



PROCUREMENT SERVICES SECTION

Surrey City Hall, 13450 – 104 Avenue, Surrey, B.C., V3T 1V8

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ADDENDUM #1

INVITATION TO TENDER NO.: 1220-020-2020-004

TITLE: ORCHARD GROVE PARK MULTI-USE
PATHWAY

ADDENDUM ISSUE DATE: May 6, 2020

CLOSING DATE: ON OR BEFORE THE FOLLOWING DATE
AND TIME (THE “CLOSING TIME”):
TIME: 11:00 A.M. (LOCAL TIME)
DATE: MAY 21, 2020

INFORMATION FOR TENDERERS

This Addendum is issued to provide additional information to the ITT for the above-named project, to the extent referenced and shall become part thereof. No consideration will be allowed for extras due to the Tenderer not being familiar with this Addendum. This Addendum No. 1 contains two (2) pages in total including drawing.

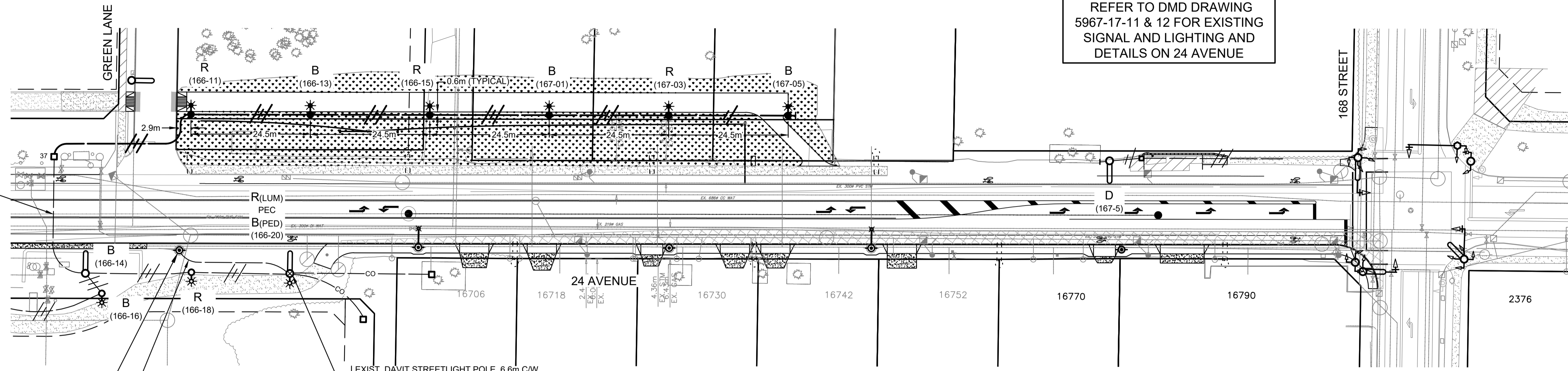
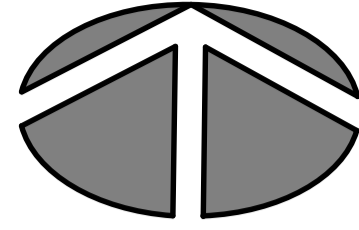
INFORMATION ONLY

Refer to section C – Form of Agreement, Schedule 2 – List of Contract Drawings, add the following fourth drawing as follows:

Schedule 2: List of Contract Drawings				
TITLE	DRAWING NO.	DATE	REVISION NO.	REVISION DATE
MUP LIGHTING	1	2020.03.15	2	2020.05.05

– END OF ADDENDUM –

All Addenda will become part of the ITT Documents.



EXIST. 1-35mm RPVC (EMPTY)
PROVIDE: 3 No. 4 (AL) RW90 LTG.
1 No. 6 (AL) RW90 BOND

EXISTING BC HYDRO SERVICE
LOCATION (120/240V)

