

NOTES: DEMOLITION

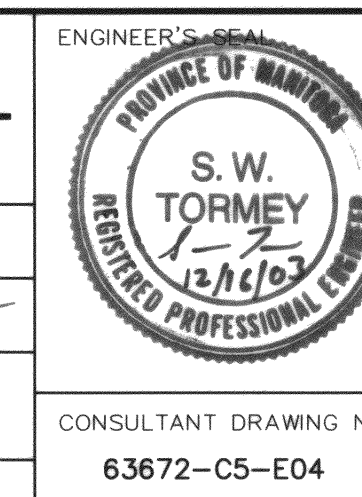
- D1. COMMENCE WITH D2 & D3 IN CONJUNCTION W/ DEMOLITION WORK NOTED ON DWG. D01, D02 & D03.
- D2. DISCONNECT EXISTING AIR HANDLING UNIT LOCATED ON THE NORTH MEZZANINE ELEVATION 232.450 AND MAKE READY FOR REMOVAL.
- D3. DISCONNECT EXISTING AIR HANDLING UNIT CABLE AT EXISTING MOTOR CONTROL CENTRE. CABLE FOR AIR HANDLING UNIT TO EXISTING MOTOR CONTROL CENTRE TO BE REMOVED. AIR HANDLING UNIT STARTER IN NON-ESSENTIAL MOTOR CONTROL CENTRE (SECTION - 2C) TO BE DECOMMISSIONED AND LABELED AS "SPARE".
- D4. REMOVE EXISTING FLUORESCENT WALL MOUNTED LUMINAIRE LOCATED ON WEST MEZZ (2 UNITS), NORTH MEZZ (1 UNIT) AND EAST MEZZ (2 UNITS) TO ALLOW INSTALLATION OF NEW UV REACTOR CONTROL CABINETS. REMOVE OUTLET BOXES, CONDUIT AND WIRING TO ALLOW CONTROL CABINETS TO BE INSTALLED FLUSH TO WALL.
- D5. REMOVE EXISTING DUPLEX RECEPTACLES LOCATED ON WEST MEZZ. (1 RECEPTACLE) AND EAST MEZZ. (1 RECEPTACLE) ABOVE MEZZ. EL. 232.450. REMOVE WIRE, JUNCTION BOXES AND CONDUIT TO ALLOW CONTROL CABINETS TO BE INSTALLED FLUSH TO WALL. REINSTALL EXISTING RECEPTACLES ON WEST AND EAST MEZZ. SO AS NOT TO INTERFERE WITH UV CONTROL PANELS: WIRE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT.
- D6. EXISTING CABLE, CONDUIT AND WIRING TO BE RELOCATED. TECK CABLE (3) SHALL BE REMOVED AND REINSTALL ALONG EAST WALL TO LINE "B" AND WEST ALONG BEAM TO COLUMN "9-B".

