

INTERSECTION DESIGN CRITERIA		INTERSECTION DESIGN CRITERIA		INTERSECTION DESIGN CRITERIA	
PER: PoCo BYLAW No.2241 SCHEDULE B		PER: PoCo BYLAW No.2241 SCHEDULE B		PER: PoCo BYLAW No.2241 SCHEDULE B	
INTERSECTION (NAME)	KINGSWAY AVENUE / McLEAN AVENUE	INTERSECTION (NAME)	KINGSWAY AVENUE / BROADWAY STREET	INTERSECTION (NAME)	KINGSWAY AVENUE / COAST MERIDIAN ROAD
ROAD CLASSIFICATION	ARTERIAL / ARTERIAL	ROAD CLASSIFICATION	ARTERIAL / COLLECTOR	ROAD CLASSIFICATION	ARTERIAL / COLLECTOR
PEDESTRIAN CONFLICT	MEDIUM	PEDESTRIAN CONFLICT	MEDIUM	PEDESTRIAN CONFLICT	MEDIUM
ILLUMINANCE RECOMMENDED/DELIVERED	26.0 lux / 32.0 lux	ILLUMINANCE RECOMMENDED/DELIVERED	22.0 lux / 29.7 lux	ILLUMINANCE RECOMMENDED/DELIVERED	22.0 lux / 23.0 lux
UNIFORMITY RECOMMENDED/DELIVERED	3.0:1 / 2.5:1	UNIFORMITY RECOMMENDED/DELIVERED	3.0:1 / 2.9:1	UNIFORMITY RECOMMENDED/DELIVERED	3.0:1 / 2.7:1
LIGHT LOSS FACTOR	0.8	LIGHT LOSS FACTOR	0.8	LIGHT LOSS FACTOR	0.8
SPACING (STAGGERED)	AS SHOWN	SPACING (STAGGERED)	AS SHOWN	SPACING (STAGGERED)	AS SHOWN
EQUIPMENT:		EQUIPMENT:		EQUIPMENT:	
FIXTURE TYPE: LED	WATTAGE: 100W	MTG. HEIGHT: 9m	DIST TYPE: III	FIXTURE TYPE: LED	WATTAGE: 100W
IES FILE: RFM-100W60LED4K-G2-R3M	MODEL: RFM SERIES	IES FILE: RFM-100W60LED4K-G2-R3M	MODEL: RFM SERIES	IES FILE: RFM-100W60LED4K-G2-R3M	MODEL: RFM SERIES

ROADWAY LIGHTING DESIGN CRITERIA						
PER: PoCo BYLAW No.2241 SCHEDULE B						
ROADWAY (NAME)	KINGSWAY AVE - TYNER STREET TO McLEAN AVE	KINGSWAY AVE - McLEAN AVE TO BROADWAY ST	KINGSWAY AVE - BROADWAY TO LANGAN AVE	KINGSWAY AVE - LANGAN AVE TO COAST MERIDIAN RD	KINGSWAY AVE - COAST MERIDIAN RD TO MARY HILL	KINGSWAY AVE - MARY HILL TO KEBET WAY
ROAD CLASSIFICATION	ARTERIAL	ARTERIAL	ARTERIAL	ARTERIAL	ARTERIAL	ARTERIAL
PEDESTRIAN CONFLICT	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM
ILLUMINANCE RECOMMENDED/DELIVERED	13.0 lux / 17.6 lux	13.0 lux / 16.6 lux	13.0 lux / 17.1 lux	13.0 lux / 13.2 lux	13.0 lux / 16.2 lux	13.0 lux / 17.4 lux
UNIFORMITY RECOMMENDED/DELIVERED	3.0:1 / 2.0:1	3.0:1 / 2.7:1	3.0:1 / 3.0:1	3.0:1 / 2.7:1	3.0:1 / 2.9:1	3.0:1 / 2.7:1
LIGHT LOSS FACTOR	0.8	0.8	0.8	0.8	0.8	0.8
SPACING (STAGGERED)	35m (MAX - SAME SIDE)	42m (MAX - STAGGERED)	42m (MAX - SAME SIDE)	42m (MAX - SAME SIDE)	42m (MAX - MIXED)	65m (MAX - STAGGERED)
EQUIPMENT:						
FIXTURE TYPE: LED	WATTAGE: 100W	MTG. HEIGHT: 9.0m, 7.5m	DIST TYPE: III			
IES FILE: RFM-50W60LED4K-G2-R3M RFM-50W48LED4K-G2-R3M RFM-100W60LED4K-G2-R3M RFM-150W60LED4K-G2-R3M	MODEL: RFM SERIES					

INTERSECTION DESIGN CRITERIA		INTERSECTION DESIGN CRITERIA	
PER: PoCo BYLAW No.2241 SCHEDULE B		PER: PoCo BYLAW No.2241 SCHEDULE B	
INTERSECTION (NAME)	KINGSWAY AVENUE / LANGAN AVENUE	INTERSECTION (NAME)	KINGSWAY AVENUE / MARY HILL BYPASS
ROAD CLASSIFICATION	ARTERIAL / COLLECTOR	ROAD CLASSIFICATION	ARTERIAL / ARTERIAL
PEDESTRIAN CONFLICT	MEDIUM	PEDESTRIAN CONFLICT	MEDIUM
ILLUMINANCE RECOMMENDED/DELIVERED	22.0 lux / 22.1 lux	ILLUMINANCE RECOMMENDED/DELIVERED	26.0 lux / 29.5 lux
UNIFORMITY RECOMMENDED/DELIVERED	3.0:1 / 2.2:1	UNIFORMITY RECOMMENDED/DELIVERED	3.0:1 / 3.0:1
LIGHT LOSS FACTOR	0.8	LIGHT LOSS FACTOR	0.8
SPACING (STAGGERED)	AS SHOWN	SPACING (STAGGERED)	AS SHOWN
EQUIPMENT:		EQUIPMENT:	
FIXTURE TYPE: LED	WATTAGE: 100W	MTG. HEIGHT: 9m	DIST TYPE: III
IES FILE: RFM-100W60LED4K-G2-R3M	MODEL: RFM SERIES	IES FILE: RFM-100W60LED4K-G2-R3M	MODEL: RFM SERIES

WALKWAY LIGHTING DESIGN CRITERIA											
PER: PoCo BYLAW No.2241 SCHEDULE B											
WALKWAY (NAME)	MUP - 1	MUP - 2	MUP - 3	MUP - 4	MUP - 5	MUP - 6	MUP - 7	MUP - 8	MUP - 9	MUP - 10	MUP - 11
WALKWAY CLASSIFICATION	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM
LUMINANCE RECOMMENDED/DELIVERED	5.0 lux / 10.5 lux	5.0 lux / 6.5 lux	5.0 lux / 8.1 lux	5.0 lux / 6.6 lux	5.0 lux / 7.2 lux	5.0 lux / 7.3 lux	5.0 lux / 6.7 lux	5.0 lux / 8.3 lux	5.0 lux / 7.5 lux	5.0 lux / 6.6 lux	5.0 lux / 6.6 lux
UNIFORMITY RECOMMENDED/DELIVERED	4.0:1 / 1.8:1	4.0:1 / 2.7:1	4.0:1 / 2.9:1	4.0:1 / 3.6:1	4.0:1 / 4.0:1	4.0:1 / 2.9:1	4.0:1 / 2.7:1	4.0:1 / 2.2:1	4.0:1 / 2.4:1	4.0:1 / 2.4:1	4.0:1 / 2.4:1
LIGHT LOSS FACTOR	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
SPACING (ONE SIDED)	35m MAX					AS SHOWN	AS SHOWN	AS SHOWN	AS SHOWN	AS SHOWN	AS SHOWN
EQUIPMENT:											
FIXTURE TYPE: LED	WATTAGE: 15W	MTG. HEIGHT: 5m	DIST TYPE: II								
IES FILE: RFS-15W12LED3K-G2-R2M	MODEL: RFS SERIES										

