



The Peel
Group
Working



DEVELOPMENT DIGITAL SUBMISSIONS REQUIREMENTS MANUAL

PLAN SUBMISSION GUIDELINES

NOTES TO PAY ATTENTION TO - IMPORTANT

LAWS OF PROCESS - VERY IMPORTANT

NOTES TO REMEMBER...

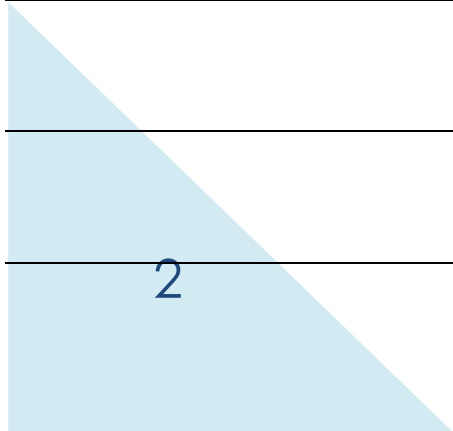


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PROLOGUE

The Region of Peel, City of Brampton, Town of Caledon and City of Mississauga (heretofore referred to as The Peel Group) have come together to produce the Development Digital Submission Requirements Manual.

Addressing the concerns and requests from the Development consultant community, The Peel Group was formed and met to discuss the development of a standard digital submission requirement package which would combine and outline the needs of the group entities and be accepted by all factions.

This manual will provide a guide to **Development drawing submissions, specifically tailored to the digital submission requirements**. Following these guidelines will provide a consistent digital drawing package which is recognizable to, and accepted by, all within The Peel Group.

This manual is to be read in conjunction with...

1. The Region of Peel Governing Manuals
 - o Public Works Subdivision Design, Specifications & Procedures Manual (Linear infrastructure)
2. The City of Brampton Governing Manuals
 - o Public Works, Capital Works Department Appendix A.
 - o Capital Works, Engineering Design Procedures Manual
 - o Capital Works, Surveys Manual
 - o Engineering & Development Svcs., Construction Manual for Subdivision Development
 - o Engineering & Development Svcs., Builders Information Manual
3. The Town of Caledon Governing Manuals
4. The City of Mississauga Governing Manuals

Development submissions to The Peel Group parties must follow specified protocol as outlined in this manual. A checklist of required items, which will be reviewed in each submission, is included in the manual. For the remainder of this manual, read 'levels' as 'levels or layers' dependant on the CAD platform submitted.

Should a submission require changes to some of the drawings, the package, including the CD with **ALL DRAWINGS**, modified or not, is to be submitted

None in The Peel Group entertain the notion of gathering information from various submissions provided because the information "hasn't changed" and is therefore not provided with the current submission...ALL submissions must be a complete package...

Any changes occurring in this document will necessitate an updated manual to be printed for each employee. This will create consistent & accurate output for all concerned.

1. DIGITAL SUBMISSION GUIDELINES FOR DEVELOPMENT CONSULTANTS

PREAMBLE

Digital information required by Peel Group members is to be provided via a singular base plan prepared in full compliance to the standards outlined herein, with the remainder of the engineering drawing set provided 'as is' and in PDF format.

This approach will satisfy the needs of Peel Group GIS staff, who can rapidly integrate engineering infrastructure spatial data for internal use (including inventory, reference maps, geolocation of services, etc.), as well as Peel Group operations staff, who can easily view engineering drawing sets in the field on mobile devices or reproduce hard-copies as needed. In addition, the inclusion of original source drawings in the consultant's original format will provide flexibility for any potential future use cases at the discretion of Peel Group members.

To accomplish these objectives, development consultants are required to prepare specific deliverables, as outlined in the following sections.

DIGITAL DELIVERABLES AT SUBDIVISION APPROVAL

One (1) CD containing the following three (3) directories:

BASE PLAN

one (1) general servicing base plan
which includes all linework, servicing text, infrastructure identification & labels

PDF FILES

PDF file for each of the drawings in development submission
these files are to be scanned from stamped & signed originals

SOURCE FILES

all dwg/dgn files for the development being submitted
all xrefs and referenced drawing files
all referenced raster files (JPG, PNG, TIF, BMP...)

There shall be NO ZIP files or sub-folders on this CD.

BASE PLAN

The general servicing base plan is to include all works constructed as part of the submitted project. Existing works and/or any prior/future phases of the same overall development are to be isolated in separate base plan(s) or levels/layers, as needed. As constructed works to be as per The Peel Group levels, levels/layers for information outside the bounds of the submitted area may include a phase number or 'future' designation.

The base plan will contain all relevant design elements in 2D, georeferenced to UTM Zone 17, NAD 83 coordinates and saved in either Autocad or Microstation format, at the consultant's discretion.

BASE PLAN PREPARATION:

- Basic requirements for as construction...only currently existing information is to be shown. If it was removed in the field, it is not to be shown on the plan.
- Drawings are to be georeferenced to UTM Zone 17, NAD 83. Confirm location with the City of Brampton provided Truebram file.
- All servicing information is to be included on the base plan... element labels including type, size, slope, length etc..
- Drawing levels/layers are to be converted to the Peel Group standard level/layer symbology. The list of standard levels/layers is included within this document. The information is also provided digitally within a CSV file and the DGN & DWG seed files provided by The Peel Group.
- All drawing elements are to be set to ByLevel. Colour **numbers** must be adhered to.
- Xrefs and other reference files are not permitted in the base plan. The Servicing Base Plan is to contain all the required information with no references/xrefs.

PDF FILES

The entire submission set of engineering drawings is to be plotted, to scale, in PDF format, providing the equivalent of a "digital mylar". Peel Group members can then readily view the engineering drawings via computer, mobile devices, etc. while maintaining the ability to easily reproduce hard-copies if needed.

Assigned drawing numbers to be used in naming PDFs. For Region of Peel drawings being provided to the City of Brampton, maintain Region's numbers (inside and out) and add the City's assigned number on the drawing below the border. (See Sample Forms & Drawings for an example)

To acquire drawing numbers from the City of Brampton, a half size hard copy set is to be provided prior to full submission. The drawing numbers will be assigned and noted on each sheet, then returned to allow numbers to be added for the final submission.

SOURCE FILES

Source files for all engineering drawings, within the submission set, are to be provided, in this folder, on an "as is" basis, regardless of software platform, symbology & levels/layers.

This folder shall include all of the development dwg/dgn files AND all xrefs and referenced raster/drawing files.

A signed stamp is not required for the CAD drawings, if the drawing files have a 'stamp' xref, a blank stamp xref can be provided in place of the original. Conversely, the stamp xref may be removed from each file so that the xref does not appear as 'not found'. Either is acceptable.

ADDITIONAL DELIVERABLES FOR AS-CONSTRUCTED WORKS:

FOR AS-CONSTRUCTED SUBMISSIONS, THESE **ADDITIONAL** ITEMS ARE REQUIRED:

- **SWM ponds** – separate bathymetric survey to be provided upon completion of construction. The survey must adhere to the base plan standard (i.e. layer structure, UTM coordinates) and contain 3D points and contour data. Levels have been created for this information...GIS_POND & GIS_TX_POND
- **Watermains** – watermain infrastructure larger than 300 mm to be either drafted in 3D or provided in table form with coordinates and elevations.
- **Standard 'redline' revisions** to 2D design plan and profile drawings as outlined in subsequent sections.

2. DRAFTING REQUIREMENTS FOR “AS-CONSTRUCTED” DRAWINGS

BASIC DRAFTING GUIDELINES...

DIMENSIONING FOR STORAGE/TAPER LENGTHS, LANE WIDTHS ETC...

- ✓ TEXT STYLE = “EX-250” OR “EX-500”
- ✓ LEVELS will be GIS_DIMENSIONS and GIS_TX_DIMENSIONS

LABELLING FOR STORM WILL INCLUDE A DESCRIPTION OF THE PIPE...

- ✓ “675mm STORM SEWER” with a direction of flow arrow for plan portion.
- ✓ “52.6m - 675mm CONC STORM @ 0.5% CL 50-D” for profile portion

ROAD NAMES

- ✓ TEXT STYLE = “STREET-250” OR “STREET-500”
- ✓ LEVELS for linework and text are identified under GENERAL PROPERTY LEVELS in the list of levels and symbology in this manual, see APPENDICES for - Standard AutoCad/Microstation Layer/Level Setup & Symbology

ADJUST ALL LABELS AROUND PROPERTY LINES FOR LEGIBILITY.

Text Styles have been created and can be imported into your drawing, if they are not already there. These styles include...


EX-200	exist info for X sections
EX-250	existing info
EX-500	existing info
PR-200	prop info for X sections
PR-250	proposed info
PR-250-BOLD	proposed info for profile
PR-500	proposed info
PR-500-BOLD	proposed info for profile
STREET-250	Street name
STREET-500	Street name

**The number (200/250/500) represents the scale of drawing the text will be plotted

on.

TO ACCESS STANDARD TEXT STYLES

Select Place Text

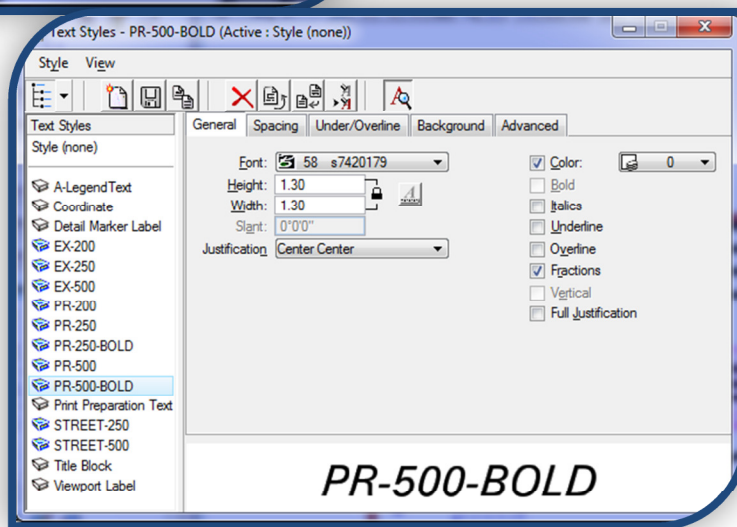
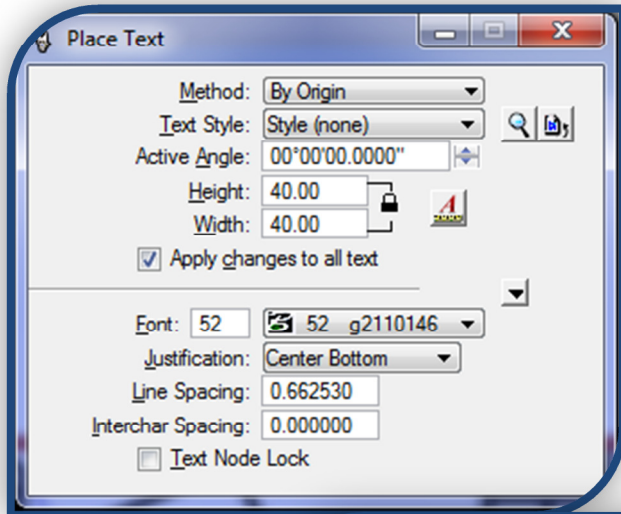
Then the  next to the Text Style selection

>> Style > Import

Select the file **SEED-3DUTM.DGN**

OPEN

You should now have all the styles listed above in your text styles list. Save your settings and the next time you need to change from existing to proposed or plan to profile or x-section you can select the text style by using the drop down list beside **text style** under 'place text'



The list of engineering cells, is included in this manual as well as in the Contract Design Procedures Manual, for Capital Projects
see this manual's APPENDIX 1

A list of levels including symbology, patterning & cells, is included in this manual as well as in the Contract Design Procedures Manual, for Capital Projects
see this manual's APPENDICES 3 & 4

GENERAL AS-CONSTRUCTED REQUIREMENTS

- The note “As Constructed”, including date and file number, shall be placed on all drawings.
- A signed engineer's stamp to be on all as constructed drawings. (BLUE Ink)
- All plan and profiles should have at least one benchmark as a reference for elevations.
- Provide one set of redlined plans indicating changes made during construction.
- All as constructed drawings must be submitted in digital format and must comply with the latest version of any, and all, applicable manuals and/or guidelines.
- Drawings to be provided in “.pdf”, scanned from completed/signed drawings
- Drawings to be provided in, or in a format compatible with, Microstation V8/V8i (AutoCad Version 2015 for Town of Caledon)
- Level system to follow the Peel Group seed files which can be found on the City of Brampton Website
- Drawing elements to be georeferenced in the *general servicing base plan*.
- Elements to be deleted from the drawings, during the “as constructed” process, shall include any items which have been removed in the field i.e. pre-construction edge of pavement, shoulders, curb lines, MHs, trees...
- All proposed shading is to be deleted with the exception of engineered fill, rip rap, driveways and gabion baskets.
- Submission shall include a complete drawing set with references intact including strip/base plans and profiles. (georeferencing required for *general servicing base plan*)

Levels are to follow the Level Setup and Symbology, as outlined in APPENICES 3 & 4. Anything that is not surveyed or proposed can be placed on the appropriate GIS level with the exception of underground utilities which will be on the UGS levels (above ground utilities such as bell pedestals shall be on the GIS levels), and ROW levels for property fabric. The most commonly used levels for “as constructed” submissions have been highlighted

PLAN VIEW-ENGINEERING DRAWINGS CHECKLIST

- All construction notes are to be removed.
- Identifying notes are to have "PROP" or "PROPOSED" removed from the text.
- Any elements that have been modified or added during construction are to be identified with a note outlining the change. i.e. moved MHs or additional DICBs
- All street names shall be indicated as per registered plans.
- Manhole identifications are to be left on.
- Items to be changed if different than proposed:
 - ✓ Sewer Locations
 - ✓ Curb widths
 - ✓ Sidewalk locations
 - ✓ Manhole locations
 - ✓ Catchbasin locations
 - ✓ Curb radii
- All street lighting infrastructure and pole/fixture details are to be shown on a separate plan.
- Lot grading elevations are to be as constructed and proposed elevations are to be removed.
- All sewer connections must be shown.

PROFILE VIEW-ENGINEERING DRAWINGS CHECKLIST

- All as constructed sewer invert elevations are to be shown. If difference is greater than 300mm between the as constructed and the proposed sewer then the sewer shall be redrawn.
- Any manhole location that differs by 1.0m or more from proposed position on the plan is to be re-drawn and shall include a note identifying the change to design location.
- Items to be changed if different than proposed by replacing with constructed information:
 - ✓ Types of manholes
 - ✓ Pipe Information (Size, Slope, Length, Class)
 - ✓ Road grade
 - ✓ Sewer material
 - ✓ Type of bedding
- Manhole identifications are to be left on.
- Sanitary sewer and watermain information should have Regional approval prior to City acceptance.
- Remove obsolete road profile, culverts and ditches.
- Sample Engineering drawings have been provided for reference

TRAFFIC DRAWINGS CHECKLIST

- All permanent design drawings are to be “As Constructed”
- Temporary design drawings, which have not been replaced by a permanent design drawing, are to be “As Constructed”
- Temporary design drawings, which have been replaced by a permanent design drawing, will remain unchanged but will be reproduced on mylar as part of the “As Constructed” package
- Removals drawings do not need to be “As Constructed” but will be reproduced on mylar as part of the “As Constructed” package
- All drawing plans are to be georeferenced
- All design symbology on the main plan is to be replaced with existing symbology, as shown in the main legend
- All symbology on the schematic wiring diagram is to be dashed for existing infrastructure
- A legend, if one is not present, is to be added to the schematic indicating a dashed line as existing and a solid line as proposed
- No note pertaining to moved items is required, items are to be placed accurately based on any changes indicated on the redline drawings and/or during a field investigation
- Signal pole, mast arm, Handwell, Manhole, street lighting, traffic controller, transformer, power supply and signal head details chart information is to be changed based on any changes indicated on the redline drawings and/or during a field investigation
- Maintain 0.4m offset between duct runs & wiring in schematic diagram
- Provide horizontal and vertical distance from the curb or property line for the conduit path (between Hydro one Brampton transformer and power supply)
- Sample Traffic drawings have been provided for reference

LIGHTING DRAWINGS CHECKLIST

Redline drawings, with the application for inspection, are to be provided for the inspection process prior to drawing modifications. Upon approval, “as constructed” drawings may be completed.

- All construction notes are to be removed.
- Identifying notes are to have “PROP” or “PROPOSED” removed from the text.
- Any elements that have been modified or added during construction are to be identified with a note outlining the change. i.e. Luminaire wattage , bracket length, duct size/location
- All street names shall be indicated as per registered plans.
- Details chart to be updated with any field changes. Replace the designed value with the revised value.
- Final “as constructed” drawings require an engineer's stamp & signature (BLUE Ink) verifying accuracy of drawing information.
- Sample Lighting drawings have been provided for reference

3. CADD REVIEW OF “AS CONSTRUCTED” DEVELOPMENT DRAWINGS

This is a checklist of what is examined for final submissions

CADD REQUIREMENT IMPLEMENTED FOR...

Georeferencing ...on projects starting Construction after 2000

Level Structure (named levels) ...on projects starting Construction after 2010

REVIEW THE FOLLOWING...

- ✓ Check format (CAD drawings in a format compatible with Microstation or AutoCad as noted) and that a Georeferenced *general servicing base plan* has been included.
- ✓ Check for level compliance in accordance with the Layer/Level Setup and Symbology (Page 15)
- ✓ Check to ensure that the contract drawings reference the strip plans & strip profile and are not merged. Base plate may, or may not, be referenced to contract drawings.
- ✓ Check to confirm that all CAD drawings are provided
- ✓ Check drawings for missing reference files
- ✓ Check drawings for unused references, there are to be no files referenced to the contract drawing that are not required for that drawing
- ✓ Check drawings for compliance to Drafting Requirements for 'As Constructed' Drawings in the following pages
- ✓ Check to ensure that a separate plan containing all watermains larger than 300mm diameter has been included in 3D or approved table format, as per Region of Peel requirements
- ✓ Check to ensure that all storm water ponds elements have been included in 3D
- ✓ Paper copies to be provided during the review for Quality Assurance prior to final package delivery (This would be to the Intermediate Engineering Technician for City of Brampton drawings)

FINAL APPROVED SUBMISSION

- ✓ Upon approval of paper copies, mylars are to be printed and Quality Assured by the City.
- ✓ Check to confirm that there are PDF files for all drawings included in the final digital package.
- ✓ Check to confirm that all CAD files previously reviewed have been included in the final digital package.
- ✓ Check to confirm that drawing files are named as per the drawing number.

GENERAL NOTES

Always reference the main files..DO NOT copy information into each new drawing...by referencing the base information, any changes made to the base plan(s) will be reflected in the drawings that reference it (them).

ALL drawings with watermain and/or pond information will be 3D and are to remain 3D

When working in 3D it is helpful to have a dedicated iso view in order to monitor linework to ensure your lines are being placed correctly. Linework which has elevations ranging from the existing surface elevation to zero is not acceptable and can throw off your quantities calculations.

4. FINAL 'AS-CONSTRUCTED' SUBMISSION REQUIREMENTS FOR...

TOWN OF CALEDON

- ◆ CAD compatible with AutoCad version 2015
- ◆ PDF named to match Caledon's drawing number
- ◆ Mylar / Cromaflex sheets

CITY OF BRAMPTON

- ◆ CAD compatible with Microstation v8/v8i
- ◆ Sheet drawings are to be named to match Brampton's drawing number* for both CAD and PDF files
- ◆ *Region of Peel drawings to maintain Region numbering, with the City's assigned number below the border. (see APPENDIX 5)
- ◆ Mylar / Cromaflex sheets (to be approved for quality by Engineering Technician prior to acceptance of package)

CITY OF MISSISSAUGA

- ◆ Mylar / Cromaflex sheets

REGION OF PEEL

- ◆ CAD compatible with Microstation v8/v8i
- ◆ PDF named to match Region of Peel's drawing number

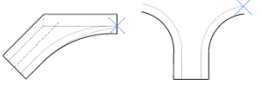





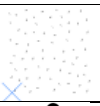






Developments that incorporate Capital projects shall note that any capital information provided must adhere to the Capital requirements of the municipality for the Capital portion of the project.

5. APPENDICES

APPENDIX 1 - STANDARD BLOCKS/CELLS

The cell library, BRAMPTON CELLS V81.CEL shown below, contains both survey cells and engineering cells and can be used as a guide for cell names and symbols. It also includes some cells, created in the ENG levels, based on OPSD for CBs, DCBs and DICBs in all the alternatives




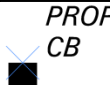












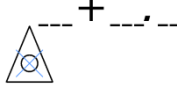

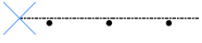
For initial survey cleanup process, survey cells and level symbology, refer to the Survey Section's manual for base plan preparation.

Standard Blocks/Cells			
BLOCK/CELL NAME	USED IN VIEW...	DESCRIPTION	BLOCK/CELL W/ORIGIN
45OUT	PLAN	45 Degree Concrete Outlet	
90OUT	PLAN	90 Degree Concrete Outlet	
AREA	PLAN	Storm Drainage Identifier with area, co-efficient & area #	
CO_HA	PLAN	Storm Drainage Identifier with area & co-efficient	
ARMOUR	PLAN / PROFILE	Pattern for Armour Stone	
ARRODI	PLAN	Arrow for Existing Ditch Line	
ARROSA	PLAN	Arrow for Existing Sanitary Line	
ARROST	PLAN	Arrow for Existing Storm Line	
ARROW	PLAN	Generic Arrow	
ARROWDI	PLAN	Arrow for Proposed Ditch Line	
ARROWSA	PLAN	Arrow for Proposed Sanitary Line	
ARROWST	PLAN	Arrow for Proposed Storm Line	
ASPH	PLAN	Pattern for Driveway Reinstatement	
BIKE	PLAN	Bike Path Paint Symbol	
BORE-HOLE	PLAN	Proposed Borehole - With text	
BRHOLE	PLAN	Proposed Borehole - No Text	
BOREHOLE	PLAN	Surveyed Borehole	
BOULDER	PLAN	Existing Boulder	
BUSH-CON	PLAN	Existing Coniferous Bush	
BUSH-DEC	PLAN	Existing Deciduous Bush	
CBUSH	PLAN	Linear Pattern for group of Coniferous Trees	







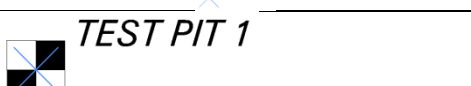


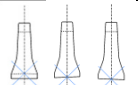




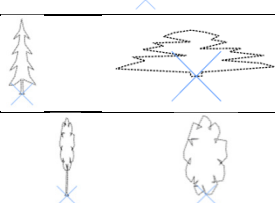
The Peel Group Development Digital Submissions Guidelines – 10JAN17











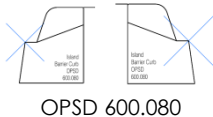
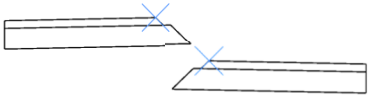
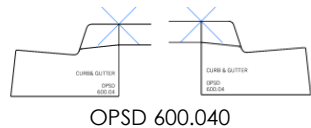


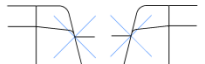
Standard Blocks/Cells

BLOCK/CELL NAME	USED IN VIEW...	DESCRIPTION	BLOCK/CELL W/ORIGIN
CONC_T	PLAN / PROFILE	Area Pattern for Impressed Concrete Killstrip / Median	
CONCRT	PLAN	Area Pattern for Concrete Killstrip / Median	
CONIF	PLAN	Existing Coniferous Tree	
CUTCROSS	PLAN	Survey Cut Cross	
DBUSH	PLAN	Linear Pattern for group of Deciduous Trees	
DECID	PLAN	Existing Deciduous Tree	
END_GAS END_SAN END_STM END_WM	PROFILE	Profile Pipe Ends for Existing Underground Services	
END_P_SANI END_P_STM	PROFILE	Profile Pipe Ends for Proposed Sanitary / Storm Underground Pipes	
GABION	SECTIONS / PROFILE	Area Pattern for Existing Gabion Walls	
GRASS	PLAN	Area Pattern for Proposed Grassed Areas	
GRAVEL	PLAN	Area Pattern for Proposed Rib Rap	
GROUND	PLAN	Point for Spot Elevations	
GUY	PLAN	Hydro Anchor	
GWIRE	PLAN	Hydro Anchor & Guy Wire	
HCM	PLAN	Horizontal Control Monument	
HP_no	PLAN	Hydro Pole with Number	HP # ____
HPT	PROFILE	High Point	
LPT	PROFILE	Low Point	
HYDRANT	PLAN	Existing Water Hydrant	
INTERSECTION	PROFILE	Cross Road Identification for Profile	
LT TURN	PLAN	Left Turn Lane	

Standard Blocks/Cells			
BLOCK/CELL NAME	USED IN VIEW...	DESCRIPTION	BLOCK/CELL W/ORIGIN
THRU	PLAN	Through Lane Marking	
NARROW	PLAN	North Arrow	
NOTE	PLAN	"This Drawing to be Used for Road and Storm Sewer Works Only"	<div style="border: 1px solid black; padding: 5px; display: inline-block;">THIS DRAWING TO BE USED FOR ROAD AND STORM SEWER WORKS ONLY</div> 
P-HYD	PROFILE	Proposed Water Hydrant for Profile	
P_CB	PLAN	Proposed Catchbasin	 <i>PROP CB</i>
P_CB-SIDEINLET	PLAN	Proposed Side Inlet Catchbasin	 <i>PROP CB SIDE INLET</i>
P_CBMH	PLAN	Proposed Catchbasin Maintenance Hole	 <i>PROP CBMH</i>
P_DCB	PLAN	Proposed Double Catchbasin	 <i>PROP DCB</i>
P_DCB-SIDEINLET	PLAN	Proposed Side Inlet Double Catchbasin	 <i>PROP DCB SIDE INLET</i>
P_DICB-ANGLED	PLAN	Proposed Angled Ditch Inlet Catchbasin	 <i>PROP ANGLED DICB</i>
P_DICB-FLAT	PLAN	Proposed Flat Ditch Inlet Catchbasin	 <i>PROP FLAT DICB</i>
P_GUY	PLAN	Proposed Guy Wire	
P_HP	PLAN	Proposed Hydro Pole with Number Data Field	 <i>PROP HP# _____</i>
P_MH	PLAN	Proposed Maintenance Hole	 <i>PROP STM MH</i>
P_PYD_CB	PLAN	Proposed Pyramid Catchbasin	 <i>PROP PYD CB</i>
P_SLOPE	PLAN	Linear Pattern for Proposed Slope Identification	
PI	PROFILE	Point of Intersection	
PI_STA	PROFILE	Point of Intersection with Station Data Field	
POINT	PLAN	Generic Point	
POLE	PLAN	Generic Pole	
RAIL	PLAN	Linear Pattern for Guide Rail	



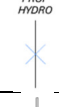

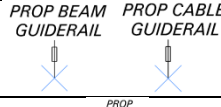

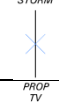


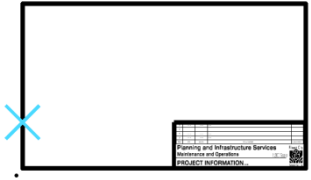
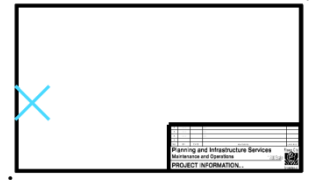
Standard Blocks/Cells

