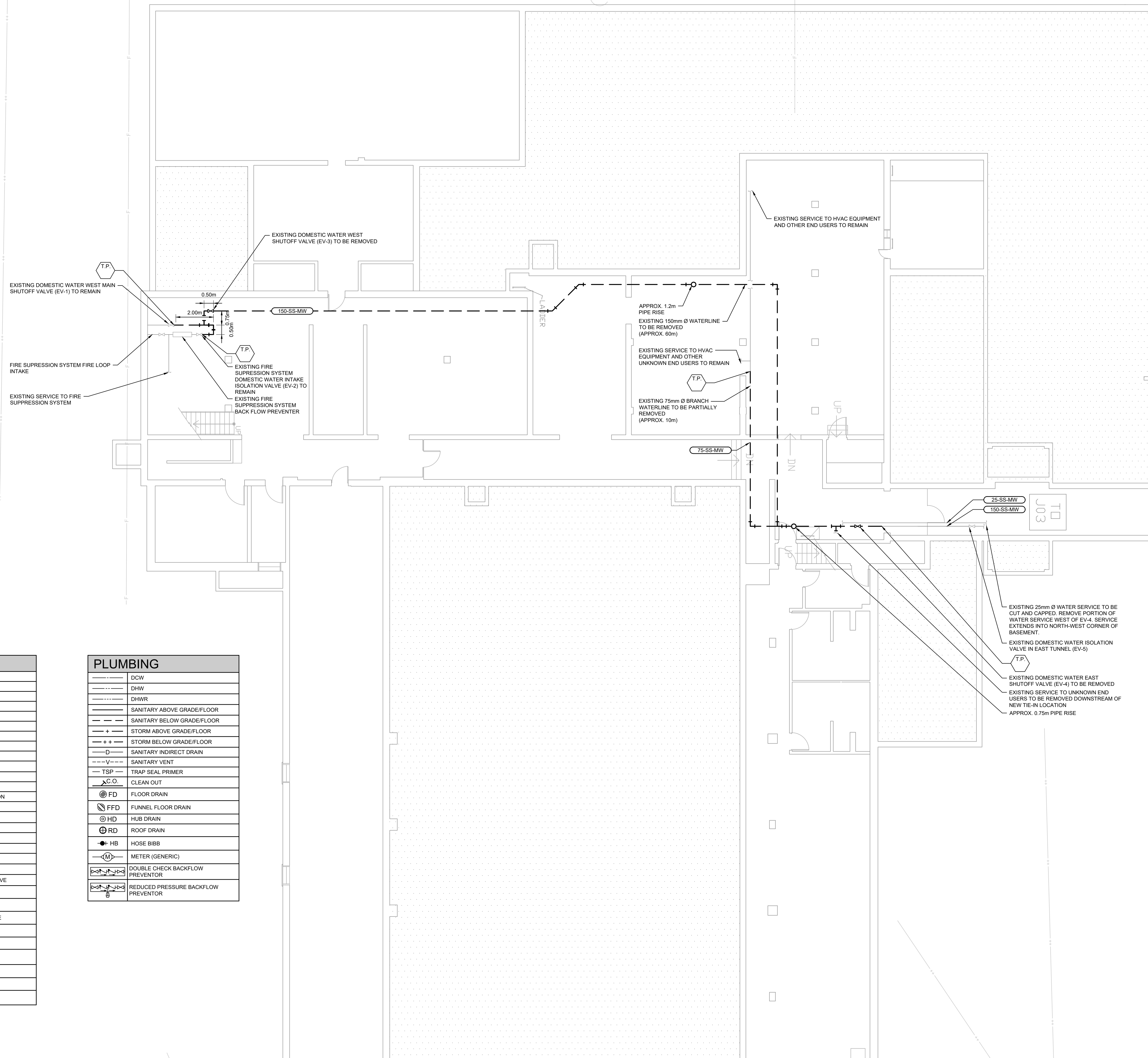


GENERAL NOTES:

1. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE - LATEST EDITION.
2. DEMOLITION SCOPE TO INCLUDE ALL ASSOCIATED APPURTENANCES INCLUDING VALVES, FITTINGS, INSULATION AND JACKETING, SUPPORTS, FITTINGS, ETC.
3. EXISTING MECHANICAL SYSTEMS ARE DIAGRAMMATIC AND ARE BASED ON ORIGINAL DRAWINGS. THESE DRAWINGS MAY NOT REPRESENT 'AS-BUILT' CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ON SITE PRIOR TO TENDER CLOSE. THE EXTENT AND CONFIGURATION OF EXISTING MECHANICAL SYSTEMS AND ALLOW FOR ADDITIONAL REMOVALS AS DETERMINED ON SITE TO MEET THE INTENT OF THE DEMOLITION INDICATED. CONTRACTOR TO CONFIRM EXISTING PIPE SIZES AND MATERIAL PRIOR TO COMMENCING THE WORK.



PIPING & VALVES	
— —	PIPE BREAK
→	FLOW ARROW
—+—	PIPE TEE DOWN
—+—	PIPE TEE UP
—T—	PIPE TEE
—E—	PIPE ELBOW
—X—	PIPE ANCHOR
—C—	PIPE CAP
—O—	PIPE RISE
—D—	PIPE DROP
—R—	PIPE REDUCER
—U—	PIPE UNION
—F—	FLEXIBLE PIPE CONNECTION
—B—	BALL VALVE
—BV—	BUTTERFLY VALVE
—GV—	GATE VALVE
—G—	GLOBE VALVE
—PV—	PLUG VALVE
—CV—	CHECK VALVE
—TDV—	TRIPLE DUTY VALVE
—PRV—	PRESSURE REDUCING VALVE
—PRV—	PRESSURE RELIEF VALVE
—TWV—	THREE WAY VALVE
—CBV—	CIRCUIT BALANCING VALVE
—S—	STRAINER
—VB—	VACUUM BREAKER
—AV—	AUTOMATIC AIR VENT
—T—	THERMOMETER
—PG—	PRESSURE GAUGE
—P—	PUMP

PLUMBING	
—DCW—	DCW
—DHW—	DHW
—DHW—	DHW
—SAG—	SANITARY ABOVE GRADE/FLOOR
—SBS—	SANITARY BELOW GRADE/FLOOR
—SAG—	STORM ABOVE GRADE/FLOOR
—SBS—	STORM BELOW GRADE/FLOOR
—SID—	SANITARY INDIRECT DRAIN
—SV—	SANITARY VENT
—TSP—	TRAP SEAL PRIMER
—C.O.—	CLEAN OUT
—FD—	FLOOR DRAIN
—FFD—	FUNNEL FLOOR DRAIN
—HD—	HUB DRAIN
—RD—	ROOF DRAIN
—HB—	HOSE BIBB
—M—	METER (GENERIC)
—DCB—	DOUBLE CHECK BACKFLOW PREVENTOR
—RCP—	REDUCED PRESSURE BACKFLOW PREVENTOR

No.	ISSUE / REVISION	DD/MM/YY
3	ISSUED FOR TENDER	15/07/21
2	ISSUED FOR 99% CLIENT REVIEW	30/06/21
1	ISSUED FOR 90% CLIENT REVIEW	25/05/21

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.



