BASE INDEX						
TYPE	DRAWING	POLE TYPES				
A	E-1.2	TYPE 4 SIGNAL POST				
В	E-1.2	TYPE 4A & 5 SIGNAL POST & 4.5m TO 7.5m POST TOP LUMINAIRE POLES				
С	E-1.3 & E-1.4	7.5m, 9.0m & 11.0m DAVIT LUMINAIRE POLES				
C1	E-1.3 & E-1.4	6.6m, 8.1m & 10.1m LUMINAIRE POLES & 3.1m, 5.1m & 6.6m POST TOP LUMINAIRE ON 0.9m HIGH SERVICE BASE				
E2	E-1.5 & E-1.6	TYPE 1 AND 3 SIGNAL POLES				
F2	E-1.7 & E-1.8	TYPE 6 AND 7 SIGNAL POLES				
L2	E-1.7 & E-1.8	TYPE L SIGNAL POLE				

NOTES:

1. REFER TO SECTION 10 FOR SPECIFICATIONS



ſ	Scale:	NTS
	Created:	MAY 2013
	Rev Date:	MAY 2020
	Dwg No:	E-1.1





## PRECAST OR CAST IN PLACE CONCRETE BASES

BASE TYPE	POLE TYPE	APPROXIMATE MASS	VOLUME OF CONCRETE	A	В	с	D	REINFORCING
D	7.5m, SINGLE LUMINAIRE	2000 kg	0.39m3	197	250	500	2200	6-15M VERTS 10M SPIRAL @ 150
D1	9.1m, DOUBLE LUMINAIRE	2000 kg	0.62m3	269	380	600	2200	8-15M VERTS 10M SPIRAL @ 150

#### NOTES:

- 1. REFER TO CONTRACT DRAWINGS AND SECTION 10 FOR DETAILED SPECIFICATIONS.
- 2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 3. SEE DRAWING E-1.4 FOR ADDITIONAL DETAILS.
- 4. SEE DRAWINGS E-1.13 & E-1.14 FOR BACKFILL REQUIREMENTS.
- 5. CLEAR COVER TO REINFORCING 50mm.



TYPE D & D1 FORM TUBE PRECAST OR CAST-IN-PLACE CONCRETE BASES

ſ	Scale:	NTS	
	Created:	NOV 2012	
	Rev Date:	MAY 2020	
l	Dwg No:	E-1.2A	



## PRECAST CONCRETE BASES

BASE TYPE	POLE TYPE	APPROXIMATE MASS	VOLUME OF CONCRETE	А	В	С	D	E
С	7.5m, 9.0m & 11.0m DAVIT LUMINAIRE POLES	2000 kg	0.83m3	197	280	450	1500	1000
C1	6.6m, 8.1m & 10.1m DAVIT LUMINAIRE & 3.1m, 5.1m & 6.6m POST TOP LUMINAIRE ON 0.9m HIGH SERVICE BASE	2000 kg	0.83m3	269	380	450	1500	1000

NOTES:

- 1. REFER TO CONTRACT DRAWINGS AND SECTION 10 FOR DETAILED SPECIFICATIONS.
- 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- 3. SEE DRAWING E-1.4 & E-1.4A FOR ADDITIONAL DETAILS.
- 4. SEE DRAWING E-1.4A & E-1.14 FOR BACKFILL REQUIREMENTS.



TYPE C & C1 TRAPEZOIDAL SHAPE CONCRETE BASES

ſ	Scale:	NTS	
	Created:	MAY 1999	
	Rev Date:	NOV 2016	
l	Dwg No:	E-1.3	



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## PRECAST CONCRETE BASES

BASE	POLE TYPE	APPROXIMATE	VOLUME OF
TYPE		MASS	CONCRETE
E2	TYPE 1 AND 3 SIGNAL POLES	2450 kg	1.0m <sup>3</sup>

#### NOTES:

- 1. REFER TO CONTRACT DRAWINGS AND SECTION 10 FOR DETAILED SPECIFICATIONS.
- 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- 3. SEE DRAWING E-1.6 FOR ADDITIONAL DETAILS.
- 4. SEE DRAWINGS E-1.13 & E-1.14 FOR BACKFILL REQUIREMENTS.



