

The University of Newcastle

Infrastructure and Facilities Services

Project Briefing Document

Surveying Design Standards

December 2024

Version 2.0

DOCUMENT CONTROL:

Document Revisions					
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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.

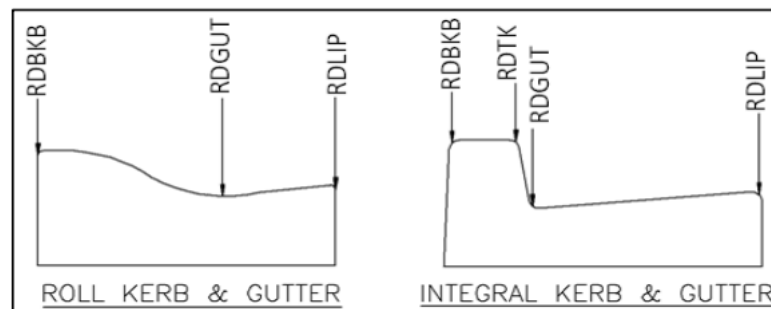


FIGURE 1: PROFILE LOCATION OF KERBS

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.

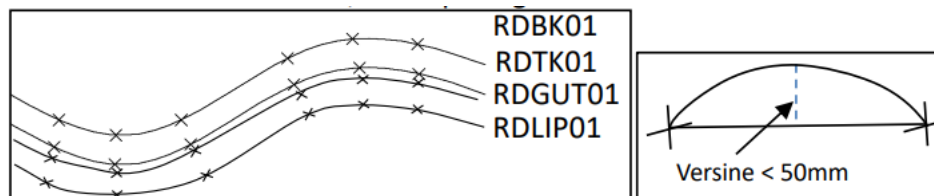


FIGURE 2: STRING LOCATION OF KERBS AND VERSINE

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.

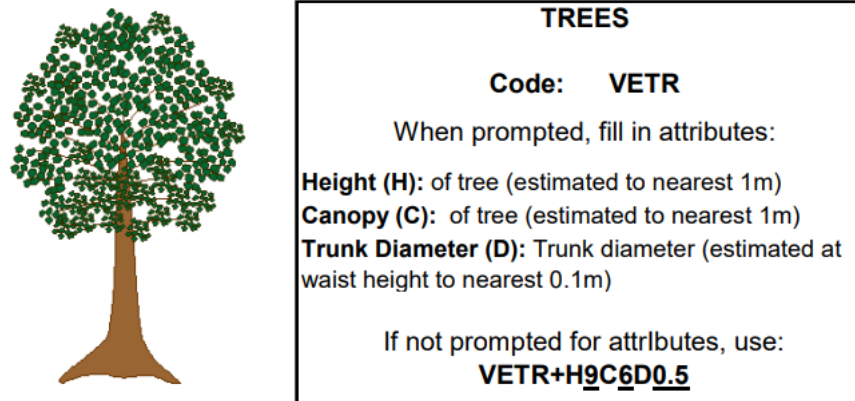


FIGURE 3: TREE ATTRIBUTE CAPTURE AND LABELLING

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.

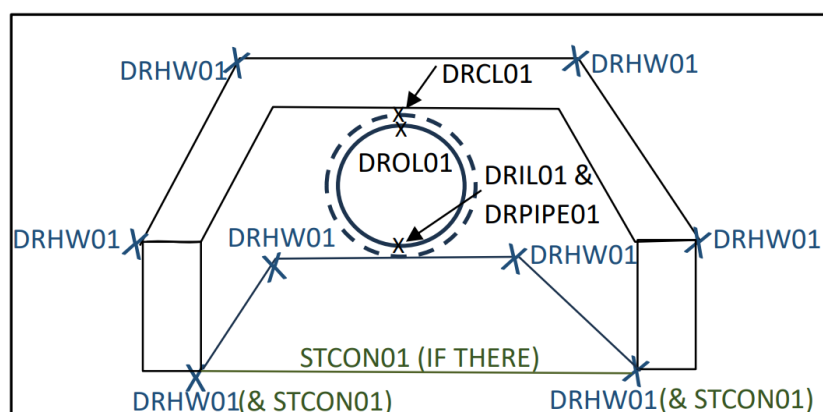


FIGURE 4: PROFILE LOCATION OF A DRAINAGE HEADWALL

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.