WALKWAY LIGHTING DESIGN CRITERIA					
PER: PoCo BYLAW No.2241 SCHEDULE B					
WALKWAY (NAME)	MUP - 12	MUP - 13	MUP - 14	MUP - 15	MUP - 17
WALKWAY CLASSIFICATION	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM
LUMINANCE RECOMMENDED/DELIVERED	5.0 lux / 8.1 lux	5.0 lux / 7.3 lux	5.0 lux / 7.0 lux	5.0 lux / 6.5 lux	5.0 lux / 11.5 lux
UNIFORMITY RECOMMENDED/DELIVERED	4.0:1 / 1.9:1	4.0:1 / 2.3:1	4.0:1 / 2.8:1	4.0:1 / 2.5:1	4.0:1 / 3.5:1
LIGHT LOSS FACTOR	0.8	0.8	0.8	0.8	0.8
SPACING (STAGGERED)	AS SHOWN	AS SHOWN	AS SHOWN	AS SHOWN	AS SHOWN
EQUIPMENT:					
FIXTURE TYPE: LED	WATTAGE: 15W	MTG. HEIGHT: 5m	DIST TYPE: II		
IES FILE: RFS-15W12LED3K-G2-R2M	MODEL: RFS SERIES				

LEGEND

FUTURE	EXISTING	PROPOSED	FUTURE	EXISTING	PROPOSED

CITY STREET LIGHTING NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PORT COQUITLAM STANDARDS & SPECS. AND THE LATEST EDITION OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.
 - ALL FIXTURES ARE LED.
 - ALL POLES ARE TO BE GALVANIZED.
 - ALL STREET LIGHTS ARE TO BE 1.0M CLEAR OF ALL DRIVEWAYS.
 - CONTRACTOR TO COORDINATE WITH CITY OF PORT COQUITLAM ON THE LABELING OF THE STREET LIGHTS.
 - CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO ENSURE THAT ALL STREET LIGHT POLES ARE A MINIMUM OF 3.0M CLEAR OF ALL HYDRO POLES AND OVERHEAD PRIMARY WIRES, MINIMUM 2-METERS FROM BC HYDRO INFRASTRUCTURES, SUCH AS WOOD POLES, VAULTS, TUBS ETC, AND 1.0M CLEAR OF ALL OVERHEAD SECONDARY WIRES PRIOR TO INSTALLING BASES AND POLES.
 - LUMINAIRE FIXTURES SHALL BE NXT SERIES AS PER ELEVATION OR APPROVED EQUAL.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE ADEQUACY OF THE EXISTING STREET LIGHT SERVICE, CONDUIT AND CONDUCTORS AND MAKE ALL NECESSARY REPAIRS TO ADEQUATELY COMPLETE ALL CONNECTIONS IN THE EXISTING STREET LIGHTING SYSTEM.
- CLASS I DIV 1 LIGHT INSTALLATION NOTES:**
- IN AREAS SHOWN WITH TECK CABLE AND CLASS I DIV 1 LIGHTS ON POLES, AT EACH 5m POLE, INSTALL A TYPE 66 JB, THEN INSTALL A CLASS I DIV 1 JB INSIDE THIS JB. CROUSE HINDS SIZE GUB06, SECURED THE SIDE OF THE JUNCTION BOX, INSIDE THE CLASS I DIV 1 JB, INSTALL A GA IN-LINE FUSE AND FUSE HOLDER, TO LIGHT POLE INSTALL A 2C#14TECK CABLE DIRECTLY TO HEXF1 FIXTURE.

NOT FOR CONSTRUCTION

UTILITY OVERHEAD WIRING

THE CONTRACTOR SHALL ENSURE THAT ALL POLES AND APPURTENANCES WILL MEET THE STANDARDS FOR CLEARANCES PRIOR TO INSTALLING POLE BASES. STANDARDS ARE:

- BC HYDRO OVERHEAD DISTRIBUTION STANDARDS
- CANADIAN ELECTRICAL CODE STANDARD C22.3 No. 1-15 OVERHEAD SYSTEMS
- WORKSAFE BC PART 19 ELECTRICAL SAFETY OF THE OH&S REGULATIONS.

FIELD LAYOUT TO BE CONFIRMED WITH ENGINEER PRIOR TO CONSTRUCTION

IN THE EVENT OF ANY UTILITY CONFLICTS THE CONTRACTOR SHALL CONTACT GREAT NORTHERN ENGINEERING AT 1-855-463-2266 3 WORKING DAYS PRIOR TO PLANNED INSTALLATION TO ARRANGE FOR THE ENGINEER TO HELP RESOLVE ANY CONFLICTS AND PROVIDE DIRECTION

CHECK BEFORE YOU DIG

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. SOME UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.

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CLIENT
APLIN & MARTIN Ltd.

