

The University of Newcastle

Infrastructure and Facilities Services

Project Briefing Document

Surveying Design Standards

December 2024

Version 2.0

DOCUMENT CONTROL:

Document Revisions					
Revision	Date	Description	Prepared by:	Checked by:	Approved by:
1.0	September 2016	First Issue	Monteath & Powys	IFS	IFS
2.0	December 2024	Review Design Standards 2024	Monteath & Powys	Anne Jokinen-King Adam Masterson	Matt McMillian

Revision Summary	
Revision	Change summary
1.0	First issue of land surveying standards
2.0	Updated to detailed surveying standards

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1 INTRODUCTION

The IFS Project Briefing Document – Surveying Design Standards sets out the University of Newcastle's (UON) requirements for undertaking detail surveying activities on any of its sites.

2 SCOPE

These standards describe the requirements for the conduct and delivery of detail surveying services for UON. The standards outline the following:

- a. Technical requirements: Identifies the standards for the establishment of survey control and specific requirements for capturing features.
- b. Management requirements: Defines the requirements for the management of communication, site access, intellectual property, WHS, etc.
- c. Delivery requirements: Outlines the data and formats to be delivered from survey activities.

3 GLOSSARY OF TERMS

AHD	Australian Height Datum
AS5488	Australian Standard 5488 – Classification of Subsurface Utility Information
DTM	Digital Terrain Model
GFIS	Graphical Facilities Information System
IFS	Infrastructure & Facilities Services
ISG	Integrated Survey Grid
MGA	Map Grid of Australia
QL	Quality Level
RL	Reduced Level
SUI	Subsurface Utility Information
TfNSW	Transport for NSW
UON	University of Newcastle
WHS	Work Health & Safety

4 AUTHORITIES AND RESPONSIBILITIES

This standard is issued by IFS. It is approved by the Associate Director – Campus Services IFS. The IFS Campus Services team are responsible for maintaining the Standard and keeping it up to date. The Standard must be reviewed biennially.

5 TECHNICAL REQUIREMENTS

The current UON survey model for the Callaghan and Ourimbah campuses is maintained in 12D and is updated with each new survey. To facilitate integration with the existing models, all data processing and exports must be completed in 12D following the requirements set out within this standard for seamless data transfer.

5.1 SURVEY CONTROL

Existing Survey Control is established for the Callaghan and Ourimbah Campuses. No survey control is currently established for other campuses. Any survey undertaken must be completed based on established survey control where available.

5.1.1 Callaghan Campus

The most recent significant site survey was completed in 2010 by Monteath & Powys, with minor updates in January 2016. The survey established a primary and secondary control network throughout the Callaghan campus. A closed loop traverse was completed following the Ring Road, with secondary control placed throughout the campus.

The origin of survey is PM58001 adopting an azimuth from PM58001 to PM58002. The survey control is on Ground Integrated Survey Grid (ISG) co-ordinates and Australian Height Datum (AHD) levels. Refer to **Appendix A** for the survey control plan.

5.1.2 Ourimbah Campus

A survey control network was established in May 2015 at the Ourimbah campus by Monteath and Powys. A closed loop survey established primary control marks around Loop Road. Further marks were established on Brush Road and Chittaway Road.

The origin of survey is SSM110651. The survey control is on Ground ISG co-ordinates and AHD levels. Refer to **Appendix B** for the survey control plan.

5.1.3 Establishing New Survey Control

New survey control stations must be placed in suitable locations and marked in a durable manner. Stations should be clearly visible on site, labelled and easily identifiable for future recovery of the survey. The following types of survey marks may be used:

- Drill holes in concrete;
- Masonry nails;
- Galvanised iron nail (GIN) in asphalt;
- Galvanised iron pipe (GIP) in areas where no hardstand is present; and
- Metal spikes.

An excavation permit is required from IFS prior to placing pegs, nails, and pipes.

Distances between survey stations established on site shall not exceed 200 metres. Survey stations must be traversed in a closed loop format, connecting to at least three existing survey control marks which must consist of one primary control marker. A minimum of 3 rounds of angles must be observed with a calibrated EDM instrument and atmospheric corrections must be applied.

Details of control marks placed must be provided to UON in CSV & PDF format, including the mark number, easting, northing, RL, type of mark placed, and a location sketch or suitable aerial image. Any discrepancies identified in existing control or marks destroyed must be reported to UON.

5.1.4 Coordinates and Levels

Given the historic nature of survey works at UON, all surveys completed on the Callaghan and Ourimbah campuses shall be on ISG coordinates. All other campuses shall be completed on ground MGA2020 co-ordinates. All campuses shall be on AHD levels.

5.1.5 Accuracy

All survey work shall be to the accuracies identified in Table 1.

TABLE 1: SURVEY ACCURACY

	Horizontal	Vertical
Hardstand	+/- 10mm	+/- 10mm
Non-hardstand	+/- 30mm	+/- 30mm

5.2 FEATURES

5.2.1 Feature Coding

All features must be named in accordance with the UoN SCLv01 document in **Appendix C**.

5.2.2 Buildings

Both temporary and permanent buildings must be captured. Buildings shall be defined by:

- The line of the exterior face of the external walls at ground level;
- For upper levels, any features extending beyond the exterior face (balconies, footbridges, etc) and the extent of the roof line; and
- Building floor levels, walkways, openings, gutters, eaves, awnings, and ridge heights.

5.2.3 Structures

The location and elevation of permanent and temporary structures shall be captured, including but not limited to:

- Street lighting, seats, bicycle racks, bins, telephones, signs, tables, planter boxes, shade cloths, etc.;
- Manholes, hydrants, service covers, service markers, vent pipes, inspection chambers, cable draw pits, etc.;
- Drains or gullies, cuttings and embankments, mounds, and terraced slopes, etc.;
- Retaining walls, fences, ramps, stairs, guard rails, bollards, hoardings, etc.; and
- Hard landscape features, retaining walls, garden edging, paths, etc.

5.2.4 Roads

All roads and pathways shall be captured, including the location and elevation of additional features such as driveways, pram ramps and guard rails. Profiles shall be taken at a maximum of 10 metre intervals including the following features:

- Footpath;
- Back of kerb;
- Top of kerb;
- Gutter;
- Invert and edges of dish drains;
- Edge of road;
- Lane lines and road marking symbols; and
- Centre line and/or crown of road.

Figure 1 shows the required survey points for locating kerbs.

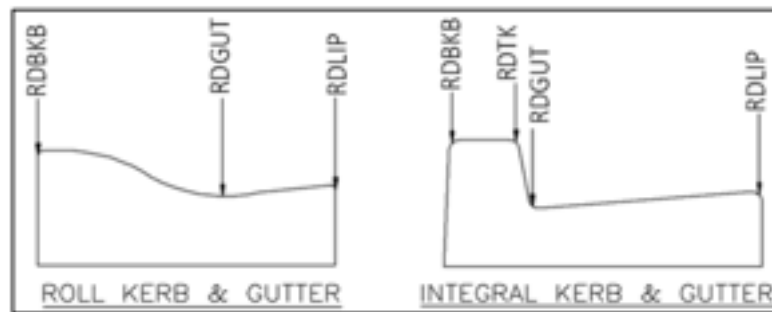


FIGURE 1: PROFILE LOCATION OF KERBS

For kerbs and gutters and the top and toe of banks, shots must be taken in sections, spaced so the versine is <50mm. Strings should not cross. An example is shown in Figure 2.

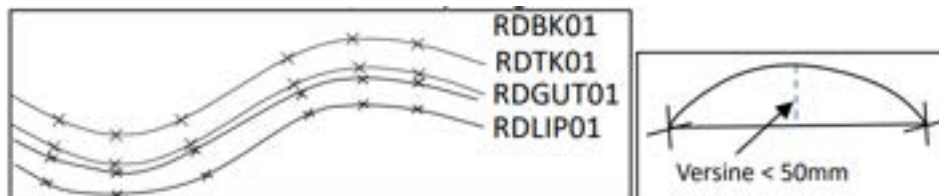


FIGURE 2: STRING LOCATION OF KERBS AND VERSINE

5.2.5 Geotechnical

Surface levels shall be captured at borehole locations for geotechnical engineers.

5.2.6 Topography

Topographic features shall be surveyed for the creation of a surface model, including:

- Spot levels shall be taken at a maximum grid interval of 10 x 10 metres.
- Contours for the area shall be shown at 0.2 metre intervals.
- Slopes and earthworks shall be surveyed to reflect all changes in slope, showing spot levels along changes in grade at maximum 10 metre intervals.

5.2.7 Vegetation

All trees and other vegetation within the survey area shall be captured. Where asset tags are present on vegetation, the tag number must be recorded. Additional tag attributes such as species should also be recorded when present.

Individual trees with a height and/or spread greater than 2 metres, or trunk diameter greater than 100mm at 1 metre above ground level shall have the canopy spread, height and trunk diameter captured. For clustered trees, the edge of canopy shall be surveyed. Tree information is to include position, height, breadth, and trunk diameter. The height, breadth, and trunk diameter shall be recorded as shown in Figure 3.



FIGURE 3: TREE ATTRIBUTE CAPTURE AND LABELLING

5.2.8 Visible Services

Visible services not requiring non-destructive excavation identification (potholing) are to be surveyed, such as overhead powerlines, pits, manholes, etc. The AS5488 quality level for visible services shall be defined as QL-A at the point of survey.

Pit covers shall be lifted to capture invert/obvert levels and conduit/pipe sizes. Pits less than 1 metre in dimension shall be surveyed by one point in the centre. Pits greater than 1 metre in size shall be surveyed as a closed polygon around the pit. Photos shall be captured and included for delivery.

Where pits less than 1 metre in size are located in critical areas or clustered in close proximity, the pits shall be surveyed as a closed polygon to provide details on pit size, orientation and proximity to surrounding features.

For pits and headwalls, a pipe observation with invert and obvert levels shall be taken to record attributes for pipe diameter and material. Pipe diameter must be measured perpendicularly across the pipe by tape as an independent check. An example of points to measure are shown in Figure 4.

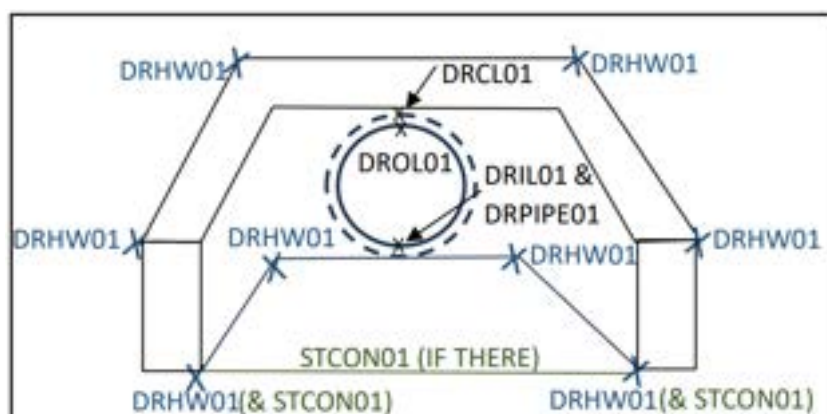


FIGURE 4: PROFILE LOCATION OF A DRAINAGE HEADWALL

5.2.9 Underground Services

An accredited service locator must conduct a survey of all services within the survey area. All personnel conducting SUI surveys must be trained and accredited according to the standards set by the relevant utility owners or

operators. All work must adhere to AS5488, and services shall be annotated with quality level, diameter and material attributes.

The service locator must collaborate directly with the surveyor to ensure all services and relevant information has been surveyed and is accurately represented.

UON has a significant amount of underground services information from GFIS data and ongoing surveys at the Callaghan and Ourimbah campuses. This information will be provided before work commences on site. Before-You-Dig-Australia (BYDA) searches shall also be completed by the surveyor and service locator. While UON has a reasonable understanding of the underground services at these campuses, unrecorded services may exist within the survey area. Limited information on inground services is available at other campuses.

The scope requires locating, identifying, and recording all in-ground services within the nominated area, including electrical, communications, data, sewer, stormwater, water, gas, fuel, traffic signals, underground structures (e.g. pits, service tunnels, tanks, etc). Services must be traced electronically to a minimum QL-B at <5 metre intervals. Any services that cannot be electronically traced must be positively identified by other means.

Stormwater and sewer systems must be surveyed to QL-A at all pits and manholes. This includes details such as pit depths, sizes, diameters, and invert levels. All services must be located and surveyed in accordance with the coding and layering requirements in **Appendix C**, with additional notes on details like pipe blockages, inaccessible pits, service owners, and any other relevant site information.

Before leaving site, the surveyor must cross-check data against the UON provided services information and BYDA, ensuring all services have been identified and have a known continuation.

Any difficulties or anomalies in service location, or potential for redundant or discontinuous services must be identified and reported to UoN.

5.2.10 Photographs

Photographs must be taken of the entire survey area and any items which are unusual or may be difficult to interpret. Photographs shall be taken of all service paint marking by service locators and all pits.

5.2.11 Service Markings

All service identification location is to be completed using erasable chalk paint (washable in water). No permanent marking products are to be used on any university sites.

6 MANAGEMENT REQUIREMENTS

6.1 WORK HEALTH AND SAFETY

UON prioritises WHS obligations and expects contractors to uphold these standards. Before commencing work, contractors must complete the mandatory UON Contractor Inductions, submit a Safe Work Method Statement and any relevant permits to work to the project manager/UON representative. All WHS requirements must be considered and included within the project quotation.

6.2 SITE ACCESS

Contractors must notify their UON representative prior to conducting activities and when leaving site. Access to land outside the survey area is prohibited without prior approval by UON.

6.3 INTELLECTUAL PROPERTY

Ownership of all intellectual property created for purposes of their contract is vested with UON. All data and derivatives from survey activities must be provided to UON in line with **Section 7 – Delivery Requirements**.

6.4 TRAFFIC CONTROL

Traffic control must be engaged by the survey company in accordance with UoN, TfNSW and Council requirements as needed.