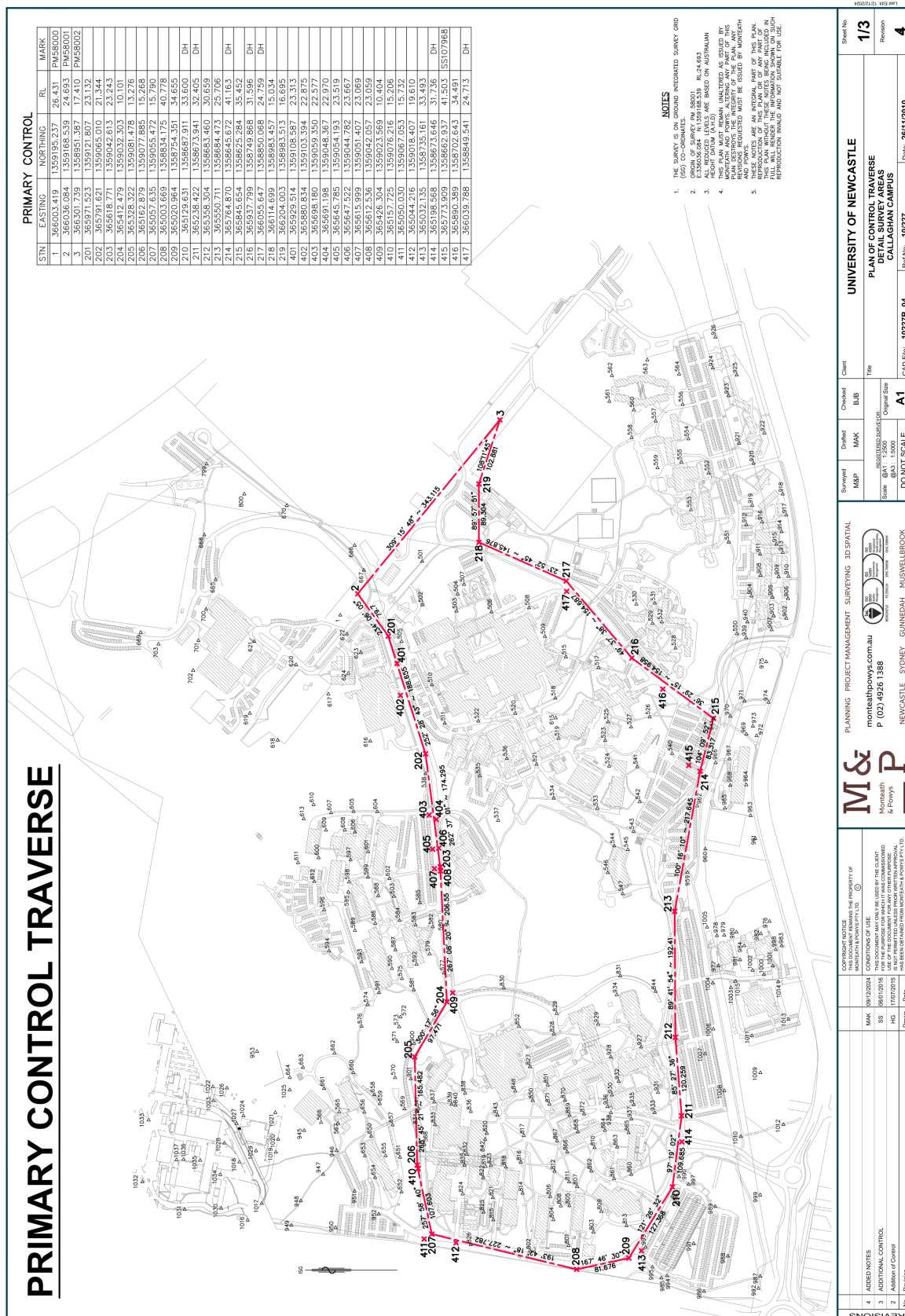
TABLE 2: SURVEY CONTROL INFORMATION

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.

APPENDIX A – Callaghan Campus Survey Control Plan



Detail Surveying Standards – V2.0



4	ADDITION NOTES	MARK	OWN 12/20/14	COPYRIGHT NOTICE THIS DOCUMENT IS THE PROPERTY OF MONTAUK UNIVERSITY LTD. ©
3	ADDITIONAL CONTROL	SS	06/01/2019	
2	ADDITION OF Control	HD	17/07/2015	
No	Revision	Drawn		

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Title			CAD File: 10227B 04

UNIVERSITY OF NEWCASTLE		Sheet No.	2/3
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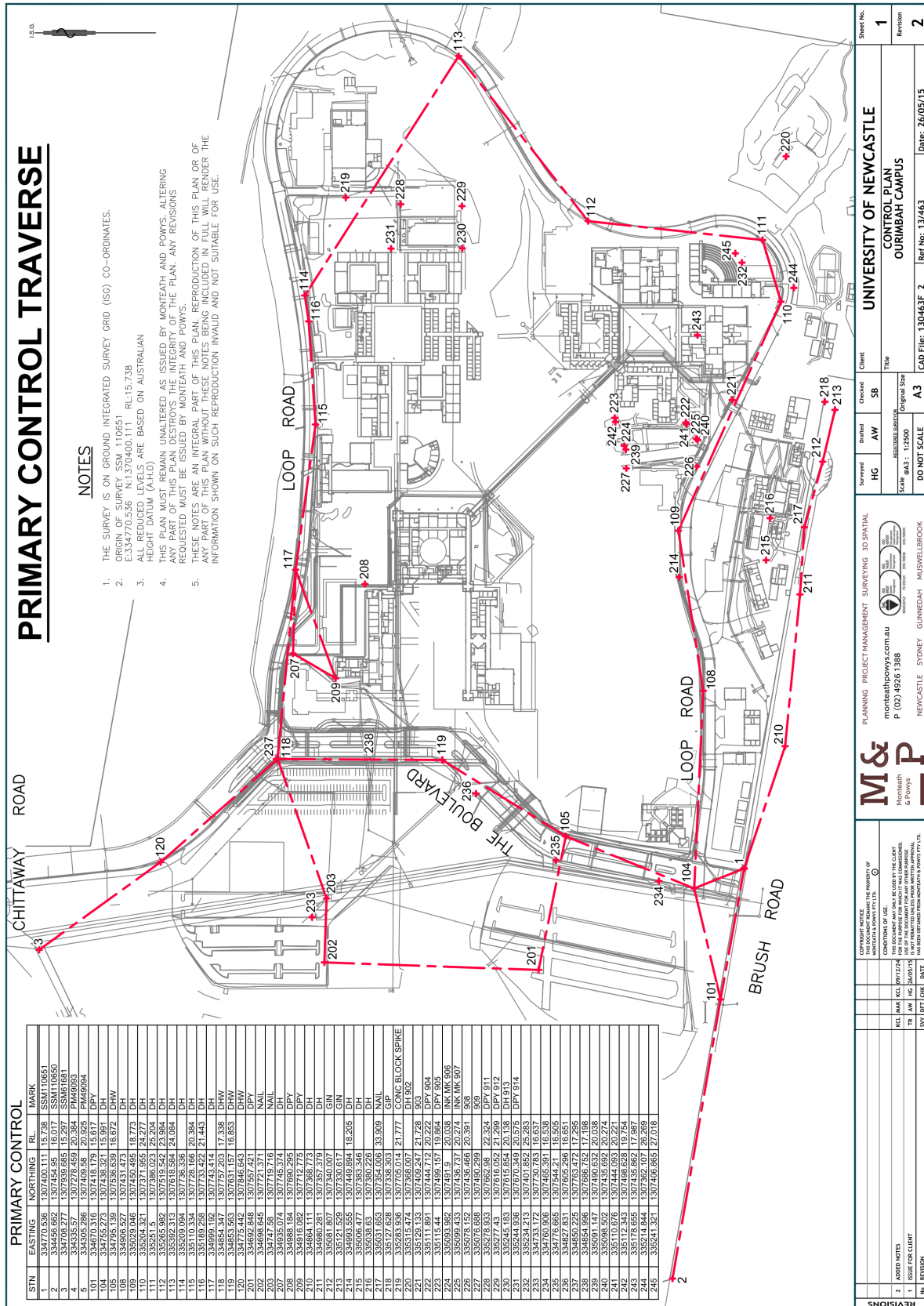
Law 546 12/12/2024