CLIENT PROJECT No. -

CITY

ENGINEERING & PUBLIC WORKS DEPARTMENT
PHONE: 604-927-3500

CITY PROJECT No. - CITY DRAWING No. -

Great Northern Engineering Consultants
EGBC PERMIT # 1001946

188-4664 LOUGHEED HWY
BURNABY, BC., V5C 5T5

SEAL

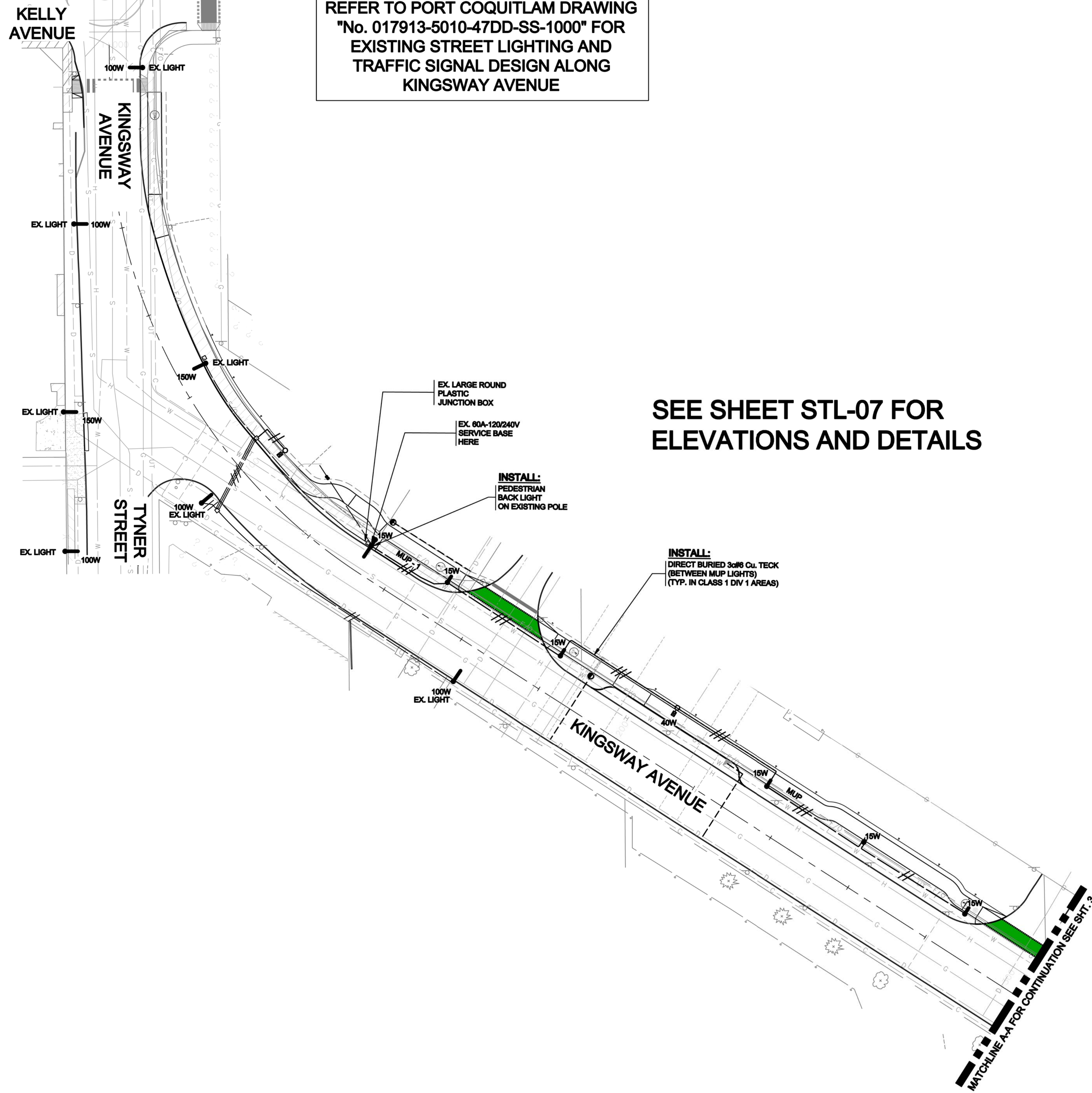
PTF#1001946
C. D. COMMANDEUR
23925
ENGINEER
2023-12-12

REVISION TABLE				
REV	DESCRIPTION	DSGN	APPR	DATE
0	FIRST SUBMISSION	NK	AH	20.09.08
1	UPDATES TO SUIT LATEST CIVIL/FORTIS/BCH	CC	KT	23.07.26
2	IFT SUBMISSION	CC	KT	23.08.18
3	FINAL SUBMISSION	CC	KT	23.12.12

PROJECT DESCRIPTION
**KINGSWAY AVENUE UPGRADES
TYNER STREET TO KEBET AVENUE**

DRAWING TITLE
MUP/STREET LIGHTING PLAN

GNEC No. 20BC-0083	DWG No. STL-01	SHT No. 1 of 7	REV 3
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REFER TO PORT COQUITLAM DRAWING
"No. 017913-5010-47DD-SS-1000" FOR
EXISTING STREET LIGHTING AND
TRAFFIC SIGNAL DESIGN ALONG
KINGSWAY AVENUE

SEE SHEET STL-07 FOR
ELEVATIONS AND DETAILS

NOT FOR CONSTRUCTION

REFER TO STL-01 FOR LIGHTING
RESULT TABLES

UTILITY OVERHEAD WIRING
THE CONTRACTOR SHALL ENSURE THAT ALL POLES AND APPURTENANCES WILL MEET THE STANDARDS FOR CLEARANCES PRIOR TO INSTALLING POLE BASES. STANDARDS ARE:

- BC HYDRO OVERHEAD DISTRIBUTION STANDARDS
- CANADIAN ELECTRICAL CODE STANDARD C22.3 No. 1-15 OVERHEAD SYSTEMS
- WORKSAFE BC PART 19 ELECTRICAL SAFETY OF THE OH&S REGULATIONS.

FIELD LAYOUT TO BE CONFIRMED WITH ENGINEER PRIOR TO CONSTRUCTION
IN THE EVENT OF ANY UTILITY CONFLICTS THE CONTRACTOR SHALL CONTACT GREAT NORTHERN ENGINEERING AT 1-855-463-2288
3 WORKING DAYS PRIOR TO PLANNED INSTALLATION
TO ARRANGE FOR THE ENGINEER TO HELP RESOLVE ANY CONFLICTS AND PROVIDE DIRECTION



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CLIENT
APLIN & MARTIN Ltd.

CLIENT PROJECT No. -

CITY
CITY OF PORT COQUITLAM
ENGINEERING & PUBLIC WORKS DEPARTMENT
PHONE: 604-927-3600

CITY PROJECT No. - CITY DRAWING No. -

Great Northern Engineering Consultants
EGBC PERMIT # 1001946

188-4664 LOUGHEED HWY
BURNABY, BC., V5C 5T5

SEAL

PTP#1001946

REVISION TABLE

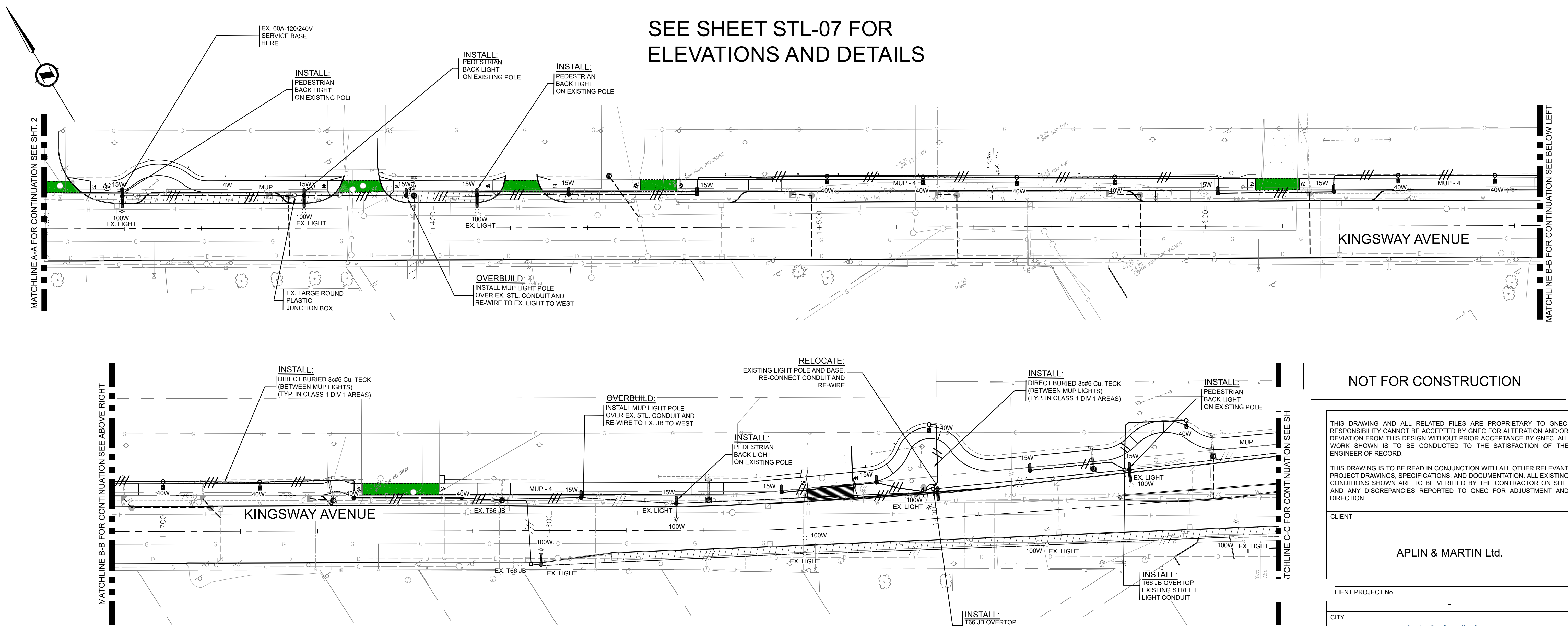
REV	DESCRIPTION	DSGN	APPR	DATE
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1	UPDATES TO SUIT LATEST CIVIL/FORTIS/BCH	CC	KT	23.07.28
2	IFT SUBMISSION	CC	KT	23.08.18
3	FINAL SUBMISSION	CC	KT	23.12.12

