



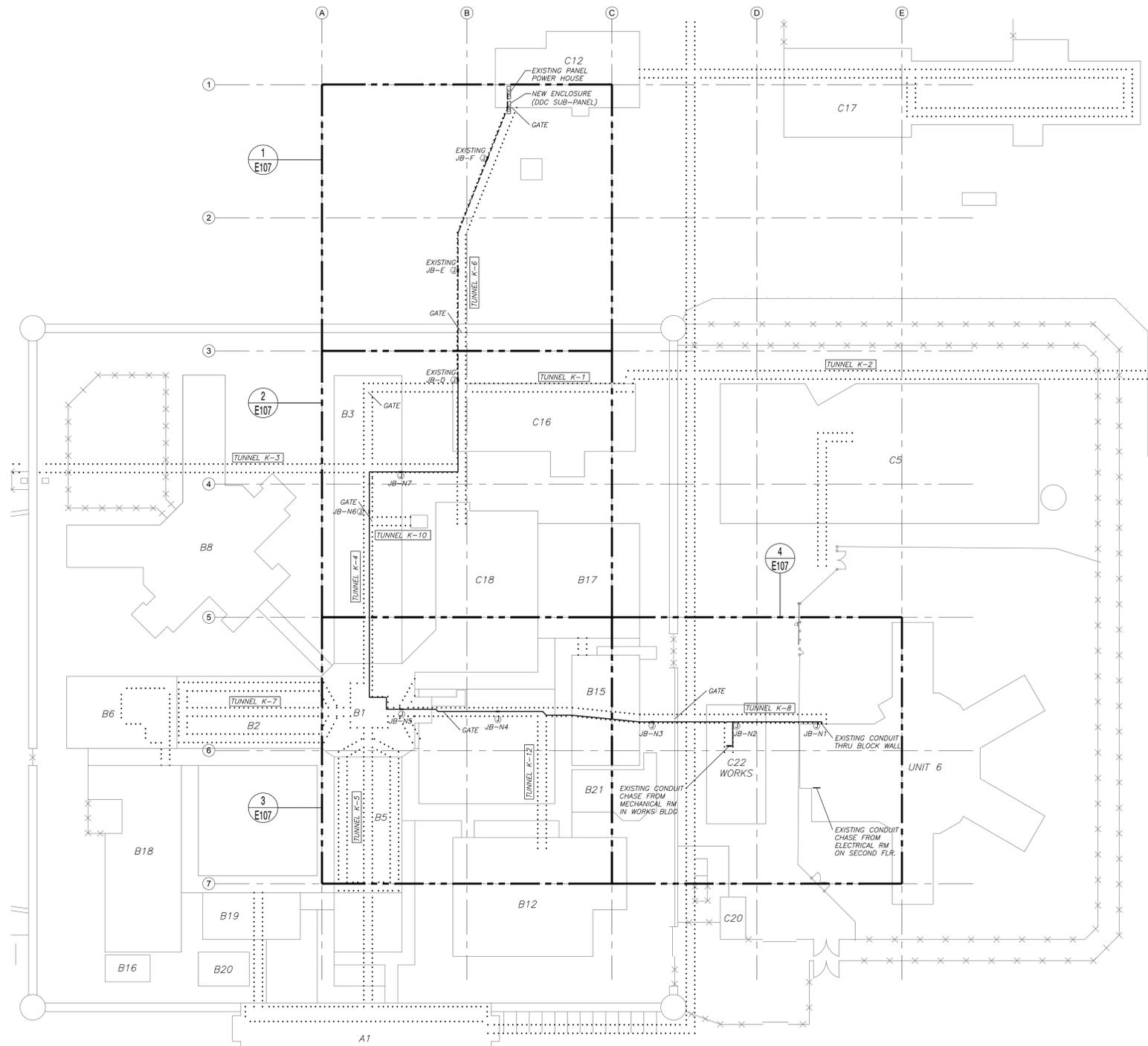
KEY NOTES:			
A1	ADMINISTRATION	B19	CHAPEL
B1	PRISON DOME	B20	VISITING DUPLEX 1,2
B2	"A" RANGE	B21	ARTS & CRAFTS
B3	"M" RANGE	C5	INDUSTRIAL SHOP - CORCAN
B5	"B" RANGE	C12	POWER HOUSE
B6	CULTURAL CENTRE	C16	METAL & TAILOR SHOP
B8	MULTIPURPOSE BLDG	C17	STORES
B12	KITCHEN	C18	RECREATION HALL
B15	S.I.S.	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		500
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 (WxHxDP)	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	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/ 5 FIBRE OPTIC CABLES 1 #14 AWG	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	1295
JB-8	1219x200x150	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 1 GREY DATA CABLE 1 #14 AWG	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	533
JB-D	914x200x127	500 CONDUIT w/ 3 FIBRE OPTIC CABLES	500 CONDUIT w/ 1 FIBRE OPTIC CABLE 4 #24 AWG GREY 2 #24 AWG YELLOW 1 #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	380 CONDUIT w/ 3 FIBRE OPTIC CABLES	NOT VERIFIED
JB-H	914x914x300	250 CONDUIT w/ 1 FIBRE OPTIC CABLE	NOT VERIFIED	NOT VERIFIED

