PROPOSED 9-STOREY MULTI-USE BUILDING 1509 MERIVALE ROAD, OTTAWA, ON.

REVISION 03



KEY PLAN (N.T.S.)

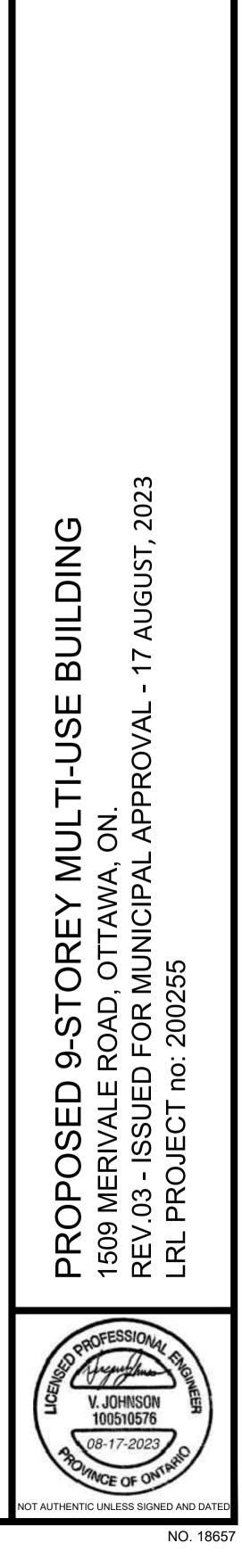
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07-12-21-0233

GENERAL NOTES

- 1. ALL WORKS MATERIALS SHALL CONFIRM TO THE LAST REVISION OF THE STANDARDS AND SPECIFICATIONS FOR THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), WHERE APPLICABLE. LOCAL UTILITY STANDARDS AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
- 2. THE CONTRACTORS SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE SITE AND ADJACENT WORK AREAS. THE CONTRACTORS SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
- 3. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION, ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTORS TO CONFIRM UTILITY LOCATIONS AND NOTIFY ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT CONTRACTORS EXPENSE.
- 4. ANY AREA BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE RELOCATING OF EXISTING SERVICES AND/OR UTILITIES SHALL BE AS SHOWN ON THE DRAWINGS OR DETECTED BY THE ENGINEER AT THE EXPENSE OF DEVELOPERS
- 5. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 'OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS'. THE GENERAL CONTRACTORS SHALL BE DEEMED TO BE THE 'CONTRACTOR' AS DEFINED IN THE ACT. 6. ALL THE CONSTRUCTION SIGNAGE MUST CONFIRM TO THE MINISTRY OF TRANSPORTATION OF ONTARIO MANUAL OF UNIFORM TRAFFIC
- CONTROL DEVICES PER LATEST AMENDMENT 7. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THE CONTRACT. THE CONTRACTOR
- SHALL COORDINATE CONSTRUCTION ACTIVITIES TO PREVENT CONFLICTS. 8. ALL DIMENSIONS ARE IN METRES UNLESS SPECIFIED OTHERWISE.
- 9. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL IS RECEIVED FROM THE ENGINEER.
- 10. ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT. 11. FOR DETAILS RELATING TO STORMWATER MANAGEMENT AND ROOF DRAINAGE REFER TO THE SITE SERVICING AND STORMWATER
- MANAGEMENT REPORT 12. ALL SEWERS CONSTRUCTED WITH GRADES LESS THAN 1.0% SHALL BE INSTALLED USING LASER ALIGNMENT AND CHECKED WITH LEVEL
- INSTRUMENT PRIOR TO BACKELLING
- 13. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND TO BEAR THE COST OF THE SAME. 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL BEDDING, OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH AS SPECIFIED BY OPSD IS EXCEEDED
- 15. ALL PIPE/CULVERT SECTION SIZES REFER TO INSIDE DIMENSIONS.
- 16. SHOULD DEEPLY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATELY. 17. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND
- THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING/REMOVAL.
- 18. DRAWINGS SHALL BE READ ON CONJUNCTION WITH ARCHITECTURAL SITE PLAN. 19. THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER ON SET OF AS CONSTRUCTED SITE SERVICING AND GRADING DRAWINGS. 20.BENCHMARKS: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE SITE BENCHMARK(S) HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION DEPICTED ON THIS PLAN.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL

THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

THE CONTRACTOR ACKNOWLEDGES THAT SURFACE EROSION AND SEDIMENT RUNOFF RESULTING FROM THEIR CONSTRUCTION OPERATIONS HAS POTENTIAL TO CAUSE A DETRIMENTAL IMPACT TO ANY DOWNSTREAM WATERCOURSE OR SEWER, AND THAT ALL CONSTRUCTION OPERATIONS THAT MAY IMPACT UPON WATER QUALITY SHALL BE CARRIED OUT IN MANNER THAT STRICTLY MEETS THE REQUIREMENT OF ALL APPLICABLE LEGISLATION AND REGULATIONS.

AS SUCH, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARRYING OUT THEIR OPERATIONS, AND SUPPLYING AND INSTALLING ANY APPROPRIATE CONTROL MEASURES, SO AS TO PREVENT SEDIMENT LADEN RUNOFF ENTERING ANY SEWER OR WATERCOURSE WITHIN OR DOWNSTREAM OF THE WORKING AREA.

THE CONTRACTOR ACKNOWLEDGES THAT NO ONE MEASURE IS LIKELY TO BE 100% EFFECTIVELY FOR EROSION PROTECTION AND CONTROLLING SEDIMENT RUNOFF AND DISCHARGES FROM THE SITE. THEREFORE, WHERE NECESSARY THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES ARRANGED IN SUCH MANNER AS TO MITIGATE SEDIMENT RELEASE FROM THE CONSTRUCTION OPERATIONS AND ACHIEVE SPECIFIC MAXIMUM PERMITTED CRITERIA WHERE APPLICABLE. SUGGESTED ON-SITE MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO THE FOLLOWING METHODS: SEDIMENT PONDS FILTER BAGS PUMP FILTERS SETTLING TANKS SILT FENCE STRAW BALES FILTER CLOTHS, CATCH BASIN FILTERS, CHECK DAMS AND/OR OTHER RECOGNIZED TECHNOLOGIES AND METHOD AVAILABLE AT THE TIME OF CONSTRUCTION. SPECIFIC MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF OPSS 577 WHERE APPROPRIATE, OR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

WHERE, IN THE OPINION OF THE CONTRACT ADMINISTRATOR OR REGULATORY AGENCY, THE INSTALLED CONTROL MEASURES FAIL TO PERFORM ADEQUATELY, THE CONTRACTOR SHALL SUPPLY AND INSTALL ADDITIONAL OR ALTERNATIVE MEASURES AS DIRECTED BY THE CONTRACT ADMINISTRATOR OR REGULATORY AGENCY, AS SUCH, THE CONTRACTOR SHALL HAVE ADDITIONAL CONTROL MATERIALS ON SITE AT ALL TIME WHICH ARE EASILY ACCESSIBLE AND MAY BE IMPLEMENTED BY HIM AT THE MOMENT'S NOTICE.

RIOR TO COMMENCING WORK THE CONTRACTOR SHALL. SUBMIT TO THE CONTRACT ADMINISTRATOR SIX COPIES OF A DETAILED EROSION AND SEDIMENT CONTROL PLAN (ESCP). THE ESCP WILL CONSIST OF WRITTEN DESCRIPTION AND DETAILED DRAWINGS INDICATING THE ON-SITE ACTIVITIES AND MEASURES TO BE USED TO CONTROL EROSION AND SEDIMENT MOVEMENT FOR EACH STEP OF THE WORK.

CONTRACTOR'S RESPONSIBILITIES

THE CONTRACTOR SHALL ENSURE THAT ALL WORKERS, INCLUDING SUB-CONTRACTOR, IN THE WORKING ARE ARE AWARE OF THE IMPORTANCE OF THE EROSION AND SEDIMENT CONTROL MEASURES AND INFORMED OF THE CONSEQUENCES OF THE FAILURE TO COMPLY WITH THE REQUIREMENTS OF ALL REGULATORY AGENCIES.

THE CONTRACTOR SHALL PERIODICALLY, AND WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENT DEPOSITS AS REQUIRED AT THE SEDIMENT CONTROL DEVICES, INCLUDING THOSE DEPOSITS THAT MAY ORIGINATE FROM OUTSIDE THE CONSTRUCTION AREA. ACCUMULATED SEDIMENT SHALL BE REMOVED IN SUCH A MANNER THAT PREVENTS THE DEPOSITION OF THIS MATERIAL INTO THE SEWER WATERCOURSE AND AVOIDS DAMAGE TO CONTROL MEASURES. THE SEDIMENT SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE AND MANAGED IN COMPLIANCE WITH REQUIREMENTS FRO EXCESS EARTH MATERIAL, AS SPECIFIED ELSEWHERE IN THE CONTRACT.

THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE CONTRACT ADMINISTRATOR ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO EITHER THE WATERCOURSE OR THE STORM SEWER SYSTEM. FAILURE TO REPORT WILL BE CONSTITUTE A BRACH OF THIS SPECIFICATION AND THE CONTRACTOR MAY ALSO BE SUBJECT TO THE PENALTIES IMPOSED BY THE APPLICABLE REGULATORY AGENCY. APPROPRIATE RESPONSE MEASURES. INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.

THE SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED WHEN, IN THE OPINION OF THE CONTRACT ADMINISTRATOR, THE MEASURE OR MEASURES, IS NO LONGER REQUIRED. NO CONTROL MEASURE MAY BE PERMANENTLY REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR, ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS THE ENTRY OF ANY EQUIPMENT, OTHER THAN HAND-HELD EQUIPMENT, INTO ANY WATERCOURSE, AND PREVENTS THE RELEASE OF ANY SEDIMENT OR DEBRIS INTO ANY SEWER OR WATERCOURSE WITHIN OR DOWNSTREAM OF THE WORKING AREA. ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE WORKING AREA AT THE CONTRACTOR'S EXPENSE AND MANAGED IN COMPLIANCE WITH THE REQUIREMENTS FOR EXCESS EARTH MATERIAL

WHERE, IN THE OPINION OF EITHER THE CONTRACT ADMINISTRATOR OR A REGULATORY AGENCY, ANY OF THE TERMS SPECIFIED HEREIN HAVE NOT BEEN COMPLIED WITH OR PERFORMED IN A SUITABLE MANNER, OR TAT ALL, THE CONTRACTOR ADMINISTRATOR OR A REGULATORY AGENCY HAS THE RIGHT TO IMMEDIATELY WITHDRAW ITS PERMISSION TO CONTINUE THE WORK BUT MAY RENEW ITS PERMISSION UPON BEING SATISFIED THAT THE DEFAULTS OR DEFICIENCIES IN THE PERFORMANCE OF THIS SPECIFICATION BY THE CONTRACTOR HAVE BEEN REMEDIED.

