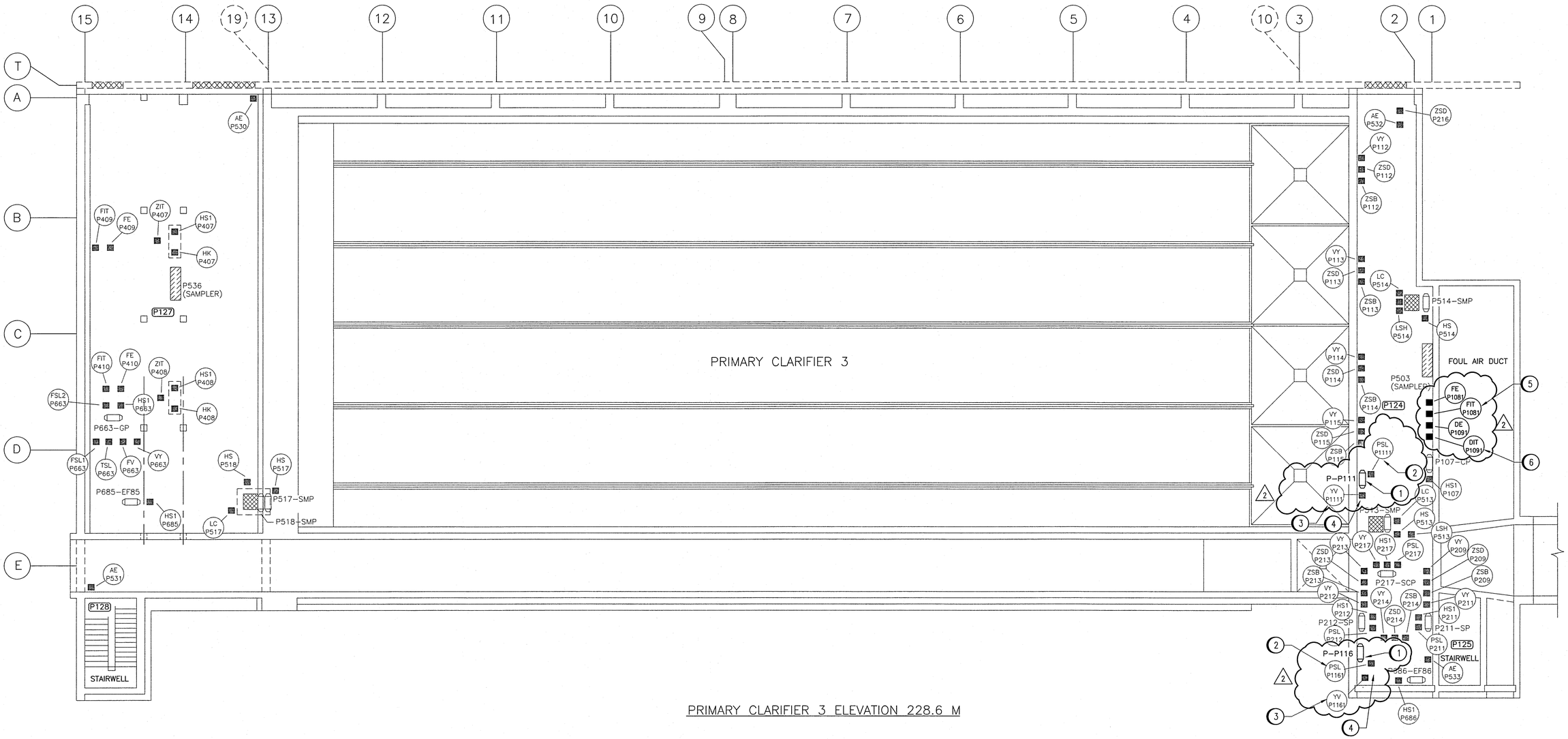


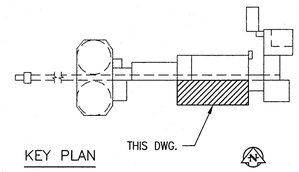
PRIMARY CLARIFIER 3 ELEVATION 228.6 M

GENERAL NOTES:

