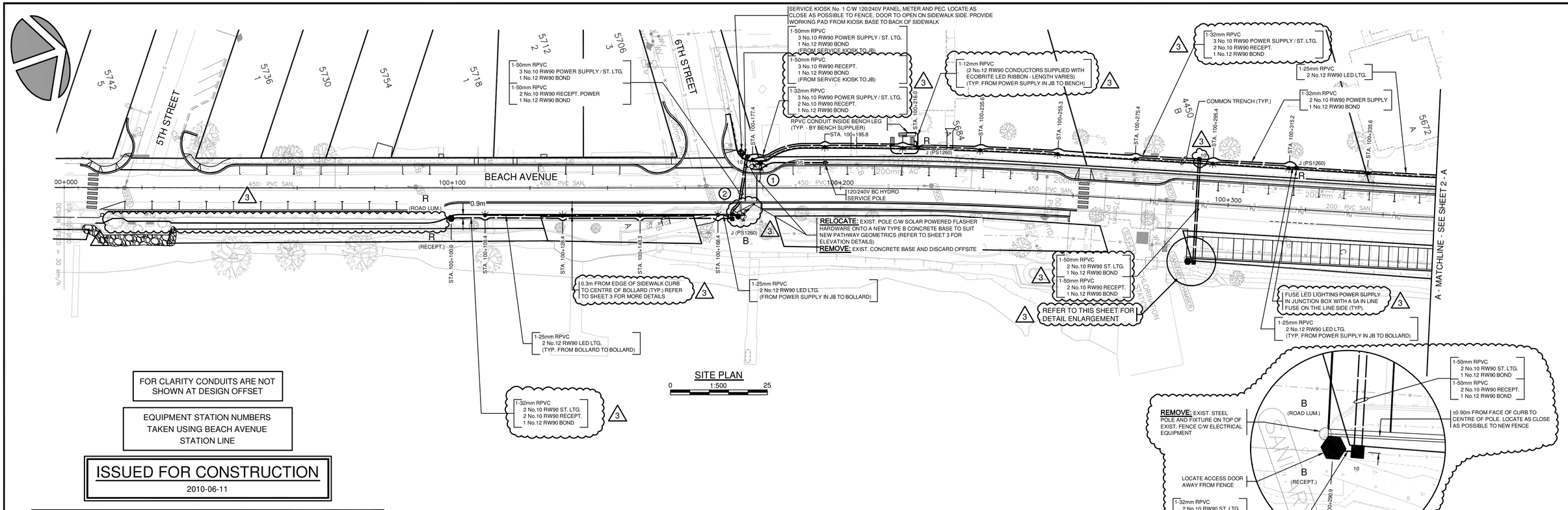
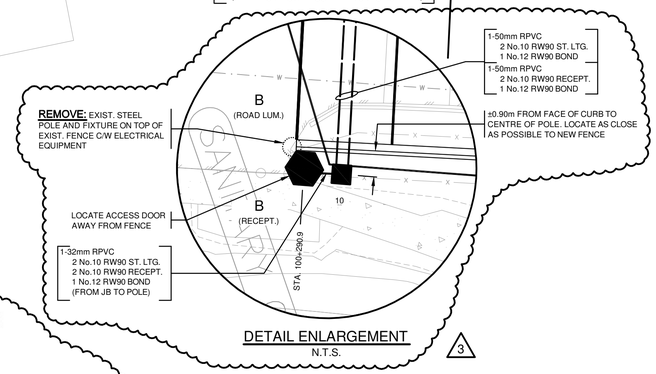




DETAIL ENLARGEMENT
N.T.S.

FOR CLARITY CONDUITS ARE NOT SHOWN AT DESIGN OFFSET

EQUIPMENT STATION NUMBERS TAKEN USING BEACH AVENUE STATION LINE

ISSUED FOR CONSTRUCTION
2010-06-11

CHECK BEFORE YOU DIG

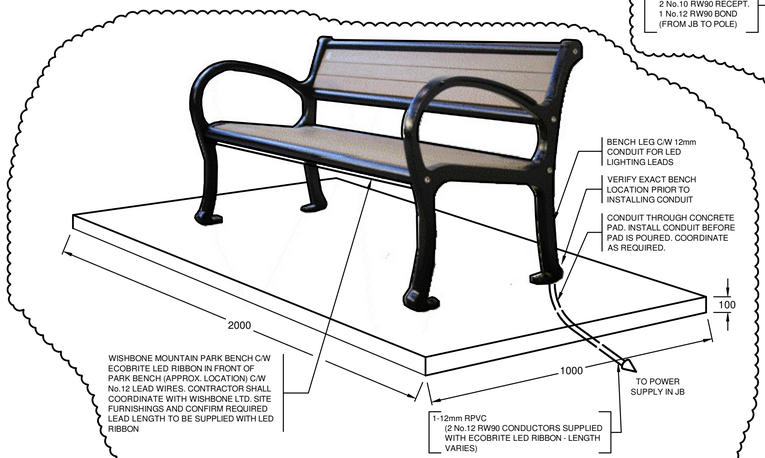
CONTRACTOR SHALL REFER TO MUNICIPAL RECORD / CIVIL DESIGN DRAWINGS FOR ALL OTHER UTILITIES, SERVICE LOCATIONS, AND DETAILS. THE EXACT LOCATION OF THESE UTILITIES SHALL BE DETERMINED ON SITE BY THE CONTRACTOR.

