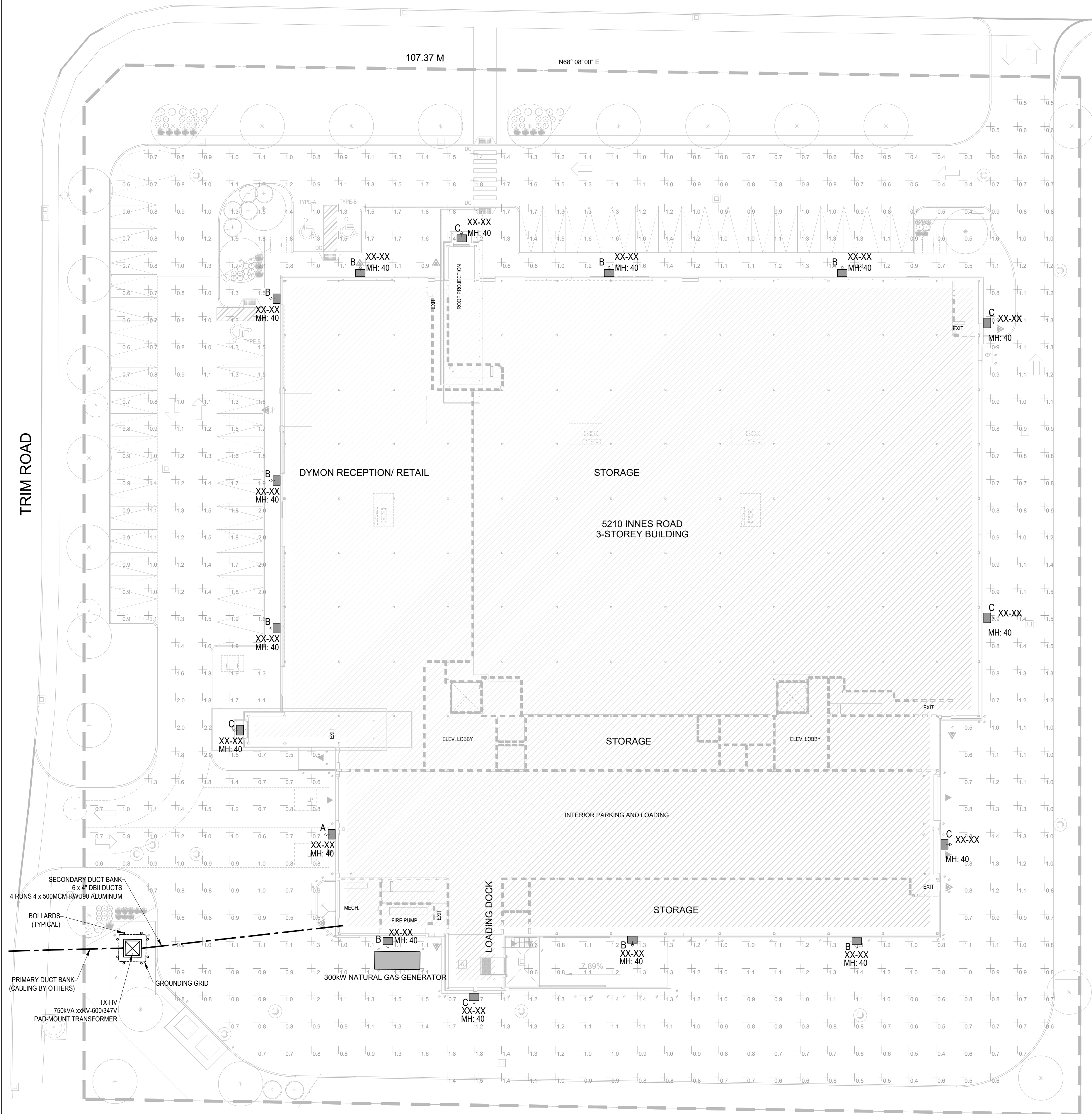
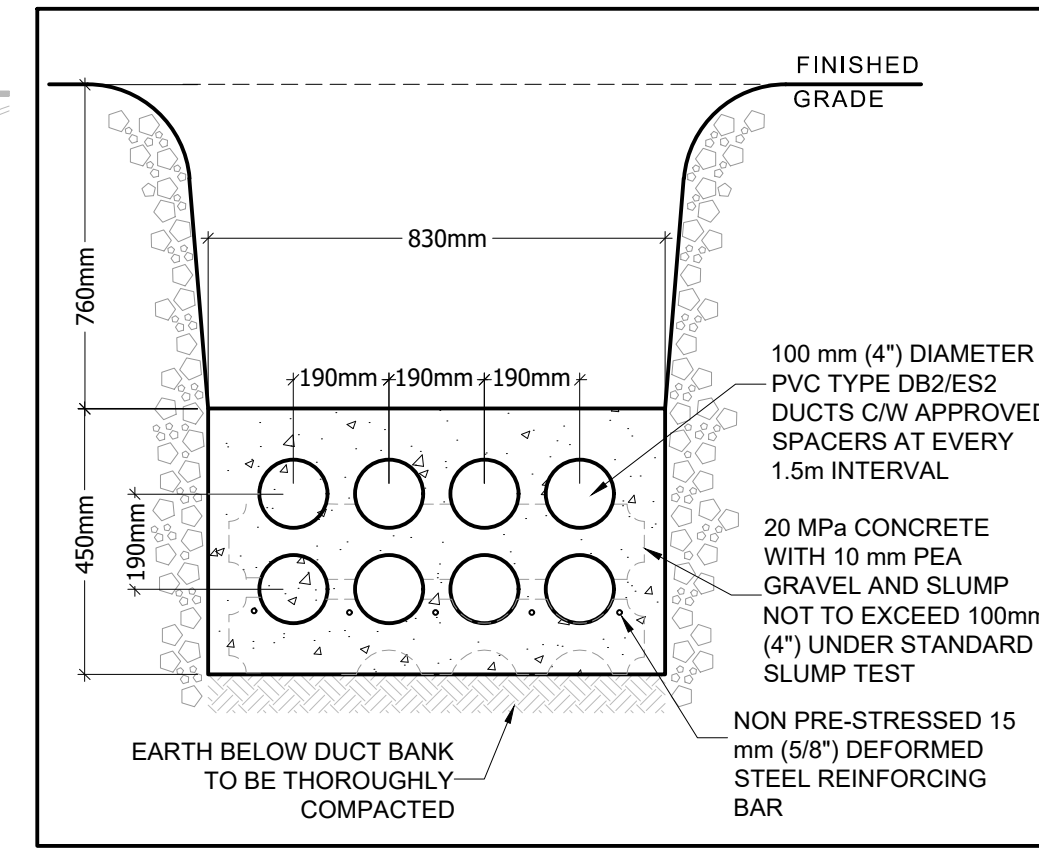


