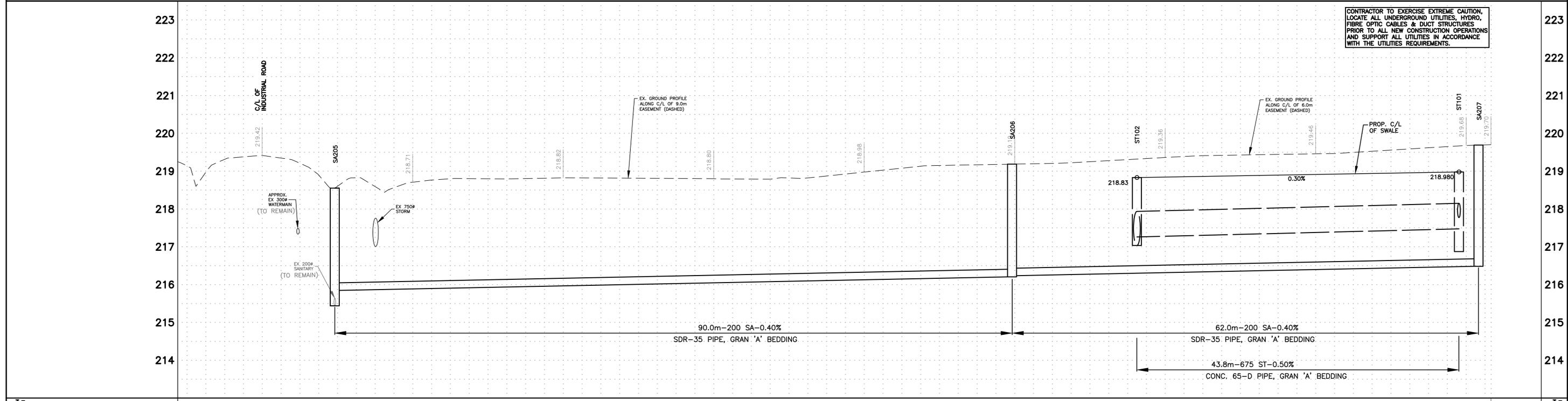
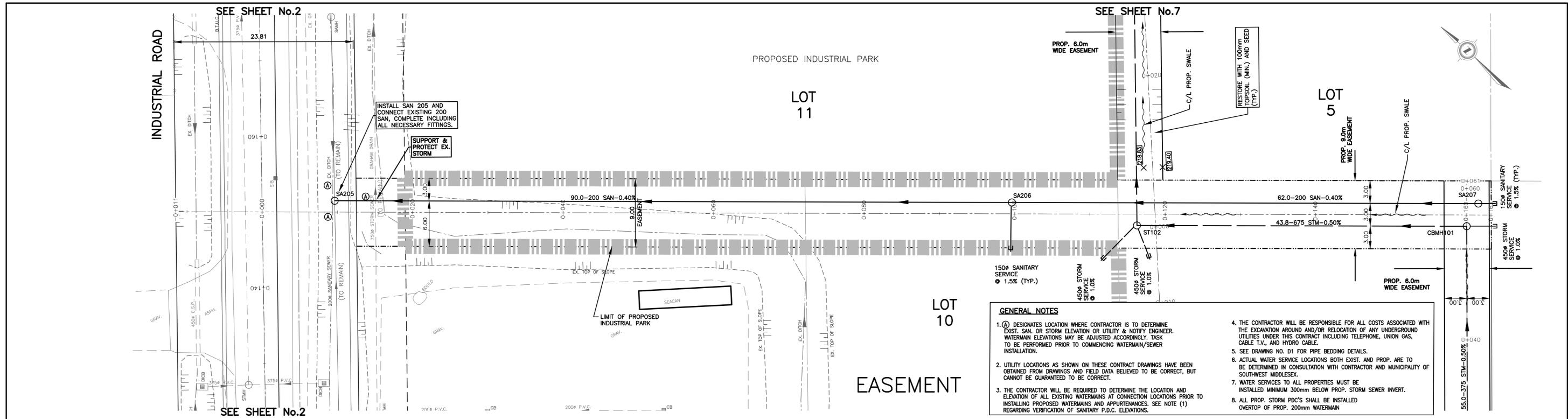


**GLENCOE INDUSTRIAL PARK 2025**  
**INDUSTRIAL ROAD**  
FROM STA. 0+240.0  
TO 32.0m EAST OF TOWER AVENUE

PROJECT No. **225147**  
SHEET No. **3**  
PLAN FILE No.







C/L. ELEVATION	214	215	216	217	218	219	220	221	222	223		
STORM SEWER INVERT												
SANITARY SEWER INVERT												
STATION	0+000	0+009.4	0+015.1	0+020	0+040	0+080	0+105.1	0+120	0+159.1	0+160	0+161.7	0+165.31

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT	
					DESIGN JDA	1.	ISSUED FOR TENDER	FEB.2026	SPRIET	
					CHECKED CSB					
					APPROVED CSB					
					DATE JULY,2025					
					225147					

**SPRIET ASSOCIATES**  
LONDON CONSULTING ENGINEERS LIMITED  
155 YORK STREET -- LONDON (519) 672-4100 -- NEA 148

SCALE  
HORZ. 1:250  
VERT. 1:50

**PROJECT No.**  
225147

**SHEET No.**  
6

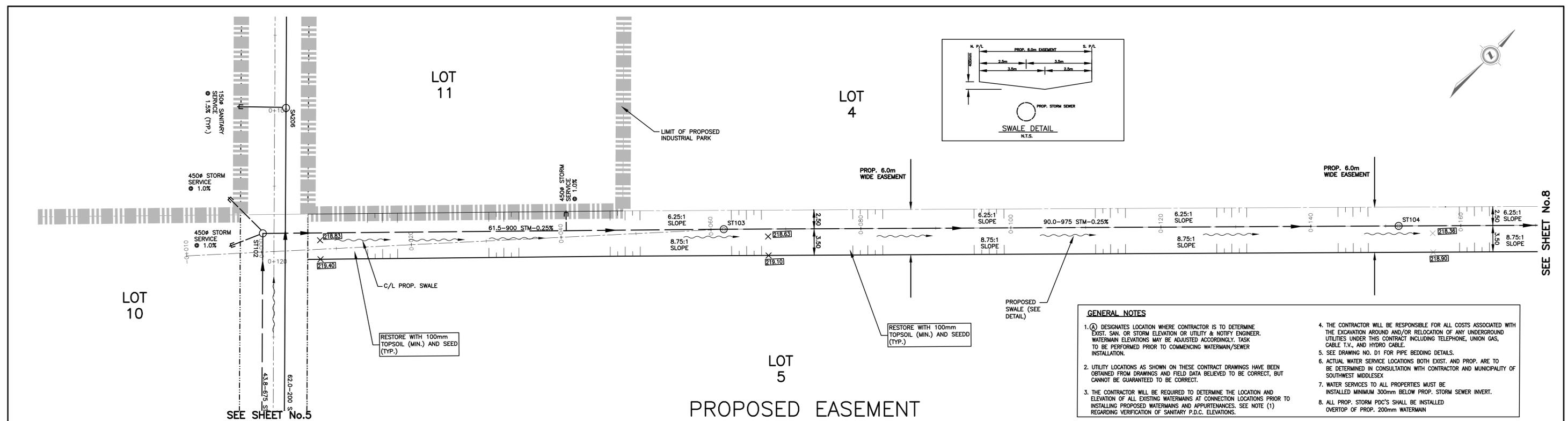
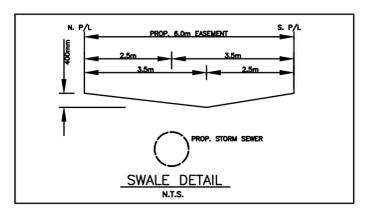
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**GLENCOE INDUSTRIAL PARK 2025**

