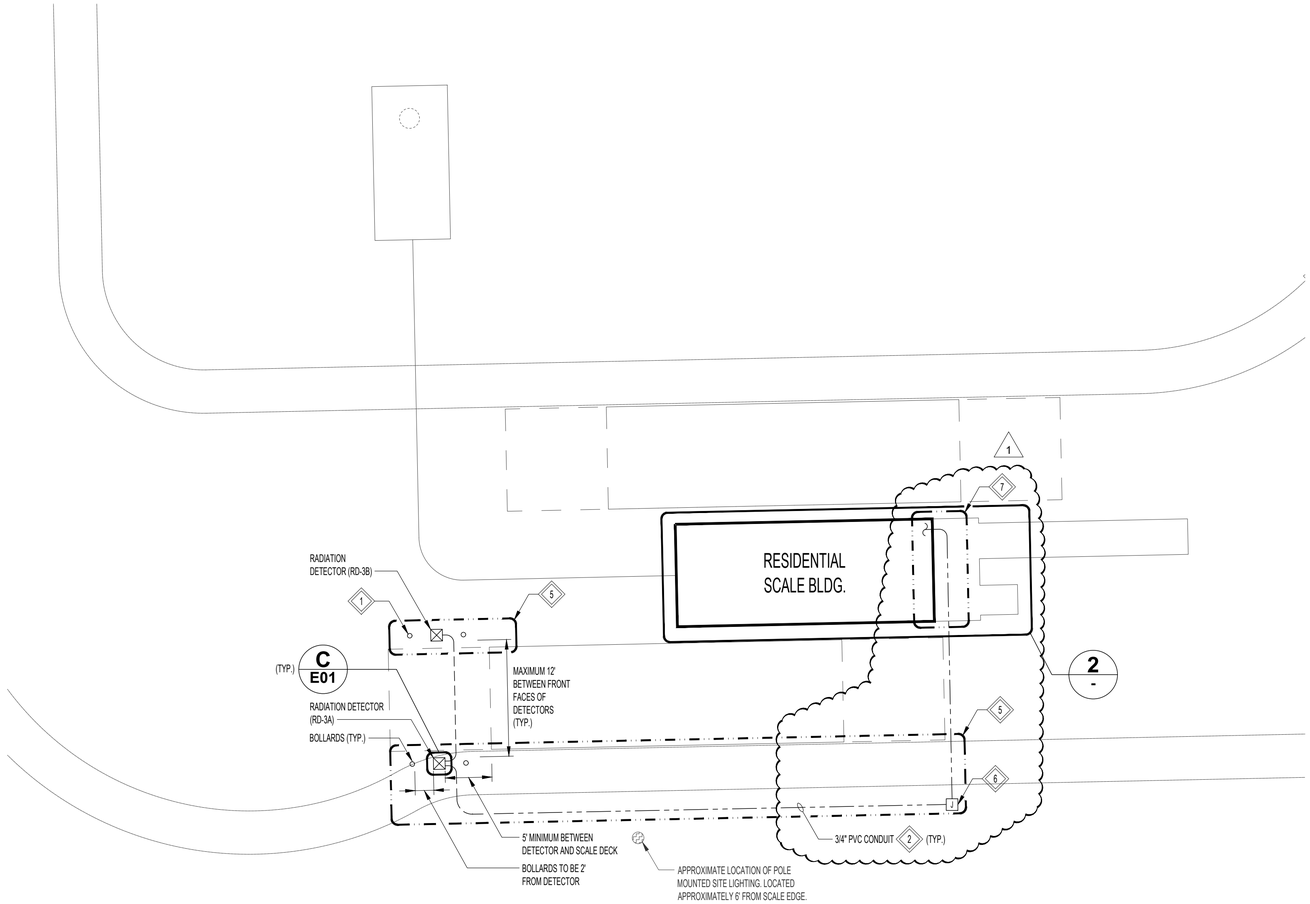
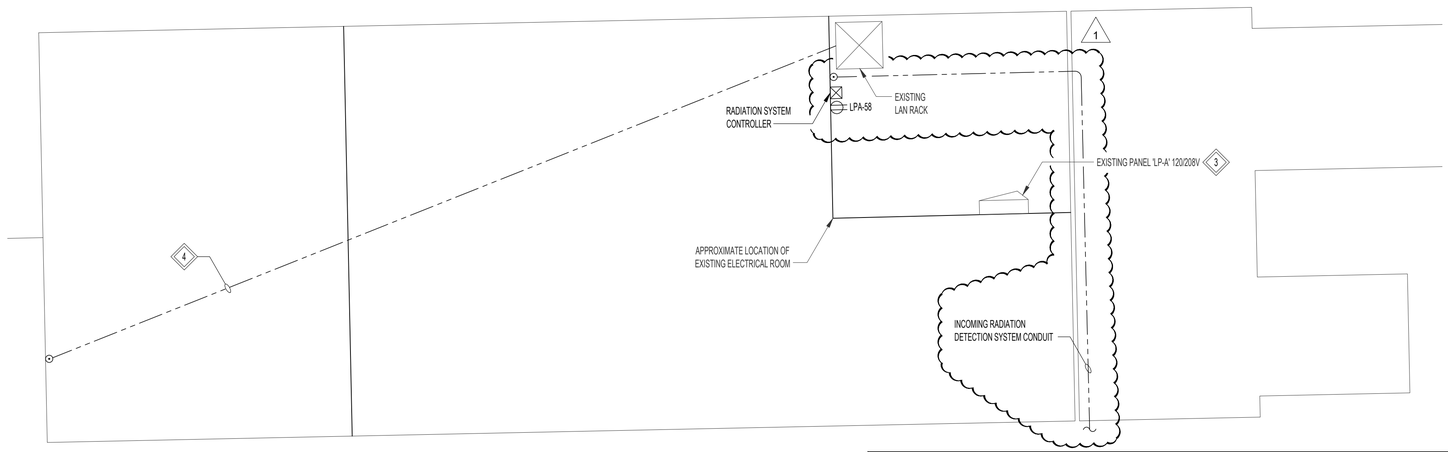


