



TIE-IN TO WATERMAIN INVOLVES WORKING WITHIN 2.0 METRES OF THE 323mm DISTRIBUTION PRESSURE GAS PIPELINE. INSPECTION BY FORTIS BC IS REQUIRED CONTACT FORTIS AT 604-576-7021 14 DAYS PRIOR TO WORK

WATER METER:
75mm COMPOUND METER: NEPTUNE TRU/FLOW CONFORMS TO AWWA C-702 IN AE CONCRETE MODEL 2121 H2O RATED CHAMBER WITH OUTSIDE DIMENSIONS 2000mm X 1200mm C/W CONCRETE ANCHOR BLOCKS AT BOTH ENDS (PER COQUITLAM WATER UTILITY STD. DWG. WM-5) & TWIN STEEL HATCHES (PER COQUITLAM WATER UTILITY STD. DWG. WM-4). WATERMAIN THROUGH TO BE 75mm C/W 2-100 X 75mm REDUCERS OUTSIDE OF VAULT.

1-100TYT x 100TYT x 100 TYT TEE
1-100mm x 50mm REDUCER
1-100mm DI MAKEUP PIECE
INSTALL TEE C/W THRUST BLOCK AS PER MMCD STD. DWG. W1.

REMOVE EXISTING HDPE PIPE AND INSTALL 9m 100mm DI or PVC DR 18 WATERMAIN
1-100mm 90° BEND C/W THRUST BLOCK PER MMCD STD. DWG. W1

REMOVE EXISTING HDPE PIPE AND REPLACE WITH 100mm DI or PVC DR 18 WATERMAIN

PROP. 25mm WATER SERVICE CONNECTION C/W CURB STOP AS PER MMCD STD. DWG. W 2b.

PROP. 5.6m 100mm DI WATERMAIN. RESTRAIN ALL JOINTS BETWEEN TEE AND METER WITH UFR1360-C-6 UNIFLANGE PIPE RESTRAINTS PER DETAIL ON SHEET C4

CUT & EXPOSE EXISTING 75mm HDPE WATER PIPE SOUTH OF VALVE. REMOVE HDPE PIPE UPSTREAM OF THIS LOCATION. PIPE TO ACT AS A SLEEVE FOR 50mm PE 160 PIPE STARTING AT THIS POINT

INSTALL 25mm BACKFLOW PREVENTOR WATTS MODEL #J007M201 IN BROOKS NO. 66 CONCRETE BOX WITH BROOKS NO. 66 CONCRETE COVER. BOX DEPTH OF BURY = MIN. 0.7m. OUTSIDE DIMENSION OF BOX: 0.9m X 0.6m. SEE DETAIL ON SHEET C4

PROPOSED SANDERSON CONCRETE INC. WHEELCHAIR ACCESS DRINKING FOUNTAIN. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATION

50mm IRRIGATION AND WATER SERVICE VAULT/BACKFLOW PREVENTOR PER DETAIL ON SHEET C4

EXISTING HDPE PIPE WITH EXISTING THRUST BLOCK

EXISTING 75mm HDPE 160 PIPE. EXISTING PIPE TO BE EXPOSED AT TWO LOCATIONS SHOWN. NEW 50mm PE 160 WATER PIPE TO BE PULLED THROUGH EXISTING 75mm HDPE (i.e. 75mm PIPE TO ACT AS A SLEEVE). NEW 50mm PE PIPE TO BE A CONTINUOUS SECTION OF PIPE THROUGH SLEEVE - NO JOINTS PERMITTED

50mm WATER SERVICE TO SPLASH PARK (TERMINATE AT PROPOSED SPLASH PARK PRV CHAMBER & BACKFLOW PREVENTOR CONNECTION AND SERVICE BY GENERAL CONTRACTOR).

END OF EXISTING 75mm HDPE PIPE. EXPOSE END OF PIPE & SLEEVE NEW 50mm WATERMAIN THROUGH

CONTINUATION TO PROP. BUILDING BY BUILDING CONTRACTOR

FOR WORK IN THE VICINITY OF THE EXISTING FORTIS BC PRESSURE GAS GASLINE, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM FORTIS BC PRIOR TO THIS START OF CONSTRUCTION WORK

NOTE: ALL WATER PIPES TO MEET BC BUILDING CODE & CITY OF COQUITLAM PLUMBING INSPECTOR'S REQUIREMENTS

PROCEDURE TO BE FOLLOWED FOR ALL METRO VANCOUVER CROSSINGS:
1. CONTRACTOR TO NOTIFY METRO VANCOUVER (MV), CITY & R.F. BINNIE & ASSOCIATES ('BINNIE') AT LEAST 7 DAYS IN ADVANCE OF THE CROSSING, PROVIDING DETAILS OF THE DATE & APPROX. TIME THAT THE CROSSING IS PLANNED TO TAKE PLACE.
2. DISTURBANCE TO THE GROUND OVER THE MV UTILITY IS TO OCCUR IN ACCORDANCE WITH M.V.'S GUIDELINES & INSTRUCTIONS (INCLUDING HAND DIGGING AS NEEDED)
3. ALL M.V.'S CROSSINGS ARE TO OCCUR IN THE PRESENCE OF M.V. & BINNIE INSPECTION STAFF.
4. ANY DISCREPANCIES IN THE VERTICAL OR HORIZONTAL ALIGNMENT OF THE M.V. ARE TO BE BROUGHT TO THE ATTENTION OF BINNIE & M.V. REDESIGN MAY BE REQUIRED TO ACCOMMODATE M.V. UTILITY VARIATION(S).

BINNIE
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CLIENT:
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LEGAL DESCRIPTION:
BENCHMARK PROVIDED BY CITY OF COQUITLAM
TAG NO. 1556 ELEVATION = 16.665m GEODETIC

No.	Description	Date
11	AS CONSTRUCTED	MAY 30/13
10	REVISED STORM POND	JULY 30/12
9	REVISED WATER MAIN	JULY 26/12
8	REVISED AS PER COC COMMENTS	JUNE 26/12
7	ISSUED FOR SERVING PERMIT	JUNE 11/12
6	ISSUED FOR CONSTRUCTION	JUNE 5/12
5	ISSUED FOR SERVING PERMIT	MAY 11/12
4	ISSUED FOR TENDER	APRIL 5/12
3	ISSUED FOR TENDER REVIEW	MAR 22/12
2	ISSUED FOR TENDER REVIEW	MAR 16/12

REVISIONS-DRAWING ISSUE

CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK.

PROJECT:
MACKIN PARK RENOVATION

LOCATION:
1046 BRUNETTE
COQUITLAM, BC

DRAWN	CG	
CHECKED	-	
APPROVED	-	CAD FILE
SCALE	1:250	DATE JAN. 10, 2012

DRAWING TITLE
WATER

PROJECT NO.
11-430

DRAWING NO.
C1