SECTION A-A

BASE PLATE DETAIL
4 No. 28mm WIDE SLOTS ON 350mm PITCH CIRCLE DIAMETER. 16mm THICK MILD STEEL

PROVISION FOR EARTHING:
A 300mm LENGTH OF COPPER WIRE TO BE SUITABLY FASTENED TO EARTHING SCREW.
FASTENED LENGTH TO BE AT LEAST 50mm.
COPPER WIRE TO BE AT LEAST Ø0.85mm.

TRAFFIC SIGNAL POST
TYPE 2C

NOTE: POSTS TO CONFORM WITH AS 2339 UNLESS SHOWN OTHERWISE

DOME STEEL CAP
DRILL AND TAP TWO FIXING HOLES M10 C ARSE
CABLE ENTRY 26 dia HOLE
100NB MS TUBE
100NB MS TUBE

BASE PLATE DETAIL
4 No. 28mm WIDE SLOTS ON 350mm PITCH CIRCLE DIAMETER. 16mm THICK MILD STEEL
UPPER MOUNTING BRACKET DETAIL

2 No. 13 Ø CLEARANCE HOLES
MS SCREW TO SECURE FINAL CAP
M6 BOLT USED FOR SECURING TO POST
M6 BOLT USED FOR CABLE RETENTION
M6 THREADED SECTION EARTH SECURING AND NUTS
4 No. HOLES ON 180° I.P.C.O.
TAPPED TO SUIT M12 COARSE THREAD BOLTS
116 mm HOLE

LOWER MOUNTING BRACKET DETAIL

2 No. 13 Ø CLEARANCE HOLES
2 ANTI SWING BRACKETS
RUBBER GRANET HOLD
10mm GALVANIZED STEEL 1/2 BOLT WITH
30mm THREADED SECTION AT EACH END
(SUITABLE NUTS AND WASHERS TO BE
SUPPLIED WITH THE BRACKET)
NOTES
1. SIGNAL SHALL BE A 2 ASPECT 200mm DIAMETER YELLOW LANTERN
2. EACH PAIR OF FLASHING YELLOW LIGHTS MUST BE CAPABLE OF BEING AIMED SEPARATELY FROM ANY OTHER PAIR.
3. ALL CONDUITS USED ARE TO COMPLY WITH AS 2053.
4. UNLESS OTHERWISE DIRECTED OVERHEAD FLOODLIGHTING SHALL BE PROVIDED BY OTHERS.

NOTES
2. FOUNDATION SHALL BE AS SHOWN IN TC-1201
STANDARD DRAWING

TYPICAL 5.5m MAST ARM INSTALLATION
(2.5m OUTREACH)

DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1112

Department of State Growth

DO NOT SCALE

Use of this drawing is governed by the conditions outlined on the DIER website. It is the user's responsibility to ensure it is the current revision.

STANDARD DRAWING NUMBER

TC - 1112

REVISION NUMBER

A

This sheet may be prepared using colour and may be incomplete if copied.
GENERAL NOTES / CROSS REFERENCES:
1. TERMINALS MARKED "A" CROSS CONNECTED.
2. TERMINALS MARKED "BLUE" ELV RETURN CROSS CONNECTED.
3. TERMINALS 1-48 TO BE 6mm.
4. ELV RETURN TERMINALS TO BE 6mm.
5. NEUTRAL AND EARTH TERMINALS TO BE CAPABLE OF ACCEPTING
   CONDUCTOR UP TO 10MM CROSS SECTIONAL AREA.
6. FOR 20 WAY TERMINAL ASSEMBLY REFER TO TC-1125.

