

15-0107-002_M02.dwg
 FILE NAME:
 DATE: 2015-02-02
 SHEET TITLE: MECHANICAL SPECIFICATIONS
 PROJECT No: -
 ADDRESS: 421 OSBORNE STREET

MECHANICAL SPECIFICATIONS:

1.0 GENERAL:

1.1 SCOPE OF WORK:

1. INSTALL NEW BACKWATER VALVE.
2. REPLACE EXISTING GREASE INTERCEPTOR. **N.I.C.**
3. CONTRACTOR SHALL VISIT THE SITE AND GET A THROUGH UNDERSTANDING OF THE EXISTING CONDITIONS PRIOR TO BIDDING.
4. WINDOW OF SEWER SHUT DOWN IS LIMITED 8 HRS OR LESS. SHUT DOWN WINDOW SHALL START ON A SUNDAY AFTERNOON AND SHALL BE COMPLETED PRIOR TO OPENING OF THE CAFETERIA ON MONDAY MORNING. EXCAVATION WORK SHALL BE FULLY COMPLETED BEFORE THE START OF SEWER SHUTDOWN WINDOW.

1.2 DESCRIPTION WORK:

THE CONTRACTOR SHALL INCLUDE THE FURNISHING OF ALL LABOR, NEW MATERIALS, EQUIPMENT AND INSTALLATION OF EQUIPMENT AND SERVICES NECESSARY FOR AND INCIDENTAL TO THE COMPLETE INSTALLATION OF THE WORK SHOWN AND DESCRIBED ON THIS DRAWINGS AND TO THE SATISFACTION OF CONTRACT ADMINISTRATOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR REQUIRED WORK AND PAY ALL FEES.

WORK SHALL BE PERFORMED IN ACCORDANCE TO ALL APPLICABLE LOCAL CODES, STANDARDS AND REGULATIONS. CONTRACTOR TO COORDINATE ACCESS TO THE SITE WITH CONTRACT ADMINISTRATOR AND FOLLOW THEIR INSTRUCTIONS.

1.3 SUBMITTALS:

- SUBMIT SHOP DRAWINGS FOR APPROVAL FOR EQUIPMENT SPECIFIED.
- SUBMIT THREE (3) SETS OF O & M MANUALS.
- PROVIDE O & M TRAINING TO THE CONTRACT ADMINISTRATOR.
- AS-BUILTS OF INSTALLED SYSTEM. SUBMIT AS-BUILTS TO CONTRACT ADMINISTRATOR.

1.4 WORKMANSHIP:

WORKMANSHIP SHALL BE OF BEST QUALITY, EXECUTED BY WORKERS EXPERIENCED AND SKILLED IN RESPECTIVE DUTIES FOR WHICH THEY ARE EMPLOYED.

1.5 EXECUTION:

INSTALLATION OF EQUIPMENT:

TO MANITOBA BUILDING CODE, PLUMBING CODE, AND ALL LOCAL CODES, STANDARDS AND REGULATIONS.

INSTALL ALL EQUIPMENT SPECIFIED OR INDICATED ON DRAWINGS IN A MANNER THAT WILL ENSURE ITS SATISFACTORY OPERATION UPON COMPLETION AND ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

THE SAFE DELIVERY TO THE SITE OF ALL MATERIALS SHALL BE ENTIRELY THE CONTRACTOR'S RESPONSIBILITY. MATERIALS AND EQUIPMENT SHALL BE HANDLED AT ALL TIMES WITH CARE TO AVOID DAMAGE.

FOLLOW APPROVED MANUFACTURER'S RECOMMENDATIONS FOR SAFETY, EASY ACCESS FOR INSPECTION, AND MANUFACTURER'S REPAIRS.

PERMIT EQUIPMENT MAINTENANCE AND DISASSEMBLY WITH MINIMUM DISTURBANCE TO ADJACENT EQUIPMENT AND WITHOUT INTERFERENCE WITH BUILDING STRUCTURE OR OTHER EQUIPMENT.

BEFORE COMMENCING THE INSTALLATION, THE CONTRACTOR SHALL CONFIRM RECEIPT OF AN APPROVED COPY OF THE MANUFACTURER'S DRAWINGS AND INSTALLATION MANUAL FOR THE INSTALLATION THEREOF.

DISCREPANCIES OR IRREGULARITIES IN THE WORK OR DEFECTS OR DAMAGES TO THE EQUIPMENT, ATTRIBUTABLE TO FAULTY OR INCORRECT INSTALLATION, SHALL BE RECTIFIED BY THE CONTRACTOR AT HIS OWN EXPENSE.

MAINTAIN ADEQUATE ACCESS TO PROJECT SITE. COORDINATE WORK TO MINIMIZE INTERFERENCE OR DISRUPTION TO THE CITY'S OPERATION.

