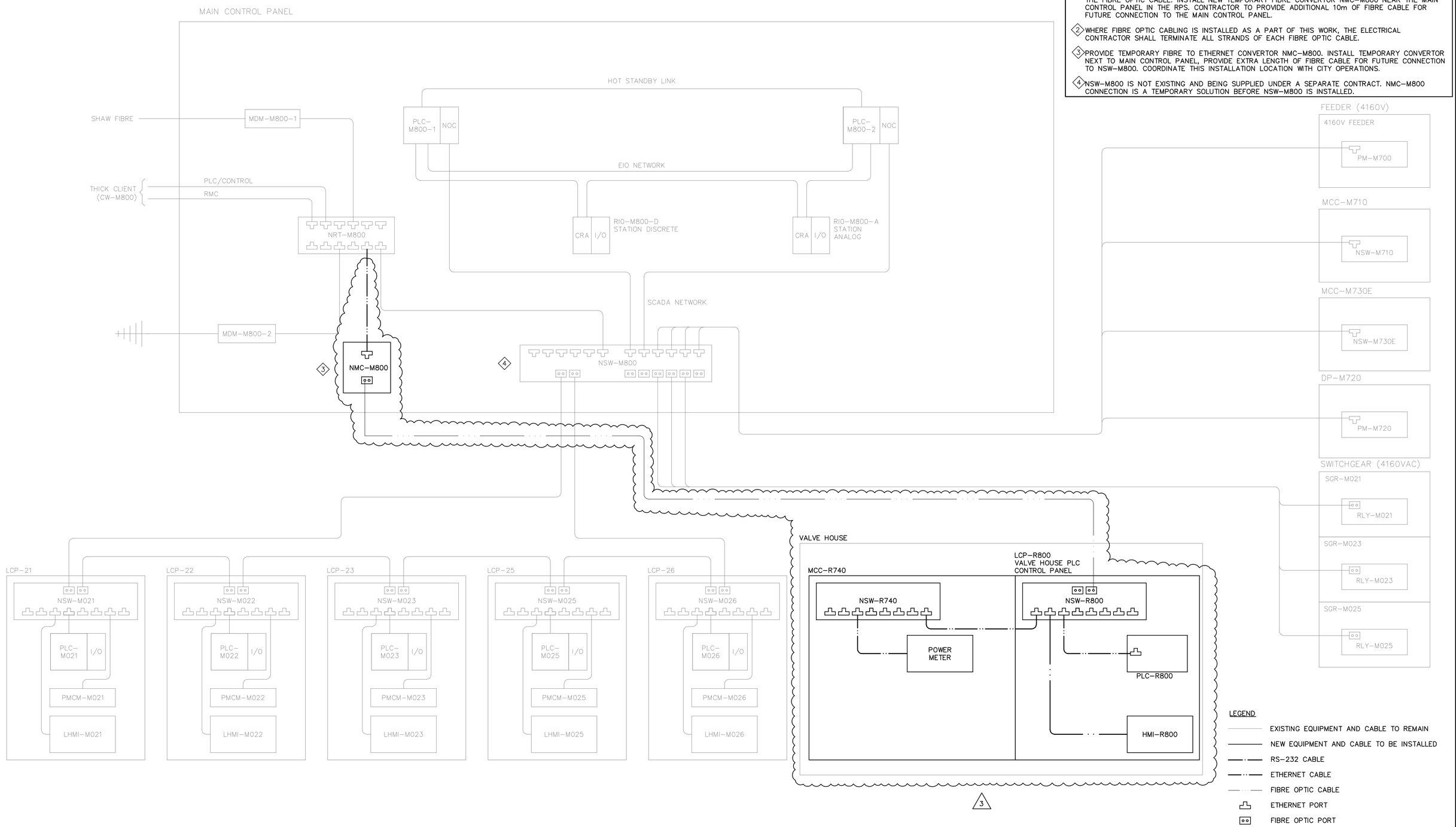
CONSTRUCTION NOTES:

1. EXISTING CONDUIT BETWEEN THE VALVE HOUSE AND THE REGIONAL PUMPING STATION TO BE USED FOR A NEW 12 STRAND FIBRE OPTIC CABLES. CONTRACTOR RESPONSIBLE FOR PULLING, CONNECTING AND TERMINATING FIBRE OPTIC CABLE FROM NEW TEMPORARY NMC–M800 IN THE RPS, TO THE NEW LCP–800 PLC CONTROL PANEL. ELECTRICAL CONTRACTOR SHALL TERMINATE ALL STRANDS WITHIN THE FIBRE OPTIC CABLE. INSTALL NEW TEMPORARY FIBRE CONVERTOR NMC–M800 NEAR THE MAIN CONTROL PANEL IN THE RPS. CONTRACTOR TO PROVIDE ADDITIONAL 10m OF FIBRE CABLE FOR FUTURE CONNECTION TO THE MAIN CONTROL PANEL.
2. WHERE FIBRE OPTIC CABLING IS INSTALLED AS A PART OF THIS WORK, THE ELECTRICAL CONTRACTOR SHALL TERMINATE ALL STRANDS OF EACH FIBRE OPTIC CABLE.
3. PROVIDE TEMPORARY FIBRE TO ETHERNET CONVERTOR NMC–M800. INSTALL TEMPORARY CONVERTOR NEXT TO MAIN CONTROL PANEL, PROVIDE EXTRA LENGTH OF FIBRE CABLE FOR FUTURE CONNECTION TO NSW–M800. COORDINATE THIS INSTALLATION LOCATION WITH CITY OPERATIONS.
4. NSW–M800 IS NOT EXISTING AND BEING SUPPLIED UNDER A SEPARATE CONTRACT. NMC–M800 CONNECTION IS A TEMPORARY SOLUTION BEFORE NSW–M800 IS INSTALLED.



DRAWING NUMBER	REFERENCE DRAWINGS
1-0630P-E0009-001	FLOOR PLAN - PUMP LEVEL
1-0630P-E0007-001	FLOOR PLAN - ELECTRICAL ROOM
1-0630P-A0068-001	LOCAL CONTROL PANEL - LCP-26 - PANEL LAYOUT
1-0630P-A0052-001	LOCAL CONTROL PANEL - LCP-25 - PANEL LAYOUT
1-0630P-A0036-001	LOCAL CONTROL PANEL - LCP-23 - PANEL LAYOUT
1-0630P-A0024-001	LOCAL CONTROL PANEL - LCP-22 - PANEL LAYOUT
1-0630P-A0008-001	LOCAL CONTROL PANEL - LCP-21 - PANEL LAYOUT
1-0630P-A0002-001	MAIN CONTROL PANEL (MCP) - PANEL LAYOUT

B.M.
ELEV.

CONSTRUCTION COMPLETION DATE: YYYY MM DD

NO.	REVISIONS	DATE	BY
02	ISSUED FOR TENDER 195-2024	2024-02-29	C.L.
01	ISSUED FOR CONSTRUCTION	2021-05-10	B.L.M.
00	ISSUED FOR TENDER	2020-07-15	B.L.M.

DILLON CONSULTING

DESIGNED BY	CAL	CHECKED BY	CL
DRAWN BY	SK	APPROVED BY	BLM
SCALE: HORIZONTAL / VERTICAL	NTS	RELEASED FOR CONSTRUCTION	
DATE	---- -- --	DATE	

PLOT DATE: 2024 02 29

ENGINEER'S SEAL

PROVINCE OF MANITOBA C.A. LANGE Member 37791 2024/02/29 REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
175368

Winnipeg

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

REGIONAL WATER DISTRIBUTION SYSTEM
SCADA SYSTEM UPGRADE
PLC REPLACEMENT AND POWER RELIABILITY UPGRADES

MACLEAN REGIONAL PUMPING STATION

NETWORK ARCHITECTURE DIAGRAM

SHEET 9 OF 33

CITY DRAWING NUMBER
1-0630P-A0079-001

FILE PATH: C:\pw working directory\projects 2021\dillon_40kss\d0112514\
FILE NAME: 33. Maclean-Network Architecture Diagram.dwg