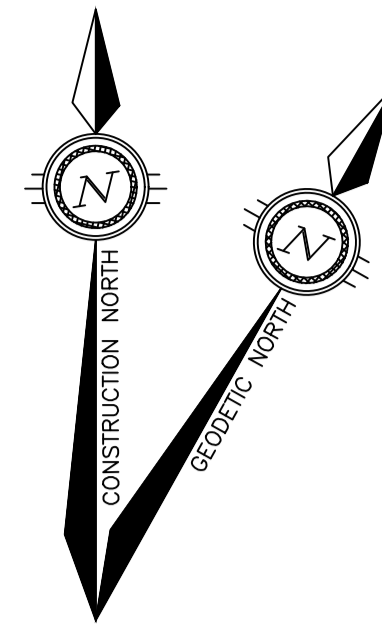


GENERAL:

- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION.
- DO NOT CONSTRUCT USING DRAWINGS THAT ARE NOT MARKED "ISSUED FOR CONSTRUCTION".
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- JOB BENCH MARK - CONFIRM WITH EXP SERVICES INC PRIOR TO UTILIZATION.
- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED. ALL DRAWINGS SHOULD NOT BE SCALED BY THE CONTRACTOR. ANY MISSING OR QUESTIONABLE DIMENSIONS ARE TO BE CONFIRMED WITH THE CONSULTANT IN WRITING.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA AND ONTARIO PROVINCIAL STANDARD DRAWING SUPPLEMENTS WHERE APPLICABLE AND ONTARIO PROVINCIAL STANDARDS SHALL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
- ANY DISCREPANCIES, INTERPRETATIONS, CHANGES AND ADDITIONS TO THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER, WHEN NOTED AND BEFORE PROCEEDING WITH CONSTRUCTION WORKS.
- FOR GEOTECHNICAL INFORMATION REFER TO THE ADDITIONAL GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP SERVICES INC.
- ALL DISTURBED AREAS TO BE REINSTATED TO EQUAL OR BETTER CONDITION. ALL NEW WORK SHALL TIE INTO EXISTING.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCHBASIN OUTLETS ARE PROVIDED.
- ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT.
- THE CONTRACTOR SHALL COMPLETE ALL RESTORATION TO A CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.

- THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING SERVICES AND STRUCTURES TO BE CONNECTED TO AND EXISTING SERVICES THAT MAY BE DAMAGED OR CAUSE CONFLICTS PRIOR TO CONSTRUCTION OF ANY NEW SEWER, WATER AND/OR STORM WATER WORKS. THE ENGINEER SHALL BE INFORMED IMMEDIATELY OF ANY ERRORS, DISCREPANCIES, CONFLICTS, OMISSIONS ETC. THAT ARE FOUND. DO NOT CONTINUE CONSTRUCTION IN AREAS WHERE DISCREPANCIES APPEAR UNTIL SUCH DISCREPANCIES HAVE BEEN RESOLVED.
- THE CONTRACTOR SHALL PROTECT ANY SUCH EXISTING SERVICES & FACILITIES. SUCH REQUIRED MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ENSURE ALL CONCERNED UTILITIES HAVE LOCATED THEIR PLANT PRIOR TO ANY EXCAVATING, LOCATE AND FLAG/PAINT THE LOCATIONS OF OTHER U/G PLANT WHICH MAY BE DAMAGED BY EXCAVATION AND CONSTRUCTION TRAFFIC, HAND DIG IN PROXIMITY TO EXISTING BURIED SERVICES TO LOCATE THEM WITHOUT ANY RESULTING DAMAGE, BRACE AND SUPPORT WHERE REQUIRED.
- THE CONTRACTOR SHALL APPRAISE HIS/HER SELF OF ALL SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED AND SHALL CARRY OUT THEIR OWN TEST PITS AS REQUIRED TO MAKE THEIR OWN INDEPENDENT ASSESSMENT OF GROUND CONDITIONS. THE CONTRACTOR SHALL NOT MAKE ANY CLAIM FOR ANY EXTRA COST DUE TO ANY SUCH GROUND CONDITIONS VARYING FROM THOSE ANTICIPATED BY THE CONTRACTOR.
- DESIGN ELEVATIONS GIVEN ON THESE PLANS ARE TO BE ADHERED TO WITH NO CHANGES WITHOUT PRIOR WRITTEN APPROVAL BY EXP SERVICES INC. SURFACE PONDING STORAGE VOLUMES AND INLET CONTROL DEVICE DIMENSIONS MUST COMPLY WITH THE DESIGN REPORT PREPARED BY EXP SERVICES INC FOR THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE FOR DEWATERING, SUPPORT AND PROTECTION OF EXCAVATIONS AND TRENCHING AS WELL AS RELEASE OF ANY PUMPED GROUND WATER IN A CONTROLLED AND APPROVED MANNER. THE CONTRACTOR SHALL APPLY FOR A PERMIT TO TAKE WATER FROM THE MINISTRY OF ENVIRONMENT IF MORE THAN 50,000 LITRES PER/DAY OF GROUNDWATER IS PUMPED FOR CONSTRUCTION ACTIVITIES.