LEGEND

- PEACHLAND REVIT 4.9m POST TOP C/W LUMEC'S ANCESTRA AT10 LUMINAIRE (150W H.P.S.) ON A MODIFIED TYPE C CONCRETE BASE. VERIFY BOLT SIZE AND BCD PRIOR TO BASE CONSTRUCTION (REFER TO ELEVATIONS ON SHEET 3 FOR MORE DETAILS)
- PROPOSED RELOCATION OF EXISTING PEDESTRIAN ACTIVATED SOLAR POWERED FLASHER POLE C/W GROUND ON A NEW TYPE B CONCRETE BASE
- 10 — PROPOSED LARGE ROUND PLASTIC JUNCTION BOX (MoTI SPEC. TYPE 10) C/W GALVANIZED BOLT DOWN STEEL LID AND TAMPER-PROOF BOLT
- 14 — PROPOSED SMALL ROUND PLASTIC JUNCTION BOX (MoTI SPEC. TYPE 14) C/W GALVANIZED BOLT DOWN STEEL LID AND TAMPER-PROOF BOLT (3)
- J (PS1260) — PROPOSED LARGE ROUND PLASTIC JUNCTION BOX (MoTI SPEC. TYPE 10) C/W GALVANIZED BOLT DOWN STEEL LID AND TAMPER-PROOF BOLT. No. IN BRACKETS REFER TO POWER SUPPLY FOR LED FIXTURES PS1260 (60 WATTS MAX). POWER SUPPLY SHALL BE PROTECTED WITH A 5A IN LINE FUSE ON THE LINE SIDE. REFER TO SHEET 4 FOR MORE DETAILS
- T — PROPOSED SMALL CONCRETE JUNCTION BOX (MMCD TYPE 3?, 2 SECTIONS DEEP) C/W GALVANIZED STEEL LID MARKED "TREE RECEPT." REFER TO SHEET 4 FOR SPLICING DETAIL IN JUNCTION BOX (JUNCTION BOX SHALL BE INSTALLED BEHIND CURB AND NOT IN THE MIDDLE OF THE BIOSWALE)
- J — EXISTING JUNCTION BOX
- PROPOSED WISHBONE LTD. SITE FURNISHINGS MODENA LED BOLLARD MODEL MLB-5 (1.8W @ 12V DC) (REFER TO SHEET 4 FOR CONCRETE BASE DETAILS)
- PROPOSED WISHBONE LTD. SITE FURNISHINGS MOUNTAIN CLASSIC PARK BENCH C/W ECOBRITE LED RIBBON UNDER BENCH (5.5W @ 12V DC) (CONTRACTOR SHALL PROVIDE WIRING CONDUIT AND CONNECTION ONLY) (REFER TO THIS SHEET FOR MORE DETAILS)
- PROPOSED 120/240V SERVICE KIOSK C/W METER AND CONCRETE WORKING PAD (REFER TO SHEET 4 FOR MORE DETAILS)
- PROPOSED DECORATIVE DUPLEX RECEPTACLE IN WATER-RESISTANT BOX (300W MAX.) (REFER TO SHEET 4 FOR MORE DETAILS)
- R — LUMINAIRE/RECEPTACLE/POWER SUPPLY ON RED PHASE CONDUCTOR
- B — LUMINAIRE/RECEPTACLE/POWER SUPPLY ON BLACK PHASE CONDUCTOR
- EXISTING 1-50mm R.PVC CONDUIT (EMPTY)
- PROPOSED R.PVC CONDUIT AND CONDUCTORS
- PROPOSED 32mm R.PVC CONDUIT C/W 3 No. 6 RW90 TREE RECEPTACLE POWER AND 1 No. 8 RW90 BOND (UNLESS OTHERWISE NOTED)
- PROPOSED 2C No.10 TECK 90 CABLE FOR TREE RECEPTACLE
- DS — PROPOSED 1-75mm R.PVC DIP SERVICE CONDUIT (CONDUCTORS BY BC HYDRO)

