THE PORT AUTHORITY OF NY & NJ
Engineering Department

E/A Design Division CAD Standard

LAST UPDATED
DECEMBER 2015

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6.0 E/A Design Division Cad Standard

6.1 Foreword

The EAD CAD Standard outlined within this document was established to provide guidance for the preparation of the Engineering / Architecture (E/A) Design Division of the Port Authority of New York and New Jersey's (PANYNJ) contract documents.

This document is intended for use by both in-house personnel as well as outside consultants involved in creating or updating PANYNJ facilities' Computer Aided Drafting (CAD) data.

6.2 Purpose

This Standard establishes requirements and procedures for the preparation and submission of CAD based drawings throughout the project life cycle. Adherence to this standard insures that the E/A Design Division of the PANYNJ will receive and produce data in a consistent format. This consistency will improve the compatibility of this data within each discipline and the efficient exchange of data between disciplines.

The role of an individual assigned to the project determines the level of understanding required of the EAD CAD Standard. For CAD operators, designers, and functional supervisors a thorough knowledge of all CAD related elements associated with a project is crucial. The project manager however only requires a general knowledge of the EAD CAD Standard and the means by which it is employed to create a project. Both levels of knowledge will be possible through the use of this manual.

The CAD system adopted by the PANYNJ is comprised of several Autodesk products. Throughout this manual terminology and references will be made that are unique to Autodesk and primarily, different AutoCAD based software applications.

<u>Supported Design Software Products</u>
AutoCAD 2014
AutoCAD Architecture 2014
AutoCAD Civil 3D 2014
AutoCAD Map 3D 2014
AutoCAD MEP 2014
AutoCAD Raster Design 2014

6.2.1 About This Standard

The chapters within this standard describe how the E/A Design Division uses AutoCAD and how to configure AutoCAD to support the E/A Design Division CAD Standard, which it has adopted.

The appendices, which follow, support the chapters in several ways. Each discipline has been assigned an appendix to explain information specific to their functional group. In addition, appendices have been provided to support CAD related subject matter, which is common throughout all disciplines. Finally, some appendices have been created to support internal E/A Design Division staff only; these appendices will be for internal use; however, they have been supplied with the document for both in-house and consultant staff.

6.3 Acronyms and Abbreviations

The following are Acronyms and Abbreviations used throughout this document.

Acronym	Definition
ACA	Autodesk AutoCAD Architecture
APJ	Autodesk Project File
C3D	Autodesk AutoCAD Civil 3D
CP	Confidential Privileged
CTB	Color Dependant Plot Style Table
DST	Sheet Set Data File
DWF	Design Web Format file
DWG	AutoCAD drawing file
DWT	AutoCAD template file
EAD	Engineering Architecture Design
EOL	Engineering on Line
FAC	Facility Code
K:\	Internally Mapped Network Drive pointing to \\Patcav56\K_Drive
M:\	Internally Mapped Network Drive pointing to \\Patccsrv2\Cad\Cad
MEP	Autodesk AutoCAD MEP
N:\	Internally Mapped Network Drive pointing to \\Patccsrv1\Cad\Archive
PANYNJ	Port Authority of New York and New Jersey
PC3	Plotter Configuration file
PDF	Portable Document Format file
PID	Project Identifier Number
PMP	Plotter Model Parameter file
RVT	Autodesk Revit

6.4 Digital Submittal Requirements

The EAD CAD Standard adopts AutoCAD as the "Standard CAD Software". Consultants are required to submit electronic CAD files in a format compatible with the current version of AutoCAD software in use by the E/A Design Division of the PANYNJ.

In addition, all submitted files must conform and comply with the latest version of the EAD CAD Standard outlined in this document.

Softcopy submittals (electronic CAD files) must include all information presented on the hardcopy submittals (plots). This precludes the use of sticky-backs, graphic tapes, hand lettering and anything else that is placed on the drawing after it is plotted excepting any signatures and seals.

Consultants are required to submit CAD files accompanied with hardcopies every time a project reaches a submittal milestone. This includes, but is not limited to, PA Review Set, Law Review Set, Percent Submittal Set, Addendum Set, As Bid Set, PACC Set, Drawing of Record Set, etc. Refer to Section 6.7.11 titled Submissions for more information.

6.4.1 CAD File Formats

All electronic CAD files should be AutoCAD DWG files with binary compatibility with the current release of AutoCAD in use by the PANYNJ. When submitting files on electronic media, the AutoCAD drawing file version should be noted.

If terrain model files are requested for the project, the consultant will submit these files in either AutoCAD Land Desktop Digital Terrain Model format or XML format.

If alignment files are requested for the project, the consultant will submit alignment files in either AutoCAD Land Desktop Alignment format or XML format.

If a coordinate geometry point database is requested for a project, the consultant will supply this database as either an AutoCAD Land Desktop Point Database file (.mdb) or an XML file.

When requested, these files will be submitted with the AutoCAD Land Desktop project structure intact, as outlined in Section 6.5.4 titled AutoCAD Civil 3D.

If working on a Project using either AutoCAD Architecture (formerly Architectural Desktop - ADT) or AutoCAD MEP (formerly Building Systems - ABS), the consultant will submit the Project file (.apj) and the Sheet Set Data file (.dst).

6.4.2 Schedule

DWG and DWF files are required for each milestone during both stage II and stage III. If the project does not have a milestone scheduled prior to the PA Wide Review submittal, DWG and DWF files will be submitted no later than 3 week prior to the PA Wide Review submittal.

6.4.3 Media and Format

AutoCAD drawing files will be submitted on media CDs. All disks are to be delivered virus free. Final hard copies of drawings will be submitted as Mylar plots using the PANYNJ Contract Border identified in this standard.

6.4.4 Identification

All CDs submitted to the E/A Design Division of the PANYNJ will be labeled with the following information:

- Consultant's name and Project Identifier Number (PID)
- Contact name and phone number of consulting project manager
- Discipline-Facility (e.g. Civil-JFK)
- Submittal Date and Percent Completed
- Data Format (e.g. AutoCAD Version .dwg)
- File Name(s) on CD
- As much information as possible should be printed on both the CD label and the CD case. If all the information will not fit on either the CD label or the CD case, the information can be listed in an orderly manner in a text file that will be copied to the CD in electronic format.

6.4.5 Project Websites

The PANYNJ is in the process of developing a "Project Extranet" to enhance collaboration between in-house designers and outside consultants, as well as with different departments and divisions throughout the agency. All Project Websites have a folder structure similar to that described in Section 6.6 titled Project Directory Structure and File Naming Convention of this standard.

Please refer to the project specifics to determine if a Project Website is available for use. If so, all transfer of digital information should be made via the website. Transfer of data via email or CDs is not permitted if a project website is available.

If a Project Website is available for the project the Project Website link will be provided along with a Username and a Password.

6.5 Accessing the E/A Design Division CAD Standard

The E/A Design Division CAD Standard includes a series of support files. All support files are provided in a folder named "CAD_Standards\2014", which is located on "K:\Application\EAD\CAD_Standards\2014" folder of the PANYNJ network. The "CAD_Standards\2014" folder contains one general "**All_Disciplines**" sub-folder and eight discipline specific sub-folders as illustrated in Figure 6 - A.

Figure 6 - A

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The "All_Disciplines" sub-folder contains all cross discipline support files, including contract borders, Layer Key Styles, Layers, Page Setups, Sample Project structure, Support files, Symbols and Templates. The folder structure is illustrated in Figure 6 - B.

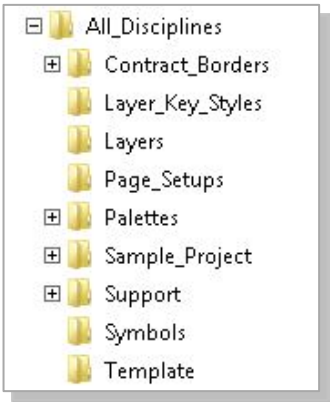


Figure 6 - B

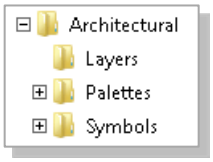


Figure 6 - C

Each Discipline sub-folder is divided into three sub-folders which contain all the discipline specific support files including layer drawings, tool palettes, plotter files and tool palettes. An example of this folder structure is illustrated in Figure 6 - C .

The layer and symbol content within these folders can be accessed through the use of AutoCAD's Design Center utility. Graphic depictions of the symbols for each discipline can be referenced in the appendices.

6.5.1 Using the Standard Files

The CAD_Standards directory contains two primary types of files: files that do not require ongoing user interaction and files that do.

The first type refers to support files accessed automatically by AutoCAD once they have been copied to the proper support folders. All E/A Design Division workstations have already been configured to access these files. Outside consultants should copy these files to the appropriate directories or create an AutoCAD profile pointing to the files as necessary.

The second type refers to files such as title sheets, contract borders, drawing information blocks and stamps, which the user must configure within the project. For instructions on creating a title sheet or working with the contract borders, refer to Section 6.10 titled Plan Set Preparation.

6.5.2 Distribution Files

This section identifies the files supplied for general use within the E/A Design Division CAD Standard. The entire E/A Design Division CAD Standard can be found internally at K:\Application\EAD\CAD_Standards\2014 or externally downloaded from: http://www.panynj-cadstandards.com/

K:\Application\Palettes	
	Contains all Tool Palette files (.atc) specific to that discipline.
K:\Application\Plotter	
	Contains all Plotter Configuration files (.pc3) specific to that discipline.
K:\Application\Plotter\Plot_Styles	
PA – MasterCOLOR.ctb	Plot Style for plotting Drawings in Color.
PA – MasterFULL.ctb	Plot Style for plotting Full Scale Drawings.
PA – MasterHALF.ctb	Plot Style for plotting Half Scale Drawings.
PA - MasterQUARTER.ctb	Plot Style for plotting Quarter Scale Drawings.
K:\Application\Plotters\PMP Files	
	Contains all Plotter Model Parameter files (.pmp) specific to that discipline.
K:\Application\EAD\CAD_Standards\2014	
	Contains the "EAD_CAD_Standard" and "Request to Change Standard" documents.
All_Disciplines	Contains all cross discipline support files and content.
<Discipline>	Contains all discipline specific support files and content.
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders	
Border - ANSI A - Horizontal.dwg	8.5x11 landscape border for use in non-contract drawings.
Border - ANSI A - Vertical.dwg	8.5x11 portrait border for use in non-contract drawings.
Border - ANSI B - Horizontal.dwg	11x17 landscape border for use in non-contract drawings.
Border - ANSI B - Vertical.dwg	11x17 portrait border for use in non-contract drawings.
Contract_Border - OS.dwg	34x56 border for contract drawings.
Contract_Border_PATH - OS.dwg	34x56 border for Port Authority Trans Hudson contract drawings.
Contract_Border_PATH.dwg	22x34 border for Port Authority Trans Hudson contract drawings.
Contract_Border.dwg	22x34 border for contract drawings.
Drawing_Info - OS.dwg	Drawing information block for use with 34x56 borders.
Drawing_Info.dwg	Drawing information block for use with 22x34 borders.
Drawing_Info_PATH,dwg	Drawing information block (Port Authority Trans Hudson) for use with 22x34 borders

Title_Sheet - OS.dwg	34x56 title sheet for contract drawings.
Title_Sheet - PATH - OS.dwg	34x56 title sheet for Port Authority Trans Hudson contract drawings.
Title_Sheet - PATH.dwg	22x34 title sheet for Port Authority Trans Hudson contract drawings.
Title_Sheet.dwg	22x34 title sheet for contract drawings.
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders\Stamps	
Contract_Border – Stamp_Law-Review.dwg	Law Review submission stamp for use on 22x34 borders.
Contract_Border – Stamp_Law-Review - OS.dwg	Law Review submission stamp for use on 34x56 borders.
Contract_Border – Stamp_Preliminary.dwg	Preliminary submission stamp for use on 22x34 borders.
Contract_Border – Stamp_Preliminary - OS.dwg	Preliminary submission stamp for use on 34x56 borders.
Contract_Border – Stamp_QA-Submission.dwg	Quality Assurance submission stamp for use on 22x34 borders for FTA projects.
Contract_Border – Stamp_QA-Submission - OS.dwg	Quality Assurance submission stamp for use on 34x56 borders for FTA projects.
Contract_Border – Stamp_Submission.dwg	Percent submission stamp for use on 22x34 borders.
Contract_Border – Stamp_Submission - OS.dwg	Percent submission stamp for use on 34x56 borders.
CP - WARNING.dwg	Confidential Privileged Warning sign for use on stamp for use on 22x34 borders for CP drawings.
CP - WARNING - OS.dwg	Confidential Privileged Warning sign for use on 34x56 borders for CP drawings
Drawing_Info - Stamp_Cbar.dwg	Confidential stamp for use on 22x34 borders for C drawings.
Drawing_Info – Stamp_Cbar – OS.dwg	Confidential stamp for use on 34x56 borders for C drawings.
Drawing_Info - Stamp_CPbar.dwg	Confidential Privileged stamp for use on 22x34 borders for CP drawings.
Drawing_Info – Stamp_CPbar – OS.dwg	Confidential Privileged stamp for use on 34x56 borders for CP drawings.
Drawing_Info – Stamp_NJ&NY PE (one consultant) - OS.dwg	One consultant company providing NJ & NY PE signatures on 34x56 drawings.
Drawing_Info - Stamp_NJ&NY PE (one consultant).dwg	One consultant company providing NJ & NY PE signatures on 22x34 drawings.
Drawing_Info - Stamp_NJ&NY PE (two consultants) - OS.dwg	Two consultant companies providing NJ & NY PE signatures on 34x56 drawings.
Drawing_Info - Stamp_NJ&NY PE (two consultants).dwg	Two consultant companies providing NJ & NY PE signatures on 22x34 drawings.
Drawing_Info - Stamp_NJ&NY RA (one consultant) - OS.dwg	One consultant company providing NJ & NY RA signatures on 34x56 drawings.
Drawing_Info - Stamp_NJ&NY RA (one consultant).dwg	One consultant company providing NJ & NY RA signatures on 22x34 drawings.
Drawing_Info - Stamp_NJ&NY RA (two consultants) - OS.dwg	Two consultant companies providing NJ & NY RA signatures on 34x56 drawings.
Drawing_Info - Stamp_NJ&NY RA (two consultants).dwg	Two consultant companies providing NJ & NY RA signatures on 22x34 drawings.
Drawing_Info – Stamp_NJPE - OS.dwg	One consultant company providing NJ PE signatures on 34x56 drawings.
Drawing_Info - Stamp_NJPE.dwg	One consultant company providing NJ PE signatures on 22x34 drawings.
Drawing_Info – Stamp_NJRA - OS.dwg	One consultant company providing NJ RA signatures on 34x56 drawings.
Drawing_Info - Stamp_NJRA.dwg	One consultant company providing NJ RA signatures on 22x34 drawings.
Drawing_Info - Stamp_NYPE - OS.dwg	One consultant company providing NY PE signatures on 34x56 drawings.
Drawing_Info - Stamp_NYPE.dwg	One consultant company providing NY PE signatures on 22x34 drawings.
Drawing_Info - Stamp_NYRA - OS.dwg	One consultant company providing NY RA signatures on 34x56 drawings.

Drawing_Info - Stamp_NYRA.dwg	One consultant company providing NY RA signatures on 22x34 drawings.
Drawing_Info - Stamp_Revision.dwg	Revision stamp for use on both 22x34 and 34x56 drawings.
Drawing_Info - Stamp_Triangle.dwg	Revision triangle marker for placement near revision clouds.
K:\Application\Fonts	
HELV-2F.SXH	Font used for Contract Border and Title Sheet information.
HELV-M.SHX	Font used for Contract Border, Title Sheet & Alternate Title information.
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Layer Key Styles	
PA_LKS-ACA2014 - Architectural.dwg	Layer Key Style for use by the Architectural Discipline within ACA
PA_LKS-ACA2014 - Structural.dwg	Layer Key Style for use by the Structural Discipline within ACA
PA_LKS-MEP2014 - Electrical.dwg	Layer Key Style for use by the Electrical Discipline within MEP
PA_LKS-MEP2014 - Mechanical.dwg	Layer Key Style for use by the Mechanical Discipline within MEP
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Page Setups	
115Bway.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located at 115 Broadway.
Architectural.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Architectural Plotter Room at 4 WTC.
Civil.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Civil Plotter Room at 4 WTC.
Electrical.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Electrical Plotter Room at 4 WTC.
Environmental.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Environmental Plotter Room at 4 WTC.
Geotechnical.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Geotechnical Plotter Room at 4 WTC.
Mechanical.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Mechanical Plotter Room at 4 WTC.
Structural.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Structural Plotter Room at 4 WTC.
Traffic.dwg	Drawing file containing pre-configured page setups for plotting drawings to devices located within the Traffic Plotter Room at 4 WTC.
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Palettes	
	Generic Tool Palettes for use by all disciplines.
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Sample Project	
	Contains a Sample Folder Structure that mimics the Folder Structure used when new projects are created.
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Support	
PA.shx	Shape file used by certain line types.
PA - Design.lin	Line type definition file containing custom line types.
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Symbols	
BS1-1_2in-1ft.dwg	1 1/2” = 1’ Bar Scale
BS1_2in-1ft.dwg	1/2” = 1’ Bar Scale
BS1_4in-1ft.dwg	1/4” = 1’ Bar Scale
BS1_8in-1ft.dwg	1/8” = 1’ Bar Scale
BS1_16in-1ft.dwg	1/16” = 1’ Bar Scale
BS1_32in-1ft.dwg	1/32” = 1’ Bar Scale
BS1in-1ft.dwg	1” = 1’ Bar Scale
BS1in-1in.dwg	1” = 1” Bar Scale

BS1in-5ft.dwg	1” = 5’ Bar Scale
BS1in-10ft.dwg	1” = 10’ Bar Scale
BS1in-20ft.dwg	1” = 20’ Bar Scale
BS1in-25ft.dwg	1” = 25’ Bar Scale
BS1in-30ft.dwg	1” = 30’ Bar Scale
BS1in-40ft.dwg	1” = 40’ Bar Scale
BS1in-50ft.dwg	1” = 50’ Bar Scale
BS1in-60ft.dwg	1” = 60’ Bar Scale
BS1in-100ft.dwg	1” = 100’ Bar Scale
BS1in-200ft.dwg	1” = 200’ Bar Scale
BS1in-400ft.dwg	1” = 400’ Bar Scale
BS1in-500ft.dwg	1” = 500’ Bar Scale
BS3_4in-1ft.dwg	3/4” = 1’ Bar Scale
BS3_8in-1ft.dwg	3/8” = 1’ Bar Scale
BS3_16in-1ft.dwg	3/16” = 1’ Bar Scale
BS3_32in-1ft.dwg	3/32” = 1’ Bar Scale
BS3in-1ft.dwg	3” = 1’ Bar Scale
BS6in-1ft.dwg	6” = 1’ Bar Scale
N_ARROW1.dwg	North Arrow within Bubble
N_ARROW2.dwg	North Arrow
K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Template	
PA – 3d Solid Template.dwt	Drawing Template for drawings using 3d Solids.
PA – ACA Model Template.dwt	Drawing Template for ACA Model file drawings.
PA – arch-inch.dwt	Drawing Template for Architectural Unit based drawings.
PA – Civil-C3D.dwt	Drawing Template for Civil Discipline based Civil 3D drawings.
PA – CSG-C3D.dwt	Drawing Template for Central Survey based Civil 3D drawings.
PA – Traffic-C3D.dwt	Drawing Template for Traffic Discipline based Civil 3D drawings.
PA – deci-feet.dwt	Drawing Template for Decimal Unit based drawings.
PA – Geotechnical-C3D.dwt	Drawing Template for Geotechnical Discipline based Civil 3D drawings.
PA – MEP Model Template.dwt	Drawing Template for MEP Model file drawings.
K:\Application\EAD\CAD_Standards\2014\<Discipline>\Layers	
	Contains all Layer template files (.dwt) specific to that discipline.
K:\Application\EAD\CAD_Standards\2014\<Discipline>\Symbols	
	Contains all the symbol library files (.dwg) used by that discipline.

6.5.3 AutoCAD Architecture and AutoCAD MEP

The Project Navigator within ACA or MEP can only be used when AEC objects are used as part of the project.

If the condition above is met, projects are to be created in the MODEL folder for the appropriate discipline. ACA and MEP will create and name a project folder automatically when the user sets up an ACA or an MEP project using the Project Navigator.

The EAD CAD Standard requires that the user names the ACA and MEP project name after the PID Number.

Once created, the project folder will contain at minimum the following 4 sub-folders: Constructs, Elements, Sheets and Views. In addition to the folders created an Autodesk Project Information file (.apj) and a Sheet Set Data file (.dst) will be created. The .dst file is to be named after the PID Number as well. A sample project structure is shown in Figure 6 - D

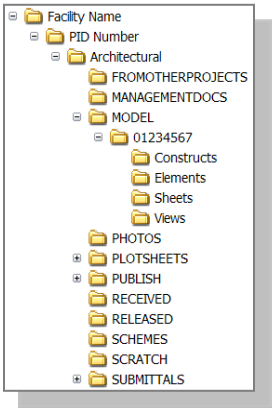


Figure 6 - D

Files and folders created using Project Navigator are not to be edited, moved or deleted by any means other than through Project Navigator. Using other means than the Project Navigator to edit or delete any project information will result in inconsistent project data.

Consultants are required to create their own Sheet Creation Template file and are responsible for matching the fields to the ones provided within the Contract Border and Drawing Information included with this standard.

To ensure the availability of the right display configurations, when using the Project Navigator all drawings are to be created based on one of the following templates:

- PA - ACA Model Template.dwt
- PA - MEP Model Template.dwt

The above template files have been provided with this standard and can be found under:
"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Template\"
The following Layer Key Styles have also been provided under
"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Layer Key Styles\"

- PA_LKS-ACA2014 - Architectural.dwt
- PA_LKS-ACA2014 - Structural.dwt
- PA_LKS-MEP2014 - Electrical.dwt
- PA_LKS-MEP2014 - Mechanical.dwt

Due to the nature of the Project Navigator, files are attached automatically using the "Attach" and "Overlay" methods, therefore an exception to the required use of the "Overlay" method of attachment stated else ware in this standard will be made when Project Navigator is used.

When the Project Navigator is used, the contents of the "Constructs" folder are to be copied into the owning discipline's PUBLISH folder so their backgrounds can be used by other disciplines. These files are to be provided without any external references attached.

6.5.4 AutoCAD Civil 3D

When using C3D, project drawings and data should be stored in the MODEL folder of the appropriate discipline.

M:\<Facility Name>\<PID Number>\<Discipline>\Model\

For a more in depth breakdown on how to use C3D within the PANYNJ reference the Civil 3D Standard which is included within Section 6.17.5 titled Civil 3D.

6.5.5 Autodesk Revit

The Port Authority of New York and New Jersey is moving towards the use of BIM (Building Information Model) technology.

Refer to the E/A Design Division BIM Standard for a description of the processes, procedures, and requirements that are to be followed for the preparation and submission of BIM Models and documents for E/A Design Division projects.

6.6 Project Directory Structure and File Naming Convention

The E/A Design Division CAD Standard provides a structure for the organization of CAD projects within the department.

The primary goals of this structure are to improve coordination between functional groups of E/A Design Division and its consultants, as well as to develop CAD projects in a way that will facilitate the further use of the electronic information beyond the initial contract.

6.6.1 Project Directory Structure

All EAD CAD projects are stored on the CAD volume of a central server, which has internally been mapped using the drive letter “M:\” The “M:\” drive contains a sub-directory for each facility named using its facility code as displayed in Table 6 - A.

Table 6 - A

Facility Code	Facility Name
AMT	Automobile Marine Terminal
BB	Bayonne Bridge
BRKMT	Brooklyn Port Authority Marine Terminal
EP	Elizabeth Port Authority Marine Terminal
EWR	Newark Liberty International Airport
FERRY	Ferry Transportation
GB	Goethals Bridge
GWB	George Washington Bridge and Bus Terminal
HCMF	Harrison Car Maintenance Facility
HELI	Downtown Manhattan Heliport
HH	Howland Hook Marine Terminal
HT	Holland Tunnel
IPY	Industrial Park at Yonkers
JFK	John F. Kennedy International Airport
JSTC	Journal Square Transportation Center
LGA	LaGuardia Airport
LT	Lincoln Tunnel
MULTI	Multi Facility Projects
NFC	Newport Financial Center
NJMT	New Jersey Marine Terminals
NLCC	Newark Legal and Communication Center
OBX	Outerbridge Crossing
PABT	Port Authority Bus Terminal
PACD	Port Authority Police Academy
PATC	Port Authority Technical Center
PATH	Port Authority Trans-Hudson Corporation
PHQ	Police Headquarters
PJ	Port Jersey
PN	Port Newark
PRTC	Police Rescue Training Center
RLLC	Cross Harbor Rail Road NY/NJ
SWF	Stewart International Airport
TEB	Teterboro Airport
TLPT	Staten Island Teleport
WTC	World Trade Center

6.6.2 Project Identifier Number

The Project Identifier Number (PID) is a unique identifier assigned for all EAD projects.

The LEA is responsible for getting the PID number from the Project Manager at the kick-off meeting and distributing it to all discipline task leaders involved in the project. The task leader is responsible for distributing the PID number to their outside consultants. The LEA will request the creation of the project folder structure through the use of the on-line form provided on EOL under the "Engineering Tools / CAD Support and Training" section or by selecting the following link Project Folder Creation Request Form. Refer to Section 6.26.7 titled Request Project Folder Structure.

The "M:\" drive is divided into Facility Folders, each containing project specific sub-folders. These project folders are named using the eight (8)-digit PID number. Figure 6 - illustrates this concept using a project at Goethals Bridge with a PID number of 01234567.

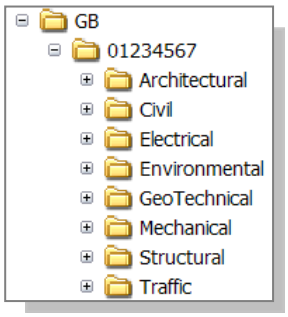


Figure 6 - E

6.6.3 Discipline Folders

Every discipline is provided with a folder in the project directory in which all design related data is to be stored. Each discipline folder has a series of standardized sub-folders which are to contain the various types of design data.

Figure 6 - illustrates these standardized sub-folders using the Architectural folder as an example.

The Model, Plotsheet and Publish folders should always contain the current version of all CAD drawings related to the project.

For more information on the usage of these folders refer to the section titled Discipline Folder Rules of this standard.

For more information on the Plotsheets_CP and DWF_CP folders refer to Section 6.11.1 titled Confidential Projects of this standard.

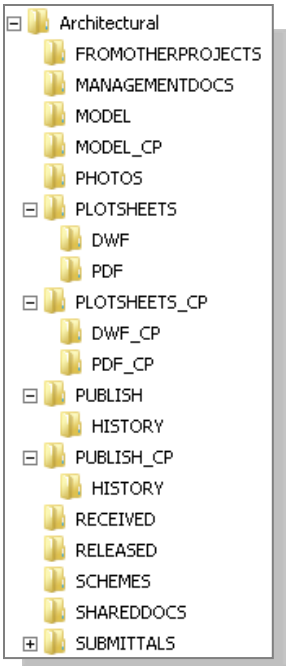


Figure 6 - F

6.6.3.1 Discipline Folder Rules

The Discipline folders are used to share files among all the different disciplines of the Engineering / Architectural Design Division.

- Sub-folders are not to be created within the discipline folder.
- The Discipline sub-folders have read-write permissions assigned to the owning discipline.

6.6.3.2 FromOtherProjects Folder Rules

The FromOtherProjects folder will contain drawings and data that have been taken from other projects that relate to the current project. If a file from another project is required for reference purposes only and is not going to be included as part of the contract set it will be stored in this directory. If a file is required to be part of the contract set then it will be copied to the Model folder and must comply with the current EAD CAD Standard.

- Sub-folders are permitted within the FromOtherProjects folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- The FromOtherProjects folder has read-write permissions assigned to the owning discipline.
- Other disciplines have no access to the FromOtherProjects folder.
- The FromOtherProjects folder will not be archived with the project.

6.6.3.3 ManagementDocs Folder Rules

The ManagementDocs folder will contain all non-drawing or photo related project data. Spreadsheets, documents, specifications, memos, estimates, etc. will be stored in this folder.

- Sub-folders are permitted within the ManagementDocs folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- The ManagementDocs folder has read-write permissions assigned to the owning discipline.
- Other disciplines have no access to the ManagementDocs folder.
- The ManagementDocs folder will be archived with the project.

6.6.3.4 Model Folder Rules

All design work and annotation must be stored inside AutoCAD drawings saved within the Model folder. The EAD CAD Standard refers to these design drawings as Model files.

Images and Office documents referenced or linked by drawing files will also be stored in the Model folder and must comply with the rules for Model files.

- Sub-folders are not to be created within the model folder, with the exception of the folders created when ACA, C3D, or MEP projects are used.
- The Model folder has read-write permissions assigned to the owning discipline.
- Other disciplines have read permissions assigned to the Model folder.
- The Model folder will be archived with the project.

6.6.3.5 Photos Folder Rules

The Photos folder will contain all digital photographs relevant to the project, with the exception of those used on contract drawings. Drawings are not permitted to reference photographs from this folder. In order to reference a photograph within a drawing file, copy the image into the Model folder and refer to Section 6.6.3.4 titled Model Folder Rules for proper usage. References to OLE objects are not permitted.

- Sub-folders are permitted within the Photos folder (Refer to Section 6.6.9 titled Folder Naming Convention for proper usage).
- There are no file naming requirements for images stored within the Photos folder.
- The Photos folder has read-write permissions assigned to the owning discipline.
- Other disciplines have read permissions assigned to the Photos folder.
- The Photos folder will be archived with the project.

6.6.3.6 Plotsheets Folder Rules

All layouts for plotted sheets will be saved inside AutoCAD drawings stored within the Plotsheets folder. The EAD CAD Standard refers to these layout drawings as Plotsheet Files. These files are assembled sheets used for plotting. These drawings consist of a series of external references.

- Sub-folders are not permitted within the Plotsheets folder
- Only Plotsheet files will be stored within the Plotsheets folder.
- The Plotsheets folder has read-write permissions assigned to the owning discipline.
- Other disciplines have read permissions assigned to the Plotsheets folder.
- The Plotsheets folder will be archived with the project.

No line work or annotation is allowed in either Model Space or Paper Space of the Plotsheet files with the following exceptions:

- ✓ Blocks provided within this standard whose name begins with “Drawing_Info”
- ✓ Match lines and associated Match line annotations.
- ✓ Revision clouds and associated Revision cloud annotations.
- ✓ Scale Bars
- ✓ North Arrows
- ✓ View Titles

All paper drawings in the Contract Set will have a corresponding Plotsheet file in the Plotsheets folder, the only exception is the Title Sheet. Multiple contract documents can be saved in a single Plotsheet file, with the following stipulations:

- ❑ Only consecutive drawings may be stored on multiple Paper Space tabs in a single drawing file.
- ❑ Layout tabs will be named after their corresponding sheet numbers, in sequential order.

6.6.3.7 DWF Folder Rules

A Design Web Format file (DWF) is a highly compressed non-editable file format, created from drawing files. DWF files will be created and stored in the DWF folder each time a submittal milestone is reached.

The DWF folder will always contain (only) the latest version of the DWF file. Files in this directory will be replaced (overwritten) at subsequent milestones. Earlier versions of these files can be found SUBMITTALS sub-folder that were previously archived for that milestone.

- ❑ Sub-folders are not permitted within the DWF folder.
- ❑ The DWF folder has read-write permissions assigned to the owning discipline.
- ❑ Other disciplines have read permissions assigned to the DWF folder.
- ❑ The DWF folder will be archived with the project.

6.6.3.8 PDF Folder Rules

A Portable Document Format file (PDF) is an industry standard non-editable file format. PDF files will be created from the official project DWF files and stored in the PDF folder at the option of the design team. The use of PDF's has been included for convenience, this file format CANNOT be used in lieu of DWF files, and does not satisfy the requirement to properly create DWF files at each milestone reached.

The PDF folder will always contain the latest version of the source DWF file(s). The contents of a DWF, of the same issue, will always take precedence over that of the PDF.

- ❑ Sub-folders are not permitted within the PDF folder.
- ❑ The PDF folder has read-write permissions assigned to the owning discipline.
- ❑ Other disciplines have read permissions assigned to the PDF folder.
- ❑ The PDF folder will be archived with the project.

6.6.3.9 Publish Folder Rules

The Publish folder will be used as a sharing mechanism between disciplines. A discipline may copy Model files into its own Publish folder, making them available for other disciplines to reference. Other disciplines are not permitted to copy these files, but will instead externally reference them directly from the owner's Publish folder. The lead discipline's Publish folder will contain the Contract Border.

There will be only one Contract Border per project. **The only exception to this rule is when new drawings are added to the Contract Set as part of a Stage IV – PACC**. Refer to Section 6.7.11.7 titled StageIV_PACC for instructions.

It is important that this methodology for referencing design files from other disciplines be followed. If a user copies design files from another discipline's Model, Plotsheets or Publish folder then they must take ownership of the file. By taking ownership the discipline copying the file will then be responsible for all EAD CAD Standards compliance of that file (ex. file (re-)name, layers used etc..) as if it were created by that discipline.

- Sub-folders are not permitted within the Publish folder.
- Only copies of Model files shall be stored in the Publish folder, with the exception of the Contract Border.
- A discipline will not reference a file from within its own Publish folder, with the exception of the Contract Border for the Lead Discipline.
- The Publish folder has read-write permissions assigned to the owning discipline.
- Other disciplines have read permissions assigned to the Publish folder.
- The Publish folder will be archived with the project.

6.6.3.10 History Folder Rules

If a single file is to be published more than once, the file that exists in the Publish folder will be moved to a dated sub-folder within the History folder. The updated version of the file will then be copied into the root of the Publish folder. This will allow other disciplines to continue to reference older versions of reference drawings if required by their design schedule by changing the external reference path to the dated sub-folder within the History folder.

- Sub-folders are permitted within the History folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- Only copies of previously Published files will be copied to the History folder.
- The History folder has read-write permissions assigned to the owning discipline.
- Other disciplines have read permissions assigned to the History folder.
- The History folder will be archived with the project.

6.6.3.11 _DataShortcuts Folder Rules

The _DataShortcuts folder is only populated in folder structure for disciplines that use AutoCAD Civil3D as an authoring application. This folder exists only under CIVIL and GEOTECHNICAL Publish folder.

- Sub-folders are permitted within the _DataShortcuts folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- The _DataShortcuts folder has read-write permissions assigned to the owning discipline.
- Other disciplines have read permissions assigned to the _DataShortcuts folder.
- The _DataShortcuts folder will be archived with the project.

6.6.3.12 Received Folder Rules

The Received folder will contain a dated archive of design information received from outside sources. This folder is intended as a record to identify exactly what information consultants provided on what date.

- Sub-folders are permitted within the Received folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- The Received folder has read-write permissions assigned to the owning discipline.
- Other disciplines have no access to the Received folder.
- The Received folder will not be archived with the project.

6.6.3.13 Released Folder Rules

The Released folder will contain a dated archive of design information provided to outside sources. This folder is intended as a record to identify exactly what information consultants were provided with and on what date.

- Sub-folders are permitted within the Released folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- The Released folder has read-write permissions assigned to the owning discipline.
- Other disciplines have no access to the Released folder.
- The Released folder will not be archived with the project.

6.6.3.14 Schemes Folder Rules

The Schemes folder will contain various schemes of a design as well as any temporary design data. This folder provides the designer with an area in which to make trial changes to a design and a place to store temporary files. If a scheme is created and is later chosen as the final design version, the files stored under that scheme are to be copied to the Model folder.

- Sub-folders are permitted within the Schemes folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- The Received folder has read-write permissions assigned to the owning discipline.
- Other disciplines have no access to the Received folder.
- The Schemes folder will not be archived with the project.

6.6.3.15 SharedDocs Folder Rules

The SharedDocs folder will be used as a sharing mechanism between disciplines. A discipline may copy ManagementDocs files into its own SharedDocs folder, making them available for other disciplines to reference. Files stored within the SharedDocs folder are not to be referenced into any contract drawings and are provided as references only.

- Sub-folders are permitted within the SharedDocs folder (Refer to the Section 6.6.9 titled Folder Naming Convention for proper usage).
- Only copies of ManagementDocs files shall be stored in the SharedDocs folder, Model files are not permitted within the SharedDocs folder.
- Other Disciplines have read permissions assigned to the SharedDocs folder.
- The SharedDocs folder will not be archived with the project.

6.6.3.16 Submittals Folder Rules

The Submittals folder is a location for storing project information as it

appears at each milestone of the project. While the root Model, Plotsheets and Publish folders contain the current versions of drawings which

will change throughout the life cycle of the project, the Submittals folder will preserve the state of those drawings at the moment of each milestone.

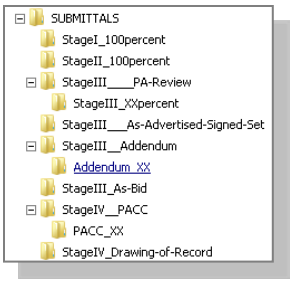


Figure 6 - G

Sub-folders have been created for each submission milestone from Stage I through Stage IV, Figure 6 - displays the sub-folders that have been created.

- Sub-folders are permitted within the StageIII_PA-Review, StageIII_Addendum and StageIV_PACC folders, by replacing the “XX” with the proper submission number
- The Submittals folder has read-write permissions assigned to the owning discipline.
- Other disciplines have read permissions assigned to the Submittals folder.
- The Submittals folder will be archived with the project.

For more information regarding the specific submittal milestones, refer to Section 6.7.11 titled Submissions.

6.6.3.17 CP Folder Rules

The CP folder is used for storing Confidential Privileged project drawings. The CP folder contains a Model, Plotsheet and Publish folder. These subfolders are to follow the same guidelines that have been previously identified for the Model, Plotsheet and Publish folders. For more information pertaining to the use of the CP folder refer to Section 6.11 titled Special Projects.

Sub-folders are not to be created within the CP folder.

- The CP folder has read-write permissions assigned to the owning discipline's approved users.
- Approved users of other disciplines have read permissions assigned to the CP folder.
- The CP folder will be archived with the project.

6.6.4 Sample Project

To simplify the exchange of information between the various PANYNJ departments, divisions and function groups as well as between consultants and contractors, every attempt will be made to adhere to both the drive mapping and directory structures defined within this section.

A sample project folder structure has been provided with the EAD CAD Standard as shown in Figure 6 - H.

Consultants are required to use this project folder structure replacing the word "Facility Name" with the Facility Code provided in Section 6.6.1 titled

Project Directory Structure and the letters "PID" with the eight (8) digit Project Identifier Number proved by the LEA.

A copy of the project folder structure can be found at:

"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Sample_Project"

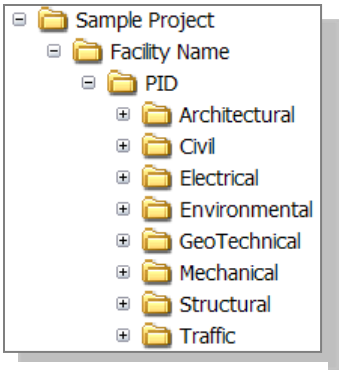


Figure 6 - H

6.6.5 File Naming Convention

All electronic project files such as DWG, DWF, Images and Office documents referenced by a contract drawing, will be named following the EAD CAD Standard File Naming Convention.

6.6.5.1 Discipline Codes

There are eight (8) disciplines within the E/A Design Division of the PANYNJ. All files referenced by contract drawings will be named beginning with the appropriate Discipline Code. The only exception to this rule is the Contract Border file.

Table 6 - B

Code	Discipline
A	Architectural
C	Civil
E	Electrical
N	Environmental
G	Geotechnical
M	Mechanical
S	Structural
T	Traffic

6.6.5.2 Contract Border File

The Contract Border file contains general information about the project. This drawing will be named using the eight (8) digit PID number followed by a dash (-) and then the initials “CB”. Since one Contract Border file is used by all disciplines of the project, no discipline code is used in its file name. The filename will also contain no spaces or description.

The filename will take the form of:

PID-CB.dwg

Acronym	Description
PID	Eight Digit Project Identifier Number
CB	Contract Border

For example, the Architectural discipline is the Lead Discipline for a project with a PID number of 01234567. The Contract Border shall be named as follows:

01234567-CB.dwg

Consultants may create their own Contract Border file only if they are the Lead Discipline. Otherwise, they will request the Contract Border from their EAD Task Leader and will place it in the Lead Discipline’s Publish folder.

If new drawings are added to the Contract Set during a Stage III – Addendum, the original Contract Border will be used and the new issue date will be included within the Revision Stamp.

If new drawings are added to the Contract Set during a Stage IV – PACC, a new Contract Border will be issued by the Lead Discipline. The new Contract Border will have a dash (-) followed by the date appended at the end of the file name in the form of -YYYY_MM_DD. The original Contract Border will remain un-changed and both files will co-exist within the Publish folder.

For example, the Traffic discipline is the Lead Discipline for a project with a PID number of 01234567 and new drawings are to be added to the Contract Set for a Stage IV – PACC occurring on November 21st, 2009. A new Contract Border will be issued and named as follows:

01234567-CB-2009_11_21.dwg

6.6.5.3 Model Files

Model files are working drawing files containing the actual design geometry and annotations; they may also include externally referenced files from either the discipline's own Model folder or other disciplines' Publish folders.

Model files will be named beginning with the Discipline Code, followed by the eight-digit PID number, a Model File Plan Type, an optional Sequence modifier and an optional User Description. Refer to the list of approved Model File Plan Types listed in Table 6 - C

Once defined a model file's name will not change through the life of the project. This restriction is required due to the nature of externally referencing Model files.

The filename will take the form of:

DPID-FP01-UserDescription.dwg

Acronym	Description
D	Discipline Code (Refer to Table 6-B in Section 6.6.5.1)
PID	Eight Digit Project Identifier Number
FP	Model File Plan Type (Refer to Table 6 - C)
01	Sequence Modifier (If used will be two digits)
User Description	A description of up to 24 characters, including spaces. The following characters are not permitted < > / \ " " : ; ? * | , = ' & %

Table 6 - C lists all allowable Model File Plan Types. For a listing of common Model File Plan Types for particular disciplines, refer to that specific discipline's appendix.

Table 6 - C

Model File Plan Type	Description
3D	3D Isometric
AA	Asbestos Abatement
ALN	Alignment Plan
AN	Annotations
AP	Auxiliary Power Plan
ASL	Asbestos Sample Location
BSE	Background Drawing
CD	Communication System Plan
CFP	Concrete Framing Plan
COM	Communication Plan
CP	Control Plan

Model File Plan Type	Description
CPP	Corrosion Protection Plan
CS	Construction Staging
CSD	Control Schematic
D	Decking Plan
DAT	Microsoft Office Document
DTL	Detail
EL	Exterior Elevation
EM	EMCS Plan
EP	Enlarge Plan
EV	Environmental Plan
FA	Fire Alarm

Model File Plan Type	Description
FD	Foundation Plan
FNP	Furniture Plan
FP	Floor Plan
FPW	Floor Plan Wall
FR	Framing Plan
FS	Fire Suppression Plan
GP	Grounding Plan
GRD	Grading Plan
GT	Geotechnical Plan
HDP	HVAC Ductwork Plan
HP	Hydraulic Profile
ICM	ITS Communication Plan
IDX	Index of Drawings
IEL	Interior Elevation
IMG	Image
JL	Joist Girder Load Diagram
KP	Keyplan
LA	Lead Abatement
LIP	Lighting Plan
LP	Landscape Plan
LR	Lightning Protection Plan
LSL	Lead Paint Sample Location
MD	Machine Design Plan
MH	Material Handling Plan
MIS	Miscellaneous
MLS	Marking Lighting & Signage
MT	Maintenance of Traffic Plan
NOT	Notes and Specifications Plan
ONL	One Line Diagram
PAV	Paving Plan
PB	Presentation Border
PIP	Piping Plan
PJ	Project Location
PL	Part Plan
PLP	Plumbing Plan
PM	Pavement Marking Plan

Model File Plan Type	Description
PP	Power Plan
PPL	Pre-cast Panel Layout Plan
PPP	Pollution Prevention Plan
PRF	Profile
QP	Equipment Plan
RCP	Reflected Ceiling Plan
RE	Reinforcement Plan
RI	Riser Diagram
RL	Removal
RM	Remediation Plan
RP	Roof Plan
SCH	Schedule
SE	Soil Erosion Plan
SEC	Section
SF	Stair Framing Plan
SG	Signal Plan
SK	Sketch
SNP	Sign Plan
SO	Sequence of Operation Plan
SP	Site Plan
SPK	Sprinkler Plan
SPP	Specialty Piping Plan
ST	Steel Framing Plan
STG	Staging Plan
TB	Truss Bracing Plan
TOP	Topographic Plan
TRK	Track Plan
UTL	Utility Plan
WD	Wiring Diagram
WET	Wetland Plan
WG	Wind Girt Plan
WTP	Water Treatment Plan
WWT	Wastewater Treatment Plan
XB	X Bracing Plan

The Sequence Modifier is restricted to the following two options:

- Option 1 – Without using the Sequence Modifier

For Example:

M01234567-SPK-Level 2 North Wing.dwg

M01234567-SPK-Level 2 South Wing.dwg

M01234567-SPK-Level 4 North Wing.dwg

M01234567-SPK-Level 4 South Wing.dwg

- Option 2 – Using the Sequence Modifier

For Example:

M01234567-SPK02-North Wing.dwg

M01234567-SPK02-South Wing.dwg

M01234567-SPK04-North Wing.dwg

M01234567-SPK04-South Wing.dwg

Note that each discipline can choose which of the options they will follow for the project.

6.6.5.4 Plotsheet Files

Plotsheet files are drawings assembled as sheets for plotting consisting of an externally referenced Contract Border, an inserted Drawing_Info block and externally referenced Model files from either the discipline's own Model folder or other disciplines' Publish folders.

Plotsheet files will be named beginning with the Discipline Code, followed by the eight digit PID number, followed by a dash (-), followed by the Series Modifier and then the Sheet Number or Sheet Number Range. The Plotsheet file is not permitted to have a user description appended to its name.

The filename will take the form of:

DPID-PTXX01.dwg (For Plotsheet files containing a single layout)

DPID-PTXX01_PTXX20.dwg (For Plotsheet files containing multiple layouts)

Acronym	Description
D	Discipline Code (Refer to Table 6-D)
PID	Eight Digit Project Identifier Number
PT	Plotsheet Plan Type (Refer to Table 6-D)
XX	Series Modifier (Refer to Chapter 6.6.8)
01	Single Sheet Number
XX01_XX20	Starting Layout Tab Sheet Number to Ending Layout Tab Sheet Number

6.6.5.4.1 Plotsheet Plan Type

Plotsheet Plan Types are categories used for organizing Contract Drawings and refer to the single or double letters that appear before the sheet number in the lower right hand corner of each Plotsheet.

A listing of the Plotsheet Plan Types usable by specific discipline appears in Table 6 - D.

Table 6 - D

Useable By	Description	Plotsheet Plan Type
All Disciplines	General Plan	G
	Stage IV Sketch Sheets (For Stage IV use only)	SK
Architectural	Architectural Plan	A
	Landscape Plan	LS
Civil	Civil Plan	C
	Construction Staging or Sequence Plan	CS
	Marking Lighting & Signage	ML
	Maintenance of Traffic	MT
Electrical	Electrical Plan	E
	Corrosion Protection Plan	CP
	Electronics Plan	ES
	Marking Lighting & Signage	ML
Environmental	Environmental Plan	N
Geotechnical	Geotechnical Plan	GT

Mechanical	Mechanical Plan	M
	Baggage Handling Plan	B
	Fire Protection Plan	FP
	Plumbing Plan	P
	Sprinkler Plan	SP
	Vertical Transportation Plan	VT
Structural	Structural Plan	S
Traffic	Traffic Plan	T
	Construction Staging or Sequence Plan	CS
	Intelligent Transportation Systems	ITS
	Maintenance of Traffic Plan	MT
	Signal Plan	SG

For Example:

M01234567-SP001.dwg

E01234567-ES001_ES004.dwg

6.6.5.5 DWF Files

A DWF file is a non-editable highly compressed file format created from a DWG file.

DWF files will be named beginning with the Discipline Code, followed by the eight digit PID number, followed by a dash (-) and then the Sheet Number Range. The DWF file is not permitted to have a user description appended to its name. Two forms of DWF files can exist, Single Sheet and Multi Sheet.

The DWF filename will take the form of:

DPID-PTXX01.dwf (Single Sheet)

DPID-PTXX01_PTXX20.dwf (Multi Sheet)

Acronym	Description
D	Discipline Code
PID	Eight Digit Project Identifier Number
PT	Plotsheet Plan
XX	Series Modifier (Refer to Section 6.6.6)
01	Single Sheet Number
XX01_XX20	Starting Sheet Number to Ending Sheet Number

DWF files will be submitted as multi-sheet files at every submittal milestone of the project and will be created:

- From the current set of Plotsheet files
- Full Size (either 22x34 or 34x56)
- In black and white
- In consecutive order

- Grouped together by Plotsheet Plan Type

When using Series, the DWF files will be named by grouping them together by Plotsheet Plan Type. PDF files are not permitted as substitutions for DWF files.

For Example:

T01234567-G001_G007.dwf

T0124567-T101_T307

6.6.6 Drawing Number Convention

A Series is a numbering code used to organize sheets in the Contract Drawing Set.

A description of what each number in a series represents will be defined at the start of every project by each discipline's Task Leader. At the start of each project the LEA will determine whether a one or a two digit series is to be used for all disciplines of the project.

For Example:

The LEA on a project is from Structural and decides that only "9 or less" series are needed. Structural would select option one. Electrical, however, decides that "10 or more" series are needed. Electrical would select option two. Since the LEA is from the Structural discipline the determination for all disciplines is to be made by them if Electrical requires the two-digit series option then they must request that the LEA use that option for all disciplines. These two formats **cannot** co-exist on the same project.

Option One (One digit series)

Plotsheet Plan Type	Series Number (01 through 09)	Counter Number (01 through 99)
S	01	01

For projects with nine or less series the sheet number format will include a one or two letter Plotsheet Plan Type followed by a one-digit series number followed by a two-digit sheet "counter" number.

- Use digits "1" through "9" as the series numbers
- Series numbers can be skipped.
- Counter numbers must be consecutive numbers beginning at "01" for each series.

- Option Two (Two digit series)

For projects with ten or more series the sheet number format will include a one or two letter Plotsheet Plan Type followed by a two-digit series number followed by a two-digit sheet "counter" number.

- Use digits “01” through “99” as the series numbers
- Series numbers can be skipped
- Counter numbers must be consecutive numbers beginning at “01” for each series.

❑ Option Three (Without Series Pg. 30)

For projects that are not using a series the sheet number format will include a one or two letter Plotsheet Plan Type followed by a three-digit sheet “counter” number.

- Counter numbers must be consecutive numbers beginning at “001”.

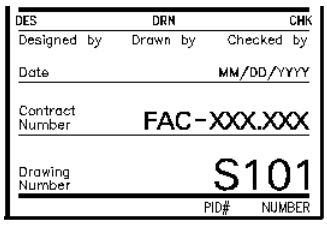
The Sheet Number will take the form of:

Plotsheet Plan Type	Series Number (1 through 9)	Counter Number (01 through 99)
S	1	01

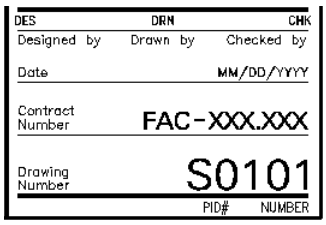
Plotsheet Plan Type	Series Number (01 through 09)	Counter Number (01 through 99)
S	01	01

Plotsheet Plan Type	Counter Number (001 through 999)
S	001

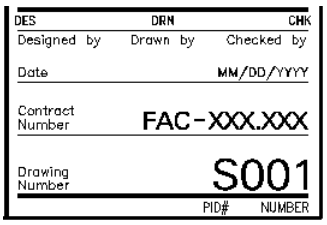
The following images display how the three options would appear on a Structural Plotsheet.



Option 1



Option 2



Option 3

6.6.7 Folder Naming Convention

All sub-folders created within the pre-defined folder structure will be named using the date, followed by a dash (-), followed by a User Description and will take the form of:

YYYY_MM_DD-User Description

Acronym	Description
YYYY	Four digit Year
MM	Two digit Month
DD	Two digit Day
User Description	A description of up to 24 characters, including spaces. The following characters are not permitted < > / \ “ ” : ; ? * | , = ‘ & %

6.7 CAD Practices and Procedures

CAD drawing files must be consistently formatted in order to provide an effective method of data dissemination and retrieval. To that end, these standards will guide the user in the requirements of layer naming, graphic symbology, lettering styles, drawing units and other drawing related features.

6.7.1 Coordinate Systems

In an effort to organize, consolidate and standardize the information generated and consumed by all divisions within the agency, Coordinate Systems must be used on all projects. The objective of this requirement is to make the data files easier for users to identify and integrate in planning and design.

The default horizontal systems are the State Plane NAD83 New York East and Long Island Foot systems and default vertical system is the State Plane NGVD88 system. If another Coordinate System is to be used on a project that determination must be made by the LEA at the beginning of the project.

6.7.2 Layering Scheme Definition

All layers contained within E/A Design Division drawings have been defined using variations of the Tri-Services and the AIA layer guidelines and standards. All disciplines use a layer standard that is similar. The major components of a standard layer name are defined as follows:

Discipline-Major-Minor-Description-Phase

Acronym	Description
Discipline	Discipline Code
Major	Major grouping of features that have common characteristics
Minor	Sub grouping of Major category
Description	Extended description of layers for clarity
Phase	Indication of the information's current Phase (Refer to Table 6-F)

Table 6 - E

CODE	Discipline
A	Architectural
L	Landscape
C	Civil
E	Electrical
N	Environmental
G	Geotechnical
M	Mechanical
S	Structural
T	Traffic

Table 6 - F

CODE	PHASE
EXST	Existing
OTHR	Work by others
RELO	Relocation
RMVL	Removal
TEMP	Temporary

Note that the discipline codes listed in Table 6 - E are for layer definitions only and may not reflect the correct discipline codes for file naming.

For Example:

C-UTIL-STRM-IDEN or C-UTIL-STRM-SYMB-RELO or C-UTIL-STRM-SYMB-RMVL

The E/A Design Division layering stratagem consists of eleven discipline groups and a general group that corresponds to spatial data layers to assist in the isolation of information for design purposes and for the translation and use with GIS. Although every attempt has been made to create an all-encompassing standard, reality dictates that additions will need to be made to the layer stratagem. In the case that additions are required, they will only be accepted as additions to minor or description categories. If an addition is required for the discipline or major categories then a Request to Change Standard Form is required. Refer to Section 6.27 titled Appendix L – Request to Change Standard.

6.7.3 Entity and Layer Linetypes

Standard E/A Design Division linetypes have been created for use with all design documents. These linetypes have been assigned to their respective layers in the <Layers.dwt> drawings, which have been provided for each discipline as part of this standard. Additional linetypes have been created for special circumstances when the lettering within a linetype needs to be rotated. Many of the linetypes supplied require the use of a textstyle named LINEFONT, starting a drawing with the template drawings provided as part of this standard will ensure that the linetypes are loaded correctly. All entities will have their linetype assigned “bylayer” and not “byentity”. The two exceptions to this are:

- Symbol entities that have their linetypes assigned to “byblock”.
- The use of “short” or “rotated” variations of a linetype needed for a particular entity.

To ensure correct linetype scaling settings for Plotsheet drawings the “LTScale” and “PSLTScale” variables will be set to “1”. This sets all linetypes to be scaled based on the paper space viewport scale factor.

For design (MODEL) files, which utilize model space, will have the “LTScale” variable set to the drawing scale.

For discipline specific linetype usages refer to Sections 6.16 through 6.22.4.1

6.7.4 Entity and Layer Colors

All entities will be drawn on the specified layers and must have color assigned to “bylayer” and not “byentity”. Layer color assignments are included in the layer definitions provided.

For discipline specific color usages refer to Sections 6.16 through 6.22.4.1

6.7.5 Symbology

A symbol is defined as a pre-arranged group of geometry that can be inserted at scale into a drawing. The AutoCAD term for a symbol by this definition is “block”. There are two (2) types of symbols provided in this standard, Scalable and Non-Scalable symbols. Standard E/A Design Division symbols have been provided as part of this standard.

For discipline specific symbol definitions refer to Sections 6.16 through 6.22.4.1

6.7.5.1 Scalable Symbols

Scalable symbols are created with the intent that they will appear the same size when plotted at different scales.

- Symbols are created on Layer “0” and will automatically take on the characteristics of the layer they are inserted on. All symbols will be inserted on the layer identified within this

standard.

- For ease of use, the insertion scale factor of each scalable symbol will depend on the plot scale.

For Example:

If the scale of the viewport is 1:30, then each symbol inserted in the drawing will be scaled up by a factor of 30. If the scale of the viewport is 1/8"=1'-0", the symbol will be inserted into the drawing with a scale factor of 96.

6.7.5.2 Non-Scalable Symbols

Non-Scalable symbols are created with the intent that they will appear at true size for all plot scales.

- Symbols are created on Layer "0" and will automatically take on the characteristics of the layer they are inserted on. All symbols will be inserted on the layer identified within this standard.
- The insertion scale factor for all Non-Scalable symbols will be "1".

6.7.5.3 Creating Symbols

Symbols must be documented and supplied to the CAD committee in digital format as a single AutoCAD drawing file accompanied by a plot of the symbol and a Request to Change Standard Form found in Section 6.27 titled Appendix L – Request to Change Standard.

- Symbols will be created on Layer "0". Other layers may be present in the drawing for supplemental information such as text within the symbol.
- Symbols will be created using the current version of AutoCAD software in use by the E/A Design Division.
- Colors and Linetypes will always be set to "bylayer".
- Text within the symbol will utilize one of the Text Styles provided within this standard so that it is legible upon plotting.
- The symbol will be drawn so that the insertion point is located appropriately and is at 0,0,0.
- The "base" of the drawing will be set to 0,0,0.
- The symbol drawing will be purged of all unused blocks, layers, linetypes, text styles, etc.

6.7.6 Plotted Lineweights

Table 6 - G

Variable	Value
Color	Black
Dither	On
Virtual Pen Number	Automatic
Linetype	Use Object Linetype
Adaptive	On
Line End Style	Use Object End Style
Line Join Style	Miter
Fill Style	Use Object Fill Style

The colors used in the layer definitions provided within this standard correspond to plotted pen weights. AutoCAD products make use of a CTB file to assign pen weights to object colors. All E/A Design Division Contract Drawings are to be plotted using the “PA-Master.ctb” file that is provided with this standard. Many variables within the CTB file remain constant throughout the pen assignments, these variables are defined in Table 6 - G. The pen numbers, lineweights and percent screening assigned to the pens used in the “PA-MasterFull.ctb” file are displayed in Table 6 - H. The values displayed in Table 6 - G and Table 6 - H are for Contract Drawings, disciplines are permitted to use their own ctb files for presentation purposes.

