

WRDSB TAIT STREET PUBLIC SCHOOL HVAC RENOVATIONS TENDER No. 7198-RW-22 ward99 architects inc. 7500 Hwy 27, Unit No.27B, Vaughan, ON L4H 0J2

ARCHITECTURAL: WARD99 ARCHITECTS INC.

- PROJECT INFORMATION AND O.B.C. MATRIX
- **EXISTING KEY PLANS, SITE MOBILIZATION PLAN, LEGEND AND NOTES**
- PARTIAL GROUND FLOOR DEMOLITION PLAN, **LEGEND AND NOTES**
- PARTIAL PROPOSED GROUND FLOOR PLAN AND LEGEND
- PARTIAL ROOF PLAN, LEGEND AND NOTES
- PARTIAL DEMOLITION REFLECTED CEILING PLANS, LEGEND AND NOTES
- PARTIAL PROPOSED REFLECTED CEILING PLANS, LEGEND AND NOTES
- TYPICAL CLASSROOM INTERIOR ELEVATIONS AND PROPOSED EXTERIOR ELEVATIONS
- PROPOSED EXTERIOR ELEVATIONS AND TYPICAL INTERIOR ELEVATIONS
- WALL SECTIONS
- **DETAILS**

STRUCTURAL: VX ENGINEERING INC.

- PART GROUND FLOOR PLAN
- PART ROOF FRAMING PLAN
- UNITS AND OPENING FRAMING DETAILS IN **EXISTING WOOD DECK ROOF**
- UNITS AND OPENING FRAMING DETAILS IN **EXISTING STEEL DECK ROOF**
- **GENERAL NOTES**

MECHANICAL: DEI CONSULTING ENGINEERS

- M101 BUILDING PLAN, SCHEDULES & GENERAL NOTES
- M102 SCHEDULES
- M201 GROUND & 2ND FLOOR BLOCK A PART PLANS HVAC **DEMOLITION**
- M202 GROUND FLOOR BLOCK B PART PLAN **DEMOLITION**
- M301 GROUND & 2ND FLOOR BLOCK A PART PLANS HAVC RENOVATION
- M302 GROUND FLOOR BLOCK B PART PLAN HVAC
- M401 ROOF BLOCK A PART PLAN HEATING & VENTILATION RENOVATION
- M402 ROOF BLOCK B PART PLAN HEATING & VENTILATION
- M501 GROUND & 2ND FLOOR FIRE SUPPRESSION PLAN
- M601 BOILER ROOM DEMOLITION & RENOVATION
- M701 MECHANICAL DETAILS & SECTIONS

ELECTRICAL:

- **E102 LIGHTING CONTROL DETAILS AND SCHEDULES**
- E103 LIGHTING CONTROL SCHEDULE
- **E201 GROUND FLOOR DEMOLITION PLANS BLOCK A**
- E202 GROUND FLOOR DEMOLITION PLANS BLOCK B

- E304 ROOF RENOVATION PLANS
- **E401 SPECIFICATIONS**

WRDSB TAIT STREET PUBLIC SCHOOL HVAC RENOVATIONS TENDER No. 7198-RW-22 Waterloo Region District School Board

11.0	Building Code Version:	<u>O. Reg. 332/12</u> Last Amendment: <u>O Reg. 191/14</u>	
11.01	Project Type:	☐ Addition ☒ Renovation ☐ Addition and Renovation ☐ Change of use *Scope of Work: Minor renovation to provide for Mechanical HVAC upgrades and sprinkler upgrades to some existing rooms that are currently not sprinklered. Refer to scope of work description below.	[A]1.1.2.
11.02	Major Occupancy Classification:	Occupancy Use Group A, Division 2 Elementary School *Refer to description below.	3.1.2.1.(1)
11.03	Superimposed Major Occupancies:	☑ No ☐ Yes Description:	3.2.2.7

-The building shall be of non-combustible construction

for floor assemblies below the one storey.