NOTES

1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2000 MASTER MUNICIPAL CONSTRUCTION DOCUMENT AND THESE DRAWINGS.
2. CONDUCTORS INSIDE POLES SHALL BE:
   No.12 RW90 X-LINK
   No.12 RW90 BOND
3. CONDUCTORS INSIDE BOLLARDS SHALL BE:
   No.12 RW90 X-LINK
4. A TRON HEB AA WATER-RESISTANT FUSE HOLDER, C/W A 10A BUSS KTK FUSE AND 2 `L' TYPE INSULATING BOOTS, SHALL BE INSTALLED IN EACH LUMINAIRE AND POLE RECEPTACLE LIVE CONDUCTOR IN THE HANDHOLE.
5. A TRON HEB AA WATER-RESISTANT FUSE HOLDER, C/W A 10A BUSS KTK FUSE AND 2 `L' TYPE INSULATING BOOTS, SHALL BE INSTALLED IN EACH TREE RECEPTACLE LIVE CONDUCTOR IN THE CONCRETE TREE JUNCTION BOX.
6. A TRON HEB AA WATER-RESISTANT FUSE HOLDER, C/W A 5A BUSS KTK FUSE AND 2 `L' TYPE INSULATING BOOTS, SHALL BE INSTALLED IN EACH POWER SUPPLY LIVE CONDUCTOR IN THE CONCRETE JUNCTION BOX C/W POWER SUPPLY UNIT.
7. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT LAYOUT.
8. BOND ALL LUMINAIRES WITH No.12 RW90 BOND CONDUCTOR FROM THE BOND AT THE HANDHOLE.
9. ALL CONDUCTORS SHALL BE STRANDED COPPER, TYPE RW90(XLPE) INSULATED AND COLOUR CODED.
10. ALL COMMON CIRCUIT WIRING SHALL BE TAPED TOGETHER & TAGGED AS NOTED IN SPECIFICATIONS.
11. PATHWAY BOLLARDS SHALL BE WISHBONE LTD. SITE FURNISHINGS MODENA LED BOLLARD. CONFIRM EXACT BOLLARD COLOUR & LOCATION WITH THE DISTRICT PRIOR TO CONCRETE BASE INSTALLATION.
12. NEW STREETLIGHT POSTS SHALL BE LUMEC'S ANCESTRA AT10 SERIES. LUMINAIRE MODEL No. 150HPS-AT10-PC-C-SHA3M-TTA/120-GN4TX-LMS-11806A. POLE MODEL No. R804-16-DR-PSD16-GN4TX-LMS-11806A.
13. SEE B.C. HYDRO REGULATIONS FOR SERVICE CONNECTION DETAILS.
14. CONTRACTOR SHALL ARRANGE FOR EXACT SERVICE LOCATION WITH B.C. HYDRO PRIOR TO COMMENCING CONSTRUCTION.
15. CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES PRIOR TO CONSTRUCTION.
16. MINIMUM DEPTH FOR UNDERGROUND DUCT SHALL BE 0.6m IN BOULEVARDS AND 0.9m BELOW FINISHED GRADE OF ROADWAY.
17. THE CONTRACTOR SHALL SUPPLY THE DISTRICT WITH A MINIMUM OF 3 (THREE) SETS OF TAMPER-PROOF BOLT AND TOOL / KEYS.
18. CONTRACTOR SHALL PROVIDE ONE SET OF POLE, LUMINAIRE AND BOLLARD SHOP DRAWING TO DMD & ASSOCIATES PRIOR TO ORDERING EQUIPMENT.



LED BENCH WITH LED DETAIL
N.T.S.

NOTES:

1. EXACT CONDUIT LOCATION/ROUTING THROUGH BENCH PAD VARIES. REFER TO SITE PLANS FOR APPROXIMATE ROUTING.
2. VERIFY EXACT BENCH LOCATION PRIOR TO DRILLING AND INSTALLING CONDUIT.
3. CONTRACTOR TO COORDINATE WITH WISHBONE LTD. SITE FURNISHINGS FOR REQUIRED LENGTH AND SIZE OF CONDUCTORS FOR BENCHES PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT.

DMD & Associates Ltd.
#12-17358 104A Avenue
Surrey, BC, Canada V4N 5M3
www.dmdeng.com 604/589-9010
office@dmdeng.com Fax 604/589-9012

DESIGNED	JORGE MONCADA
DRAWN	DENNIS ST. HILAIRE
CHECKED	NEIL BRIGHT
DATE	2010-03-15
SCALE:	AS SHOWN

SEAL
JUN 2 1 2010
B. J. WONG

No.	DATE	BY	CHK'D	REVISION
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2	2010-05-25	NB		ADDENDUM #1
3	2010-06-11	JDM		ISSUED FOR CONSTRUCTION