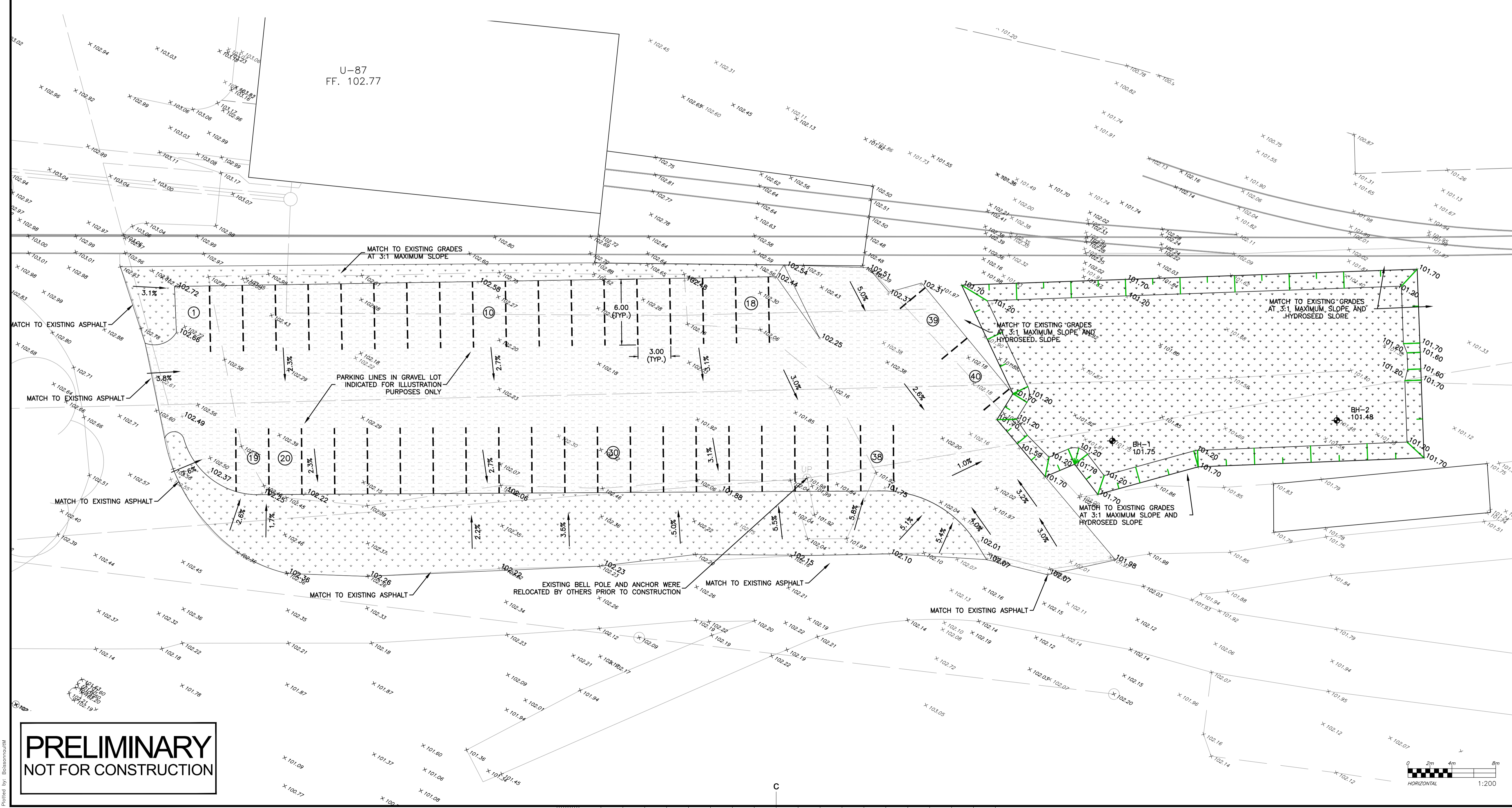


LEGEND-EXISTING

---	EXIST.	---	EXISTING STORM SEWER
---	---	---	EXISTING CHAIN LINK FENCE
---	---	---	EXISTING GRADE
---	---	---	EXISTING OVERHEAD HYDRO UTILITY
---	---	---	EXISTING OVERHEAD BELL UTILITY
---	---	---	EXISTING UNDERGROUND GAS UTILITY
---	---	---	EXISTING UNDERGROUND COMMUNICATIONS UTILITY
---	---	---	EXISTING WATER UTILITY
○	UP	---	EXISTING UTILITY POLE
○	ST/MH	---	EXISTING STORM MAINTENANCE HOLE
□	CB	---	EXISTING CATCHBASIN

LEGEND-GRADING

[Pattern]	PROPOSED GRANULAR SURFACE: - 240mm GRANULAR 'A' - 450mm GRANULAR 'B' TYPE II
[Pattern]	LANDSCAPING REINSTATEMENT - 100mm TOPSOIL - HYDRAULIC SEEDING & MULCHING
