

FILE NAME:

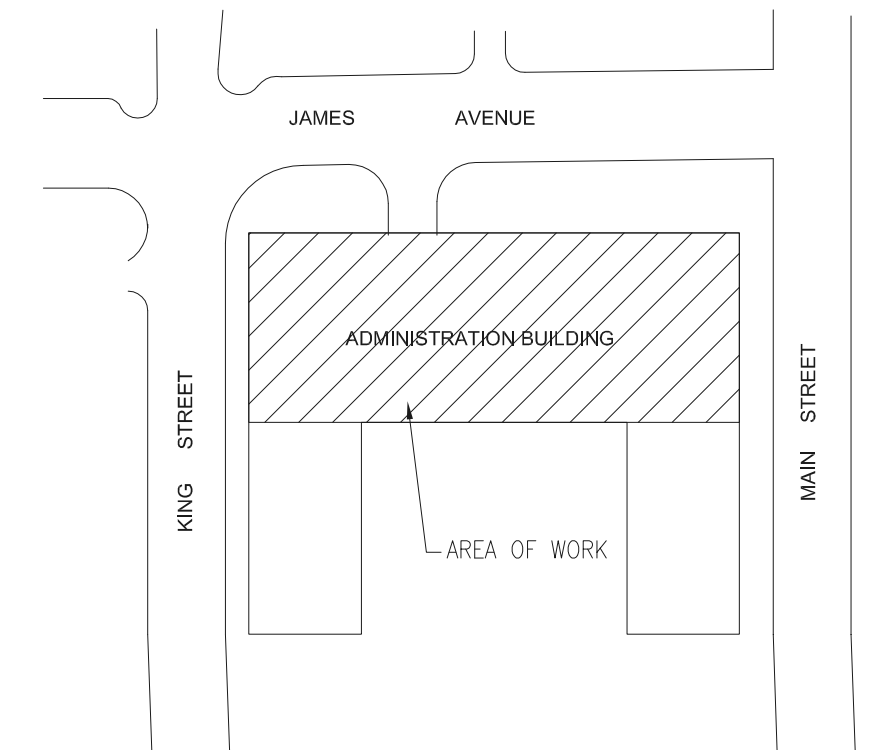
DATE: 12/07/09

DESCRIPTION: NEW BASEMENT SPRINKLER LAYOUT

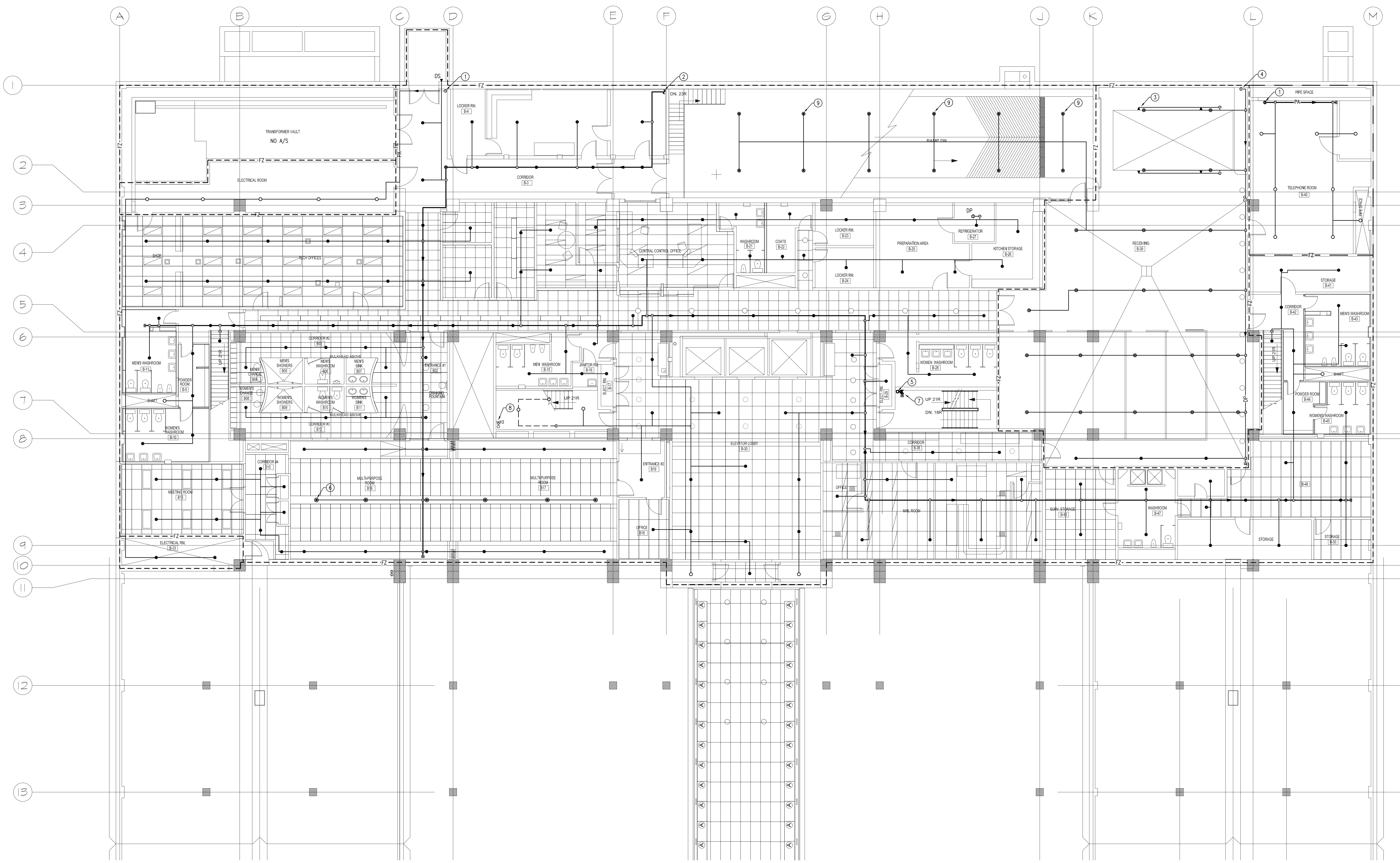
PROJECT No: 11-173-01

ADDRESS: 510 MAIN STREET

NOTES:



KEYPLAN  
NTS



**GENERAL NOTES**

- A. CONTRACTOR SHALL CONFIRM DESIGN. THIS LAYOUT IS ONLY INTENDED TO SHOW HEAD TYPE AND GENERAL INTENT. CONTRACTOR SHALL INCLUDE FOR, PROVIDE AND INSTALL ALL ADDITIONAL SPRINKLER HEADS, PIPING, EQUIPMENT AND OTHER SYSTEM APPURTENANCES AS REQUIRED BY CODE AND AS REQUIRED TO INSTALL A COMPLETE WORKING FIRE PROTECTION SYSTEM.
- B. CONTRACTOR SHALL INCLUDE FOR AND PROVIDE ALL COORDINATION BETWEEN TRADES AND CONTRACT ADMINISTRATOR ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF FIRE PROTECTION SYSTEMS. WHERE RE-ROUTING OF PIPING OR ADDITIONAL WORK REASONABLY INCIDENTAL TO ORIGINAL DESIGN INTENT IS REQUIRED DUE TO COORDINATION IT SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE CITY.
- C. ALL PIPE SIZING REQUIREMENTS SHALL BE HYDRAULICALLY CALCULATED AND PROVIDED BY THE SUCCESSFUL INSTALLING CONTRACTOR.
- D. ALL PIPE ON DRY AND PREACTION SYSTEMS TO BE PITCHED AS REQUIRED BY NFPA13.

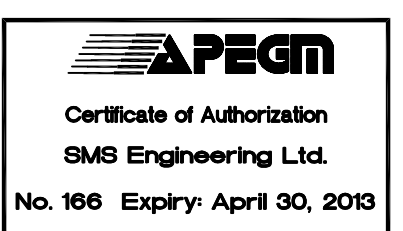
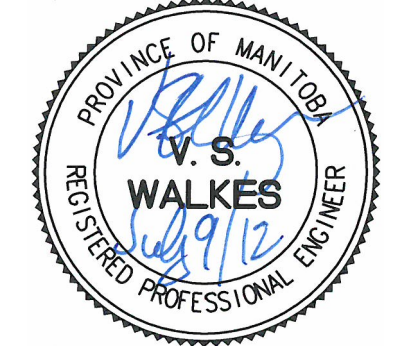
**KEY NOTES**

- 1. PREACTION RISER UP FROM SUB-BASEMENT.
- 2. WET SPRINKLER PIPE ENTERING BASEMENT AT HIGH LEVEL FROM MECHANICAL ROOM IN SUB BASEMENT.
- 3. SPRINKLER UNDERSIDE OF OVERHEAD DOOR.
- 4. DRY PIPE RISER UP FROM SUB-BASEMENT.
- 5. NEW EAST STAR STANDPIPE (STAR#1) RISER UP FROM BASEMENT LEVEL UP TO LEVEL 7. REFER TO DRAWING M1-1/2.
- 6. USE EXTENDED RANGE CONCEALED SPRINKLERS AND LOCATE IN LINE WITH EXISTING FLOOR LIGHTS IN CENTRE OF ROOM.
- 7. PROVIDE NEW 65MM FIRE LINE ANGLE VALVE C/W 65MM X 38MM REDUCER, CAP, AND CHAIN ON ALL LEVELS UP TO LEVEL 7.
- 8. EXISTING COMBINED SPRINKLER/STANDPIPE RISER.
- 9. INSTALL DRY PIPE AND PENDANT SPRINKLER HEADS C/W WIRE GUARDS AS HIGH AS POSSIBLE ON RAMP CEILING.

1 NEW BASEMENT SPRINKLER LAYOUT  
SCALE: 1:100

|     |                               |    |       |
|-----|-------------------------------|----|-------|
| 2   | RE-ISSUED FOR BID OPPORTUNITY | TL | 07/12 |
| 1   | ISSUED FOR BID OPPORTUNITY    | TL | 07/12 |
| NO. | REVISION/DESCRIPTION          | BY | DATE  |

SEALS



|          |         |               |    |          |     |
|----------|---------|---------------|----|----------|-----|
| DRAWN BY | DL      | CHECKED BY    | TL | APPROVED | VSW |
| DATE     | 2012/09 | USER APPROVAL |    |          |     |

CITY OF WINNIPEG  
PLANNING, PROPERTY &  
DEVELOPMENT DEPARTMENT  
CIVIC ACCOMMODATIONS DIVISION  
300 - 65 GARRY ST. R3C 4K4

PROJECT  
CITY OF WINNIPEG  
BASEMENT & SUB-BASEMENT FIRE  
SUPPRESSION UPGRADE  
510 MAIN STREET  
SHEET TITLE

**SMS ENGINEERING**  
SMS Engineering Ltd. Consulting Engineers  
770 Broadway Street Winnipeg MB Canada R3M 0A3  
Telephone: 204.775.0291 Fax: 204.772.2153  
sms@smseng.com

NEW BASEMENT SPRINKLER LAYOUT

|       |             |           |
|-------|-------------|-----------|
| SCALE | PROJECT NO. | SHEET NO. |
| 1:100 | 501-2012    | M1.2      |