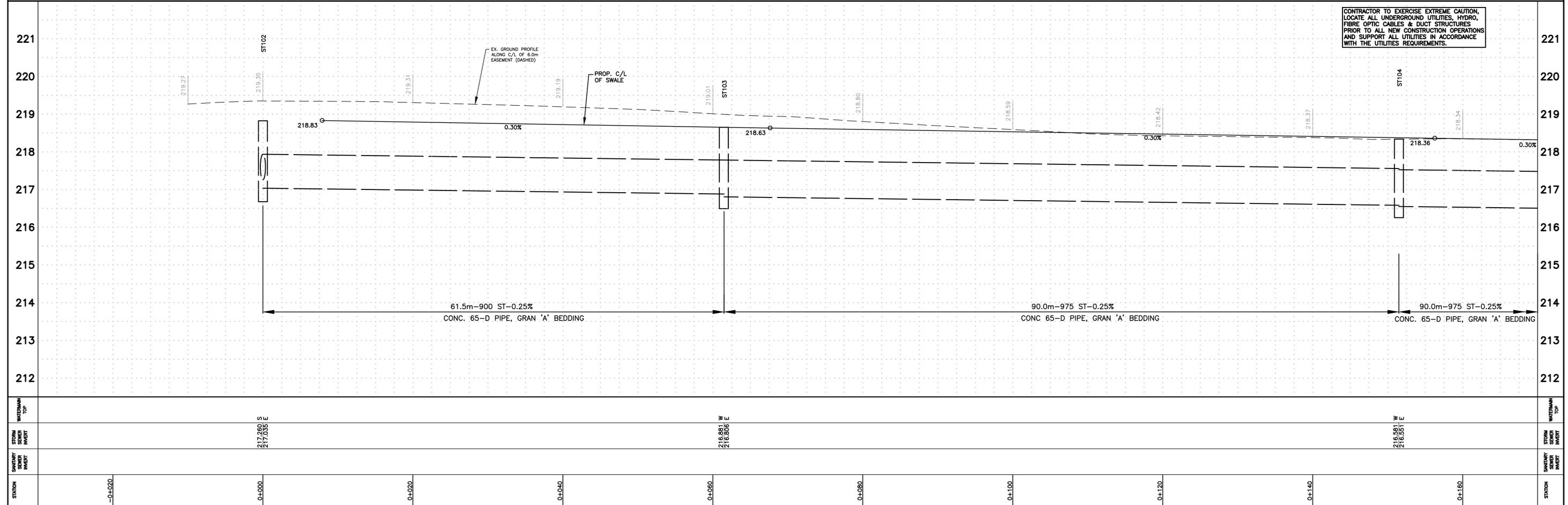
**REAR LOT EASEMENT**

**FROM INDUSTRIAL ROAD**

**TO 163.0m S. OF INDUSTRIAL ROAD**



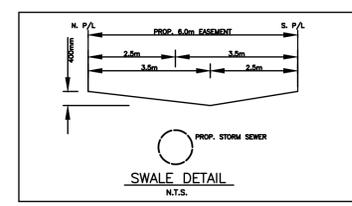
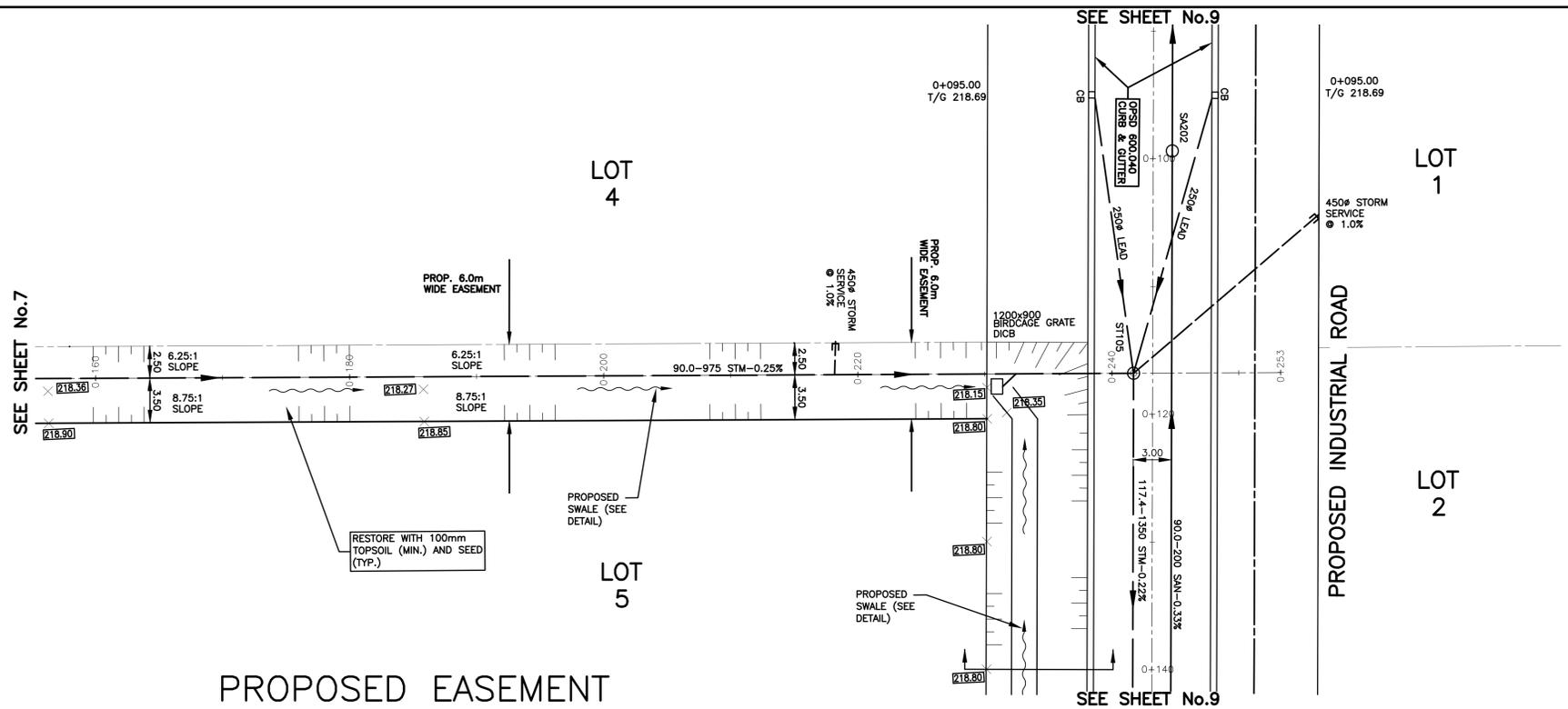
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STATION	EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
0+020						DESIGN JDA	1.	ISSUED FOR TENDER	FEB.2026	SPRIET
0+000						CHECKED CSL				
0+020						APPROVED CSL				
0+040						DATE JULY.2025				
0+060										
0+080										
0+100										
0+120										
0+140										
0+160										
0+170.0										

<p>CONSULTANT OR DIVISION</p> <p><b>SPRIET ASSOCIATES LIMITED</b></p> <p>LONDON CONSULTING ENGINEERS</p> <p>155 YORK STREET -- LONDON (519) 672-4100 -- N/A 148</p>	<p>ENGINEER'S STAMP</p> <p><i>[Signature]</i></p> <p>2/27/26</p>	<p>SCALE</p> <p>HORZ. 1:250</p> <p>VERT. 1:50</p> <p>2.5m 0 5.0m</p> <p>HORIZONTAL</p> <p>0.5 0 1m</p> <p>VERTICAL</p>	<p>TITLE</p> <p><b>GLENCOE INDUSTRIAL PARK 2025</b></p> <p><b>PROPOSED EASEMENT</b></p> <p>FROM STA 0+000 TO STA. 0+170.0</p>	<p>PROJECT No.</p> <p><b>225147</b></p> <p>SHEET No.</p> <p><b>7</b></p> <p>PLAN FILE No.</p>
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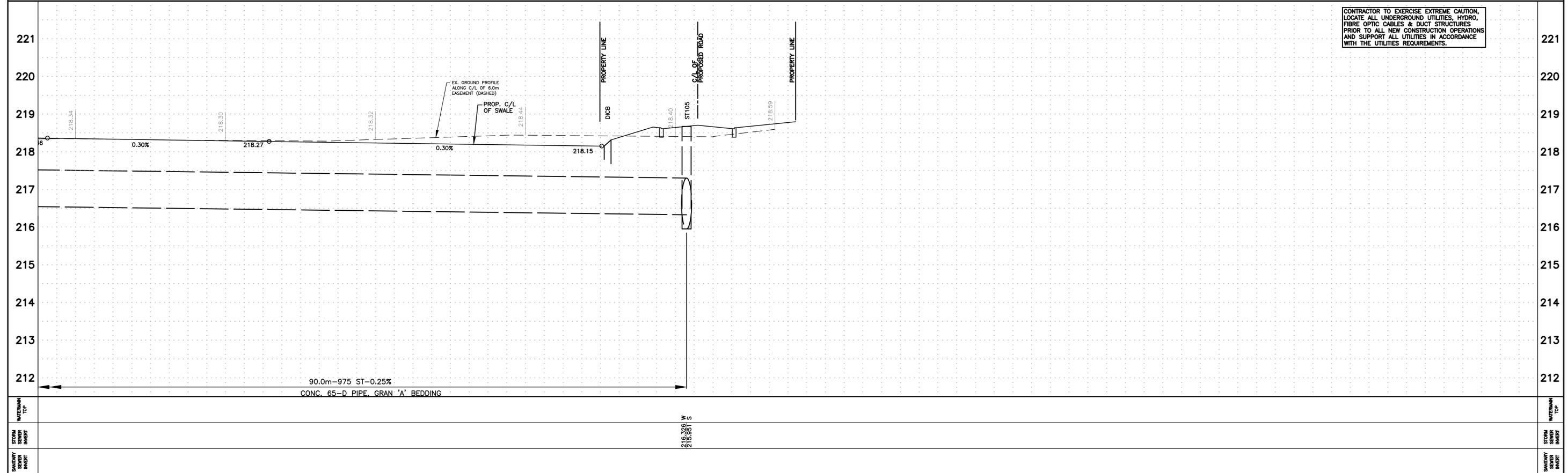
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PROPOSED EASEMENT