DRAWING REFERENCE

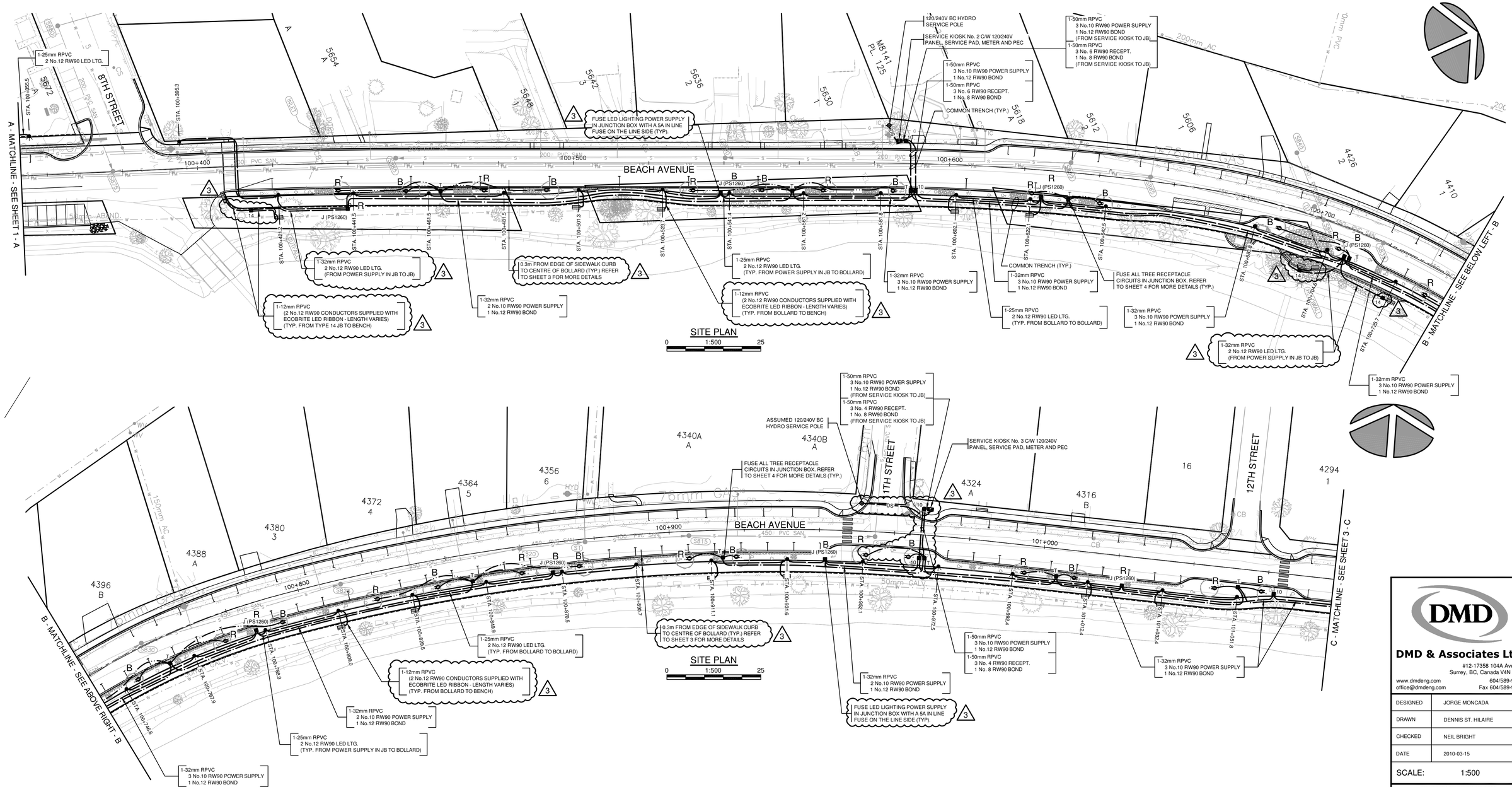
Urban Systems Ltd., Kelowna
#304 - 1353 Ellis Street, Kelowna, BC V1Y 1Z9 Tel: (250) 762-2517

PATHWAY LIGHTING - SITE PLAN - NOTES - LEGEND - DETAILS
BEACH AVENUE
MULTI-USE CORRIDOR
PEACHLAND, BC

PROJECT No.	SHEET No.	REVISION
2870-09-01 of 04	1 of 4	3

CANCEL PRINTS BEARING PREVIOUS LETTER

DMD.dgn



EQUIPMENT STATION NUMBERS TAKEN USING BEACH AVENUE STATION LINE

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2010-06-11

CHECK BEFORE YOU DIG

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MAXIMUM LOAD PER TREE RECEPTACLE SHALL BE 300W

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www.dmdeng.com 604/589-9010
office@dmdeng.com Fax 604/589-9012

DESIGNED	JORGE MONCADA
DRAWN	DENNIS ST. HILAIRE
CHECKED	NEIL BRIGHT
DATE	2010-03-15

SCALE: 1:500

SEAL
JUN 2 1 2010
B. J. WONG

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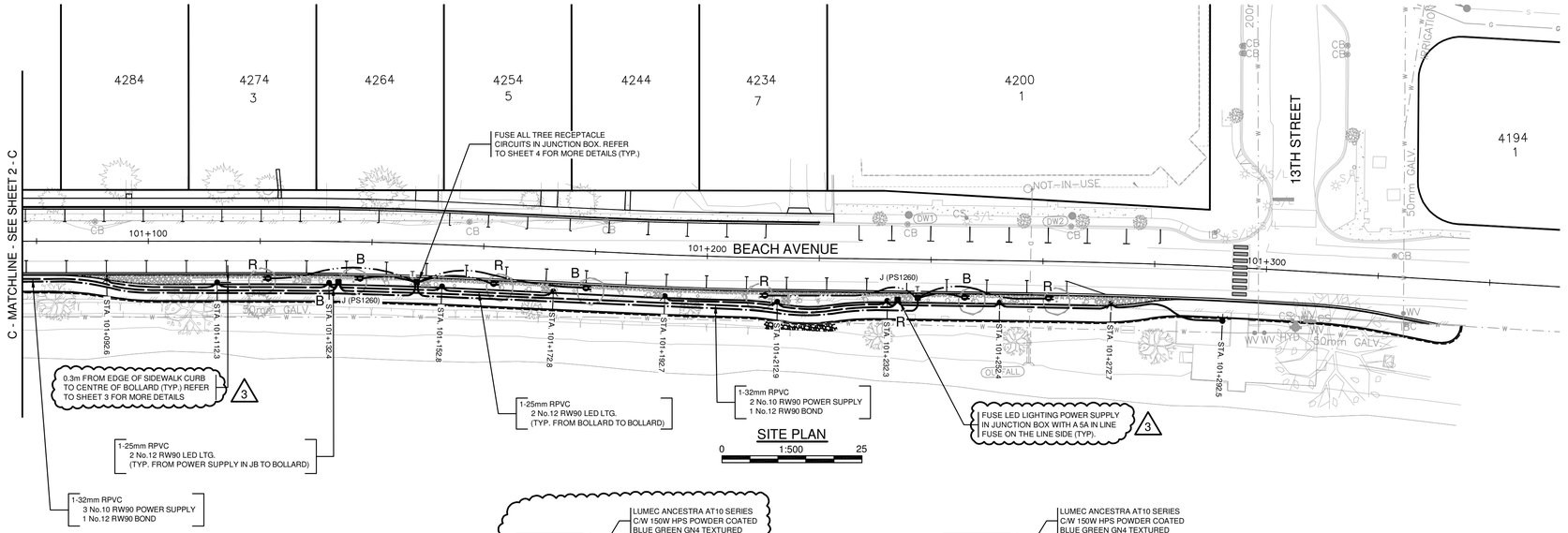
#304 - 1353 Ellis Street, Kelowna, BC V1Y 1Z9 Tel: (250) 762-2517