less than required for the supported assembly

described assemblies

-3.2.2.16 allows heavy timber construction at roof levels that are one storey and

- Floor assemblies shall have a fire-resistance rating not less than 1 hour and - Mezzanines shall have a fire-resistance rating not less than 1 hour and - All load-bearing walls, columns and arches shall have a fire-resistance rating no

*Note: The existing roof deck in the rooms where renovation is proposed provide existing roof assemblies constructed with combustible construction; wood roof deck. The existing fire-rated concealed ceiling assemblies will be maintained and where damaged to complete roof penetrations, the existing ceiling assemblies will

be replaced with a 1 hour F.R.R. comprised of 2 layers of 16mm Type X gypsum

3- Where minor renovations occur in rooms that will not be sprinklered (Staff Work Room, Teacher's Office); ceilings will remain be reinstated as per existing

board at the underside of the existing wood roof assembly as per O.B.C. SB-2,

I HVAC		

RENOVATION

RENOVATION

DEI CONSULTING ENGINEERS

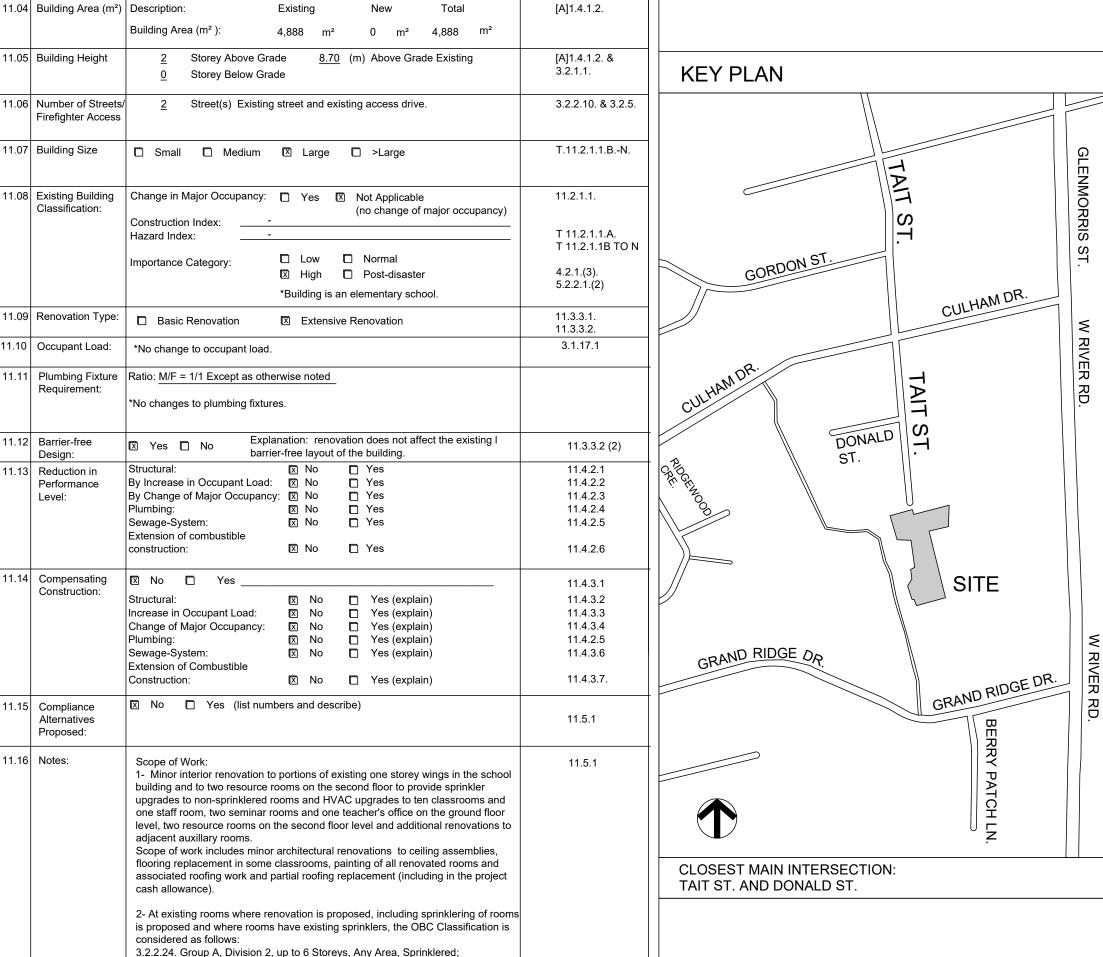
- E101 KEY PLAN & LEGEND

- E301 GROUND FLOOR RENOVATION PLANS BLOCK A
- E302 GROUND FLOOR RENOVATION PLANS BLOCK B
- E303 ROOF RENOVATION PLANS
- **E402 SPECIFICATIONS**

PROJECT INFORMATION OF ARCHITECTS 2 WRDSB TAIT STREET PUBLIC SCHOOL HVAC RENOVATIONS