TYPE E2 TRAPEZOIDAL SHAPE CONCRETE BASE

ſ	Scale:	NTS	
	Created:	JAN 1998	
	Rev Date:	JAN 1998	
	Dwg No:	E-1.5	



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XIMATE	VOLUME OF	А	В	с	D (ANC

BASE TYPE	POLE TYPE	APPROXIMATE MASS	VOLUME OF CONCRETE	A	В	С	D (ANCHOR BOLTS)
F2	TYPE 6 AND 7 SHAFTS	5000 kg	2.0 m3	243	343	160	4-1"Ø x 1220 GALVANIZED ANCHOR BOLTS PRE-ASSEMBLED IN A CAGE
L2	TYPE L POLES	5040 kg	2.0 m3	276	390	140	4-1 1/2"Ø x 1370 GALVANIZED ANCHOR BOLTS PRE-ASSEMBLED IN A CAGE

NOTES:

- 1. REFER TO CONTRACT DRAWINGS AND SECTION 10 FOR DETAILED SPECIFICATIONS.
- 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- 3. SEE DRAWING E-1.8 FOR ADDITIONAL DETAILS.
- 4. SEE DRAWINGS E-1.13 & E-1.14 FOR BACKFILL REQUIREMENTS.





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#### TYPE S POLE BASE PLATE 1:10

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PARTS LIST FOR TYPE S SIGNAL POLE		
PART	MINISTRY STOCK NUMBER	MASS (kg)
TYPE [S] POLE SHAFT	SN3152	385
TYPE [5S] SIGNAL ARM - 5.0m	SN3150	104
TYPE [5.5S] SIGNAL ARM - 5.5m	SN3155	111
TYPE [6S] SIGNAL ARM - 6.0m	SN3160	118
TYPE [6.5S] SIGNAL ARM - 6.5m	SN3165	125
TYPE [7S] SIGNAL ARM - 7.0m	SN3170	132
TYPE [7.5S] SIGNAL ARM - 7.5m	SN3175	192
TYPE [8S] SIGNAL ARM - 8.0m	SN3180	204
TYPE [8.5S] SIGNAL ARM - 8.5m	SN3185	214
TYPE [9S] SIGNAL ARM - 9.0m	SN3190	224
TYPE [9.5S] SIGNAL ARM - 9.5m	SN3195	292
TYPE [10S] SIGNAL ARM - 10.0m	SN3100	306
TYPE [10.5S] SIGNAL ARM - 10.5m	SN3105	320
TYPE [11S] SIGNAL ARM - 11.0m	SN3110	340
TYPE [1.75L] LUMINAIRE ARM EXTENSION - 1.75m	SN2063	29
TYPE [0.25L] LUMINAIRE ARM EXTENSION - 0.25m	SN2064	10
TYPE [2A] LUMINAIRE ARM	SN1832	35
TYPE 1 FLANGE COVER PLATE [1 FCP]	SN1367	1.5
TYPE S FLANGE COVER PLATE [S FCP]	SN1368	3
TYPE 3 FLANGE COVER PLATE [3 FCP]	SN2084	4
POST TOP TENON [PTT]	SN1831	5

\* [] I.D. LABEL ON POLE



Scale: NTS Created: JAN 1998 Rev Date: NOV 2016 Dwg No: E-1.10





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 Scale:
 NTS

 Created:
 MAY 2003

 Rev Date:
 MAY 2003

 Dwg No:
 E-3.1





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# CONDUIT ENTRY TO VAULT OR CONCRETE JUNCTION BOX





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E-5.1

Dwg No:

		TYPE 1 FLANGE COVER PLATE	TYPES 2A OR 2C LUMINAIRE ARMS
	т	YPE 2 SHAFT BOLT KIT	
ITEM	QUANTITY	DESCRIPTION	
А	4	5/8"Ø x 3" LONG BOLT, 2 NUTS AND 2 WASHERS.	
В	1	LOCKING HANDHOLE COVER. SEE DETAIL ON DRAWING E-5.19	
С	1	3/8"Ø x 1 1/4" LONG BONDING BOLT WITH 1 NUT AND 2 WASHERS.	TYPE 2 SHAFT
D	4	PLASTIC NUT COVERS FOR 1" NUTS	
Е	4	LEVELLING SHIMS.	
F	4	1"Ø NUTS AND WASHERS.	
		MAXIMUM 4 SH PER BOLT	IMS
			POLE ASSEMBLY DETAIL
NOT 1. 2. 3. 4. 5.	ES: REFER TO C SHAFTS TO I ALL SHAFTS APPLY GREA TOUCH UP A	ONTRACT DRAWINGS AND SECTION 10 F0 BE INSTALLED PLUMB. , ARMS AND EXTENSIONS TO BE SUPPLIE ASE TO ANCHOR BOLT THREADS. NY SCRATCHES IN GALVANIZED SURFAC	OR DETAILED SPECIFICATIONS. D WITH A GALVANIZED FINISH, UNLESS OTHERWISE NOTED. ES WITH COLD GALVANIZING COMPOUND.
CIT t h e	Y OF N		UMINARE POLE (HIGHWAYS TYPE 2 SHAFT)