7 DELIVERY REQUIREMENTS

7.1 DATA SET

All data must be provided in a 12D format consistent with the specification and model extract provided. Each vertex must include an attribute attached identifying the data source and date of survey.

Any points surveyed which do not contribute to the DTM must be made non-contourable within the 12D model.

Layers must be named in accordance with the UoN SCLv01 document in **Appendix C**.

7.2 FIELD NOTES

Complete field notes must be provided in a PDF format, outlining the following:

- Date of survey;
- Surveyors name;
- North point;
- Control used and placed, including the nature and position of marks used;
- Features located by survey, including description and important notes;
- All pit and pipe details including pit size, depth to invert and obvert, pipe sizes and directions; and
- Survey location and feature names, including surrounding roads, buildings, etc.

Field notes must be legible and readily intelligible for future use.

7.3 SURVEY CONTROL

Any marks placed, used for establishing control, or found destroyed must be provided for inclusion within the survey control plan in the format outlined in Table 2.

TABLE 2: SURVEY CONTROL INFORMATION

STN	EASTING	NORTHING	RL	MARK
1	366003.419	135195.237	26.431	PM58000

7.4 SURVEY HANDOVER

Upon completion of survey, all data is to be supplied to the UON Representative in accordance with the Surveying Design Standards.

SECONDARY CONTROL

STN	EASTING	NORTHING	RL	MARK
501	565085.548	135070.719	13.655	
502	565090.523	135069.829	19.154	
503	565092.567	135067.556	15.848	
504	565093.653	135067.562	15.652	
505	565094.263	135067.614	22.82	
506	565095.439	135068.618	16.278	
507	565096.585	135069.206	8.278	
508	565097.738	135069.812	10.282	
509	565098.884	135069.822	14.24	
510	565099.966	135069.532	24.325	
511	565100.436	135069.559	24.836	
512	565101.435	135069.597	27.181	DM
513	565102.087	135069.592	31.388	
514	565102.738	135069.592	31.388	
515	565103.389	135069.592	31.388	
516	565104.040	135069.592	31.388	
517	565104.691	135069.592	31.388	
518	565105.342	135069.592	31.388	
519	565105.993	135069.592	31.388	
520	565106.644	135069.592	31.388	
521	565107.295	135069.592	31.388	
522	565107.946	135069.592	31.388	
523	565108.597	135069.592	31.388	
524	565109.248	135069.592	31.388	
525	565110.000	135069.592	31.388	
526	565110.651	135069.592	31.388	
527	565111.302	135069.592	31.388	
528	565111.953	135069.592	31.388	
529	565112.604	135069.592	31.388	
530	565113.255	135069.592	31.388	
531	565113.906	135069.592	31.388	
532	565114.557	135069.592	31.388	
533	565115.208	135069.592	31.388	
534	565115.859	135069.592	31.388	
535	565116.510	135069.592	31.388	
536	565117.161	135069.592	31.388	
537	565117.812	135069.592	31.388	
538	565118.463	135069.592	31.388	
539	565119.114	135069.592	31.388	
540	565119.765	135069.592	31.388	
541	565120.416	135069.592	31.388	
542	565121.067	135069.592	31.388	
543	565121.718	135069.592	31.388	
544	565122.369	135069.592	31.388	
545	565123.020	135069.592	31.388	
546	565123.671	135069.592	31.388	
547	565124.322	135069.592	31.388	
548	565124.973	135069.592	31.388	
549	565125.624	135069.592	31.388	
550	565126.275	135069.592	31.388	
551	565126.926	135069.592	31.388	
552	565127.577	135069.592	31.388	
553	565128.228	135069.592	31.388	
554	565128.879	135069.592	31.388	
555	565129.530	135069.592	31.388	
556	565129.881	135069.592	31.388	
557	565130.232	135069.592	31.388	
558	565130.583	135069.592	31.388	
559	565130.934	135069.592	31.388	
560	565131.285	135069.592	31.388	
561	565131.636	135069.592	31.388	
562	565131.987	135069.592	31.388	
563	565132.338	135069.592	31.388	
564	565132.689	135069.592	31.388	
565	565133.040	135069.592	31.388	

STN	EASTING	NORTHING	RL	MARK
566	565133.690	135070.719	21.746	
567	565134.341	135070.719	18.919	
568	565134.992	135069.829	14.373	
569	565135.643	135069.829	14.373	
570	565136.294	135069.829	14.373	
571	565136.945	135069.829	14.373	
572	565137.596	135069.829	14.373	
573	565138.247	135069.829	14.373	
574	565138.898	135069.829	14.373	
575	565139.549	135069.829	14.373	
576	565140.200	135069.829	14.373	
577	565140.851	135069.829	14.373	
578	565141.502	135069.829	14.373	
579	565142.153	135069.829	14.373	
580	565142.804	135069.829	14.373	
581	565143.455	135069.829	14.373	
582	565144.106	135069.829	14.373	
583	565144.757	135069.829	14.373	
584	565145.408	135069.829	14.373	
585	565146.059	135069.829	14.373	
586	565146.710	135069.829	14.373	
587	565147.361	135069.829	14.373	
588	565148.012	135069.829	14.373	
589	565148.663	135069.829	14.373	
590	565149.314	135069.829	14.373	
591	565149.965	135069.829	14.373	
592	565150.616	135069.829	14.373	
593	565151.267	135069.829	14.373	
594	565151.918	135069.829	14.373	
595	565152.569	135069.829	14.373	
596	565153.220	135069.829	14.373	
597	565153.871	135069.829	14.373	
598	565154.522	135069.829	14.373	
599	565155.173	135069.829	14.373	
600	565155.824	135069.829	14.373	
601	565156.475	135069.829	14.373	
602	565157.126	135069.829	14.373	
603	565157.777	135069.829	14.373	
604	565158.428	135069.829	14.373	
605	565159.079	135069.829	14.373	
606	565159.730	135069.829	14.373	
607	565160.381	135069.829	14.373	
608	565161.032	135069.829	14.373	
609	565161.683	135069.829	14.373	
610	565162.334	135069.829	14.373	
611	565162.985	135069.829	14.373	
612	565163.636	135069.829	14.373	
613	565164.287	135069.829	14.373	
614	565164.938	135069.829	14.373	
615	565165.589	135069.829	14.373	
616	565166.240	135069.829	14.373	
617	565166.891	135069.829	14.373	
618	565167.542	135069.829	14.373	
619	565168.193	135069.829	14.373	
620	565168.844	135069.829	14.373	
621	565169.495	135069.829	14.373	
622	565170.146	135069.829	14.373	
623	565170.797	135069.829	14.373	
624	565171.448	135069.829	14.373	
625	565172.099	135069.829	14.373	
626	565172.750	135069.829	14.373	
627	565173.401	135069.829	14.373	
628	565174.052	135069.829	14.373	
629	565174.703	135069.829	14.373	
630	565175.354	135069.829	14.373	
631	565176.005	135069.829	14.373	
632	565176.656	135069.829	14.373	
633	565177.307	135069.829	14.373	
634	565177.958	135069.829	14.373	
635	565178.609	135069.829	14.373	
636	565179.260	135069.829	14.373	
637	565179.911	135069.829	14.373	
638	565180.562	135069.829	14.373	
639	565181.213	135069.829	14.373	
640	565181.864	135069.829	14.373	
641	565182.515	135069.829	14.373	
642	565183.166	135069.829	14.373	
643	565183.817	135069.829	14.373	
644	565184.468	135069.829	14.373	
645	565185.119	135069.829	14.373	
646	565185.770	135069.829	14.373	
647	565186.421	135069.829	14.373	
648	565187.072	135069.829	14.373	
649	565187.723	135069.829	14.373	
650	565188.374	135069.829	14.373	

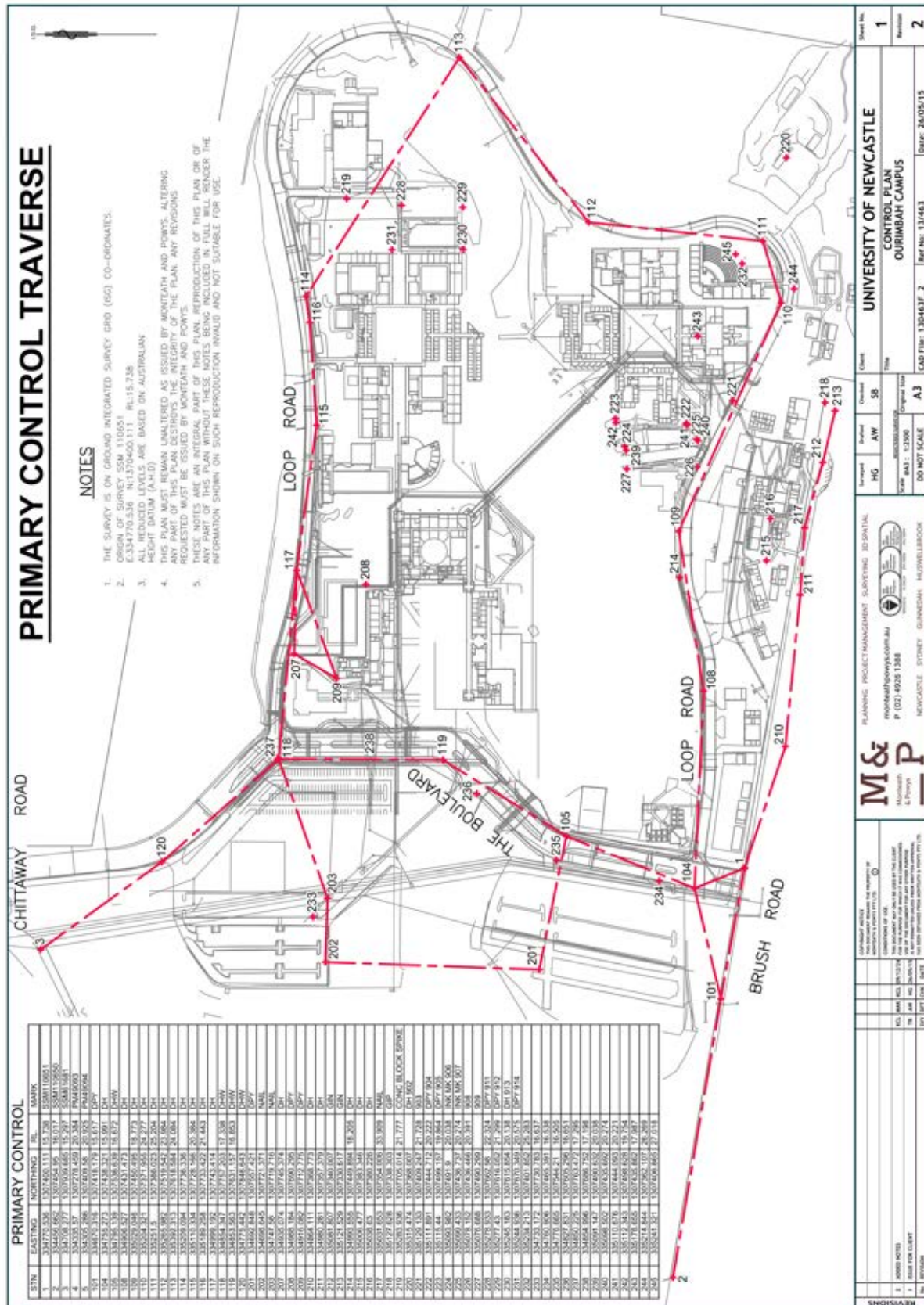
STN	EASTING	NORTHING	RL	MARK
651	565189.025	135070.719	12.510	
652	565189.676	135070.719	15.625	
653	565190.327	135070.719	18.740	
654	565190.978	135070.719	15.625	
655	565191.629	135070.719	18.740	
656	565192.280	135070.719	15.625	
657	565192.931	135070.719	18.740	
658	565193.582	135070.719	15.625	
659	565194.233	135070.719	18.740	
660	565194.884	135070.719	15.625	
661	565195.535	135070.719	18.740	
662	565196.186	135070.719	15.625	
663	565196.837	135070.719	18.740	
664	565197.488	135070.719	15.625	
665	565198.139	135070.719	18.740	
666	565198.790	135070.719	15.625	
667	565199.441	135070.719	18.740	
668	565199.992	135070.719	15.625	
669	565200.643	135070.719	18.740	
670	565201.294	135070.719	15.625	
671	565201.945	135070.719	18.740	
672	565202.596	135070.719	15.625	
673	565203.247	135070.719	18.740	
674	565203.898	135070.719	15.625	
675	565204.549	135070.719	18.740	
676	565205.200	135070.719	15.625	
677	565205.851	135070.719	18.740	
678	565206.502	135070.719	15.625	
679	565207.153	135070.719	18.740	
680	565207.804	135070.719	15.625	
681	565208.455	135070.719	18.740	
682	565209.106	135070.719	15.625	
683	565209.757	135070.719	18.740	
684	565210.408	135070.719	15.625	
685	565211.059	135070.719	18.740	
686	565211.710	135070.719	15.625	
687	565212.361	135070.719	18.740	
688	565213.012	135070.719	15.625	
689	565213.663	135070.719	18.740	
690	565214.314	135070.719	15.625	
691	565214.965	135070.719	18.740	
692	565215.616	135070.719	15.625	
693	565216.267	135070.719	18.740	
694	565216.918	135070.719	15.625	
695	565217.569	135070.719	18.740	
696	565218.220	135070.719	15.625	
697	565218.871	135070.719	18.740	
698	565219.522	135070.719	15.625	
699	565220.173	135070.719	18.740	
700	565220.824	135070.719	15.625	