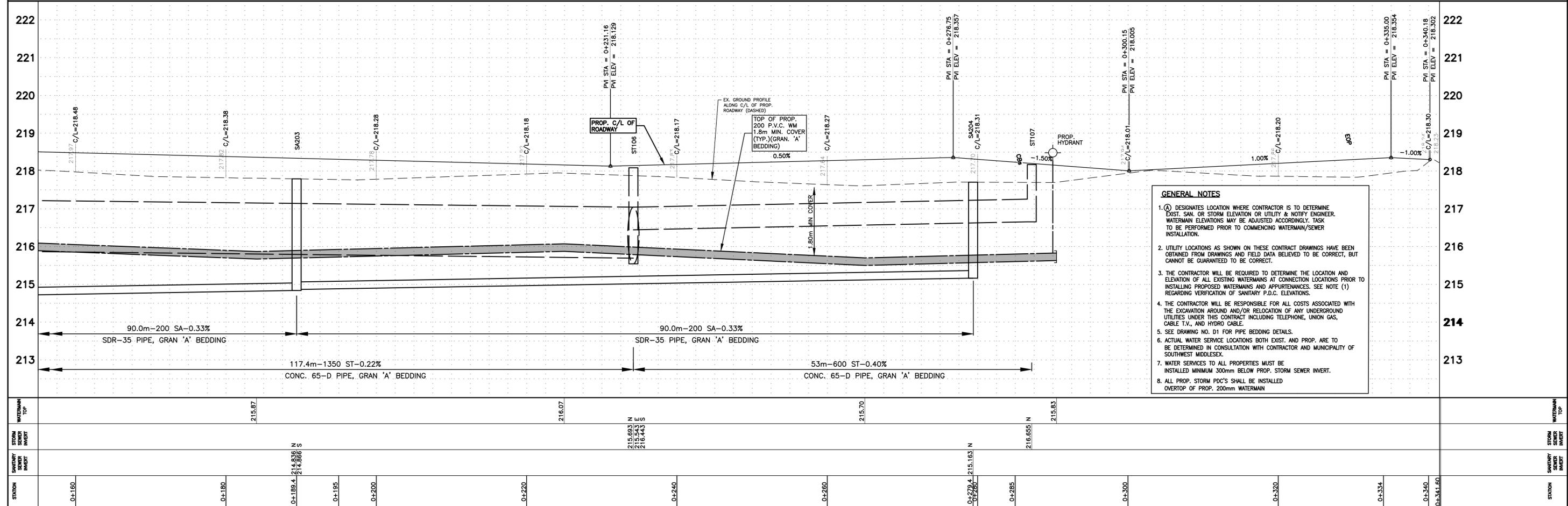
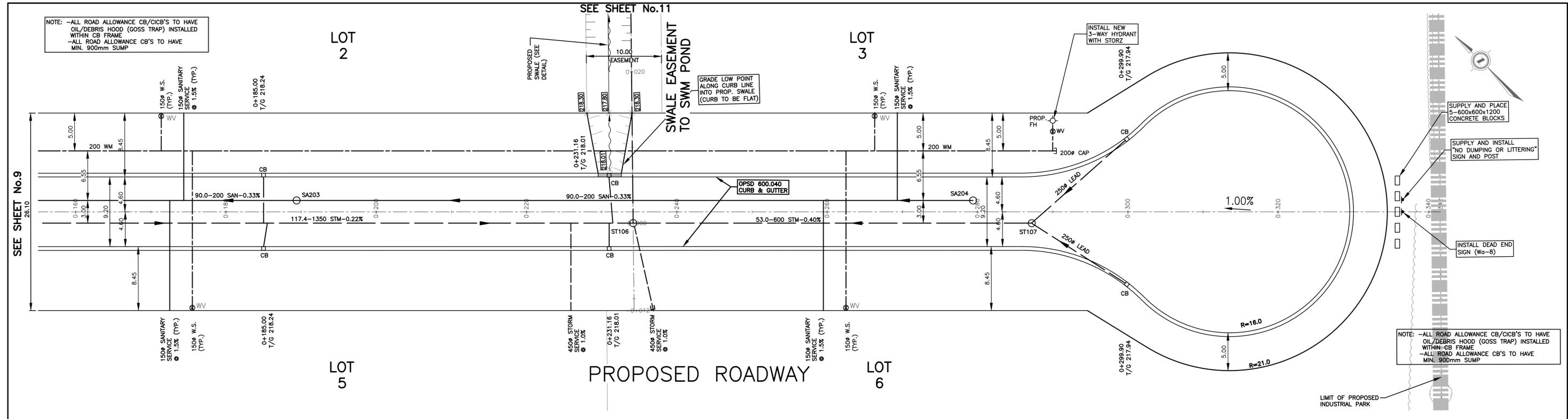
CONTRACTOR TO EXERCISE EXTREME CAUTION, LOCATE ALL UNDERGROUND UTILITIES, HYDRO, FIBRE OPTIC CABLES & DUCT STRUCTURES PRIOR TO ALL NEW CONSTRUCTION OPERATIONS AND SUPPORT ALL UTILITIES IN ACCORDANCE WITH THE UTILITIES REQUIREMENTS.

STATION	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	STATION
WATERMAIN TOP											
STORM SEWER INVERT											
SANITARY SEWER INVERT											
EXISTING SERVICES											
DRAWING #, SOURCE											
DATE											
AS CONSTRUCTED SERVICES											
COMPLETION											
DETAILS											
No.											
REVISIONS											
DATE											
CONSULTANT											
CONSULTANT OR DIVISION											
ENGINEER'S STAMP											
SCALE	HORZ. 1:250 VERT. 1:50 										
TITLE	<b>GLENCOE INDUSTRIAL PARK 2025</b> <b>PROPOSED EASEMENT</b> <b>FROM STA 0+160</b> <b>TO STA. 0+245</b>										
PROJECT No.	225147										
SHEET No.	8										
PLAN FILE No.											

**SPRIET ASSOCIATES**  
LONDON CONSULTING ENGINEERS LIMITED  
155 YORK STREET -- LONDON (519) 672-4100 -- NEA 148







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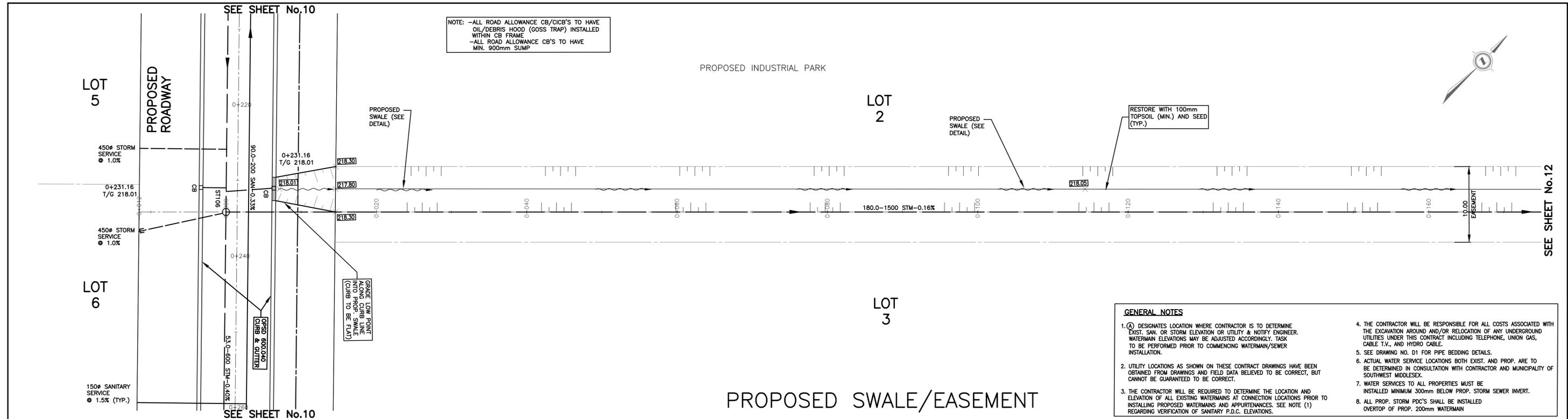
STATION	WATERMAIN TOP	STORM SEWER INVERT	SANITARY SEWER INVERT
0+150			
0+180	215.87		
0+189.4		214.828 S	214.828 S
0+195			
0+200			
0+220	216.07		
0+240		215.693 N	215.693 N
0+260	215.70		
0+278.4		215.163 N	215.163 N
0+285			
0+300		216.655 N	216.655 N
0+320			
0+334			
0+340			
0+341.60			

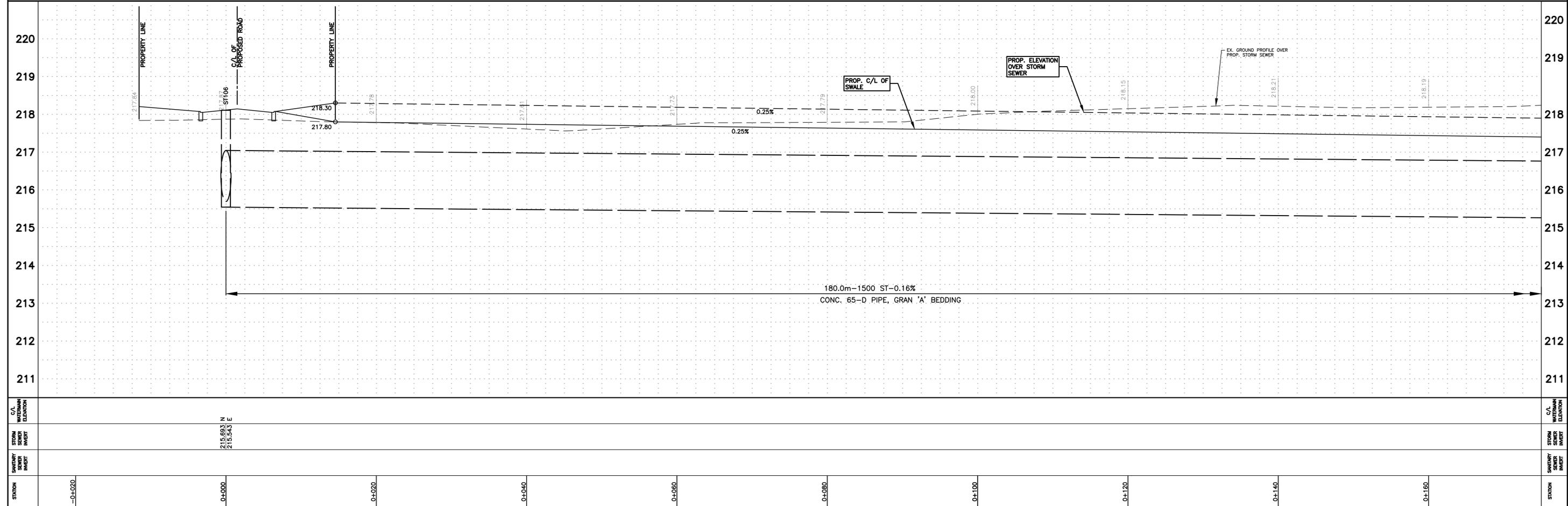
EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
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					DRAWN BY JDA				
					CHECKED CB				
					APPROVED CBL				
					DATE JULY.2025				
					225147				