PATHWAY LIGHTING - SITE PLANS
BEACH AVENUE
MULTI-USE CORRIDOR
PEACHLAND, BC

PROJECT No.	SHEET No.	REVISION
2870-09-02 of 04	2 of 4	3

CANCEL PRINTS BEARING PREVIOUS LETTER

DMD (2010)



SITE PLAN
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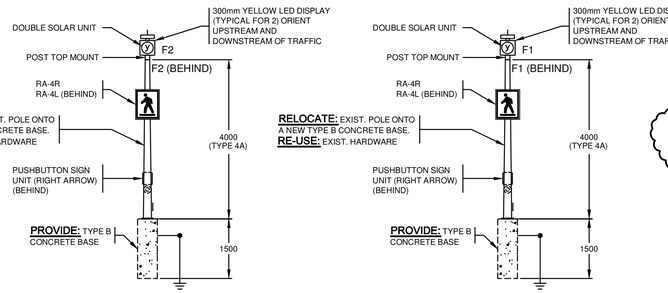
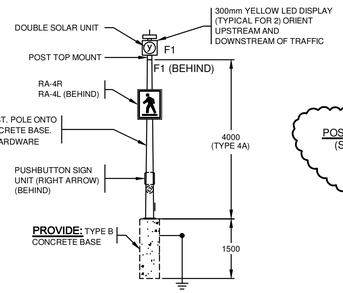
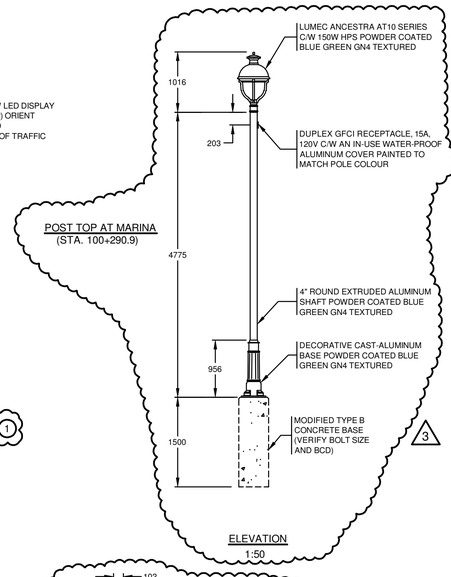
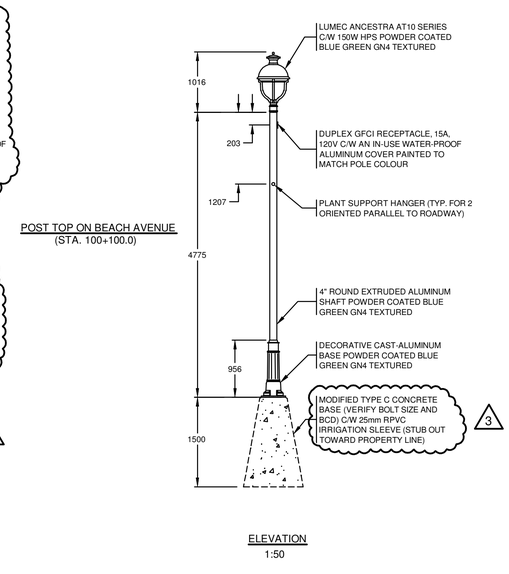




