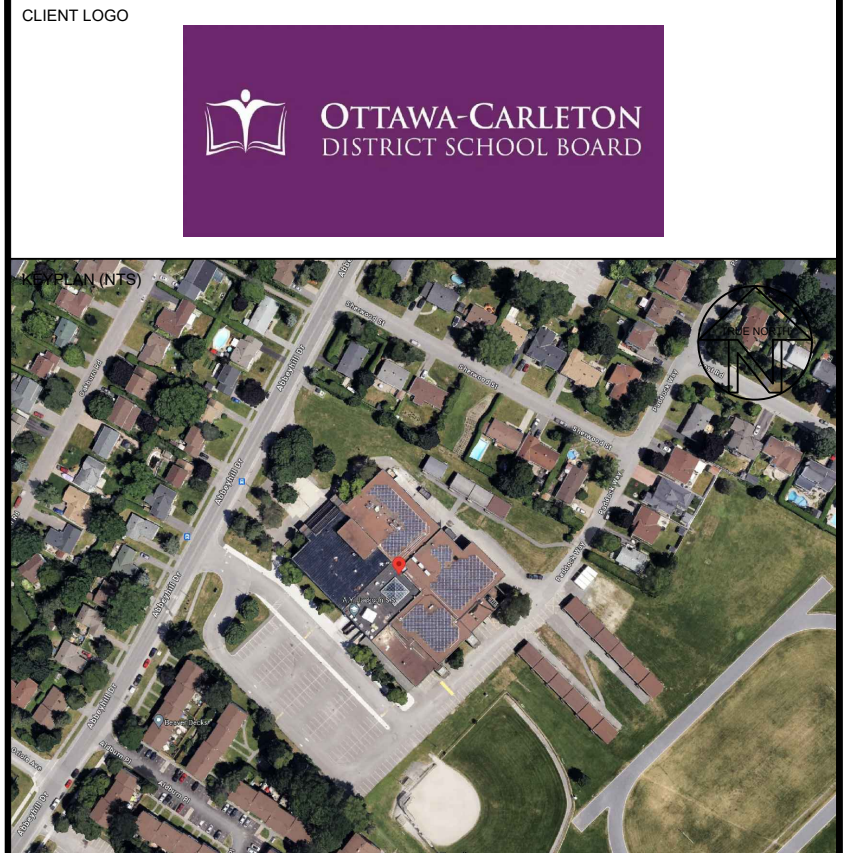


LEGEND

	EXISTING WATERMAIN
	REMOVAL ITEM
	TOP SOIL STRIPPING / TRENCH REMOVAL
	FULL DEPTH ASPHALT REMOVAL
	MILLING PER DETAIL 3/C3
	PORTABLES TO BE RELOCATED BY OCDSB
	FULL DEPTH GRAVEL REMOVAL

- GENERAL NOTES**
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 - THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
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 - CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, DAYLIGHTING, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.

- DRAWING NOTES**
- EXISTING 100mm WATER SERVICE TO REMAIN
 - EXISTING CATCH BASIN TO BE REMOVED
 - EXISTING STORM SEWER TO BE REMOVED
 - FULL DEPTH ASPHALT REMOVAL
 - SAW CUT INTO EXISTING ASPHALT AS PER DETAIL 3/C3. MATCH EXISTING PAVEMENT AND GRANULAR STRUCTURE
 - EXISTING FENCE SURROUNDING EXISTING BASEBALL DIAMOND TO BE REMOVED
 - EXISTING BLEACHER TO BE REMOVED
 - EXISTING GRANULAR/GRAVEL SURFACE WITHIN EXISTING BASEBALL DIAMOND TO BE REMOVED
 - EXISTING PORTABLES TO BE RELOCATED BY OCDSB
 - CONTRACTOR TO PROVIDE TRENCH BOX FOR SERVICE TRENCHING EXCAVATION
 - ROAD CUT TO FACILITATE NEW SERVICES AS PER CITY OF OTTAWA STANDARD DETAIL R10. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR A ROAD CUT PERMIT FROM THE CITY OF OTTAWA
 - REMOVE EXISTING CURB ADJACENT TO EXISTING ASPHALT PATHWAY TO FACILITATE REPLACEMENT WITH NEW MONOLITHIC CONCRETE SIDEWALK AND CURB
 - EXISTING UNDERGROUND POWER TO BE REMOVED. REFER TO ELECTRICAL
 - PARGE REMOVED STORM SEWER PIPE AT MANHOLE. PROVIDE WATER TIGHT CONNECTION