Table 6 - H

Pen	Color	Weight	Screen
1		0.0100	100%
2		0.0140	100%
3		0.0200	100%
4		0.0360	100%
5		0.0080	100%
6		0.0240	100%
7		0.0080	100%
8		0.0080	100%
9		0.0080	100%
10		0.0140	100%
11		0.0180	100%
12		0.0100	100%
13		0.0280	100%
14		0.0080	100%
15		0.0140	100%
20		0.0180	100%
21		0.0080	100%
23		0.0200	100%
24		0.0320	100%
30		0.0400	100%
31		0.0080	100%
32		0.0200	100%
33		0.0240	100%
35		0.0240	100%
37		0.0080	100%
40		0.0200	100%
41		0.0140	100%
42		0.0080	100%
43		0.0240	100%
46		0.0040	100%
50		0.0200	100%

Pen	Color	Weight	Screen
51		0.0280	100%
52		0.0240	100%
53		0.0040	100%
54		0.0100	100%
60		0.0160	100%
61		0.0100	100%
62		0.0080	100%
71		0.0100	100%
80		0.0100	100%
81		0.0200	100%
82		0.0140	100%
83		0.0080	100%
90		0.0240	100%
92		0.0120	100%
93		0.0080	100%
96		0.0100	100%
100		0.0160	100%
110		0.0080	100%
120		0.0200	100%
121		0.0140	100%
130		0.0100	100%
131		0.0200	100%
132		0.0040	100%
133		0.0080	100%
140		0.0240	100%
141		0.0320	100%
142		0.0180	100%
143		0.0080	100%
144		0.0720	100%
148		0.0100	30%
150		0.0280	100%

Pen	Color	Weight	Screen
170		0.0200	100%
172		0.0240	100%
180		0.0040	100%
190		0.0080	100%
191		0.0140	100%
192		0.0240	100%
194		0.0200	100%
200		0.0100	100%
201		0.0280	100%
202		0.0100	100%
210		0.0160	100%
211		0.0320	100%
212		0.0140	100%
220		0.0200	100%
221		0.0040	100%
222		0.0100	100%
223		0.0040	100%
230		0.0160	100%
231		0.0240	100%
232		0.0440	100%
234		0.0160	100%
240		0.0040	100%
241		0.0080	100%
242		0.0040	100%
244		0.0080	100%
250		0.0040	80%
251		0.0080	70%
252		0.0080	60%
253		0.0080	50%
254		0.0040	40%
255		0.0480	100%

6.7.7 Text Styles and Heights

To promote consistency in Contract Drawings as well as prevent the use of "third-party" un-licensed AutoCAD font files, and to ensure a consistent plotted appearance of text, only ARIAL.TTF, ARIALN.TTF, and RomanS fonts are permitted for use on E/A Design Division Contract Drawings. It should be noted that RomanS font is not permitted for general use, being reserved specifically for use in Line Types that contain text.

Seven Text Styles have been provided as part of this standard. Three of the Text Styles provided (ARIAL, ARIALN, and Linefont) are used for Contract Border, Drawing Information or Linetype definitions and are not permitted for general use by the disciplines. The remaining four Text Styles provided, which are permitted for use by the disciplines are created as annotative styles and utilize ARIAL.TTF font. Annotative styles allow the AutoCAD product to scale the text heights appropriately based on the scale of the plotted drawing. The Text Styles provided are:

Text Style	Plotted Height	Annotative	Font	Description of Usage	Usable by Disciplines
PA – 0.10	0.10"	Yes	ARIAL.TTF	Normal Text	Yes
PA – 0.15	0.15"	Yes	ARIAL.TTF	Headings	Yes
PA – 0.20	0.20"	Yes	ARIAL.TTF	Titles	Yes
PA – 0.25	0.25"	Yes	ARIAL.TTF	Alternate Titles	Yes
Linefont	0.10"	No	RomanS.shx	Linetype Definitions	No
ARIALN	Varies	No	ARIALN.TTF	Contract Border and Drawing Info	No
ARIAL	Varies	No	ARIAL.TTF	Contract Border and Drawing Info	No

6.7.8 Dimension and Leader Styles

To promote consistency in Contract Drawings only the Dimension and Leader Styles that have been provided as part of this standard are permitted for use. The Three Dimension Styles and eight Multi-Leader Styles that have been provided are:

Dimension Style	Arrow Head	Content	Unit Type
PA-Arrow	Closed Filled Arrow	0.10" Mtext	Inches
PA-Arrow-Deci	Closed Filled Arrow	0.10" Mtext	Feet
PA-Tick	Tick	0.10" Mtext	Inches

Multi-Leader Style	Arrow Head	Content
PA-Arrow	Closed Filled Arrow	0.10" Mtext
PA-Loop	Open Loop	0.10" Mtext
PA-Circle	Dot Blank	0.10" Mtext
PA-Dot	Dot	0.10" Mtext
PA-Integral	Integral	0.10" Mtext
PA-DOT-Keynote-Box	Dot	Box
PA-DOT-Keynote-Circle	Dot	Circle
PA-DOT-Keynote-Hex	Dot	Hexagon

6.7.9 Table Styles

As with the text and dimension styles, the EAD CAD Standard has provided Table Styles as part of this standard in an attempt to promote consistency throughout the creation of Contract Drawings.

Table Style	Description of Usage
PA-Index	Drawing Index
PA-Legend	General Legends

6.7.10 External Reference Files

All external reference drawings will be attached as “Overlays”. By adhering to this process, all users will be able to use drawings within their own disciplines as well as drawings from other disciplines without concern for circular references and other potential problems. The path type will be set to “Relative Path”, for both, external reference drawings and external reference images, this process will ensure the proper exchange of drawings and/or images between in-house staff and outside consultants.

6.7.11 Submissions

CAD files in DWG and DWF format, accompanied with hardcopies are required at every Submittal Milestone.

Until project completion, all current working drawings are saved in the MODEL, PLOTSHEETS and PUBLISH folders of each discipline’s root directory.

At every Submittal milestone, the working project information will be copied into the SUBMITTALS folder for archiving, in order to preserve the state of the drawings at the moment of that milestone. At the completion of every milestone, each discipline will copy its MODEL, PLOTSHEETS and PUBLISH folders, along with the MANAGEMENTDOCS and PHOTOS folders, into the appropriate milestone sub-folder within SUBMITTALS. Refer to Section 6.6.3.14 titled Submittals Folder Rules for a listing of Submittal Folders provided.

Once the folders have been copied, the involved Task Leaders will notify the LEA, who will then notify the CAD Support Group by filling out the Project Archival Request Form on EOL. Refer to Section 6.26.2 titled Request Project Archival. Upon notification, the CAD Support Group will move the files to the Archive server, mapped internally as the “N:\” drive, leaving behind a text file named ARCHIVED YYYY-MM-DD.txt containing the exact location where the files can be found.

The CAD Support Group will only move files from the discipline’s SUBMITTALS folder to the ARCHIVE server.

The SUBMITTALS folder is for internal use only. Consultants are required to submit the entire Project Folder Structure as outlined in Section 6.4 titled Digital Submittal Requirements, containing not only the Discipline folder in which their drawings are saved but also all other Discipline folders from which external references were made.

Consultants will submit their folder structure directly to their own Discipline’s Task Leader. The Task Leader will copy the consultant’s MODEL, PLOTSHEETS and PUBLISH folders, along with the MANAGEMENTDOCS and PHOTOS folders, into both the discipline’s root directory and the appropriate milestone sub-folder within SUBMITTALS.

6.7.11.1 StageI_100percent

Stage I (Conceptual Design) is necessary for some projects to develop design concepts, determine anticipated construction costs and schedules, and to compare alternatives before proceeding with Design Development (Stage II) or Final Design (Stage III).

6.7.11.2 StageII_100percent

Stage II (Design Development) is necessary to develop the chosen design concept, further refine anticipated construction costs and schedules before proceeding with contract documents.

6.7.11.3 StageIII_PA-Review

The Stage III (Final Design) effort includes preparation of contract documents that will be used for construction. The procedures vary for alternate delivery methods such as Quick Bid Contracts, Work Order Contracts, Design/Build Contracts and Design/Build/Operate/Maintain Contracts.

PA Review usually happens when the project is between 90% to 95% complete, this may vary depending on the project specifics. When a project reaches PA-Review, drawings are required so the Electronic Review Process can begin.

6.7.11.4 StageIII_As-Advertised-Signed-Set

The As-Advertised-Signed-Set is when the project reaches 100% Submission and Mylars are plotted and signed.

6.7.11.5 StageIII_Addendum

Addenda happen after the Mylar Set is plotted and signed. Some Addenda might not contain drawing modifications, some might only contain Specs. For this reason, the StageIII_Addendum Set might contain non-consecutive Addenda sub-folders. This folder should only contain the Addenda sub-folder in which drawings were required. This folder should not contain the entire set of CAD files; it should only contain the Addenda files.

The revision procedures detailed in section 6.10.2.6 Making Revisions in Contract Drawings apply to Addenda.

6.7.11.6 StageIII_As-Bid

The As-Bid Set is the Bid and Awarded Set of Drawings, which incorporates all the addenda that have been issued.

6.7.11.7 StageIV_PACC

The PACC Set (Post Award Contract Changes) contains drawings that have been modified or new drawings that have been issued after the Contract was awarded.

The revision procedures detailed in section 6.10.2.6 Making Revisions in Contract Drawings apply to PACC Sets.

6.7.11.8 StageIV_Drawing-of-Record

The Drawing-of-Record Set is the set of drawings created after construction is completed.

6.8 CAD Environment Setup

In order to plot successfully using this standard, some configuration of the AutoCAD environment will be necessary. This configuration will only need to be done once and will streamline plotting moving forward.

6.8.1 AutoCAD 2014 Configuration (Plotting by Layout)

AutoCAD 2014 options must be modified to insure proper placement of the Contract Border in the paper space layout environment.

To make the required modifications, right click within the drawing pane and select Options. From within the Options dialog, select the Display tab and make the changes shown in Figure 6 - E to the "Layout Elements" portion of the tab and then select "OK".

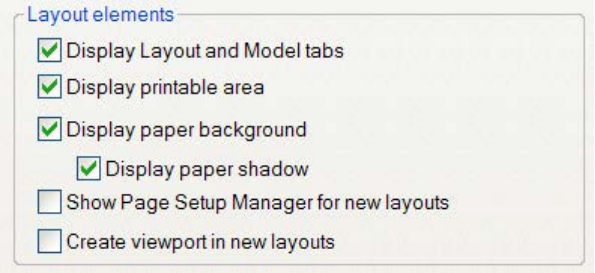


Figure 6 - E

The Layout Elements settings that were changed affect the workstation and will not need to be reconfigured in future sessions.

6.8.2 Template Drawing Setup

For proper plotting and consistency, the EAD CAD Standard makes use of template drawing files. Supplied with this standard are two primary template files, "PA-deci-feet.dwt" for Decimal units and "PA-arch-inch.dwt" for Architectural units. Also provided are several discipline-specific templates, to be used as directed by each discipline's Task Leader (see Template Files list on p. 10). To install either of these template drawings, copy them to the appropriate "Template" directory in your AutoCAD environment install directory.

All templates are essentially blank drawings saved with the extension ".dwt", that have been started from scratch, been assigned a unity type and make use of a CTB file. In addition both templates have the Text Style LINEFONT defined for use with the EAD CAD Standard linetypes. If you currently have a drawing template ensure that your template has the "Use Color Dependent Plot Styles" option selected and the "Default plot style table" set to "PA-MasterFULL.ctb" as shown in Figure 6 - F. These options are found under the "Plot Style Table Settings" button of the Plot and Publish tab in the Options dialog box.

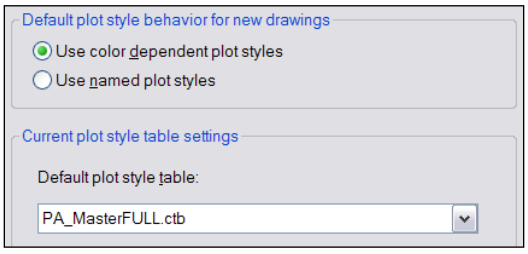


Figure 6 - F

6.8.3 Units

Every object created is measured in drawing units. Before drawing can begin, the drawing units used will need to be decided based on the type of plan being drawn. All drawings will be created at actual size with the unit convention decided on.

For Example:

For a drawing with units assigned to inches a distance of one drawing unit represents one inch in real-world units.

Template files have been provided for both, Architectural units (inches) and Decimal units (feet). These templates can be found at:

"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Template"

The creation of all drawings will be accomplished by using one of the two templates provided with the EAD CAD Standard. By adhering to this process problems will be avoided when loading custom EAD linetypes. For a listing of which templates are typically used by each discipline refer to Figure 6 - .

Table 6 - I

Architectural Units	Decimal Units
Architectural	Civil
Electrical	Environmental
Mechanical	Geotechnical
Structural	Traffic

6.8.4 Page Setups

Page Setups enable the user to save specific settings within the AutoCAD plotting environment. The Page Setups created for the in-house designers make use of PC3, PMP and CTB files as well as configuration changes. PC3 files are typically copied to the "Plotters" folder under the root AutoCAD installation directory. The Page Setups created for in-house use are located on the internal network at:

"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Page Setups\"

6.9 Plot Setup

All drawings will be plotted from a paper space layout tab. The tab will be named the same as the sheet number being plotted. Full-size and Half-size sheets may be plotted from a single layout by utilizing page setups. Multiple layouts are not to be used for the separation of Full-size and Half-size sheets. Multiple layouts may be used for the plotting of multiple sequential sheets.

Stage I CAD Standard

In an effort to streamline the CAD projects within the E/A Design Division a comprehensive CAD Standard has been developed. Although this standard was intended for use with projects that are at Stage II or beyond, many of the ideas are to be implemented during the Stage I effort.

6.9.1 Stage I Project Directory Structure

The project directory structure, which resides on the "M:\" drive and is described in Section 6.6 titled Project Directory Structure and File Naming Convention of this document will be maintained.

6.9.1.1 Project Identifier Number

A project identifier is assigned when the first charge code is developed. If a PID is available, a project folder with the PID will be created in the appropriate facility folder located on the "M:\" drive. If a PID is not available, a project folder will be created within the Pre-Projects folder located on the "M:\" drive.

6.9.1.2 File Naming Convention

If a PID is available, the project naming convention identified in Section 6.6.5 titled Filenaming convention will be maintained. If a PID is not available, a number generated by the CAD Support Group will temporarily substitute for the PID, until one is available.

6.9.1.3 Layering Scheme

The layering scheme explained in Section 6.7.2 titled Layering Scheme Definition of this document will be maintained. The layer colors may be adjusted to suit the needs of any presentations being prepared.

6.9.1.4 Entity and Layer Linetypes

Linetypes will be used as described in Section 6.7.3 titled Entity and Layer Linetypes of this document. If additional linetypes are created for illustration purposes, the linetype file must accompany the CAD file. The linetype file shall use the PID in the name.

6.9.1.5 Entity and Layer Colors

All Entities and Layers will have their color assigned to "bylayer".

6.9.1.6 Symbology

The symbols provided with this standard will be used whenever possible. If a new symbol is created it will not have its colors assigned to "byblock". To achieve multiple colors within a block, the creator will make use of multiple layers within the block definition.

6.9.1.7 Text Styles and Heights

It is understood that for presentation purposes a deviation from the standard text styles will occur. If third party fonts are used, those fonts must accompany the CAD file. Fonts that are not freely distributable or "shareware" are not to be used.

6.9.1.8 Dimension Styles'

If new dimension styles are created for presentation purposes, the names of the styles will be appropriate for the type of dimension being created. Also, all Text Styles created for use within the dimension style will have the prefix "DIM_".

6.9.2 Stage I External Reference Files

As stated in Section 6.7.10 titled External Reference Files of this standard, “Overlays” and “Relative Paths” are to be used.

6.9.2.1 Plot Setup

All drawings will be plotted from paper space layout tabs as described in Section 6.9 titled Plot Setup of this standard. The lead discipline is responsible for creating and making available page setups necessary for plotting. Further, any CTB files used other that those provided with this standard will accompany the CAD file. If used, the CTB created will have the PID prefixed to the file name.

6.9.2.2 Plan Set Preparation

It is the responsibility of the lead discipline to prepare and distribute the border for the Stage I effort. Whenever possible the “ANSI” borders provided with this standard are to be used.

6.10 Plan Set Preparation

6.10.1 Plan Set Title Sheet

The term "Title Sheet" refers to the top most sheet of the plan set. The Title Sheet border has undergone an extensive review by the CAD Committee. The use of block attributes will insure consistency between contracts and improve the appearance of all contract sets. It is important to maintain the integrity of the Title Sheet, therefore, the Title Sheet is never to be exploded. Illustrations of the Title Sheets can be found in Section 6.26.1 titled Title Sheet.

6.10.1.1 Title Sheet Configuration

The Title Sheet border drawing has purposely been created in paper space. As a result, this border drawing cannot be inserted as a block or externally referenced into other drawing files. The process for defining a Title Sheet is as follows.

- Begin by opening the Title_Sheet.dwg file located at:

  K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders\

- Once open, Save the drawing to the appropriate project sub-folder.
- Enter the appropriate values for each attribute provided in the Title Sheet.

6.10.1.2 Entering Title Sheet Information

Each Title Sheet drawing file provided with the standard has three signature lines defined. They are:

- Deputy Director Engineering / Design
- Program Director XX or Sr. Program Manager / Program Manager
- Chief Engineer

There are two possible options for the signature lines. Refer to Table 6 - J and Table 6 - K to identify which option to use based on your contract type and cost and to determine which Layers are to be turned off for each option.

Table 6 - J

Contract Type	Engineer's Estimate	Title Sheet Signatures Required	Option to Use
M/WBE Contracts	Up to $1,000,000	Chief of Design, E/A Design Division Sr. Program Manager / Program Manager	Option 1
	Above to $1,000,000	Chief of Design, E/A Design Division Program Director Chief Engineer/Director	Option 2
Work Order Drawings and Standard Contracts	Up to $2,500,000	Chief of Design, E/A Design Division Sr. Program Manager / Program Manager	Option 1
	Above to $2,500,000	Chief of Design, E/A Design Division Program Director Chief Engineer/Director	Option 2

Table 6 - K

Layer Name	Status for Option 1	Status for Option 2
GN-ANNO-TTLB-CHIF	OFF	ON
GN-ANNO-TTLB-PDIR	OFF	ON
GN-ANNO-TTLB-PMAN	ON	OFF

Under no circumstance will the Title Sheet border be exploded or modified. Figure 6 - L shows the default Title Sheet provided with the EAD CAD Standard. The “WORK ORDER No.” line has been turned off by default and layer GN-ANNO-TTLB-WRKO is to be turned on if a WORK ORDER No. needs to be entered.

Figure 6 - G

The “PROGRAM DIRECTOR” line contains an attribute, which by default is set to XX. The XX value is to be replaced with one of the following options:

- TB&T
- PORT COMMERCE
- AVIATION
- PATH / E&WD
- SECURITY

Under the Contract Number the letters “FAC” are to be replaced with the appropriate Facility Code listed in Table 6 - A and then followed by the Contract Number itself.

Multiple stamps have been provided within the Title Sheet and are to be turned off when necessary. The stamps provided and the layers on which they are stored are show in Table 6 - L.

Table 6 - L

Stamp	Layer Name
FAA	GN-ANNO-TTLB-FAA
Law Review	GN-ANNO-STMP-LAWR
Preliminary	GN-ANNO-STMP-PRLM
Submission	GN-ANNO-STMP-SUBM

6.10.1.3 Using the Revision Block within the Title Sheet

A revision block named "Drawing_Info – Stamp_Revision.dwg" has been provided with the EAD CAD Standard. When revisions are made this block is to be inserted using an endpoint snap to the upper left corner of the previous revision line. Figure 6 - H displays where the revision stamp is to be inserted. The stamp is located on the network at:

"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract Borders\Stamps\"

Once inserted the revision block will prompt the user for information pertaining to the revision. Under no circumstances will the revision block be exploded or modified.

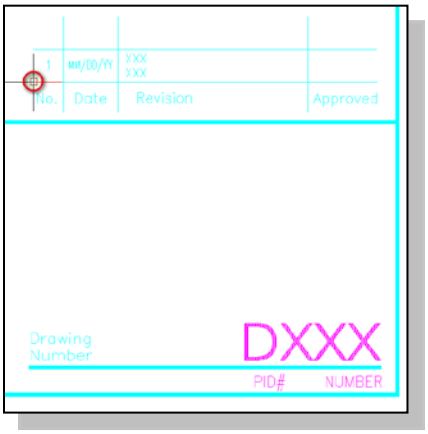


Figure 6 - H

6.10.1.4 Plotting the Title Sheet

The layout for the Title Sheet will be configured to use one of the page setups supplied within this standard. As previously stated, outside consultants will need to configure the page setups for their own use and for the particular environment they are working in. After importing an appropriate page setup the Title Sheet will be configured to plot by layout and use the PA-MasterFull.ctb plot style.

6.10.2 Plan Set Plot Sheets

Plotsheet files are drawing files assembled as sheets for printing. These drawings consist only of external reference files and the items indicated below. No linework is permitted within Plotsheet drawings in either Model or Paper space with the following exceptions:

- North Arrows
- Graphic Scales
- Revision Clouds and Revision Cloud Text
- Match Lines and Match Line Text
- View Titles
- Blocks with the prefix "Drawing_Info"

All Plotsheet files shall make use of a relevant PANYNJ Graphic Scale symbol. Such a scale bar is critical for any party viewing the drawings to be able to verify distances within the drawing. Since these standardized symbols scale with the drawing, if the drawing is shrunken or enlarged, the scale remains a valid reference to compare drawing content against. In the absence of a such a scale bar, there is no way

of telling whether the scale noted is accurate, and thus it is mandatory to include a standardized PANYNJ Graphic Scale, available through the PANYNJ CAD Standards website, on each Plotsheet drawing.

In order to comply with this standard, each project will have a single Contract Border that will be created by the Lead Discipline and will be stored in that discipline's PUBLISH folder. All other disciplines will externally reference the border from the Lead Discipline's PUBLISH folder. This border will contain all information pertinent to the project itself. Once the Contract Border is properly referenced into each sheet the appropriate "Drawing_Information" block is to be inserted into each layout tab. The Drawing_Information block will contain all drawing specific information. Illustrations of the Contract Borders provided can be found in Section 6.25 titled Appendix J – Contract Borders and Title Sheets.

Outside consultants are required to reproduce the folder structure as specified in Section 6.6.4 titled Sample Project by copying the Sample Project and replacing the Facility name and PID with those of the current project. All backgrounds (including the Contract Border) provided by the E/A Design Division will go into their respective discipline folders.

6.10.2.1 Configuring the Contract Border

To create the project border, open the "Contract_Border.dwg" file provided with this standard fill in all attribute information requested and save it to your discipline's PUBLISH folder with the name following the format described in Section 6.6.5.2 titled Appendix J – Contract Borders and Title Sheets.

As with the Title Sheet, the "WORK ORDER No." line has been turned off by default and layer GN-ANNO-TTLB-WRKO is to be turned on if a WORK ORDER No. needs to be entered.

For a listing of Contract Border files that have been provided with this standard refer to Section 6.5.2 titled Distribution Files.

6.10.2.2 Referencing the Contract Border

To create a Plotsheet file, begin by externally referencing the Contract Border that was configured in the previous section. The border is to be referenced into a paper space layout, that has been configured following the steps outlined in Section 6.9 titled Plot Setup, with an insertion point of 0,0. Under no circumstances will the contract border be exploded, renamed or modified.

6.10.2.3 Inserting the Drawing Information

Once the Contract Border has been externally referenced the "Drawing_Info.dwg" block will need to be inserted. This block will be inserted with an insertion point of 0,0 and all attribute information is to be filled out.

The "Drawing_Info.dwg" block contains a pair of lines that state "Original Signed By" and "Original Signee". These lines of text are stored on the layer GN-ANNO-TTLB-SIGN, which by default is turned off. The "Original_Signee" attribute field is to be filled in using the name of the person that signed the mylars. The layer this information is on is to be turned on when DWF files are created for any Stage of the drawings beyond signature. Figure 6 - I and Figure 6 - J display this text OFF and ON. Note, this attribute is only required for internal use and outside consultants need not turn on this layer. For information on the correct process for outside consultants refer to Using the Signature Stamps titled Using the Signature Stamps.

Figure 6 - I

Figure 6 - J

When entering the “Discipline Group” and “Discipline Sub-Group” attribute fields users will need to refer to Table 6 - M for the proper values to be used within these fields.

Table 6 - M

Discipline Group	Discipline Sub-Group
Architecture	
	Landscape
Civil	
Electrical	
	Power
	Electronics
	Corrosion Protection
Environmental	
General	
Geotechnical	
Mechanical	
	Fire Protection
	HVAC
	Plumbing
Structural	
Traffic	

To promote consistency and easy identification of the people involved in the project the Designed By, Drawn By and Checked By attribute fields are to be filled out using the first initial, followed by a period and then the first ten characters of the last name. Note that spaces before or after the period are not permitted.

For Example:

Filippo Brunelleschi would fill out the field as F.Brunellesc, truncating the last name at ten characters.

6.10.2.4 Editing the Contract Border

The process used to create Contract Borders allows for flexibility in editing and updating information both at the project level as well as at the drawing level. If a project level change is required then the PID-CB.dwg file can be opened and modified and if a drawing level change is required then the individual drawing can be opened and modified. The benefit to working in this manner is that if a project level change is required only one drawing file needs to be edited and then the rest of the files will inherit the changes.

6.10.2.5 Creating a Viewport

Once the Contract Border has been externally referenced and the drawing information block has been inserted and filled out then a viewport must be created to display the drawing information that has been referenced into model space. When a viewport is created it is to be placed on the appropriate layer for that discipline, typically <discipline>"-ANNO-VPRT". Once the viewport is created the zoom magnification or scale of the viewport must be set. All E/A Design Division files are created to be plotted with a scale of 1:1, which means that the viewports created will need to have a scale or magnification assigned to them. Once the viewport scale has been assigned and the drawing information has been centered within the view, the viewport display should be set to locked.

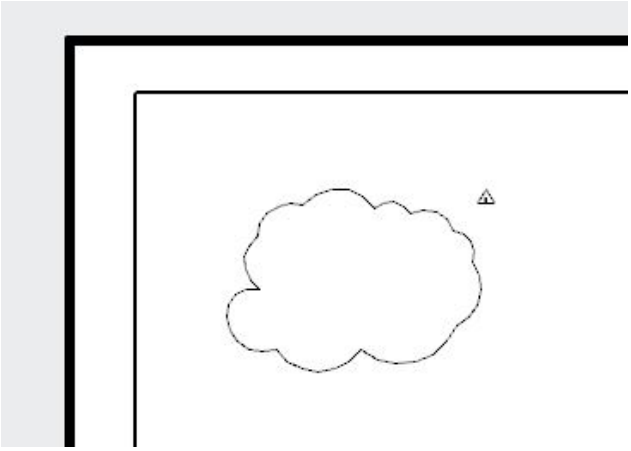
6.10.2.6 Making Revisions in Contract Drawings

Two types of revisions can happen in a Contract Drawing Set: Partial Revisions and Additions. A partial revision is when only portions of the Contract Drawings have been changed and an Addition takes place when an additional Contract Drawing is added to the Drawing Set.

Regardless of the revision type, users will be required to place the "Drawing_Info – Stamp_Triangle.dwg" block in the drawing pane, near the revised entities. A revision cloud is also to be placed around the area that is being revised.

For Partial Revisions:

A Revision Cloud will be placed either in Model Space or in Paper Space surrounding just the area of the drawing where changes were made. The Stamp Triangle will be placed right next to the Revision Cloud including the Revision Number. The Revision Block will be inserted including the Revision Number as well as the Date, the Description and the Initials of the person that approved the changes.



For Additions:

The entry for the Sheet in the Drawing Index will be bubbled with a Revision Cloud. The Revision Block will be inserted including the Revision Number as well as the Date, the Description and the Initials of the person who approved the changes. A new Contract Border shall be issued for the new drawing, showing the date of issue in the lower right-hand corner, and its file name shall have the date of issue appended to it, in the form, "-DD_MM_YY". Lastly, the sheet counter text "Sheet _ of _", displayed on the new drawing, must reflect the location of the new sheet and total number of sheets in the set.

Note that for any drawings that are added within a series (as opposed to the end of the series), all drawings following the inserted drawing must be renumbered correctly so that drawing numbers remain unique. Any drawings that have had their drawing number changed as a result of the addition of a drawing within a series must have the drawing number bubbled on the Sheet itself as well as in the Drawing Index, since the corresponding entry for the drawing shall be modified.

The following section introduces the procedure for inserting the Revision Block within the Contract Border area. Every Revision Triangle inserted into a Plotsheet requires a corresponding Revision Block to be inserted following the procedure described.

6.10.2.7 Using the Revision Block With the Contract Border

A revision block named “Drawing_Info – Stamp_Revision.dwg” has been provided with the EAD CAD Standard. When revisions are made this block is to be inserted using an endpoint snap to the upper left corner of the previous revision line. Figure 6 - L displays where the revision stamp is to be inserted. The stamp is located on the network at:

“K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract Borders\Stamps\”

Once inserted the revision block will prompt the user for information pertaining to the revision. Under no circumstances will the revision block be exploded or modified.

Figure 6 - K

A revision cloud is to be placed around the area of revision whenever a revision is made. In the case of an entirely new sheet, no revision cloud is to be placed on the drawing itself, but the entry for the drawing on the Drawing Index Sheet should be bubbled. Also, note that when an entirely new sheet is added to the set as a revision, the date of the sheet should be the date of the revision, not the original signature date (a revision note is still required on the new sheet).

6.10.2.8 Using the Submission Stamps

Submission stamps have been provided for both the Contract Border and Contract Border – OS (oversize) sheets and can be found at:

"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract Borders\Stamps\"

The submission stamps will be inserted as blocks within the Contract Border with an insertion point of 0,0. The following submission types have stamps provided with this standard:

- Law-Review
- Preliminary
- QA-Submission
- Percent Submission

Figure 6 - L displays how each of the four submission stamp types appear on the Contract Border.

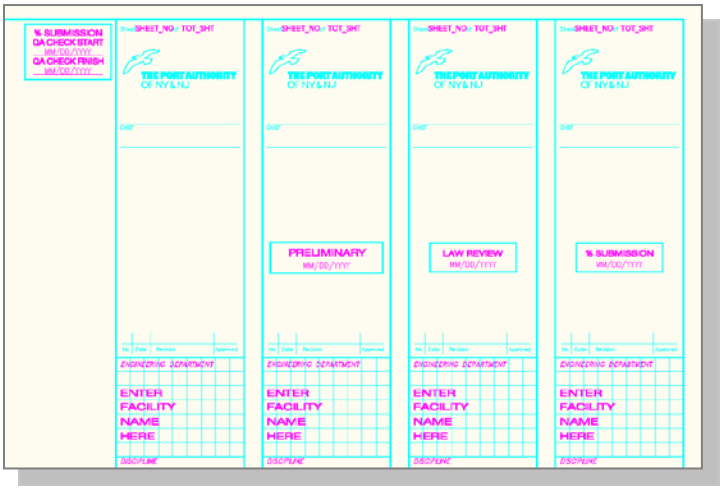


Figure 6 - L

6.10.2.9 Using the Signature Stamps

Signature stamps have been provided for both the New York and New Jersey Professional Engineer and Registered Architect and are to be used by outside consultants in-lieu of Consultant Logos. The word "Drawing_Info – Stamp_" has been prefixed at the beginning of each stamp to indicate that these stamps are to be placed within the individual layout tabs and not directly into the Contract Border file. The signature stamps provided within this standard are located at:

"K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract Borders\Stamps\" ,

The use of the Signature stamps by outside consultants will require that the GN-ANNO-TTLB-PANU layer be turned off. This layer contains the signature lines for the in-house staff and is not needed when outside consultants are signing the sheets.

Signature stamps are to be inserted with an insertion point of 0,0 and are required to have all appropriate attribute fields filled in. Note that when filling in the Consultant company information only the company name is to appear, not the address. If a sub-consultant is used then the primary consultant will fill in their company name using the Consultant1 and Consultant2 attribute fields and the sub-consultant will fill in their company name using the Sub-Consultant1 and Sub-Consultant2 attribute fields.

On the left side of Figure 6 - M the Contract Border with the GN-ANNO-TTLB-PANU layer for in-house use turned on is displayed and on the right side of Figure 6 - M the Contract Border with that layer turned off and a signature stamp inserted is displayed.

Figure 6 - M

6.10.2.10 Using the Confidential Privileged Stamps

Confidential Privileged Stamps have been provided for both, the Contract Border and Contract Border - OS (oversize version). The word “Drawing-Info - Stamp_” has been prefixed at the beginning of each Stamp to differentiate them from the Submission Stamps. The Confidential Privileged Stamps are to be inserted as blocks with an insertion point of 0,0 on each individual sheet unless the entire project is considered Confidential and Privileged, in which case the stamps can be placed within the Contract Border. The Confidential Privileged Stamps provided with this standard are located at:

“K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract Borders\Stamps\”

Figure 6 - N illustrates a Contract Border with a Confidential Privileged Stamp (Drawing_Info - Stamp_CPbar.dwg) inserted.

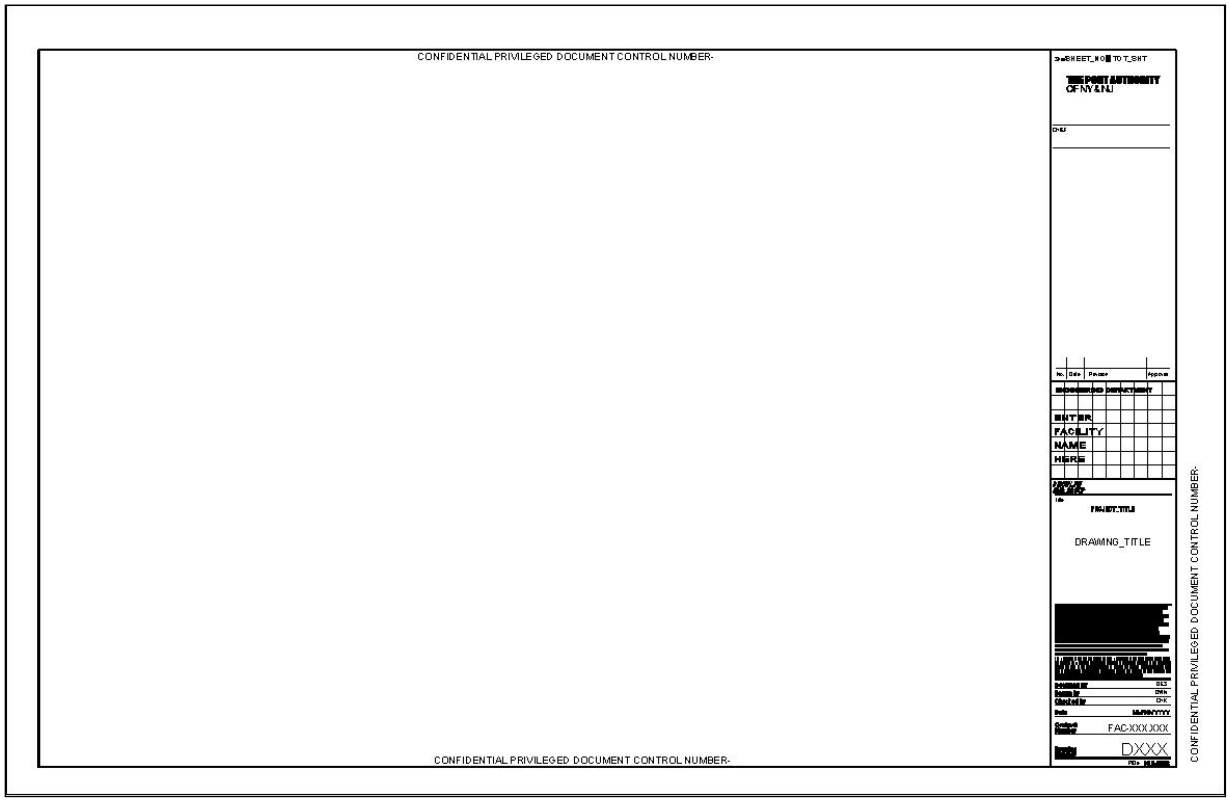


Figure 6 - N

6.11 Special Projects

Special Projects are those in which unique circumstances may require different guidelines be followed in order to comply with the EAD CAD Standards. The contents of this section will be followed in addition to the ones already specified in previous sections, unless specifically instructed otherwise within this section.

6.11.1 Confidential Projects

Confidential Projects contain highly sensitive information that if lost or made public could seriously damage or compromise the Port Authority and/or public safety and security. Confidential information includes, but is not limited to, methods utilized to mitigate vulnerabilities and threats, such as identity, location, design construction and fabrication of security systems.

For that reason, if aspects being worked on as part of a project drawing are considered Confidential they will need to be handled differently than standard contract drawings.

If information on a drawing is considered to be Confidential then that model drawing is to be stored in the Model_C folder. Any plotsheet drawing that contains Confidential information must be stored in the Plotsheets_C folder. It is permitted to reference non-Confidential information from outside the Confidential folder into a Confidential plotsheet drawing. If a model file that has been deemed Confidential needs to be shared across disciplines then the file is to be copied to the Publish_C folder.

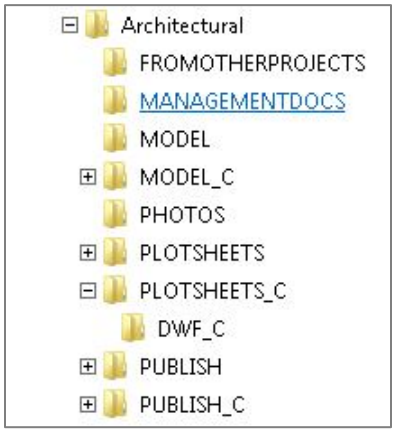


Figure 6 - O

If a project contains any Confidential sheets then the Confidential Information Warning Sign (CP - WARNING.dwg) must be displayed on the Title Sheet and Drawing Index sheet(s) of the project, along with markings at the top, bottom and right side of the pages identifying the project as Confidential. This is accomplished by turning on and thawing the “GN-ANNO-TTLB-CONF” layer. The Warning Sign is displayed below in Figure 6 - P.

"WARNING": THE ATTACHED IS THE PROPERTY OF THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY (PANYNJ). IT CONTAINS INFORMATION REQUIRING PROTECTION AGAINST UNAUTHORIZED DISCLOSURE. THE INFORMATION CONTAINED IN THE ATTACHED DOCUMENT CANNOT BE RELEASED TO THE PUBLIC OR OTHER PERSONNEL WHO DO NOT HAVE A VALID NEED TO KNOW WITHOUT PRIOR WRITTEN APPROVAL OF AN AUTHORIZED PANYNJ OFFICIAL. THE ATTACHED DOCUMENT MUST BE CONTROLLED, STORED, HANDLED, TRANSMITTED, DISTRIBUTED AND DISPOSED OF ACCORDING TO PANYNJ INFORMATION SECURITY POLICY. FURTHER REPRODUCTION AND/OR DISTRIBUTION OUTSIDE OF THE PANYNJ ARE PROHIBITED WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PANYNJ.

AT A MINIMUM, THE ATTACHED WILL BE DISSEMINATED ONLY ON A NEED TO KNOW BASIS AND, WHEN UNATTENDED, WILL BE STORED IN A LOCKED CABINET OR AREA OFFERING SUFFICIENT PROTECTION AGAINST THEFT, COMPROMISE, INADVERTENT ACCESS AND UNAUTHORIZED DISCLOSURE.

Figure 6 - P

All interior Confidential pages within the set must also be marked Confidential at the top, bottom and right side of the page. Sets of documents that are folded or rolled must be marked so that the marking is visible on the outside of the set once folded or rolled. This is accomplished by inserting the “Drawing_Info – Stamp_Cbar.dwg” block into paper space of the Plotsheet drawing containing the Confidential information. The “Drawing_Info – Stamp_Cbar.dwg” block is to be inserted with an insertion point of 0,0,0 on layer 0 and is not to be exploded or modified in any way. All of the Confidential Markings are displayed in Figure 6 - Q1 and Figure 6 - V2.

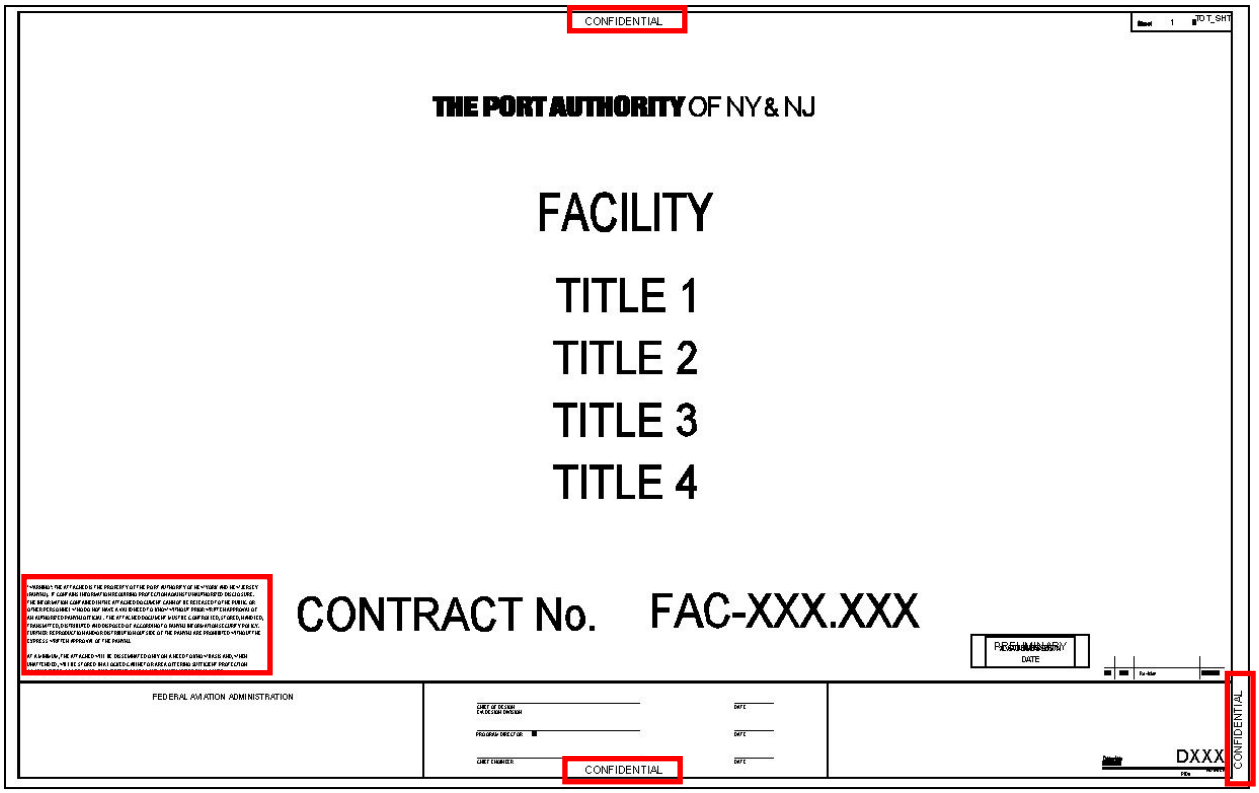


Figure 6 - Q

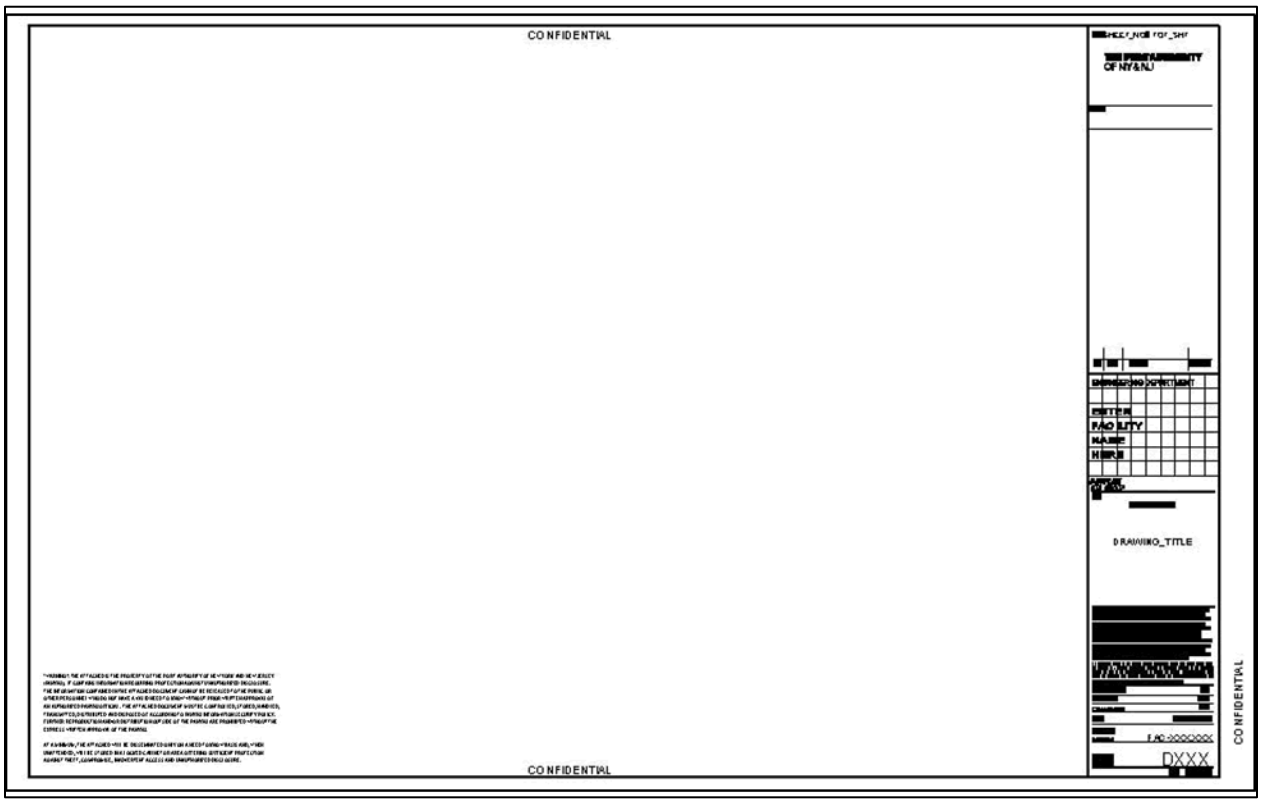


Figure 6 - R

On the Drawing Index sheet, names of Confidential drawings that are separated out of the main drawing set should be listed to inform the viewer that additional drawings are available and should take the form "<Drawing Title> (Protected Information)", where <Drawing Title> is the title of a Confidential drawing, as shown in Figure 6 - W below.

INDEX OF DRAWINGS

SHEET No.	DRAWING No.	SHEET TITLE
		GENERAL
1	G001	TITLE SHEET
2	G002	INDEX OF DRAWINGS AND LOCATION PLAN
		CIVIL
3	C001	NOTES, LEGEND AND ABBREVIATIONS
4	C002	SITE PLAN (PROTECTED INFORMATION)
5	C003	LOCATION PLAN
6	C004	GRADING
7	C005	XXXX
8	C006	XXXX
9	C007	XXXX
10	C008	XXXX

Figure 6 - S

For more information on the handling and submitting of Confidential projects refer to “The Port Authority of New York & New Jersey Information Security Handbook”.

6.11.2 Confidential Privileged Projects

Confidential Privileged Projects contain extremely sensitive security or public safety information that if lost or made public could seriously damage or compromise the Port Authority and/or public safety and security. Confidential Privileged information includes, but is not limited to, any information identifying vulnerabilities, capabilities, threats, operational methodologies and/or security related design criteria.

For that reason, if aspects being worked on as part of a project drawing are considered Confidential Privileged they will need to be handled differently than standard contract drawings.

If information on a drawing is considered to be Confidential Privileged then that model drawing is to be stored in the Model_CP folder. Any plotsheet drawing that contains Confidential Privileged information must be stored in the Plotsheets_CP folder. It is permitted to reference non-Confidential information from outside the CP folder into a Confidential Privileged plotsheet drawing. If a model file that has been deemed Confidential Privileged needs to be shared across disciplines then the file is to be copied to the Publish_CP folder.

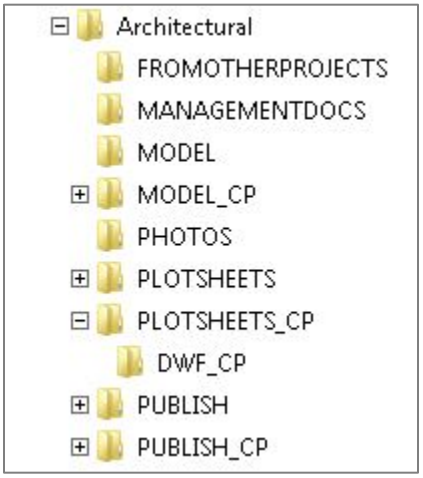


Figure 6 - T

If a project contains any Confidential Privileged sheets then the Confidential Information Warning Sign (CP - WARNING.dwg) must be displayed on the Title Sheet and Drawing Index sheet(s) of the project, along with markings at the top, bottom and right side of the page identifying the project as Confidential Privileged. This is accomplished by turning on and thawing the “GN-ANNO-TTLB-CP__” layer. The Warning Sign is displayed in Figure 6 - P.

All interior pages within the set must also be marked at the top, bottom and right side of the page. Sets of documents that are folded or rolled must be marked so that the marking is visible on the outside of the set once folded or rolled. This is accomplished by inserting the “Drawing_Info – Stamp_CPbar.dwg” block into paper space of the Plotsheet drawing containing the Confidential Privileged information. The “Drawing_Info – Stamp_CPbar.dwg” block is to be inserted with an insertion point of 0,0,0 on layer 0 and is not to be exploded or modified in any way.

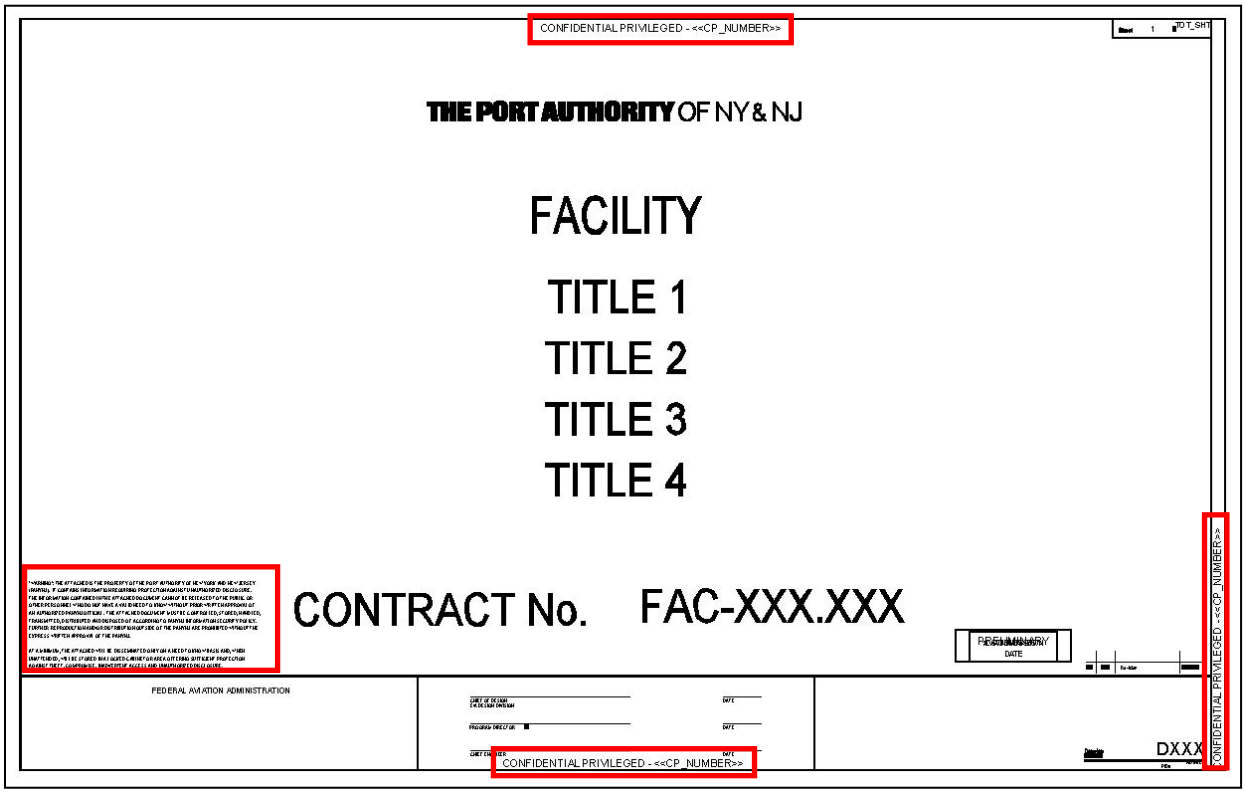

CONFIDENTIAL PRIVILEGED - <<CP_NUMBER>>
THE PORT AUTHORITY OF NY & NJ
FACILITY
TITLE 1
TITLE 2
TITLE 3
TITLE 4
CONTRACT No.
FAC-XXX.XXX
DATE
FEDERAL AVIATION ADMINISTRATION
CONFIDENTIAL PRIVILEGED - <<CP_NUMBER>>
DXXX
CONFIDENTIAL PRIVILEGED - <<CP_NUMBER>>

Figure 6 - U

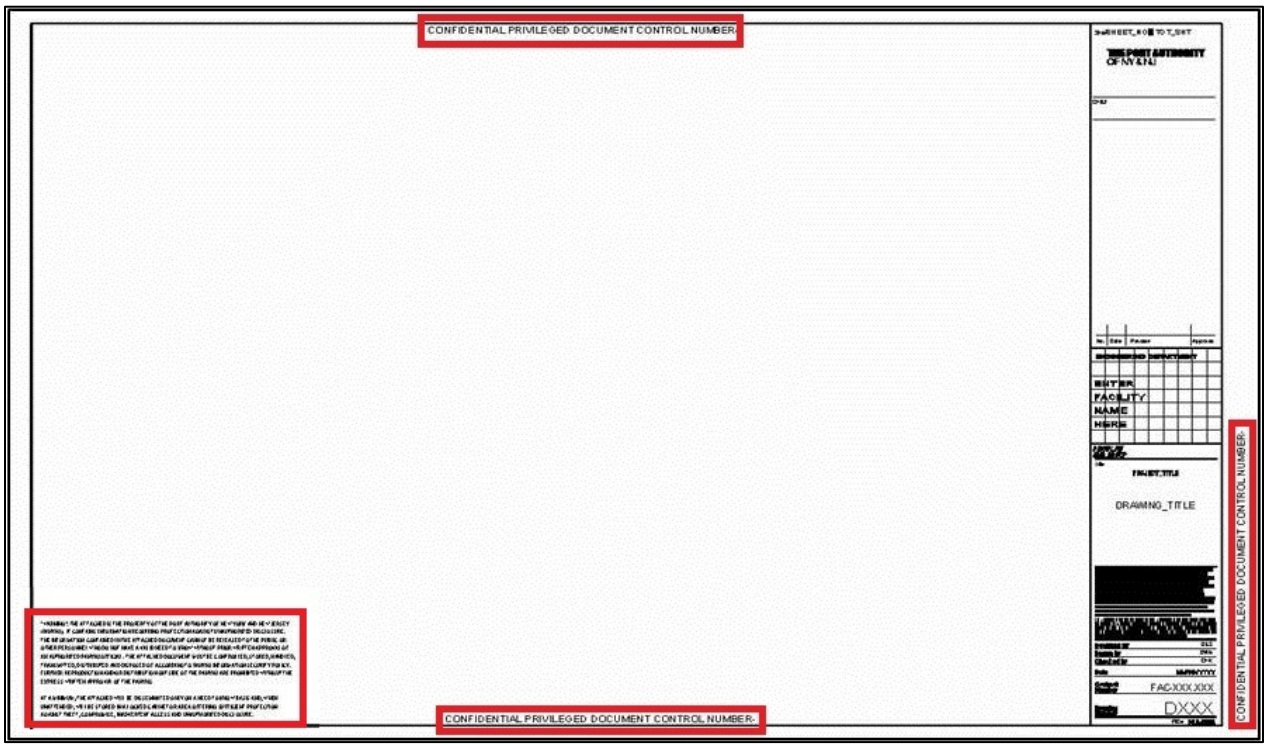


Figure 6 - V

Projects identified as Confidential Privileged are assigned a Confidential Privileged Document Control Number. This number is to appear on the top, bottom and right side of each printed sheet next to the Confidential Privileged markings and is also stored on the GN-ANNO-TTLB-CP__ layer for title sheets and within the “Drawing_Info – Stamp_CPbar.dwg” block. All of the Confidential Privileged Markings are displayed in Figure 6 - S1 and Figure 6 - Y2.

On the Drawing Index sheet, names of Confidential Privileged drawings that are separated out of the main drawing set should be listed to inform the viewer that additional drawings are available and should take the form "<Drawing Title> (Protected Information)", where <Drawing Title> is the title of a Confidential Privileged drawing as shown in Figure 6 - W.

For more information on the Document Control Number and the handling and submitting of Confidential Privileged projects refer to “The Port Authority of New York & New Jersey Information Security Handbook”.

6.12 CAD Standards Review Report

In an effort to improve the usage of the EAD CAD Standard, the CAD Support Group has developed a form called the CAD Standards Review Report, which allows for the rating of CAD Standards compliance on every project worked on by each discipline. CAD Standards reviews are applicable to all projects, in-house and/or consultant that are issued either for construction contracts or work orders.

6.12.1 Interim CAD Review

- Review is mandatory for:
  - Contract drawings prepared by one discipline and sets consisting of more than 25 sheets.
  - Contract drawings prepared by two or more disciplines and sets consisting of more than 15 sheets.
- Requirements
  - Timeframe: Required at 50% milestone or as determined by the LEA if no official interim milestone prior to the 100% submission
  - Initiated by the LEA via EOL request form
- Report is issued to the Assistant Chiefs, Principals, LEA and Task Leaders.

6.12.2 Construction Contract PA Wide CAD Review

- Review is mandatory for all Contract Drawings
  - Initial failures are issued to the LEA and Task Leaders
    - 3 weeks are provided for the correction of the files
  - At the end of the 3 weeks a Report is issued to the Assistant Chiefs, Principals, LEA and Task Leaders
  - At the Pre-Mylar Review Date reviews will be performed for any failing disciplines and the FINAL pass/fail Report will be issued.
    - Drawings will not be reviewed after the Pre-Mylar Review Date
- Requirements
  - Timeframe: Required at the on-set of PA Wide Review
  - Initiated by the LEA via EOL request form
    - Upon receipt of the request the CAD Support Group is to upload the files to Live Link for electronic review and notify the Contract Engineer of the initiation of PA Wide Review.
- Final Report is issued the Assistant Chiefs, Principals, LEA and Task Leaders

6.12.3 Work Order CAD Review

- Review is mandatory for:
  - Mandatory for all Contract Drawings.
  - Initial failures are issued to the LEA and Task Leaders
    - 3 weeks are provided for the correction of the files

- At the end of the 3 weeks a Report is issued to the Assistant Chiefs, Principals, LEA and Task Leaders

- Requirements
  - Initiated by the LEA via EOL request form
    - Upon receipt of the request the CAD Support Group is to upload the files to Live Link for electronic review and notify the Contract Engineer of the initiation of PA Wide Review.
- Report is issued to the Assistant Chiefs, Principals, LEA and Task Leaders at the end of the 3 week period.