BLOCK/CELL NAME	USED IN VIEW...	DESCRIPTION	BLOCK/CELL W/ORIGIN
REMOVE	PLAN	Removals Drawing Relocation Symbol	
RIP-RAP	PLAN	Area Pattern for Existing Rip Rap	
SLOPE	PLAN	Linear Pattern for Existing Slope Identification	
SOUND	PLAN	Sounding Point	
SPOT	PLAN	Ground Shots with Text Tags	
SPOT-ELEV	PLAN	Ground Shots with Text Tags	
TEST-PIT	PLAN	Proposed Test Pit with Text	
TESTPIT	PLAN	Existing Test Pit with Text	
TICK	PLAN		
X_BAR	SECTIONS	Barrier - No Cross Fall	
X_BARL	SECTIONS	Barrier - Left Cross Fall	
X_BARR	SECTIONS	Barrier - Right Cross Fall	
X_BELL	SECTIONS	Existing Bell Service Location	
X_BLDG	SECTIONS	Existing Building Location	
X_BRDG	SECTIONS	Existing Bridge Location	
X_BUSH	SECTIONS	Existing Edge of Woodlot	
X_CONIF	SECTIONS	Existing Coniferous Tree	
X_CSHRUB	SECTIONS	Existing Coniferous Shrub	
X_DECID	SECTIONS	Existing Deciduous Tree	
X_DSHRUB	SECTIONS	Existing Deciduous Shrub	

Standard Blocks/Cells			
BLOCK/CELL NAME	USED IN VIEW...	DESCRIPTION	BLOCK/CELL W/ORIGIN
X_FENC	SECTIONS	Existing Fence Location	
X_FLOOD	SECTIONS	Regional Conservation Flood Line	
X_GAB	SECTIONS	Existing Gabion Wall	
X_GAS	SECTIONS	Existing Gas Service Location	
X_GRDN	SECTIONS	Existing Garden Location	
X_GUIDERAIL	SECTIONS	Existing Guide Rail Location	
X_HEAD	SECTIONS	Existing Headwall Location	
X_HEDG	SECTIONS	Existing Hedge Location	
X_HP	SECTIONS	Existing Hydro Pole Location	
X_HYDRO	SECTIONS	Existing Hydro Underground Service Location	
X_LBARRIER	SECTIONS	Proposed Island Barrier Curb (Left Side)	
X_RBARRIER	SECTIONS	Proposed Island Barrier Curb (Right Side)	
X_LBBK	SECTIONS	Proposed 1.5m Bike Path (Left Side)	
X_RBBK	SECTIONS	Proposed 1.5m Bike Path (Right Side)	
X_LBC	SECTIONS	Proposed Curb & Gutter (Left Side)	
X_RBC	SECTIONS	Proposed Curb & Gutter (Right Side)	
X_LBKS	SECTIONS	Proposed 1m Killstrip (Left Side)	
X_RBKS	SECTIONS	Proposed 1m Killstrip (Right Side)	
X_LBKS-H	SECTIONS	Proposed 0.5m Killstrip (Left Side)	
X_RBKS-H	SECTIONS	Proposed 0.5m Killstrip (Right Side)	
X_LBRCURB	SECTIONS	Proposed Parking Lot Barrier Curb (Left Side)	

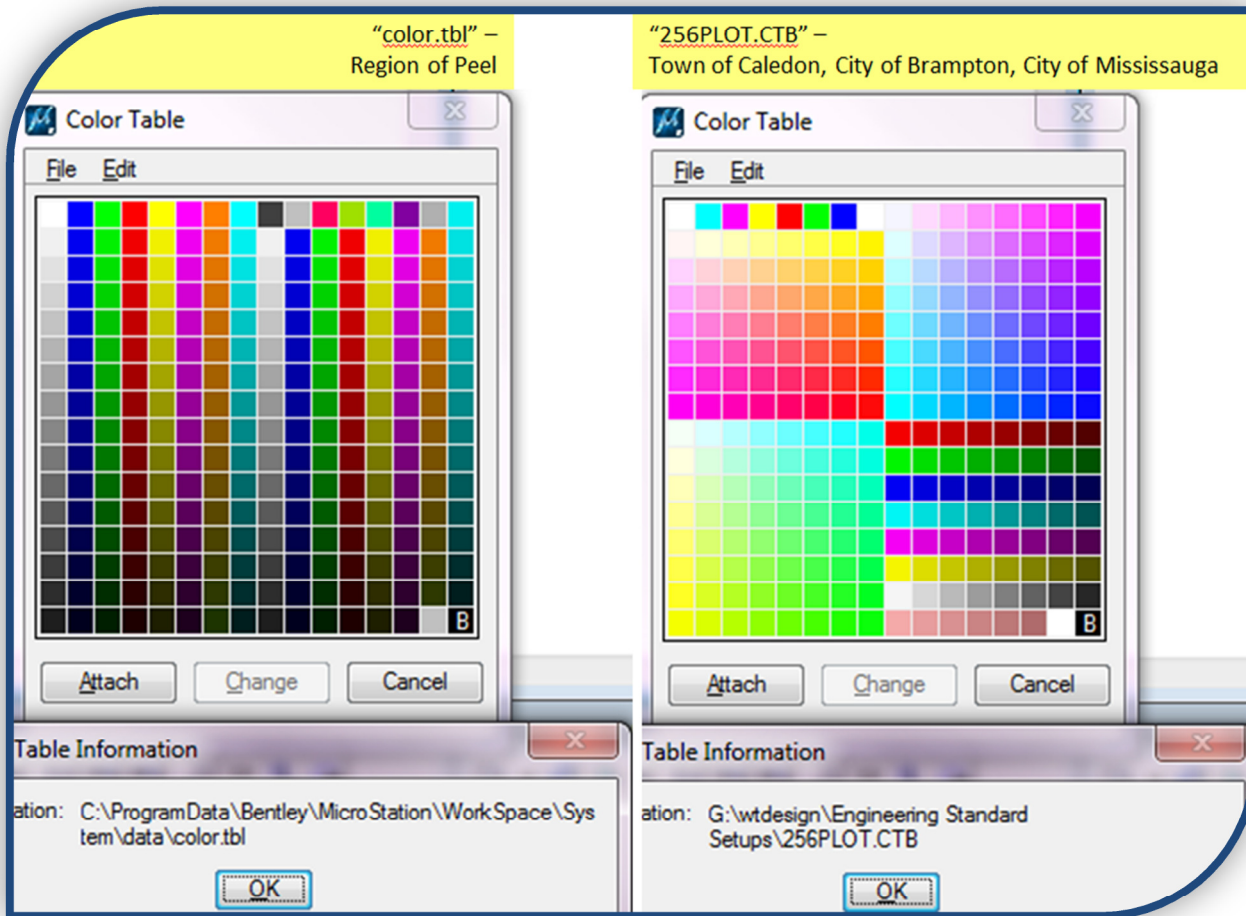
Standard Blocks/Cells

BLOCK/CELL NAME	USED IN VIEW...	DESCRIPTION	BLOCK/CELL W/ORIGIN
X_RBRCURB	SECTIONS	Proposed Parking Lot Barrier Curb (Right Side)	OPSD 600.110
X_LBSW	SECTIONS	Proposed 1.5m Sidewalk (Left Sidewalk)	
X_RBSW	SECTIONS	Proposed 1.5m Sidewalk (Right Sidewalk)	
X_LCURB	SECTIONS	Proposed Bus Bay Curb (Left Side)	
X_RCURB	SECTIONS	Proposed Bus Bay Curb (Right Side)	
X_PROW	SECTIONS	Proposed Property Line Location	
X_ROW	SECTIONS	Existing Property Line Location	
X_RBBK-MU	SECTIONS	Proposed 3.0m Bike Path (Right Side)	
X_RCA	SECTIONS	Proposed Regulation Limits	
X_RET	SECTIONS	Existing Retaining Wall Location	
X_RR	SECTIONS / PROFILE	Existing Rail Road Rail Symbol	
X_SANI	SECTIONS	Existing Sanitary Service Location	
X_SANMH	SECTIONS / PROFILE	Existing Sanitary Maintenance Hole Location	
X_STM	SECTIONS	Existing Storm Service Location	
X_STMMH	SECTIONS / PROFILE	Existing Storm Maintenance Hole Location	
X_STORM	SECTIONS	Proposed Storm Service Location	
X_STR-BOT	SECTIONS	Existing bottom of structure location	
X_STR-TOP	SECTIONS	Existing top of structure location	
X_TBRDG	SECTIONS	Existing Top of Bridge Location	
X_TV	SECTIONS	Existing TV / Rogers Service Location	
X_V	SECTIONS	Proposed 800mm wide V Curb	
X_WC	SECTIONS	Existing Water Chamber Location	
X_WM	SECTIONS	Existing Water Service Location	
XP_BELL	SECTIONS	Proposed Bell Service Location	

Standard Blocks/Cells			
BLOCK/CELL NAME	USED IN VIEW...	DESCRIPTION	BLOCK/CELL W/ORIGIN
XP_FENCE	SECTIONS	Proposed Fence Location	
XP_GAS	SECTIONS	Proposed Gas Service Location	
XP_HYDRO	SECTIONS	Proposed Hydro Service Location	
XP_NOISE	SECTIONS	Proposed Noise Wall	
XP_RAIL-BEAM	SECTIONS	Proposed Beam Guide Rail	
XP_RAIL-CABLE	SECTIONS	Proposed Cable Guide Rail	
XP_SAN	SECTIONS	Proposed Sanitary Service Location	
XP_STM	SECTIONS	Proposed Storm Service Location	
XP_TV	SECTIONS	Proposed TV / Rogers Service Location	
XP_WM	SECTIONS	Proposed Water Service Location	
X-SEC BASE-LTR X-SEC BASE-LGL X-SEC BASE-TAB	SECTIONS	Border setup for cross sections Created in 3 sizes Letter, Legal & Tabloid (11x17) (Insertion point on left border level with titleblock frame)	
X-SEC BASE LTR X-SEC BASE LGL X-SEC BASE TAB	SECTIONS	Border setup for cross sections Created in 3 sizes Letter, Legal & Tabloid (11x17) (Insertion point inset from left border and above titleblock frame)	

APPENDIX 2 – COLOUR TABLES

COLOUR TABLES TO BE USED... These are **colour** tables, not **pen** tables.



Linework that is to be black...AutoCad has no colour 0 (MicroStation black)
Do not use colour 7 (AC black / MS white) to replace it
Colour 239 is to be used in its place, as necessary.

APPENDIX 3 - STANDARD AUTOCAD LAYERS & SYMBOLOGY

The Peel Group Standard AutoCad Layers and Symbology SEED-PeelGroupLayers.dwg				
Name	Description	Plot Style	Line Style	Weight
0		Color_239	Continuous	0
Default	Default	Color_239	Continuous	0
Defpoints		Color_239	Continuous	0
ENGINEERING/DESIGN AND SHEET LAYERS				
GENERAL LAYERS FOR DRAWING SHEETS				
ENG_ALIGNMENT	BASELINE ALIGNMENTcenterline	Color_246	DGN4	3
ENG_APRON	PROPOSED CONC APRON - PLAN, PROFILE & SECTIONS	Color_239	Continuous	3
ENG_ASHCURB-FACE	PROPOSED ASPH CURB FACE - PLAN	Color_239	Continuous	2
ENG_BARRIER	PROPOSED BARRIER - JERSEY, ARMOURSTONE - PLAN	Color_239	Continuous	3
ENG_BELL	PROPOSED BELL APPURTENANCES - PLAN & PROFILE	Color_70	Continuous	0
ENG_BELL-UTIL	PROPOSED BELL U/G LINEWORK - PLAN & SECTIONS	Color_70	BELL	4
ENG_BENCH	PROPOSED BENCH -PARK, BUS - PLAN	Color_239	Continuous	4
ENG_BOLLARD	PROPOSED BOLLARD - PLAN	Color_239	Continuous	0
ENG_BORDER	OUTSIDE BORDER OF SHEETS	Color_239	Continuous	15
ENG_BOREHOLE	BOREHOLE DATA - PLAN & PROFILE	Color_239	Continuous	0
ENG_BOULDER	PROPOSED BOULDER - LARGE DECORATIVE - PLAN	Color_239	Continuous	2
ENG_BOULEVARD	PROPOSED TOP/BOTTOM OF SLOPE ON EDGE OF BOULEVARD	Color_239	DGN1	0
ENG_BUSH-CON	PROPOSED CONIFEROUS BUSH - PLAN	Color_231	Continuous	4
ENG_BUSH-DEC	PROPOSED DECIDUOUS BUSH - PLAN	Color_230	Continuous	4
ENG_BUS-PAD	PROPOSED BUS PAD & WAITING AREA - PLAN	Color_239	Continuous	4
ENG_BUS-SHELTER	PROPOSED BUS SHELTER - PLAN	Color_239	Continuous	4
ENG_CB	PROPOSED CATCHBASIN - PLAN	Color_239	Continuous	0
ENG_CBMH	PROPOSED CATCHBASIN MAINTENANCE HOLE - PLAN	Color_239	Continuous	0
ENG_CB-SIDEINLET	PROPOSED SIDE INLET CATCHBASIN - PLAN	Color_239	Continuous	0
ENG_CC	PROPOSED CUTCROSS - PLAN	Color_239	Continuous	0
ENG_CONTPRO-MAJ	PROPOSED CONTOURS - MAJOR - PLAN	Color_239	Continuous	3
ENG_CONTPRO-MIN	PROPOSED CONTOURS - MINOR - PLAN	Color_3	Continuous	1
ENG_CROWN-RD	PROPOSED CROWN OF ROADWAY - PLAN & PROFILE	Color_239	DGN4	2
ENG_CULVERT	PROPOSED CULVERT - PLAN, PROFILE & SECTIONS	Color_239	DGN2	5
ENG_CURB	PROPOSED PARKING CURBSTOP, CURB CUT - PLAN	Color_239	Continuous	3
ENG_CURB-BACK	PROPOSED BACK of CURB - PLAN	Color_239	Continuous	4
ENG_CURB-FACE	PROPOSED FACE of CURB - PLAN	Color_239	Continuous	0
ENG_CURB-GUT	PROPOSED CURB GUTTER - PLAN	Color_239	Continuous	0
ENG_DCB	PROPOSED CATCHBASIN - DOUBLE - PLAN	Color_239	Continuous	0
ENG_DCB-SIDEINLET	PROPOSED SIDE INLET DOUBLE CATCHBASIN - PLAN	Color_239	Continuous	0
ENG_DETAILS	DETAILS I.E. SANDBAG DAMS, CHECK DAMS, ISLAND DETAILS	Color_239	Continuous	2

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The Peel Group Standard AutoCad Layers and Symbology SEED-PeelGroupLayers.dwg				
ENG_DICB-ANGLED	PROPOSED ANGLED DITCH INLET CATCHBASIN - PLAN	Color_239	Continuous	0
ENG_DICB-FLAT	PROPOSED FLAT DITCH INLET CATCHBASIN - PLAN	Color_239	Continuous	0
ENG_DIMENSIONS	DIMENSIONS TAPERS DETAILS etc	Color_239	Continuous	1
ENG_DITCH	PROPOSED DITCH LINE - PLAN & PROFILE	Color_124	DGN4	3
ENG_DRIVEWAY	PROPOSED DRIVEWAY - PLAN	Color_239	Continuous	2
ENG_EDGE-WATER	PROPOSED EDGE OF WATER - POND, RIVER - PLAN	Color_124	Continuous	3
ENG_EPAVT	PROPOSED EDGE OF PAVEMENT - PLAN	Color_239	Continuous	4
ENG_FDC	PROPOSED STORM - FOUNDATION DRAIN COLLECTOR - PLAN	Color_239	Continuous	0
ENG_FENCE	PROPOSED FENCE - PLAN & SECTIONS	Color_239	CLF	2
ENG_FENCE_SILT	PROPOSED SILT FENCE - PLAN & SECTIONS	Color_239	DGN6	4
ENG_FENCE-GATE	PROPOSED FENCE GATE POST - PLAN	Color_239	Continuous	2
ENG_GABION	PROPOSED GABION BASKET - PLAN & SECTIONS	Color_4	Continuous	2
ENG_GARDEN	PROPOSED GARDEN LINEWORK - PLAN & SECTIONS	Color_146	Continuous	1
ENG_GAS	PROPOSED GAS APPURTENANCES - PLAN & PROFILE	Color_3	Continuous	0
ENG_GAS-UTIL	PROPOSED GAS U/G LINEWORK - PLAN & SECTIONS	Color_3	GAS	4
ENG_GRADING	PROPOSED LIMIT OF GRADING - PLAN	Color_87	GRADING	6
ENG_GRID	INTERIOR SECTIONS GRID & PROFILE GRID	Color_239	DGN1	0
ENG_GRIDBORDER	LEFT/RIGHT/BOTTOM GRID LINES FOR SECTIONS & PROFILE	Color_239	Continuous	3
ENG_GUIDERAIL-BEAM	PROP STEEL BEAM GUIDE RAIL - PLAN & SECTIONS	Color_239	GUARD	4
ENG_GUIDERAIL-CABLE	PROP CABLE GUIDE RAIL - PLAN & SECTIONS	Color_239	GUARD	4
ENG_HEADWALL	PROP HEADWALL - PLAN & SECTIONS	Color_239	Continuous	3
ENG_HYDRO	PROPOSED HYDRO APPURTENANCES - PLAN & PROFILE	Color_157	Continuous	0
ENG_HYDRO-TELE	PROP HYDROONE TELECOM U/G LINEWORK - PLAN & SECTIONS	Color_157	HYDRO-1-T	4
ENG_HYDRO-UTIL	PROP HYDROONE BRAMPTON U/G LINEWORK - PLAN & SECTIONS	Color_157	HYDRO-1-B	4
ENG_HZC	HORIZONTAL CONTROL - PLAN	Color_239	Continuous	1
ENG_ISSUED_30 PERCENT	TEXT FOR 30 PERCENT SUBMISSION	Color_239	Continuous	0
ENG_ISSUED_60 PERCENT	TEXT FOR 60 PERCENT SUBMISSION	Color_239	Continuous	0
ENG_ISSUED_90 PERCENT	TEXT FOR 90 PERCENT SUBMISSION	Color_239	Continuous	0
ENG_ISSUED_100 PERCENT	TEXT FOR 100 PERCENT SUBMISSION	Color_239	Continuous	0
ENG_ISSUED_CONSTRUCTION	TEXT FOR ISSUED FOR CONSTRUCTION	Color_239	Continuous	0
ENG_ISSUED_TENDER	TEXT FOR ISSUED FOR TENDER	Color_239	Continuous	0
ENG_KEY	KEY PLAN	Color_239	Continuous	0
ENG_KILLSTRIP	PROPOSED KILLSTRIP - PLAN	Color_239	Continuous	4
ENG_LANE	PROPOSED LANE MARKINGS - PLAN	Color_239	DGN2	1
ENG_LANEWAY	PROPOSED LANEWAY - PLAN	Color_239	DGN2	1
ENG_LEGEND	LEGEND AND NOTES BORDER, LINEWORK - PLAN	Color_239	Continuous	5
ENG_LIMITS	LIMIT OF CONTRACT LINEWORK	Color_239	Continuous	15
ENG_LOGO	LOGO	Color_239	Continuous	0
ENG_MAIL	PROPOSED MAILBOX - PLAN	Color_239	Continuous	2

The Peel Group Standard AutoCad Layers and Symbology SEED-PeelGroupLayers.dwg				
ENG_MATCH	MATCH LINE	Color_239	DGN5	2
ENG_MULTI-TRAIL	PROPOSED MULTI USE TRAIL, BIKE TRAIL - PLAN	Color_239	Continuous	4
ENG_NOISEWALL	PROPOSED NOISEWALL – ALL MATERIALS	Color_239	CLF	5
ENG_NOTES	MISC NOTES & LABELS THAT DON'T FALL UNDER OTHER LEVELS	Color_239	Continuous	0
ENG_POND	ALL LINEWORK WITHIN THE PERIMETER OF A POND	Color_239	Continuous	3
ENG_PT_GROUND	POINTS	Color_239	Continuous	0
ENG_PYCB	PROPOSED PYRAMID CB	Color_239	Continuous	0
ENG_REMOVALS	REMOVALS X-OUT TREES ETC - PLAN	Color_239	Continuous	0
ENG_REMOVALS-AREA	REMOVALS SHADING - HARD SURFACES, S/W ETC - PLAN	Color_235	Continuous	0
ENG_REMOVALS-LINEAR	REMOVALS - FENCING, CSPs ETC - PLAN	Color_239	REMOVE	0
ENG_REMOVALS-RELOCATE	RELOCATION - ENCIRCLE ABOVE GROUND ELEMENTS - PLAN	Color_239	DGN2	2
ENG_RET-WALL	PROP RETAINING WALL - PLAN & SECTIONS	Color_239	Continuous	3
ENG_REVISIONS	CLOUDING AROUND REVISIONS AFTER ISSUED FOR CONST.	Color_4	Continuous	5
ENG_RIPRAP	PROP RIPRAP - PLAN	Color_4	Continuous	3
ENG_SANI	PROPOSED SANITARY APPURTENANCES - PLAN & PROFILE	Color_239	Continuous	0
ENG_SANI-UTIL	PROPOSED SANITARY SEWER UNDERGROUND LINEWORK - PLAN & SECTIONS	Color_239	Continuous	4
ENG_SHOULDER	PROPOSED EDGE OF SHOULDER - PLAN	Color_239	Continuous	2
ENG_SIDEWALK	PROPOSED CONC SIDEWALK - PLAN	Color_239	Continuous	4
ENG_SIGN	PROPOSED SIGN - PLAN	Color_239	Continuous	2
ENG_SIGN-COM	PROPOSED SIGN - COMMERCIAL - PLAN	Color_239	Continuous	2
ENG_SLOPE-B	PROPOSED BOTTOM OF SLOPE - PLAN	Color_119	Continuous	3
ENG_SLOPE-T	PROPOSED TOP OF SLOPE - PLAN	Color_139	Continuous	3
ENG_STORM	PROPOSED STORM INFORMATION - PROFILE	Color_239	Continuous	4
ENG_STORM-AREA	PROPOSED STORM CATCHMENT AREA - PLAN	Color_239	DGN7	10
ENG_STORM-MH	PROPOSED STORM APPURTENANCES - PLAN	Color_239	Continuous	0
ENG_STORM-UTIL	PROPOSED STORM SEWER U/G LINEWORK - PLAN & SECTIONS	Color_239	Continuous	10
ENG_STRUCTURE-B	PROPOSED BOTTOM OF STRUCTURE - PLAN AND SECTIONS	Color_239	DGN1	3
ENG_STRUCTURE-T	PROPOSED TOP OF STRUCTURE - PLAN & SECTIONS	Color_239	Continuous	3
ENG_SURFACE-PROF	PROPOSED SURFACE IN PROFILE and SECTIONS	Color_239	Continuous	4
ENG_SWALE	PROPOSED SWALE LINE - PLAN & PROFILE	Color_124	DGN4	3
ENG_TCS	PROPOSED TRAFFIC APPURTENANCES - PLAN & PROFILE	Color_239	Continuous	0
ENG_TCS-UTIL	PROPOSED TRAFFIC U/G LINEWORK - PLAN & SECTIONS	Color_239	Continuous	0
ENG_TIN-PRO	PROPOSED SURFACE TRIANGLES - PLAN	Color_4	Continuous	1
ENG_TITLEBLOCK	TITLEBLOCK LINEWORK, NORTH ARROW	Color_239	Continuous	1
ENG_TREE-CON	PROPOSED CONIFEROUS TREE - PLAN	Color_231	Continuous	0
ENG_TREE-DEC	PROPOSED DECIDUOUS TREE - PLAN	Color_230	Continuous	0
ENG_TV	PROP TV OR ROGERS APPURTENANCES - PLAN & PROFILE	Color_96	Continuous	4
ENG_TV-UTIL	PROPOSED TV / ROGERS U/G LINEWORK - PLAN &	Color_96	TV	4

The Peel Group Standard AutoCad Layers and Symbology SEED-PeelGroupLayers.dwg

	SECTIONS			
ENG_VCB	PROPOSED V TYPE CATCHBASIN	Color_239	Continuous	0
ENG_WALKWAY	PROPOSED WALKWAY - PLAN	Color_239	Continuous	4
ENG_WALL	PROPOSED WALL – ENTRANCE FEATURE - PLAN & SECTIONS	Color_239	Continuous	3
ENG_WATER	PROPOSED WATER APPURTENANCES - PLAN & PROFILE	Color_124	Continuous	4
ENG_WATER-UTIL	PROPOSED WATER U/G LINEWORK - PLAN & SECTIONS	Color_124	WATER	4
ENG_XBOUNDARY	PROPOSED EXTERIOR BOUNDARY	Color_239	DGN7	5

ENGINEERING/DESIGN TEMPLATE COMPONENT LAYERS

ENG_COMP-ASPH PAVT	PROPOSED ASPHALT PAVEMENT COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-CONC PAVT	PROP CONC. PAVEMENT (BUS BAY) COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-CURB	PROPOSED CURB COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-CUT	PROPOSED CUT COMPONENT - SECTIONS	Color_152	Continuous	0
ENG_COMP-DITCH	PROPOSED DITCH COMPONENT - SECTIONS	Color_124	Continuous	0
ENG_COMP-FILL	PROPOSED FILL COMPONENT - SECTIONS	Color_87	Continuous	0
ENG_COMP-GRANULAR	PROPOSED GRANULAR COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-ISLAND	PROPOSED ISLAND COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-KILLSTRIP	PROPOSED KILLSTRIP COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-LIMESTONE	PROPOSED LIMESTONE COMPONENT - SECTIONS	Color_96	Continuous	0
ENG_COMP-MULTI-TRAIL	PROPOSED TRAIL/BIKEPATH COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-SHOULDER	PROPOSED SHOULDER COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-SIDEWALK	PROPOSED SIDEWALK COMPONENT - SECTIONS	Color_239	Continuous	0
ENG_COMP-TERRACE	PROPOSED BOULEVARD COMPONENT - SECTIONS	Color_239	Continuous	0

ENGINEERING/DESIGN SHADING/HATCHING LAYERS

HATCH' = Hatch, Crosshatch or Pattern name, 'OPAQUE' = Solid Shape PA=Pattern Angle PS=Pattern Scale PD=Pattern Delta (spacing) AZ=Active Z Value --- Shading is set up for 1:500 Scale Drawings

ENG_SH_ASPHALT	PROPOSED SHADING FOR ASPH SURFACE - PLAN - Opaque Shape - AZ= -15	Color_233	Continuous	0
ENG_SH_CONCRETE	PROPOSED CONCRETE AREA PATTERN (INCLUDES BUS BAY) - PLAN - HATCH, PA=45, PS=1, PD=0.25, AZ= -5	Color_3	Continuous	1
ENG_SH_DRIVEWAY	PROPOSED DRIVEWAY PATTERN - PLAN - 'ASPH', PA=0, PS=1, PD=0, AZ= -5	Color_239	Continuous	1
ENG_SH_GABION	PROPOSED GABION HATCH PATTERN - PLAN - 'GABION', PA=0, PS=0.25, PD=0, AZ= -5	Color_4	Continuous	1
ENG_SH_GRASS	PROPOSED GRASSED AREA PATTERN - PLAN - 'GRASS', PA=0, PS=0.5, PD=0, AZ= -5	Color_246	Continuous	1
ENG_SH_GRIND	PROPOSED HATCH FOR ASPHALT GRIND SURFACE - PLAN - HATCH, PA=45, PS=1, PD=.25, AZ= -5	Color_239	Continuous	2
ENG_SH_IMPRESSED	PROPOSED IMPRESSED CONC PATTERN - PLAN - 'CONC_T', PA=30, PS=1, PD=0, AZ= -5	Color_3	Continuous	1
ENG_SH_ISLAND	PROPOSED SHADING FOR ISLAND SURFACE - PLAN - Opaque Shape - AZ= -10	Color_8	Continuous	0
ENG_SH_KILLSTRIP	PROPOSED CONCRETE KILLSTRIP and MEDIAN PATTERN - PLAN - 'CONCRT', PA=0, PS=0.25, PD=0, AZ= -5	Color_3	Continuous	0