ELEVATIONS
0 1:75 5

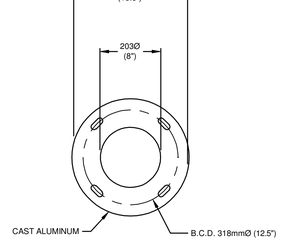


ELEVATION
1:50



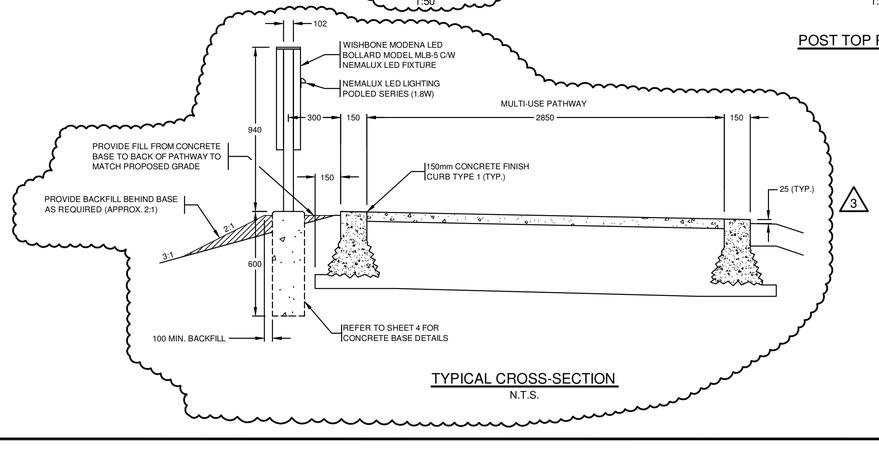
ELEVATION
1:50

STEEL ANCHOR BOLTS 3/4" x 20"
(SUPPLIED BY LUMEC)



ANCHOR PLATE DETAIL
1:10

POST TOP POLE DETAILS



TYPICAL CROSS-SECTION
N.T.S.

EQUIPMENT STATION NUMBERS TAKEN USING BEACH AVENUE STATION LINE

ISSUED FOR CONSTRUCTION
2010-06-11

MAXIMUM LOAD PER TREE RECEPTACLE SHALL BE 300W

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DESIGNED	JORGE MONCADA
DRAWN	DREW MERRYMAN
CHECKED	NEIL BRIGHT
DATE	2010-03-15
SCALE:	AS SHOWN

SEAL
JUN 2 1 2010
B. J. WONG

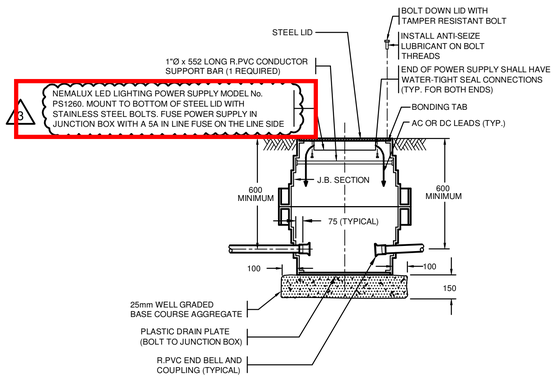
Urban Systems Ltd., Kelowna
#304 - 1353 Ellis Street, Kelowna, BC V1Y 1Z9 Tel: (250) 762-2517

PATHWAY LIGHTING - SITE PLAN - ELEVATIONS - DETAIL
BEACH AVENUE
MULTI-USE CORRIDOR
PEACHLAND, BC

PROJECT No.	SHEET No.	REVISION
2870-09-03 of 04	3 of 4	2

CANCEL PRINTS BEARING PREVIOUS LETTER

DMD (2010)

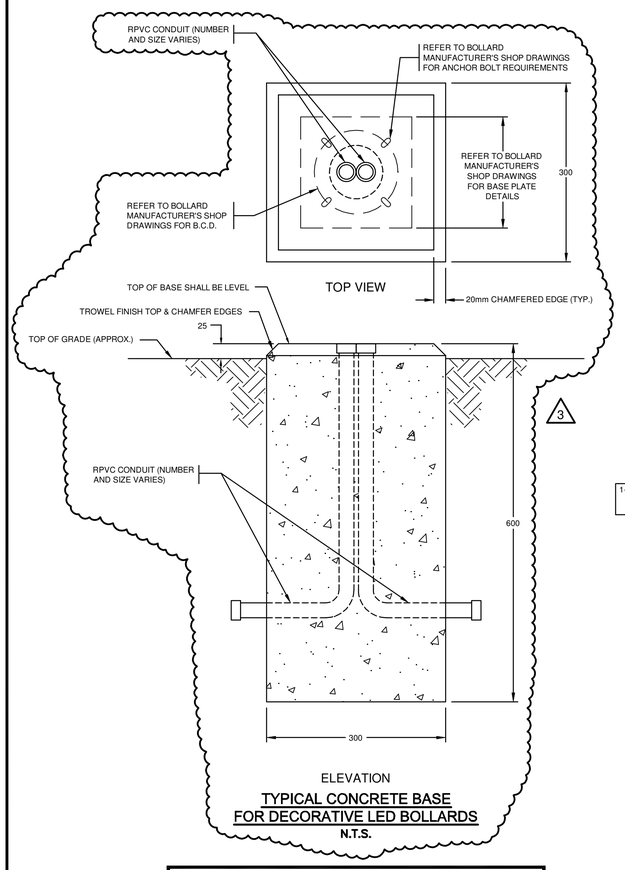


NOTES

1. J.B. SHALL BE MINISTRY SPEC. No.10 J.B. C/W 2 SECTIONS AND GALVANIZED STEEL LID.
2. STEEL LID SHALL BE BONDED TO GROUND.
3. HOLD DOWN TAMPER RESISTANT BOLTS SHALL BE PROVIDED FOR STEEL LID.
4. TOOL/KEY FOR STEEL LID BOLTS SHALL BE SUPPLIED TO THE DISTRICT OF PEACHLAND.

