GENERAL NOTES AND SPECIFICATIONS

1. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPSD SUPPLEMENT. ONTARIO PROVINCIAL STANDARDS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.

2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.

3. SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.

4. CONTRACTOR TO CONFIRM TIE-IN ELEVATIONS TO EXISTING INFRASTRUCTURE PRIOR TO INITIATING CONSTRUCTION AND INFORM THE ENGINEER OF ANY DISCREPANCY FROM THE AS-BUILT INFORMATION REFERENCED ON THE DRAWINGS

5. ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER & THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 ,OPSS 310, AND CITY OF OTTAWA R10.

6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.

7. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN THAT WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING STORM SEWERS OR DRAINAGE DURING CONSTRUCTION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT BE LIMITED TO CATCH BASINS INSERTS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS.

8. SITE PLAN PREPARED BY: M. DAVID BLAKELY ARCHITECT INC. DATED OCTOBER 28, 2026.

9. ORIGINAL CONDITIONS TOPOGRAPHIC SURVEYS SUPPLIED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD., DATED APRIL 12, 2024 AND JUNE 12, 2024.

   BEARINGS ARE GRID, DERIVED FROM CAN-NET 2016 REAL TIME NETWORK GPS OBSERVATIONS AND ARE REFERENCED TO SPECIFIED CONTROL POINTS 01919680184 AND 01919843476 1, MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL).

   ELEVATIONS SHOWN ARE GEODETIC, AND ARE DERIVED FROM SITE BENCHMARK PER ARCHIVES FROM ANNIS O'SULLIVAN VOLLEBEKK LIMITED, AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM.

   APRIL 12, 2024 BENCHMARK 1: MAGNETIC NAIL (RENAUD ROAD SOUTHEAST OF PROPOSED SITE).
   ELEVATION = 87.42

   APRIL 12, 2024 BENCHMARK 2: FIRE HYDRANT TOP OF SPINDLE (COMPASS STREET NORTHEAST OF PROPOSED SITE).
   ELEVATION = 87.63

   JUNE 12, 2024 BENCHMARK 1: MAGNETIC NAIL - SET IN WOODEN UTILITY POLE (INTERSECTION OF RENAUD ROAD AND MELODIE STREET).
   ELEVATION = 87.21

   JUNE 12, 2024 BENCHMARK 2: FIRE HYDRANT TOP OF SPINDLE (MELODIE STREET NORTHWEST OF PROPOSED SITE).
   ELEVATION = 87.68

1. REFER TO LANDSCAPE ARCHITECTURE PLAN FOR ALL LANDSCAPING FEATURES (ie. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES etc.)

2. GEOTECHNICAL REPORT No. PG6405-1 REV 3 DATED JUNE 24, 2025 PREPARED BY PATERSON GROUP. GEOTECHNICAL INFORMATION PRESENTED ON THESE DRAWINGS MAY BE INTERPOLATED FROM THE ORIGINAL REPORT. REFER TO ORIGINAL GEOTECHNICAL REPORT FOR ADDITIONAL DETAILS AND TO VERIFY ASSUMPTIONS MADE HEREIN.

3. STREET LIGHTING TO CITY OF OTTAWA STANDARDS.

4. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.

5. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE CONTRACT ADMINISTRATOR AND PROJECT ENGINEER HAS BEEN OBTAINED.

6. HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE TO BE NOTIFIED IF DEEPLY BURRIED ARCHEOLOGICAL REMAINS ARE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES.

ROADWORKS

1. ALL TOPSOIL AND ORGANIC MATERIAL TO BE STRIPPED FROM WITHIN THE FULL RIGHT OF WAY PRIOR TO CONSTRUCTION.

2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.30m LAYERS.

3. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 99% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).

4. ROAD SUBDRAINS SHALL BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD R1.

5. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.

6. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING.

7. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R10, AND OPSD 509.010, AND OPSS 310.

8. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC1.1 AND SC1.3 (BARRIER OR MOUNTABLE CURB AS SHOWN ON DRAWINGS).

9. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER CITY STANDARDS SC3 AND SC1.4.