Rev Date: NOV 2019
Dwg No: E-5.2

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SIGNAL POLE (HIGHWAYS TYPE 3 SHAFT)

POLE ASSEMBLY DETAIL

ſ	Scale:	NTS
L	Created:	JAN 1998
L	Rev Date:	JAN 1998
L	Dwg No:	E-5.6

TYPE 3 SHAFT

1"Ø ANCHOR BOLTS

CONCRETE BASE

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## NOTES:

TYPES 3A, 3C AND 3D SIGNAL ARMS

ITEM QUANTITY

4

1

1

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- REFER TO CONTRACT DRAWINGS AND SECTION 10 FOR DETAILED SPECIFICATIONS. 1.
- 2.
- SHAFTS TO BE INSTALLED PLUMB.

TYPE 3 SHAFT BOLT KIT

AND 2 WASHERS.

& BACKER BAR.

WASHERS.

FOR 1"Ø NUTS.

LEVELLING SHIMS.

5/8"Ø x 3" LONG BOLT, 2 NUTS

SMALL HANDHOLE COVER WITH

3/8"Ø x 1 1/4" LONG BONDING BOLT WITH 1 NUT AND 2

PLASTIC NUT COVERS

1"Ø NUTS AND WASHERS.

3/8"Ø x 2 1/2" LONG BOLT, WASHER

DESCRIPTION

- 3.
- ALL SHAFTS, ARMS AND EXTENSIONS TO BE SUPPLIED WITH A GALVANIZED FINISH, UNLESS OTHERWISE NOTED.
- 4. APPLY GREASE TO ANCHOR BOLT THREADS.
- TOUCH UP ANY SCRATCHES IN GALVANIZED SURFACES WITH COLD GALVANIZING COMPOUND. 5.

MAXIMUM 4 SHIMS PER BOLT





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# TYPE L POLE BASE PLATE

PARTS LIST FOR TYPE L SIGNAL POLE	
PART	MASS (kg)
TYPE [L] POLE SHAFT	442
TYPE [3L] SIGNAL ARM - 3.0m TYPE [4L] SIGNAL ARM - 4.0m TYPE [5L] SIGNAL ARM - 5.0m TYPE [6L] SIGNAL ARM - 6.0m TYPE [7L] SIGNAL ARM - 7.0m TYPE [8L] SIGNAL ARM - 7.0m TYPE [8L] SIGNAL ARM - 8.0m TYPE [9L] SIGNAL ARM - 9.0m TYPE [10L] SIGNAL ARM - 10.0m TYPE [11L] SIGNAL ARM - 11.0m TYPE [3LE] SIGNAL ARM EXTENSION - 3.0m	97 118 173 201 229 259 284 377 410 114
TYPE [4.25L] LUMINAIRE ARM EXTENSION - 4.25m TYPE [1.75L] LUMINAIRE ARM EXTENSION - 1.75m TYPE [0.25L] LUMINAIRE ARM EXTENSION - 0.25m TYPE [2A] LUMINAIRE ARM TYPE [2C] LUMINAIRE ARM	82 29 10 35 65
TYPE 1 FLANGE COVER PLATE [1 FCP] TYPE 2 FLANGE COVER PLATE [2 FCP] TYPE 3 FLANGE COVER PLATE [3 FCP]	1.5 4 4

\* [] I.D. LABEL ON POLE



SIGNAL POLE (HIGHWAYS TYPE L SHAFT)

ſ	Scale:	NTS	
	Created:	MAY 2013	
	Rev Date:	MAY 2013	
l	Dwg No:	E-5.12	



![](_page_35_Picture_1.jpeg)

\* [] I.D. LABEL ON POLE

PARTS LIST	
PART	MASS (kg)
TYPE [2] SHAFT TYPE [4A] SHAFT	102 66

![](_page_35_Figure_4.jpeg)