- DISCLAIMER NOTES**
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 - WHERE THERE ARE ALLEGED ERRORS, OMISSIONS, INCONSISTENCIES OR AMBIGUITIES PRESENT IN THE CONTRACT DOCUMENTS, THE CONTRACTOR MUST SEEK CLARIFICATION FROM Jp2g. ANY COSTS OR SCHEDULE DELAYS WHICH RESULT AS A FAILURE TO CONTACT Jp2g FOR CLARIFICATION SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
 - DO NOT SCALE DRAWINGS. REFER ANY DIMENSIONAL CLARIFICATIONS AND/OR POSSIBLE TRADE INTERFERENCE/CONFLICTS TO Jp2g FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH SUBTRADES AND SHALL ADDRESS CONSTRUCTION TEAM COORDINATION ITEMS PRIOR TO ISSUING REQUESTS FOR INFORMATION FROM Jp2g.
 - THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

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1	2024-11-21	ZB/AS	ISSUED FOR PHASE 3 PRECONSULT

STAMP

PROJECT

AY JACKSON SECONDARY SCHOOL ADDITION

150 ABBEYHILL DRIVE,
KANATA ON,
K2L 1H7

DRAWING

REMOVALS PLAN

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Jp2g PROJECT No.: 24-5053A

CLIENT LOGO

CLIENT No.:

DRAFTED: ZB

DESIGNED: ZB

REVIEWED: AS

APPROVED: AS

SHEET #

R1

SCALE

1:500

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NORTH

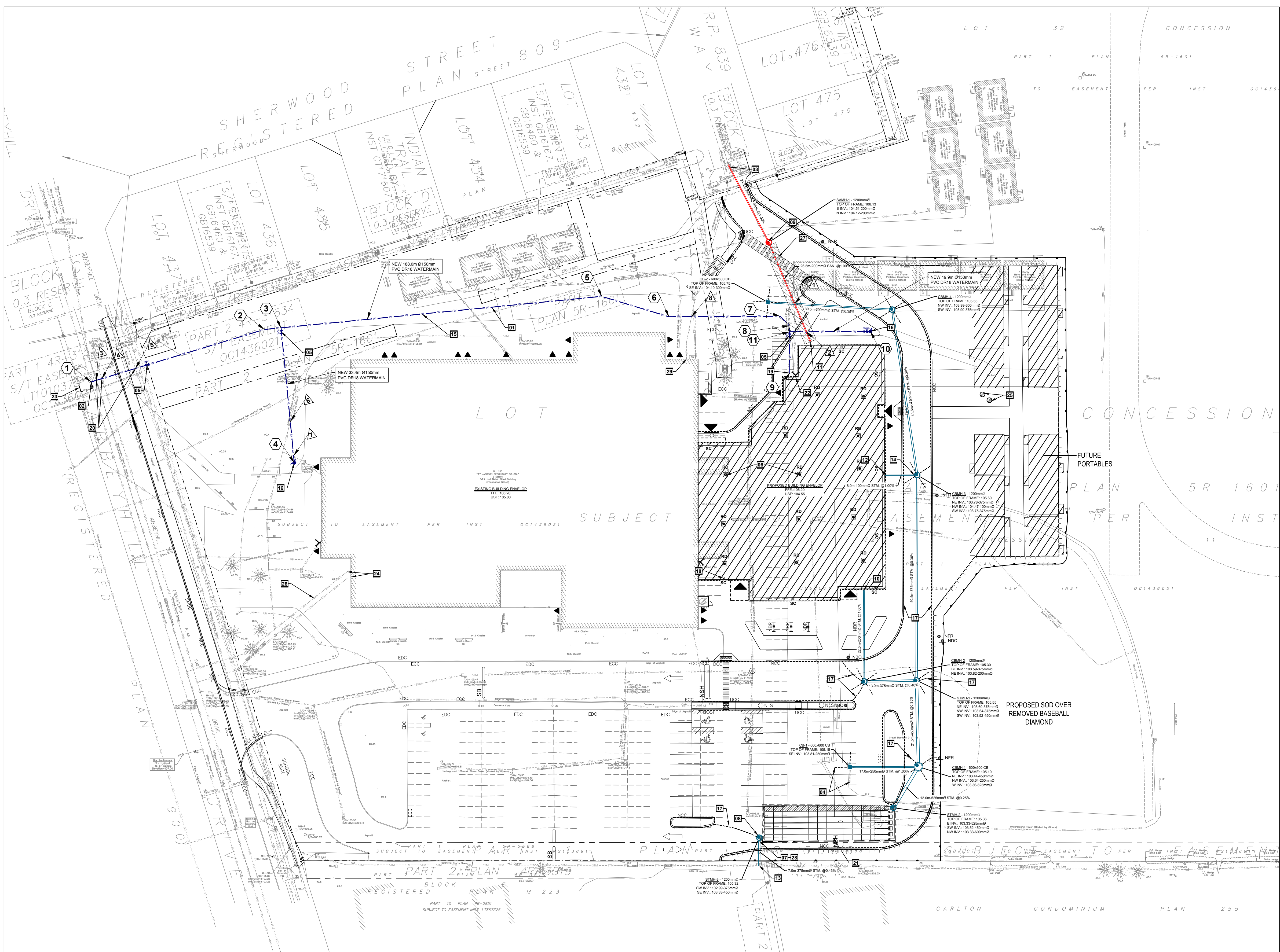
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LEGEND	
---	PROPERTY LINE
---	EXISTING WATERMAIN
---	EXISTING SANITARY SEWER
---	EXISTING STORM SEWER
---	EXISTING FORCEMAIN
⊕	EXISTING FIRE HYDRANT
⊕	EXISTING SANITARY MANHOLE
⊕	EXISTING STORM MANHOLE
⊕	EXISTING CATCH BASIN
▨	NEW BUILDING
---	NEW FOUNDATION DRAIN
---	NEW WATERMAIN
---	NEW FIRE HYDRANT
---	NEW WATER VALVE
---	NEW SANITARY SEWER
---	NEW SANITARY MANHOLE
---	NEW STORM SEWER
---	NEW STORM MANHOLE
---	NEW CATCH BASIN
---	NEW INLET CONTROL DEVICE
---	NEW ROOF DRAIN
---	NEW SCUPPER AT 150mm ABOVE ROOF DRAIN LEVEL
---	NEW CONCRETE SIDEWALK
---	NEW ASPHALT
---	NEW GRASS
---	INSULATION PER CITY OF OTTAWA W22
---	TOP OF BANK
---	LIMIT OF FILL
---	DEPRESSED CURB
---	CONCRETE BARRIER CURB
---	NEW TREE, REFER TO LANDSCAPE
---	NEW TWSI
---	NEW SIAMENSE CONNECTION
---	SERVICE CROSSING ID, REFER TO DRAWING C3
---	WATER PROFILE ID, REFER TO DRAWING C3
---	BUILDING ENTRY

