

NEW HYDROGEN GENERATION (HOGEN) & BALLOON LAUNCHING BUILDING

6248 8TH LINE, EGBERT, ONTARIO L0L 1N0

PROJECT NUMBER: R.071909.001

DRAWING LIST

ARCHITECTURAL:

A001	COVER PAGE
010	SURVEY
A100	WALL TYPES AND GENERAL NOTES
A200	HOGEN - PLANS
A300	HOGEN - REFLECTED CEILING PLANS
A400	HOGEN - ELEVATIONS
A500	HOGEN - SECTIONS
A600	HOGEN - DETAILS
A601	HOGEN - DETAILS
A800	INTERIOR ELEVATIONS
A900	DOOR / WINDOW TYPES AND SCHEDULES

CIVIL:

C01	HOGEN - REMOVALS
C02	HOGEN - SITE PLAN
C03	OPERATIONS TRAILER - REMOVALS AND SITE PLAN

ELECTRICAL:

E000	LEGEND
E001	SITE PLAN
E200	FLOOR PLANS
E201	GROUNDING

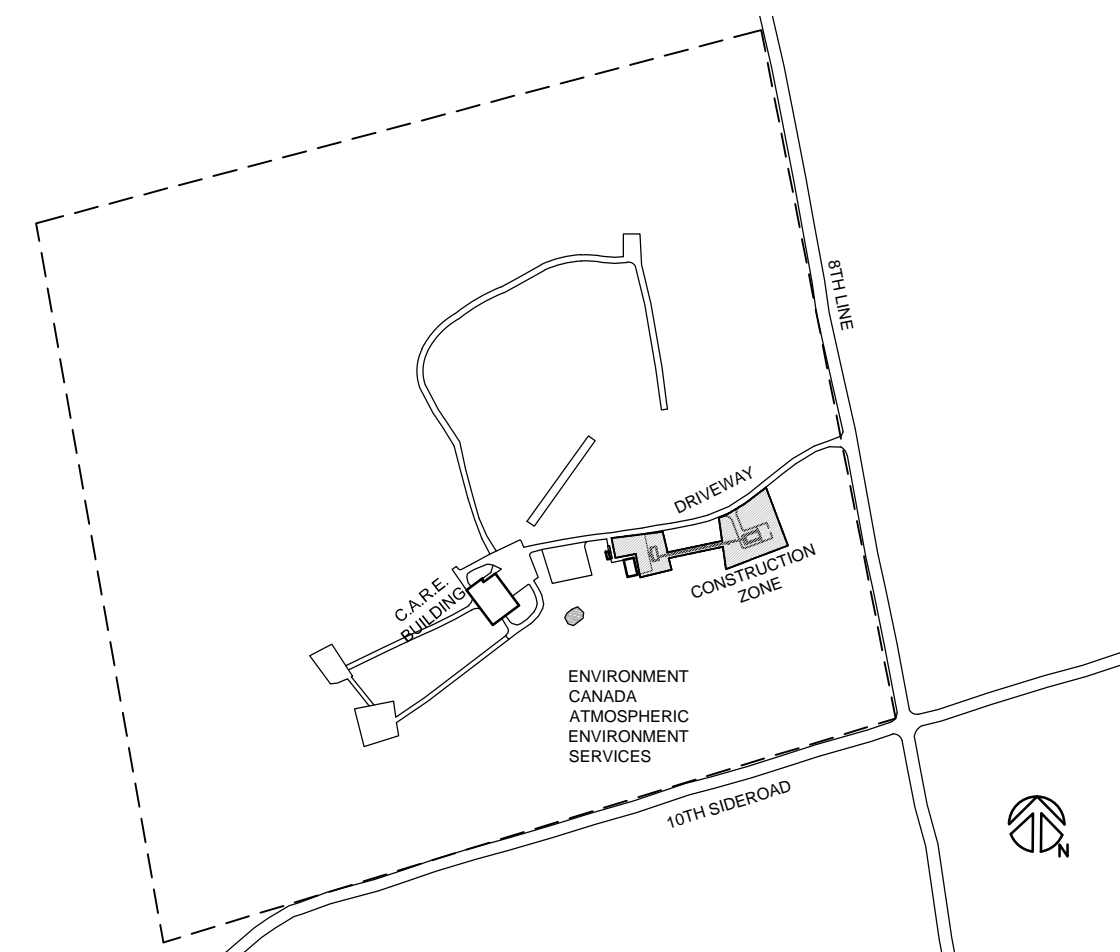
MECHANICAL:

M000	MECHANICAL LEGEND, DRAWING LIST AND GENERAL NOTES
M100	FLOOR PLAN HYDROGEN / WATER SYSTEM

M200	HYDROGEN/WATER SYSTEM SCHEMATIC & EQUIPMENT SCHEDULE
M201	HYDROGEN/WATER SYSTEM GOVERNMENT FURNISHED EQUIPMENT DETAILS
M300	FLOOR PLAN - VENTILATION SYSTEM
M301	VENTILATION SYSTEM DETAILS & EQUIPMENT SCHEDULE
M400	CONTROL SYSTEM SCHEMATIC & INPUT/OUTPUT SCHEDULE

STRUCTURAL:

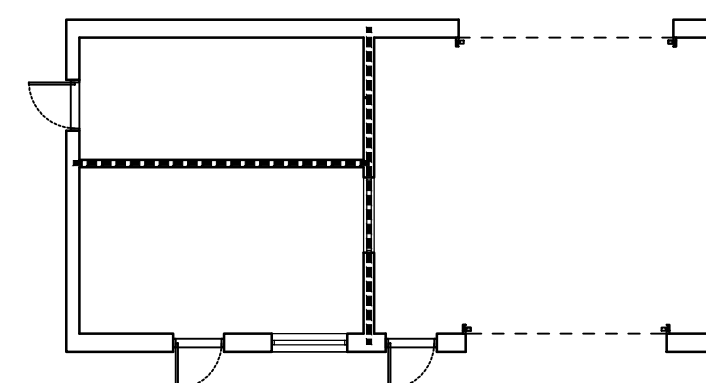
S100	GENERAL NOTES
S200	PLANS AND TYPICAL DETAILS
S300	SECTIONS
S400	ELEVATIONS
S100-OP	GENERAL NOTES
S200-OP	PLAN, TYPICAL DETAILS AND SECTIONS



