# SITE RE-DEVELOPMENT MACEWEN PETROLEUM INC 5546 ALBION RD S, OTTAWA



KEY PLAN (N.T.S.)



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NOT AUTHENTIC UNLESS SIGNED AND DATED

#### **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

#### <u>GENERAL</u>

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 EROSIC 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
- JURISDICTION.

#### MUD MAT NOTES

SEDIMENT DISPOSAL AREA.

- I. 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

- SITE GRADING NOTES
- EROSION CONTROL PLAN.
- RECOMMENDATIONS.
- OF CONSTRUCTION.
- AND OPSS 310.

- REQUIRED BY THE MUNICIPALITY
- SYMBOLS SHALL BE APPLIED WITH A MINIMUM OF TWO COATS OF ORGANIC SOLVENT PAINT.
- 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.
- SATISFACTION OF THE ENGINEER.

#### <u>SANITARY</u>

- STANDARD DRAWINGS (OPSD), AND SPECIFICATIONS (OPSS)
- AMENDMENT, UNLESS SPECIFIED OTHERWISE 12. EXISTING MAINTENANCE STRUCTURES TO BE RE-BENCHED WHERE A NEW CONNECTION IS MADE. 13. SANITARY GRAVITY SEWER TRENCH AND BEDDING SHALL BE PER CITY OF OTTAWA STD. S6 AND S7 CLASS 'B' BEDDING, UNLESS SPECIFIED
- 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.

#### STORM

DRAWING SSP-1.

- GASKETS AS PER CSA A257.3, OR LATEST AMENDMENT.
- SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
- 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
- EXCEEDED, THE CONTRACTOR IS REQUIRED TO PROVIDE AND SHALL BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS
- MADE NECESSARY BY THE WIDENED TRENCH
- APPLICABLE.
- 27. RIP-RAP TREATMENT SEWER AND CULVERT OUTLETS PER OPSD 810.010.

#### WATERMAIN

- 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.
- 38. THRUST BLOCKING OF WATERMAINS TO BE INSTALLED PER CITY OF OTTAWA STD. W25.3 AND W25.4.
- WATERMAIN
- THE SEWER.
- 44. GENERAL WATER PLANT TO UTILITY CLEARANCE AS PER STD DWG R20.

BACK FROM STUB

FINISHED GRADE AT HYDRANT; FIRE HYDRANT LOCATION AS PER STD DWG W18.

MUNICIPAL AND/OR PROVINCIAL REQUIREMENTS ARE FOLLOWED.

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

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 CONTROLLED AND TREATED SO AS NOT TO ADVERSELY EFFECT ENVIRONMENT. IT IS RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL

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 47. ALL WATERMAINS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES UNLESS

43. ALL WATERMAINS SHALL HAVE A MINIMUM COVER OR 2.4M, OTHERWISE THERMAL INSULATION IS REQUIRED AS PER STD DWG W22. 45. FIRE HYDRANT INSTALLATION AS PER STD DWG W19, ALL BOTTOM OF HYDRANT FLANGE ELEVATIONS TO BE INSTALLED 0.10M ABOVE PROPOSED

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

40. WATERMAIN CROSSING OVER AND BELOW SEWERS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. W25,2 AND W25, RESPECTIVELY. 41. WATER SERVICES ARE TO BE INSULATED PER CITY STD. W23 WHERE SEPARATION BETWEEN SERVICES AND MAINTENANCE HOLES ARE LESS THAN

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.

34. ALL PVC WATERMAINS, SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF 35. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS PER CITY OF OTTAWA STD.25.5 AND W25.6.

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

28. ALL STORM SEWER/ CULVERTS TO BE INSTALLED WITH FROST TREATMENT PER OPSD 803.031 WHERE APPLICABLE. 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.

25. ALL ROAD AND PARKING LOT CATCH BASINS TO BE INSTALLED WITH ORTHOGONALLY PLACED SUBDRAINS IN ACCORDANCE WITH DETAIL. 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

23. ALL CATCH BASIN LEAD INVERTS TO BE 1.5M BELOW FINISHED GRADE UNLESS SPECIFIED OTHERWISE. 24. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED ABOVE. WHERE THE SPECIFIED TRENCH WIDTH IS

18. ALL STORM SEWER TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. S6 AND S7 CLASS 'B' UNLESS OTHERWISE 19. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.

CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.1, OR LATEST AMENDMENT. PIPE SHALL BE JOINED WITH STD. RUBBER

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

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

11. ALL SANITARY GRAVITY SEWER SHALL BE PVC SDR 35, IPEX 'RING-TITE' (OR APPROVED EQUIVALENT) PER CSA STANDARD B182.2 OR LATEST

10. ALL SANITARY SEWER INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE CITY OF OTTAWA AND THE ONTARIO PROVINCIAL

407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF WEAR COURSE ASPHALT.

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

8. THE CONTRACTOR IS TO PROVIDE CCTV CAMERA INSPECTIONS OF ALL SEWERS, INCLUDING PICTORIAL REPORT, ONE (1) CD COPY AND TWO (2)

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

PLACED IN MAXIMUM 225MM LIFTS AND COMPACTED TO A MINIMUM OF 95% SPMDD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES 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

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

15. ROADWORK TO BE COMPLETED IN ACCORDANCE WITH GEOTECHNICAL REPORT, PREPARED BY LRL ASSOCIATES. DATED NOVEMBER 2020. 16. AL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND

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.

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

12. STEP JOINTS ARE TO BE USED WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT. ALL JOINTS MUST BE SEALED.

9. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE. IF 10. ALL PAVEMENT MARKING FEATURES AND SITE SIGNAGE SHALL BE PLACED PER ARCHITECTURAL SITE PLAN. LINE PAINTING AND DIRECTIONAL

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

INDICATED ON ARCHITECTURAL SITE PLAN. CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD SC1.4. ALL CURBS, 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

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

SE AND INTERPRETATION OF DRAWINGS

WNNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, T PECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF T INTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT EQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK NO OMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIA ND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE ONTRACT DOCUMENTS. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE

ONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WIT HE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS BSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

S INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OR OTHE LECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGINEER ARE HIS ROPERTY. 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 TH

RAWINGS MAY ONLY BE MADE BY THE ENGINEER.

INLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWING HALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION

THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND

ROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTIO

ND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED CHAN ONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AN

HALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBIL ND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND TH BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE

ORTHCOMING.

JNAUTHORIZED CHANGES: N THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, C YONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MAD NY CHANGES TO ANY REPORTS. PLANS. SPECIFICATIONS OR OTHER CONSTRUCTION OCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LR RIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR TH

ESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM GAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY O DIRECTLY FROM SUCH UNAUTHORIZED CHANGE N ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO

NDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR CO NCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM N ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FO

CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY UBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS L'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF L ND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND TH IENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITH UCH PROPER AUTHORIZATION.

SENERAL NOTES (ISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM

HE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE INTRACTOR SHALL VERIEV IN FIELD FOR LOCATION AND FLEVATION OF PIPES AN HECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE TART OF CONSTRUCTION.

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE ESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHE ALURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT NY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH AR

ONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF AN SCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS. OPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN OLLEBEKK LTD., IN APRIL 2022



05	ISSUED FOR APPROVAL	M.L.	15 NOV 2024
04	ISSUED FOR APPROVAL	M.L.	09 AUG 2024
03	ISSUED FOR APPROVAL	M.L.	10 APR 2024
02	ISSUED FOR APPROVAL	M.L.	13 DEC 2023
01	ISSUED FOR APPROVAL	M.L.	07 SEP 2023
No.	REVISIONS	BY	DATE





INGINEERING | INGÉNIERIE 5430 Canotek Road | Ottawa, ON, K1J 9G2 www.lrl.ca l (613) 842-3434