Department of State Growth
STANDARD DRAWING
51 WAY TERMINAL ASSEMBLY
DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1114

TC - 1114

A

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STANDARD DRAWING NUMBER
REVISION NUMBER

A

This sheet may be prepared using colour and may be incomplete if copied.
DIAMETRICALLY OPPOSED MOUNTING HOLES TO BE ALIGNED PARALLEL TO LINE OF Kerb

LINE OF Kerb

MOUNTING BRACKET ORIENTATION

DIRECTION OF TRAVEL

NOTE: DISPLAYS APPLY TO THIS APPROACH ONLY

ORIENTATION OF LANTERNS

STANDARD DRAWING

LANTERN AND MOUNTING BRACKET ORIENTATION

DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1115

TC - 1115

A

STANDARD DRAWING

DO NOT SCALE

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STANDARD DRAWING NUMBER

Revision Number

A
TRAFFIC SIGNAL MOUNTING ARRANGEMENTS
LANTERN ON STANDARD POSTS
DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1116

MOUNTING BRACKET ORIENTATION
ORIENTATION OF LANTERNs

2C PEDESTAL
300mm PRIMARY, SECONDARY / TERTIARY AND PEDESTRIAN LANTERNs

NOTES:
1. FOR 200mm PEDESTRIAN LANTERNS
   REFER TC.1116

LANTERN MOUNTING HEIGHTS

28 PEDESTAL AND
1.4m OUTREACH MAST ARM

24 PEDESTAL

POSITION OF LANTERNS

DEPARTMENT OF STATE GROWTH

STANDARD DRAWING
LANTERN ORIENTATION AND MOUNTING HEIGHTS FOR
300MM LANTERNS ON STANDARD POSTS
DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1117

DO NOT SCALE
Use of this drawing is governed by the conditions outlined on the DIER website.
It is the users responsibility to ensure it is the current version.

STANDARD DRAWING NUMBER
TC-1117

REVISION NUMBER
A
NOTES FOR PARKING SIGNS
1. PIPE AND FITTINGS TO BE GALVANISED.
2. CONCRETE STRENGTH GRADE SHALL BE RD2 TO THE REQUIREMENTS OF AS-1379 - "SPECIFICATION AND SUPPLY OF CONCRETE".
4. MOUNTING HEIGHT TO BE 2M FROM BOTTOM OF SIGN TO GROUND LEVEL.
5. ALL DIMENSIONS ARE IN MILLIMETRES.

NOTES FOR STOP & GIVE WAY SIGNS.
1. PIPE AND FITTINGS TO BE GALVANISED.
2. CONCRETE STRENGTH GRADE SHALL BE RD2 TO THE REQUIREMENTS OF AS-1379 - "SPECIFICATION AND SUPPLY OF CONCRETE".
3. THE SIGN IS ALIGNED SUCH THAT THE FACE IS OFFSET AT AN ANGLE OF APPROXIMATELY 45° TOWARDS THE STREET FOOTPATH.
4. MOUNTING HEIGHT TO BE 2M MIN. FROM THE BOTTOM OF SIGN TO GROUND LEVEL.
5. ALL DIMENSIONS ARE IN MILLIMETRES.

DRAWINGS NOT TO SCALE

SLEEVE MOUNTING OF POSTS
(PREFERRED)

MOUNTING OF POSTS
( TO BE ADOPTED ONLY WHERE DIRECTED)
Type 28 post through verandah with 200mm lantern and target board mounted at standard height. Similar provisions apply to mast arms, joint use masts, and joint use poles.

Type 28 post with top sealed and cables terminating in junction box, 200mm lantern and target board mounted at standard height. Provision for earthing to be replaced.

Special shortened post with top sealed and cables terminating in junction box, 200mm lantern without target board mounted, absolute minimum clearance of 2000mm below lantern. Provision for earthing to be replaced.

Drawings not to scale.
TYPE 3. CLOSED VISOR

200 - Short
300 - Long
(400)

30°

60°

160

A and B to suit lantern body

TYPE 4. PEDESTRIAN VISOR

for Type 1 Pedestrian Lantern

200

160

Department of State Growth

STANDARD DRAWING

VISOR DIMENSIONS

DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1127

Tasmanian Government

DO NOT SCALE

Use of this drawing is governed by the conditions outlined on the DIER website. It is the user's responsibility to ensure it is the current revision.