The CAD Standards Review Report is divided into 3 section; the first section contains all the Mandatory Fields for which compliance with EAD CAD Standards is required in order for the project to pass, the second section contains all the Non-Mandatory Fields followed by a third section that includes notes and comments pertaining to the review. Items included within this Report are:

- Filename and Folder Structure
  - Project drawings and files referenced within them must be named according to the EAD CAD Standard and must be located within the sub-folders defined in this standard.
- Plan Set Preparation
  - All External Referenced files and\or images shall be contained within the PID Folder Structure. The Title Sheet, Contract Border and Drawing Information block along with the Professional Stamps provided within the EAD CAD Standard shall be used without any modifications and/or alterations.
- CAD Practice
  - The layers provided within the EAD CAD Standard must be used in all drawing files. These layers are pre-configured to work in conjunction with each discipline's pen settings (CTB). All External Referenced files and\or images shall be set as "Overlay" and "Relative Pathing". Note: Existing Background layers are not reviewed.
- Plot Setup
  - Drawings must be prepared using the PA-MasterFull.ctb file (pen settings). This will ensure consistency of plotting drawings from any workstation within Engineering.
- Submittals Information
  - DWF files are required at each submittal. They are to be created in full size, multi-sheet and grouped together by Plotsheet Type and Series (if used).
- Civil 3D Data Shortcuts (Civil Only)
  - Civil 3D Data Shortcut folder must be available for archiving. The Data Shortcut is essential for linking data to drawing objects.

This form will be reviewed on a regular basis and is subject to changes. If a change is approved, it will be posted on the E/A Design Division CAD Standard website http://www.panynj-cadstandards.com/ and incorporated into the next revision of this document.

The following two pages illustrate the first two sections of the CAD Standards Review Report and are to be used as a checklist for checking CAD Standard compliance prior to submitting drawings.

Mandatory Items

THE PORT AUTHORITY OF NY & NJ

Engineering CAD Support Group

CAD Standards Review Report

FACILITY:		DISCIPLINE:	
PID NUMBER:		GROUP:	
PROJECT TITLE:		LEA:	
CONTRACT NUMBER:		TASK LEADER:	
REVIEWED BY:		PROJECT MANAGER:	
DATE REVIEWED:		CONSULTANT'S NAME:	
☐ Official		STAGE:	%:
		SUBMITTAL:	

DRAWINGS REVIEWED:

OVERALL SUMMARY PERFORMANCE

☐ Approved ☐ Not Approved

MANDATORY

	Yes	No	NA
FILE AVAILABILITY	☐	☐	
FOLDER STRUCTURE	☐	☐	
FILENAME	☐	☐	
PLAN SET PREPARATION			
All Xrefs within PID Folder Structure	☐	☐	
Drawing Information	☐	☐	
Contract Border	☐	☐	
Title Sheet (Lead Discipline Only)	☐	☐	☐
Professional Stamps	☐	☐	☐
CAD PRACTICE			
Layers	☐	☐	
External Reference (Overlay)	☐	☐	
External Reference (Relative Path)	☐	☐	
PLOT SETUP			
CTB file	☐	☐	
DWF SUBMITTALS			
Full Size	☐	☐	
Multi Sheet - Grouped by Drawing Type	☐	☐	
Black and White	☐	☐	
***LAND DESKTOP PROJECT (CIVIL ONLY)**			☐
Location (L Drive)	☐	☐	
Project Name	☐	☐	

Non-Mandatory Items

THE PORT AUTHORITY OF NY & NJ

Engineering CAD Support Group

NON - MANDATORY

	Yes	No	NA
PLAN SET PREPARATIONG			
Discipline / Sub - Group	☐	☐	
Drawing Type	☐	☐	
Drawing Number Convention	☐	☐	
Contract Number (Lead Discipline Only)	☐	☐	☐
Facility Name (Lead Discipline Only)	☐	☐	☐
PID Number in the CB (Lead Discipline Only)	☐	☐	☐
No Consultant Logo	☐	☐	☐
CAD PRACTICE			
Text Styles	☐	☐	
Dimension Styles	☐	☐	
Table Styles	☐	☐	
No Linework in Plotsheet Files	☐	☐	
PLOT SETUP			
1:1 Scale	☐	☐	
Layout Tab	☐	☐	
Page Setups	☐	☐	
DWF SUBMITTALS			
Sheet Order	☐	☐	
Layout Names	☐	☐	

6.13 Update and Revision Procedures

The dynamic nature of CAD technology and the engineering process dictates that this document will change over time. Changes to this document will be made by following strict procedures and guidelines.

Changes may be made based on errors and omissions, as well as to enhance or update the standards based on changes in the CAD environment. All requested changes to this document must be accompanied by a Request to Change Standard form provided in Section 6.27 titled Appendix L – Request to Change Standard. The Request to Change Standard form must be provided to the CAD Support Group. All Request to Change Standard forms will be reviewed on a periodic basis. If the change is approved, it will be incorporated into the next draft of this document and all support files will be modified.

Updates to this document and the related support files will be made as required. Updates will be posted on http://www.panynj-cadstandards.com/

6.14 Contact and Support Information

Questions regarding the standards provided within this document should be directed to the CAD Support Group at: 212-435-6102 or engcadd@panynj.gov

6.15 Conclusion

This document is a comprehensive standard for the creation of contract drawings for the PANYNJ, E/A Design Division. All drawings submitted to the E/A Design Division must adhere to the conventions documented here. The CAD Support Group will use automated procedures to verify compliance with this standard.

6.16 Appendix A – Architectural Discipline

6.16.1 Content Preferences

6.16.2 Layer Stratagem

6.16.2.1 Architectural New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
A	ANNO	BUS_			5	CONTINUOUS	YES	BUSES
A	ANNO	BREK			5	CONTINUOUS	YES	BREAK LINE
A	ANNO	CARS			8	CONTINUOUS	YES	CARS
A	ANNO	CHNG			2	DIVIDE4	YES	IDENTIFICATION OF UPDATED WORK
A	ANNO	CLIN			8	CENTER5	YES	GENERAL PLAN/ELEVATION/SECTION CENTERLINE
A	ANNO	COLS	BUBL		4	CONTINUOUS	YES	COLUMN CENTERLINE IDENTIFICATION
A	ANNO	COLS	CLIN		8	CENTER5	YES	COLUMN CENTERLINE EXTENSION USED WITH NOTES
A	ANNO	DETL	BUBL		7	DASHED5	YES	DETAIL BUBBLE OUTLINE (INDICATE BLOW-UP OR DETAIL)
A	ANNO	DIMS			1	CONTINUOUS	YES	DIMENSIONS
A	ANNO	DIMS	GUID		5	DOT8	YES	DIMENSION GUIDE LINE
A	ANNO	ELEV	FFLR		1	CONTINUOUS	YES	SPOT ELEVATION SYMBOL (OR BLOCK INSERTION LAYER)
A	ANNO	ELEV	GUID		1	DOT8	YES	VERTICAL ELEVATION SYMBOL LINE
A	ANNO	ELEV	VERT		1	CONTINUOUS	YES	VERTICAL ELEVATION SYMBOL ON SECTION/ELEVATION
A	ANNO	IDEN	DETL		3	CONTINUOUS	YES	DETAIL SYMBOL AND EXTENSION LINE TO BUBBLE
A	ANNO	IDEN	DOOR		1	CONTINUOUS	YES	DOOR NUMBER SYMBOL; HARDWARE GROUP ETC.
A	ANNO	IDEN	ELEV		3	CONTINUOUS	YES	ELEVATION SYMBOL (OR BLOCK INSERTION LAYER)
A	ANNO	IDEN	FURN		1	CONTINUOUS	YES	FURNITURE IDENTIFICATION SYMBOL
A	ANNO	IDEN	GLAZ		1	CONTINUOUS	YES	WINDOW NUMBER SYMBOL BLOCK INSERTION LAYER
A	ANNO	IDEN	ROOM		1	CONTINUOUS	YES	ROOM IDENTIFICATION (SHOWN AS A BLOCK)
A	ANNO	IDEN	SCUT		3	CONTINUOUS	YES	SECTION CUT SYMBOL (OR BLOCK INSERTION LAYER)
A	ANNO	IDEN	WALL		1	CONTINUOUS	YES	PARTITION TYPE IDENTIFICATION SYMBOL
A	ANNO	LGND			212	CONTINUOUS	YES	LEGENDS AND SYMBOLS ASSOCIATED WITH LEGENDS
A	ANNO	LGND	DISC		1	CONTINUOUS	YES	LEGEND DISCLAIMER
A	ANNO	MLIN			4	DIVIDE2	YES	MATCH LINE
A	ANNO	NOTE			212	CONTINUOUS	YES	BLOCKS OF MISCELLANEOUS NOTES; BOILER PLATE NOTES AND FRAMES
A	ANNO	PEOP			8	CONTINUOUS	YES	PEOPLE, PEDESTRIANS ETC.
A	ANNO	REDL			10	CONTINUOUS	YES	REDLINE
A	ANNO	SCUT	GUID		212	DOT8	YES	SECTION CUT LINE CONNECTING SECTION HEAD AND TAIL
A	ANNO	SYMB	AROW		5	CONTINUOUS	YES	DIRECTIONAL ARROW
A	ANNO	SYMB	MISC		3	CONTINUOUS	YES	MISCELLANEOUS SYMBOLS
A	ANNO	SYMB	NPLT		200	CONTINUOUS	NO	MISCELLANEOUS SYMBOLS- NOT PLOTTED
A	ANNO	SYMB	NRTH		5	CONTINUOUS	YES	NORTH ARROW
A	ANNO	SYMB	SCLE		1	CONTINUOUS	YES	SCALE BAR
A	ANNO	SYMB	TEXT		212	CONTINUOUS	YES	TEXT IN SYMBOL BLOCKS
A	ANNO	TEXT			212	CONTINUOUS	YES	TEXT (GENERATED BY LEADER; QUICK LEADER OR MULTI-LEADER)
A	ANNO	TEXT	CLL_		1	CONTINUOUS	YES	CONTRACT LIMIT LINE TEXT
A	ANNO	TEXT	DATE		5	CONTINUOUS	YES	PRESENTATION DATE
A	ANNO	TEXT	ELEV		212	CONTINUOUS	YES	ELEVATION SYMBOL TEXT

A	ANNO	TEXT	LEDR		5	CONTINUOUS	YES	TEXT LEADER LINE (IF DRAWN SEPARATELY)
A	ANNO	TEXT	MISC		5	CONTINUOUS	YES	SECONDARY TEXT
A	ANNO	TEXT	MLIN		5	CONTINUOUS	YES	MATCH LINE TEXT
A	ANNO	TEXT	PROP		1	CONTINUOUS	YES	PROPERTY LINE TEXT
A	ANNO	TEXT	ROWL		212	CONTINUOUS	YES	RIGHT OF WAY TEXT
A	ANNO	TEXT	STRE		8	CONTINUOUS	YES	STREET NAME TEXT
A	ANNO	TRAN			8	CONTINUOUS	YES	TRAINS, SUBWAYS & MONORAILS
A	ANNO	TRUK			8	CONTINUOUS	YES	TRUCKS
A	ANNO	TTLB			2	CONTINUOUS	YES	DRAWING TITLE WITH SCALE BAR
A	ANNO	TTLB	PRES		5	CONTINUOUS	YES	DRAWING TITLE ON PRESENTATION BORDER
A	ANNO	VPRT			200	CONTINUOUS	YES	VIEW PORT
AREA								
A	AREA	OTLN			7	DASHED4	YES	AREA CALCULATION BOUNDARY LINES
A	AREA	TEXT			6	CONTINUOUS	YES	AREA CALCULATION, ROOM NUMBER, TENANT IDENTIFICATION NUMBERS (SHOWN AS TEXT)
CEILING								
A	CLNG	____			1234V	CONTINUOUS	YES	CEILING GRID - TILE PATTERN
A	CLNG	BEAM			5	CONTINUOUS	YES	STEEL BEAM IN RCP PLANS
A	CLNG	LGHT			1	CONTINUOUS	YES	LIGHT FIXTURES (OR BLOCK INSERTION LAYER)
A	CLNG	OPNG			1	CONTINUOUS	YES	CEILING/ROOF PENETRATIONS
A	CLNG	OVHG			5	CONTINUOUS	YES	OVERHANG OUT-LINE SHOWN ON REFLECTED CEILING PLAN (ONLY)
A	CLNG	RDFF			1	CONTINUOUS	YES	RETURN AIR DIFFUSERS
A	CLNG	SDFF			1	CONTINUOUS	YES	SUPPLY DIFFUSERS
A	CLNG	OPNG	OVHD		8	DASHED5	YES	SHAFT PENETRATIONS OVERHEAD
A	CLNG	SIGN			1	CONTINUOUS	YES	GENERAL OVERHEAD SIGNAGE
A	CLNG	SKLT			5	CONTINUOUS	YES	SKYLIGHT OUT-LINE SHOWN ON REFLECTED CEILING PLAN (ONLY)
A	CLNG	SOFF			212	CONTINUOUS	YES	CEILING SOFFIT EDGES
A	CLNG	SPKR			1	CONTINUOUS	YES	SPEAKER
A	CLNG	SPRN			1	CONTINUOUS	YES	SPRINKLER
COLUMN								
A	COLS	____			2	CONTINUOUS	YES	COLUMNS (OR BLOCK INSERTION LAYER)
A	COLS	STL_			3	CONTINUOUS	YES	STRUCTURAL STEEL FOR COLUMNS (OR BLOCK INSERTION LAYER)
A	COLS	STL_	HIDN		5	HIDDEN4	YES	STRUCTURAL STEEL ELEMENTS HIDDEN
A	COLS	STL_	STRS		8	CONTINUOUS	YES	ARCHITECTURAL STEEL COLUMNS IN STAIR
A	COLS	BASE	PLAT		5	CONTINUOUS	YES	COLUMN BASE PLATE
A	COLS	BEAM			8	CONTINUOUS	YES	STRUCTURAL BEAM ELEMENTS (OR BLOCK INSERTION LAYER)
A	COLS	BEAM	ABVE		8	DASHED5	YES	STRUCTURAL BEAM ELEMENTS ABOVE
A	COLS	CLIN			8	CENTER5	YES	STRUCTURAL COLUMN CENTERLINE
A	COLS	CONC			2	CONTINUOUS	YES	CONCRETE COLUMNS
A	COLS	DETL			1	CONTINUOUS	YES	COLUMN DETAIL
A	COLS	ENCL			212	CONTINUOUS	YES	COLUMN ENCLOSURE
A	COLS	HIDN			5	HIDDEN4	YES	HIDDEN COLUMN ELEMENTS
A	COLS	MISC			5	CONTINUOUS	YES	MISCELLANEOUS COLUMNS ELEMENTS
A	COLS	PCST			3	CONTINUOUS	YES	PRECAST CONCRETE COLUMNS
A	COLS	PILE			5	CONTINUOUS	YES	COLUMN PILES
DOOR								
A	DOOR	____			212	CONTINUOUS	YES	FULL HEIGHT DOOR (OR BLOCK INSERTION LAYER)

A	DOOR	HEAD			212	CONTINUOUS	YES	DOOR HEADERS (APPEAR ON REFLECTED CEILING PLAN (ONLY)S)
A	DOOR	JAMB			212	CONTINUOUS	YES	DOOR JAMB
A	DOOR	PRHT			1	CONTINUOUS	YES	PARTIAL HEIGHT DOOR; SWING AND LEAF
A	DOOR	SWNG			5	DASHED4	YES	DOOR SWING (ONLY WHEN DRAWN AS LINEWORK)
ELEVATION								
A	ELEV	STL_			212	CONTINUOUS	YES	STEEL COLUMNS ELEVATION
A	ELEV	STL_	DETL		5	CONTINUOUS	YES	STEEL FLANGE/WEB IN ELEVATION
A	ELEV	BALC			1	CONTINUOUS	YES	ELEVATION OF BALCONY ELEMENTS
A	ELEV	BLDG	BYND		145,145,145	CONTINUOUS	YES	BUILDING ELEVATIONS IN THE DISTANCE
A	ELEV	BOLL			8	CONTINUOUS	YES	SECURITY BOLLARD ELEVATION
A	ELEV	BYND			1	CONTINUOUS	YES	MATERIALS BEYOND
A	ELEV	CNPY			1	CONTINUOUS	YES	CANOPY ELEVATIONS
A	ELEV	COLS			5	CONTINUOUS	YES	ELEVATION OF COLUMN ELEMENTS
A	ELEV	COLS	STL_		1	CONTINUOUS	YES	ARCHITECTURAL STEEL COLUMN ELEVATION
A	ELEV	COLS	BYND		8	CONTINUOUS	YES	ELEVATION OF COLUMNS IN THE DISTANCE
A	ELEV	COLS	CONC		212	CONTINUOUS	YES	ELEVATION OF CONCRETE COLUMNS
A	ELEV	COLS	ENCL		212	CONTINUOUS	YES	COLUMN ENCLOSURE ELEVATION
A	ELEV	COLS	HIDN		5	DASHED4	YES	ELEVATION OF HIDDEN COLUMN ELEMENTS
A	ELEV	CURB			8	CONTINUOUS	YES	CURB ELEVATION
A	ELEV	DECK			1	CONTINUOUS	YES	METAL DECK IN ELEVATION
A	ELEV	DOOR			5	CONTINUOUS	YES	DOOR ELEVATION
A	ELEV	DOOR	BYND		8	CONTINUOUS	YES	DOOR ELEVATION IN THE DISTANCE
A	ELEV	EQPM			212	CONTINUOUS	YES	ELEVATIONS OF EQUIPMENT
A	ELEV	ESCL			8	CONTINUOUS	YES	ESCALATOR ELEVATION
A	ELEV	ESCL	BYND		145,145,145	CONTINUOUS	YES	ESCALATOR ELEVATION IN THE DISTANCE
A	ELEV	ESCL	EQPM		8	DASHED5	YES	ESCALATOR AND EQUIPMENT ELEVATIONS
A	ELEV	ESCL	HIDN		8	DOT5	YES	ESCALATOR ELEVATION HIDDEN
A	ELEV	ESCL	MACH		8	DASHED5	YES	ESCALATOR MACHINERY ELEVATIONS (NON-EQUIPMENT)
A	ELEV	EVTR			5	CONTINUOUS	YES	ELEVATOR ELEVATION
A	ELEV	EVTR	BYND		90,90,90	CONTINUOUS	YES	ELEVATOR ELEVATION IN THE DISTANCE
A	ELEV	EVTR	HIDN		8	DOT5	YES	ELEVATOR ELEVATION HIDDEN
A	ELEV	FASA			1	CONTINUOUS	YES	FASCIA ELEVATION
A	ELEV	FENC			1	CONTINUOUS	YES	ARCHITECTURAL FENCE ELEVATION
A	ELEV	FGPN			5	CONTINUOUS	YES	FIBERGLASS WALL PANELS/JOINTS IN ELEVATION
A	ELEV	FURN			5	CONTINUOUS	YES	ELEVATION OF FURNITURE
A	ELEV	FURN	PLNT		5	CONTINUOUS	YES	SECURITY PLANTER ELEVATION
A	ELEV	GLAZ			1	CONTINUOUS	YES	WINDOW AND/OR GLASS ELEVATION
A	ELEV	GLAZ	MULL		8	CONTINUOUS	YES	WINDOW MULLION ELEVATION
A	ELEV	GRAL			5	CONTINUOUS	YES	GUARDRAIL ELEVATION
A	ELEV	GRAL	BYND		8	CONTINUOUS	YES	GUARDRAIL ELEVATION IN THE DISTANCE
A	ELEV	HRAL			5	CONTINUOUS	YES	HANDRAIL ELEVATION
A	ELEV	HRAL	BYND		8	CONTINUOUS	YES	HANDRAIL ELEVATION IN THE DISTANCE
A	ELEV	LGHT	CLNG		5	CONTINUOUS	YES	ELEVATION CEILING MOUNTED LIGHT FIXTURE
A	ELEV	LGHT	SCON		5	CONTINUOUS	YES	ELEVATION WALL MOUNTED LIGHT FIXTURE
A	ELEV	LUVR			5	CONTINUOUS	YES	LOUVERS IN ELEVATION
A	ELEV	MECH	DUCT		5	CONTINUOUS	YES	ELEVATION OF MECHANICAL DUCT
A	ELEV	MECH	MISC		5	CONTINUOUS	YES	ELEVATION OF MISCELLANEOUS MECHANICAL ELEMENTS

A	ELEV	MECH	REGI		1	CONTINUOUS	YES	ELEVATION OF MECHANICAL REGISTERS
A	ELEV	RAMP	BYND		5	CONTINUOUS	YES	RAMP ELEVATION IN THE DISTANCE
A	ELEV	RAMP	HIDN		8	DASHED4	YES	RAMP ELEVATION HIDDEN
A	ELEV	ROOF			212	CONTINUOUS	YES	ROOF ELEVATION
A	ELEV	ROOF	BYND		145,145,145	CONTINUOUS	YES	ELEMENTS OF ROOF ELEVATIONS IN THE DISTANCE
A	ELEV	ROOF	GUTR		90,90,90	CONTINUOUS	YES	GUTTER AND LEADER - BEYOND
A	ELEV	ROOF	HIDN		8	HIDDEN4	YES	HIDDEN ROOF ELEMENTS ELEVATION
A	ELEV	SECU			8	CONTINUOUS	YES	SECURITY ELEMENTS ELEVATION
A	ELEV	STRS			8	CONTINUOUS	YES	STAIR ELEVATION
A	ELEV	STRS	GRAL		8	CONTINUOUS	YES	STAIR GUARDRAIL ELEVATION
A	ELEV	STRS	HIDN		145,145,145	DASHED4	YES	STAIR ELEVATION HIDDEN
A	ELEV	STRS	HRAL		8	CONTINUOUS	YES	STAIR HANDRAIL ELEVATION
A	ELEV	SWAL			1	CONTINUOUS	YES	SLURRY WALL ELEVATION
A	ELEV	SWAL	MISC		8	CONTINUOUS	YES	SLURRY WALL ELEVATION MISCELLANEOUS
A	ELEV	SWAL	TBAK		8	CONTINUOUS	YES	SLURRY WALL TIEBACK ELEVATION
A	ELEV	VENT			212	CONTINUOUS	YES	VENT ELEVATION
A	ELEV	WALL			3	CONTINUOUS	YES	WALL OUTLINE/PERIMETER
A	ELEV	WALL	BHND		5	CONTINUOUS	YES	WALL ELEMENTS ELEVATION BEHIND
A	ELEV	WALL	BYND		8	CONTINUOUS	YES	WALL ELEMENTS ELEVATION IN THE DISTANCE
A	ELEV	WALL	HIDN		8	HIDDEN4	YES	ELEMENTS BEHIND WALL PLANE
A	ELEV	WALL	MISC		1	CONTINUOUS	YES	WALL ELEVATION
EQUIPMENT								
A	EQPM	____			212	CONTINUOUS	YES	EQUIPMENT BLOCK INSERTION LAYER
A	EQPM	CMPK			5	CONTINUOUS	YES	TRASH COMPACTOR
A	EQPM	CNVY			5	CONTINUOUS	YES	CONVEYOR BELT
A	EQPM	COGN			2	CONTINUOUS	YES	COGENERATION PLANT
A	EQPM	FHCB			1	CONTINUOUS	YES	FIRE HOSE CABINET
A	EQPM	FIXT			5	CONTINUOUS	YES	LAVATORIES, TOILETS, URINALS
A	EQPM	LIFT			8	CONTINUOUS	YES	CAR LIFT MACHINES
A	EQPM	MECH	HVAC		212	CONTINUOUS	YES	AIR CONDITIONER/ HEATING UNIT
A	EQPM	MISC			5	CONTINUOUS	YES	MISCELLANEOUS EQUIPMENT
A	EQPM	NICN			5	DASHED4	YES	EQUIPMENT NOT IN CONTRACT
A	EQPM	SSTA			212	CONTINUOUS	YES	SUBSTATION EQUIPMENT
A	EQPM	VENT			212	CONTINUOUS	YES	MECHANICAL VENT
ESCALATOR								
A	ESCL	____			1	CONTINUOUS	YES	ESCALATOR BLOCK INSERTION LAYER
A	ESCL	ABVE			8	DASHED5	YES	ESCALATOR ABOVE (OR BLOCK INSERTION LAYER)
A	ESCL	BLOW			8	DOT4	YES	ESCALATOR BELOW (OR BLOCK INSERTION LAYER)
A	ESCL	ENCL			1	CONTINUOUS	YES	ESCALATOR BODY OUTLINE
A	ESCL	HRAL			5	CONTINUOUS	YES	ESCALATOR HANDRAIL
A	ESCL	HRAL	PANL		8	CONTINUOUS	YES	HANDRAIL INFILL PANEL – GLASS, METAL, ETC.
A	ESCL	MACH	HIDN		8	DASHED5	YES	ESCALATOR MACHINERY HIDDEN
A	ESCL	TRED			1	CONTINUOUS	YES	ESCALATOR TREADS
A	ESCL	WPNT	NPLT		7	CONTINUOUS	NO	ESCALATOR WORKING POINTS
ELEVATOR								
A	EVTR	____			212	CONTINUOUS	YES	ELEVATOR BLOCK INSERTION LAYER
A	EVTR	CAB_			8	CONTINUOUS	YES	ELEVATOR CAB
A	EVTR	STL_			3	CONTINUOUS	YES	ELEVATOR STRUCTURAL STEEL

A	EVTR	STL_	PLAT		1	CONTINUOUS	YES	ELEVATOR STEEL PLATE
A	EVTR	CALL	KIOS		212	CONTINUOUS	YES	ELEVATOR CALL KIOSK
A	EVTR	CNWT			5	CONTINUOUS	YES	ELEVATOR COUNTER WEIGHTS
A	EVTR	CROS			5	CONTINUOUS	YES	ELEVATOR CAB CROSSHEAD
A	EVTR	DOOR			212	CONTINUOUS	YES	ELEVATOR DOOR
A	EVTR	DOOR	MISC		212	CONTINUOUS	YES	MISCELLANEOUS DOOR ELEMENTS
A	EVTR	ENCL				CONTINUOUS	YES	ELEVATOR ENCLOSURE
A	EVTR	EQPM			1	CONTINUOUS	YES	ELEVATOR EQUIPMENT
A	EVTR	GLAZ			8	CONTINUOUS	YES	ELEVATOR GLASS
A	EVTR	HIDN			8	HIDDEN4	YES	HIDDEN ELEVATOR ELEMENTS
A	EVTR	HRAL			1	CONTINUOUS	YES	ELEVATOR HANDRAIL
A	EVTR	HWAY	EQPM		5	CONTINUOUS	YES	ELEVATOR HOIST WAY EQUIPMENT
A	EVTR	HYDR	CYLR		8	CONTINUOUS	YES	ELEVATOR HYDRAULIC CYLINDER
A	EVTR	LUVR			8	CONTINUOUS	YES	ELEVATOR VENT LOUVERS
A	EVTR	MISC			1	CONTINUOUS	YES	MISCELLANEOUS ELEVATOR RELATED ELEMENTS
A	EVTR	PANL			7	CONTINUOUS	YES	ELEVATOR OPERATING PANEL
A	EVTR	PLFM				CONTINUOUS	YES	ELEVATOR PLATFORM
A	EVTR	SECU	CMRA		212	CONTINUOUS	YES	ELEVATOR SECURITY CAMERA
A	EVTR	SHFT			8	CONTINUOUS	YES	ELEVATOR SHAFT
A	EVTR	SILL			1	CONTINUOUS	YES	ELEVATOR SILL/THRESHOLD
A	EVTR	SPKR			1	CONTINUOUS	YES	ELEVATOR HANDSFREE SPEAKER PHONE
A	EVTR	STIL			5	CONTINUOUS	YES	ELEVATOR STILES
FLOOR PLAN								
A	FLOR	____			3	CONTINUOUS	YES	EDGE OF SLAB: AT FLOOR OPENING, OUTLINE OF FLOOR
A	FLOR	ABVE			1	DASHED5	YES	FLOOR OUTLINE ABOVE
A	FLOR	BEAM			212	CONTINUOUS	YES	FLOOR BEAM
A	FLOR	BEAM	BLOW		1	CONTINUOUS	YES	FLOOR BEAM BELOW
A	FLOR	BLOW			5	DASHEDX2	YES	FLOOR OUTLINE BELOW
A	FLOR	CASE			1	CONTINUOUS	YES	CASEWORK (MANUFACTURED CABINETS)
A	FLOR	DOCK			5	CONTINUOUS	YES	LOADING DOCK
A	FLOR	DOCK	BLOW		1	DOT2	YES	LOADING DOCK BELOW
A	FLOR	FENC	ARCH		1	CONTINUOUS	YES	INTERIOR DECORATIVE FENCE
A	FLOR	GRAL			5	CONTINUOUS	YES	GUARDRAILS NOT ATTACHED TO STAIRS
A	FLOR	HRAL			1	CONTINUOUS	YES	HANDRAILS NOT ATTACHED TO STAIRS
A	FLOR	HRAL	BLOW		5	CONTINUOUS	YES	HANDRAILS BELOW
A	FLOR	OPNG			1	CONTINUOUS	YES	X REPRESENTING FLOOR OPENING (EXCLUDING SHAFTS)
A	FLOR	OPNG	ABVE		1	HIDDEN5	YES	FLOOR OPENING ABOVE
A	FLOR	OPNG	BLOW		1	CONTINUOUS	YES	FLOOR OPEN TO BELOW
A	FLOR	OVHD			5	HIDDEN4	YES	OVERHEAD ITEMS (SHELVES, ETC.)
A	FLOR	OVHG			5	DASHED4	YES	OVERHANG OUT-LINE SHOWN ON FLOOR PLAN
A	FLOR	PLFM			1	CONTINUOUS	YES	PLATFORM
A	FLOR	PLFM	EDGE		1	CONTINUOUS	YES	PLATFORM EDGE
A	FLOR	PLFM	EXTN		3	CONTINUOUS	YES	EXTENSION OF PLATFORM FLOOR
A	FLOR	RAIS			212	CONTINUOUS	YES	RAISED FLOORS
A	FLOR	RAMP			5	CONTINUOUS	YES	RAMP
A	FLOR	RAMP	ABVE		5	HIDDEN-3_TO_3	YES	RAMP ABOVE
A	FLOR	SCOR	MAJR		3	CONTINUOUS	YES	CONTROL AND/OR EXPANSION JOINTS

A	FLOR	SCOR	MINR		5	CONTINUOUS	YES	TOOLED JOINTS
A	FLOR	SECU			1	CONTINUOUS	YES	SECURITY
A	FLOR	SLAB			3	CONTINUOUS	YES	FLOOR SLAB EDGE
A	FLOR	SLAB	BLOW		1	CONTINUOUS	YES	FLOOR SLAB EDGE BELOW
A	FLOR	SLAB	BYND		5	CONTINUOUS	YES	FLOOR SLAB EDGE BEYOND (VIEWED FROM OPENING ABOVE)
A	FLOR	SPCL			5	CONTINUOUS	YES	ARCH. SPECIALTIES (TOILET ROOM ACCESS. DISPLAY CASES)
A	FLOR	STRS			1	CONTINUOUS	YES	STAIRS (OR BLOCK INSERTION LAYER)
A	FLOR	STRS	ABVE		1	DASHED2	YES	STAIRS ABOVE
A	FLOR	STRS	BEAM		8	CONTINUOUS	YES	STAIRS BEAM
A	FLOR	STRS	BLOW		8	DOT2	YES	STAIRS BELOW
A	FLOR	STRS	GRAL		8	CONTINUOUS	YES	STAIRS GUARDRAIL
A	FLOR	STRS	HIDN		8	HIDDEN2	YES	STAIRS HIDDEN (STAIR STRUCTURE ETC.)
A	FLOR	STRS	HRAL		8	CONTINUOUS	YES	STAIRS HANDRAIL
A	FLOR	STRS	LADR		8	CONTINUOUS	YES	LADDER
A	FLOR	STRS	MISC		145,145,145	CONTINUOUS	YES	STAIRS MISCELLANEOUS
A	FLOR	STRS	STRG		8	CONTINUOUS	YES	STAIR STRINGER
A	FLOR	TACT			1	CONTINUOUS	YES	TACTILE STRIP
A	FLOR	WDWK			212	CONTINUOUS	YES	WOODWORK (FIELD - BUILT CABINETS & COUNTERS - USUALLY DASH)
FURNITURE								
A	FURN	____			1	CONTINUOUS	YES	FURNITURE - DESKS, ETC.
A	FURN	CHAR			1	CONTINUOUS	YES	CHAIR AND OTHER SEATING
A	FURN	CNTR			212	CONTINUOUS	YES	COUNTERS
A	FURN	HEET			1	CONTINUOUS	YES	HEAT SINK
A	FURN	KIOS			212	CONTINUOUS	YES	INFO KIOSK
A	FURN	MISC			1	CONTINUOUS	YES	FURNITURE PANELS, STORAGE COMPONENTS, ETC.
A	FURN	PLTR			8	CONTINUOUS	YES	PLANTER
A	FURN	TKVM			1	CONTINUOUS	YES	TICKET VENDING MACHINES
A	FURN	TURN			1	CONTINUOUS	YES	TURNSTILES
GLAZING								
A	GLAZ	____			212	CONTINUOUS	YES	WINDOWS,WINDOW WALLS,GLAZED PARTITIONS
A	GLAZ	CURT			212	CONTINUOUS	YES	CURTAIN WALLS
A	GLAZ	DOOR			5	CONTINUOUS	YES	GLASS DOOR, GLASS PANE
A	GLAZ	HDWR			5	CONTINUOUS	YES	GLAZING HARDWARE
A	GLAZ	MULL			212	CONTINUOUS	YES	WINDOW MULLIONS
A	GLAZ	MULL	MISC		1	CONTINUOUS	YES	WINDOW MULLIONS MISCELLANEOUS
A	GLAZ	PRHT			1	CONTINUOUS	YES	PARTIAL HEIGHT GLAZED SURFACE
A	GLAZ	SILL	EXTR		5	CONTINUOUS	YES	WINDOWS SILL EXTERIOR
A	GLAZ	SILL	INTR		212	CONTINUOUS	YES	WINDOWS SILL INTERIOR
A	GLAZ	SKLT			5	CONTINUOUS	YES	SKYLIGHT OUT-LINE SHOWN ON FLOOR PLAN
GRAPHICS								
A	GRPH	3DEE			5	CONTINUOUS	YES	3D IMAGES
A	GRPH	IMAG			255	CONTINUOUS	YES	GENERAL JPEGS, BMP, ETC.
A	GRPH	IMAG	ADVT		255	CONTINUOUS	YES	GRAPHIC IMAGES I.E. (BILLBOARDS & ADVERTISEMENTS)
A	GRPH	IMAG	RENR		255	CONTINUOUS	YES	RENDERING AND WATERCOLOR IMAGES
A	GRPH	IMAG	SIGN		255	CONTINUOUS	YES	GRAPHIC SIGNAGE (FULL COLOR - USING PANTONE COLORS)
KEY PLANS								
A	KPLN	____			212	CONTINUOUS	YES	KEY PLANS

A	KPLN	MISC			1	CONTINUOUS	YES	KEY PLAN MISCELLANEOUS
A	KPLN	PATT			1	CONTINUOUS	YES	TONE TO HIGHLIGHT SPECIFIC AREA
A	KPLN	TEXT			1	CONTINUOUS	YES	TEXT IN KEY PLAN
A	KPLN	WALL			1	CONTINUOUS	YES	MAIN WALLS IN KEY PLAN
PATTERNS								
A	PATT	____			8	CONTINUOUS	YES	TEXTURES
A	PATT	CMU_			90,90,90	CONTINUOUS	YES	CONCRETE MASONRY UNIT TEXTURES
A	PATT	STL_			8	CONTINUOUS	YES	STEEL TEXTURES
A	PATT	CLNG			8	CONTINUOUS	YES	CEILING TEXTURES
A	PATT	COLS			8	CONTINUOUS	YES	COLUMN PATTERN
A	PATT	CONC			90,90,90	CONTINUOUS	YES	CONCRETE TEXTURES
A	PATT	FGPN			8	CONTINUOUS	YES	FIBERGLASS TEXTURES
A	PATT	FLOR			8	CONTINUOUS	YES	PAVINGS, TILE, CARPET PATTERNS, MATERIAL PATTERN
A	PATT	FURN			8	CONTINUOUS	YES	FINISH PATTERNS
A	PATT	GROT			8	CONTINUOUS	YES	GROUT FILL TEXTURES
A	PATT	GYBD			8	CONTINUOUS	YES	GYPSUM / DRYWALL TEXTURES
A	PATT	INSU			8	CONTINUOUS	YES	FOAM INSULATION BOARD TEXTURES
A	PATT	INSU	BATT		8	CONTINUOUS	YES	BATTEN INSULATION TEXTURES
A	PATT	MISC			8	CONTINUOUS	YES	MISCELLANEOUS TEXTURES
A	PATT	PROT			8	CONTINUOUS	YES	PROTECTION BOARD TEXTURES
A	PATT	ROOF			8	CONTINUOUS	YES	ROOF SURFACE PATTERNS, HATCHING
A	PATT	WALL			8	CONTINUOUS	YES	MATERIAL PATTERNING, WALL INSULATION, HATCHING AND FILL
A	PATT	WALL	CONC		90,90,90	CONTINUOUS	YES	CONCRETE WALL PATTERNS
A	PATT	WOOD			90,90,90	CONTINUOUS	YES	WOOD PATTERN
REFERENCE								
A	REFN	ALGN	AXIS		113	PHANTOM4	NO	REFERENCE AXIAL ALIGNMENT
A	REFN	BLDG	LINE		85	HIDDEN	NO	REFERENCE BUILDING LINE
A	REFN	CLIN			75	CENTER5	NO	REFERENCE CENTERLINE
A	REFN	COLS	BUBL		200	CONTINUOUS	NO	REFERENCE COLUMN BUBBLES AND/OR IDENTIFICATION
A	REFN	DIMS			15	CONTINUOUS	NO	REFERENCE DIMENSIONS
A	REFN	ESCL			85	CONTINUOUS	NO	ANY LINES USED TO CONSTRUCT ESCALATORS
A	REFN	FRME			211	CONTINUOUS	NO	REFERENCE SHEET EDGE AND AVAILABLE DRAWING AREA
A	REFN	GRID			21	CENTER5	NO	REFERENCE GRID FOR DETAILS AND/OR DRAWING LAYOUT
A	REFN	GUID	HORZ		252	CONTINUOUS	NO	HORIZONTAL CONSTRUCTION LINES
A	REFN	GUID	LINE		151	CONTINUOUS	NO	GENERAL CONSTRUCTION LINES
A	REFN	GUID	VERT		143	CONTINUOUS	NO	VERTICAL CONSTRUCTION LINES
A	REFN	KPLN			201	CONTINUOUS	NO	REFERENCE KEY PLAN
A	REFN	ROOM			201	CONTINUOUS	NO	REFERENCE ROOM TAG
A	REFN	STRS			15	CONTINUOUS	NO	ANY LINES USE TO CONSTRUCT STAIRS
A	REFN	TEXT			15	CONTINUOUS	NO	REFERENCE TEXT
A	REFN	TEXT	VCIR		15	CONTINUOUS	NO	REFERENCE TEXT FOR STAIR DESIGN
A	REFN	TRAK	DYNA		93	DASHED5	NO	REFERENCE TRACK DYNAMIC ENVELOPE
A	REFN	WPNT			255	CONTINUOUS	NO	GENERAL WORKING POINTS
REVISION								
A	REVS	BUBL	0001		255	CONTINUOUS	YES	REVISION CLOUD AND ARC (CHANGE NUMBER WITH EACH REVISION)
A	REVS	SYMB	0001		3	CONTINUOUS	YES	REVISION TRIANGLE (CHANGE NUMBER WITH EACH REVISION)
ROOF								

A	ROOF	____			4	CONTINUOUS	YES	ROOF OUTLINE, ROOF PERIMETER / EDGE, ROOF GEOMETRY
A	ROOF	ABVE			212	DASHED4	YES	ROOF ABOVE OUTLINE
A	ROOF	BLOW			8	CONTINUOUS	YES	ROOF BELOW
A	ROOF	CNPY			2	CONTINUOUS	YES	CANOPY GEOMETRY - MAIN
A	ROOF	CNPY	MISC		1	CONTINUOUS	YES	CANOPY GEOMETRY – SECONDARY
A	ROOF	DRAN			8	CONTINUOUS	YES	ROOF DRAIN
A	ROOF	EDGE			1	CONTINUOUS	YES	ROOF OUTLINE
A	ROOF	GUTR			5	CONTINUOUS	YES	GUTTER AND LEADER
A	ROOF	GUTR	BLOW		8	CONTINUOUS	YES	GUTTER AND LEADER - BELOW
A	ROOF	HIGH			3	CONTINUOUS	YES	HIGH ROOF VIEW FROM THE TOP
A	ROOF	LEVL			5	CONTINUOUS	YES	LEVEL CHANGES, PITCH DIRECTIONS AND CANTS
A	ROOF	LOWR			212	CONTINUOUS	YES	LOW ROOF
A	ROOF	MISC			1	CONTINUOUS	YES	STAIR RISER, STAIR HANDRAIL, NOSING, GUARD RAIL, ROOF FURN.
A	ROOF	PATT			8	CONTINUOUS	YES	ROOF SURFACE PATTERNS, HATCHING
A	ROOF	PPET			1	CONTINUOUS	YES	ROOF PARAPET
A	ROOF	PPET	BLOW		8	CONTINUOUS	YES	ROOF PARAPET BELOW
A	ROOF	RIBS	HIDN		8	HIDDEN	YES	HIDDEN ROOF RIBS
A	ROOF	STRS	ABVE		8	HIDDEN	YES	ROOF STAIRS ABOVE
ROOM								
A	ROOM	NAME			212	CONTINUOUS	YES	ROOM NAME (SHOWN AS TEXT)
SCHEDULE								
A	SCHD	TABL			7	CONTINUOUS	YES	SCHEDULE INSERTION LAYER (SHOWN AS AUTOCAD TABLE)
SECTION								
A	SECT	STL_			2	CONTINUOUS	YES	STRUCTURAL STEEL CUT BY SECTION
A	SECT	STL_	MISC		8	CONTINUOUS	YES	SECTION THROUGH MISCELLANEOUS STEEL SHAPES AND COLUMN
A	SECT	BEAM	STL_		5	CONTINUOUS	YES	SECTION OF STEEL COLUMN
A	SECT	BEAM	CONC		4	CONTINUOUS	YES	SECTION OF CONCRETE BEAM
A	SECT	CLNG	LGHT		212	CONTINUOUS	YES	SECTION OF LIGHT FIXTURE IN CEILING
A	SECT	CLNG	PANL		212	CONTINUOUS	YES	SECTION OF CEILING PANEL
A	SECT	CNPY			1	CONTINUOUS	YES	CANOPY IN SECTION
A	SECT	COLS	STL_		2	CONTINUOUS	YES	STEEL COLUMN SECTION
A	SECT	COLS	CONC		2	CONTINUOUS	YES	SECTION OF CONCRETE COLUMN
A	SECT	COLS	DETL		1	CONTINUOUS	YES	COLUMN SECTION DETAIL
A	SECT	COLS	ENCL		212	CONTINUOUS	YES	COLUMN ENCLOSURE SECTION
A	SECT	COLS	HDWR		5	CONTINUOUS	YES	ELEMENTS ASSOCIATED WITH SECURING COLUMNS TO OTHER ELEMENTS LIKE NUTS, BOLTS, SCREWS, ETC.
A	SECT	COLS	HIDN		8	DASHED4	YES	HIDDEN COLUMN SECTION
A	SECT	COLS	PCST		8	CONTINUOUS	YES	SECTION OF PRECAST CONCRETE
A	SECT	CONC			2	CONTINUOUS	YES	SECTION OF CONCRETE
A	SECT	CONC	MISC		5	CONTINUOUS	YES	SECTION OF MISCELLANEOUS CONCRETE
A	SECT	DECK			212	CONTINUOUS	YES	METAL DECK IN SECTION
A	SECT	DOOR			1	CONTINUOUS	YES	DOOR IN SECTION
A	SECT	DUCT	MISC		8	CONTINUOUS	YES	SECTION THRU MISCELLANEOUS MECHANICAL
A	SECT	DUCT	RETN		212	CONTINUOUS	YES	SECTION THRU MECHANICAL RETURN DUCT
A	SECT	DUCT	SUPL		3	CONTINUOUS	YES	SECTION THRU MECHANICAL SUPPLY DUCT
A	SECT	ESCL			3	CONTINUOUS	YES	ESCALATOR IN SECTION
A	SECT	ESCL	HRAL		5	CONTINUOUS	YES	ESCALATOR HANDRAIL IN SECTION
A	SECT	ESCL	MACH		3	CONTINUOUS	YES	ESCALATOR MACHINERY IN SECTION

A	SECT	FNDA			2	CONTINUOUS	YES	FOUNDATIONS IN SECTION
A	SECT	GLAZ			3	CONTINUOUS	YES	WINDOWS CUT BY SECTION
A	SECT	GLAZ	HDWR		1	CONTINUOUS	YES	SECTION OF GLAZING HARDWARE
A	SECT	GRAL			5	CONTINUOUS	YES	GUARDRAIL SECTION
A	SECT	HRAL			5	CONTINUOUS	YES	SECTION OF HANDRAIL
A	SECT	JBAR			2	CONTINUOUS	YES	SECTION OF JERSEY BARRIER
A	SECT	MCUT			2	CONTINUOUS	YES	MAIN MATERIAL CUT BY SECTION
A	SECT	MISC			3	CONTINUOUS	YES	MISCELLANEOUS MATERIAL CUT BY SECTION
A	SECT	MISC	HIDN		1	HIDDEN-3_TO_3	YES	HIDDEN MISCELLANEOUS MATERIAL CUT IN SECTION
A	SECT	PANL	STNE		212	CONTINUOUS	YES	SECTION OF STONE PANEL
A	SECT	PIPE			1	CONTINUOUS	YES	SECTION THRU PIPE
A	SECT	PIPE	MISC		5	CONTINUOUS	YES	SECTION THRU MISCELLANEOUS PIPE ELEMENTS
A	SECT	RAMP			3	CONTINUOUS	YES	SECTION OF RAMP
A	SECT	RIVR			1	CONTINUOUS	YES	RIVER LINE IN SECTION
A	SECT	SEWR			3	CONTINUOUS	YES	SEWER IN SECTION
A	SECT	SKLT			5	CONTINUOUS	YES	SKYLIGHT SECTION
A	SECT	STRS			3	CONTINUOUS	YES	STAIRS IN SECTION
A	SECT	STRS	STRG		3	CONTINUOUS	YES	SECTION OF STAIR STRINGER
A	SECT	TRAN			5	CONTINUOUS	YES	SECTION OF TRAINS, SUBWAYS & MONORAILS
A	SECT	WALL			4	CONTINUOUS	YES	WALLS CUT BY SECTION
A	SECT	WALL	FGPN		212	CONTINUOUS	YES	FIBER GLASS PANEL AND/OR SYSTEM IN SECTION
A	SECT	WALL	GYPB		1	CONTINUOUS	YES	GYPSUM WALL BOARD IN SECTION
A	SECT	WALL	MISC		212	CONTINUOUS	YES	MISCELLANEOUS WALL SECTION
A	SECT	WALL	RETN		3	CONTINUOUS	YES	RETAINING WALL IN SECTION
A	SECT	WALL	SHFT		3	CONTINUOUS	YES	SHAFT WALL IN SECTION
A	SECT	WDBL			5	CONTINUOUS	YES	WOOD BLOCKING IN SECTION
SITE								
A	SITE	____			3	CONTINUOUS	YES	AIRPORT
A	SITE	ALGN	CLL_		4	PHANTOM4	YES	CONTRACT LIMIT LINE
A	SITE	ALGN	PROP		1	DASHDOT4	YES	PROPERTY LINE
A	SITE	ALGN	ROWL		3	PHANTOM5	YES	RIGHT OF WAY LINE
A	SITE	BLDG	ABVE		3	DASHEDX2	YES	BUILDING ABOVE OUTLINE
A	SITE	BLDG	OTLN		4	CONTINUOUS	YES	SECTION THROUGH BLDG OUTLINE
A	SITE	BOLL			5	CONTINUOUS	YES	SECURITY BOLLARD
A	SITE	CURB			5	CONTINUOUS	YES	CURBS
A	SITE	FENC			1	CONTINUOUS	YES	EXTERIOR FENCE
A	SITE	GRID	HZ01		8	CONTINUOUS	YES	PRIMARY X-AXIS COORDINATE GRID
A	SITE	GRID	HZ02		5	DOT4	YES	SECONDARY X-AXIS COORDINATE GRID
A	SITE	GRID	VT01		8	CONTINUOUS	YES	PRIMARY Y-AXIS COORDINATE GRID
A	SITE	GRID	VT02		5	DOT4	YES	SECONDARY Y-AXIS COORDINATE GRID
A	SITE	JBAR			5	CONTINUOUS	YES	JERSEY BARRIER
A	SITE	LGHT			5	CONTINUOUS	YES	STREET LIGHT
A	SITE	MISC			8	CONTINUOUS	YES	MISCELLANEOUS SITE FEATURES
A	SITE	PILE			3	CONTINUOUS	YES	PILES
A	SITE	SIGN			1	CONTINUOUS	YES	SITE SIGNAGE
A	SITE	STRE	SBAK		5	HIDDEN-3_TO_3	YES	STREET SETBACKS
A	SITE	STRE	STRP		8	CONTINUOUS	YES	TRAFFIC STREET STRIPING

A	SITE	SWLK			5	CONTINUOUS	YES	SIDEWALK
A	SITE	TRAF	SLPE		8	DASHED5	YES	SLOPE
A	SITE	TRAK			5	CONTINUOUS	YES	TRACKS
A	SITE	TRAK	CLIN		1	CENTER	YES	TRACK CENTERLINES
A	SITE	TUNL			8	CONTINUOUS	YES	TUNNEL
A	SITE	UNGR	STRU		251	CONTINUOUS	YES	UNDERGROUND STRUCTURE (OR XREF/BLOCK INSERTION LAYER)
A	SITE	UNGR	UTIL		251	CONTINUOUS	YES	UNDERGROUND UTILITIES (OR XREF/BLOCK INSERTION LAYER)
SLURRY WALL								
A	SWAL	____			2	CONTINUOUS	YES	SLURRY WALL
A	SWAL	TBAK			8	CONTINUOUS	YES	SLURRY WALL TIEBACK
TONE								
A	TONE	____			250	CONTINUOUS	YES	VARIOUS COLOR TONING (USED FOR PRESENTATION - STAGE 1 ONLY)
A	TONE	SKY_			61	CONTINUOUS	YES	SKY ZONE FILL
A	TONE	AIRP			251	CONTINUOUS	YES	SHADING OF AIRPORT
A	TONE	BLDG			191	CONTINUOUS	YES	BUILDING SECTIONS AND ELEVATIONS
A	TONE	COLS			253	CONTINUOUS	YES	COLUMN ENCLOSURE FILL
A	TONE	ELEC				CONTINUOUS	YES	ELECTRICAL, ELECTRONICS, SPACES FILL
A	TONE	GRND			251	CONTINUOUS	YES	SECTION/ELEVATION/PLAN GROUND PLANE
A	TONE	MECH			153	CONTINUOUS	YES	MECHANICAL ZONE FILL
A	TONE	OFCE			41	CONTINUOUS	YES	OFFICE ZONE FILL
A	TONE	OPNG			61	CONTINUOUS	YES	OPEN TO BELOW ZONE FILL
A	TONE	OTLN			165	CONTINUOUS	NO	OUTLINE OF TONE FILL
A	TONE	OTLN	SKY_		61	CONTINUOUS	NO	SKY FILL OUTLINE
A	TONE	OTLN	BLDG		191	CONTINUOUS	NO	BUILDING SECTIONS AND ELEVATIONS OUTLINE
A	TONE	OTLN	COLS		253	CONTINUOUS	NO	COLUMN ENCLOSURE FILL OUTLINE
A	TONE	OTLN	GRND		251	CONTINUOUS	NO	SECTION/ELEVATION/PLAN GROUND PLANE OUTLINE
A	TONE	OTLN	MECH		153	CONTINUOUS	NO	MECHANICAL FILL OUTLINE
A	TONE	OTLN	OFCE		41	CONTINUOUS	NO	OFFICE FILL OUTLINE
A	TONE	OTLN	OPNG		61	CONTINUOUS	NO	OPEN TO BELOW FILL OUTLINE
A	TONE	OTLN	PARK		254	CONTINUOUS	NO	PARKING FILL OUTLINE
A	TONE	OTLN	PUBL		40	CONTINUOUS	NO	PUBLIC FILL OUTLINE
A	TONE	OTLN	RETL		21	CONTINUOUS	NO	RETAIL FILL OUTLINE
A	TONE	OTLN	RIVR		153	CONTINUOUS	NO	RIVER FILL OUTLINE
A	TONE	OTLN	SECT		255	CONTINUOUS	NO	SHADING OUTLINES
A	TONE	OTLN	SERV		141	CONTINUOUS	NO	SERVICE FILL OUTLINE
A	TONE	OTLN	SWAL		253	CONTINUOUS	NO	SLURRY WALL OUTLINE
A	TONE	OTLN	VERT		30	CONTINUOUS	NO	VERTICAL CIRCULATION FILL OUTLINE
A	TONE	PARK			254	CONTINUOUS	YES	PARKING ZONE FILL
A	TONE	PATH				CONTINUOUS	YES	PATH OPERATION ZONE FILL
A	TONE	PUBL			40	CONTINUOUS	YES	PUBLIC ZONE FILL
A	TONE	RETL			21	CONTINUOUS	YES	RETAIL ZONE FILL
A	TONE	RIVR			153	CONTINUOUS	YES	RIVER ZONE FILL
A	TONE	SERV			141	CONTINUOUS	YES	SERVICE ZONE FILL
A	TONE	SITE			175,175,175	CONTINUOUS	YES	
A	TONE	SWAL			145,145,145	CONTINUOUS	YES	SHADING OF SLURRY WALLS
A	TONE	UNAS			145,145,145	CONTINUOUS	YES	UNASSIGNED SPACE
A	TONE	UTIL				CONTINUOUS	YES	UTILITY SPACE FILL (PLUMBING, PUMP ROOMS, ETC.)

