

NOTES: GENERAL

- DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
- ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT
- THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.
- THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO POWER, COMMUNICATION AND GAS LINES.
- ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
- REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPE DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED BY ANNIS O'SULLIVAN, VOLLEBERG LTD. DATED OCTOBER 24, 2022. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
- ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
- ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
- ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION, INCLUDING WATER PERMIT AND ROAD CUT PERMIT.
- MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.
- AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.
- CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR P.ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
- ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONDITIONS FROM THOSE INCLUDED IN REPORT.
- REPORT REFERENCES
 - DESIGN BRIEF, COWAN'S GROVE, 4791 BANK STREET - LEITRIM DEVELOPMENT AREA, PREPARED BY IBI GROUP, PROJECT NO. 103557 DATED MAY 2018.
 - GEOTECHNICAL INVESTIGATION FOR RUSSELL PUBLIC ELEMENTARY SCHOOL, PREPARED BY EXP DATED NOVEMBER, 2025.
- PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

NOTES: EROSION AND SEDIMENT CONTROL

** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES. **

- PRIOR TO START OF CONSTRUCTION:
 - INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C07.
 - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TECHNICAL DETAIL).
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
- DURING CONSTRUCTION:
 - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
 - PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WITHIN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
 - PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CBS AS REQUIRED.
 - PROVIDE TEMPORARY COVER, SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
 - INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
 - DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
 - DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
 - CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER).
 - NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
 - CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
 - DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
 - ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
 - TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
 - ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
 - 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.

SANITARY SEWER AND STRUCTURES

- ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, OR AS SPECIFIED, PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING.
- SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2.3.4.
- SEWER TRENCH AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
- ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01.
- MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
- ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER OPSD 1109.030, OR APPROVED BY THE ENGINEER.
- SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02.
- DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
- PROVIDE BACKWATER VALVE FOR BUILDING SANITARY SERVICES.

STORM SEWERS AND STRUCTURES

- ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, OR AS SPECIFIED, PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
- STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
- STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS 1000. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE ACCORDANCE WITH CSA A257.2. PIPE SHALL BE JOINTED WITH STD. RUBBER GASKETS AS PER CSA A257.3.
- SEWER TRENCH AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
- ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE ON DRAWINGS C01.
- ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER OPSD 1109.030, OR APPROVED BY THE ENGINEER.
- ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
- SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02.
- DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
- STORM SEWER MANHOLES SERVICING LOCAL SEWERS LESS THAN 900mm SHALL BE CONSTRUCTED WITH A 300mm SLUMP FOR STORM SEWERS 900mm AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701.021.
- STORM CATCHBASINS AS PER OPSD 705.010. STORM CBMHS AS INDICATED IN TABLE WITH SLUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
- INSTALLATION OF FLOW CONTROL ICDS TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.
- PROVIDE BACKWATER VALVE ON FOUNDATION DRAIN, STORM DISCHARGE, AND OVERFLOW DISCHARGE.
- ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS TO HAVE 150 M/M PERFORATED PIPE FOR 3.0M ON ALL AVAILABLE SIDES AT AN ELEVATION OF 300mm BELOW SUBGRADE LEVEL.

NOTES: PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

- CONTRACTOR TO REINSTATE ROAD CUTS AS PER TOWNSHIP DIRECTION.
- CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
- CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
- CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
- CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
- ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY CONSULTANT. CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHODOCATION.
- PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY, LIGHT DUTY AND BASKETBALL COURT AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

NOTES: WATERMAIN

- CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, OR AS SPECIFIED.
- EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS WILL BE COMPLETED BY THE CONTRACTOR. CONNECTION TO EXISTING WATERMAIN TO BE COMPLETED BY CONTRACTOR UNDER TOWNSHIP SUPERVISION.
- ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
- ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMANS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED. WHERE WATERMAIN CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER OPSD 1109.030.
- IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
- WATERMAIN THAT ARE 200mm DIAMETER OR LESS SHALL BE EQUIPPED WITH BUTTERFLY AND GATE VALVES AS PER OPSD 1100.011.
- ALL FIRE HYDRANTS, VALVE AND VALVE BOX SHALL CONFORM TO OPSD 1105.010.
- CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD 1103.020.
- REFER TO LANDSCAPE DRAWINGS FOR IRRIGATION SYSTEM REQUIREMENTS IF THERE ARE ANY.

