

SEWER CROSSING TABLE SEPARATION CROSSING INVERT/OBVERT SERVICE SANITARY 61.56 0.30 WATER 61.26 STORM 61.66 0.42 WATER 61.24 STORM 61.51 0.53 SANITARY 60.98 SANITARY 61.54 0.39 WATER 61.15 STORM 61.64 0.51 WATER 61.13 STORM 61.49 SANITARY 60.95 SANITARY 61.54 0.48 WATER 61.06 STORM 61.62 WATER 61.06 STORM 61.44 0.56 SANITARY 60.88 SANITARY 61.55 WATER 61.06 STORM 61.62 0.56 WATER 61.06 STORM 61.42 0.57 SANITARY 60.85

PART 1. AR--17

1. EXISTING WATERMAIN ELEVATIONS HAVE BEEN INTERPOLATED FROM RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE ELEVATION OF EXISTING INFRASTRUCTURE PRIOR TO

CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND. 2. SANITARY SERVICE LATERALS SHALL CROSS OVER THE EXISTING WATERMAIN USING APPROVED 22.5° RADIUS BENDS AS PER CITY STD. 11.1.

PROPERTY BOUNDARY EXISTING ELEVATION PROPOSED GRADE DRAINAGE SLOPE AND DIRECTION EXISTING HYDRANT EXISTING VALVE & VALVE CHAMBER EXISTING VALVE & VALVE BOX EXISTING WATERMAIN EXISTING SANITARY SEWER & MANHOLE EXISTING STORM SEWER & MANHOLE EXISTING CATCH BASIN EXISTING OVERHEAD UTILITIES EXISTING GAS WATERMAIN

EASTBOURNE AVE.

LEGEND

SUBJECT-

KEY PLAN

M A R T

PIN 0427

(PER REGISTERED PLA

56.3m-375mmø_STM @_0.46%_____

57.5m-225mmø SAN @ 0.43%

T/G=63.15

SIDEWALK

- 1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE 2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO COMPLETE THE WORK AND TO COMPLETE UTILITY LOCATES BEFORE CONSTRUCTION. 3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARDS.
- 4. ALL DAMAGED AREAS ARE TO BE REINSTATED TO EXISTING OR BETTER CONDITIONS 5. ROAD CUTS SHALL BE SAW-CUT TO FORM A CLEAN
- 6. THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF ALL EXISTING SEWERS AND UTILITIES PRIOR TO COMMENCING WORK. 7. THE CONTRACTOR SHALL CONFIRM ALL EXISTING
- INFRASTRUCTURE TO PREVENT DAMAGE AND IDENTIFY CONFLICTS WITH PROPOSED INFRASTRUCTURE PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE INFORMED IMMEDIATELY OF ANY ERRORS, OMISSIONS OR CONFLICTS THAT ARE FOUND. 8. ROAD CUTS SHALL BE REINSTATED IN ACCORDANCE WITH CITY DETAIL R10.
- 9. ALL MATERIAL SUPPLIED AND PLACED FOR CONSTRUCTION SHALL BE TO OPSS STANDARDS UNLESS OTHERWISE NOTED (CONSTRUCTION OPSS 206, 310 AND 314, MATERIALS OPSS 1001, 1003 AND 1010). 10. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
- 11. CONCRETE BARRIER CURB WITH GUTTER SHALL BE REINSTATED IN ACCORDANCE WITH CITY DETAIL SC1.1. 12. CONCRETE SIDEWALK SHALL BE REINSTATED IN ACCORDANCE WITH CITY DETAIL SC1.4.
- 13. HYDRANT SHALL BE INSTALLED IN ACCORDANCE WITH CITY DETAILS W18 AND W19. 14. SERVICING SHALL BE INSTALLED IN ACCORDANCE WITH CITY DETAILS S11, S11.1, S11.2 AND S11.3. 15. SERVICE CONNECTIONS SHALL BE MADE ABOVE THE SPRINGLINE ELEVATION OF THE EXISTING SEWER MAIN. 16. CONNECTIONS TO EXISTING WATERMAIN ARE TO BE
- EXCAVATION, BEDDING, BACKFILL AND REINSTATEMENT. CITY FORCES TO PROVIDE MATERIAL. 17. ABANDON EXISTING SERVICES IN ACCORDANCE WITH CITY 18. STORM SERVICE LATERALS SHALL BE 100mmø PVC SDR