PROJECT DESCRIPTION
**KINGSWAY AVENUE UPGRADES
TYNER STREET AND KINGSWAY AVENUE**

DRAWING TITLE
MUP/STREET LIGHTING PLAN

0	1:500	GNEC No. 20BC-0083	DWG No. STL-02	SHT No. 2 of 7	REV 3
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SEE SHEET STL-07 FOR ELEVATIONS AND DETAILS



NOT FOR CONSTRUCTION

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CLIENT

APLIN & MARTIN Ltd.

CLIENT PROJECT No.

CITY

CITY OF PORT COQUITLAM
ENGINEERING & PUBLIC WORKS DEPARTMENT
PHONE: 604-927-3500

CITY PROJECT No.

CITY DRAWING No.

GNEC
Great Northern Engineering Consultants
EGBC PERMIT # 1001946

188-4664 LOUGHEED HWY
BURNABY, BC., V5C 5T5

SEAL
PTPR1001946
PROFESSIONAL ENGINEER
C. D. COMMANDEUR
23925
P. BRITISH COLUMBIA
ENGINEER
2023-12-12

NOT FOR CONSTRUCTION

REFER TO STL-01 FOR LIGHTING RESULT TABLES

BC OneCall
Call Before You Dig
1-800-474-6886
or *6886 by CELL
www.bconecall.ca

CHECK BEFORE YOU DIG

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FIELD LAYOUT TO BE CONFIRMED WITH ENGINEER PRIOR TO CONSTRUCTION

IN THE EVENT OF ANY UTILITY CONFLICTS THE CONTRACTOR SHALL CONTACT GREAT NORTHERN ENGINEERING AT 1-855-463-2266
3 WORKING DAYS PRIOR TO PLANNED INSTALLATION
TO ARRANGE FOR THE ENGINEER TO HELP RESOLVE ANY CONFLICTS AND PROVIDE DIRECTION

UTILITY OVERHEAD WIRING

THE CONTRACTOR SHALL ENSURE THAT ALL POLES AND APPURTENANCES WILL MEET THE STANDARDS FOR CLEARANCES PRIOR TO INSTALLING POLE BASES. STANDARDS ARE:

- BC HYDRO OVERHEAD DISTRIBUTION STANDARDS
- CANADIAN ELECTRICAL CODE STANDARD C22.3 No. 1-15 OVERHEAD SYSTEMS
- WORKSAFE BC PART 19 ELECTRICAL SAFETY OF THE OH&S REGULATIONS.

REVISION TABLE

REV	DESCRIPTION	DSGN	APPR	DATE
0	FIRST SUBMISSION	NK	AH	20.09.08
1	UPDATES TO SUIT LATEST CIVIL/FORTIS/BCH	CC	KT	23.07.26
2	IFT SUBMISSION	CC	KT	23.08.18
3	FINAL SUBMISSION	CC	KT	23.12.12

PROJECT DESCRIPTION

**KINGSWAY AVENUE UPGRADES
TYNER STREET TO KEBET AVENUE**

DRAWING TITLE

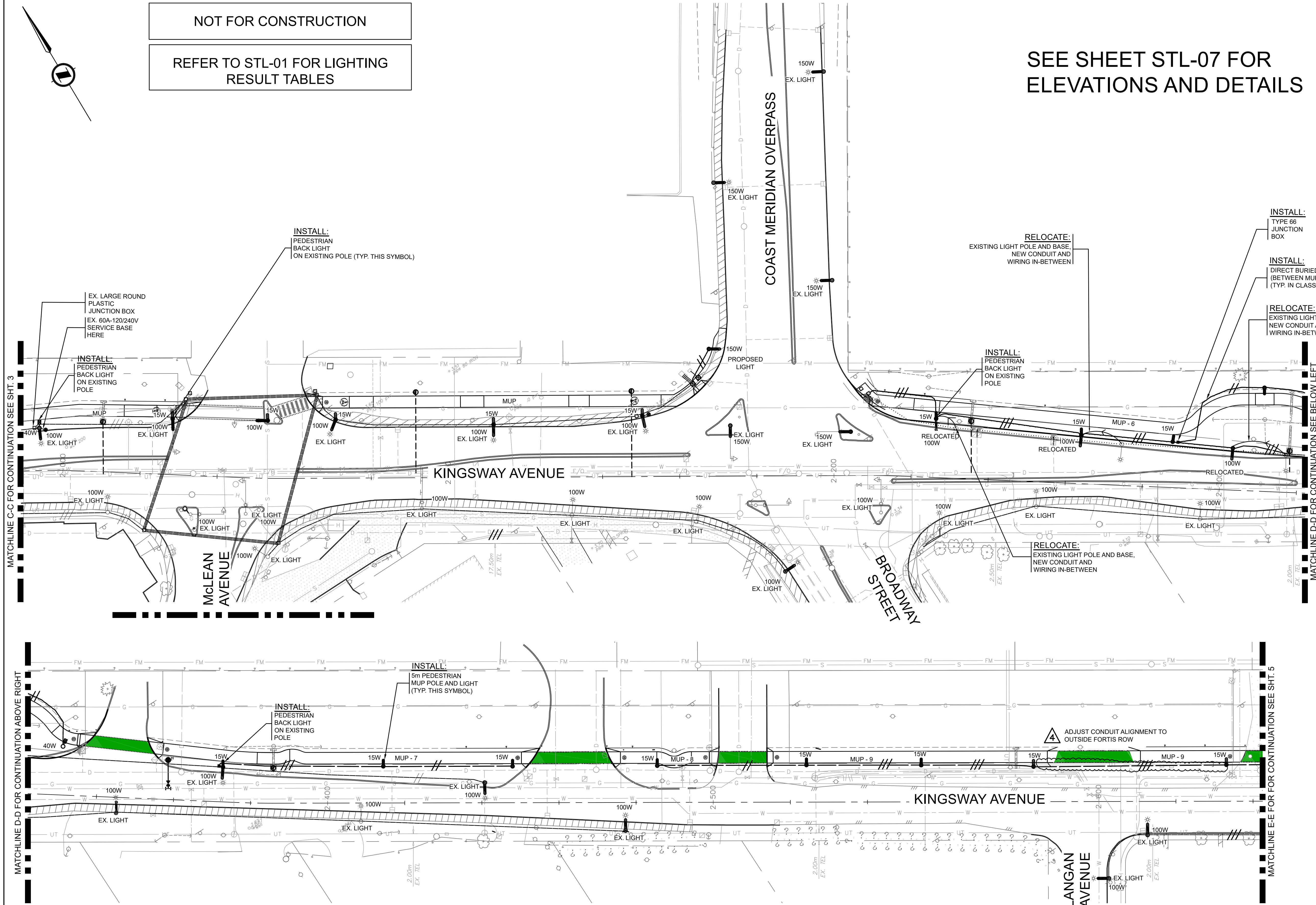
STREET LIGHTING

0 1:500 20 GNEC No. 20BC-0083 DWG No. STL-03 SHT No. 3 of 7 REV 3

NOT FOR CONSTRUCTION

REFER TO STL-01 FOR LIGHTING
RESULT TABLES

SEE SHEET STL-07 FOR
ELEVATIONS AND DETAILS



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CLIENT
APLIN & MARTIN Ltd.