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ion: 184 Tait Street, Cambridge, ON, N1S 3G3	PROJECT ADDRESS: 184 TAIT STREET, CAMBRIDGE, ONTARIO N1S 3G3	
Ontario 2012 Building Code Data Matrix Part 11 - Renovation of Existing Building	Building Code Reference	OWNER: WATERLOO REGION DISTRICT SCHOOL BOARD
uilding Code <u>O. Reg. 332/12</u> Last Amendment: <u>O Reg. 191/14</u> /ersion:		OWNER'S CONTACT INFORMATION: 51 ARDELT AVENUE, KITCHENER, ON N2C 2R5
roject Type: Addition Renovation Addition and Renovation Change of use *Scope of Work: Minor renovation to provide for Mechanical HVAC upgrades and sprinkler upgrades to some existing rooms that are currently not sprinkle Refer to scope of work description below.	l l	CONSULTANT: ward99 architects inc. CONSULTANT 'S CONTACT INFORMATION:
lajor Occupancy Classification: Use Group A, Division 2 *Refer to description below.	3.1.2.1.(1)	7500 HIGHWAY 27 UNIT 27B VAUGHAN ON L4H 0J2 TEL: 416-613-5880
uperimposed	3.2.2.7	EMAIL: INFO@WARD99ARCHITECTS.COM
uilding Area (m²) Description: Existing New Total Building Area (m²): 4,888 m² 0 m² 4,888 m²	[A]1.4.1.2.	
uilding Height 2 Storey Above Grade 8.70 (m) Above Grade Existing	[A]1.4.1.2. & 3.2.1.1	KEY DI ANI



CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT

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	no.	issue	date
	_1	Issued for Client Review	March 1, 2021
	_2	Issued for Schematic Design Report	March 15, 202
	_3	Issued for Schematic Design Report	March 30, 202
	_4	Issued for Permit and Tender	Jan. 28, 2022