| STRUCTURE ID | TOP OF | STRUCTURE INFO | | | | | | OUTLET | TYPE | |
|--------------|--------|----------------|-------|-------|--------|-------------|---------------------|---------------------|------|------------|
| | | INLET | INLET | INLET | OUTLET | SIZE | OPSD | | | COVER |
| CB01 | 92.50 | | | | 91.42 | 600X600mm | OPSD 705.010 | S19.1 | 250 | HDPE |
| CB02 | 92.50 | | | 91.11 | 91.10 | 600X600mm | OPSD 705.010 | S19.1 | 300 | PVC SDR-35 |
| CB03 | 92.50 | | | | 91.10 | 600X600mm | OPSD 705.010 | S19.1 | 200 | PVC SDR-35 |
| CB04 | 92.70 | | | | 91.30 | 600X600mm | OPSD 705.010 | S19.1 | 200 | PVC SDR-35 |
| CB05 | 92.50 | 90.95 | | | 90.90 | 600X600mm | OPSD 705.010 | S19.1 | 200 | PVC SDR-35 |
| LD06 | 92.50 | | | 91.28 | 91.28 | 300mm DIA. | REFER TO DETAIL S30 | REFER TO DETAIL S30 | 250 | HDPE |
| LD07 | 92.50 | | | 91.50 | 91.50 | 300mm DIA. | REFER TO DETAIL S30 | REFER TO DETAIL S30 | 250 | HDPE |
| LD08 | 92.50 | | | 91.18 | 91.18 | 300mm DIA. | REFER TO DETAIL S30 | REFER TO DETAIL S30 | 250 | HDPE |
| LD09 | 92.90 | | | | 91.83 | 300mm DIA. | REFER TO DETAIL S31 | REFER TO DETAIL S31 | 250 | HDPE |
| LD10 | 92.95 | | | 91.69 | 91.69 | 300mm DIA. | REFER TO DETAIL S30 | REFER TO DETAIL S30 | 250 | HDPE |
| LD11 | 92.85 | | | 91.54 | 91.54 | 300mm DIA. | REFER TO DETAIL S30 | REFER TO DETAIL S30 | 250 | HDPE |
| CBMH100 | 92.50 | | 90.78 | | 90.63 | 1200mm DIA. | OPSD 701.010 | S28.1 | 375 | PVC SDR-35 |
| CBMH101 | 92.75 | 90.99 | 90.63 | | 90.17 | 1200mm DIA. | OPSD 701.010 | S28.1 | 600 | CONC |
| STMH102 | 93.75 | | | | 90.12 | 1200mm DIA. | OPSD 701.010 | S24.1 | 600 | CONC |
| STMH103 | 94.01 | | 90.36 | | 90.08 | 1500mm DIA. | OPSD 701.011 | S24.1 | 600 | CONC |
| STMH104 | 94.07 | | | | 90.05 | 1500mm DIA. | OPSD 701.011 | S24.1 | 825 | CONC |
| STMH105 | 93.07 | | 90.80 | | 90.78 | 1200mm DIA. | OPSD 701.010 | S24.1 | 300 | PVC SDR-35 |

| STRUCTURE ID | TOP OF GRATE ELEVATION | INVERT | | | DESCRIPTION | | | |
|--------------|------------------------|--------|-------|--------|-------------|-------------|--------------|-----|
| | | INLET | INLET | OUTLET | SIZE | OPSD | COVER | |
| SANMH200 | 93.07 | | | 91.430 | 91.410 | 1200mm DIA. | OPSD-701.010 | S24 |
| SANMH201 | 93.82 | | | 91.180 | 91.120 | 1200mm DIA. | OPSD-701.010 | S24 |

| Pavement Layer | Compaction Requirements | Computed Pavement Structure | | |
|---|-------------------------|-------------------------------------|----------------------------------|---|
| | | Light Duty Parking (Cars Only) | Light Duty Parking (Playground) | Heavy Duty (Access Roads) |
| Asphaltic Concrete | 92-97 percent MRD | 65mm HL3/SP12.5 mm/Cat.B (PG 58-34) | 50mm HL3/SP12.5 Cat.B (PG 58-34) | 50mm HL3/SP12.5 Cat.B 60mm HL8/SP19 Cat.B (PG 64-28) |
| OPSS 1010 Granular A Base (crushed limestone) | 100 percent SPMD | 150mm | 150mm | 150mm |
| OPSS 1010 Granular B Type II Sub-base | 100 percent SPMD | 300mm | 200mm | 450mm |

| STATION | DESCRIPTION | FINISHED GRADE | TOP OF WATERMAIN | COVER |
|---------------------------------|------------------------------------|----------------|------------------|-------|
| | | | | |
| 0+000.00 | Connect to EX.250mm DIA. Watermain | 93.81 | 91.410 | 2.40 |
| 0+000.29 | 45° Bend | 93.81 | 91.410 | 2.40 |
| 0+001.20 | 45° Bend | 93.94 | 91.540 | 2.40 |
| 0+089.72 | 45° Bend | 93.25 | 90.850 | 2.40 |
| 0+091.59 | 45° Bend | 93.19 | 90.790 | 2.40 |
| 0+096.10 | 45° Bend | 93.27 | 90.870 | 2.40 |
| 0+096.89 | 45° Bend | 93.28 | 90.880 | 2.40 |
| 0+098.00 | Connect to proposed building | 93.30 | 90.900 | 2.40 |
| 200mm WATERMAIN SERVICE (1+000) | | | | |
| 1+000.00 | Connect to EX.250mm DIA. Watermain | 92.87 | 90.470 | 2.40 |
| 1+008.00 | 200mm VB | 93.21 | 90.810 | 2.40 |
| 1+015.91 | 200x200x200mm Tee Connection | 93.28 | 90.880 | 2.40 |
| 1+017.00 | Connect to proposed building | 93.30 | 90.900 | 2.40 |