STN	STN1	STN2	STN3	STN4	STN5	STN6	STN7	STN8	STN9	STN10	STN11	STN12	STN13	STN14	STN15	STN16	STN17	STN18	STN19	STN20	STN21	STN22	STN23	STN24	STN25	STN26	STN27	STN28	STN29	STN30	STN31	STN32	STN33	STN34	STN35	STN36	STN37	STN38	STN39	STN40	STN41	STN42	STN43	STN44	STN45	STN46	STN47	STN48	STN49	STN50	STN51	STN52	STN53	STN54	STN55	STN56	STN57	STN58	STN59	STN60	STN61	STN62	STN63	STN64	STN65	STN66	STN67	STN68	STN69	STN70	STN71	STN72	STN73	STN74	STN75	STN76	STN77	STN78	STN79	STN80	STN81	STN82	STN83	STN84	STN85	STN86	STN87	STN88	STN89	STN90	STN91	STN92	STN93	STN94	STN95	STN96	STN97	STN98	STN99	STN100	STN101	STN102	STN103	STN104	STN105	STN106	STN107	STN108	STN109	STN110	STN111	STN112	STN113	STN114	STN115	STN116	STN117	STN118	STN119	STN120	STN121	STN122	STN123	STN124	STN125	STN126	STN127	STN128	STN129	STN130	STN131	STN132	STN133	STN134	STN135	STN136	STN137	STN138	STN139	STN140	STN141	STN142	STN143	STN144	STN145	STN146	STN147	STN148	STN149	STN150	STN151	STN152	STN153	STN154	STN155	STN156	STN157	STN158	STN159	STN160	STN161	STN162	STN163	STN164	STN165	STN166	STN167	STN168	STN169	STN170	STN171	STN172	STN173	STN174	STN175	STN176	STN177	STN178	STN179	STN180	STN181	STN182	STN183	STN184	STN185	STN186	STN187	STN188	STN189	STN190	STN191	STN192	STN193	STN194	STN195	STN196	STN197	STN198	STN199	STN200	STN201	STN202	STN203	STN204	STN205	STN206	STN207	STN208	STN209	STN210	STN211	STN212	STN213	STN214	STN215	STN216	STN217	STN218	STN219	STN220	STN221	STN222	STN223	STN224	STN225	STN226	STN227	STN228	STN229	STN230	STN231	STN232	STN233	STN234	STN235	STN236	STN237	STN238	STN239	STN240	STN241	STN242	STN243	STN244	STN245	STN246	STN247	STN248	STN249	STN250	STN251	STN252	STN253	STN254	STN255	STN256	STN257	STN258	STN259	STN260	STN261	STN262	STN263	STN264	STN265	STN266	STN267	STN268	STN269	STN270	STN271	STN272	STN273	STN274	STN275	STN276	STN277	STN278	STN279	STN280	STN281	STN282	STN283	STN284	STN285	STN286	STN287	STN288	STN289	STN290	STN291	STN292	STN293	STN294	STN295	STN296	STN297	STN298	STN299	STN300	STN301	STN302	STN303	STN304	STN305	STN306	STN307	STN308	STN309	STN310	STN311	STN312	STN313	STN314	STN315	STN316	STN317	STN318	STN319	STN320	STN321	STN322	STN323	STN324	STN325	STN326	STN327	STN328	STN329	STN330	STN331	STN332	STN333	STN334	STN335	STN336	STN337	STN338	STN339	STN340	STN341	STN342	STN343	STN344	STN345	STN346	STN347	STN348	STN349	STN350	STN351	STN352	STN353	STN354	STN355	STN356	STN357	STN358	STN359	STN360	STN361	STN362	STN363	STN364	STN365	STN366	STN367	STN368	STN369	STN370	STN371	STN372	STN373	STN374	STN375	STN376	STN377	STN378	STN379	STN380	STN381	STN382	STN383	STN384	STN385	STN386	STN387	STN388	STN389	STN390	STN391	STN392	STN393	STN394	STN395	STN396	STN397	STN398	STN399	STN400	STN401	STN402	STN403	STN404	STN405	STN406	STN407	STN408	STN409	STN410	STN411	STN412	STN413	STN414	STN415	STN416	STN417	STN418	STN419	STN420	STN421	STN422	STN423	STN424	STN425	STN426	STN427	STN428	STN429	STN430	STN431	STN432	STN433	STN434	STN435	STN436	STN437	STN438	STN439	STN440	STN441	STN442	STN443	STN444	STN445	STN446	STN447	STN448	STN449	STN450	STN451	STN452	STN453	STN454	STN455	STN456	STN457	STN458	STN459	STN460	STN461	STN462	STN463	STN464	STN465	STN466	STN467	STN468	STN469	STN470	STN471	STN472	STN473	STN474	STN475	STN476	STN477	STN478	STN479	STN480	STN481	STN482	STN483	STN484	STN485	STN486	STN487	STN488	STN489	STN490	STN491	STN492	STN493	STN494	STN495	STN496	STN497	STN498	STN499	STN500	STN501	STN502	STN503	STN504	STN505	STN506	STN507	STN508	STN509	STN510	STN511	STN512	STN513	STN514	STN515	