STN	EASTING	NORTHING	RL	MARK
701	565221.475	135070.719	18.448	
702	565222.126	135070.719	15.625	
703	565222.777	135070.719	18.448	
704	565223.428	135070.719	15.625	
705	565224.079	135070.719	18.448	
706	565224.730	135070.719	15.625	
707	565225.381	135070.719	18.448	
708	565226.032	135070.719	15.625	
709	565226.683	135070.719	18.448	
710	565227.334	135070.719	15.625	
711	565227.985	135070.719	18.448	
712	565228.636	135070.719	15.625	
713	565229.287	135070.719	18.448	
714	565229.938	135070.719	15.625	
715	565230.589	135070.719	18.448	
716	565231.240	135070.719	15.625	
717	565231.891	135070.719	18.448	
718	565232.542	135070.719	15.625	
719	565233.193	135070.719	18.448	
720	565233.844	135070.719	15.625	
721	565234.495	135070.719	18.448	
722	565235.146	135070.719	15.625	
723	565235.797	135070.719	18.448	
724	565236.448	135070.719	15.625	
725	565237.099	135070.719	18.448	
726	565237.750	135070.719	15.625	
727	565238.401	135070.719	18.448	
728	565239.052	135070.719	15.625	
729	565239.703	135070.719	18.448	
730	565240.354	135070.719	15.625	
731	565241.005	135070.719	18.448	
732	565241.656	135070.719	15.625	
733	565242.307	135070.719	18.448	
734	565242.958	135070.719	15.625	
735	565243.609	135070.719	18.448	
736	565244.260	135070.719	15.625	
737	565244.911	135070.719	18.448	
738	565245.562	135070.719	15.625	
739	565246.213	135070.719	18.448	
740	565246.864	135070.719	15.625	
741	565247.515	135070.719	18.448	
742	565248.166	135070.719	15.625	
743	565248.817	135070.719	18.448	
744	565249.468	135070.719	15.625	
745	565250.119	135070.719	18.448	
746	565250.770	135070.719	15.625	
747	565251.421	135070.719	18.448	
748	565252.072	135070.719	15.625	
749	565252.723	135070.719	18.448	
750	565253.374	135070.719	15.625	
751	565254.025	135070.719	18.448	
752	565254.676	135070.719	15.625	
753	565255.327	135070.719	18.448	
754	565255.978	135070.719	15.625	
755	565256.629	135070.719	18.448	
756	565257.280	135070.719	15.625	
757	565257.931	135070.719	18.448	
758	565258.582	135070.719	15.625	
759	565259.233	135070.719	18.448	
760	565259.884	135070.719	15.625	
761	565260.535	135070.719	18.448	
762	565261.186	135070.719	15.625	
763	565261.837	135070.719	18.448	
764	565262.488	135070.719	15.625	
765	565263.139	135070.719	18.448	
766	565263.790	135070.719	15.625	
767	565264.441	135070.719	18.448	
768	565265.092	135070.719	15.625	
769	565265.743	135070.719	18.448	
770	565266.394	135070.719	15.625	
771	565267.045	135070.719	18.448	
772	565267.696	135070.719	15.625	
773	565268.347	135070.719	18.448	
774	565268.998	135070.719	15.625	
775	565269.649	135070.719	18.448	
776	565270.300	135070.719	15.625	
777	565270.951	135070.719	18.448	
778	565271.602	135070.719	15.625	
779	565272.253	135070.719	18.448	
780	565272.904	135070.719	15.625	
781	565273.555	135070.719	18.448	
782	565274.206	135070.719	15.625	
783	565274.857	135070.719	18.448	
784	565275.508	135070.719	15.625	
785	565276.159	135070.719	18.448	
786	565276.810	135070.719	15.625	
787	565277.461	135070.719	18.448	
788	565278.112	135070.719	15.625	
789	565278.763	135070.719	18.448	
790	565279.414	135070.719	15.625	
791	565280.065	135070.719	18.448	
792	565280.716	135070.719	15.625	
793	565281.367	135070.719	18.448	
794	565282.018	135070.719	15.625	
795	565282.669	135070.719	18.448	
796	565283.320	135070.719	15.625	
797	565283.971	135070.719	18.448	
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801	565286.575	135070.719	18.448	
802	565287.226	135070.719	15.625	
803	565287.877	135070.719	18.448	
804	565288.528	135070.719	15.625	
805	565289.179	135070.719	18.448	
806	565289.830	135070.719	15.625	
807	565290.481	135070.719	18.448	
808	565291.132	135070.719	15.625	
809	565291.783	135070.719	18.448	
810	565292.434	135070.719	15.625	
811	565293.085	135070.719	18.448	
812	565293.736	135070.719	15.625	
813	565294.387	135070.719	18.448	
814	565295.038	135070.719	15.625	
815	565295.689	135070.719	18.448	
816	565296.340	135070.719	15.625	
817	565296.991	135070.719	18.448	
818	565297.642	135070.719	15.625	
819	565298.293	135070.719	18.448	
820	565298.944	135070.719	15.625	
821	565299.595	135070.719	18.448	
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824	565301.548	135070.719	15.625	
825	565302.199	135070.719	18.448	
826	565302.850	135070.719	15.625	
827	565303.501	135070.719	18.448	
828	565304.152	135070.719	15.625	
829	565304.803	135070.719	18.448	
830	565305.454	135070.719	15.625	
831	565306.105	135070.719	18.448	
832	565306.756	135070.719	15.625	
833	565307.407	135070.719	18.448	
834	565308.058	135070.719	15.625	
835	565308.709	135070.719	18.448	
836	565309.360	135070.719	15.625	
837	565309.991	135070.719	18.448	
838	565310.642	135070.719	15.625	
839	565311.293	135070.719	18.448	
840	565311.944	135070.719	15.625	
841	565312.595	135070.719	18.448	
842	565313.246	135070.719	15.625	
843	565313.897	135070.719	18.448	
844	565314.548	135070.719	15.625	
845	565315.199	135070.719	18.448	
846	565315.850	135070.719	15.625	
847	565316.501	135070.719	18.448	
848	565317.152	135070.719	15.625	
849	565317.803	135070.719	18.448	
850	565318.454	135070.719	15.625	
851	565319.105	135070.719	18.448	
852	565319.756	135070.719	15.625	
853	565320.407	135070.719	18.448	
854	565321.058	135070.719	15.625	
855	565321.709	135070.719	18.448	
856	565322.360	135070.719	15.625	
857	565323.011	135070.719	18.448	
858	565323.662	135070.719	15.625	
859	565324.313	135070.719	18.448	
860	565324.964	135070.719	15.625	
861	565325.615	135070.719	18.448	
862	565326.266	135070.719	15.625	
863	565326.917	135070.719	18.448	
864	565327.568	135070.719	15.625	
865	565328.219	135070.719	18.448	
866	565328.870	135070.719	15.625	
867	565329.521	135070.719	18.448	
868	565330.172	135070.719	15.625	
869	565330.823	135070.719	18.448	
870	565331.474	135070.719	15.625	
871	565332.125	135070.719	18.448	
872	565332.776	135070.719	15.625	
873	565333.427	135070.719	18.448	
874	565334.078	135070.719	15.625	
875	565334.729	135070.719	18.448	
876	565335.380	135070.719	15.625	
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878	565336.682	135070.719	15.625	
879	565337.333	135070.719	18.448	
880	565337.984	135070.719	15.625	
881	565338.635	135070.719	18.448	
882	565339.286	135070.719	15.625	
883	565340.000	135070.719	18.448	
884	565340.650	135070.719	15.625	
885	565341.301	135070.719	18.448	
886	565341.952	135070.719	15.625	
887	565342.603	135070.719	18.448	
888	565343.254	135070.719	15.625	
889	565343.905	135070.719	18.448	
890	565344.556	135070.719	15.625	
891	565345.207	135070.719	18.448	
892	565345.858	135070.719	15.625	
893	565346.509	135070.719	18.448	
894	565347.160	135070.719	15.625	
895	565347.811	135070.719	18.448	
896	565348.462	135070.719	15.625	
897	565349.113	135070.719	18.448	
898	565349.764	135070.719	15.625	
899	565350.415	135070.719	18.448	
900	565351.066	135070.719	15.625	
901	565351.717	135070.719	18.448	
902	565352.368	135070.719	15.625	
903	565353.019	135070.719	18.448	
904	565353.670	135070.719	15.625	
905	565354.321	135070.719	18.448	
906	565354.972	135070.719	15.625	
907	565355.623	135070.719	18.448	
908	565356.274	135070.719	15.625	
909	565356.925	135070.719	18.448	
910	565357.576	135070.719	15.625	
911	565358.227	135070.719	18.448	
912	565358.878	135070.719	15.625	
913	565359.529	135070.719	18.448	
914	565360.180	135070.719	15.625	
915	565360.831	135070.719	18.448	
916	565361.482	135070.719	15.625	
917	565362.133	135070		

THE	EASTING	NORTHING	S	MASK
0001	355045.002	355045.002	28.500	STN
0002	355045.002	355045.002	28.500	STN
0003	355045.002	355045.002	28.500	STN
0004	355052.598	355079.034	33.458	NAL
0005	354994.001	355076.432	28.750	NAL
0006	355007.201	355076.432	28.750	NAL
0007	355153.636	355068.327	33.152	NAL
0008	355153.636	355068.327	33.152	NAL
0009	355153.636	355068.327	33.152	NAL
0010	355153.636	355068.327	33.152	NAL
0011	355153.636	355068.327	33.152	NAL
0012	355153.636	355068.327	33.152	NAL
0013	355153.636	355068.327	33.152	NAL
0014	355153.636	355068.327	33.152	NAL
0015	355153.636	355068.327	33.152	NAL
0016	355153.636	355068.327	33.152	NAL
0017	355153.636	355068.327	33.152	NAL
0018	355153.636	355068.327	33.152	NAL
0019	355153.636	355068.327	33.152	NAL
0020	355242.324	355240.072	26.183	DPY
0021	355242.324	355240.072	26.183	DPY
0022	355242.324	355240.072	26.183	DPY
0023	355242.324	355240.072	26.183	DPY
0024	355242.324	355240.072	26.183	DPY
0025	355242.324	355240.072	26.183	DPY
0026	355242.324	355240.072	26.183	DPY
0027	355242.324	355240.072	26.183	DPY
0028	355242.324	355240.072	26.183	DPY
0029	355242.324	355240.072	26.183	DPY
0030	355242.324	355240.072	26.183	DPY
0031	355242.324	355240.072	26.183	DPY
0032	355242.324	355240.072	26.183	DPY
0033	355242.324	355240.072	26.183	DPY
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0035	355242.324	355240.072	26.183	DPY
0036	355242.324	355240.072	26.183	DPY
0037	355242.324	355240.072	26.183	DPY
0038	355242.324	355240.072	26.183	DPY
0039	355242.324	355240.072	26.183	DPY
0040	355242.324	355240.072	26.183	DPY
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0043	355242.324	355240.072	26.183	DPY
0044	355242.324	355240.072	26.183	DPY
0045	355242.324	355240.072	26.183	DPY
0046	355242.324	355240.072	26.183	DPY
0047	355242.324	355240.072	26.183	DPY
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0049	355242.324	355240.072	26.183	DPY
0050	355242.324	355240.072	26.183	DPY
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0055	355242.324	355240.072	26.183	DPY
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0059	355242.324	355240.072	26.183	DPY
0060	355242.324	355240.072	26.183	DPY
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0065	355242.324	355240.072	26.183	DPY
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0080	355242.324	355240.072	26.183	DPY
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0100	355242.324	355240.072	26.183	DPY
0101	355242.324	355240.072	26.183	DPY
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0115	355242.324	355240.072	26.183	DPY
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0123	355242.324	355240.072	26.183	DPY
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0125	355242.324	355240.072	26.183	DPY
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0173	355242.324	355240.072	26.183	DPY
0174	355242.324	355240.072	26.183	DPY
0175	355242.324	355240.072	26.183	DPY
0176	355242.324	355240.072	26.183	DPY
0177	355242.324	355240.072	26.183	DPY
0178	355242.324	355240.072	26.183	DPY
0179	355242.324	355240.072	26.183	DPY
0180	355242.324	355240.072	26.183	DPY
0181	355242.324	355240.072	26.183	DPY
0182	355242.324	355240.072	26.183	DPY
0183	355242.324	355240.072	26.183	DPY
0184	355242.324	355240.072	26.183	DPY
0185	355242.324	355240.072	26.183	DPY
0186	355242.324	355240.072	26.183	DPY
0187	355242.324	355240.072	26.183	DPY
0188	355242.324	355240.072	26.183	DPY
0189	355242.324	355240.072	26.183	DPY
0190	355242.324	355240.072	26.183	DPY
0191	355242.324	355240.072	26.183	DPY
0192	355242.324	355240.072	26.183	DPY
0193	355242.324	355240.072	26.183	DPY
0194	355242.324	355240.072	26.183	DPY
0195	355242.324	355240.072	26.183	DPY
0196	355242.324	355240.072	26.183	DPY
0197	355242.324	355240.072	26.183	DPY
0198	355242.324	355240.072	26.183	DPY
0199	355242.324	355240.072	26.183	DPY
0200	355242.324	355240.072	26.183	DPY
0201	355242.324	355240.072	26.183	DPY
0202	355242.324	355240.072	26.183	DPY
0203	355242.324	355240.072		

[illegible]