STANDARD DRAWING NUMBER
TC - 1127

REVISION NUMBER
A

Art original
This sheet may be prepared using colour and may be incomplete if copied

DRAWN: REVIEWED: APPROVED:
GENERAL NOTES / CROSS REFERENCES:
1. ALL DIMENSIONS ARE IN mm.
2. TERMINALS MARKED "N" CROSS CONNECTED.
3. TERMINALS MARKED "BLUE" CROSS CONNECTED.
4. 2 KEYHOLES, 3.2mm RADIUS AND 6.3mm RADIUS, 9.5mm BETWEEN CENTRES.
5. RAIL 'A' TO BE DEBURRED AND LIFENED, AFTER CUTTING AND PUNCHING, THEN REPAINTED AND PASSIVATED.
6. RAIL 'B' TO BE CUT 140mm LONG THEN REPAINTED AND PASSIVATED.
7. TERMINALS 1.48 TO BE 4mm.
8. E.L.V. RETURN TERMINALS TO BE 6mm.
9. NEUTRAL AND EARTH TERMINALS TO BE CAPABLE OF ACCEPTING CONDUCTOR UP TO 10mm CROSS SECTIONAL AREA.
ALTERNATIVE FOUNDATION

NOTE: 800 DIA FOUNDATION MAY BE SUBSTITUTED FOR 700 SQUARE FOUNDATION

GENERAL NOTES
1. CONCRETE STRENGTH GRADE SHALL BE N32 TO THE REQUIREMENTS OF AS-1379 - "SPECIFICATION AND SUPPLY OF CONCRETE"
2. THREADED PORTION OF ALL RAG BOLTS TO BE COATED WITH GRAPHITE GREASE OR SIMILAR BEFORE ASSEMBLY.
3. BASE PLATE WILL BE 16MM FOR 2A, 2B AND TYPE 3 PEDESTALS
NOTES:

1. TRAFFIC SIGNAL AND STREET LIGHTING CONDUITS TO BE ALIGNED AS REQUIRED
2. CONCRETE STRENGTH GRADE SHALL BE N52 TO THE REQUIREMENTS OF AS 1379 - SPECIFICATION AND SUPPLY OF CONCRETE.

STANDARD DRAWING

BORED PILE FOR MA, JUP AND JUMA

DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1201

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<tr>
<th>PILE DEPTH</th>
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<tr>
<td>3220</td>
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<td>JUMA</td>
<td>HIGH STRENGTH</td>
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A UPDATES TO VICROADS STANDARD DRAWING

TC - 1201
NOTES

1. IN UNSEALED AREAS, A COURTESY APRON SHALL BE PROVIDED, CONSISTING OF 80 mm THICK CONCRETE, EXTENDING 200 mm AROUND THE FOOTING, EXCEPT IN FRONT OF THE DOOR WHERE THE APRON SHALL BE 600 mm WIDE.

2. CONCRETE STRENGTH GRADE SHALL BE N32 TO THE REQUIREMENTS OF AS-1379 - “SPECIFICATION AND SUPPLY OF CONCRETE”.

3. THREADED PORTION OF RAG BOLTS TO BE COATED WITH GRAPHITE GREASE OR SIMILAR AND PROTECTED FROM DAMAGE DURING ASSEMBLY.

4. 20 mm SHALL PROTRUDE 50 mm ABOVE THE CONCRETE FOOTING.

5. A CLEARANCE OF 1000 mm MUST BE MAINTAINED IN FRONT OF THE CABINET.

6. FOUNDATION TO BE MINIMUM CLEARANCE OF 500 mm TO BACK OF KERB AND 200 mm FROM BUILDING LINES, POLES etc.

CONDUIT SPECIFICATION (TO AS 2053)

E100 = ELECTRICAL (ORANGE) HEAVY DUTY CONDUIT 100 dia.

E50 = ELECTRICAL (ORANGE) HEAVY DUTY CONDUIT 50 dia.

C20 = COMMUNICATION (WHITE) TELSTRA CONDUIT 26.8 mm OD

E20 = ELECTRICAL (ORANGE) HEAVY DUTY CONDUIT 20 dia.

SUPPLY AUTHORITIES MAINS ENTRY, DIRECTED TO POINT OF SUPPLY

SECTION B-B

EDGE OF CONCRETE APRON
SEE NOTES 1 & 21

CONDUITS (WITH SWEP BENDS) TO BE DIRECTED TOWARDS PITS OR AS REQUIRED TO SUIT SITE LAYOUT

SECTION A-A

CONCRETE APRON
SEE NOTE 1

RAG BOLT ASSEMBLY

APPROX. ø50

450ø

E20

E100

E100

150

30 X 30
CHAMFER

E80

E20

E20

E80

E100

E100

E150

SECTION B-B

EDGED OF CONCRETE APRON
SEE NOTES 1 & 21

NOTES

1. IN UNSEALED AREAS, A COURTESY APRON SHALL BE PROVIDED, CONSISTING OF 80 mm THICK CONCRETE, EXTENDING 200 mm AROUND THE FOOTING, EXCEPT IN FRONT OF THE DOOR WHERE THE APRON SHALL BE 600 mm WIDE.

