



**MAIN DISTRIBUTION SINGLE LINE SCHEMATIC**

- NOTES:**
- EXISTING DISTRIBUTION IS SHOWN - - - - (DASHED).
  - PROVIDE FOR "FUTURE" DIGITAL METERING TO MATCH EXISTING (FOR PARKING LOT AA & BB METERING).
  - 200A-3P CONTACTORS INSTALLED IN CUSTOM CDP ENCLOSURE.
  - ALL WIRING TO BE RW90 X-LINK IN LMT  
 eg. 4#1000 IS 4#1000MCM RW90 X-LINK PLUS GROUND (TO CEC TABLE 16/17) IN CONDUIT.
  - GROUND CONDUCTORS TO BE SIZED AS PER CEC.
  - PROVIDE NEW BREAKERS TO MATCH EXISTING.
  - TRANSFER SWITCH AND CONTROLLER FOR NEW FIRE PUMP SUPPLIED BY DIVISION 15.
  - RE-ROUTE/RE-USE/RECONNECT EXISTING FEEDER TO NEW SPLITTER.
  - FEEDER HAS DOUBLE NEUTRAL.
  - THE ORIGINAL COORDINATION STUDY IS AVAILABLE FOR VIEWING AT SMS'S OFFICE. PROVIDE A FULL COORDINATION STUDY TO RECONSTRUCT ALL EXISTING BREAKER SETTINGS AND PROVIDE SETTINGS FOR NEW BREAKERS. SET ALL BREAKERS (NEW AND EXISTING) AS PER THE FINAL APPROVED STUDY. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
  - PROVIDE ADDRESSABLE FIRE ALARM MODULES TO ANNUNCIATE:
    - FIRE PUMP RUNNING
    - FIRE PUMP TROUBLE
    - PHASE REVERSAL
    - POWER FAILURE
  - BUILT INTO CDP, TO MATCH EXISTING. TRANSFORMERS ARE VPI EPOXY TYPE.

**SMS ENGINEERING**  
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ORIGINAL CONTRACT DRAWING  
 BOKED AND SEALED BY  
 A.M. LOISEL, P. ENG.  
 MAY 18, 2004

**APECM**  
 Certificate of Authorization  
 SMS Engineering Ltd.  
 No. 966 Expiry April 30, 2005

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 This drawing shall not be used for building purposes until counterchecked by:

**THE CITY OF WINNIPEG**

OFFICE ADDITION AND RENOVATION  
 1155 PACIFIC AVENUE  
 WINNIPEG, MANITOBA



FRIESEN TOKAR ARCHITECTS

**RECORD DRAWING**

CONTRACTOR:  
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DATE COMPLETED: \_\_\_\_\_ SIGNED BY: \_\_\_\_\_

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SINGLE LINE DISTRIBUTION SCHEMATIC **E3.1**