

CATHODIC PROTECTION NOTES:

- THE CATHODIC PROTECTION INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 26-42-13 OF MMCD SPECIFICATIONS.
- ALL TEST STATIONS SHALL BE MOUNTED BEHIND THE CURB FACE.
- THE WATERMAIN FITTINGS' COATING AND LINING SHALL BE IN ACCORDANCE WITH MMCD SPECIFICATION. APPLICABLE COATING STANDARDS: ANS/AWWA C217-99 (PETROLATUM TAPE)
- ALL FITTINGS & FLANGES SHALL HAVE CONTINUITY BONDS AS PER TYPICAL DETAIL.
- THE PIPE BEDDING MATERIAL FOR THE WRAPPED PIPE FITTINGS WILL BE CLEAN, WASHED SECHLT FILL SAND OR EQUIVALENT, WITH LESS THAN 10ppm OF CHLORIDE AND SULPHATE IONS.
- ALL CAPS SHALL HAVE 4.1 KG ANODES INSTALLED AND CONTINUITY BONDS INSTALLED AS PER CATHODIC PROTECTION INSTALLATION DETAIL (TYPICAL).
- INSTALL ANODES ON ALL D.I. FITTINGS, D.I. PIPE, AND HYDRANTS. ALL FITTINGS SHALL BE CONNECTED WITH TWO BOND CABLES. WRAP IN PETROLATUM PASTE AND TAPE.
- BOND ALL CONNECTED DI FITTINGS TOGETHER.
- PROVIDE 2 CONTINUITY BOND CONNECTIONS PER FITTING.
- ANODES ARE 14.5kg OR 4.1kg MAGNESIUM ANODE AS SHOWN.
- ALL BELOW GROUND DI PIPE AND FITTINGS TO BE COATED WITH PRIMER AND PETROLATUM TAPE.