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CONCRETE APRON
SEE NOTE 1

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APPROX. ø50

450ø

E20

E100

E100

E150

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EDGED OF CONCRETE APRON
SEE NOTES 1 & 21

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E20 = ELECTRICAL (ORANGE) HEAVY DUTY CONDUIT 20 dia.

SUPPLY AUTHORITIES MAINS ENTRY, DIRECTED TO POINT OF SUPPLY

SECTION B-B

EDGE OF CONCRETE APRON
SEE NOTES 1 & 21

CONDUITS (WITH SWEP BENDS) TO BE DIRECTED TOWARDS PITS OR AS REQUIRED TO SUIT SITE LAYOUT

SECTION A-A

CONCRETE APRON
SEE NOTE 1

RAG BOLT ASSEMBLY

APPROX. ø50

450ø

E20

E100

E100

E150

SECTION B-B

EDGED OF CONCRETE APRON
SEE NOTES 1 & 21

NOTES

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E20 = ELECTRICAL (ORANGE) HEAVY DUTY CONDUIT 20 dia.
**NOTES:**

1. WHERE SPARE CORES ARE ALLOCATED FOR A SPECIFIC PURPOSE SUCH SHALL BE RECORDED ON VICROADS SITE PLAN ONE COPY REMAINING IN THE CONTROLLER AND TWO COPIES TO BE SUPPLIED TO VICROADS.

2. GROUPS NOT ALLOCATED TO CORES 1 - 32 ON 51 CORE CABLE SHALL BE IDENTIFIED IN CLOCKWISE ORDER FROM THE REFERENCE CORNER AND ALLOCATED SEPARATE CORES BEGINNING FROM CORE 33.

### 51 CORE CABLE

<table>
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<tr>
<th>CORE NO</th>
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**INTERSECTION SIGNALS**

**GENERAL NOTES / CROSS REFERENCES**

UNSPECIFIED DIMENSIONS ARE IN mm.

**STANDARD DRAWING**

51 CORE FOR INTERSECTIONS

**INTELLIGENT TRANSPORT SYSTEMS GROUP**

**CHECKED DATE**

**APPROVED DATE**

**SPEC. REF.**

**SHEET NO.**

**DRAWING NO.**

**AMENDMENT**

TC-1204 A
NOTES:

1. WHERE SPARE CORES ARE ALLOCATED FOR A SPECIFIC PURPOSE, SUCH SHALL BE DOCUMENTED. ONE COPY REMAINING IN THE CONTROLLER AND TWO COPIES TO BE SUPPLIED TO VICROADS.

2. CORES 13-20 (29 CORE CABLE) ARE USED FOR EXTERNAL DETECTOR INPUTS FOR PUFFIN P.O.S.

3. CORES 11-14 (19 CORE CABLE) ARE USED FOR EXTERNAL DETECTOR INPUTS FOR PUFFIN P.O.S.
NOTE:
1. When installed on a steel pole, meter box, consumer mains and all associated brackets should be insulated from pole.
2. When installed on a concrete pole, meter box, consumer mains and all associated brackets to be attached using steel straps or other approved method.
3. Meter box to be attached to supply pole by approved method.