CLIENT PROJECT No.

CITY OF
PORT COQUITLAM
ENGINEERING & PUBLIC WORKS DEPARTMENT
PHONE: 604-927-3500

CITY PROJECT No. CITY DRAWING No.

SEAL
GNEC
Great Northern Engineering Consultants
EGBC PERMIT # 1001946
188-4664 LOUGHEED HWY
BURNABY, BC., V5C 5T5

REV	DESCRIPTION	DSGN	APPR	DATE
0	FIRST SUBMISSION	NK	AH	20.09.08
1	UPDATES TO SUIT LATEST CIVIL/FORTIS/BCH	CC	KT	23.07.26
2	IFT SUBMISSION	CC	KT	23.08.18
3	FINAL SUBMISSION	CC	KT	23.12.12
4	CONDUIT ADJUSTMNET - AVOID FORTIS ROW	CC	KT	24.01.03

PROJECT DESCRIPTION
**KINGSWAY AVENUE UPGRADES
TYNER STREET TO KEBET AVENUE**

DRAWING TITLE
STREET LIGHTING

0	1:500	20	GNEC No. 20BC-0083	DWG No. STL-04	SHT No. 4 of 7	REV 4
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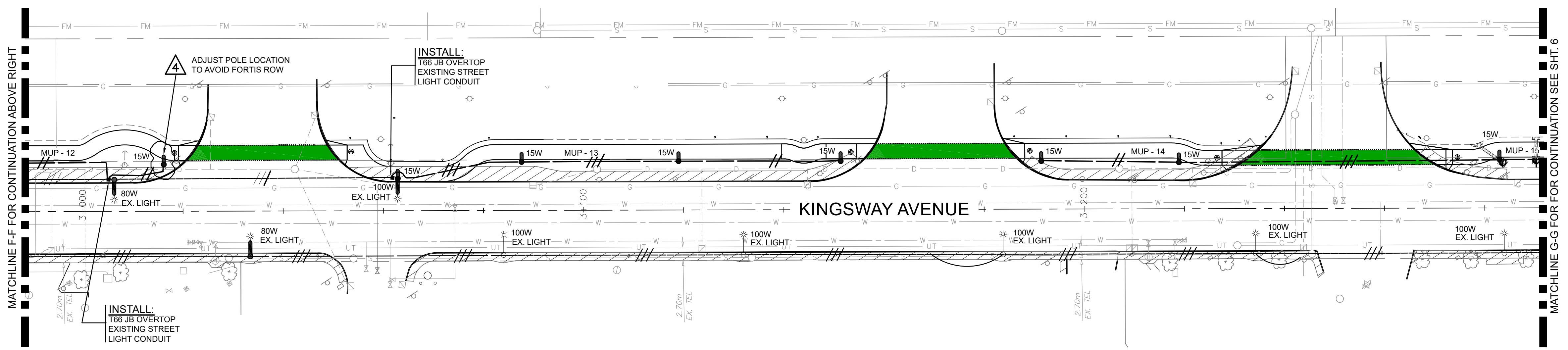
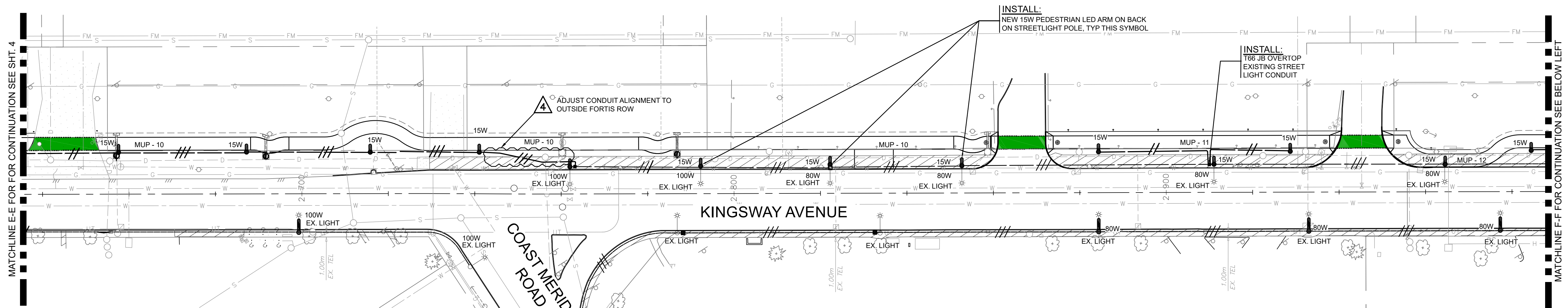
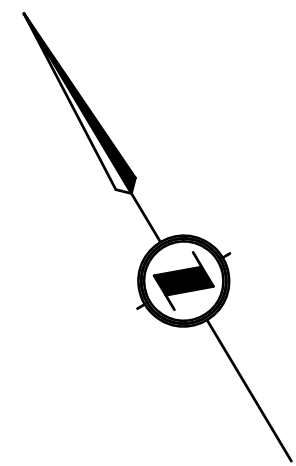
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**FIELD LAYOUT TO BE CONFIRMED WITH
ENGINEER PRIOR TO CONSTRUCTION**
IN THE EVENT OF ANY UTILITY CONFLICTS THE CONTRACTOR SHALL CONTACT GREAT NORTHERN ENGINEERING AT 1-855-463-2266
3 WORKING DAYS PRIOR TO PLANNED INSTALLATION
TO ARRANGE FOR THE ENGINEER TO HELP RESOLVE ANY CONFLICTS AND PROVIDE DIRECTION



CHECK BEFORE YOU DIG
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SEE SHEET STL-07 FOR ELEVATIONS AND DETAILS

NOT FOR CONSTRUCTION

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 or *6886 by CELL
 www.bconecall.ca

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- WORKSAFE BC PART 19 ELECTRICAL SAFETY OF THE OH&S REGULATIONS.

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CLIENT
APLIN & MARTIN Ltd.