STN516	STN517	STN518	STN519	STN520	STN521	STN522	STN523	STN524	STN525	STN526	STN527	STN528	STN529	STN530	STN531	STN532	STN533	STN534	STN535	STN536	STN537	STN538	STN539	STN540	STN541	STN542	STN543	STN544	STN545	STN546	STN547	STN548	STN549	STN550	STN551	STN552	STN553	STN554	STN555	STN556	STN557	STN558	STN559	STN560	STN561	STN562	STN563	STN564	STN565	STN566	STN567	STN568	STN569	STN570	STN571	STN572	STN573	STN574	STN575	STN576	STN577	STN578	STN579	STN580	STN581	STN582	STN583	STN584	STN585	STN586	STN587	STN588	STN589	STN590	STN591	STN592	STN593	STN594	STN595	STN596	STN597	STN598	STN599	STN600	STN601	STN602	STN603	STN604	STN605	STN606	STN607	STN608	STN609	STN610	STN611	STN612	STN613	STN614	STN615	STN616	STN617	STN618	STN619	STN620	STN621	STN622	STN623	STN624	STN625	STN626	STN627	STN628	STN629	STN630	STN631	STN632	STN633	STN634	STN635	STN636	STN637	STN638	STN639	STN640	STN641	STN642	STN643	STN644	STN645	STN646	STN647	STN648	STN649	STN650	STN651	STN652	STN653	STN654	STN655	STN656	STN657	STN658	STN659	STN660	STN661	STN662	STN663	STN664	STN665	STN666	STN667	STN668	STN669	STN670	STN671	STN672	STN673	STN674	STN675	STN676	STN677	STN678	STN679	STN680	STN681	STN682	STN683	STN684	STN685	STN686	STN687	STN688	STN689	STN690	STN691	STN692	STN693	STN694	STN695	STN696	STN697	STN698	STN699	STN700	STN701	STN702	STN703	STN704	STN705	STN706	STN707	STN708	STN709	STN710	STN711	STN712	STN713	STN714	STN715	STN716	STN717	STN718	STN719	STN720	STN721	STN722	STN723	STN724	STN725	STN726	STN727	STN728	STN729	STN730	STN731	STN732	STN733	STN734	STN735	STN736	STN737	STN738	STN739	STN740	STN741	STN742	STN743	STN744	STN745	STN746	STN747	STN748	STN749	STN750	STN751	STN752	STN753	STN754	STN755	STN756	STN757	STN758	STN759	STN760	STN761	STN762	STN763	STN764	STN765	STN766	STN767	STN768	STN769	STN770	STN771	STN772	STN773	STN774	STN775	STN776	STN777	STN778	STN779	STN780	STN781	STN782	STN783	STN784	STN785	STN786	STN787	STN788	STN789	STN790	STN791	STN792	STN793	STN794	STN795	STN796	STN797	STN798	STN799	STN800	STN801	STN802	STN803	STN804	STN805	STN806	STN807	STN808	STN809	STN810	STN811	STN812	STN813	STN814	STN815	STN816	STN817	STN818	STN819	STN820	STN821	STN822	STN823	STN824	STN825	STN826	STN827	STN828	STN829	STN830	STN831	STN832	STN833	STN834	STN835	STN836	STN837	STN838	STN839	STN840	STN841	STN842	STN843	STN844	STN845	STN846	STN847	STN848	STN849	STN850	STN851	STN852	STN853	STN854	STN855	STN856	STN857	STN858	STN859	STN860	STN861	STN862	STN863	STN864	STN865	STN866	STN867	STN868	STN869	STN870	STN871	STN872	STN873	STN874	STN875	STN876	STN877	STN878	STN879	STN880	STN881	STN882	STN883	STN884	STN885	STN886	STN887	STN888	STN889	STN890	STN891	STN892	STN893	STN894	STN895	STN896	STN897	STN898	STN899	STN900	STN901	STN902	STN903	STN904	STN905	STN906	STN907	STN908	STN909	STN910	STN911	STN912	STN913	STN914	STN915	STN916	STN917	STN918	STN919	STN920	STN921	STN922	STN923	STN924	STN925	STN926	STN927	STN928	STN929	STN930	STN931	STN932	STN933	STN934	STN935	STN936	STN937	STN938	STN939	STN940	STN941	STN942	STN943	STN944	STN945	STN946	STN947	STN948	STN949	STN950	STN951	STN952	STN953	STN954	STN955	STN956	STN957	STN958	STN959	STN960	STN961	STN962	STN963	STN964	STN965	STN966	STN967	STN968	STN969	STN970	STN971	STN972	STN973	STN974	STN975	STN976	STN977	STN978	STN979	STN980	STN981	STN982	STN983	STN984	STN985	STN986	STN987	STN988	STN989	STN990	STN991	STN992	STN993	STN994	STN995	STN996	STN997	STN998	STN999	STN1000
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APPENDIX B – Ourimbah Campus Survey Control Plan