NOTES: NEW INSTALLATION

- N1. NEW UNIT SUB-DISTRIBUTION, REFER TO DRAWINGS E-1 AND E-2 FOR DETAIL.
- N2. U.V. CONTROL PANELS CPP-11 AND CPP-12, LOCATED ON MEZZANINE ELEVATION 230.800, FOR CONTROL OF U.V. REACTORS UVR-1100 AND UVR-1200. PROVIDE OPENINGS IN MEZZANINE FLOOR UNDER CONTROL PANEL SECTION (LEFT SIDE) OF CABINET TO ALLOW CABLES TO ENTER CABINET FROM CABLE TRAY BELOW. PROVIDE OPENING ON ROOF OF THIS CABINET CELL TO ALLOW FOR POWER CABLES TO ENTER CONTROL PANELS FROM ABOVE.
- N3. U.V. CONTROL PANELS CPP-21 AND CPP-22, LOCATED ON MEZZANINE ELEVATION 230.800, FOR CONTROL OF U.V. REACTORS UVR-2100 AND UVR-2200. PROVIDE OPENINGS IN MEZZANINE FLOOR UNDER CONTROL PANEL SECTION (LEFT SIDE) OF CABINET TO ALLOW CABLES TO ENTER CABINET FROM CABLE TRAY BELOW. PROVIDE OPENING ON ROOF OF THIS CABINET CELL TO ALLOW FOR POWER CABLES TO ENTER CONTROL PANELS FROM ABOVE.
- N4. U.V. CONTROL PANELS CPP-23 AND CPP-24, LOCATED ON MEZZANINE ELEVATION 230.800, FOR CONTROL OF U.V. REACTORS UVR-2300 AND UVR-2400. PROVIDE OPENINGS IN MEZZANINE FLOOR UNDER CONTROL PANEL SECTION (LEFT SIDE) OF CABINET TO ALLOW CABLES TO ENTER CABINET FROM CABLE TRAY BELOW. PROVIDE OPENING ON ROOF OF THIS CABINET CELL TO ALLOW FOR POWER CABLES TO ENTER CONTROL PANELS FROM ABOVE.
- N5. NEW AIR HANDLING UNIT AHU-1, MOUNT ON ROOF OF PUMP STATION (REFER TO DRAWINGS M02 AND M08). AHU-1 POWER FEEDER CABLE SHALL ENTER AT LOCATION INDICATED VIA MANUFACTURER'S SUPPLIED DISCONNECT SWITCH.
- N6. NEW AIR HANDLING UNIT AHU-2, MOUNT ON ROOF OF PUMP STATION (REFER TO DRAWINGS M02 AND M08). AHU-2 POWER FEEDER CABLE SHALL ENTER AT LOCATION INDICATED VIA MANUFACTURER'S SUPPLIED DISCONNECT SWITCH.
- N7. NEW CONDENSING UNIT CU-1 MOUNTED ON STRUCTURE ABOVE AHU-1 ON ROOF OF PUMP STATION (REFER TO DRAWINGS M02 AND M08). CU-1 POWER FEEDER CABLE SHALL ENTER AT LOCATION INDICATED VIA MANUFACTURER'S SUPPLIED DISCONNECT SWITCH.
- N8. NEW CONDENSING UNIT CU-2 MOUNTED ON STRUCTURE ABOVE AHU-2 ON ROOF OF PUMP STATION (REFER TO DRAWINGS M02 AND M08). CU-2 POWER FEEDER CABLE SHALL ENTER AT LOCATION INDICATED VIA MANUFACTURER'S SUPPLIED DISCONNECT SWITCH.
- N10. PROVIDE OPENING WITHIN AIR HANDLING UNIT CURBING. OPENING TO BE SEALED AND MADE WEATHER-PROOF.
- N11. FEEDER CABLES FOR CU-1 AND CU-2 SHALL BE SECURED TO AHU UNITS AND ENTER CU UNITS AT ELECTRICAL CONNECTION LOCATION.
- N12. SEAL CABLE ENTRY FOR AHU UNITS AND CU UNITS. PROVIDE GROMMETS IN METAL ENCLOSURE AND PROVIDE PROPER SEALANT TO MAKE WEATHER PROOF.
- N13. REFER TO "RACEWAY SCHEDULE" IN SPECIFICATION FOR TYPE AND CABLES TO BE INSTALLED IN EACH RACEWAY.
- N14. REFER TO CABLE SCHEDULE "IN SPECIFICATION FOR CABLE SIZE TYPE, ORIENTATION, DESTINATION AND RACEWAYS USED FOR CABLE INSTALLATION.
- N15. PROVIDE TWO NEW WALL MOUNTED LUMINAIRES TO BE INSTALLED ON BEAM ABOVE AND IN FRONT OF EACH PAIR OF UV CONTROL PANELS (TOTAL OF 6 LUMINAIRES TO BE INSTALLED). CONNECT NEW LUMINAIRES TO POWER SUPPLIES FOR EXISTING WALL MOUNT FLUORESCENT LUMINAIRES REMOVED AS PER NOTE D4. NEW LUMINAIRES SHALL BE A KEENE MODEL NUMBER LPSR070MAL120AL COMPLETE WITH 70 WATT METAL-HALIDE LAMP, ACRYLIC LENS AND 120V BALLAST. UNIT TO HAVE A TYPE II LIGHT DISTRIBUTION.
- N16. PROVIDE 75MM DIAMETER CORED OPENING IN MEZZ CONCRETE FLOOR FOR CABLES TO EXIT UV REACTOR CONTROL PANEL. CONFIRM EXACT LOCATION WITH CONTROL PANEL REQUIREMENT AND CONFIRM WITH STRUCTURAL ENGINEER TO ENSURE REBAR IN CONCRETE FLOOR IS NOT DAMAGED.
- N17. PROVIDE 75mm SLEEVES IN MEZZ. FLOOR WHERE EXISTING OPENINGS UNDER UV CONTROL PANEL ARE TO BE CLOSED IN. COORDINATE SLEEVE LOCATIONS WITH CONTROL PANEL SHOP DRAWING AND CONTRACTOR RESPONSIBLE FOR ENCLOSING EXISTING OPENINGS.



B.M. ELEV.		EARTH TECH	CH2MHILL
DESIGNED BY	GSN	CHECKED BY	SWT
DRAWN BY	DS, DC	APPROVED BY	D.T.
HOR. SCALE:	AS SHOWN	RELEASED FOR CONSTRUCTION BY:	
VERTICAL SCALE:			
0 ISSUED FOR TENDER	03/12/12	DC	
NO. REVISIONS	DATE	BY	DATE
			2003/10/22



THE CITY OF WINNIPEG
Winnipeg WATER AND WASTE DEPARTMENT

DEACON ULTRAVIOLET (UV) LIGHT DISINFECTATION PROJECT

ELECTRICAL - HVAC UPGRADE PLAN ABOVE ELEVATION 230.800m

CITY FILE NUMBER: SHEET 4 OF 7
CITY DRAWING NUMBER: D-8433

CONSULTANT DRAWING NO. 63672-C5-E04