<p><b>SPRIET ASSOCIATES LIMITED</b> LONDON CONSULTING ENGINEERS 155 YORK STREET -- LONDON (519) 672-4100 -- N5A 1A8</p>	<p>ENGINEER'S STAMP LOGIC R. L. J. J. J. 2/27/26</p>	<p><b>SOUTHWEST MIDDLESEX</b></p>	<p>SCALE HORZ. 1:250 VERT. 1:50</p> <p>2.5m 0 5.0m HORIZONTAL</p> <p>0.5 0 1m VERTICAL</p>	<p>TITLE <b>GLENCOE INDUSTRIAL PARK 2025</b> <b>PROPOSED ROADWAY</b> <b>FROM STA. 0+155.0 TO</b> <b>STA. 0+334.0</b></p>	<p>PROJECT No. <b>225147</b></p> <p>SHEET No. <b>10</b></p> <p>PLAN FILE No.</p>
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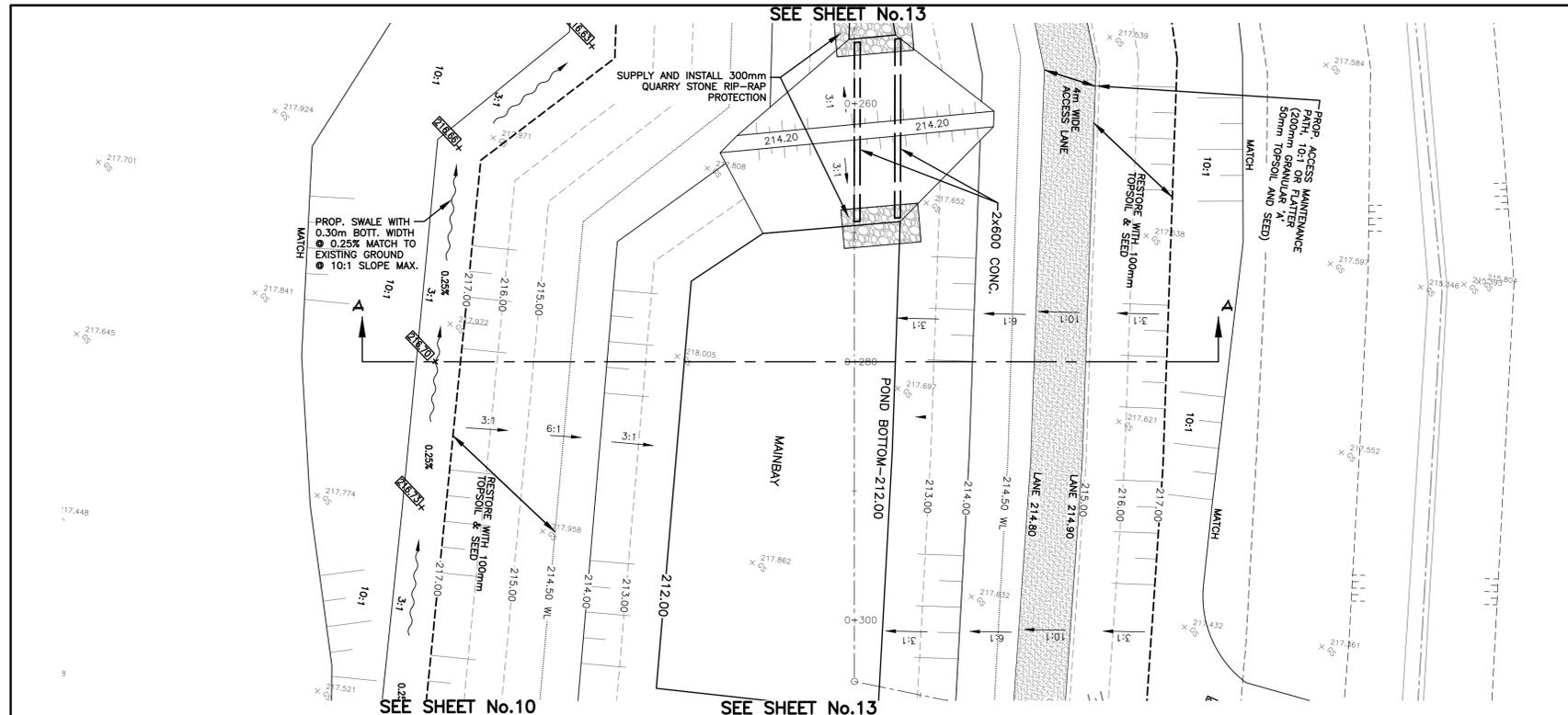
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  2. UTILITY LOCATIONS AS SHOWN ON THESE CONTRACT DRAWINGS HAVE BEEN OBTAINED FROM DRAWINGS AND FIELD DATA BELIEVED TO BE CORRECT, BUT CANNOT BE GUARANTEED TO BE CORRECT.
  3. THE CONTRACTOR WILL BE REQUIRED TO DETERMINE THE LOCATION AND ELEVATION OF ALL EXISTING WATERMANS AT CONNECTION LOCATIONS PRIOR TO INSTALLING PROPOSED WATERMANS AND APERTURANCES. SEE NOTE (1) REGARDING VERIFICATION OF SANITARY P.D.C. ELEVATIONS.
  4. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE EXCAVATION AROUND AND/OR RELOCATION OF ANY UNDERGROUND UTILITIES UNDER THIS CONTRACT INCLUDING TELEPHONE, UNION GAS, CABLE TV, AND HYDRO CABLE.
  5. SEE DRAWING NO. D1 FOR PIPE BEDDING DETAILS.
  6. ACTUAL WATER SERVICE LOCATIONS BOTH EXIST. AND PROP. ARE TO BE DETERMINED IN CONSULTATION WITH CONTRACTOR AND MUNICIPALITY OF SOUTHWEST MIDDLESEX.
  7. WATER SERVICES TO ALL PROPERTIES MUST BE INSTALLED MINIMUM 300mm BELOW PROP. STORM SEWER INVERT.
  8. ALL PROP. STORM PDC'S SHALL BE INSTALLED OVERTOP OF PROP. 200mm WATERMAIN



STATION	0+000	0+040	0+080	0+100	0+120	0+140	0+160	STATION	
C/L. WATERMAIN ELEVATION									
STORM SEWER INVERT	215.693 N 215.643 E								
SANITARY SEWER INVERT									
EXISTING SERVICES									
DRAWING #, SOURCE									
DATE									
AS CONSTRUCTED SERVICES									
COMPLETION									
DETAILS									
No.									
REVISIONS									
DATE									
CONSULTANT									
CONSULTANT OR DIVISION									
ENGINEER'S STAMP									
SCALE	HORZ. 1:250 VERT. 1:50 			TITLE <b>GLENCOE INDUSTRIAL PARK 2025</b> <b>PROPOSED SWALE</b> <b>FROM PROPOSED ROADWAY</b> <b>STA. 0+175.0</b>			PROJECT No. <b>225147</b> SHEET No. <b>11</b> PLAN FILE No.		
DATE	JULY 2025			225147					

