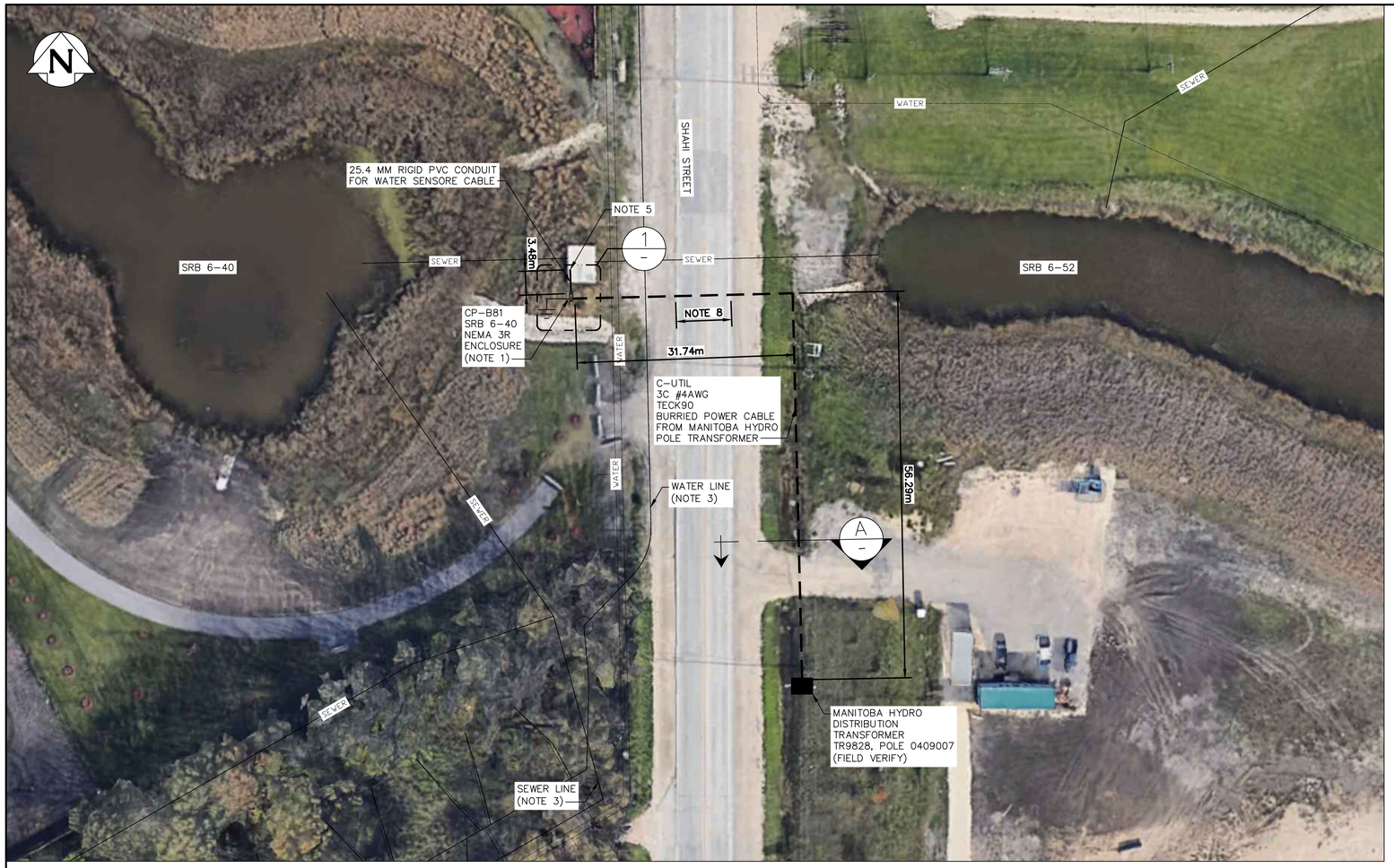
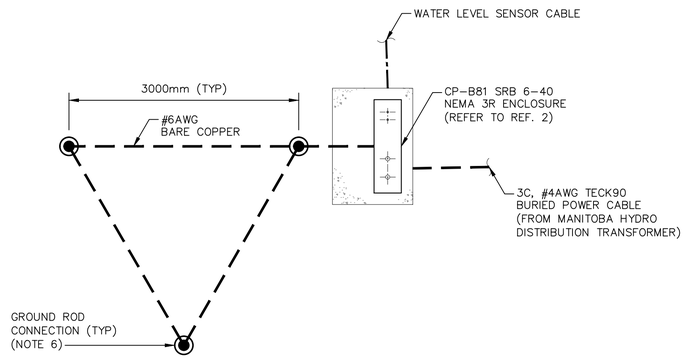


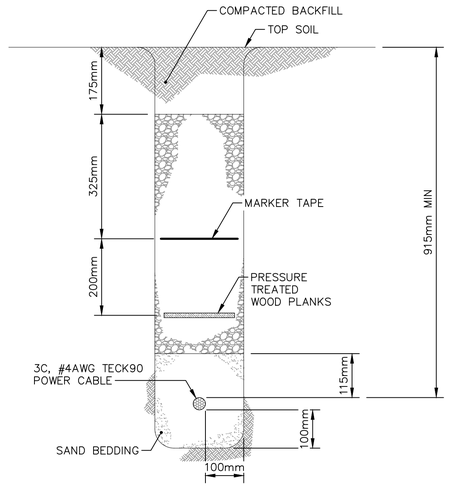
SITE PLAN – SITE 6

SCALE: 1:400m



1 – GROUNDING DETAIL

SCALE: 1:40m



A – CABLE TRENCH SECTION

SCALE: 1:8m

GENERAL NOTES:

