



- NOTES**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 1998 MINISTRY STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AND THE ELECTRICAL SPECIAL PROVISIONS ISSUED WITH THIS CONTRACT.
  - CONDUCTORS FROM JUNCTION BOX TO LUMINAIRE POLE SHALL BE:
    - 2 No. 10RW90
    - 1 No. 12RW90
    - 2" R.PVC (UNLESS OTHERWISE NOTED)
  - ALL CONDUITS FROM JUNCTION BOXES TO BASES ARE TO BE 2" R.PVC.
  - JUNCTION BOXES SHALL BE POSITIONED BEHIND OR, AS AN ALTERNATIVE, TO THE SIDE, BUT NOT IN FRONT OF POLES.
  - LUMINAIRE NUMBERING EXAMPLE: 1A2  
SERVICE No. - 1 CCT. LETTER - A LUM. No. - 2
  - WHERE POSSIBLE, POLES SHALL BE POSITIONED WITH THE HANDHOLE IN THE BACK OR IF NOT POSSIBLE, ON THE DOWNSTREAM TRAFFIC SIDE.
  - ALL CONCRETE BASES AND JUNCTION BOX SYMBOLS ARE NOT TO SCALE.
  - EACH SHIELDED CABLE SHALL RUN CONTINUOUS WITH NO SPLICES, FROM THE CONTROLLER TO THE RESPECTIVE LOOP.
  - ALL SIGNAL HEAD SECTIONS SHALL BE WIRED SEPARATELY FROM THE HANDHOLE OF THE POLE TO EACH HEAD INCLUDING A SEPARATE NEUTRAL AND BONDING CONDUCTOR FOR EACH HEAD.
  - THE CONTRACTOR SHALL NOT PRE-DRILL HOLES IN A SIGNAL POLE UNTIL AFTER THE BASE FOR THAT POLE HAS BEEN INSTALLED. THE CONTRACTOR SHALL ADVISE SHAFLIK ENGINEERING OF ANY ADJUSTMENTS MADE TO THE BASE LOCATION WHICH WILL EFFECT THE LOCATIONS OF HARDWARE TO BE MOUNTED ON THAT POLE PRIOR TO DRILLING.
  - WHERE 3 OR MORE SECONDARY/PEDESTRIAN HEADS ARE BEING MOUNTED ON THE POLE SHAFT, ORIENT THE PEDESTRIAN HEAD MOUNTING BRACKETS WITH THE WIREWAY ON TOP.
  - ALL JUNCTION BOXES SHALL HAVE STEEL LIDS.

CONDUCTOR COLOUR CODE	
ITEM	CONDUCTOR COLOUR
LUMINAIRE CCT. 'A, D & G'	RED
LUMINAIRE CCT. 'B, E & H'	BLACK
LUMINAIRE CCT. 'C, F & I'	BLUE
NEUTRAL	WHITE
GROUND/BOND	GREEN

