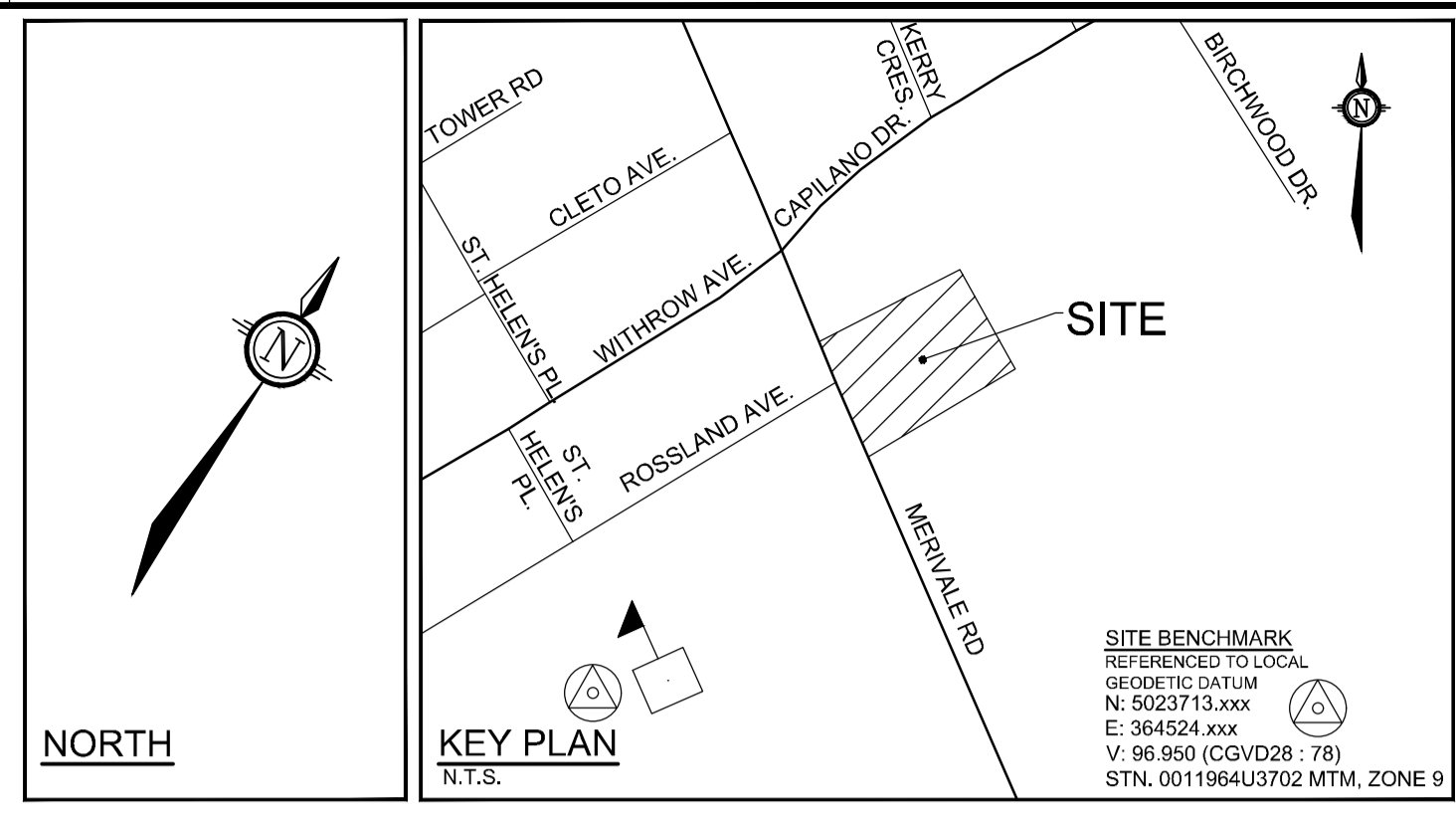


APPROVED
By Kersten Nitsche at 10:13 am, Jul 08, 2024

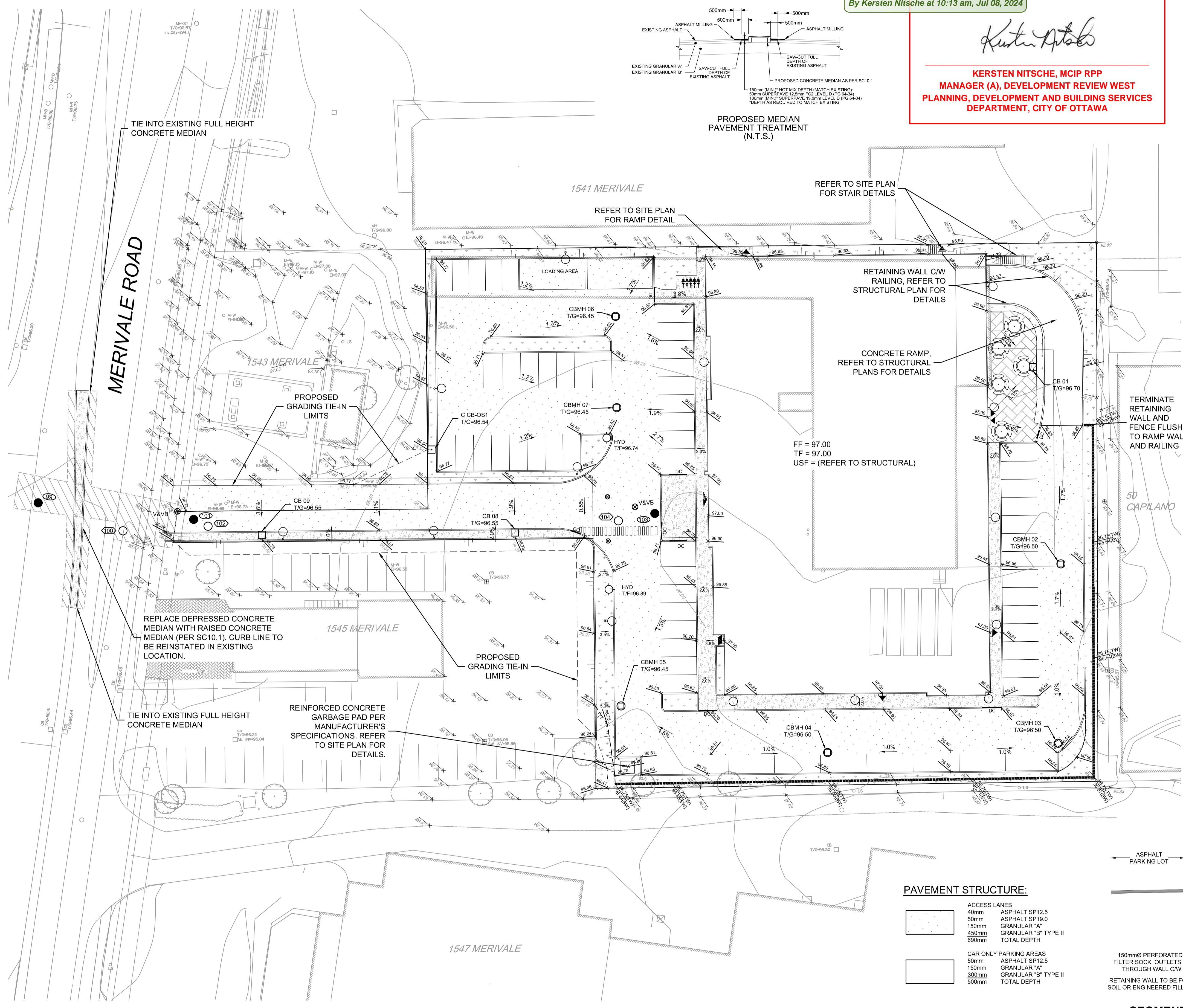
Kersten Nitsche
**KERSTEN NITSCHKE, MCIP RPP
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA**



SOURCE REFERENCE:
TOPOGRAPHIC PLAN OF SURVEY OF PART OF LOT 16 REGISTERED PLAN 353 AND PART OF LOT 34 CONCESSION A (RIDEAU FRONT), PREPARED BY FARLEY, SMITH & DENIS SURVEYING LTD. 2021 ON OCTOBER 1st, 2021
TOPOGRAPHIC INFORMATION:
HORIZONTAL DATUM: NAD 83 (ORIGINAL), MTM - ZONE 9
VERTICAL DATUM: CGVD 1928-1978
1. CITY OF OTTAWA 1:1000 MAPPING
2. FARLEY, SMITH & DENIS SURVEYING LTD'S TOPOGRAPHIC PLAN OF SURVEY