NORTH 1 - RESIDENTIAL SCALE BUILDING

SCALE: 1:100mm



NORTH 2 - ENLARGED RESIDENTIAL SCALE BUILDING

SCALE: 1:25mm

500 0 500 1000 1500 2000

SCALE: 1:25mm (24"x36")

2000 0 2000 4000 6000 8000

SCALE: 1:100mm (24"x36")

GENERAL NOTES:

1. 'RADCOMM RADIATION DETECTION SYSTEMS' WAS USED AS AS THE BASIS OF DESIGN. THE ELECTRICAL SUB-CONTRACTOR SHALL COORDINATE WITH THE APPROVED MANUFACTURER FOR EXACT SYSTEM REQUIREMENTS PRIOR TO BID.
2. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL ONLY AND ARE NOT TO BE USED FOR FINAL MEASUREMENTS. THE ELECTRICAL SUB-CONTRACTOR SHALL FIELD-VERIFY EXACT LOCATIONS AND DISTANCES ON-SITE PRIOR TO BID.
3. NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT IS THE ELECTRICAL SUB-CONTRACTORS RESPONSIBILITY TO VERIFY AND PERFORM UNDERGROUND LINE LOCATES TO CONFIRM ALL EXISTING UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF ANY GROUND WORK. REPORT ANY DISCREPANCIES OR ISSUES TO ENGINEER..
4. ALL NEW FEEDERS SHALL BE PUSHED AT 1m DEPTH UNLESS A DEEPER DEPTH IS REQUIRED TO AVOID OBSTACLES. ELECTRICAL SUB-CONTRACTOR TO EXCAVATE AS REQUIRED AND RESTORE THE SURFACES TO MATCH EXISTING. THE CONTRACTOR SHALL INSTALL UNDERGROUND FEEDERS WITH SUFFICIENT SLACK TO PREVENT SHEERING
5. ELECTRICAL SUB-CONTRACTOR TO ALLOW FOR EXCAVATING AND HYDRO VACUUMING AREAS WHERE UTILITIES ARE EXPECTED TO CROSS WITH KNOWN UNDERGROUND UTILITIES.
6. ELECTRICAL SUB-CONTRACTOR TO COORDINATE WITH THE CITY FOR ALL DEMOLITION AND CONSTRUCTION WORK THAT EFFECTS NORMAL OPERATION OF THE SITE.
7. COORDINATE THE FINAL LOCATION OF ALL EQUIPMENT WITH THE CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.

KEYNOTES:

1. RELOCATE THE EXISTING TRAFFIC LIGHT AND MOUNT TO NEW BOLLARD AS REQUIRED UTILIZING HOT DIPPED GALVANIZED STRUT AND FASTENERS. EXTEND, REWIRE, AND RE-ROUTE ALL CONDUIT AND WIRING FOR THE EXISTING TRAFFIC LIGHT. COORDINATE NEW LOCATION WITH THE CITY PRIOR TO BID.
2. ALL UNDERGROUND CONDUITS SHALL BE PUSHED (1m DEPTH MINIMUM). PATCH AND REPAIR ALL SURFACE DAMAGE CAUSED BY EXCAVATIONS AND PUSHING OPERATIONS AS REQUIRED TO RESTORE TO ORIGINAL CONDITION.
3. PROVIDE A NEW 15A, 120V, GFCI BREAKER WITHIN EXISTING PANEL 'LP-A' FOR RADIATION DETECTION SYSTEM.
1. 4. PROVIDE A CONDUIT COMPLETE WITH PULLSTRING BETWEEN RACK MOUNTED PC AND SCALE BUILDING DESK. ROUTE THE CONDUIT THROUGH THE ATTIC. COORDINATE THE EXACT LOCATION OF EQUIPMENT WITH THE CITIES IST DEPARTMENT.
5. ELECTRICAL SUBCONTRACTOR TO ALLOW FOR HYDRO-VACUUMING THIS AREA. RESTORE ASPHALT TO ORIGINAL CONDITION.
6. PROVIDE VEHICLE RATED PRECAST UNDERGROUND PULLBOXES FOR INSTRUMENTATION CABLING.
1. 7. CONTRACTOR TO HYDRO VACUUM AS REQUIRED AND RESTORE ASPHALT TO ORIGINAL CONDITION.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
1	RE-ISSUED FOR CONSTRUCTION	21/01/14	CLS
0	ISSUED FOR CONSTRUCTION	20/11/27	CLS

KGS GROUP

DESIGNED BY	SDC	CHECKED BY	CLS
DRAWN BY	SDC	APPROVED BY	CLS
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:	AS NOTED		20/11/27
DATE	20/11/02	DATE	20/11/27

ENGINEER'S SEAL
PROVINCE OF MANITOBA
C.L. SARARAS
Member
32618
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NO.
20-0107-12

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

PROJECT TITLE
BRADY ROAD RESOURCE MANAGEMENT FACILITY
RADIATION DETECTION SYSTEM

RESIDENTIAL SCALE BUILDING

SHEET 3 OF 4
COMPUTER FILE NAME
839-2020-Drawing_20-0107-012_E03
CONSULTANT DRAWING NUMBER
E03