CONNECTION AS PER
TASNETWORKS D-OH1-1.636

V.R. DETECTOR PIT OR
APPROVED EARTH PIT
TO BE INSTALLED IF
CONTROLLER IS LOCATED
GREATER THAN 3000
FROM SUPPLY POLE

EARTH STAKE

GROUNDED NECK

25 G.I.W.P. FOR EARTH

25 G.I.W.P. FOR SUB MAINS

GROUND LEVEL

600 MINIMUM
NOTES:
1. UNDERGROUND CONDUITS TO BE HEAVY DUTY RIGID UPVC, ORANGE FOR ELECTRICAL, WHITE FOR COMMUNICATIONS.
2. TRENCHING BENEATH ROAD AREAS TO BE BACKFILLED AND COMPACTED AS SPECIFIED SEPARATELY.
3. WHEN DEPARTMENT OF STATE GROWTH DISTRIBUTION CABINET INSTALLED, POINT OF SUPPLY FOR TRAFFIC SIGNALS TO BE TAKEN FROM DISTRIBUTION CABINET.
WARNING
240v CABLE in 100mm dia. CONDUIT
1.2m BELOW GROUND LEVEL.
VIRCROADS (EMERGENCY CONTACT)
TELEPHONE 13 11 70

NOTES:
1. SIGN MATERIAL TO BE ALUMINIUM SHEET 0.6mm MIN THICKNESS.
2. LETTERS OF 18mm MIN. HEIGHT STAMPED INTO ALUMINIUM SHEET.
3. INSTALLATION OF SIGN TO BE IN ACCORDANCE WITH ITEM 2.1D OF THE RAILWAYS OF AUSTRALIA CODE.
4. SIGN TO BE MOUNTED USING 2 NO. SINGLE SIDED CLAMPS. REFER TABLE 7.3 IN T.E. MANUAL VOL. 21

SUPERSEDES ORG. No. 85 4038

STANDARD DRAWING
UNDERGROUND CONDUIT WARNING SIGN

TRAFFIC AND ROAD USE MANAGEMENT DEPARTMENT

TRAFFIC SYSTEM OPERATION

CHECKED: DATE: 12.33.93
APPROVED: DATE: 12.33.93
SPECS: SHEET NO: DRAWING NO: AMENDMENT

TC-1208
Programming is performed by removal of components using side cutters (12 cuts per bit).

For SITE NUMBER a binary-weighted one is created by removal of a component.

For REVISION NUMBER components are successively removed starting with 8. The last removed component indicates the revision number.
NOTES:

1. WHERE SPARE CORES ARE ALLOCATED FOR A SPECIFIC PURPOSE
   SUCH SHALL BE RECORDED ON VICROADS SITE PLAN ONE COPY
   REMAINING IN THE CONTROLLER AND TWO COPIES TO BE
   SUPPLIED TO VICROADS.

2. INSTALLATION DESIGN NEEDS TO ACCOMMODATE THESE WIRING ARRANGEMENTS.
   PEDESTALS NEED TO BE PLACED TO ENSURE THIS TYPE OF CABLING
   ARRANGEMENT CAN BE ACHIEVED.

GENERAL NOTES / CROSS REFERENCES
UNSPECIFIED DIMENSIONS ARE IN mm.
NOTES:

1. WHERE SPARE CORES ARE ALLOCATED FOR A SPECIFIC PURPOSE SUCH SHALL BE RECORDED ON VICROADS SITE PLAN ONE COPY REMAINING IN THE CONTROLLER AND TWO COPIES TO BE SUPPLIED TO VICROADS.
EXTRA LARGE PIT AND LID
(REFER TO TABLE FOR DIMENSIONS OF SMALL AND LARGE PITS.
EXTRA LARGE PIT SHOULD BE USED FOR ALL NEW INSTALLATIONS)

NOTES:
1. PIT ACCESS COVER AND FRAME TO COMPLY WITH AS 3996 - CLASS B
   UNSEALED (STANDARD): SOLID TOP OR RECESSED WITH CONCRETE OR OTHER FILL.

2. INSCRIPTIONS ON THE COVER ARE TO BE CAST, IMPRINTED OR AFFIXED BY AN
   APPROVED METHOD AND BE OF HIGH DURABILITY AND LEGIBILITY. UNLESS
   OTHERWISE SPECIFIED, THE TEXT SHALL BE IN UPPER CASE LETTERING
   MINIMUM 20 HIGH. THE REQUIRED INSCRIPTION MUST BE SPECIFIED WHEN ORDERING.
   INSCRIPTION MUST READ "TRAFFIC SIGNALS 240V" AS SHOWN.