A	TONE	VERT			30	CONTINUOUS	YES	VERTICAL CIRCULATION ZONE FILL
A	TONE	WALL			115,115,115	CONTINUOUS	YES	WALL ZONE FILL
WALL								
A	WALL	____			4	CONTINUOUS	YES	FULL HEIGHT WALLS, STAIR AND SHAFT WALLS, WALLS TO STRUCTURE
A	WALL	ABVE			5	DASHED2	YES	WALL ABOVE
A	WALL	BARR			1	CONTINUOUS	YES	WALL BARRIER OR LINER WALL
A	WALL	BLOW			5	DASHED5	YES	WALL BELOW
A	WALL	CASE			212	CONTINUOUS	YES	WALL MOUNTED CASEWORK
A	WALL	CNPY			1	CONTINUOUS	YES	CANOPY WALL
A	WALL	FGPN			5	CONTINUOUS	YES	FIBERGLASS WALL PANEL
A	WALL	FNSH			1	CONTINUOUS	YES	FINISHES, WOODWORK, TRIM
A	WALL	GYPB			1	CONTINUOUS	YES	GYPSUM WALLBOARD
A	WALL	KWAL	NFIL		8	CONTINUOUS	YES	KALWALL INFILL GRID
A	WALL	KWAL	OTLN		1	CONTINUOUS	YES	KALWALL MAIN PANEL
A	WALL	MISC			1	CONTINUOUS	YES	MISCELLANEOUS WALL
A	WALL	MOVE			4	CONTINUOUS	YES	MOVABLE PARTITIONS
A	WALL	PRHT			3	CONTINUOUS	YES	PARTIAL HEIGHT WALLS (DON'T APPEAR ON REFLECTED CEILING PLANS)
A	WALL	SHER			3	CONTINUOUS	YES	SHEAR WALL
A	WALL	SHFT			3	CONTINUOUS	YES	SHAFT WALL
A	WALL	SHFT	OPNG		8	CONTINUOUS	YES	X REPRESENTING SHAFT OPENING - OPENING IN WALL RELATED TO SHAFTS, ETC
A	WALL	STRS			212	CONTINUOUS	YES	WALLS AROUND STAIRS
A	WALL	TPTN			212	CONTINUOUS	YES	TOILET PARTITIONS
A	WALL	TRAK			1	CONTINUOUS	YES	WALLS AROUND TRACKS
A	WALL	TRAK	BLOW		8	CONTINUOUS	YES	WALLS AROUND TRACKS BELOW
A	WALL	TRAK	HIDN		250	HIDDEN	YES	HIDDEN WALLS AROUND TRACKS
XREF								
A	XREF	OLE_			255	CONTINUOUS	YES	LAYER TO ATTACH OLE LINKED FILES ONTO (IE EXCEL, ACCESS OR WORD)
A	XREF	BLDG			8	CONTINUOUS	YES	XREF BUILDING ONTO
A	XREF	BLDG	ABVE		8	HIDDEN	YES	XREF BUILDING ABOVE ONTO
A	XREF	BLDG	BLOW		5	HIDDEN	YES	XREF BUILDING BELOW ONTO
A	XREF	BLDG	DETL		5	HIDDEN	YES	XREF BUILDING DETAILS ONTO
A	XREF	BLDG	NTRY		5	CONTINUOUS	YES	XREF BUILDING ENTRY LEVEL ONTO
A	XREF	BORD			7	CONTINUOUS	YES	XREF BORDERS AND ASSOCIATED ATTRIBUTES ONTO
A	XREF	CLNG			7	CONTINUOUS	YES	XREF RCP'S ONTO
A	XREF	COLS	STL_		7	CONTINUOUS	YES	XREF COLUMN STL/ENCLOSURE ONTO
A	XREF	COLS	CLIN		7	CONTINUOUS	YES	XREF COLUMN GRIDS CENTERLINES ONTO
A	XREF	CURB			8	CONTINUOUS	YES	STREET CURBS
A	XREF	CURB	ABVE		8	HIDDEN	YES	XREF STREET CURBS ABOVE ONTO
A	XREF	CURB	BLOW		8	HIDDEN	YES	STREET CURBS BELOW
A	XREF	ELEV			7	CONTINUOUS	YES	XREF ELEVATIONS ONTO
A	XREF	ESCL			5	CONTINUOUS	YES	ESCALATOR
A	XREF	ESCL	BLOW		8	DOT4	YES	ESCALATOR BELOW
A	XREF	FLOR			7	CONTINUOUS	YES	XREF FLOOR PLAN ONTO
A	XREF	GRID	COOR		7	CONTINUOUS	YES	XREF COORDINATE GRID ONTO
A	XREF	INDX			7	CONTINUOUS	YES	LAYER TO XREF DRAWING INDEX ONTO
A	XREF	KPLN			7	CONTINUOUS	YES	XREF KEY PLAN ONTO

A	XREF	LAND			7	CONTINUOUS	YES	XREF LANDSCAPE ONTO
A	XREF	RAST			7	CONTINUOUS	YES	RASTER IMAGES
A	XREF	SECT			7	CONTINUOUS	YES	XREF SECTIONS ONTO
A	XREF	SGRD	STRU		7	CONTINUOUS	YES	XREF STRUCTURAL SUB GRADE ONTO
A	XREF	SGRD	UTIL		7	CONTINUOUS	YES	XREF SUB GRADE UTILITIES ONTO
A	XREF	SITE			7	CONTINUOUS	YES	XREF SITE PLAN ONTO
A	XREF	TRAF	STRP		7	CONTINUOUS	YES	XREF TRAFFIC STRIPPING ONTO
A	XREF	TRAK			7	CONTINUOUS	YES	XREF TRACKS ONTO

6.16.2.2 Existing work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
A	____	____	____	____	252	CONTINUOUS	YES	

6.16.2.3 Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
A	____	____	____	FUTR	5	CONTINUOUS	YES	

6.16.2.4 Relocate Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
A	____	____	____	RELO	1	CONTINUOUS	YES	

6.16.2.5 Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
A	____	____	____	____	5	CONTINUOUS	YES	

6.16.2.6 Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
A	____	____	____	TEMP	6	CONTINUOUS	YES	

6.16.2.7 Landscape New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
GENERAL								
L	GNRL	CHNG			2	DIVIDE4	YES	IDENTIFICATION OF UPDATED WORK
ANNOTATION								
L	ANNO	BUS_			5	CONTINUOUS	YES	BUSES
L	ANNO	CLL_			4	CONTINUOUS	YES	CONTRACT LIMIT LINE
L	ANNO	CUT_	LINE		8	CONTINUOUS	YES	CUT LINE
L	ANNO	BREK			5	CONTINUOUS	YES	BREAK LINE
L	ANNO	CARS			8	CONTINUOUS	YES	CARS
L	ANNO	CLIN			8	CENTER5	YES	CENTERLINE
L	ANNO	DIMS	GUID		1	DOT8	YES	DIMENSION GUIDE LINE
L	ANNO	DIMS			1	CONTINUOUS	YES	DIMENSIONS
L	ANNO	DETL	IDEN		3	CONTINUOUS	YES	DETAIL SYMBOL
L	ANNO	GDLN			113	CONTINUOUS	YES	GUIDELINE
L	ANNO	LGND	DISC		1	CONTINUOUS	YES	LEGEND DISCLAIMER
L	ANNO	LGND			6	CONTINUOUS	YES	LEGENDS AND SYMBOLS ASSOCIATED WITH LEGENDS
L	ANNO	MLIN			4	DIVIDE2	YES	MATCH LINE
L	ANNO	NOTE			6	CONTINUOUS	YES	MISCELLANEOUS NOTES
L	ANNO	PEOP			8	CONTINUOUS	YES	PEOPLE
L	ANNO	REDL			10	CONTINUOUS	YES	REDLINE

L	ANNO	SCUT	AROW		5	CONTINUOUS	YES	DIRECTIONAL ARROW
L	ANNO	SCUT	GUID		6	DOT8	YES	SECTION CUT LINE CONNECTING HEAD AND TAIL
L	ANNO	SCUT	SYMB		3	CONTINUOUS	YES	SECTION CUT SYMBOL
L	ANNO	SYMB	MISC		3	CONTINUOUS	YES	MISCELLANEOUS SYMBOLS
L	ANNO	SYMB	NRTH		5	CONTINUOUS	YES	NORTH ARROW
L	ANNO	SYMB	SCLE		1	CONTINUOUS	YES	SCALE BAR
L	ANNO	SYMB			3	CONTINUOUS	YES	SYMBOL BLOCK INSERTION LAYER
L	ANNO	TEXT	CLL_		1	CONTINUOUS	YES	CONTRACT LIMIT LINE TEXT
L	ANNO	TEXT	DATE		5	CONTINUOUS	YES	PRESENTATION DATE
L	ANNO	TEXT	LEDR		5	CONTINUOUS	YES	TEXT LEADER LINE
L	ANNO	TEXT	MISC		5	CONTINUOUS	YES	SECONDARY TEXT
L	ANNO	TEXT	MLIN		6	CONTINUOUS	YES	MATCH LINE TEXT
L	ANNO	TEXT	PLIN		1	CONTINUOUS	YES	PROPERTY LINE TEXT
L	ANNO	TEXT	ROWL		6	CONTINUOUS	YES	RIGHT OF WAY TEXT
L	ANNO	TEXT	TITL		3	CONTINUOUS	YES	TEXT
L	ANNO	TEXT			6	CONTINUOUS	YES	STREET NAME TEXT
L	ANNO	TEXT	STRE		1	CONTINUOUS	YES	TRAINS, SUBWAYS & MONORAILS
L	ANNO	TRAN			8	CONTINUOUS	YES	TRUCKS
L	ANNO	TRUK			8	CONTINUOUS	YES	DRAWING TITLE ON PRESENTATION BORDER
L	ANNO	TTLB	PRES		5	CONTINUOUS	NO	VIEW PORT CREATION LAYER
L	ANNO	VPRT			200	CONTINUOUS	NO	VIEW PORT CREATION LAYER
L	ANNO	VPRT	TONE		255	CONTINUOUS	YES	VIEW PORT SHADE (FOR PRESENTATION)
AREA								
L	AREA	IDEN			40	CONTINUOUS	NO	AREA CALCULATION
L	AREA	OTLN			40	CONTINUOUS	NO	AREA CALCULATION BOUNDARY LINES
L	AREA	PATT	HTCH		41	CONTINUOUS	NO	AREA HATCH
L	AREA	PLNT			40	CONTINUOUS	NO	PLANT NAME AND QUANTITY
CHART								
L	CHRT	BDR_			3	CONTINUOUS	YES	CHART BORDER
L	CHRT	LINE			1	CONTINUOUS	YES	CHART LINE
L	CHRT	TEXT			6	CONTINUOUS	YES	CHART TEXT
L	CHRT	TITL			6	CONTINUOUS	YES	CHART TITLE
ELEVATION								
L	ELEV	BYND			252	CONTINUOUS	YES	ELEVATION OR SECTION OBJECTS IN THE DISTANCE
L	ELEV	TREE	BYND		252	CONTINUOUS	YES	TREES IN THE DISTANCE (BACKGROUND)
L	ELEV	HIDN			1	HIDDEN2	YES	ELEVATION OR SECTION OBJECTS OBSCURED BY FORGROUND OBJECTS
L	ELEV	SHRB	BYND		252	CONTINUOUS	YES	SHRUB THE DISTANCE (BACKGROUND)
MAJOR CONTOUR LINES								
L	GRAD	INDX			6	CONTINUOUS	YES	MAJOR CONTOUR LINES
L	GRAD	INTR			8	CONTINUOUS	YES	MINOR CONTOUR LINES
L	GRAD	TEXT			6	CONTINUOUS	YES	MAJOR CONTOUR LINE LABEL TEXT
KEY PLAN								
L	KPLN	BDR_			3	CONTINUOUS	YES	KEY PLAN BORDER

L	KPLN	HTCH			8	CONTINUOUS	YES	KEY PLAN HATCH
L	KPLN	TEXT			1	CONTINUOUS	YES	KEY PLAN TEXT
PLAN								
L	PLAN	HDR_			5	CONTINUOUS	YES	HEADER
L	PLAN	ROW_			1	PHANTOM5	YES	RIGHT OF WAY LINE
L	PLAN	ABTM			3	CONTINUOUS	YES	BRIDGE ABUTMENT
L	PLAN	ARCH	MISC		253	CONTINUOUS	YES	ARCHITECTURAL MISCELLANEOUS
L	PLAN	BLDG	ABVE		1	DASHED	YES	BUILDING ABOVE OUTLINE
L	PLAN	BLDG	HTCH		8	CONTINUOUS	YES	BUILDING HATCH
L	PLAN	BLDG			4	CONTINUOUS	YES	BUILDING OUTLINE
L	PLAN	BOLL			6	CONTINUOUS	YES	BOLLARD
L	PLAN	BRDG			8	CONTINUOUS	YES	BRIDGE
L	PLAN	BULB	HTCH		15	CONTINUOUS	YES	BULB FILL
L	PLAN	BULB			5	CONTINUOUS	YES	AREA TO RECEIVE BULB PLANTING
L	PLAN	CNPY			8	DASHED2	YES	CANOPY
L	PLAN	COLS			8	CONTINUOUS	YES	COLUMN
L	PLAN	CONC	ACNT		17	CONTINUOUS	YES	CONCRETE ACCENT BAND
L	PLAN	CONC	HTCH		252	CONTINUOUS	YES	CONCRETE FILL
L	PLAN	CONC	JNT_		1	CONTINUOUS	YES	EXPANSION JOINT
L	PLAN	CONC	SCLN		1	CONTINUOUS	YES	CONCRETE SCORELINE
L	PLAN	CONC			5	CONTINUOUS	YES	AREA TO RECEIVE CONCRETE
L	PLAN	CURB	BACK		5	CONTINUOUS	YES	BACK OF CURB
L	PLAN	CURB	FACE		6	CONTINUOUS	YES	FACE OF CURB
L	PLAN	CIVL	WQFT		253	CONTINUOUS	YES	WATER QUALITY FILTRATION TRENCH
L	PLAN	EROS	HTCH		5	CONTINUOUS	YES	EROSION CONTROL MAT FILL
L	PLAN	EROS			6	CONTINUOUS	YES	AREA TO RECEIVE EROSION CONTROL MAT
L	PLAN	FENC	CLF_		6	FENCE	YES	CHAIN LINK FENCE
L	PLAN	FENC	PIC_		6	FENCE	YES	PICKET FENCE
L	PLAN	FURN			1	CONTINUOUS	YES	SITE FURNITURE
L	PLAN	GMLH	HTCH		5	CONTINUOUS	YES	GRAVEL MULCH FILL
L	PLAN	GMLH			1	CONTINUOUS	YES	AREA TO RECEIVE GRAVEL MULCH
L	PLAN	JBAR			252	CONTINUOUS	YES	JERSEY BARRIER
L	PLAN	LGHT	LDSP		1	CONTINUOUS	YES	LANDSCAPE LIGHT
L	PLAN	LGHT			1	CONTINUOUS	YES	STREET LIGHT
L	PLAN	LINE	HVY_		4	CONTINUOUS	YES	HEAVY LINEWORK
L	PLAN	LINE	MED_		3	CONTINUOUS	YES	MEDIUM LINEWORK
L	PLAN	LINE	FINE		1	CONTINUOUS	YES	FINE LINEWORK
L	PLAN	LINE	XFIN		8	CONTINUOUS	YES	EXTRA FINE LINEWORK
L	PLAN	LMOD			1	CONTINUOUS	YES	LIMIT OF DISTURBANCE
L	PLAN	MISC	ELEC		253	CONTINUOUS	YES	MISCELLANEOUS ELECTRICAL
L	PLAN	MISC	OTLN		31	CONTINUOUS	YES	MISCELLANEOUS HATCH OUTLINE
L	PLAN	MISC			1	CONTINUOUS	YES	MISCELLANEOUS SITE FEATURES
L	PLAN	PILE			5	CONTINUOUS	YES	PILES

L	PLAN	PRNL	HTCH		1	CONTINUOUS	YES	PERENNIAL FILL
L	PLAN	PRNL			5	CONTINUOUS	YES	AREA TO RECEIVE PERENNIALS
L	PLAN	PROP			1	DASHDOT4	YES	PROPERTY LINE
L	PLAN	RRIP			8	CONTINUOUS	YES	RIP RAP FILL
L	PLAN	SCRN	HTCH		1	CONTINUOUS	YES	STONE SCREENINGS FILL
L	PLAN	SCRN			6	CONTINUOUS	YES	AREA TO RECEIVE STONE SCREENINGS
L	PLAN	SEED	HTCH		6	CONTINUOUS	YES	SEED FILL
L	PLAN	SEED			31	CONTINUOUS	YES	AREA TO RECEIVE SEED
L	PLAN	SHRB	HTCH		1	CONTINUOUS	YES	SHRUB FILL
L	PLAN	SHRB			6	CONTINUOUS	YES	AREA TO RECEIVE SHRUBS
L	PLAN	SLEV			5	CONTINUOUS	YES	IRRIGATION SLEEVE
L	PLAN	SLFN			1	DASHDOT	YES	SILT FENCE
L	PLAN	SPAD	EDGE		251	DASHED5	YES	SPADE CUT EDGE
L	PLAN	SPOT	ELEV		1	CONTINUOUS	YES	SPOT ELEVATION
L	PLAN	SSPL	HTCH		253	CONTINUOUS	YES	SALT SPLASH FILL
L	PLAN	SSPL	TYPA		8	CONTINUOUS	YES	EWR TYPE A SALT SPLASH
L	PLAN	SSPL	TYPB		8	CONTINUOUS	YES	EWR TYPE B SALT SPLASH
L	PLAN	SSPL	JFK_		1	CONTINUOUS	YES	JFK SALT SPLASH
L	PLAN	SSPL	LGA_		1	CONTINUOUS	YES	LGA SALT SPLASH
L	PLAN	SSPL	SWF_		1	CONTINUOUS	YES	SWF SALT SPLASH
L	PLAN	SWLK			253	CONTINUOUS	YES	SIDEWALK
L	PLAN	TEXT			6	CONTINUOUS	YES	PLAN TEXT
L	PLAN	TRAF	GR__		253	CONTINUOUS	YES	GUARD RAIL (W-BEAM OR BOX BEAM)
L	PLAN	TRAF	PRK_		251	CONTINUOUS	YES	PARKING STALLS
L	PLAN	TRAF	HCAP		251	CONTINUOUS	YES	HANDICAP PARKING
L	PLAN	TRAF	MISC		253	CONTINUOUS	YES	MISCELLAENOUS TRAFFIC ITEMS
L	PLAN	TRAF	SIGN		253	CONTINUOUS	YES	TRAFFIC SIGN
L	PLAN	TRAF	WHST		253	CONTINUOUS	YES	WHEEL STOPS
L	PLAN	TRAF			253	CONTINUOUS	YES	GENERAL PAVEMENT MARKINGS
L	PLAN	TRAK			8	CONTINUOUS	YES	TRACKS
L	PLAN	TREE	ORN_		5	CONTINUOUS	YES	ORNAMENTAL TREE
L	PLAN	TREE	EVER		1	CONTINUOUS	YES	EVERGREEN TREE
L	PLAN	TREE	CNPY		6	CONTINUOUS	YES	CANOPY TREE
L	PLAN	TREE	PBOX		8	CONTINUOUS	YES	TREE PROTECTION BOX
L	PLAN	WALL	RETN		6	CONTINUOUS	YES	RETAINING WALL
L	PLAN	WATR	EDGE		5	DASHEDX2	YES	WATER EDGE
L	PLAN	WETL	GS__		1	CONTINUOUS	YES	GOOSE STAKE FLAG
L	PLAN	WETL	MHW		1	DASHED5	YES	MEAN HIGH WATER
L	PLAN	WETL	MLW		1	HIDDENX2	YES	MEAN LOW WATER
L	PLAN	WETL	WFF_		6	CONTINUOUS	YES	WATER FOWL FENCING
REVISIONS								
L	REVS	BUBL			3	CONTINUOUS	YES	REVISIONS BUBBLE
L	REVS	SYMB			3	CONTINUOUS	YES	REVISIONS TEXT

SCHEDULES								
L	SCHD	PLNT			7	CONTINUOUS	YES	PLANT SCHEDULE INSERTION LAYER (AUTOCAD TABLE)
L	SCHD	PLNT	BDR_		4	CONTINUOUS	YES	PLANT SCHEDULE BORDER
L	SCHD	PLNT	LINE		6	CONTINUOUS	YES	PLANT SCHEDULE LINES
L	SCHD	PLNT	TEXT		1	CONTINUOUS	YES	PLANT SCHEDULE TEXT
L	SCHD	PLNT	TITL		3	CONTINUOUS	YES	PLANT SCHEDULE TITLE
SECTION								
L	SECT	CARS			5	CONTINUOUS	YES	VEHICLES
L	SECT	CONC	HTCH		1	CONTINUOUS	YES	CONCRETE FILL
L	SECT	CONC			5	CONTINUOUS	YES	AREA TO RECEIVE CONCRETE
L	SECT	DGAB			251	CONTINUOUS	YES	DGABC
L	SECT	EROS			6	CONTINUOUS	YES	EROSION CONTROL MAT
L	SECT	ERTH	HTCH		252	CONTINUOUS	YES	EARTH FILL
L	SECT	ERTH			40	CONTINUOUS	YES	AREA TO RECEIVE EARTH
L	SECT	GC__			5	CONTINUOUS	YES	GROUND COVER
L	SECT	GRAV	MLCH		8	CONTINUOUS	YES	GRAVEL MULCH
L	SECT	LINE	FINE		1	CONTINUOUS	YES	FINE LINEWORK
L	SECT	LINE	MED_		3	CONTINUOUS	YES	MEDIUM LINEWORK
L	SECT	LINE	XFIN		8	CONTINUOUS	YES	EXTRA FINE LINEWORK
L	SECT	LINE	HVY_		4	CONTINUOUS	YES	HEAVY LINEWORK
L	SECT	MISC	HTCH		253	CONTINUOUS	YES	MISCELLANEOUS HATCH
L	SECT	MISC	OTLN		31	CONTINUOUS	YES	MISCELLANEOUS OUTLINE
L	SECT	PEOP			5	CONTINUOUS	YES	PEOPLE
L	SECT	PRNL			1	CONTINUOUS	YES	PERENNIAL
L	SECT	PROF	GL__		5	DOT2	YES	PROFILE GUIDELINES
L	SECT	PROF			3	CONTINUOUS	YES	PROPOSED PROFILE
L	SECT	PROF	TEXT		6	CONTINUOUS	YES	PROFILE TEXT
L	SECT	SAND	HTCH		1	CONTINUOUS	YES	SAND SETTING BED
L	SECT	SHRB			1	CONTINUOUS	YES	SHRUB
L	SECT	TEXT			6	CONTINUOUS	YES	SECTION TEXT
L	SECT	TREE	BYND		252	CONTINUOUS	YES	TREE IN BACKGROUND
L	SECT	TREE	EVRG		5	CONTINUOUS	YES	EVERGREEN TREE
L	SECT	TREE	ORN_		8	CONTINUOUS	YES	ORNAMENTAL TREE
L	SECT	TREE			1	CONTINUOUS	YES	CANOPY TREE
SITE								
L	SITE	BLDG	ABVE		6	DASHED	YES	BUILDING ABOVE OUTLINE
L	SITE	BLDG	HTCH		252	CONTINUOUS	YES	BUILDING FILL
L	SITE	BLDG	SHDW		253	CONTINUOUS	YES	BUILDING SHADOW
L	SITE	BLDG			4	CONTINUOUS	YES	BUILDING OUTLINE
L	SITE	CONC	ACNT		17	CONTINUOUS	YES	CONCRETE ACCENT BAND
L	SITE	CONC	HTCH		252	CONTINUOUS	YES	CONCRETE FILL
L	SITE	CONC			5	CONTINUOUS	YES	AREA TO RECEIVE CONCRETE
L	SITE	HDR_			252	CONTINUOUS	YES	HEADER (FLUSH CURB)

L	SITE	LAWN	HTCH		63	CONTINUOUS	YES	LAWN FILL
L	SITE	LAWN			31	CONTINUOUS	YES	AREA TO RECEIVE LAWN
L	SITE	LDSP	HTCH		61	CONTINUOUS	YES	LANDSCAPE FILL
L	SITE	LDSP			8	CONTINUOUS	YES	LANDSCAPED AREA
L	SITE	MISC	HTCH		251	CONTINUOUS	YES	MISCELLANEOUS HATCH
L	SITE	PRNL	HTCH		1	CONTINUOUS	YES	PERENNIAL FILL
L	SITE	PRNL	SHDW		253	CONTINUOUS	YES	PERENNIAL SHADOW
L	SITE	PRNL			6	CONTINUOUS	YES	AREA TO RECEIVE PERENNIALS
L	SITE	SHRB	HTCH		1	CONTINUOUS	YES	SHRUB FILL
L	SITE	SHRB	SHDW		253	CONTINUOUS	YES	SHRUB SHADOW
L	SITE	SHRB			6	CONTINUOUS	YES	AREA TO RECEIVE SHRUBS
L	SITE	SSPL	HTCH		251	CONTINUOUS	YES	SALT SPLASH FILL
L	SITE	SSPL			1	CONTINUOUS	YES	AREA TO RECEIVE SALT SPLASH
L	SITE	TREE	SHDW		253	CONTINUOUS	YES	TREE SHADOW
L	SITE	TREE	CNPY		1	CONTINUOUS	YES	CANOPY TREE
L	SITE	TREE	EVER		1	CONTINUOUS	YES	EVERGREEN TREE
L	SITE	TREE	ORN_		5	CONTINUOUS	YES	ORNAMENTAL TREE
L	SITE	WATR	HVY_		121	CONTINUOUS	YES	HEAVY WATER FILL
L	SITE	WATR	LGHT		131	CONTINUOUS	YES	LIGHT WATER FILL
L	SITE	WATR	MED_		133	CONTINUOUS	YES	MEDIUM WATER FILL
L	SITE	WETL	CHAN		143	CONTINUOUS	YES	CHANNEL
L	SITE	WETL	IVA_		72	CONTINUOUS	YES	IVA WETLAND PLANTS
L	SITE	WETL	SPAR		41	CONTINUOUS	YES	SPARTINA
XREF								
L	XREF	BDR_			7	CONTINUOUS	YES	XREF BORDER AND ATTRIBUTES
L	XREF	CLIP			7	CONTINUOUS	YES	XCLIP
L	XREF	CURB			7	CONTINUOUS	YES	XREF CURBS
L	XREF	DTL_			7	CONTINUOUS	YES	XREF DETAILS
L	XREF	SCRN			7	CONTINUOUS	YES	XREF OF SCREENED BACKGROUND
L	XREF	NOTE			7	CONTINUOUS	YES	XREF SPECS AND NOTES
L	XREF	SECT			7	CONTINUOUS	YES	XREF SECTIONS
L	XREF	SITE			7	CONTINUOUS	YES	XREF SITE PLAN

6.16.2.8 Landscape Existing Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT EXISTING LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
L	____	____	____	EXST	253	CONTINUOUS	YES	
ANNOTATION								
L	ANNO	CLIN	____	EXST	253	CENTER5	YES	EXISTING CENTERLINE
L	ANNO	DIMS	____	EXST	253	DOT8	YES	EXISTING DIMENSION GUIDE LINE
ELEVATION								
L	ELEV	HIDN	____	EXST	253	HIDDEN2	YES	EXISTING ELEVATION OR SECTION OBJECTS OBSCURED BY FOREGROUND OBJECTS
PLAN								
L	PLAN	BLDG	ABVE		253	DASHED	YES	BUILDING ABOVE OUTLINE
L	PLAN	CNPY			253	DASHED2	YES	CANOPY
L	PLAN	FENC	CLF_		253	FENCE	YES	CHAIN LINK FENCE
L	PLAN	FENC	PIC_		253	FENCE	YES	PICKET FENCE
L	PLAN	PROP			253	DASHDOT4	YES	PROPERTY LINE
L	PLAN	ROW_			253	PHANTOM5	YES	RIGHT OF WAY LINE
L	PLAN	SLFN			253	DASHDOT	YES	SILT FENCE
L	PLAN	SPAD	EDGE		253	DASHED5	YES	SPADE CUT EDGE
L	PLAN	WATR	EDGE		253	DASHEDX2	YES	WATER EDGE
SECTION								
L	SECT	PROF	GL__	EXST	253	DOT2	YES	EXISTING PROFILE GUIDELINES
SITE								
L	SITE	BLDG	ABVE	EXST	253	DASHED	YES	EXISTING BUILDING ABOVE OUTLINE
L	SITE	LDSP	HTCH	EXST	43	CONTINUOUS	YES	EXISTING LANDSCAPE FILL
L	SITE	LDSP	____	EXST	31	CONTINUOUS	YES	EXISTING LANDSCAPED AREA

6.16.2.9 Landscape Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT FUTURE LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
L	____	____	____	FUTR	6	CONTINUOUS	YES	
ANNOTATION								
L	ANNO	CLIN	____	FUTR	6	CENTER5	YES	FUTURE CENTERLINE

L	ANNO	DIMS	____	FUTR	6	DOT8		
ELEVATION								
L	ELEV	HIDN	____	FUTR	6	HIDDEN2	YES	FUTURE ELEVATION OR SECTION OBJECTS OBSCURED BY FOREGROUND OBJECTS
PLAN								
L	PLAN	ROW_	____	FUTR	6	PHANTOM5	YES	FUTURE RIGHT OF WAY LINE
L	PLAN	BLDG	____	FUTR	6	DASHED	YES	FUTURE BUILDING ABOVE OUTLINE
L	PLAN	FENC	____	FUTR	6	FENCE	YES	FUTURE CHAIN LINK FENCE
L	PLAN	FENC	____	FUTR	6	FENCE	YES	FUTURE PICKET FENCE
L	PLAN	PROP	____	FUTR	6	DASHDOT4	YES	FUTURE PROPERTY LINE
L	PLAN	SLFN	____	FUTR	6	DASHDOT	YES	FUTURE SILT FENCE
L	PLAN	SPAD	____	FUTR	6	DASHED5	YES	FUTURE SPADE CUT EDGE
L	PLAN	WATR	____	FUTR	6	DASHEDX2	YES	FUTURE WATER EDGE
SECTION								
L	SECT	PROF	____	FUTR	6	DOT2	YES	FUTURE PROFILE GUIDELINES
SITE								
L	SITE	BLDG	____	FUTR	6	DASHED	YES	FUTURE BUILDING ABOVE OUTLINE

6.16.2.10 Landscape Relocated Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT RELOCATE LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
L	____	____	____	RELO	212	DASHED	YES	
ANNOTATION								
L	ANNO	CLIN	____	RELO	212	CENTER5	YES	RELOCATED CENTERLINE
L	ANNO	DIMS	GUID	RELO	212	DOT8	YES	RELOCATED DIMENSION GUIDE LINE
ELEVATION								
L	ELEV	HIDN	____	RELO	212	HIDDEN2	YES	RELOCATED ELEVATION OR SECTION OBJECTS OBSCURED BY FOREGROUND OBJECTS
PLAN								
L	PLAN	BLDG	ABVE	RELO	6	DASHED	YES	RELOCATED BUILDING ABOVE OUTLINE
L	PLAN	ROW_	____	RELO	212	PHANTOM5	YES	RELOCATED RIGHT OF WAY LINE
L	PLAN	CNPY	____	RELO	212	DASHED2	YES	RELOCATED CANOPY
L	PLAN	FENC	____	RELO	212	FENCE	YES	RELOCATED CHAIN LINK FENCE
L	PLAN	FENC	____	RELO	212	FENCE	YES	RELOCATED PICKET FENCE
L	PLAN	PROP	____	RELO	212	DASHDOT4	YES	RELOCATED PROPERTY LINE
L	PLAN	SLFN	____	RELO	212	DASHDOT	YES	RELOCATED SILT FENCE
L	PLAN	SPAD	____	RELO	212	DASHED5	YES	RELOCATED SPADE CUT EDGE
L	PLAN	WATR	____	RELO	212	DASHEDX2	YES	RELOCATED WATER EDGE

SECTION								
L	SECT	PROF	____	RELO	212	DOT2	YES	RELOCATED PROFILE GUIDELINES

6.16.2.11 Landscape Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT RELOCATE LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
L	____	____	____	RMVL	212	DASHED	YES	
ANNOTATION								
L	ANNO	CLIN	____	RMVL	212	CENTER5	YES	REMOVAL CENTERLINE
L	ANNO	DIMS	____	RMVL	212	DOT8	YES	REMOVAL DIMENSION GUIDE LINE
ELEVATION								
L	ELEV	HIDN	____	RMVL	212	HIDDEN2	YES	REMOVAL ELEVATION OR SECTION OBJECTS OBSCURED BY FOREGROUND OBJECTS
PLAN								
L	PLAN	ROW_	____	RMVL	212	PHANTOM5	YES	REMOVAL RIGHT OF WAY LINE
L	PLAN	CNPY	____	RMVL	212	DASHED2	YES	REMOVAL CANOPY
L	PLAN	BLDG	ABVE	RNVL	6	DASHED	YES	
L	PLAN	FENC	____	RMVL	212	FENCE	YES	REMOVAL CHAIN LINK FENCE
L	PLAN	FENC	____	RMVL	212	FENCE	YES	REMOVAL PICKET FENCE
L	PLAN	PROP	____	RMVL	212	DASHDOT4	YES	REMOVAL PROPERTY LINE
L	PLAN	SLFN	____	RMVL	6	DASHDOT	YES	REMOVAL SILT FENCE
L	PLAN	SPAD	____	RMVL	212	DASHED5	YES	REMOVAL SPADE CUT EDGE
SECTION								
L	SECT	PROF	____	RMVL	6	DOT2	YES	REMOVAL PROFILE GUIDELINES

6.16.2.12 Landscape Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT TEMPORARY LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
L	____	____	____	TEMP	212	CONTINUOUS	YES	
ANNOTATION								

L	ANNO	CLIN	____	TEMP	212	CENTER5	YES	TEMPORARY CENTERLINE
L	ANNO	DIMS	GUID	TEMP	212	DOT8	YES	TEMPORARY DIMENSION GUIDE LINE
ELEVATION								
L	ELEV	HIDN	____	TEMP	212	HIDDEN2	YES	TEMPORARY ELEVATION OR SECTION OBJECTS OBSCURED BY FOREGROUND OBJECTS
PLAN								
L	PLAN	ROW_	____	TEMP	212	PHANTOM5	YES	TEMPORARY RIGHT OF WAY LINE
L	PLAN	BLDG	ABVE	TEMP	212	DASHED	YES	TEMPORARY BUILDING ABOVE OUTLINE
L	PLAN	CNPY	____	TEMP	212	DASHED2	YES	TEMPORARY CANOPY
L	PLAN	FENC	CLF_	TEMP	212	FENCE	YES	TEMPORARY CHAIN LINK FENCE
L	PLAN	FENC	PIC_	TEMP	212	FENCE	YES	TEMPORARY PICKET FENCE
L	PLAN	PROP	____	TEMP	212	DASHDOT4	YES	TEMPORARY PROPERTY LINE
L	PLAN	SLFN	____	TEMP	212	DASHDOT	YES	TEMPORARY SILT FENCE
L	PLAN	SPAD	EDGE	TEMP	212	DASHED5	YES	TEMPORARY SPADE CUT EDGE
L	PLAN	WATR	EDGE	TEMP	6	DASHEDX2	YES	TEMPORARY WATER EDGE
SECTION								
L	SECT	PROF	GI__	TEMP	212	DOT2	YES	TEMPORARY PROFILE GUIDELINES
SITE								
L	SITE	BLDG	ABVE	TEMP	6	DASHED	YES	TEMPORARY BUILDING ABOVE OUTLINE

6.16.3 Linetypes

Name	Description	Example
CENTER	Centerline (1x)	
CENTER5	Centerline (0.20x)	
Continuous	Continuous	
DASHDOT	Dashdot (1x)	
DASHDOT4	Dashdot (0.25x)	
DASHED	Dashed (1x)	
DASHED2	Dashed (0.50x)	
DASHED4	Dashed (0.25x)	
DASHED5	Dashed (0.20x)	
DASHEDX2	Dashed (2x)	
DIVIDE2	Divide (0.50x)	
DIVIDE4	Divide (0.25x)	
DOT2	Dot (0.50x)	
DOT4	Dot (0.25x)	
DOT5	Dot (0.20x)	
DOT8	Dot (0.125x)	
FENCE	Fence (1x)	
HIDDEN	Hidden (1x)	
HIDDEN2	Hidden (0.50x)	

Name	Description	Example
HIDDEN4	Hidden (0.25x)	
HIDDEN5	Hidden (0.20x)	
HIDDEN-3_TO_3	Hidden (1.5x)	
HIDDENX2	Hidden (2x)	
PHANTOM4	Phantom (0.25x)	
PHANTOM5	Phantom (0.20x)	

6.16.4 Symbols

6.16.4.1 Drafting Conventions

Symbol	Block Name	Layer Name	Description
	22x34PSG.dwg	Varies	22 x 34 Layout Guide
	ABBREV_1.dwg	Varies	List of Abbreviations and Symbols
	ARROW.dwg	Varies	Arrow Head
	BREAK.dwg	Varies	Break Line
	CLINE.dwg	Varies	Center Line
	COLNO.dwg	Varies	Column Number for Contract Drawings
	COLNOE.dwg	Varies	Column Number for Existing Columns
	COLNOP.dwg	Varies	Column Number for Presentation Drawings
	DETNO2.dwg	Varies	Contract Drawing Label – No Scale Bar
	DETNO3.dwg	Varies	Presentation Drawing Label
	DETNO.dwg	Varies	Contract Drawing Label
	DETNODBL.dwg	Varies	Double Contract Drawing Label

	DETNO-SM.dwg	Varies	Contract Drawing Label – Condensed
	DIMGUIDE.dwg	Varies	Guideline Used with Dimensions for Contract Drawings
	DOORNO.dwg	Varies	Door Number
	EXIT-1WAYDIR.dwg	Varies	Directional Exit Sign
	EXIT-2WAYDIR.dwg	Varies	Multi-Directional Exit Sign
	EXIT.dwg	Varies	Exit Sign
	EXIT-DBL-1WAYDIR.dwg	Varies	Double-Sided Directional Exit Sign
	EXIT-DBL-2WAYDIR.dwg	Varies	Double-Sided Multi-Directional Exit Sign
	EXIT-DBL.dwg	Varies	Double-Sided Exit Sign
	INSUL.dwg	Varies	Insulation
	INT-ELEV.dwg	Varies	Interior Elevation
	LEVELINE.dwg	Varies	Level Line
	LOCALSEC.dwg	Varies	Presentation Section Mark
	OUTLET.dwg	Varies	Electric Outlet
	PARTTYPE.dwg	Varies	Partition/Wall Type
	RETURN.dwg	Varies	Mechanical Return Duct Symbol
	REV-NO.dwg	Varies	Revision Tag
	RM-NO.dwg	Varies	Room Number
	SPEAKER.dwg	Varies	Speaker
	SPNKHD.dwg	Varies	Sprinkler Head

	SUPPLY.dwg	Varies	Mechanical Supply Duct
	TARG1.dwg	Varies	Detail/Section/Elevation Label
	TARGELEV.dwg	Varies	Elevation Symbol
	TARGSEC.dwg	Varies	Complete Section Symbol
	TARGSECHEAD.dwg	Varies	Section Head Symbol
	TARGSECTAIL.dwg	Varies	Section Tail Symbol
	W-ARROW.dwg	Varies	Presentation Arrow
	WIN-NO.dwg	Varies	Window Type

6.16.4.2 2D People

Symbol	Block Name	Layer Name	Description
	MAN01.dwg	Varies	Man Standing
	MAN02.dwg	Varies	Man Walking
	MAN03.dwg	Varies	Man Sitting
	MAN04.dwg	Varies	Man Standing – Back View
	MAN05.dwg	Varies	Man Standing – Side View
	MAN06.dwg	Varies	Man Walking 2

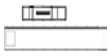
	MAN07.dwg	Varies	Man Standing 2
	MAN08.dwg	Varies	Man Outline
	PEOPLE01.dwg	Varies	Man and Woman Walking
	PEOPLE02.dwg	Varies	Man and Woman Walking 2
	PEOPLE03.dwg	Varies	Two Women Walking
	PEOPLE04.dwg	Varies	Man and Woman Standing
	PEOPLE05.dwg	Varies	Father and Child
	PEOPLE06.dwg	Varies	Mother and Daughter
	PEOPLE07 dwg	Varies	Two Men Standing
	PEOPLE08.dwg	Varies	Two Men Side View
	PEOPLE09.dwg	Varies	Outline – Three People

	PEOPLE10.dwg	Varies	People Waiting to Get on Bus
	WOMAN01.dwg	Varies	Woman Telling Time
	WOMAN02.dwg	Varies	Woman Walking
	WOMAN03.dwg	Varies	Woman Walking 2
	WOMAN04.dwg	Varies	Woman Standing
	WOMAN05.dwg	Varies	Woman Lying Down
	WOMAN06.dwg	Varies	Woman Outline 1
	WOMAN07.dwg	Varies	Woman Outline 2

6.16.4.3 2D Vehicles

Symbol	Block Name	Layer Name	Description
	02EBUS01.dwg	Varies	School Bus
	02EBUS02.dwg	Varies	City Bus
	02ECAR01.dwg	Varies	Hatchback Car

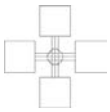
	02ECAR02.dwg	Varies	Sedan Car
	02ECAR04.dwg	Varies	Classic Car
	02ECAR06.dwg	Varies	Flatbed Pickup Truck
	02ECAR08.dwg	Varies	Porsche
	02ECAR09.dwg	Varies	Porsche with Spoiler
	02ECAR10.dwg	Varies	Lotus Espirit
	02ECAR11.dwg	Varies	Sports Car
	02ECAR12.dwg	Varies	Car Sedan
	02ECAR14.dwg	Varies	Old Car
	02ECAR19.dwg	Varies	Lamborghini
	02ECAR21.dwg	Varies	Eurovan
	bus1.dwg	Varies	Minibus
	bus03-cross-country-bus.dwg	Varies	Cross-Country Bus
	BUS-2.DWG	Varies	City Bus 3

	BUS.DWG	Varies	City Bus 2
	BUS-F.dwg	Varies	Bus – Front View
	BUS-pl.dwg	Varies	Bus and Taxi – Top View
	car03-mercedes-benz.dwg	Varies	Mercedes-Benz – Side View
	car05-station-wagon.dwg	Varies	Station Wagon
	car07-vette.dwg	Varies	Chevrolet Corvette
	car13-police-car.dwg	Varies	Police Cruiser
	car20-bmw3251.dwg	Varies	BMW 325i
	car22-sedan.dwg	Varies	Midsize Sedan
	CARB.DWG	Varies	Car – Front View
	CAREL.DWG	Varies	Sports Car – Side View
	CORSAIR2.DWG	Varies	Corsair Jet
	mercedes-front.dwg	Varies	Mercedes-Benz – Front View
	minibus.dwg	Varies	Minibus – Multiple Views

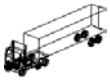
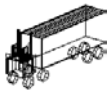
	MOTORCY.dwg	Varies	Motorcycle
	PTRUCK-2.DWG	Varies	Pickup Truck with Plexiglas Cover
	TAXI-F.dwg	Varies	Taxi
	TRUCKPL.dwg	Varies	Truck – Top View
	volkswagen.dwg	Varies	Volkswagen Beetle

6.16.4.4 3D Site Amenities

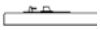
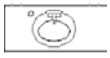
Symbol	Block Name	Layer Name	Description
	3DBENC1.dwg	Varies	3D Bench 1
	3DBENC2.dwg	Varies	3D Bench 2
	3DBENC3.dwg	Varies	3D Bench 3
	3DBENC4.dwg	Varies	3D Bench 4
	3DDECI1.dwg	Varies	3D Deciduous Tree 1
	3DDECI2.dwg	Varies	3D Deciduous Tree 2
	3DDECI3.dwg	Varies	3D Deciduous Tree 3
	3DDECI4.dwg	Varies	3D Deciduous Tree 4

	3DEVERG2.dwg	Varies	3D Evergreen Tree 1
	3DEVERG.dwg	Varies	3D Evergreen Tree 2
	lamppost.dwg	Varies	Lamppost
	SHRUB-1.dwg	Varies	Shrub 1
	SHRUB-2.dwg	Varies	Shrub 2
	SHRUB-3.dwg	Varies	Shrub 3
	STLIGH-1.dwg	Varies	Street Light
	TREE-1.dwg	Varies	Tree 1
	TREE-1A.dwg	Varies	Tree 1a
	TREE-3.dwg	Varies	Tree 3
	TREE-4.dwg	Varies	Tree 4
	TREE-5.dwg	Varies	Tree 5
	TREE-6.dwg	Varies	Tree 6
	TREESC-1.dwg	Varies	Tree 7

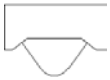
6.16.4.5 3D Vehicles

Symbol	Block Name	Layer Name	Description
	3DTRCK2.dwg	Varies	3D Truck
	3DTRCK3.dwg	Varies	3D Truck 2
	3DTRCK4.dwg	Varies	3D Truck 3
	3DTRCK5.dwg	Varies	3D Truck 4
	3DTRCK.dwg	Varies	3D Truck 5
	bus.dwg	Varies	Bus
	ferry-boat.dwg	Varies	Ferry Boat

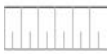
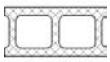
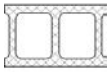
6.16.4.6 Fixtures

Symbol	Block Name	Layer Name	Description
	LAV4-frt.dwg	A-EQPM-FIXT	Four-Sink Lavatory – Front View
	LAV4-top.dwg	A-EQPM-FIXT	Four-Sink Lavatory – Top View
	LAV-frt.dwg	A-EQPM-FIXT	Lavatory – Front View
	LAV-sid.dwg	A-EQPM-FIXT	Lavatory – Side View
	LAV-TOP.dwg	A-EQPM-FIXT	Lavatory – Top View

	MIRR1.dwg	Varies	Horizontal Mirror
	MIRR2.dwg	Varies	Vertical Mirror
	NAP-FRT.dwg	Varies	Front Elevation of Napkin Dispenser (Female)
	NURS-FRT.dwg	Varies	Nursing Station – Front View
	NURS-TOP.dwg	Varies	Nursing Station – Top View
	TOIL1-frt.dwg	A-EQPM-FIXT	Toilet – Front View
	TOIL1-sid.dwg	A-EQPM-FIXT	Toilet – Side View
	TOIL1-top.dwg	A-EQPM-FIXT	Toilet – Top View
	TOIL2-frt.dwg	A-EQPM-FIXT	Toilet 2 – Front View
	TOIL2-sid.dwg	A-EQPM-FIXT	Toilet 2 – Side View
	TOIL2-top.dwg	A-EQPM-FIXT	Toilet 2 – Top View
	TOWEL.dwg	Varies	Towel Dispenser
	URI-frt.dwg	A-EQPM-FIXT	Urinal – Front View
	URI-sid.dwg	A-EQPM-FIXT	Urinal – Side View

	URI-top.dwg	A-EQPM-FIXT	Urinal – Top View

6.16.4.7 Material Conventions

Symbol	Block Name	Layer Name	Description
	CARPET.dwg	A-FLOR-PATT	Carpet
	CEILING.dwg	Varies	Ceiling
	CMU04.dwg	Varies	4-Inch Glazed Brick Masonry
	CMU06.dwg	Varies	6-Inch Glazed Brick Masonry
	CMU08.dwg	Varies	8-Inch Glazed Brick Masonry
	CMU10.dwg	Varies	10-Inch Glazed Brick Masonry
	COARSE.dwg	Varies	Coarse, Pourus Fill
	CONC01.dwg	Varies	Concrete
	CONC02.dwg	Varies	4-Inch Concrete
	DECKTOP2.dwg	Varies	Metal Deck and Concrete Topping Longitudinal Cross-Section
	DECKTOP.dwg	Varies	Metal Deck and Concrete Topping Cross-Section
	EARTH.dwg	Varies	Earth

	FINE.dwg	Varies	Fine, Porous Fill
	GLAZE-B.dwg	Varies	Glazed Brick Masonry
	GYPBD.dwg	Varies	Gypsum Board
	H-REIN.dwg	Varies	Horizontal Concrete Reinforcement
	INSUL.dwg	Varies	BATT Insulation
	MTLDECK.dwg	Varies	Metal Deck Cross Section
	PARTICLE.dwg	Varies	Particleboard
	PLASTER.dwg	Varies	Lath and Plaster
	PLYWOOD1.dwg	Varies	Millwork Plywood
	PLYWOOD2.dwg	Varies	Plywood
	PRECONC.dwg	Varies	Pre-Cast Concrete
	RESIL.dwg	Varies	Resilient Flooring
	RKTMP.dwg	Varies	???
	STONE.dwg	Varies	Cut Stone

	TERRAZZO.dwg	Varies	Terrazzo
	TILE.dwg	Varies	Ceramic Tile
	WDBLOCK.dwg	Varies	Wood Blocking
	WDSHIM.dwg	Varies	Wood Shim
	WOOD.dwg	Varies	Wood

6.16.5 Content Preferences

The following represents examples of the file structure and naming conventions used by the Architectural Unit.

Use this template to begin the file structure for your projects on the server. It does not include every instance of every drawing type, but it provides for the drawings types most commonly used in the Architectural/Landscape Unit. The file structure and or naming should not conflict with the current CAD Standards

6.16.6 Model Folder File Types

MODEL FILETYPE	
AN01 = COORDINATE GRID	LP06 = LANDSCAPE ENLARGED PLANS
AN02 = GENERAL	MIS01 = SITE
AN03 = SCHEDULES	MIS02 = COLUMN GRIDS
AN04 = REFERENCE	MIS03 = EXISTING CONDITIONS
DAT01 = MICROSOFT OFFICE DOCUMENTS	MIS04 = MECHANICAL (use for Schemes, Presentations & Stage I only)
DTL00 = ENLARGED PLANS	MIS05 = ELECTRICAL (use for Schemes, Presentations & Stage I)
DTL01 = EXTERIOR WALL DETAILS	MIS06 = OTHER AGENCY (NYCT, NYSDOT, LMDC, NJT, ETC)
DTL02 = INTERIOR WALLS DETAILS	MIS07 = CIVIL (use for Schemes, Presentations & Stage I only)
DTL03 = INTERIOR FINISH DETAILS	MIS08 = PLUMBING (use for Schemes, Presentations & Stage I only)
DTL04 = CEILING AND SOFFIT DETAILS	MIS09 = STRUCTURAL (use for Schemes, Presentations & Stage I only)
DTL05 = ROOFAND SKYLIGHT DETAILS	MIS10 = LANDSCAPE
DTL06 = COLUMN ENCLOSURE DETAILS	MIS11 = ARCHITECTURAL (for Landscape use)

DTL07 = STAIR and STAIR LIFT DETAILS	MIS12 = TRAFFIC (use for Schemes, Presentations & Stage I only)
DTL08 = ELEVATOR AND WHEELCHAIR LIFT DETAIL	MIS13 = GEOTECHNICAL (use for Schemes, Presentations & Stage I only)
DTL09 = ESCALATOR AND MOVING WALKWAY DETAILS	MIS14 = TEMPORARY FACILITIES
DTL10 = TOILET DETAILS	MIS15 = CONFLICTS
DTL11 = SECURITY AND PEDESTRIAN CONTROLS	MIS16 = CONSTRUCTION STAGING
DTL12 = SITE FURNITURE	MIS17 thru MIS99 = USER DEFINED
DTL13 = WAYFINDING	RCP01 = REFLECTED CEILING PLANS
DTL14 = MISCELLANEOUS DETAILS	RP01 = ROOF PLANS
DTL15 thru DTL19 = USER DEFINED	SEC01 = CROSS SECTIONS
DTL20 thru DTL29 = LANDSCAPE DETAILS	SEC02 = LONGITUDINAL SECTIONS
DTL30 thru DTL99 = USER DEFINED	SEC03 = LANDSCAPE SECTIONS
EL01 = EXTERIOR ELEVATIONS	
FP01 = FLOOR PLANS	CB = CONTRACT BORDER
FPW01 = FLOOR PLAN WALLS	PB01 = PRESENTATION BORDER 34x44 PORTRAIT
IEL01 = INTERIOR ELEVATONS	PB02 = PRESENTATION BORDER 34x44 LANDSCAPE
IMG01= GRAPHIC IMAGES	PB03 = PRESENTATION BORDER 34x67
IMG02 = 3D DRAWINGS	PB04 = PRESENTATION BORDER ANNOTATION BLOCKS
IMG03 = SCANNED IMAGES	
IMG04 = USER DEFINED	SK01 = SKETCH BORDER
LP00 = LANDSCAPE OVERALL PLANS	AN05 = BORDER KEY PLAN
LP01 = LANDSCAPE PLANTING PLANS	AN06 = BORDER KEY SECTION
LP02 = LANDSCAPE PAVING/HARDSCAPE PLANS	AN07 = BORDER LEGEND
LP03 = LANDSCAPE GRADING PLANS	
LP04 = LANDSCAPE WETLAND MITIGATION	SKA001 = STAGE IV SKETCHES
LP05 = LANDSCAPE REMOVALS PLANS	

6.16.6.1 ANNOTATION

AN01 = COORDINATE GRID

- Drawings include any drawings related to the project coordinate system
  - NAD83 or NAD27 – should be obtained from Central Survey
- Where **01** represents the Coordinate Grid category
- The drawing description should define the Coordinate system (*keep compact*) followed by [grid–] then scale) Note: use this system if various scales are required
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-AN01-NYLIFgrid-048.dwg	Attach to quarter scale drawings
A[PID]-AN01-NYLIFgrid-096.dwg	Attach to eighth scale drawings
A[PID]-AN01-NYLIFgrid-480.dwg	Attach to fortieth scale drawings

AN02 = GENERAL

- Drawings include any drawings related to the project General sheets
  - Includes overall and Architectural sheets
- Where **02** represents the General sheet category
- The drawing description is preceded by [–] (keep compact)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-AN02-RegionMap.dwg	Regional Map
A[PID]-AN02-GeneralNotes.dwg	Project General Notes
A[PID]-AN02-BuildCodeSpecNotes.dwg	Building Code and Specification Notes.

AN03 = SCHEDULES

- Drawings include any information and drawings related to schedules
- Where **03** represents the Schedule category
- The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-AN03-Index.dwg	Index of Drawings
A[PID]-AN03-AbbrevConvention.dwg	List of abbreviation, drawing conventions, Architectural General Notes (for a small project)
A[PID]-AN03-SchedDoor.dwg	Door Schedule

AN04 = REFERENCE

- Drawings include any information and drawings related to schedules
- Where **04** represents the Reference category
- The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-AN04- ReferenceSectCuts.dwg	Section cuts used to layout sections overall/details
A[PID]-AN04-	
A[PID]-AN04-	

6.16.6.2 MICROSOFT OFFICE LINKED FILES

DAT01 = EXCEL FILES

- Drawings include Microsoft Office Excel files.
- Where **01** represents the MS Linked Files category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
    - No spaces between words, use a capital letter to separate words
- May be used to replace schedules generated under AN03 category

Filename Example:

A[PID]-DAT01-DwgList.dwg	Index of Drawings
A[PID]-DAT01-Cost.dwg	Cost Estimate

6.16.6.3 DETAILS

DTL00 = ENLARGED PLANS

- Drawings include Enlarged Plans, Sections and Elevations
- Where **00** represents the Enlarged Plan category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL00- FireCommand-Detail.dwg	Includes enlarged plans, elevations and sections
A[PID]-DTL00- Bathroom-Detail.dwg	Includes enlarged plans, elevations and sections
A[PID]-DTL00- JanitorRoomDetail.dwg	Includes enlarged plans, elevations and sections

DTL01 = EXTERIOR WALL DETAILS

- Drawings include Plan and Section Detail Blow-ups
- Where **01** represents the Exterior Wall category
- Direction
  - WallExt01 = North WallExt03 = East
  - WallExt02 = South WallExt04 = West
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL01-WallsExt00-GeneralDetl01.dwg	include details common to all exterior walls sheet 1
A[PID]-DTL01-WallsExt01-North01.dwg	Sheet 1
A[PID]-DTL01-WallsExt01-North02.dwg	Sheet 2
A[PID]-DTL01-WallsExt02-South.dwg	
A[PID]-DTL01-WallsExt03-East.dwg	
A[PID]-DTL01-WallsExt04-West.dwg	

DTL02 = INTERIOR WALLS DETAILS

- Drawings include Plan and Section Detail Blow-ups
- Where **02** represents the Interior Wall category
- Direction
  - WallInt01 = North WallInt03 = East
  - WallInt02 = South WallInt04 = West
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL02-WallsInt00-GeneralDetl01.dwg	include details common to all interior walls sheet 1
A[PID]-DTL02-WallsInt01-North01.dwg	Sheet 1
A[PID]-DTL02-WallsInt01-North02.dwg	Sheet 2
A[PID]-DTL02-WallsInt02-South.dwg	
A[PID]-DTL02-WallsInt03-East.dwg	
A[PID]-DTL02-WallsInt04-West.dwg	

DTL03 = INTERIOR FINISH DETAILS

- Drawings include Plan and Section Detail Blow-ups including but not limited to
  - Floors, furniture, ticket counters/booths, etc.
- Where **03** represents the Interior Finishes category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL03-(User defined)01.dwg	Sheet 1
A[PID]-DTL03-(User defined)02.dwg	Sheet 2
A[PID]-DTL03-(User defined)01.dwg	Sheet 1

DTL04 = CEILING AND SOFFIT DETAILS

- Drawings include Plan and Section Detail Blow-ups
- Where **04** represents the Ceiling and Soffit category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL04-(User defined)01.dwg	Sheet 1
A[PID]-DTL04-(User defined)02.dwg	Sheet 2
A[PID]-DTL04-(User defined)01.dwg	Sheet 1

DTL05 = ROOFAND SKYLIGHT DETAILS

- Drawings include Plan and Section Detail Blow-ups of roofs

- Where **05** represents the Roof and Skylight category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL05-(*User defined*)01.dwg	Sheet 1
A[PID]-DTL05-(*User defined*)02.dwg	Sheet 2
A[PID]-DTL05-(*User defined*)01.dwg	Sheet 1

DTL06 = COLUMN ENCLOSURE DETAILS

- Drawings include Plan, Section and Elevation Detail Blow-ups
- Where **06** represents the Column Enclosure category
- User Defined description
  - Where [**ColsEncl01**] represents the number of sheets in ascending order
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
    - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL06-ColsEncl01-Mezz.dwg	
A[PID]-DTL06-ColsEncl02.dwg	

DTL07 = STAIR and STAIR LIFT DETAILS

- Drawings include Plans, Sections, Elevations and Detail blow-ups
- Where **07** represents the Stair and Stair Lift category
- User Defined description
  - Where [**Stair01**] represents the actual stair number
  - Where [**Lift01**] represents the actual stair lift number
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
    - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL07-Stair00-GeneralDetl01.dwg	include details common to all stairs sheet 1
A[PID]-DTL07-Stair00-GeneralDetl02.dwg	include details common to all stairs sheet 2
A[PID]-DTL07-Stair01.dwg	

A[PID]-DTL07-Stair10-EgressTransitHall.dwg	
A[PID]-DTL07-Lift00-GeneralDetl01.dwg	include details common to all stair lift sheet 1
A[PID]-DTL07-Lift00-GeneralDetl02.dwg	include details common to all stair lift sheet 2
A[PID]-DTL07-Lift01.dwg	
A[PID]-DTL07-Lift10-EgressTransitHall.dwg	

DTL08 = ELEVATOR AND WHEELCHAIR LIFTS DETAIL

- Drawings include Plans, Sections, Elevations and Detail Blow-ups
- Where **08** represents the Elevator and/or Wheelchair Lift category
- User Defined description

Filename Example:

A[PID]-DTL08-Evtr00-GeneralDetl01.dwg	include details common to all elevators sheet 1
A[PID]-DTL08-Evtr10-PassPATH.dwg	
A[PID]-DTL08-Evtr15-PassTransitHall.dwg	
A[PID]-DTL08-Evtr01-ServicePATH.dwg	
A[PID]-DTL08-Wchr00-GeneralDetl01.dwg	include details common to all wheelchair lifts sheet 1
A[PID]-DTL08-Wchr10-PassPATH.dwg	
A[PID]-DTL08-Wchr15-PassTransitHall.dwg	
A[PID]-DTL08-Wchr01-ServicePATH.dwg	

DTL09 = ESCALATOR AND MOVING WALKWAY DETAILS

- Drawings include Plans, Sections, Elevations and Detail blow-ups
- Where **09** represents the Escalator and/or Moving Walkway category
- User Defined description
  - Where [**Escl01**] represents the actual escalator number
  - Where [**Wway01**] represents the actual moving walkway number
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
    - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL09-Escl00-GeneralDetl01.dwg	include details common to all escalators sheet 1
A[PID]-DTL09-Escl00-GeneralDetl02.dwg	include details common to all escalators sheet 2
A[PID]-DTL09-Escl01-.dwg	
A[PID]-DTL09-Escl07.dwg	
A[PID]-DTL09-Wway00-GeneralDetl01.dwg	include details common to all moving walkways sheet 1
A[PID]-DTL09-Wway00-GeneralDetl02.dwg	include details common to all moving walkways sheet 2

A[PID]-DTL09-Wway01-.dwg	
A[PID]-DTL09-Wway07.dwg	

DTL10 = TOILET DETAILS

- Drawings include Plan, Elevation and Section Blow-ups for
  - Toilet room layouts, locker room layouts, shower stalls
- Where **10** represents the Toilet category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL10-(User defined)01.dwg	Sheet 1
A[PID]-DTL10-(User defined)02.dwg	Sheet 2
A[PID]-DTL10-(User defined)01.dwg	Sheet 1

DTL11 = SECURITY AND PEDESTRIAN CONTROLS

- Drawings include Plan, Elevation and Section Detail Blow-ups for
  - Control rooms, fire command stations/booths, baggage equipment, bomb security, etc.
- Where **11** represents the Security and Pedestrian Controls category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL11-(*User defined*)01.dwg	Sheet 1
A[PID]-DTL11-(*User defined*)02.dwg	Sheet 2
A[PID]-DTL11-(*User defined*)01.dwg	Sheet 1

DTL12 = SITE FURNITURE

- Drawings include Plan, Elevation and Section Detail Blow-ups for
  - Kiosks, canopies, windscreens, street shelters, etc.
- Where **12** represents the Site Furniture category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order

- No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL12-(*User defined*)01.dwg	Sheet 1
A[PID]-DTL12-(*User defined*)02.dwg	Sheet 2
A[PID]-DTL12-(*User defined*)01.dwg	Sheet 1

DTL13 = WAYFINDING

- Drawings include Plan, Elevation and Section Detail Blow-ups for
  - Signage, graphics
- Where **13** represents the Wayfinding category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL13-(*User defined*)01.dwg	Sheet 1
A[PID]-DTL13-(*User defined*)02.dwg	Sheet 2
A[PID]-DTL13-(*User defined*)01.dwg	Sheet 1

DTL14 = MISCELLANEOUS DETAILS

- Drawings include Plan, Elevation and Section Detail Blow-ups
- Where **14** represents the Miscellaneous category
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL14-(*User defined*)01.dwg	Sheet 1
A[PID]-DTL14-(*User defined*)02.dwg	Sheet 2
A[PID]-DTL14-(*User defined*)01.dwg	Sheet 1

DTL15 thru DTL19 = USER DEFINED

- Drawings include Plan, Elevation and Section Detail Blow-ups

- Where # represents the User Defined category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	

DTL20 thru DTL29 = LANDSCAPE DETAILS

- Drawings include Plan, Elevation and Section Detail Blow-ups
- Where # represents the User Defined Landscape Detail category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	

DTL30 thru DTL99 = USER DEFINED

- Drawings include Plan, Elevation and Section Detail Blow-ups
- Where # represents the User Defined category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-DTL##-[*UserDefined*]-[*UserDefined*].dwg	

6.16.6.4 EXTERIOR ELEVATIONS

EL01 = EXTERIOR ELEVATIONS

- Drawing include Main Exterior Elevations
- Where **01** represents the Exterior Wall direction and/or location
  - 01 = North 03 = East
  - 02 = South 04 = West
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-EL01-ViewNorth01.dwg	Exterior elevations looking North Sheet 1
A[PID]-EL01-ViewNorth02.dwg	Exterior elevations looking North Sheet 2
A[PID]-EL02-ViewSouth.dwg	Exterior elevations looking South. *Can have multiple sheets*
A[PID]-EL03-ViewEast.dwg	Exterior elevations looking East. *Can have multiple sheets*
A[PID]-EL04-ViewWest.dwg	Exterior elevations looking West. *Can have multiple sheets*

6.16.6.5 FLOOR PLANS

FP01 = FLOOR PLANS

- Drawings include any major floor plans including but not limited to:
  - Floor plans, finish plans, detail plans (*include additional detail to be shown at a larger scale*)
- Where **01** represents the floor level in ascending/descending from the first level chosen
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-FP01-StreetLevel-EL326.dwg	Street Level plan
A[PID]-FP01-StreetLevel-EL326Detl01.dwg	Street level plan detail area or sheet 1. can have multiple sheets [represents a detail plan]
A[PID]-FP01-StreetLevelExist-EL326.dwg	Existing Street level plan
A[PID]-FP02-[User Defined]-EL[user defined].dwg	Level 2
A[PID]-FP02-[User Defined]Exist-EL[user defined].dwg	Existing level 2

6.16.6.6 FLOOR PLANS WALLS

FPW01 = FLOOR PLANS WALLS

- Drawings include walls used in the floor plan, finish plan and reflected ceiling plan
  - Where **01** represents the floor level in ascending/descending from the first level chosen
- Number should be correspond to floor plan
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-FPW01-StreetLevel-EL326.dwg	Street Level plan walls
A[PID]-FPW02-[*User Defined*]-EL[*user defined*].dwg	Level 2 plan walls