SPILL CONTROL NOTES

- 1. ALL CONSTRUCTION EQUIPMENT SHALL BE RE-FUELED, MAINTAINED, AND STORED NO LESS THAN 30 METRES FROM WATERCOURSE, STEAMS, CREEKS, WOODLOTS, AND ANY ENVIRONMENTALLY SENSITIVE AREAS, OR AS OTHERWISE SPECIFIED.
- 2. THE CONTRACTOR MUST IMPLEMENT ALL NECESSARY MEASURES IN ORDER TO PREVENT LEAKS, DISCHARGES OR SPILLS OF POLLUTANTS, DELETERIOUS MATERIALS, OR OTHER SUCH MATERIALS OR SUBSTANCES WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT
- 3. IN THE EVENT OF A LEAK, DISCHARGE OR SPILL OF POLLUTANT, DELETERIOUS MATERIAL OR OTHER SUCH MATERIAL OR SUBSTANCE WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT. THE CONTRACTOR SHALL:
- 3.1. IMMEDIATELY NOTIFY APPROPRIATE FEDERAL, PROVINCIAL, AND LOCAL GOVERNMENT MINISTRIES, DEPARTMENTS, AGENCIES, AND AUTHORITIES OF THE INCIDENT IN ACCORDANCE WITH ALL CURRENT LAWS, LEGISLATION, ACTS, BY-LAWS, PERMITS, APPROVALS,
- 3.2. TAKE IMMEDIATE MEASURES TO CONTAIN THE MATERIAL OR SUBSTANCE, AND TO TAKE SUCH MEASURES TO MITIGATE AGAINST ADVERSE IMPACTS TO THE NATURAL ENVIRONMENT 3.3. RESTORE THE AFFECTED AREA TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITIES HAVING

MUD MAT NOTES

JURISDICTION

1. THE GRANULAR MATERIAL WILL REQUIRE PERIODIC REPLACEMENT AS IT BECOMES CONTAMINATED BY VEHICLE TRAFFIC.

- 2. SEDIMENT SHALL BE CLEANED FROM PUBLIC ROADS AT THE END OF EACH DAY.
- 3. SEDIMENT SHALL BE REMOVED FROM PUBLIC ROADS BY SHOVELING OR SWEEPING AND DISPOSED OR PROPERLY IN A CONTROLLED SEDIMENT DISPOSAL AREA.

SITE GRADING NOTES

- EROSION CONTROL PLAN
- RECOMMENDATIONS
- OF CONSTRUCTION.
- AND OPSS 310

- REQUIRED BY THE MUNICIPALITY.
- 11. REFER TO ARCHITECTURAL SITE PLAN FOR DIMENSIONS AND SITE DETAILS.
- STANDARDS

ROADWORK SPECIFICATIONS

- STOCK PILLED ON SITE AS DIRECTED BY NATIONAL MUNICIPALITY.
 - 17. THE SUBGRADE SHALL BE CROWNED AND SLOPED AT LEAST 2% AND PROOF ROLLED WITH HEAVY ROLLERS. 18. SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'A', TYPE II COMPACTED IN MAXIMUM 300MM LIFTS.

SANITARY, FOUNDATION DRAIN, STORM SEWER AND WATERMAIN NOTES

GENERAL

- 1. LASER ALIGNMENT CONTROL TO BE UTILIZED ON ALL SEWER INSTALLATIONS.
- AND AT 60M INTERVALS IN THE SERVICE TRENCHES.
- PROCTOR DENSITY. A MINIMUM OF 300MM AROUND STRUCTURES.
- ADJUSTING UNITS ON THE OUTSIDE ONLY.
- 6. SAFETY PLATFORMS SHALL BE PER OPSD 404.02. 7. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH OPSD 1003.01, IF APPLICABLE. 8. THE CONTRACTOR IS TO PROVIDE CCTV CAMERA INSPECTIONS OF ALL SEWERS, INCLUDING PICTORIAL REPORT, ONE (1) CD COPY AND TWO (2)
- SATISFACTION OF THE ENGINEER
- THE CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF WEAR COURSE ASPHALT.

SANITARY

- STANDARD DRAWINGS (OPSD). AND SPECIFICATIONS (OPSS).
- AMENDMENT, UNLESS SPECIFIED OTHERWISE 12. EXISTING MAINTENANCE STRUCTURES TO BE RE-BENCHED WHERE A NEW CONNECTION IS MADE.
- OTHERWISE. 14. SANITARY MAINTENANCE STRUCTURE FRAME AND COVERS SHALL BE PER CITY OF OTTAWA STD. S24 AND S25.
- 15. SANITARY MAINTENANCE STRUCTURES SHALL BE BENCHED PER OPSD 701.021. DRAWING SSP-1.

<u>STORM</u>

- GASKETS AS PER CSA A257.3, OR LATEST AMENDMENT.
- SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
- 19. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED. 20. CATCH BASIN SHALL BE IN ACCORDANCE WITH OPSD 705.010.
- 21. CATCH BASIN LEADS SHALL BE IN 200MM DIA. AT 1% SLOPE (MIN) UNLESS SPECIFIED OTHERWISE.
- 22. ALL CATCH BASINS SHALL HAVE 600MM SUMPS, UNLESS SPECIFIED OTHERWISE.
- 23. ALL CATCH BASIN LEAD INVERTS TO BE 1.5M BELOW FINISHED GRADE UNLESS SPECIFIED OTHERWISE.
- MADE NECESSARY BY THE WIDENED TRENCH. 25. ALL ROAD AND PARKING LOT CATCH BASINS TO BE INSTALLED WITH ORTHOGONALLY PLACED SUBDRAINS IN ACCORDANCE WITH DETAIL.
- APPI ICABI E
- 27. RIP-RAP TREATMENT SEWER AND CULVERT OUTLETS PER OPSD 810.010. 28. ALL STORM SEWER/ CULVERTS TO BE INSTALLED WITH FROST TREATMENT PER OPSD 803.031 WHERE APPLICABLE.

WATERMAIN

WATERMAIN.

THE SEWER.

BACK FROM STUB.

2.4M.

- DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS)
- 31. ALL PVC WATERMAINS SHALL BE AWWA C-900 CLASS 150, SDR 18 OR APPROVED EQUIVALENT.
- 32. ALL WATER SERVICES LESS THAN OR EQUAL TO 50MM IN DIAMETER TO BE TYPE 'K' COPPER.
- AND COVER MATERIAL SHALL BE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER. OTTAWA STD. W.36.
- 36. VALVE BOXES SHALL BE INSTALLED PER CITY OF OTTAWA STD W24.

49. ALL WATERMAIN STUBS SHALL BE TERMINATED WITH A PLUG AND 50MM BLOW OFF UNLESS OTHERWISE NOTED.

47. ALL WATERMAINS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES UNLESS OTHERWISE DIRECTED. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED. 48. ALL WATERMAINS SHALL BE BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES. ALL CHLORINATED WATER TO BE DISCHARGED AND PRETREATED TO ACCEPTABLE LEVELS PRIOR TO DISCHARGE. ALL DISCHARGED WATER MUST BE

45. FIRE HYDRANT INSTALLATION AS PER STD DWG W19, ALL BOTTOM OF HYDRANT FLANGE ELEVATIONS TO BE INSTALLED 0.10M ABOVE PROPOSED FINISHED GRADE AT HYDRANT; FIRE HYDRANT LOCATION AS PER STD DWG W18. 46. BUILDING SERVICE TO BE CAPPED 1.0M OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED AND MUST BE RESTRAINED A MINIMUM OF 12M

43. ALL WATERMAINS SHALL HAVE A MINIMUM COVER OR 2.4M, OTHERWISE THERMAL INSULATION IS REQUIRED AS PER STD DWG W22. 44. GENERAL WATER PLANT TO UTILITY CLEARANCE AS PER STD DWG R20.

42. THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER/UTILITY IS 0.5M PER MOE GUIDELINES. FOR CROSSING UNDER SEWERS, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING TO ENSURE THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM

41. WATER SERVICES ARE TO BE INSULATED PER CITY STD. W23 WHERE SEPARATION BETWEEN SERVICES AND MAINTENANCE HOLES ARE LESS THAN

40. WATERMAIN CROSSING OVER AND BELOW SEWERS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. W25,2 AND W25, RESPECTIVELY.

39. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CAPS, PLUGS, BLOW-OFFS, AND NOZZLES REQUIRED FOR TESTING AND DISINFECTION OF THE

37. WATERMAIN IN FILL AREAS TO BE INSTALLED WITH RESTRAINED JOINTS PER CITY OF OTTAWA STD.25.5 AND W25.6. 38. THRUST BLOCKING OF WATERMAINS TO BE INSTALLED PER CITY OF OTTAWA STD. W25.3 AND W25.4.

35. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS PER CITY OF OTTAWA STD.25.5 AND W25.6.

34. ALL PVC WATERMAINS, SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF

33. WATERMAIN TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W17. UNLESS SPECIFIED OTHERWISE. BEDDING

30. ALL WATERMAIN INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF OTTAWA AND THE ONTARIO PROVINCIAL STANDARD

29. ALL STORM MANHOLES WITH PIPE LESS THAN 900MM IN DIAMETER SHALL BE CONSTRUCTED WITH A 300MM SUMP AS PER SDG, CLAUSE 6.2.6.

PERFORATED SUBDRAIN FOR ROAD AND PARKING LOT CATCH BASIN SHALL BE INSTALLED PER CITY STD R1 UNLESS OTHERWISE NOTED. 26. PERFORATED SUBDRAIN FOR REAR YARD AND LANDSCAPING APPLICATIONS SHALL BE INSTALLED PER CITY STD S29, S30 AND S31, WHERE

24. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED ABOVE. WHERE THE SPECIFIED TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR IS REQUIRED TO PROVIDE AND SHALL BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS

18. ALL STORM SEWER TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. S6 AND S7 CLASS 'B' UNLESS OTHERWISE

17. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.2, OR LATEST AMENDMENT. ALL NON-REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.1, OR LATEST AMENDMENT. PIPE SHALL BE JOINED WITH STD. RUBBER

16. 100MM THICK HIGH-DENSITY GRADE 'A' POLYSTYRENE INSULATION TO BE INSTALLED IN ACCORDANCE WITH CITY STD W22 WHERE INDICATED ON

13. SANITARY GRAVITY SEWER TRENCH AND BEDDING SHALL BE PER CITY OF OTTAWA STD. S6 AND S7 CLASS 'B' BEDDING, UNLESS SPECIFIED

10. ALL SANITARY SEWER INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF OTTAWA AND THE ONTARIO PROVINCIAL 11. ALL SANITARY GRAVITY SEWER SHALL BE PVC SDR 35, IPEX 'RING-TITE' (OR APPROVED EQUIVALENT) PER CSA STANDARD B182.2 OR LATEST

407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL SEWERS, A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO

VIDEO RECORDING IN A FORMAT ACCEPTABLE TO ENGINEER. ALL SEWER ARE TO BE FLUSHED PRIOR TO CAMERA INSPECTION. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE 9. CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS

5. "MODULOC" OR APPROVED PRE-CAST MAINTENANCE STRUCTURE AND CATCH BASIN ADJUSTERS TO BE USED IN LIEU OF BRICKING. PARGE

3. SERVICES TO BUILDING TO BE TERMINATED 1.0M FROM THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED. 4. ALL MAINTENANCE STRUCTURE AND CATCH BASIN EXCAVATIONS TO BE BACKFILLED WITH GRANULAR MATERIAL COMPACTED TO 98% STANDARD

2. CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING S8. THE SEALS SHOULD BE AT LEAST 1.5M LONG (IN THE TRENCH DIRECTION) AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. THE SEALS SHOULD EXTEND FROM THE FROST LINE AND FULLY PENETRATE THE BEDDING, SUB-BEDDING, AND COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPATIBLE BROWN SILTY CLAY PLACED IN MAXIMUM 225MM LIFTS AND COMPACTED TO A MINIMUM OF 95% SPMDD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES

19. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO MINIMUM OF 100% STANDARD PROCTOR DENSITY MAXIMUM DRY DENSITY (SPMDD).