MACEWEN PETROLEUM INC. **18 ADELAIDE STREET, MAXVILLE, ON** DRAWN BY APPROVED BY

M.L. M.B. M.L

SITE RE-DEVELOPMENT MACEWEN ALBION 5546 ALBION RD S, GLOUCESTER, ON

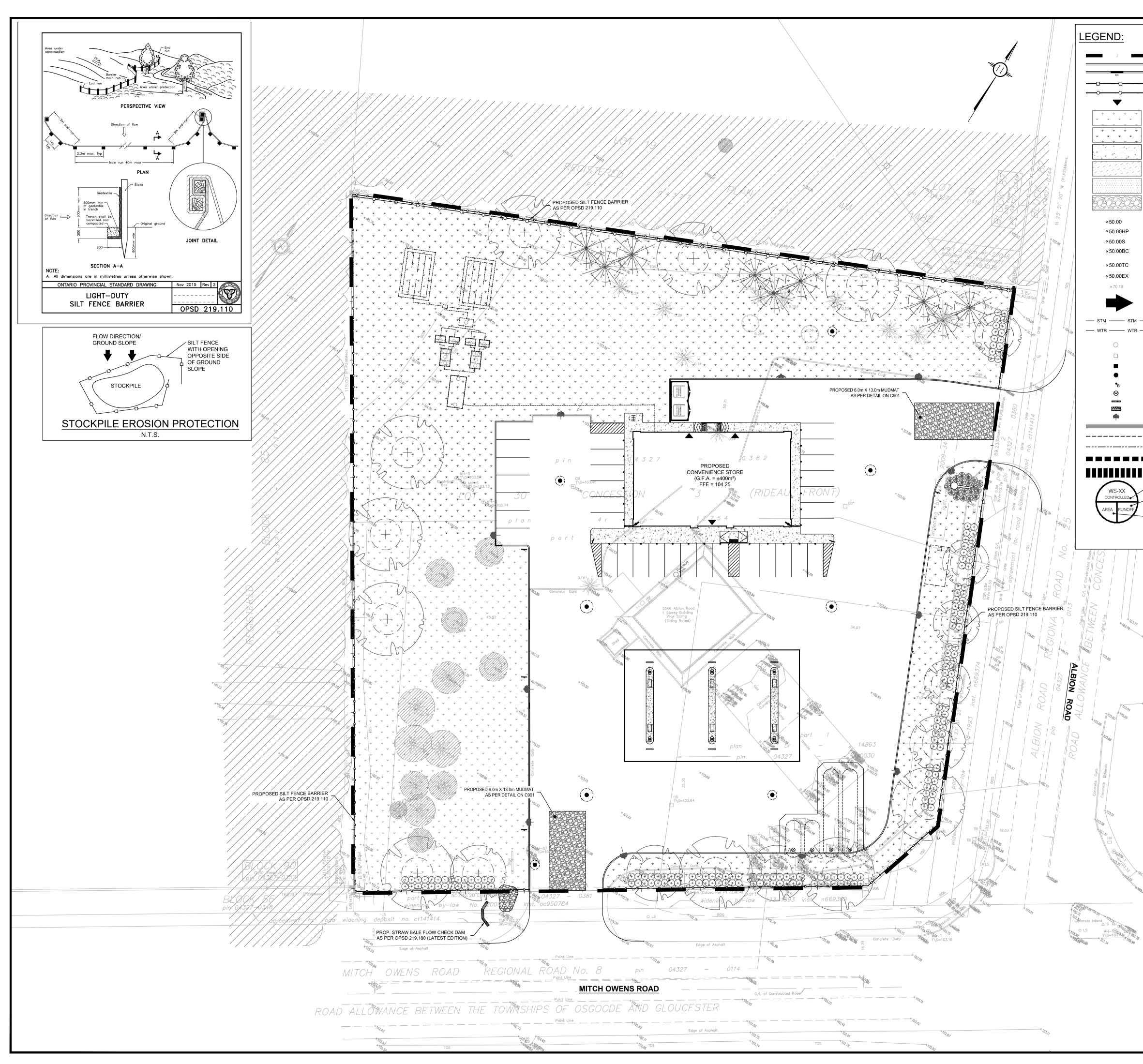
DRAWING TITLE

### **GENERAL NOTES**

PROJECT NC

01348

**APRIL 2022** 



		USE AND INTERPRETATION OF DRAWINGS
	EXISTING PROPERTY LINE TO REMAIN PROPOSED CURB PROPOSED DEPRESSED CURB PROPOSED SILT FENCE AS PER OPSD 219.110	GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE 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 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
	PROPOSED FENCE PROPOSED DOOR ENTRANCE/EXIT	BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER 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 OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
↓ ↓ ↓ , ↓ <u>↓</u>	EXISTING GRASS TO REMAIN	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.
¥ ¥	(100mm TOP SOIL & SOD) PROPOSED CONCRETE FEATURES/SLAB	UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
<u></u> A	PROPOSED HEAVY DUTY ASPHALT	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 CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND
	PROPOSED LIGHT DUTY ASPHALT	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 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:
IP	PROPOSED ELEVATION PROPOSED HIGH POINT ELEVATION	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S
;	PROPOSED SWALE ELEVATION	PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM
C	PROPOSED BOTTOM OF CURB	AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.
C	/ ASPHALT ELEVATION PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM
X	MATCH INTO EXISTING ELEVATION	SUCH CHANGES.
	EXISTING ELEVATION PROPOSED OVERLAND MAJOR FLOW ROUTE	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'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.
stm —	PROPOSED STORM SEWER	GENERAL NOTES:
wtr —	PROPOSED WATER SERVICE	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 AND
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	EXISTING CATCHBASIN	START OF CONSTRUCTION.
	PROPOSED CATCHBASIN	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE
	PROPOSED MANHOLE CATCHBASIN MANHOLE PROPOSED BOLLARD	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
	PROPOSED CURB STOP	ALLEGED.
	PROPOSED TRENCH DRAIN	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
	PROPOSED TACTILE STRIP	TOPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN
		VOLLEBEKK LTD., IN APRIL 2022.
	PROPOSED PIPE INSULATION PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103.85)	5m 2 0 5 10m
	PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.80)	SCALE: 1:300
	STORM WATERSHED EXTENT	
	PEDESTRIAN CROSSING ASPHALT PAVEMENT MARKINGS	
$\searrow$	WATERSHED NAME	
	-RUNOFF COEFFICIENT	SUBJECT TO APPROVAL
NOFF	- AREA IN HECTARES	APPING

JSE AND INTERPRETATION OF DRAWINGS

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NOT AUTHENTIC UNLESS SIGNED AND DATED



5430 Canotek Road | Ottawa, ON, K1J 9G2 www.lrl.ca | (613) 842-3434

 CLIENT

 MACEWEN PETROLEUM INC.

 18 ADELAIDE STREET, MAXVILLE, ON

 DESIGNED BY:
 DRAWN BY:
 APPROVED BY:

 M.L.
 M.L.
 M.B.

#### SITE RE-DEVELOPMENT MACEWEN ALBION 5546 ALBION RD S, GLOUCESTER, ON

### EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO.

APRIL 2022

01348

DATE

DRAWING TITLE

PROJECT



		USE AND INTERPRETATION OF DRAWINGS
	EXISTING PROPERTY LINE TO REMAIN PROPOSED CURB PROPOSED DEPRESSED CURB	GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE 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 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.
	PROPOSED SILT FENCE AS PER OPSD 219.110 PROPOSED FENCE PROPOSED DOOR ENTRANCE/EXIT	BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILLARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
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	PROPOSED GRASS AREA (100mm TOP SOIL & SOD)	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 SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION
	PROPOSED CONCRETE FEATURES/SLAB	DOCUMENT. THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT
	PROPOSED HEAVY DUTY ASPHALT	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 CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND
	PROPOSED LIGHT DUTY ASPHALT	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 PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.
<u>i</u>	PROPOSED RIP RAP	UNAUTHORIZED CHANGES:
	PROPOSED ELEVATION PROPOSED HIGH POINT ELEVATION	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE
	PROPOSED SWALE ELEVATION PROPOSED BOTTOM OF CURB	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 CHANGES.
	/ ASPHALT ELEVATION PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM
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	EXISTING ELEVATION PROPOSED OVERLAND MAJOR FLOW ROUTE	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'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.
	PROPOSED STORM SEWER	GENERAL NOTES:
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	PROPOSED TACTILE STRIP PROPOSED LIGHT STANDARD	TOPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN VOLLEBEKK LTD., IN APRIL 2022.
	PROPOSED PIPE INSULATION	5m 2 0 5 10m
	PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103.85)	
	PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.80)	SCALE: 1:300
	STORM WATERSHED EXTENT	
	PEDESTRIAN CROSSING ASPHALT PAVEMENT MARKINGS	
_	- WATERSHED NAME	
-	-RUNOFF COEFFICIENT	SUBJECT TO APPROVAL
	- AREA IN HECTARES	APPING

USE AND INTERPRETATION OF DRAWINGS

05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 202301ISSUED FOR APPROVALM.L.07 SEP 2023No.REVISIONSBYDATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



5430 Canotek Road | Ottawa, ON, K1J 9G2 www.lrl.ca | (613) 842-3434

CLIENT MACEWEN PETROLEUM INC. 18 ADELAIDE STREET, MAXVILLE, ON DESIGNED BY: DRAWN BY: APPROVED BY: M.L. M.L. M.B.

PROJECT SITE RE-DEVELOPMENT MACEWEN ALBION 5546 ALBION RD S, GLOUCESTER, ON

DEMOLITION PLAN

PROJECT NO.

DRAWING TITLE

01348 Date

APRIL 2022





### **CONSULTANTS**

#### PLANNER

Jonah Bonn First Bay Properties Inc. 311 Richmond Road, Suite 301, Ottawa

#### SITE ENGINEERING

Maxime Longtin LRL Engineering Ltd. 5430 Canotek Rd, Ottawa

#### ARCHITECT

Ian Wilson McRobie Architects - Interior Designers Suite 100, 66 Queen Street, Ottawa

#### SURVEYOR

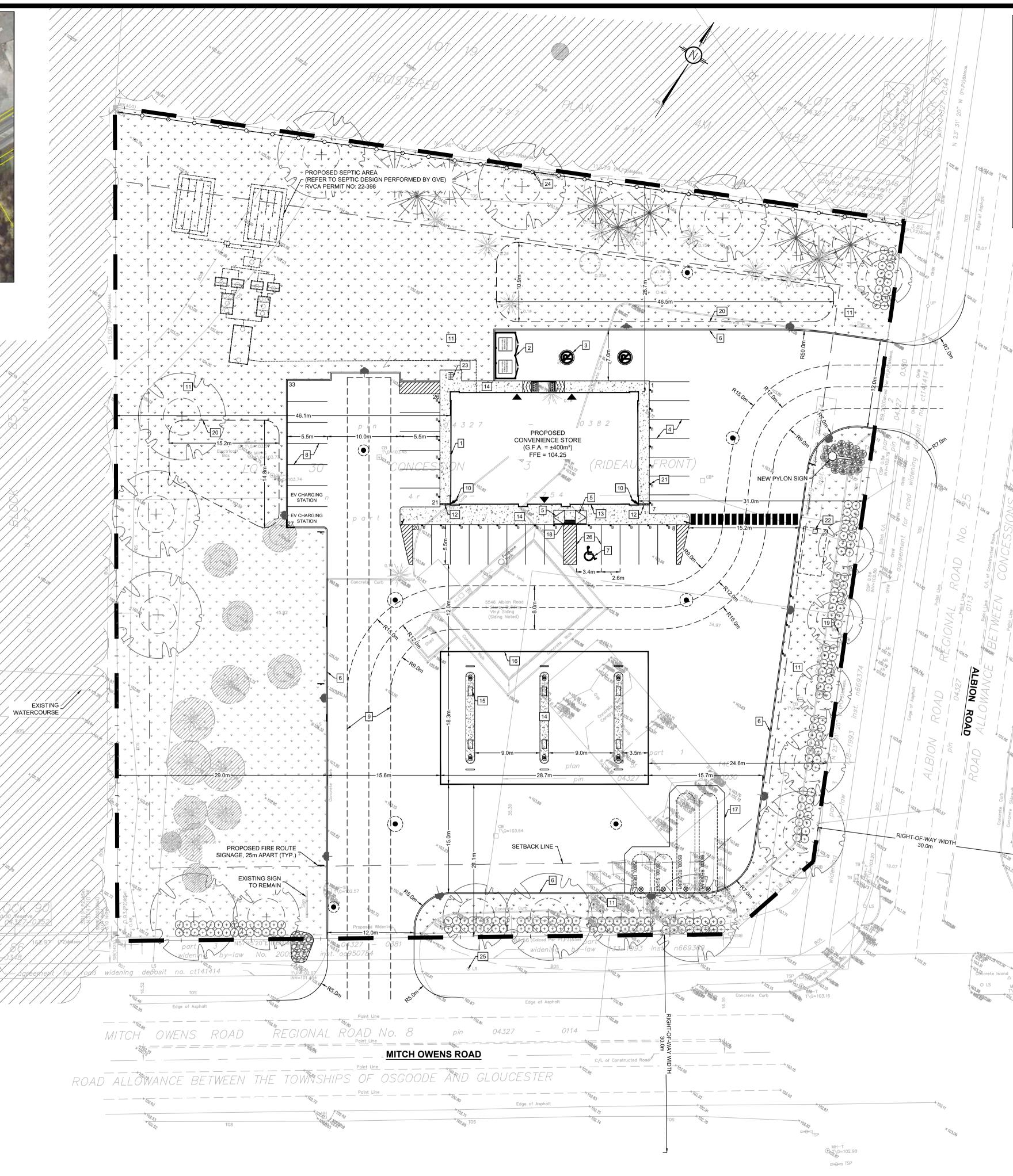
Ed Herweyer Annis O'Sullivan Vollebekk Ltd. 14 Concourse Gate, Suite 500, Nepean

The property information was derived from the topographical survey prepared by Annis, O'Sullivan, Vollebekk LTD. prepared in April 2022.