10. ASPHALT MULTI-USE PATHWAYS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC20.

11. AS PER RECOMMENDATIONS IN GEOTECHNICAL REPORT No. PG6405-1 REV 3 DATED JUNE 24, 2025 PREPARED BY PATERSON GROUP CLAY SEALS SHALL BE PROVIDED IN THE SERVICE TRENCHES. THE SEALS SHOULD BE AT LEAST 1.5 m LONG AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. THE SEALS SHOULD EXTEND FROM THE FROST LINE AND FULLY PENETRATE THE BEDDING, SUB-BEDDING AND COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 225 mm THICK LOOSE LAYERS AND COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S SPMDD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60 m INTERVALS IN THE SERVICE TRENCHES

12. PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL REPORT No. PG6405-1 REV 3 DATED JUNE 24, 2025 PREPARED BY PATERSON GROUP:

    DRIVEWAYS AND CAR ONLY PARKING AREAS
    50mm HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
    150 OPSS GRANULAR 'A' BASE
    300 OPSS GRANULAR 'B' TYPE II SUBBASE

    ACCESS LANES AND LOCAL ROADWAYS
    40mm SUPERPAVE 12.5 ASPHALTIC CONCRETE
    50mm SUPERPAVE 19.0 ASPHALTIC CONCRETE
    150 OPSS GRANULAR 'A' BASE
    450 OPSS GRANULAR 'B' TYPE II SUBBASE

WATER SUPPLY SERVICING

1. THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS & SHALL CO-ORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL.

2. WATERMAIN PIPE MATERIAL SHALL BE PVC CL.150 DR18. DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED 1/2 OF THAT SPECIFIED BY THE MANUFACTURER. PVC WATERMAINS TO BE INSTALLED WITH TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W36.

3. WATER SERVICES ARE TO BE PEX TUBING AS PER CITY OF OTTAWA STANDARD W26 (UNLESS OTHERWISE NOTED). WATER SERVICE TO EXTEND 2.0m BEYOND PROPERTY LINE. STAND POST TO BE INSTALLED AT PROPERTY LINE. ROLL OF PEX MIN 8mILONG TO BE LEFT. NOTE : 20mm INSIDE DIAMETER REQUIRED UNLESS OTHERWISE NOTED.

4. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W18 AND W19.

5. WATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W24.

6. WATERMAIN TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL TO BE SPECIFIED BY PROJECT GEOTECHNICAL CONSULTANT.

7. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 2400mm FROM ANY CATCHBASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED CB'S ON THE W/M STREET SIDE WHERE 2400mm SEPARATION CANNOT BE ACHIEVED.(AS PER CITY OF OTTAWA W22 & W23)

8. CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.

9. THRUST BLOCKS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25.3 AND W25.4.

10. WATERMAIN TO HAVE MIN. 2.4m COVER. WHERE WATERMAIN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W22.

11. WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W25 AND W25.2.

12. WHERE REQUIRED PRESSURE REDUCING VALVES (PRV'S) TO BE INSTALLED AS PER ONTARIO PLUMBING CODE.

STORM AND SANITARY SEWERS

1. STORM AND SANITARY SEWERS 375mm DIA. OR SMALLER SHALL BE PVC SDR35. SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA A 257.2 CLASS 100D AS PER OPSD 807.010.

2. ALL STORM AND SANITARY SEWER BEDDING SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S6 AND S7. CLASS 'B' BEDDING, UNLESS OTHERWISE NOTED. SUITABLE BEDDING AND COVER MATERIAL TO BE SPECIFIED BY THE GEOTECHNICAL CONSULTANT.

3. STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-701.01 (UNLESS OTHERWISE NOTED) c/w FRAME AND COVER AS PER CITY OF OTTAWA S24, S24.1, AND S25 WHERE APPLICABLE. CATCH BASIN MANHOLE FRAME AND COVERS PER S19. S28. AND S28.1 WHERE APPLICABLE. ALL STORM MANHOLES WITH SEWERS 900mm DIA SEWERS AND OVER IN SIZE SHALL BE BENCHED. ALL OTHER STORM MANHOLES SHALL BE COMPLETED WITH 300mm SUMPS AS PER CITY STANDARDS. SANITARY MANHOLES SHALL NOT HAVE SUMPS.

4. ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS TO BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.

5. FOR STORM SEWER INSTALLATION (EXCLUDING CB LEADS) THE MINIMUM DEPTH OF COVER OVER THE CROWN OF THE SEWER IS 2.0m. FOR SANITARY SEWERS THE MINIMUM DEPTH OF COVER IS 2.5m OVER PIPE OBVERT.

6. ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES AS PER S14. ALL SANITARY SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES AS PER S14.1.

7. STORM AND SANITARY SERVICE LATERALS TO BE SDR 28 INSTALLED AT MIN. 1.0% SLOPE. SINGLE STORM SERVICES TO BE 150mmØ. SINGLE SANITARY SERVICES TO BE 135mmØ. (SERVICES TO EXTEND 2.0m BEYOND PROPERTY LINE)

8. CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS c/w FRAME AND GRATE. REAR YARD CB'S SHALL BE AS PER S19.1. STREET CB'S AS PER S2 AND S19. AND CURB INLET CB'S AS PER S3. S22 AND S23. PROVIDE 150mm ADJUSTED SPACERS. ALL CATCH BASINS SHALL HAVE SUMPS (600mm DEEP). STREET CATCH BASIN LEADS SHALL BE 200mm DIA.(MIN) PVC SDR 35 AT 1.0% GRADE WHERE NOT OTHERWISE SHOWN ON PLAN. CATCH BASINS WILL BE INSTALLED WITH INLET CONTROL DEVICES (ICD) AS PER ICD SCHEDULE ON STORM DRAINAGE PLAN.

9. STREET CATCH BASINS TO BE INSTALLED c/w SUBDRAINS 3m LONG IN FOUR ORTHOGONAL DIRECTIONS OR LONGITUDINALLY WHEN PLACED ALONG A CURB, AND AT AN ELEVATION OF 300mm BELOW SUBGRADE LEVEL.

10. REAR LOT PERFORATED PIPE TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD S29. REAR LOT STRUCTURES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD S30 AND S31.

11. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 99% STANDARD PROCTOR DENSITY.

12. CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.

13. ANY SEWER ABANDONMENT TO BE CONDUCTED ACCORDING TO CITY OF OTTAWA STANDARD S11.4

14. ENGINEERED FILL TO BE REQUIRED UNDER SEWERS WHERE SEWER BEDDING IS ABOVE THE ORIGINAL GROUND SURFACE.

15. SANITARY MAINTENANCE HOLES WITHIN PONDING AREAS TO BE EQUIPPED WITH WATER-TIGHT FRAME AND COVER.

GRADING

1. ALL GRANULAR BASE & SUB BASE COURSE MATERIALS SHALL BE COMPACTED TO 99% STANDARD PROCTOR MAX. DRY DENSITY.

2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.30m LAYERS.

3. ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. WITH SOD ON MIN. 100mm TOPSOIL. THE RELOCATION OF TREES AND SHRUBS SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR ENGINEER.

4. 100 YEAR PONDING DEPTH TO BE 0.35m (MAXIMUM).

5. EMBANKMENTS TO BE SLOPED AT MAX. 3:1, UNLESS OTHERWISE SPECIFIED.

6. ALL SWALES TO BE CONSTRUCTED AS PER CITY STANDARD S29.

7. ALL ROOF DOWNSPOUTS TO DISCHARGE TO THE GROUND ONTO SPLASH PADS AND SHALL NOT BE DIRECTED TO THE STORM SEWER OR THE BUILDING FOUNDATION DRAIN.

8. TOP OF GRATE (T/G) ELEVATIONS FOR ALL STREET CATCHBASINS SHOWN ON PLANS REFER TO THE ELEVATION AT EDGE OF PAVEMENT OR GUTTERLINE WHERE APPLICABLE.

9. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT ARE TO BE DESIGNED, APPROVED, AND STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.

10. FENCES OR RAILINGS ARE REQUIRED FOR RETAINING WALLS GREATER THAN 0.60m IN HEIGHT.

11. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.

12. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.