16. AL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND

15. ROADWORK TO BE COMPLETED IN ACCORDANCE WITH GEOTECHNICAL REPORT, PREPARED BY LRL ASSOCIATES. DATED NOVEMBER 2020.

14. WHERE APPLICABLE THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. SHOP DRAWINGS MUST BE SITE SPECIFIC, SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER. THE CONTRACTOR WILL ALSO BE REQUIRED TO SUPPLY AND GEOTECHNICAL CERTIFICATION OF THE AS-CONSTRUCTED RETAINING WALL TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.

12. STEP JOINTS ARE TO BE USED WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT, ALL JOINTS MUST BE SEALED. 13. SIDEWALKS TO BE 13MM & BEVELED AT 2:1 OR 6MM WITH NO BEVEL REQUIRED BELOW THE FINISHED FLOOR SLAB ELEVATION AT ENTRANCES REQUIRED TO BE BARRIER-FREE, UNLESS OTHERWISE NOTED. ALL IN ACCORDANCE WITH OBC 3.8.1.3 & OTTAWA ACCESSIBILITY DESIGN

10. ALL PAVEMENT MARKING FEATURES AND SITE SIGNAGE SHALL BE PLACED PER ARCHITECTURAL SITE PLAN. LINE PAINTING AND DIRECTIONAL SYMBOLS SHALL BE APPLIED WITH A MINIMUM OF TWO COATS OF ORGANIC SOLVENT PAINT.

7. SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 30MM LIFTS. 8. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR BACKFILLING. 9. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE. IF

6. GRANULAR 'A' SHALL BE PLACED TO A MINIMUM THICKNESS OF 30MM AROUND ALL STRUCTURES WITHIN THE PAVEMENT AREA.

CONCRETE ISLANDS, AND SIDEWALKS SHOWN O THIS DRAWING ARE TO BR PRICED IN SITE WORKS PORTION OF THE CONTRACT. 5. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. R10 AND OPSD 509.010

4. CONCRETE CURB SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. SC1.1 PROVISION SHALL BE MADE OR CURB DEPRESSIONS AS INDICATED ON ARCHITECTURAL SITE PLAN. CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD SC1.4. ALL CURBS,

3. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD AND PARKING AREAS ALLOWANCE PRIOR TO THE COMMENCEMENT

2. ALL GRANULAR AND PAVEMENT FOR ROADS/PARKING AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S

1. PRIOR TO THE COMMENCEMENT OF THE SITE GRADING WORKS, ALL SILTATION CONTROL DEVICES SHALL BE INSTALLED AND OPERATIONAL PER

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF TH CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. T ONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO T WNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER DNFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. TH DNTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSEI WITH THE LOCAL CONDITIONS. VERIFIED FIELD DIMENSIONS AND CORRELATED HIS SERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENT

AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OR OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER

UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS HALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED ANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS HE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT TH WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF E RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO E

UNAUTHORIZED CHANGES

ADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OT CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOU DBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FU RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIEN AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM AN IABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.

IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW O INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES

IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR ONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES O ODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIC WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.

GENERAL NOTES:

EXISTING SERVICES AND LITHITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM E BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS

BEFORE START OF CONSTRUCTION. THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS

INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

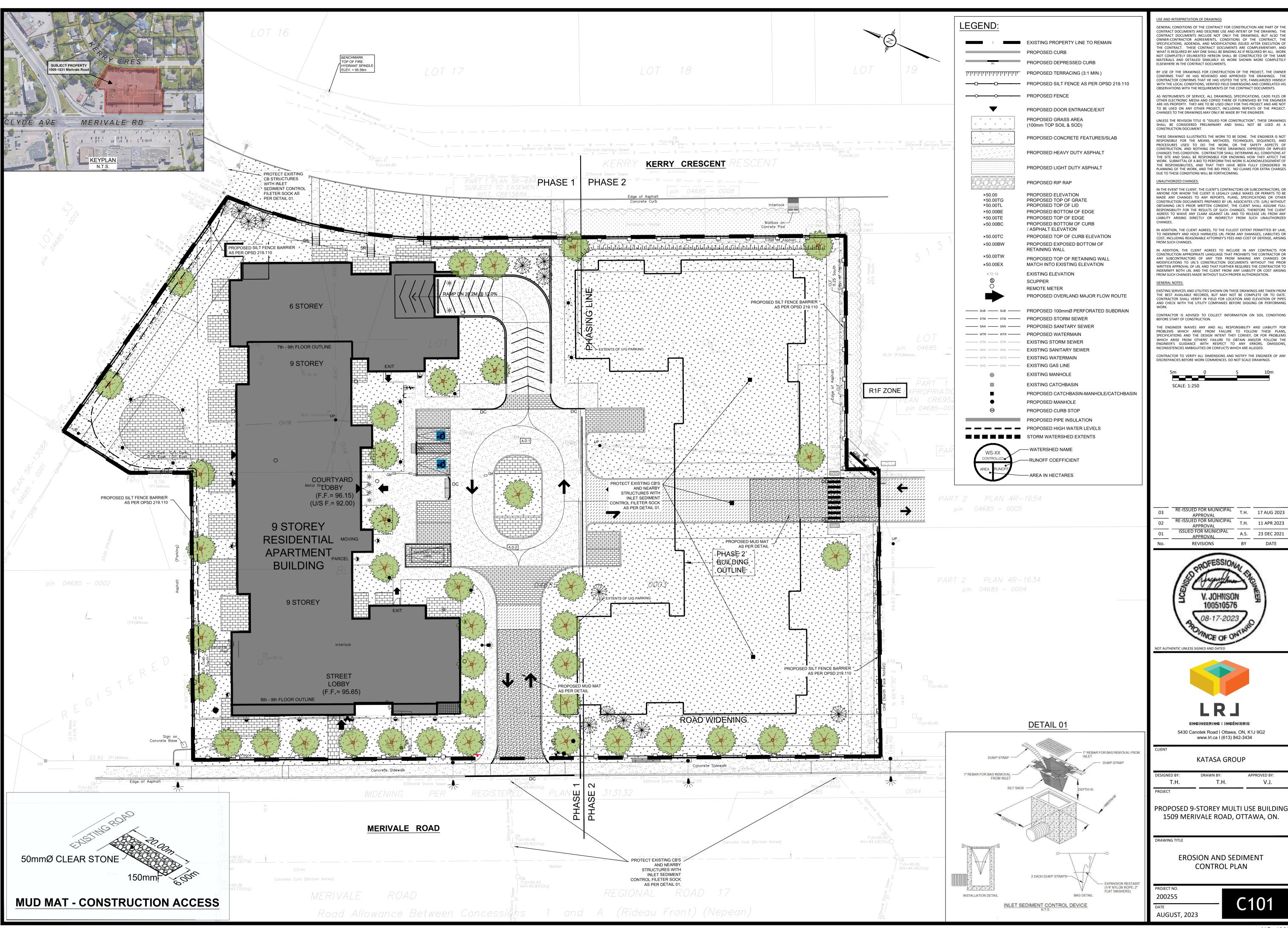
	RE-ISSUED FOR MUNICIPAL		
03	APPROVAL	Т.Н.	17 AUG 2023
02	RE-ISSUED FOR MUNICIPAL APPROVAL	т.н.	11 APR 2023
01	ISSUED FOR MUNICIPAL APPROVAL	A.S.	23 DEC 2021
No.	REVISIONS	BY	DATE
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CLIENT			
KATASA GROUP			
DESIGNE	D BY: DRAWN BY: T.H. T.H.	AP	PROVED BY: V.J.
PROJECT			
PROPOSED 9-STOREY MULTI USE BUILDING 1509 MERIVALE ROAD, OTTAWA, ON.			
DRAWIN	G TITLE		

GENERAL NOTES

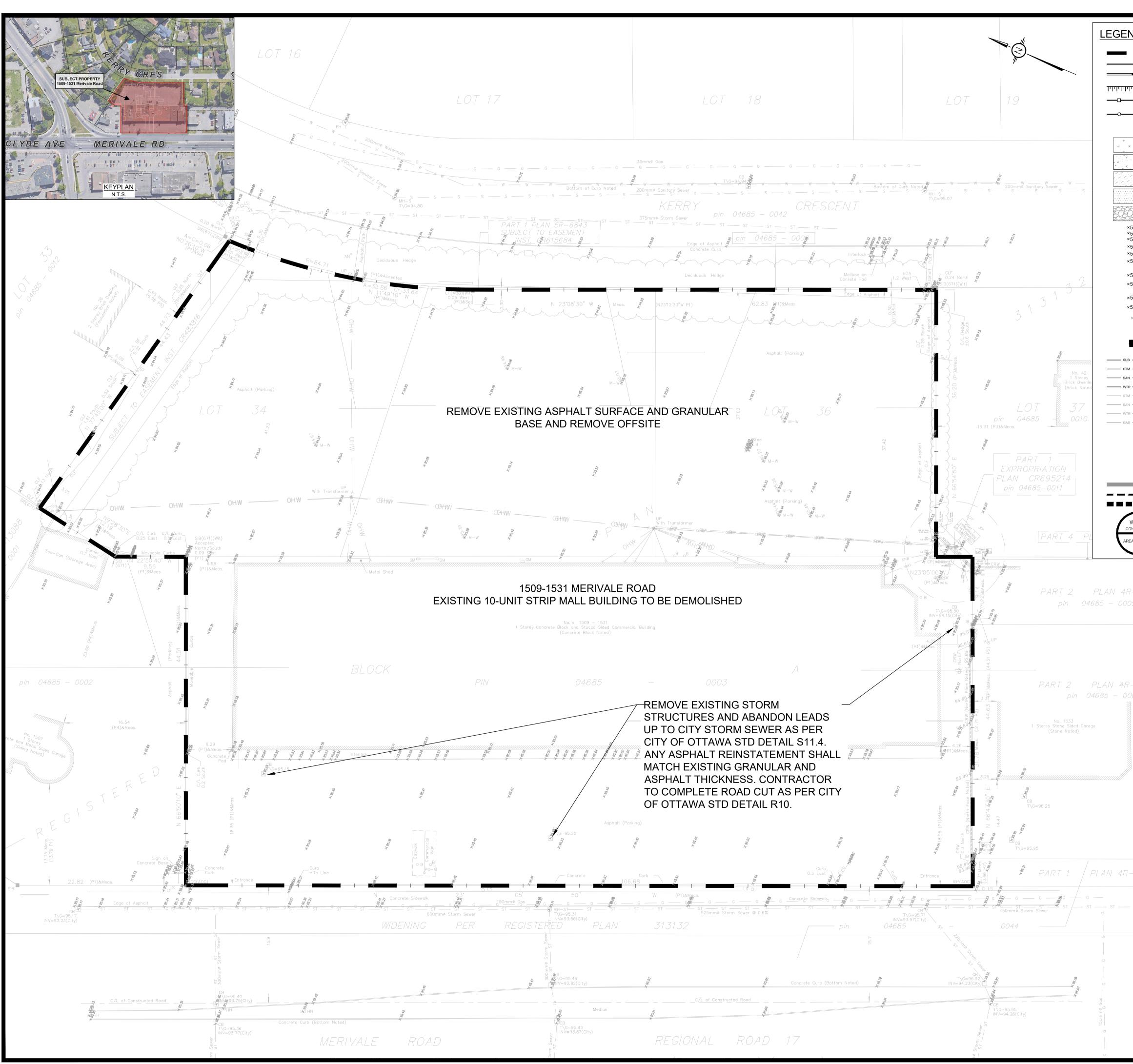
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AUGUST, 2023



