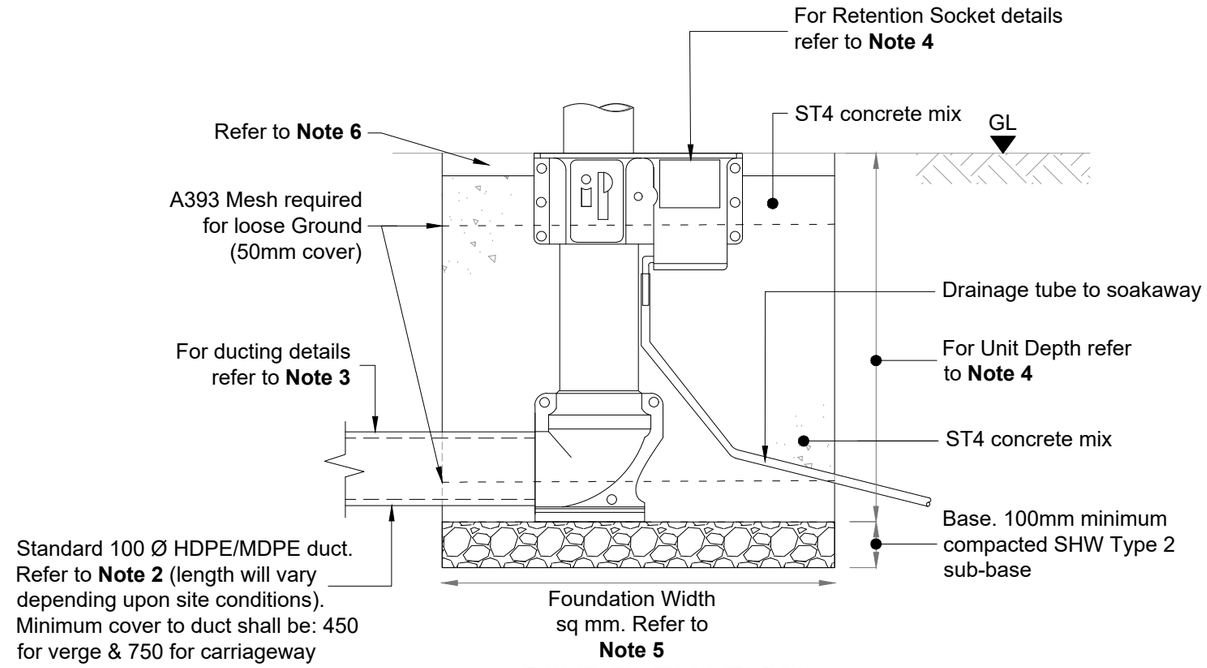
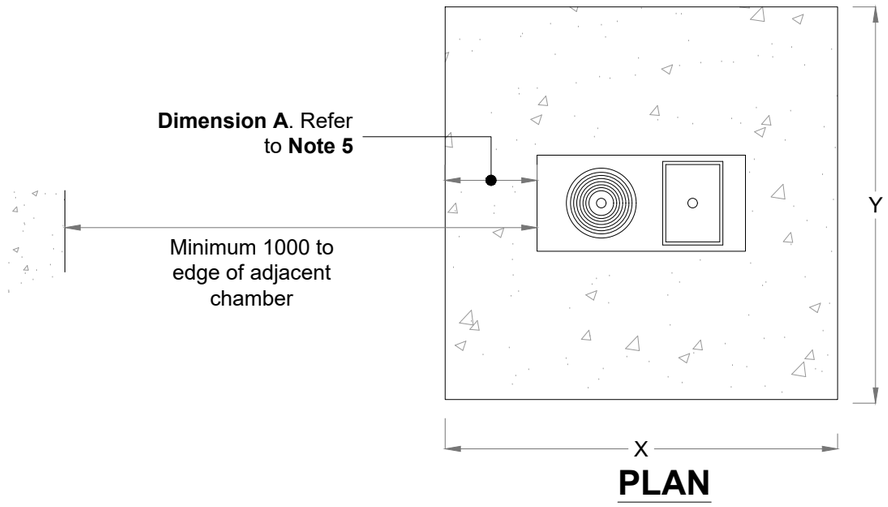


SIDE ELEVATION



PLAN

Retention Socket Depth		300mm		450mm		600mm		750mm		900mm		1050mm		Dimension A
Retention Socket Size (See note 8)	Max Post Height	Foundation Width mm												
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	
RS115	6m	1200	1200	1000	1000	850	850	750	750	680	680	-	-	200mm
RS140	8m	1390	1390	1190	1190	1080	1080	1000	1000	940	940	-	-	200mm
RS145	10m	1680	1680	1450	1450	1320	1320	1220	1220	1150	1150	-	-	200mm
RS159	10m	1730	1730	1500	1500	1360	1360	1260	1260	1190	1190	-	-	250mm
RS168	10m	1760	1760	1520	1520	1380	1380	1280	1280	1210	1210	-	-	250mm
RS177	10m	1780	1780	1550	1550	1400	1400	1310	1310	1230	1230	-	-	250mm
RS193	12m	1820	1820	1590	1590	1440	1440	1340	1340	1270	1270	1210	1210	300mm
RS200	12m	2130	2130	1850	1850	1690	1690	1570	1570	1480	1480	1410	1410	300mm
RS219	12m	2190	2190	1900	1900	1740	1740	1620	1620	1520	1520	1450	1450	300mm
RS226	14m	2440	2440	2130	2130	1950	1950	1810	1810	1710	1710	1620	1620	300mm
RS250	14m	2520	2520	2200	2200	2000	2000	1850	1850	1750	1750	1660	1660	300mm