G. Wildman

GERALDINE WILDMAN
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By wildmange at 9:52 am, Apr 27, 2026

EXISTING LEGEND

- EXISTING CURB
- EXISTING CENTERLINE OF ROAD
- EXISTING TOP OF SLOPE
- EXISTING BOTTOM OF SLOPE
- EXISTING POWER HYDRO
- EXISTING BELL
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER (SIZE OVER 1000mmØ)
- EXISTING CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- EXISTING SEWER FLOW DIRECTION

PROPOSED LEGEND

- PROPOSED CURB
- PROPERTY LINE
- PROPOSED TOP OF SLOPE
- PROPOSED SWALE
- PROPOSED FENCE
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- PROPOSED SUB DRAIN
- 100YR PONDING LIMIT
- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE (1200mmØ)
- PROPOSED STORM MANHOLE (1500mmØ)
- PROPOSED CATCH BASIN MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED LANDSCAPE DRAIN
- PROPOSED WATER VALVE
- PROPOSED TEE CONNECTION
- PROPOSED 45° BEND
- PROPOSED FIRE HYDRANT
- PROPOSED BUILDING
- LIGHT DUTY PAVEMENT
- HEAVY DUTY PAVEMENT
- CONCRETE PAVEMENT
- ENGINEERED WOOD FIBER
- PROPOSED ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED SWALE ELEVATION
- TIE-IN TO EXISTING ELEVATION
- PROPOSED SLOPE
- OVERLAND FLOW DIRECTION

REMOVAL LEGEND

- CURB REMOVAL
- STORM SERVICE REMOVAL
- CONCRETE SIDEWALK REMOVAL
- ASPHALT PAVEMENT REMOVAL

ESC LEGEND

- 93.54
- 93.53TC
- 92.81(9)
- 92.87EX
- 1.6%
- Filter Cloth Protection
- Silt Fence
- Mut Mat

DRAINAGE AREA LEGEND

- Drainage Area Symbol
- Drainage Area Boundary

Écoles catholiques Centre-Est

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171 Slater St., Suite 100, Ottawa, Ontario, K1P 5H7
Tel: (613) 238-1944 Telephone: (613) 238-1735 Email: info@ejcuhaci.com

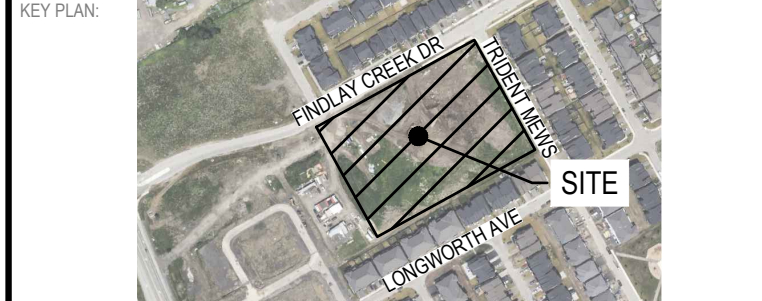
wsp

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OTTAWA ONTARIO CANADA K2B 8K2
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OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST 4000, RUE LABELLE, OTTAWA, ON K1J 1A1



PROFESSIONAL ENGINEER

W. ZHUANG
100231427
2026-02-11
PROVINCE OF ONTARIO

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BEARING NOTE: BEARINGS ARE GRID DERIVED FROM SOUTHERLY LIMIT OF BLOCK 224 REGISTERED PLAN 484-1624 SHOWN TO BE N60°24'07" AND ARE REFERRED TO THE CENTRAL MERIDIAN OF 89°49'06" WEST LONGITUDE 846393 (ORIGINAL). BENCHMARK #1 N 502094.33 @ 375079.61 @ 2.95.00 BENCHMARK #2 N 502093.41 @ 375079.61 @ 2.94.91

NORTHING

| ISSUED FOR - REVISION | NO. | DATE | DESCRIPTION |
|-----------------------|-----|------------|---------------------------|
| | 1 | 2026-02-11 | REVISED PER CITY COMMENTS |
| | 1 | 2025-12-05 | ISSUED FOR SPA |

| PROJECT NO: | DATE: |
|----------------|------------|
| CA0058595.7884 | 2026-02-11 |
| DESIGNED BY: | DATE: |
| A.Z. | |
| DRAWN BY: | DATE: |
| J.T. | |
| CHECKED BY: | DATE: |
| A.Z. | |
| DISCIPLINE: | CIVIL |