DRAWING NOTES	
01	SUPPLY AND INSTALL NEW 150mm Ø PVC DR18 WATER MAIN SERVICE. MINIMUM 2.4m COVER. OTHERWISE PROVIDE HL40 THERMAL INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL DRAWING W22. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR A WATER PERMIT FROM THE CITY OF OTTAWA FOR INSPECTION, DISINFECTION (CHLORINATION) AND TESTING. COORDINATE NEW WATER SERVICE CONNECTION WITH MECHANICAL PLANS. THRUST BLOCKS SHALL BE AS PER OPSD 1103.010 & 1103.020.
02	INSTALLATION OF NEW SERVICE CONNECTION TEE 300mmX150mm Ø PVC TO EXISTING MUNICIPAL WATERMAIN TO BE COMPLETED BY CITY OF OTTAWA FORCES EXCAVATION, BACKFILL AND RE-INSTATEMENT BY CONTRACTOR.
03	BREAK IN AND CONNECT TO EXISTING SANITARY MANHOLE WITH NEW 200mm PIPE. INVERT CONNECTION TO BE PROVIDED AT 103.90. PROVIDE WATERTIGHT CONNECTION. EXISTING SANITARY MANHOLE INVERT AT 103.73. CONTRACTOR TO CONFIRM MUNICIPAL SANITARY SEWER INVERTS PRIOR TO CONSTRUCTION. CONNECTIONS SHALL BE MADE WITH CORE DRILLING.
04	INSTALL FOUR WAY 3.0m LONG 150mm Ø PERFORATED SUBDRAIN WRAPPED IN GEOTEXTILE SOCK EXTENDING FROM CBM/CH AT PAVEMENT SUBGRADE LEVEL. PROVIDE WATERTIGHT CONNECTION (TYPICAL).
05	SUPPLY AND INSTALL NEW 150mm WATER VALVE. VALVEBOX ASSEMBLY AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING W24 AND W50.
06	SUPPLY AND INSTALL WATTS ROOF DRAIN CONTROLS TO BE INSTALLED ON ROOF DRAINS. SPECIFIC WER SETTINGS IN CLOSED POSITION. MAXIMUM DISCHARGE 0.01s TOTAL. MAXIMUM ROOF PONDING DEPTH 150mm. 100 YEAR PONDING VOLUME: 109.9m³.
07	SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT STORM MANHOLE. STMH-3 OUTLET. MAXIMUM DISCHARGE: 50 l/s AT 0.9m HEAD AND ORIFICE DIAMETER AT 172mm.
08	NEW MONITORING STORM MANHOLE STMH-3 AND 375mm Ø STORM SEWER PIPE FROM UNDERGROUND STORAGE TANK TO 900mm Ø STORM SEWER. PROVIDE WATERTIGHT CONNECTION.
09	NEW MONITORING SANITARY MANHOLE SAMH-1 AND 200mm Ø SANITARY SEWER PIPE FROM BUILDING CONNECT NEW 200mm Ø SANITARY PIPE TO THE EXISTING SANITARY MANHOLE ON PADDOCK ST. PROVIDE WATERTIGHT CONNECTION.
10	CONNECT STORM AT APPROXIMATE INVERT LEVEL = 104.05 TO BUILDING 1.0m AWAY FROM BUILDING FOUNDATION.
11	CONNECT SANITARY AT APPROXIMATE INVERT LEVEL = 104.78 TO BUILDING 1.0m AWAY FROM BUILDING FOUNDATION.
12	CONNECT NEW 100mm PERFORATED PERIMETER FOUNDATION DRAINAGE (REFER TO ARCHITECTURAL) TO NEW 100mm PVC STORM SEWER PIPE TO CBM-3. PROVIDE WATERTIGHT CONNECTION.
13	CORE IN AND CONNECT TO EXISTING 900mm DIAMETER CONCRETE STORM PIPE AS PER CITY OF OTTAWA STANDARD DETAIL S11 AND S11.2. INVERT CONNECTION OF NEW 375mm PVC PIPE TO BE PROVIDED AT ELEVATION = 102.96. CONTRACTOR TO CONFIRM STORM SEWER INVERTS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCY TO ENGINEER. CONNECTIONS SHALL BE MADE WITH CORE DRILLING.
14	SUPPLY AND INSTALL PRO-LINE FITTINGS TERMINAL BACKWATER VALVE (4" SIZE) ON 100mm FOUNDATION DRAIN SERVICE. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
15	ALL WATERMAIN SHALL BE PROVIDED WITH TRACER WIRE AS PER CITY OF OTTAWA STANDARD DETAILS AND SPECIFICATIONS.
16	FIRE HYDRANT AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING W19
17	SUBDRAINS SHOULD BE INSTALLED UNDER CURBS ON THE SIDES OF THE ACCESS ROAD AND PARKING AREA AND TO CONNECT TO STORM SEWER NETWORK PER CITY OF OTTAWA DETAIL RT. SEE GEOTECHNICAL NOTES AND REFER TO GEOTECHNICAL REPORT.
18	ROOF TOP SCUPPERS TO BE PROVIDED AT 150mm ABOVE LEVEL OF ROOF DRAINS.
19	WATER SERVICE ENTRY TO BE SLEEVED THROUGH FOUNDATION WALL ON TOP OF FOOTING AT 103.61. INVERT LEVELS TO BE COORDINATED AND MATCHING WITH STRUCTURAL AND MECHANICAL DRAWINGS. INSULATE PER CITY OF OTTAWA W22 WHERE LESS THAN 2.4m OF COVER IS PROVIDED.
20	CONSTRUCT NEW WATER SERVICE CROSSING OVER EXISTING SEWERS AS PER CITY OF OTTAWA STANDARD DETAIL W02.2. PROVIDE INSULATION AS PER CITY OF OTTAWA STANDARD DETAIL W22 WHERE COVER IS LESS THAN 2.4m.
21	INSTALL NEW STORMTECH SC-600 CHAMBERS (OR EQUIVALENT PRODUCT). TOTAL SYSTEM STORAGE VOLUME = 219.12m³. BOTTOM OF CHAMBER ELEVATION = 103.18. TOP OF CHAMBER ELEVATION = 104.37. PROVIDE MINIMUM OF 200mm STONE ABOVE AND 152mm STONE BELOW CHAMBER. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND STAGE ELEVATION CHART FOR APPROVAL.
22	NEW SIAMENSE CONNECTION. REFER TO MECHANICAL DRAWINGS
23	ANY EXCAVATION WITHIN CLOSE PROXIMITY OF THE EXISTING 400mm FORCEMAIN WILL REQUIRE CITY PRESENCE. CONTRACTOR TO FOLLOW RECOMMENDATIONS INCLUDED IN EXCAVATION AND CONTINGENCY PLAN FOR SANITARY FORCEMAIN. PROXIMITY MEMO BY JP2G CONSULTANTS.
24	CONTRACTOR TO PROVIDE CCTV OF EXISTING BUILDING STORM AND SANITARY SERVICES
25	PORTABLE SERVICE MANHOLE FOR POWER AND SECURITY. REFER TO ELECTRICAL DRAWINGS
26	APPROXIMATE LOCATION OF EXISTING 150mm DIAMETER CONCRETE SANITARY SERVICE FOR EXISTING BUILDING BASED ON CRAIG AND KOHLER AS-BUILT DATED 1976. CONTRACTOR TO INFORM ENGINEER OF ANY DISCREPANCY FOUND IN THE FIELD.
27	PROVIDE 100mm HIGH LOAD RIGID INSULATION PLACED WITHIN SUBGRADE. INSULATION AS PER CITY OF OTTAWA DETAIL W22.