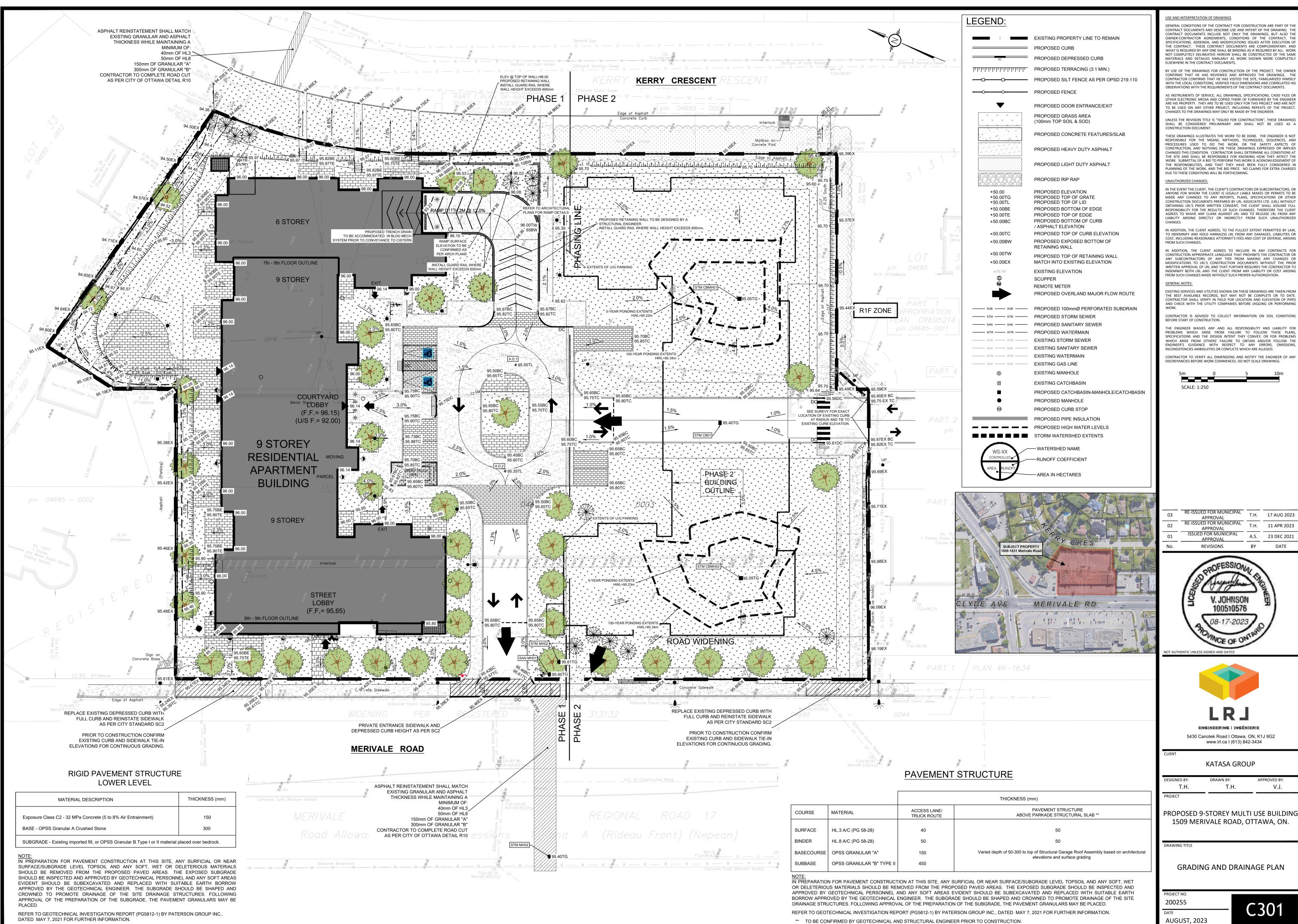


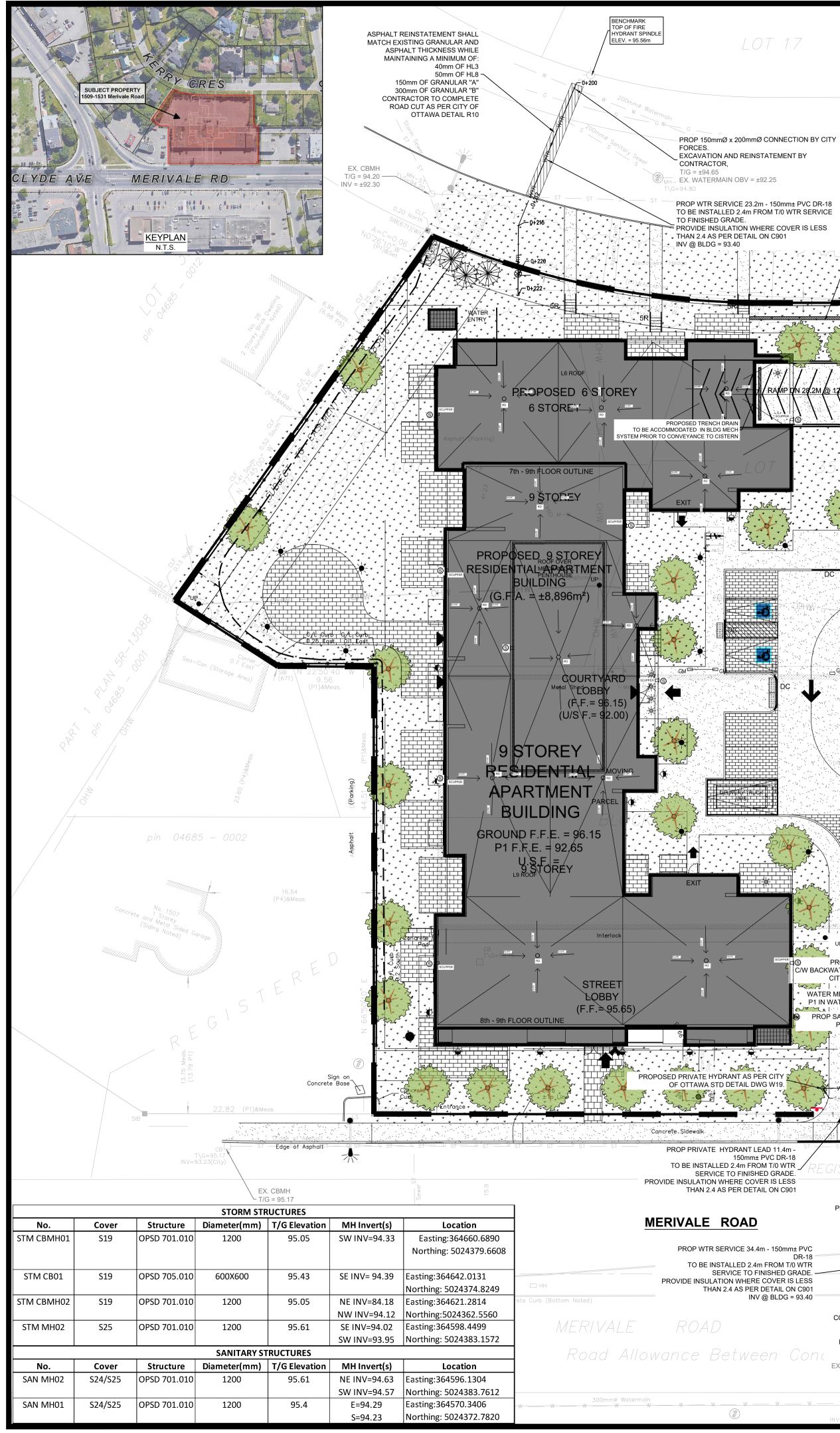
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ND:		USE AND INTERPRETATION OF DRAWINGS GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE
	EXISTING PROPERTY LINE TO REMAIN	CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF
	PROPOSED CURB	THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME
DC	PROPOSED DEPRESSED CURB	MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.
	PROPOSED TERRACING (3:1 MIN.) PROPOSED SILT FENCE AS PER OPSD 219.110	BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNEF CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS
	PROPOSED FENCE	OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OF
▼	PROPOSED DOOR ENTRANCE/EXIT	OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGINEEF ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT CHARGES TO THE DRAWLING MAY ONLY DE MADE BY THE PROJECT FOR
Ψ Ψ Ψ · Ψ Ψ ·	PROPOSED GRASS AREA	CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER. UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A
	(100mm TOP SOIL & SOD)	CONSTRUCTION DOCUMENT. THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT
	PROPOSED CONCRETE FEATURES/SLAB	RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED
	PROPOSED HEAVY DUTY ASPHALT	CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN
	PROPOSED LIGHT DUTY ASPHALT	PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.
	PROPOSED RIP RAP	UNAUTHORIZED CHANGES: IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OF
50.00 50.00TG 50.00TL	PROPOSED ELEVATION PROPOSED TOP OF GRATE PROPOSED TOP OF LID	ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHEF CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL
50.00TE 50.00BE 50.00TE	PROPOSED BOTTOM OF EDGE PROPOSED TOP OF EDGE	RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED
50.00BC	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION	CHANGES.
50.00TC 50.00BW	PROPOSED TOP OF CURB ELEVATION PROPOSED EXPOSED BOTTOM OF	TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OF COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.
50.00TW	RETAINING WALL	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OF ANY SUBCONTRACTORS OF ANY THE FROM MAKING ANY CHANGES OF
50.00EX	PROPOSED TOP OF RETAINING WALL MATCH INTO EXISTING ELEVATION	ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOF WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TC INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARISING
× 70.19	EXISTING ELEVATION SCUPPER	FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.
	REMOTE METER PROPOSED OVERLAND MAJOR FLOW ROUTE	EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES
SUB	PROPOSED 100mmØ PERFORATED SUBDRAIN	AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.
STM	PROPOSED STORM SEWER	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.
SAN	PROPOSED SANITARY SEWER PROPOSED WATERMAIN	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOF PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS
STM	EXISTING STORM SEWER EXISTING SANITARY SEWER	WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
WTR	EXISTING WATERMAIN	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
GAS	EXISTING GAS LINE EXISTING MANHOLE	5m 0 5 10m
	EXISTING CATCHBASIN	SCALE: 1:250
•	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN PROPOSED MANHOLE	
\otimes	PROPOSED CURB STOP	
	PROPOSED PIPE INSULATION PROPOSED HIGH WATER LEVELS	
	STORM WATERSHED EXTENTS	
WS-XX		
		03 RE-ISSUED FOR MUNICIPAL T.H. 17 AUG 2023
9—1654 05		02 APPROVAL 111 APR 2023 02 APPROVAL T.H. 11 APR 2023
		01 ISSUED FOR MUNICIPAL APPROVAL A.S. 23 DEC 2021
		No. REVISIONS BY DATE
		V. JOHNSON
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—1634 104		의 V. JOHNSON 또 100510576
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		TROWINCE OF ONTAHIO
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		NOT AUTHENTIC UNLESS SIGNED AND DATED
		5430 Canotek Road I Ottawa, ON, K1J 9G2 www.lrl.ca I (613) 842-3434
-1634		KATASA GROUP
		DESIGNED BY: DRAWN BY: APPROVED BY: T.H. T.H. V.J.
ST —— ST —		PROJECT
		PROPOSED 9-STOREY MULTI USE BUILDING
		1509 MERIVALE ROAD, OTTAWA, ON.
		DRAWING TITLE
		DEMOLITION PLAN
		PROJECT NO.
		²⁰⁰²⁵⁵ C102
		AUGUST, 2023