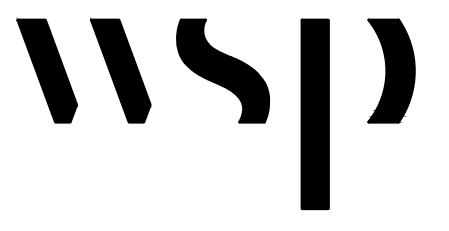
NOTES AND LEGEND

SHEET NUMBER: **C01**

SHEET # OF: 2

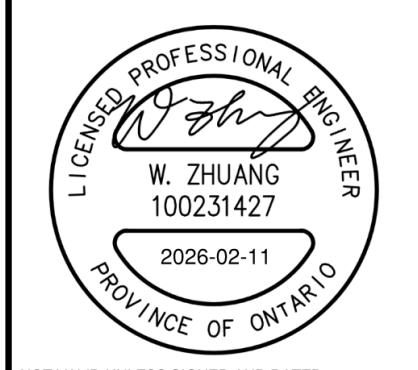
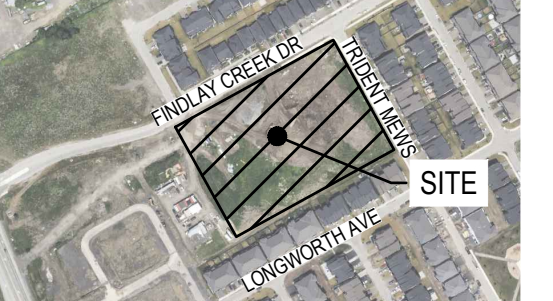
ISSUE: **REVISED PER CITY COMMENTS**

DATE OF: 2026-02-11



300-2611 QUEENSWAY DRIVE
 OTTAWA ONTARIO CANADA K2B 8K2
 TEL: 1-613-829-2800 | FAX: 1-613-829-6299 | WWW.WSPGROUP.COM

PROJECT:
CECCE LEITRIM ELEMENTARY SCHOOL
 3290 FINLAY CREEK
 OTTAWA, ON
 CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST 4000, RUE LABELLE, OTTAWA, ON K1J 1A1



NOT VALID UNLESS SIGNED AND DATED

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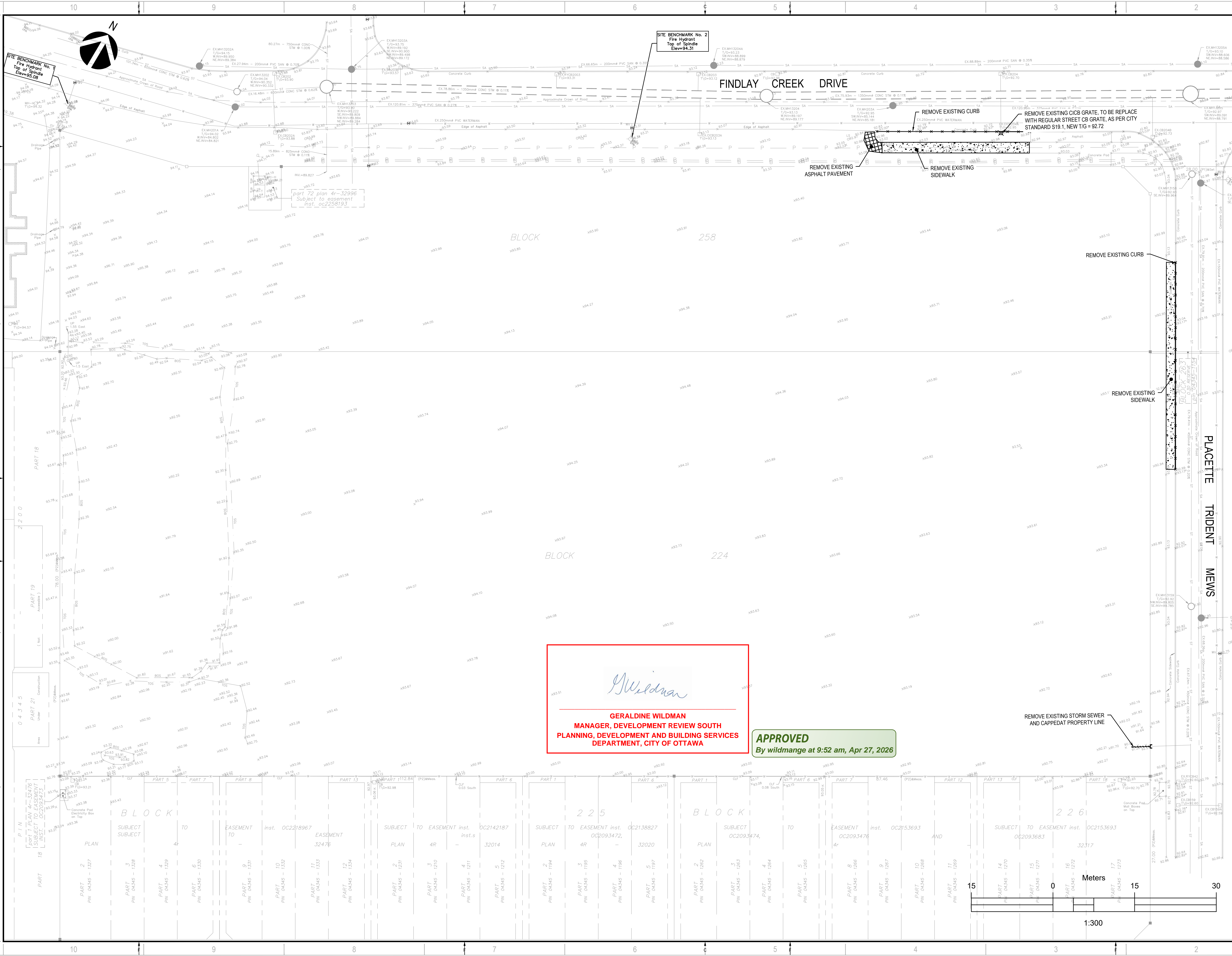
BEARING NOTE: BEARINGS ARE GRID DERIVED FROM SOUTHERLY LIMIT OF BLOCK 224 REGISTERED PLAN 484-1624 SHOWN TO BE N69°24'20" E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF THE ZONE 18° 30' WEST LONGITUDE NAD 83 (ORIGINAL). BENCHMARK #1 N 502094.33 E 370979.61 Z 95.08 BENCHMARK #2 N 502093.41 E 370979.61 Z 94.91