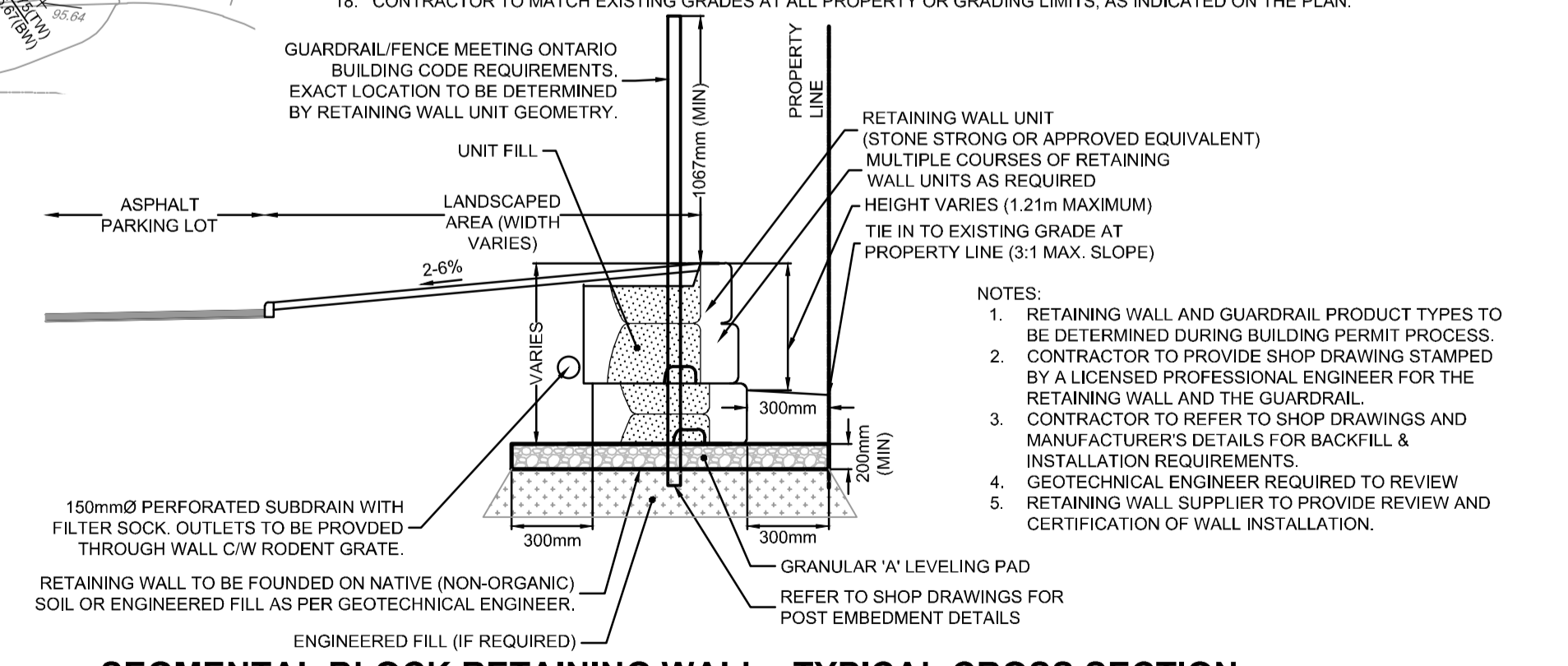
- LEGEND**
- 97.00 PROPOSED ELEVATION
 - 96.50 EXISTING ELEVATION
 - 97.00(TW) PROPOSED TOP OF WALL ELEVATION
 - 97.00(BW) PROPOSED ELEVATION AT FRONT FACE OF RETAINING WALL (TO MATCH EXISTING GRADE)
 - EXISTING CONTOUR AND ELEVATION
 - TERRACE TO EXISTING (3:1 MAX)
 - PROPOSED RETAINING WALL, COMPLETE WITH GUARDRAIL
 - PROPOSED GRADING TIE-IN LIMITS
 - PROPOSED BERM LIMITS
 - PROPOSED SANITARY MAINTENANCE HOLE
 - PROPOSED STORM MAINTENANCE HOLE
 - PROPOSED CATCHBASIN
 - PROPOSED CATCHBASIN MAINTENANCE HOLE
 - PROPOSED LANDSCAPE TYPE CATCHBASIN
 - PROPOSED VALVE & VALVE BOX LOCATION
 - PROPOSED HYDRANT WITH TOP OF FLANGE ELEVATION
 - DEPRESSED CURB