6.16.6.7 INTERIOR ELEVATIONS

IEL01 = INTERIOR ELEVATIONS

- Drawing include Interior Elevations
- Where **01** represents the Interior Wall direction and/or location
  - 01 = North 03 = East
  - 02 = South 04 = West
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-IEL01-ViewNorth01.dwg	Interior elevations looking North Sheet 1
A[PID]-IEL01-ViewNorth02.dwg	Interior elevations looking North Sheet 2
A[PID]-IEL02-ViewSouth.dwg	Interior elevations looking South. *Can have multiple sheets*
A[PID]-IEL03-ViewEast.dwg	Interior elevations looking East. *Can have multiple sheets*
A[PID]-IEL04-ViewWest.dwg	Interior elevations looking West. *Can have multiple sheets*

6.16.6.8 GRAPHIC, SCANNED AND 3D IMAGES

IMG01 = GRAPHIC IMAGES

- Drawings include Jpegs, Bmps, Tiffs, etc.
- Where 01 represents the Graphic Images category
- User Defined description
  - A drawing description is optional, preceded by [–] (keep compact)
    - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-IMG01-Sign01.dwg	Signage panel image 1
A[PID]-IMG01-Sign02.dwg	Signage panel image 2

IMG02 = 3D DRAWINGS

- Drawings include any 3D drawings created in CAD
- Where **02** represents the 3D Images category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-IMG02-3D-PlanEL250.dwg	3D plan for EL. 250
A[PID]-IMG02-3D-[*User Defined*].dwg	

IMG03 = SCANNED IMAGES

- Drawings include any Scanned images
- Where **03** represents the Scanned Images category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-IMG03-PlanEL250.dwg	Scanned image of Removals Plan at elevation 250 (*add a description to indicate what the image is used for. ex:Rmvls)*
A[PID]-IMG03-[*User Defined*].dwg	

IMG04 = USER DEFINED

- Drawings include any 3D representations not covered in IMG01 thru IMG03
- Where **04** represents the User Defined category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-IMG04-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-IMG04-[*UserDefined*]-[*UserDefined*].dwg	

6.16.6.9 LANDSCAPE

LP00 = OVERALL LANDSCAPE PLANS

- Drawings include any overall Landscape plans
- Where 00 represents the Overall Landscape Plan category
  - The drawing description is preceded by [–] (keep compact)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-LP00-[*User Defined*]-[*User Defined*].dwg	
A[PID]-LP00-[*User Defined*]-[*User Defined*].dwg	

LP01 = PLANTING PLANS

- Drawings include any planting plans
- Where **01** represents the Planting Plan category
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-LP01-Plant-[*User Defined*].dwg	
A[PID]-LP01-Plant-[*User Defined*].dwg	

LP02 = PAVING/HARDSCAPE PLANS

- Drawings include any Paving and/or Hardscape Landscape plans
- Where **02** represents the Paving/Hardscape Plan category
- The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-LP02-Pave-[*User Defined*].dwg	
A[PID]-LP02-Hard-[*User Defined*].dwg	

LP03 = GRADING PLANS

- Drawings include any Grading Landscape plans
- Where **03** represents the Grading Plan category
- The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-LP03-Grade-[*User Defined*].dwg	
A[PID]-LP03-Grade-[*User Defined*].dwg	

LP04 = WETLAND MITIGATION

- Drawings include any Wetland Mitigation plans
- Where **04** represents the Wetland Mitigation category
- The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-LP02-WetMit-[*User Defined*].dwg	
A[PID]-LP02-WetMit-[*User Defined*].dwg	

LP05 = REMOVALS PLANS

- Drawings include any Landscape Removals plans
- Where **05** represents the Removals category
- The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-LP02-Rmvl-[*User Defined*].dwg	
A[PID]-LP02-Rmvl-[*User Defined*].dwg	

LP06 = ENLARGED PLANS

- Drawings include any Landscape Enlarged plans
- Where **06** represents the Enlarged Plans category
- The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename Example:

A[PID]-LP02-[*User Defined*]-[*User Defined*].dwg	
A[PID]-LP02-[*User Defined*]-[*User Defined*].dwg	

6.16.6.10 MISCELLANEOUS

MIS01 = SITE

- Drawing include Plans used for background information
- Where **01** represents the Site category
- User Defined description
- A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS01-Site-Bldg.dwg	Background buildings
A[PID]-MIS01-Site-Bldg(*user defined*).dwg	Particular background buildings
A[PID]-MIS01-Site-BldgExist.dwg	Existing background buildings
A[PID]-MIS01-Site-CurbExist.dwg	Existing curb

MIS02 = COLUMN GRIDS

- Drawing include plan, section and elevation column grids
- Where **02** represents the Column Grid category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - Description can be a word description or elevation number
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS02-ColGrid-Plan.dwg	Plan column grid
A[PID]-MIS02-ColGrid-PlanMezz.dwg	Mezzanine level column grid
A[PID]-MIS02-ColGrid-PlanEL276.dwg	Column grid at elevation 276.00'
A[PID]-MIS02-ColGrid-SectCross.dwg	Cross section column grid
A[PID]-MIS02-ColGrid-SectLong.dwg	Longitudinal section column grid
A[PID]-MIS02-ColGrid-Elev.dwg	Elevation column grid

MIS03 = EXISTING CONDITIONS

- Drawing include other Existing Conditions used for background information
- When inserting existing conditions into a drawing, place elements on a layer marked EXST
  - Refer to list on *K:\Application\EAD\CAD_Standards\2014\Architectural\Layers*
- Where **03** represents the Existing Conditions category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS03-ArrivExist.dwg	Existing arrivals hall plan
A[PID]-MIS03-[*User Defined*].dwg	
A[PID]-MIS03-WTC-EL250Exist.dwg	WTC existing conditions at El. 250.00'

MIS04 = MECHANICAL

- Use for Pre-Design, Stage 1, Schemes and Presentations. For Stage 2,3 & 4 Xref information from the **Mechanical *PUBLISH*** folder
- Drawing include plans and sections of Mechanical layouts
- Where **04** represents the Mechanical layout category
- User Defined description

- A drawing description is *optional*, preceded by [-**Mech**] (*keep compact*)
- No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS04-MechPlan-EL250.dwg	El 250.00' preliminary Mechanical layout
A[PID]-MIS04-Mech[*User Defined*].dwg	

MIS05 = ELECTRICAL

- Use for Pre-Design, Stage 1, Schemes and Presentations. For Stage 2,3 & 4 Xref information from the **Electrical *PUBLISH*** folder
- Drawing include plans and sections of Electrical layouts
- Where **05** represents the Lighting layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–***Elect***] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS05-ElectPlan-EL250.dwg	El 250.00' preliminary lighting layout
A[PID]-MIS05-Elect[*User Defined*].dwg	

MIS06 = OTHER AGENCY

- Drawing include other Agency Plans used for background information
- Where **06** represents the Other Agency category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS06-NYCT-RWConc.dwg	RW Concourse from New York City Transit
A[PID]-MIS06-WFC-Bldg.dwg	World Financial Center Buildings
A[PID]-MIS06-WTC-PkngEL250.dwg	World Trade Center parking layout at elevation 250.00'

MIS07 = CIVIL

- Use for Pre-Design, Stage 1, Schemes and Presentations. For Stage 2,3 & 4 Xref information from the **Civil *PUBLISH*** folder
- Drawing include plans and sections of Civil layouts

- Where **07** represents the Civil layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–Civil] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS07-CivilPlan-EL250.dwg	El 250.00' preliminary Civil layout
A[PID]-MIS07-Civil[*User Defined*].dwg	

MIS08 = PLUMBING

- Use for Pre-Design, Stage 1, Schemes and Presentations. For Stage 2,3 & 4 Xref information from the **Mechanical *PUBLISH*** folder
- Drawing include plans and sections of Plumbing layouts
- Where **08** represents the Plumbing layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–**Plumb**] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS08-PlumbPlan-EL250.dwg	El 250.00' preliminary Plumbing layout
A[PID]-MIS08-Plumb[*User Defined*].dwg	

MIS09 = STRUCTURAL

- Use for Pre-Design, Stage 1, Schemes and Presentations. For Stage 2,3 & 4 Xref information from the **Structural *PUBLISH*** folder
- Drawing include plans and sections of Structural layouts
- Where **09** represents the Structural layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–**Struct**] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS09-StructPlan-EL250.dwg	El 250.00' preliminary Structural layout
A[PID]-MIS09-Struct[*User Defined*].dwg	

MIS10 = LANDSCAPE (for Landscape use only)

- Drawing include Miscellaneous layouts for Landscape
- Where **10** represents the Miscellaneous Landscape layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS10-[*User Defined*]-[*User Defined*].dwg	
A[PID]-MIS10-[*User Defined*]-[*User Defined*].dwg	

MIS11 = ARCHITECTURAL (for Landscape use only)

- Use for Pre-Design and Stage 1. For Stage 2,3,&4 Xref information from the **Architectural *PUBLISH*** folder
- Drawing include plans and sections of Architectural layouts
- Where **11** represents the Architectural layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–**Arch**] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS11-ArchPlan-EL250.dwg	El 250.00' preliminary Architectural layout
A[PID]-MIS11-Arch[*User Defined*].dwg	

MIS12 = TRAFFIC

- Use for Pre-Design, Stage 1, Schemes and Presentations. For Stage 2,3 & 4 Xref information from the **Traffic *PUBLISH*** folder
- Drawing include plans and sections of Traffic layouts
- Where **12** represents the Traffic layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–**Traf**] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS12-TrafPlan-EL250.dwg	El 250.00' preliminary Traffic layout
A[PID]-MIS12-Traf[*User Defined*].dwg	

MIS13 = GEOTECHNICAL

- Use for Pre-Design, Stage 1, Schemes and Presentations. For Stage 2,3 & 4 Xref information from the **Geotechnical *PUBLISH*** folder
- Drawing include plans and sections of Geotechnical layouts
- Where **13** represents the Geotechnical layout category
- User Defined description
  - A drawing description is *optional*, preceded by [–**Geo**] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS13-GeoPlan-EL250.dwg	El 250.00' preliminary Geotechnical layout
A[PID]-MIS13-Geo[*User Defined*].dwg	

MIS14 = TEMPORARY FACILITIES

- Drawing include plan, section and elevation
- Where **14** represents the Temporary Facilities category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS14-PlatformEL250.dwg	Temporary Platform at EL 250.00'
A[PID]-MIS14-Stair01.dwg	Temporary Stair No. 1
A[PID]-MIS14-[*UserDefined*].dwg	

MIS15 = CONFLICTS

- Drawing include plan, section and elevation
- Where **15** represents the Conflicts category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS15-Conflict-EL250.dwg	El 250.00' conflicts
A[PID]-MIS15-Conflict-CrossSect.dwg	Cross sectional conflicts
A[PID]-MIS15-Conflict-ElevWest.dwg	West elevation conflicts

MIS016 = CONSTRUCTION STAGING

- Drawing include plan, section and elevation
- Where **16** represents the Construction Staging category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS16-PlanEL250-PH01.dwg	El 250.00' Construction Staging Plan Phase 1
A[PID]-MIS16-PlanEL250-PH02.dwg	El 250.00' Construction Staging Plan Phase 2
A[PID]-MIS16-SectionCross01-PH01.dwg	Construction Staging Cross Section 1 Phase 1
A[PID]-MIS16-SectionCross01-PH02.dwg	Construction Staging Cross Section 1 Phase 2
A[PID]-MIS16-[*UserDefined*]-PH[*Counter*].dwg	

MIS17 thru MIS99 = USER DEFINED

- Drawing include plan, section and elevation
- Where # represents the User Defined category
- User Defined description
  - A drawing description is *optional*, preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-MIS##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-MIS##-[*UserDefined*]-[*UserDefined*].dwg	
A[PID]-MIS##-[*UserDefined*]-[*UserDefined*].dwg	

6.16.6.11 REFLECTED CEILING PLANS

RCP01 = REFLECTED CEILING PLANS

- Drawings include any major reflected ceiling plans including but not limited to:
  - Detail plans (*include additional detail to be shown at a larger scale*)
- Where **01** represents the floor level in ascending/descending from the first level chosen
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-RCP01-StreetLevel-EL326.dwg	Street Level RCP
A[PID]-RCP01-StreetLevel-EL326Detl01.dwg	Street level RCP detail area or sheet 1. *can have multiple sheets [represents a detail plan]*
A[PID]-RCP01-StreetLevelExist-EL326.dwg	Existing Street level RCP
A[PID]-RCP02-[*User Defined*]-EL[*user defined*].dwg	Level 2 RCP
A[PID]-RCP02-[*User Defined*]Exist-EL[*user defined*].dwg	Existing level 2 RCP

6.16.6.12 ROOF PLANS

RP01 = ROOF PLANS

- Drawings include any major Roof plans including but not limited to:
  - Detail plans (*include additional detail to be shown at a larger scale*)
- Where **01** represents the floor level in ascending/descending from the first level chosen or a counter if each level DOES NOT have a roof plan
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-RP01-StreetLevel-EL326.dwg	Street Level roof plan
A[PID]-RP01-StreetLevel-EL326Detl01.dwg	Street level roof plan detail area or sheet 1 *[represents a detail plan]*
A[PID]-RP01-StreetLevelExist-EL326.dwg	Existing Street level roof plan
A[PID]-RP02-[*User Defined*]-EL[*user defined*].dwg	Level 2 roof plan
A[PID]-RP02-[*User Defined*]Exist-EL[*user defined*].dwg	Existing level 2 roof plan

6.16.6.13 SECTIONS

SEC01 = CROSS SECTIONS

- Drawing include Overall building sections
- When using a section type **01** represents Cross sections
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-SEC01-TermB-Cross-Col01.dwg	Cross section at Terminal B column line 1
A[PID]-SEC01-TermB-Cross-Col25.dwg	Cross section at Terminal B column line 25

Example of a counter:

A[PID]-SEC01-Cross-North01.dwg	Section looking North sheet 1
A[PID]-SEC01-Cross-North02.dwg	Section looking North sheet 2
A[PID]-SEC01-Cross-[*User Defined*].dwg	

SEC02 = LONGITUDINAL SECTIONS

- Drawing include Overall building sections
- When using a section type **02** represents Longitudinal sections
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-SEC02-TermB-Long-A.dwg	Longitudinal Section A at Terminal B
A[PID]-SEC02-TermB-Long-Airside.dwg	Longitudinal section at Terminal B airside

Example of a counter

A[PID]-SEC02-Long-East01.dwg	Section looking East sheet 1
A[PID]-SEC02-Long-East02.dwg	Section looking East sheet 2
A[PID]-SEC02-Long-[*User Defined*].dwg	

SEC03 = LANDSCAPE SECTIONS

- Drawing include Overall building sections
- When using a section type **03** represents Landscape sections
- A drawing description is *optional* preceded by [–] (*keep compact*)
  - Where [**01**] represents the number of sheets in ascending order
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-SEC03-[*User Defined*]-[01].dwg	
A[PID]-SEC03-[*User Defined*]-[02].dwg	

6.16.7 Plotsheets Folder File Types

The filenames in the Plotsheets folder should be consistent with the cad standard naming convention.

Use when Drawing Series DOES NOT exceed 9

A[*PID*]-[*Drawing Type*][*Series #*][*Drawing #*].dwg A12345678-A101
A[*PID*]-[*Drawing Type*][*Series #*][*Drawing #*].dwg A12345678-LS101 (Landscape Only)

Used when Drawing Series exceeds 9

A[*PID*]-[*Drawing Type*][*Series #*][*Drawing #*].dwg A12345678-A0101
A[*PID*]-[*Drawing Type*][*Series #*][*Drawing #*].dwg A12345678-LS0101 (Landscape Only)

When a series system is being used, it would be helpful to create a dummy file to use as a series separator. The following are examples of series separator. The actual series name will vary with the project

The C&P and SSI sheet should be numbered sequentially after the unmarked sheets

Filename example:

TYPICAL DRAWING SET [drawing series 9 or less]
File separators should not be copied to the *SUBMITTALS* folder for CAD reviews

A[PID]-G000 ---- PS PROJECT-GENERAL.dwg	File separator. No data in this file; should be read only
A[PID]-G001.dwg	Title Sheet
A[PID]-G002.dwg	Title Sheet [*CP & SSI Sheets*]
A[PID]-G101.dwg	Index of Drawings
A[PID]-G102.dwg	Index of Drawings [*CP & SSI Sheets*]
A[PID]-G201.dwg	Regional Map and/or Project Map

A[PID]-A100 ---- PS GENERAL.dwg	File separator. No data in this file; should be read only *Includes specification, general and code notes, etc.*
A[PID]-A101.dwg	
A[PID]-A200 ---- PS PLANS.dwg	File separator. No data in this file; should be read only
A[PID]-A201.dwg	
A[PID]-A300 ---- PS SECTIONS.dwg	File separator. No data in this file; should be read only
A[PID]-A301.dwg	
A[PID]-A400 ---- PS ELEVATIONS.dwg	File separator. No data in this file; should be read only
A[PID]-A401.dwg	
A[PID]-A500 ---- PS EXTERIOR DETAILS.dwg	File separator. No data in this file; should be read only *Includes wall sections, wall details, roof details*
A[PID]-A501.dwg	
A[PID]-A600 ---- PS DETAILS.dwg	File separator. No data in this file; should be read only
A[PID]-A601.dwg	
A[PID]-A700 ---- PS SCHEDULES.dwg	File separator. No data in this file; should be read only *Includes Doors, Room, Finish*
A[PID]-A701.dwg	
A[PID]-A800 ---- PS GRAPHICS.dwg	File separator. No data in this file; should be read only
A[PID]-A801.dwg	
A[PID]-A900 ---- PS [User Defined].dwg	File separator. No data in this file; should be read only
A[PID]-A901.dwg	
A[PID]-LS001 ---- PS [User Defined].dwg	File separator. No data in this file; should be read only
A[PID]-LS001.dwg	
A[PID]-LS002.dwg	
A[PID]-LS003.dwg	

<u>TYPICAL DRAWING SET</u> [*drawing series exceeding 9]*

File separators should not be copied to the *SUBMITTALS* folder for CAD reviews

A[PID]-G0000 ---- PS PROJECT-GENERAL.dwg	File separator. No data in this file; should be read only
A[PID]-G0001.dwg	Title Sheet
A[PID]-G0002.dwg	Title Sheet [*CP & SSI Sheets*]
A[PID]-G0101.dwg	Index of Drawings
A[PID]-G0102.dwg	Index of Drawings [*CP & SSI Sheets*]
A[PID]-G0201.dwg	Regional Map and/or Project Map
A[PID]-A0100 ---- PS GENERAL.dwg	File separator. No data in this file; should be read only *Includes specification, general and code notes, etc.*
A[PID]-A0101.dwg	
A[PID]-A0200 ---- PS PLANS.dwg	File separator. No data in this file; should be read only
A[PID]-A0201.dwg	
A[PID]-A0300 ---- PS SECTIONS.dwg	File separator. No data in this file; should be read only
A[PID]-A0301.dwg	
A[PID]-A0400 ---- PS ELEVATIONS.dwg	File separator. No data in this file; should be read only
A[PID]-A0401.dwg	

A[PID]-A0500 ---- PS EXTERIOR DETAILS.dwg	File separator. No data in this file; should be read only *Includes wall sections, wall details, roof details*
A[PID]-A0501.dwg	
A[PID]-A0600 ---- PS DETAILS.dwg	File separator. No data in this file; should be read only
A[PID]-A0601.dwg	
A[PID]-A0700 ---- PS SCHEDULES.dwg	File separator. No data in this file; should be read only *Includes Doors, Room, Finish*
A[PID]-A0701.dwg	
A[PID]-A0800 ---- PS GRAPHICS.dwg	File separator. No data in this file; should be read only
A[PID]-A0801.dwg	
A[PID]-A0900 ---- PS [User Defined].dwg	File separator. No data in this file; should be read only
A[PID]-A0901.dwg	
A[PID]-A1000 ---- PS [User Defined].dwg	File separator. No data in this file; should be read only
A[PID]-A1001.dwg	
A[PID]-A1100 ---- PS [User Defined].dwg	File separator. No data in this file; should be read only
A[PID]-A1101.dwg	
A[PID]-LS0000 ---- PS [User Defined].dwg	File separator. No data in this file; should be read only
A[PID]-LS0001.dwg	
A[PID]-LS0002.dwg	
A[PID]-LS0003.dwg	

CONSTRUCTION STAGING [*drawing series 9 or less*]
File separators should not be copied to the *SUBMITTALS* folder for CAD reviews

A[PID]-CS100 ---- PS STAGING GENERAL.dwg	File separator. No data in this file; should be read only
A[PID]-CS101.dwg	
A[PID]-CS200 ---- PS STAGING PLANS.dwg	File separator. No data in this file; should be read only
A[PID]-CS201.dwg	
A[PID]-CS300 ---- PS STAGING SECTIONS.dwg	File separator. No data in this file; should be read only
A[PID]-CS301.dwg	

CONSTRUCTION STAGING [*drawing series exceeding 9*]
File separators should not be copied to the *SUBMITTALS* folder for CAD reviews

A[PID]-CS0100 ---- PS STAGING GENERAL.dwg	File separator. No data in this file; should be read only
A[PID]-CS0101.dwg	
A[PID]-CS0200 ---- PS STAGING PLANS.dwg	File separator. No data in this file; should be read only
A[PID]-CS0201.dwg	
A[PID]-CS0300 ---- PS STAGING SECTIONS.dwg	File separator. No data in this file; should be read only
A[PID]-CS0301.dwg	

TEMPORARY FACILITIES [*drawing series 9 or less*]
File separators should not be copied to the *SUBMITTALS* folder for CAD reviews

A[PID]-AT100 ---- PS TEMP FACILITIES GENERAL.dwg	File separator. No data in this file; should be read only
A[PID]-AT101.dwg	
A[PID]-AT200 ---- PS TEMP FACILITIES PLANS.dwg	File separator. No data in this file; should be read only
A[PID]-AT201.dwg	
A[PID]-AT300 ---- PS TEMP FACILITIES SECTIONS.dwg	File separator. No data in this file; should be read only
A[PID]-AT301.dwg	
A[PID]-AT400 ---- PS TEMP FACILITIES DETAILS.dwg	File separator. No data in this file; should be read only
A[PID]-AT401.dwg	

TEMPORARY FACILITIES [*drawing series exceeding 9*]
File separators should not be copied to the *SUBMITTALS* folder for CAD reviews

A[PID]-AT0100 ---- PS TEMP FACILITIES GENERAL.dwg	File separator. No data in this file; should be read only
A[PID]-AT0101.dwg	
A[PID]-AT0200 ---- PS TEMP FACILITIES PLANS.dwg	File separator. No data in this file; should be read only
A[PID]-AT0201.dwg	
A[PID]-AT0300 ---- PS TEMP FACILITIES SECTIONS.dwg	File separator. No data in this file; should be read only
A[PID]-AT0301.dwg	
A[PID]-AT0400 ---- PS TEMP FACILITIES DETAILS.dwg	File separator. No data in this file; should be read only
A[PID]-AT0401.dwg	

6.16.8 Publish Folder File Types

6.16.8.1 BORDER SHEETS

CB = CONTRACT BORDER SHEET

- Drawings include any drawings related to the project Contract Border
  - Original should be obtained from *K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract Borders*
  - One Border file should be used by both PANYNJ EAD and their respective Consultants
  - Consultant information should be inserted, as a block, using the pre-defined stamps located on the server *K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract Borders\Stamps*
  - If your project has been designated CP, insert the CP stamp as a block, as required from (see EAD CAD Standards manual for further usage) *K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders\Stamps*

Filename example:

[PID]-CB.dwg	Standard contract border – 22x34
[PID]-CB.dwg	Over Size contract border – 34x56
[PID]-CB-Info.dwg	Standard contract border side bar information block
[PID]-CB-Info_OS.dwg	Over Size contract border side bar information block

AN05 = BORDER SHEET KEY PLAN

- Drawings include any drawings related to the project Key plan used for plans
- Where **05** represents the Border Key Plan category
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-AN05-KeyPlan-EL250.dwg	Key plan for EL. 250
A[PID]-AN05-KeyPlan-EL264.dwg	Key plan for EL. 264
A[PID]-AN05-KeyPlan-Arriv.dwg	Key plan for Arrivals Level

AN06 = BORDER SHEET KEY SECTION

- Drawings include any drawings related to the project Key plan used for sections
- Where **06** represents the Border Key Section category
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-AN06-KeySect-EL250.dwg	Key plan for EL. 250
A[PID]-AN06-KeySect-EL264.dwg	Key plan for EL. 264
A[PID]-AN06-KeySect-Arriv.dwg	Key plan for Arrivals Level

AN07 = BORDER SHEET LEGEND

- Drawings include any drawings related to the project Legend used for
  - Construction Staging, Light fixture types, etc.
- Where **07** represents the Border Legend category
  - The drawing description is preceded by [–] (*keep compact*)
  - No spaces between words, use a capital letter to separate words

Filename example:

A[PID]-AN07-LegendStaging.dwg	Legend used for Construction Staging Plans
A[PID]-AN07-LegendStagingSect.dwg	Legend used for Construction Staging Sections
A[PID]-AN07-LegendLights.dwg	Legend used for RCP Plans

PB01 = PRESENTATION BORDER SHEET PORTRAIT

- Drawings include any drawings related to the project Portrait Presentation Border
  - Original should be obtained from *K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders\Stamps*
- Where **01** represents the Portrait Presentation Border category
- If Border will be used by other disciplines remove the '*Discipline Code*' in front of the PID
- Anticipated use
  - Stage 1 or Pre-Stage 1

Filename example:

A[PID]-PB01-34x44P.dwg	Presentation border – 34x44 Portrait
A[PID]-PB01-34x44PInfo.dwg	Presentation border – 34x44 Portrait information block

PB02 = PRESENTATION BORDER SHEET LANDSCAPE

- Drawings include any drawings related to the project Landscape Presentation Border
  - Original should be obtained from *K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders\Stamps*
  - Where **02** represents the Landscape Presentation Border category
- If Border will be used by other disciplines remove the '*Discipline Code*' in front of the PID
- Anticipated use
  - Stage 1 or Pre-Stage 1

Filename example:

A[PID]-PB02-34x44L.dwg	Presentation border – 34x44 Landscape
A[PID]-PB02-34x44LInfo.dwg	Presentation border – 34x44 Landscape information block

PB03 = PRESENTATION BORDER SHEET OVERSIZE

- Drawings include any drawings related to the project Oversized Presentation Border
  - Original should be obtained from

K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders\Stamps

- Where **03** represents the Oversize Presentation Border category

- If Border will be used by other disciplines remove the '*Discipline Code*' in front of the PID
- Anticipated use
  - Stage 1 or Pre-Stage 1

Filename example:

A[PID]-PB03-34x67.dwg	Presentation border – 34x67
A[PID]-PB03-34x67Info.dwg	Presentation border – 34x67 Landscape information block
A[PID]-PB03-34X??.dwg	Presentation border – 34x varied size (*will not be available on the L:/drive – custom size*)
A[PID]-PB03-34X??Info.dwg	Presentation border – 34x varied size information block (*will not be available on the L:/drive – custom size*)

PB04 = PRESENTATION BORDER ANNOTATION

- Drawings include any annotation drawings related to the project Presentation Border
  - Original should be obtained from location designated by Task Leader
- Drawing should be inserted into border file as a block using a designated point, indicated in drawing, **not** 0,0
- Where **04** represents the Presentation Border Annotation category
- If Border will be used by other disciplines remove the '*Discipline Code*' in front of the PID
- Anticipated use
  - Stage 1 or Pre-Stage 1

Filename example:

A[PID]-PB04-Date.dwg	Presentation border date file
A[PID]-PB04-Disclaimer.dwg	Presentation disclaimer file (*uses' WIPEOUT' command) if needed*
A[PID]-PB04-Legend.dwg	Presentation program legend (*uses' WIPEOUT' command*)

SK01 = SKETCH BORDER SHEET

- Drawings include any drawings related to the project Sketch Border
  - Original should be obtained from

    K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders\Stamps
- Where **01** represents the Sketch Border category
- Anticipated use
  - During Stage 2 or 3 when design sketches are required. These borders have the same

viewport as the Standard and Oversize Contract Borders. This will allow an easy transition into the contract format once the sketch has been approved.

- These Plotsheets should not be copied to the *SUBMITTALS* folder for CAD reviews

Filename example:

A[PID]-SKA01.dwg	Standard sketch border – 22x34
A[PID]-SKA01.dwg	Over Size sketch border – 34x56
A[PID]-SKA01-Info.dwg	Standard sketch border side bar information block
A[PID]-SKA01-Info_OS.dwg	Over Size sketch border side bar information block

6.16.9 Stage IV File Types

6.16.9.1 Sketches

SK = STAGE IV DRAWING

- Drawings include any drawings related to the project Stage IV
  - Original should be obtained from *K:\Application\EAD\CAD_Standards\2014\All_Disciplines\Contract_Borders*
  - Server location of sketches to be *M:\FACILITY\PID\Architectural\SCHEMES\Stage 4\Sketches*
  - Where [**001**] represents the number of sheets in ascending order
  - Where [**A**] represents multiple sheets in sketch drawing
  - No spaces between words, use a capital letter to separate words
- Anticipated use:
  - Responses to RFIs
  - Clarification for shop drawing submittals
  - Discipline coordination
- Drawing should be self-contained, drawing and border in one file.
  - Drawing information should be E-Transmitted, as a bound file, from the *MODEL* or *PLOTSHEETS* folder to the designated *sketch* or *RFI Response* folder.
  - Border should be inserted, as a block, into Paper Space of the sketch
- Create a DWF to be placed in the MANAGEMENTDOCS Folder for submission to Document Control along with or as your RFI response
  - *M:\FACILITY\PID\Architectural\MANAGEMENTDOCS\Stage-4\SubmittalsPDFsRFIsRFQs\Sketches*
- These Plotsheets should not be copied to the *SUBMITTALS* folder for CAD reviews

Filenames from server:

Border - ANSI A - Horizontal.dwg	8 ½" x 11" Landscape Sketch Border
Border - ANSI A - Vertical.dwg	8 ½" x 11" Portrait Sketch Border
Border - ANSI B - Horizontal.dwg	11" x 17" Landscape Sketch Border
Border - ANSI B - Vertical.dwg	11" x 17" Portrait Sketch Border
Border – 22 x 34.dwg	22" x 34" Sketch Border
Border – 34 x 56.dwg	34" x 56" Sketch Border

Filename Example: for [**DWG**] files

A[PID]-SKA001-[*User Defined*].dwg	First drawing in Stage IV Sketch set
A[PID]-SKA032A-[*User Defined*].dwg	32nd drawing in Stage IV Sketch set requiring more than one sketch

Filename Example: for [**DWF**] files

A[PID]-SKA001_TransNo00229.dwf	Clarification sketch issued with a shop drawing submittal return
A[PID]-SKA029_6BRFINo30.dwf	Clarification sketch issued with a RFI response
A[PID]-SKA032_6B-AltEntryLayoutCoord.dwf	Sketch issued for discipline coordination

6.16.9.2

Filename example: for [**DWG**] FILES - SHEET vs. SERVER
The **zero** in the server file name is to sort the drawings in ascending order on the server. The zero is **not** required for the drawing number on the plot sheet.

SERVER FILE NAME	DRAWING NUMBER ON PLOT SHEET
A[PID]-SKA001-[*User Defined*].dwg	SKA1
A[PID]-SKA029-[*User Defined*].dwg	SKA29
A[PID]-SKA032A-[*User Defined*].dwg	SKA32A
A[PID]-SKA110-[*User Defined*].dwg	SKA110

6.17 Appendix B – Civil Discipline

6.17.1 Content Preferences

This Section Is Under Construction

6.17.2 Layer Stratagem

6.17.2.1 New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ALIGNMENT								
C	ALGN	BRNG			131	CONTINUOUS	YES	BEARINGS
C	ALGN	COGO			100	CONTINUOUS	YES	COORDINATE GEOMETRY INFORMATION
C	ALGN	CRVE			131	CONTINUOUS	YES	CURVE NUMBERS
C	ALGN	DIMS			100	CONTINUOUS	YES	ALIGNMENT DIMENSIONS
C	ALGN	GAGE			131	CONTINUOUS	YES	GAUGE LINE, TRACK
C	ALGN	HOR_	EDGE		131	CONTINUOUS	YES	ROAD/TAXIWAY/RUNWAY EDGE ALIGNMENTS
C	ALGN	HOR_	TEMP		131	CONTINUOUS	YES	TEMPORARY CENTERLINE, HORIZONTAL ALIGNMENT
C	ALGN	NOTE			121	CONTINUOUS	YES	ALIGNMENT ANNOTATIONS AND NOTES
C	ALGN	PCPT			100	CONTINUOUS	YES	PC/PT/PCC/PRC/POC BUBBLES AND TEXT
C	ALGN	PROF	GRID		251	CONTINUOUS	YES	PROFILE GRID
C	ALGN	PROP			100	PHANTOM2	YES	PROPERTY LINES AND TEXT
C	ALGN	ROWL			131	PHANTOM	YES	RIGHT OF WAY LINES AND TEXT
C	ALGN	STAT			100	CONTINUOUS	YES	ALIGNMENT STATIONS AND TEXT
C	ALGN	SWCH			100	CONTINUOUS	YES	POINT OF SWITCH
C	ALGN	TPRD			131	CONTINUOUS	YES	TEMPORARY ROAD ALIGNMENTS
C	ALGN	TRAK			131	RR	YES	TRACK ALIGNMENT
C	ALGN	TRAK	GAGE		131	RR	YES	GAUGE LINE, TRACK
C	ALGN	TRAK	SWCH		131	RR	YES	POINT OF SWITCH
C	ALGN	TRAK	VERT		131	RR	YES	TOP OF RAIL
C	ALGN	VERT			131	CONTINUOUS	YES	TOP AT RAIL
ANNOTATION								
C	ANNO	CHNG			92	DIVIDE	YES	IDENTIFICATION OF UPDATED WORK
C	ANNO	COGO	GRID		252	CONTINUOUS	YES	COORDINATE GEOMETRY GRID
C	ANNO	CONS			30	CONTINUOUS	YES	CONSTRUCTION LINES
C	ANNO	DIMS			1	CONTINUOUS	YES	DIMENSIONS
C	ANNO	LGND			121	CONTINUOUS	YES	LEGEND ITEMS
C	ANNO	MTCH			172	CONTINUOUS	YES	MATCH LINE
C	ANNO	NARW			121	CONTINUOUS	YES	NORTH ARROW
C	ANNO	NOTE			121	CONTINUOUS	YES	NOTES
C	ANNO	REVS			220	CONTINUOUS	YES	REVISION BUBBLE AND TRIANGLE
C	ANNO	SCLE			121	CONTINUOUS	YES	SCALE BAR
C	ANNO	TABL			131	CONTINUOUS	YES	CURVE DATA TABLE, DRAINAGE TABLE, ETC
C	ANNO	TEXT			100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TITL			172	CONTINUOUS	YES	TITLES
C	ANNO	VPRT			200	CONTINUOUS	YES	VIEW PORT

DETAILS								
C	DETL	____			131	CONTINUOUS	YES	DETAIL FEATURES
C	DETL	DIMS			100	CONTINUOUS	YES	DETAIL DIMENSIONS
C	DETL	NOTE			121	CONTINUOUS	YES	DETAIL NOTES AND ANNOTATIONS
GRADING								
C	GRAD	COGO			121	CONTINUOUS	YES	GRADING COORDINATE GEOMETRY
C	GRAD	DIMS			100	CONTINUOUS	YES	GRADING DIMENSIONS
C	GRAD	INDX			220	CONTINUOUS	YES	INDEX CONTOURS
C	GRAD	INTR			92	CONTINUOUS	YES	INTERMEDIATE CONTOURS
C	GRAD	LIMT			13	CONTINUOUS	YES	LIMIT OF GRADING
C	GRAD	NOTE			121	CONTINUOUS	YES	GRADING NOTES AND ANNOTATION
C	GRAD	SPOT			12	CONTINUOUS	YES	SPOT ELEVATIONS
PAVEMENT MARKINGS								
C	MARK	AIRS			220	CONTINUOUS	YES	PAVEMENT MARKINGS AIRSIDE
C	MARK	COGO			100	CONTINUOUS	YES	PAVEMENT MARKING COORDINATE GEOMETRY
C	MARK	DIMS			100	CONTINUOUS	YES	PAVEMENT MARKING DIMENSIONS
C	MARK	NOTE			121	CONTINUOUS	YES	PAVEMENT MARKING NOTES AND ANNOTATION
C	MARK	PARK			220	CONTINUOUS	YES	PAVEMENT MARKINGS PARKING
C	MARK	ROAD			220	CONTINUOUS	YES	PAVEMENT MARKINGS ROADS
C	MARK	TEXT			100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
PAVING								
C	PAVE	ASPH			12	CONTINUOUS	YES	ROAD, PARKING LOT AND AIRSIDE
C	PAVE	BRDR	PATT		14	CONTINUOUS	YES	PAVEMENT HATCH BORDERS
C	PAVE	COGO			121	CONTINUOUS	YES	PAVING COORDINATE GEOMETRY DATA
C	PAVE	CONC			12	CONTINUOUS	YES	ROAD, PARKING LOT AND AIRSIDE
C	PAVE	CURB	BACK		1	CONTINUOUS	YES	BACK OF CURB
C	PAVE	CURB	FACE		131	CONTINUOUS	YES	FACE OF CURB
C	PAVE	DIMS			100	CONTINUOUS	YES	PAVEMENT DIMENSIONS
C	PAVE	GRAV			12	CONTINUOUS	YES	GRAVEL
C	PAVE	JBAR			220	CONTINUOUS	YES	JERSEY BARRIERS
C	PAVE	JNTS			220	CONTINUOUS	YES	EXPANSION JOINTS
C	PAVE	LIMT			13	DASHED	YES	PAVING LIMITS
C	PAVE	NOTE			121	CONTINUOUS	YES	PAVING NOTES
C	PAVE	SECT			172	CONTINUOUS	YES	SECTION MARKS
PROFILES								
C	PROF	____			1	CONTINUOUS	YES	PROFILE FEATURES
C	PROF	BASE			1	CONTINUOUS	YES	PROFILE BASE
C	PROF	FGCL			131	CONTINUOUS	YES	PROFILE FINISHED GROUND
C	PROF	NOTE			100	CONTINUOUS	YES	PROFILE NOTES AND ANNOTATIONS
C	PROF	TEXT			100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	XING			131	CONTINUOUS	YES	PROFILE UTILITY CROSSINGS
SECTIONS								
C	SECT	____			131	CONTINUOUS	YES	SECTION FEATURES

C	SECT	DIMS			100	CONTINUOUS	YES	SECTION DIMENSIONS
C	SECT	NOTE			121	CONTINUOUS	YES	SECTION NOTES AND ANNOTATIONS
C	SECT	SMPL			220	CONTINUOUS	YES	SECTION SAMPLE LINES
C	SECT	VIEW			100	CONTINUOUS	YES	SECTION VIEWS
C	SECT	VIEW	TABL		100	CONTINUOUS	YES	SECTION VIEW TABLES
SITE PLANS								
C	SITE	ABUT			131	CONTINUOUS	YES	BRIDGE ABUTMENTS
C	SITE	BLDG			131	CONTINUOUS	YES	BUILDINGS, SHEDS, MAJOR AND MINOR SITE FEATURES
C	SITE	BLDG	TEXT		100	CONTINUOUS	YES	MINOR AND MAJOR SITE FEATURE TEXT
C	SITE	COGO			121	CONTINUOUS	YES	SITEWORK COORDINATE GEOMETRY
C	SITE	FNCE			131	CONTINUOUS	YES	FENCES AND BOLLARDS
C	SITE	FNDN			131	CONTINUOUS	YES	FOUNDATIONS
C	SITE	GUID			131	CONTINUOUS	YES	GUIDE RAILS
C	SITE	LAND			131	CONTINUOUS	YES	LANDSCAPE FEATURES
C	SITE	NOTE			100	CONTINUOUS	YES	SITE NOTES AND ANNOTATIONS
C	SITE	SIGN			220	CONTINUOUS	YES	SIGNS
C	SITE	SIGN	TEXT		100	CONTINUOUS	YES	SIGN TEXT
C	SITE	TICK			121	CONTINUOUS	YES	TICK MARKS
C	SITE	WALL			131	CONTINUOUS	YES	WALLS
CONSTRUCTION STAGING								
C	STAG	BRDR	PATT		12	CONTINUOUS	YES	HATCH BORDERS
C	STAG	DIMS			100	CONTINUOUS	YES	CONSTRUCTION STAGE DIMENSIONS
C	STAG	NOTE			100	CONTINUOUS	YES	CONSTRUCTION STAGE NOTES AND ANNOTATIONS
C	STAG	STAGE			12	CONTINUOUS	YES	CONSTRUCTION STAGE FEATURES
C	STAG	STAG	TEXT		100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
UTILITIES								
C	UTIL	CB__			121	CONTINUOUS	YES	CATCH BASINS
C	UTIL	CB__	TEXT		100	CONTINUOUS	YES	CATCH BASIN TEXT
C	UTIL	COGO			121	CONTINUOUS	YES	UTILITY COORDINATE GEOMETRY
C	UTIL	DIMS			121	CONTINUOUS	YES	UTILITY DIMENSIONS
C	UTIL	FIRE			121	HPW	YES	FIRE (HIGH PRESSURE WATER LINE)
C	UTIL	FIRE	TEXT		100	CONTINUOUS	YES	FIRE (HIGH PRESSURE WATER LINE) TEXT
C	UTIL	FUEL			121	FOS	YES	FUEL LINE
C	UTIL	FUEL	TEXT		100	CONTINUOUS	YES	FUEL TEXT
C	UTIL	HYDR			121	CONTINUOUS	YES	HYDRANTS
C	UTIL	HYDR	TEXT		100	CONTINUOUS	YES	HYDRANTS TEXT
C	UTIL	MH__			121	CONTINUOUS	YES	MANHOLES OTHER THAN SANITARY OR STORM
C	UTIL	MH__	TEXT		100	CONTINUOUS	YES	MANHOLES TEXT
C	UTIL	NGAS			121	G	YES	GAS LINE
C	UTIL	NGAS	TEXT		100	CONTINUOUS	YES	GAS TEXT
C	UTIL	NOTE			121	CONTINUOUS	YES	NOTES AND ANNOTATION
C	UTIL	SSMH			121	CONTINUOUS	YES	SANITARY SEWER MANHOLES
C	UTIL	SSMH	TEXT		100	CONTINUOUS	YES	SANITARY SEWER MANHOLES TEXT

C	UTIL	SSWR			121	SAN	YES	SANITARY SEWER
C	UTIL	SSWR	TEXT		100	CONTINUOUS	YES	SANITARY SEWER TEXT
C	UTIL	STEM	HPRS		121	HPS	YES	HIGH PRESSURE STEAM LINE
C	UTIL	STEM	LPRS		121	LPS	YES	LOW PRESSURE STEAM LINE
C	UTIL	STEM	MPRS		121	MPS	YES	MEDIUM PRESSURE STEAM LINE
C	UTIL	STEM	TEXT		100	CONTINUOUS	YES	STEAM TEXT
C	UTIL	STRM			121	ST	YES	STORM DRAINAGE LINE
C	UTIL	STRM	CB__		121	CONTINUOUS	YES	STORM DRAINAGE CATCH BASINS
C	UTIL	STRM	MH__		121	CONTINUOUS	YES	STORM DRAINAGE MANHOLES
C	UTIL	STRM	SD__		121	CONTINUOUS	YES	SUB-DRAIN
C	UTIL	STRM	TEXT		100	CONTINUOUS	YES	STORM DRAINAGE TEXT
C	UTIL	WATR	COLD		121	CW	YES	COLD WATER LINE
C	UTIL	WATR	HOTW		121	HWS	YES	HOT WATER LINE
C	UTIL	WATR	HPRS		121	HPW	YES	HIGH PRESSURE WATER LINE
C	UTIL	WATR	LPRS		121	LPS	YES	LOW PRESSURE WATER LINE
C	UTIL	WATR	MPRS		121	MPS	YES	MEDIUM PRESSURE WATER LINE
C	UTIL	WATR	TEXT		100	C	YES	WATER TEXT
XREF								
C	XREF				121	CONTINUOUS	YES	EXTERNAL REFERENCE DRAWINGS
C	XREF	RAST			121	CONTINUOUS	YES	RASTER IMAGES

6.17.2.2 Existing Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ALIGNMENT								
C	ALGN	BRNG	____	EXST	253	CONTINUOUS	YES	EXISTING BEARINGS
C	ALGN	COGO	____	EXST	253	CONTINUOUS	YES	EXISTING COORDINATE GEOMETRY INFORMATION
C	ALGN	CRVE	____	EXST	253	CONTINUOUS	YES	EXISTING CURVE NUMBERS
C	ALGN	DIMS	____	EXST	253	CONTINUOUS	YES	EXISTING ALIGNMENT DIMENSIONS
C	ALGN	GAGE	____	EXST	253	CONTINUOUS	YES	EXISTING GAUGE LINE, TRACK
C	ALGN	HOR_	EDGE	EXST	253	CONTINUOUS	YES	EXISTING ROAD/TAXIWAY/RUNWAY EDGE ALIGNMENTS
C	ALGN	HOR_	TEMP	EXST	253	CONTINUOUS	YES	EXISTING TEMPORARY CENTERLINE, HORIZONTAL ALIGNMENT
C	ALGN	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING ALIGNMENT ANNOTATIONS AND NOTES
C	ALGN	PCPT	____	EXST	253	CONTINUOUS	YES	EXISTING PC/PT/PCC/PRC/POC BUBBLES AND TEXT
C	ALGN	PROF	GRID	EXST	253	CONTINUOUS	YES	EXISTING PROFILE GRID
C	ALGN	PROP	____	EXST	253	PHANTOM2	YES	EXISTING PROPERTY LINES AND TEXT
C	ALGN	ROWL	____	EXST	253	PHANTOM	YES	EXISTING RIGHT OF WAY LINES AND TEXT
C	ALGN	STAT	____	EXST	253	CONTINUOUS	YES	EXISTING ALIGNMENT STATIONS AND TEXT

C	ALGN	SWCH	____	EXST	253	CONTINUOUS	YES	EXISTING POINT OF SWITCH
C	ALGN	TPRD	____	EXST	253	CONTINUOUS	YES	EXISTING TEMPORARY ROAD ALIGNMENTS
C	ALGN	TRAK	____	EXST	253	RR	YES	EXISTING TRACK ALIGNMENT
C	ALGN	TRAK	GAGE	EXST	253	RR	YES	EXISTING GAUGE LINE, TRACK
C	ALGN	TRAK	SWCH	EXST	253	RR	YES	EXISTING POINT OF SWITCH
C	ALGN	TRAK	VERT	EXST	253	RR	YES	EXISTING TOP OF RAIL
C	ALGN	VERT	____	EXST	253	CONTINUOUS	YES	EXISTING TOP AT RAIL
ANNOTATION								
C	ANNO	TEXT	____	EXST	253	CONTINUOUS	YES	EXISTING MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TITL	____	EXST	253	CONTINUOUS	YES	EXISTING TITLES
DETAILS								
C	DETL	____	____	EXST	253	CONTINUOUS	YES	EXISTING DETAIL FEATURES
C	DETL	DIMS	____	EXST	253	CONTINUOUS	YES	EXISTING DETAIL DIMENSIONS
C	DETL	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING DETAIL NOTES AND ANNOTATIONS
GRADING								
C	GRAD	COGO	____	EXST	253	CONTINUOUS	YES	EXISTING GRADING COORDINATE GEOMETRY
C	GRAD	DIMS	____	EXST	253	CONTINUOUS	YES	EXISTING GRADING DIMENSIONS
C	GRAD	INDX	____	EXST	253	CONTINUOUS	YES	EXISTING INDEX CONTOURS
C	GRAD	INTR	____	EXST	253	CONTINUOUS	YES	EXISTING INTERMEDIATE CONTOURS
C	GRAD	LIMT	____	EXST	253	CONTINUOUS	YES	EXISTING LIMIT OF GRADING
C	GRAD	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING GRADING NOTES AND ANNOTATION
C	GRAD	SPOT	____	EXST	253	CONTINUOUS	YES	EXISTING SPOT ELEVATIONS
PAVEMENT MARKINGS								
C	MARK	AIRS	____	EXST	253	CONTINUOUS	YES	EXISTING PAVEMENT MARKINGS AIRSIDE
C	MARK	COGO	____	EXST	253	CONTINUOUS	YES	EXISTING PAVEMENT MARKING COORDINATE GEOMETRY
C	MARK	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING PAVEMENT MARKING NOTES AND ANNOTATION
C	MARK	PARK	____	EXST	253	CONTINUOUS	YES	EXISTING PAVEMENT MARKINGS PARKING
C	MARK	ROAD	____	EXST	253	CONTINUOUS	YES	EXISTING PAVEMENT MARKINGS ROADS
C	MARK	TEXT	____	EXST	253	CONTINUOUS	YES	EXISTING MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
PAVING								
C	PAVE	ASPH	____	EXST	253	CONTINUOUS	YES	EXISTING ROAD, PARKING LOT AND AIRSIDE
C	PAVE	BRDR	PATT	EXST	253	CONTINUOUS	YES	EXISTING PAVEMENT HATCH BORDERS
C	PAVE	COGO	____	EXST	253	CONTINUOUS	YES	EXISTING PAVING COORDINATE GEOMETRY DATA
C	PAVE	CONC	____	EXST	253	CONTINUOUS	YES	EXISTING ROAD, PARKING LOT AND AIRSIDE
C	PAVE	CURB	BACK	EXST	253	CONTINUOUS	YES	EXISTING BACK OF CURB
C	PAVE	CURB	FACE	EXST	253	CONTINUOUS	YES	EXISTING FACE OF CURB
C	PAVE	GRAV	____	EXST	253	CONTINUOUS	YES	EXISTING GRAVEL
C	PAVE	JBAR	____	EXST	253	CONTINUOUS	YES	EXISTING JERSEY BARRIERS
C	PAVE	JNTS	____	EXST	253	CONTINUOUS	YES	EXISTING EXPANSION JOINTS
C	PAVE	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING PAVING NOTES
PROFILES								
C	PROF	____	____	EXST	253	CONTINUOUS	YES	EXISTING PROFILE FEATURES
C	PROF	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING PROFILE NOTES AND ANNOTATIONS

C	PROF	TEXT	____	EXST	253	CONTINUOUS	YES	EXISTING MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	XING	____	EXST	253	CONTINUOUS	YES	EXISTING PROFILE UTILITY CROSSINGS
SECTIONS								
C	SECT	____	____	EXST	253	CONTINUOUS	YES	EXISTING SECTION FEATURES
C	SECT	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING SECTION NOTES AND ANNOTATIONS
SITE PLANS								
C	SITE	ABUT	____	EXST	253	CONTINUOUS	YES	EXISTING BRIDGE ABUTMENTS
C	SITE	BLDG	____	EXST	253	CONTINUOUS	YES	EXISTING BUILDINGS, SHEDS, MAJOR AND MINOR SITE FEATURES
C	SITE	BLDG	TEXT	EXST	253	CONTINUOUS	YES	EXISTING MINOR AND MAJOR SITE FEATURE TEXT
C	SITE	COGO	____	EXST	253	CONTINUOUS	YES	EXISTING SITEWORK COORDINATE GEOMETRY
C	SITE	FNCE	____	EXST	253	CONTINUOUS	YES	EXISTING FENCES AND BOLLARDS
C	SITE	FNDN	____	EXST	253	CONTINUOUS	YES	EXISTING FOUNDATIONS
C	SITE	GUID	____	EXST	253	CONTINUOUS	YES	EXISTING GUIDE RAILS
C	SITE	LAND	____	EXST	253	CONTINUOUS	YES	EXISTING LANDSCAPE FEATURES
C	SITE	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING SITE NOTES AND ANNOTATIONS
C	SITE	SIGN	____	EXST	253	CONTINUOUS	YES	EXISTING SIGNS
C	SITE	SIGN	TEXT	EXST	253	CONTINUOUS	YES	EXISTING SIGN TEXT
C	SITE	TICK	____	EXST	253	CONTINUOUS	YES	EXISTING TICK MARKS
C	SITE	WALL	____	EXST	253	CONTINUOUS	YES	EXISTING WALLS
UTILITIES								
C	UTIL	CB__	____	EXST	253	CONTINUOUS	YES	EXISTING CATCH BASINS
C	UTIL	CB__	TEXT	EXST	253	CONTINUOUS	YES	EXISTING CATCH BASIN TEXT
C	UTIL	COGO	____	EXST	253	CONTINUOUS	YES	EXISTING UTILITY COORDINATE GEOMETRY
C	UTIL	DIMS	____	EXST	253	CONTINUOUS	YES	EXISTING UTILITY DIMENSIONS
C	UTIL	FIRE	____	EXST	253	HPW	YES	EXISTING FIRE (HIGH PRESSURE WATER LINE)
C	UTIL	FIRE	TEXT	EXST	253	CONTINUOUS	YES	EXISTING FIRE (HIGH PRESSURE WATER LINE) TEXT
C	UTIL	FUEL	____	EXST	253	FOS	YES	EXISTING FUEL LINE
C	UTIL	FUEL	TEXT	EXST	253	CONTINUOUS	YES	EXISTING FUEL TEXT
C	UTIL	HYDR	____	EXST	253	CONTINUOUS	YES	EXISTING HYDRANTS
C	UTIL	HYDR	TEXT	EXST	253	CONTINUOUS	YES	EXISTING HYDRANTS TEXT
C	UTIL	MH__	____	EXST	253	CONTINUOUS	YES	EXISTING MANHOLES OTHER THAN SANITARY OR STORM
C	UTIL	MH__	TEXT	EXST	253	CONTINUOUS	YES	EXISTING MANHOLES TEXT
C	UTIL	NGAS	____	EXST	253	G	YES	EXISTING GAS LINE
C	UTIL	NGAS	TEXT	EXST	253	CONTINUOUS	YES	EXISTING GAS TEXT
C	UTIL	NOTE	____	EXST	253	CONTINUOUS	YES	EXISTING NOTES AND ANNOTATION
C	UTIL	SSMH	____	EXST	253	CONTINUOUS	YES	EXISTING SANITARY SEWER MANHOLES
C	UTIL	SSMH	TEXT	EXST	253	CONTINUOUS	YES	EXISTING SANITARY SEWER MANHOLES TEXT
C	UTIL	SSWR	____	EXST	253	SAN	YES	EXISTING SANITARY SEWER
C	UTIL	SSWR	TEXT	EXST	253	CONTINUOUS	YES	EXISTING SANITARY SEWER TEXT
C	UTIL	STEM	HPRS	EXST	253	HPS	YES	EXISTING HIGH PRESSURE STEAM LINE
C	UTIL	STEM	LPRS	EXST	253	LPS	YES	EXISTING LOW PRESSURE STEAM LINE
C	UTIL	STEM	MPRS	EXST	253	MPS	YES	EXISTING MEDIUM PRESSURE STEAM LINE
C	UTIL	STEM	TEXT	EXST	253	CONTINUOUS	YES	EXISTING STEAM TEXT

C	UTIL	STRM	____	EXST	253	ST	YES	EXISTING STORM DRAINAGE LINE
C	UTIL	STRM	CB__	EXST	253	CONTINUOUS	YES	EXISTING STORM DRAINAGE CATCH BASINS
C	UTIL	STRM	MH__	EXST	253	CONTINUOUS	YES	EXISTING STORM DRAINAGE MANHOLES
C	UTIL	STRM	SD__	EXST	253	CONTINUOUS	YES	EXISTING SUB-DRAIN
C	UTIL	STRM	TEXT	EXST	253	CONTINUOUS	YES	EXISTING STORM DRAINAGE TEXT
C	UTIL	WATR	COLD	EXST	253	CW	YES	EXISTING COLD WATER LINE
C	UTIL	WATR	HOTW	EXST	253	HWS	YES	EXISTING HOT WATER LINE
C	UTIL	WATR	HPRS	EXST	253	HPW	YES	EXISTING HIGH PRESSURE WATER LINE
C	UTIL	WATR	LPRS	EXST	253	LPS	YES	EXISTING LOW PRESSURE WATER LINE
C	UTIL	WATR	MPRS	EXST	253	MPS	YES	EXISTING MEDIUM PRESSURE WATER LINE
C	UTIL	WATR	TEXT	EXST	253	C	YES	EXISTING WATER TEXT

6.17.2.3 Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ALIGNMENT								
C	ALGN	BRNG	____	FUTR	253	CONTINUOUS	YES	FUTURE BEARINGS
C	ALGN	COGO	____	FUTR	253	CONTINUOUS	YES	FUTURE COORDINATE GEOMETRY INFORMATION
C	ALGN	CRVE	____	FUTR	253	CONTINUOUS	YES	FUTURE CURVE NUMBERS
C	ALGN	DIMS	____	FUTR	253	CONTINUOUS	YES	FUTURE ALIGNMENT DIMENSIONS
C	ALGN	GAGE	____	FUTR	253	CONTINUOUS	YES	FUTURE GAUGE LINE, TRACK
C	ALGN	HOR_		FUTR	253	CONTINUOUS	YES	FUTURE ROAD/TAXIWAY/RUNWAY EDGE ALIGNMENTS
C	ALGN	HOR_		FUTR	253	CONTINUOUS	YES	FUTURE TEMPORARY CENTERLINE, HORIZONTAL ALIGNMENT
C	ALGN	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE ALIGNMENT ANNOTATIONS AND NOTES
C	ALGN	PCPT	____	FUTR	253	CONTINUOUS	YES	FUTURE PC/PT/PCC/PRC/POC BUBBLES AND TEXT
C	ALGN	PROF		FUTR	253	CONTINUOUS	YES	FUTURE PROFILE GRID
C	ALGN	PROP	____	FUTR	253	PHANTOM2	YES	FUTURE PROPERTY LINES AND TEXT
C	ALGN	ROWL	____	FUTR	253	PHANTOM	YES	FUTURE RIGHT OF WAY LINES AND TEXT
C	ALGN	STAT	____	FUTR	253	CONTINUOUS	YES	FUTURE ALIGNMENT STATIONS AND TEXT
C	ALGN	SWCH	____	FUTR	253	CONTINUOUS	YES	FUTURE POINT OF SWITCH
C	ALGN	TPRD	____	FUTR	253	CONTINUOUS	YES	FUTURE TEMPORARY ROAD ALIGNMENTS
C	ALGN	TRAK	____	FUTR	253	RR	YES	FUTURE TRACK ALIGNMENT
C	ALGN	TRAK	GAGE	FUTR	253	RR	YES	FUTURE GAUGE LINE, TRACK
C	ALGN	TRAK	SWCH	FUTR	253	RR	YES	FUTURE POINT OF SWITCH
C	ALGN	TRAK	VERT	FUTR	253	RR	YES	FUTURE TOP OF RAIL
C	ALGN	VERT	____	FUTR	253	CONTINUOUS	YES	FUTURE TOP AT RAIL
ANNOTATION								
C	ANNO	TEXT	____	FUTR	253	CONTINUOUS	YES	FUTURE MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TITL	____	FUTR	253	CONTINUOUS	YES	FUTURE TITLES