1. STORMWATER RETENTION BASIN MONITORING EQUIPMENT SHALL BE IN ELECTRICAL ENCLOSURE AND FLOOR MOUNTED ON A CONCRETE PAD. PROPOSED PAD LOCATION SHOWN IS APPROXIMATE AND TO BE CONFIRMED.
2. REFER TO STRUCTURAL DRAWING FOR PAD FOUNDATION DESIGN AND DETAILS.
3. WATER AND SEWER PIPE NETWORK PLAN (CAD FILE) AS PER CITY OF WINNIPEG DATED 2022/10/21.
4. ALL DIMENSIONS IN METERS UNLESS NOTED.
5. THE WATER LEVEL MONITORING SENSOR IS INSIDE THE GATE CHAMBER.
6. THE CABLE MUST BE NEW AND WITHOUT ANY SPLICE FROM MANITOBA HYDRO TRANSFORMER TO THE SRB PANEL.
7. THE LOCATION OF THE GROUNDING GRID IS TO BE DETERMINED ON THE FIELD.
8. PART OF THE UNDERGROUND CABLE TO BE INSTALLED UNDER THE ROAD SHOULD BE INSTALLED USING DIRECTION BORE INSTEAD OF OPEN TRENCH. THE CABLE SHALL BE INSTALLED 915mm BELOW GRADE.
9. THE SENSOR CABLE IS TO BE INSTALLED IN 25.4mm RIGID PVC CONDUIT AND PLACED 915mm BELOW GRADE.
10. CONTRACTOR IS TO REPAIR THE PATHWAYS TO THE CONDITION FOUND WHEN THE WORK IS COMPLETE IF THE CONTRACTOR DISTURBS THE PATHWAY.
11. THE CONTRACTOR IS TO EXCAVATE THE AREA WHERE THE POWER CABLE FOR THE PANEL IS TO BE INSTALLED USING OPEN TRENCH AND DIRECTION BORE (FOR PORTION ACROSS THE ROAD) AND INSTALL THE POWER CABLE AS INDICATED IN THE CABLE TRENCH DETAIL. THE CONTRACTOR IS ALSO RESPONSIBLE FOR INSTALLING PORTION OF THE POWER CABLE ATTACHED TO MH POLE. AFTER THE POWER CABLE HAS BEEN INSTALLED, THE CONTRACTOR IS TO BACK FILLED THE TRENCH AND REPAIR THE AREA OF EXCAVATION TO THE CONDITION FOUND.
12. THE CONTRACTOR IS TO EXCAVATE AND INSTALL THE RIGID PVC CONDUIT FOR THE WATER LEVEL SENSOR USING OPEN TRENCH. AFTER THE CONDUIT HAS BEEN INSTALLED, THE CONTRACTOR IS TO BACK FILL THE OPEN TRENCH AND REPAIR THE AREA OF EXCAVATION TO THE CONDITION FOUND.
13. THE CONTRACTOR IS TO INSTALL THE SRB PANEL AND ITS PAD FOUNDATION.
14. MANITOBA HYDRO IS TO CONNECT THE POWER CABLE FOR THE PANEL TO MH DISTRIBUTION TRANSFORMER.

LEGEND:

- GAS — GAS LINE
- WATER — WATER SERVICE PIPE
- SEWER — SEWER SERVICE PIPE
- BURIED POWER CABLE
- BURIED SENSOR CABLE
- MH TRANSFORMER
- CP-B81 SRB
- GROUND ROD

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10	–	–
9	–	–
8	–	–
7	–	–
6	–	–
5	–	–
4	–	–
3	–	–
2	1-0550B-E0004-001	ELECTRICAL – EQUIPMENT ARRANGEMENT AND DISTRIBUTION – OUTDOOR MONITORING ENCLOSURE – SITE 6
1	1-0550B-S0001-001	EXISTING CONCRETE PLAN AND SECTIONS

REFERENCE DRAWINGS

0.20 0.10 0 0.20 0.40 0.60 0.80
SCALE: 1:8m (24"x36")

1 0 1 2 3 4
SCALE: 1:40m (24"x36")

10 0 10 20 30 40
SCALE: 1:400m (24"x36")

B.M. ELEV.

NO.	REVISIONS	DATE (YY/MM/DD)	BY
0	ISSUED FOR CONSTRUCTION	2023/12/08	

KGS GROUP

DESIGNED BY	C. RABU	CHECKED BY	D. SUSANTO
DRAWN BY	R. GASPAR	APPROVED BY	D. SUSANTO
SCALE: HORIZONTAL	NTS	RELEASED FOR CONSTRUCTION	
SCALE: VERTICAL	NTS		
DATE	2022/08/18	DATE	

PLOT DATE: 2023 12 08

ENGINEER'S SEAL
PROVINCE OF MANITOBA
2023-12-11
D.R. SUSANTO
25738
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
22-0107-022-E07.01

Winnipeg

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

STORM RETENTION BASIN 6-40 (WAVERLEY WEST)
SRB 2023 WATER LEVEL MONITORING UPGRADES
ELECTRICAL

SITE PLAN AND DETAILS
OUTDOOR MONITORING ENCLOSURE

CITY DRAWING NUMBER: 1-0550B-E0003-001
SHEET 1 OF 1

FILE PATH: C:\Users\tnguyen\OneDrive - KGS Group\FMS\22-0107-022\
FILE NAME: 1-0550B-E0003-001.dwg