APPENDIX B – Ourimbah Campus Survey Control Plan



APPENDIX C – Survey and Code List Mapping

CODE LIST FOR Use SCLv01				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD COLOUR	LINE TYPE
BUILDING				
BDAC	BD AIR CON	AIR CON	7	CONTINUOUS
BDAWN	BD AWNING	AWNING	7	DASHED
BDCA	BD BALCONY	BALCONY	3	CONTINUOUS
BDCC	BD BUILDING CORNER	BUILDING CORNER	3	CONTINUOUS
BDCH	BD DOOR HEAD	DOOR HEAD	7	CONTINUOUS
BDCL	BD BUILDING LINE	BUILDING LINE	3	CONTINUOUS
BDCCO	BD DOOR	DOOR	7	CONTINUOUS
BDOD	BD BUS DING	BUS DING	3	CONTINUOUS
BDOT	BD BUILDING OVERHEAD	BUILDING OVERHEAD	1	CONTINUOUS
BDSSH	BD BUS SHELTER	BUS SHELTER	2	CONTINUOUS
BDWH	BD WINDOW HEAD	WINDOW HEAD	7	CONTINUOUS
BDWS	BD WINDOW SILL	WINDOW SILL	7	CONTINUOUS
BDCLN	BD CLOTHES LINE	CLOTHES LINE	11	CONTINUOUS
BDCL	BD COLUMN	COLUMN	3	CONTINUOUS
BDCLC	BD COLUMN CENTRE	COLUMN CENTRE	3	CONTINUOUS
BDOP	BD CARPORT	CARPORT	3	DASHED
BDOP	BD DOWNPIPE	DOWNPIPE	7	CONTINUOUS
BDOD	BD DUCT	DUCT	3	CONTINUOUS
BDFA	BD FASCIA / EAVE	FASCIA / EAVE	7	CONTINUOUS
BDPL	BD FLOOR LEVEL	FLOOR LEVEL	20	CONTINUOUS
BDHW	BD HOT WATER SYSTEM	HOT WATER SYSTEM	3	CONTINUOUS
BDIW	BD INTERNAL WALL	INTERNAL WALL	7	CONTINUOUS
BDW	BD INTERSECTION OF WALLS	INTERSECTION OF WALLS	7	CONTINUOUS
BDL	BD LANDING	LANDING	7	CONTINUOUS
BDLD	BD LOADING DOCK	LOADING DOCK	7	CONTINUOUS
BDAB	BD MAIL BOX	MAIL BOX	2	CONTINUOUS
BDMS	BD MISCELLANEOUS	BD MISCELLANEOUS STRING	7	CONTINUOUS
BDMSCP	BD MISCELLANEOUS	BD MISCELLANEOUS POINT	7	CONTINUOUS
BDOPAS	BD OVERPASS	OVERPASS	3	CONTINUOUS
BDPA	BD PARTITION WALL	PARTITION WALL	7	CONTINUOUS
BDPAR	BD PARAPET	PARAPET	7	HIDDEN
BDPAT	BD PATIO	PATIO	3	CONTINUOUS
BDPS	BD PERGOLA	PERGOLA	2	CONTINUOUS
BDG	BD ROOF GUTTERING	ROOF GUTTERING	7	CONTINUOUS
BDKR	BD ROOF RIDGE LINE	ROOF RIDGE LINE	7	DASHED
BDSC	BD SHED CORNER	SHED CORNER	7	CONTINUOUS
BDSL	BD SHED LINE OF WALL	SHED LINE OF WALL	7	DASHED
BDVR	BD VERANDAH	VERANDAH	3	CONTINUOUS
BDWHF	BD WHARF	WHARF	3	CONTINUOUS
COMMUNICATION SERVICES				
CMCM	CM CABLE MARKER	CABLE MARKER	210	CONTINUOUS
CMCOM	CM COMMUNICATION CABLE	COMMUNICATION CABLE	210	----- T -----
CMCPM	CM COMMS PAINT MARK	COMMUNICATION PAINT MARK	210	----- T -----
CMCT	CM CABLE TRAY	CABLE TRAY	210	----- T -----
CMINT	CM INTERCOM	INTERCOM	210	CONTINUOUS
CMMS	CM MISCELLANEOUS	CM MISCELLANEOUS STRING	210	CONTINUOUS
CMMSCP	CM MISCELLANEOUS	CM MISCELLANEOUS POINT	210	CONTINUOUS
CMNOC	CM NRN NOOE	NRN NOOE	210	----- OF -----
CMOF	CM OPTIC FIBRE	OPTIC FIBRE	210	CONTINUOUS
CMPT	CM COMMS PIT OUTLINE	COMMUNICATIONS PIT OUTLINE	210	CONTINUOUS
CMPTC	CM COMMS PIT CENTRE	COMMUNICATIONS PIT +1m	210	CONTINUOUS
CMSC	CM SECURITY CAMERA	SECURITY CAMERA	210	----- SCS -----
CMSC	CM SIGNAL CABLE	SIGNAL CABLE	210	CONTINUOUS
CMTP	CM TELSTRA PILLAR	TELSTRA PILLAR	210	CONTINUOUS
CMTP	CM TELSTRA PIT	TELSTRA PIT	210	CONTINUOUS
CMTX	CM TELSTRA CROSSING	TELSTRA CROSSING	210	CONTINUOUS
CMUC	CM CABLE UNDERGROUND	CABLE UNDERGROUND	210	CONTINUOUS
DRAINAGE SERVICES				
DRCL	DR CROWN LEVEL	CROWN of PIPE / CULVERT	140	CONTINUOUS
DRCL	DR CULVERT	CULVERT	140	CONTINUOUS
DRDD	DR DISH DRAIN	DISH DRAIN CENTRE	140	----- d -----
DRDDC	DR DISH DRAIN CENTRE	DISH DRAIN CENTRE	140	----- d -----
DRDE	DR DISH DRAIN EDGE	DISH DRAIN EDGE	140	CONTINUOUS
DRDFS	DR DRAIN WATER FILTER SUMP	DRAIN WATER FILTER SUMP	140	CONTINUOUS
DRDFM	DR DRAINAGE PAINT MARK	DRAINAGE PAINT MARK	140	CONTINUOUS
DRGLD	DR GRATED LINED DRAIN	GRATED LINED DRAIN	140	CONTINUOUS
DRGRT	DR GRATE	GRATE	140	CONTINUOUS
DRHW	DR HEADWALL	HEADWALL	3	CONTINUOUS
DRIL	DR INVERT LEVEL	INVERT LEVEL	140	CONTINUOUS
DRIPS	DR INSPECTION POINT	INSPECTION POINT	140	CONTINUOUS
DRIP	DR KERB INLET PIT	KERB INLET PIT	140	CONTINUOUS
DRMS	DR MISCELLANEOUS	DR MISCELLANEOUS STRING	140	CONTINUOUS
DRMSCP	DR MISCELLANEOUS	DR MISCELLANEOUS POINT	140	CONTINUOUS
DRCL	DR ORVERT LEVEL	ORVERT LEVEL	140	CONTINUOUS
DRPIPE	DR DRAINAGE PIPE	DRAINAGE PIPE	140	----- D -----
DRPT	DR DRAINAGE PIT OUTLINE	DRAINAGE PIT OUTLINE	140	CONTINUOUS
DRPTC	DR DRAINAGE PIT CENTRE	DRAINAGE PIT +1m	140	CONTINUOUS
DRSD	DR SUB SOIL DRAIN	SUB SOIL DRAIN	140	CONTINUOUS
DRSWM	DR STORMWATER MANHOLE	STORMWATER MANHOLE	140	CONTINUOUS
DRWH	DR WEEP HOLE IN FACE OF KERB	WEEP HOLE IN FACE OF KERB	140	CONTINUOUS

CODE LIST FOR U4N SCLv01				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAO COLOUR	LINE TYPE
ELECTRICAL SERVICES				
ELCB	EL ELECTRICAL CABINET	ELECTRICAL CABINET	30	CONTINUOUS
ELCU	EL UNDERGROUND ELECTRICAL CABLE	UNDERGROUND ELECTRICAL CABLE	30	—— E ——
ELDB	EL DISTRIBUTION BOARDS PANELS	DISTRIBUTION BOARDS/PANELS STRING	30	CONTINUOUS
ELDBP	EL DISTRIBUTION BOARDS PANELS	DISTRIBUTION BOARDS/PANELS POINT	30	CONTINUOUS
ELECB	EL EARTH CABLE	EARTH CABLE	30	CONTINUOUS
ELEGL	EL ELEVATED GROUND LIGHTS	ELEVATED GROUND LIGHTS	30	CONTINUOUS
ELEM	EL ELECTRICAL MARKER	ELECTRICAL MARKER	30	CONTINUOUS
ELPL	EL ELECTRICAL PILLAR	ELECTRICAL PILLAR	30	CONTINUOUS
ELPMP	EL ELECTRICAL PAINT MARK	ELECTRICAL PAINT MARK	30	CONTINUOUS
ELR	EL EARTH ROD	EARTH ROD	30	CONTINUOUS
ELESS	EL ELECTRICAL SUB STATION	ELECTRICAL SUB STATION	30	CONTINUOUS
ELEST	EL EARTH STAKE	EARTH STAKE	30	CONTINUOUS
ELEVC	EL ELECTRIC VEHICLE CHARGE POINT	ELECTRIC VEHICLE CHARGE POINT	30	CONTINUOUS
ELBA	EL ELECTRICAL CROSSING	ELECTRICAL CROSSING	30	CONTINUOUS
ELFLT	EL FLOOD LIGHTS	FLOOD LIGHTS	30	CONTINUOUS
ELFU	EL FUSE BOX	FUSE BOX	30	CONTINUOUS
ELGEN	EL GENERATOR	GENERATOR	30	CONTINUOUS
ELGLT	EL GROUND LIGHTS	GROUND LIGHTS	30	CONTINUOUS
ELLP	EL LIGHT POLE	LIGHT POLE	30	CONTINUOUS
ELMSC	EL MISCELLANEOUS	EL MISCELLANEOUS STRING	30	CONTINUOUS
ELMSCP	EL MISCELLANEOUS	EL MISCELLANEOUS POINT	30	CONTINUOUS
ELPT	EL ELECTRICAL PIT OUTLINE	ELECTRICAL PIT OUTLINE	30	CONTINUOUS
ELPTC	EL ELECTRICAL PIT CENTRE	ELECTRICAL PIT CENTRE <1m	30	CONTINUOUS
ELPLINE	EL POWER LINE	POWER LINE	30	—— DNE ——
ELPLP	EL POWER LIGHT POLE	POWER LIGHT POLE	30	CONTINUOUS
ELPP	EL POWER POLE	POWER POLE	30	CONTINUOUS
ELPPT	EL POWER POLE w/ TRANSFORMER	POWER POLE w/ TRANSFORMER	30	CONTINUOUS
ELSP	EL STAY POLE	STAY POLE	30	CONTINUOUS
ELSW	EL STAY WIRE	STAY WIRE	30	CONTINUOUS
GAS SERVICES				
GAGBO	GA GAS BOTTLE	GAS BOTTLE	56	CONTINUOUS
GAGM	GA GAS MARKER	GAS MARKER	56	CONTINUOUS
GAGMT	GA GAS METER	GAS METER	56	CONTINUOUS
GAGPM	GA GAS PAINT MARK	GAS PAINT MARK	56	CONTINUOUS
GAGV	GA GAS VALVE	GAS VALVE	56	CONTINUOUS
GAGX	GA GAS CROSSING	GAS CROSSING	56	CONTINUOUS
GALPG	GA LPG TANK	LPG TANK	56	CONTINUOUS
GAMSC	GA MISCELLANEOUS	GA MISCELLANEOUS STRING	56	CONTINUOUS
GAMSCP	GA MISCELLANEOUS	GA MISCELLANEOUS POINT	56	CONTINUOUS
GAPIPE	GA GAS PIPE	GAS PIPE	56	—— G ——
GAPIT	GA GAS PIT OUTLINE	GAS PIT OUTLINE	56	CONTINUOUS
GAPITC	GA GAS PIT CENTRE	GAS PIT CENTRE <1m	56	CONTINUOUS
GEOTECHNICAL				
GTRH	GT BOREHOLE	BOREHOLE	7	CONTINUOUS
GTCPT	GT CONE PENETROMETER	CONE PENETROMETER	7	CONTINUOUS
GTOPR	GT GROUND PENETRATING RADAR	GROUND PENETRATING RADAR	7	CONTINUOUS
GTMISC	GT MISCELLANEOUS	GT MISCELLANEOUS STRING	7	CONTINUOUS
GTMSCP	GT MISCELLANEOUS	GT MISCELLANEOUS POINT	7	CONTINUOUS
GTMW	GT MONITORING WELL	MONITORING WELL	7	CONTINUOUS
GTPRT	GT TEST PIT	TEST PIT	7	CONTINUOUS
LINE MARKINGS				
LMAL	LM ARROW LEFT TURN	Arrow Left Turn	151	RMS
LMAR	LM ARROW RIGHT TURN	Arrow Right Turn	151	RMS
LMAGA	LM ARROW STRAIGHT AHEAD	Arrow Straight Ahead	151	RMS
LMASL	LM ARROW STRAIGHT AND LEFT	Arrow Straight and Left	151	RMS
LMASR	LM ARROW STRAIGHT AND RIGHT	Arrow Straight and Right	151	RMS
LMBIKE	LM BIKE LANE MARKING	BIKE LANE MARKING	151	CONTINUOUS
LMBS	LM BARRIER AND SEPARATION	Barrier and Separation	151	RMS
LMCA	LM PEDESTRIAN CROSSING APPROACH	Pedestrian Crossing Approach Zig Zag	151	RMS
LMCC	LM CONTINUITY 1x3	Continuity 1x3	151	RMS
LMCD	LM UNBROKEN	Unbroken	151	RMS
LMCOT	LM GIVEWAY TURN	Giveaway Turn	151	RMS
LMCN	LM SEPARATION 6x6	Separation 6x6	151	RMS
LMCV	LM CHEVRON MARKING LEFT	Chevron Marking Left	151	RMS
LMCW	LM CLEARWAY 3x3	Clearway 3x3	151	RMS
LMCK	LM PEDESTRIAN CROSSING SIGNALS	Pedestrian Crossing Signals	151	RMS
LMCY	LM CHEVRON MARKING RIGHT	Chevron Marking Right	151	RMS
LMCZ	LM PEDESTRIAN CROSSING ZEBRA	Pedestrian Crossing Zebra	151	RMS
LMDA	LM DRAGONS TEETH RIGHT	Dragons Teeth Right	151	RMS
LMDB	LM DOUBLE BARRIER	Double Barrier	151	RMS
LMDC	LM DRAGONS TEETH LEFT	Dragons Teeth Left	151	RMS
LMDS	LM DISABLED MARKING	DISABLED MARKING SYMBOL	151	CONTINUOUS
LMEL	LM LANE 3x6	Lane 3x6	151	RMS
LMESC	LM MISCELLANEOUS	LM MISCELLANEOUS STRING	151	CONTINUOUS
LMESCP	LM MISCELLANEOUS	LM MISCELLANEOUS POINT	151	CONTINUOUS
LM51	LM SPEED ZONE 100KM/H	Speed Zone 100km/h	151	RMS
LM52	LM SPEED ZONE 110KM/H	Speed Zone 110km/h	151	RMS
LM54	LM SPEED ZONE 40KM/H	Speed Zone 40km/h	151	RMS
LM55	LM SPEED ZONE 50KM/H	Speed Zone 50km/h	151	RMS
LM56	LM SPEED ZONE 60KM/H	Speed Zone 60km/h	151	RMS
LM57	LM SPEED ZONE 70KM/H	Speed Zone 70km/h	151	RMS
LM58	LM SPEED ZONE 80KM/H	Speed Zone 80km/h	151	RMS
LM59	LM SPEED ZONE 90KM/H	Speed Zone 90km/h	151	RMS
LM59	LM SEPARATION BARRIER	Separation and Barrier	151	RMS
LM5L	LM STOP SIGN LINE MARKING	STOP SIGN LINE MARKING	151	CONTINUOUS