PART OF LOT 30, CONCESSION 3 (RIDEAU FRONT) GEOGRAPHIC TOWNSHIP OF GLOUCESTER CITY OF OTTAWA

### LEGEND:

	EXISTING PROPERTY LINE TO REMAIN
	PROPOSED CURB
DC	PROPOSED DEPRESSED CURB
	PROPOSED SILT FENCE AS PER OPSD 219.110
	PROPOSED FENCE
$\bullet$	PROPOSED DOOR ENTRANCE/EXIT
Ψ Ψ Ψ Ψ Ψ Ψ Ψ Ψ Υ	EXISTING GRASS TO REMAIN
	PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
	PROPOSED CONCRETE FEATURES/SLAB
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED LIGHT DUTY ASPHALT
	PROPOSED RIP RAP
×50.00	PROPOSED ELEVATION
×50.00HP	PROPOSED HIGH POINT ELEVATION
×50.00S	PROPOSED SWALE ELEVATION
×50.00BC	PROPOSED BOTTOM OF CURB
×50.00TC	/ ASPHALT ELEVATION PROPOSED TOP OF CURB ELEVATION
×50.00EX	
×70.19	EXISTING ELEVATION
	PROPOSED OVERLAND MAJOR FLOW ROUTE
— stm —— stm —	PROPOSED STORM SEWER
— wtr —— wtr —	PROPOSED WATER SERVICE
0	EXISTING MANHOLE
	EXISTING CATCHBASIN
	PROPOSED CATCHBASIN
•	PROPOSED MANHOLE CATCHBASIN MANHOLE
●B	PROPOSED BOLLARD
$\otimes$	PROPOSED CURB STOP
	PROPOSED TRENCH DRAIN PROPOSED TACTILE STRIP
	PROPOSED LIGHT STANDARD
-†-	PROPOSED PIPE INSULATION
	PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103
	PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.8
	STORM WATERSHED EXTENT
	PEDESTRIAN CROSSING ASPHALT PAVEMENT MARKIN
WS-XX	- WATERSHED NAME
CONTROLLED	-RUNOFF COEFFICIENT
	— AREA IN HECTARES



DETAILS OF DEVELOPMENT				
DA	ТА	REQUIRED	PROVIDED	
ZONING		RC2		
SETBACKS	FY	10.0m	21.2m	
	RY	10.0m	28.7m	
	INT.SY	4.5m	44.6m	
	EXT.SY	7.5m	24.6m	
NET LOT AREA ( s	sqm )	2,000 sqm	10,844 sqm	
BUILDING COVEF	RAGE	30 % (MAX)	3.7 %	
BUILDING HEIGH	Т	11.0 m (MAX)	7.2 m	
GROSS FLOOR A	REA	400	sqm	
No. of UNITS (CO	MMERCIAL)		1	
LOADING SPACE	S	0	1	
PARKING:		13 + 1 HC	32 + 1 HC	
LANDSCAPE BUF	FER	15% MIN.	42% MIN.	
No. OF STOREYS			1	
OTHER:				

# SITE PLAN NOTES:

5	TE FLAN NOTES.
1.	PROPOSED CONVENIENCE STORE
2.	PROPOSED GARBAGE ENCLOSURE
3.	PROPOSED NO PARKING AREA FOR GARBAGE & LOADING AREA (WITH NO PARKING SIGNS/PAVEMENT MARKINGS)
4.	PROPOSED PAVEMENT MARKINGS
5.	PROPOSED ACCESSIBLE RAMP 1:12
6.	PROPOSED CONCRETE BARRIER CURB AS PER OPSD 600.110
7.	PROPOSED ACCESSIBLE PARKING C/W PAINTED BLUE BACKGROUND
8.	PROPOSED PARKING
9.	FIRE ROUTE
10.	PROPOSED ROOF DRAINAGE DOWNSPOUT LOCATION
11.	PROPOSED 100mm TOP SOIL & SOD. (CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE NECESSARY TURF MAINTENANCE TO OPTIMIZE GROWTH OF THE SEED OR SOD FOR THE FIRST 30 DAYS, OR UNTIL THE FIRST CUT.)
12.	PRE-SLOPED POLYPROPYLENE TRENCH DRAIN SYSTEMS WITH DUCTILE IRON FRAMES AT DOWNSPOUT LOCATIONS AROUND PROPOSED BUILDING (SEE DETAIL ON C901)
13.	30 x 45 cm "ACCESSIBLE PARKING PERMIT" SIGN (Rb-93) AS PER MTO BOOK 5 AND AS PER SECTION 11 OF THE ONTARIO REGULATION 581/90. SIGN TO BE MOUNTED ON BUILDING WALL
14.	PROPOSED CONCRETE FEATURES / SIDEWALK / PUMP ISLAND
15.	PROPOSED CAR FILL-UP STATION
16.	18.3m X 28.7m CANOPY OVER CONCRETE APRON
17.	PROPOSED UNDERGROUND TANK LOCATION
18.	PROPOSED TACTILE ATTENTION INDICATOR. DEPTH SHALL BE NOT LESS THAN 300mm AND NOT MORE THAN 610mm. SHALL CONFORM TO CLAUSES 4.1.1. AND 4.1.2. OF ISO 23599, "ASSISTIVE PRODUCTS FOR BLIND AND VISION-IMPAIRED PERSONS - TACTILE WALKING SURFACE INDICATORS"
19.	EXISTING WELL TO REMAIN
20.	SNOW STORAGE AREA
21.	PROPOSED BOLLARD
22.	PROPOSED FIRE PROTECTION TANK (55,000L) WITH DETAILS ATTACHED ON C902
23.	PROPOSED BIKE RACK PER DETAIL ON C902
24.	PROPOSED 1.5m WOODED PRIVACY FENCE
25.	EXISTING POLE WITH BUS STOP SIGNAGE TO REMAIN
26.	PROPOSED ACCESSIBLE PARKING SPACES

#### ISE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE 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 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 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 OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

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 SHALL 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 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 PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

#### UNAUTHORIZED CHANGES:

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL 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 CHANGES.

IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO 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 CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'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.

#### GENERAL NOTES:

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 AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK. 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. TOPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN VOLLEBEKK LTD., IN APRIL 2022.

5m 2 0 5 10m SCALE: 1:300



05	ISSUED FOR APPROVAL	M.L.	15 NOV 2024
04	ISSUED FOR APPROVAL	M.L.	09 AUG 2024
03	ISSUED FOR APPROVAL	M.L.	10 APR 2024
02	ISSUED FOR APPROVAL	M.L.	13 DEC 2023
01	ISSUED FOR APPROVAL	M.L.	07 SEP 2023
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



5430 Canotek Road | Ottawa, ON, K1J 9G2 www.lrl.ca | (613) 842-3434

LIENT MACEWEN PETROLEUM INC. 18 ADELAIDE STREET, MAXVILLE, ON ESIGNED BY: DRAWN BY: APPROVED BY: M.L. M.L. M.B.