NORTHING:

| ISSUED FOR - REVISION | DATE | DESCRIPTION |
|-----------------------|------------|---------------------------|
| 1 | 2026-02-11 | REVISED PER CITY COMMENTS |
| 1 | 2025-12-05 | ISSUED FOR SPA |

| | | | |
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| PROJECT NO: | CA0058595.7684 | DATE: | 2026-02-11 |
| ORIGINAL SCALE: | 1:300 | IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. | |
| DESIGNED BY: | A.Z. | | |
| DRAWN BY: | J.T. | | |
| CHECKED BY: | A.Z. | | |
| DISCIPLINE: | CIVIL | | |
| TITLE: | REMOVAL PLAN | | |

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| SHEET NUMBER: | C03 | | |
| SHEET #: | OF | REV #: | 2 |
| ISSUE: | REVISED PER CITY COMMENTS | | |
| DATE OF: | 2026-02-11 | | |



G. Wildman

GERALDINE WILDMAN
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, DEVELOPMENT AND BUILDING SERVICES
 DEPARTMENT, CITY OF OTTAWA

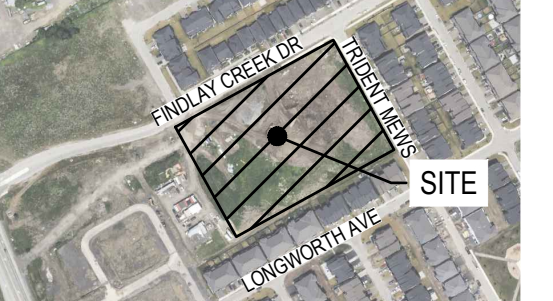
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 By wildmange at 9:52 am, Apr 27, 2026



300-2611 QUEENSWAY DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL: 1-613-828-2800 | FAX: 1-613-828-6299 | WWW.WSPGROUP.COM

CECCE LEITRIM ELEMENTARY SCHOOL

3290 FINLAY CREEK
OTTAWA, ON
CONSEIL DES ÉCOLES CATHOLIQUES DU CENTRE-EST 4000, RUE LABELLE, OTTAWA, ON K1J 1A1



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BEARING NOTE: BEARINGS ARE GRID DERIVED FROM SOUTHERLY LIMIT OF BLOCK 224 REGISTERED PLAN 484-1624 SHOWN TO BE NIP 24270E AND ARE REFERRED TO THE CENTRAL MERIDIAN 87° 49' 30" WEST LONGITUDE HAS 93 ORIGINAL BENCHMARK #1 N 502094.33 E 370979.61 Z 235.08 BENCHMARK #2 N 502093.41 E 370979.61 Z 241.31