3. PIT LID: TOP SURFACE SHALL MEET SKID RESISTANCE REQUIREMENTS FOR CLASS X
   AS DETAILED IN TABLE 2 OF AS/NZS 4586 FOR SLIP RESISTANCE CLASSIFICATION
   OF NEW PEDESTRIAN SURFACE MATERIALS.

4. EXTRA LARGE PIT AND LID SHOULD ALWAYS BE USED FOR NEW INSTALLATIONS. SMALL PIT
   USED FOR REMEDIATION ONLY AND EXTRA SMALL PIT FOR DETECTOR PIT ONLY.

TRAFFIC SIGNAL 240V

DIMENSIONS (mm)

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<th></th>
<th>EXTRA LARGE</th>
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<td>LENGTH</td>
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<td>50</td>
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NOTES:
1. AVOID DEFORMATION DURING COMPACTION SUCH THAT THE MINIMUM
   DIMENSION EXCEEDS 200.
2. ENDS OF CONDUIT TO BE TRIMMED NEATLY AND FREE FROM SHARP
   EDGES OR BURRS.
3. ADEQUATE DRAINAGE TO AN APPROVED OUTLET SHALL BE PROVIDED.
4. BASE ENTRY TO BE USED ONLY WHERE DEEP CONDUIT RUNS ARE REQUIRED.

MATERIALS REQUIRED PER PIT:
- CABLE PIT FORMER
- ACCESS COVER AND FRAME WITH COVER SUITABLY INSURED AS PER SPECIFICATION.
- HEAVY DUTY ORANGE OR WHITE CONDUIT AS REQUIRED
- REINFORCEMENT RINGS, 750 dia. and 900 dia. wire with eight ligature.
- CONDUIT JOINING CEMENT, CRUSHED ROCK, CONCRETE MORTAR ETC. AS REQUIRED.

SECTION X-X

STANDARD SIDE ENTRY

DEPTH AS REQUIRED

LARGE RADIUS BEND

BASE ENTRY

THIS DRAWING SUPERSEDES No. 854042 (IN PART)
NOTES

1. LOOP DETECTOR CABLE AND FEEDER CABLE SHALL BE JOINTED IN DETECTOR PIT.
   EACH JOINT MUST BE SEPARATELY INSULATED WITH AN APPROVED PERMANENT METHOD
2. ALL FEEDER CABLES SHALL BE LABELED WITH APPROVED CABLE MARKERS WITH LOOP NUMBER
3. THE LOOP CABLE SHALL BE INDIVIDUAL RAN WIRES JOINED TO MAKE A LOOP.
4. LOOP CABLES SHALL BE INSTALLED IN NUMERIC ORDER AS SHOWN IN DETAIL A. ONE
5. DOUBLE TURN OF CABLE SHALL BE INSTALLED FOR BOTH LOOP A AND LOOP B.
   WHERE PAVEMENT SURFACE IS UNSUITABLE, LOOPS MAY BE SET BACK UP TO 4M FROM STOP LINE
INSTALLATION IN VERGE

2m NOM

50mm BEND

REINSTATE PAVEMENT, SHOULDER AND VERGE

APPROX. 50mm BELOW ASPHALT SURFACE

SLOT SEALANT

50mm UPVC ORANGE CONDUIT, EXTENDING INTO PIT APPROX 30

REINSTATE PAVEMENT, SHOULDER AND VERGE

THIS DIMENSION MAY BE REDUCED IF REQUIRED TO ACCOMODATE NARROW VERGE
4 MILD STEEL PLATES (BLACK)
50mm x 300mm
WELDED AS SHOWN.

M24 COARSE THREAD "U" BOLTS
NUTS OMITTED FOR CLARITY
Dia of hole is 26mm

32 x 6 x 300 MS PLATE (BLACK)
WELDED TO "U" BOLTS AS SHOWN.