PROJECT

#### SITE RE-DEVELOPMENT MACEWEN ALBION 5546 ALBION RD S, GLOUCESTER, ON

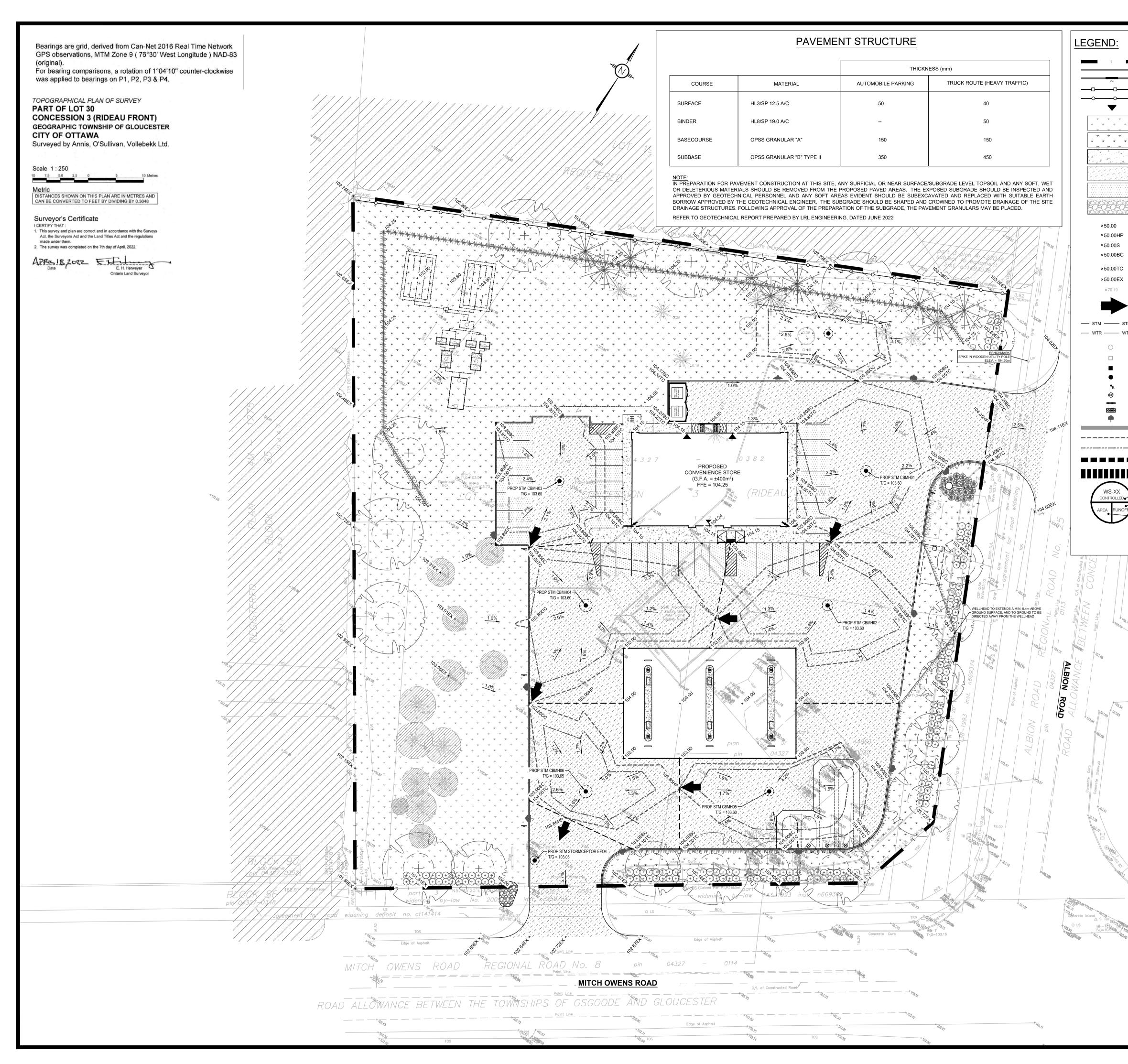
DRAWING TITLE

### SITE DEVELOPMENT PLAN

DATE APRIL 2022

PROJECT NO. 01348





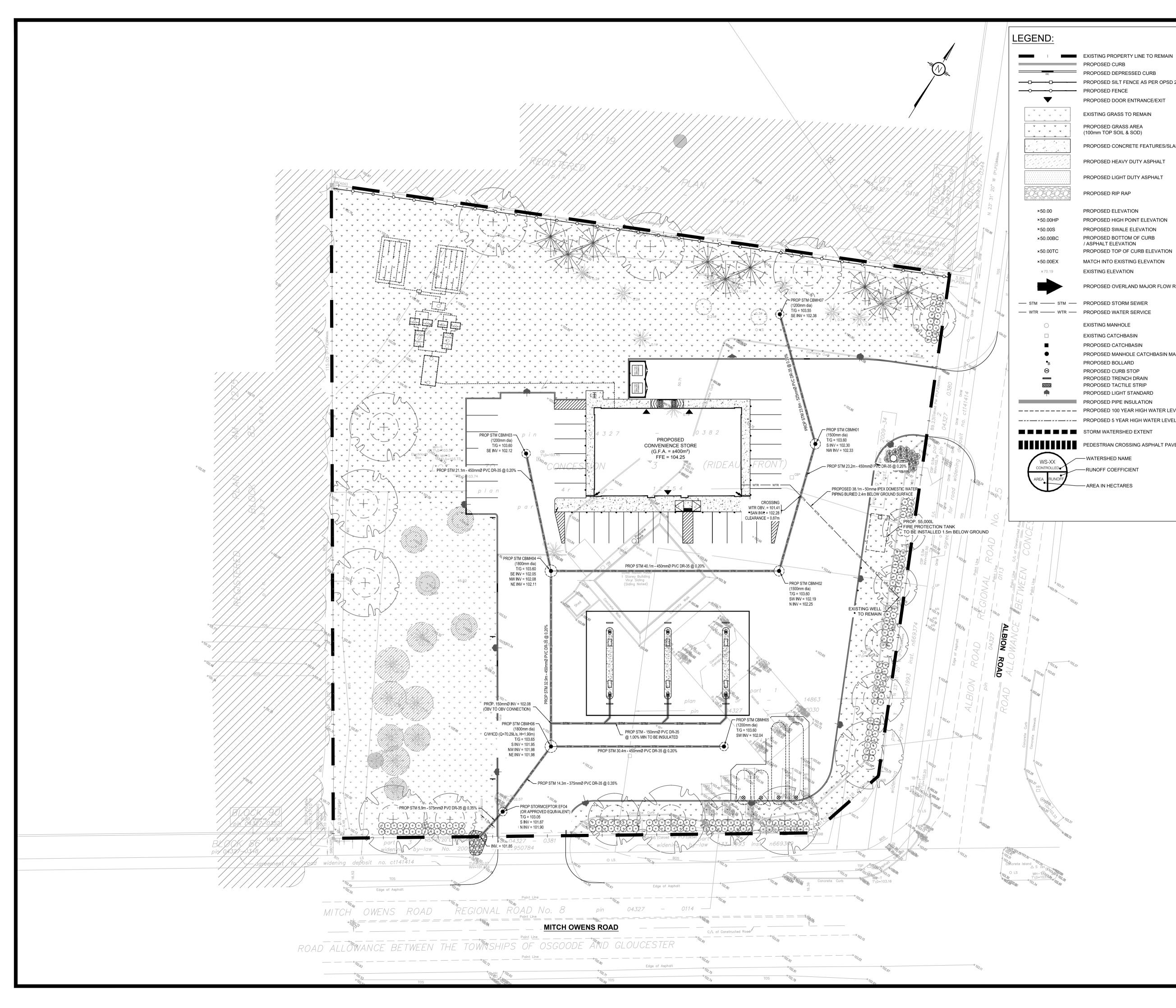
		USE AND INTERPRETATION OF DRAWINGS GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE
		CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE
	EXISTING PROPERTY LINE TO REMAIN PROPOSED CURB	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
	PROPOSED DEPRESSED CURB PROPOSED SILT FENCE AS PER OPSD 219.110	CONTRACT DOCUMENTS. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER
	PROPOSED FENCE PROPOSED DOOR ENTRANCE/EXIT	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 OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
* * ·	EXISTING GRASS TO REMAIN	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
* * *	PROPOSED GRASS AREA (100mm TOP SOIL & SOD)	ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.
. Ч 	PROPOSED CONCRETE FEATURES/SLAB	UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.
4	PROPOSED HEAVY DUTY ASPHALT	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,
	PROPOSED LIGHT DUTY ASPHALT	AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED 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,
	PROPOSED RIP RAP	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. UNAUTHORIZED CHANGES:
	PROPOSED ELEVATION	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE
)	PROPOSED HIGH POINT ELEVATION PROPOSED SWALE ELEVATION	ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM
;	PROPOSED SWALE ELEVATION PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION	AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.
;	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.
(	MATCH INTO EXISTING ELEVATION EXISTING ELEVATION	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY
	PROPOSED OVERLAND MAJOR FLOW ROUTE	SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'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
sтм —	PROPOSED STORM SEWER	SUCH PROPER AUTHORIZATION. <u>GENERAL NOTES:</u>
WTR —	PROPOSED WATER SERVICE	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 AND
	EXISTING MANHOLE	CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.
	PROPOSED CATCHBASIN	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE
	PROPOSED MANHOLE CATCHBASIN MANHOLE PROPOSED BOLLARD	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.
	PROPOSED CURB STOP PROPOSED TRENCH DRAIN	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
	PROPOSED TACTILE STRIP PROPOSED LIGHT STANDARD	TOPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN VOLLEBEKK LTD., IN APRIL 2022.
	PROPOSED PIPE INSULATION PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103.85)	5m 2 0 5 10m
	PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.80)	SCALE: 1:300
	STORM WATERSHED EXTENT	
	PEDESTRIAN CROSSING ASPHALT PAVEMENT MARKINGS	SUBJECT TO APPROVAL
X	-RUNOFF COEFFICIENT	SUBJECT
DFF		ADPRUVI I
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	- AREA IN HECTARES	05 ISSUED FOR APPROVAL M.L. 15 NOV 2024
193 -	- AREA IN HECTARES	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 202301ISSUED FOR APPROVALM.L.07 SEP 2023
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103.77 * 103.62	- AREA IN HECTARES	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 202301ISSUED FOR APPROVALM.L.07 SEP 2023No.REVISIONSBYDATE
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	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
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* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE         INOUTION OF CONTRACT         No.       REVISIONS       BY       DATE         INOUTION OF CONTRACT         NO.       REVISIONS       BY       DATE
* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE         MOTOSCOP CONTINUES         NO.         NO.         REVISIONS         NO.          NO.
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* 103.62	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE         INDECOMPTION INCLUSIONS         NOT AUTHENTIC UNLESS SIGNED AND DATE         INDECOMPTION INCLUSION I
* 103.62	- AREA IN HECTARES	05       SSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE         OUTE         OUTE </th
* 103.62 * 103.55 * 103.55	- AREA IN HECTARES	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE         OUT AUTHENTIC UMLESS SIGNED AND DATE         NOT AUTHENTIC UMLESS SIGNED AND DATE         COT AUTHENTIC UMLESS SIGNED AND DATE         DATE         OUT AUTHENTIC UMLESS SIGNED AND DATE         DATE </th
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PROJECT NO **01348** 

APRIL 2022

DATE

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	EXISTING PROPERTY LINE TO REMAIN PROPOSED CURB PROPOSED DEPRESSED CURB	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.
	PROPOSED SILT FENCE AS PER OPSD 219.110	BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER
	PROPOSED FENCE	CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH
	PROPOSED DOOR ENTRANCE/EXIT	THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
¥ , ,	EXISTING GRASS TO REMAIN	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
*	PROPOSED GRASS AREA (100mm TOP SOIL & SOD)	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 CONSTRUCTION
4	PROPOSED CONCRETE FEATURES/SLAB	DOCUMENT. THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT
	PROPOSED HEAVY DUTY ASPHALT	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 CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF
····	PROPOSED LIGHT DUTY ASPHALT	A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF 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.
Ì	PROPOSED RIP RAP	UNAUTHORIZED CHANGES:
-		UNAUTHORIZED CHANGES: IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR
	PROPOSED ELEVATION	ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION
	PROPOSED HIGH POINT ELEVATION	DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE
	PROPOSED SWALE ELEVATION	RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR
	PROPOSED BOTTOM OF CURB	INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.
	/ ASPHALT ELEVATION PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST,
		INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.
	MATCH INTO EXISTING ELEVATION	IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR
	EXISTING ELEVATION PROPOSED OVERLAND MAJOR FLOW ROUTE	CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'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.
м —	PROPOSED STORM SEWER	GENERAL NOTES:
R —	PROPOSED WATER SERVICE	EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM
	EXISTING MANHOLE	THE 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 WORK.
	EXISTING CATCHBASIN	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.
	PROPOSED CATCHBASIN	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS
	PROPOSED MANHOLE CATCHBASIN MANHOLE	WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS'
	PROPOSED BOLLARD	FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE
	PROPOSED CURB STOP	ALLEGED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY
		DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
	PROPOSED TACTILE STRIP	TOPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN VOLLEBEKK LTD., IN APRIL 2022.
	PROPOSED PIPE INSULATION PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103.85)	5m 2 0 5 10m
		SCALE: 1:300
	PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.80)	
	STORM WATERSHED EXTENT	
	PEDESTRIAN CROSSING ASPHALT PAVEMENT MARKINGS	LECT TO
$\checkmark$	- WATERSHED NAME	I URIEU II
	-RUNOFF COEFFICIENT	SUBJECT TO APPROVAL
	— AREA IN HECTARES	APPING