NEW JUNCTION BOX SCHEDULE				
BOX TAG	SIZE (WxHxDP)	INCOMING CONDUIT (SIZE & CONTENTS)	OUTGOING CONDUIT (SIZE & CONTENTS)	ELEV. (A.F.F.)
JB-N1	914x200x127	1020 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	610
JB-N2	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	1628
JB-N3	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	1067
JB-N4	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=1829
JB-N5	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=762
JB-N6	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=914
JB-N7	914x200x127	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	500 CONDUIT w/ 2 FIBRE OPTIC CABLES	=356

- CONSTRUCTION NOTES**
- INSTALL CONDUIT IN TUNNELS, MECHANICAL CHASES, AND BUILDINGS AS SHOWN.
 - PULL THREE CONTINUOUS SECTIONS OF FIBRE OPTIC CABLE TO CONNECT BETWEEN:
 - POWER HOUSE DDC PANEL AND WORKS BUILDING DDC PANEL
 - WORKS BUILDING DDC PANEL AND UNIT 6 DDC PANEL
 - UNIT 6 DDC PANEL AND POWERHOUSE DDC PANEL
 - INTEGRATE AND CONFIGURE THE WORKS BUILDING DDC SYSTEM AND UNIT 6 DDC SYSTEM INTO THE CENTRAL DDC SYSTEM
 - PROVIDE MEANS TO MANUALLY SWITCH NETWORK CONNECTIONS BETWEEN EACH OF THE TWO FIBRE OPTIC CABLES PULLED TO EACH LOCATION SO THAT EACH BUILDING HAS 2 POSSIBLE CONNECTIONS TO THE POWER HOUSE DDC PANEL
 - APPROXIMATE DISTANCE FROM DDC PANEL IN MECHANICAL ROOM IN UNIT 6 TO START OF CONDUIT IN ELECTRICAL ROOM IS 20 METERS
 - APPROXIMATE DISTANCE THRU EXISTING CONDUITS FROM ELECTRICAL ROOM IN UNIT 6 TO BLOCK WALL IN TUNNEL IS 30 METERS
 - APPROXIMATE TOTAL DISTANCE THRU NEW CONDUITS FROM UNIT 6 BLOCK WALL IN TUNNEL TO EXISTING JB-D & EXISTING CONDUITS FROM JB-D TO POWER HOUSE IS 330 METERS.



SMI
OVERALL SITE - TUNNEL LAYOUT
1:500



Revision	Description	Date
5		
4		
3		
2		
1		
0	ISSUED FOR TENDER	2017/07/21

PUBLIC WORKS & GOVERNMENT SERVICES
100-167 LOMBARD AVENUE
WINNIPEG, MB R3B 0T6

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

Designed by: ZHA
Drawn by: RTD
Approved by: KAS
Project Manager: TIM LODGE

UNIT 6 TO POWER HOUSE SITE TUNNELS - NEW

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.043722.003	E106	0