APPENDIX C – Survey and Code List Mapping

CODE LIST FOR UoN 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	DASHEDX2
BDBA	BD BALCONY	BALCONY	3	CONTINUOUS
BDBDC	BD BUILDING CORNER	BUILDING CORNER	3	CONTINUOUS
BDBDH	BD DOOR HEAD	DOOR HEAD	7	CONTINUOUS
BDBDL	BD BUILDING LINE	BUILDING LINE	3	CONTINUOUS
BDBDO	BD DOOR	DOOR	7	CONTINUOUS
BDBLD	BD BUILDING	BUILDING	3	CONTINUOUS
BDBOT	BD BUILDING OVERHEAD	BUILDING OVERHEAD	1	CONTINUOUS
BDBSH	BD BUS SHELTER	BUS SHELTER	2	CONTINUOUS
BDBWH	BD WINDOW HEAD	WINDOW HEAD	7	CONTINUOUS
BDBWS	BD WINDOW SILL	WINDOW SILL	7	CONTINUOUS
BDCLINE	BD CLOTHES LINE	CLOTHES LINE	11	CONTINUOUS
BDCOL	BD COLUMN	COLUMN	3	CONTINUOUS
BDCOLC	BD COLUMN CENTRE	COLUMN CENTRE	3	CONTINUOUS
BDCP	BD CARPORT	CARPORT	3	DASHED
BDDOP	BD DOWNPIPE	DOWNPIPE	7	CONTINUOUS
BDDU	BD DUCT	DUCT	3	CONTINUOUS
BDFA	BD FASCIA EAVE	FASCIA / EAVE	7	CONTINUOUS
BDFL	BD FLOOR LEVEL	FLOOR LEVEL	20	CONTINUOUS
BDHW	BD HOT WATER SYSTEM	HOT WATER SYSTEM	3	CONTINUOUS
BDBW	BD INTERNAL WALL	INTERNAL WALL	7	CONTINUOUS
BDIW	BD INTERSECTION OF WALLS	INTERSECTION OF WALLS	7	CONTINUOUS
BDLA	BD LANDING	LANDING	7	CONTINUOUS
BDLD	BD LOADING DOCK	LOADING DOCK	7	CONTINUOUS
BDMB	BD MAIL BOX	MAIL BOX	2	CONTINUOUS
BDMISC	BD MISCELLANEOUS	BD MISCELLANEOUS STRING	7	CONTINUOUS
BDMISCP	BD MISCELLANEOUS	BD MISCELLANEOUS POINT	7	CONTINUOUS
BDOPASS	BD OVERPASS	OVERPASS	3	CONTINUOUS
BDPA	BD PARTITION WALL	PARTITION WALL	7	CONTINUOUS
BDPAR	BD PARAPET	PARAPET	7	HIDDEN2
BDPATIO	BD PATIO	PATIO	3	CONTINUOUS
BDPGL	BD PERGOLA	PERGOLA	2	CONTINUOUS
BDRG	BD ROOF GUTTERING	ROOF GUTTERING	7	CONTINUOUS
BDRR	BD ROOF RIDGE LINE	ROOF RIDGE LINE	7	DASHED
BDSHC	BD SHED CORNER	SHED CORNER	7	CONTINUOUS
BDSHL	BD SHED LINE OF WALL	SHED LINE OF WALL	7	DASHED
BDVER	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	CONTINUOUS
CMCT	CM CABLE TRAY	CABLE TRAY	210	— T —
CMINT	CM INTERCOM	INTERCOM	210	CONTINUOUS
CMMISC	CM MISCELLANEOUS	CM MISCELLANEOUS STRING	210	CONTINUOUS
CMMISCP	CM MISCELLANEOUS	CM MISCELLANEOUS POINT	210	CONTINUOUS
CMNODE	CM NBN NODE	NBN NODE	210	OF —
CMOF	CM OPTIC FIBRE	OPTIC FIBRE	210	CONTINUOUS
CMPIT	CM COMMS PIT OUTLINE	COMMUNICATIONS PIT OUTLINE	210	CONTINUOUS
CMPITC	CM COMMS PIT CENTRE	COMMUNICATIONS PIT <1m	210	CONTINUOUS
CMSC	CM SECURITY CAMERA	SECURITY CAMERA	210	— SIG —
CMSIG	CM SIGNAL CABLE	SIGNAL CABLE	210	CONTINUOUS
CMTPL	CM TELSTRA PILLAR	TELSTRA PILLAR	210	CONTINUOUS
CMTPT	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	— < —
DRDDC	DR DISH DRAIN CENTRE	DISH DRAIN CENTRE	140	— < —
DRDDE	DR DISH DRAIN EDGE	DISH DRAIN EDGE	140	CONTINUOUS
DRDFS	DR DRAIN WATER FILTER SUMP	DRAIN WATER FILTER SUMP	140	CONTINUOUS
DRDPM	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
DRKIP	DR KERB INLET PIT	KERB INLET PIT	140	CONTINUOUS
DRMISC	DR MISCELLANEOUS	DR MISCELLANEOUS STRING	140	CONTINUOUS
DRMISCP	DR MISCELLANEOUS	DR MISCELLANEOUS POINT	140	CONTINUOUS
DROL	DR OBVERT LEVEL	OBVERT LEVEL	140	CONTINUOUS
DRPIPE	DR DRAINAGE PIPE	DRAINAGE PIPE	140	— D —
DRPIT	DR DRAINAGE PIT OUTLINE	DRAINAGE PIT OUTLINE	140	CONTINUOUS
DRPITC	DR DRAINAGE PIT CENTRE	DRAINAGE PIT <1m	140	CONTINUOUS
DRSS	DR SUB SOIL DRAIN	SUB SOIL DRAIN	140	CONTINUOUS
DRSWM	DR STORMWATER MANHOLE	STORMWATER MANHOLE	140	CONTINUOUS
DRWH	DR WEEP HOLE FACE OF KERB	WEEP HOLE IN FACE OF KERB	140	CONTINUOUS