4 LOCATION MAP
A001 NTS

FIRM NAME: TAYLOR HAZELL ARCHITECTS CERTIFICATE OF PRACTICE NUMBER: 2659 NAME OF PROJECT: NEW HYDROGEN GENERATION (HOGEN) AND BALLOON LAUNCHING BUILDING LOCATION: 6248 8TH LINE, EGBERT, ONTARIO L0L 1N0			
ITEM	ONTARIO BUILDING CODE DATA MATRIX PARTS 3	OBC REFERENCE	
1	PROJECT DESCRIPTION: <input type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input type="checkbox"/> CHANGE OF USE <input type="checkbox"/> ALTERATION	<input type="checkbox"/> PART 11 <input type="checkbox"/> PART 3 <input type="checkbox"/> PART 9	
2	MAJOR OCCUPANCY(S) F1 (Hydrogen Generation and Balloon Launching)		3.1.2.1.(1)
3	BUILDING AREA (m ²) 86.26 m ² TOTAL		1.1.3.2
4	GROSS AREA 86.26 m ² TOTAL		1.1.3.2
5	NUMBER OF STOREYS ABOVE GRADE 1 BELOW GRADE 0		3.2.1.1 & 1.1.3.2
6	NUMBER OF STREETS/FIRE FIGHTER ACCESS 1		3.2.2.10 & 3.2.5.5
7	BUILDING CLASSIFICATION GROUP F1, 1 Storey		3.2.2.66
8	SPRINKLER SYSTEM PROPOSED <input type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> BASEMENT ONLY <input type="checkbox"/> IN LIEU OF ROOF RATING <input type="checkbox"/> NOT REQUIRED		3.2.2.66
9	STANDPIPE REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.2.9
10	FIRE ALARM REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.2.4
11	WATER SERVICE/SUPPLY IS ADEQUATE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.2.5.7
13	PERMITTED CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMB. <input checked="" type="checkbox"/> BOTH ACTUAL CONSTRUCTION <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMB. <input checked="" type="checkbox"/> BOTH		3.2.2.66 3.2.2.66
14	MEZZANINE(S) AREA (m ²) N/A		3.2.1.1.(6)
15	OCCUPANT LOAD BASED ON <input type="checkbox"/> m ² /PERSON <input checked="" type="checkbox"/> DESIGN OF BUILDING		3.1.16
5 PERSONS			
16	BARRIER-FREE DESIGN <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (EXPLAIN) Group F1		A-3.8.1.1
17	HAZARDOUS SUBSTANCES <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3.3.1.2
18	REQUIRED FIRE RESISTANCE RATING (FRR) HORIZONTAL ASSEMBLIES FRR (HOURS) FLOORS N/A HOURS ROOF - HOURS MEZZANINE HOURS FRR OF SUPPORTING MEMBERS FLOORS N/A HOURS ROOF - HOURS MEZZANINE HOURS	LISTED DESIGN No. OR DESCRIPTION (Sg-2) LISTED DESIGN No. DESCRIPTION (Sg-2)	3.2.2.66
20	PLUMBING FIXTURE REQUIREMENTS N/A		
FLOOR OCCUPANT LOAD BC TABLE NO. FIXTURES REQUIRED FIXTURES PROVIDED			
20	OTHER - DESCRIBE		

3 OBC MATRIX
A001 NTS



1 FIRE SEPARATION DIAGRAM
A001 1:150

SITE PLAN CONSTRUCTION NOTES & TEMPORARY REQUIREMENTS:

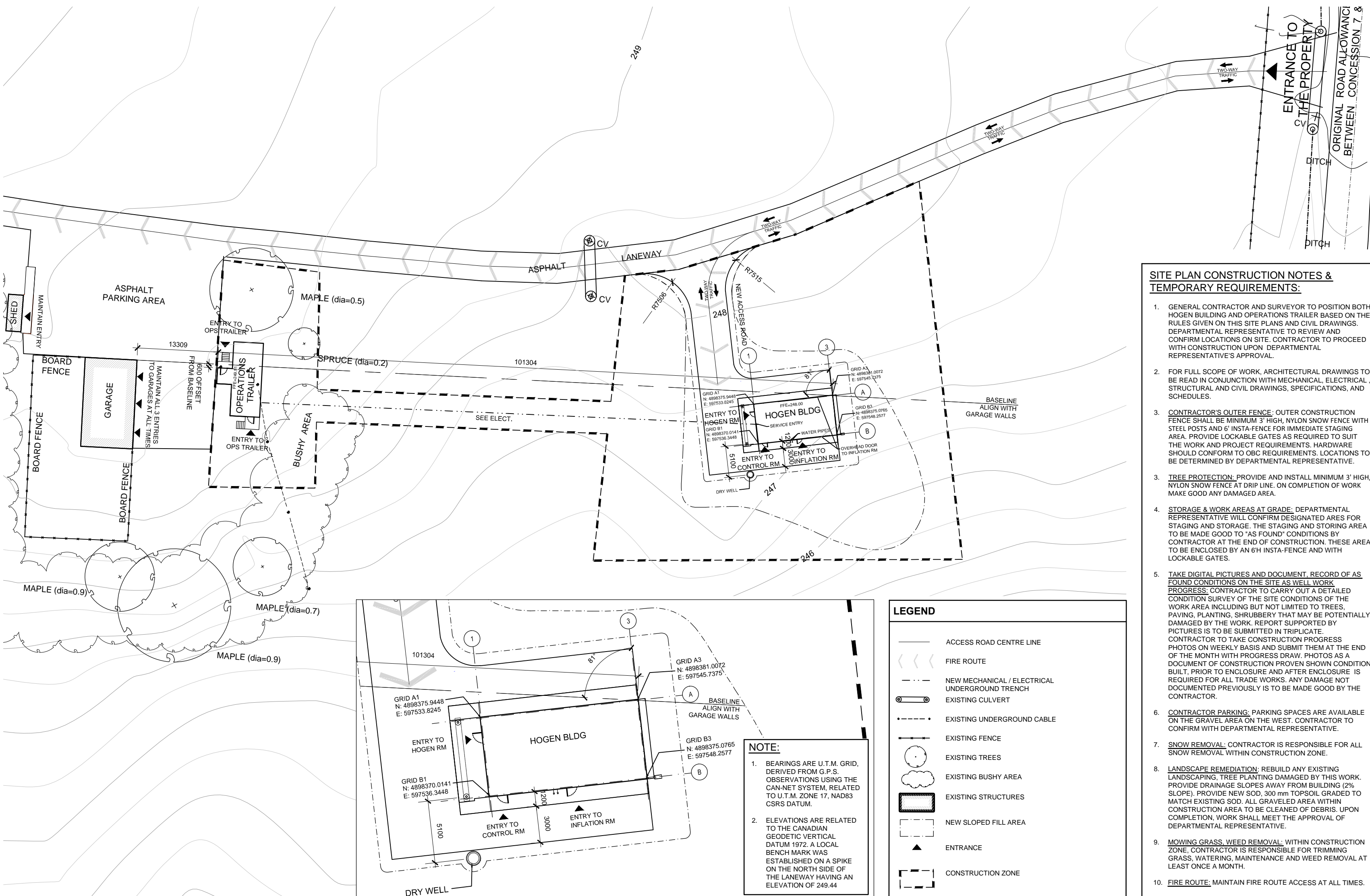
- GENERAL CONTRACTOR AND SURVEYOR TO POSITION BOTH HOGEN BUILDING AND OPERATIONS TRAILER BASED ON THE RULES GIVEN ON THIS SITE PLAN AND CIVIL DRAWINGS. DEPARTMENTAL REPRESENTATIVE TO REVIEW AND CONFIRM LOCATIONS ON SITE. CONTRACTOR TO PROCEED WITH CONSTRUCTION UPON DEPARTMENTAL REPRESENTATIVE'S APPROVAL.
- FOR FULL SCOPE OF WORK, ARCHITECTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH MECHANICAL, ELECTRICAL, STRUCTURAL AND CIVIL DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
- CONTRACTOR'S OUTER FENCE, OUTER CONSTRUCTION FENCE SHALL BE MINIMUM 3' HIGH, NYLON SNOW FENCE WITH STEEL POSTS AND 6' INSTA-FENCE FOR IMMEDIATE STAGING AREA. PROVIDE LOCKABLE GATES AS REQUIRED TO SUIT THE WORK AND PROJECT REQUIREMENTS. HARDWARE SHOULD CONFORM TO OBC REQUIREMENTS. LOCATIONS TO BE DETERMINED BY DEPARTMENTAL REPRESENTATIVE.
- TREE PROTECTION: PROVIDE AND INSTALL MINIMUM 3' HIGH, NYLON SNOW FENCE AT DRIP LINE. ON COMPLETION OF WORK, MAKE GOOD ANY DAMAGED AREA.
- STORAGE & WORK AREAS AT GRADE: DEPARTMENTAL REPRESENTATIVE WILL CONFIRM DESIGNATED AREAS FOR STAGING AND STORAGE. THE STAGING AND STAGING AREA TO BE MADE GOOD TO "AS FOUND" CONDITIONS BY CONTRACTOR AT THE END OF CONSTRUCTION. THESE AREAS TO BE ENCLOSED BY AN 6' INSTA-FENCE AND WITH LOCKABLE GATES.
- TAKE DIGITAL PICTURES AND DOCUMENT RECORD OF AS FOUND CONDITIONS ON THE SITE AS WELL WORK PROGRESS. CONTRACTOR TO CARRY OUT A DETAILED CONDITION SURVEY OF THE SITE CONDITIONS OF THE WORK AREA INCLUDING BUT NOT LIMITED TO TREES, PAVING, PLANTING, SHRUBBERY THAT MAY BE POTENTIALLY DAMAGED BY THE WORK. REPORT SUPPORTED BY PICTURES IS TO BE SUBMITTED IN TRIPPLICATE. CONTRACTOR TO TAKE CONSTRUCTION PROGRESS PHOTOS ON WEEKLY BASIS AND SUBMIT THEM AT THE END OF THE MONTH WITH PROGRESS DRAW. PHOTOS AS A DOCUMENT OF CONSTRUCTION PROVEN SHOWN CONDITION BUILT, PRIOR TO ENCLOSURE AND AFTER ENCLOSURE. IS REQUIRED FOR ALL TRADE WORKS. ANY DAMAGE NOT DOCUMENTED PREVIOUSLY IS TO BE MADE GOOD BY THE CONTRACTOR.
- CONTRACTOR PARKING, PARKING SPACES ARE AVAILABLE ON THE GRAVEL AREA ON THE WEST. CONTRACTOR TO CONFIRM WITH DEPARTMENTAL REPRESENTATIVE.
- SNOW REMOVAL: CONTRACTOR IS RESPONSIBLE FOR ALL SNOW REMOVAL WITHIN CONSTRUCTION ZONE.
- LANDSCAPE REMEDIATION: REBUILD ANY EXISTING LANDSCAPING, TREE PLANTING DAMAGED BY THIS WORK. PROVIDE DRAINAGE SLOPES AWAY FROM BUILDING (2% SLOPE). PROVIDE NEW 500, 300 mm TOPSOIL, GRADED TO MATCH EXISTING SOD. ALL GRAVELED AREA WITHIN CONSTRUCTION AREA TO BE CLEANED OF DEBRIS. UPON COMPLETION, WORK SHALL MEET THE APPROVAL OF DEPARTMENTAL REPRESENTATIVE.
- MOWING GRASS, WEED REMOVAL: WITHIN CONSTRUCTION ZONE, CONTRACTOR IS RESPONSIBLE FOR TRIMMING GRASS, WATERING, MAINTENANCE AND WEED REMOVAL AT LEAST ONCE A MONTH.
- FIRE ROUTE: MAINTAIN FIRE ROUTE ACCESS AT ALL TIMES.