WRDSB TAIT STREET PUBLIC SCHOOL HVAC RENOVATIONS TENDER No. 7198-RW-22

WATERLOO REGION DISTRICT SCHOOL BOARD 184 TAIT ST., CAMBRIDGE, ON N1S 3G3

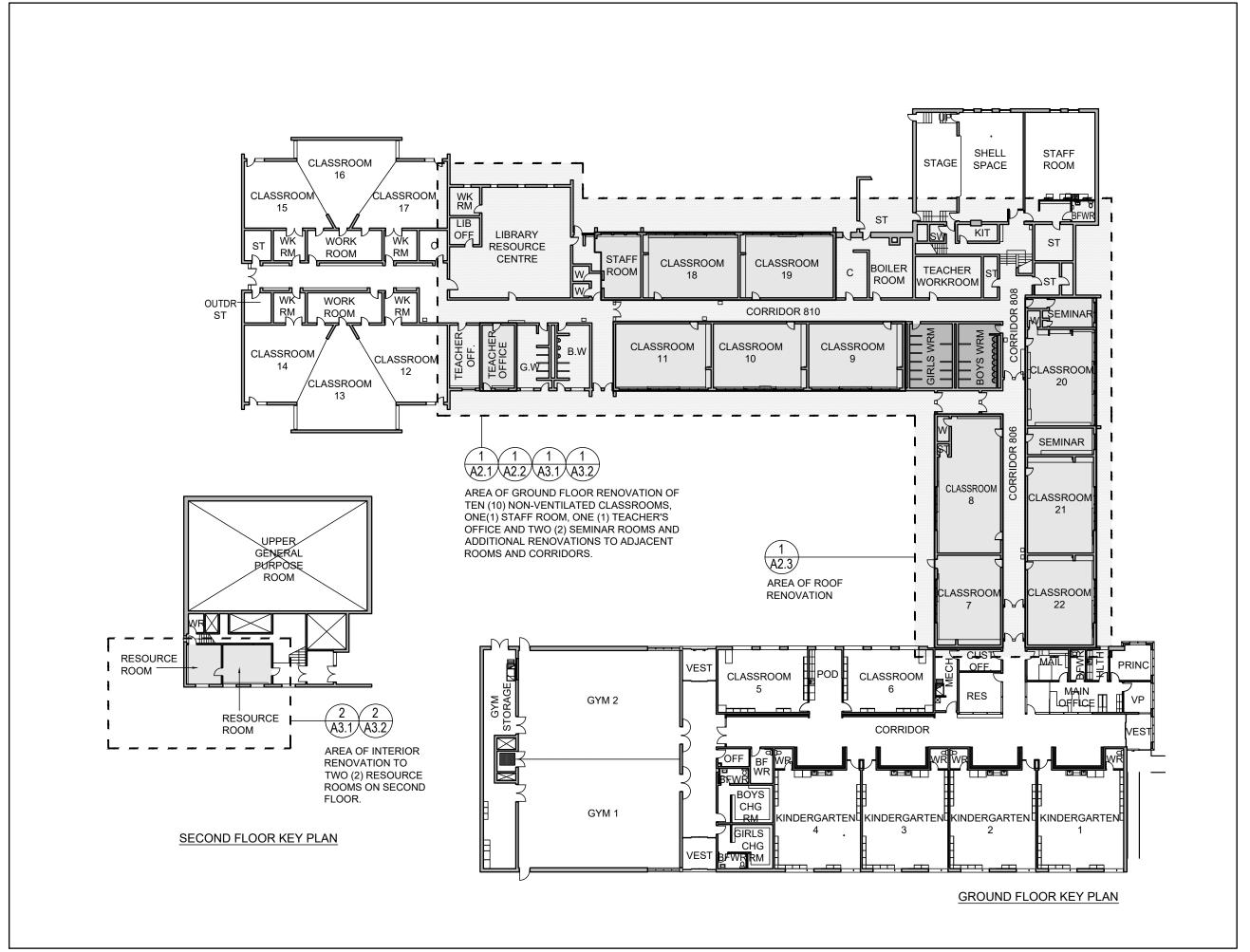
PROJECT INFORMATION AND O.B.C. MATRIX ward99 project number