PERFORMED BY CITY FORCES. CONTRACTOR TO PROVIDE

- 19. SANITARY SERVICE LATERALS SHALL BE 135mmø PVC
- 20. SERVICE PIPE AND RADIUS BENDS TO BE APPROVED CSA B182.2, SDR 28 PRODUCTS UNLESS SPECIFIED OTHERWISE. 21. WATER SERVICES SHALL BE 19mmø COPPER TYPE 'K'
- INSTALLED IN ACCORDANCE WITH CITY DETAIL W26. 22. SERVICE POSTS SHALL BE INSTALLED AS PER CITY 23. WATER SERVICES WITH COVER DEPTH LESS THAN 2.4m BELOW FINISHED GRADE OR LESS THAN 2.4m SEPARATION FROM MH OR CB SHALL BE INSULATED AS
- PER CITY DETAIL W22. 24. SANITARY AND STORM SERVICES WITH COVER DEPTH LESS THAN 2.0m BELOW FINISHED GRADE SHALL BE INSULATED AS PER CITY DETAIL W35. 25. SANITARY AND STORM SERVICES SHALL HAVE A MINIMUM
- SLOPE OF 1.0% (2.0% PREFERRED). 26. SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL

BE MADE USING APPROVED TEE FITTINGS.

27. BACKWATER VALVES ARE TO BE INSTALLED AS PER CITY DETAILS S14, S14.1 AND S14.2. 28. ALL PVC STORM SEWERS ARE TO BE SDR 35

SERVICE POST & CURB STOP

SANITARY SEWER & MANHOLE

STORM SEWER & MANHOLE

TERRACING (3H:1V MAX.)

ASPHALT REINSTATEMENT

SEWER CROSSING NUMBER

APPROVED BY OTHERS)