13. REFER TO DRAWINGS ECDS-1 FOR EROSION AND SEDIMENT CONTROL DETAILS.

14. ENGINEERED FILL TO BE REQUIRED UNDER FOOTINGS WHERE THE UNDERSIDE OF FOOTING IS ABOVE THE ORIGINAL GROUND SURFACE.

15. ALL DRIVEWAYS SHALL BE CONSTRUCTED WITH MINIMUM 2% TO MAXIMUM 6% SLOPES.

16. ALL LANDSCAPED AREAS SHALL BE CONSTRUCTED WITH MINIMUM 2% TO MAXIMUM 7% SLOPES. AREAS EXCEEDING 7% SHALL BE TERRACED TO A MAXIMUM OF 3:1 SLOPE.

EXISTING CONDITIONS AND REMOVALS PLAN:

- ORIGINAL GROUND ELEVATION
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- EXISTING BELL
- EXISTING GAS
- EXISTING HYDRO
- EXISTING CABLE
- EXISTING STREETLIGHT
- EXISTING TRAFFIC
- EXISTING UNKNOWN
- EXISTING OVERHEAD WIRE

GRADING PLAN:

- ORIGINAL GROUND ELEVATION
- PROPOSED ELEVATION
- EXISTING ELEVATION
- 2.0% — FLOW DIRECTION AND GRADE
- FF=99.99 — FINISHED FIRST FLOOR ELEVATION
- TF=99.84 — TOP OF FOUNDATION WALL ELEVATION
- USF=97.14 — UNDERSIDE OF FOOTING ELEVATION
- 3R — NUMBER OF RISERS
- E.F. — ENGINEERED FILL REQUIRED
- TERRACING 3:1 SLOPE MAXIMUM (UNLESS OTHERWISE SHOWN)
- PROPOSED SWALE
- DIRECTION OF OVERLAND FLOW
- PROPOSED VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CATCHBASIN 'T'
- CATCHBASIN TO BE INSTALLED WITH CIRCULAR ORIFICE (SEE DWG SD-1)
- D.C. BARRIER CURB / MOUNTABLE CURB — PROPOSED DEPRESSED CURB LOCATION; PROPOSED MOUNTABLE/BARRIER CURB LOCATIONS
- PROPOSED FIREWALL

EXISTING CONDITIONS STORM DRAINAGE PLAN:

- 1-1 / 1.11 / 2.40 — EXISTING AREA ID; EXISTING RUNOFF COEFFICIENT; EXISTING STORM DRAINAGE AREA ha.
- EXISTING STORM DRAINAGE BOUNDARY
- EXISTING DIRECTION OF OVERLAND FLOW
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- ORIGINAL GROUND ELEVATION

SANITARY DRAINAGE PLAN:

- SA24A / 0.38 / 34 — SANITARY DRAINAGE AREA ID#; POPULATION; SANITARY DRAINAGE AREA ha.
- SANITARY DRAINAGE AREA
- PROPOSED SANITARY SEWER

SITE SERVICING PLAN:

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED SUBDRAIN CATCHBASIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- CIRCULAR ORIFICE (SEE DWG SD-1)
- D.C. BARRIER / MOUNTABLE — PROPOSED DEPRESSED CURB LOCATIONS; PROPOSED MOUNTABLE/BARRIER CURB LOCATION
- PROPOSED WATERMAIN INSULATION AS PER W22 AND PROPOSED SEWER INSULATION AS PER S35
- PROPOSED FIREWALL
- PROPOSED CLAY SEAL AS PER RECOMMENDATIONS IN GEOTECHNICAL REPORT No. PG6405-1 REV 3 DATED JUNE 24, 2025 PREPARED BY PATERSON GROUP AND CITY STD S8

BUILDING SERVICES: BACK TO BACKS

- 135mmØ SANITARY SEWER PVC SDR 28 @ 1% MIN
- 19mmØ PEX WATER SERVICE C/W CURB STOP AND SERVICE POST UNLESS OTHERWISE SHOWN
- 150mmØ STORM SERVICE PVC SDR 28 @ 1% MIN
- 0.60m BEHIND BACK OF CURB/SIDEWALK OR AT PROPERTY LINE WHERE UNITS FRONT PUBLIC ROW'S AS SHOWN ON PLAN