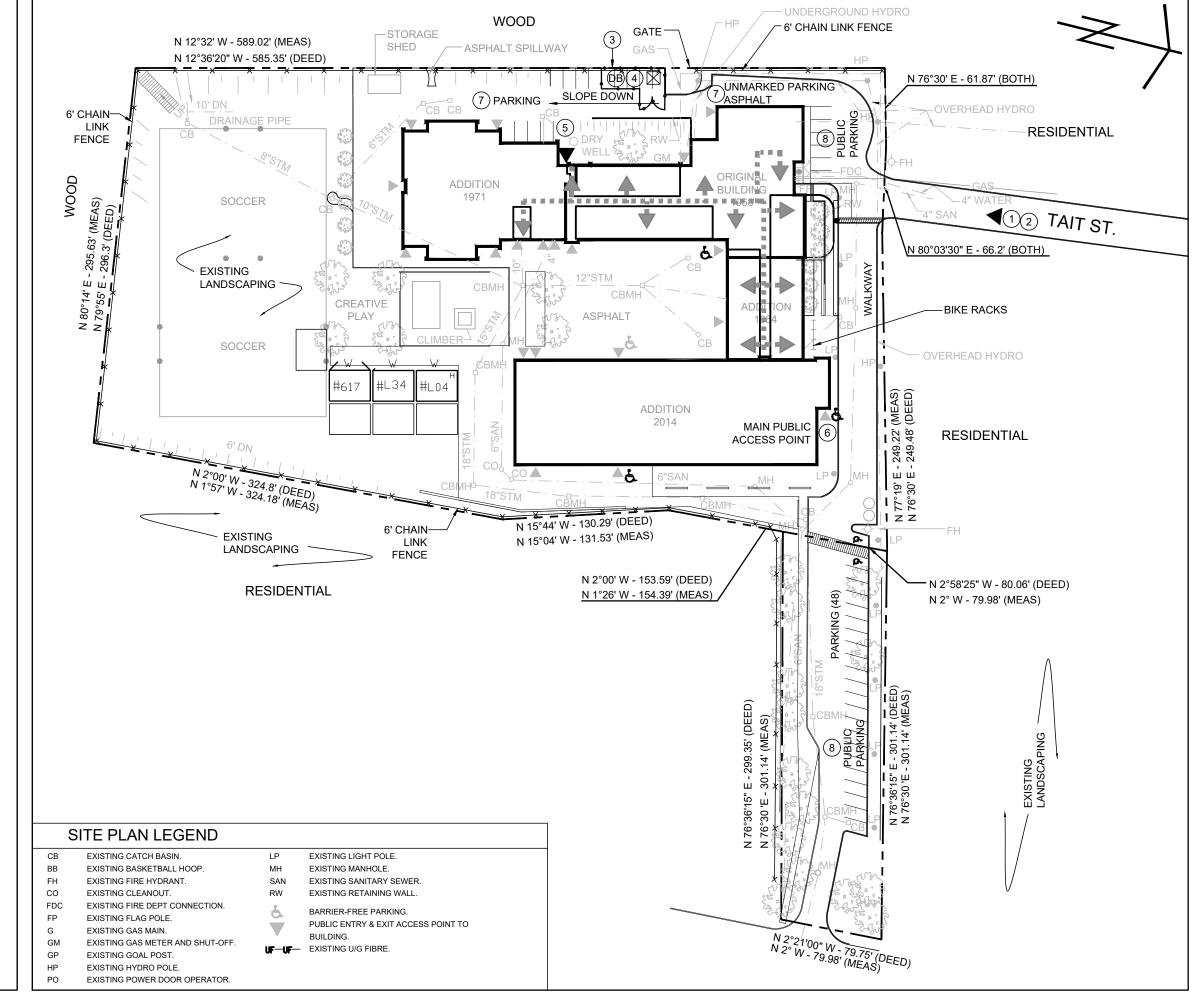
ward99 architects Wa RD₉₉

21008 - TAIT PS

7500 Highway 27, Unit 27<mark>f</mark>

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SITE MOBILIZATION, ACCESS & CONSTRUCTION LEGEND

REFER TO SITE MOBILIZATION, ACCESS AND CONSTRUCTION NOTES ON DRAWING A1.1. REFER TO GENERAL FLOOR PLAN NOTES ON DRAWING

ACCESS AND EXIT POINTS OF THE BUILDING

PATH TO AREA OF WORK
THE GENERAL CONTRACTOR IS TO CLEAN AND CLEAR THE PATH OF
WORK (EXTERIOR AND INTERIOR) OF ANY OBSTRUCTION EVERYDAY
AFTER WORK IS FINISHED. AFTER COMPLETION OF CONSTRUCTION,
PATCH, REPAIR AND MAKE GOOD ALL SURFACES (EXTERIOR WALKS,
DRIVEWAYS, CURBS AND LANDSCAPING AND INTERIOR CEILING, WALL
AND FLOOR FINISHES), DOORS, LIGHT FIXTURES AND OTHER ITEMS
DAMAGED DURING CONSTRUCTION.

