A REF.4 WETWELL – SECTION AT RISER–DEMOLITION

SCALE: 1:30

B REF.1 WETWELL – SECTION AT RISER–NEW

SCALE: 1:30

C REF.5 WETWELL – DEMOLITION & REPAIR SECTION

SCALE: 1:30

WETWELL REFINISHING NOTES:

1. CONTRACTOR SHALL CLEAN INTERIOR OF THE EXISTING WETWELL BY PRESSURE WASHING. PROVIDE PHOTOS OF CLEANED SPACE TO ENGINEER FOR REVIEW AND APPROVAL OF CLEANING. REFER TO PROJECT SPECIFICATION FOR DETAILS.
2. AFTER THE WETWELL IS CLEANED AND THERE IS NO STANDING WATER, ARRANGE FOR SITE VISIT WITH STRUCTURAL ENGINEER TO REVIEW EXISTING CONDITION OF THE WETWELL. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFINED SPACE ENTRY PROTOCOLS AND SHALL SUPPLY ALL THE NECESSARY EQUIPMENT SUCH AS SAFETY LIFTS, LIGHTING AND SUPPLIED AIR AS WELL AS STANDBY RESCUE TEAM FOR THE DURATION OF SITE VISIT (UP TO 8 HOURS).
3. AFTER THE WETWELL IS REVIEWED WITH ENGINEER, THE ENGINEER WILL PROVIDE INFORMATION ON THE EXTENT AND SCOPE OF REPAIRS. THE PRELIMINARY SCOPE OF WORK IS DEFINED HEREIN AND SHOULD ALLOW CONTRACTOR TO PROVIDE UNIT PRICE. THE UNIT PRICE FOR REPAIR OF WETWELL INTERIOR SURFACE SHALL INCLUDE:

3.1. SQUARE CUTTING THE PERIMETER OF THE AREAS TO BE REPAIRED TO A DEPTH OF 15–25mm.

3.2. SUBMITTING WRITTEN SURFACE DEMOLITION/PREPARATION PLAN TO ENGINEER FOR REVIEW AND APPROVAL.

3.3. DEMOLITION OF EXISTING INTERIOR SURFACE TO A DEPTH OF 15–25mm. ARRANGE SITE VISIT WITH ENGINEER TO REVIEW PREPARED SURFACE AS PER APPROVED DEMOLITION/PREPARATION PLAN. SUPPLY LIGHTING, SAFETY LIFTS, STANDBY RESCUE TEAM AND FOLLOW CONFINED SPACE ENTRY PROCEDURES.

3.4. CLEANING THE DEMOLISHED SURFACE AND CONDITIONING IT TO ACHIEVE AND MAINTAIN SATURATED SURFACE DRY CONDITION FOR THE MINIMUM OF 8 HOURS.

3.5. APPLYING THE MICROSILICA MORTAR SILATEC MSM BY A. W. COOK CEMENT PRODUCTS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS – THICKNESS UP TO 15mm.

3.6. WET CURING THE REPAIR MORTAR FOR THE DURATION OF 3 DAYS FOLLOWING THE MORTAR APPLICATION.

3.7. ARRANGING SITE VISIT WITH ENGINEER TO REVIEW REPAIRED SURFACE. SUPPLY LIGHTING, SAFETY LIFTS, STANDBY RESCUE TEAM AND FOLLOW CONFINED SPACE ENTRY PROCEDURES. DEMOLISH REPAIR MORTAR AND REAPPLY IT IN AREAS WHICH ARE DEEMED AS NOT PROPERLY REPAIRED BY THE ENGINEER.

KEY NOTES:

D DENOTES ELEMENTS WHICH ARE TO BE DEMOLISHED.

LEGEND:

(E) DENOTES EXISTING CONSTRUCTION.

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5	1–0162L–B0002–003	PLAN – DEMOLITION
4	1–0162L–B0002–002	PLANS – DEMOLITION
3	1–0162L–S0003–002	WETWELL DETAILS – RETROFIT
2	1–0162L–S0004–003	DETAILS – NEW
1	1–0162L–S0002–002	SUB–LEVEL 1 & 2 FLOOR FRAMING PLANS – NEW

REFERENCE DRAWINGS

600 0 600 1200 1800 2400

SCALE: 1:30

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.
ELEV.

NO.	REVISIONS	DATE (YY/MM/DD)	BY
0	ISSUED FOR CONSTRUCTION	2023 03 23	CMS

KGS GROUP

DESIGNED BY S. SUCHKOV
CHECKED BY CMS
DRAWN BY F. VALENCIA
APPROVED BY CMS
SCALE: HORIZONTAL AS SHOWN VERTICAL
RELEASED FOR CONSTRUCTION
DATE 2023 03 23
DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
S. SUCHKOV
Member 34686
REGISTERED PROFESSIONAL ENGINEER
2023-03-23

CONSULTANT DRAWING NUMBER
22–0107–004_S05

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

METCALFE LIFT PUMPING STATION
2022 UPGRADES
STRUCTURAL
WETWELL SECTION
DEMOLITION & RETROFIT

CITY DRAWING NUMBER 1-0162L-S0003-001

SHEET 91 OF 109

PLOT DATE: 2023 03 23
BID OPPORTUNITY: 864-2022
FILE PATH: \\k-file-4\p-data\Projects\2022\22-0107-004\Dwg\Struct\