CODE LIST FOR U4N SCL401				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD COLOUR	LINE TYPE
ROADS				
RBOGT	RD BOOM GATE	BOOM GATE	7	CONTINUOUS
RDBIT	RD BITUMEN	BITUMEN STRING	2	CONTINUOUS
RDKRB	RD KERB BACK	KERB (BACK)	7	CONTINUOUS
RDBSH	RD BITUMEN SPOT HEIGHT	BITUMEN SPOT HEIGHT	7	CONTINUOUS
RDCG	RD CATTLE GRID	CATTLE GRID	7	CONTINUOUS
RDCLB	RD CENTRE LINE OF BITUMEN	CENTRE LINE OF BITUMEN	7	CENTER
RDCLG	RD CENTRE LINE OF GRAVEL	CENTRE LINE OF GRAVEL	7	CENTER2
RDCWY	RD DRIVEWAY	DRIVEWAY	2	HIDDEN2
RDEB	RD EDGE OF BITUMEN	EDGE OF BITUMEN	7	HIDDEN
RDEG	RD EDGE OF GRAVEL	EDGE OF GRAVEL	7	DASHED2
RDET	RD EDGE OF TRACK	EDGE OF TRACK	7	DASHED
RDGPD	RD GUIDE POST	GUIDE POST	7	CONTINUOUS
RDCGR	RD GUARD RAIL	GUARD RAIL	3	CONTINUOUS
RDKGT	RD KERB GUTTER	KERB GUTTER (FLOW)	7	CONTINUOUS
RDCVL	RD GRAVEL SPOT HEIGHT	GRAVEL SPOT HEIGHT	7	CONTINUOUS
RDLIP	RD GUTTER LIP	GUTTER LIP	7	CONTINUOUS
RDMR	RD MIRROR	MIRROR	3	CONTINUOUS
RDMSC	RD MISCELLANEOUS	RD MISCELLANEOUS STRING	7	CONTINUOUS
RDMSCP	RD MISCELLANEOUS	RD MISCELLANEOUS POINT	7	CONTINUOUS
RDMS	RD MEDIAN STRIP	MEDIAN STRIP	2	CONTINUOUS
RDPATH	RD FOOTPATH IN ROAD RESERVE	FOOTPATH IN ROAD RESERVE	7	CONTINUOUS
RDPMT	RD PARKING METER	PARKING METER	2	CONTINUOUS
RDPWY	RD PRAMWAY	PRAMWAY	7	CONTINUOUS
RDPFM	RD PARKING TICKET MACHINE	PARKING TICKET MACHINE STRING	7	CONTINUOUS
RDPMP	RD PARKING TICKET MACHINE	PARKING TICKET MACHINE POINT	2	CONTINUOUS
RDPVR	RD PAVED SURFACE	PAVED SURFACE	2	CONTINUOUS
RDRG	RD ROAD CROWN	ROAD CROWN	2	CONTINUOUS
RDSGN	RD SIGN	SIGN - SINGLE POST	11	CONTINUOUS
RDSN	RD LARGE ROAD SIGN	LARGE ROAD SIGN	2	CONTINUOUS
RDSPH	RD SPEED HUMP	SPEED HUMP	7	CONTINUOUS
RDTK	RD TOP OF KERB	TOP OF KERB	7	CONTINUOUS
RDTL	RD TRAFFIC LIGHT	TRAFFIC LIGHT	7	CONTINUOUS
RDTLC	RD TRAFFIC LIGHT CONTROL BOX	TRAFFIC LIGHT CONTROL BOX STRING	7	CONTINUOUS
RDTLCP	RD TRAFFIC LIGHT CONTROL BOX	TRAFFIC LIGHT CONTROL BOX POINT	7	CONTINUOUS
SEWERAGE SERVICES				
SEL	SE SEWER INVERT LEVEL	SEWER INVERT LEVEL	44	CONTINUOUS
SEPI	SE INSPECTION POINT	INSPECTION POINT	44	CONTINUOUS
SEMISC	SE MISCELLANEOUS	SE MISCELLANEOUS STRING	44	CONTINUOUS
SEMSCP	SE MISCELLANEOUS	SE MISCELLANEOUS POINT	44	CONTINUOUS
SEOL	SE SEWER OBVERT LEVEL	SEWER OBVERT LEVEL	44	CONTINUOUS
SEORG	SE OVERFLOW RELIEF GULLY	OVERFLOW RELIEF GULLY	44	CONTINUOUS
SEPIPE	SE SEWER PIPE	SEWER PIPE	44	—— S ——
SEPT	SE SEWER PIT OUTLINE	SEWER PIT OUTLINE	44	CONTINUOUS
SEPTIC	SE SEWER MANHOLE CENTRE	SEWER PIT CENTRE <1m	44	CONTINUOUS
SESMH	SE SEWER MANHOLE	SEWER MANHOLE	44	CONTINUOUS
SESMO	SE SMH OUTLINE	SEWER MANHOLE OUTLINE	44	CONTINUOUS
SESPM	SE SEWER PAINT MARK	SEWER PAINT MARK	44	—— S ——
SEST	SE SEPTIC TANK	SEPTIC TANK	44	CONTINUOUS
SEPTO	SE SEPTIC TANK OUTLINE	SEPTIC TANK OUTLINE	44	CONTINUOUS
SESRM	SE SEWER RISING MAIN	SEWER RISING MAIN	44	—— RM ——
SESLMP	SE SLUMP	SLUMP	44	CONTINUOUS
SESVT	SE SEWER VENT	SEWER VENT	44	CONTINUOUS
SETPA	SE SEWER TRANSPARATION AREA	SEWER TRANSPARATION AREA	44	CONTINUOUS

CODE LIST FOR UoN SCLv01				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD COLOUR	LINE TYPE
STRUCTURE				
STBQ	ST BRQ	BRQ	2	CONTINUOUS
STBRB	ST BRIDGE GIRDER BOTTOM	BRIDGE GIRDER BOTTOM	3	CONTINUOUS
STBRT	ST BRIDGE GIRDER TOP	BRIDGE GIRDER TOP	3	CONTINUOUS
STBK	ST BIKE RACK	BIKE RACK	3	CONTINUOUS
STBN	ST BN	BN STRING	2	CONTINUOUS
STBNP	ST BN	BN POINT	3	CONTINUOUS
STBOL	ST BOLLARD	BOLLARD	3	CONTINUOUS
STBRG	ST BRIDGE	BRIDGE	3	CONTINUOUS
STBR	ST BUTTRESS	BUTTRESS	3	CONTINUOUS
STBRW	ST BRICK WALL	BRICK WALL	3	CONTINUOUS
STCON	ST CONCRETE	CONCRETE	2	HIDDEN
STCOSH	ST CONCRETE SPOT HEIGHT	CONCRETE SPOT HEIGHT	2	CONTINUOUS
STCWL	ST CONCRETE WALL	CONCRETE WALL	2	HIDDEN
STFCE	ST FENCE	FENCE	15	---
STFP	ST FLAG POLE	FLAG POLE	3	CONTINUOUS
STFT	ST FOOTING	FOOTING	2	HIDDEN
STGTE	ST GATE	GATE	3	CONTINUOUS
STHE	ST HELIPAD	HELIPAD	3	CONTINUOUS
STHR	ST HAND RAIL	HAND RAIL	15	CONTINUOUS
STMISC	ST MISCELLANEOUS	ST MISCELLANEOUS STRING	3	CONTINUOUS
STMISC	ST MISCELLANEOUS	ST MISCELLANEOUS POINT	3	CONTINUOUS
STPG	ST PLAYGROUND	PLAYGROUND	3	CONTINUOUS
STPOOL	ST SWIMMING POOL	SWIMMING POOL	15	CONTINUOUS
STPTH	ST PATH	PATH	2	HIDDEN
STRMP	ST RAMP	RAMP	2	CONTINUOUS
STRWB	ST RETAINING WALL BRICK	RETAINING WALL - BRICK	3	PHANTOM
STRWC	ST RETAINING WALL CONCRETE	RETAINING WALL - CONCRETE	3	PHANTOM
STRWL	ST ROCK WALL	ROCK WALL	3	PHANTOM
STRWM	ST RETAINING WALL METAL	RETAINING WALL - METAL	3	PHANTOM
STRWR	ST RETAINING WALL ROCK	RETAINING WALL - ROCK	3	PHANTOM
STRWT	ST RETAINING WALL TIMBER	RETAINING WALL - TIMBER	3	PHANTOM
STSB	ST BOTTOM OF STAIRS GROUND LEVEL	BOTTOM OF STAIRS (GROUND LEVEL)	3	CONTINUOUS
STSC	ST SHADE CLOTH	SHADE CLOTH	3	CONTINUOUS
STSEAT	ST SEAT	SEAT	2	CONTINUOUS
STSOFF	ST SOFFIT	SOFFIT	2	CONTINUOUS
STST	ST TOP OF STAIRS	TOP OF STAIRS	3	CONTINUOUS
STSTP	ST STEPS	STEPS	2	CONTINUOUS
STTBL	ST TABLE	TABLE	2	CONTINUOUS
STTC	ST TENNIS COURT	TENNIS COURT	3	CONTINUOUS
STVT	ST VENTILATION UNIT OR GRATE	VENTILATION UNIT OR GRATE	3	CONTINUOUS
SURVEY MARK				
SVBB	SV BRASS BAR	BRASS BAR	251	CONTINUOUS
SVBM	SV SURVEY BENCH MARK	SURVEY BENCH MARK	251	CONTINUOUS
SVBOLT	SV BOLT	BOLT	251	CONTINUOUS
SVBS	SV BACKSIGHT CHECK	BACKSIGHT CHECK	251	CONTINUOUS
SVBT	SV BRASS TRIANGLE	BRASS TRIANGLE	251	CONTINUOUS
SVCAL	SV CALIBRATION PT OF GPS SURVEY	CALIBRATION PT OF GPS SURVEY	251	CONTINUOUS
SVCB	SV CONCRETE BLOCK	CONCRETE BLOCK	251	CONTINUOUS
SVCP	SV CHANGE POINT	CHANGE POINT	251	CONTINUOUS
SVCH	SV DRILL HOLE	DRILL HOLE	251	CONTINUOUS
SVCHW	SV DRILL HOLE WING	DRILL HOLE & WING	251	CONTINUOUS
SVCLMP	SV CLUMP	CLUMP	251	CONTINUOUS
SVFP	SV FENCE POST	FENCE POST	251	CONTINUOUS
SVFS	SV FORESIGHT CHECK	FORESIGHT CHECK	251	CONTINUOUS
SVGN	SV GALVANISED IRON NAIL	GALVANISED IRON NAIL	251	CONTINUOUS
SVGP	SV GALVANISED IRON PIPE	GALVANISED IRON PIPE	251	CONTINUOUS
SVGPSB	SV GPS BASE STATION SETUP	GPS BASE STATION SETUP	251	CONTINUOUS
SVGD	SV INK DOT	INK DOT	251	CONTINUOUS
SVLP	SV LEAD PLUG	LEAD PLUG	251	CONTINUOUS
SVMISC	SV MISCELLANEOUS	SV MISCELLANEOUS SURVEY MARK	251	CONTINUOUS
SVNAIL	SV CONCRETE NAIL	CONCRETE NAIL	251	CONTINUOUS
SVORS	SV SURVEY ORIGIN	SURVEY ORIGIN	3	CONTINUOUS
SVPEG	SV PEG	PEG	251	CONTINUOUS
SVPLL	SV PILLAR	PILLAR (NON TRG)	251	CONTINUOUS
SVPIN	SV PIN	PIN	251	CONTINUOUS
SVPLUG	SV ALUMINIUM PLUG	ALUMINIUM PLUG	251	CONTINUOUS
SVPM	SV PERMANENT MARK	PERMANENT MARK	251	CONTINUOUS
SVPMK	SV PUNCH MARK	PUNCH MARK	251	CONTINUOUS
SVPTM	SV SURVEY PAINT MARK	SURVEY PAINT MARK	251	CONTINUOUS
SVQQ	SV QUALITY CHECK	QUALITY CHECK	251	CONTINUOUS
SVRES	SV RESECTION	RESECTION	251	CONTINUOUS
SVRT	SV REFLECTIVE TARGET	REFLECTIVE TARGET	251	CONTINUOUS
SVSCR	SV SCREW	SCREW	251	CONTINUOUS
SVSP	SV SURVEY STAR PICKET	SURVEY STAR PICKET	251	CONTINUOUS
SVSSM	SV STATE SURVEY MARK	STATE SURVEY MARK	251	CONTINUOUS
SVSTN	SV STATION	SURVEY STATION	251	CONTINUOUS
SVTSMP	SV TEMPORARY STATION	TEMPORARY STATION	251	CONTINUOUS
SVTS	SV TRG STATION	TRG STATION	251	CONTINUOUS
TOPOGRAPHY				
TOCG	TO CHANGE IN GRADE	TO CHANGE IN GRADE	7	DASHED
TOESC	TO MISCELLANEOUS	TO MISCELLANEOUS	7	CONTINUOUS
TOMSCP	TO MISCELLANEOUS	TO MISCELLANEOUS	7	CONTINUOUS
TONS	TO NATURAL SURFACE	NATURAL SURFACE	7	CONTINUOUS
TOSH	TO SPOT HEIGHT	SPOT HEIGHT	7	CONTINUOUS
TOYO	TO TOE	TOE OF BANK	7	--- TOE ---
TOTP	TO TOP	TOP OF BANK	7	--- TOP ---
TOWC	TO WATER COURSE	WATER COURSE	100	---
TOWL	TO WATER LEVEL	WATER LEVEL	100	---
TOWLP	TO WATER LEVEL	WATER LEVEL	7	CONTINUOUS