TREE (TYPE AND LOCATION TO BE

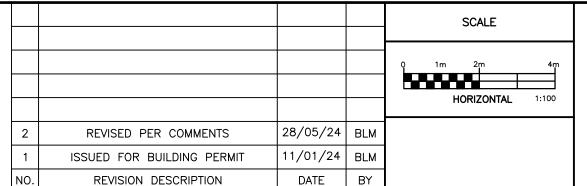
DEPRESSED CURB

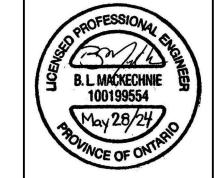
BUILDING ENTRACE

- APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED. 29. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24.1 AND S25.
- 30. STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 900mm SHALL BE CONSTRUCTED WITH A 300mm SUMP. FOR STORM SEWERS 900mm AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701.021. 31. ALL SANITARY SEWERS SHALL BE PVC SDR 35, IPEX "RING-TITE" (OR EQUIVALENT), AS PER CSA STANDARD
- B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE 32. SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24 AND S25.
- 33. SANITARY SEWER MANHOLES SHALL BE BENCHED AS PER OPSD 701.021 34. EXCAVATIONS FOR SERVICES SHOULD BE SLOPED IN
- ACCORDANCE WITH THE REQUIREMENTS IN ONTARIO REGULATION 213/ 91 UNDER THE OCCUPATIONAL HEALTH AND SAFETY ACT. 35. PRIOR TO HOUSE CONSTRUCTION ALL ORGANIC AND FILL
- MATERIALS SHALL BE REMOVED FROM THE BUILDING AND RETAINING WALL EXCAVATED AREAS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER. 36. MANAGEMENT OF ANY EXCESS MATERIALS SHALL BE IN
- ACCORDANCE WITH O.REG. 406/19. 37. THE CONTRACTOR IS RESPONSIBLE FOR AN SHALL PROVIDE FOR DEWATERING AND RELEASE OF ANY PUMPED WATER IN A CONTROLLED AND APPROVED
- MANNER. 38. EXISTING ELEVATIONS ARE TO BE MAINTAINED AT THE BASE OF ANY TREES TO BE PRESERVED.
- 39. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALES ARE PROVIDED. 40. GRADING ON DRIVEWAYS SHALL NOT EXEED 6.0% AND
- SHALL HAVE A POSITIVE GRADE FROM THE CURB TO FRONT OF GARAGE. 41. MAINTAIN A MINIMUM 150mm CLEARANCE BETWEEN PROPOSED TOP OF FOUNDATION AND FINISHED GRADE. MAINTAIN POSITIVE SURFACE DRAINAGE AWAY FROM ALL FOUNDATION WALLS.
- 42. REFER TO ARCHITECTURAL PLANS PREPARED BY BARBICAN CONSTRUCTION LTD. FOR BUILDING DIMENSIONS AND SITE LAYOUT.
- 43. NO EXCESS DRAINAGE SHALL BE DIRECTED ONTO NEIGHBORING PROPERTY. 44. IF ANY DOWNSPOUTS ARE INSTALLED, THEY ARE TO
- DISCHARGE TO CITY ROW. WHERE DOWNSPOUTS ARE LESS THAN 1.5m FROM ADJACENT PROPERTY LINES, SPLASH PADS ARE REQUIRED. 45. 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.
- 46. SILT SACKS SHALL BE INSTALLED IN ALL NEARBY CATCH BASINS AND OPEN COVER STORM MANHOLES DURING

NOT FOR CONSTRUCTION

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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. THE PROPERTY BOUNDARIES HAVE BEEN DERIVED FROM TOPOGRAPHIC SURVEY OF LOT 105 REGISTERED PLAN 344 CITY OF OTTAWA, PREPARED BY FAIRHALL, MOFFATT & WOODLAND LIMITED. ELEVATIONS SHOWN ARE REFERRED TO GEODETIC DATUM CGVD28. BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE EASTERLY LIMIT OF ST. LAURENT BOULEVARD AS SHOWN ON PLAN 4R-8183, HAVING A BEARING OF N 22°04'00" W.