---	PROPOSED GRADE
---	PROPOSED SLOPE



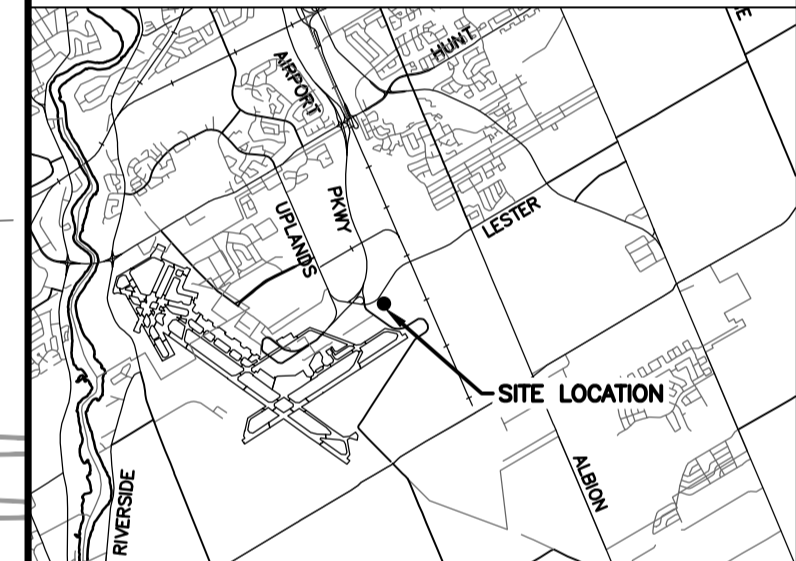
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KEY PLAN / PLAN CLÉ



No.	Date	Revision	By
6	02 10 2021	ISSUED FOR TENDER	MB
5	01 29 2021	ISSUED FOR TENDER	MB
4	12 18 2020	ISSUED FOR COORDINATION	MB
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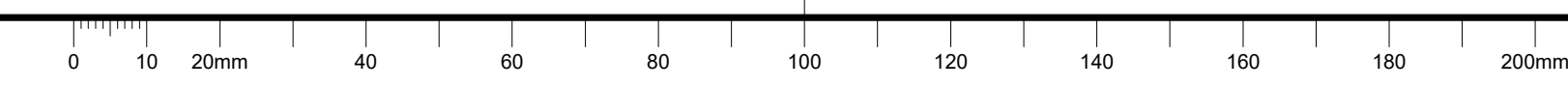
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B	No. du détail	B
C	Location drawing no. sur dessin no.	C
	Drawing no. dessin no.	

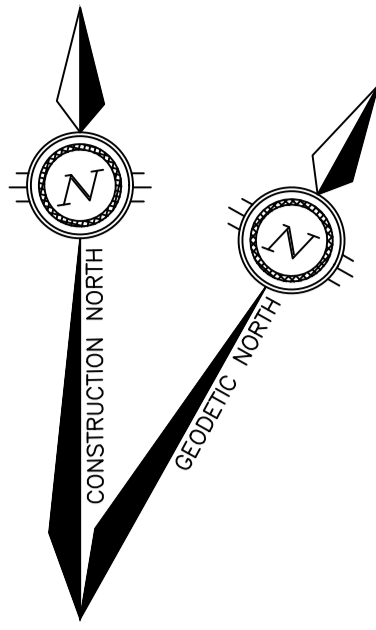
project / projet
U87 PARKING LOT UPGRADES
2320 LESTER ROAD
OTTAWA, ONTARIO.