07-12-21-0233





 $T/G = \pm 95.35$

±92.95

EX. WATERMAIN OBV =

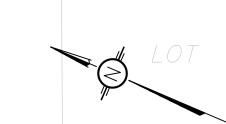
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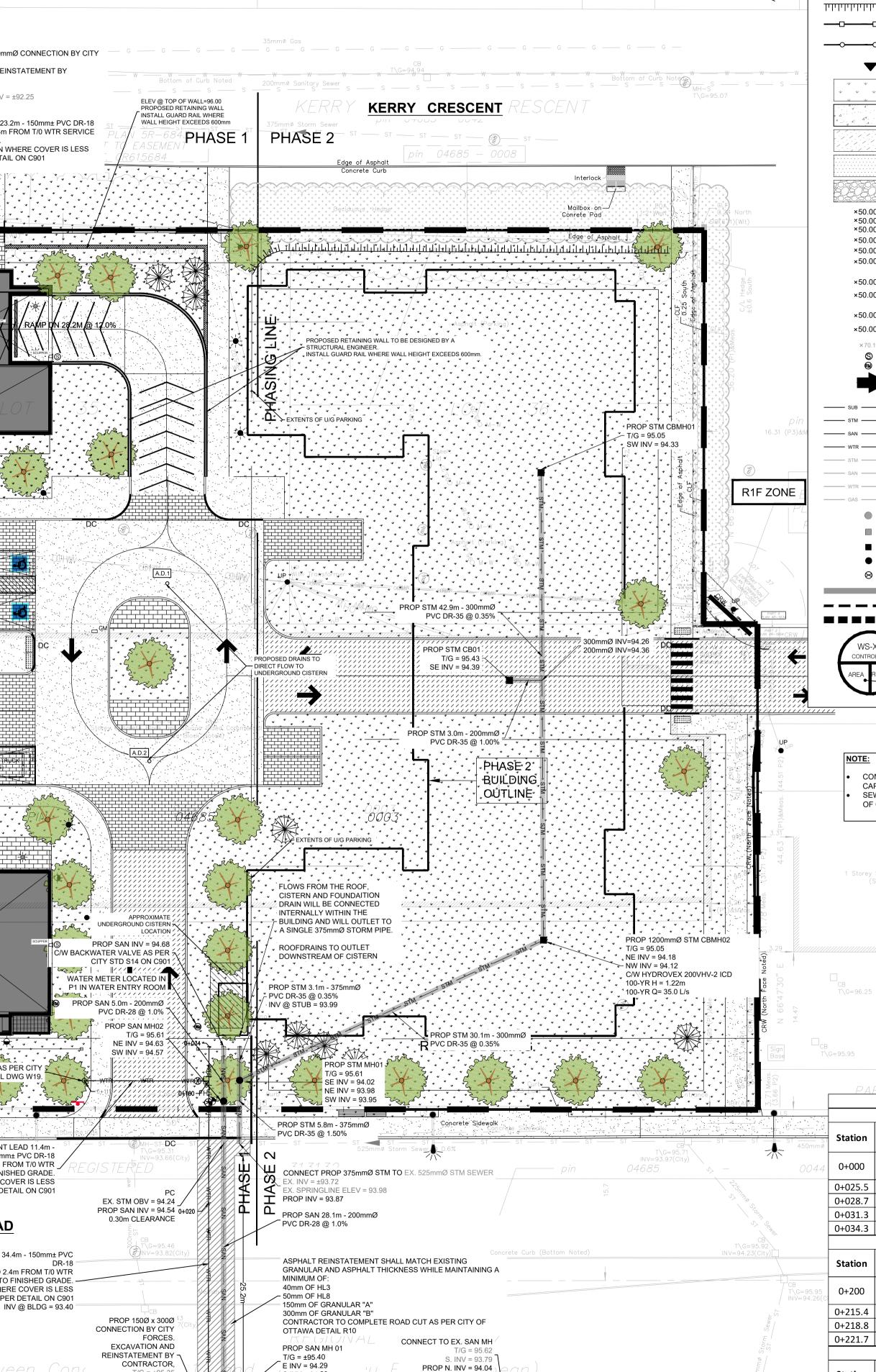
NAS 🔫 NAS — NAS —

PROP SAN 25.7m - 250mmØ

- NAS ----- NAS ----- NAS C=0

PVC DR-28 @ 0.70%





LEGEND: GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. T NTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO TH EXISTING PROPERTY LINE TO REMAIN NNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, T SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND _____ PROPOSED CURB WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK INTERNATION OF A CONTRACT OF A CONTRACT OF THE SAME AND A CONTRACTOR OF THE SAME ATTRIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY PROPOSED DEPRESSED CURB ELSEWHERE IN THE CONTRACT DOCUMENTS. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER DNFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THI DNFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THI DNTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELI PROPOSED SILT FENCE AS PER OPSD 219.110 WITH THE LOCAL CONDITIONS. VERIFIED FIELD DIMENSIONS AND CORRELATED HIS SERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. ----O------ PROPOSED FENCE AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OF AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILS OF OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGINEE ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT PROPOSED DOOR ENTRANCE/EXIT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT HANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER. PROPOSED GRASS AREA $\psi = \psi$ UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS (100mm TOP SOIL & SOD) SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT. PROPOSED CONCRETE FEATURES/SLAB HESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF PROPOSED HEAVY DUTY ASPHALT CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED HANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS OF THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THI WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF PROPOSED LIGHT DUTY ASPHALT THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING. PROPOSED RIP RAP UNAUTHORIZED CHANGES: IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ×50.00 PROPOSED ELEVATION ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BI PROPOSED TOP OF GRATE ×50 00TG ADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER PROPOSED TOP OF LID ×50.00TL CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOU OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT PROPOSED BOTTOM OF EDGE ×50.00BE ×50.00TE PROPOSED TOP OF EDGE AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM AN IABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED ×50.00BC PROPOSED BOTTOM OF CURB CHANGES. / ASPHALT ELEVATION IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, PROPOSED TOP OF CURB ELEVATION ×50.00TC O INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES. LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING ×50.00BW PROPOSED EXPOSED BOTTOM OF FROM SUCH CHANGES RETAINING WALL IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR ×50.00TW PROPOSED TOP OF RETAINING WALL CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR ×50.00EX MATCH INTO EXISTING ELEVATION MODIFICATIONS TO LRU'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION. EXISTING ELEVATION ×70.19 ഒ SCUPPER GENERAL NOTES: REMOTE METER EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM PROPOSED OVERLAND MAJOR FLOW ROUTE IE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING ------ SUB ------ PROPOSED 100mmØ PERFORATED SUBDRAIN WORK. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS ----- STM ----- PROPOSED STORM SEWER BEFORE START OF CONSTRUCTION. ------ SAN ------ PROPOSED SANITARY SEWER THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR WTR WTR WTR PROPOSED WATERMAIN PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS EXISTING STORM SEWER _____ STM _____ STM _____ WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE NGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS EXISTING SANITARY SEWER _____ SAN _____ SAN _____ INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED. EXISTING WATERMAIN _____ WTR _____ WTR _____ CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS. EXISTING GAS LINE EXISTING MANHOLE 10m EXISTING CATCHBASIN SCALE: 1:250 PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN PROPOSED MANHOLE PROPOSED CURB STOP PROPOSED PIPE INSULATION PROPOSED HIGH WATER LEVELS STORM WATERSHED EXTENTS -WATERSHED NAME WS-X> CONTROLLE -RUNOFF COEFFICIENT - AREA IN HECTARES RE-ISSUED FOR MUNICIPAL T.H. 17 AUG 2023 03 NOTE: RE-ISSUED FOR MUNICIPAL T.H. 11 APR 2023 02 CONTRACTOR TO LOCATE ALL EXISTING SERVICES AND APPROVAL ISSUED FOR MUNICIPAL CAP AT MAIN. 01 A.S. 23 DEC 2021 SEWER SERVICES TO BE CAP/ABANDONED AS PER CITY APPROVAL OF OTTAWA STANDARD DWG S11.4 No. REVISIONS BY DATE **I. JOHNSON** 100510576 NOT AUTHENTIC UNLESS SIGNED AND DATED WATERMAIN TABLE ENGINEERING | INGÉNIERIE **Merival Road Water Service** 5430 Canotek Road | Ottawa, ON, K1J 9G2 Ground | Top o www.lrl.ca | (613) 842-3434 Description Elevation Wate Connection to City main. 96.01 92.96 KATASA GROUP 150x300x300 Tee Crossing. STM INV=93.70 95.37 92.97 APPROVED BY: DRAWN B 95.58 93.18 Propert Line Т.Н. V.J. Т.Н. 0+031.3 | Hydrant Lead 150x150x150 Tee 95.6 93.2 PROJECT 95.7 93.3 Stub Kerry Crescent Water Service

USE AND INTERPRETATION OF DRAWINGS

PROPOSED 9-STOREY MULTI USE BUILDING 1509 MERIVALE ROAD, OTTAWA, ON.

RAWING TITLE

Ground Top o

94.55 92.15

95.64 92.24

Ground Top o

95.69 93.29

Water

92.3

92.12

Wate

93.2

93.2

Elevation

94.70

94.52

Elevation

95.60

95.60

Description

Connection to City main.