1. ALL CLOUDED WORK ON THIS DRAWING IS NEW, AND IS TO BE BY THE CONTRACTOR.
2. LOCATIONS OF EXISTING ELECTRICAL AND MECHANICAL EQUIPMENT INDICATED ARE APPROXIMATE. CONFIRM ALL LOCATIONS ON SITE.
3. PLAN AND SCHEDULE WORK TO MINIMIZE OUTAGES. SCHEDULE ALL SHUTDOWNS WITH THE CONTRACT ADMINISTRATOR AND PLANT OPERATIONS IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
4. ALL POWER, CONTROL AND INSTRUMENTATION CABLE SHALL BE ROUTED ALONG WALLS AND CEILINGS. DO NOT INSTALL CABLING/CONDUIT ON THE FLOOR. ENSURE THE INSTALLATION DOES NOT IMPEDE TRAVEL WAYS OR OPERATIONS IN ANY WAY.
5. THERE ARE STRUCTURAL EXPANSION JOINTS IN THE FACILITY (NOT SHOWN ON ELECTRICAL). PROVIDE EXPANSION COUPLINGS AND FITTINGS FOR ALL CONDUIT CROSSING THE JOINTS. DO NOT LOCATE RIGID DEVICES ACROSS OR ON TOP OF THE EXPANSION JOINTS.
6. EQUIPMENT WITH NO CIRCUIT NUMBERS SHOWN ARE TO BE FED FROM THE 600 VAC MCCs. REFER TO SINGLE LINE DRAWINGS 1-0102-ESLD-P001, 1-0102-ESLD-P002 FOR DETAILS.
7. ALL WIRING SHALL BE RUN IN CONDUIT. CONDUIT SHALL BE RIGID, THREADED ALUMINUM CONDUIT, EXCEPT FOR CONDUIT RUN WITHIN THE ELECTRICAL ROOM. THE ELECTRICAL ROOM IS NON-HAZARDOUS AND PRESSURIZED.
8. ALL ELECTRICAL EQUIPMENT/DEVICES AND ASSOCIATED WIRING AND CONDUIT INSIDE AN AREA SHALL BE SUITABLE FOR THE CLASSIFICATION (HAZARDOUS/WET/CORROSIVE) OF THE AREA. THE PRIMARY CLARIFIER GALLERY 4 (EL. 228.6) IS RATED AS NON-HAZARDOUS WET / CORROSIVE. THE GROUND FLOOR ABOVE (CLARIFIER TANK AREA) AT ELEVATION 234.391 IS A CLASS I ZONE 2 HAZARDOUS AND WET CORROSIVE AREA.

SPECIFIC NOTES:

1. EXISTING PUMP BEING REPLACED. PROVIDE VFD CABLING RUN IN CONDUIT FROM VFDs LOCATED IN ELECTRICAL ROOM B (ROOM P-113) TO MOTORS. REFER TO DRAWING 1-0102-EGAD-P002.
2. REUSE EXISTING PRESSURE SWITCH.
3. REUSE EXISTING SOLENOID VALVE, IF WIRE LEADS ARE SUFFICIENT LENGTH. IF NOT, REPLACE SOLENOID VALVE IN KIND.
4. PROVIDE NEW CONTROL WIRING FROM VFD TO NEW JUNCTION BOX LOCATED NEXT TO INSTRUMENTATION.
5. REPLACE EXISTING FLOW METER AND FLOW TUBE.
6. REPLACE EXISTING NUCLEAR DENSITY METER WITH MICROWAVE DENSITY METER. COORDINATE INSTALLATION TIMING WITH REMOVAL OF EXISTING DENSITY METER TO BE PERFORMED BY CITY PERSONAL.



KEY PLAN
N.T.S.

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

SNC·LAVALIN
SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, Manitoba
Canada R3P 0X7

DESIGNED: V. ELIMBAN	APPROVED: E. RYCZKOWSKI
CHECKED: T. CHURCH	DATE: 2016/03/15
CONSULTANT No. 474248	ISSUED FOR CONSTRUCTION BY: J. SHUMKA DATE: 2017/04/05

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
2	ISSUED FOR CONSTRUCTION – 976-2016	2017/04/05	VVE
1	AS CONSTRUCTED	05/91	B.T.
0	ISSUED FOR TENDER	08/89	B.T.
–	ISSUED FOR APPROVAL	06/89	B.T.

MacLAREN ENGINEERS INC.
WARDROP ENGINEERING INC.
ENGINEERING CONSULTANTS

DESIGNED BY W.L.	CHECKED BY
DRAWN BY S.R.	APPROVED BY
HOR. SCALE: / VERTICAL: 1:100	RELEASED FOR CONSTRUCTION:
DATE JANUARY 1989	DATE

PROVINCE OF MANITOBA
T. M. CHURCH
Member
32682
REGISTERED PROFESSIONAL ENGINEER
Apr. 4, 2017
Rev. 2 2017/04/05

CONSULTANT DRAWING NO.
870012-01-16-E113

THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
WATERWORKS, WASTE & DISPOSAL DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
PRIMARY CLARIFIER EXPANSION – ELECTRICAL
PRIMARY CLARIFIER 3
BASEMENT FLOOR PLAN

CITY DRAWING NUMBER
SHEET OF
SEP-287