INNES ROAD

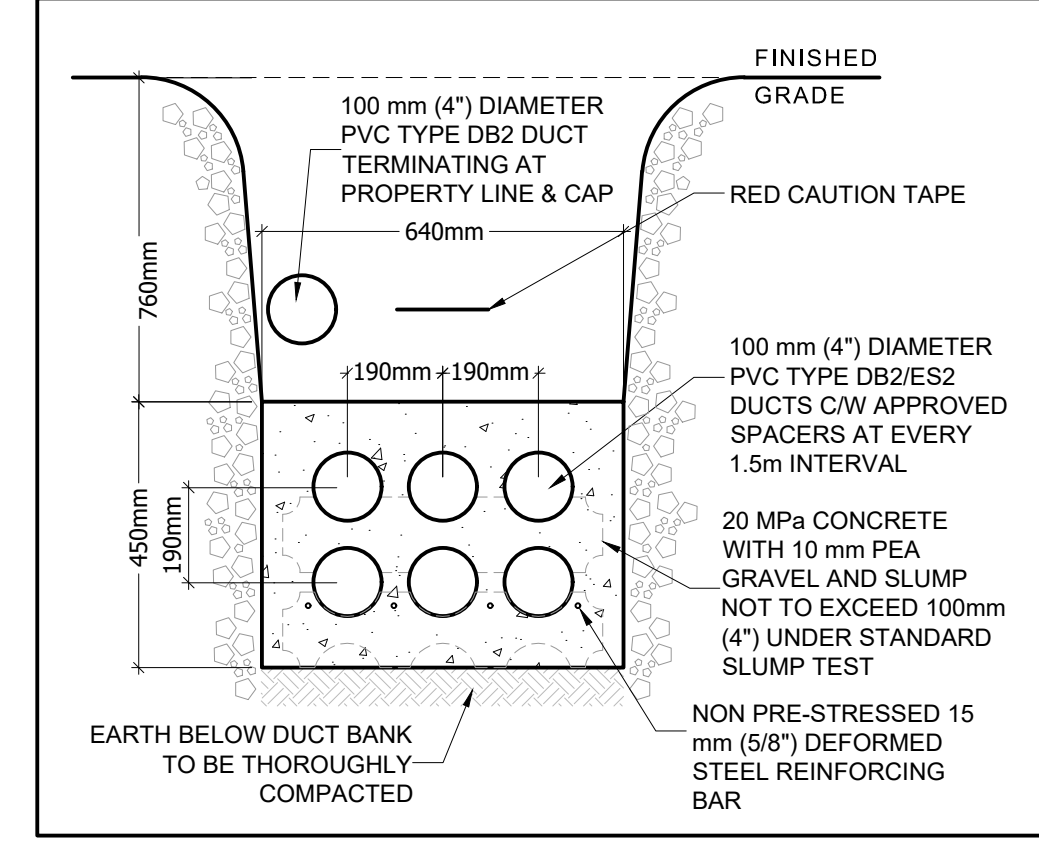


**SITE PLAN**  
SCALE 1 : 250

PRIMARY DUCT BANK DETAIL - N.T.S.



SECONDARY DUCT BANK DETAIL - N.T.S.



Exterior Luminaire Schedule