The Peel Group Standard AutoCad Layers and Symbology SEED-PeelGroupLayers.dwg				
ENG_SH_MULTI-TRAIL	PROP ASPH MULTI-USE TRAIL OR WALKWAY HATCH PATTERN - PLAN - CROSSHATCH, PA=45, -45, PS=1, PA=0.15,0.15, AZ=-5	Color_239	Continuous	0
ENG_SH_RIPRAP	PROPOSED RIP RAP AREA PATTERN - PLAN - 'GRAVEL', PA=0, PS=0.5, PD=0, AZ= -5	Color_4	Continuous	1
ENG_SH_SANI	PROPOSED SANITARY PIPE HATCH - PROFILE - HATCH, PA= -60, PS=1, PD=0.5, AZ= -5	Color_3	Continuous	1
ENG_SH_SIDEWALK	PROPOSED SIDEWALK HATCH PATTERN (INCLUDES BUS PAD) - PLAN - HATCH, PA= -45, PS=1, PD=0.15, AZ= -5	Color_3	Continuous	1
ENG_SH_STORM	PROPOSED STORM PIPE HATCH - PROFILE - HATCH, PA=60, PS=1, PD=0.5, AZ= -5	Color_3	Continuous	1
ENG_SH_WATER	PROPOSED WATERMAIN PIPE HATCH - PROFILE - HATCH, PA= -60, PS=1, PD=0.25, AZ= -5	Color_3	Continuous	1
ENGINEERING/DESIGN AND SHEET TEXT				
ENG_TX_ALIGNMENT	NOTES AND LABELS - STATIONING	Color_239	Continuous	0
ENG_TX_APRON	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_ASHCURB-FACE	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_BARRIER	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_BELL	NOTES AND LABELS	Color_70	Continuous	0
ENG_TX_BELL-UTIL	NOTES AND LABELS	Color_70	Continuous	0
ENG_TX_BENCH	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_BOLLARD	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_BORDER	DRAWING & SHEET NO.	Color_239	Continuous	0
ENG_TX_BOREHOLE	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_BOULDER	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_BOULEVARD	NOTES AND LABELS	Color_239	DGN1	0
ENG_TX_BUSH-CON	NOTES AND LABELS	Color_231	Continuous	0
ENG_TX_BUSH-DEC	NOTES AND LABELS	Color_230	Continuous	0
ENG_TX_BUS-PAD	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_BUS-SHELTER	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CB	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CBMH	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CB-SIDEINLET	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CC	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CONTPRO-MAJ	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CONTPRO-MIN	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CROWN-RD	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CULVERT	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_CURB	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_DCB	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_DCB-SIDEINLET	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_DETAILS	DIMENSIONS AND TEXT IN DETAIL DRAWINGS	Color_239	Continuous	0
ENG_TX_DICB-ANGLED	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_DICB-FLAT	NOTES AND LABELS	Color_239	Continuous	0

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ENG_TX_DIMENSIONS	DIMENSIONS AND TEXT ON PLAN	Color_239	Continuous	0
ENG_TX_DITCH	NOTES AND LABELS	Color_124	Continuous	0
ENG_TX_DRIVEWAY	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_EDGE-WATER	NOTES AND LABELS	Color_124	Continuous	0
ENG_TX_EPAVT	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_FDC	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_FENCE	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_FENCE-GATE	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_FENCE-SILT	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_GABION	NOTES AND LABELS	Color_4	Continuous	0
ENG_TX_GARDEN	NOTES AND LABELS	Color_146	Continuous	0
ENG_TX_GAS	NOTES AND LABELS	Color_3	Continuous	0
ENG_TX_GAS-UTIL	NOTES AND LABELS	Color_3	Continuous	0
ENG_TX_GRADING	NOTES AND LABELS	Color_248	Continuous	0
ENG_TX_GRID	LABELS/ELEV./TITLE/OFFSETS FOR SECTIONS & PROFILE	Color_239	Continuous	0
ENG_TX_GROUND	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_GUIDERAIL-BEAM	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_GUIDERAIL-CABLE	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_HEADWALL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_HYDRO	NOTES AND LABELS	Color_157	Continuous	0
ENG_TX_HYDRO-TELE	NOTES AND LABELS	Color_157	Continuous	0
ENG_TX_HYDRO-UTIL	NOTES AND LABELS	Color_157	Continuous	0
ENG_TX_HZC	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_KEY	TEXT IN KEY PLAN - PLAN	Color_239	Continuous	0
ENG_TX_KILLSTRIP	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_LANE	NOTES AND LABELS	Color_239	DGN2	0
ENG_TX_LANEWAY	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_LEGEND	LEGEND AND NOTES TEXT	Color_239	Continuous	0
ENG_TX_LIMITS	LIMIT OF CONTRACT	Color_239	Continuous	0
ENG_TX_LOGO	LOGO TEXT	Color_239	Continuous	0
ENG_TX_MAIL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_MATCH	MATCH LINE BETWEEN DRAWINGS TEXT	Color_239	Continuous	0
ENG_TX_MULTI-TRAIL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_NOISEWALL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_POND	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_PYCB	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_REMOVALS	NOTES AND LABELS ON REMOVALS DRAWINGS	Color_239	Continuous	0
ENG_TX_REMOVALS-LINEAR	NOTES AND LABELS ON REMOVALS DRAWINGS	Color_239	Continuous	0
ENG_TX_REMOVALS-RELOCATE	NOTES AND LABELS ON REMOVALS DRAWINGS	Color_239	Continuous	0
ENG_TX_RET-WALL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_REVISIONS	TEXT AND SHAPE IDENTIFYING CLOUDED REVISIONS	Color_4	Continuous	4

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ENG_TX_RIPRAP	NOTES AND LABELS	Color_4	Continuous	0
ENG_TX_SANI	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SANI-UTIL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SHOULDER	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SIDEWALK	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SIGN	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SIGN-COM	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SLOPE-B	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SLOPE-T	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_STORM	NOTES AND LABELS	Color_239	Continuous	1
ENG_TX_STORM-AREA	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_STORM-MH	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_STORM-UTIL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_STRUCTURE-B	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_STRUCTURE-T	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SURFACE-PROF	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_SWALE	NOTES AND LABELS	Color_124	DGN4	0
ENG_TX_TCS	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_TCS-UTIL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_TIN-PRO	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_TITLEBLOCK	STREET NAME & DESC, PROJ #, SCALE, DATES & NAMES	Color_239	Continuous	0
ENG_TX_TITLE-DESC	DESCRIPTION ie "PROPOSED RECONSTRUCTION", "DETAILS"	Color_239	Continuous	0
ENG_TX_TITLE-REV	TEXT IN REVISIONS CHART i.e. 'Issued for...', 'As Constructed'	Color_239	Continuous	0
ENG_TX_TREE-CON	NOTES AND LABELS	Color_231	Continuous	0
ENG_TX_TREE-DEC	NOTES AND LABELS	Color_230	Continuous	0
ENG_TX_TV	NOTES AND LABELS	Color_96	Continuous	0
ENG_TX_TV-UTIL	NOTES AND LABELS	Color_96	Continuous	0
ENG_TX_VCB	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_WALKWAY	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_WALL	NOTES AND LABELS	Color_239	Continuous	0
ENG_TX_WATER	NOTES AND LABELS	Color_124	Continuous	0
ENG_TX_WATER-UTIL	NOTES AND LABELS	Color_124	Continuous	0
WORKING/CONSTRUCTION/GUIDELINE LAYERS				
_PRINT FULLSIZE	Print border for Full Size (24x36) [NON PRINTING]	Color_6	DGN1	5
_PRINT HALFSIZE	Print border for Half Size (11x17) [NON PRINTING]	Color_4	DGN1	5
-SCRAP	Respository for Ghost/Residual Elements [NON PRINTING]	Color_239	Continuous	0
ENG_WK_BREAKLINES	BREAKLINES IMPORTED FOR SURFACE WORK	Color_115	Continuous	3
ENG_WK_GROUND	GROUND SHOTS IMPORTED FOR SURFACE WORK	Color_115	Continuous	1
ENG_WK_MISC-1	MISCELLANEOUS WORKING LEVEL	Color_239	Continuous	1
ENG_WK_MISC-2	MISCELLANEOUS WORKING LEVEL	Color_4	Continuous	2

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ENG_WK_MISC-3	MISCELLANEOUS WORKING LEVEL	Color_2	Continuous	3
ENG_WK_MISC-4	MISCELLANEOUS WORKING LEVEL	Color_3	Continuous	4
ENG_WK_MISC-5	MISCELLANEOUS WORKING LEVEL	Color_4	Continuous	5
ENG_WK_MISC-6	MISCELLANEOUS WORKING LEVEL	Color_3	Continuous	6
ENG_WK_MISC-7	MISCELLANEOUS WORKING LEVEL	Color_239	Continuous	7
ENG_WK_MISC-8	MISCELLANEOUS WORKING LEVEL	Color_87	Continuous	8
ENG_WK_MISC-9	MISCELLANEOUS WORKING LEVEL	Color_88	Continuous	9
ENG_WK_MISC-10	MISCELLANEOUS WORKING LEVEL	Color_89	Continuous	10
MISC	MISCELLANEOUS WORKING LEVEL	Color_239	Continuous	0
ALTERNATE SOURCE / AS CONSTRUCTED LAYERS				
GIS_ALIGNMENT	BASELINE ALIGNMENTcenterline	Color_246	DGN4	3
GIS_APRON	CONC APRON	Color_2	Continuous	0
GIS_BARRIER	BARRIER (JERSEY / ARMOURSTONE)	Color_100	Continuous	0
GIS_BELL	BELL APPURTENANCES	Color_70	Continuous	0
GIS_BENCH	BENCH (PARK / BUS)	Color_246	Continuous	0
GIS_BLANK	BLANK (MISC SINGLE FEATURE)	Color_239	Continuous	0
GIS_BLANKLINE	BLANK (MISC LINE FEATURE)	Color_239	Continuous	0
GIS_BOREHOLE	BOREHOLE DATA	Color_239	Continuous	0
GIS_BOULDER	BOULDER - LARGE DECORATIVE	Color_239	Continuous	0
GIS_BUILDING	BUILDING	Color_246	Continuous	0
GIS_CB	CATCHBASIN	Color_112	Continuous	0
GIS_CONTOG-MAJ	CONTOURS OG MAJOR	Color_4	Continuous	3
GIS_CONTOG-MIN	CONTOURS OG MAJOR	Color_239	Continuous	1
GIS_CROWN-RD	CROWN OF ROADWAY	Color_4	Continuous	0
GIS_CSP	CULVERT	Color_4	DGN3	3
GIS_CURB	CURB	Color_4	Continuous	0
GIS_CURBSTOP	CURBSTOP PARKING	Color_4	DGN2	0
GIS_DITCH	DITCH LINE	Color_124	DGN4	0
GIS_DRIVEWAY	DRIVEWAY	Color_100	Continuous	0
GIS_EDGE-WATER	EDGE OF WATER (POND / RIVER)	Color_124	Continuous	0
GIS_EPAVT	EDGE OF PAVEMENT	Color_115	Continuous	0
GIS_EXPANSION-JOINT	BRIDGE EXPANSION JOINT	Color_3	Continuous	2
GIS_FENCE	FENCE	Color_100	CLF	0
GIS_FENCE-GATE	FENCE GATE POST	Color_100	Continuous	0
GIS_GABION	GABION BASKET	Color_66	Continuous	0
GIS_GARDEN	GARDEN	Color_245	Continuous	1
GIS_GAS	GAS APPURTENANCES	Color_3	Continuous	0
GIS_GROUND	GROUND SHOTS	Color_3	Continuous	0
GIS_GUIDERAIL	GUIDE RAIL	Color_115	DGN7	0
GIS_GUTT	CURB GUTTER	Color_4	Continuous	0
GIS_GUY POLE	GUY POLE	Color_247	Continuous	0

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GIS_GUY WIRE	GUY WIRE	Color_247	Continuous	0
GIS_HEADWALL	HEADWALL	Color_231	Continuous	0
GIS_HYDRO	HYDRO APPURTENANCES	Color_246	Continuous	0
GIS_KILLSTRIP	KILLSTRIP	Color_116	Continuous	0
GIS_LEGAL	LEGAL MONUMENTS	Color_43	Continuous	0
GIS_LP	LIGHT POLE	Color_246	Continuous	0
GIS_MAIL	MAILBOX	Color_20	Continuous	0
GIS_MH_SAN	SANITARY MAINTENANCE HOLE	Color_4	Continuous	0
GIS_MH_STM	STORM MAINTENANCE HOLE	Color_4	Continuous	0
GIS_NOISEWALL	NOISEWALL – ANY MATERIAL	Color_100	CLF	0
GIS_OG_TIN	TIN ORIGINAL GROUND (TRIANGLES)	Color_4	Continuous	0
GIS_PARKING_LOT	EDGE OF PARKING LOT SURFACE	Color_87	Continuous	0
GIS_PCTRL	PROJECT CONTROL	Color_43	Continuous	0
GIS_PMK_LANE	LANE MARKINGS	Color_239	DGN2	0
GIS_POND	ALL LINWORK WITHIN THE PERIMETER OF A POND	Color_239	Continuous	0
GIS_PYCB	CATCHBASIN - PYRAMID	Color_112	Continuous	0
GIS_RAILROAD	RAILROAD TRACKS	Color_224	Continuous	0
GIS_RASTER	RASTER ATTACHMENTS	Color_239	Continuous	0
GIS_REFPT	REFERENCE POINT	Color_43	Continuous	0
GIS_RET-WALL	RETAINING WALL	Color_3	Continuous	0
GIS_RIPRAP	RIPRAP	Color_66	Continuous	0
GIS_SHELTER	BUS SHELTER/PAD	Color_246	Continuous	0
GIS_SHOULDER	SHOULDER	Color_4	Continuous	0
GIS_SIDEWALK	SIDEWALK	Color_116	Continuous	0
GIS_SIGN	SIGN	Color_208	Continuous	0
GIS_SLOPE-B	BOTTOM OF SLOPE	Color_99	DGN2	0
GIS_SLOPE-T	TOP OF SLOPE	Color_98	Continuous	0
GIS_STRUCTURE-B	BOTTOM OF STRUCTURE	Color_3	DGN1	0
GIS_STRUCTURE-T	TOP OF STRUCTURE	Color_3	Continuous	0
GIS_TRAFFIC	TRAFFIC	Color_3	Continuous	0
GIS_TV	TV OR ROGERS	Color_96	Continuous	0
GIS_VEG	VEGETATION WOODLOT OR HEDGE	Color_230	Continuous	0
GIS_WALKWAY	WALKWAY	Color_116	Continuous	0
GIS_WALL	WALL – ENTRANCE FEATURE	Color_100	Continuous	0
GIS_WATER	WATER	Color_104	Continuous	0
ALTERNATE SOURCE / AS CONSTRUCTED POINTS				
GIS_PT_BLANK	POINTS IMPORTED FOR SURFACE WORK	Color_239	Continuous	0
GIS_PT_BREAKLINES	POINTS	Color_35	Continuous	1
GIS_PT_GRID	POINTS IMPORTED FOR SURFACE WORK	Color_35	Continuous	1
GIS_PT_GROUND	POINTS IMPORTED FOR SURFACE WORK	Color_3	Continuous	0

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ALTERNATE SOURCE / AS CONSTRUCTED TEXT

GIS_TX_ALIGNMENT	NOTES AND LABELS	Color_246	DGN4	3
GIS_TX_APRON	NOTES AND LABELS	Color_2	Continuous	0
GIS_TX_BARRIER	NOTES AND LABELS	Color_100	Continuous	0
GIS_TX_BELL	NOTES AND LABELS	Color_70	Continuous	0
GIS_TX_BENCH	NOTES AND LABELS	Color_246	Continuous	0
GIS_TX_BLANK	NOTES AND LABELS	Color_239	Continuous	0
GIS_TX_BLANKLINE	NOTES AND LABELS	Color_239	Continuous	0
GIS_TX_BOREHOLE	NOTES AND LABELS	Color_239	Continuous	0
GIS_TX_BOULDER	NOTES AND LABELS	Color_239	Continuous	0
GIS_TX_BUILDING	NOTES AND LABELS	Color_246	Continuous	0
GIS_TX_BUS	NOTES AND LABELS	Color_246	Continuous	0
GIS_TX_CB	NOTES AND LABELS	Color_112	Continuous	0
GIS_TX_CONTOG-MAJ	NOTES AND LABELS	Color_4	Continuous	3
GIS_TX_CONTOG-MIN	NOTES AND LABELS	Color_239	Continuous	1
GIS_TX_CROWN-RD	NOTES AND LABELS	Color_4	Continuous	0
GIS_TX_CSP	NOTES AND LABELS	Color_4	DGN3	3
GIS_TX_CURB	NOTES AND LABELS	Color_4	Continuous	0
GIS_TX_CURBSTOP	NOTES AND LABELS	Color_4	DGN2	0
GIS_TX_DITCH	NOTES AND LABELS	Color_124	DGN4	0
GIS_TX_DRIVEWAY	NOTES AND LABELS	Color_100	Continuous	0
GIS_TX_EDGE-WATER	NOTES AND LABELS	Color_124	Continuous	0
GIS_TX_EPAVT	NOTES AND LABELS	Color_115	Continuous	0
GIS_TX_EXPANSION-JOINT	NOTES AND LABELS	Color_3	Continuous	2
GIS_TX_FENCE	NOTES AND LABELS	Color_100	Continuous	0
GIS_TX_FENCE-GATE	NOTES AND LABELS	Color_100	Continuous	0
GIS_TX_GABION	NOTES AND LABELS	Color_66	Continuous	0
GIS_TX_GARDEN	NOTES AND LABELS	Color_245	Continuous	1
GIS_TX_GAS	NOTES AND LABELS	Color_3	Continuous	0
GIS_TX_GROUND	NOTES AND LABELS	Color_3	Continuous	0
GIS_TX_GUIDERAIL	NOTES AND LABELS	Color_115	DGN7	0
GIS_TX_GUTT	NOTES AND LABELS	Color_4	Continuous	0
GIS_TX_GUY POLE	NOTES AND LABELS	Color_247	Continuous	0
GIS_TX_GUY WIRE	NOTES AND LABELS	Color_247	Continuous	0
GIS_TX_HEADWALL	NOTES AND LABELS	Color_231	Continuous	0
GIS_TX_HYDRO	NOTES AND LABELS	Color_246	Continuous	0
GIS_TX_KILLSTRIP	NOTES AND LABELS	Color_116	Continuous	0
GIS_TX_LEGAL	NOTES AND LABELS	Color_43	Continuous	0
GIS_TX_LP	NOTES AND LABELS	Color_246	Continuous	0
GIS_TX_MAIL	NOTES AND LABELS	Color_20	Continuous	0
GIS_TX_MH_SAN	NOTES AND LABELS	Color_4	Continuous	0

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GIS_TX_MH_STM	NOTES AND LABELS	Color_4	Continuous	0
GIS_TX_NOISEWALL	NOTES AND LABELS	Color_100	Continuous	0
GIS_TX_OG_TIN	NOTES AND LABELS	Color_4	Continuous	0
GIS_TX_PCTRL	NOTES AND LABELS	Color_43	Continuous	0
GIS_TX_PMK_LANE	NOTES AND LABELS	Color_239	DGN2	0
GIS_TX_POND	NOTES AND LABELS	Color_239	Continuous	0
GIS_TX_PYCB	NOTES AND LABELS	Color_112	Continuous	0
GIS_TX_RAILROAD	NOTES AND LABELS	Color_224	Continuous	0
GIS_TX_REFPT	NOTES AND LABELS	Color_43	Continuous	0
GIS_TX_RET-WALL	NOTES AND LABELS	Color_3	Continuous	0
GIS_TX_RIPRAP	NOTES AND LABELS	Color_66	Continuous	0
GIS_TX_SHOULDER	NOTES AND LABELS	Color_4	Continuous	0
GIS_TX_SIDEWALK	NOTES AND LABELS	Color_116	Continuous	0
GIS_TX_SIGN	NOTES AND LABELS	Color_208	Continuous	0
GIS_TX_SLOPE-B	NOTES AND LABELS	Color_99	DGN2	0
GIS_TX_SLOPE-T	NOTES AND LABELS	Color_98	Continuous	0
GIS_TX_STRUCTURE-B	NOTES AND LABELS	Color_3	DGN1	0
GIS_TX_STRUCTURE-T	NOTES AND LABELS	Color_3	Continuous	0
GIS_TX_TRAFFIC	NOTES AND LABELS	Color_3	Continuous	0
GIS_TX_TV	NOTES AND LABELS	Color_96	Continuous	0
GIS_TX_VEG	NOTES AND LABELS	Color_230	Continuous	0
GIS_TX_WALKWAY	NOTES AND LABELS	Color_116	Continuous	0
GIS_TX_WALL	NOTES AND LABELS	Color_100	Continuous	0
GIS_TX_WATER	NOTES AND LABELS	Color_104	Continuous	0
PAVEMENT MARKINGS LAYERS				
PMK_CENTRELINE	LANE MARKINGS	Color_2	Continuous	1
PMK_LANE	LANE MARKINGS	Color_2	Continuous	0
PMK_LANE_1-1	LANE MARKINGS	Color_2	3 3	0
PMK_LANE_3-3	LANE MARKINGS	Color_2	3 3	0
PMK_LANE_3-6	LANE MARKINGS	Color_2	3 6	0
PMK_LANE-ARROW	TURNING ARROWS	Color_2	Continuous	0
PMK_LANE-LABEL	LANE IDENTIFIERS	Color_2	Continuous	0
PMK_LANE-REMOVALS	LANE MARKINGS TO BE REMOVED	Color_208	Continuous	0
PMK_LANE-SYMBOL	LANE SYMBOLS	Color_2	Continuous	0
PMK_LEGEND	LEGEND OUTLINE	Color_239	Continuous	0
PMK_SIGN-LABEL	SIGN SYMBOLS	Color_239	Continuous	0
PMK_TRAFFIC-SIGN	TRAFFIC SIGN	Color_2	Continuous	0
PAVEMENT MARKINGS TEXT				
PMK_TX_CENTRELINE	NOTES AND LABELS	Color_2	Continuous	0
PMK_TX_LANE	NOTES AND LABELS	Color_2	Continuous	0
PMK_TX_LANE_1-1	NOTES AND LABELS	Color_2	Continuous	0

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PMK_TX_LANE_3-3	NOTES AND LABELS	Color_2	Continuous	0
PMK_TX_LANE_3-6	NOTES AND LABELS	Color_2	Continuous	0
PMK_TX_LANE-ARROW	NOTES AND LABELS	Color_2	Continuous	0
PMK_TX_LANE-LABEL	NOTES AND LABELS	Color_2	Continuous	0
PMK_TX_LANE-REMOVALS	NOTES AND LABELS	Color_208	Continuous	0
PMK_TX_LANE-SYMBOL	NOTES AND LABELS	Color_2	Continuous	0
PMK_TX_LEGEND	LEGEND TEXT	Color_239	Continuous	0
PMK_TX_SIGN-LABEL	NOTES AND LABELS	Color_239	Continuous	0
PMK_TX_TRAFFIC-SIGN	NOTES AND LABELS	Color_2	Continuous	0
CONSERVATION AUTHORITY INFORMATION LAYERS				
RCA_FILL_LINE	REGIONAL CONSERVATION AUTH FILL LINE - PLAN	Color_253	Continuous	1
RCA_FLOOD_LINE	REGIONAL CONSERVATION AUTH FLOOD LINE - PLAN	Color_124	Continuous	2
RCA_REGULATION_LIMITS	REGIONAL CONSERVATION AUTH REGULATION LIMITS - PLAN	Color_239	Continuous	5
RCA_SH_REGULATION_LIMITS	REGIONAL CONSERVATION AUTH LANDS HATCH, PA=90, PS=1, PD=3	Color_239	Continuous	0
CONSERVATION AUTHORITY TEXT				
RCA_TX_FILL_LINE	NOTES AND LABELS	Color_253	Continuous	0
RCA_TX_FLOOD_LINE	NOTES AND LABELS	Color_124	Continuous	0
RCA_TX_REGULATION_LIMITS	NOTES AND LABELS	Color_239	Continuous	0
PROPERTY INFORMATION LAYERS				
ROW_DEV_LOTLINES	DEVELOPER LOTLINES	Color_80	DGN3	5
ROW_DEV_ROW	DEVELOPER ROW	Color_80	DGN3	15
ROW_ENG_GUYING_EASEMENT	PROPOSED PERMANENT HYDRO GUYING EASEMENT	Color_68	DGN2	2
ROW_ENG_HYDRO_EASEMENT	PROPOSED PERMANENT EASEMENT LINEWORK ie HYDRO	Color_68	DGN2	10
ROW_ENG_LOTLINES	PROPOSED PROPERTY LINEWORK ie LOT LINES	Color_80	Continuous	5
ROW_ENG_PERM_EASEMENT	PROP PERMANENT EASEMENT LINES ie FOR STRUCTURES..	Color_123	DGN2	10
ROW_ENG_ROW	PROPOSED RIGHT OF WAY, LIMIT OF CONTRACT	Color_80	DGN2	15
ROW_ENG_TEMP_EASEMENT	PROPOSED TEMPORARY EASEMENT LINEWORK ie GRADING	Color_230	DGN2	10
ROW_EXROW	EXISTING STREETLINES - RIGHT OF WAY (TERANET LEVEL 1)	Color_80	Continuous	15
ROW_LOTLINES	EXISTING PROPERTY LOT LINES (TERANET LEVEL 1)	Color_80	Continuous	5
ROW_REFPLANS	REFERENCE PLANS (TERANET LEVEL 7)	Color_4	DGN2	0
ROW_REGPLANS	REGISTERED PLANS (TERANET LEVELS)	Color_3	DGN3	0
PROPERTY SHADING/HATCHING LAYERS				
ROW_ENG_SH_GUYING_EASEMENT	PROPOSED PERMANENT HYDRO GUYING EASEMENT, OPAQUE WITH HYDRO HATCH ON PRIVATE LANDS, OPAQUE SHAPE WITHOUT HATCH ON CITY LANDS	Color_68	Continuous	0
ROW_ENG_SH_HYDRO_EASEMENT	PROPOSED PERMANENT EASEMENT ie HYDRO, AERIAL, ON DEVELOPER/PRIVATE LANDS, HATCH, PA=45, PS=1, PD=1	Color_239	Continuous	0
ROW_ENG_SH_PERM_EASEMENT	PROPOSED PERMANENT EASEMENT ie STRUCTURES, DRAINAGE, CROSSHATCH, PA=45,-	Color_124	Continuous	0

