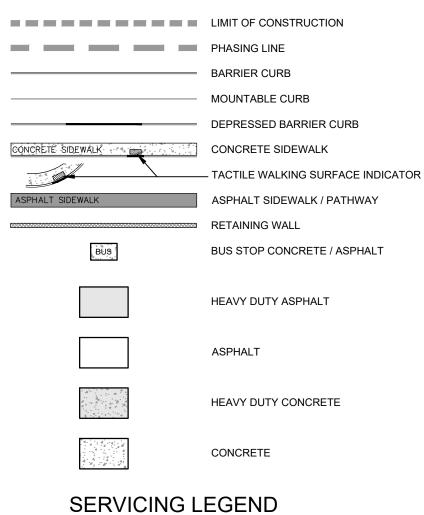


## GENERAL LEGEND



SERVICING LEGEND				
MH118A	SANITARY MANHOLE			
200mmØ SAN				
MH109 C	SANITARY SEWER			
MH118 825mmØ STM	STORM MANHOLE			
900mmØ STM	STORM SEWER - LESS THAN 900Ø			
SOUTHING CTIVI	STORM SEWER - 900Ø AND GREATER			
200Ø WATERMAIN	WATERMAIN			
CB100 T/G 104.10	STREET CATCHBASIN C/W TOP OF GRATE			
G/G 104.25	CURB INLET CATCHBASIN C/W GUTTER GRADE			
DCB100 T/G 104.10	DOUBLE CATCHBASIN C/W TOP OF GRATE			
DCICB101 G/G 104.25	DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE			
DI101 T/G 103.59	DITCH INLET MANHOLE C/W TOP OF GRATE			
CBMH101 T/G 103.59	CATCHBASIN MANHOLE C/W TOP OF GRATE			
RYCB T/G 104.35	REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE			
T/G 104.35 INV 103.35	REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT			
<del>O T/G</del> 104.50 1NV 103.50	REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT			
T/G 104.35 NV 103.35	REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT			
T/G 104.35 TNV 103.35	REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT			
	PERFORATED REAR YARD SUBDRAIN			
300mmØ CSP	CSP CULVERT C/W DIAMETER			
<b>⊗</b> V&VB	VALVE AND VALVE BOX			
<b>⊗</b> V&VC	VALVE AND VALVE CHAMBER			
<b>→</b> □	PARK VALVE CHAMBER C/W SERVICE POST			
→ HYD → 104.35	FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION			
200Ø WM RED 150Ø WM	WATERMAIN REDUCER			
2 VBENDS	VERTICAL BEND LOCATION			
	SIAMESE CONNECTION (IF REQUIRED)			
(M)	METER (IF REQUIRED)			
	REMOTE METER (IF REQUIRED)			
(\text{\ti}\text{\texit}}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	WATERMAIN IDENTIFICATION (IF REQUIRED)			
$\bigcirc$	PIPE CROSSING IDENTIFICATION (IF REQUIRED)			
	SINGLE SERVICE LOCATION			
BH 12	DOUBLE SERVICE LOCATION			
102.00	INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)			
HGL 101.79	100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE			
USF	UNDERSIDE OF FOOTING ELEVATION			
	CLAV SEAL IN SEWER / WATERMAIN TRENCH			

CLAY SEAL IN SEWER / WATERMAIN TRENCH

PRESSURE REDUCING VALVE

## **EXISTING LEGEND**

**APPROVED** 

By Kersten Nitsche at 3:01 pm, Jun 02, 2025

KERSTEN NITSCHE, MCIP RPP

MANAGER (A), DEVELOPMENT REVIEW WEST

PLANNING, DEVELOPMENT AND BUILDING SERVICES

**DEPARTMENT, CITY OF OTTAWA** 

<u>TOP</u>OF GRATE UNDERSIDE OF EAVE TOP OF FOUNDATION

CENTRELINE LOCATION OF ELEVATIONS

TOP OF CONCRETE CURB ELEVATION

PLAN 6943P&P02 UTILITY POLE ANCHOR LIGHT STANDARD

CATCH BASIN WATER STAND POST **GAS METER** 

BOLLARD AIR CONDITIONER BOARD FENCE

CONCRETE RETAINING WALL

METAL FENCE

TIMBER RETAINING WALL DECIDUOUS TREE

⊗ 
⊗ 
O
WATER VALVE, VALVE CHAMBER, FIRE HYDRANT SEWER MANHOLE, CATCH BASIN MANHOLE

CATCH BASIN / DRAINAGE, WING WALL, HEAD WALL ○ 💢 🔅 POLE, POLE W/ LIGHT, DECORATIVE, LAWN LIGHT POWER SUPPLY, PANEL, PEDESTAL,

TRANSFORMER, TOWER, REGULATOR AMP, HAND HOLE, VAULT, GAS VALVE

OC TRANSPO: BUS SHELTER-NO POWER, ENERGIZED, ISOLATED

STREETSCAPE: PLANTER BOX, GRATE SQUARE, ENG. SOIL TRAFFIC CONNECT BOX / DISCONNECT BOX, SL

## LANDSCAPE LEGEND



PROPOSED DECIDUOUS TREE





PROPOSED SHRUBS AND GRASSES



PROPOSED WOOD CHIP MULCH



PROPOSED CONCRETE WALKWAY



PROPOSED PEASTONE



PROPOSED MAGLIN 300 SERIES L-SERIES BACKED BENCH WITH IPE WOOD, END AND CENTRE ARMS AND SKATEBOARD DETERRENTS AS AVAILABLE FROM "MAGLIN SITE FURNITURE" AT "WWW.MAGLIN.COM"

PROPOSED 5 RING BIKE RACK

- 1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT
- 2. THE POSITION OF UNDERGROUND AND ABOVE GROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
- 3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ADJACENT LAND OWNER, THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
- 6. WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.
- 7. SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATE, AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
- 8. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT GEOTECHNICAL INVESTIGATION PROPPSED COMMERCIAL DEVELOPMENT 370 HUNTMAR DRIVE, OTTAWA ONTARIO, PG3045-1R, JUNE 26, 2014 PREPARED BY PATERSON GROUP INC.

