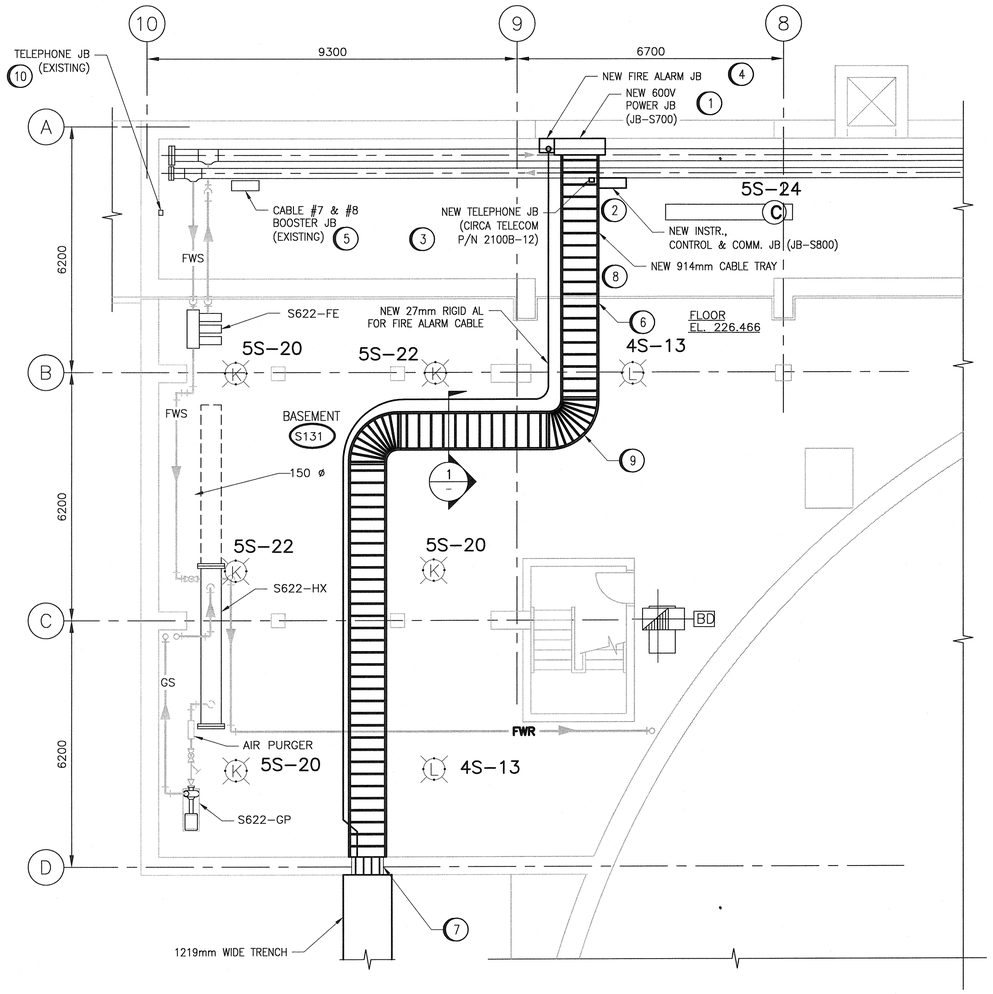
A1 SIZE – 594mm x 841mm

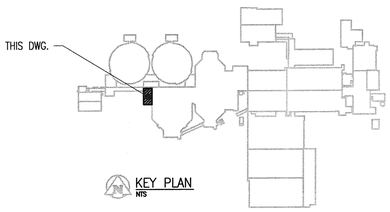


SECONDARY CLARIFIER NO. 3 ELECTRICAL SITE PLAN EL 226.466

SCALE: 1 : 75

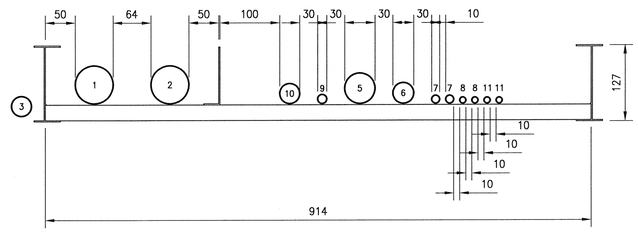
1:5 — 50 0 100 200

1:75 — 750 0 1500 3000



SPECIFIC NOTES

1. INSTALL STRUT TO MOUNT THE 600V POWER JB. EXISTING 600V CABLES SHALL BE CUT AND ROUTED TO THE NEW 600V POWER JB INCOMING SECTION. PROVIDE SUFFICIENT BENDING RADIUS AND CLEARANCE AROUND EXISTING MECHANICAL PIPING. REFER TO DRAWING 1-0102-ECBD-S001 FOR JUNCTION BOX JB-S700 DETAILS.
2. INSTALL NEW STRUT ACROSS EXISTING COLUMN STRUT TO MOUNT NEW JB. EXISTING INSTRUMENTATION, COMMUNICATION AND CONTROL CABLES SHALL BE ROUTED BELOW THE TRAY TO THE NEW JB (AWAY FROM THE EXISTING 600V POWER CABLES). REFER TO DRAWING 1-0102-ECBD-S002 FOR JUNCTION BOX JB-S800 DETAILS.
3. SUPPLY AND INSTALL NEW TELEPHONE JB (CIRCA TELECOM P/N 2100B-12) TO REPLACE EXISTING.
4. SUPPLY AND INSTALL NEW FIRE ALARM JB AND RE-ROUTE EXISTING UV BUILDING FIRE ALARM CABLE TO THE NEW JB.
5. ROUTE NEW CAT 5E (NEW CABLE #7) FROM CABLE #7 & #8 BOOSTER JB TO THE NEW CABLE TRAY.
6. CORE DRILLED HOLES THROUGH INTERIOR WALL FOR CABLES (SIZED TO SUIT). OPENINGS SHALL BE SLEEVED WITH RIGID PVC WITH LESS THAN 2" OVERHANG.
7. CONTRACTOR SHALL CORE DRILL HOLES BELOW GRADE. SUPPLY AND INSTALL ROXTEC RS SEALS COMPLETE WITH ACID PROOF STAINLESS STEEL FITTINGS (SIZED TO SUIT CABLES).
8. HEIGHT OF THE NEW CABLE TRAY SHALL BE INSTALLED 305mm BELOW THE CEILING IN THE GALLERY SECTION. (ELEV. 230.283)
9. THE NEW CABLE TRAY SHALL BE INSTALLED INLINE WITH THE EXISTING BAY LIGHTING IN THE BASEMENT SECTION
10. EXISTING TELEPHONE JB SHALL BE REMOVED ONCE NEW TELEPHONE JB IS IN SERVICE.