- GRADING AND PAVEMENT NOTES:**
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED HARD SURFACE (i.e. PAVEMENT, CURB, SIDEWALK, ETC.) AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
 - EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE HEAVILY PROOF ROLLED WITH A LARGE (10 TON) VIBRATORY STEEL DRUM ROLLER UNDER DRY CONDITIONS AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
 - ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUB-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
 - THE GRANULAR BASE SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROPOSED PAVEMENT SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
 - ROADWAY SUBGRADE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION TO REVIEW IF A WOVEN GEOTEXTILE IS REQUIRED BELOW THE GRANULAR MATERIALS; AND TO CONFIRM THE DEPTH AND COMPACTION OF GRANULAR 'B'.
 - PRIOR TO PLACEMENT OF WEAR COURSE ASPHALT, THE CONTRACTOR SHALL ADJUST ALL STRUCTURES TO FINAL GRADE PER CITY OF OTTAWA STANDARDS.
 - MINIMUM OF 2% GRADE FOR ALL GRASSED AREAS UNLESS OTHERWISE NOTED.
 - MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
 - ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
 - ALL CURBS SHALL BE BARRIER CURB UNLESS OTHERWISE NOTED AND CONSTRUCTED PER CITY OF OTTAWA STANDARD (SC1.1).
 - ALL SIDEWALKS ARE TO HAVE 2% CROSSFALL UNLESS OTHERWISE NOTED. CROSSFALL IS TO BE DIRECTED AWAY FROM BUILDINGS AND PROPERTY LINES UNLESS OTHERWISE NOTED.
 - BARRIER FREE CURB RAMPS TO BE PROVIDED AS PER CITY OF OTTAWA STANDARD (SC6).
 - REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
 - CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL TWSIS TO THE CONSULTANT.
 - ALL RETAINING WALLS TO BE DESIGNED BY STRUCTURAL ENGINEER. ANY RETAINING WALL WITH EXPOSED FACE >0.6m WILL REQUIRE A GUARDRAIL AS PER CBC. TYPICAL CROSS SECTION OF RETAINING WALL PROVIDED FOR REFERENCE. TYPE OF WALL AND RAILING TO BE CONFIRMED DURING BUILDING PERMIT PROCESS. CONTRACTOR TO PROVIDE STAMPED STRUCTURAL DRAWING FOR APPROVED RETAINING WALL AND RAILING.
 - MERIVALE ROAD IS AN ARTERIAL ROADWAY. ALL ASPHALT USED FOR ROAD CUT REINSTATEMENTS SHALL BE LEVEL D (PG 64-34) PER R10.
 - ASPHALT TO BE PLACED IN LIFT THICKNESSES NOT EXCEEDING 60mm OR AS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
 - CONTRACTOR TO MATCH EXISTING GRADES AT ALL PROPERTY OR GRADING LIMITS, AS INDICATED ON THE PLAN.



PAVEMENT STRUCTURE:

ACCESS LANES	40mm ASPHALT SP12.5
	50mm ASPHALT SP19.0
	150mm GRANULAR "A"
	450mm GRANULAR "B" TYPE II
	650mm TOTAL DEPTH
CAR ONLY PARKING AREAS	50mm ASPHALT SP12.5
	150mm GRANULAR "A"
	300mm GRANULAR "B" TYPE II
	500mm TOTAL DEPTH



NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY	No.	REVISION	DATE	BY
12.	REVISED PER NEW SITE PLAN	JUN 17/24	TJM	8.	ISSUED FOR PERMIT	NOV 01/23	TJM
11.	RE-ISSUED FOR BUILDING PERMIT	JUN 11/24	TJM	7.	RE-ISSUED FOR SITE PLAN APPROVAL	AUG 14/23	TJM
10.	UPDATED PER SITE PLAN REVISIONS	MAR 05/24	TJM	6.	REVISED GRADES PER FORESTRY	AUG 9/23	TJM
9.	ISSUED FOR TENDER	NOV 01/23	TJM	5.	REVISED SOUTHWEST PROPERTY LINE GRADES	AUG 8/23	TJM
				4.	REVISED CITY PROJECT NUMBER	JUL 14/23	TJM
				3.	ISSUED FOR SITE PLAN APPROVAL - REVISED	MAY 12/23	TJM
				2.	ISSUED FOR SITE PLAN APPROVAL	DEC 23/22	TJM
				1.	ISSUED FOR COORDINATION	NOV 16/22	TJM

SCALE	DESIGN	CHECKED	DRAWN	CHECKED	APPROVED
1:300	JMR	SAB	JMR	SAB	TJM

PROFESSIONAL ENGINEER
T. J. MCKAY
100195434
June 21, 2024
PROVINCE OF ONTARIO

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LOCATION CITY OF OTTAWA 1545A MERIVALE ROAD	PROJECT No. 122098
DRAWING NAME GRADING PLAN	REV # 12
	DRAWING No.
	C-200

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