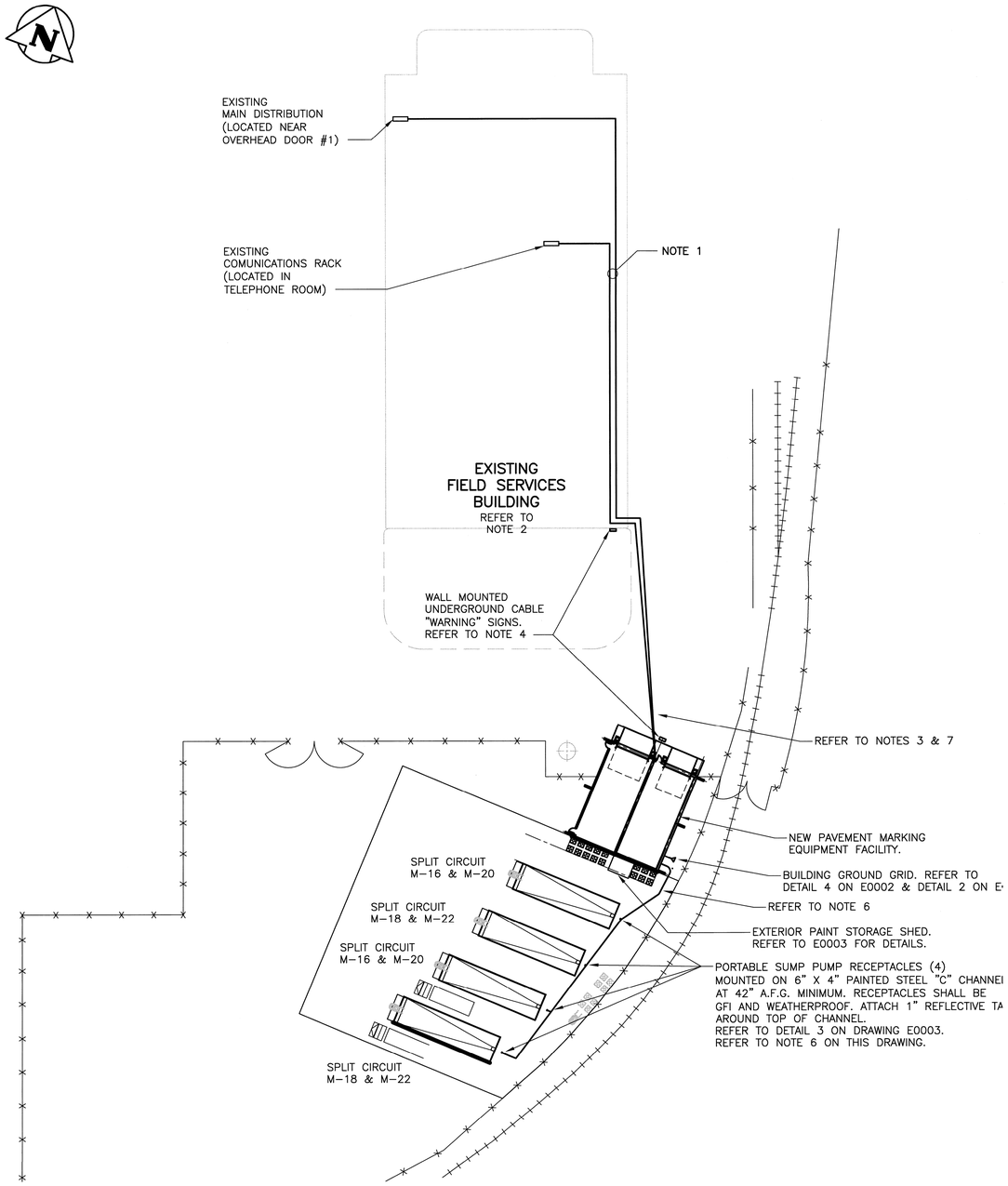

1 — SITE PLAN – ELECTRICAL LAYOUT
1:500

SYMBOL LEGEND :

- 1x8 FLUORESCENT LUMINAIRE
- 1x4 FLUORESCENT LUMINAIRE
- WALL MOUNTED LUMINAIRE
- NEW HID FIXTURE
- EX — EXISTING HID FIXTURE LOCATION
- DUPLEX RECEPTACLE
- GFI — DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER
- SC — SEPARATE CIRCUIT DUPLEX RECEPTACLE
- WP — WEATHER PROOF DUPLEX RECEPTACLE C/W SPRING CLOSED COVER
- $ — SINGLE POLE SWITCH
- $PL — SINGLE POLE SWITCH (PL = PILOT LIGHT)
- $3W — DOUBLE POLE 3 WAY SWITCH (4W = 4 WAY)
- $$ — MULTI POLE GANGED SWITCH
- TELEPHONE OUTLET
- DATA OUTLET
- J — JUNCTION BOX
- ELECTRICAL PANEL
- MECHANICAL MOTOR
- UNIT HEATER BY MECHANICAL CONTRACTOR
- DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR
- BIT — BASEBOARD HEATER (BIT = BUILT-IN THERMOSTAT)
- 19mm PAINTED PLYWOOD BACKBOARD C/W POWER SUPPLY AND #6AWG GROUND WIRE TO BUILDING GROUND AND C/W 50mm ENTRANCE CONDUIT AS REQUIRED BY THE TELEPHONE UTILITY. LOCATE IN OFFICE ROOM 104.
- PUSHBUTTON
- EX — EXISTING ELECTRICAL DEVICES
- EXIT — UNIVERSAL EXIT SIGN C/W LED LIGHT SOURCE. LUMACELL LER 3000 SERIES. 347V
- DOUBLE HEAD EMERGENCY LUMINAIRE. LUMACELL RSQB-2, 12V, 12W QUARTZ.
- EMERGENCY BATTERY BANK 347V INPUT, 360W, 12V OUTPUT. LUMACELL RG12S360/2