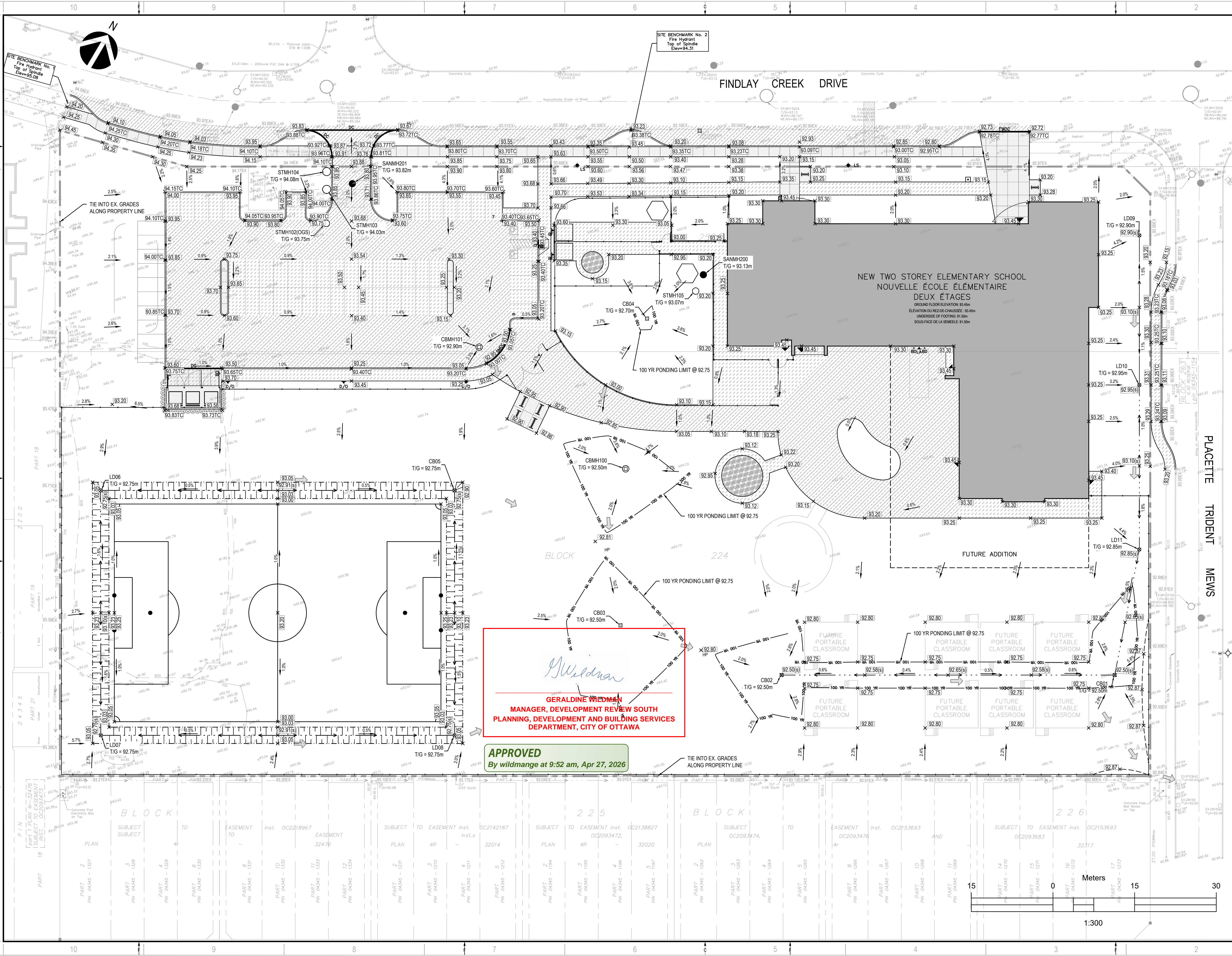
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| PROJECT NO: | DATE: |
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| ORIGINAL SCALE: | IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. |
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| CIVIL | GRADING PLAN |

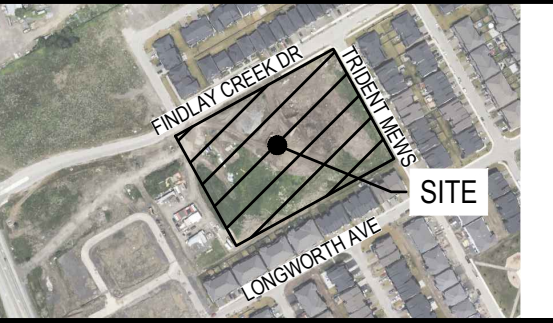
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| C04 | | 2 |