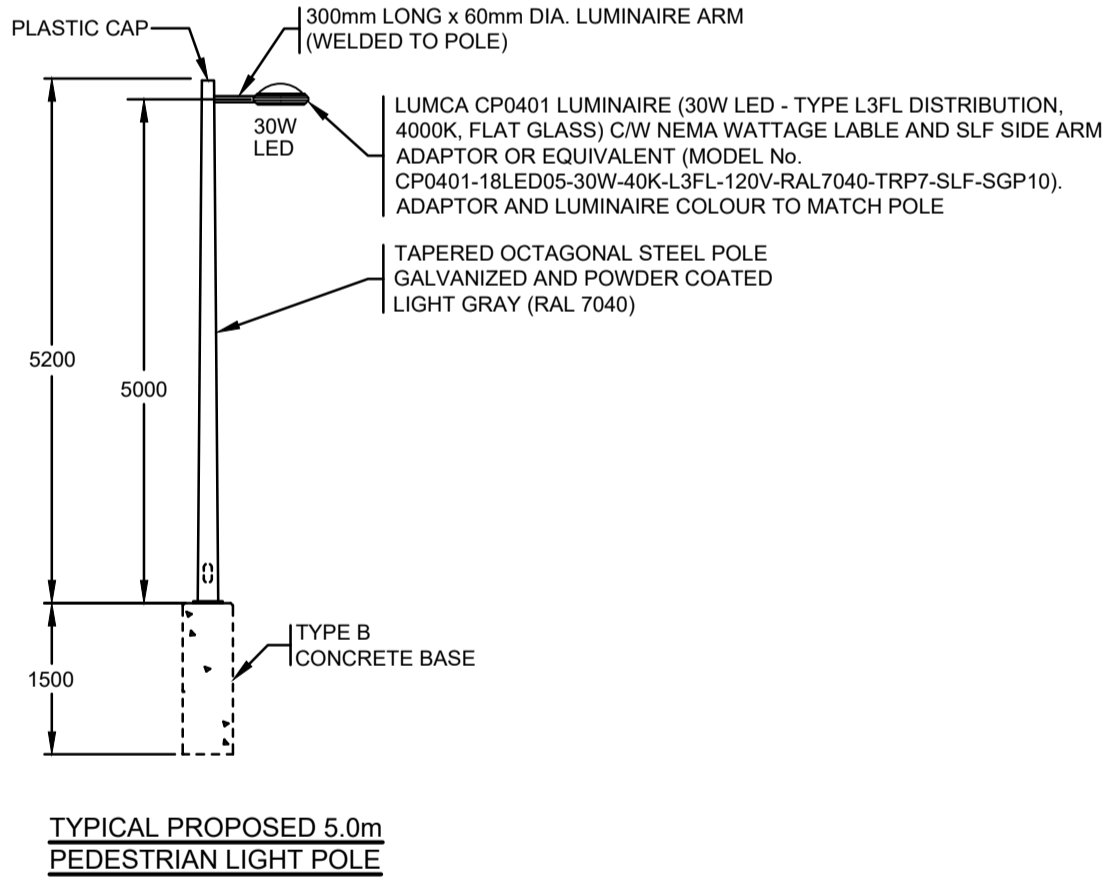
EXIST. 1-53mm RPVC U/G DIP SERVICE
3 No. 6 RW90 SERVICE CONDUCTORS

EXIST. DAVIT STREETLIGHT POLE, 6.6m C/W
PEDESTRIAN LUMINAIRE, PHOTOCELL AND
60A-120/240V SERVICE PANEL IN A 0.9m HIGH
SERVICE BASE.



REFER TO SURREY PROJECT
No. 7815-0133-00 FOR EXISTING
LIGHTING ON 24 AVENUE

MULTI-USE PATHWAY (MUP) LIGHTING DESIGN CRITERIA		
ITEM	MULTI-USE PATHWAY	
STREET NAME(S)	24 AVENUE	
LAND USE	RESIDENTIAL	
ROADWAY CLASSIFICATION & WIDTH	MUP 4.0m	
PEDESTRIAN ACTIVITY LEVEL	MEDIUM	
LUMINAIRE DESCRIPTION/PRODUCT NUMBER	LUMCA CP0401	
PHOTOMETRIC FILE No.	CP04XX 18LED05 30W 40K L3FL 120m.IES	
LAMP WATTAGE & LIGHT SOURCE	30W / 530mA - LED	
INITIAL LAMP LUMENS	2739lm	
LIGHT LOSS FACTOR	0.80	
LUMINAIRE DISTRIBUTION TYPE	L3FL	
POLE ARRANGEMENT	ONE SIDE	
POLE SPACING (MAX. DESIGN)	24.5m	
	RECOMMENDED VALUES	ACHIEVED VALUES
ILLUMINANCE LEVEL (AVG.)	5 LUX	7.7 LUX
ILLUMINANCE UNIFORMITY RATIO (MAX.:MIN.)	10.0:1	3.2:1