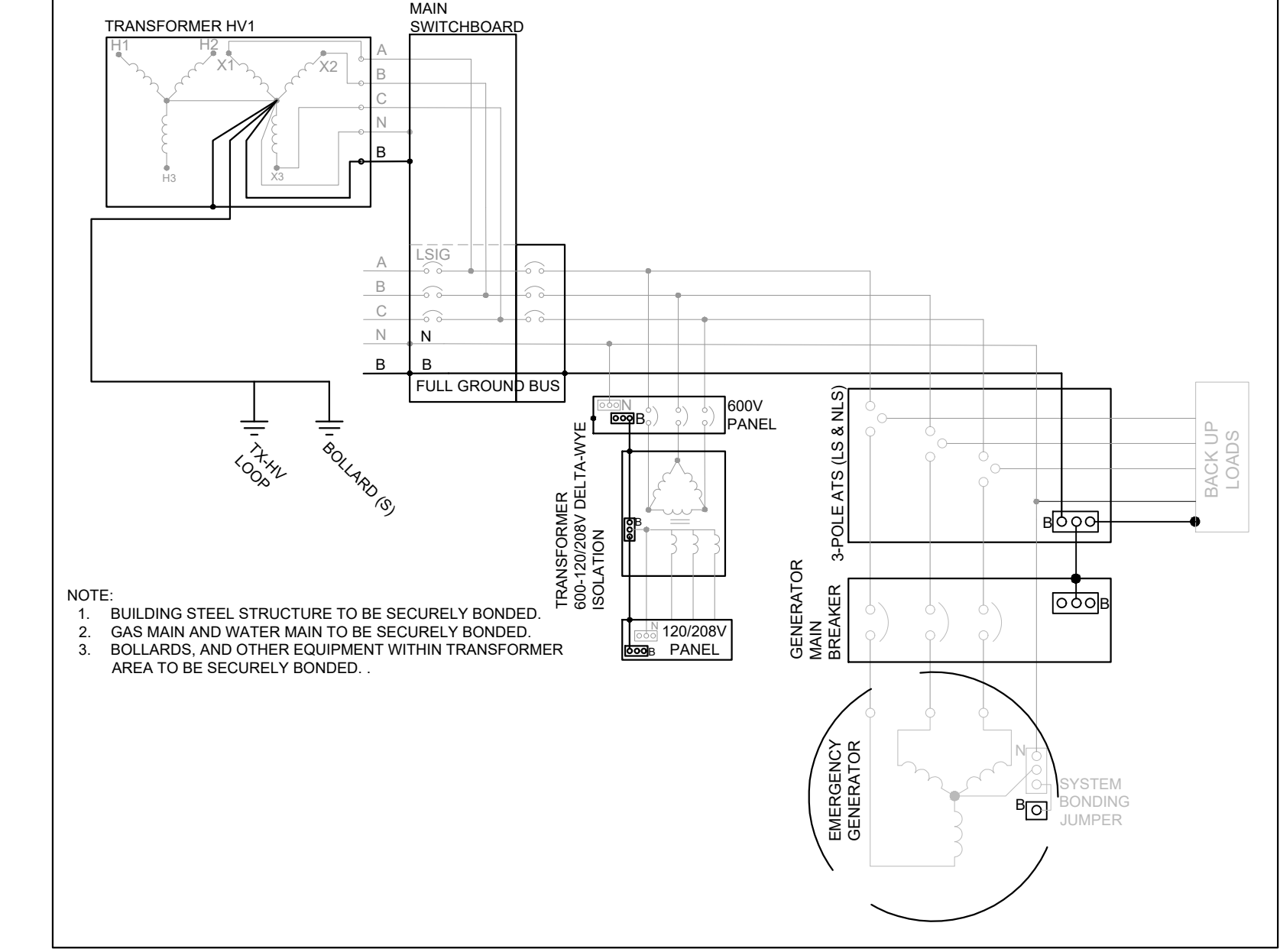
Type	Symbol	Qty	Model # (Description)
A	[Symbol]	1	XSPW-B-WM-4ME-8L-40K
B	[Symbol]	9	XSPW-B-WM-3ME-8L-40K
C	[Symbol]	6	XSPW-B-WM-2ME-8L-40K