TABLE 1 - RETENTION SOCKET IN SOLID GROUND FOUNDATION DIMENSIONS

Retention Socket Depth		300mm		450mm		600mm		750mm		900mm		1050mm		Dimension A
Retention Socket Size (See note 8)	Max Post Height	Foundation Width mm												
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	
RS115	6m	1600	1600	1400	1400	1200	1200	1040	1040	1100	1100	-	-	200mm
RS140	8m	1600	1600	1400	1400	1280	1280	1200	1200	1140	1140	-	-	200mm
RS145	10m	1900	1900	1670	1670	1530	1530	1430	1430	1360	1360	-	-	200mm
RS159	10m	1940	1940	1720	1720	1570	1570	1480	1480	1400	1400	-	-	250mm
RS168	10m	1970	1970	1740	1740	1590	1590	1490	1490	1420	1420	-	-	250mm
RS177	10m	2000	2000	1760	1760	1620	1620	1520	1520	1440	1440	-	-	250mm
RS193	12m	2040	2040	1800	1800	1660	1660	1550	1550	1480	1480	1410	1410	300mm
RS200	12m	2350	2350	2070	2070	1910	1910	1780	1780	1690	1690	1620	1620	300mm
RS219	12m	2410	2410	2120	2120	1960	1960	1830	1830	1740	1740	1660	1660	300mm
RS226	14m	2430	2430	2140	2140	1980	1980	1850	1850	1750	1750	1680	1680	300mm
RS250	14m	2500	2500	2200	2220	2020	2020	1890	1890	1790	1790	1720	1720	300mm

TABLE 2 - RETENTION SOCKET IN LOOSE GROUND FOUNDATION DIMENSIONS

Notes:

1. All dimensions are in millimetres (mm) unless otherwise stated.
2. All ducting between chambers and signal poles to be 100mm dia, orange in colour and clearly marked 'Traffic Signals'. The duct is to be laid with the wording face upwards.
3. All 100mm dia. ducting to be smooth walled inside, with a minimum wall thickness of 5mm.
4. For details of Retention Socket refer to Drawing No. TSCADSTD-ATK-HTS-CHAMBER-DR-D-0003.
5. Refer to **Table 1** for dimensions of the Retention Socket Foundation in solid ground and **Table 2** for dimensions of the Retention Socket Foundation in loose ground. Refer to **Dimension A** within the appropriate foundation dimension table for the minimum distance to edge of concrete pad.
6. Retention Socket surround to be ST4 Concrete Mix. In unmade ground the ST4 concrete surround to be finished using shuttering to produce a squared off finish level with the surrounding ground. Surface to be brush textured, with a trowelled bullnose edge. In made ground reinstatement to match surrounding area.
7. Retention Sockets shall be installed so that the pole is vertically straight. The use of a 'dummy' pole and spirit level shall be used during installation.
8. For socket size NAL retention sockets have been used for guidance. Other manufactures are available.

DO NOT SCALE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION
NONE

MAINTENANCE/CLEANING
NONE

DECOMMISSIONING/DEMOLITION
NONE

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

Rev.	Date	Description	By	Chk'd	App'd
P1	22.06.16	FOR INFORMATION	BP/JH	MY	BP

Drawing Status: FOR INFORMATION
Suitability: S2

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Client: ATKINS

Project Title: TRAFFIC SIGNAL CAD STANDARDS

Drawing Title: STANDARD DETAIL RETENTION SOCKET FOUNDATION DETAIL

Scale	Designed	Drawn	Checked	Authorised
1:10	BP	JH	MY	BP
Original Size	Date	Date	Date	Date
A3	22/06/16	22/06/16	22/06/16	22/06/16

Drawing Number: Project TSCADSTD - Originator ATK - Volume HTS - Location SOCKET - Type DR - Role D - Number 0001
Project Ref. No.: TSCADSTD
Revision: P1

O:\H and T\GBLOW\Intelligent Transport Systems\Signals\ITS SOUTH SIGNALS TEAM FOLDER\ITS CAD\SD drawings\Drawing\TSCADSTD-ATK-HTS-SOCKET-DR-D-0001.dwg: Plotted by: HORN2943 Date: Jun 06, 2018 - 3:36pm