- LEGEND:**
- EXISTING DAVIT STREETLIGHT POLE
 - EXISTING DAVIT STREETLIGHT POLE C/W PEDESTRIAN LUMINAIRE
 - FUTURE DAVIT STREETLIGHT POLE
 - PROPOSED PEDESTRIAN LIGHT POLE (REFER TO POLE ELEVATION FOR DETAILS)
 - EXISTING PEDESTRIAN LIGHT POLE.
 - EXISTING COMBINATION TRAFFIC SIGNAL/ STREETLIGHT POLE
 - EXISTING TRAFFIC SIGNAL POST
 - EXISTING CONCRETE JUNCTION BOX TYPE 37 (2 SECTION DEEP).
CONTRACTOR TO BOND GALVANIZED STEEL LID
 - EXISTING JUNCTION BOX
 - LUMINAIRE ON RED PHASE CONDUCTOR
 - LUMINAIRE ON BLACK PHASE CONDUCTOR
 - PROPOSED 3 No. 4 (AL) RW90 ST. LTG. AND 1 No. 6 (AL) RW90 BOND IN 35mm RPVC
 - PROPOSED 2 No. 4 (AL) RW90 ST. LTG. AND 1 No. 6 (AL) RW90 BOND IN 35mm RPVC
 - PROPOSED 35mm RPVC STUB OUT (CAP AND MARK LOCATION)
 - EXISTING STREET LIGHTING CONDUIT AND CONDUCTORS
 - EXISTING 35mm RPVC CONDUIT ONLY
 - STREETLIGHT POLE NUMBER
 - EXISTING BC HYDRO POLE
 - EXISTING BC HYDRO POLE C/W LEASE LIGHT

- NOTES:**
1. THE CITY OF SURREY CURRENT (2016) ORNAMENTAL STREETLIGHT STANDARDS AND SPECIFICATIONS TO APPLY.
 2. CONTRACTOR TO NUMBER POLES AS PER SURREY INSTRUCTIONS AND THE NUMBERS SHOWN ON THE DRAWINGS.
 3. ALL NEW POLES, SERVICE BASES AND LUMINAIRE ARMS SHALL BE HOT DIPPED GALVANIZED AND POWDER COATED LIGHT GREY (RAL 7040). ALL STREETLIGHT AND PEDESTRIAN LUMINAIRES SHALL BE FACTORY POWDER COATED TO MATCH POLES.
 4. CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES PRIOR TO CONSTRUCTION.
 5. ALL STREET LIGHTS ARE TO BE 1.0m CLEAR OF ALL DRIVEWAYS.
 6. REFER TO ELEVATIONS FOR LUMINAIRE DETAILS.
 7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE ADEQUACY OF THE EXISTING STREET LIGHT SERVICES, SERVICE BASE, CONDUITS AND CONDUCTORS AND MAKE ALL NECESSARY REPAIRS TO ADEQUATELY COMPLETE ALL CONNECTIONS INTO THE EXISTING STREET LIGHT SYSTEM.
 8. A TRON HEB AA WATER RESISTANT FUSE HOLDER, C/W A 10A BUSS KTK FUSE AND 2 'L' TYPE INSULATING BOOT, SHALL BE INSTALLED IN EACH LUMINAIRE LIVE CONDUCTOR IN THE HANDHOLE.
 9. CONDUCTORS INSIDE STREET LIGHT POLES SHALL BE:
No.12 RW90 X-LINK (CU)
No.12 RW90 BOND (CU)
 10. ALL STREET LIGHTING FEEDER CONDUCTORS SHALL BE STRANDED ALUMINUM (AL) RW90 INSULATED AND COLOUR CODED AND SHALL BE EITHER ALCAN OR SOUTHWIRE (SURREY SPECIFICATIONS WITH CITY OF SURREY MARKINGS). SIZE OF CONDUCTORS AS NOTED.
 11. ALL CONNECTIONS ARE TO BE COMPLETED WITH H-TAP COMPRESSION TYPE CONNECTIONS RATED FOR USE WITH ALUMINUM TO COPPER CONNECTIONS (BLACKBURN WR159 FOR #6 AWG COPPER TO #4 AWG ALUMINUM AND WR9 FOR #4 AWG ALUMINUM TO #12 AWG COPPER OR APPROVED EQUAL). CONNECTIONS SHALL BE COMPLETED WITH A BLACKBURN OD561 MANUAL COMPRESSION TOOL WITH 'O' DIE OR APPROVED EQUIVALENT. WRAP CONDUCTORS AND SPLICES WITH SELF FUSING RUBBERIZED (NOT PVC) TAPE AND COMPLETELY COVER RUBBERIZED TAPE WITH PVC TAPE. ALL CONNECTIONS ARE TO HAVE "PENETROX" ELECTRICAL JOINT COMPOUND.
 12. ALL CONDUITS SHALL BE RIGID P.V.C. MANUFACTURED IN ACCORDANCE WITH C.S.A. C22.2 No. 211.2. (NOT DB2).
 13. CONTRACTOR SHALL SAND PAINT AT GROUNDING/BONDING POINTS WITHIN POLE HAND HOLE AND SERVICE BASE ALLOWING FOR METAL TO METAL CONTACT.