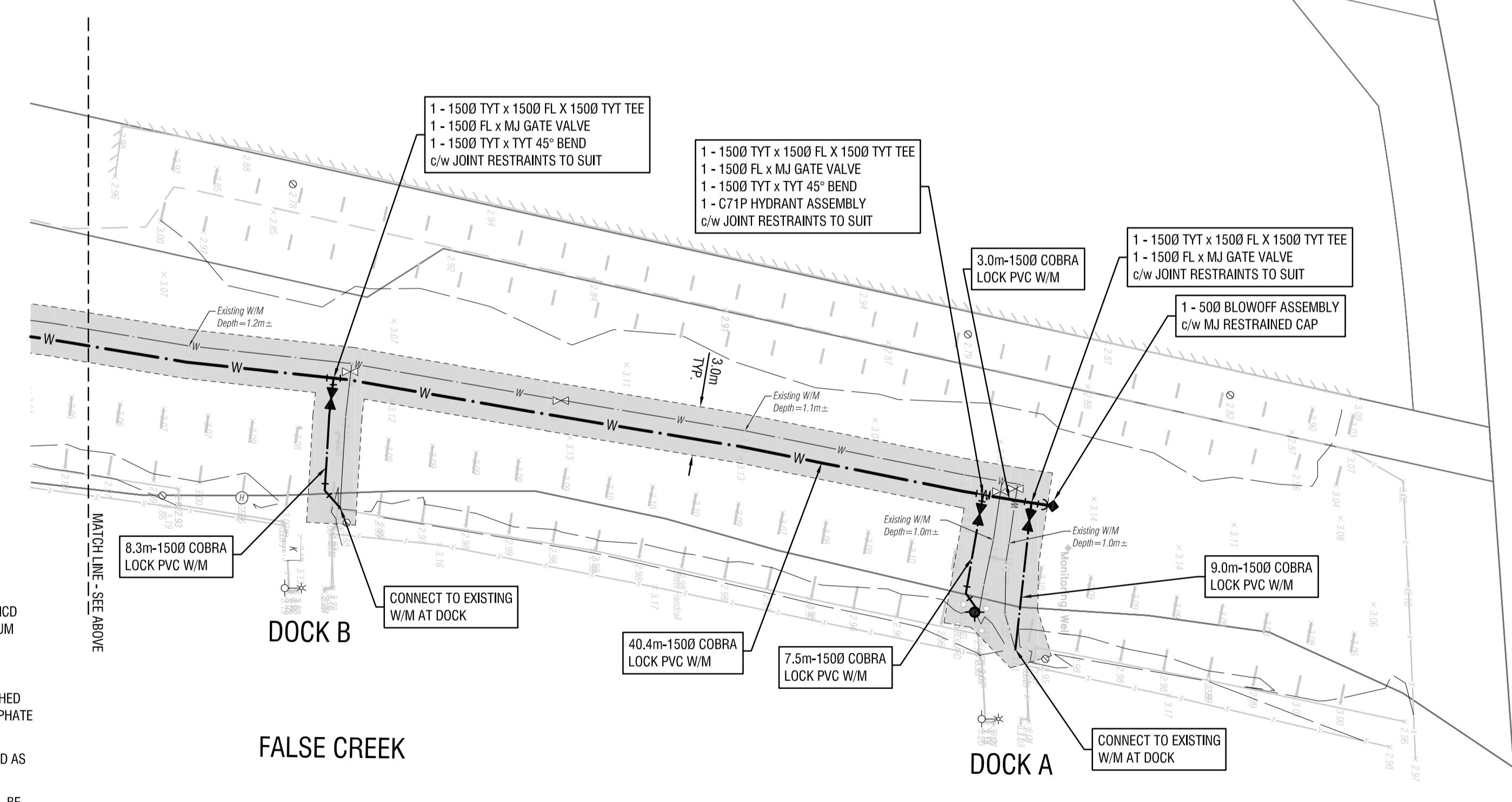
WATERMAIN

- UNLESS OTHERWISE INDICATED WATERMAIN PIPE MATERIAL SHALL BE:
 - COBRA LOCK TM AWWA C900 PVC PIPE PRESSURE CLASS 150 CERTIFIED TO CSA B137.3 AND IN ACCORDANCE WITH MMCD STANDARDS. ALL JOINTS TO BE RESTRAINED, PIPE JOINTS TO BE COBRA LOCK TO CSA B137.3 OR APPROVED EQUAL.
- ALL FITTINGS ON PVC MAINS TO BE DUCTILE IRON (AWWA C110) CEMENT MORTAR LINED TO AWWA C104 c/w TYTON JOINTS TO AWWA C111 c/w CLOSED LUGS & JOINT RESTRAINTS, OR MECHANICAL JOINTS (MJ) c/w MEGALUG @ MECHANICAL JOINT RESTRAINT.
- MEGALUG CLAMPS AND RODS REQUIRED ACROSS ANY COUPLINGS. INSULATING KITS ACROSS INSULATING COUPLING ON D.I. W/M AS REQUIRED.
- ALL BRANCH CONNECTIONS SHALL BE COMPLETE WITH CAP & 50mm IPT TEMP. BLOWOFF AS PER MMCD STD. DWG & TYPICAL DETAIL THIS SHEET.
- CATHODIC PROTECTION IN ACCORDANCE WITH MMCD SPECIFICATIONS. SEE CATHODIC PROTECTION NOTES THIS SHEET.
- PROVIDE 45° VERTICAL BENDS TO SUIT.

- MINIMUM COVER OVER WATERMAINS TO BE 1.0m TO 1.5m MAX.
- FIRE HYDRANTS SHALL BE AS PER MMCD STANDARD DWG W4 AND ARE ARE TO BE TERMINAL CITY TYPE C71P.
- FITTINGS SHALL BE GREY IRON SUITABLE FOR 1380kPa WORKING PRESSURE.
- GATE VALVES SHALL BE CAST IRON SUITABLE FOR 1380kPa WORKING PRESSURE.
- CONFIRM WATERMAIN WORKING PRESSURE WITH ENGINEER PRIOR TO PRESSURE TESTING.
- CONFIRM THRUST BLOCK END AREAS WITH ENGINEER PRIOR TO CONSTRUCTION.
- TESTING AND CHLORINATION OF WATERMAINS TO BE PERFORMED BY THE CONTRACTOR AND WITNESSED BY THE ENGINEER'S INSPECTOR.
- WATER SERVICE CONNECTION TO BE AS PER THE MMCD STANDARD DRAWING W2b UNLESS OTHERWISE NOTED.
- TRENCHING SHALL BE AS PER MMCD STANDARD DRAWINGS.
- TIE-INS TO EXISTING WATERMAINS TO BE PERFORMED BY THE CONTRACTOR AND WITNESSED BY THE ENGINEER'S INSPECTOR. 48 HOURS NOTICE IS REQUIRED.

LEGEND OF SYMBOLS

EXISTING	PROPOSED	EXISTING	PROPOSED



CIMC ADDRESS
1505 W 1st AVENUE
VANCOUVER, BC

BENCHMARK
ELEVATIONS ARE TO GEODETIC DATUM, DERIVED FROM
GEODETIC CONTROL MONUMENT 114181 (6332)
E.L. = 11.845m (CVD28QVRD2018)

REV. A	DATE 02.11.2022	ISSUED FOR CLIENT REVIEW	DR. S.N.	APP. T.M.	CLIENT FISHERIES AND OCEANS CANADA SMALL CRAFT HARBOURS - PACIFIC REGION 201- 401 BURRARD STREET VANCOUVER, BC V6C 3S4	DRAWING TITLE WATERMAIN PLAN	PROJECT FALSE CREEK HARBOUR WATERMAIN REPLACEMENT	TITLE WATERMAIN PLAN	SCALE 1:250	DATE DECEMBER 2021	PROJECT NO.
REV. B	DATE 03.17.2022	ISSUED FOR CONSTRUCTION	DR. S.N.	APP. T.M.				SCALE 1:250	DATE DECEMBER 2021		DRAWING NO.
								DRAWN V.M.	CHECKED T.M.		SHEET NO. 1 OF 1
								DESIGN T.M.			JOB NO. 211-12003-00



WSP CANADA INC.
#100 - 20339 96th AVENUE
LANGLEY, B.C.
V1M 0E4 CANADA
TEL. 604-525-4651
www.wsp.com

TITLE WATERMAIN PLAN	SCALE 1:250	DATE DECEMBER 2021	PROJECT NO.
DRAWN V.M.	CHECKED T.M.	DRAWING NO.	SHEET NO. 1 OF 1
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