CLIENT PROJECT No.
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CITY

 ENGINEERING & PUBLIC WORKS DEPARTMENT
 PHONE: 604-927-3500

CITY PROJECT No. - CITY DRAWING No. -

Great Northern Engineering Consultants
 EGBC PERMIT # 1001946

188-4664 LOUGHEED HWY
 BURNABY, BC., V5C 5T5

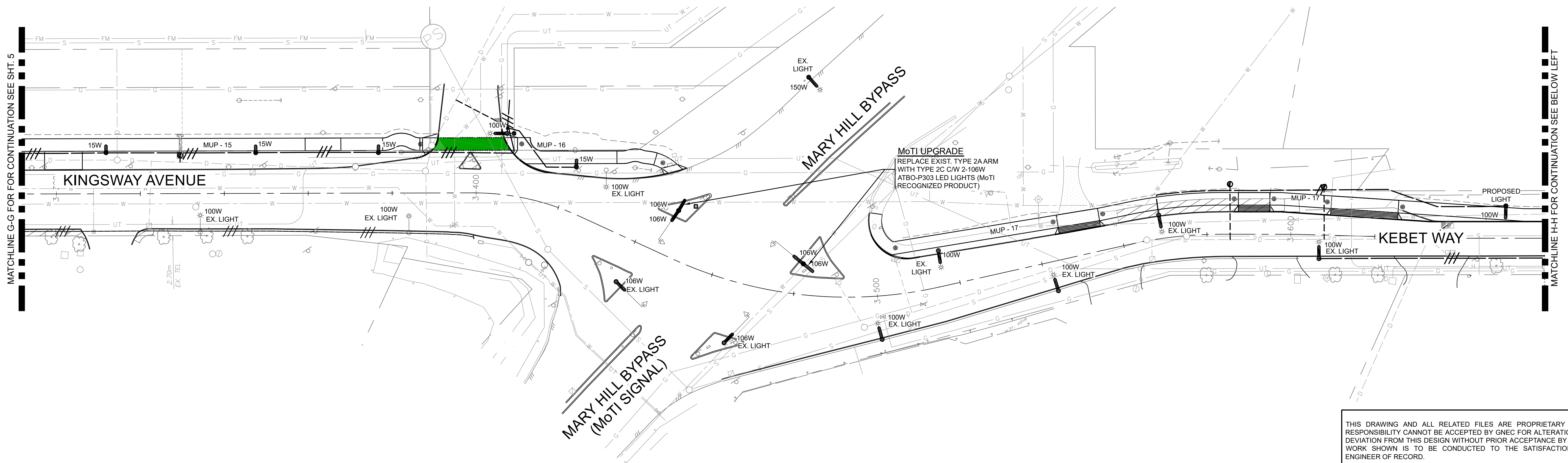
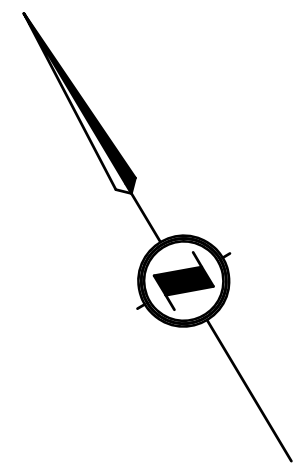
REVISION TABLE

REV	DESCRIPTION	DSGN	APPR	DATE
0	FIRST SUBMISSION	NK	AH	20.09.08
1	UPDATES TO SUIT LATEST CIVIL/FORTIS/BCH	CC	KT	23.07.26
2	IFT SUBMISSION	CC	KT	23.08.18
3	FINAL SUBMISSION	CC	KT	23.12.12
4	CONDUIT ADJUSTMNET - AVOID FORTIS ROW	CC	KT	24.01.03

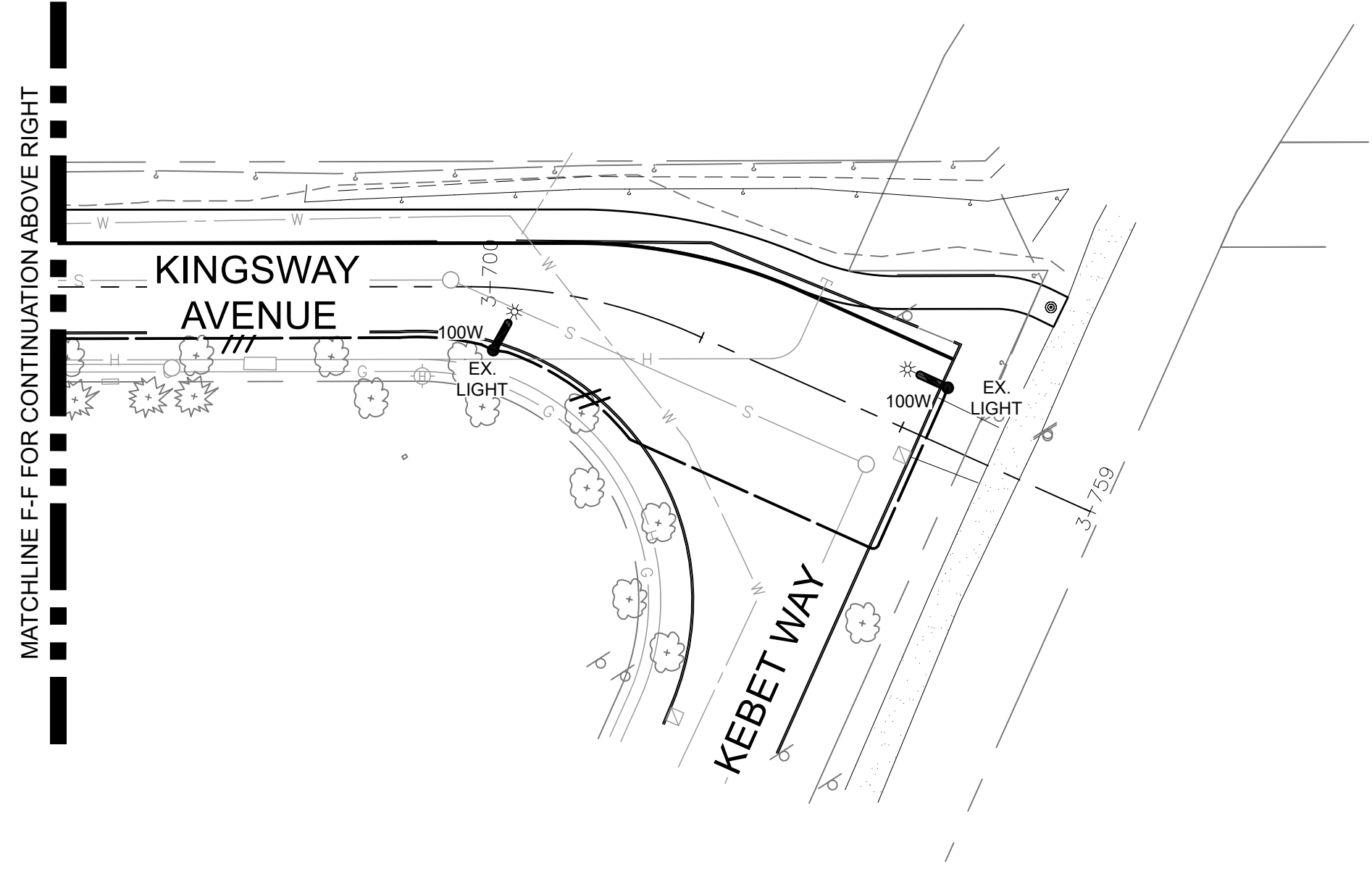
PROJECT DESCRIPTION
**KINGSWAY AVENUE UPGRADES
 TYNER STREET TO KEBET AVENUE**

DRAWING TITLE
STREET LIGHTING

0 1:500 20 GNEC No. 20BC-0083 DWG No. STL-05 SHT No. 5 of 7 REV 4



SEE SHEET STL-07 FOR ELEVATIONS AND DETAILS



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BURNABY, BC., V5C 5T5



PROFESSIONAL ENGINEER
C. U. COMMANDEUR
23925
2023-12-12

NOT FOR CONSTRUCTION

REFER TO STL-01 FOR LIGHTING RESULT TABLES



CHECK BEFORE YOU DIG

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. SOME UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.

