



## PROCUREMENT SERVICES

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### ADDENDUM No. 3

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REQUEST FOR TENDER No.:	1220-020-2023-004
TITLE:	DISTRICT ENERGY TRANSFER STATIONS AND ASSOCIATED WORKS
ADDENDUM ISSUE DATE:	SEPTEMBER 1, 2023
CLOSING DATE AND TIME:	ON OR BEFORE THE FOLLOWING DATE AND TIME (THE "CLOSING TIME"): TIME: 11:00 A.M. (LOCAL TIME) DATE: SEPTEMBER 7, 2023

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### INFORMATION FOR TENDERERS

Tenderers are advised that Addendum No. 3 to 1220-020-2023-004 is hereby issued by the City. This addendum shall form part of the contract documents and is to be read, interpreted and coordinated with all other parts. The following information is provided to answer questions raised by Tenderers for the above-named project, to the extent referenced and shall become a part thereof. No consideration will be allowed for extras due to the Tenderers or any sub-contractor not being familiar with this addendum. This Addendum No. 3 contains six (6) pages.

### QUESTIONS AND ANSWERS

**Q.1.** Please advise on the backfill to be utilized. Please confirm that note 4 & 5 are across all the locations shown [Refer to Attachment 1].

**A.1.** Note 4 refers to Type 1 / 2 fill under roadways and approved Type 3 fill under boulevards / non-roadway surfaces. Note 5 refers to Type 4 fill. Refer to the following information:

Type 1 Fill (Granular 'A' Base Material) and Type 2 Fill (Granular 'B' Sub-base Material):

1. Crushed, screened stone, gravel or sand consisting of hard durable particles free from clay lumps, cementation, organic material and other deleterious materials. Pit run granular material will not be considered as acceptable.

2. Gradations to be within limits specified when tested to ASTM C136 and ASTM C117, as shown in Table 2. Sieve sizes to CAN/CGSB 8.1.

Table 2: Type 1 / Type 2 Fill

Sieve Designation [mm]	% Passing	
	Type 1	Type 2
75	-	100
50	-	-
37.5	-	-
25	100	-
19	75 - 100	-
12.5	-	-
9.5	50 - 100	-
4.75	30 - 70	22 - 85
2.00	20 - 45	-
0.425	10 - 25	5 - 30
0.180	-	-
0.075	3 - 8	0 - 10

Type 3 Fill: selected backfill material from excavation or other sources, approved by Consultant for use intended, unfrozen and free from rocks larger than 75 mm, cinders, ashes, sods, refuse, ice, vegetable matter or other deleterious materials.

Type 4 Fill (Sand bedding):

1. Sand Consisting of hard durable particles free from lumps, cementation, organic material, and other deleterious material.
2. Gradations to be within limits specified in Table 3.

Table 3: Sieve Sizes Summary for Sand Backfill Material

Sieve Size		% Passing (by weight)
Number	(mm)	
#4	4.75	100 %
#10	2.0	90-96 %
#20	0.85	75-94 %
#40	0.425	45-82 %
#60	0.25	18-40 %
#100	0.15	10-17 %
#200	0.075	5 %

**Q.2.** What is the depth of cover on pipes at the location below as there are no profiles? [Refer to Attachment 2]

**A.2.** The Quinn buried piping's elevation is intended to be field matched with the interior piping in the level P1 DEU Room and should align with the tie-in flanges (elevation currently unknown). It can be assumed for the tender that the depth of cover on pipes will be up to a maximum of 2m.

**Q.3.** The MFT site shows City of Surrey addendums 1 and 2, as well as FVB addendum 4. Please provide the FVB addendums 1,2, and 3.

**A.3.** Disregard FVB's addenda. Please only refer to the Tender Package (Tender Document, Drawings, Specifications, and City's addendum No. 1 issued on August 17, 2023, addendum No 2. issued on August 30, 2023 No.3 being the current one). The Tender Package includes all the required information.

FVB addendum No. 1 was incorporated into the City's tender document as issued.

FVB's addendum No. 2 and 3 were incorporated into the City's addendum No. 1 as issued.

FVB's addendum No. 4 was released with the City's addendum No. 2 as issued.

No additional information or addendum exists beyond what has been already included in the City's posted tender documents and addenda.