150x200x200 Tee

Bend

Property Line

Stub

Description

150x150x150 Tee

Valve and Valve Box

Elbow and Thrust Block

Station

0+100

0+101

0+111.4

itary Sewer @ ±0.34%

s — s -

- w ____ w ____ w ____ w ___

Private Hydran Lead

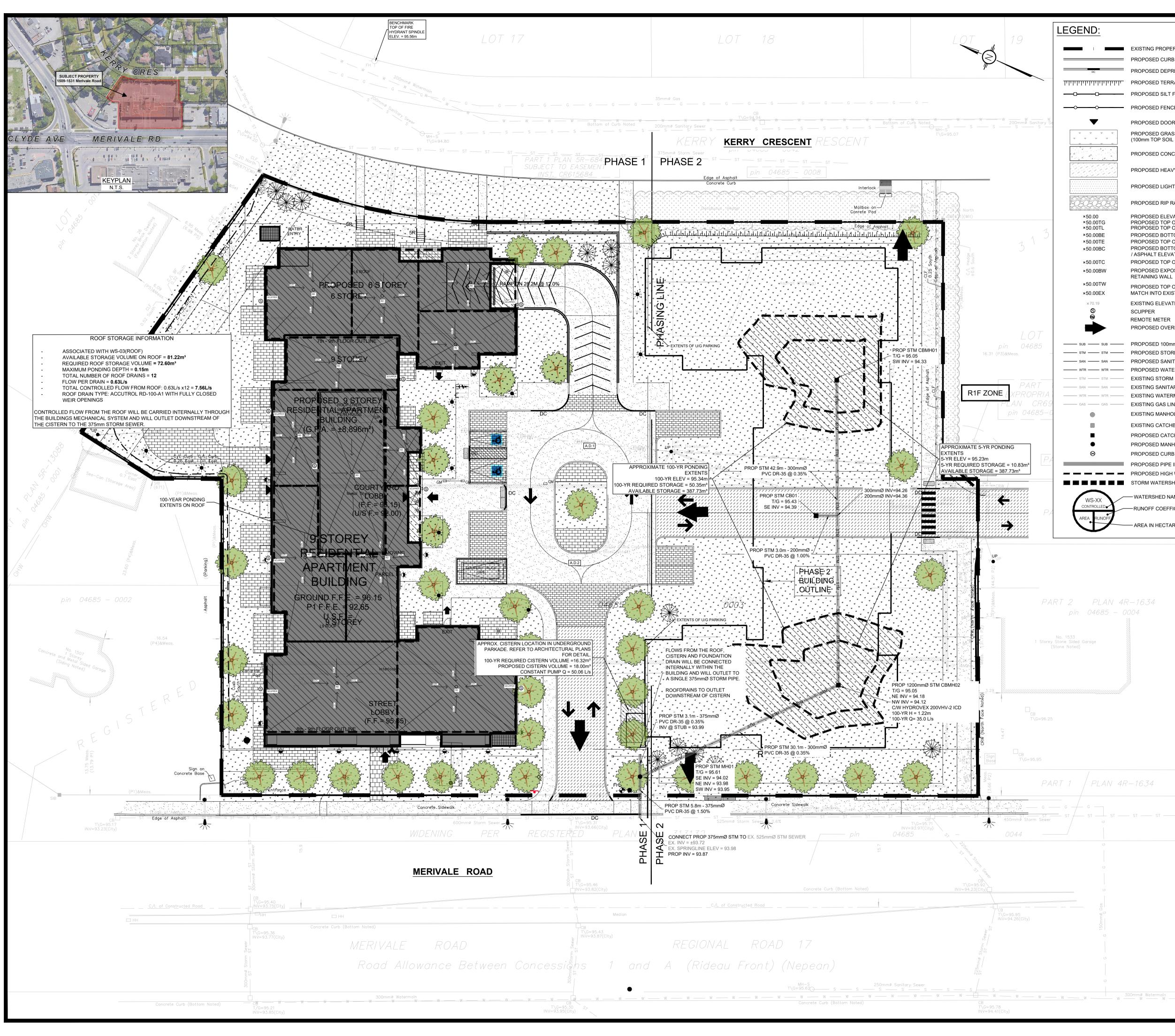
SERVICING PLAN

ROJECT NO 200255

AUGUST, 2023

NO. 18657

C401



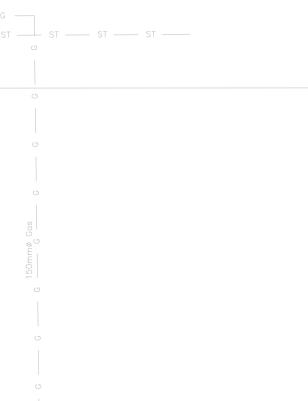
	EXISTING PROPERTY LINE TO REMAIN
	PROPOSED CURB
DC	PROPOSED DEPRESSED CURB
ւրըըըըըըը-	PROPOSED TERRACING (3:1 MIN.)
	PROPOSED SILT FENCE AS PER OPSD 2
o	PROPOSED FENCE
▼	PROPOSED DOOR ENTRANCE/EXIT
Ψ Ψ Ψ Ψ Ψ Ψ	PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
	PROPOSED CONCRETE FEATURES/SLA
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED LIGHT DUTY ASPHALT
	PROPOSED RIP RAP
50.00 50.00TG	PROPOSED ELEVATION PROPOSED TOP OF GRATE
50.00TL 50.00BE	PROPOSED TOP OF LID PROPOSED BOTTOM OF EDGE
50.00TE	PROPOSED TOP OF EDGE
50.00BC	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION
50.00TC	PROPOSED TOP OF CURB ELEVATION
50.00BW	PROPOSED EXPOSED BOTTOM OF RETAINING WALL
50.00TW 50.00EX	PROPOSED TOP OF RETAINING WALL MATCH INTO EXISTING ELEVATION
×70.19	EXISTING ELEVATION
S	SCUPPER
	REMOTE METER
	PROPOSED OVERLAND MAJOR FLOW R
SUB	PROPOSED 100mmØ PERFORATED SUB
STM	PROPOSED STORM SEWER
SAN	PROPOSED SANITARY SEWER
WTR	PROPOSED WATERMAIN
STM	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
WTR	EXISTING WATERMAIN
GAS ———	EXISTING GAS LINE
	EXISTING MANHOLE
	EXISTING CATCHBASIN
	PROPOSED CATCHBASIN-MANHOLE/CA
•	PROPOSED MANHOLE
\otimes	PROPOSED CURB STOP
	PROPOSED PIPE INSULATION

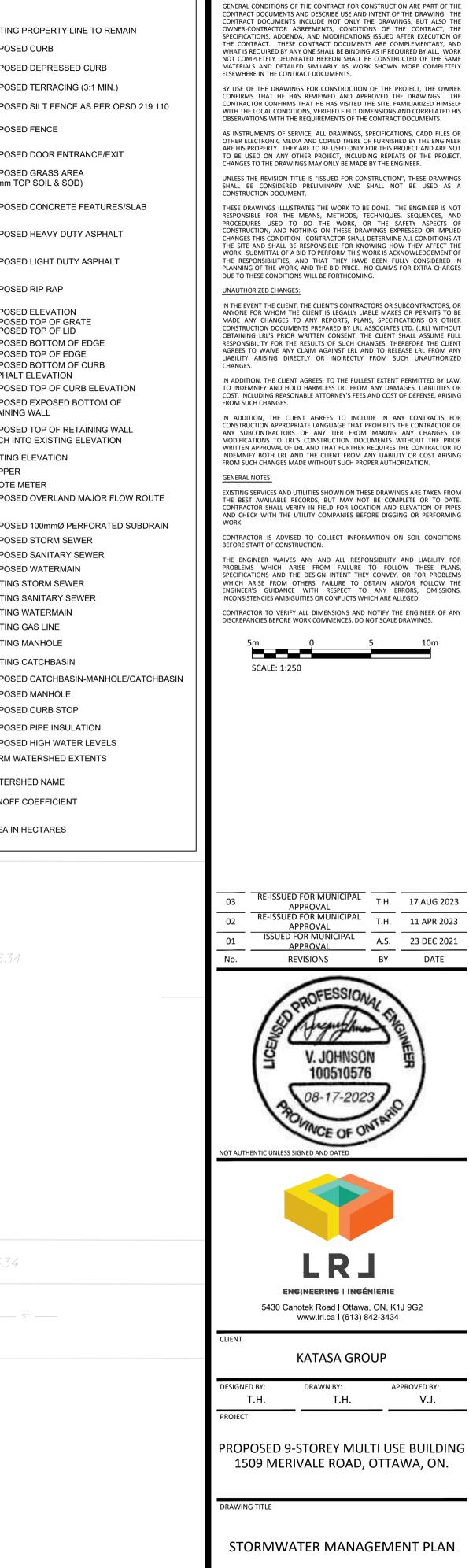
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	PROPOSED CONCRETE FEATURES/SLAB
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED LIGHT DUTY ASPHALT
12 N 12 N	PROPOSED RIP RAP
	PROPOSED ELEVATION PROPOSED TOP OF GRATE PROPOSED TOP OF LID PROPOSED BOTTOM OF EDGE PROPOSED TOP OF EDGE PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION PROPOSED TOP OF CURB ELEVATION PROPOSED EXPOSED BOTTOM OF RETAINING WALL PROPOSED TOP OF RETAINING WALL MATCH INTO EXISTING ELEVATION
	EXISTING ELEVATION SCUPPER REMOTE METER PROPOSED OVERLAND MAJOR FLOW ROUT
	 PROPOSED 100mmØ PERFORATED SUBDR/ PROPOSED STORM SEWER PROPOSED SANITARY SEWER PROPOSED WATERMAIN EXISTING STORM SEWER EXISTING SANITARY SEWER EXISTING WATERMAIN EXISTING GAS LINE EXISTING MANHOLE
-	EXISTING CATCHBASIN PROPOSED CATCHBASIN-MANHOLE/CATCH PROPOSED MANHOLE PROPOSED CURB STOP