LEGEND

—	ACCESS ROAD CENTRE LINE
---	FIRE ROUTE
---	NEW MECHANICAL / ELECTRICAL UNDERGROUND TRENCH
---	EXISTING CULVERT
---	EXISTING UNDERGROUND CABLE
---	EXISTING FENCE
---	EXISTING TREES
---	EXISTING BUSHY AREA
---	EXISTING STRUCTURES
---	NEW SLOPED FILL AREA
---	ENTRANCE
---	CONSTRUCTION ZONE

NOTE:

- BEARINGS ARE U.T.M. GRID, DERIVED FROM C.P.S. OBSERVATIONS USING THE CANADIAN GEODETIC VERTICAL DATUM 1972. A LOCAL BENCH MARK WAS ESTABLISHED ON A SPIKE ON THE NORTH SIDE OF THE LANEWAY HAVING AN ELEVATION OF 249.44
- ELEVATIONS ARE RELATED TO THE CANADIAN GEODETIC VERTICAL DATUM 1972. A LOCAL BENCH MARK WAS ESTABLISHED ON A SPIKE ON THE NORTH SIDE OF THE LANEWAY HAVING AN ELEVATION OF 249.44



2 SITE PLAN
A001 1:500

2A HOGEN - LOCATING PLAN
A001 1:250

PROJECT NORTH

ACTUAL NORTH