MAINTAIN WORK IN TIDY CONDITION, FREE FROM ACCUMULATION OF WASTE PRODUCTS AND DEBRIS.

PROTECT EQUIPMENT AND DUCTWORK FROM ACCUMULATION OF DUST ETC. SEAL ALL DUCT OPENINGS DURING DUST PRODUCING ACTIVITIES.

INSPECTION AND TESTING:

THE WORK SHALL BE AT ALL TIMES AVAILABLE FOR INSPECTION BY THE CONTRACT ADMINISTRATOR. ALL WORK SHALL BE ACCORDANCE WITH AND SHALL BE INSPECTED TO MEET THE REQUIREMENTS OF THIS SPECIFICATION.

ALL STARTUP AND TESTING SHALL BE PERFORMED IN THE PRESENCE OF CONTRACT ADMINISTRATOR. NOTICE OF THE DATE OF WHEN TESTS SHALL BE PERFORMED MUST BE RECEIVED BY CONTRACT ADMINISTRATOR.

WORK SHALL BE NOT INSULATED OR CONCEALED PRIOR TO BEING TESTED OR APPROVED.

OPERATE SYSTEM FOR A SUFFICIENT PERIOD OF TIME TO INSURE COMPLETE ACCEPTANCE; DEFECTS SHALL BE REMEDIATED AT CONTRACTOR'S EXPENSE.

2.0 PLUMBING PRODUCTS:

2.1 BACKWATER VALVE:

150ø (6"ø) BACKWATER VALVE C/W CLEANOUT, A.R.E.-COATED CAST IRON BODY, NO HUB INLET AND OUTLET, BRONZE FLAPPER TYPE BACKWATER VALVE WITH O-RING, COMPLETE WITH ADJUSTABLE FLOOR CLEANOUT WITH A.R.E.-COATED CAST IRON BODY, GAS AND WATERTIGHT BRONZE TAPERED THREAD PLUG AND ROUND SCORiated SECURED POLISHED NICKEL BRONZE COVER AND FRAME.

ACCEPTABLE PRODUCT: "WADE" MODE: 4216-R C/W ALL SPECIFIED OPTIONS.

2.2 CAST IRON PIPING AND FITTINGS:

- BURIED SANITARY TO: CAN/CSA-B70
- MECHANICAL JOINTS: NEOPRENE OR BUTYL RUBBER COMPRESSION GASKETS TO: CAN/CSA-B70

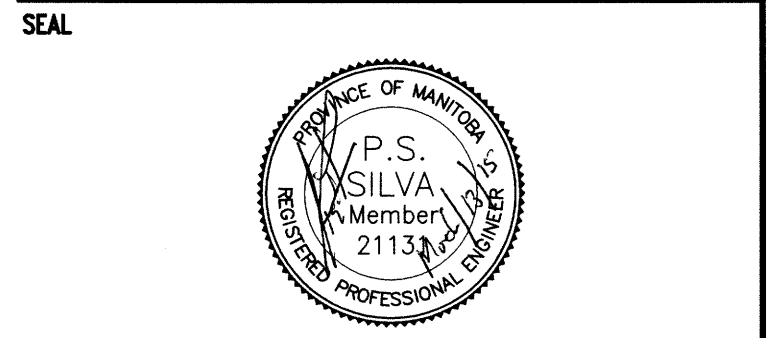
2.3 GREASE INTERCEPTOR:

EPOXY COATED INSIDE AND OUTSIDE FABRICATED STEEL GREASE INTERCEPTOR WITH FLOW RATING OF 35 GPM AND GREASE CAPACITY OF 70 LBS. UNIT SHALL INCLUDE ONCE PIECE REMOVABLE BAFFLE ASSEMBLY, CODE APPROVED DEEP SEAL TRAP, SECURED AND CASKETED NON SLIP COVER, 100mm (4") NH (M.J) INLET AND OUTLET AND EXTERNAL FLOW CONTROL, 762mm (30") LENGTH x 457mm (18") WIDTH x 508mm (20") HEIGHT, 152mm (6") CENTER TO TOP. CSA APPROVED.

ACCEPTABLE PRODUCT: "WATTS" MODEL: WD-CSA 135

N.I.C.

0	ISSUED FOR CONSTRUCTION	B	15.03.13
No.	REVISION/DESCRIPTION	BY	DATE



DRAWN	TJC	CHECKED	DESIGNED	PSS	APPROVED
DATE	2015-02-02	USER	APPROVAL		

THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4

PROJECT
 WINNIPEG TRANSIT
 SEWER SERVICE REPLACEMENT

421 OSBORNE STREET
SHEET TITLE

MECHANICAL
SPECIFICATIONS

SCALE	PROJECT No:	SHEET No:
N.T.S.	15-0107-002	M02