BUILDING SERVICES: TERRACE FLATS

- 150mmØ SANITARY SEWER PVC SDR 28 @ 1% MIN
- 3 x 19mmØ PEX WATER SERVICE C/W CURB STOP AND SERVICE POST PER STACK UNLESS OTHERWISE SHOWN
- 200mmØ STORM SERVICE PVC SDR 28 @ 1% MIN
- 0.60m BEHIND BACK OF CURB/SIDEWALK OR AT PROPERTY LINE WHERE UNITS FRONT PUBLIC ROW'S AS SHOWN ON PLAN

EROSION CONTROL PLAN:

- PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110
- PROPOSED CATCHBASIN PROTECTION AS PER DETAIL
- PROPOSED MUD MAT LOCATION

STORM DRAINAGE PLAN:

- 1-1 / 1.11 / 2.40 — AREA ID; RUNOFF COEFFICIENT; STORM DRAINAGE AREA ha.
- STORM DRAINAGE BOUNDARY
- DIRECTION OF OVERLAND FLOW
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- CIRCULAR ORIFICE (SEE DWG SD-1)
- PROPOSED CATCHBASIN 'T'
- PROPOSED PERFORATED SUBDRAIN
- EXISTING STORM SEWER
- EXISTING CATCHBASIN

SCHEDULE OF INLET CONTROL DEVICES

Orifice Name	Tributary Area ID	ICD Type	2yr Head (m)	2yr Flow (L/s)	Rational Method 2yr Flow (L/s)	5yr Head (m)	5yr Flow (L/s)	100yr Head (m)	100yr Flow (L/s)
C101A-1IC	C101A	CIRCULAR (83mm ORIFICE)	1.14	14.38	14.0	1.48	16.43	1.59	17.05
C103A-1IC	C103A	CIRCULAR (102mm ORIFICE)	1.26	22.77	21.5	1.49	24.81	1.57	25.52
C104A-1IC	C104A	CIRCULAR (83mm ORIFICE)	0.90	12.72	12.3	1.44	16.22	1.57	16.95
C105A-1IC	C105A	CIRCULAR (94mm ORIFICE)	1.15	18.49	17.1	1.47	21.01	1.60	21.90
C106A-1IC	C106A	CIRCULAR (102mm ORIFICE)	1.14	21.65	20.2	1.47	24.69	1.57	25.51
C201A-1IC	C201A	CIRCULAR (94mm ORIFICE)	1.08	17.87	17.3	1.47	20.97	1.56	21.64
C203A-1IC	C203A	CIRCULAR (83mm ORIFICE)	1.38	15.85	15.1	1.48	16.43	1.56	16.88
C204A-1IC	C204A	CIRCULAR (83mm ORIFICE)	1.15	14.44	14.6	1.46	16.33	1.59	17.04
C102A-1IC	C102A	IPEX TEMPEST LMF80	0.93	5.51	6.7	1.46	6.91	1.55	7.12

Stantec

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Legend

Notes

Revision	By	Appd.	YY.MM.DD
2 REVISED PER CITY COMMENTS AND NEW SITE PLAN	WAJ	SGG	26.10.30
1 REVISED AS-BUILT SERVICING	WAJ	SGG	26.03.30
0 ISSUED FOR REVIEW	WAJ	SGG	26.03.25

File Name: 160401760-D8.dwg — Dwn. WAJ — Chkd. SGG — Dsgn. WAJ — YY.MM.DD 26.02.24

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2026-11-02
PROVINCE OF ONTARIO

Client/Project
RICHCRAFT HOMES LTD.

TRAILSEDGE WEST BLOCK 121
6259, 6267, 6271, & 6273 RENAUD ROAD
OTTAWA, ON

Title
NOTES AND LEGENDS PLAN

Project No.	Scale	
160401760	AS NOTED	
Drawing No.	Sheet	Revision
NL-1	1 of 10	2

PLAN # 19468

D07-12-25-0092

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2026/10/29 4:27 PM By: Johnson Wanjiri

ORIGINAL SHEET - ARCH D