HEAVY TRUCK PARKING AREAS AND ACCESS LANES: (690mm)
40mm - WEAR COURSE - SUPERPAVE 12.5 ASPHALTIC CONCRETE - BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE - BASE - OPSS GRANULAR "A" CRUSHED STONE 450mm - SUBBASE - OPSS GRANULAR "B" TYPE II SUBGRADE - EITHER IN SITU SOIL, FILL OR OPSS GRANULAR B TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

- WEAR COURSE - SUPERPAVE 12.5 ASPHALTIC CONCRETE 150mm - BASE - OPSS GRANULAR "A" CRUSHED STONE 400mm - SUBBASE - OPSS GRANULAR "B" TYPE II SUBGRADE - EITHER IN SITU SOIL, FILL OR OPSS GRANULAR B TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

- 9. FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY STANTEC GEOMATICS LTD. BENCHMARK BASED ON CAN--NET VIRTUAL REFERENCE SYSTEM NETWORK.
- 10. FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY DCA A GROUP OF ARCHITECTS, 201-1339 WELLINGTON ST. W, OTTAWA ONTARIO.
- 11. FOR NOISE ATTENUATION PLAN REFER TO \_\_\_\_\_\_ PREPARED BY \_\_\_\_\_
- 12. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES
- 13. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- 14. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- 15. REFER TO DRAWING \_\_\_\_\_ FOR ROADWAY CROSS SECTIONS (IF APPLICABLE).
- 16. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE START OF A SUBSEQUENT PHASE.
- 17. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPSD TRENCH WIDTH BE EXCEEDED.
- 19. ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.
- 20. SHOULD CLAY SEALS BE REQUIRED, THEY SHALL BE INSTALLED AS PER THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT.
- 21. UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS;
- -WATERMAINS TO BE PVC DR18
- -SANITARY SEWER TO BE PVC DR35 -PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE -STORM SEWERS 375mm DIAMETER AND LESS TO BE PVC DR35
- -STORM SEWERS 450mm DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR 807 030 OR HIGHER FOR SHALLOW SEWERS, REFER TO CITY STANDARD S35.
- 22. ALL CONNECTIONS TO EXISTING WATERMAINS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
- 23. ANY WATERMAIN WITH LESS THAN 2.4m AND ANY SEWER WITH LESS THAN 2.0m DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22 OR AS APPROVED BY THE
- 24. ALL FIRE HYDRANTS AS PER CITY STANDARD W19, c/w 150mmØ LEAD UNLESS OTHERWISE SPECIFIED.
- 25. ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
- 26. ALL CATCHBASINS SHALL HAVE A 600mm SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900mm, SHALL HAVE A 300mm SUMP.
- 27. ALL SANITARY MANHOLES IN PONDING AREAS SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
- 28. ALL LEADS FOR STREET CATCHBASIN'S AND CURB INLET CATCHBASIN'S CONNECTED TO MAIN SHALL BE 200mmø PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE 200mmø PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
- 29. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO -3.0m MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0m MINIMUM SUBDRAINS
- 30. INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
- CONTROLLED SETTLEMENT JOINT.

31. ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0m REQUIRE A

- 32. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE. AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
- 33. THE HGL PROVIDED IS BASED ON HYDRAULIC MODELING COMPLETED USING \_\_\_\_\_ AND THE 100 YEAR CHICAGO STORM EVENT (C3H10010).
- 34. THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 35. TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CCTV INSPECTION AND NECESSARY
- 36. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL
- 37. ALL RETAINING WALLS GREATER THAN 0.6m IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.

REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.

- 38. UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A CONFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.
- 39. WHERE APPLICABLE, SPECIAL DETAILED GRADING MAY BE REQUIRED AT TREE LOCATIONS TO PROMOTE DRAINAGE TO THE TREE ROOT ZONE, REFER TO DETAILS BY THE LANDSCAPE ARCHITECT, SUCH GRADING SHALL NOT INTERFERE WITH THE POSITIVE DRAINAGE OF OTHER SOFTSCAPE AREAS TO ITS DESIGNATED OUTLET. FOR TREE SOIL VOLUMES, SPECIES AND MINIMUM TREE SETBACK, REFER TO LANDSCAPE PLAN.

NOTES:

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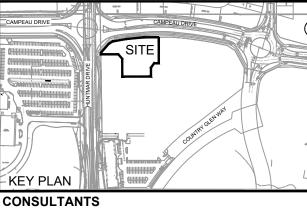
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Arcadis Professional Services (Canada) Inc.

ISSUE	S	
No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2024-11-13
2	REVISED AS PER CITY COMMENTS	2025-01-23
3	REVISED AS PER CITY COMMENTS	2025-03-07
4	REVISED AS PER CITY COMMENTS	2025-04-16
5	REVISED AS PER CITY AND MVCA COMMENTS	2025-04-30

SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS







PRIME CONSULTANT

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www.arcadis.com

PROJECT

MINTO DESIGN CENTRE 370 HUNTMAR DRIVE

PROJECT NO: 147391	
DRAWN BY: D.P.S.	CHECKED BY: D.G.Y.
PROJECT MGR: R.M.	APPROVED BY: R.M.

SHEET TITLE

**NOTES & LEGEND** 

SHEET NUMBER

ISSUE

147391\_ArcadiaCor -24-0148