STATISTICS

DESCRIPTION	SYMBOL	Avg	Max	Min	Max/Min	Avg/Min
SITE	+	1.06 Fc	3.2 Fc	0.3 Fc	3.53	7.33

NOTE:  
ALL EXTERIOR LIGHTING CIRCUITS TO BE CONTROLLED BY A COMMON PHOTOCELL AND TIMER.  
PROVIDE ALL NECESSARY EQUIPMENT AND MAKE ALL CONNECTIONS. LOCATION OF PHOTOCELL TO BE VERIFIED ON SITE. EXTERIOR CIRCUITS SHALL HAVE A DEDICATED NEUTRAL.  
INSTALL LIGHT STANDARDS AS INDICATED IN THE DETAIL. THIS DRAWING INDICATES THE PROPOSED OUTDOOR LIGHTING FIXTURES FOR THIS PROJECT. THE PHOTOMETRIC DATA ILLUSTRATED INDICATES LINES OF MAINTAINED HORIZONTAL ILLUMINATION IN Fc. THE PHOTOMETRIC DATA DOES NOT TAKE INTO ACCOUNT THE CONTRIBUTIONS FROM EXISTING STREET LIGHTING.

GROUNDING SCHEMATIC - NTS



NOTE:  
1. BUILDING STEEL STRUCTURE TO BE SECURELY BONDED.  
2. GAS MAN AND WATER MAN TO BE SECURELY BONDED.  
3. BOLLARDS, AND OTHER EQUIPMENT WITHIN TRANSFORMER AREA TO BE SECURELY BONDED.

SITE PLAN NOTES:

- USE PVC SHOP MANUFACTURED DUCT SPACERS AT 900mm (36") INTERVALS TO MAINTAIN DUCT ALIGNMENT. SLOPE DUCT MINIMUM 75mm (3") PER 30m (100') TOWARDS STREET.
- PROVIDE REINFORCING STEEL AS INDICATED 15mm (5/8").
- PROVIDE (3/8") ONE CONTINUOUS LENGTH OF POLYPROPYLENE FISH ROPE.
- ALL DUCTS SHALL BE TERMINATED WITH BELL FITTINGS AT EACH END.
- THE TOP ELEVATION OF THE CONCRETE ENCASEMENT SHALL BE A DEPTH OF 1.0m IN ROCK OR HIGH WATER TABLE AREAS. THE TOP OF THE DUCT BANK MAY BE PLACED AT SUB GRADE ELEVATION OR AS OTHERWISE DIRECTED. THE REINFORCING BARS ALONG SIDES AND BOTTOM OF DUCT SHALL BE CONCEALED WITH A MINIMUM OF 25mm CONCRETE COVER. DUCTS SHALL BE ENCASED WITH 20MPa GRADE CONCRETE WITH A MINIMUM COVER FO 75mm FROM EXTERIOR WALLS OF DUCTS ON ALL SIDES. CONCRETE SHALL BE WORKED BELOW AND BETWEEN PIPES TO PRODUCE A HOMOGENEOUS MASS. CONCRETE SHALL BE IN ACCORDANCE WITH CSA STANDARDS CANS-A23.2, A23.1, A23.4, AS WELL AS LOCAL UTILITY STANDARDS.
- DRILL 4 DRAINAGE HOLES IN BOTTOM OF EACH DUCT 1.3cm DIA. AT 5cm CENTRES. FILL TO TOP OF DUCTS WITH 1.9cm (3/4") CLEAR STONE. TOP OFF WITH A LAYER OF POLY-FILM, OR STYROFOAM, ETC., AND A FINAL LAYER OF CONCRETE.
- WHERE IT IS REQUIRED, CUSTOMER DUCTS SHALL BE LEFT FOR LOCAL UTILITY WITH THE PROJECTING (MINIMUM 300mm) FROM THEIR CONCRETE ENVELOPE IN A STAGGERED PATTERN. THEY SHALL BE EQUIPPED WITH SUITABLE COUPLINGS AND PLUGGED UNTIL THE JOINTS ARE MADE. THE FACE OF THE CONCRETE ENVELOPE SHALL BE LEFT ROUGH TO KEY WITH THE EXTENSION ENVELOPE AND 15mm (3/8") DIAMETER STEEL REINFORCING BARS 1.8m IN LENGTH SHALL BE ENCASED LONGITUDINALLY IN THE ENVELOPE, 50mm INSIDE THE PERIMETER OF THE BANK AT 100mm CENTRES ALONG THE SIDES AND BOTTOM OF THE BANK. THE RODS SHALL PROJECT 900mm FROM THE CENTRE TO ANCHOR FIRMLY INTO THE CONCRETE OF THE EXTENSION WHEN THE LATTER IS POURED.
- CONTRACTOR SHALL APPLY TO LOCAL UTILITY CONSTRUCTION DEPARTMENT 48 HOURS BEFORE DIGGING THE TRENCH.
- HYDRO DUCT BANK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL UTILITY SPECIFICATIONS. HIGH VOLTAGE DUCT BANK TO BE TERMINATED AT PROPERTY LINE AS SHOWN ON SITE PLAN.
- SUPPLY AND INSTALL A TWO PIECE PRE-CAST CONCRETE FOUNDATION - MODEL NO. BCP-115SM BY BROOKLIN CONCRETE PRODUCTS, NEWMARKET - PHONE NO. 1-888-407-6443.
- PROVIDE GROUNDING OF TRANSFORMER PAD AS PER LOCAL UTILITY SPECIFICATIONS. REFER TO DETAIL.
- RUN 100mm (4") PVC DBII DUCT FROM ELECTRICAL ROOM TO PROPERTY LINE AND CAP FOR FUTURE USE (PHONE/INTERNET).
- RED CAUTION TAPE TO BE LAID ABOVE DUCT BANK AS PER DETAIL "CAUTION BURIED ELECTRIC LINE BELOW".
- PROVIDE SECONDARY CABLING PER OESC FROM PAD-MOUNT TRANSFORMER TO MAIN SWITCHBOARD IN MAIN ELECTRICAL ROOM. LEAVE 3m OF CABLE INSIDE TRANSFORMER FOR CONNECTION COMPLETE WITH SPADE CONNECTORS AS PER LOCAL UTILITY.
- CONFIRM ALL WORK TO BE DONE BY LOCAL UTILITY OFFER TO CONNECT. ELECTRICAL CONTRACTOR TO COORDINATE WITH LOCAL UTILITY AS REQUIRED.
- GUARD POSTS SHALL ALLOW EQUIPMENT DOORS TO BE OPENED THROUGH THEIR FULL RANGE. THEY SHALL BE PLACED 700mm OUTSIDE THE EDGE OF EQUIPMENT. THE DISTANCE BETWEEN TWO GUARD POSTS SHALL BE MAXIMUM 1800mm. GUARD POSTS TO BE FILLED WITH 20MPa CONCRETE AND SHALL BE PAINTED WITH SAFETY YELLOW PAINT. A REFLECTIVE STRIP TO BE PLACED AT EACH POST. ALL GUARD POSTS SHALL BE GROUNDED (AS PER STANDARD 18-5000).

1	FOR SITE PLAN APPROVAL	07/11/23
NO	REVISION / ISSUED	DATE

**Hudson Engineering**

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416-663-5470

PROJECT:  
**DYMON STORAGE**  
5210 INNES RD.  
ORLÉANS, ON

DRAWING TITLE  
**SITE PLAN**

DRAWN BY	CS	DATE	JULY 11 2023
CHECKED BY	FMS	SCALE	1 : 250
PROJECT No.	23-4789	DRAWING No.	E0.02