DETAILS								
C	DETL	____	____	FUTR	253	CONTINUOUS	YES	FUTURE DETAIL FEATURES
C	DETL	DIMS	____	FUTR	253	CONTINUOUS	YES	FUTURE DETAIL DIMENSIONS
C	DETL	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE DETAIL NOTES AND ANNOTATIONS
GRADING								
C	GRAD	COGO	____	FUTR	253	CONTINUOUS	YES	FUTURE GRADING COORDINATE GEOMETRY
C	GRAD	DIMS	____	FUTR	253	CONTINUOUS	YES	FUTURE GRADING DIMENSIONS
C	GRAD	INDX	____	FUTR	253	CONTINUOUS	YES	FUTURE INDEX CONTOURS
C	GRAD	INTR	____	FUTR	253	CONTINUOUS	YES	FUTURE INTERMEDIATE CONTOURS
C	GRAD	LIMT	____	FUTR	253	CONTINUOUS	YES	FUTURE LIMIT OF GRADING
C	GRAD	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE GRADING NOTES AND ANNOTATION
C	GRAD	SPOT	____	FUTR	253	CONTINUOUS	YES	FUTURE SPOT ELEVATIONS
PAVEMENT MARKINGS								
C	MARK	AIRS	____	FUTR	253	CONTINUOUS	YES	FUTURE PAVEMENT MARKINGS AIRSIDE
C	MARK	COGO	____	FUTR	253	CONTINUOUS	YES	FUTURE PAVEMENT MARKING COORDINATE GEOMETRY
C	MARK	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE PAVEMENT MARKING NOTES AND ANNOTATION
C	MARK	PARK	____	FUTR	253	CONTINUOUS	YES	FUTURE PAVEMENT MARKINGS PARKING
C	MARK	ROAD	____	FUTR	253	CONTINUOUS	YES	FUTURE PAVEMENT MARKINGS ROADS
C	MARK	TEXT	____	FUTR	253	CONTINUOUS	YES	FUTURE MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
PAVING								
C	PAVE	ASPH	____	FUTR	253	CONTINUOUS	YES	FUTURE ROAD, PARKING LOT AND AIRSIDE
C	PAVE	BRDR	PATT	FUTR	253	CONTINUOUS	YES	FUTURE PAVEMENT HATCH BORDERS
C	PAVE	COGO	____	FUTR	253	CONTINUOUS	YES	FUTURE PAVING COORDINATE GEOMETRY DATA
C	PAVE	CONC	____	FUTR	253	CONTINUOUS	YES	FUTURE ROAD, PARKING LOT AND AIRSIDE
C	PAVE	CURB	BACK	FUTR	253	CONTINUOUS	YES	FUTURE BACK OF CURB
C	PAVE	CURB	FACE	FUTR	253	CONTINUOUS	YES	FUTURE FACE OF CURB
C	PAVE	GRAV	____	FUTR	253	CONTINUOUS	YES	FUTURE GRAVEL
C	PAVE	JBAR	____	FUTR	253	CONTINUOUS	YES	FUTURE JERSEY BARRIERS
C	PAVE	JNTS	____	FUTR	253	CONTINUOUS	YES	FUTURE EXPANSION JOINTS
C	PAVE	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE PAVING NOTES
PROFILES								
C	PROF	____	____	FUTR	253	CONTINUOUS	YES	FUTURE PROFILE FEATURES
C	PROF	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE PROFILE NOTES AND ANNOTATIONS
C	PROF	TEXT	____	FUTR	253	CONTINUOUS	YES	FUTURE MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	XING	____	FUTR	253	CONTINUOUS	YES	FUTURE PROFILE UTILITY CROSSINGS
SECTIONS								
C	SECT	____	____	FUTR	253	CONTINUOUS	YES	FUTURE SECTION FEATURES
C	SECT	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE SECTION NOTES AND ANNOTATIONS
SITE PLANS								
C	SITE	ABUT	____	FUTR	253	CONTINUOUS	YES	FUTURE BRIDGE ABUTMENTS
C	SITE	BLDG	____	FUTR	253	CONTINUOUS	YES	FUTURE BUILDINGS, SHEDS, MAJOR AND MINOR SITE FEATURES
C	SITE	BLDG	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE MINOR AND MAJOR SITE FEATURE TEXT
C	SITE	COGO	____	FUTR	253	CONTINUOUS	YES	FUTURE SITEWORK COORDINATE GEOMETRY

C	SITE	FNCE	____	FUTR	253	CONTINUOUS	YES	FUTURE FENCES AND BOLLARDS
C	SITE	FNDN	____	FUTR	253	CONTINUOUS	YES	FUTURE FOUNDATIONS
C	SITE	GUID	____	FUTR	253	CONTINUOUS	YES	FUTURE GUIDE RAILS
C	SITE	LAND	____	FUTR	253	CONTINUOUS	YES	FUTURE LANDSCAPE FEATURES
C	SITE	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE SITE NOTES AND ANNOTATIONS
C	SITE	SIGN	____	FUTR	253	CONTINUOUS	YES	FUTURE SIGNS
C	SITE	SIGN	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE SIGN TEXT
C	SITE	TICK	____	FUTR	253	CONTINUOUS	YES	FUTURE TICK MARKS
C	SITE	WALL	____	FUTR	253	CONTINUOUS	YES	FUTURE WALLS
UTILITIES								
C	UTIL	CB__	____	FUTR	253	CONTINUOUS	YES	FUTURE CATCH BASINS
C	UTIL	CB__	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE CATCH BASIN TEXT
C	UTIL	COGO	____	FUTR	253	CONTINUOUS	YES	FUTURE UTILITY COORDINATE GEOMETRY
C	UTIL	DIMS	____	FUTR	253	CONTINUOUS	YES	FUTURE UTILITY DIMENSIONS
C	UTIL	FIRE	____	FUTR	253	HPW	YES	FUTURE FIRE (HIGH PRESSURE WATER LINE)
C	UTIL	FIRE	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE FIRE (HIGH PRESSURE WATER LINE) TEXT
C	UTIL	FUEL	____	FUTR	253	FOS	YES	FUTURE FUEL LINE
C	UTIL	FUEL	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE FUEL TEXT
C	UTIL	HYDR	____	FUTR	253	CONTINUOUS	YES	FUTURE HYDRANTS
C	UTIL	HYDR	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE HYDRANTS TEXT
C	UTIL	MH__	____	FUTR	253	CONTINUOUS	YES	FUTURE MANHOLES OTHER THAN SANITARY OR STORM
C	UTIL	MH__	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE MANHOLES TEXT
C	UTIL	NGAS	____	FUTR	253	G	YES	FUTURE GAS LINE
C	UTIL	NGAS	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE GAS TEXT
C	UTIL	NOTE	____	FUTR	253	CONTINUOUS	YES	FUTURE NOTES AND ANNOTATION
C	UTIL	SSMH	____	FUTR	253	CONTINUOUS	YES	FUTURE SANITARY SEWER MANHOLES
C	UTIL	SSWR	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE SANITARY SEWER MANHOLES TEXT
C	UTIL	SSWR	____	FUTR	253	SAN	YES	FUTURE SANITARY SEWER
C	UTIL	STEM	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE SANITARY SEWER TEXT
C	UTIL	STEM	HPRS	FUTR	253	HPS	YES	FUTURE HIGH PRESSURE STEAM LINE
C	UTIL	STEM	LPRS	FUTR	253	LPS	YES	FUTURE LOW PRESSURE STEAM LINE
C	UTIL	STEM	MPRS	FUTR	253	MPS	YES	FUTURE MEDIUM PRESSURE STEAM LINE
C	UTIL	STRM	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE STEAM TEXT
C	UTIL	STRM	____	FUTR	253	ST	YES	FUTURE STORM DRAINAGE LINE
C	UTIL	STRM	CB__	FUTR	253	CONTINUOUS	YES	FUTURE STORM DRAINAGE CATCH BASINS
C	UTIL	STRM	MH__	FUTR	253	CONTINUOUS	YES	FUTURE STORM DRAINAGE MANHOLES
C	UTIL	STRM	SD__	FUTR	253	CONTINUOUS	YES	FUTURE SUB-DRAIN
C	UTIL	STRM	TEXT	FUTR	253	CONTINUOUS	YES	FUTURE STORM DRAINAGE TEXT
C	UTIL	WATR	COLD	FUTR	253	CW	YES	FUTURE COLD WATER LINE
C	UTIL	WATR	HOTW	FUTR	253	HWS	YES	FUTURE HOT WATER LINE
C	UTIL	WATR	HPRS	FUTR	253	HPW	YES	FUTURE HIGH PRESSURE WATER LINE
C	UTIL	WATR	LPRS	FUTR	253	LPS	YES	FUTURE LOW PRESSURE WATER LINE
C	UTIL	WATR	MPRS	FUTR	253	MPS	YES	FUTURE MEDIUM PRESSURE WATER LINE

C	UTIL	WATR	TEXT	FUTR	253	C	YES	FUTURE WATER TEXT

6.17.2.4 Relocate Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ALIGNMENT								
C	ALGN	BRGN	____	RELO	4	CONTINUOUS	YES	RELOCATED BEARINGS
C	ALGN	COGO	____	RELO	3	CONTINUOUS	YES	RELOCATED COORDINATE GEOMETRY INFORMATION
C	ALGN	CRVE	____	RELO	4	CONTINUOUS	YES	RELOCATED CURVE NUMBERS
C	ALGN	DIMS	____	RELO	3	CONTINUOUS	YES	RELOCATED ALIGNMENT DIMENSIONS
C	ALGN	GAGE	____	RELO	4	CONTINUOUS	YES	RELOCATED GAUGE LINE, TRACK
C	ALGN	HOR_	EDGE	RELO	4	CONTINUOUS	YES	RELOCATED ROAD/TAXIWAY/RUNWAY EDGE ALIGNMENTS
C	ALGN	HOR_	TEMP	RELO	7	CONTINUOUS	YES	RELOCATED TEMPORARY CENTERLINE, HORIZONTAL ALIGNMENT
C	ALGN	NOTE	____	RELO	7	CONTINUOUS	YES	RELOCATED ALIGNMENT ANNOTATIONS AND NOTES
C	ALGN	PCPT	____	RELO	3	CONTINUOUS	YES	RELOCATED PC/PT/PCC/PRC/POC BUBBLES AND TEXT
C	ALGN	PROF	GRID	RELO	251	CONTINUOUS	YES	RELOCATED PROFILE GRID
C	ALGN	PROP	____	RELO	3	PHANTOM2	YES	RELOCATED PROPERTY LINES AND TEXT
C	ALGN	ROWL	____	RELO	4	PHANTOM	YES	RELOCATED RIGHT OF WAY LINES AND TEXT
C	ALGN	STAT	____	RELO	3	CONTINUOUS	YES	RELOCATED ALIGNMENT STATIONS AND TEXT
C	ALGN	SWCH	____	RELO	3	CONTINUOUS	YES	RELOCATED POINT OF SWITCH
C	ALGN	TPRD	____	RELO	4	CONTINUOUS	YES	RELOCATED TEMPORARY ROAD ALIGNMENTS
C	ALGN	TRAK	____	RELO	4	RR	YES	RELOCATED TRACK ALIGNMENT
C	ALGN	TRAK	GAGE	RELO	4	RR	YES	RELOCATED GAUGE LINE, TRACK
C	ALGN	TRAK	SWCH	RELO	4	RR	YES	RELOCATED POINT OF SWITCH
C	ALGN	TRAK	VERT	RELO	4	RR	YES	RELOCATED TOP OF RAIL
C	ALGN	VERT	____	RELO	4	CONTINUOUS	YES	RELOCATED TOP AT RAIL
ANNOTATION								
C	ANNO	TEXT	____	RELO	3	CONTINUOUS	YES	RELOCATED MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TITL	____	RELO	5	CONTINUOUS	YES	RELOCATED TITLES
DETAILS								
C	DETL	____	____	RELO	4	CONTINUOUS	YES	RELOCATED DETAIL FEATURES
C	DETL	DIMS	____	RELO	3	CONTINUOUS	YES	RELOCATED DETAIL DIMENSIONS
C	DETL	NOTE	____	RELO	7	CONTINUOUS	YES	RELOCATED DETAIL NOTES AND ANNOTATIONS
GRADING								
C	GRAD	COGO	____	RELO	7	CONTINUOUS	YES	RELOCATED GRADING COORDINATE GEOMETRY
C	GRAD	DIMS	____	RELO	3	CONTINUOUS	YES	RELOCATED GRADING DIMENSIONS
C	GRAD	INDX	____	RELO	6	CONTINUOUS	YES	RELOCATED INDEX CONTOURS
C	GRAD	INTR	____	RELO	2	CONTINUOUS	YES	RELOCATED INTERMEDIATE CONTOURS

C	GRAD	LIMT	____	RELO	13	CONTINUOUS	YES	RELOCATED LIMIT OF GRADING
C	GRAD	NOTE	____	RELO	7	CONTINUOUS	YES	RELOCATED GRADING NOTES AND ANNOTATION
C	GRAD	SPOT	____	RELO	11	CONTINUOUS	YES	RELOCATED SPOT ELEVATIONS
PAVEMENT MARKINGS								
C	MARK	AIRS	____	RELO	6	CONTINUOUS	YES	RELOCATED PAVEMENT MARKINGS AIRSIDE
C	MARK	COGO	____	RELO	3	CONTINUOUS	YES	RELOCATED PAVEMENT MARKING COORDINATE GEOMETRY
C	MARK	NOTE	____	RELO	7	CONTINUOUS	YES	RELOCATED PAVEMENT MARKING NOTES AND ANNOTATION
C	MARK	PARK	____	RELO	6	CONTINUOUS	YES	RELOCATED PAVEMENT MARKINGS PARKING
C	MARK	ROAD	____	RELO	6	CONTINUOUS	YES	RELOCATED PAVEMENT MARKINGS ROADS
C	MARK	TEXT	____	RELO	3	CONTINUOUS	YES	RELOCATED MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
PAVING								
C	PAVE	ASPH	____	RELO	11	CONTINUOUS	YES	RELOCATED ROAD, PARKING LOT AND AIRSIDE
C	PAVE	BRDR	PATT	RELO	10	CONTINUOUS	YES	RELOCATED PAVEMENT HATCH BORDERS
C	PAVE	COGO	____	RELO	7	CONTINUOUS	YES	RELOCATED PAVING COORDINATE GEOMETRY DATA
C	PAVE	CONC	____	RELO	11	CONTINUOUS	YES	RELOCATED ROAD, PARKING LOT AND AIRSIDE
C	PAVE	CURB	BACK	RELO	1	CONTINUOUS	YES	RELOCATED BACK OF CURB
C	PAVE	CURB	FACE	RELO	4	CONTINUOUS	YES	RELOCATED FACE OF CURB
C	PAVE	GRAV	____	RELO	11	CONTINUOUS	YES	RELOCATED GRAVEL
C	PAVE	JBAR	____	RELO	6	CONTINUOUS	YES	RELOCATED JERSEY BARRIERS
C	PAVE	JNTS	____	RELO	6	CONTINUOUS	YES	RELOCATED EXPANSION JOINTS
C	PAVE	NOTE	____	RELO	7	CONTINUOUS	YES	RELOCATED PAVING NOTES
PROFILES								
C	PROF	____	____	RELO	1	CONTINUOUS	YES	RELOCATED PROFILE FEATURES
C	PROF	NOTE	____	RELO	3	CONTINUOUS	YES	RELOCATED PROFILE NOTES AND ANNOTATIONS
C	PROF	TEXT	____	RELO	3	CONTINUOUS	YES	RELOCATED MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	XING	____	RELO	4	CONTINUOUS	YES	RELOCATED PROFILE UTILITY CROSSINGS
SECTIONS								
C	SECT	____	____	RELO	4	CONTINUOUS	YES	RELOCATED SECTION FEATURES
C	SECT	NOTE	____	RELO	7	CONTINUOUS	YES	RELOCATED SECTION NOTES AND ANNOTATIONS
SITE PLANS								
C	SITE	ABUT	____	RELO	4	CONTINUOUS	YES	RELOCATED BRIDGE ABUTMENTS
C	SITE	BLDG	____	RELO	4	CONTINUOUS	YES	RELOCATED BUILDINGS, SHEDS, MAJOR AND MINOR SITE FEATURES
C	SITE	BLDG	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED MINOR AND MAJOR SITE FEATURE TEXT
C	SITE	COGO	____	RELO	7	CONTINUOUS	YES	RELOCATED SITEWORK COORDINATE GEOMETRY
C	SITE	FNCE	____	RELO	4	CONTINUOUS	YES	RELOCATED FENCES AND BOLLARDS
C	SITE	FNDN	____	RELO	4	CONTINUOUS	YES	RELOCATED FOUNDATIONS
C	SITE	GUID	____	RELO	4	CONTINUOUS	YES	RELOCATED GUIDE RAILS
C	SITE	LAND	____	RELO	4	CONTINUOUS	YES	RELOCATED LANDSCAPE FEATURES
C	SITE	NOTE	____	RELO	3	CONTINUOUS	YES	RELOCATED SITE NOTES AND ANNOTATIONS
C	SITE	SIGN	____	RELO	6	CONTINUOUS	YES	RELOCATED SIGNS
C	SITE	SIGN	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED SIGN TEXT
C	SITE	TICK	____	RELO	7	CONTINUOUS	YES	RELOCATED TICK MARKS
C	SITE	WALL	____	RELO	4	CONTINUOUS	YES	RELOCATED WALLS

UTILITIES								
C	UTIL	CB__	____	RELO	7	CONTINUOUS	YES	RELOCATED CATCH BASINS
C	UTIL	CB__	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED CATCH BASIN TEXT
C	UTIL	COGO	____	RELO	7	CONTINUOUS	YES	RELOCATED UTILITY COORDINATE GEOMETRY
C	UTIL	DIMS	____	RELO	7	CONTINUOUS	YES	RELOCATED UTILITY DIMENSIONS
C	UTIL	FIRE	____	RELO	7	HPW	YES	RELOCATED FIRE (HIGH PRESSURE WATER LINE)
C	UTIL	FIRE	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED FIRE (HIGH PRESSURE WATER LINE) TEXT
C	UTIL	FUEL	____	RELO	7	FOS	YES	RELOCATED FUEL LINE
C	UTIL	FUEL	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED FUEL TEXT
C	UTIL	HYDR	____	RELO	7	CONTINUOUS	YES	RELOCATED HYDRANTS
C	UTIL	HYDR	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED HYDRANTS TEXT
C	UTIL	MH__	____	RELO	7	CONTINUOUS	YES	RELOCATED MANHOLES OTHER THAN SANITARY OR STORM
C	UTIL	MH__	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED MANHOLES TEXT
C	UTIL	NGAS	____	RELO	7	G	YES	RELOCATED GAS LINE
C	UTIL	NGAS	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED GAS TEXT
C	UTIL	NOTE	____	RELO	7	CONTINUOUS	YES	RELOCATED NOTES AND ANNOTATION
C	UTIL	SSMH	____	RELO	7	CONTINUOUS	YES	RELOCATED SANITARY SEWER MANHOLES
C	UTIL	SSMH	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED SANITARY SEWER MANHOLES TEXT
C	UTIL	SSWR	____	RELO	7	SAN	YES	RELOCATED SANITARY SEWER
C	UTIL	SSWR	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED SANITARY SEWER TEXT
C	UTIL	STEM	HPRS	RELO	7	HPS	YES	RELOCATED HIGH PRESSURE STEAM LINE
C	UTIL	STEM	LPRS	RELO	7	LPS	YES	RELOCATED LOW PRESSURE STEAM LINE
C	UTIL	STEM	MPRS	RELO	7	MPS	YES	RELOCATED MEDIUM PRESSURE STEAM LINE
C	UTIL	STEM	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED STEAM TEXT
C	UTIL	STRM	____	RELO	7	ST	YES	RELOCATED STORM DRAINAGE LINE
C	UTIL	STRM	CB__	RELO	7	CONTINUOUS	YES	RELOCATED STORM DRAINAGE CATCH BASINS
C	UTIL	STRM	MH__	RELO	7	CONTINUOUS	YES	RELOCATED STORM DRAINAGE MANHOLES
C	UTIL	STRM	SD__	RELO	7	CONTINUOUS	YES	RELOCATED SUB-DRAIN
C	UTIL	STRM	TEXT	RELO	3	CONTINUOUS	YES	RELOCATED STORM DRAINAGE TEXT
C	UTIL	WATR	COLD	RELO	7	CW	YES	RELOCATED COLD WATER LINE
C	UTIL	WATR	HOTW	RELO	7	HWS	YES	RELOCATED HOT WATER LINE
C	UTIL	WATR	HPRS	RELO	7	HPW	YES	RELOCATED HIGH PRESSURE WATER LINE
C	UTIL	WATR	LPRS	RELO	7	LPS	YES	RELOCATED LOW PRESSURE WATER LINE
C	UTIL	WATR	MPRS	RELO	7	MPS	YES	RELOCATED MEDIUM PRESSURE WATER LINE
C	UTIL	WATR	TEXT	RELO	3	C	YES	RELOCATED WATER TEXT

6.17.2.5 Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ALIGNMENT								
C	ALGN	BRNG	____	RMVL	253	CONTINUOUS	YES	REMOVAL BEARINGS
C	ALGN	COGO	____	RMVL	253	CONTINUOUS	YES	REMOVAL COORDINATE GEOMETRY INFORMATION
C	ALGN	CRVE	____	RMVL	253	CONTINUOUS	YES	REMOVAL CURVE NUMBERS
C	ALGN	DIMS	____	RMVL	253	CONTINUOUS	YES	REMOVAL ALIGNMENT DIMENSIONS
C	ALGN	GAGE	____	RMVL	253	CONTINUOUS	YES	REMOVAL GAUGE LINE, TRACK
C	ALGN	HOR_	EDGE	RMVL	253	CONTINUOUS	YES	REMOVAL ROAD/TAXIWAY/RUNWAY EDGE ALIGNMENTS
C	ALGN	HOR_	TEMP	RMVL	253	CONTINUOUS	YES	REMOVAL TEMPORARY CENTERLINE, HORIZONTAL ALIGNMENT
C	ALGN	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL ALIGNMENT ANNOTATIONS AND NOTES
C	ALGN	PCPT	____	RMVL	253	CONTINUOUS	YES	REMOVAL PC/PT/PCC/PRC/POC BUBBLES AND TEXT
C	ALGN	PROF	GRID	RMVL	253	CONTINUOUS	YES	REMOVAL PROFILE GRID
C	ALGN	PROP	____	RMVL	253	PHANTOM2	YES	REMOVAL PROPERTY LINES AND TEXT
C	ALGN	ROWL	____	RMVL	253	PHANTOM	YES	REMOVAL RIGHT OF WAY LINES AND TEXT
C	ALGN	STAT	____	RMVL	253	CONTINUOUS	YES	REMOVAL ALIGNMENT STATIONS AND TEXT
C	ALGN	SWCH	____	RMVL	253	CONTINUOUS	YES	REMOVAL POINT OF SWITCH
C	ALGN	TPRD	____	RMVL	253	CONTINUOUS	YES	REMOVAL TEMPORARY ROAD ALIGNMENTS
C	ALGN	TRAK	____	RMVL	253	RR	YES	REMOVAL TRACK ALIGNMENT
C	ALGN	TRAK	GAGE	RMVL	253	RR	YES	REMOVAL GAUGE LINE, TRACK
C	ALGN	TRAK	SWCH	RMVL	253	RR	YES	REMOVAL POINT OF SWITCH
C	ALGN	TRAK	VERT	RMVL	253	RR	YES	REMOVAL TOP OF RAIL
C	ALGN	VERT	____	RMVL	253	CONTINUOUS	YES	REMOVAL TOP AT RAIL
ANNOTATION								
C	ANNO	TEXT	____	RMVL	253	CONTINUOUS	YES	REMOVAL MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TITL	____	RMVL	253	CONTINUOUS	YES	REMOVAL TITLES
DETAILS								
C	DETL	____	____	RMVL	253	CONTINUOUS	YES	REMOVAL DETAIL FEATURES
C	DETL	DIMS	____	RMVL	253	CONTINUOUS	YES	REMOVAL DETAIL DIMENSIONS
C	DETL	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL DETAIL NOTES AND ANNOTATIONS
GRADING								
C	GRAD	COGO	____	RMVL	253	CONTINUOUS	YES	REMOVAL GRADING COORDINATE GEOMETRY
C	GRAD	DIMS	____	RMVL	253	CONTINUOUS	YES	REMOVAL GRADING DIMENSIONS
C	GRAD	INDX	____	RMVL	253	CONTINUOUS	YES	REMOVAL INDEX CONTOURS
C	GRAD	INTR	____	RMVL	253	CONTINUOUS	YES	REMOVAL INTERMEDIATE CONTOURS
C	GRAD	LIMT	____	RMVL	253	CONTINUOUS	YES	REMOVAL LIMIT OF GRADING
C	GRAD	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL GRADING NOTES AND ANNOTATION
C	GRAD	SPOT	____	RMVL	253	CONTINUOUS	YES	REMOVAL SPOT ELEVATIONS

PAVEMENT MARKINGS								
C	MARK	AIRS	____	RMVL	253	CONTINUOUS	YES	REMOVAL PAVEMENT MARKINGS AIRSIDE
C	MARK	COGO	____	RMVL	253	CONTINUOUS	YES	REMOVAL PAVEMENT MARKING COORDINATE GEOMETRY
C	MARK	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL PAVEMENT MARKING NOTES AND ANNOTATION
C	MARK	PARK	____	RMVL	253	CONTINUOUS	YES	REMOVAL PAVEMENT MARKINGS PARKING
C	MARK	ROAD	____	RMVL	253	CONTINUOUS	YES	REMOVAL PAVEMENT MARKINGS ROADS
C	MARK	TEXT	____	RMVL	253	CONTINUOUS	YES	REMOVAL MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
PAVING								
C	PAVE	ASPH	____	RMVL	1	CONTINUOUS	YES	REMOVAL ROAD, PARKING LOT AND AIRSIDE
C	PAVE	BRDR	PATT	RMVL	1	CONTINUOUS	YES	REMOVAL PAVEMENT HATCH BORDERS
C	PAVE	COGO	____	RMVL	253	CONTINUOUS	YES	REMOVAL PAVING COORDINATE GEOMETRY DATA
C	PAVE	CONC	____	RMVL	1	CONTINUOUS	YES	REMOVAL ROAD, PARKING LOT AND AIRSIDE
C	PAVE	CURB	BACK	RMVL	253	CONTINUOUS	YES	REMOVAL BACK OF CURB
C	PAVE	CURB	FACE	RMVL	253	CONTINUOUS	YES	REMOVAL FACE OF CURB
C	PAVE	GRAV	____	RMVL	253	CONTINUOUS	YES	REMOVAL GRAVEL
C	PAVE	JBAR	____	RMVL	253	CONTINUOUS	YES	REMOVAL JERSEY BARRIERS
C	PAVE	JNTS	____	RMVL	253	CONTINUOUS	YES	REMOVAL EXPANSION JOINTS
C	PAVE	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL PAVING NOTES
PROFILES								
C	PROF	____	____	RMVL	253	CONTINUOUS	YES	REMOVAL PROFILE FEATURES
C	PROF	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL PROFILE NOTES AND ANNOTATIONS
C	PROF	TEXT	____	RMVL	253	CONTINUOUS	YES	REMOVAL MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	XING	____	RMVL	253	CONTINUOUS	YES	REMOVAL PROFILE UTILITY CROSSINGS
SECTIONS								
C	SECT	____	____	RMVL	253	CONTINUOUS	YES	REMOVAL SECTION FEATURES
C	SECT	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL SECTION NOTES AND ANNOTATIONS
SITE PLANS								
C	SITE	ABUT	____	RMVL	253	CONTINUOUS	YES	REMOVAL BRIDGE ABUTMENTS
C	SITE	BLDG	____	RMVL	253	CONTINUOUS	YES	REMOVAL BUILDINGS, SHEDS, MAJOR AND MINOR SITE FEATURES
C	SITE	BLDG	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL MINOR AND MAJOR SITE FEATURE TEXT
C	SITE	COGO	____	RMVL	253	CONTINUOUS	YES	REMOVAL SITEWORK COORDINATE GEOMETRY
C	SITE	FNCE	____	RMVL	253	CONTINUOUS	YES	REMOVAL FENCES AND BOLLARDS
C	SITE	FNDN	____	RMVL	253	CONTINUOUS	YES	REMOVAL FOUNDATIONS
C	SITE	GUID	____	RMVL	253	CONTINUOUS	YES	REMOVAL GUIDE RAILS
C	SITE	LAND	____	RMVL	253	CONTINUOUS	YES	REMOVAL LANDSCAPE FEATURES
C	SITE	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL SITE NOTES AND ANNOTATIONS
C	SITE	SIGN	____	RMVL	253	CONTINUOUS	YES	REMOVAL SIGNS
C	SITE	SIGN	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL SIGN TEXT
C	SITE	TICK	____	RMVL	7	CONTINUOUS	YES	REMOVAL TICK MARKS
C	SITE	WALL	____	RMVL	253	CONTINUOUS	YES	REMOVAL WALLS
UTILITIES								
C	UTIL	CB__	____	RMVL	253	CONTINUOUS	YES	REMOVAL CATCH BASINS
C	UTIL	CB__	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL CATCH BASIN TEXT

C	UTIL	COGO	____	RMVL	253	CONTINUOUS	YES	REMOVAL UTILITY COORDINATE GEOMETRY
C	UTIL	DIMS	____	RMVL	253	CONTINUOUS	YES	REMOVAL UTILITY DIMENSIONS
C	UTIL	FIRE	____	RMVL	253	HPW	YES	REMOVAL FIRE (HIGH PRESSURE WATER LINE)
C	UTIL	FIRE	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL FIRE (HIGH PRESSURE WATER LINE) TEXT
C	UTIL	FUEL	____	RMVL	253	FOS	YES	REMOVAL FUEL LINE
C	UTIL	FUEL	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL FUEL TEXT
C	UTIL	HYDR	____	RMVL	253	CONTINUOUS	YES	REMOVAL HYDRANTS
C	UTIL	HYDR	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL HYDRANTS TEXT
C	UTIL	MH__	____	RMVL	253	CONTINUOUS	YES	REMOVAL MANHOLES OTHER THAN SANITARY OR STORM
C	UTIL	MH__	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL MANHOLES TEXT
C	UTIL	NGAS	____	RMVL	253	G	YES	REMOVAL GAS LINE
C	UTIL	NGAS	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL GAS TEXT
C	UTIL	NOTE	____	RMVL	253	CONTINUOUS	YES	REMOVAL NOTES AND ANNOTATION
C	UTIL	SSMH	____	RMVL	253	CONTINUOUS	YES	REMOVAL SANITARY SEWER MANHOLES
C	UTIL	SSWR	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL SANITARY SEWER MANHOLES TEXT
C	UTIL	SSWR	____	RMVL	253	SAN	YES	REMOVAL SANITARY SEWER
C	UTIL	SSWR	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL SANITARY SEWER TEXT
C	UTIL	STEM	HPRS	RMVL	253	HPS	YES	REMOVAL HIGH PRESSURE STEAM LINE
C	UTIL	STEM	LPRS	RMVL	253	LPS	YES	REMOVAL LOW PRESSURE STEAM LINE
C	UTIL	STEM	MPRS	RMVL	253	MPS	YES	REMOVAL MEDIUM PRESSURE STEAM LINE
C	UTIL	STEM	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL STEAM TEXT
C	UTIL	STRM	____	RMVL	253	ST	YES	REMOVAL STORM DRAINAGE LINE
C	UTIL	STRM	CB__	RMVL	253	CONTINUOUS	YES	REMOVAL STORM DRAINAGE CATCH BASINS
C	UTIL	STRM	MH__	RMVL	253	CONTINUOUS	YES	REMOVAL STORM DRAINAGE MANHOLES
C	UTIL	STRM	SD__	RMVL	253	CONTINUOUS	YES	REMOVAL SUB-DRAIN
C	UTIL	STRM	TEXT	RMVL	253	CONTINUOUS	YES	REMOVAL STORM DRAINAGE TEXT
C	UTIL	WATR	COLD	RMVL	253	CW	YES	REMOVAL COLD WATER LINE
C	UTIL	WATR	HOTW	RMVL	253	HWS	YES	REMOVAL HOT WATER LINE
C	UTIL	WATR	HPRS	RMVL	253	HPW	YES	REMOVAL HIGH PRESSURE WATER LINE
C	UTIL	WATR	LPRS	RMVL	253	LPS	YES	REMOVAL LOW PRESSURE WATER LINE
C	UTIL	WATR	MPRS	RMVL	253	MPS	YES	REMOVAL MEDIUM PRESSURE WATER LINE
C	UTIL	WATR	TEXT	RMVL	253	C	YES	REMOVAL WATER TEXT

6.17.2.6 Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ALIGNMENT								
C	ALGN	BRNG	____	TEMP	253	CONTINUOUS	YES	TEMPORARY BEARINGS

C	ALGN	COGO	____	TEMP	253	CONTINUOUS	YES	TEMPORARY COORDINATE GEOMETRY INFORMATION
C	ALGN	CRVE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY CURVE NUMBERS
C	ALGN	DIMS	____	TEMP	253	CONTINUOUS	YES	TEMPORARY ALIGNMENT DIMENSIONS
C	ALGN	GAGE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY GAUGE LINE, TRACK
C	ALGN	HOR_	EDGE	TEMP	253	CONTINUOUS	YES	TEMPORARY ROAD/TAXIWAY/RUNWAY EDGE ALIGNMENTS
C	ALGN	HOR_	TEMP	TEMP	253	CONTINUOUS	YES	TEMPORARY CENTERLINE, HORIZONTAL ALIGNMENT
C	ALGN	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY ALIGNMENT ANNOTATIONS AND NOTES
C	ALGN	PCPT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PC/PT/PCC/PRC/POC BUBBLES AND TEXT
C	ALGN	PROF	GRID	TEMP	253	CONTINUOUS	YES	TEMPORARY PROFILE GRID
C	ALGN	PROP	____	TEMP	253	PHANTOM2	YES	TEMPORARY PROPERTY LINES AND TEXT
C	ALGN	ROWL	____	TEMP	253	PHANTOM	YES	TEMPORARY RIGHT OF WAY LINES AND TEXT
C	ALGN	STAT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY ALIGNMENT STATIONS AND TEXT
C	ALGN	SWCH	____	TEMP	253	CONTINUOUS	YES	TEMPORARY POINT OF SWITCH
C	ALGN	TPRD	____	TEMP	253	CONTINUOUS	YES	TEMPORARY ROAD ALIGNMENTS
C	ALGN	TRAK	____	TEMP	253	RR	YES	TEMPORARY TRACK ALIGNMENT
C	ALGN	TRAK	GAGE	TEMP	253	RR	YES	TEMPORARY GAUGE LINE, TRACK
C	ALGN	TRAK	SWCH	TEMP	253	RR	YES	TEMPORARY POINT OF SWITCH
C	ALGN	TRAK	VERT	TEMP	253	RR	YES	TEMPORARY TOP OF RAIL
C	ALGN	VERT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY TOP AT RAIL
ANNOTATION								
C	ANNO	TEXT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TITL	____	TEMP	253	CONTINUOUS	YES	TEMPORARY TITLES
DETAILS								
C	DETL	____	____	TEMP	253	CONTINUOUS	YES	TEMPORARY DETAIL FEATURES
C	DETL	DIMS	____	TEMP	253	CONTINUOUS	YES	TEMPORARY DETAIL DIMENSIONS
C	DETL	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY DETAIL NOTES AND ANNOTATIONS
GRADING								
C	GRAD	COGO	____	TEMP	253	CONTINUOUS	YES	TEMPORARY GRADING COORDINATE GEOMETRY
C	GRAD	DIMS	____	TEMP	253	CONTINUOUS	YES	TEMPORARY GRADING DIMENSIONS
C	GRAD	INDX	____	TEMP	253	CONTINUOUS	YES	TEMPORARY INDEX CONTOURS
C	GRAD	INTR	____	TEMP	253	CONTINUOUS	YES	TEMPORARY INTERMEDIATE CONTOURS
C	GRAD	LIMT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY LIMIT OF GRADING
C	GRAD	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY GRADING NOTES AND ANNOTATION
C	GRAD	SPOT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY SPOT ELEVATIONS
PAVEMENT MARKINGS								
C	MARK	AIRS	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVEMENT MARKINGS AIRSIDE
C	MARK	COGO	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVEMENT MARKING COORDINATE GEOMETRY
C	MARK	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVEMENT MARKING NOTES AND ANNOTATION
C	MARK	PARK	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVEMENT MARKINGS PARKING
C	MARK	ROAD	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVEMENT MARKINGS ROADS
C	MARK	TEXT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
PAVING								
C	PAVE	ASPH	____	TEMP	253	CONTINUOUS	YES	TEMPORARY ROAD, PARKING LOT AND AIRSIDE

C	PAVE	BRDR	PATT	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVEMENT HATCH BORDERS
C	PAVE	COGO	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVING COORDINATE GEOMETRY DATA
C	PAVE	CONG	____	TEMP	253	CONTINUOUS	YES	TEMPORARY ROAD, PARKING LOT AND AIRSIDE
C	PAVE	CURB	BACK	TEMP	253	CONTINUOUS	YES	TEMPORARY BACK OF CURB
C	PAVE	CURB	FACE	TEMP	253	CONTINUOUS	YES	TEMPORARY FACE OF CURB
C	PAVE	GRAV	____	TEMP	253	CONTINUOUS	YES	TEMPORARY GRAVEL
C	PAVE	JBAR	____	TEMP	253	CONTINUOUS	YES	TEMPORARY JERSEY BARRIERS
C	PAVE	JNTS	____	TEMP	253	CONTINUOUS	YES	TEMPORARY EXPANSION JOINTS
C	PAVE	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PAVING NOTES
PROFILES								
C	PROF	____	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PROFILE FEATURES
C	PROF	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PROFILE NOTES AND ANNOTATIONS
C	PROF	TEXT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	XING	____	TEMP	253	CONTINUOUS	YES	TEMPORARY PROFILE UTILITY CROSSINGS
SECTIONS								
C	SECT	____	____	TEMP	253	CONTINUOUS	YES	TEMPORARY SECTION FEATURES
C	SECT	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY SECTION NOTES AND ANNOTATIONS
SITE PLANS								
C	SITE	ABUT	____	TEMP	253	CONTINUOUS	YES	TEMPORARY BRIDGE ABUTMENTS
C	SITE	BLDG	____	TEMP	253	CONTINUOUS	YES	TEMPORARY BUILDINGS, SHEDS, MAJOR AND MINOR SITE FEATURES
C	SITE	BLDG	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY MINOR AND MAJOR SITE FEATURE TEXT
C	SITE	COGO	____	TEMP	253	CONTINUOUS	YES	TEMPORARY SITEWORK COORDINATE GEOMETRY
C	SITE	FNCE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY FENCES AND BOLLARDS
C	SITE	FNDN	____	TEMP	253	CONTINUOUS	YES	TEMPORARY FOUNDATIONS
C	SITE	GUID	____	TEMP	253	CONTINUOUS	YES	TEMPORARY GUIDE RAILS
C	SITE	LAND	____	TEMP	253	CONTINUOUS	YES	TEMPORARY LANDSCAPE FEATURES
C	SITE	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY SITE NOTES AND ANNOTATIONS
C	SITE	SIGN	____	TEMP	253	CONTINUOUS	YES	TEMPORARY SIGNS
C	SITE	SIGN	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY SIGN TEXT
C	SITE	TICK	____	TEMP	253	CONTINUOUS	YES	TEMPORARY TICK MARKS
C	SITE	WALL	____	TEMP	253	CONTINUOUS	YES	TEMPORARY WALLS
UTILITIES								
C	UTIL	CB__	____	TEMP	253	CONTINUOUS	YES	TEMPORARY CATCH BASINS
C	UTIL	CB__	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY CATCH BASIN TEXT
C	UTIL	COGO	____	TEMP	253	CONTINUOUS	YES	TEMPORARY UTILITY COORDINATE GEOMETRY
C	UTIL	DIMS	____	TEMP	253	CONTINUOUS	YES	TEMPORARY UTILITY DIMENSIONS
C	UTIL	FIRE	____	TEMP	253	HPW	YES	TEMPORARY FIRE (HIGH PRESSURE WATER LINE)
C	UTIL	FIRE	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY FIRE (HIGH PRESSURE WATER LINE) TEXT
C	UTIL	FUEL	____	TEMP	253	FOS	YES	TEMPORARY FUEL LINE
C	UTIL	FUEL	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY FUEL TEXT
C	UTIL	HYDR	____	TEMP	253	CONTINUOUS	YES	TEMPORARY HYDRANTS
C	UTIL	HYDR	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY HYDRANTS TEXT
C	UTIL	MH__	____	TEMP	253	CONTINUOUS	YES	TEMPORARY MANHOLES OTHER THAN SANITARY OR STORM

C	UTIL	MH__	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY MANHOLES TEXT
C	UTIL	NGAS	____	TEMP	253	G	YES	TEMPORARY GAS LINE
C	UTIL	NGAS	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY GAS TEXT
C	UTIL	NOTE	____	TEMP	253	CONTINUOUS	YES	TEMPORARY NOTES AND ANNOTATION
C	UTIL	SSMH	____	TEMP	253	CONTINUOUS	YES	TEMPORARY SANITARY SEWER MANHOLES
C	UTIL	SSMH	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY SANITARY SEWER MANHOLES TEXT
C	UTIL	SSWR	____	TEMP	253	SAN	YES	TEMPORARY SANITARY SEWER
C	UTIL	SSWR	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY SANITARY SEWER TEXT
C	UTIL	STEM	HPRS	TEMP	253	HPS	YES	TEMPORARY HIGH PRESSURE STEAM LINE
C	UTIL	STEM	LPRS	TEMP	253	LPS	YES	TEMPORARY LOW PRESSURE STEAM LINE
C	UTIL	STEM	MPRS	TEMP	253	MPS	YES	TEMPORARY MEDIUM PRESSURE STEAM LINE
C	UTIL	STEM	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY STEAM TEXT
C	UTIL	STRM	____	TEMP	253	ST	YES	TEMPORARY STORM DRAINAGE LINE
C	UTIL	STRM	CB__	TEMP	253	CONTINUOUS	YES	TEMPORARY STORM DRAINAGE CATCH BASINS
C	UTIL	STRM	MH__	TEMP	253	CONTINUOUS	YES	TEMPORARY STORM DRAINAGE MANHOLES
C	UTIL	STRM	SD__	TEMP	253	CONTINUOUS	YES	TEMPORARY SUB-DRAIN
C	UTIL	STRM	TEXT	TEMP	253	CONTINUOUS	YES	TEMPORARY STORM DRAINAGE TEXT
C	UTIL	WATR	COLD	TEMP	253	CW	YES	TEMPORARY COLD WATER LINE
C	UTIL	WATR	HOTW	TEMP	253	HWS	YES	TEMPORARY HOT WATER LINE
C	UTIL	WATR	HPRS	TEMP	253	HPW	YES	TEMPORARY HIGH PRESSURE WATER LINE
C	UTIL	WATR	LPRS	TEMP	253	LPS	YES	TEMPORARY LOW PRESSURE WATER LINE
C	UTIL	WATR	MPRS	TEMP	253	MPS	YES	TEMPORARY MEDIUM PRESSURE WATER LINE
C	UTIL	WATR	TEXT	TEMP	253	C	YES	TEMPORARY WATER TEXT

6.17.2.7 Civil 3D

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
C	ALGN	BRNG	____	C3D_	131	CONTINUOUS	YES	BEARINGS
C	ALGN	DSPD	____	C3D_	1	CONTINUOUS	YES	ALIGNMENT DESIGN SPEED
C	ALGN	HOR_	____	C3D_	131	CENTER2	YES	ROAD/TAXIWAY/RUNWAY EDGE ALIGNMENTS
C	ALGN	HOR_	____	EC3D	250	CENTER2	YES	EXISTING ALIGNMENT
C	ALGN	PCPT	____	C3D_	100	CONTINUOUS	YES	PC/PT/PCC/PRC/POC BUBBLES AND TEXT
C	ALGN	PCPT	____	EC3D	250	CONTINUOUS	YES	EXISTING PC/PT/PCC/PRC/POC
C	ALGN	STAT	____	C3D_	100	CONTINUOUS	YES	ALIGNMENT STATIONS AND TEXT
C	ALGN	TABL	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D OBJECT TABLE
C	ALGN	TEXT	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D OBJECT TEXT
C	ALGN	TEXT	____	EC3D	7	CONTINUOUS	YES	CIVIL 3D OBJECT TEXT
C	ALGN	THEO	____	C3D_	1	CONTINUOUS	YES	ALIGNMENT THEORETIC

C	ALGN	TPRD	____	C3D_	131	CONTINUOUS	YES	TEMPORARY ROAD ALIGNMENTS
C	ANNO	COGO	____	C3D_	252	CONTINUOUS	YES	COORDINATE GEOMETRY INFORMATION
C	ANNO	COGO	TEXT	C3D_	6	CONTINUOUS	YES	COORDINATE GEOMETRY LABEL
C	ANNO	COGO	TEXT	C3D_	3	CONTINUOUS	YES	COORDINATE GEOMETRY LABEL ALTERNATE
C	ANNO	COGO	TEXT	EC3D	1	CONTINUOUS	YES	EXISTING COORDINATE GEOMETRY LABEL
C	ANNO	LGND	____	C3D_	100	CONTINUOUS	YES	LEGEND ITEMS
C	ANNO	LGND	PATT	C3D_	9	CONTINUOUS	YES	LEGEND ITEMS PATTERN
C	ANNO	MTCH	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D MATCH LINE
C	ANNO	MTCH	TEXT	C3D_	121	CONTINUOUS	YES	CIVIL 3D MATCH LINE LABEL
C	ANNO	TABL	____	C3D_	100	CONTINUOUS	YES	GENERAL ANNOTATION TABLE
C	ANNO	TEXT	____	C3D_	100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TEXT	____	EC3D	250	CONTINUOUS	YES	EXISTING TEXT & CALLOUTS WITH ASSOC. LEADERLINES
C	ANNO	TITL	____	C3D_	172	CONTINUOUS	YES	TITLES
C	ANNO	VFRM	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D VIEW FRAME
C	ANNO	VFRM	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D VIEW FRAME LABEL
C	ANNO	VPRT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D SHEET
C	BLDG	SITE	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D BUILD SITE
C	CORR	____	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D CORRIDOR MODEL
C	ELEC	PIPE	____	C3D_	121	CENTER2	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT
C	ELEC	PIPE	CNTR	C3D_	1	CENTER2	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT CENTERLINE
C	ELEC	PIPE	PATT	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT WALL HATCH PATTERN
C	ELEC	PIPE	XING	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT CROSSING
C	ELEC	STRC	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL STRUCTURE
C	ELEC	STRC	PATT	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL STRUCTURE HATCH PATTERN
C	ELEC	TEXT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D ELECTRICAL OBJECT LABEL
C	GRAD	CLBL	____	C3D_	12	CONTINUOUS	YES	
C	GRAD	FEAT	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D FEATURE LINE
C	GRAD	FHAL	____	C3D_	92	CONTINUOUS	YES	MASS HAUL FREE HAUL
C	GRAD	FHAL	PATT	C3D_	172	CONTINUOUS	YES	MASS HAUL FREE HAUL PATTERN
C	GRAD	GRID	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D GRID SURFACE
C	GRAD	GRID	TEXT	C3D_	131	CONTINUOUS	YES	CIVIL 3D GRID SURFACE LABEL
C	GRAD	INDX	____	C3D_	220	CONTINUOUS	YES	SURFACE INDEX CONTOURS
C	GRAD	INDX	____	EC3D	253	HIDDEN2	YES	EXISTING SURFACE INDEX CONTOURS
C	GRAD	INTR	____	C3D_	92	CONTINUOUS	YES	SURFACE INTERMEDIATE CONTOURS
C	GRAD	INTR	____	EC3D	251	HIDDEN2	YES	EXISTING SURFACE INTERMEDIATE CONTOURS
C	GRAD	LIMT	____	C3D_	13	CONTINUOUS	YES	LIMIT OF GRADING
C	GRAD	MHAL	____	C3D_	12	CONTINUOUS	YES	MASS HAUL
C	GRAD	OBJ_	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D GRADING OBJECT
C	GRAD	OBJ_	CUT_	C3D_	200	CONTINUOUS	YES	CIVIL 3D GRADING CUT MATERIAL
C	GRAD	OBJ_	CUT_	PATT	200	CONTINUOUS	YES	CIVIL 3D GRADING CUT MATERIAL PATTERN
C	GRAD	OBJ_	FILL	C3D_	1	CONTINUOUS	YES	CIVIL 3D GRADING FILL MATERIAL
C	GRAD	OBJ_	FILL	PATT	1	CONTINUOUS	YES	CIVIL 3D GRADING FILL MATERIAL PATTERN
C	GRAD	OBJ_	PATT	C3D_	92	CONTINUOUS	YES	CIVIL 3D GRADING PATTERN

C	GRAD	OHAL	PATT	C3D_	100	CONTINUOUS	YES	MASS HAUL OVER HAUL PATTERN
C	GRAD	PNTS	____	C3D_	12	CONTINUOUS	YES	SPOT ELEVATION POINT MARKER
C	GRAD	SCTN	____	C3D_	12	CONTINUOUS	YES	GRADING SECTION
C	GRAD	SLOP	____	C3D_	12	CONTINUOUS	YES	SURFACE SLOPE
C	GRAD	SPOT			11	CONTINUOUS	YES	SPOT ELEVATION POINT MARKER
C	GRAD	SPOT	____	C3D_	100	CONTINUOUS	YES	SPOT ELEVATION
C	GRAD	SPOT	____	EC3D	250	CONTINUOUS	YES	EXISTING SURFACE SPOT ELEVATION
C	GRAD	SPOT	____	EXIST	252	CONTINUOUS	TRUE	EXISTING SPOT ELEVATION
C	GRAD	SPOT	____	NEW_	3	CONTINUOUS	TRUE	NEW SPOT ELEVATION
C	GRAD	TEXT	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D GRADING LABEL
C	GRAD	TIN_	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D SURFACE TIN
C	GRAD	TIN_	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D SURFACE TIN LABEL
C	GRAD	TINL	____	C3D_	13	CONTINUOUS	YES	SURFACE TIN LINE
C	GRAD	USER	____	C3D_	12	CONTINUOUS	YES	SURFACE USER DEFINED CONTOUR
C	GRAD	WSHD	____	C3D_	13	CONTINUOUS	YES	SURFACE WATERSHED
C	INTR	____	____	C3D_	1	CONTINUOUS	YES	INTERMEDIATE CONTOURS
C	INTR	TEXT	____	C3D_	100	CONTINUOUS	YES	INTERMEDIATE CONTOURS LABEL
C	PROF	____	____	C3D_	131	CONTINUOUS	YES	PROFILE FEATURES
C	PROF	____	____	EC3D	1	HIDDEN2	YES	EXISTING PROFILE FEATURES
C	PROF	EGL_	____	C3D_	172	CONTINUOUS	YES	ENERGY GRADE LINE
C	PROF	GRID	____	C3D_	250	CONTINUOUS	YES	PROFILE VIEW GRID LINE
C	PROF	GRID	CUT_	C3D_	1	CONTINUOUS	YES	PROFILE VIEW CUT
C	PROF	GRID	FILL	C3D_	130	CONTINUOUS	YES	PROFILE VIEW FILL
C	PROF	HGL_	____	C3D_	100	DASHED	YES	HIGH GRADE LINE
C	PROF	OFST	____	C3D_	92	DASHED	YES	OFFSET PROFILE
C	PROF	PIPE	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D PIPE AND STRUCTURE IN PROFILE
C	PROF	SUPR	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D SUPER
C	PROF	TEXT	____	C3D_	100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	TEXT	____	EC3D	252	CONTINUOUS	YES	EXISTING TEXT & CALLOUTS WITH ASSOC. LEADER LINES
C	PROF	THEO	____	C3D_	1	CONTINUOUS	YES	THEORETIC PROFILE FEATURE
C	PROF	VIEW	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D PROFILE VIEW
C	PROF	VIEW	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D PROFILE VIEW LABEL
C	SECT	____	____	C3D_	172	CONTINUOUS	YES	SECTION FEATURES
C	SECT	____	____	EC3D	1	HIDDEN2	YES	EXISTING SECTION FEATURES
C	SECT	ASSY	____	C3D_	250	CONTINUOUS	YES	CIVIL 3D SECTION SUBASSEMBLY
C	SECT	GRID	____	C3D_	250	CONTINUOUS	YES	SECTION VIEW GRID LINE
C	SECT	PIPE	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D PIPE AND STRUCTURE IN SECTION VIEW
C	SECT	SMPL	____	C3D_	131	CONTINUOUS	YES	SECTION SAMPLE LINE ALONG ALIGNMENT
C	SECT	SMPL	TEXT	C3D_	100	CONTINUOUS	YES	SECTION SAMPLE LINE
C	SECT	SMPL	VRTX	C3D_	92	CONTINUOUS	YES	SECTION SAMPLE VERTEX
C	SECT	TEXT	____	C3D_	100	CONTINUOUS	YES	SECTION LABEL
C	SECT	VIEW	QTO_	C3D_	131	CONTINUOUS	YES	CIVIL 3D QUANTITIES IN SECTION VIEW
C	SECT	VIEW	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D SECTION VIEW LABELS

C	SECT	VRTX	____	C3D_	1	CONTINUOUS	YES	SECTION VERTEX
C	SECT	VRTX	____	EC3D	1	CONTINUOUS	YES	EXISTING SECTION VERTEX
C	SECT	XING	____	C3D_	1	CENTER2	YES	SECTION CROSSING
C	SECT	XING	____	EC3D	250	CENTER2	YES	EXISTING SECTION CROSSING
C	SECT	XING	OFST	C3D_	1	CENTER2	YES	SECTION CROSSING OFFSET
C	SITE	CORR	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D CORRIDOR MODEL
C	SITE	CORR	INTR	C3D_	131	CONTINUOUS	YES	CIVIL 3D CORRIDOR INTERSECTION MODEL
C	SITE	CORR	SECT	C3D_	121	CONTINUOUS	YES	CIVIL 3D CORRIDOR SECTION
C	SITE	CORR	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D CORRIDOR LABEL
C	SITE	CTCH	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D CATCHMENT AREA
C	SITE	CTCH	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D CATCHMENT AREA LABEL
C	SITE	FIGR	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D SURVEY FIGURE GEOMETRY
C	SITE	HAUL	LINE	C3D_	121	CONTINUOUS	YES	CIVIL 3D MASS HAUL LINE
C	SITE	HAUL	VIEW	C3D_	100	CONTINUOUS	YES	CIVIL 3D MASS HAUL VIEW
C	SITE	MTRL	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D MASS HAUL LABEL
C	SITE	MTRL	TABL	C3D_	121	CONTINUOUS	YES	CIVIL 3D MATERIALS TABLE
C	SITE	NTWK	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D SURVEY NETWORK
C	SITE	PROP	____	C3D_	7	CONTINUOUS	YES	CIVIL 3D SITE PARCEL
C	SITE	PROP	LINE	C3D_	131	CONTINUOUS	YES	CIVIL 3D SITE PARCEL LINE
C	SITE	PROP	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D SITE PARCEL LABEL
C	SSWR	PIPE	____	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM PIPE
C	SSWR	PIPE	CNTR	C3D_	1	CENTER2	YES	SANITARY SEWER SYSTEM PIPE CENTERLINE
C	SSWR	PIPE	PATT	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM PIPE WALL
C	SSWR	PIPE	XING	C3D_	121	CONTINUOUS	YES	SANITARY SEWER SYSTEM PIPE CROSSING
C	SSWR	STRC	____	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM STRUCTURE
C	SSWR	STRC	PATT	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM STRUCTURE PATTERN
C	SSWR	TEXT	____	C3D_	100	CONTINUOUS	YES	SANITARY SEWER SYSTEM LABEL
C	STRM	PIPE	____	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM PIPE
C	STRM	PIPE	CNTR	C3D_	1	CENTER2	YES	STORM SEWER SYSTEM PIPE CENTERLINE
C	STRM	PIPE	PATT	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM PIPE WALL PATTERN
C	STRM	PIPE	XING	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM PIPE CROSSING
C	STRM	STRC	____	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM STRUCTURE
C	STRM	STRC	PATT	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM STRUCTURE PATTERN
C	STRM	TEXT	____	C3D_	100	CONTINUOUS	YES	STORM SEWER SYSTEM LABEL
C	UTIL	INTF	CHCK	C3D_	10	CONTINUOUS	YES	CIVIL 3D UTILITY INTERFERENCE CHECK
C	UTIL	POBJ	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D PIPE UTILITY OBJECT
C	UTIL	PTXT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D PIPE UTILITY LABEL
C	UTIL	SOBJ	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D STRUCTURE UTILITY OBJECT
C	UTIL	STXT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D STRUCTURE UTILITY LABEL
C	UTIL	XING	TEXT	C3D_	121	CONTINUOUS	YES	UTILITY SYSTEM CROSSING LABEL
C	WATR	PIPE	____	C3D_	121	CONTINUOUS	YES	WATER SYSTEM PIPE
C	WATR	PIPE	CNTR	C3D_	1	CENTER2	YES	WATER SYSTEM PIPE CENTERLINE
C	WATR	PIPE	PATT	C3D_	121	CONTINUOUS	YES	WATER SYSTEM PIPE WALL PATTERN

C	WATR	PIPE	XING	C3D_	121	CONTINUOUS	YES	WATER SYSTEM PIPE CROSSING
C	WATR	STRC	____	C3D_	121	CONTINUOUS	YES	WATER SYSTEM STRUCTURE
C	WATR	STRC	PATT	C3D_	121	CONTINUOUS	YES	WATER SYSTEM STRUCTURE PATTERN
C	WATR	TEXT	____	C3D_	100	CONTINUOUS	YES	WATER SYSTEM LABEL
E	UGND	COMM	____	C3D_	3	CENTER2	YES	UNDERGROUND ELECTRICAL
E	UGND	COMM	C3D_		3	UGC	YES	UNDERGROUND ELECTRICAL
E	UGND	COMM	CNTR	C3D_	3	CENTER2	YES	UNDERGROUND ELECTRICAL CENTERLINE
E	UGND	COMM	PATT	C3D_	3	CONTINUOUS	YES	UNDERGROUND ELECTRICAL PATTERN
E	UGND	COMM	XING	C3D_	121	CONTINUOUS	YES	UNDERGROUND ELECTRICAL CROSSING
E	UGND	POWR	____	C3D_	142	CENTER2	YES	UNDERGROUND POWER
E	UGND	POWR	C3D_		142	UGC	YES	UNDERGROUND POWER
E	UGND	POWR	CNTR	C3D_	142	CENTER2	YES	UNDERGROUND POWER CENTERLINE
E	UGND	POWR	PATT	C3D_	1	CONTINUOUS	YES	UNDERGROUND POWER PATTERN
E	UGND	POWR	TEXT	C3D_	100	CONTINUOUS	YES	UNDERGROUND POWER TEXT
E	UGND	POWR	XING	C3D_	142	CONTINUOUS	YES	UNDERGROUND POWER CROSSING
E	UGND	STRC	COMM	C3D_	170	CONTINUOUS	YES	UNDERGROUND STORM SEWER SYSTEM STRUCTURE COMMUNICATION
E	UGND	STRC	PATT	C3D_	121	CONTINUOUS	YES	UNDERGROUND STORM SEWER SYSTEM STRUCTURE PATTERN
E	UGND	STRC	POWR	C3D_	121	CONTINUOUS	YES	UNDERGROUND STORM SEWER SYSTEM STRUCTURE POWER
E	UGND	TEXT	____	C3D_	100	CONTINUOUS	YES	UNDERGROUND ELECTRICAL LABEL
V	PNTS	ABAN			7	CONTINUOUS	YES	
V	PNTS	BLDG			7	CONTINUOUS	YES	
V	PNTS	CTRL			7	CONTINUOUS	YES	
V	PNTS	ENVR	BORE		7	CONTINUOUS	YES	
V	PNTS	ENVR	MISC		7	CONTINUOUS	YES	
V	PNTS	ENVR	SETP		7	CONTINUOUS	YES	
V	PNTS	ENVR	WETL		5	CONTINUOUS	YES	
V	PNTS	GNRL			7	CONTINUOUS	YES	
V	PNTS	HYPS			7	CONTINUOUS	YES	
V	PNTS	MARK			5	CONTINUOUS	YES	
V	PNTS	PAVE			7	CONTINUOUS	YES	
V	PNTS	RLRD	ELEC		1	CONTINUOUS	YES	
V	PNTS	RLRD	MISC		7	CONTINUOUS	YES	
V	PNTS	RLRD	PTOF		1	CONTINUOUS	YES	
V	PNTS	RLRD	PTOS		7	CONTINUOUS	YES	
V	PNTS	SIGN			7	CONTINUOUS	YES	
V	PNTS	SITE			7	CONTINUOUS	YES	
V	PNTS	SITE	FENC		7	CONTINUOUS	YES	
V	PNTS	SITE	GRID		8	CONTINUOUS	YES	
V	PNTS	SITE	MISC		7	CONTINUOUS	YES	
V	PNTS	SITE	MRSH		5	CONTINUOUS	YES	
V	PNTS	SITE	VEGE		84	CONTINUOUS	YES	
V	PNTS	TEXT			7	CONTINUOUS	YES	
V	PNTS	UTIL			7	CONTINUOUS	YES	