![](_page_35_Figure_5.jpeg)

![](_page_35_Figure_6.jpeg)

![](_page_35_Figure_7.jpeg)

![](_page_35_Figure_8.jpeg)

Scale:

Created:

Dwg No:

NTS

E-5.14

Rev Date: JAN 1998

JAN 1998
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	1		
В	1	2-3/8"Ø x 1 1/4" LONG BOLTS AND 2 WASHERS.	
с	1	3/8"Ø x 1" LONG BONDING BOLT WITH 1 NUT AND 2 WASHERS.	
D	4	PLASTIC NUT COVERS FOR 1"Ø NUTS.	
E	4	LEVELING SHIMS.	
F	4	1"Ø NUTS AND WASHERS.	
		MAXIMUM 4 S PER BOLT	C C C C C C C C C C C C C C
NO	TES:		
1. 2. 3. 4. 5.	REFER TO SHAFTS TO ALL SHAFT APPLY GRI TOUCH UP	CONTRACT DRAWINGS AND SECTION 10 D BE INSTALLED PLUMB. 'S, ARMS AND EXTENSIONS TO BE SUPP EASE TO ANCHOR BOLT THREADS. 'ANY SCRATCHES IN GALVANIZED SURF	D FOR DETAILED SPECIFICATIONS. PLIED WITH A GALVANIZED FINISH, UNLESS OTHERWISE NOTED. FACES WITH COLD GALVANIZING COMPOUND.
СП	TY OF	NANAIMO R B O U R C I T Y	SIGNAL POSTS (HIGHWAYS TYPE 4A & 2-6.5m SHAFTS)

Dwg No: E-5.15

3.20.2020

POST TOP LUMINAIRE POLES



- ALL DIMENSION IN MILLIMETERS UNLESS OTHERWISE NOTED. 3. 4. POST TOP POLES TO BE SUPPLIED 0.9m SHORTER WHEN INSTALLED ON A SERVICE BASE.

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- SEE DRAWING E-5.17 FOR BOLT KIT AND POLE ASSEMBLY DETAILS. 2.

- 1. REFER TO CONTRACT DRAWINGS AND SECTION 10 FOR DETAILED SPECIFICATIONS.

- NOTES:





# 4.5m POLE



PARTS LIST	
PART	MASS (kg)
4.5m - POST TOP LUMINAIRE POLE	55



E-5.17

Dwg No:

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UNDERGROUND DIP SERVICE

Rev Date: NOV 2016

E-9.1

Dwg No:

2.2020



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то то P.E.C. LUM 2 No.12 CU RW90 ST. LT. POLE 10A FUSE No. 4 AL RW90 + 3 No.12 CU RW90 )60A 1P 15A 1P 60A 1P \60A 0 15A 1P 1P 100A WEATHERPROOF O 0, SERVICE PANEL R В P.E.C. BYPASS ç 12345 - SIZE 2 (60A) CONTACTOR (TYP.) SERVICE BASE 00000000 FLASHER CONTROL UNIT (WHERE REQUIRED) 2 No. 10 CU RW90 FLASHER 3 No. 4 AL RW90 STREET LIGHTING (CCTS. 'A' & 'B') 2 No. 6 CU RW90 CONTROLLER No.6 CU GROUND -BARRIER ل 100A 9 þ Ø 2P Q 1 Q 3 No. 3 CU RW90 IN 50mm R.PVC BONDING BOLT No. 6 AL RW90 BOND NEUTRAL (WHITE POWER (BLACK) POWER (RED) TO J.B. 120/240V BASE FROM BC HYDRO GROUND ELECTRODE AS PER C.E.C. REQUIREMENTS R.PVC SIZE AS SHOWN ÷ Scale: NTS OF NANAIMO CIT Y TYPICAL 100A TRAFFIC SIGNAL / STREET NOV 2012 Created: ТНЕ LIGHTING / WIRING DIAGRAM (FOR USE IN Rev Date: NOV 2019 SERVICE BASE) Dwg No: E-10.4

3.2.2020





G: INFRASTRUCTURE PLANNINGISTANDARDS & PRODUCTSIMOESSIEDITION NO13 MAY 2020/2019-09-15 REDLINE INCORPORATION - WORKING:2020 DRAWING SECTIONSIFINAL DRAFTISECTION 10 DWGSIE-12.1

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LUMINAIRE WIRING IN POLE HANDHOLE

Scale: NTS Created: JAN 1998 Rev Date: JAN 1998 Dwg No: E-12.1



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Dwg No:

E-12.2







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STEP 1 LAYOUT DETECTOR LOOPS AND REVIEW LOCATIONS WITH THE ENGINEER PRIOR TO SAWCUTTING THE ROADWAY. THE GENERAL LAYOUT OF THE DETECTOR LOOPS IS INDICATED ON DRAWING E-14.7. STOP BARS AND LANE LINES MUST BE LAID OUT PRIOR TO LOCATING DETECTOR LOOPS.