TEMPORARY CONSTRUCTION DISPOSAL BIN:
TEMPORARY CONSTRUCTION DISPOSAL BIN IS TO BE LOCATED WITHIN
THE MOBILIZATION AREA AT ALL TIMES. REPAIR AND MAKE GOOD ANY
AND ALL EXISTING SURFACES DAMAGED DUE TO THE DELIVERY,
PLACEMENT AND REMOVAL OF THE DISPOSAL BIN.

SITE ENTRY DRIVE:
DURING CONSTRUCTION, THE EXISTING PUBLIC ENTRY DRIVE IS FOR
ACCESS BY WRDSB STAFF AND THE GENERAL CONTRACTOR DURING
CONSTRUCTION. THE GENERAL CONTRACTOR IS TO KEEP THIS ACCESS
DRIVE FREE FROM DEBRIS AT ALL TIMES. ANY DAMAGE TO THIS DRIVE
OR TO THE SITE DUE TO THE OCCUPATION AND USE BY THE GENERAL
CONTRACTOR AND SUBCONTRACTORS IS TO BE REPAIRED AND MADE
GOOD BEFORE CONSTRUCTION IS COMPLETED.

DRIVEWAY ACCESS:
THIS EXISTING DRIVEWAY WILL BE USED BY WRDSB STAFF FOR SCHOOL PARKING ACCESS. THE EXISTING DRIVE WILL ALSO BE USED BY THE GENERAL CONTRACTOR FOR CONSTRUCTION ACCESS TO THE REAR MOBILIZATION AND CONSTRUCTION PARKING AREA. THIS ENTRY DRIVE MUST REMAIN CLEAR AND FREE OF DEBRIS, CONSTRUCTION MATERIALS AND CONSTRUCTION VEHICLES AT ALL TIMES TO ENSURE ACCESS IS AVAILABLE BY STAFF.

CONSTRUCTION FENCING:
TEMPORARY CONSTRUCTION FENCING IS TO BE ERECTED BY THE
GENERAL CONTRACTOR TO ENCLOSE THE CONSTRUCTION
MOBILIZATION AREA AND TO KEEP IT SEPARATE FROM THE SITE AND TO
PREVENT PUBLIC ACCESS TO THIS AREA. CONSTRUCTION FENCING IS
TO REMAIN ON SITE FOR THE DURATION OF THE CONSTRUCTION. THE
GENERAL CONTRACTOR IS TO KEEP THIS AREA ORGANIZED AND FREE
FROM DEBRIS AT ALL TIMES. ANY DAMAGE TO THE SITE AREA DUE TO
ITS OCCUPATION AND USE BY THE GENERAL CONTRACTOR AND
SUBCONTRACTORS IS TO BE REPAIRED AND MADE GOOD BEFORE
CONSTRUCTION IS COMPLETED.
PROVIDE THE FOLLOWING TEMPORARY CONSTRUCTION FENCING:
- STURDY, HEAVY-DUTY GALVANIZED CHAIN LINK PANELS AND GATES
WITH A MINIMUM HEIGHT OF 6'-0" AND SECURED WITH STURDY STEEL
GROUND STANDS AND U-CLAMPS.
- CHAIN LINK PANELS MANUFACTURED BY FAST FENCE INC. OR

EQUIVALENT MANUFACTURER THAT CAN PROVIDE THE SAME PRODUCT AS INDICATED.