CODE LIST FOR UoN SCLv01				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD 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 STRIN	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
ELEPIL	EL ELECTRICAL PILLAR	ELECTRICAL PILLAR	30	CONTINUOUS
ELEPM	EL ELECTRICAL PAINT MARK	ELECTRICAL PAINT MARK	30	CONTINUOUS
ELER	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
ELEX	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
ELMISC	EL MISCELLANEOUS	EL MISCELLANEOUS STRING	30	CONTINUOUS
ELMISCP	EL MISCELLANEOUS	EL MISCELLANEOUS POINT	30	CONTINUOUS
ELPIT	EL ELECTRICAL PIT OUTLINE	ELECTRICAL PIT OUTLINE	30	CONTINUOUS
ELPITC	EL ELECTRICAL PIT CENTRE	ELECTRICAL PIT CENTRE <1m	30	CONTINUOUS
ELPLINE	EL POWER LINE	POWER LINE	30	— OHE —
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 with 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
GAMISC	GA MISCELLANEOUS	GA MISCELLANEOUS STRING	56	CONTINUOUS
GAMISCP	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				
GTBH	GT BOREHOLE	BOREHOLE	7	CONTINUOUS
GTCP	GT CONE PENETROMETER	CONE PENETROMETER	7	CONTINUOUS
GTGPR	GT GROUND PENETRATING RADAR	GROUND PENETRATING RADAR	7	CONTINUOUS
GTMISC	GT MISCELLANEOUS	GT MISCELLANEOUS STRING	7	CONTINUOUS
GTMISCP	GT MISCELLANEOUS	GT MISCELLANEOUS POINT	7	CONTINUOUS
GTMW	GT MONITORING WELL	MONITORING WELL	7	CONTINUOUS
GTPIT	GT TEST PIT	TEST PIT	7	CONTINUOUS
LINEMARKINGS				
LMALT	LM ARROW LEFT TURN	Arrow Left Turn	151	RMS
LMART	LM ARROW RIGHT TURN	Arrow Right Turn	151	RMS
LMASA	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 PEDEST CROSSING APPROACH	Pedestrian Crossing Approach Zig Zag	151	RMS
LMCC	LM CONTINUITY 1X3	Continuity 1x3	151	RMS
LMCD	LM UNBROKEN	Unbroken	151	RMS
LMCGT	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
LMCX	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
LMDIS	LM DISABLED MARKING	DISABLED MARKING SYMBOL	151	CONTINUOUS
LMLL	LM LANE 3x9	Lane 3x9	151	RMS
LMMISC	LM MISCELLANEOUS	LM MISCELLANEOUS STRING	151	CONTINUOUS
LMMISCP	LM MISCELLANEOUS	LM MISCELLANEOUS POINT	151	CONTINUOUS
LMS1	LM SPEED ZONE 100KMH	Speed Zone 100kmh	151	RMS
LMS2	LM SPEED ZONE 110KMH	Speed Zone 110kmh	151	RMS
LMS4	LM SPEED ZONE 40KMH	Speed Zone 40kmh	151	RMS
LMS5	LM SPEED ZONE 50KMH	Speed Zone 50kmh	151	RMS
LMS6	LM SPEED ZONE 60KMH	Speed Zone 60kmh	151	RMS
LMS7	LM SPEED ZONE 70KMH	Speed Zone 70kmh	151	RMS
LMS8	LM SPEED ZONE 80KMH	Speed Zone 80kmh	151	RMS
LMS9	LM SPEED ZONE 90KMH	Speed Zone 90kmh	151	RMS
LMSB	LM SEPARATION BARRIER	Separation and Barrier	151	RMS
LMSL	LM STOP SIGN LINE MARKING	STOP SIGN LINE MARKING	151	CONTINUOUS

CODE LIST FOR UoN SCLv01				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD COLOUR	LINE TYPE
ROADS				
RDBG	RD BOOM GATE	BOOM GATE	7	CONTINUOUS
RDBIT	RD BITUMEN	BITUMEN STRING	2	CONTINUOUS
RDBKB	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
RDDWY	RD DRIVEWAY	DRIVEWAY	2	HIDDEN2
RDEB	RD EDGE OF BITUMEN	EDGE OF BITUMEN	7	HIDDEN
RDEG	RD EDGE OF GRAVEL	EDGE OF GRAVEL	7	DASHEDX2
RDET	RD EDGE OF TRACK	EDGE OF TRACK	7	DASHED
RDGPO	RD GUIDE POST	GUIDE POST	7	CONTINUOUS
RDGR	RD GUARD RAIL	GUARD RAIL	3	CONTINUOUS
RDGUT	RD KERB GUTTER	KERB GUTTER (FLOW)	7	CONTINUOUS
RDGVL	RD GRAVEL SPOT HEIGHT	GRAVEL SPOT HEIGHT	7	CONTINUOUS
RDLP	RD GUTTER LIP	GUTTER LIP	7	CONTINUOUS
RDMIR	RD MIRROR	MIRROR	3	CONTINUOUS
RDMISC	RD MISCELLANEOUS	RD MISCELLANEOUS STRING	7	CONTINUOUS
RDMLSCP	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
RDPRY	RD PRAMWAY	PRAMWAY	7	CONTINUOUS
RDPMT	RD PARKING TICKET MACHINE	PARKING TICKET MACHINE STRING	7	CONTINUOUS
RDPTMP	RD PARKING TICKET MACHINE	PARKING TICKET MACHINE POINT	2	CONTINUOUS
RDPVR	RD PAVED SURFACE	PAVED SURFACE	2	CONTINUOUS
RDR	RD ROAD CROWN	ROAD CROWN	2	CONTINUOUS
RDSGN	RD SIGN	SIGN - SINGLE POST	11	CONTINUOUS
RDSIN	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				
SEIL	SE SEWER INVERT LEVEL	SEWER INVERT LEVEL	44	CONTINUOUS
SEIPS	SE INSPECTION POINT	INSPECTION POINT	44	CONTINUOUS
SEMISC	SE MISCELLANEOUS	SE MISCELLANEOUS STRING	44	CONTINUOUS
SEMISCP	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
SEPTC	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 —
SESPT	SE SEPTIC TANK	SEPTIC TANK	44	CONTINUOUS
SESPTO	SE SEPTIC TANK OUTLINE	SEPTIC TANK OUTLINE	44	CONTINUOUS
SESRM	SE SEWER RISING MAIN	SEWER RISING MAIN	44	— RM —
SESUMP	SE SUMP	SUMP	44	CONTINUOUS
SESVT	SE SEWER VENT	SEWER VENT	44	CONTINUOUS
SETPA	SE SEWER TRANSPIRATION AREA	SEWER TRANSPIRATION AREA	44	CONTINUOUS