#### RULE 1

DETECTOR LOOPS SHALL NOT BE INSTALLED WHEN THE ROAD IS WET OR WHEN THE AMBIENT (AIR) TEMPERATURE IS LOWER THAN 5°C, UNLESS APPROVED IN WRITING BY THE CITY ENGINEER. SEALANTS DO NOT ADHERE PROPERLY IN WET CONDITIONS. SHOULD THE CONTRACTOR BE ASKED IN WRITING BY THE ENGINEER TO INSTALL LOOPS IN THE WET AND/OR WHEN THE AIR TEMPERATURE IS BELOW 5°C, THE INSTALLATION WARRANTY WILL NOT BE ENFORCED.

### RULE 2

DETECTOR LOOPS SHALL NOT BE INSTALLED WHEN THE PAVEMENT IS CRACKED OR BADLY RUTTED UNLESS THE INSTALLATION IS APPROVED BY THE CITY ENGINEER. SAW CUTS CAN OFTEN CAUSE PAVEMENT CONDITIONS TO DETERIORATE FURTHER. IF RE-SURFACING OF THE INTERSECTION IS NOT PLANNED THEN PHOTOGRAPHS SHOULD BE TAKEN TO DOCUMENT THE PAVEMENT CONDITIONS BEFORE AND AFTER THE LOOP INSTALLATION.

# STEP 2 CUT LOOP AND HOME RUN SLOTS IN ASPHALT.

ALL LOOP AND HOME RUN SLOTS SHALL BE CUT TO THE SAME DEPTH, WITH A PAVEMENT SAW. SLOTS SHALL NOT PASS THROUGH PAVEMENT INTO THE BASE GRAVEL.

#### RULE 3

LOOP AND HOME RUN SLOT MUST BE INSTALLED AT LEAST 300mm FROM ANY OTHER LOOP AND EACH LEAD-IN SLOTS, EXCEPT WHERE THE LEAD-IN CONDUCTORS ENTER THE 1" RPVC CONDUIT. THIS WILL REDUCE THE PROBABILITY OF INTERFERENCE BETWEEN LOOPS.

#### RULE 4

WHEN REPLACING LOOPS, CUT THROUGH TWICE ON EACH SIDE OF EXISTING LOOP. THIS MAY REQUIRE ADDITIONAL SAW CUTS, IF THE EXISTING LOOP IS NOT LOCATED IN THE SAW CUT PATH OF THE NEW LOOP. THIS WILL ELIMINATE THE POSSIBILITY OF INTERFERENCE BETWEEN THE OLD AND THE NEW LOOP.

- STEP 3 CLEAN THE SLOT WITH A PROFESSIONAL GRADE PRESSURIZED WATER SYSTEM. REMOVE ALL WATER AND DIRT OUT OF THE SLOT CUT AND THE SURROUNDING 100mm OF ROAD SURFACE USING COMPRESSED AIR. SLOT MUST REMAIN COMPLETELY CLEAN AND DRY UNTIL THE SLOT IS SEALED.
- STEP 4 INSTALL THE LOOP CONDUCTOR INTO THE LOOP SLOT. ENSURE CONDUCTORS ARE TIGHTLY WOUND AND PUSHED INTO THE BOTTOM OF THE SLOT. TWIST CONDUCTOR HOME RUN AT 15 TURNS PER METRE. INSTALL 75mm STRIPS OF BACKER ROD EVERY 600mm TO HOLD CONDUCTORS INTO SLOT.

#### RULE 5

ONLY ONE CONTINUOUS CONDUCTOR SHALL BE INSTALLED IN EACH LOOP AND HOME RUN SLOT TO THE JUNCTION BOX.

#### RULE 6

LOOP CONDUCTORS MUST BE INSTALLED IMMEDIATELY AFTER THE LOOP AND HOME RUN SLOTS ARE CUT.