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	45, PS=1, PD=1,1			
ROW_ENG_SH_ROW	PROPOSED RIGHT OF WAY (FEE SIMPLE), HATCH, PA=45, PS=1, PD=0.65	Color_117	Continuous	2
ROW_ENG_SH_TEMP_EASEMENT	PROPOSED TEMPORARY EASEMENT ie GRADING	Color_212	Continuous	0
PROPERTY TEXT				
ROW_ENG_TX_GUYING_EASEMENT	IDENTIFICATION OF TYPE OF EASEMENT ie HYDRO GUYING	Color_68	Continuous	0
ROW_ENG_TX_HYDRO_EASEMENT	IDENTIFICATION OF TYPE OF EASEMENT ie HYDRO AERIAL	Color_68	Continuous	0
ROW_ENG_TX_PERM_EASEMENT	IDENTIFICATION OF TYPE OF EASEMENT ie STRUCTURES, DRAINAGE	Color_123	Continuous	0
ROW_ENG_TX_PROPERTY	NOTES AND LABELS	Color_239	Continuous	0
ROW_ENG_TX_ROW	PROPOSED RIGHT OF WAY, LIMIT OF CONTRACT	Color_239	Continuous	0
ROW_ENG_TX_TEMP_EASEMENT	IDENTIFICATION OF TYPE OF EASEMENT ie GRADING	Color_212	Continuous	0
ROW_TX_OWNERS	OWNER INFORMATION	Color_239	Continuous	0
ROW_TX_PIN	9 DIGIT P.I.N. (TERANET LEVEL 17) , TXT=1.5	Color_239	Continuous	0
ROW_TX_REFPLANS	REFERENCE PLANS (TERANET LEVEL 8)	Color_4	Continuous	0
ROW_TX_REGPLANS	REGISTERED PLANS (TERANET LEVEL 6)	Color_3	Continuous	0
ROW_TX_STNAMES	EXISTING STREET NAME	Color_80	Continuous	0
STREET LIGHTING INFORMATION LAYERS				
STL_ABANDON		Color_4	DGN2	2
STL_BACKGUY		Color_3	Continuous	2
STL_CONDUCTORS_OH	NEW OVERHEAD CONDUCTORS	Color_90	Continuous	2
STL_CONDUIT_UG_100mm		Color_90	DGN3	4
STL_CONDUIT_UG_50mm		Color_90	DGN2	4
STL_ELECTRICAL_CHAMBER		Color_3	Continuous	2
STL_EXIST_CONDUIT_UG_100mm		Color_236	DGN3	2
STL_EXIST_CONDUIT_UG_50mm		Color_236	DGN2	2
STL_EXISTING_CONDUCTORS_OH	EXISTING OVERHEAD CONDUCTORS	Color_4	Continuous	2
STL_EXISTING_ELECTRICAL_CHAMBER		Color_236	Continuous	0
STL_EXISTING_FIXTURES		Color_236	Continuous	0
STL_EXISTING_POLES	EXISTING POLES	Color_239	Continuous	2
STL_EXISTING_POWER_SUPPLY		Color_236	Continuous	0
STL_EXISTING_TRANSFORMERS	EXISTING TRANSFORMERS	Color_239	Continuous	2
STL_FIXTURES	FIXTURES	Color_3	Continuous	2
STL_FUSE		Color_3	Continuous	2
STL_GND_PLATE	GROUND PLATE	Color_3	Continuous	2
STL_ID		Color_239	Continuous	2
STL_POLES	NEW POLES	Color_3	Continuous	2
STL_POWER_SUPPLY		Color_3	Continuous	2
STL_REMOVE		Color_4	Continuous	2
STL_TRANSFORMERS	NEW TRANSFORMERS	Color_3	Continuous	2

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STL_WIRING		Color_236	Continuous	0
STREET LIGHTING TEXT				
STL_TX_ABANDON	NOTES AND LABELS	Color_4	Continuous	0
STL_TX_BACKGUY	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_CONDUCTORS_OH	NOTES AND LABELS	Color_90	Continuous	0
STL_TX_ELECTRICAL_CHAMBER	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_EXISTING_CONDUCTORS_OH	NOTES AND LABELS	Color_4	Continuous	0
STL_TX_EXISTING_ELECTRICAL_CHAMBER	NOTES AND LABELS	Color_236	Continuous	0
STL_TX_EXISTING_FIXTURES	NOTES AND LABELS	Color_236	Continuous	0
STL_TX_EXISTING_POLES	NOTES AND LABELS	Color_239	Continuous	0
STL_TX_EXISTING_POWER_SUPPLY	NOTES AND LABELS	Color_236	Continuous	0
STL_TX_EXISTING_TRANSFORMERS	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_FIXTURES	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_FUSE	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_GND_PLATE	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_ID	NOTES AND LABELS	Color_239	Continuous	0
STL_TX_POLES	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_POWER_SUPPLY	NOTES AND LABELS	Color_3	Continuous	0
STL_TX_REMOVE	NOTES AND LABELS	Color_4	Continuous	0
STL_TX_TRANSFORMERS	NOTES AND LABELS	Color_3	Continuous	0
SURVEYED INFORMATION LAYERS				
SVY_APRON	CONC APRON	Color_2	Continuous	0
SVY_BARRIER	BARRIER (JERSEY / ARMOURSTONE)	Color_100	Continuous	0
SVY_BELL	BELL	Color_70	Continuous	0
SVY_BENCH	BENCH (PARK / BUS)	Color_253	Continuous	0
SVY_BLANK	BLANK (MISC SINGLE FEATURE)	Color_239	Continuous	0
SVY_BOREHOLE	BOREHOLE DATA	Color_239	Continuous	0
SVY_BOULDER	BOULDER - LARGE DECORATIVE	Color_140	Continuous	0
SVY_BREAKLINES	BREAKLINES	Color_99	DGN2	0
SVY_BUILDING	BUILDING	Color_253	Continuous	0
SVY_CB	CATCHBASIN AT GUTTERLINE	Color_112	Continuous	0
SVY_CROSS_SEG	CROSSING SEGMENTS	Color_3	Continuous	0
SVY_CROWN-RD	CROWN OF ROADWAY	Color_4	Continuous	0
SVY_CSP	CSP, PVC OR CONC PIPE	Color_4	DGN3	3
SVY_CURB	FACE of CURB	Color_4	Continuous	0
SVY_CURBSTOP	CURBSTOP PARKING	Color_4	DGN2	0
SVY_DITCH	DITCH OR SWALE LINE	Color_124	DGN4	0
SVY_DRIVEWAY	DRIVEWAY	Color_100	Continuous	0
SVY_EDGE-WATER	EDGE OF WATER (POND / RIVER)	Color_124	Continuous	0
SVY_EPAVT	EDGE OF PAVEMENT	Color_115	Continuous	0
SVY_EXPANSION-JOINT	BRIDGE EXPANSION JOINT	Color_253	Continuous	2

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SVY_FENCE	FENCE	Color_100	CLF	0
SVY_FENCE-GATE	FENCE GATE POST	Color_100	Continuous	0
SVY_GABION	GABION BASKET	Color_66	Continuous	0
SVY_GARDEN	GARDEN	Color_245	Continuous	1
SVY_GAS	GAS	Color_70	Continuous	0
SVY_GROUND	GROUND SHOTS	Color_220	Continuous	0
SVY_GUIDERAIL	GUIDE RAIL	Color_115	DGN7	0
SVY_GUTT	CURB GUTTER	Color_4	Continuous	0
SVY_GUY_POLE	GUY POLE	Color_70	Continuous	0
SVY_GUY_WIRE	GUY WIRE	Color_70	Continuous	0
SVY_HEADWALL	HEADWALL	Color_253	Continuous	0
SVY_HYDRO	HYDRO JUNCTION BOX	Color_70	Continuous	0
SVY_KILLSTRIP	KILLSTRIP	Color_116	Continuous	0
SVY_LAYOUT-STAKE	LAYOUT STAKE	Color_43	Continuous	0
SVY_LEGAL	LEGAL MONUMENTS	Color_4	Continuous	0
SVY_LP	LIGHT POLE	Color_70	Continuous	0
SVY_MH	SANITARY, STORM OR FDC MAINTENANCE HOLE	Color_112	Continuous	0
SVY_MH_FDC	MAINTENANCE HOLE - FDC	Color_112	Continuous	0
SVY_MH_SAN	MAINTENANCE HOLE - SANITARY	Color_112	Continuous	0
SVY_MH_STM	MAINTENANCE HOLE - STORM	Color_112	Continuous	0
SVY_NOISEWALL	NOISEWALL – ANY MATERIAL	Color_100	CLF	0
SVY_OGCONT-MAJ	CONTOURS OG MAJOR	Color_4	Continuous	3
SVY_OGCONT-MIN	CONTOURS OG MINOR	Color_239	Continuous	1
SVY_OG-TIN	ORIGINAL SURFACE TRIANGLES	Color_4	Continuous	0
SVY_PCTRL	PROJECT CONTROL	Color_43	Continuous	0
SVY_PMK_LANE	LANE MARKINGS	Color_239	DGN2	0
SVY_PYCB	CATCHBASIN - PYRAMID	Color_112	Continuous	0
SVY_RAILROAD	RAILROAD TRACKS OR WIGWAGS	Color_253	Continuous	0
SVY_REFPT	REFERENCE POINT	Color_43	Continuous	0
SVY_RET-WALL	RETAINING WALL	Color_253	Continuous	0
SVY_RIPRAP	RIPRAP	Color_66	Continuous	0
SVY_SHELTER	SHELTER, TELEPHONE BOOTH, OR SHED	Color_253	Continuous	0
SVY_SHOULDER	SHOULDER	Color_4	Continuous	0
SVY_SIDEWALK	CONC SIDEWALK	Color_116	Continuous	0
SVY_SIGN	SIGN	Color_140	Continuous	0
SVY_SLOPE-B	BOTTOM OF SLOPE	Color_99	DGN2	0
SVY_SLOPE-T	TOP OF SLOPE	Color_98	Continuous	0
SVY_STRUCTURE-B	BOTTOM OF STRUCTURE	Color_253	DGN1	0
SVY_STRUCTURE-T	TOP OF STRUCTURE	Color_253	Continuous	0
SVY_SURFACE-PROF	EXISTING SURFACE FOR PROFILE AND SECTIONS	Color_4	DGN3	3
SVY_TRAFFIC	TRAFFIC	Color_70	Continuous	0

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SVY_TV	TV	Color_70	Continuous	0
SVY_VEG	VEGETATION	Color_230	Continuous	0
SVY_WALKWAY	EDGE OF WALKWAY	Color_116	Continuous	0
SVY_WALL	WALL – ENTRANCE FEATURE	Color_100	Continuous	0
SVY_WATER	WATER	Color_111	Continuous	0
SURVEYED POINTS				
SVY_PT_APRON	POINTS	Color_2	Continuous	0
SVY_PT_BARRIER	POINTS	Color_100	Continuous	0
SVY_PT_BELL	POINTS	Color_70	Continuous	0
SVY_PT_BENCH	POINTS	Color_253	Continuous	0
SVY_PT_BLANK	POINTS	Color_239	Continuous	0
SVY_PT_BUILDING	POINTS	Color_253	Continuous	0
SVY_PT_CROWN-RD	POINTS	Color_4	Continuous	0
SVY_PT_CURB	POINTS	Color_4	Continuous	0
SVY_PT_CURBSTOP	POINTS	Color_4	DGN2	0
SVY_PT_DITCH	POINTS	Color_124	DGN4	0
SVY_PT_DRIVEWAY	POINTS	Color_100	Continuous	0
SVY_PT_EDGE-WATER	POINTS	Color_124	Continuous	0
SVY_PT_EPAVT	POINTS	Color_115	Continuous	0
SVY_PT_EXPANSION-JOINT	POINTS	Color_253	Continuous	2
SVY_PT_FENCE	POINTS	Color_100	CLF	0
SVY_PT_FENCE-GATE	POINTS	Color_100	Continuous	0
SVY_PT_GABION	POINTS	Color_66	Continuous	0
SVY_PT_GARDEN	POINTS	Color_245	Continuous	1
SVY_PT_GAS	POINTS	Color_70	Continuous	0
SVY_PT_GUIDERAIL	POINTS	Color_115	DGN7	0
SVY_PT_GUTT	POINTS	Color_4	Continuous	0
SVY_PT_HEADWALL	POINTS	Color_253	Continuous	0
SVY_PT_HYDRO	POINTS	Color_70	Continuous	0
SVY_PT_KILLSTRIP	POINTS	Color_116	Continuous	0
SVY_PT_NOISEWALL	POINTS	Color_100	Continuous	0
SVY_PT_PMK_LANE	POINTS	Color_239	DGN2	0
SVY_PT_RAILROAD	POINTS	Color_253	Continuous	0
SVY_PT_RET-WALL	POINTS	Color_253	Continuous	0
SVY_PT_RIPRAP	POINTS	Color_66	Continuous	0
SVY_PT_SHELTER	POINTS	Color_253	Continuous	0
SVY_PT_SHOULDER	POINTS	Color_4	Continuous	0
SVY_PT_SIDEWALK	POINTS	Color_116	Continuous	0
SVY_PT_SIGN	POINTS	Color_140	Continuous	0
SVY_PT_SLOPE-B	POINTS	Color_99	DGN2	0
SVY_PT_SLOPE-T	POINTS	Color_98	Continuous	0

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SVY_PT_STRUCTURE-B	POINTS	Color_253	DGN1	0
SVY_PT_STRUCTURE-T	POINTS	Color_253	Continuous	0
SVY_PT_SURFACE-PROF	POINTS	Color_239	Continuous	0
SVY_PT_TRAFFIC	POINTS	Color_70	Continuous	0
SVY_PT_TV	POINTS	Color_70	Continuous	0
SVY_PT_VEG	POINTS	Color_230	Continuous	0
SVY_PT_WALKWAY	POINTS	Color_116	Continuous	0
SVY_PT_WALL	POINTS	Color_100	Continuous	0
SVY_PT_WATER	POINTS	Color_111	Continuous	0
SURVEY TEXT				
SVY_TX_APRON	NOTES AND LABELS	Color_2	Continuous	0
SVY_TX_BARRIER	NOTES AND LABELS	Color_100	Continuous	0
SVY_TX_BELL	NOTES AND LABELS	Color_70	Continuous	0
SVY_TX_BENCH	NOTES AND LABELS	Color_253	Continuous	0
SVY_TX_BLANK	NOTES AND LABELS	Color_239	Continuous	0
SVY_TX_BOREHOLE	NOTES AND LABELS	Color_239	Continuous	0
SVY_TX_BOULDER	NOTES AND LABELS	Color_140	Continuous	0
SVY_TX_BREAKLINES	NOTES AND LABELS	Color_99	DGN2	0
SVY_TX_BUILDING	NOTES AND LABELS	Color_253	Continuous	0
SVY_TX_CB	NOTES AND LABELS	Color_112	Continuous	0
SVY_TX_CROWN-RD	NOTES AND LABELS	Color_4	Continuous	0
SVY_TX_CSP	NOTES AND LABELS	Color_4	DGN3	3
SVY_TX_CURB	NOTES AND LABELS	Color_4	Continuous	0
SVY_TX_CURBSTOP	NOTES AND LABELS	Color_4	DGN2	0
SVY_TX_DITCH	NOTES AND LABELS	Color_124	DGN4	0
SVY_TX_DRIVEWAY	NOTES AND LABELS	Color_100	Continuous	0
SVY_TX_EDGE-WATER	NOTES AND LABELS	Color_124	Continuous	0
SVY_TX_EPAVT	NOTES AND LABELS	Color_115	Continuous	0
SVY_TX_EXPANSION-JOINT	NOTES AND LABELS	Color_253	Continuous	2
SVY_TX_FENCE	NOTES AND LABELS	Color_100	Continuous	0
SVY_TX_FENCE-GATE	NOTES AND LABELS	Color_100	Continuous	0
SVY_TX_GABION	NOTES AND LABELS	Color_66	Continuous	0
SVY_TX_GARDEN	NOTES AND LABELS	Color_245	Continuous	1
SVY_TX_GAS	NOTES AND LABELS	Color_70	Continuous	0
SVY_TX_GROUND	NOTES AND LABELS	Color_220	Continuous	0
SVY_TX_GUIDERAIL	NOTES AND LABELS	Color_115	DGN7	0
SVY_TX_GUTT	NOTES AND LABELS	Color_4	Continuous	0
SVY_TX_GUY_POLE	NOTES AND LABELS	Color_70	Continuous	0
SVY_TX_GUY_WIRE	NOTES AND LABELS	Color_70	Continuous	0
SVY_TX_HEADWALL	NOTES AND LABELS	Color_253	Continuous	0
SVY_TX_HYDRO	NOTES AND LABELS	Color_70	Continuous	0

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SVY_TX_KILLSTRIP	NOTES AND LABELS	Color_116	Continuous	0
SVY_TX_LAYOUT-STAKE	NOTES AND LABELS	Color_43	Continuous	0
SVY_TX_LEGAL	NOTES AND LABELS	Color_4	Continuous	0
SVY_TX_LP	NOTES AND LABELS	Color_70	Continuous	0
SVY_TX_MH_FDC	NOTES AND LABELS	Color_112	Continuous	0
SVY_TX_MH_SAN	NOTES AND LABELS	Color_112	Continuous	0
SVY_TX_MH_STM	NOTES AND LABELS	Color_112	Continuous	0
SVY_TX_NOISEWALL	NOTES AND LABELS	Color_100	Continuous	0
SVY_TX_OGCONT-MAJ	NOTES AND LABELS	Color_4	Continuous	3
SVY_TX_OGCONT-MIN	NOTES AND LABELS	Color_239	Continuous	1
SVY_TX_OG-TIN	NOTES AND LABELS	Color_4	Continuous	0
SVY_TX_PCTRL	NOTES AND LABELS	Color_43	Continuous	0
SVY_TX_PMK_LANE	NOTES AND LABELS	Color_239	DGN2	0
SVY_TX_PYCB	NOTES AND LABELS	Color_112	Continuous	0
SVY_TX_RAILROAD	NOTES AND LABELS	Color_253	Continuous	0
SVY_TX_REFPT	NOTES AND LABELS	Color_43	Continuous	0
SVY_TX_RET-WALL	NOTES AND LABELS	Color_253	Continuous	0
SVY_TX_RIPRAP	NOTES AND LABELS	Color_66	Continuous	0
SVY_TX_SHELTER	NOTES AND LABELS	Color_253	Continuous	0
SVY_TX_SHOULDER	NOTES AND LABELS	Color_4	Continuous	0
SVY_TX_SIDEWALK	NOTES AND LABELS	Color_116	Continuous	0
SVY_TX_SIGN	NOTES AND LABELS	Color_140	Continuous	0
SVY_TX_SLOPE-B	NOTES AND LABELS	Color_99	DGN2	0
SVY_TX_SLOPE-T	NOTES AND LABELS	Color_98	Continuous	0
SVY_TX_STRUCTURE-B	NOTES AND LABELS	Color_253	DGN1	0
SVY_TX_STRUCTURE-T	NOTES AND LABELS	Color_253	Continuous	0
SVY_TX_SURFACE-PROF	NOTES AND LABELS	Color_4	Continuous	0
SVY_TX_TRAFFIC	NOTES AND LABELS	Color_70	Continuous	0
SVY_TX_TV	NOTES AND LABELS	Color_70	Continuous	0
SVY_TX_VEG	NOTES AND LABELS	Color_230	Continuous	0
SVY_TX_WALKWAY	NOTES AND LABELS	Color_116	Continuous	0
SVY_TX_WALL	NOTES AND LABELS	Color_100	Continuous	0
SVY_TX_WATER	NOTES AND LABELS	Color_111	Continuous	0
TRAFFIC CONTROL SIGNALS INFORMATION LAYERS				
TCS_100mm-EXIST	EXISTING TRAFFIC 100mm RIGID PVC	Color_239	DGN4	5
TCS_100mm-NEW	PROPOSED TRAFFIC 100mm RIGID PVC	Color_3	DGN3	5
TCS_50mm-EXIST	EXISTING TRAFFIC 50mm RIGID PVC	Color_239	Continuous	5
TCS_50mm-NEW	PROPOSED TRAFFIC 50mm RIGID PVC	Color_3	DGN2	5
TCS_76mm-EXIST	EXISTING TRAFFIC 76mm RIGID PVC	Color_239	DGN6	5
TCS_76mm-NEW	PROPOSED TRAFFIC 76mm RIGID PVC	Color_3	DGN1	5
TCS_BACKGUY	TRAFFIC BACKGUY	Color_3	Continuous	2

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TCS_CONTROLLER	TRAFFIC CONTROLLER	Color_3	Continuous	2
TCS_ELEC-CHAMBER-EXIST		Color_235	Continuous	2
TCS_ELEC-CHAMBER-NEW		Color_3	Continuous	2
TCS_FUSE	TRAFFIC FUSE	Color_3	Continuous	2
TCS_HYDROSUPPLY	HYDRO TRANSFORMER	Color_3	Continuous	2
TCS_LEGEND		Color_239	Continuous	1
TCS_LOOP	TRAFFIC LOOPS	Color_3	Continuous	2
TCS_LUMINAIRE-EXIST	EXISTING TRAFFIC LUMINAIRE	Color_4	Continuous	0
TCS_LUMINAIRE-NEW	PROPOSED TRAFFIC LUMINAIRE	Color_3	Continuous	2
TCS_OPTICOM	TRAFFIC OPTICOM DETECTOR	Color_239	Continuous	2
TCS_PAV		Color_112	Continuous	2
TCS_PLATE	TRAFFIC GROUND PLATE	Color_3	Continuous	2
TCS_POLE-EXIST	EXISTING TRAFFIC POLE	Color_4	Continuous	0
TCS_POLE-NEW	PROPOSED TRAFFIC POLE	Color_3	Continuous	2
TCS_POWER	TRAFFIC POWER SUPPLY	Color_3	Continuous	2
TCS_PUSHBUTTON	TRAFFIC PEDESTRIAN PUSHBUTTON POLE	Color_3	Continuous	2
TCS_RADAR		Color_3	Continuous	1
TCS_REMOVAL		Color_4	Continuous	3
TCS_SCHEMATIC	TRAFFIC SCHEMATIC WIRING DIAGRAM	Color_3	Continuous	2
TCS_SCHEMATIC-EXIST		Color_239	DGN2	0
TCS_SIGN		Color_239	Continuous	0
TCS_SIGNALHEAD	TRAFFIC SIGNAL HEAD INCLUDING PEDESTRIAN SIGNAL HEAD & PUSH BUTTON	Color_3	Continuous	2
TCS_SPAN-EXIST		Color_235	DGN2	2
TCS_SPAN-NEW		Color_3	Continuous	1
TCS_TSP-EVP	TRANSIT SIGNAL and EMERGENCY VEHICLE PRIORITY DETECTOR	Color_239	Continuous	2
TCS_VIDEO	TRAFFIC VIDEO DETECTOR	Color_239	Continuous	2
TCS_WIFI	WIFI ACCESS POINT	Color_239	Continuous	2
TRAFFIC CONTROL SIGNALS TEXT				
TCS_TX_100mm-EXIST	NOTES AND LABELS	Color_239	DGN4	5
TCS_TX_100mm-NEW	NOTES AND LABELS	Color_3	DGN3	5
TCS_TX_50mm-EXIST	NOTES AND LABELS	Color_239	Continuous	5
TCS_TX_50mm-NEW	NOTES AND LABELS	Color_3	DGN2	5
TCS_TX_76mm-EXIST	NOTES AND LABELS	Color_239	DGN6	5
TCS_TX_76mm-NEW	NOTES AND LABELS	Color_3	DGN1	5
TCS_TX_BACKGUY	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_CONTROLLER	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_ELEC-CHAMBER-EXIST	NOTES AND LABELS	Color_235	Continuous	0
TCS_TX_ELEC-CHAMBER-NEW	NOTES AND LABELS	Color_3	Continuous	0
TCS_TX_FUSE	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_HYDROSUPPLY	NOTES AND LABELS	Color_3	Continuous	2

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TCS_TX_LEGEND	NOTES AND LABELS	Color_239	Continuous	0
TCS_TX_LOOP	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_LUMINAIRE-EXIST	NOTES AND LABELS	Color_4	Continuous	0
TCS_TX_LUMINAIRE-NEW	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_PAV	NOTES AND LABELS	Color_112	Continuous	0
TCS_TX_PLATE	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_POLE-EXIST	NOTES AND LABELS	Color_4	Continuous	0
TCS_TX_POLE-NEW	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_POWER	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_PUSHBUTTON	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_RADAR	NOTES AND LABELS	Color_3	Continuous	0
TCS_TX_REMOVAL	NOTES AND LABELS	Color_4	Continuous	0
TCS_TX_SCHEMATIC	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_SCHEMATIC-EXIST	NOTES AND LABELS	Color_239	Continuous	0
TCS_TX_SIGN	NOTES AND LABELS	Color_239	Continuous	0
TCS_TX_SIGNALHEAD	NOTES AND LABELS	Color_3	Continuous	2
TCS_TX_SPAN-EXIST	NOTES AND LABELS	Color_235	Continuous	0
TCS_TX_SPAN-NEW	NOTES AND LABELS	Color_3	Continuous	0
TCS_TX_TSP-EVP	NOTES AND LABELS	Color_239	Continuous	2
TCS_TX_VIDEO	NOTES AND LABELS	Color_239	Continuous	2
TCS_TX_WIFI	NOTES AND LABELS	Color_239	Continuous	2
TCS_TX-OPTICOM	NOTES AND LABELS	Color_239	Continuous	2
UNDERGROUND UTILITY SERVICES INFORMATION LAYERS				
UGS_BELL	EXISTING BELL APPURTENANCES - PLAN & PROFILE	Color_70	Continuous	0
UGS_BELL-UTIL	EXISTING BELL U/G LINWORK - PLAN & SECTIONS	Color_70	BELL	0
UGS_CULVERT	EXISTING CULVERT - PLAN, PROFILE & SECTIONS	Color_4	DGN2	5
UGS_FIBRE	UNIDENTIFIED FIBRE CABLE	Color_239	Continuous	0
UGS_GAS	EXISTING GAS APPURTENANCES - PLAN & PROFILE	Color_3	Continuous	0
UGS_GAS-UTIL	EXISTING GAS U/G LINWORK - PLAN & SECTIONS	Color_3	GAS	0
UGS_HYDRO	EXISTING HYDRO APPURTENANCES - PLAN & PROFILE	Color_246	Continuous	0
UGS_HYDRO-TELE	EXISTING HYDROONE TELECOM UNDERGROUND LINWORK - PLAN & SECTIONS	Color_246	HYDRO-1-T	0
UGS_HYDRO-UTIL	EXISTING HYDROONE BRAMPTON UNDERGROUND LINWORK - PLAN & SECTIONS	Color_246	HYDRO-1-B	0
UGS_SANI	EXISTING SANITARY APPURTENANCES - PLAN & PROFILE	Color_4	Continuous	3
UGS_SANI-UTIL	EXISTING SANITARY SEWER UNDERGROUND LINWORK - PLAN & SECTIONS	Color_4	Continuous	5
UGS_SH_HYDRO	SHADING FOR UNDERGROUND HYDRO DUCTS - PROFILE	Color_246	Continuous	0
UGS_STORM	EXISTING STORM APPURTENANCES - PLAN & PROFILE	Color_4	Continuous	3
UGS_STORM-UTIL	EXISTING STORM SEWER UNDERGROUND LINWORK - PLAN & SECTIONS	Color_4	Continuous	5
UGS_SUBDRAIN	SUBDRAIN	Color_4	DGN Style 3	2