Robinson Land Development

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APPROVED

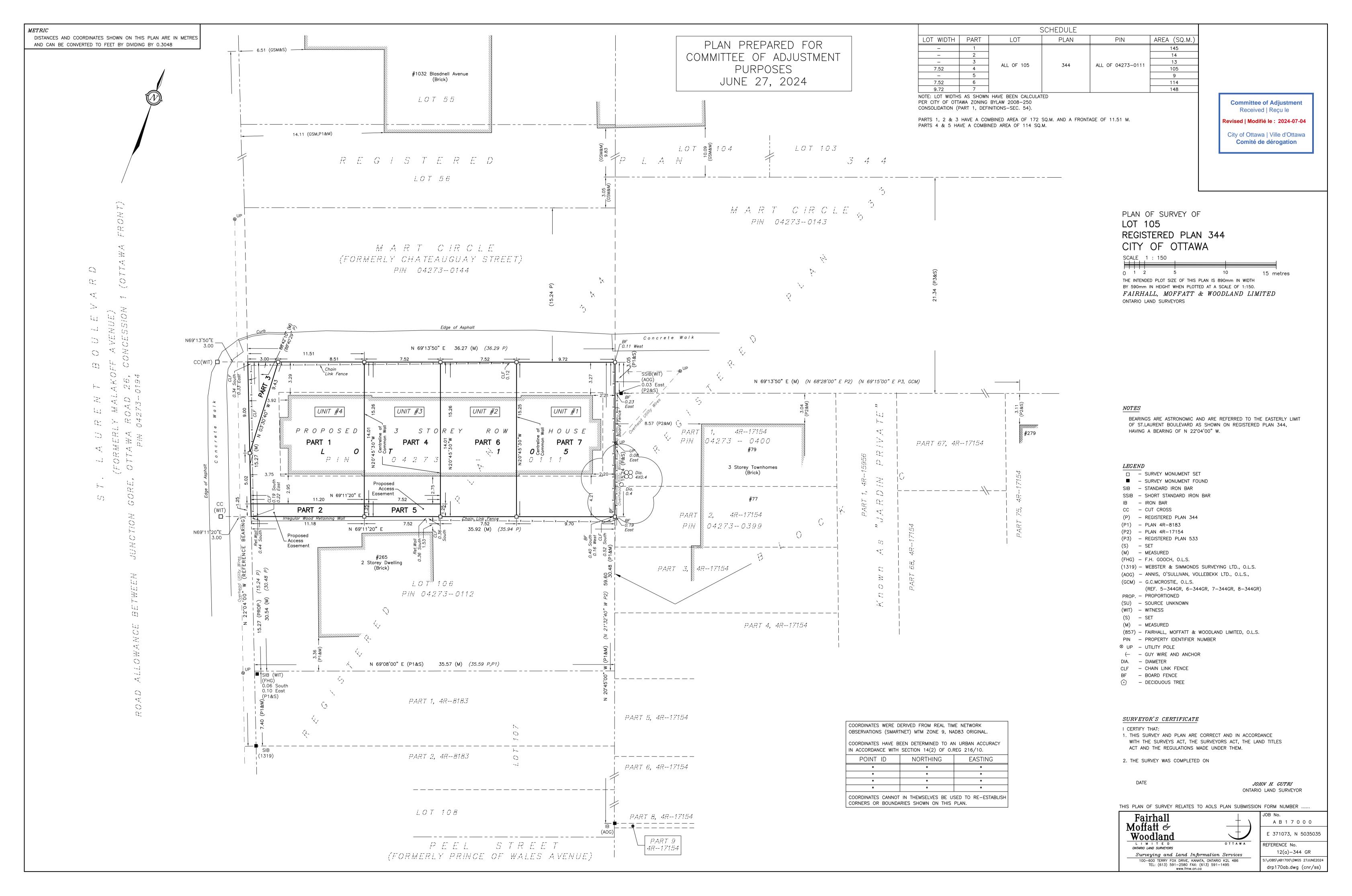