JSE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THI CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THI CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THI OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THI SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THI

05 ISSUED FOR APPROVAL M.L. 15 NOV 2024 04 ISSUED FOR APPROVAL M.L. 09 AUG 2024 03 ISSUED FOR APPROVAL M.L. 10 APR 2024 M.L. 13 DEC 2023 02 ISSUED FOR APPROVAL M.L. 07 SEP 2023 01 ISSUED FOR APPROVAL BY DATE No. REVISIONS



NOT AUTHENTIC UNLESS SIGNED AND DATED



5430 Canotek Road I Ottawa, ON, K1J 9G2 www.lrl.ca I (613) 842-3434

CLIENT MACEWEN PETROLEUM INC. 18 ADELAIDE STREET, MAXVILLE, ON DESIGNED BY: DRAWN BY: APPROVED BY:

M.B. M.L. M.L. PROJECT SITE RE-DEVELOPMENT MACEWEN ALBION

## 5546 ALBION RD S, GLOUCESTER, ON

DRAWING TITLE

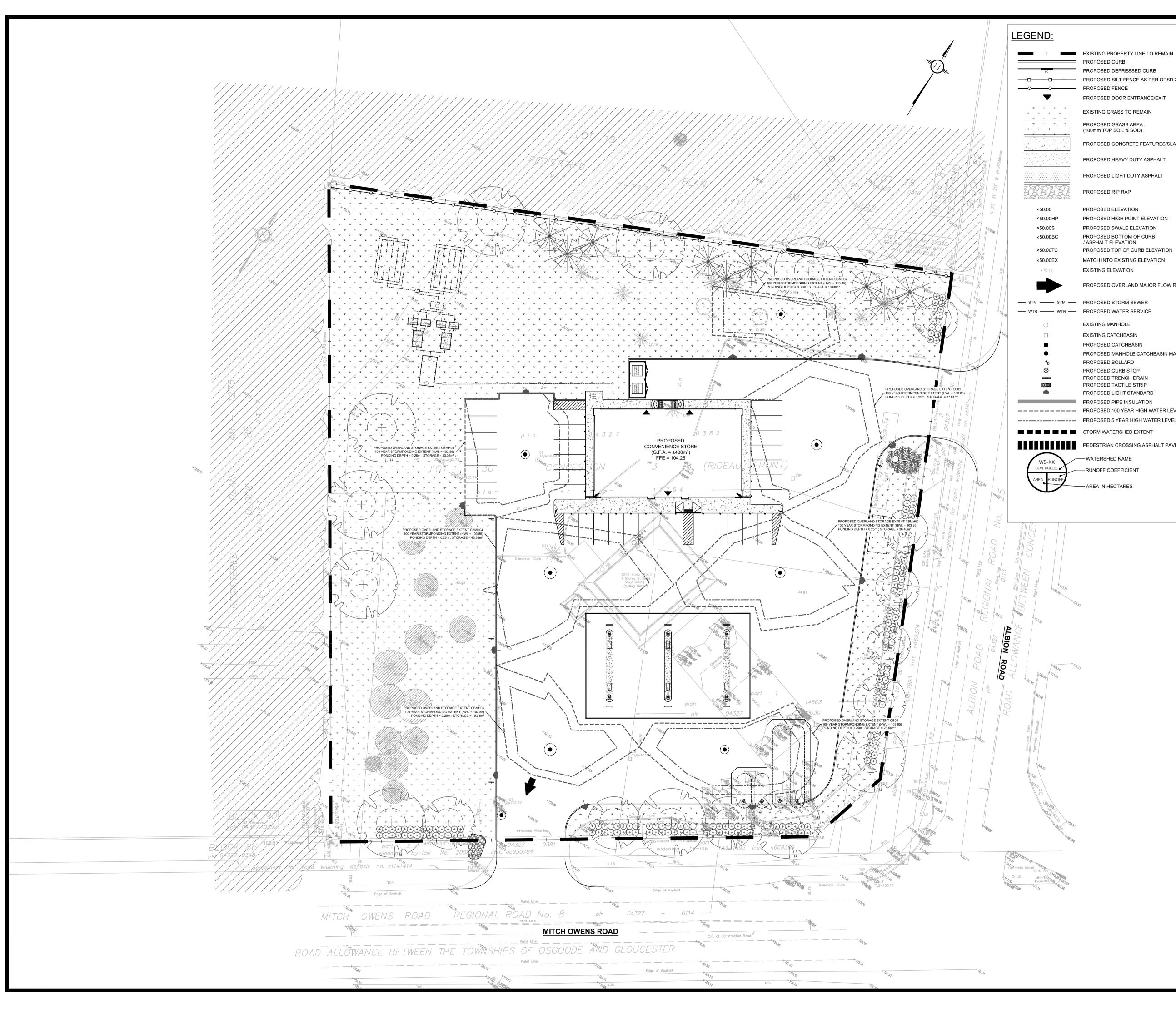
### SERVICING PLAN

PROJECT NO.

DATE

01348

APRIL 2022



		CONTRACT. THESE CONTRACT DOCON
	PROPOSED CURB	REQUIRED BY ANY ONE SHALL BE BIN COMPLETELY DELINEATED HEREON SHAL
	PROPOSED DEPRESSED CURB	AND DETAILED SIMILARLY AS WORK SHO CONTRACT DOCUMENTS.
	PROPOSED SILT FENCE AS PER OPSD 219.110	BY USE OF THE DRAWINGS FOR CON CONFIRMS THAT HE HAS REVIEWED
	PROPOSED FENCE	CONTRACTOR CONFIRMS THAT HE HAS NEVEWED CONTRACTOR CONFIRMS THAT HE HAS N THE LOCAL CONDITIONS, VERIFIED
	PROPOSED DOOR ENTRANCE/EXIT	OBSERVATIONS WITH THE REQUIREMEN
↓ ↓ ` ↓	EXISTING GRASS TO REMAIN	AS INSTRUMENTS OF SERVICE, ALL DRAV ELECTRONIC MEDIA AND COPIED THER PROPERTY. THEY ARE TO BE USED ONLY ON ANY OTHER PROJECT, INCLUDING R
*	PROPOSED GRASS AREA	DRAWINGS MAY ONLY BE MADE BY THE
	(100mm TOP SOIL & SOD)	UNLESS THE REVISION TITLE IS "ISSUE SHALL BE CONSIDERED PRELIMINARY AI
4	PROPOSED CONCRETE FEATURES/SLAB	DOCUMENT.
	PROPOSED HEAVY DUTY ASPHALT	THESE DRAWINGS ILLUSTRATES THE W RESPONSIBLE FOR THE MEANS, M PROCEDURES USED TO DO THE WORK, AND NOTHING ON THESE DRAWING
	PROPOSED LIGHT DUTY ASPHALT	CONDITION. CONTRACTOR SHALL DET SHALL BE RESPONSIBLE FOR KNOWING H A BID TO PERFORM THIS WORK IS ACI AND THAT THEY HAVE BEEN FULLY CONS BID PRICE. NO CLAIMS FOR EXTRA CH
	PROPOSED RIP RAP	FORTHCOMING.
2-52		IN THE EVENT THE CLIENT, THE CLIENT
	PROPOSED ELEVATION	ANYONE FOR WHOM THE CLIENT IS LEG ANY CHANGES TO ANY REPORTS, PLANS
	PROPOSED HIGH POINT ELEVATION	DOCUMENTS PREPARED BY LRL ASSOC PRIOR WRITTEN CONSENT, THE CLIENT
	PROPOSED SWALE ELEVATION	RESULTS OF SUCH CHANGES. THEREFOR AGAINST LRL AND TO RELEASE LRL I
	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION	INDIRECTLY FROM SUCH UNAUTHORIZED
	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES, TO INDEMNIFY AND HOLD HARMLESS LRL INCLUDING REASONABLE ATTORNEY'S F
	MATCH INTO EXISTING ELEVATION	SUCH CHANGES.
	EXISTING ELEVATION	IN ADDITION, THE CLIENT AGREES CONSTRUCTION APPROPRIATE LANGUAG SUBCONTRACTORS OF ANY TIER FROM N
	PROPOSED OVERLAND MAJOR FLOW ROUTE	LRL'S CONSTRUCTION DOCUMENTS WIT AND THAT FURTHER REQUIRES THE COT CLIENT FROM ANY LIABILITY OR COST AF SUCH PROPER AUTHORIZATION.
тм —	PROPOSED STORM SEWER	GENERAL NOTES:
/TR —	PROPOSED WATER SERVICE	EXISTING SERVICES AND UTILITIES SHO THE BEST AVAILABLE RECORDS, BUT
	EXISTING MANHOLE	CONTRACTOR SHALL VERIFY IN FIELD FO CHECK WITH THE UTILITY COMPANIES BE
	EXISTING CATCHBASIN	CONTRACTOR IS ADVISED TO COLLECT START OF CONSTRUCTION.
	PROPOSED CATCHBASIN	THE ENGINEER WAIVES ANY AND ALL R
	PROPOSED MANHOLE CATCHBASIN MANHOLE	WHICH ARISE FROM FAILURE TO FOLL DESIGN INTENT THEY CONVEY, OR FO
	PROPOSED BOLLARD	FAILURE TO OBTAIN AND/OR FOLLOW T ANY ERRORS, OMISSIONS, INCONSISTEN ALLEGED.
	PROPOSED CURB STOP	CONTRACTOR TO VERIFY ALL DIMENS
	PROPOSED TRENCH DRAIN	DISCREPANCIES BEFORE WORK COMMEN
	PROPOSED TACTILE STRIP PROPOSED LIGHT STANDARD	TOPOGRAPHICAL SURVEY FOR THIS PRO VOLLEBEKK LTD., IN APRIL 2022.
	PROPOSED LIGHT STANDARD PROPOSED PIPE INSULATION	
	PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103.85)	5m 2 0
	= 100 + 000 + 000 + 000 + 000 = 1000 + 000 + 00000 + 0000 + 0000 + 0000 + 0000 + 0000 + 0000 + 0000 + 00000 + 0000 + 0000 + 00000 + 00000 + 00000 + 0000 + 0000 + 0000 + 00000 + 00000 + 00000 + 000	

---- PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.80) STORM WATERSHED EXTENT

- WATERSHED NAME -RUNOFF COEFFICIENT

- AREA IN HECTARES

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THI ONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. 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 THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT BINDING AS IF REQUIRED BY ALL. WORK NOT SHALL BE CONSTRUCTED OF THE SAME MATERIALS SHOWN MORE COMPLETELY ELSEWHERE IN THI

CONSTRUCTION OF THE PROJECT, THE OWNER WED AND APPROVED THE DRAWINGS. THE IAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH ED FIELD DIMENSIONS AND CORRELATED HIS MENTS OF THE CONTRACT DOCUMENTS.