CLIENT:
 Correctional Service Canada / Service correctionnel Canada

CONSULTANT:
J.L. Richards
 ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP PROJECT NORTH

PROJECT:
JVJ04 WATERLINE REPLACEMENT
 JOYCEVILLE INSTITUTION 3766 HWY 15 KINGSTON ON, K0H 1Y0

DRAWING:
DEMOLITION PLAN

DESIGN: TR	DRAWING #:
DRAWN: NS	M1
CHECKED: PE	
JLR #: 31203-000	

File Location: P:\31000\31203-000 - JV04 Waterline\3-Production\5-Mech\31203-000 DEMOLITION PLAN.dwg

NEW PIPE ARRANGEMENT TO MATCH EXISTING. ADD ADDITIONAL 150x150x75mm TEE FOR TEMPORARY WATER SERVICE. INSTALL 75mm Ø GATE VALVE (NV-2) DIRECTLY DOWNSTREAM OF NEW TEE. GATE VALVE TO REMAIN UPON REMOVAL OF TEMPORARY WATER SERVICE.
 NEW PIPING TIED INTO EXISTING VALVE TIE POINT (T1)
 VALVE (EV-1) CLOSED FOR ISOLATION
 VALVE (EV-2) CLOSED FOR ISOLATION
 NEW PIPE TIED INTO EXISTING VALVE TIE POINT (T2)

NEW 150 mm Ø SS WATER SERVICE TO BE INSTALLED IN LOCATION OF EXISTING DEMOLISHED WATER SERVICE
 NEW WATERLINE ISOLATION GATE VALVE (NV-1)

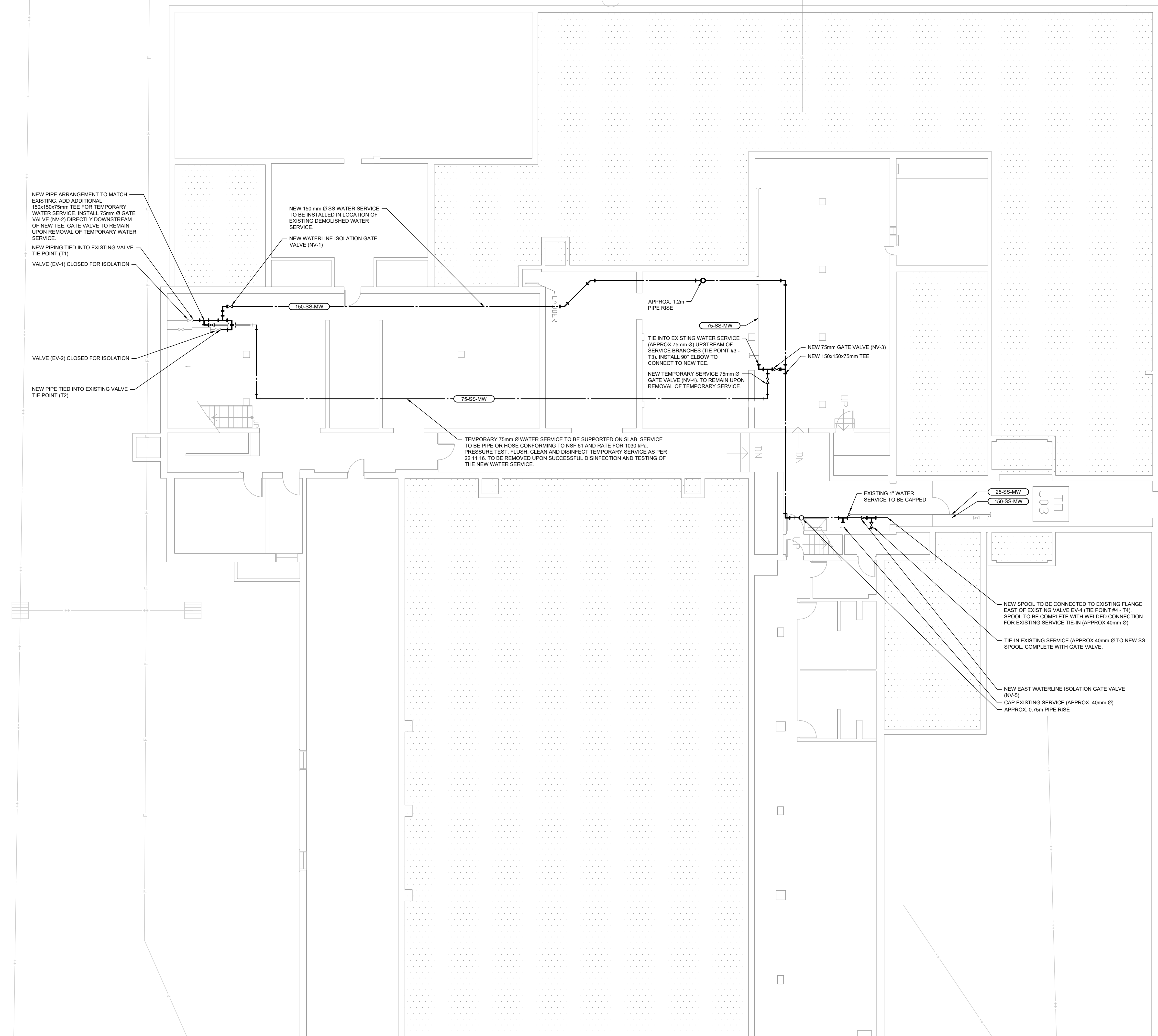
TEMPORARY 75mm Ø WATER SERVICE TO BE SUPPORTED ON SLAB. SERVICE TO BE PIPE OR HOSE CONFORMING TO NSF 61 AND RATE FOR 1030 KPa. PRESSURE TEST, FLUSH, CLEAN AND DISINFECT TEMPORARY SERVICE AS PER 22.11.16. TO BE REMOVED UPON SUCCESSFUL DISINFECTION AND TESTING OF THE NEW WATER SERVICE.