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UGS_TCS	EXISTING TRAFFIC APPURTENANCES - PLAN & PROFILE	Color_3	Continuous	0
UGS_TCS-UTIL	EXISTING TRAFFIC U/G LINEWORK - PLAN & SECTIONS	Color_3	Continuous	0
UGS_TV	EXISTING TV OR ROGERS APPURTENANCES - PLAN & PROFILE	Color_96	Continuous	0
UGS_TV-UTIL	EXISTING TV/ ROGERS U/G LINEWORK - PLAN & SECTIONS	Color_96	TV	0
UGS_UNKNOWN-UTIL	EXISTING UNIDENTIFIED UTILITY	Color_239	Continuous	0
UGS_WATER	EXISTING WATER APPURTENANCES - PLAN & PROFILE	Color_124	Continuous	0
UGS_WATER-UTIL	EXISTING WATER U/G LINEWORK - PLAN & SECTIONS	Color_124	WATER	0
UNDERGROUND UTILITY SERVICES TEXT				
UGS_TX_BELL	NOTES AND LABELS	Color_70	Continuous	0
UGS_TX_BELL-UTIL	NOTES AND LABELS	Color_70	Continuous	0
UGS_TX_CULVERT	NOTES AND LABELS	Color_4	Continuous	5
UGS_TX_FIBRE	LABEL 'UNKNOWN FIBRE'	Color_239	Continuous	0
UGS_TX_GAS	NOTES AND LABELS	Color_3	Continuous	0
UGS_TX_GAS-UTIL	NOTES AND LABELS	Color_3	Continuous	0
UGS_TX_HYDRO	NOTES AND LABELS	Color_246	Continuous	0
UGS_TX_HYDRO-TELE	NOTES AND LABELS	Color_246	Continuous	0
UGS_TX_HYDRO-UTIL	NOTES AND LABELS	Color_246	Continuous	0
UGS_TX_SANI	NOTES AND LABELS	Color_4	Continuous	3
UGS_TX_SANI-UTIL	NOTES AND LABELS	Color_4	Continuous	5
UGS_TX_STORM	NOTES AND LABELS	Color_4	Continuous	3
UGS_TX_STORM-UTIL	NOTES AND LABELS	Color_4	Continuous	5
UGS_TX_SUBDRAIN	NOTES AND LABELS	Color_4	Continuous	0
UGS_TX_TCS	NOTES AND LABELS	Color_3	Continuous	0
UGS_TX_TCS_UTIL	NOTES AND LABELS	Color_3	Continuous	0
UGS_TX_TV	NOTES AND LABELS	Color_96	Continuous	0
UGS_TX_TV-UTIL	NOTES AND LABELS	Color_96	Continuous	0
UGS_TX_UNKNOWN-UTIL	LABEL ""UNKNOWN U/G""	Color_239	Continuous	0
UGS_TX_WATER	NOTES AND LABELS	Color_124	Continuous	0
UGS_TX_WATER-UTIL	NOTES AND LABELS	Color_124	Continuous	0

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APPENDIX 4 - STANDARD MICROSTATION LEVELS & SYMBOLOGY

The Peel Group Standard Microstation Levels and Symbolgy – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
Default	Default	0	0	0
ENGINEERING/DESIGN AND SHEET LEVELS				
GENERAL LEVELS FOR DRAWING SHEETS				
ENG_ALIGNMENT	BASELINE ALIGNMENTcenterline	246	4	3
ENG_APRON	PROPOSED CONC APRON - PLAN, PROFILE & SECTIONS	0	0	3
ENG_ASHCURB-FACE	PROPOSED ASPH CURB FACE - PLAN	0	0	2
ENG_BARRIER	PROPOSED BARRIER - JERSEY, ARMOURSTONE - PLAN	0	0	3
ENG_BELL	PROPOSED BELL APPURTENANCES - PLAN & PROFILE	70	0	0
ENG_BELL-UTIL	PROPOSED BELL U/G LINEWORK - PLAN & SECTIONS	70	BELL	4
ENG_BENCH	PROPOSED BENCH -PARK, BUS - PLAN	0	0	4
ENG_BOLLARD	PROPOSED BOLLARD - PLAN	0	0	0
ENG_BORDER	OUTSIDE BORDER OF SHEETS	0	0	15
ENG_BOREHOLE	BOREHOLE DATA - PLAN & PROFILE	0	0	0
ENG_BOULDER	PROPOSED BOULDER - LARGE DECORATIVE - PLAN	0	0	2
ENG_BOULEVARD	PROPOSED TOP/BOTTOM OF SLOPE ON EDGE OF BOULEVARD	0	1	0
ENG_BUSH-CON	PROPOSED CONIFEROUS BUSH - PLAN	231	0	4
ENG_BUSH-DEC	PROPOSED DECIDUOUS BUSH - PLAN	230	0	4
ENG_BUS-PAD	PROPOSED BUS PAD & WAITING AREA - PLAN	0	0	4
ENG_BUS-SHELTER	PROPOSED BUS SHELTER - PLAN	0	0	4
ENG_CB	PROPOSED CATCHBASIN - PLAN	0	0	0
ENG_CBMH	PROPOSED CATCHBASIN MAINTENANCE HOLE - PLAN	0	0	0
ENG_CB-SIDEINLET	PROPOSED SIDE INLET CATCHBASIN - PLAN	0	0	0
ENG_CC	PROPOSED CUTCROSS - PLAN	0	0	0
ENG_CONTPRO-MAJ	PROPOSED CONTOURS - MAJOR - PLAN	0	0	3
ENG_CONTPRO-MIN	PROPOSED CONTOURS - MINOR - PLAN	3	0	1
ENG_CROWN-RD	PROPOSED CROWN OF ROADWAY - PLAN & PROFILE	0	4	2
ENG_CULVERT	PROPOSED CULVERT - PLAN, PROFILE & SECTIONS	0	2	5
ENG_CURB	PROPOSED PARKING CURBSTOP, CURB CUT - PLAN	0	0	3
ENG_CURB-BACK	PROPOSED BACK of CURB - PLAN	0	0	4
ENG_CURB-FACE	PROPOSED FACE of CURB - PLAN	5	0	0
ENG_CURB-GUT	PROPOSED CURB GUTTER - PLAN	5	0	0
ENG_DCB	PROPOSED CATCHBASIN - DOUBLE - PLAN	0	0	0
ENG_DCB-SIDEINLET	PROPOSED SIDE INLET DOUBLE CATCHBASIN - PLAN	0	0	0
ENG_DETAILS	DETAIL I.E. SANDBAG DAMS, CHECK DAMS, ISLAND DETAILS...	0	0	2
ENG_DICB-ANGLED	PROPOSED ANGLED DITCH INLET CATCHBASIN - PLAN	0	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
ENG_DICB-FLAT	PROPOSED FLAT DITCH INLET CATCHBASIN - PLAN	0	0	0
ENG_DIMENSIONS	DIMENSIONS TAPERS DETAILS etc	0	0	6
ENG_DITCH	PROPOSED DITCH LINE - PLAN & PROFILE	124	4	3
ENG_DRIVEWAY	PROPOSED DRIVEWAY - PLAN	0	0	2
ENG_EDGE-WATER	PROPOSED EDGE OF WATER - POND, RIVER - PLAN	124	0	3
ENG_EPAVT	PROPOSED EDGE OF PAVEMENT - PLAN	0	0	4
ENG_FDC	PROPOSED STORM - FOUNDATION DRAIN COLLECTOR - PLAN	0	0	0
ENG_FENCE	PROPOSED FENCE - PLAN & SECTIONS	0	CLF	2
ENG_FENCE_SILT	PROPOSED SILT FENCE - PLAN & SECTIONS	0	6	4
ENG_FENCE-GATE	PROPOSED FENCE GATE POST - PLAN	0	0	2
ENG_GABION	PROPOSED GABION BASKET - PLAN & SECTIONS	4	0	2
ENG_GARDEN	PROPOSED GARDEN LINEWORK - PLAN & SECTIONS	146	0	1
ENG_GAS	PROPOSED GAS APPURTENANCES - PLAN & PROFILE	3	0	0
ENG_GAS-UTIL	PROPOSED GAS U/G LINEWORK - PLAN & SECTIONS	3	GAS	4
ENG_GRADING	PROPOSED LIMIT OF GRADING - PLAN	87	GRADING	6
ENG_GRID	INTERIOR SECTIONS GRID & PROFILE GRID	0	1	0
ENG_GRIDBORDER	LEFT/RIGHT/BOTTOM GRID LINES FOR SECTIONS AND PROFILE	0	0	3
ENG_GUIDERAIL-BEAM	PROP STEEL BEAM GUIDE RAIL - PLAN & SECTIONS	0	GUARD	4
ENG_GUIDERAIL-CABLE	PROP CABLE GUIDE RAIL - PLAN & SECTIONS	0	GUARD	4
ENG_HEADWALL	PROP HEADWALL - PLAN & SECTIONS	0	0	3
ENG_HYDRO	PROPOSED HYDRO APPURTENANCES - PLAN & PROFILE	157	0	0
ENG_HYDRO-TELE	PROP HYDROONE TELECOM U/G LINES - PLAN & SECTIONS	157	HYDRO-1-T	4
ENG_HYDRO-UTIL	PROP HYDROONE BRAMPTON U/G LINES - PLAN & SECTIONS	157	HYDRO-1-B	4
ENG_HZC	HORIZONTAL CONTROL - PLAN	0	0	1
ENG_ISSUED_30 PERCENT	TEXT FOR 30 PERCENT SUBMISSION	0	0	0
ENG_ISSUED_60 PERCENT	TEXT FOR 60 PERCENT SUBMISSION	0	0	0
ENG_ISSUED_90 PERCENT	TEXT FOR 90 PERCENT SUBMISSION	0	0	0
ENG_ISSUED_100 PERCENT	TEXT FOR 100 PERCENT SUBMISSION	0	0	0
ENG_ISSUED_CONSTRUCTION	TEXT FOR ISSUED FOR CONSTRUCTION	0	0	0
ENG_ISSUED_TENDER	TEXT FOR ISSUED FOR TENDER	0	0	0
ENG_KEY	KEY PLAN	0	0	0
ENG_KILLSTRIP	PROPOSED KILLSTRIP - PLAN	0	0	4
ENG_LANE	PROPOSED LANE MARKINGS - PLAN	0	2	1
ENG_LANEWAY	PROPOSED LANEWAY - PLAN	0	2	1
ENG_LEGEND	LEGEND AND NOTES BORDER, LINEWORK - PLAN	0	0	5
ENG_LIMITS	LIMIT OF CONTRACT LINEWORK	0	0	20
ENG_LOGO	LOGO	0	0	0
ENG_MAIL	PROPOSED MAILBOX - PLAN	0	0	2

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The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
ENG_MATCH	MATCH LINE	0	5	2
ENG_MULTI-TRAIL	PROPOSED MULTI USE TRAIL, BIKE TRAIL - PLAN	0	0	4
ENG_NOISEWALL	PROPOSED NOISEWALL – ALL MATERIALS – PLAN & SECTIONS	0	CLF	5
ENG_NOTES	MISC NOTES & LABELS THAT DON'T FALL UNDER OTHER LEVELS	0	0	0
ENG_POND	ALL LINEWORK WITHIN THE PERIMETER OF A POND	0	0	3
ENG_PT_GROUND	POINTS	0	0	0
ENG_PYCB	PROPOSED PYRAMID CB	0	0	0
ENG_REMOVALS	REMOVALS X-OUT TREES ETC - PLAN	0	0	0
ENG_REMOVALS-AREA	HARD SURFACE REMOVALS-SIDEWALK, ASPHALT...	235	0	0
ENG_REMOVALS-LINEAR	REMOVALS - FENCING, CSPs ETC - PLAN	0	REMOVE	0
ENG_REMOVALS-RELOCATE	RELOCATION - ENCIRCLE ABOVE GROUND STRUCTURES - PLAN	0	2	2
ENG_RET-WALL	PROP RETAINING WALL - PLAN & SECTIONS	0	0	3
ENG_REVISIONS	CLOUD FOR REVISION LOCATION	4	0	5
ENG_RIPRAP	PROP RIPRAP - PLAN	4	0	3
ENG_SANI	PROPOSED SANITARY APPURTENANCES - PLAN & PROFILE	0	0	0
ENG_SANI-UTIL	PROPOSED SANITARY SEWER UNDERGROUND LINEWORK - PLAN & SECTIONS	0	0	4
ENG_SHOULDER	PROPOSED EDGE OF SHOULDER - PLAN	0	0	2
ENG_SIDEWALK	PROPOSED CONC SIDEWALK - PLAN	0	0	4
ENG_SIGN	PROPOSED SIGN - PLAN	0	0	2
ENG_SIGN-COM	PROPOSED SIGN - COMMERCIAL - PLAN	0	0	2
ENG_SLOPE-B	PROPOSED BOTTOM OF SLOPE - PLAN	119	0	3
ENG_SLOPE-T	PROPOSED TOP OF SLOPE - PLAN	139	0	3
ENG_STORM	PROPOSED STORM INFORMATION - PROFILE	0	0	4
ENG_STORM-AREA	PROPOSED STORM CATCHMENT AREA - PLAN	0	7	10
ENG_STORM-MH	PROPOSED STORM APPURTENANCES - PLAN	0	0	0
ENG_STORM-UTIL	PROPOSED STORM SEWER U/G LINEWORK - PLAN & SECTIONS	0	0	10
ENG_STRUCTURE-B	PROPOSED BOTTOM OF STRUCTURE - PLAN AND SECTIONS	0	1	3
ENG_STRUCTURE-T	PROPOSED TOP OF STRUCTURE - PLAN & SECTIONS	0	0	3
ENG_SURFACE-PROF	PROPOSED SURFACE IN PROFILE and SECTIONS	0	0	4
ENG_SWALE	PROPOSED SWALE LINE - PLAN & PROFILE	124	4	3
ENG_TCS	PROPOSED TRAFFIC APPURTENANCES - PLAN & PROFILE	0	0	0
ENG_TCS-UTIL	PROPOSED TRAFFIC U/G LINEWORK - PLAN & SECTIONS	0	0	0
ENG_TIN-PRO	PROPOSED SURFACE TRIANGLES - PLAN	120	0	1
ENG_TITLEBLOCK	TITLEBLOCK LINEWORK, NORTH ARROW	0	0	1
ENG_TREE-CON	PROPOSED CONIFEROUS TREE - PLAN	231	0	0
ENG_TREE-DEC	PROPOSED DECIDUOUS TREE - PLAN	230	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
ENG_TV	PROPOSED TV OR ROGERS APPURTENANCES - PLAN & PROFILE	96	0	4
ENG_TV-UTIL	PROPOSED TV / ROGERS U/G LINEWORK - PLAN & SECTIONS	96	TV	4
ENG_VCB	PROPOSED V TYPE CATCHBASIN	0	0	0
ENG_WALKWAY	PROPOSED WALKWAY - PLAN	0	0	4
ENG_WALL	PROPOSED WALL – ENTRANCE FEATURE - PLAN & SECTIONS	0	0	3
ENG_WATER	PROPOSED WATER APPURTENANCES - PLAN & PROFILE	124	0	4
ENG_WATER-UTIL	PROPOSED WATER U/G LINEWORK - PLAN & SECTIONS	124	WATER	4
ENG_XBOUNDARY	PROPOSED EXTERIOR BOUNDARY	0	7	5
ENGINEERING/DESIGN TEMPLATE COMPONENT LEVELS				
ENG_COMP-ASPH PAVT	PROPOSED ASPHALT PAVEMENT COMPONENT - SECTIONS	0	0	0
ENG_COMP-CONC PAVT	PROP CONC. PAVEMENT (BUS BAY) COMPONENT - SECTIONS	0	0	0
ENG_COMP-CURB	PROPOSED CURB COMPONENT - SECTIONS	0	0	0
ENG_COMP-CUT	PROPOSED CUT COMPONENT - SECTIONS	152	0	0
ENG_COMP-DITCH	PROPOSED DITCH COMPONENT - SECTIONS	124	0	0
ENG_COMP-FILL	PROPOSED FILL COMPONENT - SECTIONS	87	0	0
ENG_COMP-GRANULAR	PROPOSED GRANULAR COMPONENT - SECTIONS	0	0	0
ENG_COMP-ISLAND	PROPOSED ISLAND COMPONENT - SECTIONS	0	0	0
ENG_COMP-KILLSTRIP	PROPOSED KILLSTRIP COMPONENT - SECTIONS	0	0	0
ENG_COMP-LIMESTONE	PROPOSED LIMESTONE COMPONENT - SECTIONS	96	0	0
ENG_COMP-MULTI-TRAIL	PROPOSED TRAIL/BIKEPATH COMPONENT - SECTIONS	0	0	0
ENG_COMP-SHOULDER	PROPOSED SHOULDER COMPONENT - SECTIONS	0	0	0
ENG_COMP-SIDEWALK	PROPOSED SIDEWALK COMPONENT - SECTIONS	0	0	0
ENG_COMP-TERRACE	PROPOSED BOULEVARD COMPONENT - SECTIONS	5	0	0
ENGINEERING/DESIGN SHADING/HATCHING LEVELS				
HATCH' = Hatch, Crosshatch or Pattern name, 'OPAQUE' = Solid Shape PA=Pattern Angle PS=Pattern Scale PD=Pattern Delta (spacing) AZ=Active Z Value --- Shading is set up for 1:500 Scale Drawings				
ENG_SH_ASPHALT	PROPOSED SHADING FOR ASPH SURFACE - PLAN - Opaque Shape - AZ= -15	235	0	0
ENG_SH_CONCRETE	PROPOSED CONCRETE AREA PATTERN (INCLUDES BUS BAY) - PLAN - HATCH, PA=45, PS=1, PD=0.5, AZ= -5	3	0	1
ENG_SH_DRIVEWAY	PROPOSED DRIVEWAY PATTERN - PLAN - 'ASPH', PA=0, REINSTATEMENT->PS=1.0 RELOCATION or NEW->PS=0.5, PD=0, AZ= -5	0	0	1
ENG_SH_GABION	PROPOSED GABION HATCH PATTERN - PLAN - 'GABION', PA=0, PS=0.5, PD=0, AZ= -5	4	0	1
ENG_SH_GRASS	PROPOSED GRASSED AREA PATTERN - PLAN - 'GRASS', PA=0, PS=1.0, PD=0, AZ= -5	246	0	1
ENG_SH_GRIND	PROPOSED HATCH FOR ASPHALT GRIND SURFACE - PLAN - HATCH, PA=-45, PS=1.0, PD=0.75, AZ= -5	0	0	2

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
ENG_SH_IMPRESSED	PROPOSED IMPRESSED CONC PATTERN - PLAN - 'CONC_T', PA=30, PS=2.0, PD=0, AZ= -5	3	0	1
ENG_SH_ISLAND	PROPOSED SHADING FOR ISLAND SURFACE - PLAN - Opaque Shape - AZ= -10 [Can also be used behind text within patterned areas - AZ=-4]	250	0	0
ENG_SH_KILLSTRIP	PROPOSED CONCRETE KILLSTRIP and MEDIAN PATTERN - PLAN - 'CONCRT', PA=0, PS=0.5, PD=0, AZ= -5	3	0	0
ENG_SH_MULTI-TRAIL	PROPOSED ASPH MULTI-USE TRAIL OR WALKWAY HATCH PATTERN - PLAN - CROSSHATCH, PA=45 / -45, PS=1, PA=0.3 / 0.3, AZ= -5	32	0	0
ENG_SH_RIPRAP	PROPOSED RIP RAP AREA PATTERN - PLAN - 'GRAVEL', PA=0, PS=1.0, PD=0, AZ= -5	4	0	1
ENG_SH_SANI	PROPOSED SANITARY PIPE HATCH - PROFILE - HATCH, PA= -60, PS=1, PD=1.0, AZ= -5	3	0	1
ENG_SH_SIDEWALK	PROPOSED SIDEWALK HATCH PATTERN (INCLUDES BUS PAD) - PLAN - HATCH, PA= -45, PS=1, PD=0.3, AZ= -5	3	0	1
ENG_SH_STORM	PROPOSED STORM PIPE HATCH - PROFILE - HATCH, PA=60, PS=1, PD=1.0, AZ= -5	3	0	1
ENG_SH_WATER	PROPOSED WATERMAIN PIPE HATCH - PROFILE - HATCH, PA= -60, PS=1, PD=0.5, AZ= -5	3	0	1
ENGINEERING/DESIGN AND SHEET TEXT				
ENG_TX_ALIGNMENT	NOTES AND LABELS - STATIONING	0	0	0
ENG_TX_APRON	NOTES AND LABELS	0	0	0
ENG_TX_ASHCURB-FACE	NOTES AND LABELS	0	0	0
ENG_TX_BARRIER	NOTES AND LABELS	0	0	0
ENG_TX_BELL	NOTES AND LABELS	70	0	0
ENG_TX_BELL-UTIL	NOTES AND LABELS	70	0	0
ENG_TX_BENCH	NOTES AND LABELS	0	0	0
ENG_TX_BOLLARD	NOTES AND LABELS	0	0	0
ENG_TX_BORDER	DRAWING & SHEET NO.	0	0	0
ENG_TX_BOREHOLE	NOTES AND LABELS	0	0	0
ENG_TX_BOULDER	NOTES AND LABELS	0	0	0
ENG_TX_BOULEVARD	NOTES AND LABELS	0	0	0
ENG_TX_BUSH-CON	NOTES AND LABELS	231	0	0
ENG_TX_BUSH-DEC	NOTES AND LABELS	230	0	0
ENG_TX_BUS-PAD	NOTES AND LABELS	0	0	0
ENG_TX_BUS-SHELTER	NOTES AND LABELS	0	0	0
ENG_TX_CB	NOTES AND LABELS	0	0	0
ENG_TX_CBMH	NOTES AND LABELS	0	0	0
ENG_TX_CB-SIDEINLET	NOTES AND LABELS	0	0	0
ENG_TX_CC	NOTES AND LABELS	0	0	0
ENG_TX_CONTPRO-MAJ	NOTES AND LABELS	0	0	0
ENG_TX_CONTPRO-MIN	NOTES AND LABELS	0	0	0
ENG_TX_CROWN-RD	NOTES AND LABELS	0	0	0
ENG_TX_CULVERT	NOTES AND LABELS	0	0	0

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Name	Description	Colour	Line Style	Weight
ENG_TX_CURB	NOTES AND LABELS	0	0	0
ENG_TX_DCB	NOTES AND LABELS	0	0	0
ENG_TX_DCB-SIDEINLET	NOTES AND LABELS	0	0	0
ENG_TX_DETAILS	DIMENSIONS AND TEXT IN DETAIL DRAWINGS	0	0	0
ENG_TX_DICB-ANGLED	NOTES AND LABELS	0	0	0
ENG_TX_DICB-FLAT	NOTES AND LABELS	0	0	0
ENG_TX_DIMENSIONS	NOTES AND LABELS	0	0	6
ENG_TX_DITCH	NOTES AND LABELS	124	0	0
ENG_TX_DRIVEWAY	NOTES AND LABELS	0	0	0
ENG_TX_EDGE-WATER	NOTES AND LABELS	124	0	0
ENG_TX_EPAVT	NOTES AND LABELS	0	0	0
ENG_TX_FDC	NOTES AND LABELS	0	0	0
ENG_TX_FENCE	NOTES AND LABELS	0	0	0
ENG_TX_FENCE-GATE	NOTES AND LABELS	0	0	0
ENG_TX_FENCE-SILT	NOTES AND LABELS	0	0	0
ENG_TX_GABION	NOTES AND LABELS	4	0	0
ENG_TX_GARDEN	NOTES AND LABELS	146	0	0
ENG_TX_GAS	NOTES AND LABELS	3	0	0
ENG_TX_GAS-UTIL	NOTES AND LABELS	3	0	0
ENG_TX_GRADING	NOTES AND LABELS	248	0	0
ENG_TX_GRID	LABELS/ELEV./TITLE/OFFSETS FOR SECTIONS AND PROFILE	0	0	0
ENG_TX_GROUND	NOTES AND LABELS	0	0	0
ENG_TX_GUIDERAIL-BEAM	NOTES AND LABELS	0	0	0
ENG_TX_GUIDERAIL-CABLE	NOTES AND LABELS	0	0	0
ENG_TX_HEADWALL	NOTES AND LABELS	0	0	0
ENG_TX_HYDRO	NOTES AND LABELS	157	0	0
ENG_TX_HYDRO-TELE	NOTES AND LABELS	157	0	0
ENG_TX_HYDRO-UTIL	NOTES AND LABELS	157	0	0
ENG_TX_HZC	NOTES AND LABELS	0	0	0
ENG_TX_KEY	TEXT IN KEY PLAN - PLAN	0	0	0
ENG_TX_KILLSTRIP	NOTES AND LABELS	0	0	0
ENG_TX_LANE	NOTES AND LABELS	0	0	0
ENG_TX_LANEWAY	NOTES AND LABELS	0	0	0
ENG_TX_LEGEND	LEGEND AND NOTES TEXT	0	0	0
ENG_TX_LIMITS	LIMIT OF CONTRACT	0	0	0
ENG_TX_LOGO	LOGO TEXT	0	0	0
ENG_TX_MAIL	NOTES AND LABELS	0	0	0
ENG_TX_MATCH	MATCH LINE TEXT	0	0	0
ENG_TX_MULTI-TRAIL	NOTES AND LABELS	0	0	0
ENG_TX_NOISEWALL	NOTES AND LABELS	0	0	0