FIELD LAYOUT TO BE CONFIRMED WITH ENGINEER PRIOR TO CONSTRUCTION

IN THE EVENT OF ANY UTILITY CONFLICTS THE CONTRACTOR SHALL CONTACT GREAT NORTHERN ENGINEERING AT 1-855-463-2266
3 WORKING DAYS PRIOR TO PLANNED INSTALLATION
TO ARRANGE FOR THE ENGINEER TO HELP RESOLVE ANY CONFLICTS AND PROVIDE DIRECTION

UTILITY OVERHEAD WIRING

THE CONTRACTOR SHALL ENSURE THAT ALL POLES AND APPURTENANCES WILL MEET THE STANDARDS FOR CLEARANCES PRIOR TO INSTALLING POLE BASES. STANDARDS ARE:

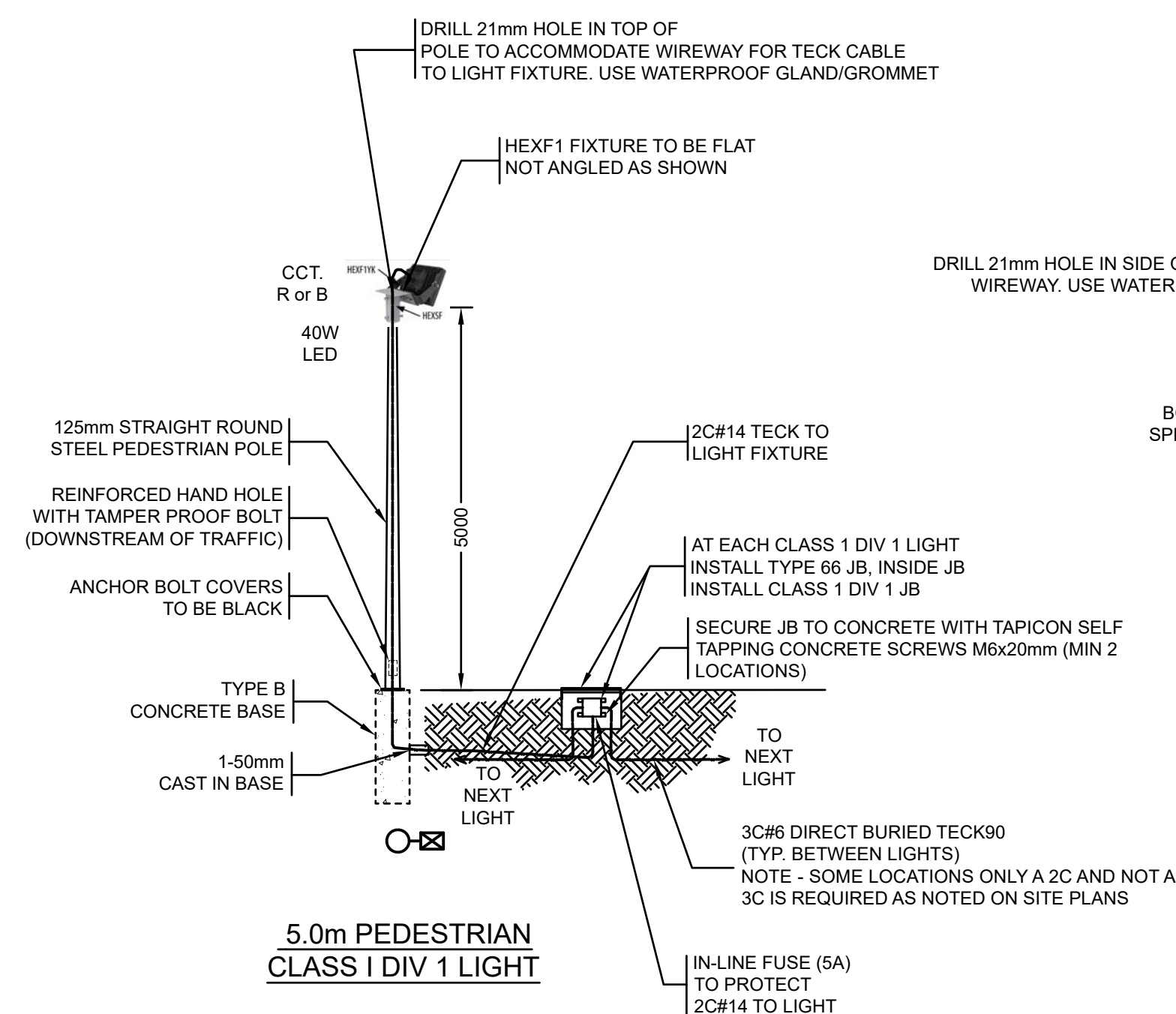
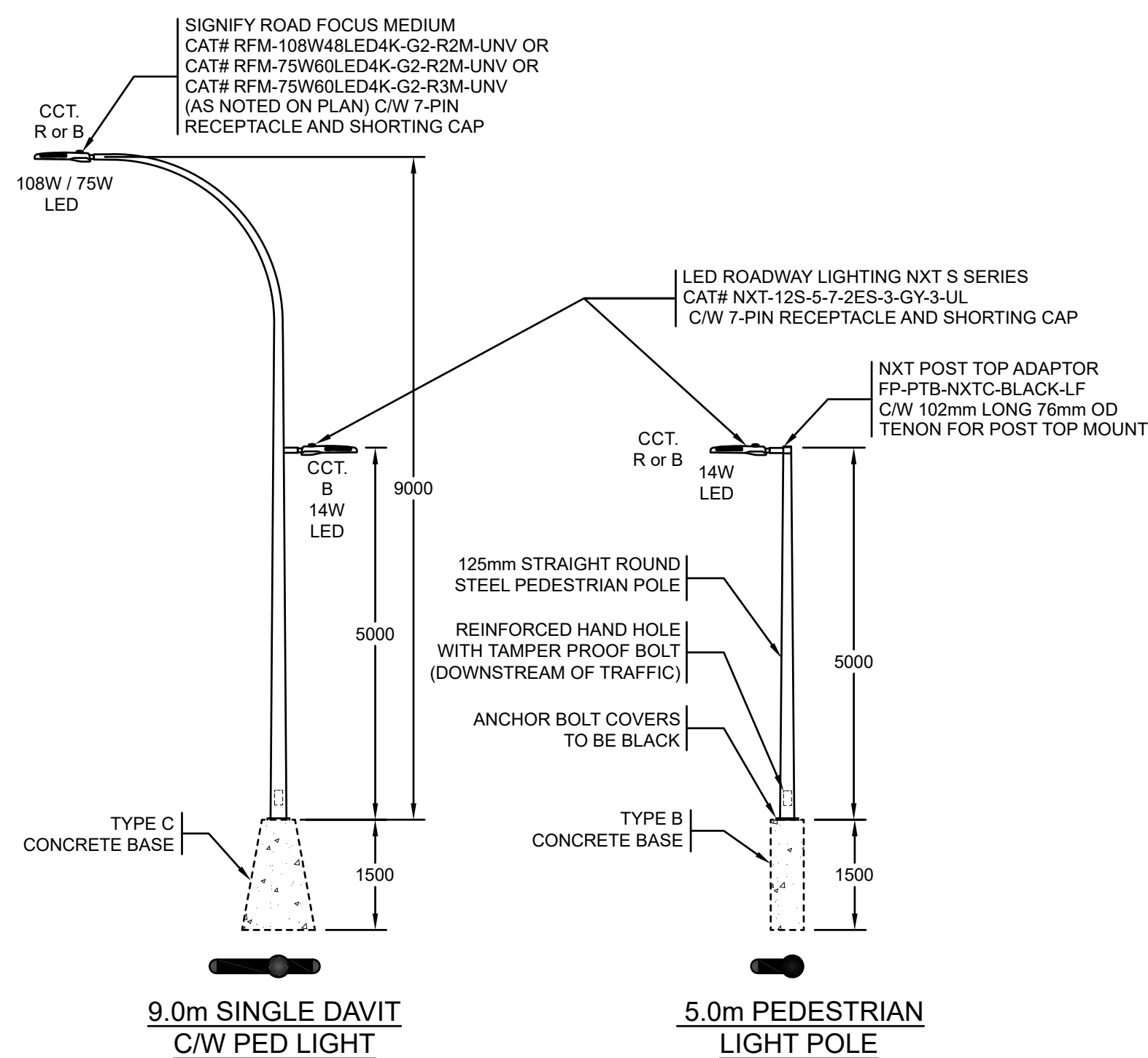
- BC HYDRO OVERHEAD DISTRIBUTION STANDARDS
- CANADIAN ELECTRICAL CODE STANDARD C22.3 No. 1-15 OVERHEAD SYSTEMS
- WORKSAFE BC PART 19 ELECTRICAL SAFETY OF THE OH&S REGULATIONS.