V	PNTS	UTIL	AIRL		7	CONTINUOUS	YES	
V	PNTS	UTIL	CHIL		5	CONTINUOUS	YES	
V	PNTS	UTIL	COMB		3	CONTINUOUS	YES	
V	PNTS	UTIL	COMM		30	CONTINUOUS	YES	
V	PNTS	UTIL	DRAN		3	CONTINUOUS	YES	
V	PNTS	UTIL	ELEC		1	CONTINUOUS	YES	
V	PNTS	UTIL	FOAM		5	CONTINUOUS	YES	
V	PNTS	UTIL	FUEL		2	CONTINUOUS	YES	
V	PNTS	UTIL	NGAS		2	CONTINUOUS	YES	
V	PNTS	UTIL	POLE		7	CONTINUOUS	YES	
V	PNTS	UTIL	SSWR		84	CONTINUOUS	YES	
V	PNTS	UTIL	STEM		7	CONTINUOUS	YES	
V	PNTS	UTIL	TDSL		6	CONTINUOUS	YES	
V	PNTS	UTIL	UKWN		7	CONTINUOUS	YES	
V	PNTS	UTIL	WATR		4	CONTINUOUS	YES	
V	UTIL	AIRL			5	AIR	YES	
V	UTIL	CCTV			42	COMM_TV	YES	
V	UTIL	CFAA			42	COMM_FAA	YES	
V	UTIL	CFIR			42	COMM_FIRE	YES	
V	UTIL	CFOC			31	FOC	YES	
V	UTIL	CHIL			5	CHW	YES	
V	UTIL	COMB			80	COMB	YES	
V	UTIL	COMM			42	COMM	YES	
V	UTIL	CSEC			42	COMM_SEC	YES	
V	UTIL	CTEL			42	COMM_TELE	YES	
V	UTIL	CTRF			42	COMM_TRAF	YES	
V	UTIL	DRAN			80	DRAIN	YES	
V	UTIL	EL05			202	5KV	YES	
V	UTIL	EL13			202	13.8KV	YES	
V	UTIL	EL27			202	27KV	YES	
V	UTIL	ELEC			1	ELEC	YES	
V	UTIL	FLDI			61	DSL	YES	
V	UTIL	FLGS			61	GSL	YES	
V	UTIL	FLJT			61	JET	YES	
V	UTIL	FLPG			61	PPG	YES	
V	UTIL	FOAM			5	FOAM	YES	
V	UTIL	FUEL			61	FUEL	YES	
V	UTIL	NGAS			61	GAS	YES	
V	UTIL	OHWR			42	OHW	YES	
V	UTIL	SSWR			96	SAN	YES	
V	UTIL	STEM			130	STEAM	YES	
V	UTIL	TDSL			5	TDS	YES	
V	UTIL	UKWN			9	UNK	YES	

V	UTIL	WAHP			5	HPW	YES	
V	UTIL	WALP			5	LPW	YES	
V	UTIL	WAMP			5	MPW	YES	
V	UTIL	WATR			5	WATER	YES	
V	UTIL	WATR	PATT		5	CONTINUOUS	YES	DOMESTIC WATER LINE PATTERN

6.17.3 Linetypes

Name	Description	Example
C	Communication Line (1x)	C C C C
Continuous	Continuous	
CW	Cold Water Line (1x)	CW CW
DASHED	Dashed (1x)	
DIVIDE	Divide (1x)	
FOS	Fuel Line (1x)	FOS FOS
G	Gas Line (1)	G G G
HPS	High Pressure Steam Line (1x)	HPS HPS
HPW	High Pressure Water Line (1x)	HPW HPW
HWS	Hot Water Line (1x)	HWS HWS
LPS	Low Pressure Water Line (1x)	LPS LPS
MPS	Medium Pressure Water Line (1x)	MPS MPS
PHANTOM	Phantom (1x)	
PHANTOM2	Phantom (0.5x)	
RR	Rail Road (1x)	
SAN	Sanitary Sewer Line (1x)	SAN SAN
ST	Storm Drainage Line (1x)	ST ST

6.17.4 Symbols

6.17.4.1 Drafting Conventions

Symbol	Block Name	Layer Name	Description
	civ-CALLOUT.dwg	Varies	Callout for Plans
	civ-DET-SYMB.dwg	Varies	Detail Symbol for Plans
	CS_CURVE.dwg	C-ALGN-CRVE	Curve Number Label
	CS_FG-POINT.dwg	C-GRAD-SPOT	Finished Grade Spot Elevation
	CS_GRID.dwg	C-ANNO-COGO-GRID	Cogo Grid Tick
	CS_PC.dwg	C-ALGN-CRVE	Bubble
	CS_PITO.dwg	C-ALGN-CRVE	Revision Triangle
	CS_PS.dwg	C-ALGN-CRVE	Grid Bubble
	CS_REMTIC.dwg	C-RMVL-TICK	Removal Tic
	CS_SECMARK1.dwg	C-PAVE-SECT	Section Marker for Plans
	CS_SECMARK2.dwg	C-PAVE-SECT	Section Marker for Plans
	CS_TWEDMKR.dwg	C-MARK-AIRS	Taxiway Edge Marker

	FG-POINT.dwg	C-GRAD-SPOT	Finished Grade Spot Elevation
	POINT (old).DWG	C-GRAD-SPOT	Finished Grade Spot Elevation (Old)
	Sec1.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Sec2.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Sec3.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Sec4.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Sec5.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Sec6.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Sec7.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Sec8.dwg	C-ANNO-SYMB	Section, Detail, Elev. Callout
	Section Title.dwg	C-ANNO-SYMB	Section Title

6.17.4.2 Utilities

Symbol	Block Name	Layer Name	Description
	CS_CB.dwg	C-UTIL-CBSN	Catch Basin

	CS-CBADJ.dwg	C-UTIL-CBSN	Adjust Removal Catch Basin
	CS_CB-MH.dwg	C-UTIL-MANH	Convert Removal Catch Basin to Manhole
	CS_EBOX.dwg	C-UTIL-MANH	Adjusted Electrical Box/Hand Hole
	CS_FLOW.dwg	(Layer is Same as it is for Utility Pipe)	Flow Arrow
	CS_HYD.dwg	C-UTIL-HYDR	Utility Hydrant
	CS_MH.dwg	C-UTIL-MANH	Manhole
	CS_MGADJ.dwg	C-UTIL-MANH	Adjust Removal Manhole
	CS_PIPEPLUG.dwg	C-UTIL-STRM	Pipe Plug
	CS_VALVE.dwg	(Layer is Same as it is for Utility Pipe)	Utility Line Valve

6.17.5 Civil 3D

This Section Is Under Construction

6.17.5.1 DATA SHORTCUTS (NY-NJ Port Authority Civil 3D Object Sharing)

Most AutoCAD users are familiar with referencing techniques for sharing drawing information, such as XREF, wblock, import and attach. Civil 3D uses intelligent objects, such as surfaces and profiles, which do not retain intelligence through typical external references*. The proper way to share intelligent civil 3D objects is through Data Shortcuts. Objects include:

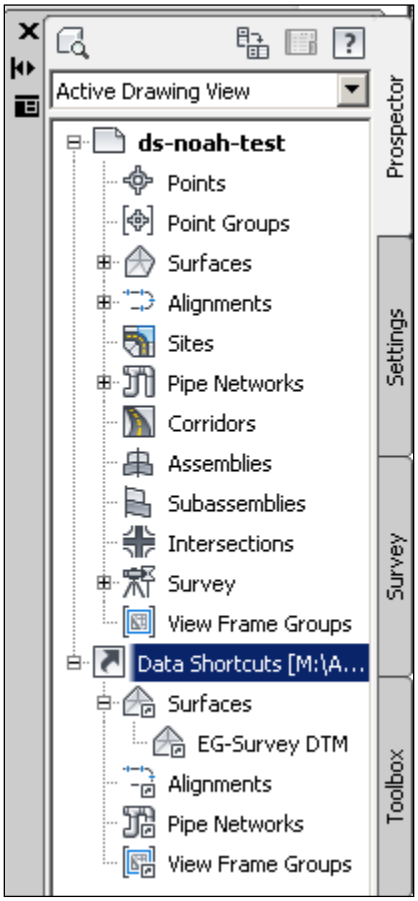
- Alignments
- Surfaces
- Profiles
- Sections
- Corridors
- Pipe Networks

Note: *Users can add labels to civil objects through xref, but cannot design/build from data.

Data Shortcut method involves two steps, Sharing (export) and Referencing (import).
Note: You may only wish to do step 2- Reference Data Shortcuts. Skip to page 4.

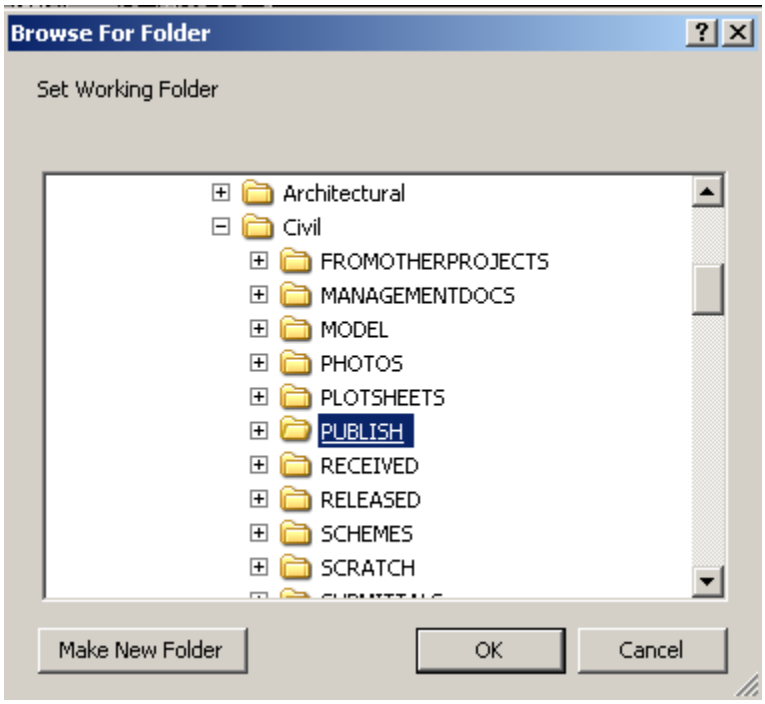
6.17.5.1.1 SHARE DATA SHORTCUTS

Open drawing containing the civil objects to be shared. These objects must be native to the open drawing and not externally referenced (xref). Once a user has created a civil object, the drawing must be saved. This object is shared with other users through the Data Shortcuts within the prospector tab of the Toolspace.



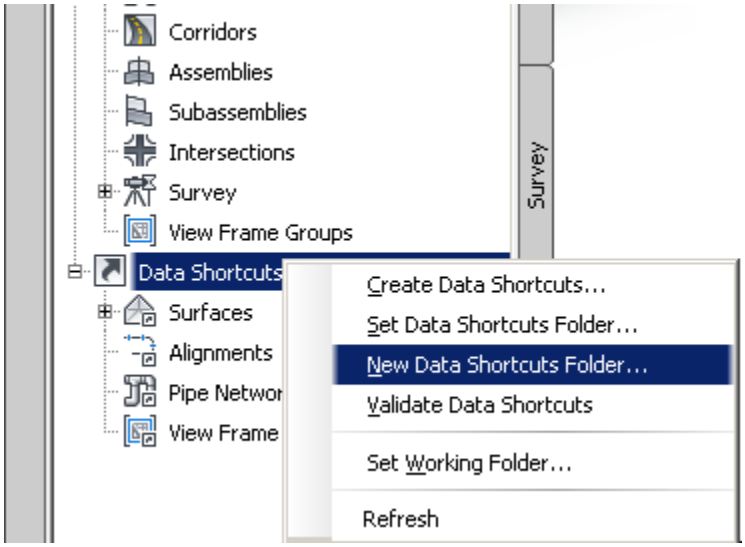
Set the Working Folder

Right click on the Data Shortcut and select Set Working Folder. In the Civil folder of the PID folder, select the PUBLISH folder as the Working Folder. Click OK.

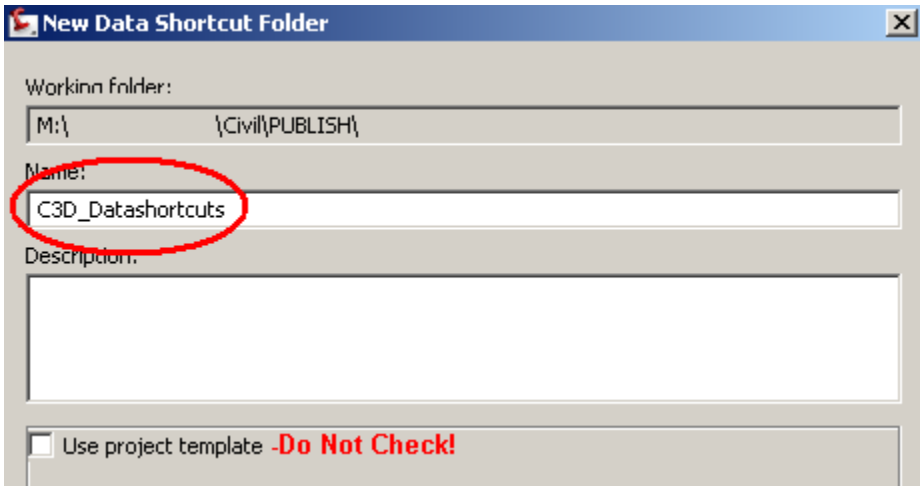


Create New Data Shortcuts Folder

Right click the Data Shortcuts again and select **New Data Shortcuts Folder…**

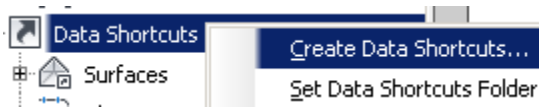


Enter the name **C3D_Datashortcuts** and click **OK**. (Do Not Check box for 'Use Project Template')

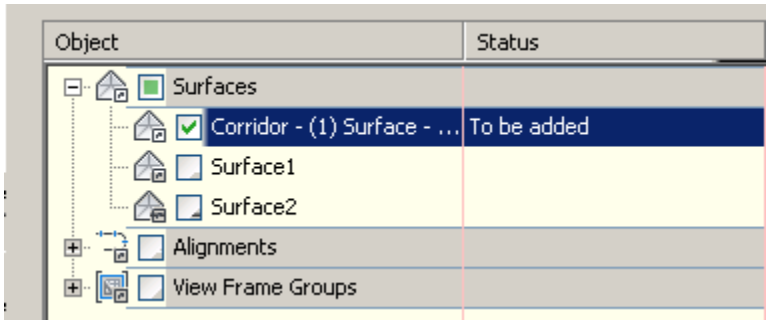


Create Data Shortcuts

Right Click Data Shortcuts again. Select Create Data Shortcuts.



Civil 3D will collect all intelligent civil objects within the drawing and display them in a dialog box. Users can specify which objects they wish to share by checking them off. Multiple objects, such as surfaces and alignments, can be added to the data shortcut.



Check desired objects to share and click **OK**. Data Shortcuts have been created.

Note: The data shortcut is saved to the C3D_Datashortcuts folder in xml format. Civil 3D is programmed to recognize these files to allow users to reference the intelligent data. If the object is modified in the native drawing, the xml and drawings referencing the data shortcut will automatically update.

Note: The following page describes the process of Referencing Data Shortcuts. This may be the only step users would use if not actually creating Civil 3D objects or data shortcuts.

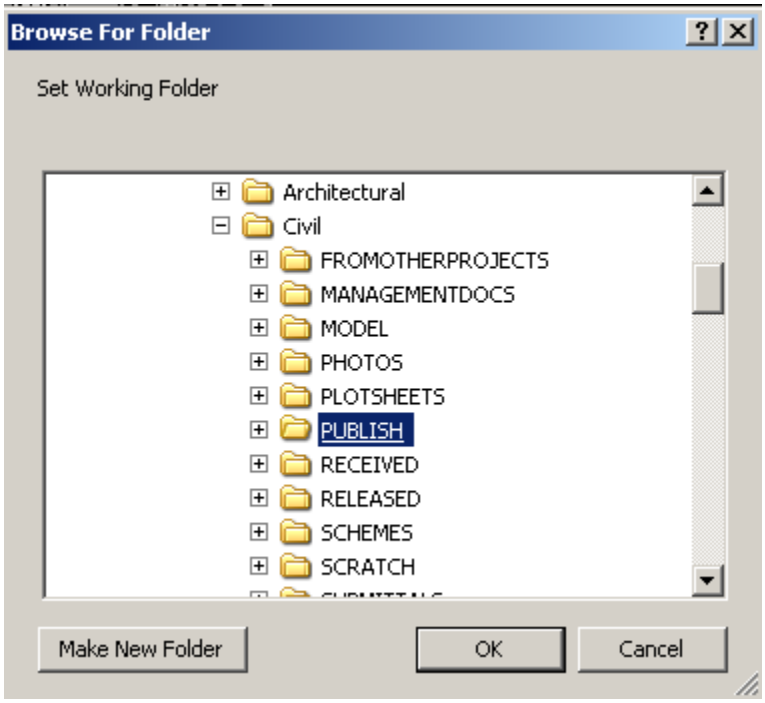
6.17.5.1.2 Reference Data Shortcuts

Another user may want to import these objects into their drawing. The user must open another drawing or create new in order to reference data shortcut objects.

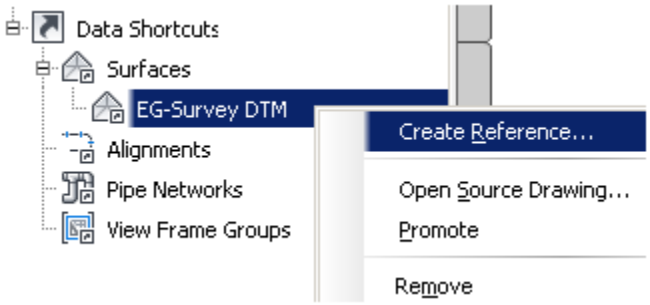
(The drawing **must be saved** prior to referencing)

Set the Working Folder

Right click on the Data Shortcut and select **Set Working Folder**. In the Civil folder of the PID folder, select the **PUBLISH** folder as the Working Folder. Click **OK**.



The Data Shortcuts will display a + symbol next to the object type available for reference. Click the + to expand the object type. Select the object and right click. Select **Create Reference…**



(If ***Create Reference…*** is disabled (grey), you must save drawing and reattempt this step.)

A dialog box will appear to allow user to set or change object style and name. Click **OK**.
Object is successfully referenced and should display on screen. (Zoom extents). **Save Drawing**

THE PORT AUTHORITY OF NY & NJ has compiled sets of custom parts for use with Civil 3D Pipe Networks. There are several part families for both Pipes and Structures. The Pipe Network Catalog Settings should be mapped to the designated location for all Civil 3D users to access both standard parts and Port Authority custom parts:

6.17.5.2 Pipe Network

Set Pipe Network Catalog…

K:\Application\EAD\CAD_Standards\2014\Civil\Pipes Catalog

The Pipe settings include Pipes catalogs:

- Metric Pipe Catalog
- **Port Authority of NY and NJ Custom Pipe Catalog**
- US Imperial Pipe Catalog

The Pipe settings include Structure catalogs:

- Metric Structure Catalog
- **Port Authority of NY and NJ Custom Structure Catalog**
- US Imperial Structure Catalog

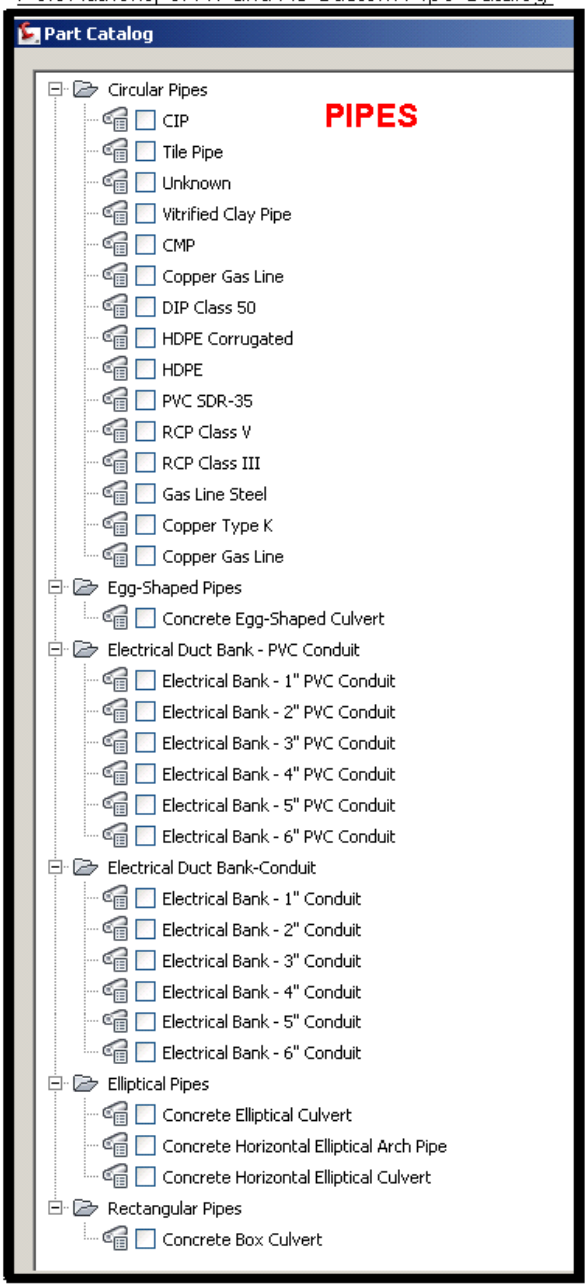
After the catalogs have been set to **Port Authority of NY and NJ Custom Catalog**, Pipe Network parts lists can be created and edited using these custom Port Authority parts.

To create or edit parts list, locate or create the part list. Add part families to pipes and structures. Add part sizes for part families as needed or add all sizes.

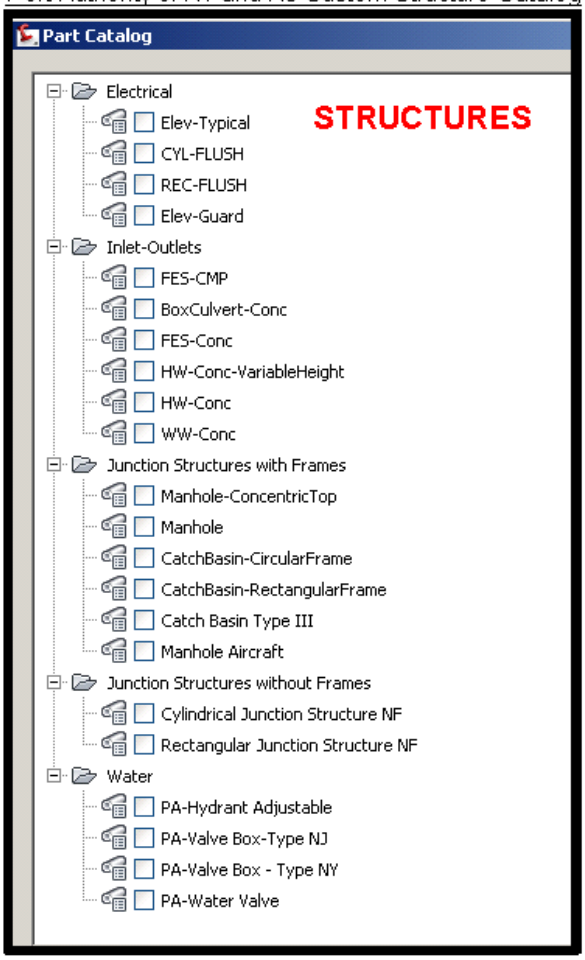
A complete list and description of pipes can be found at
K:\Application\EAD\CAD_Standards\2014\Civil\Pipes Catalog\PA-Pipes\PA-Pipes.htm

A complete list and description of structures can be found at
K:\Application\EAD\CAD_Standards\2014\Civil\Pipes Catalog\PA-Structures\PA-Structures.htm

Port Authority of NY and NJ Custom Pipe Catalog



Port Authority of NY and NJ Custom Structure Catalog



A complete list and description of pipes can be found at
K:\Application\EAD\CAD_Standards\2014\Civil\Pipes Catalog\PA-Pipes\PA-Pipes.htm

A complete list and description of structures can be found at
K:\Application\EAD\CAD_Standards\2014\Civil\Pipes Catalog\PA-Structures\PA-Structures.htm

6.18 Appendix C – Electrical Discipline

6.18.1 Content Preferences

This Section Is Under Construction

6.18.2 Layer Stratagem

6.18.2.1 New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
E	ANNO	BUBL			142	CONTINUOUS	YES	REVISION BUBBLE
E	ANNO	CHNG			7	CONTINUOUS	YES	IDENTIFICATION OF UPDATED WORK
E	ANNO	DIMS			7	CONTINUOUS	YES	DIMENSIONS
E	ANNO	IDEN			2	CONTINUOUS	YES	IDENTIFICATION TEXT
E	ANNO	MLIN			142	MATCHLINE	YES	MATCH LINES
E	ANNO	NPLT			170	CONTINUOUS	NO	CONSTRUCTION AND REFERENCE LINES
E	ANNO	TEXT			2	CONTINUOUS	YES	ANNOTATIONS AND CALLOUTS
E	ANNO	TITL			6	CONTINUOUS	YES	TITLES
E	ANNO	TTLB			130	CONTINUOUS	YES	CONTRACT BORDER
E	ANNO	VPRT			130	CONTINUOUS	NO	VIEW PORT
DETAIL								
E	DETL	EXTR			6	CONTINUOUS	YES	EXTERIOR DETAIL LINES
E	DETL	HIDN			8	HIDDEN2	YES	HIDDEN DETAIL LINES
E	DETL	TEXT			2	CONTINUOUS	YES	DETAIL ANNOTATIONS
FIRE								
E	FIRE	ALDL			142	CONTINUOUS	YES	ALDL DEVICES - SMOKE DETECTORS AND OTHER INPUT DEVICES
E	FIRE	SPKR			40	CONTINUOUS	YES	FIRE SYSTEM SPEAKER
E	FIRE	STRB			142	CONTINUOUS	YES	FIRE SYSTEM STROBES
GENERAL								
E	GNRL				3	CONTINUOUS	YES	GENERAL FEATURES
E	GNRL	BKGD			252	CONTINUOUS	YES	GENERAL BACKGROUND FEATURES
E	GNRL	DETL			200	CONTINUOUS	YES	GENERAL DETAILS
E	GNRL	ENCL			170	CENTER	YES	ENCLOSURES
E	GNRL	IDEN			2	CONTINUOUS	YES	IDENTIFICATION TAGS
CORROSION PROTECTION								
E	CATH	____			6	CONTINUOUS	YES	CORROSION PROTECTION FEATURES
LIGHT								
E	LITE	FIXT			6	CONTINUOUS	YES	LIGHT FIXTURES
E	LITE	SITE			142	CONTINUOUS	YES	SITE LIGHTING
E	LITE	WHIP			11	WHIP	YES	FIXTURE WHIP CONNECTIONS
E	LITE	EXTR			6	CONTINUOUS	YES	EXTERIOR FEATURES
E	LITE	HDWR			7	CONTINUOUS	YES	HARDWARE FEATURES
E	LITE	HIDN			8	HIDDEN2	YES	HIDDEN FEATURES
E	LITE	INTR			142	CONTINUOUS	YES	INTERIOR FEATURES
E	LITE	MISC			7	CONTINUOUS	YES	MISCELLANEOUS LINES
E	LITE	PATT			252	CONTINUOUS	YES	LIGHTING HATCHES
POWER								
E	POWR	CIRC			3	CONTINUOUS	YES	CONDUIT AND WIRING

E	POWR	CIRC	HEAT		3	HTRACE	YES	HEAT TRACE
E	POWR	DEVC			142	CONTINUOUS	YES	ELECTRICAL DEVICES
E	POWR	DUCT			200	CENTER	YES	UNDER FLOOR DUCT
UNDERGROUND								
E	UGND	13KV			7	13.8KV	YES	UNDERGROUND 13KV DUCTBANK
E	UGND	27KV			7	27KV	YES	UNDERGROUND 27KV DUCTBANK
E	UGND	OUTS			7	OS	YES	UNDERGROUND OUT OF SERVICE ITEMS
E	UGND	COMM			3	UGC	YES	UNDERGROUND COMMUNICATION
E	UGND	DEVC			142	CONTINUOUS	YES	UNDERGROUND DEVICE
E	UGND	FIBR			3	FO	YES	UNDERGROUND FIBER OPTIC
E	UGND	FIRE			142	FA	YES	UNDERGROUND FIRE
E	UGND	GRND			3	GND	YES	UNDERGROUND GROUND CONDUCTOR
E	UGND	PCOM			3	PC	YES	UNDERGROUND POWER COMMUNICATION
E	UGND	POWR			142	P	YES	UNDERGROUND POWER
E	UGND	PSEG			7	PSEG	YES	UNDERGROUND PSE&G DUCTBANK
E	UGND	WIRE			20	CONTINUOUS	YES	UNDERGROUND WIRE
E	UGND	COMM	DUCT		7	UGC	YES	UNDERGROUND COMMUNICATION DUCTBANK
E	UGND	POWR	DUCT		7	UGE	YES	UNDERGROUND POWER DUCTBANK
XREF								
E	XREF				7	CONTINUOUS	YES	EXTERNAL REFERENCE ATTACHMENT LAYER
E	XREF	RAST			7	CONTINUOUS	YES	IMAGE REFERENCE ATTACHMENT LAYER

6.18.2.2 EXISTING

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT REMOVAL LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
E	____	____	____	EXST	7	CONTINUOUS	YES	
ANNOTATION								
E	ANNO	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING ANNOTATIONS AND CALLOUTS
E	ANNO	IDEN	____	EXST	2	CONTINUOUS	YES	EXISTING IDENTIFICATION TEXT

6.18.2.3 Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT REMOVAL LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
E	____	____	____	FUTR	5	CONTINUOUS	YES	
ANNOTATION								
E	ANNO	TEXT	____	FUTR	2	CONTINUOUS	YES	FUTURE ANNOTATIONS AND CALLOUTS
E	ANNO	IDEN	____	FUTR	2	CONTINUOUS	YES	FUTURE IDENTIFICATION TEXT

6.18.2.4 Relocated Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT REMOVAL LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
E	____	____	____	RELO	7	CONTINUOUS	YES	
ANNOTATION								
E	ANNO	TEXT	____	RELO	7	CONTINUOUS	YES	RELOCATION ANNOTATIONS AND CALLOUTS
	ANNO	IDEN	____	RELO	7	CONTINUOUS	YES	RELOCATION IDENTIFICATION TEXT

6.18.2.5 Removal

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT REMOVAL LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
E	____	____	____	RMVL	2	CONTINUOUS	YES	
ANNOTATION								
E	ANNO	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL ANNOTATIONS AND CALLOUTS
GENERAL								
E	GNRL	____	____	RMVL	20	HIDDEN4	YES	REMOVAL GENERAL FEATURES

6.18.2.6 Temporary Work

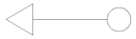
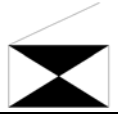
DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT REMOVAL LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
E	____	____	____	TEMP	8	CONTINUOUS	YES	
ANNOTATION								
E	ANNO	TEXT	____	TEMP	8	CONTINUOUS	YES	TEMPORARY ANNOTATIONS AND CALLOUTS
GENERAL								
E	GNRL	____	____	TEMP	8	HIDDEN4	YES	TEMPORARY GENERAL FEATURES

6.18.3 Linetypes

Name	Description	Example
13.8KV		13.8KV 13.8KV 13.8KV 13.8KV
27KV		27KV 27KV 27KV 27KV
CENTER	Centerline (1x)	
Continuous	Continuous	
FA		FA FA FA FA
FO		FO FO FO FO
HIDDEN2	Hidden (0.50x)	
HIDDEN4	Hidden (0.25x)	
HTRACE		
MATCHLINE		
OS		OS OS
P		P P P P
PC		P,C P,C P,C P,C
PSEG		PSEG PSEG PSEG
REMOVAL		
REMOVAL1		
UGC		
UGE		
Whip		

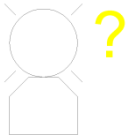
6.18.4 Symbols

6.18.4.1 Block Diagrams

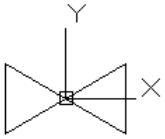
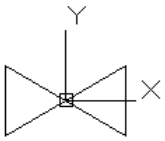
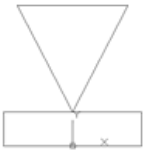
Symbol	Block Name	Layer Name	Description
	TSS001.dwg	E-LITE-SITE	Overhead Sign Structure
	TSS002.dwg	E-GNRL-EXST	Overhead Sign Structure – Removal to Remain
	TSS04.dwg	E-LITE-SITE	Ground-Mounted Sign Structure
	TSS05.dwg	E-GNRL-EXST	Ground-Mounted Sign Structure – Removal to Remain
	TSS07.dwg	E-GNRL-DETL	Sign Structure Identifier
	TSS08.dwg	E-LITE-SITE	Traffic Signal Standard
	TSS09.dwg	E-GNRL-EXST	Traffic Signal Standard – Removal to Remain
	TSS11.dwg	E-LITE-SITE	Traffic Signal Post – Top-Mounted
	TSS12.dwg	E-GNRL-EXST	Traffic Signal Post – Top-Mounted – Removal to Remain
	TSS14.dwg	E-LITE-SITE	Vehicular Traffic Signal Head
	TSS15.dwg	E-POWR-DEVC	Traffic Signal Control Cabinet
	TSS15_1.dwg	E-POWR-DEVC	Traffic Signal Control Cabinet

	TSS15_2.dwg	E-GNRL-DETL	Cabinet Identification
	TSS16.dwg	E-GNRL-EXST	Traffic Signal Control Cabinet – Removal to Remain
	TSS18.dwg	E-POWR-DEVC	Variable Message Sign Control Cabinet
	TSS19.dwg	E-GNRL-EXST	Variable Message Sign Control Cabinet – Removal to Remain
	IR007.dwg	E-GNRL-DETL	Transformer Fault Pressure Relay
	IR015.dwg	E-POWR-CIRC	Breaker Control Switch

6.18.4.2 Fire

Symbol	Block Name	Layer Name	Description
	FAS001.dwg	E-FIRE-ALDL	Ceiling Mounted Smoke Detector
	FAS002.dwg	E-FIRE-ALDL	Fire Alarm Heat Detector
	FAS003.dwg	E-FIRE-ALDL	Duct Smoke Detector
	FAS004.dwg	E-FIRE-STRB	Duct Smoke Detector (with line segment)
	FAS005.dwg	E-FIRE-STRB	Wall-Mounted Fire Alarm Strobe
	FAS006.dwg	E-FIRE-SPKR	Fire Alarm Dry Pipe Sprinkler Alarm System Cabinet

	FAS007.dwg	E-FIRE-SPKR	Wall-Mounted Fire Alarm Speaker/Strobe
	FAS008.dwg	E-ANNO-TEXT	Wall-Mounted Heat Detector Speaker/Strobe
	FAS009.dwg	E-FIRE-ALDL	Ceiling-Mounted Fire Alarm Speaker (1/2W)
	FAS010.dwg	E-FIRE-ALDL	Wall-Mounted Fire Alarm Speaker (1/2W)
E.O.L.	FAS011.dwg	E-FIRE-ALDL	End of Line
	FAS012.dwg	E-FIRE-ALDL	Manual Fire Alarm Box
	FAS013.dwg	E-FIRE-ALDL	Existing Waterflow Switch
	FAS014.dwg	E-FIRE-ALDL	Existing Valve Supervisory (Tamper) Switch
	FAS015.dwg	E-FIRE-ALDL	Tenant Fire Alarm Amplifier
	FAS016.dwg	E-FIRE-ALDL	Terminal Strip Cabinet

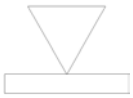
	FAS017.dwg	E-POWR-DEVC	Solenoid Valve
	FAS018.dwg	E-FIRE-SPKR	Fire Alarm Horn
	FAS019.dwg	E-FIRE-ALDL	Existing File Alarm Isolation Module
	FAS020.dwg	E-POWR-DEVC	Automatic Transfer Control
	FAS021.dwg	E-FIRE-ALDL	Flow Switch
	FAS022.dwg	E-FIRE-ALDL	SO
	FAS023.dwg	E-POWR-DEVC	Transformer
	FAS024.dwg	E-FIRE-ALDL	TIB
	FAS025.dwg		Shunt Trip

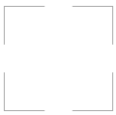
PAD	FAS026.dwg		
FS	FAS027.dwg		Existing Waterflow Switch
SD	FAS028.dwg		Smoke Damper
T	FAS029.dwg		120AC/24DC Transformer
TIB	FAS030.dwg		
CM	FAS031.dwg		Fire Alarm Control Module
MM	FAS032.dwg		Fire Alarm Monitor Module
FS	FAS033.dwg		Flow Switch
TS	FAS034.dwg		Tamper Switch
RTS	FAS035.dwg		Fire Alarm Remote Test Station
LOC	FAS036.dwg		Local Operation Console

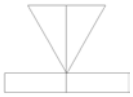
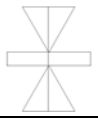
RGA	FAS037.dwg		Remote Graphic Annunciator
APS	FAS038.dwg		Auxiliary Power Supply
FFT	FAS039.dwg		Firefighter Telephone
GMP	FAS040.dwg		Generator Monitoring and Control Panel
SCP	FAS041.dwg		Firefighters Smoke Control Panel
KEY	FAS042.dwg		Smoke Purge Key Switch
FACP	FAS043.dwg		Fire Alarm Control Panel
UIO2	FAS044.dwg		Universal Input/Output Module Motherboard (2 Module)
UIO6	FAS045.dwg		Universal Input/Output Module Motherboard (6 Module)
EOLR	FAS046.dwg		End of Line Resistor
FS	FAS047.dwg		Flow Switch

6.18.4.3 Aviation Lighting

Symbol	Block name	Layer Name	Description
	Aer010.dwg	E-LITE-SITE	Runway/Taxiway Light
	Aer012.dwg	E-LITE-SITE	L-861-T Elevated Blue Taxiway Edge Light on Type “I” Marker Light Box
	Aer013.dwg	E-GNRL-EXST	Removal Elevated Blue Taxiway Edge Light to be Adjusted to Finished Grade
	Aer014.dwg	E-GNRL-EXST	Removal Runway/Taxiway Elevated Edge Light on Type “I” Marker Light Box
	Aer015.dwg	E-LITE-SITE	L-852 Type IV Flush Taxiway Centerline Light Fed by Flexible Conduit in Removal Pavement
	Aer016.dwg	E-LITE-SITE	L-852 Type IV Flush Taxiway Centerline Light Fed by Encased PVC Conduit
	Aer017.dwg	E-LITE-SITE	L-852 Type IV Flush Taxiway Centerline Light Mounted on a L-868 Double Section Base Can Fed by Grout Encased PVC-H Conduit in Pavement
	Aer019.dwg	E-GNRL-EXST	Removal Type IV Taxiway Centerline Lighting Fixture to be Adjusted to Finished Grade via a Variable Extension Can
	Aer020.dwg	E-LITE-SITE	Omni-Directional Fixture Mounted on a L-868 Single Section Base Can in Removal or Overlay Pavement
	Aer021.dwg	E-LITE-SITE	L-861-T Elevated Taxiway Edge Light Mounted on a L-867 Single Section Base Can
	Aer021_1.dwg	E-LITE-SITE	Centerline Light
	Aer022.dwg	E-GNRL-EXST	Removal L-861-T Elevated Taxiway Edge Light Mounted on a L-867 Single Section Base Can

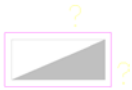
	Aer023.dwg	E-LITE-SITE	Adjust L-861-T Elevated Taxiway Edge Light Mounted on a L-867 Single Section Base Can to Finished Grade
	Aer024.dwg	E-LITE-SITE	Internally-Illuminated Single-Face Taxiway
	Aer024_1.dwg	E-LITE-SITE	The Sign Number
	Aer024_2.dwg	E-GNRL-DETL	The Sign Number 2
	Aer025.dwg	E-LITE-SITE	Internally Illuminated Double Face Taxiway Guidance Sign
	Aer026.dwg	E-POWR-DEVC	Elevated Retro reflective Taxiway Marker
	Aer027.dwg	E-LITE-SITE	High-Intensity Hold Bar
	Aer028.dwg	E-LITE-SITE	L-850C Flush Runway Edge Light Mounted on a L-868 Single-Section Base Can
	Aer034.dwg	E-LITE-SITE	Runway/Taxiway Fixture
	Aer035.dwg	E-GNRL-EXST	Removal Electrical Communication Manhole
	Aer037.dwg	E-GNRL-EXST	Removal Flush Taxiway or Runway Centerline Fixture to Remain
	Aer038.dwg	E-GNRL-EXST	Removal Flush Runway Edge Light
	Aer040.dwg	E-GNRL-EXST	Removal Internally-Illuminated Single-Face Taxiway Guidance Sign

	Aer041.dwg	E-GNRL-EXST	Removal Flush Taxiway Omni directional Fixture
	Aer042.dwg	E-GNRL-EXST	Removal Flush Taxiway Omni directional Fixture – Removal
	Aer043.dwg	E-GNRL-RMVL	Removal Type “I” Marker Light Box, Including Fixture, Transformers, and Base Plates – Removals
	Aer044.dwg	E-GNRL-RMVL	Removal Taxiway Centerline Fixture – Removal
	Aer050.dwg	E-GNRL-DETL	Number Designation for Cross-References with Wiring Diagram
	Aer051.dwg	E-UGND-DEVC	Splice Box for Sensor Cable
	Aer053.dwg	E-UGND-DEVC	Removal Runway Surface Sensor to be Replaced
	Aer055.dwg	E-GNRL-EXST	Removal Double-Obstruction Light
	Aer056.dwg	E-GNRL-EXST	Removal Single-Obstruction Light
	Aer057.dwg	E-LITE-SITE	L-810 Double-Obstruction Light
	Aer058.dwg	E-LITE-SITE	L-810 Single-Obstruction Light
	Aer059.dwg	E-POWR-DEVC	Wind Cone
	Aer060.dwg	E-LITE-SITE	Flush Approach Light Bar by the FAA

	Aer061.dwg	E-LITE-SITE	Runway Touchdown Zone Light Bar
	Aer064.dwg	E-LITE-SITE	Adjust the Removal Internally-Illuminated Single-Face Taxiway Guidance Sign and Foundation to Finished Grade
	Aer067.dwg	E-GNRL-EXST	Removal Internally-Illuminated Double-Face Taxiway Guidance Sign
	Aer068.dwg	E-LITE-SITE	Adjust the Removal Internally-Illuminated Double-Face Taxiway Guidance Sign and Foundation to Finished Grade

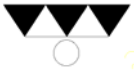
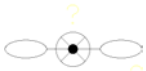
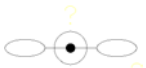
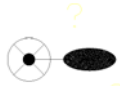
6.18.4.4 Lighting Fixtures

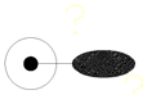
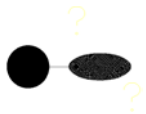
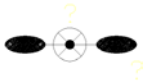
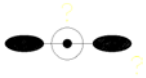
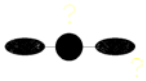
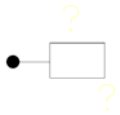
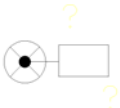
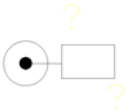
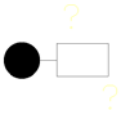
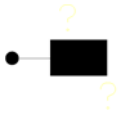
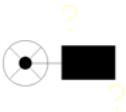
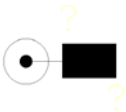
Symbol	Block name	Layer Name	Description
	Ltg001.dwg	E-LITE-FIXT	Ceiling-Mounted 1’x4’ Fluorescent Lighting Fixture
	Ltg002.dwg	E-LITE-FIXT	Ceiling-Mounted 1’x4’ Emergency Fluorescent Lighting Fixture
	Ltg003.dwg	E-LITE-FIXT	Ceiling-Mounted 1’x4’ Fluorescent Fixture with Internal Emergency Battery
	Ltg004.dwg	E-LITE-FIXT	Wall-Mounted 1’x4’ Fluorescent Fixture
	Ltg005.dwg	E-LITE-FIXT	Wall-Mounted 1’x4’ Fluorescent Fixture
	Ltg006.dwg	E-LITE-FIXT	Wall-Mounted 1’x4’Fluorescent Fixture with Internal Emergency Battery
	Ltg007.dwg	E-LITE-FIXT	Ceiling-Mounted 1’x8’ Fluorescent Fixture
	Ltg008.dwg	E-LITE-FIXT	Ceiling-Mounted Emergency Fluorescent Fixture

	Ltg009.dwg	E-LITE-FIXT	Ceiling-Mounted Fluorescent Fixture with Internal Emergency Battery
	Ltg010.dwg	E-LITE-FIXT	Ceiling-Mounted Continuous Fluorescent Fixture
	Ltg011.dwg	E-LITE-FIXT	Ceiling-Mounted Continuous Fluorescent Slot Washer
	Ltg012.dwg	E-LITE-FIXT	Ceiling-Mounted 2’x4’ Fluorescent Fixture
	Ltg013.dwg	E-LITE-FIXT	Ceiling-Mounted 2’x4’ Emergency Fluorescent Fixture
	Ltg014.dwg	E-LITE-FIXT	Ceiling-Mounted Fluorescent Fixture with Internal Emergency Battery
	Ltg015.dwg	E-LITE-FIXT	Ceiling-Mounted 2’x2’ Fluorescent Fixture
	Ltg016.dwg	E-LITE-FIXT	Ceiling-Mounted 2’x2’ Emergency Fluorescent Fixture
	Ltg017.dwg	E-LITE-FIXT	Ceiling-Mounted 2’x2’ Fluorescent Fixture with Internal Emergency Battery
	Ltg018.dwg	E-LITE-FIXT	Ceiling-Mounted 1’x2’ Fluorescent Fixture
	Ltg019.dwg	E-LITE-FIXT	Ceiling-Mounted 1’x2’ Fluorescent Wall Washer
	Ltg020.dwg	E-LITE-FIXT	Ceiling-Mounted Fluorescent Fixture
	Ltg021.dwg	E-LITE-FIXT	Ceiling-Mounted 1’x1’ Compact Fluorescent Down light

	Ltg022.dwg	E-LITE-FIXT	Ceiling-Mounted 1'x1' Compact Fluorescent
h	Ltg023.dwg	E-LITE-FIXT	Ceiling-Mounted 1'x1' Compact Fluorescent Down light with Internal Emergency Battery
	Ltg024.dwg	E-LITE-FIXT	Lighting Fixture
	Ltg025.dwg	E-LITE-FIXT	Recessed Lighting Fixture, Partial Exposure
	Ltg026.dwg	E-LITE-FIXT	Lighting Fixture
	Ltg027.dwg	E-LITE-FIXT	Recessed Lighting Fixture, Large
	Ltg028.dwg	E-LITE-FIXT	Recessed Lighting Fixture, Small
	Ltg029.dwg	E-LITE-FIXT	Recessed Lighting Fixture
	Ltg030.dwg	E-LITE-FIXT	Lighting Fixture
	Ltg031.dwg	E-LITE-FIXT	Lighting Fixture
	Ltg032.dwg	E-LITE-FIXT	Wall-Mounted Lighting Fixture
	Ltg033.dwg	E-LITE-FIXT	Surface-Mounted Hid Fixture
	Ltg034.dwg	E-LITE-FIXT	Surface-Mounted Hid Fixture 2

	Ltg035.dwg	E-LITE-FIXT	Fluorescent Strip
	Ltg036.dwg	E-LITE-FIXT	Track-Mounted Adjustable Fixtures
	Ltg037.dwg	E-LITE-FIXT	Emergency Batter Pack Lights
	Ltg038.dwg	E-LITE-FIXT	Ceiling-Mounted Exit Signs with Directional Arrow
	Ltg039.dwg	E-LITE-FIXT	Ceiling-Mounted Exit Signs with Directional Arrow 2
	Ltg040.dwg	E-LITE-FIXT	Ceiling-Mounted Exit Signs with Directional Arrow 3
	Ltg041.dwg	E-LITE-FIXT	Ceiling-Mounted Exit Signs with Directional Arrow 4
	Ltg042.dwg	E-LITE-FIXT	Wall-Mounted Outdoor Fixture
	Ltg043.dwg	E-LITE-FIXT	Wall-Mounted Outdoor Fixture 2
	Ltg044.dwg	E-LITE-FIXT	Wall-Mounted Outdoor Fixture 3
	Ltg045.dwg	E-LITE-FIXT	Wall-Mounted Outdoor Fixture 4
	Ltg046.dwg	E-LITE-FIXT	High-Mast Lighting Assembly Type
	Ltg047.dwg	E-LITE-FIXT	High-Mast Lighting Assembly Type 2

	Ltg048.dwg	E-LITE-FIXT	High-Mast Lighting Assembly Type 3
	Ltg049.dwg	E-LITE-FIXT	Floodlight Pole Lighting Assembly
	Ltg050.dwg	E-LITE-FIXT	Floodlight Pole Lighting Assembly
	Ltg051.dwg	E-LITE-FIXT	Single-Arm Roadway Lighting Standard
	Ltg052.dwg	E-LITE-FIXT	Remove Single-Arm Roadway Standard
	Ltg053.dwg	E-LITE-FIXT	Relocated Single-Arm Roadway Lighting Standard Removal Location
	Ltg054.dwg	E-LITE-FIXT	Relocated Single-Arm Roadway Lighting Standard New Location
	Ltg055.dwg	E-LITE-FIXT	Double-Arm Roadway Lighting Standard
	Ltg056.dwg	E-LITE-FIXT	Remove Double-Arm Roadway Lighting Standard
	Ltg057.dwg	E-LITE-FIXT	Relocate Double-Arm Roadway Lighting Standard Removal Location
	Ltg058.dwg	E-LITE-FIXT	Relocated Double-Arm Roadway Lighting Standard New location
	Ltg059.dwg	E-LITE-FIXT	Single-Arm Roadway Lighting Standard
	Ltg060.dwg	E-LITE-FIXT	Remove Single-Arm Roadway Lighting Standard

	Ltg061.dwg	E-LITE-FIXT	Relocate Single-Arm Roadway Lighting Standard Removal Location
	Ltg062.dwg	E-LITE-FIXT	Relocated Single-Arm Roadway Lighting Standard New Location
	Ltg063.dwg	E-LITE-FIXT	Double-Arm Roadway Lighting Standard
	Ltg064.dwg	E-LITE-FIXT	Remove Double-Arm Roadway Lighting Standard
	Ltg065.dwg	E-LITE-FIXT	Relocate Double-Arm Roadway Lighting Standard Removal Location
	Ltg066.dwg	E-LITE-FIXT	Relocated Double-Arm Roadway Lighting Standard New Location
	Ltg067.dwg	E-LITE-FIXT	Single-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg068.dwg	E-LITE-FIXT	Remove Single-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg069.dwg	E-LITE-FIXT	Relocate Single-Arm Pole-Mounted Sharp Cut-Off Luminaire (Removal Location)
	Ltg070.dwg	E-LITE-FIXT	Relocated Single-Arm Pole-Mounted Sharp Cut-Off Luminaire (New Location)
	Ltg071.dwg	E-LITE-FIXT	Single-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg072.dwg	E-LITE-FIXT	Remove Single-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg073.dwg	E-LITE-FIXT	Relocate Single-Arm Pole Mounted Sharp Cut-Off Luminaire (Removal Location)

	Ltg074.dwg	E-LITE-FIXT	Relocated Single-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg075.dwg	E-LITE-FIXT	Sinle0Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg076.dwg	E-LITE-FIXT	Remove Single-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg077.dwg	E-LITE-FIXT	Relocate Single-Arm Pole-Mounted Sharp Cut-Off Luminaire (Removal Location)
	Ltg078.dwg	E-LITE-FIXT	Relocated Single-Arm Pole-Mounted Sharp Cut-Off Luminaire (New Location)
	Ltg079.dwg	E-LITE-FIXT	Double-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg080.dwg	E-LITE-FIXT	Remove Double-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg081.dwg	E-LITE-FIXT	Relocate Double-Arm Pole-Mounted Sharp Cut-Off Luminaire (Removal Location)
	Ltg082.dwg	E-LITE-FIXT	Relocated Double-Arm Pole-Mounted Sharp Cut-Off Luminaire (New Location)
	Ltg083.dwg	E-LITE-FIXT	Double-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg084.dwg	E-LITE-FIXT	Remove Double-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg085.dwg	E-LITE-FIXT	Relocate Double-Arm Pole-Mounted Sharp Cut-Off Luminaire (Removal Location)
	Ltg086.dwg	E-LITE-FIXT	Relocated Double-Arm Pole-Mounted Sharp Cut-Off Luminaire (New Location)

	Ltg087.dwg	E-LITE-FIXT	Double-Arm Pole-Mounted Sharp Cut-Off Luminaire
	Ltg088.dwg	E-LITE-FIXT	Remove Double-Arm Pole Mounted Sharp Cut-Off Luminaire
	Ltg089.dwg	E-LITE-FIXT	Relocate Double_Arm Pole Mounted Sharp Cut-Off Luminaire (Removal Location)
	Ltg090.dwg	E-LITE-FIXT	Relocated Double-Arm Pole-Mounted Sharp Cut-Off Luminaire (New Location)
	Ltg091.dwg	E-LITE-FIXT	Yoke-Mounted HID Floodlight
	Ltg092.dwg	E-LITE-FIXT	Yoke-Mounted HID Floodlight 2
	Ltg093.dwg	E-LITE-FIXT	Yoke-Mounted HID Floodlight 3
	Ltg101.dwg	E-LITE-FIXT	Exit Sign – Single Face
	Ltg102.dwg	E-LITE-FIXT	Exit Sign – Single Face, Exit to West
	Ltg103.dwg	E-LITE-FIXT	Exit Sign – Single Face, Exit to East
	Ltg104.dwg	E-LITE-FIXT	Exit Sign – Double-Faced
	Ltg105.dwg	E-LITE-FIXT	Exit Sign – Double-Faced, Exit to East
	Ltg106.dwg	E-LITE-FIXT	Wall-Mounted Exit Sign, Single Face

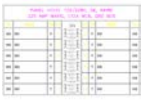
	Ltg107.dwg	E-LITE-FIXT	Wall-Mounted Exit Sign, Single Face, Exit to West
	Ltg108.dwg	E-LITE-FIXT	Wall-Mounted Exit Sign, Single Face, Exit to East
	Ltg109.dwg	E-LITE-FIXT	Wall-Mounted Exit Sign, Single Face, Double-Faced

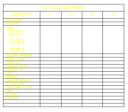
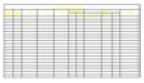
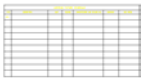
6.18.4.5 Switches

Symbol	Block name	Layer Name	Description
	Swt001.dwg	E-POWR-DEVC	Switch
	Swt002.dwg	E-POWR-DEVC	3-Way Switch
	Swt003.dwg	E-POWR-DEVC	4-Way Switch
	Swt004.dwg	E-POWR-DEVC	Dimmer Switch
	Swt005.dwg	E-POWR-DEVC	Switch
	Swt006.dwg	E-POWR-DEVC	Switch
	Swt007.dwg	E-POWR-DEVC	3-Way Dimmer Switch
	Swt008.dwg	E-POWR-DEVC	Manual Motor Starting Switch with Thermal Overload Protection and Pilot Light
	Swt009.DWG	E-POWR-DEVC	Manual Motor Starting Switch with Thermal Overload Protection

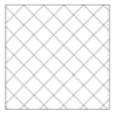
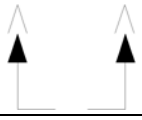
	Swt009A.DWG	E-POWR-DEVC	Switch
	Swt009B.DWG	E-POWR-DEVC	Switch
	Swt009C.DWG	E-POWR-DEVC	Switch
	Swt009D.DWG	E-POWR-DEVC	Switch
	Swt009E.DWG	E-POWR-DEVC	Switch

6.18.4.6 Miscellaneous

Symbol	Block name	Layer Name	Description
	Bubble2.dwg	E-ANNO-DIMS	Leader Bubble
	BUBBLE3.dwg	E-ANNO-DIMS	Elongated Leader Bubble
	Mis011.dwg	E-RVSN-SYMB	Revision Tag
	Revision.dwg	E-ANNO-DIMS	Revision Table
	Sign-p.dwg	E-ANNO-TTLB	Signature Stamp
	Mis041.dwg	0	Circuit Breaker Panel
	Mis042.dwg	0	Power Panel

	Mis043.dwg	0	Circuit Breaker Panel R/C Controlled
	Mis044.dwg	0	Distribution Panel
	Mis045.dwg	0	Motor Control Panel
	Mis057.dwg	0	Transformer Schedule
	Mis058.dwg	0	Metal-Clad Switch Gear Schedule
	Mis059.dwg	0	Medium-Voltage Interrupter Schedule
	Mis060.dwg	0	Cable and Conduit Schedule
	Mis061.dwg	0	Lighting Fixture Schedule
	Ele-DET-SYMB.dwg	(Varies)	Detail Symbol
	Ir001.dwg	E-POWR-CIRC	Regulating Device
	Ir002.dwg	E-POWR-CIRC	Kilowatt-Hour Meter
	Ir003.dwg	E-POWR-CIRC	Instrument Switch, Test Block or Transducer
	Ir004.dwg	E-POWR-CIRC	Instrument Switch, Test Block or Transducer 2