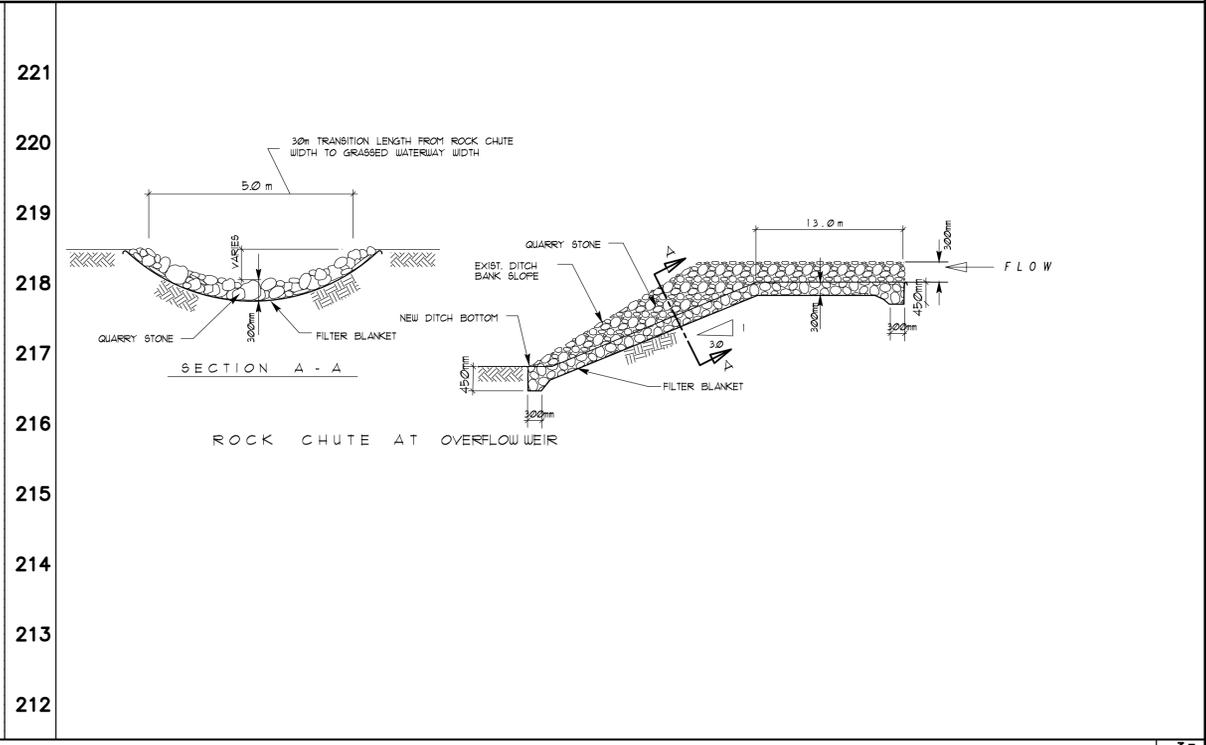
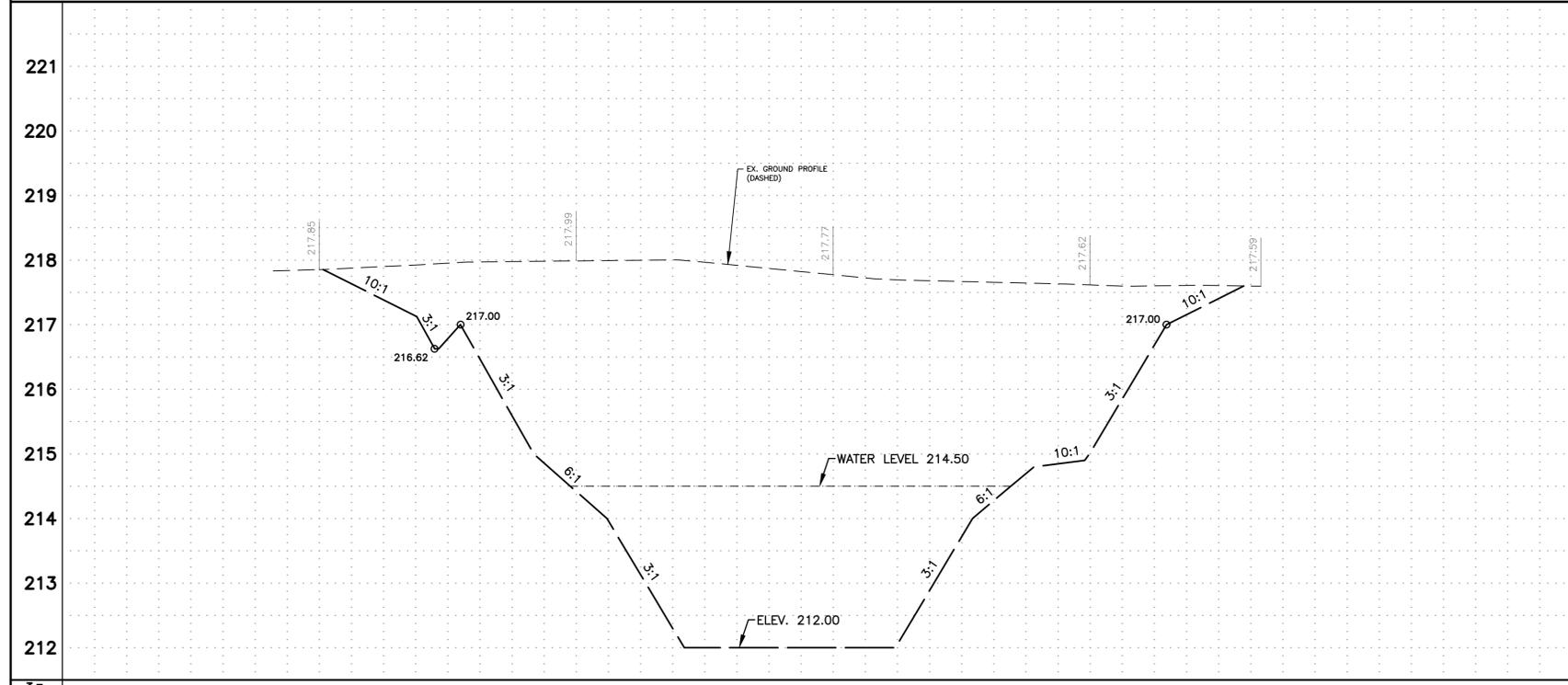






**GENERAL NOTES**

- ① DESIGNATES LOCATION WHERE CONTRACTOR IS TO DETERMINE EXIST. SAN. OR STORM ELEVATION OR UTILITY & NOTIFY ENGINEER. WATERMAIN ELEVATIONS MAY BE ADJUSTED ACCORDINGLY. TASK TO BE PERFORMED PRIOR TO COMMENCING WATERMAIN/SEWER INSTALLATION.
- UTILITY LOCATIONS AS SHOWN ON THESE CONTRACT DRAWINGS HAVE BEEN OBTAINED FROM DRAWINGS AND FIELD DATA BELIEVED TO BE CORRECT, BUT CANNOT BE GUARANTEED TO BE CORRECT.
- THE CONTRACTOR WILL BE REQUIRED TO DETERMINE THE LOCATION AND ELEVATION OF ALL EXISTING WATERMANS AT CONNECTION LOCATIONS PRIOR TO INSTALLING PROPOSED WATERMANS AND AFFURTEANCES. SEE NOTE (1) REGARDING VERIFICATION OF SANITARY P.D.C. ELEVATIONS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE EXCAVATION AROUND AND/OR RELOCATION OF ANY UNDERGROUND UTILITIES UNDER THIS CONTRACT INCLUDING TELEPHONE, UNDER GAS, CABLE TV, AND HYDRO CABLE.
- SEE DRAWING NO. D1 FOR PIPE BEDDING DETAILS.
- ACTUAL WATER SERVICE LOCATIONS BOTH EXIST. AND PROP. ARE TO BE DETERMINED IN CONSULTATION WITH CONTRACTOR AND MUNICIPALITY OF SOUTHWEST MIDDLESEX.
- WATER SERVICES TO ALL PROPERTIES MUST BE INSTALLED MINIMUM 300mm BELOW PROP. STORM SEWER INVERT.
- ALL PROP. STORM PDC'S SHALL BE INSTALLED OVERTOP OF PROP. 200mm WATERMAIN



C/A WATERMAIN ELEVATION		C/A STORM SEWER INVERT		C/A SANITARY SEWER INVERT		STATION	

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
					DESIGN JDA	1.	ISSUED FOR TENDER	FEB.2026	SPRIET
					CHECKED CSL				
					APPROVED CSL				
					DATE JULY,2025				
						225147			

**SPRIET ASSOCIATES**  
LONDON CONSULTING ENGINEERS LIMITED  
155 YORK STREET -- LONDON (519) 672-4100 -- NEA 148

SCALE  
HORZ. 1:250  
VERT. 1:50

TITLE  
**GLENCOE INDUSTRIAL PARK 2025**  
**SWM POND**  
**SECTION A-A AND DETAILS**

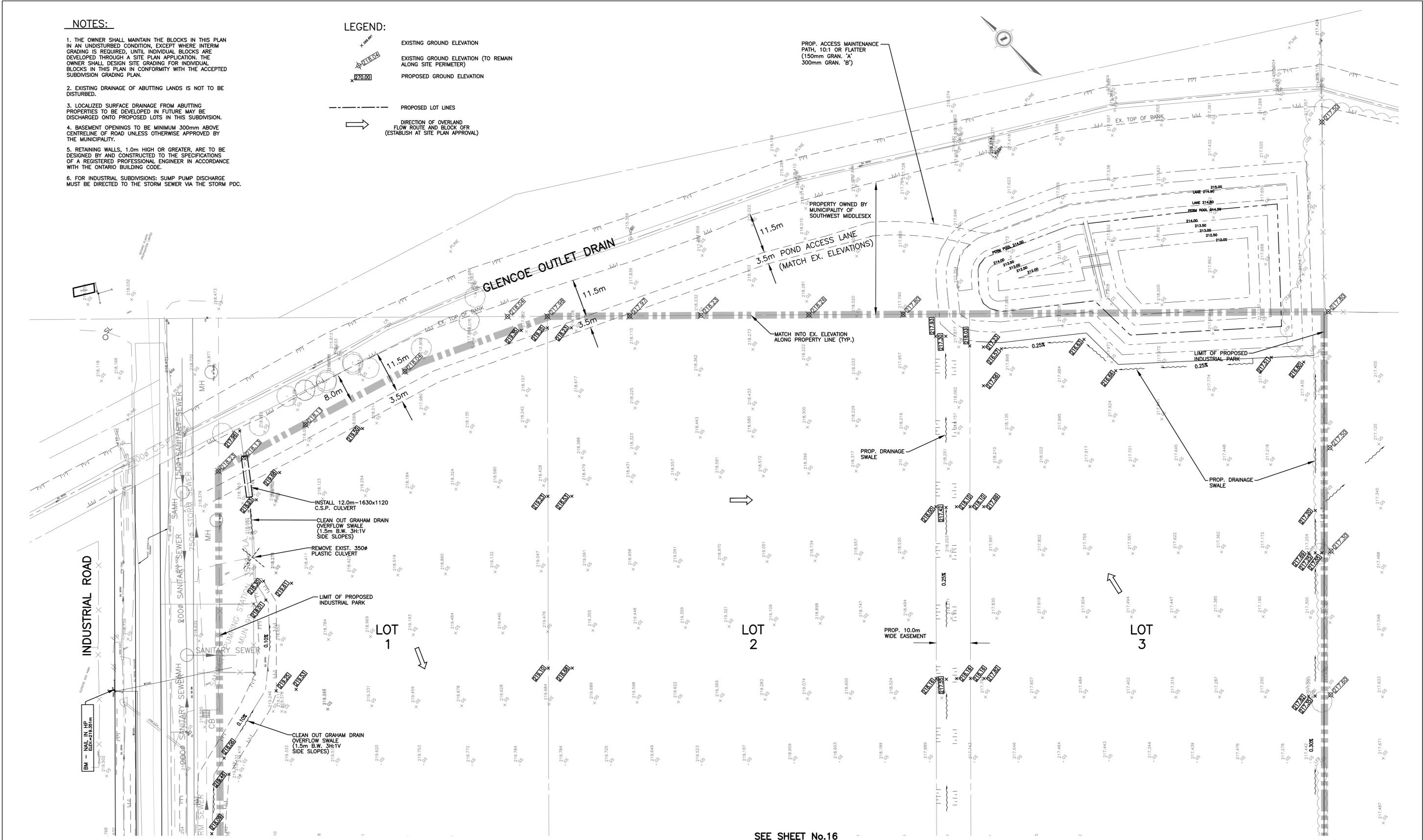
PROJECT No.  
**225147**  
SHEET No.  
**14**  
PLAN FILE No.

