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| 0 | ISSUED FOR TENDER | 2017/07/21 |
| Revision | Description | Date |
| Client | | client |

**PUBLIC WORKS &
GOVERNMENT SERVICES**

100-167 LOMBARD AVENUE
WINNIPEG, MB R3B 0T6

Project
**CORRECTIONAL SERVICE CANADA
STONY MOUNTAIN INSTITUTION
STONY MOUNTAIN, MB**
Unit 6
**UNIT 6
MECHANICAL UPGRADE**

| | |
|---|--------------------------------|
| Designed by ZHA | Conçu par |
| Drawn by RTD | Dessiné par |
| Approved by KAS | Approuvé par |
| PWOSC Project Manager TIM LODGE | Administrateur de Projets TPSC |
| Drawing title | Titre du dessin |

**UNIT 6
TO POWER HOUSE
SITE TUNNELS - EXISTING**

| | | |
|--|--|--------------------------|
| Project no./No. du projet R.043722.003 | Drawing no./No. du dessin E102 | Revision no. 0 |
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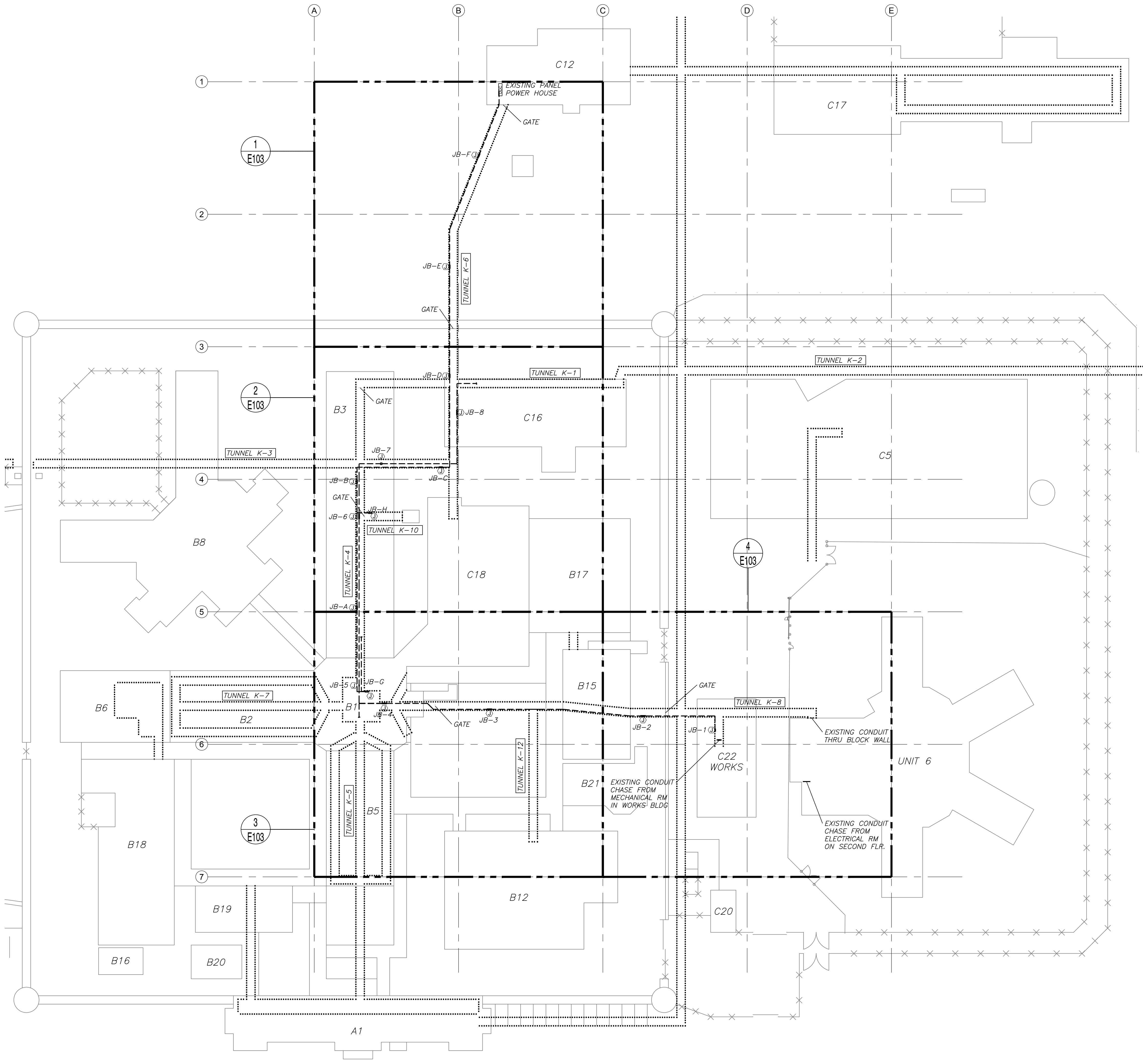
| KEY NOTES: | | | |
|------------|---------------------|--------|--------------------------|
| A1 | ADMINISTRATION | B19 | CHAPEL |
| B1 | PRISON DOME | B20 | VISITING DUPLEX 1,2 |
| B2 | 'A' RANGE | B21 | ARTS & CRAFTS |
| B3 | 'M' RANGE | C5 | INDUSTRIAL SHOP - CORCAN |
| B5 | 'B' RANGE | C12 | POWER HOUSE |
| B6 | CULTURAL CENTRE | C16 | METAL & TAILOR SHOP |
| B8 | MULTIPURPOSE BLDG | C17 | STORES |
| B12 | KITCHEN | C18 | RECREATION HALL |
| B15 | S.I.S. | C20 | FIREHALL |
| B16 | VISITING DUPLEX 3 | C22 | WORKS |
| B17 | SCHOOL | UNIT 6 | 96 BED BUILDING |
| B18 | HOSPITAL PSYCHOLOGY | | |