BARBICAN CONSTRUCTION LTD. CHECKED BLM 263 ST. LAURENT BOULEVARD CHECKED

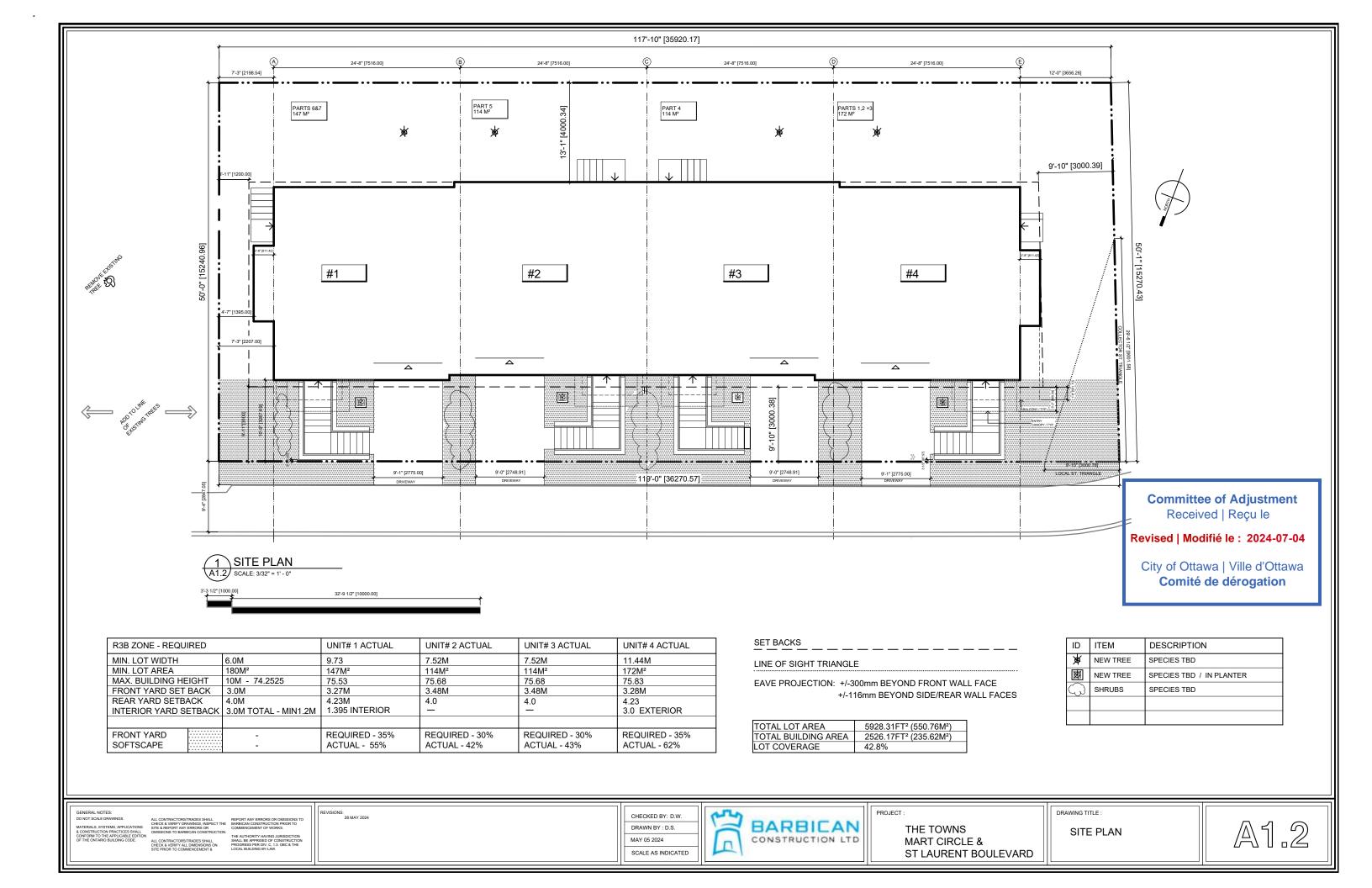
CITY OF OTTAWA

