

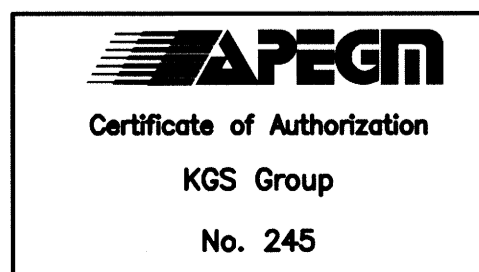
1 SINGLE LINE DIAGRAM
SCALE: N.T.S.

| SUPPLY: 240V 1Ø 3W MAINS AMPACITY: 60 INCOMING: <input type="checkbox"/> BREAKER <input checked="" type="checkbox"/> LUGS MAIN BREAKER REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO MAIN BREAKER AMPS: BUS MATERIAL: <input checked="" type="checkbox"/> COPPER <input type="checkbox"/> ALUMINUM BUS AND BREAKER RATING: 10kA | | NAME PLATE: PANEL ' PNL-A71 ' | | LOCATION: PADMOUNT ENCLOSURE MOUNTING: <input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH MANUFACTURER: MODEL NO: BREAKER: <input type="checkbox"/> PLUG-IN <input checked="" type="checkbox"/> BOLT-ON SPD: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SERVICE ENTRANCE RATED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | |
|---|------|---|-----|--|----|-----------|---|------|---------|
| REV/CCT | VA | P | BKR | L1 | L2 | BKR | P | VA | CCT/REV |
| 1 | 600 | 1 | 15 | | | 15 | 1 | 1200 | 2 |
| 3 | 1200 | 1 | 15 | | | 15 | 1 | | 4 |
| 5 | | | | | | | | | 6 |
| 7 | | | | | | | | | 8 |
| 9 | | | | | | | | | 10 |
| 11 | | | | | | | | | 12 |
| 13 | | | | | | | | | 14 |
| 15 | | | | | | | | | 16 |
| 17 | | | | | | | | | 18 |
| | | | | LOAD 'L1' | | LOAD 'L2' | | | |
| | | | | 1,800 | | 1,200 | | | |

- NOTES:**
- BREAKER SHALL BE SERVICE ENTRANCE RATED.
 - EQUIPMENT INDICATED SHALL BE LOCATED WITHIN PADMOUNT ENCLOSURE.
 - PROVIDE RIGID STAINLESS STEEL CONDUIT FOR ABOVE GROUND PORTION OF RUN AND 1'-0" BELOW GRADE TO DETER VANDALISM.
 - PROVIDE AND INSTALL A TOTAL PROTECTION SOLUTIONS SERVICETRACK ST080-600NN SURGE PROTECTION DEVICE (SPD). SPD SHALL BE LOCATED DIRECTLY ADJACENT TO PANEL PNL-A70. EXTENSION OF MANUFACTURER SUPPLIED CABLE SHALL NOT BE PERMITTED. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - CONNECTION SHALL BE MADE IN A NON-METALLIC NEMA 4 RATED JUNCTION BOX LOCATED IN THE PUMP CHAMBER IMMEDIATELY BELOW HATCH AND ADJACENT TO CONDUIT ENTRY POINT AS SHOWN ON DETAIL 'C' OF DRAWING 1-0204A-E0007-001 (E07).
 - PROVIDE, INSTALL, TEST AND COMMISSION AN ABB MONITORING RELAY, PART No. WMM011AL POWER MONITOR SETPOINTS AS FOLLOWS:
 UNBALANCE: 9%
 LINE VOLTAGE: 600v
 TRIP DELAY: 2 SEC
 RESTART DELAY: 10 SEC
 SELECTOR: AUTO RESTART WITH TRIP DELAY

- LEGEND:**
- CIRCUIT BREAKER
 - MB HYDRO APPROVED METER SOCKET C/W SCREW TYPE SEALING RING.
 - STARTER
 - DENOTES SIZE
 - DRY TYPE SINGLE PHASE TRANSFORMER

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| | | | | |
|---------------------------|---------------|--|---------------------------|---------------------|
| POSTED TO LBIS | FIELD BOOK #: | KGS GROUP CONSULTING ENGINEERS | | ENGINEER'S SEAL |
| | | DESIGNED BY: SEB | CHECKED BY: <i>AMS</i> | E01 |
| | | DRAWN BY: DIS | APPROVED BY: <i>AMS</i> | |
| | | HDR. SCALE: N.T.S. | RELEASED FOR CONSTRUCTION | |
| | | VERTICAL: N.T.S. | | |
| 0 ISSUED FOR CONSTRUCTION | 15/10/02 | DATE: 2015 07 17 | DATE: | |

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

FORT ROUGE OUTFALL CHAMBER UPGRADES
 FORT ROUGE
ELECTRICAL
 SINGLE LINE DIAGRAM

SHEET 1 OF 1
 CITY DRAWING NUMBER
 1-0204A-E0001-001