SITE GRADING PLAN

designed / conçu	MB	date / date	MAR/2020
drawn / dessiné	MB	scale / échelle	1:200
checked / vérifié	JD	sheet / feuille	1 of/de 2
approved / approuvé	JD	W.O.no. / D.T.no.	5439
dwg.no. / ACAD file:	GP-1 / OTT-254378-A0	dessin no. / fichier CDAO:	

PRELIMINARY NOT FOR CONSTRUCTION

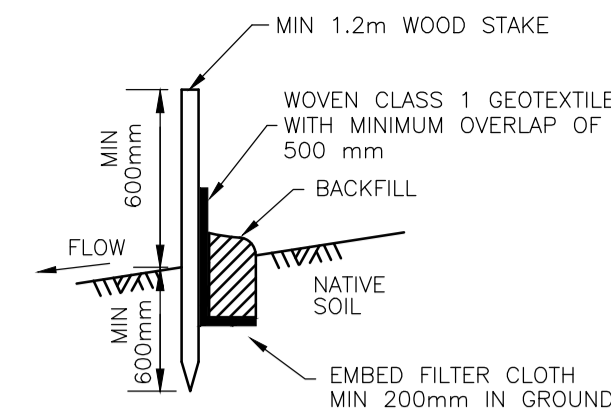




EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. INSTALLATION OF FILTER CLOTH BETWEEN FRAME AND COVER ON ALL EXISTING CATCH BASINS AND CATCH BASIN MANHOLES.
5. A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING.
6. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
7. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
8. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
9. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITIONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
10. CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.



LIGHT DUTY SILT FENCE BARRIER
N.T.S.

NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
6. GEOTEXTILE TO BE EMBEDDED 200mm INTO GROUND.
7. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.
8. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
9. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.

LEGEND-EXISTING

---	EXIST	---	STORM	---	SEWER	---	EXISTING STORM SEWER
---	---	---	---	---	---	---	EXISTING CHAIN LINK FENCE
---	---	---	---	---	---	---	EXISTING GRADE
---	---	---	---	---	---	---	EXISTING OVERHEAD HYDRO UTILITY
---	---	---	---	---	---	---	EXISTING OVERHEAD BELL UTILITY
---	---	---	---	---	---	---	EXISTING UNDERGROUND GAS UTILITY
---	---	---	---	---	---	---	EXISTING UNDERGROUND COMMUNICATIONS UTILITY
---	---	---	---	---	---	---	EXISTING WATER UTILITY
---	---	---	---	---	---	---	EXISTING UTILITY POLE
---	---	---	---	---	---	---	EXISTING STORM MAINTENANCE HOLE
---	---	---	---	---	---	---	EXISTING CATCHBASIN

LEGEND-EROSION & SEDIMENT CONTROL

---	PROPOSED SILT FENCE, PER OPSS 219.110
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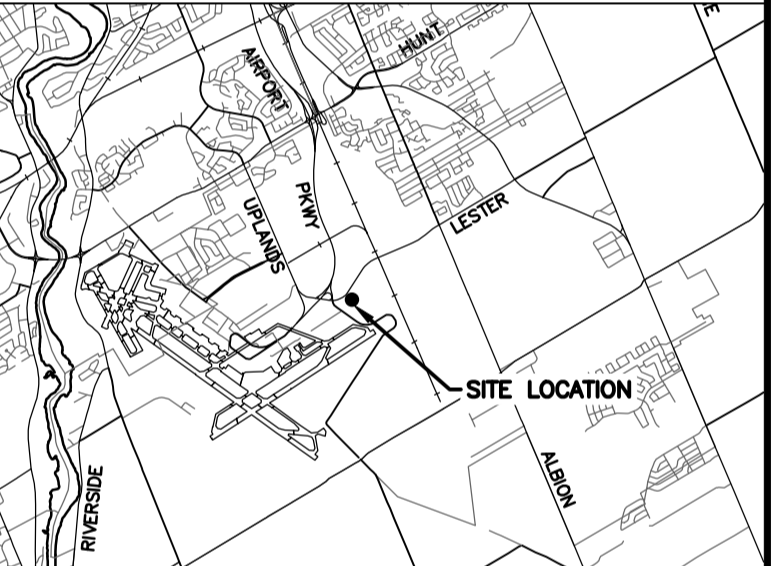