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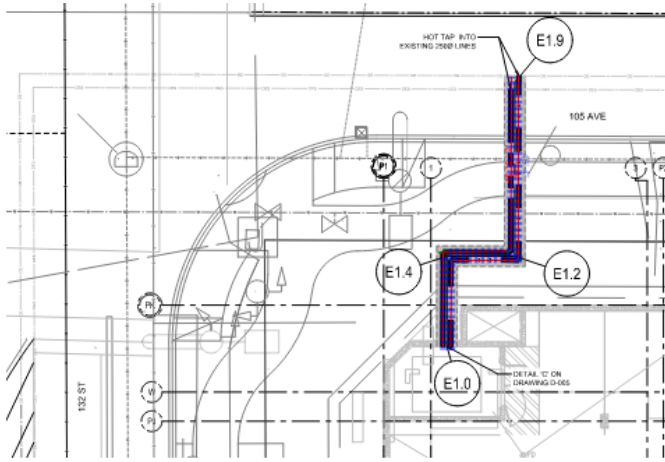
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**All Addenda will become part of the Contract Documents.**

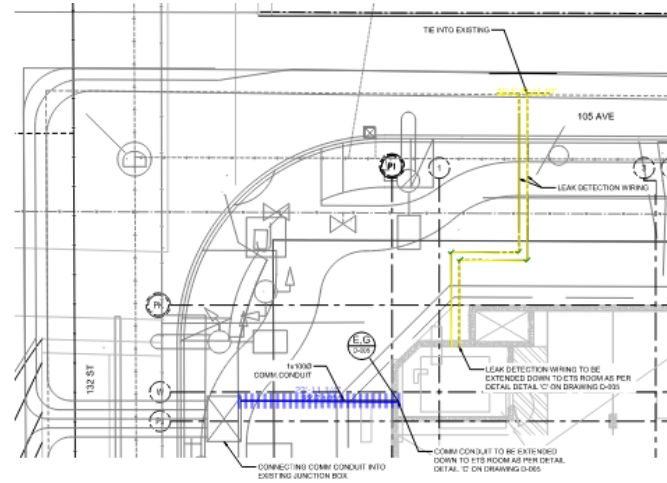
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**- END OF ADDENDUM -**