CODE LIST FOR U4N SCL401				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD COLOUR	LINE TYPE
UNKNOWN				
UNMH	UN MAN HOLE	MAN HOLE	233	CONTINUOUS
UNMSC	UN MISCELLANEOUS	UN MISCELLANEOUS STRING	114	CONTINUOUS
UNMSCP	UN MISCELLANEOUS	UN MISCELLANEOUS POINT	114	CONTINUOUS
UNPIL	UN PILLAR	SERVICE PILLAR	233	CONTINUOUS
UNPIT	UN PIT	PIT	233	CONTINUOUS
UNSG	UN SERVICE ABOVE GROUND	SERVICE ABOVE GROUND	233	CONTINUOUS
UNSPM	UN SERVICE PAINT MARK	SERVICE PAINT MARK	233	CONTINUOUS
UNSS	UN SERVICE STRUCTURE	SERVICE STRUCTURE	233	CONTINUOUS
UNUG	UN SERVICE UNDER GROUND	SERVICE UNDERGROUND	233	CONTINUOUS
VEGETATION				
VEGDN	VE GARDEN	GARDEN	114	HIDDEN
VEMSC	VE MISCELLANEOUS	VE MISCELLANEOUS STRING	114	CONTINUOUS
VEMSCP	VE MISCELLANEOUS	VE MISCELLANEOUS POINT	114	CONTINUOUS
VESRB	VE SHRUB	SCRUB	114	CONTINUOUS
VESRZ	VE STRUCTURAL ROOT ZONE	STRUCTURAL ROOT ZONE	173	CONTINUOUS
VEPRZ	VE TREE PROTECTION ZONE	TREE PROTECTION ZONE	221	CONTINUOUS
VE TR	VE TREE	TREE	114	CONTINUOUS
VE TRL	VE TREE LINE	TREE LINE	114	CONTINUOUS
WATER SERVICES				
WABWP	WA BORE WATER PUMP	BORE WATER PUMP	114	CONTINUOUS
WAMSC	WA MISCELLANEOUS	WA MISCELLANEOUS STRING	160	CONTINUOUS
WAMSCP	WA MISCELLANEOUS	WA MISCELLANEOUS POINT	160	CONTINUOUS
WAMW	WA MONITORING WELL	MONITORING WELL	160	CONTINUOUS
WAPPS	WA WATER PIPE	WATER PIPE	160	CONTINUOUS
WAPIT	WA WATER PIT OUTLINE	WATER PIT OUTLINE	160	CONTINUOUS
WAPITC	WA WATER PIT CENTRE	WATER PIT CENTRE <1m	160	CONTINUOUS
WASV	WA STOP VALVE	STOP VALVE	160	CONTINUOUS
WATAP	WA TAP	TAP	160	CONTINUOUS
WAWF	WA WATER FEATURE	WATER FEATURE	160	CONTINUOUS
WAWM	WA WATER MAIN	WATER MAIN	160	CONTINUOUS
WAWMT	WA WATER METER	WATER METER	160	CONTINUOUS
WAWPM	WA WATER PAINT MARK	WATER PAINT MARK	160	CONTINUOUS
WAWT	WA WATER TANK	WATER TANK	160	CONTINUOUS
WAWV	WA WATER VALVE	WATER VALVE	160	CONTINUOUS
WAWX	WA WATER CROSSING	WATER CROSSING	160	CONTINUOUS
FIRE SERVICES				
WFFH	WF FIRE HOSE	FIRE HOSE	163	CONTINUOUS
WFFS	WF FIRE SERVICE	FIRE SERVICE	163	CONTINUOUS
WFHYD	WF HYDRANT	HYDRANT	163	CONTINUOUS
WFMSC	WF MISCELLANEOUS	WF MISCELLANEOUS STRING	163	CONTINUOUS
WFMSCP	WF MISCELLANEOUS	WF MISCELLANEOUS POINT	163	CONTINUOUS
WFRM	WF FIRE RING MAIN	FIRE RING MAIN	163	CONTINUOUS
WFSM	WF FIRE SERVICE PAINT MARK	FIRE SERVICE PAINT MARK	163	CONTINUOUS
IRRIGATION				
WICB	WI IRRIGATION CONTROL BOX	IRRIGATION CONTROL BOX	160	CONTINUOUS
WIPPE	WI IRRIGATION PIPE	IRRIGATION PIPE	160	CONTINUOUS
WISH	WI IRRIGATION SPRAY HEAD	IRRIGATION SPRAY HEAD	160	CONTINUOUS

Code Table Report

Report created: 18/12/2024 15:16:18

Code Table: UoN SCLv01

Description:

Creator:

Created: 18/12/2024 13:36:43

Code Group: BD BUILDING

Description:

Activated on Instrument: Yes

Code: BDAC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Air Con	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDAWN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Awning	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBA

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Balcony	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBDC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Building Corner	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBDH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Door Head	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBDL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Building Line	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBDO

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Door	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBLD

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Building	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBOT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Building Overhead	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBSH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes

Advanced	Bus Shelter	Point		Start Line		0.25					By Code	4
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBWH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Window Head	Point		Start Line		0.25					By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDBWS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Window Sill	Point		Start Line		0.25					By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDCLINE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Clothes Line	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDCOL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Column	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Shape:	Normal	Text	None				
5	Size:	Normal	Text	None				
6	String	Normal	Integer	None				

Code: BDCOLC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Column Centre	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Shape:	Normal	Text	None				
5	Size:	Normal	Text	None				
6	String	Normal	Integer	None				

Code: BDCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Carport	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDDOP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Downpipe	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter:	Normal	Text	None				
5	Shape:	Normal	Text	None				
6	String	Normal	Integer	None				

Code: BDDU

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Duct	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDFA

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Fascia / Eave	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDFL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Floor Level	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDHW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Hot Water System	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				

4	String	Normal	Integer	None								
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Code: BDIBW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Internal Wall	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDIW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Intersection of Walls	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDLA

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Landing	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDLD

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Loading Dock	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDMB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Mail Box	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	BD Miscellaneous String	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				

2	Comment 2:	Normal	Text	None								
3	Comment 3:	Normal	Text	None								
4	String	Normal	Integer	None								

Code: BDMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	BD Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDOPASS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Over Pass	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDPA

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Partition Wall	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDPAR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Parapet	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDPATIO

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Patio	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDPGL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Pergola	Point		Start Line		0.25	——	——			By Code	4

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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDRG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Roof Guttering	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDRR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Roof Ridge Line	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDSHC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Shed Corner	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDSHL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Shed Line of Wall	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDVER

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Verandah	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: BDWHF

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Wharf	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: CM COMMS

Description:
Activated on Instrument: Yes

Code: CMCM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Cable Marker	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMCOM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Communication Cable	Point		Start Line		0.25	-----				By Code	9

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Config (W x H):	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
6	Material:	Normal	Text	Choice List	PVC, Polyethylene, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBTD			
8	Quality:	Normal	Text	Choice List	A, B, C, D			
9	String	Normal	Integer	None				

Code: CMCPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Comms Paint Mark	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Config (W x H):	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
					PVC, Polyethylene,			

6	Material:	Normal	Text	Choice List	Unknown, Other						
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBED						
8	Quality:	Normal	Text	Choice List	A, B, C, D						
9	String	Normal	Integer	None							
10	Type:	Normal	Text	Choice List	Copper, Fibre, Both, Other						

Code: CMCT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Cable Tray	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMINT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Intercom	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	CM Miscellaneous String	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	CM Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMNODE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	NBN Node	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMOF

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Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Optic Fibre	Point		Start Line		0.25	-----				By Code	9

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Config (W x H)	Normal	Text	None				
3	Depth	Normal	Real	Range		-5	5	
4	Diameter	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
6	Material	Normal	Text	Choice List	PVC, Polyethylene, Unknown, Other			
7	Method	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBXD			
8	Quality	Normal	Text	Choice List	A, B, C, D			
9	String	Normal	Integer	None				

Code: CMPIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Comms Pit Outline	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMPITC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Comms Pit Centre x 1m	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMSC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Security Camera	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMSIG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Signal Cable	Point		Start Line		0.25	-----				By Code	9

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Config (W x H)	Normal	Text	None				
3	Depth	Normal	Real	Range		-5	5	

4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment						
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known						
6	Material:	Normal	Text	Choice List	PVC, Polyethylene, Unknown, Other						
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, D8XD						
8	Quality:	Normal	Text	Choice List	A, B, C, D						
9	String	Normal	Integer	None							

Code: CMTPIIL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Telstra Pillar	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMTPT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Telstra Pit	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMTX

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Telstra Crossing	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: CMUC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Underground Cable	Point		Start Line		0.25	-----				By Code	9

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Config (W x H):	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
					PVC, Polyethylene,			

6	Material:	Normal	Text	Choice List	Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBRD			
8	Quality:	Normal	Text	Choice List	A, B, C, D			
9	String	Normal	Integer	None				

Code Group: DR DRAINAGE

Description:
Activated on Instrument: Yes

Code: DRCL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Crown Level	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Diameter:	Normal	Text	Choice List	50, 75, 100, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 1050, 1200, 1350, 1500, 1650, 1800, 1950, 2100, Unknown, Other - see comment			
4	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
5	Material:	Normal	Text	Choice List	CONCRETE, PVC, RCP, FCP, CAST IRON, EARTHENWARE, COPPER, Other - see comment, Not Known			
6	String	Normal	Integer	None				

Code: DRCUL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Culvert	Point		Start Line		0.25	———				By Code	7

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Cell Configuration:	Normal	Text	None				
2	Comment:	Normal	Text	None				
3	Height (mm):	Normal	Text	None				
4	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
5	Material:	Normal	Text	Choice List	CONCRETE, METAL, BRICK, Not Known, Other - see comment			
6	String	Normal	Integer	None				
7	Width (mm):	Normal	Text	None				

Code: DRDD

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Dish Drain	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRDDC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Dish Drain Centre	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRDDE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Dish Drain Edge	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRDFS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Drain Water Filter Sump	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRDPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Drainage Paint Mark	Point		Start Line		0.25	-----				By Code	9

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth (m):	Normal	Real	Range		-5	5	
4	Diameter (mm):	Normal	Text	Choice List	50, 75, 100, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 1050, 1200, 1350, 1500, 1650, 1800, 1950, 2100, Unknown, Other (Use Comment Att)			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
6	Material:	Normal	Text	Choice List	CONCRETE, PVC, RCP, FCP, CAST IRON, EARTHENWARE, COPPER, Other - see comment, Not Known			
7	Method:	Normal	Text	Choice List	Direct, Electro, GPR, DBYD			
8	Quality:	Normal	Text	Choice List	A, B, C, D			
9	String	Normal	Integer	None				

Code: DRGLD

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Grated Lined Drain	Point		Start Line		0.25	———	-----			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRGRT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Grate	Point		Start Line		0.25	———	———			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRHW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Headwall	Point		Start Line		0.25	———	———			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRIL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Invert Level	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Diameter:	Normal	Text	Choice List	50, 75, 100, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 1050, 1200, 1350, 1500, 1650, 1800, 1950, 2100, Unknown, Other - see comment			
4	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
5	Material:	Normal	Text	Choice List	CONCRETE, PVC, RCP, FCP, CAST IRON, EARTHENWARE, COPPER, Other - see comment, Not Known			
6	String	Normal	Integer	None				

Code: DRIPS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Inspection Point	Point		None							By Code	4

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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRKIP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Kerb Inlet Pit	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	DR Miscellaneous String	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	DR Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DROL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Obvert Level	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Diameter:	Normal	Text	Choice List	50, 75, 100, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 1050, 1200, 1350, 1500, 1650, 1800, 1950, 2100, Unknown, Other - see comment			
4	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
5	Material:	Normal	Text	Choice List	CONCRETE, PVC, RCP, FCP, CAST IRON, EARTHENWARE, COPPER, Other - see comment, Not Known			

6	String	Normal	Integer	None								
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Code: DRPIPE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Drainage Pipe	Point		Start Line		0.25	-----				By Code	7

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Configuration	Normal	Text	None				
3	Diameter (mm):	Normal	Text	Choice List	50, 75, 100, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 1050, 1200, 1350, 1500, 1650, 1800, 1950, 2100, Unknown, Other - see comment			
4	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
5	Material:	Normal	Text	Choice List	CONCRETE, PVC, RCP, FCP, CAST IRON, EARTHENWARE, COPPER, Other - see comment, Not Known			
6	Pipe Thickness:	Normal	Text	Choice List	A, B, C, D			
7	String	Normal	Integer	None				

Code: DRPIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Drainage Pit Outline	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRPITC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Drainage Pit Centre <1m	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter (mm):	Normal	Text	Choice List	1050, 1200, 1500, Unknown, Other - see comment			
5	Dimension (W x L):	Normal	Text	None				
6	String	Normal	Integer	None				

Code: DRSS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sub Soil Drain	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				

4	String	Normal	Integer	None								
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Code: DRSWM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Stormwater Manhole	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: DRWH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Weep Hole Face of Kerb	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: EL ELECTRICAL

Description:
Activated on Instrument: Yes

Code: ELCB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Cabinet	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELCU

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Underground Electrical Cable	Point		Start Line		0.25	—— ——— ———				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Config (W x H):	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 60, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
6	Material:	Normal	Text	Choice List	PVC, Polyethylene, Metal, Aluminium, Steel, Earthenware, Unknown, Other - see comment			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBXD			

8	Quality:	Normal	Text	Choice List	A, B, C, D			
9	String	Normal	Integer	None				
10	Voltage:	Normal	Text	Choice List	Low, High, 11kv, 33kv, Unknown, Other - see comment			