| ELECTRICAL LEGEND | | |
|--------------------------|--------|-------------------------------|
| ITEM | SYMBOL | REMARKS |
| ELECTRICAL PANEL | | |
| DDC PANEL | | |
| NEW EMT CONDUIT FOR DDC | | 500 |
| NEW EMT CONDUIT FOR 120V | | |
| EXISTING CONDUIT | | 500 |
| JUNCTION BOX | | |
| PHOTO LOCATION | | ARROW SHOWS VIEWING DIRECTION |
| FAN COIL | | 26W 24VDC |
| FAN COIL TAG | | |

| EXISTING JUNCTION BOX SCHEDULE | | | | |
|--------------------------------|--------------|---|--|----------------|
| BOX TAG | SIZE (WxHxD) | INCOMING CONDUIT (SIZE & CONTENTS) | OUTGOING CONDUIT (SIZE & CONTENTS) | ELEV. (A.F.F.) |
| JB-1 | 610x150x150 | 1020 CONDUIT w/ 3 FIBRE OPTIC CABLES | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 1118 |
| JB-2 | 1219x200x127 | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 400 |
| JB-3 | 1219x200x127 | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 1689 |
| JB-4 | 1219x200x127 | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES (1 CUT IN BOX) | 500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG 500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG | 787 |
| JB-5 | 300x100x114 | 500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG | 500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG | 1295 |
| JB-6 | 1219x200x127 | 500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG | 500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG | 1956 |
| JB-7 | 400x400x150 | 500 CONDUIT w/ 6 FIBRE OPTIC CABLES 1 #14 AWG 500 CONDUIT w/ 2 GREY DATA CABLES 500 CONDUIT w/ 3 FIBRE OPTIC CABLES 1 GREY DATA CABLE 2 #14 AWG | 500 CONDUIT w/ 2 FIBRE OPTIC CABLES 500 CONDUIT w/ 1 GREY DATA CABLE 1 #14 AWG | 1295 |
| JB-8 | 1219x200x150 | 500 CONDUIT w/ 2 FIBRE OPTIC CABLES | 500 CONDUIT w/ 2 FIBRE OPTIC CABLES | 1524 |
| JB-A | 914x200x127 | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | |
| JB-B | 914x200x127 | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | |
| JB-C | 914x200x127 | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES | 633 |
| JB-D | 914x200x127 | 500 CONDUIT w/ 3 FIBRE OPTIC CABLES 130 CONDUIT w/ 4 #24 AWG GREY 250 CONDUIT w/ 2 FIBRE OPTIC CABLES 1 #24 AWG YELLOW | 500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW | 1219 |
| JB-E | 914x200x127 | 500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW | 500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW | 1676 |
| JB-F | 914x200x127 | 500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW | 500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW | 1219 |
| JB-G | 914x914x300 | 250 CONDUIT w/ 2 FIBRE OPTIC CABLES 250 CONDUIT w/ 1 FIBRE OPTIC CABLE | 380 CONDUIT w/ 3 FIBRE OPTIC CABLES | NOT VERIFIED |
| JB-H | 914x914x300 | NOT VERIFIED | NOT VERIFIED | NOT VERIFIED |

NOTE:
"INCOMING" AND "OUTGOING" CONDUITS IN THIS SCHEDULE RELATE TO TRAVEL ALONG THE EXISTING CONDUITS FROM JB-A TO JB-F AND FROM JB-1 TO JB-8.

| CONSTRUCTION NOTES | |
|--------------------|--|
| 1. | APPROXIMATE DISTANCE THRU EXISTING CONDUITS FROM ELECTRICAL ROOM IN UNIT 6 TO BLOCK WALL IN TUNNEL IS 30 METERS. |
| 2. | APPROXIMATE DISTANCE THRU EXISTING CONDUITS FROM JB-1 TO POWER HOUSE IS 300 METERS. |



SMI
OVERALL SITE - TUNNEL LAYOUT
1:500