-RUNOFF COEFFICIENT







USE AND INTERPRETATION OF DRAWINGS



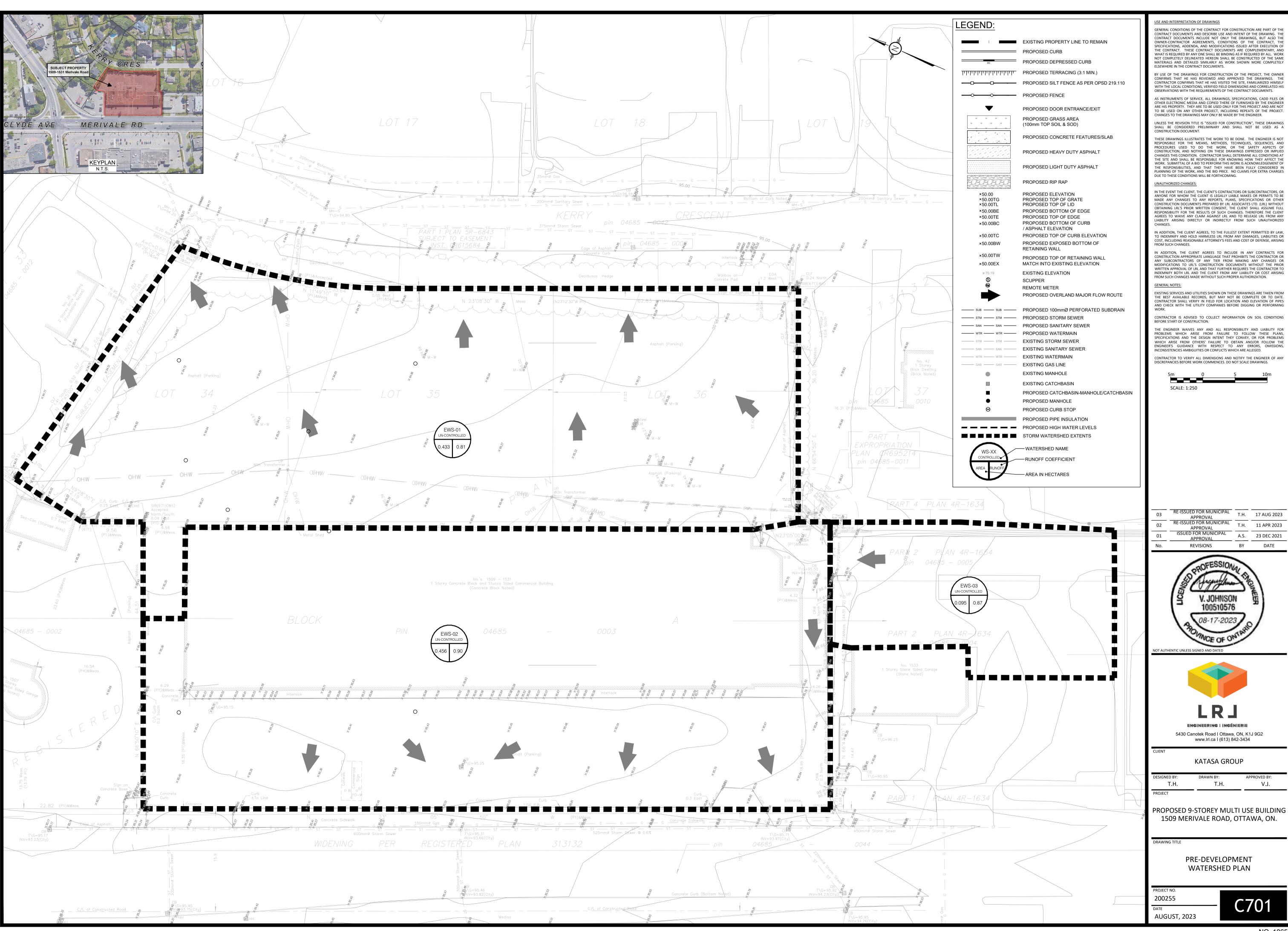
AUGUST, 2023

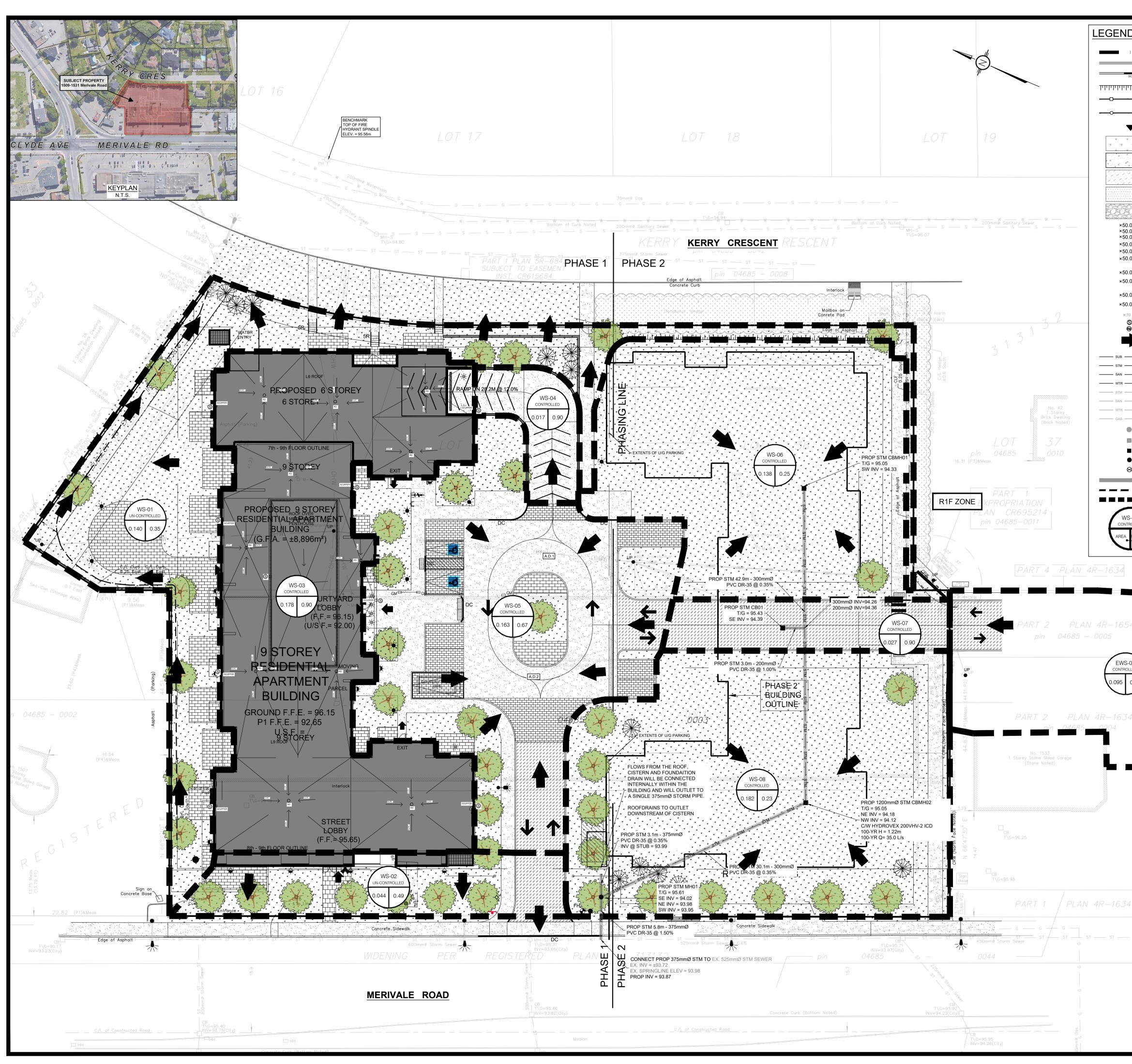
PROJECT NO.

200255

DATE

NO. 18657





D:		USE AND INTERPRETATION OF DRAWINGS GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF
	EXISTING PROPERTY LINE TO REMAIN	CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT,
	PROPOSED CURB	SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, A WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WO
DC	PROPOSED DEPRESSED CURB	NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SA MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLET ELSEWHERE IN THE CONTRACT DOCUMENTS.
	PROPOSED TERRACING (3:1 MIN.)	BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWN
-0	PROPOSED SILT FENCE AS PER OPSD 219.110	CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMS WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED
-0	PROPOSED FENCE	OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES
▼	PROPOSED DOOR ENTRANCE/EXIT	OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGIN ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE N TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJE
· · · ·	PROPOSED GRASS AREA	CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER. UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWI
	(100mm TOP SOIL & SOD)	SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS CONSTRUCTION DOCUMENT.
<u> </u>	PROPOSED CONCRETE FEATURES/SLAB	THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS N RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, A PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS
	PROPOSED HEAVY DUTY ASPHALT	CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPL CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT
	PROPOSED LIGHT DUTY ASPHALT	WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHAR
	PROPOSED RIP RAP	DUE TO THESE CONDITIONS WILL BE FORTHCOMING.
.00	PROPOSED ELEVATION	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO
.00TG .00TL	PROPOSED TOP OF GRATE PROPOSED TOP OF LID	MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OT CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHO
.00BE .00TE	PROPOSED BOTTOM OF EDGE PROPOSED TOP OF EDGE	OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME F RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLI AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM A
.00BC	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION	LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORI CHANGES.
.00TC	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY L TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARIS
.00BW	PROPOSED EXPOSED BOTTOM OF RETAINING WALL	FROM SUCH CHANGES.
.00TW .00EX	PROPOSED TOP OF RETAINING WALL MATCH INTO EXISTING ELEVATION	CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PR
0.19	EXISTING ELEVATION	WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARIS FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.
S 19	SCUPPER REMOTE METER	GENERAL NOTES:
	PROPOSED OVERLAND MAJOR FLOW ROUTE	EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FR THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DU
SUB	PROPOSED 100mmØ PERFORATED SUBDRAIN	CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PL AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORM WORK.
STM	PROPOSED STORM SEWER	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITION BEFORE START OF CONSTRUCTION.
SAN	PROPOSED SANITARY SEWER PROPOSED WATERMAIN	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLA
STM	EXISTING STORM SEWER	SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLE WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIC
SAN	EXISTING SANITARY SEWER EXISTING WATERMAIN	INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
GAS	EXISTING GAS LINE	DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
	EXISTING MANHOLE	5m 0 5 10m
	EXISTING CATCHBASIN PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN	SCALE: 1:250
•	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN PROPOSED MANHOLE	
8	PROPOSED CURB STOP	
	PROPOSED PIPE INSULATION PROPOSED HIGH WATER LEVELS	
	STORM WATERSHED EXTENTS	
S-XX	WATERSHED NAME	
ROLLED		
RUNOFF		
		RE-ISSUED FOR MUNICIPAL
		APPROVAL I.H 17 AUG 20
		02 APPROVAL 11 APR 202 15SUED FOR MUNICIPAL AS. 23 DEC 202
54		APPROVAL No. Proval December 20 December 20 <thdecember 2<="" td=""></thdecember>
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0.87		S V. JOHNSON 5 100510576
4		3 08-17-2023
		BOUNNEE OF ONTRAIN
		NOT AUTHENTIC UNLESS SIGNED AND DATED
		ENGINEERING I INGÉNIERIE 5430 Canotek Road Ottawa, ON, K1J 9G2
		www.lrl.ca l (613) 842-3434
		KATASA GROUP
		DESIGNED BY: DRAWN BY: APPROVED BY:
4		T.H. T.H. V.J.
		PROPOSED 9-STOREY MULTI USE BUILDIN
- ST ———		1509 MERIVALE ROAD, OTTAWA, ON.
		DRAWING TITLE
		POST-DEVELOPMENT
		WATERSHED PLAN
		PROJECT NO.

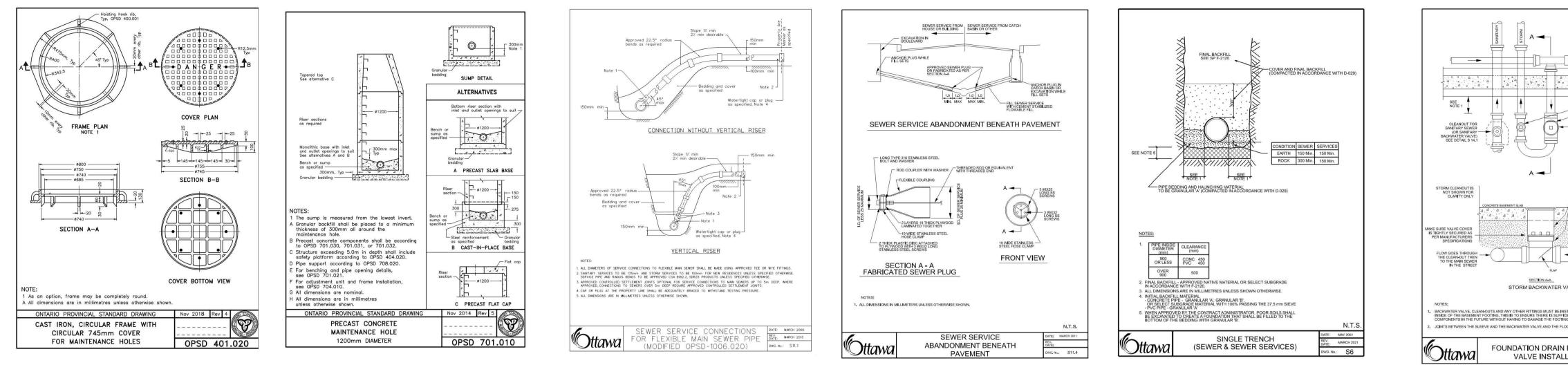
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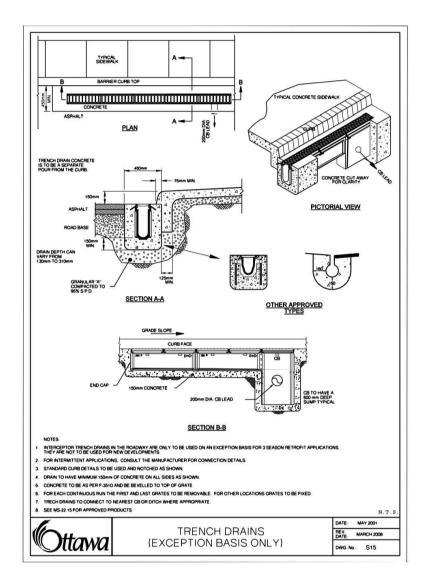
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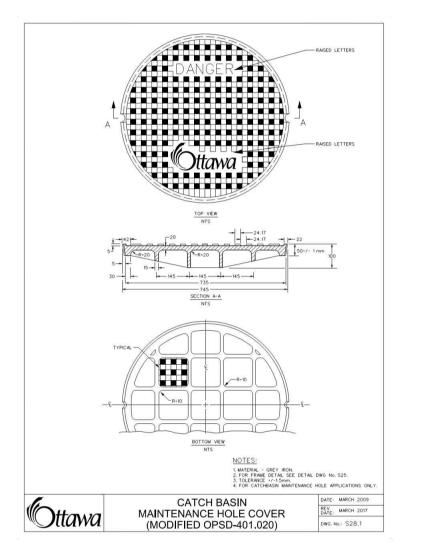
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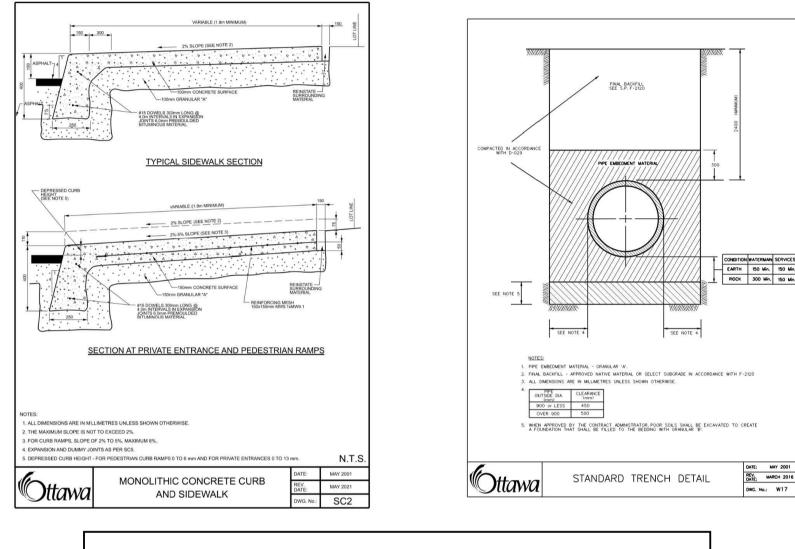
AUGUST, 2023