Code: ELDB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Distribution Boards Panels String	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELDBP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Distribution Boards Panels Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELECB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Earth Cable	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELEGL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Elevated Ground Lights	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELEM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Marker	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELEPIL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Pillar	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELEPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Paint Mark	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Config (W x H):	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
6	Material:	Normal	Text	Choice List	PVC, Polyethylene, Metal, Aluminium, Steel, Earthenware, Unknown, Other - see comment			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBRD			
8	Quality:	Normal	Text	Choice List	A, B, C, D			
9	String	Normal	Integer	None				
10	Voltage:	Normal	Text	Choice List	Low, High, 11kv, 33kv, Unknown, Other - see comment			

Code: ELER

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Earth Rod	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELESS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Sub Station	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELEST

Class	Code	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading	Block	Layer	Style	Attributes
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	Description							Colour			Option	
Advanced	Earth Stake	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELEVC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electric Vehicle Charge Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELEX

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Crossing	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELFLT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Flood Lights	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELFU

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Fuse Box	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELGEN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Generator	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELGLT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Ground Lights	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELLP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Light Pole	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	EL Miscellaneous String	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	EL Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELPIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Pit Outline	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELPITC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Electrical Pit Centre +1m	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				

4	Diameter (mm):	Normal	Text	Choice List	1050, 1200, 1500, Unknown, Other - see comment				
5	Dimension (W x L):	Normal	Text	None					
6	String	Normal	Integer	None					

Code: ELPLINE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Power Line	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELPLP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Power Light Pole	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELPP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Power Pole	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELPPT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Power Pole / Transformer	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELSP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Stay Pole	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: ELSW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Stay Wire	Point		Start Line		0.25	——	——			By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Configuration:	Normal	Text	Choice List	Vertical, Sloped			
5	Position of Attachment:	Normal	Text	Choice List	At Pole, At Ground			
6	String	Normal	Integer	None				

Code Group: GA GAS

Description:
Activated on Instrument: Yes

Code: GAGBO

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Bottle	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Size:	Normal	Text	None				
5	String	Normal	Integer	None				

Code: GAGM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Marker	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GAGMT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Meter	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GAGPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Paint Mark	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
					EW, C, C/C/L, NY, NB, P, PE, PVC, SE,			

6	Material:	Normal	Text	Choice List	V, Unknown, Other							
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBID							
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other - see comment							
9	Quality:	Normal	Text	Choice List	A, B, C, D							
10	String	Normal	Integer	None								

Code: GAGV

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Valve	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GAGX

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Crossing	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GALPG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LPG Tank	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GAMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	GA Miscellaneous String	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GAMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	GA Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GAPIPE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Pipe	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other - see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other - see comment, Not Known			
6	Material:	Normal	Text	Choice List	EW, C, CIGL, NY, NB, P, PE, PVC, ST, VL, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBVD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other - see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: GAPIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Pit Outline	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GAPITC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gas Pit Centre < 1m	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter:	Normal	Text	Choice List	1050, 1200, 1500, Unknown, Other - See Comment			
5	Dimension:	Normal	Text	None				
6	String	Normal	Integer	None				

Code Group: GE GEOTECH

Description:
Activated on Instrument: Yes

Code: GTBH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Borehole	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				

2	Comment 2:	Normal	Text	None								
3	Comment 3:	Normal	Text	None								
4	String	Normal	Integer	None								

Code: GTCPT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Cone Penetrometer	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GTGPR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Ground Penetrating Radar	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GTMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	GT Miscellaneous String	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GTMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	GT Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GTMW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	GT Monitoring Well	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: GTTPIT

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Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Test Pit	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: LM LINEMARKING

Description:
Activated on Instrument: Yes

Code: LMALT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Arrow Left Turn	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMART

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Arrow Right Turn	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMASA

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Arrow Straight Ahead	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMASL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Arrow Straight And Left	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMASR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Arrow Straight And Right	Point		Start Line		0.25	——	——			By Code	4

	Right											
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMBIKE

Class	Code Description	Type	Quick Code	Line work	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Bike Lane Marking	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMBS

Class	Code Description	Type	Quick Code	Line work	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Barrier And Separation	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCA

Class	Code Description	Type	Quick Code	Line work	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Pedestrian Crossing Approach	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCC

Class	Code Description	Type	Quick Code	Line work	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Continuity 1x3	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCD

Class	Code Description	Type	Quick Code	Line work	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Unbroken	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				

3	Comment 3:	Normal	Text	None								
4	String	Normal	Integer	None								

Code: LMC GT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Giveaway Turn	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Separation 6x6	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCV

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Chevron Marking Left	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Clearway 3x3	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCX

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Pedestrian Crossing Signals	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCY

Class	Code	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading	Block	Layer	Style	Attributes
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	Description							Colour			Option	
Advanced	LM Chevron Marking Right	Point		Start Line		0.25	—	—			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMCZ

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Pedestrian Crossing Zebra	Point		Start Line		0.25	—	—			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMDA

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Dragons Teeth Right	Point		Start Line		0.25	—	—			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMDB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Double Barrier	Point		Start Line		0.25	—	—			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMDC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Dragons Teeth Left	Point		Start Line		0.25	—	—			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMDIS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Disabled Marking	Point		Start Line		0.25	—	—			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				

3	Comment 3:	Normal	Text	None								
4	String	Normal	Integer	None								

Code: LMLL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Lane 3x9	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Miscellaneous String	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS1

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Speed Zone 100kmh	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS2

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Speed Zone 110kmh	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS4

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes

Advanced	LM Speed Zone 40km/h	Point		Start Line		0.25	——	——			By Code	4
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS5

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Speed Zone 50km/h	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS6

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Speed Zone 60km/h	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS7

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Speed Zone 70km/h	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS8

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Speed Zone 80km/h	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMS9

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Speed Zone 90km/h	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMSB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Separation and Barrier	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: LMSL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Stop Sign Line Marking	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: RD ROADS

Description:
Activated on Instrument: Yes

Code: RDBG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Boom Gate	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDBIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bitumen	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDBKB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Kerb (Back)	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDBSH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bitumen Spot Height	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDCG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Cattle Grid	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDCLB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Centre Line of Bitumen	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDCLG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Centre Line of Gravel	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDDWY

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Driveway	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDEB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Edge of Bitumen	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDEG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
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Advanced	Edge of Gravel	Point		Start Line		0.25	—				By Code	4
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDET

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Edge of Track	Point		Start Line		0.25	—				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDGPO

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Guide Post	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDGR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Guard Rail	Point		Start Line		0.25	—	-----			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDGUT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Kerb Gutter	Point		Start Line		0.25	—	-----			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDGVL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gravel Spot Height	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDLIP

Class	Code	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading	Block	Layer	Style	Attributes
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	Description							Colour			Option	
Advanced	Gutter Lip	Point		Start Line	■	0.25	—				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDMIR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Minor	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	RD Miscellaneous String	Point		Start Line	■	0.25	—				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	RD Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDMS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Median Strip	Point		Start Line	■	0.25	—				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDPATH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Footpath in Road Reserve	Point		Start Line	■	0.25	—				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				

4	Material:	Normal	Text	None					
5	String	Normal	Integer	None					

Code: RDPMT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Parking Meter	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDPRI

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Pavement	Point		Start Line	■	0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDPTM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Parking Ticket Machine	Point		Start Line	■	0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDPTMP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Parking Ticket Machine Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDPVR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Paved Surface	Point		Start Line	■	0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDRC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Road Crown	Point		Start Line	■	0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDSGN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sign	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Sign Type:	Normal	Text	None				
5	String	Normal	Integer	None				
6	Text on Sign:	Normal	Text	None				

Code: RDSIN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Large Road Sign	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Sign Type:	Normal	Text	None				
5	String	Normal	Integer	None				
6	Text on Sign:	Normal	Text	None				

Code: RDSPH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Speed Hump	Point		Start Line	■	0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDTK

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Top of Kerb	Point		Start Line	■	0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDTL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Traffic Light	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDTLC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Traffic Light Control Box	Point		Start Line		0.25					By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: RDTLCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Traffic Light Control Box Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: SE SEWER

Description:
Activated on Instrument: Yes

Code: SEIL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Invert Level	Point		None							By Code	8

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not Known			
6	Material:	Normal	Text	Choice List	Concrete, PVC, Polyethylene, Clay, Cast Iron, Galvanised, Earthenware, Copper, Unknown, Other			
7	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
8	String	Normal	Integer	None				

Code: SEIPS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Inspection Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SEMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	SE Miscellaneous String	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SEMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	SE Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SEOL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Obvert Level	Point		None							By Code	8

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not Known			
6	Material:	Normal	Text	Choice List	Concrete, PVC, Polyethylene, Clay, Cast iron, Galvanised, Earthenware, Copper, Unknown, Other			
7	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
8	String	Normal	Integer	None				

Code: SEORG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Overflow Relief Gully	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SEPIPE

Code							Shading			Style	
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Class	Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Colour	Block	Layer	Option	Attributes
Advanced	Sewer Pipe	Point		Start Line		0.25	———				By Code	8

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not Known			
6	Material:	Normal	Text	Choice List	Concrete, PVC, Polyethylene, Clay, Cast iron, Galvanised, Earthenware, Copper, Unknown, Other			
7	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
8	String	Normal	Integer	None				

Code: SEPIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Pit Outline	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SEPITC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Pit Centre <1m	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter (mm):	Normal	Text	Choice List	1050, 1200, 1500, Unknown, Other - see comment			
5	Dimension (W x L):	Normal	Text	None				
6	String	Normal	Integer	None				

Code: SESMH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Man Hole	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter:	Normal	Text	Choice List	1050, 1200, 1500, Unknown, Other See Comment			
5	Dimension:	Normal	Text	None				
6	String	Normal	Integer	None				

Code: SESMO

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	SMH Outline	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SESPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Paint Mark	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	5	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment A/B, Not Known			
6	Material:	Normal	Text	Choice List	Concrete, PVC, Polyethylene, Clay, Cast Iron, Galvanised, Earthenware, Copper, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DWD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: SESPT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Septic Tank	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SESPTO

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Septic Tank Outline	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SESRM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
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Advanced	Sewer Rising Main	Point		Start Line		0.25	-----				By Code	8
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Configuration	Normal	Text	None				
3	Depth	Normal	Real	Range		-5	5	
4	Diameter	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not Known			
6	Material	Normal	Text	Choice List	Concrete, PVC, Polyethylene, Clay, Cast Iron, Galvanised, Earthenware, Copper, Unknown, Other			
7	Pressure	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
8	String	Normal	Integer	None				

Code: SESUMP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sump	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SESVT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Vent	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SETPA

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sewer Transpiration Area	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: ST STRUCTURE

Description:
Activated on Instrument: Yes

Code: STBBQ

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
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Advanced	BBQ	Point		None						By Code	4
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBGB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bridge Gider Bottom	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBGT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bridge Gider Top	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBIK

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bike Rack	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBIN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bin	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBINP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bin Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBOL

Class	Code	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading	Block	Layer	Style	Attributes
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	Description							Colour			Option	
Advanced	Bollard	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter:	Normal	Text	None				
5	String	Normal	Integer	None				

Code: STBRG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bridge	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Buttress	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STBWL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Brick Wall	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STCON

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Concrete	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STCOSH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Concrete Spot Height	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STCWL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Concrete Wall	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STFCE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Fence	Point		Start Line		0.25	-----				By Code	3

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	String	Normal	Integer	None				
3	Type:	Normal	Text	Choice List	Metal, Timber, Concrete, Brick, Other (Show in Comment)			

Code: STFP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Flag Pole	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STFT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Footing	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STGTE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Gate	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STHE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Helipad	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STHR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Hand Rail	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	ST Miscellaneous String	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	ST Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STPG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Playground	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STPOOL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Swimming Pool	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STPTH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Path	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				

3	Comment 3:	Normal	Text	None								
4	String	Normal	Integer	None								

Code: STRMP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Ramp	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STRWB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Retaining Wall - Brick	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STRWC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Retaining Wall - Concrete	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STRWL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Rock Wall	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STRWM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Retaining Wall - Metal	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STRWR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Retaining Wall - Rock	Point		Start Line		0.25	——	——			By Code	4

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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STRWT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Retaining Wall - Timber	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STSB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bottom of Stairs (Ground Level)	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STSC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Shade Cloth	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STSEAT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Seat	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STSOF

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Soffit	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STST

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
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Class	Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Colour	Block	Layer	Option	Attributes
Advanced	Top of Stairs	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STSTP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Steps	Point		Start Line		0.25	———	-----			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STTBL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Table	Point		Start Line		0.25	———	-----			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STTC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Tennis Court	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: STVT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Ventilation Unit or Grate	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: SV SURVEY

Description:
Activated on Instrument: Yes

Code: SVBB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Brass Bar	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				

2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
4	String	Normal	Integer	None				

Code: SVBM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Survey Bench Mark	Point		None							By Code	7

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	Desc:	Normal	Text	Choice List	GI Nail in Kerb, DDR, Brass Plaque, SS Nail in Kerb, Screw in Kerb, GI Nail in Conc, SS Nail in Conc, Screw in Conc, GIP, Buried Star Pkt, Star Pkt, Drill Hole, Other (Show in comment)			
4	DP Number:	Normal	Text	None				
5	Mark Name:	Normal	Text	None				
6	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
7	String	Normal	Integer	None				

Code: SVBOLT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bolt	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVBS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Backsight Check	Point		None							By Code	3

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	String	Normal	Integer	None				

Code: SVBT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Brass Triangle	Point		None							By Code	7

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	km:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	RF Offset (m):	Normal	Text	None				
6	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd

7	String	Normal	Integer	None								
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Code: SVCAL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Calibration PT of GPS Survey	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Desc:	Normal	Text	Choice List	GI Nail in Kerb, DDR, Brass Plaque, SS Nail in Kerb, Screw in Kerb, GI Nail in Conc, SS Nail in Conc, Screw in Conc, GIP, Buried Star Pkt, Star Pkt, Drill Hole, Other (Show in Comment)			
3	Mark Name:	Normal	Text	None				
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
5	String	Normal	Integer	None				