POSTED SPEED 70 km/h

DO NOT USE THIS DRAWING FOR PAVEMENT MARKINGS

CONDUITS CROSSING ROUTE 11 SHALL BE INSTALLED BY TRENCHLESS TECHNOLOGY METHOD

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE SP635 STANDARD DRAWINGS

**LEGEND** (SYMBOLS SHOWN FILLED IN SOLID ARE EXISTING)

<ul style="list-style-type: none"> <li>PROPOSED CONCRETE BASE WITH FUTURE LUMINAIRE</li> <li>EXISTING CONCRETE BASE WITH PROPOSED LUMINAIRE</li> <li>PROPOSED CONCRETE BASE WITH PROPOSED LUMINAIRE</li> <li>CONCRETE BASE AND JUNCTION BOX</li> <li>JUNCTION BOX - No. DENOTES TYPE 'B' DENOTES BREAKAWAY BASE</li> <li>LUMINAIRE POLE (SINGLE) 'F' DENOTES FRANGIBLE BASE 'B' DENOTES BREAKAWAY BASE</li> <li>LUMINAIRE POLE (DOUBLE)</li> <li>POST TOP MOUNTED LUMINAIRE</li> <li>PRIVATE LUMINAIRE</li> </ul>	<ul style="list-style-type: none"> <li>SIGNAL POLE WITH OVERHEAD AND SIDE OF POLE MOUNTED HEADS</li> <li>COMBINATION LUMINAIRE/OVERHEAD TRAFFIC SIGNAL POLE</li> <li>OVERHEAD ILLUMINATED SIGN WITH AMBER FLASHERS</li> <li>COMBINATION LUMINAIRE/OVERHEAD ILLUMINATED SIGN WITH AMBER FLASHERS</li> <li>OVERHEAD SIGN (NON-ILLUMINATED)</li> <li>OVERHEAD ILLUMINATED SIGN</li> <li>COMBINATION LUMINAIRE/OVERHEAD NON-ILLUMINATED SIGN</li> <li>BREAKAWAY SIGN (NON-ILLUMINATED)</li> <li>ILLUMINATED BREAKAWAY SIGN</li> </ul>	<ul style="list-style-type: none"> <li>PEC PHOTO ELECTRIC CELL</li> <li>R.PVC RIGID PVC CONDUIT</li> <li>R.M.C. RIGID METAL CONDUIT</li> <li>F.C. FLEXIBLE CONDUIT (LIQUID TIGHT)</li> <li>OVERHEAD FLASHING BEACON</li> <li>POST MOUNTED FLASHER</li> <li>BACKGUY</li> <li>POWER POLE</li> <li>TELEPHONE POLE</li> <li>POWER/TELEPHONE POLE</li> </ul>	<ul style="list-style-type: none"> <li>TEST SWITCH</li> <li>BREAKER</li> <li>NEUTRAL BAR</li> <li>DIAMOND DETECTOR LOOP</li> <li>QUADRAPOLE DETECTOR LOOP</li> <li>A,B,A1,A2,ETC. SIGNAL HEAD VEHICLE PHASE</li> <li>A(T) (T) DENOTES TUNNEL</li> <li>PA,PB,PA1,PB2,ETC. SIGNAL HEAD PEDESTRIAN PHASE</li> <li>ppb PEDESTRIAN PUSHBUTTON</li> </ul>	<ul style="list-style-type: none"> <li>RAISED CURB</li> <li>PROPERTY LINE</li> <li>EDGE OF GRAVEL SHOULDER</li> <li>EDGE OF PAVEMENT</li> <li>PAINT LINE</li> <li>PROPOSED UNDERGROUND CONDUIT</li> <li>EXISTING UNDERGROUND CONDUIT</li> <li>FENCE</li> <li>CORRUGATED METAL PIPE (CULVERT)</li> <li>U/G UTILITY</li> <li>'G' DENOTES GAS</li> <li>'S' DENOTES STORM DRAINS/SEWERS</li> <li>'W' DENOTES WATER</li> <li>'UE' DENOTES ELECTRIC</li> <li>'UT' DENOTES TELEPHONE</li> <li>'SAN' DENOTES SANITARY SEWER</li> </ul>
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**DILLON CONSULTING**

**SHAFLIK ENGINEERING LTD.**  
CONSULTING ENGINEERS  
E-6951-98-1 of 14

ELECTRICAL DESIGN APPROVED *BLK* DATE *Nov/02* DESIGNED *M.S.* DATE *OCT99*  
SCALE: AS NOTED VOLTAGE: 120/208V CHECKED *DSW* DATE *Dec 99*  
HWY. DISTRICT:FRASER VALLEY DRAWN *R.A.G.* DATE *OCT99*

REV	DATE	DESCRIPTION	INIT	DRAWN
JUN98		DRAWING ISSUED		
SEPT98		CONSTRUCTION ISSUE		
A	OCT98	REVISED TO SUIT NEW GEOMETRICS		C.C.
B	OCT99	RECORD DRAWING		R.A.C.

REVISIONS

**SIGNAL AND LIGHTING INSTALLATION**  
**ROUTE 11**  
**MISSION BRIDGE TO ROUTE 7**  
**MISSION**

**SITE PLAN - NOTES - COLOUR CODE - ELEVATIONS**

CONSULTING ENGINEER  
*Dillon*  
DATE *Dec 99*

SHEET No. **1** OF **6**  
PROJECT No. **963458**  
REG. **1**  
DRAWING No. **TE-98079-1**

CANCEL PRINTS BEARING PREVIOUS LETTER