TYPICAL JUNCTION BOX DETAIL

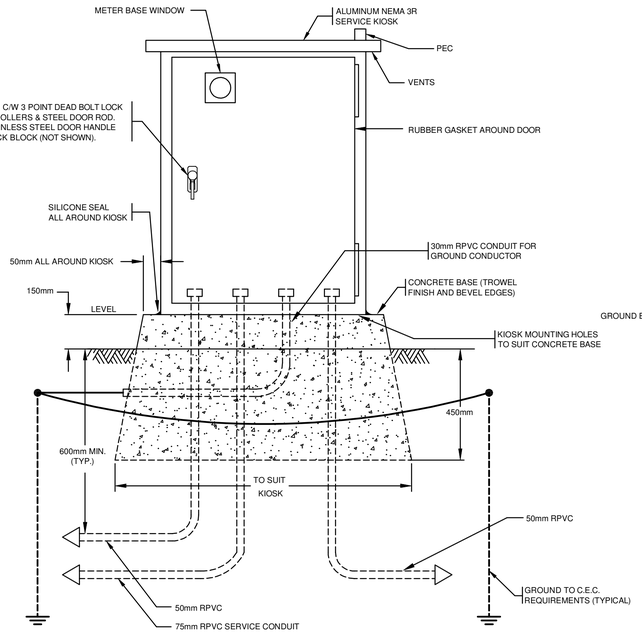
N.T.S.



TYPICAL CONCRETE BASE FOR DECORATIVE LED BOLLARDS

N.T.S.

VERIFY B.C.D., BASEPLATE, AND ANCHOR BOLT REQUIREMENTS WITH BOLLARD MANUFACTURER PRIOR TO CONSTRUCTION OF CONCRETE BASES

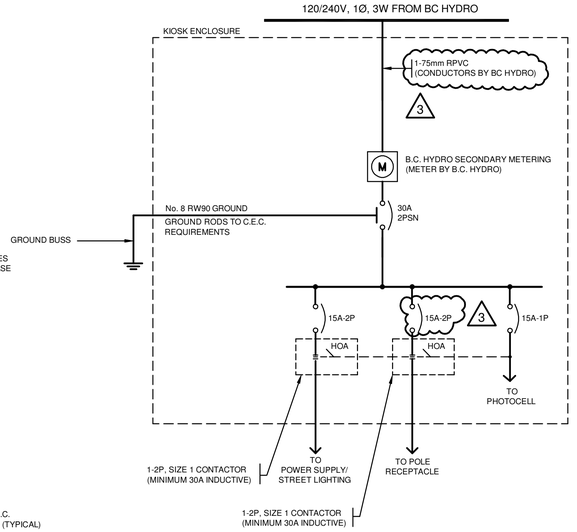


TYPICAL SERVICE KIOSK DETAIL

N.T.S.

KIOSK NOTES:

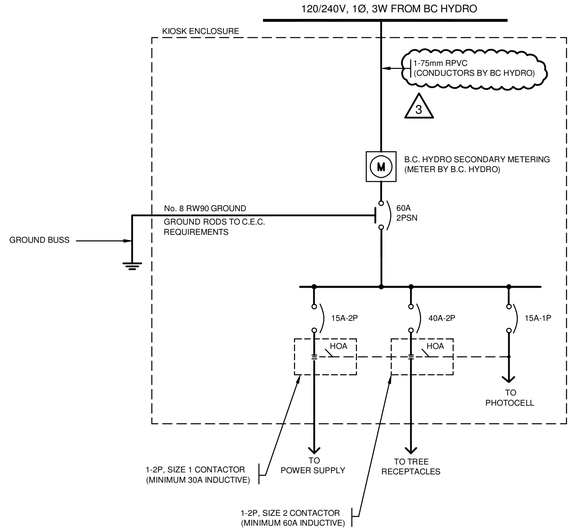
1. CONTRACTOR SHALL SUPPLY KIOSK SHOP DRAWINGS FOR APPROVAL PRIOR TO MANUFACTURING.
2. DOOR SHALL BE DOUBLE SKIN. DOOR SHALL HAVE A 3 POINT LATCHING SYSTEM ALONG WITH STAINLESS DOOR HANDLE CAPABLE OF ACCEPTING A PADLOCK. DOOR HANDLE SHALL BE CAPABLE FOR DOUBLE PAD LOCKING. DOOR HINGES SHALL BE SOLID SINGLE POINT BUSHING TYPE WITH A GREASE FITTING. DOOR SHALL HAVE A FIXED DOOR STOP. DOOR SHALL BE GASKETED AND FIT TIGHT TO THE CABINET.
3. ALL EXTERIOR SEAMS SHALL BE CONTINUOUSLY WELDED. ALL EXTERIOR WELDS SHALL BE SMOOTH. CABINET AND DOOR SHALL HAVE NO SHARP EDGES.
4. KIOSK SHALL BE DESIGNED TO ATTACH TO A CONCRETE BASE. KIOSK SHALL BE SECURED TO CONCRETE BASE WITH A MINIMUM OF 6 CONCRETE INSERTS.
5. CONCRETE SHALL HAVE A STRENGTH OF 25Mpa AT 28 DAYS.
6. LOCATE CONDUITS IN CONCRETE BASE TO SUIT KIOSK EQUIPMENT.
7. ALL NUTS, BOLTS, WASHERS AND SCREWS SHALL BE STAINLESS STEEL.
8. ALL WIRING SHALL BE STRANDED COPPER AND SHALL BE COLOUR CODED NEATLY ROUTED, TY-RAPPED AND LABELED.
9. KIOSK AND INTERNAL COMPONENTS SHALL BE CSA APPROVED.
10. KIOSK AND DOOR SHALL BE FABRICATED USING CNC EQUIPMENT.
12. KIOSK SHALL MEET THE APPROVAL OF THE PROVINCIAL ELECTRICAL INSPECTOR AND SHALL BARE A 'PROVINCIAL INSPECTION' STICKER.
12. ALL DEVICES INSIDE KIOSK SHALL HAVE LAMICOID NAME PLATES INDICATING VOLTAGES AND LABELING ALL EQUIPMENT.
13. A TYPE WRITTEN PANEL DIRECTORY SHALL BE LOCATED ON THE INSIDE OF THE PANEL DOOR.
14. ALL BREAKERS SHALL BE RATED AT A MINIMUM OF 10,000 AIC.
15. KIOSK SHALL BE POWDER COATED, VERIFY COLOUR WITH THE DISTRICT OF PEACHLAND PRIOR TO ORDERING KIOSK.