Code: SVCB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Concrete Block	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Change Point	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Desc:	Normal	Text	Choice List	GI Nail in Kerb, DDR, Brass Plaque, SS Nail in Kerb, Screw in Kerb, GI Nail in Conc, SS Nail in Conc, Screw in Conc, GIP, Buried Star Pkt, Star Pkt, Drill Hole, Other (Show in Comment)			
3	Mark Name:	Normal	Text	None				
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			
5	String	Normal	Integer	None				

Code: SVDH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Drill Hole	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				

2	DP Number:	Normal	Text	None					
3	Mark Name:	Normal	Text	None					
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE				Fd
5	String	Normal	Integer	None					

Code: SVDHW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Drill Hole and Wing	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	DP Number:	Normal	Text	None				
3	Mark Name:	Normal	Text	None				
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
5	String	Normal	Integer	None				

Code: SVDPY

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Dumpy	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			PLACED
4	String	Normal	Integer	None				

Code: SVFP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Fence Post	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	DP Number:	Normal	Text	None				
3	Mark Name:	Normal	Text	None				
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
5	String	Normal	Integer	None				
6	Type:	Normal	Text	Choice List	Metal, Timber, Concrete, Brick, Other (Show in Comment)			

Code: SVFS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Foresight Check	Point		None							By Code	3

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	String	Normal	Integer	None				

Code: SVGIN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Galvanised Iron Nail	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			PLACED

4	String	Normal	Integer	None								
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Code: SVGIP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Galvanised Iron Pipe	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVGPSB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	GPS Base Station Setup	Point		None							By Code	3

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	String	Normal	Integer	None				

Code: SVID

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Link Dot	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			PLACED
4	String	Normal	Integer	None				

Code: SVLP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Lead Plug	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
4	String	Normal	Integer	None				

Code: SVMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	SV Miscellaneous	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVNAIL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Concrete Nail	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVORI

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Survey Origin	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Grid Ground:	Normal	Text	Choice List	Grid, Ground			
3	Mark Name:	Normal	Text	None				
4	Scale:	Normal	Real	None				
5	String	Normal	Integer	None				

Code: SVPEG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Peg	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVPILL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Pillar	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Name Plaque:	Normal	Text	Choice List	Yes, No, Damaged			
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
5	String	Normal	Integer	None				

Code: SVPIN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Pin	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVPLUG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Aluminium Plug	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
4	String	Normal	Integer	None				

Code: SVPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Permanent Mark	Point		None							By Code	8

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Box:	Normal	Text	Choice List	Yes, No, Damaged			Yes
2	Comment:	Normal	Text	None				
3	Depth of Pin (m):	Normal	Real	Range		-5	0	
4	DP Number:	Normal	Text	None				
5	Mark Name:	Normal	Text	None				
6	Name Plaque:	Normal	Text	Choice List	Yes, No, Damaged			Yes
7	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
8	String	Normal	Integer	None				

Code: SVPMK

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Punch Mark	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
4	String	Normal	Integer	None				

Code: SVPTM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Survey Paint Mark	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			PLACED
4	String	Normal	Integer	None				

Code: SVQQ

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Quality Check	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Desc:	Normal	Text	Choice List	GI Nail in Kerb, DDR, Brass Plaque, SS Nail in Kerb, Screw in Kerb, GI Nail in Conc, SS Nail in Conc, Screw in Conc, GIP, Buried Star Pkt,			

					Star Pkt, Drill Hole, Other (Show in Comment)			
3	Mark Name:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SVRES

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Resection	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Desc:	Normal	Text	Choice List	GI Nail in Kerb, DDR, Brass Plaque, SS Nail in Kerb, Screw in Kerb, GI Nail in Conc, SS Nail in Conc, Screw in Conc, GIP, Buried Star Pkt, Star Pkt, Drill Hole, Other (Show in Comment)			
3	Mark Name:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: SVRT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Reflective Target	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Mark Name:	Normal	Text	None				
3	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			PLACED
4	String	Normal	Integer	None				

Code: SVSCR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Screw	Point		None							By Code	7

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Name Plaque:	Normal	Text	Choice List	Yes, No, Damaged			
6	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
7	String	Normal	Integer	None				

Code: SVSP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Survey STN Star Picket	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Depth below NS (m):	Normal	Real	Range		-5	0	
3	DP Number:	Normal	Text	None				
4	Mark Name:	Normal	Text	None				
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			
6	String	Normal	Integer	None				

Code: SVSSM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	State Survey Mark	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	DP Number:	Normal	Text	None				
3	Mark Name:	Normal	Text	None				
4	Name Plaque:	Normal	Text	Choice List	Yes, No, Damaged			Yes
5	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
6	String	Normal	Integer	None				

Code: SVSTN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Station	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Desc:	Normal	Text	Choice List	GI Nail in Kerb, DDR, Brass Plaque, SS Nail in Kerb, Screw in Kerb, GI Nail in Conc, SS Nail in Conc, Screw in Conc, GIP, Buried Star Pkt, Star Pkt, Drill Hole			
3	Mark Name:	Normal	Text	None				
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			PLACED
5	String	Normal	Integer	None				

Code: SVTEMP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Temporary Station	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Desc:	Normal	Text	Choice List	GI Nail in Kerb, DDR, Brass Plaque, SS Nail in Kerb, Screw in Kerb, GI Nail in Conc, SS Nail in Conc, Screw in Conc, GIP, Buried Star Pkt, Star Pkt, Drill Hole			
3	Mark Name:	Normal	Text	None				
4	Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			PLACED
5	String	Normal	Integer	None				

Code: SVTS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Trig Station	Point		None							By Code	9

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Cap:	Normal	Text	Choice List	Yes, No, Damaged			
2	Comment:	Normal	Text	None				
3	DP Number:	Normal	Text	None				
4	Name Plaque:	Normal	Text	Choice List	Yes, No, Damaged			
5	String	Normal	Integer	None				
6	TS Name:	Normal	Text	None				
7	TS Number:	Normal	Text	None				
8	TS Status:	Mandatory	Text	Choice List	Fd, NOT Fd, DIST'd, PLACED, GONE			Fd
9	Vane:	Normal	Text	Choice List	Yes, No, Damaged			

Code Group: TO TOPOGRAPHIC

Description:
Activated on Instrument: Yes

Code: TOCG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Change in Grade	Point		Start Line		0.25	———				By Code	S

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TOMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	TO Miscellaneous String	Point		Start Line		0.25	-----				By Code	S

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TOMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	TO Miscellaneous Point	Point		None							By Code	S

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TONS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Natural Surface	Point		Start Line		0.25	———				By Code	S

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TOSH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Spot Height	Point		None							By Code	S

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES

5	String	Normal	Integer	None								
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Code: TOTO

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Toe of Bank	Point		Start Line		0.25	——				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TOTP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Top of Bank	Point		Start Line		0.25	——				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TOUW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Sonar Transducer Height	Point		None							By Code	2

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	High	Normal	Text	None				
2	Low	Normal	Text	None				

Code: TOWC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Course	Point		Start Line		0.25	—— - - - - -				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TOWL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Level	Point		Start Line		0.25	——				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: TOWLP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Level Point	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code Group: UN UNKNOWN

Description:

Activated on Instrument: Yes

Code: UNMH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Man Hole	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter:	Normal	Text	Choice List	1050, 1200, 1500, Unknown, Other See Comment			
5	Dimension:	Normal	Text	None				
6	String	Normal	Integer	None				

Code: UNMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	UN Miscellaneous String	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: UNMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	UN Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: UNPILL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Pillar	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: UNPIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Pit	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: UNSAG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Service Above Ground	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Justify:	Normal	Text	Choice List	Bottom, Top, Other			Bottom
4	String	Normal	Integer	None				

Code: UNSPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Service Paint Mark	Point		Start Line		0.25	——				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 60, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not Known			
6	Material:	Normal	Text	Choice List	Concrete, PVC, Polyethylene, Clay, Cast iron, Galvanised, Earthenware, Copper, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, D8XD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: UNSS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Service Structure	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: UNSUG

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Service Under Ground	Point		Start Line		0.25	——				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 60, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not Known			
6	Material:	Normal	Text	Choice List	Concrete, PVC, Polyethylene, Clay, Cast Iron, Galvanised, Earthenware, Copper, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBTD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code Group: VE VEGETATION

Description:
Activated on Instrument: Yes

Code: VEGDN

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Garden Edge	Point		Start Line		0.25	——				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: VEMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	VE Miscellaneous String	Point		Start Line		0.25	——				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: VEMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	VE Miscellaneous Point	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				

3	Comment 3:	Normal	Text	None								
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points							YES
5	String	Normal	Integer	None								

Code: VESRB

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Scrub Line	Point		Start Line		0.25	-----				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: VESRZ

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Structural Root Zone	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: VETPZ

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Tree Protection Zone	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code: VETR

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Single Tree	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Canopy:	Normal	Text	None				
2	Comment:	Normal	Text	None				
3	Diameter:	Normal	Text	None				
4	Height:	Normal	Text	None				
5	String	Normal	Integer	None				
6	Tag ID:	Normal	Text	None				

Code: VETRL

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Tree Line	Point		Start Line		0.25	-----				By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Contourable String:	Mandatory	Text	Choice List	YES, NO, Points			YES
5	String	Normal	Integer	None				

Code Group: WA WATER

Description:
Activated on Instrument: Yes

Code: WABWP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Bore Water Pump	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	WA Miscellaneous String	Point		Start Line		0.25	——				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	WA Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAMW

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Monitoring Well	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAPIPE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Pipe	Point		Start Line		0.25	——				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see			

					Comment Att, Not Known			
6	Material:	Normal	Text	Choice List	AC, CL, C1CL, CONC, COPPER, DL, D1CL, EW, GL, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WL, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, D8YD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: WAPIT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Pit Outline	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAPITC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Pit Centre <1m	Point		None							By Code	6

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	Diameter (mm):	Normal	Text	Choice List	1050, 1200, 1500, Unknown, Other - see comment			
5	Dimension (W x L):	Normal	Text	None				
6	String	Normal	Integer	None				

Code: WASV

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Stop Valve	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WATAP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Tap	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAWF

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes

Advanced	Water Feature	Point		None						By Code	4
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAWM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Main	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, CICI, CONC, COPPER, DI, DICL, EW, GL, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WL, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBTD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: WAWMT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Meter	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAWPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Paint Mark	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment Att, Not			

					Known							
6	Material:	Normal	Text	Choice List	AC, CL, C1CL, CONC, COPPER, DL, D1CL, EW, GL, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WL, Unknown, Other							
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBXD							
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment							
9	Quality:	Normal	Text	Choice List	A, B, C, D							
10	String	Normal	Integer	None								

Code: WAWT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Tank	Point		Start Line		0.25	———				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAWV

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Valve	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WAWX

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Water Crossing	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code Group: WF FIRE

Description:
Activated on Instrument: Yes

Code: WFFH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Fire Hose	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WFFS

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
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Advanced	Fire Service	Point		Start Line		0.25	-----	-----			By Code	10
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#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment	Normal	Text	None				
2	Configuration	Normal	Text	None				
3	Depth	Normal	Real	Range		-5	0	
4	Diameter	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment A33, Not Known			
6	Material	Normal	Text	Choice List	AC, CI, CICI, CONC, COPPER, DI, DICI, EW, GL, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WL, Unknown, Other			
7	Method	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBYD			
8	Pressure	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: WFHYD

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Hydrant	Point		None							By Code	5

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				
5	Type	Normal	Text	Choice List	INGROUND, STANDPIPE			INGROUND

Code: WFMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	WA Miscellaneous String	Point		Start Line		0.25	-----				By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WFMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	WA Miscellaneous Point	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1	Normal	Text	None				
2	Comment 2	Normal	Text	None				
3	Comment 3	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WFRM

Code	Shading	Style
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Class	Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Colour	Block	Layer	Option	Attributes
Advanced	Fire Ring Main	Point		Start Line		0.25	——				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment A/B, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, C1CL, CONC, COPPER, DI, D1CL, EW, GI, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBXD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: WFSPM

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Fire Water Paint Mark	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment A/B, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, C1CL, CONC, COPPER, DI, D1CL, EW, GI, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBXD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code Group: WI IRRIGATION

Description:
Activated on Instrument: Yes

Code: WICB

Code	Shading	Style
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Class	Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Colour	Block	Layer	Option	Attributes
Advanced	Irrigation Control Box	Point		Start Line		0.25	——	——			By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				

Code: WIMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	W1 Miscellaneous String	Point		Start Line		0.25	——	——			By Code	0

Code: WIMISCP

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	W1 Miscellaneous Point	Point		None							By Code	0

Code: WIPIPE

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Irrigation Pipe	Point		Start Line		0.25	-----				By Code	10

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment:	Normal	Text	None				
2	Configuration:	Normal	Text	None				
3	Depth:	Normal	Real	Range		-5	0	
4	Diameter:	Normal	Text	Choice List	16, 20, 25, 32, 40, 50, 80, 100, 125, 150, 200, Unknown, Other see comment			
5	Justify:	Normal	Text	Choice List	Top (Crown), Invert, Obvert, Bottom, Other see Comment A18, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, C1CL, CONC, COPPER, DI, DI CL, EW, GL, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, Unknown, Other			
7	Method:	Normal	Text	Choice List	Direct, Electromagnetic, GPR, DBVD			
8	Pressure:	Normal	Text	Choice List	Low, High, Unknown, Other see comment			
9	Quality:	Normal	Text	Choice List	A, B, C, D			
10	String	Normal	Integer	None				

Code: WISH

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Irrigation Spray Head	Point		None							By Code	4

#	Attribute Name	Attribute Type	Value Type	Value Region	Choice List	Range from	Range to	Default Value
1	Comment 1:	Normal	Text	None				
2	Comment 2:	Normal	Text	None				
3	Comment 3:	Normal	Text	None				
4	String	Normal	Integer	None				