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Name	Description	Colour	Line Style	Weight
ENG_TX_POND	NOTES AND LABELS	0	0	0
ENG_TX_PYCB	NOTES AND LABELS	0	0	0
ENG_TX_REMOVALS	NOTES AND LABELS	0	0	0
ENG_TX_REMOVALS-LINEAR	NOTES AND LABELS	0	0	0
ENG_TX_REMOVALS-RELOCATE	NOTES AND LABELS	0	0	0
ENG_TX_RET-WALL	NOTES AND LABELS	0	0	0
ENG_TX_REVISIONS	TEXT AND SHAPE FOR REV NUMBERS	4	0	4
ENG_TX_RIPRAP	NOTES AND LABELS	4	0	0
ENG_TX_SANI	NOTES AND LABELS	0	0	0
ENG_TX_SANI-UTIL	NOTES AND LABELS	0	0	0
ENG_TX_SHOULDER	NOTES AND LABELS	0	0	0
ENG_TX_SIDEWALK	NOTES AND LABELS	0	0	0
ENG_TX_SIGN	NOTES AND LABELS	0	0	0
ENG_TX_SIGN-COM	NOTES AND LABELS	0	0	0
ENG_TX_SLOPE-B	NOTES AND LABELS	0	0	0
ENG_TX_SLOPE-T	NOTES AND LABELS	0	0	0
ENG_TX_STORM	NOTES AND LABELS	0	0	0
ENG_TX_STORM-AREA	NOTES AND LABELS	0	0	0
ENG_TX_STORM-MH	NOTES AND LABELS	0	0	0
ENG_TX_STORM-UTIL	NOTES AND LABELS	0	0	0
ENG_TX_STRUCTURE-B	NOTES AND LABELS	0	0	0
ENG_TX_STRUCTURE-T	NOTES AND LABELS	0	0	0
ENG_TX_SURFACE-PROF	NOTES AND LABELS	0	0	0
ENG_TX_SWALE	NOTES AND LABELS	124	0	0
ENG_TX_TCS	NOTES AND LABELS	0	0	0
ENG_TX_TCS-UTIL	NOTES AND LABELS	0	0	0
ENG_TX_TIN-PRO	NOTES AND LABELS	0	0	0
ENG_TX_TITLEBLOCK	STREET NAME & DESC., PROJ. #, SCALE, DATES & NAMES	0	0	0
ENG_TX_TITLE-DESC	DESCRIPTION ie "PROPOSED RECONSTRUCTION", "DETAILS"	0	0	0
ENG_TX_TITLE-REV	REVISION AND ""ISSUED FOR.."" NOTES	0	0	0
ENG_TX_TREE-CON	NOTES AND LABELS	231	0	0
ENG_TX_TREE-DEC	NOTES AND LABELS	230	0	0
ENG_TX_TV	NOTES AND LABELS	96	0	0
ENG_TX_TV-UTIL	NOTES AND LABELS	96	0	0
ENG_TX_VCB	NOTES AND LABELS	0	0	0
ENG_TX_WALKWAY	NOTES AND LABELS	0	0	0
ENG_TX_WALL	NOTES AND LABELS	0	0	0
ENG_TX_WATER	NOTES AND LABELS	124	0	0
ENG_TX_WATER-UTIL	NOTES AND LABELS	124	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
WORKING/CONSTRUCTION/GUIDELINE LEVELS				
_PRINT FULLSIZE	Print border for Full Size (24x36) [NON PRINTING]	6	1	5
_PRINT HALFSIZE	Print border for Half Size (11x17) [NON PRINTING]	4	1	5
-SCRAP	Respository for Ghost/Residual Elements [NON PRINTING]	0	0	0
ENG_WK_BREAKLINES	BREAKLINES IMPORTED FOR SURFACE WORK	115	0	3
ENG_WK_GROUND	GROUND SHOTS IMPORTED FOR SURFACE WORK	55	0	1
ENG_WK_MISC-1	MISCELLANEOUS WORKING LEVEL	0	0	1
ENG_WK_MISC-10	MISCELLANEOUS WORKING LEVEL	89	0	10
ENG_WK_MISC-2	MISCELLANEOUS WORKING LEVEL	1	0	2
ENG_WK_MISC-3	MISCELLANEOUS WORKING LEVEL	2	0	3
ENG_WK_MISC-4	MISCELLANEOUS WORKING LEVEL	3	0	4
ENG_WK_MISC-5	MISCELLANEOUS WORKING LEVEL	4	0	5
ENG_WK_MISC-6	MISCELLANEOUS WORKING LEVEL	5	0	6
ENG_WK_MISC-7	MISCELLANEOUS WORKING LEVEL	6	0	7
ENG_WK_MISC-8	MISCELLANEOUS WORKING LEVEL	87	0	8
ENG_WK_MISC-9	MISCELLANEOUS WORKING LEVEL	88	0	9
MISC	MISCELLANEOUS WORKING LEVEL	0	0	0
ALTERNATE SOURCE / AS CONSTRUCTED LEVELS				
GIS_ALIGNMENT	BASELINE ALIGNMENTcenterline	246	4	3
GIS_APRON	CONC APRON	2	0	0
GIS_BARRIER	BARRIER (JERSEY / ARMOURSTONE)	100	0	0
GIS_BELL	BELL APPURTENANCES	70	0	0
GIS_BENCH	BENCH (PARK / BUS)	246	0	0
GIS_BLANK	BLANK (MISC SINGLE FEATURE)	0	0	0
GIS_BLANKLINE	BLANK (MISC LINE FEATURE)	0	0	0
GIS_BOREHOLE	BOREHOLE DATA	0	0	0
GIS_BOULDER	BOULDER - LARGE DECORATIVE	0	0	0
GIS_BUILDING	BUILDING	246	0	0
GIS_CB	CATCHBASIN	112	0	0
GIS_CONTOG-MAJ	CONTOURS OG MAJOR	4	0	3
GIS_CONTOG-MIN	CONTOURS OG MAJOR	16	0	1
GIS_CROWN-RD	CROWN OF ROADWAY	4	0	0
GIS_CSP	CULVERT	4	3	3
GIS_CURB	CURB	4	0	0
GIS_CURBSTOP	CURBSTOP PARKING	4	2	0
GIS_DITCH	DITCH LINE	124	4	0
GIS_DRIVEWAY	DRIVEWAY	100	0	0
GIS_EDGE-WATER	EDGE OF WATER (POND / RIVER)	124	0	0
GIS_EPAVT	EDGE OF PAVEMENT	115	0	0

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Name	Description	Colour	Line Style	Weight
GIS_EXPANSION-JOINT	BRIDGE EXPANSION JOINT	5	0	2
GIS_FENCE	FENCE	100	CLF	0
GIS_FENCE-GATE	FENCE GATE POST	100	0	0
GIS_GABION	GABION BASKET	66	0	0
GIS_GARDEN	GARDEN	245	0	1
GIS_GAS	GAS APPURTENANCES	3	0	0
GIS_GROUND	GROUND SHOTS	3	0	0
GIS_GUIDERAIL	GUIDE RAIL	115	7	0
GIS_GUTT	CURB GUTTER	4	0	0
GIS_GUY POLE	GUY POLE	247	0	0
GIS_GUY WIRE	GUY WIRE	247	0	0
GIS_HEADWALL	HEADWALL	231	0	0
GIS_HYDRO	HYDRO APPURTENANCES	246	0	0
GIS_KILLSTRIP	KILLSTRIP	116	0	0
GIS_LEGAL	LEGAL MONUMENTS	43	0	0
GIS_LP	LIGHT POLE	246	0	0
GIS_MAIL	MAILBOX	20	0	0
GIS_MH_SAN	SANITARY MAINTENANCE HOLE	4	0	0
GIS_MH_STM	STORM MAINTENANCE HOLE	4	0	0
GIS_NOISEWALL	NOISEWALL – ANY MATERIAL	100	CLF	0
GIS_OG_TIN	TIN ORIGINAL GROUND (TRIANGLES)	1	0	0
GIS_PARKING_LOT	EDGE OF PARKING LOT SURFACE	87	0	0
GIS_PCTRL	PROJECT CONTROL	43	0	0
GIS_PMK_LANE	LANE MARKINGS	0	2	0
GIS_POND	ALL LINEWORK WITHIN THE PERIMETER OF A POND	0	0	0
GIS_PT_GROUND	POINTS	3	0	0
GIS_PYCB	CATCHBASIN - PYRAMID	112	0	0
GIS_RAILROAD	RAILROAD TRACKS	224	0	0
GIS_RASTER	RASTER ATTACHMENTS	0	0	0
GIS_REFPT	REFERENCE POINT	43	0	0
GIS_RET-WALL	RETAINING WALL	3	0	0
GIS_RIPRAP	RIPRAP	66	0	0
GIS_SHELTER	BUS SHELTER/PAD	246	0	0
GIS_SHOULDER	SHOULDER	4	0	0
GIS_SIDEWALK	SIDEWALK	116	0	0
GIS_SIGN	SIGN	208	0	0
GIS_SLOPE-B	BOTTOM OF SLOPE	99	2	0
GIS_SLOPE-T	TOP OF SLOPE	98	0	0
GIS_STRUCTURE-B	BOTTOM OF STRUCTURE	5	1	0
GIS_STRUCTURE-T	TOP OF STRUCTURE	5	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
GIS_TRAFFIC	TRAFFIC	3	0	0
GIS_TV	TV OR ROGERS	96	0	0
GIS_VEG	VEGETATION WOODLOT OR HEDGE	230	0	0
GIS_WALKWAY	WALKWAY	116	0	0
GIS_WALL	WALL - ENTRANCE FEATURE	100	0	0
GIS_WATER	WATER	104	0	0
ALTERNATE SOURCE / AS CONSTRUCTED POINTS				
GIS_PT_BLANK	POINTS	0	0	0
GIS_PT_BREAKLINES	POINTS	35	0	1
GIS_PT_GRID	POINTS	35	0	1
ALTERNATE SOURCE / AS CONSTRUCTED TEXT				
GIS_TX_ALIGNMENT	NOTES AND LABELS	246	4	3
GIS_TX_APRON	NOTES AND LABELS	2	0	0
GIS_TX_BARRIER	NOTES AND LABELS	100	0	0
GIS_TX_BELL	NOTES AND LABELS	70	0	0
GIS_TX_BENCH	NOTES AND LABELS	246	0	0
GIS_TX_BLANK	NOTES AND LABELS	0	0	0
GIS_TX_BLANKLINE	NOTES AND LABELS	0	0	0
GIS_TX_BOREHOLE	NOTES AND LABELS	0	0	0
GIS_TX_BOULDER	NOTES AND LABELS	0	0	0
GIS_TX_BUILDING	NOTES AND LABELS	246	0	0
GIS_TX_BUS	NOTES AND LABELS	246	0	0
GIS_TX_CB	NOTES AND LABELS	112	0	0
GIS_TX_CONTOG-MAJ	NOTES AND LABELS	4	0	3
GIS_TX_CONTOG-MIN	NOTES AND LABELS	16	0	1
GIS_TX_CROWN-RD	NOTES AND LABELS	4	0	0
GIS_TX_CSP	NOTES AND LABELS	4	3	3
GIS_TX_CURB	NOTES AND LABELS	4	0	0
GIS_TX_CURBSTOP	NOTES AND LABELS	4	2	0
GIS_TX_DITCH	NOTES AND LABELS	124	4	0
GIS_TX_DRIVEWAY	NOTES AND LABELS	100	0	0
GIS_TX_EDGE-WATER	NOTES AND LABELS	124	0	0
GIS_TX_EPAVT	NOTES AND LABELS	115	0	0
GIS_TX_EXPANSION-JOINT	NOTES AND LABELS	5	0	2
GIS_TX_FENCE	NOTES AND LABELS	100	CLF	0
GIS_TX_FENCE-GATE	NOTES AND LABELS	100	0	0
GIS_TX_GABION	NOTES AND LABELS	66	0	0
GIS_TX_GARDEN	NOTES AND LABELS	245	0	1
GIS_TX_GAS	NOTES AND LABELS	3	0	0
GIS_TX_GROUND	NOTES AND LABELS	3	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn

Name	Description	Colour	Line Style	Weight
GIS_TX_GUIDERAIL	NOTES AND LABELS	115	7	0
GIS_TX_GUTT	NOTES AND LABELS	4	0	0
GIS_TX_GUY POLE	NOTES AND LABELS	247	0	0
GIS_TX_GUY WIRE	NOTES AND LABELS	247	0	0
GIS_TX_HEADWALL	NOTES AND LABELS	231	0	0
GIS_TX_HYDRO	NOTES AND LABELS	246	0	0
GIS_TX_KILLSTRIP	NOTES AND LABELS	116	0	0
GIS_TX_LEGAL	NOTES AND LABELS	43	0	0
GIS_TX_LP	NOTES AND LABELS	246	0	0
GIS_TX_MAIL	NOTES AND LABELS	20	0	0
GIS_TX_MH_SAN	NOTES AND LABELS	4	0	0
GIS_TX_MH_STM	NOTES AND LABELS	4	0	0
GIS_TX_NOISEWALL	NOTES AND LABELS	100	0	0
GIS_TX_OG_TIN	NOTES AND LABELS	1	0	0
GIS_TX_PCTRL	NOTES AND LABELS	43	0	0
GIS_TX_PMK_LANE	NOTES AND LABELS	0	2	0
GIS_TX_POND	NOTES AND LABELS	100	0	0
GIS_TX_PYCB	NOTES AND LABELS	112	0	0
GIS_TX_RAILROAD	NOTES AND LABELS	224	0	0
GIS_TX_REFPT	NOTES AND LABELS	43	0	0
GIS_TX_RET-WALL	NOTES AND LABELS	3	0	0
GIS_TX_RIPRAP	NOTES AND LABELS	66	0	0
GIS_TX_SHOULDER	NOTES AND LABELS	4	0	0
GIS_TX_SIDEWALK	NOTES AND LABELS	116	0	0
GIS_TX_SIGN	NOTES AND LABELS	208	0	0
GIS_TX_SLOPE-B	NOTES AND LABELS	99	2	0
GIS_TX_SLOPE-T	NOTES AND LABELS	98	0	0
GIS_TX_STRUCTURE-B	NOTES AND LABELS	5	1	0
GIS_TX_STRUCTURE-T	NOTES AND LABELS	5	0	0
GIS_TX_TRAFFIC	NOTES AND LABELS	3	0	0
GIS_TX_TV	NOTES AND LABELS	96	0	0
GIS_TX_VEG	NOTES AND LABELS	230	0	0
GIS_TX_WALKWAY	NOTES AND LABELS	116	0	0
GIS_TX_WALL	NOTES AND LABELS	100	0	0
GIS_TX_WATER	NOTES AND LABELS	104	0	0
PAVEMENT MARKINGS LEVELS				
PMK_CENTRELINE	LANE MARKINGS	2	0	1
PMK_LANE	LANE MARKINGS	2	0	0
PMK_LANE_1-1	LANE MARKINGS	2	03-Mar	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
PMK_LANE_3-3	LANE MARKINGS	2	03-Mar	0
PMK_LANE_3-6	LANE MARKINGS	2	06-Mar	0
PMK_LANE-ARROW	TURNING ARROWS	2	0	0
PMK_LANE-LABEL	LANE IDENTIFIERS	2	0	0
PMK_LANE-REMOVALS	LANE MARKINGS TO BE REMOVED	208	0	0
PMK_LANE-SYMBOL	LANE SYMBOLS	2	0	0
PMK_LEGEND	LEGEND OUTLINE	0	0	0
PMK_SIGN-LABEL	SIGN SYMBOLS	0	0	0
PMK_TRAFFIC-SIGN	TRAFFIC SIGN	2	0	0
PAVEMENT MARKINGS TEXT				
PMK_TX_CENTRELINE	NOTES AND LABELS	2	0	0
PMK_TX_LANE	NOTES AND LABELS	2	0	0
PMK_TX_LANE_1-1	NOTES AND LABELS	2	0	0
PMK_TX_LANE_3-3	NOTES AND LABELS	2	0	0
PMK_TX_LANE_3-6	NOTES AND LABELS	2	0	0
PMK_TX_LANE-ARROW	NOTES AND LABELS	2	0	0
PMK_TX_LANE-LABEL	NOTES AND LABELS	2	0	0
PMK_TX_LANE-REMOVALS	NOTES AND LABELS	208	0	0
PMK_TX_LANE-SYMBOL	NOTES AND LABELS	2	0	0
PMK_TX_LEGEND	LEGEND TEXT	0	0	0
PMK_TX_SIGN-LABEL	NOTES AND LABELS	0	0	0
PMK_TX_TRAFFIC-SIGN	NOTES AND LABELS	2	0	0
CONSERVATION AUTHORITY INFORMATION LEVELS				
RCA_FILL_LINE	REGIONAL CONSERVATION AUTHORITY FILL LINE - PLAN	253	0	1
RCA_FLOOD_LINE	REGIONAL CONSERVATION AUTHORITY FLOOD LINE - PLAN	124	0	2
RCA_REGULATION_LIMITS	REGIONAL CONS. AUTHORITY REGULATION LIMITS - PLAN	6	0	5
RCA_SH_REGULATION_LIMITS	REGIONAL CONSERVATION AUTHORITY LANDS HATCH, PA=90, PS=1, PD=6.0	6	0	0
CONSERVATION AUTHORITY TEXT				
RCA_TX_FILL_LINE	NOTES AND LABELS	253	0	0
RCA_TX_FLOOD_LINE	NOTES AND LABELS	124	0	0
RCA_TX_REGULATION_LIMITS	NOTES AND LABELS	6	0	0
PROPERTY INFORMATION LEVELS				
ROW_DEV_LOTLINES	DEVELOPER LOTLINES	80	3	5
ROW_DEV_ROW	DEVELOPER ROW	80	3	15
ROW_ENG_GUYING_EASEMENT	PROPOSED PERMANENT HYDRO GUYING EASEMENT	68	2	2
ROW_ENG_HYDRO_EASEMENT	PROPOSED PERMANENT EASEMENT LINEWORK ie HYDRO	68	2	10
ROW_ENG_LOTLINES	PROPOSED PROPERTY LINEWORK ie LOT LINES	80	0	5

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Name	Description	Colour	Line Style	Weight
ROW_ENG_PERM_EASEMENT	PROPOSED PERMANENT EASEMENT LINES ie FOR STRUCTURES	123	2	10
ROW_ENG_ROW	PROPOSED RIGHT OF WAY	80	2	15
ROW_EXROW	EXISTING STREETLINES - RIGHT OF WAY (TERANET LEVEL 1)	80	0	20
ROW_LOTLINES	EXISTING PROPERTY LOT LINES (TERANET LEVEL 1)	80	0	5
ROW_REFPLANS	REFERENCE PLANS (TERANET LEVEL 7)	4	2	0
ROW_REGPLANS	REGISTERED PLANS (TERANET LEVELS)	5	3	0
PROPERTY SHADING/HATCHING LAYERS				
ROW_ENG_SH_GUYING_EASEMENT	PROPOSED PERMANENT HYDRO GUYING EASEMENT, OPAQUE WITH HYDRO HATCH ON PRIVATE LANDS, OPAQUE SHAPE WITHOUT HATCH ON CITY LANDS	68	0	0
ROW_ENG_SH_HYDRO_EASEMENT	PROPOSED PERMANENT EASEMENT ie HYDRO, AERIAL, ON DEVELOPER/PRIVATE LANDS, HATCH, PA=45, PS=1, PD=1	68	0	2
ROW_ENG_SH_PERM_EASEMENT	PROPOSED PERMANENT EASEMENT ie STRUCTURES, DRAINAGE, CROSSHATCH, PA=45/-45, PS=1, PD=1/1	123	0	2
ROW_ENG_SH_ROW	PROPOSED RIGHT OF WAY (FEE SIMPLE) HATCH, PA=45, PS=1, PD=0.65	117	0	2
ROW_ENG_SH_TEMP_EASEMENT	PROPOSED TEMPORARY EASEMENT ie GRADING CROSSHATCH, PA=45/-45, PS=1.0, PD=1.5/1.5	212	0	0
ROW_ENG_TEMP_EASEMENT	PROPOSED TEMPORARY EASEMENT LINEWORK ie GRADING	230	2	10
PROPERTY TEXT				
ROW_ENG_TX_GUYING_EASEMENT	IDENTIFICATION OF TYPE OF EASEMENT ie HYDRO GUYING	68	0	0
ROW_ENG_TX_HYDRO_EASEMENT	IDENTIFICATION OF TYPE OF EASEMENT ie HYDRO AERIAL	68	0	0
ROW_ENG_TX_PERM_EASEMENT	IDENTIFICATION OF EASEMENT ie STRUCTURES, DRAINAGE	123	0	0
ROW_ENG_TX_PROPERTY	NOTES AND LABELS	0	0	0
ROW_ENG_TX_ROW	PROPOSED RIGHT OF WAY	0	0	0
ROW_ENG_TX_TEMP_EASEMENT	IDENTIFICATION OF TYPE OF EASEMENT ie GRADING	212	0	0
ROW_TX_OWNERS	OWNER INFORMATION	0	0	0
ROW_TX_PIN	9 DIGIT P.I.N. (TERANET LEVEL 17) , TXT=1.5	6	0	0
ROW_TX_REFPLANS	REFERENCE PLANS (TERANET LEVEL 8)	4	0	0
ROW_TX_REGPLANS	REGISTERED PLANS (TERANET LEVEL 6)	5	0	0
ROW_TX_STNAMES	EXISTING STREET NAME	80	0	0
STREET LIGHTING INFORMATION LEVELS				
STL_ABANDON	ABANDON	4	2	2
STL_BACKGUY	BACKGUY	3	0	2
STL_CONDUCTORS_OH	NEW OVERHEAD CONDUCTORS	90	0	2
STL_CONDUIT_UG_100mm	100mm CONDUIT	90	3	4
STL_CONDUIT_UG_50mm	50mm CONDUIT	90	2	4
STL_ELECTRICAL_CHAMBER	NEW ELECTRICAL CHAMBER	3	0	2

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Name	Description	Colour	Line Style	Weight
STL_EXIST_CONDUIT_UG_100mm	EXISTING 100mm CONDUIT	236	3	2
STL_EXIST_CONDUIT_UG_50mm	EXISTING 50mm CONDUIT	236	2	2
STL_EXISTING_CONDUCTORS_OH	EXISTING OVERHEAD CONDUCTORS	236	0	1
STL_EXISTING_ELECTRICAL_CHAMBER	EXISTING ELECTRICAL CHAMBER	236	0	0
STL_EXISTING_FIXTURES	EXISTING FIXTURES	236	0	0
STL_EXISTING_POLES	EXISTING POLES	236	0	0
STL_EXISTING_POWER_SUPPLY	EXISTING STREET LIGHT POWER	236	0	0
STL_EXISTING_TRANSFORMERS	EXISTING TRANSFORMERS	236	0	0
STL_FIXTURES	NEW FIXTURES	3	2	2
STL_FUSE	IN-LINE FUSE	3	0	2
STL_GND_PLATE	GROUND PLATE	3	0	2
STL_ID	STREET LIGHT IDENTIFICATION TAG	0	0	2
STL_POLES	NEW POLES	3	0	2
STL_POWER_SUPPLY	NEW STREET LIGHT POWER SUPPLY	3	0	2
STL_REMOVE	REMOVAL	4	0	2
STL_TRANSFORMERS	NEW TRANSFORMERS	3	0	2
STL_WIRING	WIRING	236	0	0
STREET LIGHTING TEXT				
STL_TX_ABANDON	ABANDON	4	0	0
STL_TX_BACKGUY	BACKGUY	3	0	0
STL_TX_CONDUCTORS_OH	NEW OVERHEAD CONDUCTORS	90	0	0
STL_TX_ELECTRICAL_CHAMBER	NEW ELECTRICAL CHAMBER	3	0	0
STL_TX_EXISTING_CONDUCTORS_OH	EXISTING OVERHEAD CONDUCTORS	236	0	0
STL_TX_EXISTING_ELECTRICAL_CHAMBER	EXISTING ELECTRICAL CHAMBER	236	0	0
STL_TX_EXISTING_FIXTURES	EXISTING FIXTURES	236	0	0
STL_TX_EXISTING_POLES	EXISTING POLES	236	0	0
STL_TX_EXISTING_POWER_SUPPLY	EXISTING STREET LIGHT POWER	236	0	0
STL_TX_EXISTING_TRANSFORMERS	EXISTING TRANSFORMERS	236	0	0
STL_TX_FIXTURES	NEW FIXTURES	3	0	0
STL_TX_FUSE	IN-LINE FUSE	3	0	0
STL_TX_GND_PLATE	GROUND PLATE	3	0	0
STL_TX_ID	STREET LIGHT IDENTIFICATION TAG	0	0	0
STL_TX_POLES	NEW POLES	3	0	0
STL_TX_POWER_SUPPLY	NEW STREET LIGHT POWER SUPPLY	3	0	0
STL_TX_REMOVE	REMOVAL	4	0	0
STL_TX_TRANSFORMERS	NEW TRANSFORMERS	3	0	0
SURVEYED INFORMATION LEVELS				
SVY_APRON	CONC APRON	2	0	0
SVY_BARRIER	BARRIER (JERSEY / ARMOURSTONE)	100	0	0

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Name	Description	Colour	Line Style	Weight
SVY_BELL	BELL	70	0	0
SVY_BENCH	BENCH (PARK / BUS)	253	0	0
SVY_BLANK	BLANK (MISC SINGLE FEATURE)	0	0	0
SVY_BOREHOLE	BOREHOLE DATA	0	0	0
SVY_BOULDER	BOULDER - LARGE DECORATIVE	140	0	0
SVY_BREAKLINES	BREAKLINES	99	2	0
SVY_BUILDING	BUILDING	253	0	0
SVY_CB	CATCHBASIN AT GUTTERLINE	112	0	0
SVY_CROSS_SEG	CROSSING SEGMENTS	3	0	0
SVY_CROWN-RD	CROWN OF ROADWAY	4	0	0
SVY_CSP	CSP, PVC OR CONC PIPE	4	3	3
SVY_CURB	FACE of CURB	4	0	0
SVY_CURBSTOP	CURBSTOP PARKING	4	2	0
SVY_DITCH	DITCH OR SWALE LINE	124	4	0
SVY_DRIVEWAY	DRIVEWAY	100	0	0
SVY_EDGE-WATER	EDGE OF WATER (POND / RIVER)	124	0	0
SVY_EPAVT	EDGE OF PAVEMENT	115	0	0
SVY_EXPANSION-JOINT	BRIDGE EXPANSION JOINT	253	0	2
SVY_FENCE	FENCE	100	CLF	0
SVY_FENCE-GATE	FENCE GATE POST	100	0	0
SVY_GABION	GABION BASKET	66	0	0
SVY_GARDEN	GARDEN	245	0	1
SVY_GAS	GAS	70	0	0
SVY_GROUND	GROUND SHOTS	220	0	0
SVY_GUIDERAIL	GUIDE RAIL	115	7	0
SVY_GUTT	CURB GUTTER	4	0	0
SVY_GUY_POLE	GUY POLE	70	0	0
SVY_GUY_WIRE	GUY WIRE	70	0	0
SVY_HEADWALL	HEADWALL	253	0	0
SVY_HYDRO	HYDRO JUNCTION BOX	70	0	0
SVY_KILLSTRIP	KILLSTRIP	116	0	0
SVY_LAYOUT-STAKE	LAYOUT STAKE	43	0	0
SVY_LEGAL	LEGAL MONUMENTS	4	0	0
SVY_LP	LIGHT POLE	70	0	0
SVY_MH	MAN HOLE - STORM, SANITARY OR FDC	112	0	0
SVY_MH_FDC	MAN HOLE - FDC	112	0	0
SVY_MH_SAN	MAN HOLE - SANITARY	112	0	0
SVY_MH_STM	MAN HOLE - STORM	112	0	0
SVY_NOISEWALL	NOISEWALL – ANY MATERIAL	100	CLF	0
SVY_OGCONT-MAJ	CONTOURS OG MAJOR	4	0	3

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
SVY_OGCONT-MIN	CONTOURS OG MINOR	16	0	1
SVY_OG-TIN	ORIGINAL SURFACE TRIANGLES	1	0	0
SVY_PCTRL	PROJECT CONTROL	43	0	0
SVY_PMK_LANE	LANE MARKINGS	0	2	0
SVY_PYCB	CATCHBASIN - PYRAMID	112	0	0
SVY_RAILROAD	RAILROAD TRACKS OR WIGWAGS	253	0	0
SVY_REFPT	REFERENCE POINT	43	0	0
SVY_RET-WALL	RETAINING WALL	253	0	0
SVY_RIPRAP	RIPRAP	66	0	0
SVY_SHELTER	SHELTER, TELEPHONE BOOTH, OR SHED	253	0	0
SVY_SHOULDER	SHOULDER	4	0	0
SVY_SIDEWALK	CONC SIDEWALK	116	0	0
SVY_SIGN	SIGN	140	0	0
SVY_SLOPE-B	BOTTOM OF SLOPE	99	2	0
SVY_SLOPE-T	TOP OF SLOPE	98	0	0
SVY_STRUCTURE-B	BOTTOM OF STRUCTURE	253	1	0
SVY_STRUCTURE-T	TOP OF STRUCTURE	253	0	0
SVY_SURFACE-PROF	EXISTING SURFACE FOR PROFILE AND SECTIONS	4	3	3
SVY_TRAFFIC	TRAFFIC	70	0	0
SVY_TV	TV	70	0	0
SVY_VEG	VEGETATION	230	0	0
SVY_WALKWAY	EDGE OF WALKWAY	116	0	0
SVY_WALL	WALL - ENTRANCE FEATURE	100	0	0
SVY_WATER	WATER	111	0	0
SURVEYED POINTS				
SVY_PT_APRON	POINTS	2	0	0
SVY_PT_BARRIER	POINTS	100	0	0
SVY_PT_BELL	POINTS	70	0	0
SVY_PT_BENCH	POINTS	253	0	0
SVY_PT_BLANK	POINTS	0	0	0
SVY_PT_BUILDING	POINTS	253	0	0
SVY_PT_CROWN-RD	POINTS	4	0	0
SVY_PT_CURB	POINTS	4	0	0
SVY_PT_CURBSTOP	POINTS	4	2	0
SVY_PT_DITCH	POINTS	124	4	0
SVY_PT_DRIVEWAY	POINTS	100	0	0
SVY_PT_EDGE-WATER	POINTS	124	0	0
SVY_PT_EPAVT	POINTS	115	0	0
SVY_PT_EXPANSION-JOINT	POINTS	253	0	2
SVY_PT_FENCE	POINTS	100	CLF	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn

Name	Description	Colour	Line Style	Weight
SVY_PT_FENCE-GATE	POINTS	100	0	0
SVY_PT_GABION	POINTS	66	0	0
SVY_PT_GARDEN	POINTS	245	0	1
SVY_PT_GAS	POINTS	70	0	0
SVY_PT_GUIDERAIL	POINTS	115	7	0
SVY_PT_GUTT	POINTS	4	0	0
SVY_PT_HEADWALL	POINTS	253	0	0
SVY_PT_HYDRO	POINTS	70	0	0
SVY_PT_KILLSTRIP	POINTS	116	0	0
SVY_PT_NOISEWALL	POINTS	100	0	0
SVY_PT_PMK_LANE	POINTS	0	2	0
SVY_PT_RAILROAD	POINTS	253	0	0
SVY_PT_RET-WALL	POINTS	253	0	0
SVY_PT_RIPRAP	POINTS	66	0	0
SVY_PT_SHELTER	POINTS	253	0	0
SVY_PT_SHOULDER	POINTS	4	0	0
SVY_PT_SIDEWALK	POINTS	116	0	0
SVY_PT_SIGN	POINTS	140	0	0
SVY_PT_SLOPE-B	POINTS	99	2	0
SVY_PT_SLOPE-T	POINTS	98	0	0
SVY_PT_STRUCTURE-B	POINTS	253	1	0
SVY_PT_STRUCTURE-T	POINTS	253	0	0
SVY_PT_SURFACE-PROF	POINTS	0	0	0
SVY_PT_TRAFFIC	POINTS	70	0	0
SVY_PT_TV	POINTS	70	0	0
SVY_PT_VEG	POINTS	230	0	0
SVY_PT_WALKWAY	POINTS	116	0	0
SVY_PT_WALL	POINTS	100	0	0
SVY_PT_WATER	POINTS	111	0	0
SURVEY TEXT				
SVY_TX_APRON	NOTES AND LABELS	2	0	0
SVY_TX_BARRIER	NOTES AND LABELS	100	0	0
SVY_TX_BELL	NOTES AND LABELS	70	0	0
SVY_TX_BENCH	NOTES AND LABELS	253	0	0
SVY_TX_BLANK	NOTES AND LABELS	0	0	0
SVY_TX_BOREHOLE	NOTES AND LABELS	0	0	0
SVY_TX_BOULDER	NOTES AND LABELS	140	0	0
SVY_TX_BREAKLINES	NOTES AND LABELS	99	2	0
SVY_TX_BUILDING	NOTES AND LABELS	253	0	0
SVY_TX_CB	NOTES AND LABELS	112	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
SVY_TX_CROWN-RD	NOTES AND LABELS	4	0	0
SVY_TX_CSP	NOTES AND LABELS	4	3	3
SVY_TX_CURB	NOTES AND LABELS	4	0	0
SVY_TX_CURBSTOP	NOTES AND LABELS	4	2	0
SVY_TX_DITCH	NOTES AND LABELS	124	4	0
SVY_TX_DRIVEWAY	NOTES AND LABELS	100	0	0
SVY_TX_EDGE-WATER	NOTES AND LABELS	124	0	0
SVY_TX_EPAVT	NOTES AND LABELS	115	0	0
SVY_TX_EXPANSION-JOINT	NOTES AND LABELS	253	0	2
SVY_TX_FENCE	NOTES AND LABELS	100	0	0
SVY_TX_FENCE-GATE	NOTES AND LABELS	100	0	0
SVY_TX_GABION	NOTES AND LABELS	66	0	0
SVY_TX_GARDEN	NOTES AND LABELS	245	0	1
SVY_TX_GAS	NOTES AND LABELS	70	0	0
SVY_TX_GROUND	NOTES AND LABELS	220	0	0
SVY_TX_GUIDERAIL	NOTES AND LABELS	115	7	0
SVY_TX_GUTT	NOTES AND LABELS	4	0	0
SVY_TX_GUY_POLE	NOTES AND LABELS	70	0	0
SVY_TX_GUY_WIRE	NOTES AND LABELS	70	0	0
SVY_TX_HEADWALL	NOTES AND LABELS	253	0	0
SVY_TX_HYDRO	NOTES AND LABELS	70	0	0
SVY_TX_KILLSTRIP	NOTES AND LABELS	116	0	0
SVY_TX_LAYOUT-STAKE	NOTES AND LABELS	43	0	0
SVY_TX_LEGAL	NOTES AND LABELS	4	0	0
SVY_TX_LP	NOTES AND LABELS	70	0	0
SVY_TX_MH_FDC	NOTES AND LABELS	112	0	0
SVY_TX_MH_SAN	NOTES AND LABELS	112	0	0
SVY_TX_MH_STM	NOTES AND LABELS	112	0	0
SVY_TX_NOISEWALL	NOTES AND LABELS	100	0	0
SVY_TX_OGCONT-MAJ	NOTES AND LABELS	4	0	3
SVY_TX_OGCONT-MIN	NOTES AND LABELS	16	0	1
SVY_TX_OG-TIN	NOTES AND LABELS	1	0	0
SVY_TX_PCTRL	NOTES AND LABELS	43	0	0
SVY_TX_PMK_LANE	NOTES AND LABELS	0	2	0
SVY_TX_PYCB	NOTES AND LABELS	112	0	0
SVY_TX_RAILROAD	NOTES AND LABELS	253	0	0
SVY_TX_REFPT	NOTES AND LABELS	43	0	0
SVY_TX_RET-WALL	NOTES AND LABELS	253	0	0
SVY_TX_RIPRAP	NOTES AND LABELS	66	0	0
SVY_TX_SHELTER	NOTES AND LABELS	253	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn

Name	Description	Colour	Line Style	Weight
SVY_TX_SHOULDER	NOTES AND LABELS	4	0	0
SVY_TX_SIDEWALK	NOTES AND LABELS	116	0	0
SVY_TX_SIGN	NOTES AND LABELS	140	0	0
SVY_TX_SLOPE-B	NOTES AND LABELS	99	2	0
SVY_TX_SLOPE-T	NOTES AND LABELS	98	0	0
SVY_TX_STRUCTURE-B	NOTES AND LABELS	253	1	0
SVY_TX_STRUCTURE-T	NOTES AND LABELS	253	0	0
SVY_TX_SURFACE-PROF	NOTES AND LABELS	4	0	0
SVY_TX_TRAFFIC	NOTES AND LABELS	70	0	0
SVY_TX_TV	NOTES AND LABELS	70	0	0
SVY_TX_VEG	NOTES AND LABELS	230	0	0
SVY_TX_WALKWAY	NOTES AND LABELS	116	0	0
SVY_TX_WALL	NOTES AND LABELS	100	0	0
SVY_TX_WATER	NOTES AND LABELS	111	0	0

**TRAFFIC CONTROL
SIGNALS INFORMATION
LEVELS**

TCS_100mm-EXIST	EXISTING TRAFFIC 100mm RIGID PVC	235	4	2
TCS_100mm-NEW	PROPOSED TRAFFIC 100mm RIGID PVC	90	3	5
TCS_50mm-EXIST	EXISTING TRAFFIC 50mm RIGID PVC	235	0	2
TCS_50mm-NEW	PROPOSED TRAFFIC 50mm RIGID PVC	90	1	5
TCS_75mm-EXIST	EXISTING TRAFFIC 75mm RIGID PVC	235	6	2
TCS_75mm-NEW	PROPOSED TRAFFIC 75mm RIGID PVC	90	2	5
TCS_BACKGUY	PROPOSED TRAFFIC BACKGUY	3	0	2
TCS_CONTROLLER	PROPOSED TRAFFIC CONTROLLER	3	0	2
TCS_ELEC-CHAMBER-EXIST	EXISTING ELECTRICAL CHAMBER	235	0	2
TCS_ELEC-CHAMBER-NEW	PROPOSED ELECTRICAL CHAMBER	3	0	2
TCS_FUSE	PROPOSED TRAFFIC FUSE	0	0	2
TCS_HYDROSUPPLY	PROPOSED HYDRO TRANSFORMER	3	0	2
TCS_LEGEND	TRAFFIC LEGEND	0	0	1
TCS_LOOP	PROPOSED TRAFFIC LOOPS	3	2	1
TCS_LUMINAIRE-EXIST	EXISTING TRAFFIC LUMINAIRE	235	2	0
TCS_LUMINAIRE-NEW	PROPOSED TRAFFIC LUMINAIRE	3	0	2
TCS_OPTICOM	PROPOSED TRAFFIC OPTICOM DETECTOR	3	0	2
TCS_PAV	PROPOSED PAVEMENT MARKING	200	0	2
TCS_PLATE	PROPOSED TRAFFIC GROUND PLATE	0	0	2
TCS_POLE-EXIST	EXISTING TRAFFIC POLE	235	0	0
TCS_POLE-NEW	PROPOSED TRAFFIC POLE	3	0	2
TCS_POWER	PROPOSED TRAFFIC POWER SUPPLY	3	0	2
TCS_PUSHBUTTON	PROPOSED TRAFFIC PEDESTRIAN PUSHBUTTON POLE	3	0	2

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
TCS_RADAR	PROPOSED RADAR OR WAVETRONIX DETECTOR	3	0	1
TCS_REMOVAL	INDICATES REMOVAL	4	0	3
TCS_SCHEMATIC		0	0	0
TCS_SCHEMATIC-EXIST		0	2	0
TCS_SIGN	PROPOSED REGULATORY OR INFORMATION SIGNAGE	0	0	0
TCS_SIGNALHEAD	PROPOSED TRAFFIC SIGNAL HEAD INCLUDING PEDESTRIAN SIGNAL HEAD & PUSH BUTTON	3	0	2
TCS_SPAN-EXIST	EXISTING AERIAL SPAN CABLE	235	2	2
TCS_SPAN-NEW	PROPOSED AERIAL SPAN CABLE	3	0	1
TCS_TSP-EVP	PROPOSED TSP/EVP ANTENNA	3	0	2
TCS_VIDEO	PROPOSED TRAFFIC VIDEO DETECTOR	3	0	2
TCS_WIFI	PROPOSED WIRELESS HUB	3	0	2
TRAFFIC CONTROL SIGNALS TEXT				
TCS_TX_100mm-EXIST	EXISTING NOTES AND LABELS	235	0	0
TCS_TX_100mm-NEW	PROPOSED NOTES AND LABELS	90	0	0
TCS_TX_50mm-EXIST	EXISTING NOTES AND LABELS	235	0	0
TCS_TX_50mm-NEW	PROPOSED NOTES AND LABELS	90	0	0
TCS_TX_75mm-EXIST	EXISTING NOTES AND LABELS	235	0	0
TCS_TX_75mm-NEW	PROPOSED NOTES AND LABELS	90	0	0
TCS_TX_BACKGUY	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_CONTROLLER	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_ELEC-CHAMBER-EXIST	EXISTING NOTES AND LABELS	235	0	0
TCS_TX_ELEC-CHAMBER-NEW	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_FUSE	PROPOSED NOTES AND LABELS	0	0	0
TCS_TX_HYDROSUPPLY	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_LEGEND	NOTES AND LABELS	0	0	0
TCS_TX_LOOP	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_LUMINAIRE-EXIST	EXISTING NOTES AND LABELS	235	0	0
TCS_TX_LUMINAIRE-NEW	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_PAV	PROPOSED NOTES AND LABELS	200	0	0
TCS_TX_PLATE	PROPOSED NOTES AND LABELS	0	0	0
TCS_TX_POLE-EXIST	EXISTING NOTES AND LABELS	235	0	0
TCS_TX_POLE-NEW	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_POWER	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_PUSHBUTTON	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_RADAR	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_REMOVAL	NOTES AND LABELS	4	0	0
TCS_TX_SCHEMATIC	PROPOSED NOTES AND LABELS	0	0	0
TCS_TX_SCHEMATIC-EXIST	NOTES AND LABELS	0	0	0
TCS_TX_SIGN	PROPOSED NOTES AND LABELS	0	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
TCS_TX_SIGNALHEAD	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_SPAN-EXIST	EXISTING NOTES AND LABELS	235	0	0
TCS_TX_SPAN-NEW	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_TSP-EVP	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_VIDEO	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX_WIFI	PROPOSED NOTES AND LABELS	3	0	0
TCS_TX-OPTICOM	PROPOSED NOTES AND LABELS	3	0	0
UNDERGROUND UTILITY SERVICES INFORMATION LEVELS				
UGS_BELL	EXISTING BELL APPURTENANCES - PLAN & PROFILE	70	0	0
UGS_BELL-UTIL	EXISTING BELL UNDERGROUND LINEWORK - PLAN & SECTIONS	70	BELL	0
UGS_CULVERT	EXISTING CULVERT - PLAN, PROFILE & SECTIONS	4	2	5
UGS_FIBRE	UNIDENTIFIED FIBRE CABLES	0	0	0
UGS_GAS	EXISTING GAS APPURTENANCES - PLAN & PROFILE	3	0	0
UGS_GAS-UTIL	EXISTING GAS UNDERGROUND LINEWORK - PLAN & SECTIONS	3	GAS	0
UGS_HYDRO	EXISTING HYDRO APPURTENANCES - PLAN & PROFILE	246	0	0
UGS_HYDRO-TELE	EXIST. HYDROONE TELECOM U/G LINES - PLAN & SECTIONS	246	HYDRO-1-T	0
UGS_HYDRO-UTIL	EXIST. HYDROONE BRAMPTON U/G LINES - PLAN & SECTIONS	246	HYDRO-1-B	0
UGS_SANI	EXISTING SANITARY APPURTENANCES - PLAN & PROFILE	4	0	3
UGS_SANI-UTIL	EXISTING SANITARY SEWER U/G LINES - PLAN & SECTIONS	4	0	5
UGS_SH_HYDRO	SHADING FOR UNDERGROUND HYDRO DUCTS - PROFILE - 'CONC_T', PA=0, PS=5, PD=0, AZ=-5	246	0	0
UGS_STORM	EXISTING STORM APPURTENANCES - PLAN & PROFILE	4	0	3
UGS_STORM-UTIL	EXISTING STORM SEWER U/G LINEWORK - PLAN & SECTIONS	4	0	5
UGS_SUBDRAIN	SUBDRAIN	4	3	2
UGS_TCS	EXISTING TRAFFIC APPURTENANCES - PLAN & PROFILE	3	0	0
UGS_TCS-UTIL	EXISTING TRAFFIC U/G LINEWORK - PLAN & SECTIONS	3	0	0
UGS_TV	EXISTING TV OR ROGERS APPURTENANCES - PLAN & PROFILE	96	0	0
UGS_UNKNOWN-UTIL	UNIDENTIFIED UNDERGROUND UTILITY	0	0	0
UGS_WATER	EXISTING WATER APPURTENANCES - PLAN & PROFILE	124	0	0
UGS_WATER-UTIL	EXISTING WATER U/G LINEWORK - PLAN & SECTIONS	124	WATER	0
UNDERGROUND UTILITY SERVICES TEXT				
UGS_TV-UTIL	EXISTING TV OR ROGERS U/G LINEWORK - PLAN & SECTIONS	96	TV	0
UGS_TX_BELL	NOTES AND LABELS	70	0	0

The Peel Group Standard Microstation Levels and Symbology – SEED-3DUTM.dgn				
Name	Description	Colour	Line Style	Weight
UGS_TX_BELL-UTIL	NOTES AND LABELS	70	0	0
UGS_TX_CULVERT	NOTES AND LABELS	4	0	5
UGS_TX_FIBRE	LABEL 'UNKNOWN FIBRE'	0	0	0
UGS_TX_GAS	NOTES AND LABELS	3	0	0
UGS_TX_GAS-UTIL	NOTES AND LABELS	3	0	0
UGS_TX_HYDRO	NOTES AND LABELS	246	0	0
UGS_TX_HYDRO-TELE	NOTES AND LABELS	246	0	0
UGS_TX_HYDRO-UTIL	NOTES AND LABELS	246	0	0
UGS_TX_SANI	NOTES AND LABELS	4	0	3
UGS_TX_SANI-UTIL	NOTES AND LABELS	4	0	5
UGS_TX_STORM	NOTES AND LABELS	4	0	3
UGS_TX_STORM-UTIL	NOTES AND LABELS	4	0	5
UGS_TX_SUBDRAIN	NOTES AND LABELS	4	0	0
UGS_TX_TCS	NOTES AND LABELS	3	0	0
UGS_TX_TCS_UTIL	NOTES AND LABELS	3	0	0
UGS_TX_TV	NOTES AND LABELS	96	0	0
UGS_TX_TV-UTIL	NOTES AND LABELS	96	0	0
UGS_TX_UNKNOWN-UTIL	LABEL ""UNKNOWN U/G""	0	0	0
UGS_TX_WATER	NOTES AND LABELS	124	0	0
UGS_TX_WATER-UTIL	NOTES AND LABELS	124	0	0

APPENDIX 5 - SAMPLE FORMS & DRAWINGS

CITY OF BRAMPTON - STORM INFORMATION CHARTS

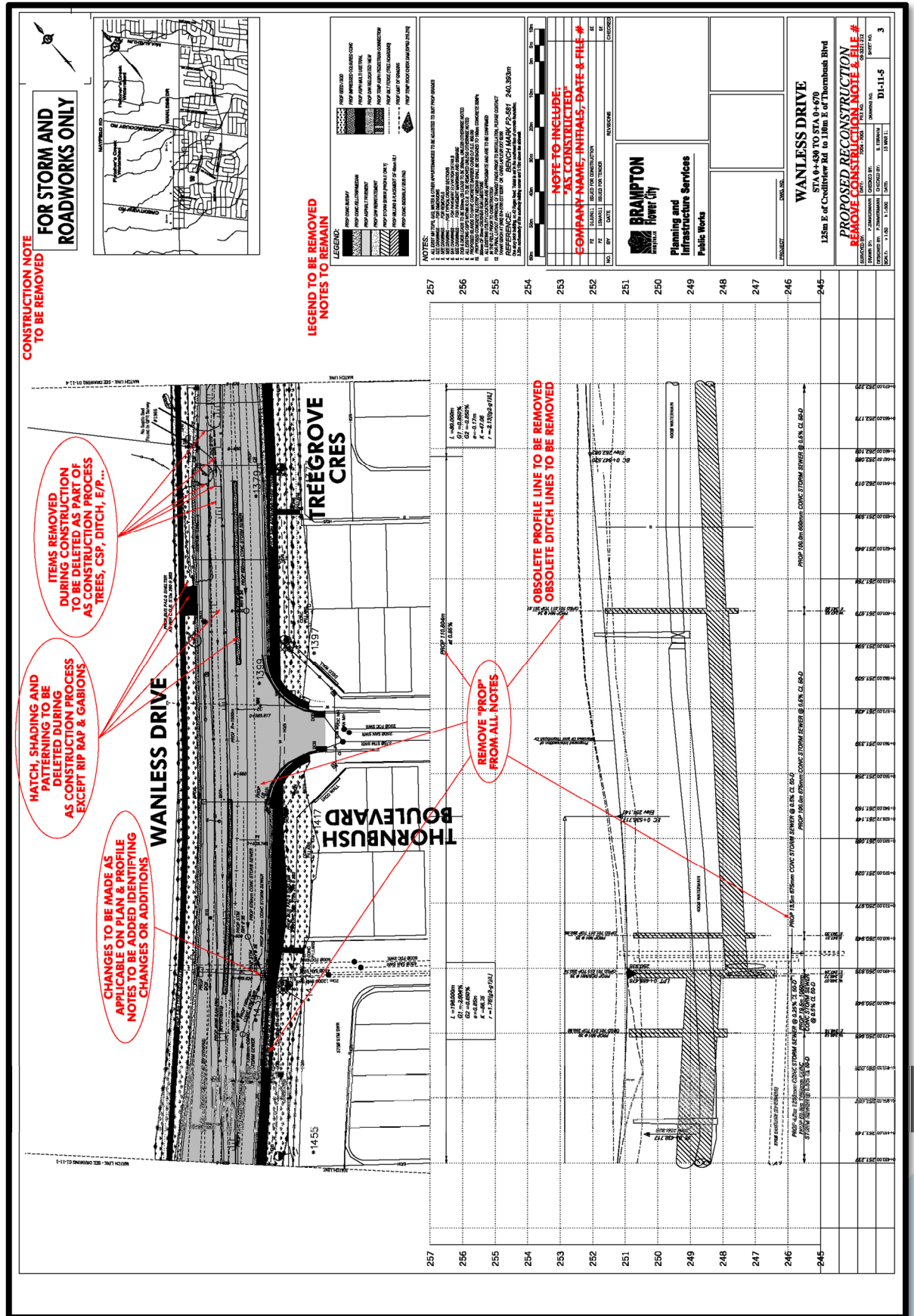
STORM MAINTENANCE HOLE INFORMATION CHART

COLLECTOR ST - Arterial Rd A to Arterial Rd B - 13-3251-213					
MH #	STATION	OFFSET	ELEVATION		STANDARD
MH 201	1+684.52	L-4.36	255.712	TOP	701.010, 401.010
MH 202	1+739.53	L-4.22	255.891	TOP	701.010, 401.010
MH 16E	1+794.55	L-4.33	255.204	TOP	EXISTING
DICBMH 203	1+823.23	L-18.50	253.217	INLET	701.010, 403.010
DICB 4845	1+844.78	L-16.18	253.885	INLET	705.030, 403.010
CBMH 204	1+842.95	L-9.58	254.15	GUTTER	701.010, 400.020
CBMH 205	1+925.54	L-30.88	254.18	TOP	701.010, 400.020
MH 42E	2+004.90	L-3.16	253.359	TOP	EIXSTING
MH 41	2+090.00	L-4.38	254.19	TOP	701.010, 401.010

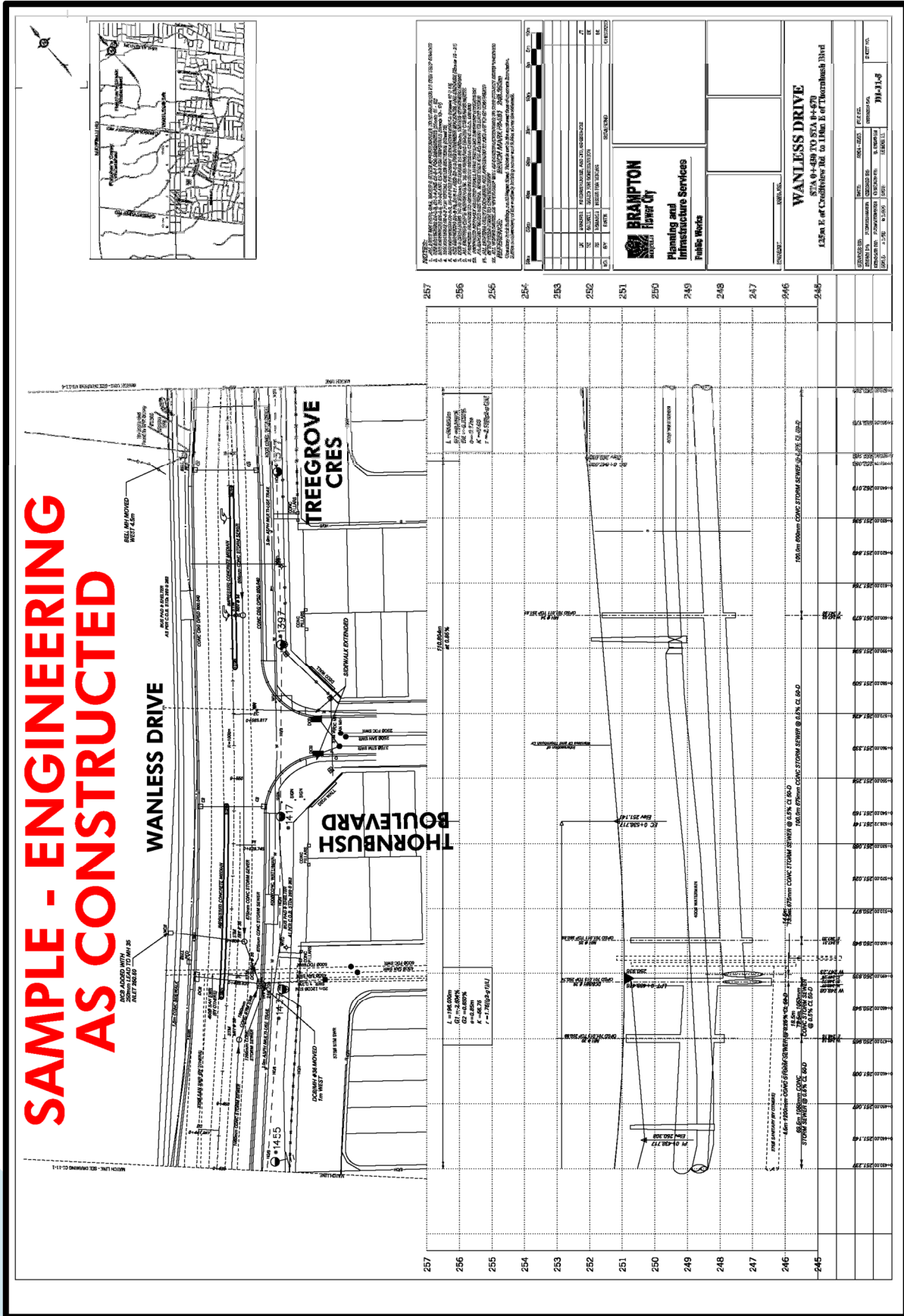
STORM CATCHBASIN INFORMATION CHART

COLLECTOR ST - Arterial Rd A to Arterial Rd B - 13-3251-213					
CB #	STATION	OFFSET	ELEVATION		STANDARDS
CB 1	1+663.41	R-10	255.397	E/P	705.030, 400.020
CB 2	1+681.49	L-10	255.569	E/P	705.030, 400.020
CB 3	1+704.10	L-10	255.759	E/P	705.030, 400.020
CB 4	1+704.79	R-10	255.764	E/P	705.030, 400.020
CB 5	1+733.99	L-10	255.447	E/P	705.030, 400.020
CB 6	1+774.20	R-10	255.444	E/P	705.030, 400.020
CB 7	1+843.34	R-10	254.173	E/P	705.030, 400.020
CB 8	1+904.24	R-10	253.406	E/P	705.030, 400.020
CB 9	1+905.01	L-10	253.399	E/P	705.030, 400.020
CB 10	2+021.48	R-10	253.321	E/P	705.030, 400.020
CB 11	2+021.80	L-10	253.323	E/P	705.030, 400.020
CB 12	2+094.36	L-10	254.122	E/P	705.030, 400.020
CB 13	2+095.17	R-12.2	254.086	E/P	705.030, 400.020
DCB #	STATION	OFFSET	ELEVATION		STANDARDS
DCB 1	2+968.79	R-10	253.132	E/P	705.040, 400.020
DCB 2	2+969.70	L-10	253.132	E/P	705.040, 400.020