AWINGS, SPECIFICATIONS, CADD FILES OR OTHEF HERE OF FURNISHED BY THE ENGINEER ARE HIS INLY FOR THIS PROJECT AND ARE NOT TO BE USED IG REPEATS OF THE PROJECT. CHANGES TO THE E ENGINEER.

SSUED FOR CONSTRUCTION", THESE DRAWINGS Y AND SHALL NOT BE USED AS A CONSTRUCTION

IE WORK TO BE DONE. THE ENGINEER IS NOT METHODS, TECHNIQUES, SEQUENCES, AND IRK, OR THE SAFETY ASPECTS OF CONSTRUCTION, IN THE SALETT ASTECTS OF CONSTRUCTION IN SECTION AND A SALETT ASTECTS OF CONSTRUCTION STATES AND A SALETT ASTECTS OF CONSTRUCTION ETERMINE ALL CONDITIONS AT THE SITE AND G HOW THEY AFFECT THE WORK. SUBMITTAL OF ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, DNSIDERED IN PLANNING OF THE WORK, AND THE CHARGES DUE TO THESE CONDITIONS WILL BE

ENT'S CONTRACTORS OR SUBCONTRACTORS. C LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANS, SPECIFICATIONS OR OTHER CONSTRUCTION CIATES LTD. (LRL) WITHOUT OBTAINING LRL'S T SHALL ASSUME FULL RESPONSIBILITY FOR THI FORE THE CLIENT AGREES TO WAIVE ANY CLAIM RL FROM ANY LIABILITY ARISING DIRECTLY OR ZED CHANGES.

O THE FULLEST EXTENT PERMITTED BY LAW, TO RL FROM ANY DAMAGES, LIABILITIES OR COST, S FEES AND COST OF DEFENSE, ARISING FROM

ES TO INCLUDE IN ANY CONTRACTS FOR JAGE THAT PROHIBITS THE CONTRACTOR OR ANY M MAKING ANY CHANGES OR MODIFICATIONS TO WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL CONTRACTOR TO INDEMNIFY BOTH LRL AND THI ARISING FROM SUCH CHANGES MADE WITHOUT

SHOWN ON THESE DRAWINGS ARE TAKEN FROM BUT MAY NOT BE COMPLETE OR TO DATE. D FOR LOCATION AND ELEVATION OF PIPES AND BEFORE DIGGING OR PERFORMING WORK. INFORMATION ON SOIL CONDITIONS BEFORE

L RESPONSIBILITY AND LIABILITY FOR PROBLEMS LLOW THESE PLANS, SPECIFICATIONS AND THE FOR PROBLEMS WHICH ARISE FROM OTHERS W THE ENGINEER'S GUIDANCE WITH RESPECT TO STENCIES AMBIGUITIES OR CONFLICTS WHICH ARE

ENSIONS AND NOTIFY THE ENGINEER OF ANY IENCES. DO NOT SCALE DRAWINGS. ROPERTY WAS PREPARED BY ANNIS O'SULLIVAN





05	ISSUED FOR APPROVAL	M.L.	15 NOV 2024
04	ISSUED FOR APPROVAL	M.L.	09 AUG 2024
03	ISSUED FOR APPROVAL	M.L.	10 APR 2024
02	ISSUED FOR APPROVAL	M.L.	13 DEC 2023
01	ISSUED FOR APPROVAL	M.L.	07 SEP 2023
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



5430 Canotek Road | Ottawa, ON, K1J 9G2 www.lrl.ca I (613) 842-3434

MACEWEN PETROLEUM INC. 18 ADELAIDE STREET, MAXVILLE, ON DESIGNED BY DRAWN BY APPROVED E

M.L. M.B. M.L. PROJECT SITE RE-DEVELOPMENT MACEWEN ALBION

5546 ALBION RD S, GLOUCESTER, ON

STORMWATER MANAGEMENT PLAN

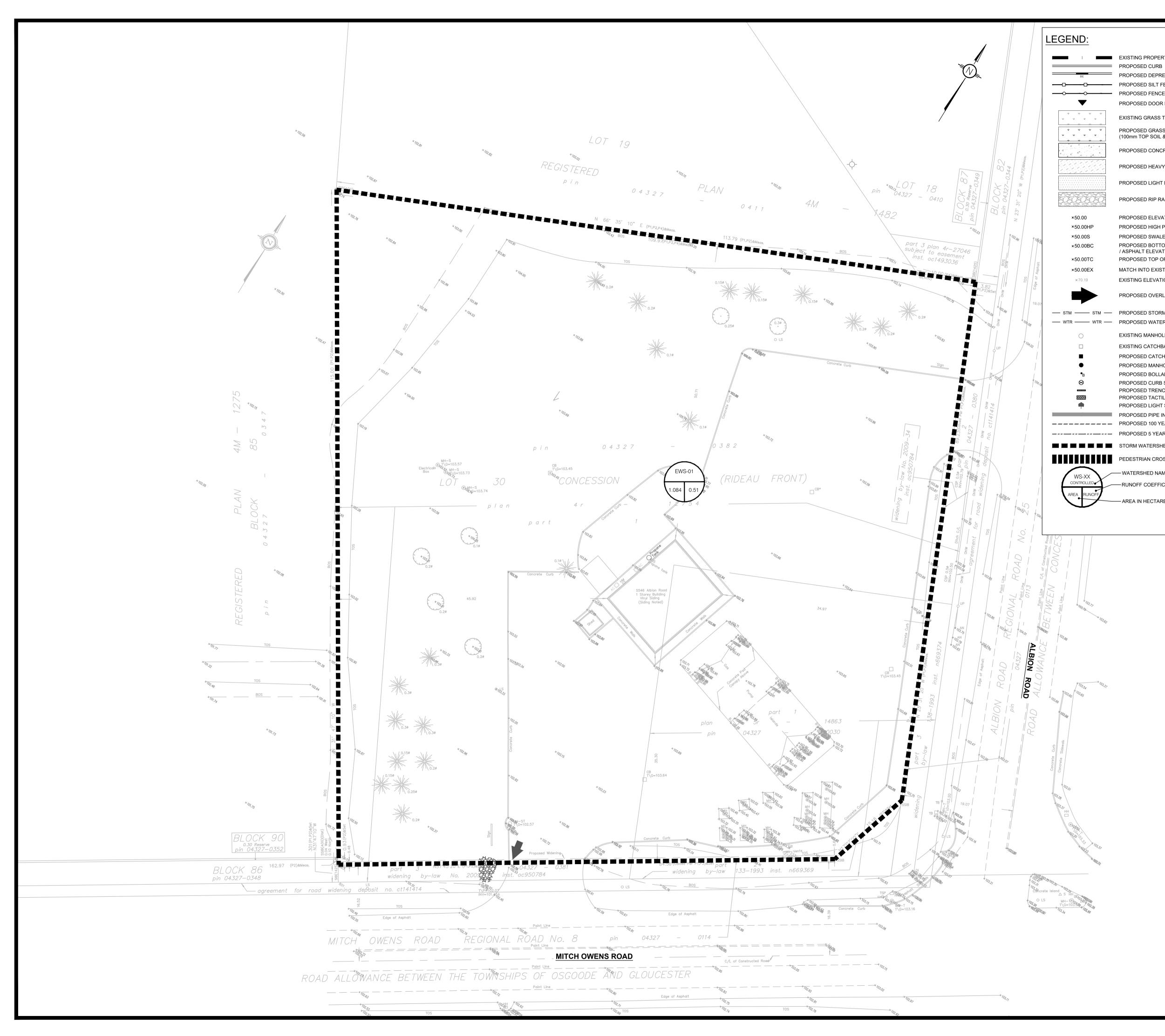
PROJECT NO.