# Attachment 1

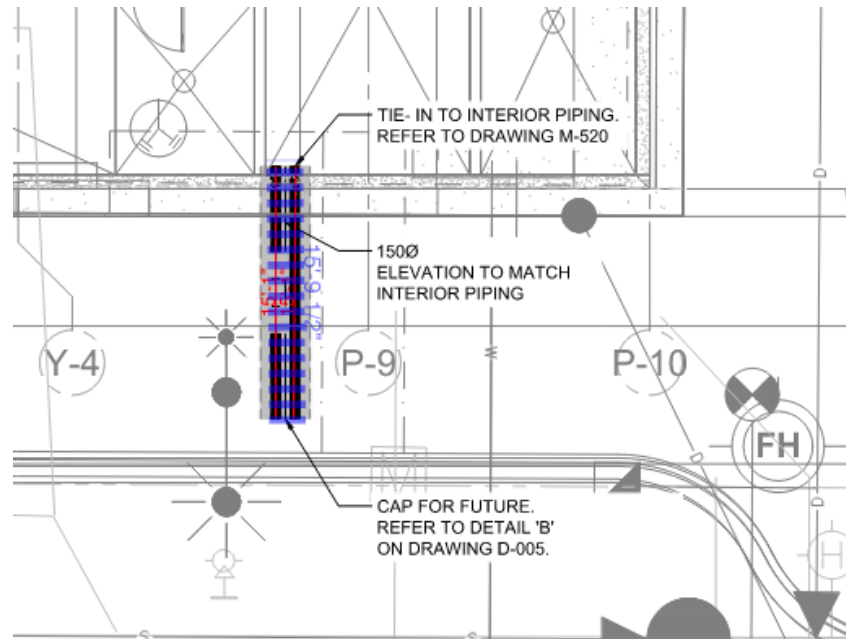


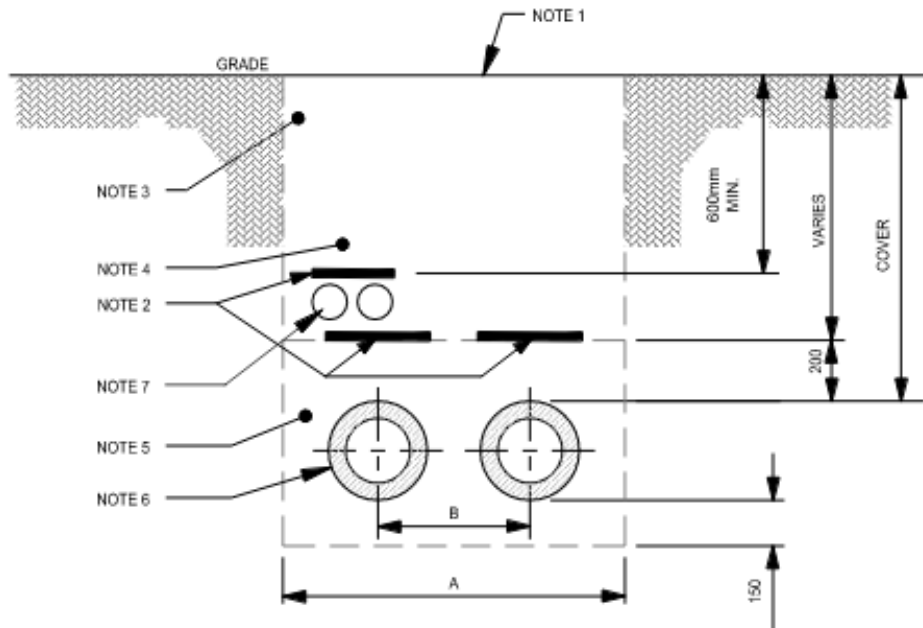
1 DPS LAYOUT  
1:100



2 COMM LAYOUT  
1:100

(E1.9) (E1.4) (E1.2) (E1.0)





**TYPICAL PARALLEL TRENCH DIMENSIONS  
(RECOMMENDED MINIMUMS)**

PIPE SIZE	NPS(mm)	NPS(in)	A(mm)	B(mm)	A(ft-in)	B(ft-in)
48.3/110	40Ø	1 1/2"	800	300	2'-8"	1'-0"
60.3/125	50Ø	2"	825	325	2'-9"	1'-1"
76.1/140	65Ø	2 1/2"	850	325	2'-10"	1'-1"
88.9/160	80Ø	3"	900	350	3'-0"	1'-2"
114.3/200	100Ø	4"	975	400	3'-3"	1'-4"
139.7/225	125Ø	5"	1025	425	3'-5"	1'-5"
168.3/250	150Ø	6"	1075	450	3'-7"	1'-6"
219.1/315	200Ø	8"	1200	500	4'-0"	1'-8"

NOTE: 114.3/200 - REFERS TO: OD OF PIPE / OD OF INSULATION JACKET

**TRENCH NOTES:**

1. -ALL RE-INSTATEMENT TO MEET SPECIFICATION OR LOCAL AUTHORITY REQUIREMENTS.  
-RE-INSTATE GRADE TO MATCH EXISTING CONDITIONS.  
-ASPHALTIC CONCRETE SURFACES: PROVIDE STRAIGHT SAW CUT EDGE, 300mm MIN. OUTSIDE EXCAVATED AREA.
2. WARNING TAPE ABOVE ALL PIPE AND CONDUIT.
3. TRENCH SIDE SLOPES TO LOCAL OR PROVINCIAL REGULATORY AGENCY.
4. 75mm MINUS FRACTURED GRANULAR TRENCH BACKFILL COMPACTED TO 95% IN ROADWAY. APPROVED NATIVE OR PIT RUN TRENCH IN BOULEVARD / NON-ROADWAY.
5. APPROVED SAND BEDDING AND SURROUND COMPACTED TO 95% AS PER SPEC.
6. PRE-INSULATED DISTRICT HEATING PIPES.
7. COMMUNICATION CONDUIT.
8. AGGREGATE BACKFILL & COMPACTION SHALL COMPLY WITH SURREY CITY DRAWING SSD-G.4 & SSD-G.5.

# Attachment 2