3 V/32
ALL 4 CORNERS

350 P.C.D.
ALL 4 CORNERS

3 V/32

PLAN

PUNCH ON ALL BOLT ENDS:
CS FOR COMMERCIAL GRADE

SPRING WASHER

FLAT WASHERS

COMMERCIAL GRADE BOLTS (TO AS 1111)

HIGH STRENGTH BOLTS (TO AS 1252)

50 x 3 x 300MS PLATE
DRILLED 2 96MM DIAMETERS
DO NOT WELD HIGH STRENGTH BOLTS

500
272
75
248
248
120
248
75
3 V/32
STANDARD DRAWING
RAG BOLT ASSEMBLY FOR CABINET
M12 600 x 400 x 255
DRAWING ADAPTED FROM VICROADS STANDARD DRAWING TC-1603

4 No. 12mm RAG BOLTS, 600 LONG

4 No. 6x32 BLACK STEEL STRAP WELDED TO RAG BOLTS.

SEE DETAIL A

M12 COARSE THREAD BOLTS EACH ASSEMBLED WITH 2 NUTS, 2 FLAT WASHERS AND ONE SPRING WASHER ALL ZINC PLATED OR GALVANISED

SEE DETAIL B

AT EACH END OF EACH STRAP
OVERALL SIZE OF SIGN (mm): 100 x 285
SURFACE AREA OF SIGN (sq m): 0.029

NOTES (As applicable)
- All Dimensions are in millimetres.
- The Sign Material is to be, or its equivalent. 3M Scotchcal 7725-120, Satin Aluminium
- Adhesive back to comply with AS 1906.1
- Legend and symbol - BLACK
- Sign to be manufactured in accordance with VICROADS Specification 860.

GRID MODULE - 2mm
WALK
WITH CARE

DO NOT CROSS

CROSS WITH CARE

COMPLETE CROSSING
DO NOT START
TO CROSS

OVERALL SIZE OF SIGN (mm): 124 x 331
SURFACE AREA OF SIGN (sq m): 0.041

NOTES: (As applicable)
- All Dimensions are in millimetres
- The Sign Materials to be, or its equivalent, 3M Scotchlite Film Series 7725, White 7725-10
- Adhesive back to comply with AS 1906.1
- Border and medium - BLACK
- Panel A - "WALK" - NON-REFLECTIVE STD. GREEN
  - "WITH" - BLACK
  - "CARE" - NON-REFLECTIVE RED
- Panel B - Diagrammatic
  - Symbol - NON-REFLECTIVE RED
  - Border - BLACK
- Legend - BLACK
- Panel C - Diagrammatic
  - Symbol - NON-REFLECTIVE STD. GREEN
  - Border - BLACK
  - Legend - BLACK
- Panel D - Diagrammatic
  - Symbol and legend - NON-REFLECTIVE RED
  - Border - BLACK
- Panel E - "VIC" - NON-REFLECTIVE STD GREEN
  - "ROADS" - BLACK
- Sign to be manufactured in accordance with VICROADS Specification 860,

Supercedes Drawing No. 445832 (May 2002)

PEDESTRIAN LABEL

Intelligent Transport Systems

CHICAGO: 8/21/2002

PEDESTRIAN LABEL

S.F. PORTAL: MAY 2002

APPROVED

0.29MB/28 Aug 2002

VICROADS: 8/21/2002

G. S. McLean

9/10/2002

INTENDED WITH V/H LENS
1. Dimensions shown are in millimeters, UNO.

2. Marker tape 100mm wide complying with AS/NSZ 2681:1.279 Part 8 186% coloured orange with black lettering "danger buried electric cable below" inscribed at regular intervals. Installed 300mm above the conduits in all trenches where electrical conduits are provided.

3. Where both electrical and communication conduits are provided in a trench, two marker tapes shall be provided: one for electrical and the other for communication conduits. Where electrical tape is on top, electrical conduits shall be white with red markings, and communication conduits shall be yellow with green markings.

4. All conduits shall be heavy-duty UPVC and in accordance with AS/NSZ 2682. Communication conduits shall comply with AS/NSZ 2683 (complementary conduits shall be white). Conduits shall be white. Electrical conduits shall be orange. Unless noted otherwise, minimum internal diameter is 100mm. All conduits shall be provided with a draw string secured at the ends.

5. Nominate backfill for trenching in existing pavement — stabilised sand. Nominate backfill for trenching under new pavement — compacted backfill or stabilised sand.

6. Where cover nominated on alignment plans is less than 600mm to electrical conduits, written consent from Energy Safe Victoria must be sought and obtained prior to conduit installation.

**KEY**

- Electrical Conduit
- Communication Conduit