STEP 5 INSTALL LOOP SEALANT AFTER CONDUCTORS HAVE BEEN INSTALLED. LOOP SEALANTS SHALL BE HEATED AS PER MANUFACTURER'S INSTRUCTIONS AND NEATLY APPLIED USING A FUNNEL WITH A NARROW SPOUT. ANY EXCESS SEALANT ON ROAD SURFACE SHALL BE REMOVED. AN ADDITIONAL APPLICATION OF LOOP SEALANT MAY BE REQUIRED WHERE THE SEALANT IS NOT UP TO THE PAVEMENT GRADE.

NOTES:

1. SEE DRAWING E-14.6 FOR CONTINUATION OF PROCEDURES AND RULES.



DETECTOR LOOP PROCEDURES & RULES

(	Scale:	NTS
	Created:	NOV 2009
	Rev Date:	NOV 2009
	Dwg No:	E-14.5

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# CONTINUED FROM DRAWING E-14.5

STEP 6 ONCE THE SEALING OF THE SLOT HAS BEEN PROPERLY COMPLETED, A DUST SUCH AS PORTLAND CEMENT SHALL BE SPRINKLED ONTO THE SEALANT TO PREVENT TRACKING BY ROADWAY TRAFFIC. ANY EXCESS DUST SHALL BE SWEPT OFF THE ROADWAY PRIOR TO ALLOWING TRAFFIC TO PASS OVER THE SEALED SLOT.

#### RULE 7

SPLICES WILL NOT BE ALLOWED IN LOOP CONDUCTORS OR SHIELDED CABLES.

- STEP 7 THE SPLICES BETWEEN DETECTOR LOOP CONDUCTORS AND THE SHIELDED CABLE ARE TO BE SOLDERED AND SEALED WITH HEAT SHRINK IN ACCORDANCE WITH DRAWING E-14.4
- STEP 8 REPEAT STEP 7 AT THE JUNCTION BOX OR VAULT NEAREST CONTROLLER.

#### RULE 8

LOOP DETECTOR RESISTANCE TO GROUND SHALL BE GREATER THAN 1 MEGOHM, & LOOP INDUCTANCE SHALL BE WITHIN 25% OF THE VALUES SHOWN ON THE CONTRACT DRAWINGS.

STEP 9 TAG EACH LOOP CABLE AS INDICATED BELOW.

#### RULE 9

MAINTAIN THE MAXIMUM SEPARATION POSSIBLE IN THE JUNCTION BETWEEN THE LOOP CONDUCTORS AND POWER CONDUCTORS.



## LOOP DETECTOR CONDUCTORS IN JUNCTION BOX



(	Scale:	NTS
	Created:	NOV 2009
L	Rev Date:	NOV 2009
L	Dwg No:	E-14.6










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## TRAFFIC SIGNAL ADVANCE WARNING SIGN

TRAFFIC SIGNAL ADVANCE WAI		AFFIC SIGNAL ADVANCE WARNING
	SIGN KIT PARTS LIST	
	ITEM	DESCRIPTION
	А	200mm SIGNAL HEAD SECTION C/W YELLOW LENS, LAMP AND COWL VISOR
	В	TRAFFIC SIGNAL EXTRUDED ALUMINUM ADVANCE WARNING SIGN COMPLETE WITH 3M DIAMOND GRADE REFLECTIVE SHEETING
	С	10Ø x 25mm LONG STAINLESS STEEL HEX HEAD BOLT, NUT, 2 FLAT WASHERS AND 1 LOCKWASHER
	D	150 x 150 x 100 PVC J.B.
	Е	INSULATED CHASE NIPPLE, 2 LOCKNUTS AND 2 FLAT WASHERS
	F	FINIAL
	G	12mm BULLET HUB AND 90° STRAIN RELIEF CONNECTOR AND LOCKNUT
	Н	LARGE TY-RAP
	Ι	3c No. 14 S.O.W. CABLE
	J	12mm BULLET HUB AND STRAIN RELIEF CONNECTOR AND LOCKNUT

SEE DRAWING E-15.8 FOR NOTES AND ADDITIONAL DETAILS

Scale: NTS JAN 1998 Created: Rev Date: NOV 2019 Dwg No: E-15.7

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OVERHEAD EXTRUDED ALUMINUM ADVANCE

WARNING SIGN INSTALLATION DETAILS

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