APRIL 2022

01348

DATE

DRAWING TITLE



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	NOT AUTHENTIC UNLESS SIGNED AND DATED				
	<b>LRL</b> <b>ENGINEERING I INGÉNIERIE</b> 5430 Canotek Road   Ottawa, ON, K1J 9G2 www.Irl.ca   (613) 842-3434				
	CLIENT MACEWEN PETROLEUM INC. 18 ADELAIDE STREET, MAXVILLE, ON DESIGNED BY: DRAWN BY: APPROVED BY:				
	M.L. M.L. M.B. PROJECT SITE RE-DEVELOPMENT MACEWEN ALBION 5546 ALBION RD S, GLOUCESTER, ON				
	DRAWING TITLE PRE-DEVELOPMENT WATERSHED PLAN				
	PROJECT NO. 01348 DATE APRIL 2022				

- WATERSHED NAME -RUNOFF COEFFICIENT AREA IN HECTARES

### STORM WATERSHED EXTENT

PROPOSED CATCHBASIN PROPOSED MANHOLE CATCHBASIN MANHOLE PROPOSED BOLLARD PROPOSED CURB STOP PROPOSED TRENCH DRAIN PROPOSED TACTILE STRIP PROPOSED LIGHT STANDARD PROPOSED PIPE INSULATION PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103.85) ----- PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.80)

- STM - STM - PROPOSED STORM SEWER 

EXISTING MANHOLE

EXISTING CATCHBASIN

PROPOSED OVERLAND MAJOR FLOW ROUTE

PROPOSED SWALE ELEVATION PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION PROPOSED TOP OF CURB ELEVATION MATCH INTO EXISTING ELEVATION EXISTING ELEVATION

PROPOSED HIGH POINT ELEVATION

### PROPOSED RIP RAP

PROPOSED ELEVATION

PROPOSED LIGHT DUTY ASPHALT

PROPOSED HEAVY DUTY ASPHALT

PROPOSED CONCRETE FEATURES/SLAB

(100mm TOP SOIL & SOD)

PROPOSED GRASS AREA

EXISTING GRASS TO REMAIN

PROPOSED DOOR ENTRANCE/EXIT

PROPOSED FENCE

PROPOSED DEPRESSED CURB PROPOSED SILT FENCE AS PER OPSD 219.110

EXISTING PROPERTY LINE TO REMAIN

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 SHALL 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 CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND

WINGS MAY ONLY BE MADE BY THE ENGINEER. JNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS

SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF 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

IN THE EVENT THE CLIENT. THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS. OR ANYONE FOR WHOM THE CLIENT, THE CLIENT'S CONTRACTORS ON SOBOMITATION, ON ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION

DOCUMENTS PREPARED BY LRL ASSOCIATES I.T.C. (IRL) WITHOUT OBTAINING IRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL 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

ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO NDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, NCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM

N ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR

CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL

ND 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 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 AND

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

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY

POGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN

CREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER 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 THE STEP HANDLARD MINISTER WITH DBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

ENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THI CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THI OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THI 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.

JSE AND INTERPRETATION OF DRAWINGS

ORTHCOMING.

UCH CHANGES.

GENERAL NOTES:

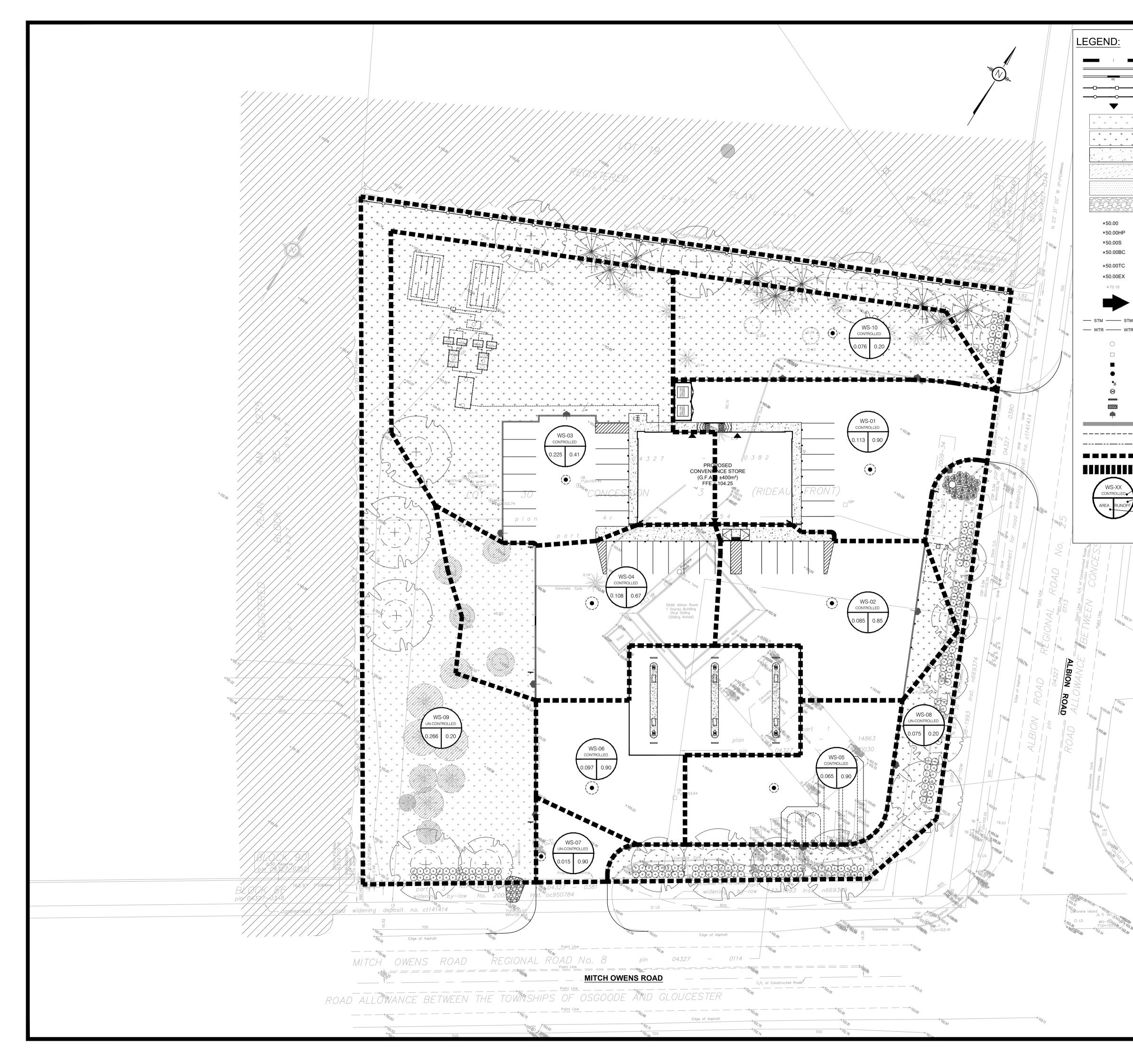
ALLEGED.

LLEBEKK LTD., IN APRIL 2022.

SCALE: 1:300

JNAUTHORIZED CHANGES:

NDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.



		USE AND INTERPRETATION OF DRAWINGS
		GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE 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
	EXISTING PROPERTY LINE TO REMAIN	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
	PROPOSED CURB PROPOSED DEPRESSED CURB	COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE
	PROPOSED SILT FENCE AS PER OPSD 219.110	CONTRACT DOCUMENTS. BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER
	PROPOSED FENCE	CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILLARIZED HIMSELF WITH THE LOCAL CONFIRMS THAT HE HAS VISITED THE SITE, FAMILLARIZED HIMSELF WITH
	PROPOSED DOOR ENTRANCE/EXIT	THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
Ψ ν 1	EXISTING GRASS TO REMAIN	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
*	PROPOSED GRASS AREA	ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.
	(100mm TOP SOIL & SOD)	UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION
4	PROPOSED CONCRETE FEATURES/SLAB	DOCUMENT. THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT
	PROPOSED HEAVY DUTY ASPHALT	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 CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF
	PROPOSED LIGHT DUTY ASPHALT	A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF 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
	PROPOSED RIP RAP	FORTHCOMING. UNAUTHORIZED CHANGES:
2-2-12	PROPOSED ELEVATION	IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR
	PROPOSED ELEVATION PROPOSED HIGH POINT ELEVATION	ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S
	PROPOSED SWALE ELEVATION	PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL 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
	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION	INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.
	PROPOSED TOP OF CURB ELEVATION	IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM
	MATCH INTO EXISTING ELEVATION	SUCH CHANGES.
	EXISTING ELEVATION	CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO
•	PROPOSED OVERLAND MAJOR FLOW ROUTE	LRL'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
TN 4		SUCH PROPER AUTHORIZATION. GENERAL NOTES:
TM —— /TR ——	PROPOSED STORM SEWER PROPOSED WATER SERVICE	EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE.
	EXISTING MANHOLE	CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.
	EXISTING CATCHBASIN	CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.
	PROPOSED CATCHBASIN	THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE
	PROPOSED MANHOLE CATCHBASIN MANHOLE	DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO
	PROPOSED BOLLARD PROPOSED CURB STOP	ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
	PROPOSED TRENCH DRAIN	CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.
	PROPOSED TACTILE STRIP PROPOSED LIGHT STANDARD	TOPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN VOLLEBEKK LTD., IN APRIL 2022.
	PROPOSED PIPE INSULATION	5 <u>m 2 0 5 10</u> m
	PROPOSED 100 YEAR HIGH WATER LEVEL (ELEV = 103.85)	SCALE: 1:300
	PROPOSED 5 YEAR HIGH WATER LEVEL (ELEV = 103.80)	
	STORM WATERSHED EXTENT	
	PEDESTRIAN CROSSING ASPHALT PAVEMENT MARKINGS	
	PEDESTRIAN CROSSING ASPHALT PAVEMENT MARKINGS	CUBIECT TO
		SUBJECT TO
	- WATERSHED NAME	SUBJECT TO APPROVAL
	- WATERSHED NAME - RUNOFF COEFFICIENT	SUBJECT TO APPROVAL
	- WATERSHED NAME - RUNOFF COEFFICIENT	SUBJECT TO APPROVAL
	- WATERSHED NAME - RUNOFF COEFFICIENT	SUBJECT TO APPROVAL
	- WATERSHED NAME - RUNOFF COEFFICIENT	05 ISSUED FOR APPROVAL M.L. 15 NOV 2024
	- WATERSHED NAME - RUNOFF COEFFICIENT	
	- WATERSHED NAME - RUNOFF COEFFICIENT	05 ISSUED FOR APPROVAL M.L. 15 NOV 2024
	- WATERSHED NAME - RUNOFF COEFFICIENT	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 2024
	- WATERSHED NAME - RUNOFF COEFFICIENT	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 202301ISSUED FOR APPROVALM.L.07 SEP 2023
	- WATERSHED NAME - RUNOFF COEFFICIENT	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 2023
	- WATERSHED NAME - RUNOFF COEFFICIENT	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 202301ISSUED FOR APPROVALM.L.07 SEP 2023
	- WATERSHED NAME - RUNOFF COEFFICIENT	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 202301ISSUED FOR APPROVALM.L.07 SEP 2023No.REVISIONSBYDATE
	- WATERSHED NAME - RUNOFF COEFFICIENT	05ISSUED FOR APPROVALM.L.15 NOV 202404ISSUED FOR APPROVALM.L.09 AUG 202403ISSUED FOR APPROVALM.L.10 APR 202402ISSUED FOR APPROVALM.L.13 DEC 202301ISSUED FOR APPROVALM.L.07 SEP 2023No.REVISIONSBYDATE
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	- WATERSHED NAME - RUNOFF COEFFICIENT	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
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×103.35	- WATERSHED NAME - RUNOFF COEFFICIENT	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
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	- WATERSHED NAME - RUNOFF COEFFICIENT	05       ISSUED FOR APPROVAL       M.L.       15 NOV 2024         04       ISSUED FOR APPROVAL       M.L.       09 AUG 2024         03       ISSUED FOR APPROVAL       M.L.       10 APR 2024         02       ISSUED FOR APPROVAL       M.L.       13 DEC 2023         01       ISSUED FOR APPROVAL       M.L.       07 SEP 2023         No.       REVISIONS       BY       DATE
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M.L. M.L. M.B. PROJECT SITE RE-DEVELOPMENT MACEWEN ALBION 5546 ALBION RD S, GLOUCESTER, ON