**NOTES:**

1. THE OWNER SHALL MAINTAIN THE BLOCKS IN THIS PLAN IN AN UNDISTURBED CONDITION, EXCEPT WHERE INTERIM GRADING IS REQUIRED, UNTIL INDIVIDUAL BLOCKS ARE DEVELOPED THROUGH A SITE PLAN APPLICATION. THE OWNER SHALL DESIGN SITE GRADING FOR INDIVIDUAL BLOCKS IN THIS PLAN IN CONFORMITY WITH THE ACCEPTED SUBDIVISION GRADING PLAN.
2. EXISTING DRAINAGE OF ABUTTING LANDS IS NOT TO BE DISTURBED.
3. LOCALIZED SURFACE DRAINAGE FROM ABUTTING PROPERTIES TO BE DEVELOPED IN FUTURE MAY BE DISCHARGED ONTO PROPOSED LOTS IN THIS SUBDIVISION.
4. BASEMENT OPENINGS TO BE MINIMUM 300mm ABOVE CENTRELINE OF ROAD UNLESS OTHERWISE APPROVED BY THE MUNICIPALITY.
5. RETAINING WALLS, 1.0m HIGH OR GREATER, ARE TO BE DESIGNED BY AND CONSTRUCTED TO THE SPECIFICATIONS OF A REGISTERED PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
6. FOR INDUSTRIAL SUBDIVISIONS: SUMP PUMP DISCHARGE MUST BE DIRECTED TO THE STORM SEWER VIA THE STORM PDC.

**LEGEND:**

- EXISTING GROUND ELEVATION
- EXISTING GROUND ELEVATION (TO REMAIN ALONG SITE PERIMETER)
- PROPOSED GROUND ELEVATION
- PROPOSED LOT LINES
- DIRECTION OF OVERLAND FLOW ROUTE AND BLOCK OFF (ESTABLISH AT SITE PLAN APPROVAL)



SEE SHEET No.16

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION	DETAILS	No.	REVISIONS	DATE	CONSULTANT
					DESIGN CSL	1.	ISSUED FOR TENDER	FEB.2026	SPRIET
					DRAWN BY PM				
					CHECKED CSL				
					APPROVED CSL				
					DATE SEPT. 2025				
						225147-00			

CONSULTANT OR DIVISION

**SPRIET ASSOCIATES**  
LONDON CONSULTING ENGINEERS LIMITED  
155 YORK STREET -- LONDON (519) 672-4100 -- N6A 1A8

ENGINEER'S STAMP

*[Signature]*  
R. E. LITTON  
2/24/26  
REGISTERED PROFESSIONAL ENGINEER

**SOUTHWEST MIDDLESEX**

SCALE

HORZ. 1:500

5.0m 0 10.0m

HORIZONTAL

TITLE

**GLENCOE INDUSTRIAL PARK 2025**

**LOT GRADING PLAN NO.1**

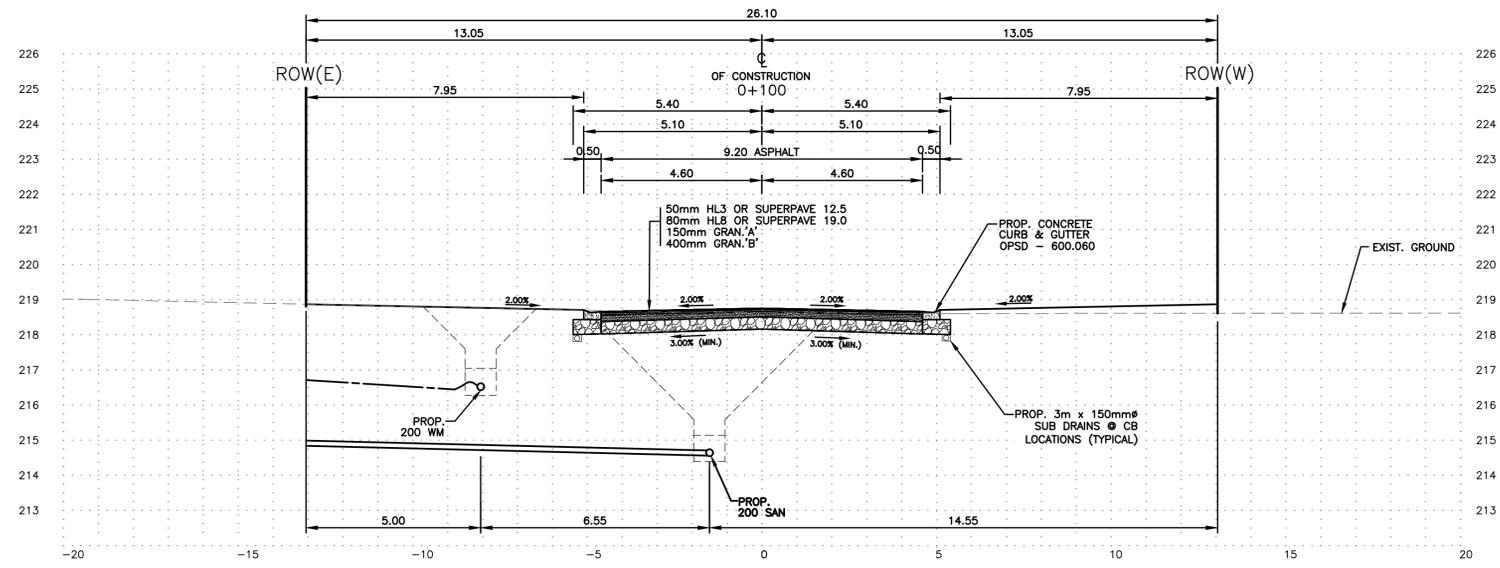
PROJECT No. **225147**

SHEET No. **15**

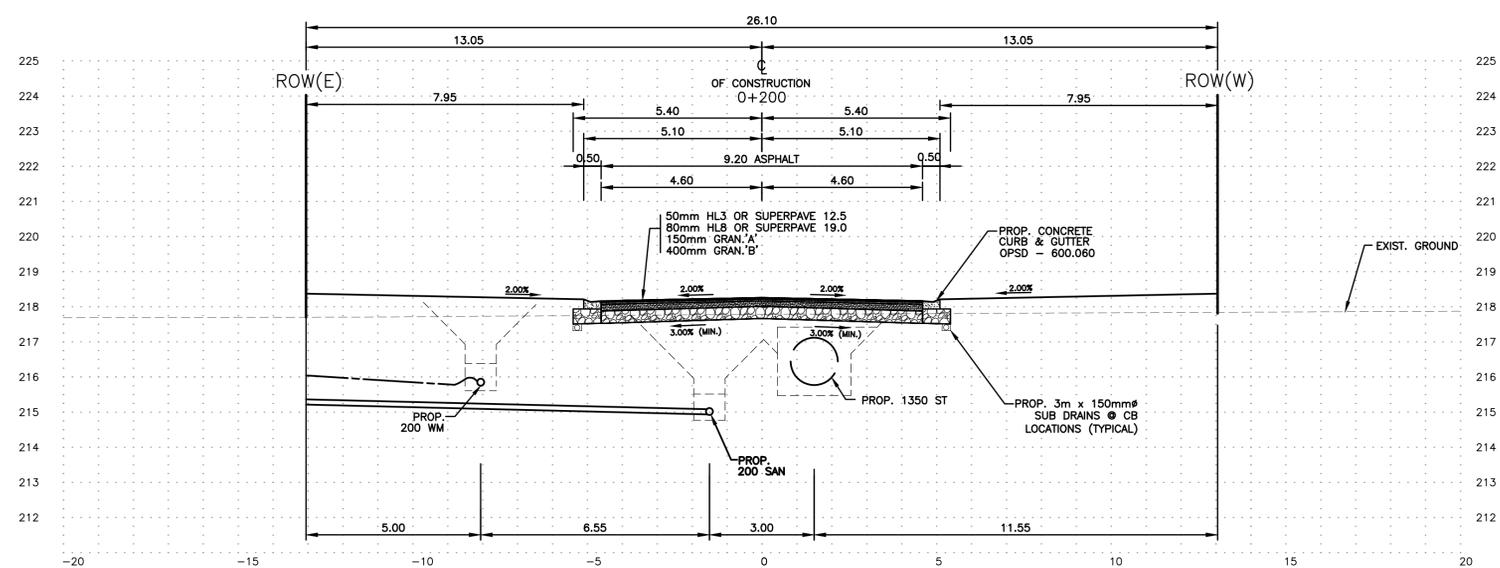
PLAN FILE No.