1 NEW CABLE TRAY SECTION (SEE NOTE 1)

SCALE: 1 : 5

GENERAL NOTES

1. REFER TO DRAWING NO. 1-0102-ECRT-S501 FOR CABLE SCHEDULE.
2. CONTRACTOR TO IDENTIFY ANY WORK DESCRIBED BY THIS DRAWING WHICH MAY BE COMPLETED WITHOUT THE NEED FOR ANY EQUIPMENT SHUTDOWN AND/OR PROCESS INTERRUPTION. CARRY OUT SUCH WORK AS WELL AS PREPARATION ACTIVITIES FOR THE EXECUTION OF THE BALANCE OF THE WORK.
3. ONCE WORK IN NOTE 2 HAS BEEN COMPLETED, THE CONTRACTOR SHALL THEN COORDINATE THE SHUTDOWN OF THE UV PROCESS WITH THE CONTRACT ADMINISTRATOR PRIOR TO THE INSTALLATION OF THE BALANCE OF THE WORK DESCRIBED HEREIN. (INCLUDING SPECIFIC SCHEDULE OF THE WORK TO AVOID PROCESS INTERRUPTION TO THE GREATEST EXTENDING POSSIBLE)
4. EXISTING WIRING SHALL BE DISCONNECTED, REMOVED AND/OR RE-TERMINATED TO THE NEW EQUIPMENT AS OUTLINED ON THESE DRAWINGS.
5. FIELD TESTING AND COMMISSIONING SHALL BE PERFORMED BY CONTRACTOR WITH TEST REPORT REVIEWED BY ENGINEER PRIOR TO RE-ENERGIZING OF ALL NEW TEMPORARY WIRING.

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER	06/2014	DB	ER

CH2MHILL. SNC-LAVALIN KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: K. OOI	CHECKED BY: E. RYCZKOWSKI
DRAWN BY: MJ. PERSSON	APPROVED BY: E. RYCZKOWSKI
SCALE: AS SHOWN	ISSUED FOR CONSTRUCTION BY:
DATE: 2014/06/27	DATE:
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.E. BECKER
Member
23646
REGISTERED PROFESSIONAL ENGINEER
SIGNED 2014
Rev 00

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
CABLE TRAY LAYOUT
SECONDARY CLARIFIER
TEMPORARY UV 600V FEEDERS

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-ECTR-S001	001	00	A1

LAST SAVE: 2014/06/26 – 11:44am
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PLOT DATE: Jun 26, 2014 – 11:44am

FILE NAME: 1-0102-ECTR-S001.dwg