G. Wildman
GERALDINE WILDMAN
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By wildmange at 9:52 am, Apr 27, 2026

| PLAN | SUBJECT | TO | EASEMENT | inst. | inst. | PLAN | SUBJECT | TO | EASEMENT | inst. | inst. | PLAN | SUBJECT | TO | EASEMENT | inst. | inst. |
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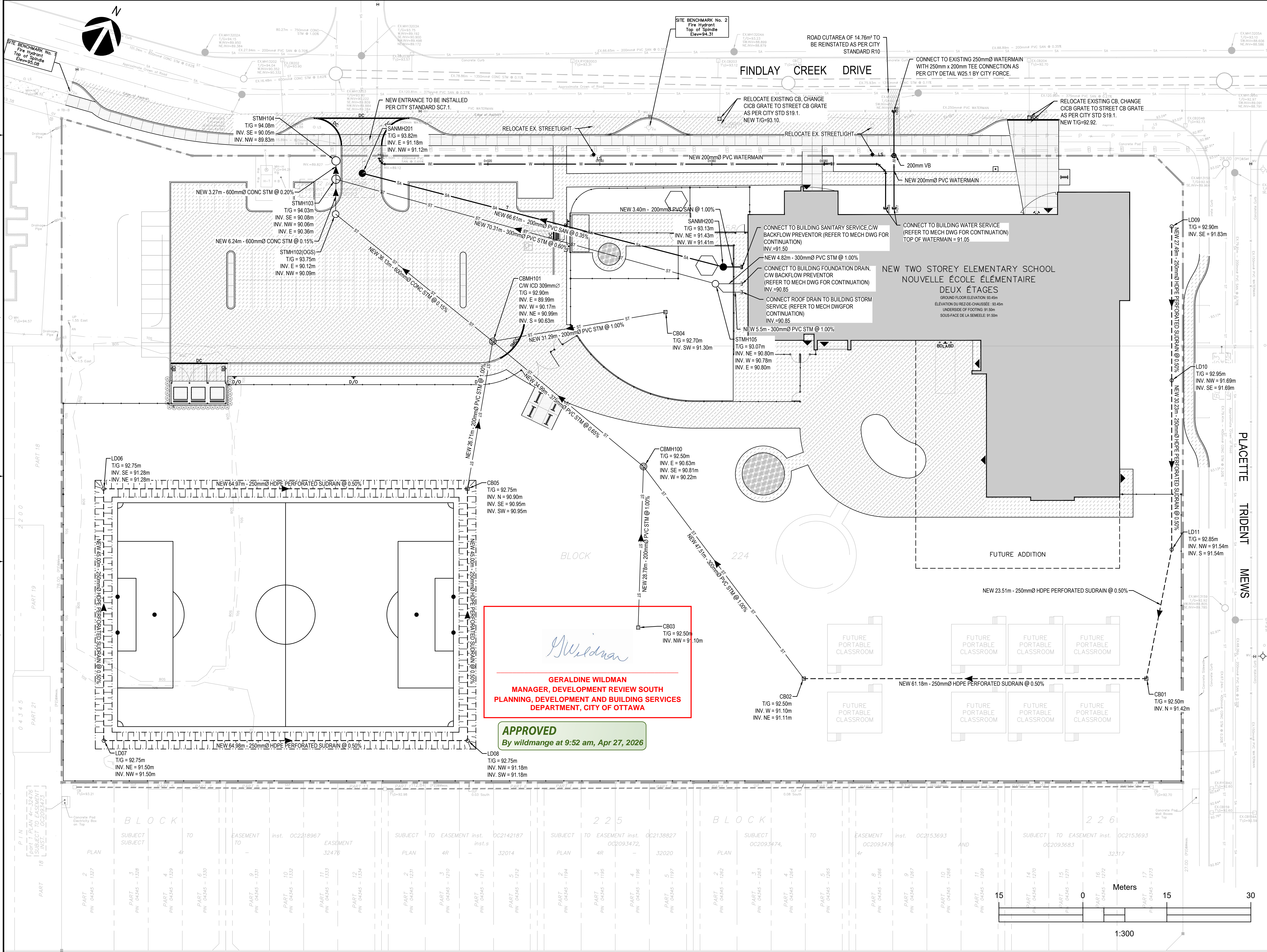


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NORTHING

| ISSUED FOR - REVISION | DATE | DESCRIPTION |
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| 1 | 2026-02-11 | REVISED PER CITY COMMENTS |
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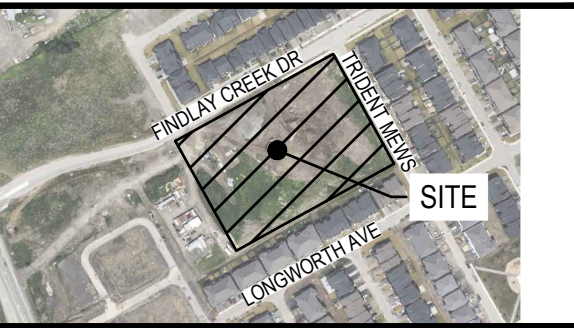
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| ORIGINAL SCALE: | IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. |
| 1:300 | |
| DESIGNED BY: | DRAWN BY: |
| A.Z. | J.T. |
| CHECKED BY: | DISCIPLINE: |
| A.Z. | CIVIL |
| TITLE: | SERVICING PLAN |
| SHEET NUMBER: | C05 |
| SHEET #: | OF |
| ISSUE: | REVISED PER CITY COMMENTS |
| DATE OF: | 2026-02-11 |
| REV #: | 2 |



G. Wildman
GERALDINE WILDMAN
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By wildmange at 9:52 am, Apr 27, 2026

| PLAN | SUBJECT | TO | EASEMENT | inst. | inst.s | PLAN | SUBJECT | TO | EASEMENT | inst. | inst.s | PLAN | SUBJECT | TO | EASEMENT | inst. | inst.s |
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| PART 3 PW 04345 - 1332 | | | | | | PART 3 PW 04345 - 1332 | | | | | | PART 3 PW 04345 - 1332 | | | | | |
| PART 4 PW 04345 - 1333 | | | | | | PART 4 PW 04345 - 1333 | | | | | | PART 4 PW 04345 - 1333 | | | | | |
| PART 5 PW 04345 - 1334 | | | | | | PART 5 PW 04345 - 1334 | | | | | | PART 5 PW 04345 - 1334 | | | | | |



NOT VALID UNLESS SIGNED AND DATED

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BEARING NOTE: BEARINGS ARE GRID, DERIVED FROM SOUTHERLY LIMIT OF BLOCK 224 REGISTERED PLAN 464-1624 SHOWN TO BE N60°24'00" E AND ARE REFERRED TO THE CENTRAL MERIDIAN OF THE ZONE 18 UTM WEST LONGITUDE HAS-93 (ORIGINAL). BENCHMARK # N 502054.33 E 370979.61 Z 95.08 BENCHMARK # N 502053.41 E 370979.61 Z 95.08