PROPOSED INDUSTRIAL ROAD  
STA. 0+100



PROPOSED INDUSTRIAL ROAD  
STA. 0+200

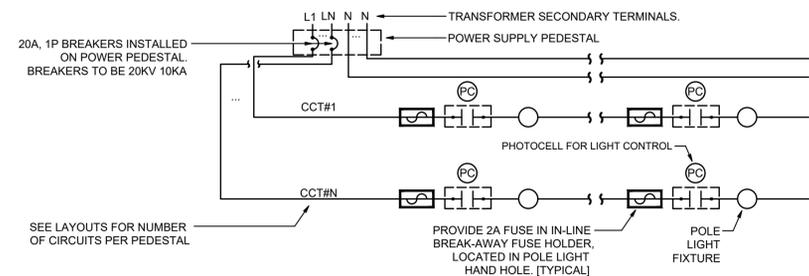
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					DESIGN	CSL	1.	ISSUED FOR TENDER	FEB, 2026	SPRIET		HORZ. 1:100 VERT. 1:100 	<b>GLENCOE INDUSTRIAL PARK</b>  <b>TYPICAL CROSS SECTIONS</b>	<b>225147</b>  <b>18</b> PLAN FILE No.
				DRAWN BY	PM									
				CHECKED	CSL									
				APPROVED	CSL									
				DATE	SEPT, 2025									
					X-SECTIONS									



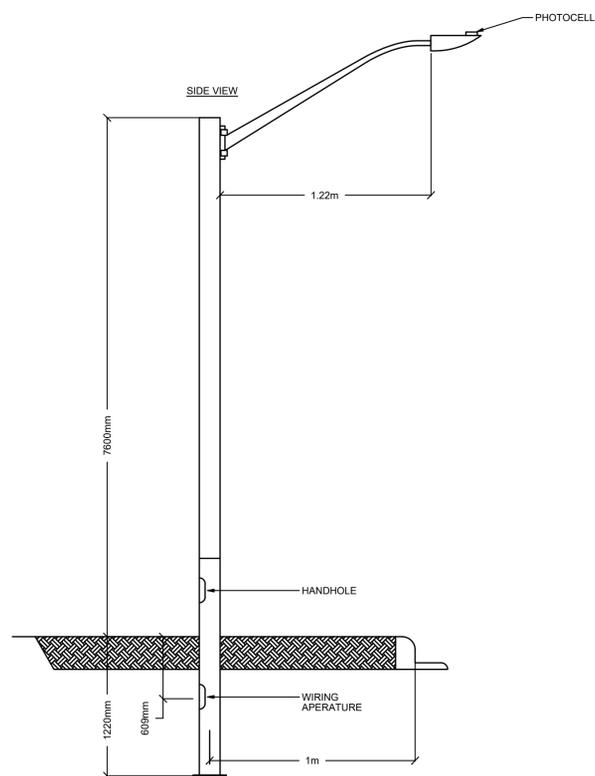


ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	OUTDOOR POLE LIGHT STANDARD
	STREETLIGHT FUSE PEDESTAL
	JUNCTION BOX
	PULL BOX

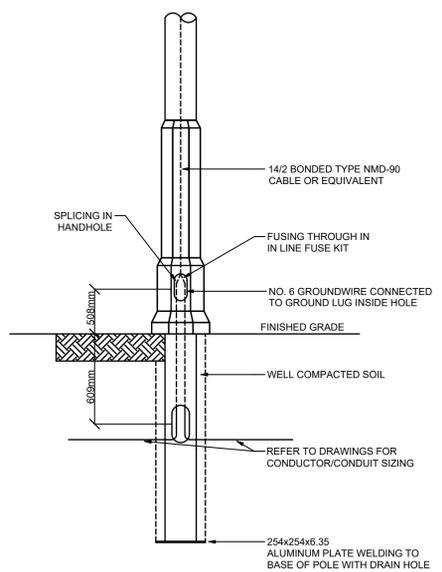
LIGHTING FIXTURE SCHEDULE				
FIXTURE TAG	DESCRIPTION AND MODEL SERIES	INPUT	LIGHT SOURCE	MOUNTING
P1	LED ROADWAY LIGHTING NXT SERIES LED COBRA HEAD STYLE LUMINAIRE, DARK SKY COMPLIANT AND FULL CUTOFF. NXT-24S-525mA-2ES-4000K POLE SPECIFICATION: (ALUMINOUS) RTADB-28 CW POLE TOP CAP. ELLIPTICAL TAPERED ARM: (ALUMINOUS) ALS-RE4M	120V 41W	LED 4076L 4000K TYPE 2ES DISTRIBUTION	ARM MOUNTED 1.22m ARM ON 7.6m POLE.
<b>NOTES:</b> • PROVIDE ALL NECESSARY MOUNTING HARDWARE FOR A COMPLETE INSTALLATION.				



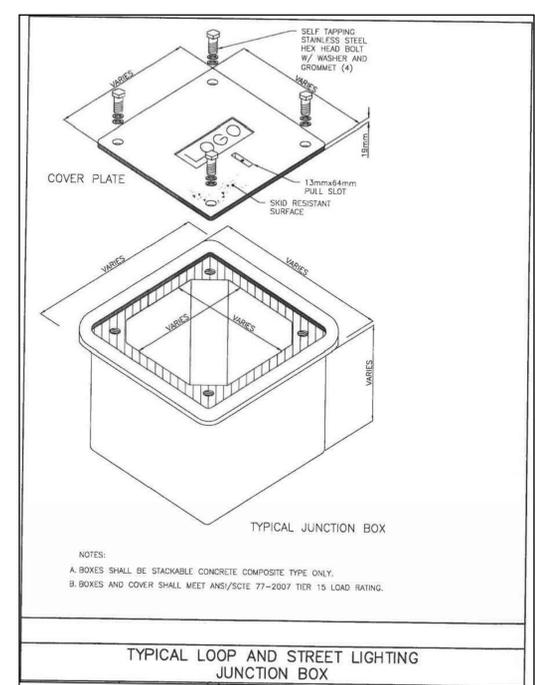
POLE LIGHTING CONNECTION DETAIL  
SCALE: N.T.S.



LIGHT POLE DETAIL  
SCALE: N.T.S.



LIGHT POLE WIRING DETAIL  
SCALE: N.T.S.



STREET LIGHTING JUNCTION BOX DETAIL  
SCALE: N.T.S.

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.
  - ON MULTI-PHASE FEEDERS AND PANELS, ADJUST THE PHASE LOADING SO AS NOT TO EXCEED A PHASE IMBALANCE OF 10% LINE TO LINE, UNDER NORMAL OPERATING CONDITIONS OF THE FEEDER OR PANEL.
  - SUBMIT SHOP DRAWINGS IN ELECTRONIC PDF FORMAT FOR THE FOLLOWING EQUIPMENT: BREAKERS, LIGHTING, 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 GEOMATICS ENG. RECORD DRAWINGS 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 RECORD DRAWING MARK-UPS TO AUTOCAD AND SUBMIT AUTOCAD AND PDF FILES TO THE CONSULTANT FOR REVIEW. SUBMIT FINAL CAD FILES OF THE RECORD DRAWINGS ON CD/USB KEY. NO FINAL INSPECTION WILL BE PERFORMED UNTIL THESE DRAWINGS ARE SUBMITTED.
  - 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
    - 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 AND RACEWAYS

- USE RWU90 ALUMINUM CONDUCTORS UNLESS OTHERWISE NOTED. CSA APPROVED FOR THE APPLICATION. SIZE THE CONDUCTORS SO THAT THE MAXIMUM BRANCH CIRCUIT VOLTAGE DROP DOES NOT EXCEED 3%. MINIMUM CONDUCTOR SIZE IS #6 AWG UNLESS OTHERWISE INDICATED.
- INSTALL CONDUCTORS OR CABLES IN PVC RACEWAY WHERE INDICATED
- MINIMUM RACEWAY SIZE FOR EXTERIOR U/G BURIED APPLICATION IS 50MM. MINIMUM BURIES DEPTH IS 900MM BELOW FINISHED GRADE.
- ALL CONDUIT AND WIRING IS TO BE CONCEALED IN ALL FINISHED TRADE.