APPROX. 1.2m PIPE RISE
 TIE INTO EXISTING WATER SERVICE (APPROX 75mm Ø) UPSTREAM OF SERVICE BRANCHES (TIE POINT #3 - T3). INSTALL 90° ELBOW TO CONNECT TO NEW TEE.
 NEW TEMPORARY SERVICE 75mm Ø GATE VALVE (NV-4) TO REMAIN UPON REMOVAL OF TEMPORARY SERVICE.

NEW 75mm GATE VALVE (NV-3)
 NEW 150x150x75mm TEE

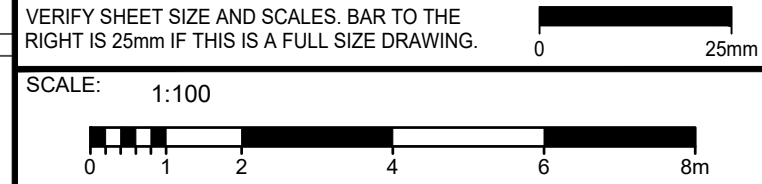
EXISTING 1" WATER SERVICE TO BE CAPPED
 25-SS-MW
 150-SS-MW

NEW SPOOL TO BE CONNECTED TO EXISTING FLANGE EAST OF EXISTING VALVE EV-4 (TIE POINT #4 - T4). SPOOL TO BE COMPLETE WITH WELDED CONNECTION FOR EXISTING SERVICE TIE-IN (APPROX 40mm Ø)
 TIE-IN EXISTING SERVICE (APPROX 40mm Ø TO NEW SS SPOOL. COMPLETE WITH GATE VALVE.
 NEW EAST WATERLINE ISOLATION GATE VALVE (NV-5)
 CAP EXISTING SERVICE (APPROX. 40mm Ø)
 APPROX. 0.75m PIPE RISE



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Correctional Service Canada / Service correctionnel Canada

CONSULTANT:

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 ENGINEERS - ARCHITECTS - PLANNERS

www.jlrichards.ca

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

JVJ04 WATERLINE REPLACEMENT

JOYCEVILLE INSTITUTION 3766 HWY 15 KINGSTON ON, K0H 1Y0

DRAWING:

MECHANICAL WORK

DESIGN:	TR	DRAWING #:	M2
DRAWN:	NS		
CHECKED:	PE		
JLR #:	31203-000		

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