SERVICING & GRADING PLAN

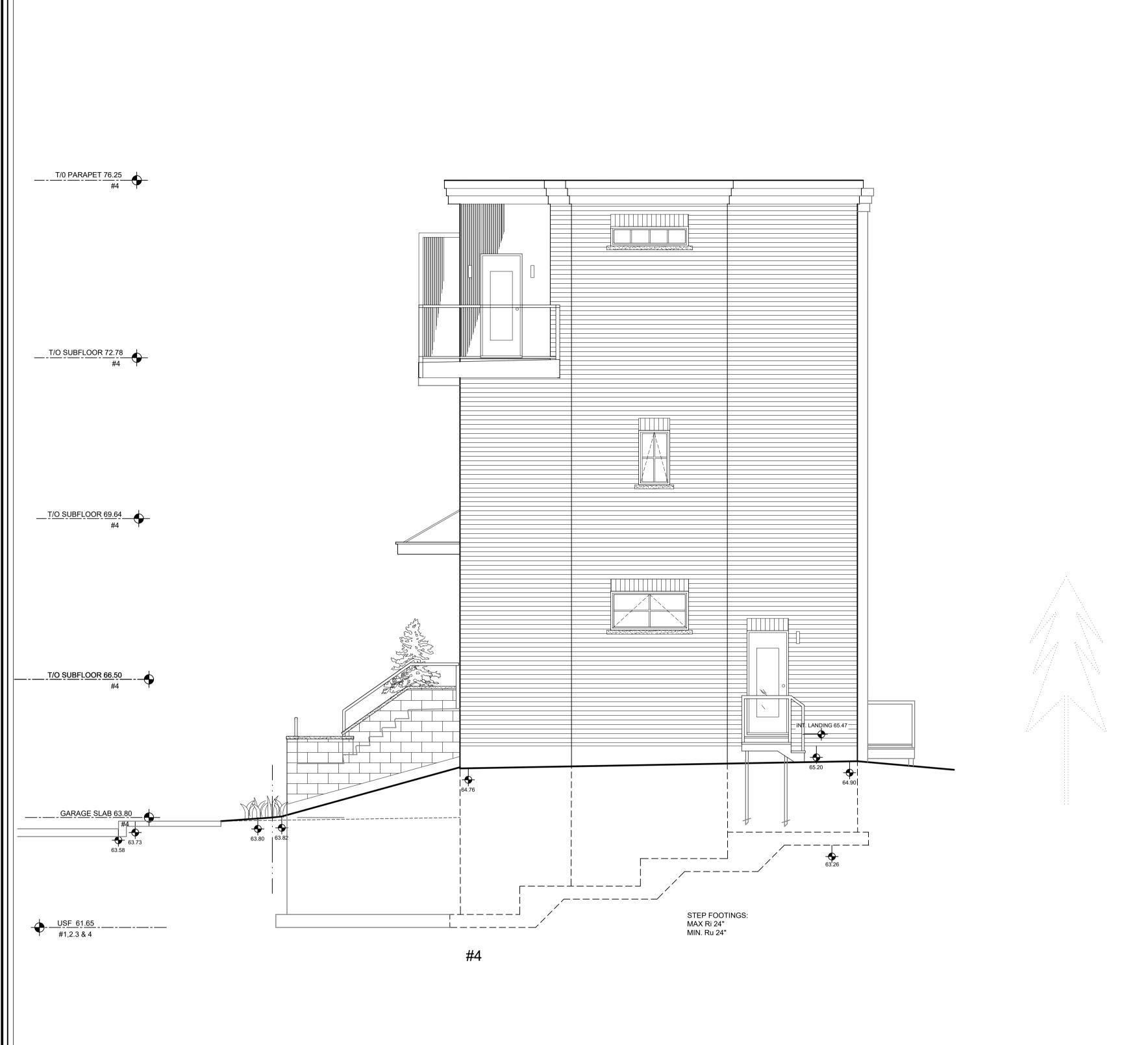
21085 FAIRHALL MOFFATT & WOODLAND LIMITED MAY 2024 DWG. No:

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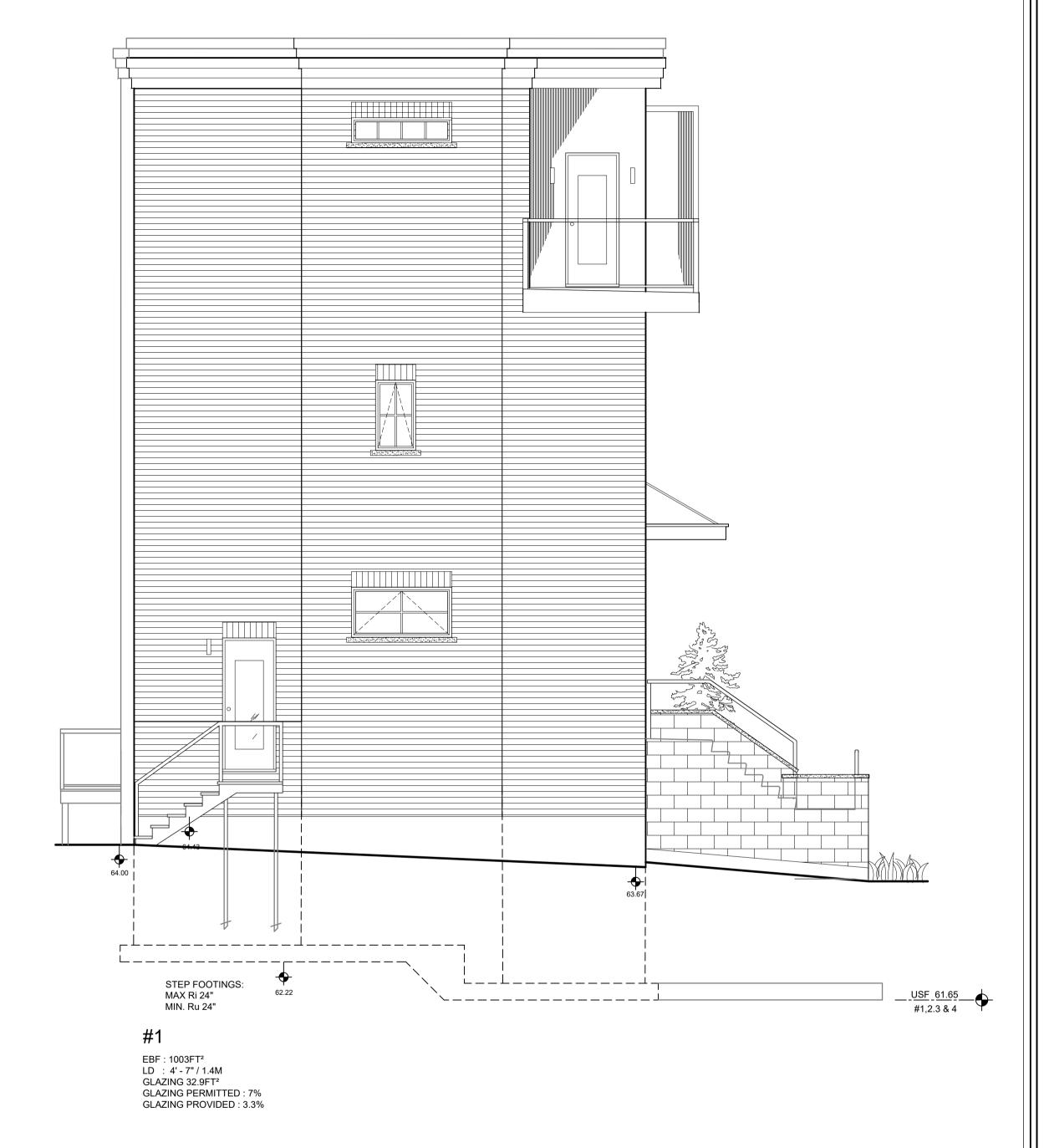








1 RIGHT / WEST ELEVATION
A4.2 SCALE: 1/4" = 1' - 0"



2 LEFT / EAST ELEVATION
SCALE: 1/4" = 1' - 0"

GENERAL NOTES: DO NOT SCALE DRAWINGS. MATERIALS, SYSTEMS, APPLICATIONS & CONSTRUCTION PRACTICES SHALL CONFORM TO THE APPLICABLE EDITION OF THE ONTARIO BUILDING CODE.

ALL CONTRACTORS/TRADES SHALL CHECK & VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT &

ALL CONTRACTORS/TRADES SHALL
CHECK & VERIFY DRAWINGS, INSPECT THE
SITE & REPORT ANY ERRORS OR
OMISSIONS TO BARBICAN CONSTRUCTION.

REPORT ANY ERRORS OR OMISSIONS TO
BARBICAN CONSTRUCTION. THE AUTHORITY HAVING JURISDICTION
SHALL BE APPRISED OF CONSTRUCTION
PROGRESS PER DIV. C, 1.3. OBC & THE
LOCAL BUILDING BY-LAW.

CHECKED BY: D.W. DRAWN BY : D.S. MAY 05 2024 SCALE AS INDICATED



PROJECT :

THE TOWNS MART CIRCLE & ST LAURENT BOULEVARD DRAWING TITLE :

SIDE - ELEVATIONS