SERVICE AND DISTRIBUTION

- CONSULT WITH HYDRO REGARDING ELECTRICAL SERVICES FOR THE PROPOSED STREET LIGHTING. INCLUDE ALL COSTS LEVIED BY THE SUPPLY AUTHORITY TO PROVIDE ELECTRICAL SERVICES, IN THE CONTRACT PRICE.
- HYDRO WILL PROVIDE PRIMARY TRANSFORMATION TO A 120/240 VAC, 1 PHASE, 3 WIRE SERVICE, PAD MOUNT TRANSFORMER.
- PROVIDE AND INSTALL THE SECONDARY CONDUCTORS FROM THE TRANSFORMER SECONDARY CONNECTIONS TO THE MAIN SERVICE CIRCUIT BREAKER FOR EACH LOCATION INDICATED.
- PROVIDE AND INSTALL COMPLETE SECONDARY DISTRIBUTION SYSTEM AS DETAILED ON THE DRAWINGS.
- ACCEPTABLE MANUFACTURERS FOR DISTRIBUTION EQUIPMENT INCLUDE: EATON-CUTTLER HAMMER, SCHNEIDER CANADA, AND SIEMENS.
- PROVIDE CIRCUIT BREAKER PANELS OF THE TYPE, WITH AMPERE CAPACITY, NUMBER OF POLES, BRANCH BREAKER CAPACITY, ETC., AS INDICATED. MOUNTING TO BE AS INDICATED.
- ALL BRANCH BREAKERS SHALL BE THERMAL-MAGNETIC TRIP INDICATED. AMBIENT TEMPERATURE COMPENSATED AND BOLTED TO THE BUS BAR.

LIGHTING

- PROVIDE FIXTURES AND POLES COMPLETE WITH ALL ACCESSORIES MOUNTING HARDWARE, AND LAMPS AS SPECIFIED IN THE FIXTURE SCHEDULE OR AS APPROVED BY OWNERS AND CONSULTANT AS AN EQUAL FIXTURE.
- PRODUCTS OF EQUAL QUALITY BY ALTERNATE MANUFACTURERS SUCH AS SIGNIFY, LITHONIA, COOPER, LIGHTOLIER, HUBBELL, ETC. ARE ALSO ACCEPTABLE.
- EXTERIOR LIGHTING TO BE CONTROLLED:
  - PROVIDE PHOTOCELL CONTROL FOR EACH LIGHT FIXTURE.

**Callidus Engineering**  
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 KITCHENER: 210-137 Glasgow Street,  
 Kitchener, ON N2G 4X8 P 519.472.7640  
 W www.callidus.ca E info@callidus.ca

**KEYPLAN**

**REVISIONS**

NO.	ISSUED FOR	DATE
00	REVIEW	26.02.10
01	TENDER	26.02.23

**NORTH**

**LICENSED PROFESSIONAL ENGINEER**  
 S. P. O'BRYNE  
 100578073  
 2026-02-23  
 PROVINCE OF ONTARIO

DESIGN	AHS	DRAWN	AHS
CHECKED	SPO	REVIEWED	SPO

**PROJECT**  
 GLENCOE INDUSTRIAL PARK  
 STREET LIGHTING, TOWER  
 AVENUE EXTENSION

**ADDRESS**  
 TOWER AVENUE,  
 GLENCOE, ON

**PROJECT NO.**  
 CE- 6255

**DRAWING TITLE**  
 LEGEND, SCHEDULE,  
 AND DETAILS

**DRAWING NUMBER**  
 E1 OF 2

**DRAWING NOTES (INDICATED WITH HEXAGONS):**

- COORDINATE HYDRO INTERCONNECTION LOCATION WITH HYDRO ONE. DESIGN BASED ON UNMETERED U/G EXTENSION OF EXISTING OVERHEAD 120V STREETLIGHTING CIRCUIT. COORDINATE WITH AND PROCESS ALL APPROVALS NECESSARY WITH HYDRO ONE AND MUNICIPALITY. PROVIDE CONDUIT DOWN EXISTING POLE TO PS AND ROAD CROSSINGS TO NEW ROAD STREETLIGHTING EXTENSION AS NOTED. COORDINATE WITH MUNICIPALITY AND PROVIDE AS REQUIRED TO COMPLETE U/G CROSSING OF EXISTING ROAD.

**GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):**

- INSTALLATION SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS:
  - OBC, OESC
  - RP-8-25
- CONFIRM ALL FIELD CONDITIONS AND ALL DIMENSIONS ON SITE. REPORT ANY INCONSISTENCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
- THE OWNER AND THE CONSULTANT. DO NOT GUARANTEE THE ACCURACY OF THE UTILITIES SHOWN ON THE DRAWINGS. OTHER UTILITIES MAY BE PRESENT OR THE UTILITIES SHOWN MAY DIFFER IN SIZE OR LOCATION FROM THOSE SHOWN. THE CONTRACTOR SHALL NOTE THAT SERVICES FROM THE MAIN LINES ARE NOT SHOWN. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES AND TO REPAIR ANY DAMAGE IT MAY CAUSE TO THESE UTILITIES OR TO OTHER THIRD PARTIES. THE CONTRACTOR AGREES TO IDENIFY THE OWNER AND CALLIDUS ENGINEERING AGAINST ANY CLAIMS WHICH MAY ARISE FROM THE CONTRACTOR'S ACTIONS.
- COORDINATE ENTIRE INSTALLATION WITH THE MUNICIPALITY AND LOCAL HYDRO UTILITY. EXACT LOCATIONS OF ALL HYDRO EQUIPMENT TO BE DETERMINED BY HYDRO. PROVIDE ALL ELECTRICAL DEVICES, MOUNTING HARDWARE, ACCESSORIES, AND INTERCONNECTIONS FOR A COMPLETE AND OPERATIONAL STREET LIGHTING SYSTEM. TYPICAL FOR ALL.
- ALL EMPTY DUCTS MUST HAVE PULL STRINGS INSTALLED AND TIED SECURELY AT BOTH ENDS.
- CONTRACTOR MUST CONFIRM POLES, HANDHOLES AND DUCT ROUTING LAYOUT WITH CONTRACT ADMINISTRATOR AND THE PRINCE EDWARD COUNTY REPRESENTATIVE IN ADVANCE OF ANY ELECTRICAL WORK TAKING PLACE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MUNICIPALITY ENGINEERING STANDARDS AND DEVELOPMENT DOCUMENT OR EQUIVALENT MUNICIPAL STANDARD IN EFFECT.
- ALL STREET LIGHT POLES TO BE INSTALLED SO THAT THE ACCESS COVER OF THE POLE IS POSITIONED SO THAT THE CONTRACTOR CAN REMOVE THE COVER AND VIEW THE ONCOMING NEAR SIDE TRAFFIC. TYPICAL OF ALL LIGHT FIXTURES.
- ALL WIRING RUNS IN DUCT SHALL INCLUDE #6 AWG INSULATED GROUND WIRE, UNLESS OTHERWISE NOTED.
- NO UNDERGROUND SPLICES WILL BE ALLOWED. ALL CONNECTIONS SHALL BE MADE IN POLE HANDHOLES.
- THIS PLAN SHALL BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING PLANS FOR THIS SITE.
- PROVIDE FOR REPAIR OF EXISTING DRIVEWAYS, SIDEWALKS, OR ROADS DAMAGED BY INSTALLATION.



**PHOTOMETRIC LIGHTING PLAN**  
SCALE: 1:750

RP-8-25 TABLE 11.1: DESIGN CRITERIA FOR STREETS, BICYCLE LANES, AND SHARED STREETS (LUMINANCE)

STREET CLASSIFICATION	AVERAGE LUMINANCE Lavg (cd/m²)	UNIFORMITY Lavg/Lmin	UNIFORMITY Lmax/Lmin	VEILING LUMINANCE RATIO Lmax/Lavg
LOCAL ROAD WITH LOW PEDESTRIAN AREA	0.3	6.0	10.0	0.4:1
PURPOSED ROADWAY LUMINANCE - NORTH SIDE	0.83	1.60	2.35	0.18:1
PURPOSED ROADWAY LUMINANCE - SOUTH SIDE	0.35	1.67	2.48	0.30:1

RP-8-25 TABLE 11.3: DESIGN CRITERIA FOR CUL-DE-SACS (ILLUMINANCE)

STREET CLASSIFICATION	PAVEMENT CLASSIFICATION			UNIFORMITY Eavg/Emin
	R1 (fc)	R2 & R3 (fc)	R4 (fc)	
LOCAL ROAD WITH LOW PEDESTRIAN AREA	0.3	0.4	0.4	6.0
PURPOSED CUL-DE-SAC	0.7			3.5

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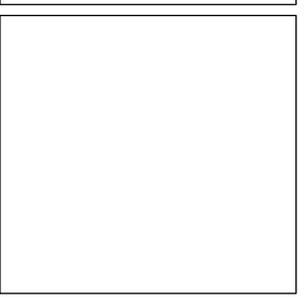
LONDON: 1385 North Routledge Park, Unit 9  
London, ON N6H 5N5 P 519.472.7640

KINGSTON: 4 Cataragui Street, Suite 100,  
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KITCHENER: 210-137 Glasgow Street,  
Kitchener, ON N2G 4X8 P 519.472.7640

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

**KEYPLAN**



**REVISIONS**

NO.	ISSUED FOR	DATE
00	REVIEW	26.02.10
01	TENDER	26.02.23

**NORTH**

**LICENSED PROFESSIONAL ENGINEER**  
S. P. O'BRYNE  
100578073  
2026-02-23  
PROVINCE OF ONTARIO

DESIGN	AHS	DRAWN	AHS
CHECKED	SPO	REVIEWED	SPO

**PROJECT**  
GLENCOE INDUSTRIAL PARK  
STREET LIGHTING, TOWER  
AVENUE EXTENSION

**ADDRESS**  
TOWER AVENUE,  
GLENCOE, ON

**PROJECT NO.**  
CE- 6255

**DRAWING TITLE**  
STREET LIGHTING AND RP-8-25  
REFERENCE TABLES

**DRAWING NUMBER**  
E2 OF 2