REVISION TABLE

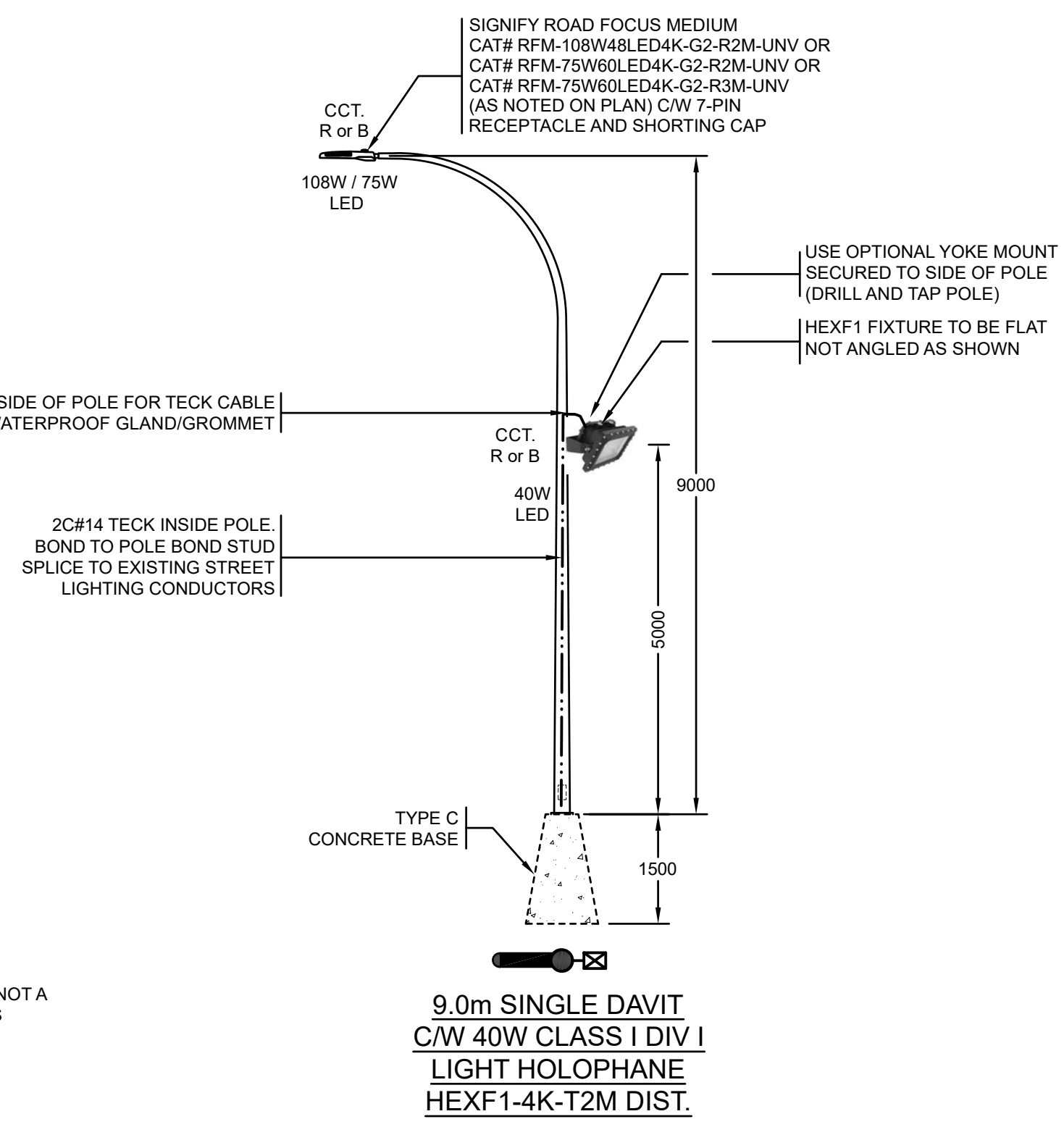
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PROJECT DESCRIPTION
KINGSWAY AVENUE UPGRADES TYNER STREET TO KEBET AVENUE

DRAWING TITLE
STREET LIGHTING



- SPECIAL CONSTRUCTION NOTES:**
1. ALL TECK CABLE TERMINATIONS TO USE STAR TECK (STX) HAZARDOUS LOCATION SERIES TO ENSURE CLASS I DIV 1 REQUIREMENTS MET.
 2. TECK CABLE TO BE 600V TYPE RW90.
 3. CLASS I DIV 1 JUNCTION BOX - CROUSE HINDS TYPE GUB06 SIZE.
 4. INSIDE GUB06 USE IN-LINE FUSE HOLDER AND 5A FUSE TO PROTECT THE 2C#14 TECK THAT RUNS INTO ADJACENT POLE UP AND INTO THE HEXF1 LIGHT FIXTURE.
 5. USE SEALED FITTINGS WITH THE GUB JUNCTION BOX TO SUIT TERMINATION OF THE TECK CABLE THAT MEETS CLASS I DIV 1 REQUIREMENTS.
 6. PLUG ALL UNUSED OPENINGS IN THE GUB JUNCTION BOX, PLUGS MUST ENGAGE MINIMUM OF 5 THREADS AND BE 1/8" MIN. THICKNESS.



NOT FOR CONSTRUCTION

**REFER TO STL-01 FOR LIGHTING
RESULT TABLES**

BC OneCall
Call Before You Dig
1-800-474-6886
or 6886 by CELL
www.bc1call.ca

CHECK BEFORE YOU DIG

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GNEC
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EGBC PERMIT # 1001946

188-4664 LOUGHEED HWY
BURNABY, BC., V5C 5T5

SEAL
PTP#1001946
C. U. COMMANDITEUR
23925
O. BRITISH
ENGINEER
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0	1:500	20	GNEC No. 20BC-0083	DWG No. STL-07	SHT No. 7 of 7	REV 3
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