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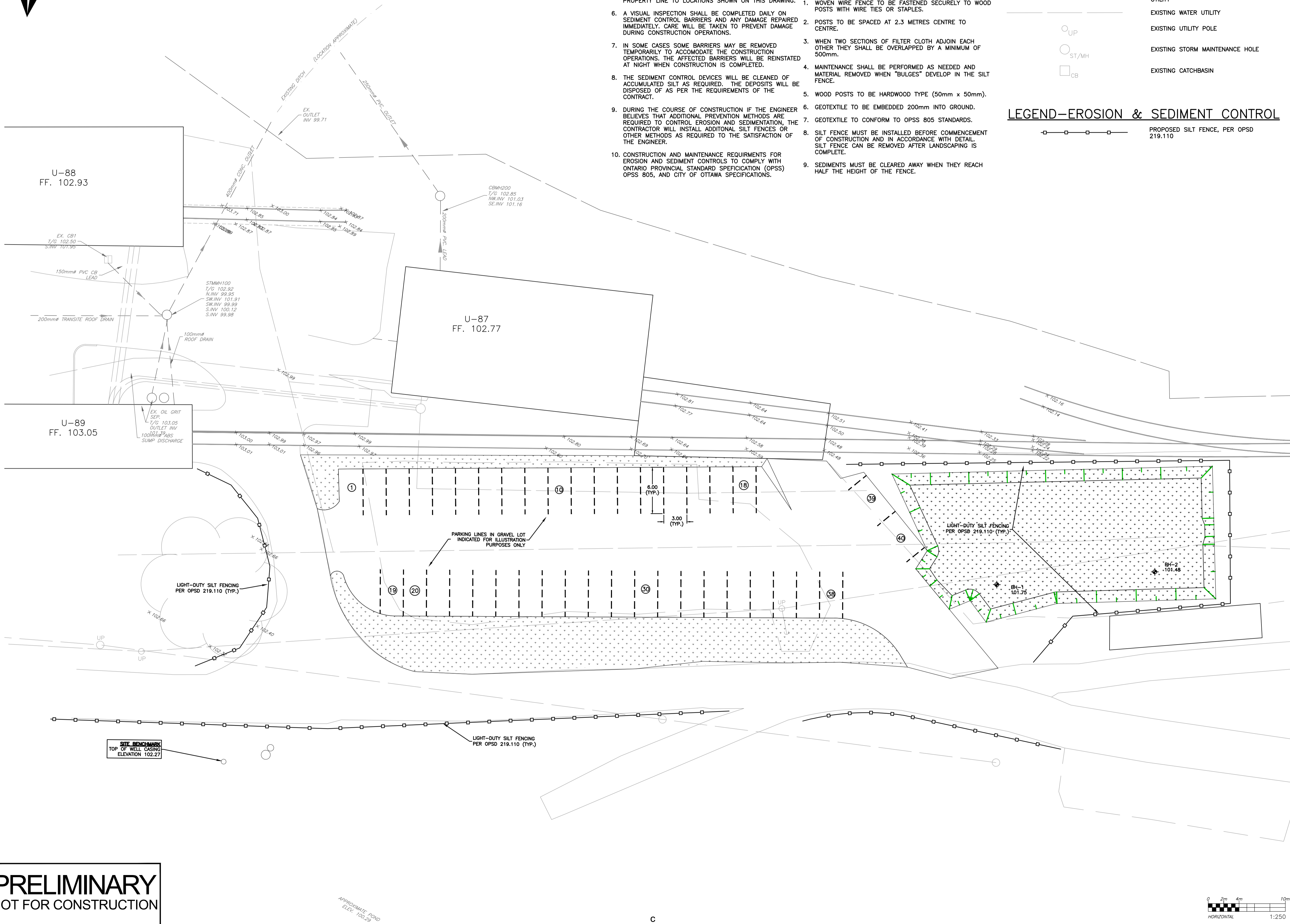
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OTTAWA, ONTARIO.

drawing / dessin

EROSION & SEDIMENT CONTROL

designed / conçu	BC	date	DEC/2020
drawn / dessiné	MB	scale / échelle	1:250
checked / vérifié	JD	sheet / feuille	2 of/de 2
approved / approuvé	JD	W.O.no. / D.T.no.	5439
dwg.no. / ACAD file:	ESCPM / OTT-254378-A0	dessin no. / fichier CDAO:	



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