SINGLE LINE DIAGRAM - KIOSK No. 1

N.T.S.

MAXIMUM LOAD PER TREE RECEPTACLE SHALL BE 300W

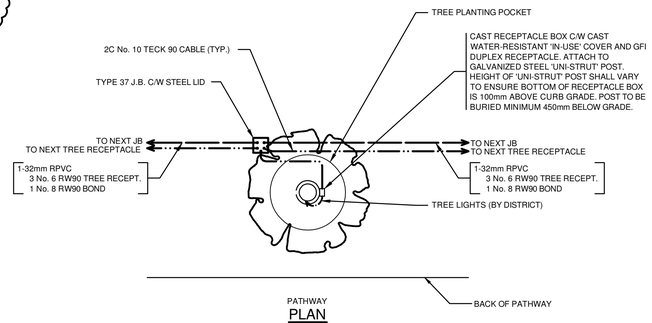


SINGLE LINE DIAGRAM - KIOSK No'S. 2 & 3

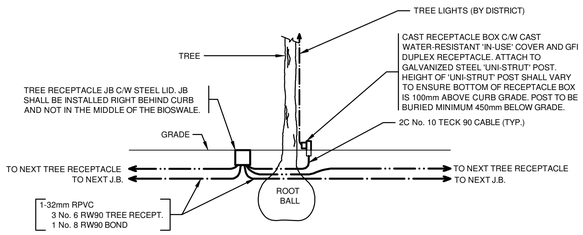
N.T.S.

ISSUED FOR CONSTRUCTION

2010-06-11

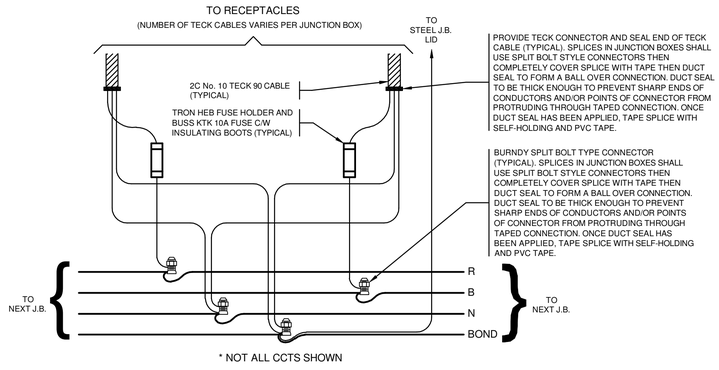


PLAN



TYPICAL TREE RECEPTACLE DETAIL

N.T.S.



* NOT ALL CCTS SHOWN

TYPICAL TREE RECEPTACLE SPLICING DETAIL IN TYPE 37 J.B.

N.T.S.

DMD

DMD & Associates Ltd.

#12-17358 104A Avenue
Surrey, BC, Canada V4N 5M3
www.dmdeng.com 604/589-9010
office@dmdeng.com Fax 604/589-9012

DESIGNED	JORGE MONCADA
DRAWN	DREW MERRYMAN
CHECKED	NEIL BRIGHT
DATE	2010-03-15

SCALE: AS SHOWN

SEAL

JUN 2 1 2010

D. J. WONG

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PATHWAY LIGHTING - DETAILS
BEACH AVENUE
MULTI-USE CORRIDOR
PEACHLAND, BC

PROJECT No.	SHEET No.	REVISION
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DMD 05/15

CANCEL PRINTS BEARING PREVIOUS LETTER