NORTHING

| ISSUED FOR - REVISION | DATE | DESCRIPTION |
|-----------------------|------------|---------------------------|
| 1 | 2026-02-11 | REVISED PER CITY COMMENTS |
| 1 | 2025-12-05 | ISSUED FOR SPA |

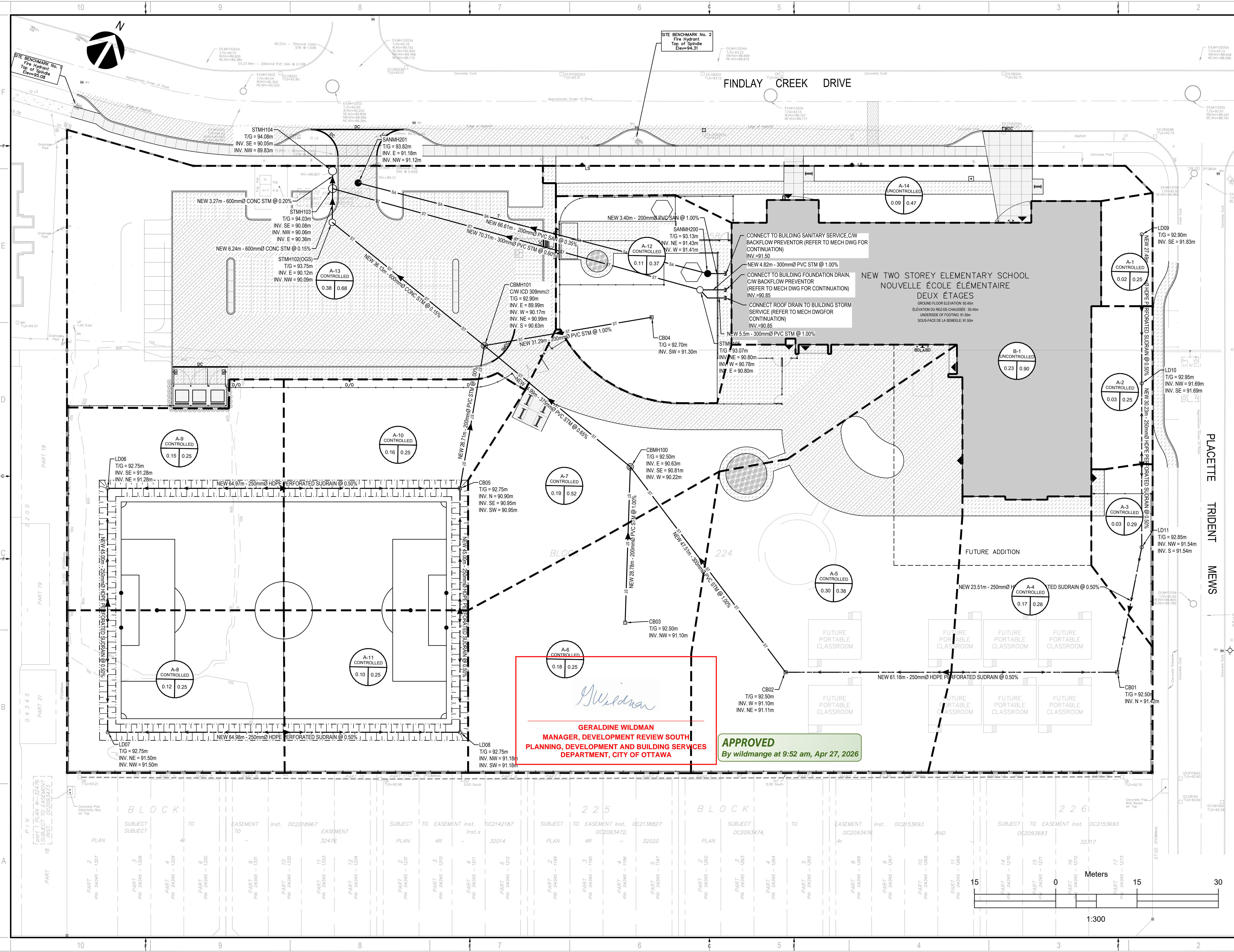
| PROJECT NO: | DATE: |
|----------------|------------|
| CA0058595.7684 | 2026-02-11 |

| ORIGINAL SCALE: | IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. |
|-----------------|---|
| 1:300 | |

| DESIGNED BY: | DATE: |
|--------------|-------|
| A.Z. | |

| DISCIPLINE: | TITLE: |
|-------------|-------------------------|
| CIVIL | POST-DRAINAGE AREA PLAN |

| SHEET NUMBER: | OF |
|---------------|----|
| C07 | 2 |



G. Wildman
GERALDINE WILDMAN
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By wildmange at 9:52 am, Apr 27, 2026

PACLETTE TRIDENT MEWS

