ROAD DESIGN
PRESENTATION STANDARDS

DP012
TRAFFIC SIGNAL CONDUIT

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DEPARTMENT OF
PLANNING, TRANSPORT
AND INFRASTRUCTURE

Government of South Australia
Department of Planning,
Transport and Infrastructure

Document Amendment Record

Rev	Change Description	Date	Author	Checked	Authorised
1	Initial Issue	23 December 2011	Natasha Stone Alison Freer	Jeremy Champion	Noel O'Callaghan
2	Design line marking, signal pole numbers and schedule added	17July 2012	Natasha Stone Alison Freer	Greg Gurner	Noel O'Callaghan
3	Scale of example drawing changed from 300 to 200	13 September 2012	Natasha Stone Alison Freer	Greg Gurner	Noel O'Callaghan
4	Drawing Type name made consistent with official naming.	31 October 2013	John Hastie	Greg Gurner	Noel O'Callaghan
5	PTSP points changed and Long/Lat added	21 January 2014	Natasha Stone	Greg Gurner	Noel O'Callaghan

Document Management

To be read in conjunction with CAD Manual & Presentation Guidelines DP001
(Master Specification PC-EDM7)

DP012 TRAFFIC SIGNAL CONDUIT

1 Purpose

1.1 The 'Traffic Signal Conduit' drawing is used to show a diagrammatic layout of the conduit connecting the traffic signal infrastructure.

1.2 For examples of this standard see attached drawings

2 Content

2.1 Layers to be shown as per the DPTI Layer Matrix (DP001)

2.2 The following CAD entities are required:

a) All information in DP001 – General Requirements.

b) Symbols showing the detector loops. (layer = D-ELEC-Signal Loop Detector)

c) Symbols showing the signal pole locations. (layer = D-ELEC-Signal Pole)

d) Text identifying signal pole. (layer = D-ELEC-Signal Pole ID number, Block provided)

e) Symbols showing the switchboard. (layer = D-ELEC-Signal Pits)

f) Text identifying supply points. (layer = D-ELEC-Service Point ID label)

g) Lines showing the signal conduit. (layer = D-ELEC-Signal Conduit)

h) Text showing the signal conduit (number & size). (layer = D-ELEC-Signal Conduit Label)(Paper Space text height=2.5mm)

i) Symbols showing the signal pits. (layer = D-ELEC-Signal Pits)

j) Lines showing the combined lighting and signal conduit. (layer = D-ELEC-Combined Lighting Signal Conduit)

k) Text showing the combined lighting and signal conduit (number & size). (layer = D-ELEC-Combined Lighting Signal Conduit+Label)(Paper Space text height=2.5mm)

l) Symbols showing the combined lighting and signal pits. (layer = D-ELEC-Combined Lighting Signal pits)

m) Schedule showing "Signal Pole Mast Arm and Combined Pole Details" (layer = D-ENHA-Schedules)

2.3 Survey on the Traffic Signal Conduit Drawing shall be trimmed (i.e. survey detail should only be shown outside the extents of the design)

2.4 Existing Services shall be shown untrimmed)

NOTES:

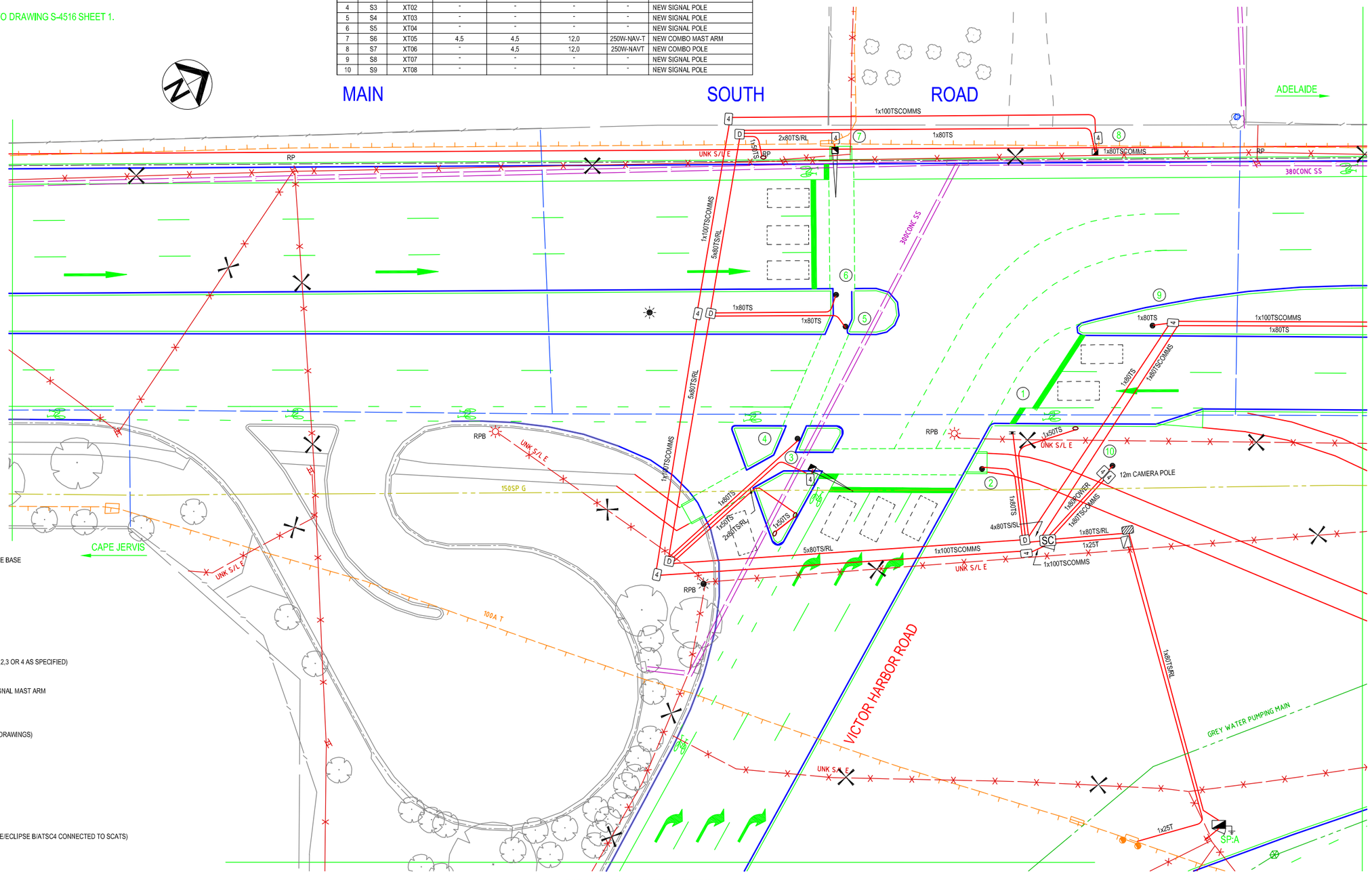
1. ALL SIGNAL CONDUIT TO BE 'CATEGORY A' UNDERGROUND PVC.
2. TELSTRA CONDUIT TO CONFORM TO AUSTRALIAN STANDARD 'AS 1477 PVC PIPES AND FITTINGS FOR PRESSURE APPLICATIONS' CLASS 12 WHITE.
3. FOR PIPEWORK DETAILS REFER TO DRAWING S-4516 SHEET 1.

SIGNAL POLE, MAST ARM AND COMBINATION POLE DETAILS

ID	SET OUT PTSP PT	SET OUT ORIENTATION	MAST ARM OUTREACH	LIGHTING OUTREACH	LIGHT POLE MOUNTING HEIGHT	LAMP TYPE	COMMENTS
1	N/A	N/A	-	-	-	-	STOBIE POLE - EXISTING
2	S1	XT00	-	-	-	-	NEW SIGNAL POLE
3	S2	XT01	5.5	4.5	12.0	250W-NAV-T	NEW COMBO MAST ARM
4	S3	XT02	-	-	-	-	NEW SIGNAL POLE
5	S4	XT03	-	-	-	-	NEW SIGNAL POLE
6	S5	XT04	-	-	-	-	NEW SIGNAL POLE
7	S6	XT05	4.5	4.5	12.0	250W-NAV-T	NEW COMBO MAST ARM
8	S7	XT06	-	4.5	12.0	250W-NAVT	NEW COMBO POLE
9	S8	XT07	-	-	-	-	NEW SIGNAL POLE
10	S9	XT08	-	-	-	-	NEW SIGNAL POLE