NOTES:

1. NEW CABLES FROM EXISTING DISTRIBUTION AND COMMUNICATIONS RACK SHALL BE ROUTED ALONG BUILDING LINES WITHIN THE EXISTING FIELD SERVICES BUILDING TO THE SOUTH/EAST CORNER WHERE CABLES CAN BEST BE ROUTED OUTSIDE AND UNDERGROUND TO THE PAVEMENT MARKING EQUIPMENT FACILITY. SEAL ALL BUILDING AND WALL PENETRATIONS TO RESTORE FIRE RATINGS AND WEATHER TIGHTNESS TO THE CITY OF WINNIPEG'S SATISFACTION.
2. ALL NEW INSTALLATIONS WITHIN THE FIELD SERVICES BUILDING SHALL MATCH EXISTING INSTALLATIONS AND COMPLY WITH FACILITY INSTALLATION REQUIREMENTS AND STANDARDS. COORDINATE EXACT WIRING METHODS, CABLE ROUTING, CABLE SUPPORT AND CABLES EXIT POINTS FROM THE BUILDING WITH THE CITY OF WINNIPEG ON SITE PRIOR TO EQUIPMENT PROCUREMENT AND INSTALLATION. ALL CABLES SHALL BE PROTECTED FROM MECHANICAL DAMAGE WITHIN 3 METERS ABOVE FINISHED FLOOR AND 1 METER BELOW FINISHED GRADE. MECHANICALLY PROTECT ENTIRE LENGTH OF CABLES EXPOSED OUTSIDE.
3. PUSH CONDUIT UNDER EXISTING PAVING FROM THE PAVEMENT MARKING EQUIPMENT FACILITY TO THE FIELD SERVICES BUILDING. PROVIDE SEPARATE CONDUITS FOR POWER & VOICE/DATA CABLES. SPACE CONDUITS FOR POWER AND VOICE/DATA TO PROVIDE A MINIMUM OF 300mm SEPARATION.
4. PROVIDE 300mm X 300mm LAMACOID PLATE C/W 25mm LETTERING ON EACH BUILDING WHERE CABLES ENTER/EXIT READING "WARNING – 600VAC. UNDERGROUND CABLES LOCATED LINE OF SITE BETWEEN PAVEMENT MARKING EQUIPMENT FACILITY AND FIELD SERVICES BUILDING." WALL MOUNT SIGNS IN VISUALLY UNOBSTRUCTED AREA AT EYE HEIGHT. ATTACH SIGNS TO BUILDING WALLS WITH STAINLESS STEEL FASTENERS.
5. COORDINATE ELECTRICAL INSTALLATION WITH ALL OTHER TRADES AND MAKE REQUIRED CONNECTIONS TO EQUIPMENT SUPPLIED BY OTHERS.
6. INSTALL RECEPTACLE POSTS MINIMUM 1 METER FROM THE SUMP CONTAINMENT AREA. RUN CONDUCTORS PERPENDICULAR AWAY FROM CONTAINMENT AREA TO A COMMON TRENCH BACK TO THE EQUIPMENT FACILITY. USE DIRECT BURIED #12 TECK CABLES AT 600mm B.F.G. MINIMUM C/W WARNING TAPE AT 300mm B.F.G. ALONG PATH. BACKFILL WITH COMPACTED GRANULAR FILL. COORDINATE EXACT LAYOUT ON SITE PRIOR TO EQUIPMENT PROCUREMENT AND INSTALLATION.
7. RECORD ALL INSTALLATION DIMENSIONS TO KNOWN POINTS ON THE CONSTRUCTION SET OF DRAWINGS DURING CONSTRUCTION FOR INCORPORATION INTO THE RECORD SET OF DRAWINGS AFTER CONSTRUCTION HAS FINISHED.

NO.	DESCRIPTION	DATE	ISSUED BY
0	ISSUED FOR TENDER	09.04.17	L.K.

REVISIONS/ISSUE

CLIENT
CITY OF WINNIPEG
PUBLIC WORKS TRAFFIC SERVICES

WARDROP | Engineering Inc.

PROJECT NAME
RENOVATIONS FOR
PAVEMENT MARKING OPERATIONS FACILITY

DRAWING DESCRIPTION
SPECIFICATIONS
SITE PLAN – ELECTRICAL LAYOUT

APEGM Certificate of Authorization
Wardrop Engineering Inc.
No. 195 Date: April 30, 2009

PROVINCE OF MANITOBA
L.KORENBAUM
09.04.17
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY:	DRAWN BY:	CHECKED BY:
CPG	T.S.	LK

APPROVED BY:

SCALE:	DATE:
AS NOTED	09.02.18

DRAWING NO. 0900070300-DWG-E0001 REV. 0

1:500 10 0 10 20m

A1 (594 x 841)