CODE LIST FOR UoN SCLv01				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD COLOUR	LINE TYPE
STRUCTURE				
STBBQ	ST BBQ	BBQ	2	CONTINUOUS
STBGB	ST BRIDGE GIRDER BOTTOM	BRIDGE GIRDER BOTTOM	3	CONTINUOUS
STBGT	ST BRIDGE GIRDER TOP	BRIDGE GIRDER TOP	3	CONTINUOUS
STBIK	ST BIKE RACK	BIKE RACK	3	CONTINUOUS
STBIN	ST BIN	BIN STRING	2	CONTINUOUS
STBINP	ST BIN	BIN POINT	3	CONTINUOUS
STBOL	ST BOLLARD	BOLLARD	3	CONTINUOUS
STBRG	ST BRIDGE	BRIDGE	3	CONTINUOUS
STBR	ST BUTTRESS	BUTTRESS	3	CONTINUOUS
STBWL	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	11	---
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	11	CONTINUOUS
STMISC	ST MISCELLANEOUS	ST MISCELLANEOUS STRING	3	CONTINUOUS
STMISCP	ST MISCELLANEOUS	ST MISCELLANEOUS POINT	3	CONTINUOUS
STPG	ST PLAYGROUND	PLAYGROUND	3	CONTINUOUS
STPOOL	ST SWIMMING POOL	SWIMMING POOL	11	CONTINUOUS
STPTH	ST PATH	PATH	2	HIDDEN
STRMP	ST RAMP	RAMP	2	CONTINUOUS
STRWB	ST RETAINING WALL BRICK	RETAINING WALL - BRICK	3	PHANTOM2
STRWC	ST RETAINING WALL CONCRETE	RETAINING WALL - CONCRETE	3	PHANTOM2
STRWL	ST ROCK WALL	ROCK WALL	3	PHANTOM2
STRWM	ST RETAINING WALL METAL	RETAINING WALL - METAL	3	PHANTOM2
STRWR	ST RETAINING WALL ROCK	RETAINING WALL - ROCK	3	PHANTOM2
STRWT	ST RETAINING WALL TIMBER	RETAINING WALL - TIMBER	3	PHANTOM2
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
STSO	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	231	CONTINUOUS
SVBM	SV SURVEY BENCH MARK	SURVEY BENCH MARK	231	CONTINUOUS
SVBOLT	SV BOLT	BOLT	231	CONTINUOUS
SVBS	SV BACKSIGHT CHECK	BACKSIGHT CHECK	231	CONTINUOUS
SVBT	SV BRASS TRIANGLE	BRASS TRIANGLE	231	CONTINUOUS
SVCAL	SV CALIBRATION PT OF GPS SURVEY	CALIBRATION PT OF GPS SURVEY	231	CONTINUOUS
SVCB	SV CONCRETE BLOCK	CONCRETE BLOCK	231	CONTINUOUS
SVCP	SV CHANGE POINT	CHANGE POINT	231	CONTINUOUS
SVDH	SV DRILL HOLE	DRILL HOLE	231	CONTINUOUS
SVDHW	SV DRILL HOLE WING	DRILL HOLE & WING	231	CONTINUOUS
SVDPY	SV DUMPY	DUMPY	231	CONTINUOUS
SVFP	SV FENCE POST	FENCE POST	231	CONTINUOUS
SVFS	SV FORESIGHT CHECK	FORESIGHT CHECK	231	CONTINUOUS
SVGIN	SV GALVANISED IRON NAIL	GALVANISED IRON NAIL	231	CONTINUOUS
SVGIP	SV GALVANISED IRON PIPE	GALVANISED IRON PIPE	231	CONTINUOUS
SVGPSB	SV GPS BASE STATION SETUP	GPS BASE STATION SETUP	231	CONTINUOUS
SVID	SV INK DOT	INK DOT	231	CONTINUOUS
SVLP	SV LEAD PLUG	LEAD PLUG	231	CONTINUOUS
SVMISCP	SV MISCELLANEOUS	SV MISCELLANEOUS SURVEY MARK	231	CONTINUOUS
SVNAIL	SV CONCRETE NAIL	CONCRETE NAIL	231	CONTINUOUS
SVORI	SV SURVEY ORIGIN	SURVEY ORIGIN	3	CONTINUOUS
SVPEG	SV PEG	PEG	231	CONTINUOUS
SVPILL	SV PILLAR	PILLAR (NON TRIG)	231	CONTINUOUS
SVPIN	SV PIN	PIN	231	CONTINUOUS
SVPLUG	SV ALUMINIUM PLUG	ALUMINIUM PLUG	231	CONTINUOUS
SVPM	SV PERMANENT MARK	PERMANENT MARK	231	CONTINUOUS
SVPMK	SV PUNCH MARK	PUNCH MARK	231	CONTINUOUS
SVPTM	SV SURVEY PAINT MARK	SURVEY PAINT MARK	231	CONTINUOUS
SVQQ	SV QUALITY CHECK	QUALITY CHECK	231	CONTINUOUS
SVRES	SV RESECTION	RESECTION	231	CONTINUOUS
SVRT	SV REFLECTIVE TARGET	REFLECTIVE TARGET	231	CONTINUOUS
SVSCR	SV SCREW	SCREW	231	CONTINUOUS
SVSP	SV SURVEY STAR PICKET	SURVEY STAR PICKET	231	CONTINUOUS
SVSSM	SV STATE SURVEY MARK	STATE SURVEY MARK	231	CONTINUOUS
SVSTN	SV STATION	SURVEY STATION	231	CONTINUOUS
SVTEMP	SV TEMPORARY STATION	TEMPORARY STATION	231	CONTINUOUS
SVTS	SV TRIG STATION	TRIG STATION	231	CONTINUOUS
TOPOGRAPHY				
TOCG	TO CHANGE IN GRADE	TO CHANGE IN GRADE	7	DASHED
TOMISC	TO MISCELLANEOUS	TO MISCELLANEOUS	7	CONTINUOUS
TOMISCP	TO MISCELLANEOUS	TO MISCELLANEOUS	7	CONTINUOUS
TONS	TO NATURAL SURFACE	NATURAL SURFACE	7	CONTINUOUS
TOSH	TO SPOT HEIGHT	SPOT HEIGHT	7	CONTINUOUS
TOTO	TO TOE	TOE OF BANK	7	--- TOE ---
TOTP	TO TOP	TOP OF BANK	7	--- TOP ---
TOWC	TO WATER COURSE	WATER COURSE	150	--- > ---
TOWL	TO WATER LEVEL	WATER LEVEL	150	CONTINUOUS
TOWLP	TO WATER LEVEL	WATER LEVEL	7	CONTINUOUS