CIRCUIT DETAILS

SUPPLY POINT	SERVICE POINT MEN	CIRCUIT	LAMPS	LAMPS VDROP/ZLOOP
FOR CIRCUIT DETAILS REFER TO DRAWING 1234, SHEET 252				



LEGEND

SYMBOL	DESCRIPTION
	LIGHT POLE BASE - INSTALL
	LIGHT POLE BASE - EXISTING
	COMBINATION LIGHTING / SIGNAL POLE BASE
	STOBIE POLE - EXISTING
	REMOVE
SP	SERVICE POINT - UNDERGROUND
SP	SERVICE POINT - ON STOBIE POLE
	SWITCHBOARD: DTEI EARTHED
	SERVICE PIT: LOCKABLE
	DRAW IN PIT / JUNCTION PIT - (TYPE 1,2,3 OR 4 AS SPECIFIED)
S D	TRAFFIC SIGNAL PIT
	COMBINATION LIGHTING / TRAFFIC SIGNAL MAST ARM
	CABLE: ETSA - UNDERGROUND
	CABLE: ETSA - OVERHEAD
	CONDUIT - INSTALL (TRAFFIC SIGNAL DRAWINGS)
TS	TRAFFIC SIGNAL
RL	ROAD LIGHTING
TSCOMMS	TRAFFIC SIGNAL COMMUNICATIONS
T	EXTERNAL TELECOMMUNICATIONS
	SIGNAL POLE BASE
	RED LIGHT CAMERA POLE BASE
SC	SIGNAL CONTROLLER (PSC(C)/ECLIPSE/ECLIPSE B/ATSC4 CONNECTED TO SCATS)
	DETECTOR PIT
	UNDERGROUND SERVICE PIT
	TELSTRA PIT SMALL
	TELSTRA PIT LARGE

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE
3	PTSP PT'S CHANGED AND SHEET LAT - LONG ADDED	MR	GG	J.LANE	11.12.13
2	SCALE OF DRAWING CHANGED FROM 300 TO 200	AF	GG	J LANE	13.09.12
1	DESIGN LINEMARKING, SIGNAL POLE NUMBERS, & SCHEDULE ADDED.	AF	GG	J LANE	17.07.12

100 MILLIMETRES ON ORIGINAL DRAWING — ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

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PROJECT No.: 15609	FILE No.: 08/11906
DESIGN No.: 20090265	SURVEY No: 20090551
PROJECT START ROAD RUNNING DISTANCE: CH 00 = 0.66km (RN 4673)	
PROJECT END ROAD RUNNING DISTANCE: CH 1130 = 39.8km (RN 6203)	
SCALES: 4 0 2 4 6 8	

DESIGNED: AA CHECKED: BB
DRAFTED: CC CHECKED: DD
ACCEPTED FOR USE: A.SMITH TITLE: MANAGER DATE: 30/02/2012
ACCEPTANCE FORM KNET No.: 12345678 IN ACCORDANCE WITH DP013

ROAD No. 4763 / 4760
MAIN SOUTH ROAD
JUNCTION VICTOR HARBOR ROAD; NOARLUNGA
MC00; CH 160 - CH 360
TRAFFIC SIGNAL CONDUIT

SIGNAL No.: TS 999

DRAWING No.: 1234 SHEET No.: 248 AMEND No.: 3

UNCONTROLLED COPY WHEN PRINTED

SHEET LATITUDE -35.182979 SHEET LONGITUDE 138.493798

CAD FILE NAME: DP012 EXAMPLE 1DWG