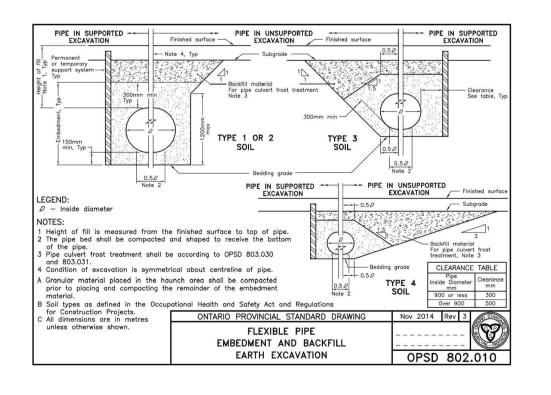
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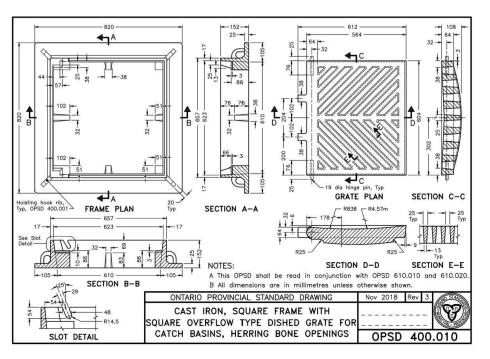


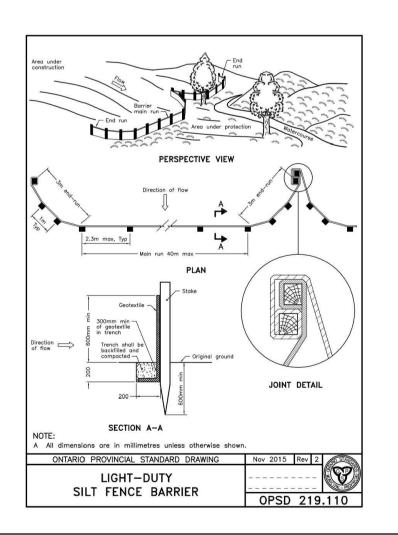


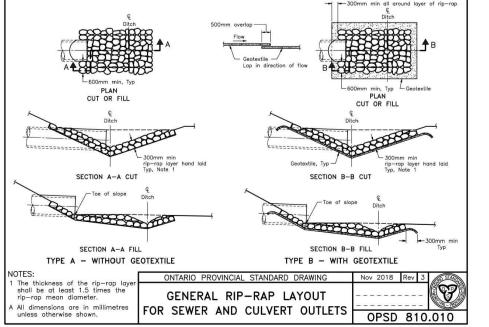


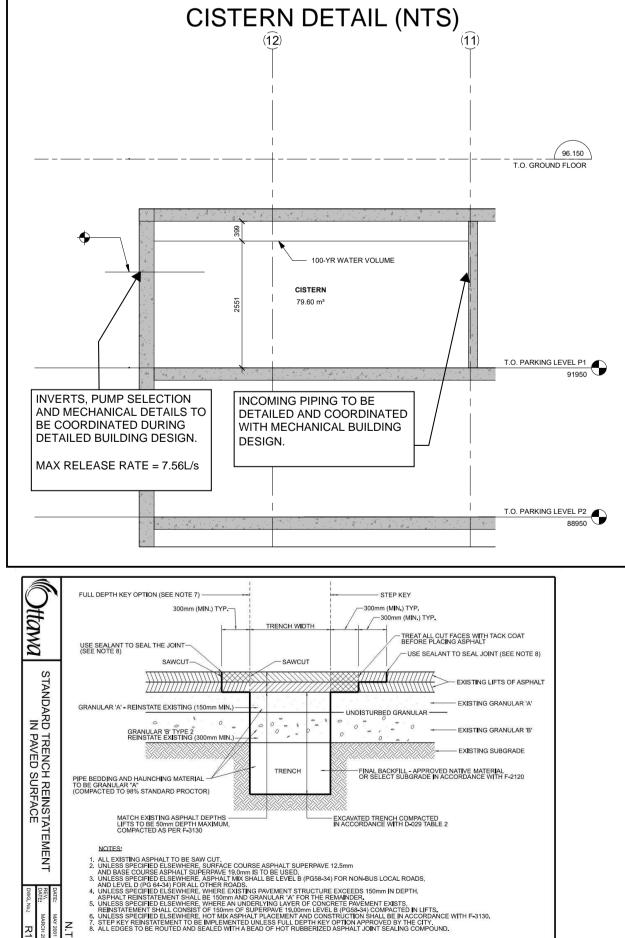


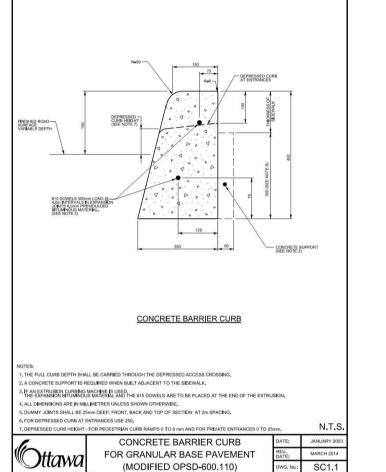




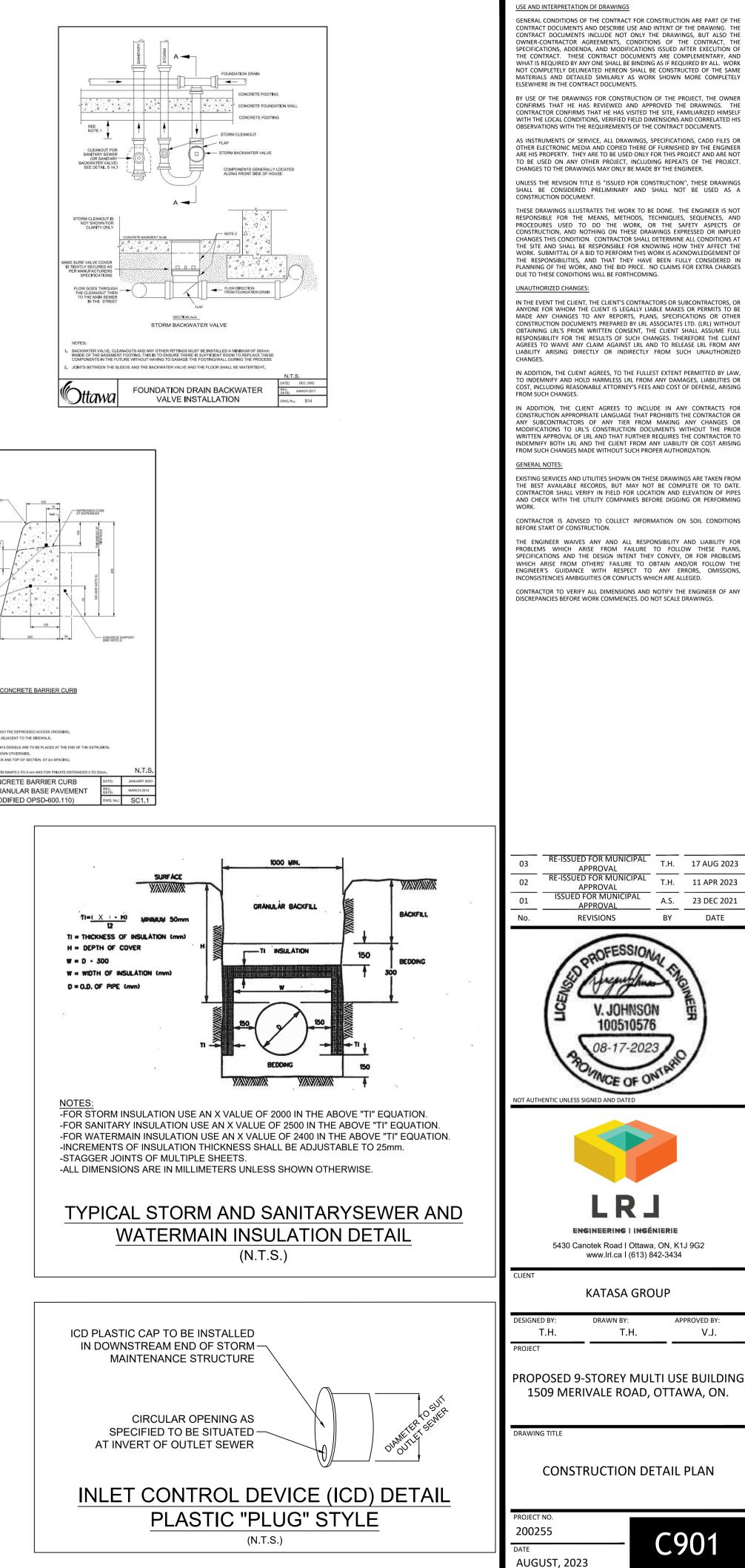








REV. MARCH 2016



NO. 18657