CODE LIST FOR UoN SCLv01				
12D Attributes			12D Attributes	
CODE	LAYER (12D MODEL)	DESCRIPTION	ACAD COLOUR	LINE TYPE
UNKNOWN				
UNMH	UN MAN HOLE	MAN HOLE	233	CONTINUOUS
UNMISC	UN MISCELLANEOUS	UN MISCELLANEOUS STRING	114	CONTINUOUS
UNMISCP	UN MISCELLANEOUS	UN MISCELLANEOUS POINT	114	CONTINUOUS
UNPILL	UN PILLAR	SERVICE PILLAR	233	CONTINUOUS
UNPIT	UN PIT	PIT	233	CONTINUOUS
UNSAG	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
UNSUG	UN SERVICE UNDER GROUND	SERVICE UNDERGROUND	233	CONTINUOUS
VEGETATION				
VEGDN	VE GARDEN	GARDEN	114	HIDDEN
VEMISC	VE MISCELLANEOUS	VE MISCELLANEOUS STRING	114	CONTINUOUS
VEMISCP	VE MISCELLANEOUS	VE MISCELLANEOUS POINT	114	CONTINUOUS
VESRB	VE SHRUB	SCRUB	114	CONTINUOUS
VESRZ	VE STRUCTURAL ROOT ZONE	STRUCTURAL ROOT ZONE	173	CONTINUOUS
VETPZ	VE TREE PROTECTION ZONE	TREE PROTECTION ZONE	221	CONTINUOUS
VETR	VE TREE	TREE	114	CONTINUOUS
VETRL	VE TREE LINE	TREE LINE	114	
WATER SERVICES				
WABWP	WA BORE WATER PUMP	BORE WATER PUMP	114	CONTINUOUS
WAMISC	WA MISCELLANEOUS	WA MISCELLANEOUS STRING	160	CONTINUOUS
WAMISCP	WA MISCELLANEOUS	WA MISCELLANEOUS POINT	160	CONTINUOUS
WAMW	WA MONITORING WELL	MONITORING WELL	160	CONTINUOUS
WAPIPE	WA WATER PIPE	WATER PIPE	160	— W —
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	— W —
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
WFMISC	WF MISCELLANEOUS	WF MISCELLANEOUS STRING	163	CONTINUOUS
WFMISCP	WF MISCELLANEOUS	WF MISCELLANEOUS POINT	163	CONTINUOUS
WFRM	WF FIRE RING MAIN	FIRE RING MAIN	163	CONTINUOUS
WFSPM	WF FIRE SERVICE PAINT MARK	FIRE SERVICE PAINT MARK	163	CONTINUOUS
IRRIGATION				
WICB	WI IRRIGATION CONTROL BOX	IRRIGATION CONTROL BOX	160	CONTINUOUS
WIPIPE	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: BDDBA

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: BDL

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, DBYD			
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, DBYD							
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, DBYD			
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 <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, DBYD				
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, DBYD			
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: DRDL

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, 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, DBYD			

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, DBYD			
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, CICL, NY, NB, P, PE, PVC, ST,			

6	Material:	Normal	Text	Choice List	VI, 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: 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, CICL, NY, NB, P, PE, PVC, ST, VI, 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: 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 Pentrometer	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: GTPIT

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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	Linework	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	Linework	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	Linework	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	Linework	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	Linework	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: LMCCT

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	LM Giveway 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 40kmh	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 50kmh	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 60kmh	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 70kmh	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 80kmh	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 90kmh	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 T

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	Mirror	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: RDPRY

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	Pramway	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: SEPIP

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 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, 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: 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 Girder 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 Girder 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: STBRS

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

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	Ink 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: SVPIII

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, GLP, 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	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: 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	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: 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	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: 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	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: 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	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								
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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, 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	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: 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, 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	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 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, CI, CICL, CONC, COPPER, DI, DICL, EW, GI, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, 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: 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, CICL, CONC, COPPER, DI, DICL, EW, GI, HDPE, IPE, MSCl, PP, PVC, RC, S, SCL, SS, VC, WI, 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: 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, CI, CICL, CONC, COPPER, DI, DICL, EW, GI, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, 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: 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 Att, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, CICL, CONC, COPPER, DI, DICL, EW, GI, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, 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

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

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 Att, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, CICL, CONC, COPPER, DI, DICL, EW, GI, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, 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: 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 Att, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, CICL, CONC, COPPER, DI, DICL, EW, GI, HDPE, IPE, MSCL, PP, PVC, RC, S, SCL, SS, VC, WI, 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 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	WI Miscellaneous String	Point		Start Line		0.25	——	——			By Code	0

Code: WIMISC

Class	Code Description	Type	Quick Code	Linework	Line Colour	Line Width	Line Style	Shading Colour	Block	Layer	Style Option	Attributes
Advanced	WI 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 Att, Not Known			
6	Material:	Normal	Text	Choice List	AC, CI, CICL, CONC, COPPER, DI, DICL, EW, GI, HDPE, IPE, MSCS, PP, PVC, RC, S, SCL, SS, VC, WI, 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: 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				