TEMPORARY CONSTRUCTION MOBILIZATION AREA:
THIS AREA IS A CONSTRUCTION ZONE FOR USE BY THE GENERAL
CONTRACTOR ONLY AS A CONSTRUCTION MOBILIZATION ZONE AND
STORAGE FOR LONG-TERM DISPOSAL BINS AND FOR ENCLOSED
STORAGE CONTAINERS. THE GENERAL CONTRACTOR IS TO PROVIDE
STORAGE CONTAINERS AS REQUIRED TO STORE MATERIALS. THIS
AREA IS TO BE ENCLOSED WITH PERIMETER CONSTRUCTION FENCING

(SEE NOTE 3). PROVIDE CONSTRUCTION GATES AS REQUIRED TO ACCESS THE MOBILIZATION AREA.

CONSTRUCTION ACCESS POINT TO THE BUILDING:
THIS EXISTING ENTRY DOOR IS TO BE USED AS THE ONLY DAILY
CONSTRUCTION ENTRY POINT TO THE SCHOOL BUILDING BY THE
GENERAL CONTRACTOR DURING CONSTRUCTION. ANY HEAVY OR
LARGE CONSTRUCTION DELIVERIES INTENDED FOR INSTALLATION IN
THE BUILDING CAN ENTER THE BUILDING THROUGH THIS MAIN
CONTRACTOR ACCESS POINT. CONSTRUCTION ENTRY POINT TO BE
CONFIRMED WITH WRDSB STAFF AT TIME OF AWARD OF CONTRACT.

6 MAIN PUBLIC ACCESS POINT TO THE BUILDING:
THIS IS THE MAIN PUBLIC ENTRY POINT TO THE SCHOOL. THIS ACCESS
POINT IS FOR USE BY SCHOOL STAFF AND THE PUBLIC. THE GENERAL
CONTRACTOR SHALL NOT ACCESS THIS ENTRY POINT FOR
CONSTRUCTION USE, UNLESS GIVEN PERMISSION TO DO SO BY WRDSB.

CONSTRUCTION PARKING AREA:
THE EXISTING SCHOOL PARKING SPACES TO THE EAST SIDE OF THE
PARKING LOT CAN BE UTILIZED BY CONSTRUCTION PERSONNEL. THE
GENERAL CONTRACTOR MUST KEEP THIS AREA CLEAR AND FREE FROM
DEBRIS AT ALL TIMES.

PUBLIC PARKING AREA:
THE EXISTING SCHOOL PARKING SPACES ALONG THE MAIN DRIVEWAY
OF THE SCHOOL ARE PUBLIC PARKING SPACES. THESE SPACES
CANNOT BE UTILIZED BY CONSTRUCTION PERSONNEL UNLESS
PERMISSION TO DO SO IS GIVEN BY WRDSB. THE GENERAL
CONTRACTOR MUST KEEP THIS AREA CLEAR AND FREE FROM DEBRIS
AT ALL TIMES.

1 EXISTING SITE MOBILIZATION PLAN A1.1 N.T.S.

NOTE: THIS DRAWING IS NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SITE DIMENSIONS AND FOR NOTIFYING THE ARCHITECT OF ANY SITE CONDITIONS AND SITE MEASUREMENTS THAT ARE NOT CONSISTENT WITH THE DRAWINGS.

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	3	Issued for Schematic Design Report	March 30, 2021
PROJECT NORTH	4	Issued for Permit and Tender	Jan. 28, 2022
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project
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TENDER No. 7198-RW-22

WATERLOO REGION DISTRICT SCHOOL BOARD
184 TAIT ST., CAMBRIDGE, ON N1S 3G3

drawing
EXISTING KEY PLANS, SITE MOBILIZATION PLAN,
LEGEND AND NOTES.
drawing scale

AS NOTED

ward99 project number
21008 - TAIT PS

Ward99

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416 613 5880 www.ward99architects.com
416 613 5880 www.ward99architects.com

2 EXISTING GROUND AND SECOND FLOOR KEY PLANS
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