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DRAWING NOTES	
28	SUPPLY AND INSTALL BACKFLOW VALVE ON STMH-3 OUTLET. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR PROFLEX PROCO 790 DUCK BILL TYPE FOR 1.5" SIZE (375mm). VALVE CLAMP LOCATION AT DISCHARGE.
29	EXISTING 100mm WATER SERVICE FOR EXISTING SCHOOL BUILDING TO REMAIN



LEGEND

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--- DRAINAGE AREA LIMIT
→ EXISTING SURFACE DRAINAGE / OVERLAND FLOW ROUTE



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STAMP	STAMP

PROJECT

AY JACKSON SECONDARY SCHOOL ADDITION

150 ABBEYHILL DRIVE,
KANATA ON,
K2L 1H7

DRAWING

PREDEVELOPMENT DRAINAGE PLAN

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jp2g PROJECT No.: 24-5053A

CLIENT No.:

DRAFTED: ZB

DESIGNED: ZB

REVIEWED: AS

APPROVED: AS

SHEET #

Fig. 1

SCALE 1:500
0m 5 10 15 20 25m

FILE NAME: J:\AY JACKSON\AY JACKSON_SECONDARY_SCHOOL_ADDITION\DRAWING\PREDEVELOPMENT_DRAINAGE_PLAN\AY JACKSON_SECONDARY_SCHOOL_ADDITION_P24-5053A.DWG; DATE: 2025-04-03 10:00:00 AM; USER: JACOB; PROJECT: AY JACKSON SECONDARY SCHOOL ADDITION; DRAWING: PREDEVELOPMENT DRAINAGE PLAN; SHEET: 1 OF 1