NOT FOR CONSTRUCTION
MAY 05, 2020

OVERHEAD POWER LINE CONFLICTS
CONTRACTOR SHALL CONFIRM ON SITE PRIOR TO CONSTRUCTION THAT POLES & EQUIPMENT WILL MEET WorkSafeBC CLEARANCE REQUIREMENTS OR OVERHEAD PRIMARY AND SECONDARY LINES. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO DMD & ASSOCIATES LTD. PRIOR TO ORDERING POLES AND INSTALLING CONCRETE BASES.

CHECK BEFORE YOU DIG
CONTRACTOR SHALL REFER TO MUNICIPAL RECORD / CIVIL DESIGN DRAWINGS FOR ALL OTHER UTILITIES, SERVICE LOCATIONS, AND DETAILS. THE EXACT LOCATION OF THESE UTILITIES SHALL BE DETERMINED ON SITE BY THE CONTRACTOR. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO DMD & ASSOCIATES LTD. PRIOR TO ORDERING BASES.

LOCATING EQUIPMENT
FOR CLARITY CONDUITS, JUNCTION BOXES AND STREETLIGHT POLES MAY NOT BE SHOWN AT DESIGN OFFSETS. CONTRACTOR SHALL LOCATE ALL EQUIPMENT BASED ON STATIONS AND/OR OFFSETS AS NOTED AND SHALL NOT RELY ON COORDINATES OBTAINED FROM DMD DIGITAL DRAWINGS. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES TO DMD & ASSOCIATES LTD. PRIOR TO ORDERING EQUIPMENT.

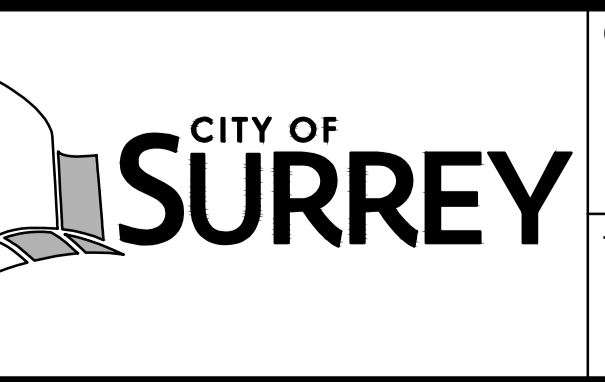
CAUTION!
EXCAVATION NEAR OVERHEAD UTILITY POLE
ANY UNDERGROUND EXCAVATION WITHIN SOIL FOUNDATION INTERACTION AREA REQUIRES TEMPORARY UTILITY POLE SUPPORT. REFER TO ESS5 E3-04 GUIDE FOR CIVIL EXCAVATION NEAR DISTRIBUTION POLES FOR DETAILS. REFER TO BC HYDRO WORK ON WOOD POLES MANUAL (ON SAFEHUB) AND BC HYDRO 2017-1-F POLE HOLDING REQUIREMENTS FOR APPROVED TEMPORARY POLE SUPPORT METHODS. FOR MORE INFORMATION CONTACT workmethods@bchydro.com

LEGAL DESCRIPTION		SURVEY BENCHMARK		SCALE	
REV.	DATE	DESCRIPTION	MON.	N.	E.
5					
4					
3					
2	MAY 05, 2020	ISSUED FOR TENDER			
1	MARCH 31, 2020	FIRST SUBMISSION			

"BY SEALING AND SIGNING THIS DRAWING, I CERTIFY THAT THE INFORMATION CONTAINED IN THESE DRAWINGS ACCURATELY REFLECTS THE ORIGINAL DESIGN, ADDENDA, CHANGE ORDERS AND MATERIAL DESIGN CHANGES MADE DURING CONSTRUCTION AND FIELD REVIEWED BY ME, OR MY REPRESENTATIVE, AND THAT THE AS-CONSTRUCTED WORKS SUBSTANTIALLY COMPLY WITH THE ORIGINAL DESIGN INTENT. HOWEVER, I DO NOT ACCEPT RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE AS-CONSTRUCTED INFORMATION SUPPLIED BY OTHERS CONTAINED IN THESE DRAWINGS."

CONSULTANT

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DMD PROJECT No. 6824-19-01 of 01



CLIENT

Aplin Martin
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V3W 3E9 Tel.: 604-597-9058

TITLE

MUP LIGHTING
24 AVENUE
ORCHARD GROVE PARK (16700 BLOCK)

SCALE	HOR. 1:500 VERT. 1:75	DATE (YYYY.MM.DD)	2020.03.15
DESIGNED	RAC	CONSULTANT PROJ. NO.	6924-20
DRAWN	TP	DWG. NO.	1
REVIEWED	DJW	REV.	2

SURREY PROJECT NUMBER

DRAWING TYPE

MUP LIGHTING