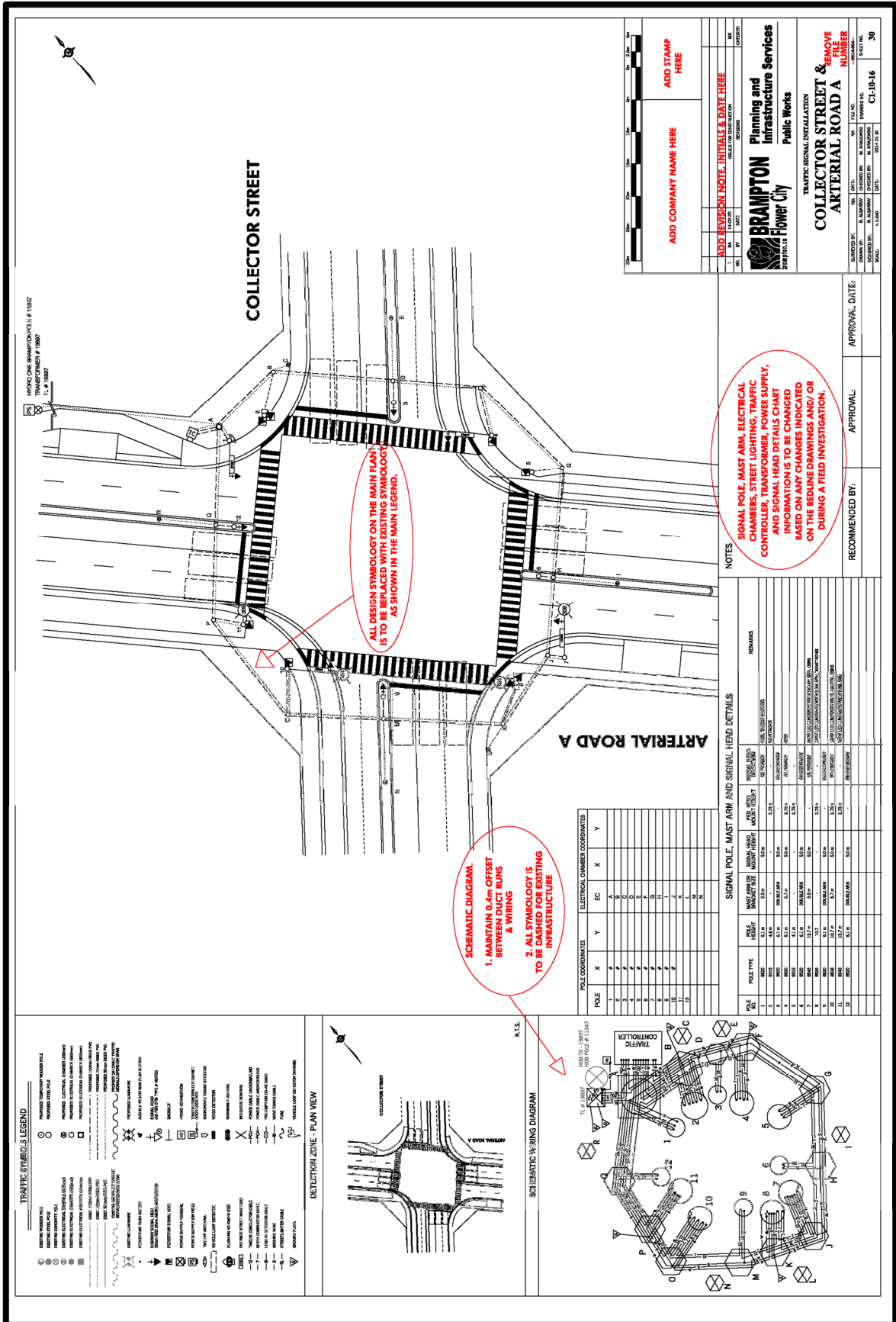
CITY OF BRAMPTON – PLAN & PROFILE CONSTRUCTION SAMPLE



CITY OF BRAMPTON – PLAN & PROFILE AS CONSTRUCTED SAMPLE



CITY OF BRAMPTON – TRAFFIC CONSTRUCTION SAMPLE



SAMPLE - TRAFFIC
AS CONSTRUCTED

COLLECTOR STREET

SCHEMATIC WIRING DIAGRAM

POLE		SIGNAL		MAST		SERIAL	
Y	X	Y	X	Y	X	Y	X
1	1	1	1	1	1	1	1

TRAFFIC SIGNAL AND SERIAL HEAD DETAILS

TRAFFIC SIGNAL		SERIAL	
Y	X	Y	X
1	1	1	1

TRAFFIC SYMBOLS LEGEND

	STOP SIGN		YIELD SIGN
	SPEED LIMIT SIGN		VARIABLE MESSAGE SIGN
	PRIORITY SIGN		ADVANCE STOP SIGN
	LANE REDUCTION SIGN		TRAFFIC LIGHT
	SIGNAL HEAD		MAST ARM
	SERIAL HEAD		MAST TOP
	DETECTION ZONE		CONTROL GEAR
	SENSOR		POWER SUPPLY
	CABLING		TRANSFORMER
	GROUND		EARTH CONNECTION

DETECTION ZONE - PLAN VIEW

NOTES

- TRAFFIC SIGNAL AND SERIAL HEAD DETAILS TO BE CONSTRUCTED AS SHOWN.
- TRAFFIC SIGNAL AND SERIAL HEAD DETAILS TO BE CONSTRUCTED AS SHOWN.
- TRAFFIC SIGNAL AND SERIAL HEAD DETAILS TO BE CONSTRUCTED AS SHOWN.
- TRAFFIC SIGNAL AND SERIAL HEAD DETAILS TO BE CONSTRUCTED AS SHOWN.
- TRAFFIC SIGNAL AND SERIAL HEAD DETAILS TO BE CONSTRUCTED AS SHOWN.

DATE: 14-12-16

SCALE: AS SHOWN

PROJECT: COLLECTOR STREET & ARTERIAL ROAD A

DRAWN BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

ABC LTD

STAMP

BRAMPTON
Power City
Infrastructure Services
Public Works

TRAFFIC SIGNAL INSTALLATION
COLLECTOR STREET &
ARTERIAL ROAD A

DESIGNED BY: [Name]
CHECKED BY: [Name]
DATE: 08/11/16

ISSUED BY: [Name]
DATE: 08/11/16

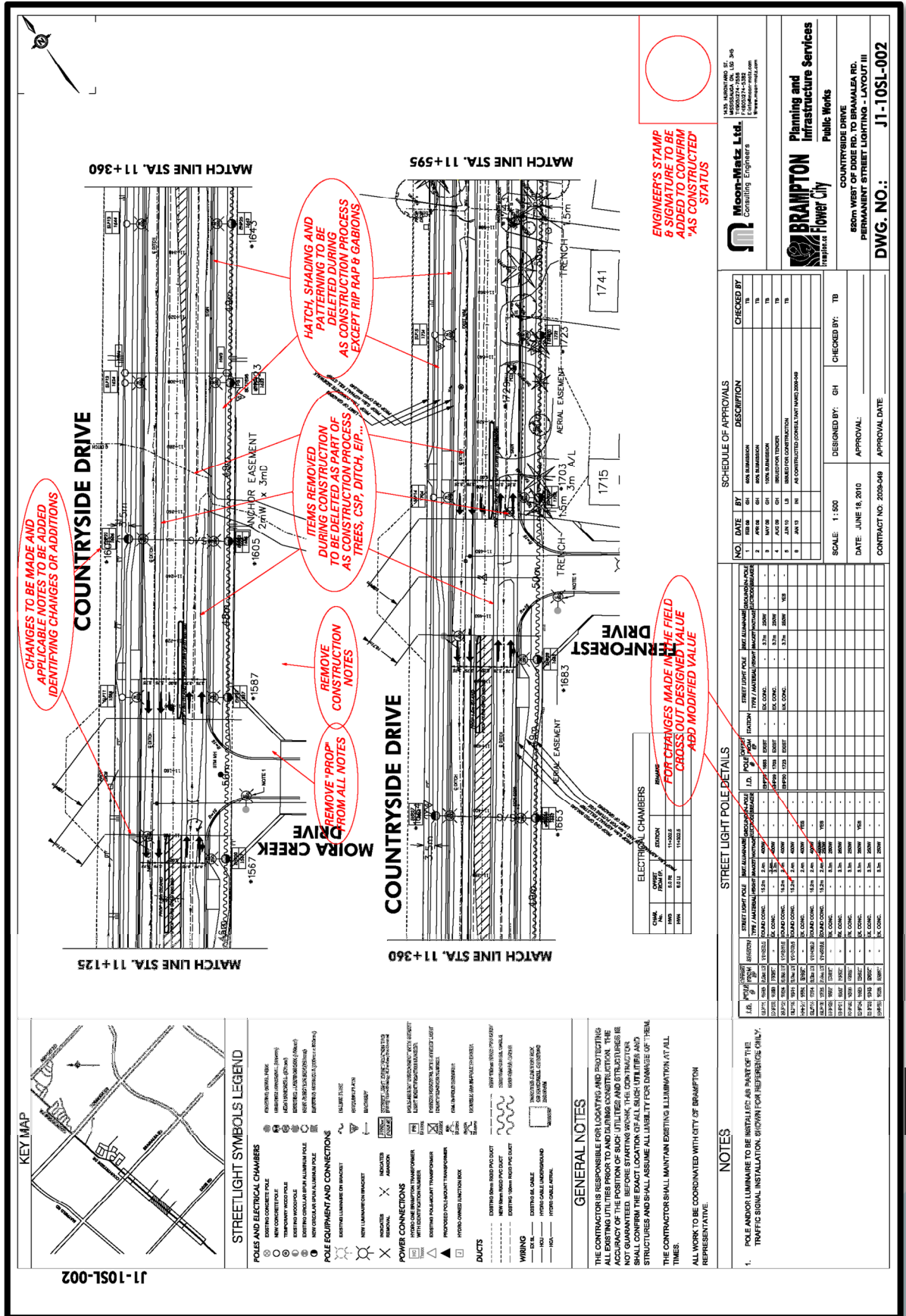
RECEIVED BY: [Name]

APPROVAL:

APPROVAL DATE:

SHEET NO. **30**
OF 30

CITY OF BRAMPTON – LIGHTING CONSTRUCTION SAMPLE



CHANGES TO BE MADE AND APPLICABLE NOTES TO BE ADDED IDENTIFYING CHANGES OR ADDITIONS

HATCH, SHADING AND PATTERNING TO BE DELETED DURING CONSTRUCTION EXCEPT RIP RAP & GABIONS

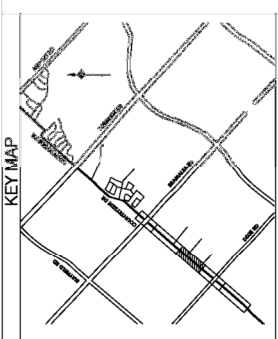
ITEMS REMOVED DURING CONSTRUCTION TO BE DELETED AS PART OF CONSTRUCTION PROCESS AS TREES, CSP, DITCH, EIP...

REMOVE - PROP CONSTRUCTION NOTES

REMOVE - PROP CONSTRUCTION NOTES

ENGINEER'S STAMP & SIGNATURE TO BE ADDED TO CONFIRM 'AS CONSTRUCTED' STATUS

FOR CHANGES MADE IN THE FIELD CROSSED OUT DESIGNED VALUE ADD MODIFIED VALUE



STREET LIGHT SYMBOLS LEGEND

	POWER AND ELECTRICAL CHAMBERS
	POLE
	SINGLE PHASE POLE
	DOUBLE PHASE POLE
	POLE EQUIPMENT AND CONNECTIONS
	POWER CONNECTIONS
	DUCTS
	WIRING

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE UTILITIES AND SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. THE CONTRACTOR SHALL MAINTAIN EXISTING ILLUMINATION AT ALL TIMES.

ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

STREET LIGHT POLE DETAILS

STREET LIGHT POLE TYPE / MATERIAL / HEIGHT	HEIGHT	TYPE	MODEL	DESCRIPTION	REMARKS
15m CH	15.0m	CH	1500	15m CH	
17.5m CH	17.5m	CH	1750	17.5m CH	
15m A/L	15.0m	A/L	1500	15m A/L	
17.5m A/L	17.5m	A/L	1750	17.5m A/L	
15m CON	15.0m	CON	1500	15m CON	
17.5m CON	17.5m	CON	1750	17.5m CON	
15m C/CON	15.0m	C/CON	1500	15m C/CON	
17.5m C/CON	17.5m	C/CON	1750	17.5m C/CON	

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	APR 18	CH	PRELIMINARY	TH
2	APR 18	CH	PRELIMINARY	TH
3	APR 18	CH	PRELIMINARY	TH
4	JAN 15	CH	PRELIMINARY	TH
5	JAN 15	CH	PRELIMINARY	TH
6	JAN 15	CH	PRELIMINARY	TH
7	JAN 15	CH	PRELIMINARY	TH
8	JAN 15	CH	PRELIMINARY	TH
9	JAN 15	CH	PRELIMINARY	TH

SCALE: 1:500
DATE: JUNE 18, 2009
CONTRACT NO. 2009-048

NOTES

1. POLE AND/OR LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. SHOWN FOR REFERENCE ONLY.

Moon-Metz Ltd.
Consulting Engineers

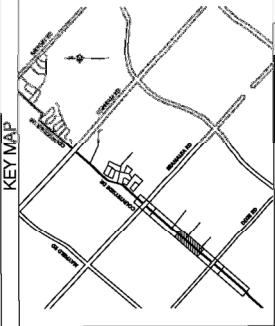
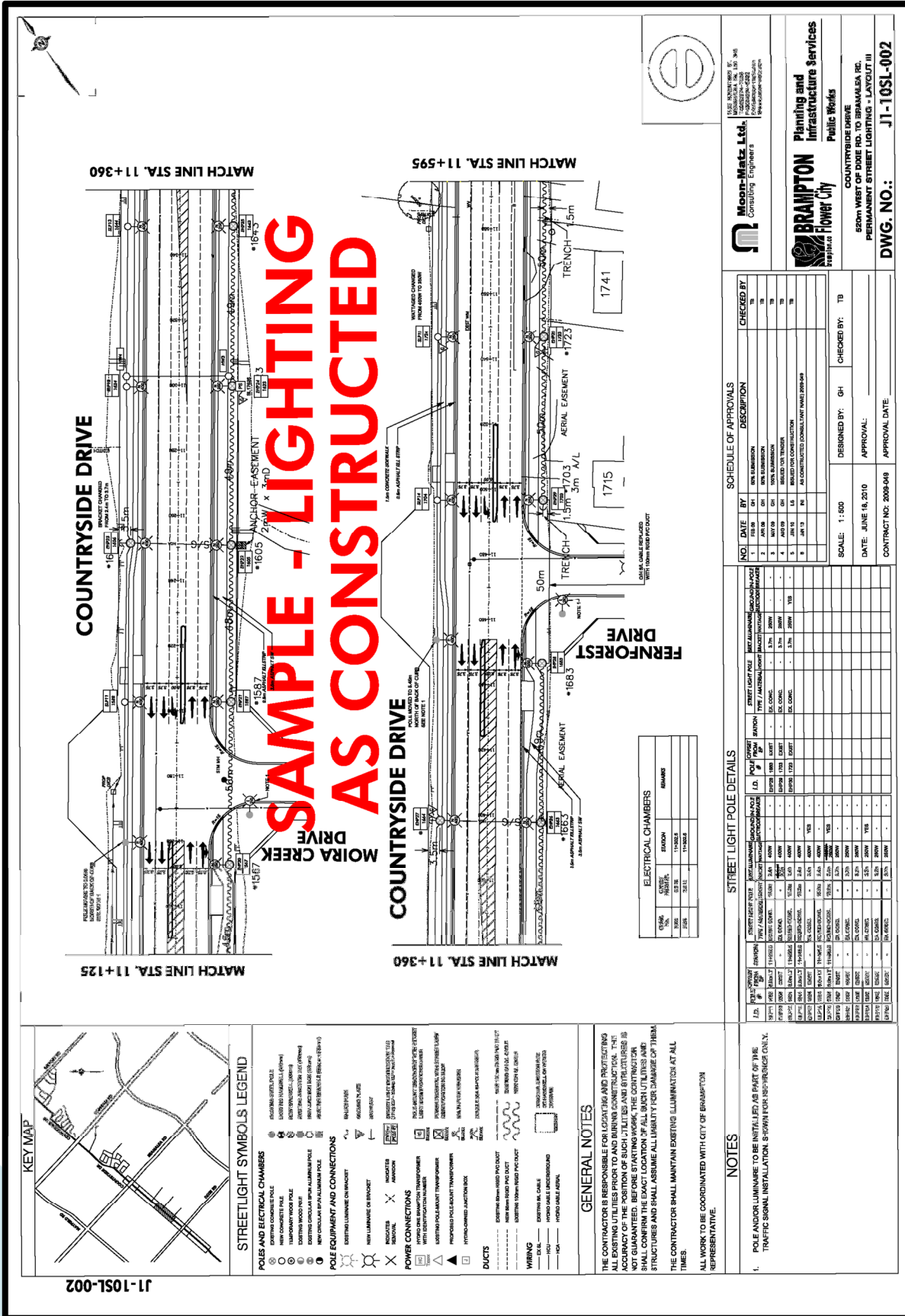
115 HURON ST., 3RD FLOOR
TORONTO, ONT. M5G 1K8
416-977-5522
www.moon-metz.com

BRAMPTON Flower City
Infrastructure Services
Public Works

COUNTRYSIDE DRIVE
550m WEST OF DDBE RD. TO BRAMALEA RD.
PERMANENT STREET LIGHTING - LAYOUT III

DWG. NO.: **J1-10SL-002**

CITY OF BRAMPTON – LIGHTING AS CONSTRUCTED SAMPLE



STREETLIGHT SYMBOLS LEGEND

POLES AND ELECTRICAL CHAMBERS

- CONCRETE POLE ONLY
- WOOD POLE
- TRANSFORMER POLE
- WOOD POLE WITH ELECTRICAL CHAMBER
- WOOD POLE WITH ELECTRICAL CHAMBER AND TRANSFORMER
- WOOD POLE WITH ELECTRICAL CHAMBER AND TRANSFORMER AND MOUNTING BRACKET

POLE EQUIPMENT AND CONNECTIONS

- EXISTING LUMINAIRE ON POLE
- NEW LUMINAIRE ON POLE
- RELOCATED LUMINAIRE
- RELOCATED TRANSFORMER
- RELOCATED TRANSFORMER AND MOUNTING BRACKET
- RELOCATED TRANSFORMER AND MOUNTING BRACKET AND LUMINAIRE

POWER CONNECTIONS

- RELOCATED TRANSFORMER AND MOUNTING BRACKET WITH ELECTRICAL CHAMBER
- RELOCATED TRANSFORMER AND MOUNTING BRACKET WITH ELECTRICAL CHAMBER AND TRANSFORMER
- RELOCATED TRANSFORMER AND MOUNTING BRACKET WITH ELECTRICAL CHAMBER AND TRANSFORMER AND MOUNTING BRACKET

DUCTS

- EXISTING DUCT
- NEW DUCT
- NEW DUCT WITH TRANSFORMER
- NEW DUCT WITH TRANSFORMER AND MOUNTING BRACKET
- NEW DUCT WITH TRANSFORMER AND MOUNTING BRACKET AND LUMINAIRE

WIRING

- EXISTING WIRING
- NEW WIRING
- NEW WIRING WITH TRANSFORMER
- NEW WIRING WITH TRANSFORMER AND MOUNTING BRACKET
- NEW WIRING WITH TRANSFORMER AND MOUNTING BRACKET AND LUMINAIRE

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PROFITABILITY OF THE POLES AND ELECTRICAL CHAMBERS. THE LOCATION AND PROFITABILITY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OF THESE STRUCTURES.

THE CONTRACTOR SHALL MAINTAIN EXISTING ILLUMINATION AT ALL TIMES.

ALL WORK TO BE COORDINATED WITH CITY OF BRAMPTON REPRESENTATIVE.

NOTES

- POLE AND/OR LUMINAIRE TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION SHOWN FOR INSPECTION ONLY.

J1-10SL-002

STREET LIGHT POLE DETAILS

J.D.	DATE	DESCRIPTION	BY	CHECKED BY
1	18 JUN 10	REVISED	GH	GH
2	18 JUN 10	REVISED	GH	GH
3	18 JUN 10	REVISED	GH	GH
4	18 JUN 10	REVISED	GH	GH
5	18 JUN 10	REVISED	GH	GH
6	18 JUN 10	REVISED	GH	GH
7	18 JUN 10	REVISED	GH	GH
8	18 JUN 10	REVISED	GH	GH
9	18 JUN 10	REVISED	GH	GH

ELECTRICAL CHAMBERS

CHAMBER NO.	TYPE	HEIGHT	WIDTH	DEPTH	LOCATION	REMARKS
1	CONCRETE	1.8m	0.6m	0.6m	11+125	
2	CONCRETE	1.8m	0.6m	0.6m	11+150	
3	CONCRETE	1.8m	0.6m	0.6m	11+175	
4	CONCRETE	1.8m	0.6m	0.6m	11+200	
5	CONCRETE	1.8m	0.6m	0.6m	11+225	
6	CONCRETE	1.8m	0.6m	0.6m	11+250	
7	CONCRETE	1.8m	0.6m	0.6m	11+275	
8	CONCRETE	1.8m	0.6m	0.6m	11+300	
9	CONCRETE	1.8m	0.6m	0.6m	11+325	
10	CONCRETE	1.8m	0.6m	0.6m	11+350	

SCHEDULE OF APPROVALS

NO.	DATE	BY	DESCRIPTION	CHECKED BY
1	18 JUN 10	GH	REVISED	GH
2	18 JUN 10	GH	REVISED	GH
3	18 JUN 10	GH	REVISED	GH
4	18 JUN 10	GH	REVISED	GH
5	18 JUN 10	GH	REVISED	GH
6	18 JUN 10	GH	REVISED	GH
7	18 JUN 10	GH	REVISED	GH
8	18 JUN 10	GH	REVISED	GH
9	18 JUN 10	GH	REVISED	GH

DESIGNED BY: GH
CHECKED BY: TB
DATE: JUNE 18, 2010
APPROVAL: _____
CONTRACT NO: 2009-049
APPROVAL DATE: _____

MOON-MATZ LTD.
Consulting Engineers

BRAMPTON Infrastructure Services
Public Works

COUNTRYSIDE DRIVE
PERMANENT STREET LIGHTING - LAYOUT III

DWG. NO.: J1-10SL-002

REGION OF PEEL – SANITARY DRAWING REQUIREMENTS


GENERAL TEXT SETTINGS DESCRIPTION IN THE DRAWINGS

SYMBOL	DESCRIPTION	CODE
1	Sanitary Fixture	1
2	Sanitary Fixture	2
3	Sanitary Fixture	3
4	Sanitary Fixture	4
5	Sanitary Fixture	5
6	Sanitary Fixture	6
7	Sanitary Fixture	7
8	Sanitary Fixture	8
9	Sanitary Fixture	9
10	Sanitary Fixture	10
11	Sanitary Fixture	11
12	Sanitary Fixture	12
13	Sanitary Fixture	13
14	Sanitary Fixture	14
15	Sanitary Fixture	15
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93	Sanitary Fixture	93
94	Sanitary Fixture	94
95	Sanitary Fixture	95
96	Sanitary Fixture	96
97	Sanitary Fixture	97
98	Sanitary Fixture	98
99	Sanitary Fixture	99
100	Sanitary Fixture	100

REGION OF PEEL
working with you
STREET NAME
PROJECT ADDRESS RANGE
EPA CODE: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
K0000-D

SAMPLE ONLY FOR SANITARY

REGION OF PEEL / CITY OF BRAMPTON TITLEBLOCKS

 <p>Region of Peel working with you</p>			
<p>STREET NAME (FROM STREET NAME TO STREET NAME) PROP. 000mm EDIT BY TYPE</p>			
STA. 0+000		TO STA. 0+000	
CAD Area	X-XX	Area	X-XX
Checked by		Drawn by	X.X.
Date	MONTH YEAR	Sheet	X of X
		Project No.	XX-XXXX
		Plan No.	XXXXX-D

← REGION OF PEEL ASSIGNED DRAWING NUMBER

CITY OF BRAMPTON ASSIGNED DRAWING NUMBER → **XX-XX-XX**

PROJECT		DWG. NO.	
<p>WANLESS DRIVE STA. 5+050 TO STA. 5+250 114m East of Robert Parkinson Dr to 44m East of Creditview Rd</p>			
<p><i>PROPOSED WIDENING</i></p>			
SURVEYED BY:	XXXXXX	DATE:	XXXXXX
FILE NO.	12-3221-211		
DRAWN BY:	P. ZIMMERMANN	CHECKED BY:	J. FANTIN
DRAWING NO.	C1-11-1A		SHEET NO.
DESIGNED BY:	PZ/IH	CHECKED BY:	I. HANS
SCALE:	v 1:50 h 1:500	DATE:	18 FEB 14
			7

← CITY OF BRAMPTON ASSIGNED NUMBER

REGION OF PEEL – SCHEDULE B (WATERMAIN INSTALLATION BASE)

The drawing is a technical template for a watermain installation base. It consists of several key components:

- Grid Area:** A large rectangular grid occupies the central and lower portions of the page, intended for the main drawing of the watermain installation.
- Title Block:** Located on the right side, it contains fields for project information such as "PROJECT NO.", "DATE", "SCALE", and "DRAWN BY". It also features the logo for "Peel Region" and the text "REGION OF PEEL WATERMAIN INSTALLATION BASE".
- Detail Callout:** In the top left corner, there is a small rectangular area containing a detailed view of a watermain installation, with an arrow pointing to a specific section of the main grid.
- Annotations:** Various text annotations and notes are scattered throughout the drawing area, providing technical specifications and instructions.

27 OCT 14

- * Initiation of new common manual for as built drawings provided to City of Brampton, Town of Caledon, City of Mississauga and Region of Peel.

03 NOV – 27 NOV 2014

- * Added samples provided by Region of Peel for Schedules B and F
- * Added samples provided by Region of Peel for Sanitary drawing requirements and Watermain drawing requirements
- * Prologue amended to include reasoning for manual and introduction of The Peel Group
- * Adjustment, as required, for reference to Development works only
- * Adjustment, as required, to remove specific references to City of Brampton requirements
- * Removed Design Criteria section
- * Added Final Submission Requirements section with requirements for each quarter of the Peel Group
- * Table of Contents Updated
- * Wording modifications to remove City of Brampton branding on cells and symbology, as per meeting 27NOV14
- * Updated "Final Submission drawing requirements for..." checklists
- * Changed "digital requirements" to reflect acceptance of view ports and single drawing files with multiple sheets
- * As Built term replaced with As Constructed throughout
- * Identified colour tables to be utilized

09 DEC 14 – 05 FEB 15

- * Wording adjusted to accommodate AutoCad nomenclature
- * Added verbiage to cover Capital projects within developments
- * Re-organized order of sections
- * Added general submission guidelines (Pre as-constructed)
- * Edited levels spreadsheet to reflect a new black colour to allow for Autocad drawings to use colour 239 in place of colour 0 (Autocad has no colour zero), 239 will work as black in all utilized colour tables

06 FEB 15 – 23 MAR 15

- * Finalized level/layer structure and symbology for Microstation/Autocad

DECEMBER 2015

- * Implementation of changes, following discussions in The Peel Group meeting, reviewing practices and procedures for development plans.
- * Clarified base plan requirements
- * Clarified use and placement of drawing numbers – New sample created to illustrate drawing number placement for submission of a drawing to both the Region of Peel and The City of Brampton.
- * Removed requirement to strike out proposed information and add as constructed values. Replace values as needed, no design information to be on drawings
- * New levels created for Noisewalls, SVY_, GIS_ & ENG_, to distinguish between noisewalls and entrance feature walls. *_WALL description modified to exclude noisewalls.
- * New levels created for pond information, GIS_ & ENG_
- * Plan & Profile, Traffic and Lighting samples updated

JANUARY 2017

- * Clarification of file naming requirements
- * Explanation of how to acquire drawing numbers added
- * Clarification of folder names and content required
- * Re-ordered to streamline information
- * Section numbers added
- * Layers/Levels, cells & samples have been moved to Appendices 1 - 5
- * Levels added for fence plotting, _PLOT FULLSIZE, _PLOT HALFSIZE
- * Level added for scrap information...ghost elements etc., -SCRAP
- * Searchable PDF manual

JANUARY 2018

- * Changed Region of Peels Logo and updated drawings.