DRAWN BY:

DRAWING TITLE

ESIGNED BY

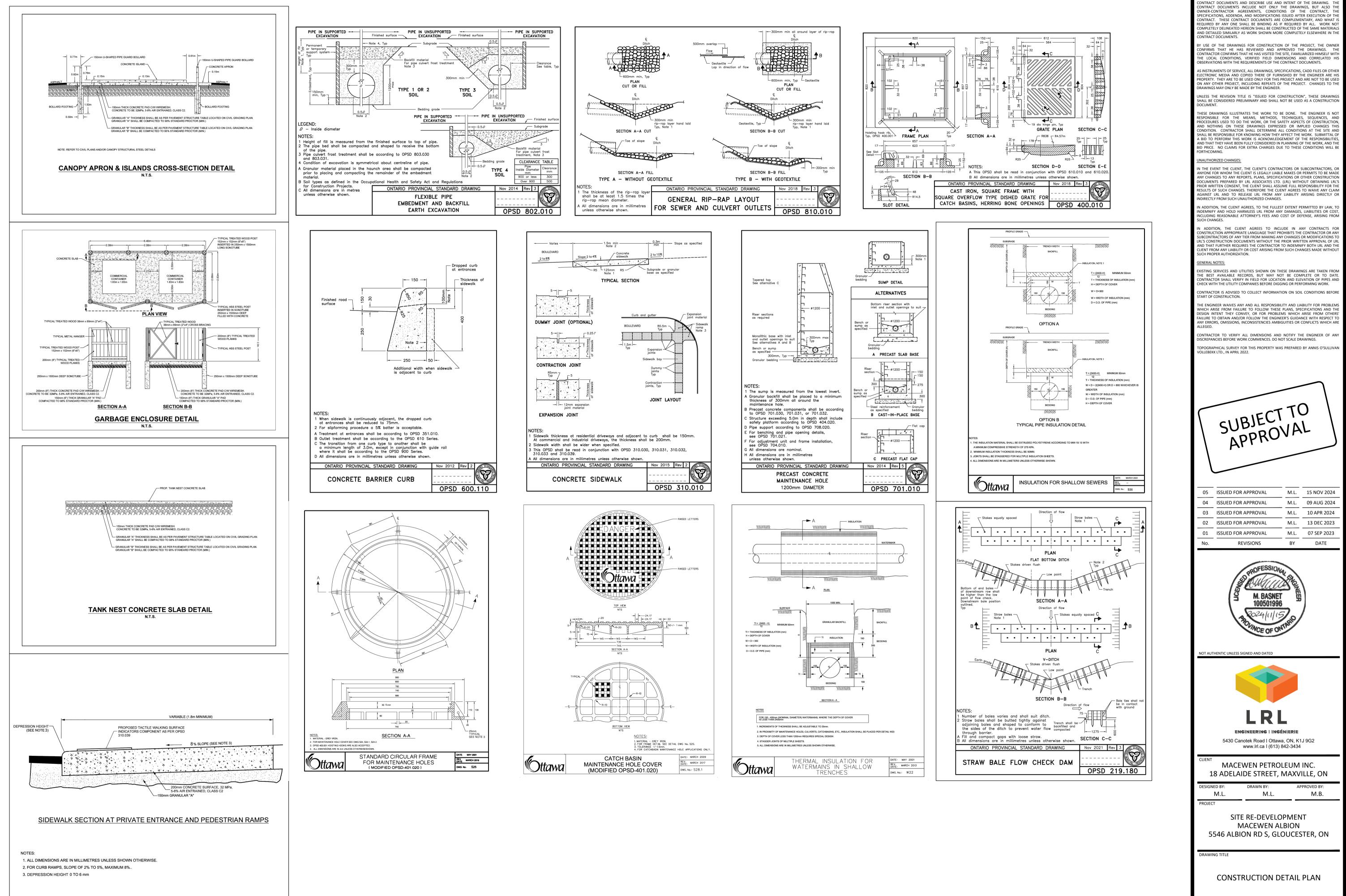
### POST-DEVELOPMENT WATERSHED PLAN

PROJECT NO. 01348 DATE

APRIL 2022



APPROVED BY:

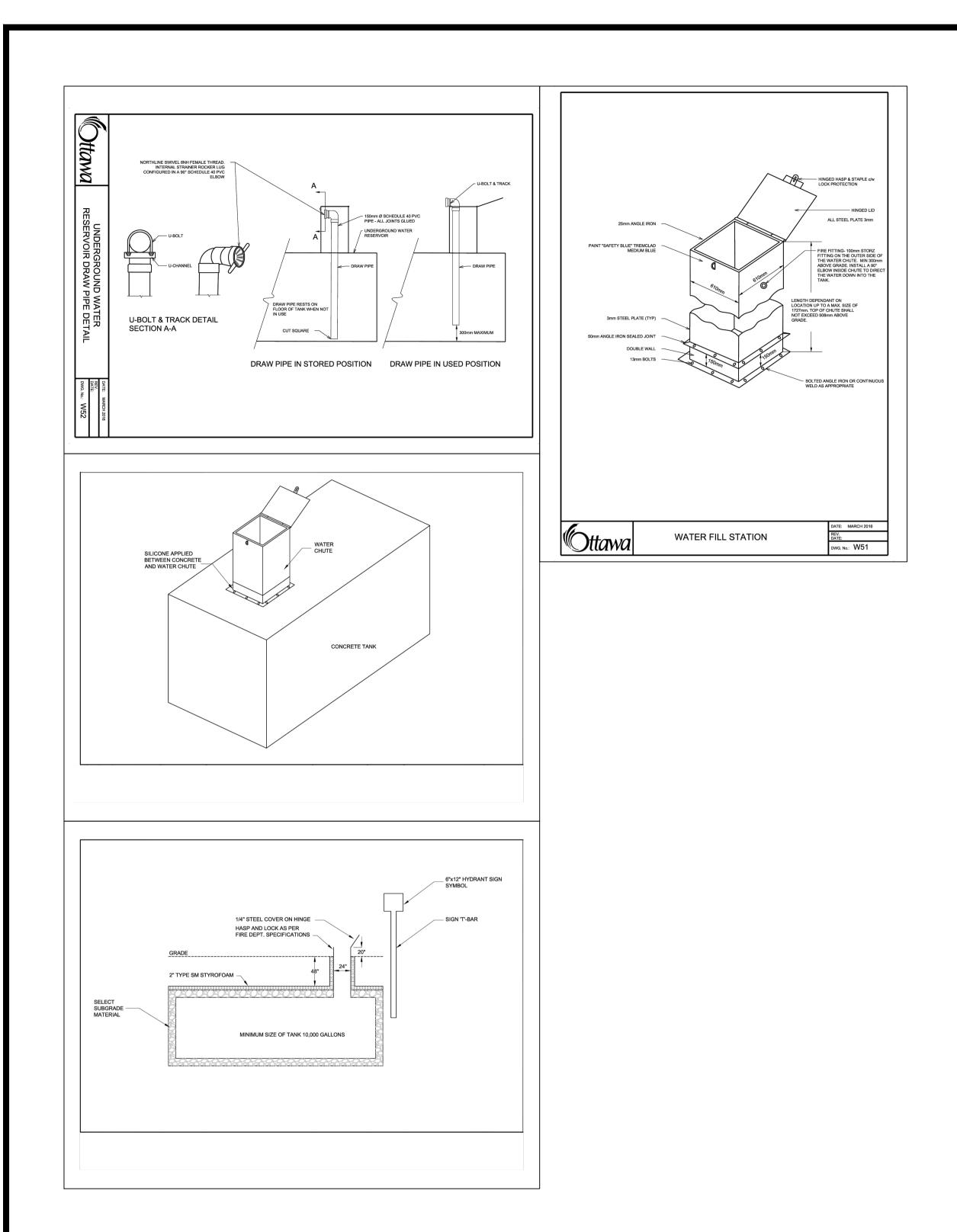


01348 DATE **APRIL 2022** 

PROJECT NO.

JSE AND INTERPRETATION OF DRAWINGS

SENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF TH





\*MBR300-4-S (standard 4 ring) model shown

# **BICYCLE RACK DETAIL**

#### USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE 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 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 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 OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

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 SHALL 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 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 PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

#### UNAUTHORIZED CHANGES:

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL 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 CHANGES.

IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO 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 CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'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.

### GENERAL NOTES:

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 AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.

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

TOPOGRAPHICAL SURVEY FOR THIS PROPERTY WAS PREPARED BY ANNIS O'SULLIVAN VOLLEBEKK LTD., IN APRIL 2022.



05	ISSUED FOR APPROVAL	M.L.	15 NOV 2024
04	ISSUED FOR APPROVAL	M.L.	09 AUG 2024
03	ISSUED FOR APPROVAL	M.L.	10 APR 2024
02	ISSUED FOR APPROVAL	M.L.	13 DEC 2023
01	ISSUED FOR APPROVAL	M.L.	07 SEP 2023
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



5430 Canotek Road I Ottawa, ON, K1J 9G2 www.lrl.ca I (613) 842-3434

 CLIENT
 MACEWEN PETROLEUM INC.

 18 ADELAIDE STREET, MAXVILLE, ON

 DESIGNED BY:
 DRAWN BY:

 M.L.
 M.B.

### SITE RE-DEVELOPMENT MACEWEN ALBION 5546 ALBION RD S, GLOUCESTER, ON

### -DRAWING TITLE

### CONSTRUCTION DETAIL PLAN

C902

PROJECT NO. 01348 DATE

APRIL 2022