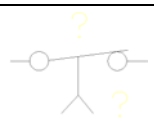
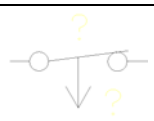
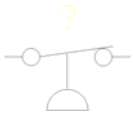
50 / 51	Ir005.dwg	E-POWR-CIRC	Time Overcurrent Relay with Instantaneous Trip Attachment
51G	Ir006.dwg	E-POWR-CIRC	Time Overcurrent Ground Relay for All 50, 51, and 50/51 Relays.
XXXX	Ir007.dwg	E-POWR-CIRC	Transformer Fault Pressure Relay
XXXX	Ir008.dwg	E-POWR-CIRC	Transformer Sudden Pressure Relay
CS—T	Ir010.dwg	E-POWR-CIRC	Control Switch Trip
43 / RL	Ir012.dwg	E-POWR-CIRC	Control Switch Remote – Local
?	Ir013.dwg	E-POWR-CIRC	Indicator Light
LTR	Ir014.dwg	E-POWR-CIRC	Lamp Test Relay
SI	Ir016.dwg	E-POWR-CIRC	Scada System Indication Function
SC	Ir017.dwg	E-POWR-CIRC	Scada System Control Function
SSM	Ir018.dwg	E-POWR-CIRC	Solid-State Metering
A	Ir019.dwg	E-POWR-CIRC	Annunciator
?	Ir020.dwg	E-POWR-CIRC	Instrument

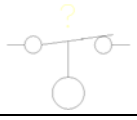
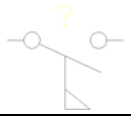
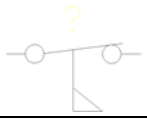
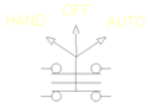
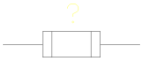
	Ir021.dwg	E-POWR-CIRC	Instrument
	Mis001.dwg	E-GNRL-DETL	Equipment Designation
	Mis004.dwg	E-POWR-DEVC	Pull Box
	Mis005.dwg	E-POWR-DEVC	Push Button
	Mis006.dwg	E-POWR-DEVC	Closed-Circuit TV Camera
	Mis007.dwg	E-POWR-DEVC	Closed-Circuit TV Camera 2
	Mis008.dwg	E-POWR-DEVC	Special System Device
	Mis010.dwg	E-POWR-DEVC	Aqua Stat
	Mis012.dwg	E-GNRL-DETL	Circle or Column Tag
	Mis013.dwg	E-GNRL-DETL	Section Arrows
	Mis023.dwg	E-POWR-DEVC	Break Glass Station
	Mis024.dwg	E-POWR-DEVC	Electromagnetic Door Holder
	Mis035.dwg	E-ANNO-DIMS	Arrowhead

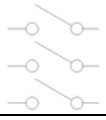
	Mis036.dwg	E-POWR-CIRC	Conduit/Line Break
	Mis037.dwg	E-ANNO-DIMS	Bracket
	Mis049.dwg	E-GNRL-DETL	Section
PRELIMINARY ?	Mis050.dwg	E-ANNO-TTLB	Preliminary Stamp
?	Mis051.dwg	E-ANNO-TTLB	Submission Stamp
CERTIFIED "AS BUILT"	Mis052.dwg	E-ANNO-TTLB	As-Built Stamp
	Mis053.dwg	E-GNRL-CIRC	Conduit Break
FIRST LINE SECOND LINE	Mis056.dwg	E-GNRL-DETL	Section Title
TVSS	Mis070.dwg	E-POWR-DEVC	TVSS
	Mis071.dwg	E-POWR-DEVC	Reflector
	WALLBREAK.dwg	E-GNRL-DETL	Wall Break

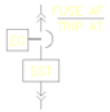
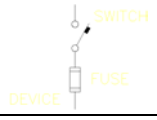
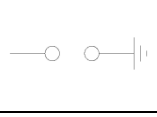
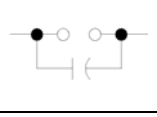
6.18.4.7 One Line

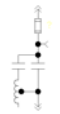
Symbol	Block name	Layer Name	Description
?	Cds001.dwg	E-POWR-CIRC	Instantaneous Contact, NO

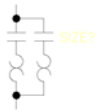
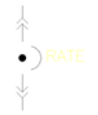
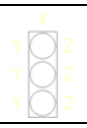
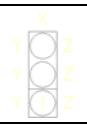
	Cds002.dwg	E-POWR-CIRC	Instantaneous Contact, NC
	Cds003.dwg	E-POWR-CIRC	“On Delay” Timer Contact, NO Time Open
	Cds004.dwg	E-POWR-CIRC	“On Delay” Timer Contact, NC Time Open
	Cds005.dwg	E-POWR-CIRC	“Off Delay” Timer Contact, NO Time Open
	Cds006.dwg	E-POWR-CIRC	“Off Delay” Timer Contact, NC Time Closed
	Cds007.dwg	E-POWR-CIRC	Limit Switch Contact, NO
	Cds008.dwg	E-POWR-CIRC	Limit Switch Contact, NC
	Cds009.dwg	E-POWR-CIRC	Limit Switch Contact NO Held Closed
	Cds010.dwg	E-POWR-CIRC	Limit Switch Contact NC Held Open
	Cds011.dwg	E-POWR-CIRC	Momentary Contact Push Button, NO
	Cds012.dwg	E-POWR-CIRC	Momentary Contact Push Button, NC
	Cds013.dwg	E-POWR-CIRC	Pressure Switch Contact, NO
	Cds014.dwg	E-POWR-CIRC	Pressure Switch Contact, NC

	Cds015.dwg	E-POWR-CIRC	Level Switch Contact, NO
	Cds016.dwg	E-POWR-CIRC	Level Switch Contact, NC
	Cds017.dwg	E-POWR-CIRC	Flow Switch Contact, NO
	Cds018.dwg	E-POWR-CIRC	Flow Switch Contact, NC
	Cds019.dwg	E-POWR-CIRC	Temperature Switch, NO
	Cds020.dwg	E-POWR-CIRC	Temperature Switch, NC
	Cds021.dwg	E-POWR-CIRC	Solenoid
	Cds022.dwg	E-POWR-CIRC	Operating Coil
	Cds023.dwg	E-POWR-CIRC	3-Position Selector Switch
	Cds024.dwg	E-POWR-CIRC	2-Position Selector Switch
	Cds025.dwg	E-POWR-CIRC	Fuse
	Cds027.dwg	E-POWR-CIRC	Thermal Overload Relay
	Cds028.dwg	E-POWR-CIRC	Transformer

	Cds029.dwg	E-POWR-CIRC	Circuit Breaker
	Cds030.dwg	E-POWR-CIRC	Disconnect Switch
	Cds031.dwg	E-POWR-CIRC	Diode
	Cds032.dwg	E-POWR-CIRC	Pilot Light
	Cds033.dwg	E-POWR-CIRC	Terminal Block
	Sld001.dwg	E-POWR-CIRC	Pothead-Type Cable Termination – Medium Voltage
	Sld002.dwg	E-POWR-CIRC	Cable Termination – Low Voltage
	Sld003.dwg	E-POWR-CIRC	Stress Cone –Type Cable Termination – Medium Voltage
	Sld005.dwg	E-POWR-CIRC	Ground and Test Device
	Sld006.dwg	E-POWR-CIRC	Ground Terminal Connection
	Sld007.dwg	E-POWR-CIRC	Bus Disconnecting Link
	Sld010.dwg	E-POWR-CIRC	Power Transformer
	Sld010_1.dwg	E-POWR-CIRC	Power Transformer

	Sld011.dwg	E-POWR-CIRC	Power Transformer Automatic Tap Changer
	Sld012.dwg	E-POWR-CIRC	Low Voltage 3-Pole AC Circuit Breaker
	Sld013.dwg	E-POWR-CIRC	Medium Voltage Fused Load Interrupter Switch Manually Operated
	Sld014.dwg	E-POWR-CIRC	Ground Connection
	Sld015.dwg	E-POWR-CIRC	Ground Connection
	Sld016.dwg	E-POWR-CIRC	Low Voltage, Fused Switch, 3-Pole U.O.N.
	Sld017.dwg	E-POWR-CIRC	Low Voltage, Non-fused Switch, 3-Pole U.O.N.
	Sld018.dwg	E-POWR-CIRC	Low Voltage, Molded Cased Circuit Breaker, 3-Pole U.O.N.
	Sld019.dwg	E-POWR-CIRC	Fuse
	Sld020.dwg	E-POWR-CIRC	Draw Out Device
	Sld021.dwg	E-POWR-CIRC	Plug-in Device
	Sld022.dwg	E-POWR-CIRC	Lightning Arrestor
	Sld023.dwg	E-POWR-CIRC	Circuit Device

	Sld024.dwg	E-POWR-CIRC	Neon Indicating Light
	Sld025.dwg	E-POWR-CIRC	Normally-Open Contact
	Sld025_1.dwg	E-POWR-CIRC	Normally-Closed Contact
	Sld025a.dwg	E-POWR-CIRC	Normally-Closed Contact
	Sld026.dwg	E-POWR-CIRC	Current Transformer
	Sld027.dwg	E-POWR-CIRC	Zero-Sequence Current Transformer
	Sld028.dwg	E-POWR-CIRC	Potential Transformer
	Sld029.dwg	E-POWR-CIRC	Control Power Transformer
	Sld030.dwg	E-POWR-CIRC	Automatic Transfer Switch, 3-Pole U.O.N.
	Sld031.dwg	E-POWR-CIRC	Manual Transfer Switch, 3-Pole U.O.N.
	Sld032.dwg	E-POWR-CIRC	Medium Voltage Motor Controller, Reduced Voltage, Non-Reversing
	Sld033.dwg	E-POWR-CIRC	Medium Voltage Motor Controller, Reduced Voltage, Non-Reversing
	Sld034.dwg	E-POWR-CIRC	Low Voltage Motor Controller, Full Voltage, Non-Reversing (FVNR), 3-Pole

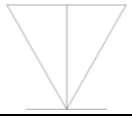
	Sld035.dwg	E-POWR-CIRC	Low Voltage Motor Controller, Full Voltage, Reversing (FVR), 3-Pole
	Sld036.dwg	E-POWR-CIRC	Low Voltage Motor Controller, Full Voltage, Two Speed, Non-Reversing (FV-25-NR), 3-Pole
	Sld037.dwg	E-POWR-CIRC	Induction Motor
	Sld038.dwg	E-POWR-CIRC	Power Circuit Breaker
	Sld039.dwg	E-POWR-CIRC	Battery
	Sld040.dwg	E-POWR-CIRC	Resistor
	Sld041.dwg	E-POWR-CIRC	Low Voltage Network Protector
	Sld042.dwg	E-POWR-CIRC	Emergency Generator
	Sld043.dwg	E-POWR-CIRC	Low Voltage, 3-Pole, Manually-Operated, AC Circuit Breaker
	Ki001.dwg	E-POWR-CIRC	Interlock with Key Held
	Ki002.dwg	E-POWR-CIRC	Interlock with Key Removed
	Ki003.dwg	E-POWR-CIRC	Multi-Lock Interlock with Keys Removed
	Ki004.dwg	E-POWR-CIRC	Transfer Interlock

	Ki005.dwg	E-POWR-CIRC	Shows Key Attached to Device with Insulated Chain or Stainless Steel Cable
	Ki006.dwg	E-POWR-CIRC	Detachable Latch or Door Interlocks
	Ki007.dwg	E-POWR-CIRC	Electrical Key Interlock
!!!	Ki008.dwg	E-POWR-CIRC	Electrical Key Interlock
	Ki009.dwg	E-POWR-CIRC	Mechanical Key Interlock

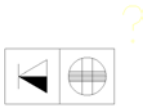
6.18.4.8 Power

Symbol	Block Name	Layer Name	Description
	Pwr001.dwg	E-POWR-DEVC	480/277V, 3P, 4W Panelboard
	Pwr001A.dwg	E-POWR-DEVC	480/277V, 3P, 4W Panelboard
	Pwr002.dwg	E-POWR-DEVC	Distribution Panelboard or Switchboard
	Pwr003.dwg	E-POWR-DEVC	120/208V, 3P, 4W Panelboard
	PWR005.DWG	E-POWR-DEVC	Motor Control Center
	PWR006.DWG	E-POWR-DEVC	Fused Disconnect Switch
	PWR007.DWG	E-POWR-DEVC	Unfused Disconnect Switch
	Pwr008.dwg	E-POWR-DEVC	Combination Motor Starter and Fused Switch

	Pwr009.dwg	E-POWR-DEVC	Combination Motor Starter and Circuit Breaker
	Pwr010.dwg	E-POWR-DEVC	Motor Starter
	Pwr011.dwg	E-POWR-DEVC	Motor
	Pwr012.dwg	E-POWR-DEVC	Motorized Damper
	Pwr013.dwg	E-POWR-DEVC	Automatic Transfer Switch
	Pwr014.dwg	E-POWR-DEVC	Contactor
	Pwr015.dwg	E-POWR-DEVC	Transformer
	Pwr016.dwg	E-POWR-DEVC	Removal 480/277V, 3P, 4W Panelboard
	Pwr016A.dwg	E-POWR-DEVC	Generic Panel
	Pwr017.dwg	E-POWR-DEVC	Existing 120/208V, 3P, 4W Panelboard
	Pwr018.dwg	E-POWR-DEVC	VAV
	CAMERA.dwg	E-POWR-DEVC	Camera
	Out001.dwg	E-POWR-DEVC	Wall-Mounted Telephone

	Out002.dwg	E-POWR-DEVC	Wall-Mounted Data Outlet
	Out002A.dwg	E-POWR-DEVC	Wall-Mounted Combination Telephone/Data Outlet
	Out003.dwg	E-POWR-DEVC	Wall-Mounted TV Outlet
	Out004.dwg	E-POWR-DEVC	Wall-Mounted Single Receptacle 20A, 125V, 3W Grounding Type
	Out005.dwg	E-POWR-DEVC	Wall-Mounted Duplex Convenience Receptacle 15a, 125V, 3W Grounding Type
	Out005_1.dwg	E-POWR-DEVC	Wall-Mounted Multiplex Receptacle
	Out006.dwg	E-POWR-DEVC	Wall-Mounted Quadruplex Receptacle 15a, 125V, 3W Grounding Type
	Out007.dwg	E-POWR-DEVC	Wall-Mounted Single Special-Purpose Receptacle
	Out008.dwg	E-POWR-DEVC	Wall-Mounted Duplex Special-Purpose Receptacle
	Out009.dwg	E-POWR-DEVC	Wall-Mounted Clock Receptacle
	Out010.dwg	E-POWR-DEVC	Floor Telephone Outlet
	Out011.dwg	E-POWR-DEVC	Floor Data Outlet
	Out011A.dwg	E-POWR-DEVC	Floor Combination Telephone/Data Outlet

	OUT012.DWG	E-POWR-DEVC	Floor Single Receptacle 20A, 125V, 3W
	OUT013.DWG	E-POWR-DEVC	Floor Duplex Convenience Receptacle 15A, 125V, 3W Grounding Type Unless Otherwise Noted
	Out013A.dwg	E-POWR-DEVC	Floor Duplex Convenience Receptacle 15A, 125V, 3W Grounding Type Unless Otherwise Noted
	Out13B.dwg	E-POWR-DEVC	Floor Duplex Convenience Receptacle 15A, 125V, 3W Grounding Type Unless Otherwise Noted
	OUT014.DWG	E-POWR-DEVC	Floor Single Special-Purpose Receptacle
	OUT015.DWG	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet
	Out016.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted
	Out017.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted
	Out018.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted
	Out019.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted
	Out020.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted
	Out021.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted
	Out022.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted

	Out023.dwg	E-POWR-DEVC	Two Gang Floor Duplex Receptacle 15A, 125V, 3W Grounding-Type Telephone Outlet Unless Otherwise Noted
	OUT041.dwg	E-POWR-DEVC	120V-20A Duplex Receptacle
	Out0051.dwg	E-POWR-DEVC	Ground Fault Receptacle
	Out051.dwg	E-POWR-DEVC	Ground Fault Receptacle
	Out0061.dwg	E-POWR-DEVC	Ground Fault Receptacle
	Pb-desk.dwg	E-POWR-DEVC	Desk-Mounted Push Button

6.18.4.9 Underground

Symbol	Block Name	Layer Name	Description
	Ues100.dwg	E-GNRL-DETL	Duct Bank Flag
	Ues101_1.dwg	E-GNRL-DETL	Duct Bank Flag 1 Conduit Modify to Suit
	Ues101_2.dwg	E-GNRL-DETL	Duct Bank Flag 2 Conduit Modify to Suit
	Ues101_4.dwg	E-GNRL-DETL	Duct Bank Flag 4 Conduit Modify to Suit
	Ues101_6.dwg	E-GNRL-DETL	Duct Bank Flag 6 Conduit Modify to Suit
	Ues013.dwg	E-UGND-EXST	Power Manhole

	Ues014.dwg	E-UGND-EXST	Removal Power Manhole
	Ues015.dwg	E-UGND-COMM	Communication Manhole
	Ues016.dwg	E-UGND-EXST	Removal Communication Manhole
	Ues017.dwg	E-UGND-POWR	Power Manhole
	Ues018.dwg	E-UGND-EXST	Removal Power Handhole
	Ues019.dwg	E-UGND-COMM	Communication Handhole

6.18.4.10 Wiring

Symbol	Block name	Layer Name	Description
	Cc0010.dwg	E-POWR-CIRC	Conduit Turn Up
	Cc0011.dwg	E-POWR-CIRC	Conduit Turn Down
	Cc00202.dwg	E-POWR-CIRC	2 #12
	Cc00203.dwg	E-POWR-CIRC	3 #12
	Cc00204.dwg	E-POWR-CIRC	4 #12
	Cc00205.dwg	E-POWR-CIRC	5 #12

	Cc00206l.dwg	E-POWR-CIRC	Single Home Run
	Cc00206r.dwg	E-POWR-CIRC	Single Home Run
	Cc00207l.dwg	E-POWR-CIRC	Two Circuit Home Run
	Cc00207r.dwg	E-POWR-CIRC	Two Circuit Home Run
	Cc00208l.dwg	E-POWR-CIRC	Three Circuit Home Run
	Cc00208r.dwg	E-POWR-CIRC	Three Circuit Home Run

6.19 Appendix D – Environmental Discipline

6.19.1 Content Preferences

This Section Is Under Construction

6.19.2 Layer Stratagem

6.19.2.1 New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
N	ANNO	CHNG			1	CONTINUOUS	YES	IDENTIFICATION OF UPDATED WORK
N	ANNO	DIMS			1	CONTINUOUS	YES	WITNESS/EXT. LINES DIM. ARROWHEADS/DOTS/SLASHES, DIM. TEXT
N	ANNO	KEYN			6	CONTINUOUS	YES	KEYNOTES WITH ASSOCIATED LEADERLINES AND ARROWHEADS
N	ANNO	KEYP			254	CONTINUOUS	YES	KEY PLAN
N	ANNO	MLIN			4	MATCHLINE	YES	MATCH LINE
N	ANNO	NOTE			6	CONTINUOUS	YES	GENERAL NOTES AND GENERAL REMARKS
N	ANNO	NPLT			7	CONTINUOUS	NO	NON-PLOTTING GRAPHICS
N	ANNO	SYMB			3	CONTINUOUS	YES	MISC. SYMBOLS
N	ANNO	TEXT			6	CONTINUOUS	YES	MISC.TEXT AND CALLOUTS WITH ASSOC. LEADERLINES AND ARROWHEADS
N	ANNO	TTLB			2	CONTINUOUS	YES	BORDER AND TITLE BLOCK LINE WORK
N	ANNO	VPRT			200	CONTINUOUS	NO	VIEW PORT
ASBESTOS								
N	ASB_	ACM1			254	CONTINUOUS	YES	ACM TYPE #1
N	ASB_	ACM2			253	CONTINUOUS	YES	ACM TYPE #2
N	ASB_	ACM3			252	CONTINUOUS	YES	ACM TYPE #3
N	ASB_	ACM4			251	CONTINUOUS	YES	ACM TYPE #4
N	ASB_	ACM5			250	CONTINUOUS	YES	ACM TYPE #5
N	ASB_	ACM6			7	CONTINUOUS	YES	ACM TYPE #6
N	ASB_	AIRL			4	CONTINUOUS	YES	AIRLOCK
N	ASB_	BARR			6	CONTINUOUS	YES	ISOLATION BARRIER
N	ASB_	CNAD			8	CONTINUOUS	YES	CONSTRUCTION AIDS (LADDERS, SCAFFOLDING, ETC.)
N	ASB_	CONT			3	DASHDOT2	YES	CONTAINMENT LIMITS
N	ASB_	CRIT			6	CONTINUOUS	YES	CRITICAL BARRIER
N	ASB_	DECN			6	CONTINUOUS	YES	DECONTAMINATION UNIT
N	ASB_	DIMS			1	CONTINUOUS	YES	DIMENSIONS
N	ASB_	EQPM			1	CONTINUOUS	YES	EQUIPMENT, (NUA'S, LIGHTS, F. EXT.)
N	ASB_	FLTB			5	CONTINUOUS	YES	FLEX TUBE EXHAUST
N	ASB_	IDEN			6	CONTINUOUS	YES	TEXT
N	ASB_	PLAT			1	CONTINUOUS	YES	WORK AREA PLATFORM
N	ASB_	SYMB			3	CONTINUOUS	YES	SYMBOLS
N	ASB_	WARA			2	BORDER2	YES	WORK AREA LIMITS

N	ASB_	WIRE			2	CONTINUOUS	YES	WIRE
N	ASB_	WSRT			2	CONTINUOUS	YES	WASTE ROUTE
DETAIL								
N	DETL	ACM1			8	CONTINUOUS	YES	ACM TYPE #1
N	DETL	ACM2			8	CONTINUOUS	YES	ACM TYPE #2
N	DETL	ACM3			8	CONTINUOUS	YES	ACM TYPE #3
N	DETL	BARR			6	CONTINUOUS	YES	ISOLATION BARRIER
N	DETL	CNAD			8	CONTINUOUS	YES	CONSTRUCTION AIDS (LADDERS, SCAFFOLDING, ETC.)
N	DETL	CONT			3	DASHDOT2	YES	CONTAINMENT LIMITS
N	DETL	DECN			6	CONTINUOUS	YES	DECONTAMINATION UNIT
N	DETL	DIMS			1	CONTINUOUS	YES	DIMENSIONS
N	DETL	EQPM			1	CONTINUOUS	YES	EQUIPMENT, (NUA'S, LIGHTS, F. EXT.)
N	DETL	FILL			1	CONTINUOUS	YES	FILL/COVER MATERIAL
N	DETL	FLTB			5	CONTINUOUS	YES	FLEX TUBE EXHAUST
N	DETL	IDEN			6	CONTINUOUS	YES	TEXT
N	DETL	MEMB			4	CONTINUOUS	YES	MEMBRANE/NETTING
N	DETL	PIPE			1	CONTINUOUS	YES	PIPE AND CONDUIT
N	DETL	PLAT			1	CONTINUOUS	YES	WORK AREA PLATFORM
N	DETL	PUMP			6	CONTINUOUS	YES	PUMPS
N	DETL	STRC			4	CONTINUOUS	YES	STRUCTURAL FEATURES
N	DETL	TANK			3	CONTINUOUS	YES	TANKS
N	DETL	VLVE			1	CONTINUOUS	YES	VALVES AND FITTINGS
N	DETL	WARA			2	BORDER2	YES	WORK AREA LIMITS
N	DETL	WIRE			2	CONTINUOUS	YES	WIRING
GENERAL ENVIRONMENTAL								
N	GENE	BORE			4	CONTINUOUS	YES	SOIL BORE SAMPLING LOCATION
N	GENE	EXWL			6	CONTINUOUS	YES	EXTRACTION WELL LOCATION
N	GENE	GEOP			3	CONTINUOUS	YES	GEO-PROBE LOCATION
N	GENE	GWAT			7	CONTINUOUS	YES	GROUND WATER GRADIENT
N	GENE	HORW			6	CONTINUOUS	YES	HORIZONTAL WELL LOCATION
N	GENE	IDEN			1	CONTINUOUS	YES	TEXT
N	GENE	MONW			3	CONTINUOUS	YES	MONITORING WELL LOCATION
N	GENE	PLUM			254	CONTINUOUS	YES	PLUME CONTAMINATION LOCATION
N	GENE	REWL			6	CONTINUOUS	YES	RECOVERY WELL LOCATION
N	GENE	TRCH			3	CONTINUOUS	YES	TRENCH LOCATION
LEAD								
N	LEAD	BARR			6	CONTINUOUS	YES	ISOLATION BARRIER
N	LEAD	CNAD			8	CONTINUOUS	YES	CONSTRUCTION AIDS (LADDERS, SCAFFOLDING, ETC.)
N	LEAD	CONT			3	DASHDOT2	YES	CONTAINMENT LIMITS
N	LEAD	DECN			6	CONTINUOUS	YES	DECONTAMINATION UNIT

N	LEAD	DIMS			1	CONTINUOUS	YES	DIMENSIONS
N	LEAD	FABT			8	CONTINUOUS	YES	LCM FULL ABATEMENT
N	LEAD	IDEN			6	CONTINUOUS	YES	TEXT
N	LEAD	PLAT			1	CONTINUOUS	YES	WORK AREA PLATFORM
N	LEAD	SABT			7	CONTINUOUS	YES	LCM SPOT ABATEMENT
N	LEAD	WARA			2	BORDER2	YES	WORK AREA LIMITS
PERMIT								
N	PERM	ERCT			5	CONTINUOUS	YES	EROSION CONTROL
N	PERM	IDEN			7	CONTINUOUS	YES	TEXT
N	PERM	LMLN			3	PHANTOM2	YES	LIMIT LINE
N	PERM	REUS			5	CONTINUOUS	YES	ADDITION TO PERMIT APPICTION SCOPE
N	PERM	SILT			5	CONTINUOUS	YES	SILT FENCE
N	PERM	ENTR			1	CONTINUOUS	YES	CONSTRUCTION ENTRANCE
N	PERM	CB__			6	CONTINUOUS	YES	CATCH BASIN PROTECTION
N	PERM	WETL			1	CONTINUOUS	YES	WETLAND AREA
REVISIONS								
N	REVS	BUBL			3	CONTINUOUS	YES	REVISIONS BUBBLE
N	REVS	SYMB			3	CONTINUOUS	YES	REVISIONS TEXT
SECTIONS								
N	SECT	ACM1			8	CONTINUOUS	YES	ACM TYPE #1
N	SECT	ACM2			8	CONTINUOUS	YES	ACM TYPE #2
N	SECT	ACM3			8	CONTINUOUS	YES	ACM TYPE #3
N	SECT	BARR			6	CONTINUOUS	YES	ISOLATION BARRIER
N	SECT	CNAD			8	CONTINUOUS	YES	CONSTRUCTION AIDS (LADDERS, SCAFFOLDING, ETC.)
N	SECT	CONT			3	DASHDOT2	YES	CONTAINMENT LIMITS
N	SECT	DECN			6	CONTINUOUS	YES	DECONTAMINATION UNIT
N	SECT	DIMS			1	CONTINUOUS	YES	DIMENSIONS
N	SECT	EQPM			1	CONTINUOUS	YES	EQUIPMENT, (NUA'S, LIGHTS, F. EXT.)
N	SECT	FLTB			5	CONTINUOUS	YES	FLEX TUBE EXHAUST
N	SECT	IDEN			6	CONTINUOUS	YES	TEXT
N	SECT	MBND			8	CONTINUOUS	YES	MATERIAL BEYOND SECTION CUT
N	SECT	MCUT			1	CONTINUOUS	YES	MATERIAL CUT BY SECTION
N	SECT	PATT			8	CONTINUOUS	YES	TEXTURES
N	SECT	PLAT			1	CONTINUOUS	YES	WORK AREA PLATFORM
N	SECT	WARA			2	BORDER2	YES	WORK AREA LIMITS
XREF								
N	XREF				254	CONTINUOUS	YES	EXTERNAL REFERENCE DRAWINGS
N	XREF	RAST			254	CONTINUOUS	YES	RASTER IMAGES

6.19.2.2 Existing

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
N	____	____	____	____	253	DASHED	YES	

6.19.2.3 Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
N	____	____	____	FUTR	6	CONTINUOUS	YES	

6.19.2.4 Relocated Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
N	____	____	____	RELO	6	CONTINUOUS	YES	

6.19.2.5 Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
	____	____	____	RMVL	6	DASHED	YES	

6.19.2.6 Temporary Work

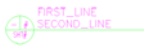
DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
N	____	____	____	TEMP	6	CONTINUOUS	YES	

6.19.3 Linetypes

Name	Description	Example
Border2		
Continuous	Continuous	
DASHED	Dashed (1x)	
DashDot2		
MATCHLINE		
PHANTOM2		

6.19.4 Symbols

6.19.4.1 Drafting Conventions

Symbol	Block Name	Layer Name	Description
	Env-callout.dwg	(Varies)	Callout Symbol
	Env-det-symb.dwg	(Varies)	Detail Symbol
	Env-sec-mark.dwg	(Varies)	Section Mark Symbol
	Nts.dwg	(Varies)	Not-to-Scale

6.19.4.2 Miscellaneous

Symbol	Block Name	Layer Name	Description
	ACM.dwg	(Varies)	Asbestos-Containing Material
	ContainmentLimits.dwg	(Varies)	Containment Limits
	Criticalbarrier.dwg	(Varies)	Critical Barrier
	Eexit.dwg	(Varies)	Emergency Exit
	Electricsource.dwg	(Varies)	Electrical Power Source
	Emergencylite.dwg	(Varies)	Emergency Light

	Removalroofpoint.dwg	(Varies)	Removal Roof Footprint
	Isolationbarrier.dwg	(Varies)	Isolation Barrier
NAU	Nau.dwg	(Varies)	Negative Air Unit
	Nauexhaustroute.dwg	(Varies)	NAU Flex Exhaust Route
V.I.F.	Vif.dwg	(Varies)	Verify in Field
W D	Water&drain.dwg	(Varies)	Water/Drain Source Locations
	Workarea1way.dwg	(Varies)	Work Area (One Way) Access/Egress
	Workarea2way.dwg	(Varies)	Work Area (Two Way) Access/Egress
	Workarealimits.dwg	(Varies)	Work Area Limits

6.20 Appendix E – Geotechnical Discipline

6.20.1 Content Preferences

This Section Is Under Construction

6.20.2 Layer Stratagem

6.20.2.1 New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
G	ANNO	CHNG			212	CONTINUOUS	YES	IDENTIFICATION OF UPDATED WORK
G	ANNO	DIMS			212	CONTINUOUS	YES	WITNESS/EXTENSION LINES, DIMENSION LINES, ARROWHEADS AND DIMENSION TEXT
G	ANNO	KEYN			212	CONTINUOUS	YES	KEYNOTES WITH ASSOCIATED LEADERLINES AND ARROWHEADS
G	ANNO	MLIN			6	CONTINUOUS	YES	MATCH LINES
G	ANNO	NOTE			212	CONTINUOUS	YES	GENERAL NOTES AND REMARKS
G	ANNO	NPLT			6	CONTINUOUS	NO	CONSTRUCTION LINES/REFERENCE TARGETS AND REVIEW COMMENTS
G	ANNO	SYMB			212	CONTINUOUS	YES	MISCELLANEOUS SYMBOLS
G	ANNO	TEXT			212	CONTINUOUS	YES	MISCELLANEOUS TEXT WITH ASSOCIATED LEADERLINES AND ARROWHEADS
G	ANNO	TTLB			210	CONTINUOUS	YES	BORDER AND TITLE BLOCK LINEWORK
G	ANNO	TABL			210	CONTINUOUS	YES	TABLE AND SCHEDULE LINEWORK
G	ANNO	VPRT			5	CONTINUOUS	NO	VIEWPORTS
DETAILS								
G	DETL	LINE			140	CONTINUOUS	YES	MEDIUM WEIGHT DETAIL LINEWORK
G	DETL	LINE	FINE		143	CONTINUOUS	YES	LIGHT DETAIL LINEWORK
G	DETL	LINE	HEVY		141	CONTINUOUS	YES	BOLD DETAIL LINEWORK
G	DETL	BORE			3	CONTINUOUS	YES	BORINGS/PERK HOLES
G	DETL	CONC			8	CONTINUOUS	YES	CONCRETE
G	DETL	ERTH			3	CONTINUOUS	YES	EARTH/SOIL
G	DETL	FILL			3	CONTINUOUS	YES	FILL/COVER MATERIAL
G	DETL	FLDN			3	CONTINUOUS	YES	FIELD INFORMATION
G	DETL	GNWD			3	CONTINUOUS	YES	GROUND WATER
G	DETL	GNRL			3	CONTINUOUS	YES	GENERAL FEATURES
G	DETL	TEXT			3	CONTINUOUS	YES	TEXT
G	DETL	LABI			3	CONTINUOUS	YES	LABORATORY INFORMATION
G	DETL	PAVE			3	CONTINUOUS	YES	PAVEMENT
G	DETL	SPCF			4	CONTINUOUS	YES	SPECIAL FEATURES
G	DETL	STEL			3	CONTINUOUS	YES	STEEL
G	DETL	STRM			3	CONTINUOUS	YES	STORM WATER
G	DETL	SUBS			3	CONTINUOUS	YES	SUBSURFACE AREAS
G	DETL	INST			3	CONTINUOUS	YES	INSTRUMENTATION DETAILS

G	DETL	SURF			3	CONTINUOUS	YES	SURFACE AREAS
SITE								
G	SITE	BORE			1	CONTINUOUS	YES	SOIL BORING SAMPLE LOCATIONS
G	SITE	GNRL			3	CONTINUOUS	YES	GENERAL
G	SITE	GRID			132	CONTINUOUS	YES	GRID LINES
G	SITE	MONW			1	CONTINUOUS	YES	MONITORING WELL LOCATIONS
G	SITE	SUBS			3	CONTINUOUS	YES	SUBSURFACE
G	SITE	SURF			8	CONTINUOUS	YES	SURFACE
G	SITE	TEXT			3	CONTINUOUS	YES	TEXT
XREF								
G	XREF				210	CONTINUOUS	YES	EXTERNALLY REFERENCED DRAWINGS
G	XREF	RAST			210	CONTINUOUS	YES	RASTER IMAGES

6.20.2.2 Existing

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
G	____	____	____	EXST	252	CONTINUOUS	YES	

6.20.2.3 Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
	____	____	____	RMVL	6	CONTINUOUS	YES	

6.20.2.4 Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
G	____	____	____	FUTR	6	CONTINUOUS	YES	

6.20.2.5 Relocated

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
G	____	____	____	RELO	6	CONTINUOUS	YES	

6.20.2.6 Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
G	____	____	____	RMVL	6	CONTINUOUS	YES	

6.20.2.7 Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
G	____	____	____	TEMP	6	CONTINUOUS	YES	

6.20.3 Linetypes

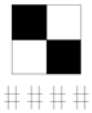
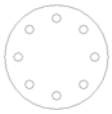
Name	Description	Example
Continuous	Continuous	————————————————————————

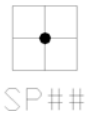
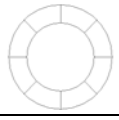
6.20.4 Symbols

6.20.4.1 Drafting Conventions

Symbol	Block Name	Layer Name	Description
	geo-CALLOUT.dwg	(Varies)	Callout Symbol
	geo-DET-SYMB.dwg	(Varies)	Detail Symbol
	geo-SEC-MARK.dwg	(Varies)	Section Mark Symbol

6.20.4.2 Miscellaneous

Symbol	Block Name	Layer Name	Description
	Borehole.dwg	(Varies)	Bore Hole
	Caisson.dwg	(Varies)	Caisson
	ConePenetometer.dwg	(Varies)	Cone Penetometer Sounding
	HML.dwg	(Varies)	HML
	H-Piles.dwg	(Varies)	H Piles
	MonotubePiles.dwg	(Varies)	Monotube Piles
	ObervationWell.dwg	(Varies)	Observation Well
	Piezometer.dwg	(Varies)	Piezometer

	PipePiles.dwg	(Varies)	Pipe Piles
	PrecastConcretePile.dwg	(Varies)	Precast Concrete
	SecantPilesPerm.dwg	(Varies)	Secant Piles
	SecantPilesTemp.dwg	(Varies)	Temporary Secant Piles
	Seismograph.dwg	(Varies)	Seismograph
	SettlementPlate.dwg	(Varies)	Settlement Plate
	SlopeInclinometer.dwg	(Varies)	Slope Inclinometer
	SteelSheetPiles.dwg	(Varies)	Steel Sheet Piles
	StrainGauge.dwg	(Varies)	Strain Gauge
	SurfaceMonitoringPoint.dwg	(Varies)	Surface Monitoring Point
	TapeExtensometerSpan.dwg	(Varies)	Tape Extensometer Span
	Tapertubepiles.dwg	(Varies)	Taper Tube Piles
	Tieback.dwg	(Varies)	Tie Back

	Timberpiles.dwg	(Varies)	Timber Piles

6.21 Appendix F – Mechanical Discipline

6.21.1 Content Preferences

This Section Is Under Construction

6.21.2 Layer Stratagem

6.21.2.1 HVAC New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
M	ANNO	CHNG			2	CONTINUOUS	YES	IDENTIFICATION OF UPDATED WORK
M	ANNO	COLN			250	CENTER	YES	COLUMN LINE
M	ANNO	DIMS			8	CONTINUOUS	YES	DIMENSIONS
M	ANNO	KEYN			2	CONTINUOUS	YES	KEYNOTES
M	ANNO	MLIN			6	DIVIDE	YES	MATCH LINES
M	ANNO	NOTE			2	CONTINUOUS	YES	GENERAL NOTES AND REMARKS
M	ANNO	NPLT			8	CONTINUOUS	NO	CONSTRUCTION AND REFERENCE LINES
M	ANNO	SYMB			2	CONTINUOUS	YES	MISCELLANEOUS SYMBOLS
M	ANNO	TEXT			2	CONTINUOUS	YES	ANNOTATIONS
M	ANNO	TTLB			2	CONTINUOUS	YES	BORDERS
M	ANNO	VPRT			7	CONTINUOUS	YES	VIEW PORTS
AVIATION FUEL								
M	AVFL	ABVE			6	AFS	YES	JET FUEL ABOVE GROUND
M	AVFL	BELW			6	AFSU	YES	JET FUEL BELOW GROUND
M	AVFL	EQPT			60	CONTINUOUS	YES	JET FUEL EQUIPMENT
M	AVFL	OUTS			6	AFS	YES	JET FUEL OUT OF SERVICE
M	AVFL	TANK			60	CONTINUOUS	YES	JET FUEL TANKS
M	AVFL	VALV			60	CONTINUOUS	YES	JET FUEL VALVES
BACKGROUND								
M	BKGD	____			253	CONTINUOUS	YES	BACKGROUND FEATURES
M	BKGD	TEXT			140	CONTINUOUS	YES	BACKGROUND FEATURE ANNOTATIONS
CONDENSER WATER								
M	CDWR	RETN			150	HPC	YES	CONDENSER WATER PIPING RETURN (SCHEMATIC)
M	CDWR	RETN	DBLN		150	CONTINUOUS	YES	CONDENSER WATER PIPING RETURN
M	CDWR	SUPP			150	CHWS	YES	CONDENSER WATER PIPING SUPPLY (SCHEMATIC)
M	CDWR	SUPP	DBLN		150	CONTINUOUS	YES	CONDENSER WATER PIPING SUPPLY
CONDENSATE								
M	COND	HPIP			140	HPC	YES	HIGH PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	HPIP	DBLN		140	CONTINUOUS	YES	HIGH PRESSURE CONDENSATE PIPING
M	COND	TEXT			2	CONTINUOUS	YES	HIGH PRESSURE CONDENSATE TEXT
M	COND	LPIP			140	LPC	YES	LOW PRESSURE CONDENSATE PIPING (SCHEMATIC)

M	COND	LPIP	DBLN		140	CONTINUOUS	YES	LOW PRESSURE CONDENSATE PIPING
M	COND	MPIP			140	MPC	YES	MEDIUM PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	MPIP	DBLN		140	CONTINUOUS	YES	MEDIUM PRESSURE CONDENSATE PIPING
CHILLED WATER								
M	CHWR	RETN			90	CWR	YES	CHILLED WATER PIPING RETURN (SCHEMATIC)
M	CHWR	RETN	DBLN		90	CONTINUOUS	YES	CHILLED WATER PIPING RETURN
M	CHWR	SUPP			90	CWS	YES	CHILLED WATER PIPING SUPPLY (SCHEMATIC)
M	CHWR	SUPP	DBLN		90	CONTINUOUS	YES	CHILLED WATER PIPING SUPPLY
CONTROLS								
M	CTRL	DEVI			140	CONTINUOUS	YES	CONTROL DEVICES
M	CTRL	LINK			170	DASHED	YES	CONTROL / COMMUNICATION LINK
M	CTRL	TEXT			2	CONTINUOUS	YES	CONTROL TEXT
DETAIL								
M	DETL	CABS			7	CONTINUOUS	YES	CABINETS
M	DETL	DUCT			140	CONTINUOUS	YES	DUCTS
M	DETL	EQPT			90	CONTINUOUS	YES	EQUIPMENT AND FIXTURES
M	DETL	GENF			243	CONTINUOUS	YES	GENERAL FEATURES
M	DETL	LVLE			60	CONTINUOUS	YES	VALVES AND FITTINGS
M	DETL	PATT			8	CONTINUOUS	YES	HATCH PATTERNS
M	DETL	PIPE			6	CONTINUOUS	YES	PIPING
M	DETL	STRC			170	CONTINUOUS	YES	STRUCTURAL SUPPORT FEATURES
M	DETL	WIRE			83	CONTINUOUS	YES	ELECTRICAL WIRING
DUCT								
M	DUCT	DAMP			140	CONTINUOUS	YES	FIRE DAMPER OR FIRE / SMOKE DAMPER
M	DUCT	DETR			140	CONTINUOUS	YES	SMOKE OR HEAT DETECTOR
M	DUCT	EXHT			6	CONTINUOUS	YES	EXHAUST DUCT WORK
M	DUCT	RETN			231	CONTINUOUS	YES	RETURN DUCT WORK
M	DUCT	SUPL			140	CONTINUOUS	YES	SUPPLY DUCT WORK
DUAL TEMPERATURE WATER SYSTEM								
M	DTWS	RETN			90	DTWR	YES	DUAL TEMPERATURE WATER PIPING RETURN (SCHEMATIC)
M	DTWS	RETN	DBLN		90	CONTINUOUS	YES	DUAL TEMPERATURE WATER PIPING RETURN
M	DTWS	SUPP			90	DTWS	YES	DUAL TEMPERATURE WATER PIPING SUPPLY (SCHEMATIC)
M	DTWS	SUPP	DBLN		90	CONTINUOUS	YES	DUAL TEMPERATURE WATER PIPING SUPPLY
ELEVATIONS								
M	ELEV	FIXT			241	CONTINUOUS	YES	MISCELLANEOUS FEATURES
M	ELEV	IDEN			9	CONTINUOUS	YES	COMPONENT IDENTIFICATION NUMBERS
M	ELEV	OTLN			7	CONTINUOUS	YES	BUILDING OUTLINES
M	ELEV	PATT			7	CONTINUOUS	YES	TEXTURES AND HATCH PATTERNS
M	ELEV	PFIX			2	CONTINUOUS	YES	PLUMBING FIXTURES
ELEVATOR								
M	EVTR	____			6	CONTINUOUS	YES	ELEVATOR BLOCK INSERTION LAYER

M	EVTR	CAB_			8	CONTINUOUS	YES	ELEVATOR CAB
M	EVTR	STL_			3	CONTINUOUS	YES	ELEVATOR STRUCTURAL STEEL
M	EVTR	STL_	PLAT		1	CONTINUOUS	YES	ELEVATOR STEEL PLATE
M	EVTR	STL_	POST		1	CONTINUOUS	YES	ELEVATOR STEEL POSTS
M	EVTR	STL_	RODS		1	CONTINUOUS	YES	ELEVATOR STEEL RODS
M	EVTR	BOLS	CHNL		1	CONTINUOUS	YES	ELEVATOR BOLSTER CHANNELS
M	EVTR	CALL	KIOS		5	CONTINUOUS	YES	ELEVATOR CALL KIOSK
M	EVTR	CNWT			5	CONTINUOUS	YES	ELEVATOR COUNTER WEIGHTS
M	EVTR	CROS			2	CONTINUOUS	YES	ELEVATOR CAB CROSSHEAD
M	EVTR	DOOR			1	CONTINUOUS	YES	ELEVATOR DOOR
M	EVTR	DOOR	MISC		5	CONTINUOUS	YES	MISCELLANEOUS DOOR ELEMENTS
M	EVTR	ENCL			6	CONTINUOUS	YES	ELEVATOR ENCLOSURE
M	EVTR	EQPM			1	CONTINUOUS	YES	ELEVATOR EQUIPMENT
M	EVTR	GLAZ			5	CONTINUOUS	YES	ELEVATOR GLASS
M	EVTR	HIDN			8	HIDDEN4	YES	HIDDEN ELEVATOR ELEMENTS
M	EVTR	HRAL			5	CONTINUOUS	YES	ELEVATOR HANDRAIL
M	EVTR	HWAY	EQPM		8	CONTINUOUS	YES	ELEVATOR HOIST WAY EQUIPMENT
M	EVTR	HYDR	CYLR		2	CONTINUOUS	YES	ELEVATOR HYDRAULIC CYLINDER
M	EVTR	LUVR			8	CONTINUOUS	YES	ELEVATOR VENT LOUVERS
M	EVTR	MISC			1	CONTINUOUS	YES	MISCELLANEOUS ELEVATOR RELATED ELEMENTS
M	EVTR	PANL			8	CONTINUOUS	YES	ELEVATOR OPERATING PANEL
M	EVTR	PLFM			1	CONTINUOUS	YES	ELEVATOR PLATFORM
M	EVTR	SECU	CMRA		1	CONTINUOUS	YES	ELEVATOR SECURITY CAMERA
M	EVTR	SHFT			1	CONTINUOUS	YES	ELEVATOR SHAFT
M	EVTR	SHRD			5	CONTINUOUS	YES	ELEVATOR SHROUD
M	EVTR	SILL			6	CONTINUOUS	YES	ELEVATOR SILL/THRESHOLD
M	EVTR	SPKR			1	CONTINUOUS	YES	ELEVATOR HANDSFREE SPEAKER PHONE
M	EVTR	STIL			5	CONTINUOUS	YES	ELEVATOR STILES
ESCALATOR								
M	ESCL	____			1	CONTINUOUS	YES	ESCALATOR BLOCK INSERTION LAYER
M	ESCL	ABVE			8	DASHED5	YES	ESCALATOR ABOVE (OR BLOCK INSERTION LAYER)
M	ESCL	BLOW			8	DOT4	YES	ESCALATOR BELOW (OR BLOCK INSERTION LAYER)
M	ESCL	ENCL			1	CONTINUOUS	YES	ESCALATOR BODY OUTLINE
M	ESCL	HRAL			5	CONTINUOUS	YES	ESCALATOR HANDRAIL
M	ESCL	HRAL	PANL		8	CONTINUOUS	YES	HANDRAIL INFILL PANEL – GLASS, METAL, ETC.
M	ESCL	MACH	HIDN		8	DASHED5	YES	ESCALATOR MACHINERY HIDDEN
M	ESCL	STRS			1	CONTINUOUS	YES	ESCALATOR TREADS
M	ESCL	WPNT	NPLT		7	CONTINUOUS	NO	ESCALATOR WORKING POINTS
FUEL								
M	FUEL	FORA			140	FOR	YES	FUEL OIL RETURN ABOVE
M	FUEL	FORU			140	FORU	YES	FUEL OIL RETURN BELOW

M	FUEL	FOSA			140	FOS	YES	FUEL OIL SUCTION ABOVE
M	FUEL	FOSU			140	FOSU	YES	FUEL OIL SUCTION BELOW
M	FUEL	FOVA			140	FOV	YES	FUEL OIL TANK VENT ABOVE
M	FUEL	FOVU			140	FOVU	YES	FUEL OIL TANK VENT BELOW
M	FUEL	TANK			90	CONTINUOUS	YES	FUEL OIL TANK
HOT WATER								
M	HTWR	RETN			231	HWR	YES	HOT WATER PIPING RETURN (SCHEMATIC)
M	HTWR	RETN	DBLN		231	CONTINUOUS	YES	HOT WATER PIPING RETURN
M	HTWR	SUPP			231	HWS	YES	HOT WATER PIPING SUPPLY (SCHEMATIC)
M	HTWR	SUPP	DBLN		231	CONTINUOUS	YES	HOT WATER PIPING SUPPLY
HVAC								
M	HVAC	EQPM			90	CONTINUOUS	YES	HVAC EQUIPMENT
M	HVAC	PATT			8	CONTINUOUS	YES	HVAC HATCH PATTERNS
M	HVAC	TEXT			2	CONTINUOUS	YES	HVAC ANNOTATIONS
HOT OIL - SNOW MELTING SYSTEM								
M	HTOL	COIL			140	CONTINUOUS	YES	HOT OIL SNOW MELTING COIL (SCHEMATIC)
M	HTOL	COIL	DBLN		140	CONTINUOUS	YES	HOT OIL SNOW MELTING COIL
M	HTOL	RETN			90	HOSMR	YES	HOT OIL SNOW MELTING RETURN PIPE (SCHEMATIC)
M	HTOL	RETN	DBLN		90	CONTINUOUS	YES	HOT OIL SNOW MELTING RETURN PIPE
M	HTOL	SUPP			231	HOSMS	YES	HOT OIL SNOW MELTING SUPPLY PIPE (SCHEMATIC)
M	HTOL	SUPP	DBLN		231	CONTINUOUS	YES	HOT OIL SNOW MELTING SUPPLY PIPE
M	HTOL	VLBX			2	CONTINUOUS	YES	HOT OIL SNOW MELTING VALVE BOX
HIGH TEMPERATURE HOT WATER								
M	HTHW	RETN			43	HTHWR	YES	HIGH TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	HTHW	RETN	DBLN		43	CONTINUOUS	YES	HIGH TEMPERATURE HOT WATER RETURN
M	HTHW	SUPP			43	HTHWS	YES	HIGH TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	HTHW	SUPP	DBLN		43	CONTINUOUS	YES	HIGH TEMPERATURE HOT WATER SUPPLY
MEDIUM TEMPERATURE HOT WATER								
M	MTHW	RETN			231	MTHWR	YES	MEDIUM TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	MTHW	RETN	DBLN		231	CONTINUOUS	YES	MEDIUM TEMPERATURE HOT WATER RETURN
M	MTHW	SUPP			231	MTHWS	YES	MEDIUM TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	MTHW	SUPP	DBLN		231	CONTINUOUS	YES	MEDIUM TEMPERATURE HOT WATER SUPPLY
MISCELLANEOUS PIPING								
M	MISC	BBDN			231	BBD	YES	BOILER BLOW DOWN
M	MISC	BKGD			7	CONTINUOUS	YES	BACKGROUND PIPING
M	MISC	CAIR			140	A	YES	COMPRESSED AIR
M	MISC	DRAN			231	D	YES	DRAIN PIPING
M	MISC	MWTR			231	MU	YES	MAKEUP WATER
PRESENTATION								
M	PRES	DBLU			180	CONTINUOUS	YES	DARK BLUE

M	PRES	DGRN			96	CONTINUOUS	YES	DARK GREEN
M	PRES	DPNK			240	CONTINUOUS	YES	DARK PINK
M	PRES	LBLU			120	CONTINUOUS	YES	LIGHT BLUE
M	PRES	LGRN			61	CONTINUOUS	YES	LIGHT GREEN
M	PRES	LPNK			221	CONTINUOUS	YES	LIGHT PINK
M	PRES	ORNG			41	CONTINUOUS	YES	ORANGE
M	PRES	PRPL			202	CONTINUOUS	YES	PURPLE
M	PRES	RED_			20	CONTINUOUS	YES	RED
REFRIGERANT								
M	REFG	DISG			231	RD	YES	REFRIGERANT DISCHARGE (SCHEMATIC)
M	REFG	LIQD			231	RL	YES	REFRIGERANT LIQUID (SCHEMATIC)
M	REFG	SCTN			231	RS	YES	REFRIGERANT SUCTION (SCHEMATIC)
RIVER WATER								
M	RIVW	BKGD			6	CONTINUOUS	YES	RIVER WATER BACKGROUND FEATURES
M	RIVW	RETN			90	CONTINUOUS	YES	RIVER WATER RETURN
M	RIVW	SUPP			6	CONTINUOUS	YES	RIVER WATER SUPPLY
M	RIVW	TUNL			6	CONTINUOUS	YES	RIVER WATER TUNNEL
SECTIONS								
M	SECT	TEXT			2	CONTINUOUS	YES	COMPONENT IDENTIFICATION NUMBERS
M	SECT	MBND			7	CONTINUOUS	YES	MATERIALS BEYOND SECTION CUT
M	SECT	MCUT			7	CONTINUOUS	YES	MATERIALS CUT BY SECTION
M	SECT	PATT			7	CONTINUOUS	YES	TEXTURES AND HATCH PATTERNS
STEAM								
M	STEM	HPIP			35	HPS	YES	HIGH PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	HPIP	DBLN		35	CONTINUOUS	YES	HIGH PRESSURE STEAM PIPING
M	STEM	LPIP			35	LPS	YES	LOW PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	LPIP	DBLN		35	CONTINUOUS	YES	LOW PRESSURE STEAM PIPING
M	STEM	MPIP			35	MPS	YES	MEDIUM PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	MPIP	DBLN		35	CONTINUOUS	YES	MEDIUM PRESSURE STEAM PIPING
XREF								
M	XREF				7	CONTINUOUS	YES	EXTERNAL REFERENCE DRAWINGS
M	XREF	RAST			7	CONTINUOUS	YES	RASTER IMAGES

6.21.2.2 HVAC Existing

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
M	ANNO	COLN	____	EXST	180	CENTER	YES	EXISTING COLUMN LINE

M	ANNO	DIMS	____	EXST	8	CONTINUOUS	YES	EXISTING DIMENSIONS
M	ANNO	NOTE	____	EXST	2	CONTINUOUS	YES	EXISTING GENERAL NOTES AND REMARKS
M	ANNO	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING ANNOTATIONS
AVIATION FUEL								
M	AVFL	ABVE	____	EXST	212	AFS	YES	EXISTING JET FUEL ABOVE GROUND
M	AVFL	BELW	____	EXST	212	AFSU	YES	EXISTING JET FUEL BELOW GROUND
M	AVFL	EQPT	____	EXST	72	CONTINUOUS	YES	EXISTING JET FUEL EQUIPMENT
M	AVFL	OUTS	____	EXST	212	AFS	YES	EXISTING JET FUEL OUT OF SERVICE
M	AVFL	TANK	____	EXST	72	CONTINUOUS	YES	EXISTING JET FUEL TANKS
M	AVFL	VALV	____	EXST	72	CONTINUOUS	YES	EXISTING JET FUEL VALVES
BACKGROUND								
M	BKGD	____	____	EXST	253	CONTINUOUS	YES	EXISTING BACKGROUND FEATURES
M	BKGD	TEXT	____	EXST	121	CONTINUOUS	YES	EXISTING BACKGROUND FEATURE ANNOTATIONS
CONDENSER WATER								
M	CDWR	RETN	____	EXST	152	HPC	YES	EXISTING CONDENSER WATER PIPING RETURN (SCHEMATIC)
M	CDWR	RETN	DBLN	EXST	152	CONTINUOUS	YES	EXISTING CONDENSER WATER PIPING RETURN
M	CDWR	SUPP	____	EXST	152	CHWS	YES	EXISTING CONDENSER WATER PIPING SUPPLY (SCHEMATIC)
M	CDWR	SUPP	DBLN	EXST	152	CONTINUOUS	YES	EXISTING CONDENSER WATER PIPING SUPPLY
CONDENSATE								
M	COND	HPIP	____	EXST	121	HPC	YES	EXISTING HIGH PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	HPIP	DBLN	EXST	121	CONTINUOUS	YES	EXISTING HIGH PRESSURE CONDENSATE PIPING
M	COND	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING HIGH PRESSURE CONDENSATE TEXT
M	COND	LPIP	____	EXST	121	LPC	YES	EXISTING LOW PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	LPIP	DBLN	EXST	121	CONTINUOUS	YES	EXISTING LOW PRESSURE CONDENSATE PIPING
M	COND	MPIP	____	EXST	121	MPC	YES	EXISTING MEDIUM PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	MPIP	DBLN	EXST	121	CONTINUOUS	YES	EXISTING MEDIUM PRESSURE CONDENSATE PIPING
CHILLED WATER								
M	CHWR	RETN	____	EXST	92	CWR	YES	EXISTING CHILLED WATER PIPING RETURN (SCHEMATIC)
M	CHWR	RETN	DBLN	EXST	92	CONTINUOUS	YES	EXISTING CHILLED WATER PIPING RETURN
M	CHWR	SUPP	____	EXST	92	CWS	YES	EXISTING CHILLED WATER PIPING SUPPLY (SCHEMATIC)
M	CHWR	SUPP	DBLN	EXST	92	CONTINUOUS	YES	EXISTING CHILLED WATER PIPING SUPPLY
CONTROLS								
M	CTRL	DEVI	____	EXST	121	CONTINUOUS	YES	EXISTING CONTROL DEVICES
M	CTRL	LINK	____	EXST	191	DASHED	YES	EXISTING CONTROL / COMMUNICATION LINK
M	CTRL	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING CONTROL TEXT
DETAIL								
M	DETL	CABS	____	EXST	249	CONTINUOUS	YES	EXISTING CABINETS
M	DETL	DUCT	____	EXST	121	CONTINUOUS	YES	EXISTING DUCTS
M	DETL	EQPT	____	EXST	92	CONTINUOUS	YES	EXISTING EQUIPMENT AND FIXTURES
M	DETL	GENF	____	EXST	234	CONTINUOUS	YES	EXISTING GENERAL FEATURES

M	DETL	LVLE	____	EXST	72	CONTINUOUS	YES	EXISTING VALVES AND FITTINGS
M	DETL	PATT	____	EXST	180	CONTINUOUS	YES	EXISTING HATCH PATTERNS
M	DETL	PIPE	____	EXST	212	CONTINUOUS	YES	EXISTING PIPING
M	DETL	STRC	____	EXST	191	CONTINUOUS	YES	EXISTING STRUCTURAL SUPPORT FEATURES
M	DETL	WIRE	____	EXST	53	CONTINUOUS	YES	EXISTING ELECTRICAL WIRING
DUCT								
M	DUCT	DAMP	____	EXST	121	CONTINUOUS	YES	EXISTING FIRE DAMPER OR FIRE / SMOKE DAMPER
M	DUCT	DETR	____	EXST	121	CONTINUOUS	YES	EXISTING SMOKE OR HEAT DETECTOR
M	DUCT	EXHT	____	EXST	212	CONTINUOUS	YES	EXISTING EXHAUST DUCT WORK
M	DUCT	RETN	____	EXST	10	CONTINUOUS	YES	EXISTING RETURN DUCT WORK
M	DUCT	SUPL	____	EXST	121	CONTINUOUS	YES	EXISTING SUPPLY DUCT WORK
DUAL TEMPERATURE WATER SYSTEM								
M	DTWS	RETN	____	EXST	92	DTWR	YES	EXISTING DUAL TEMPERATURE WATER PIPING RETURN (SCHEMATIC)
M	DTWS	RETN	DBLN	EXST	92	CONTINUOUS	YES	EXISTING DUAL TEMPERATURE WATER PIPING RETURN
M	DTWS	SUPP	____	EXST	92	DTWS	YES	EXISTING DUAL TEMPERATURE WATER PIPING SUPPLY (SCHEMATIC)
M	DTWS	SUPP	DBLN	EXST	92	CONTINUOUS	YES	EXISTING DUAL TEMPERATURE WATER PIPING SUPPLY
ELEVATIONS								
M	ELEV	FIXT	____	EXST	142	CONTINUOUS	YES	EXISTING MISCELLANEOUS FEATURES
M	ELEV	IDEN	____	EXST	46	CONTINUOUS	YES	EXISTING COMPONENT IDENTIFICATION NUMBERS
M	ELEV	OTLN	____	EXST	249	CONTINUOUS	YES	EXISTING BUILDING OUTLINES
M	ELEV	PATT	____	EXST	249	CONTINUOUS	YES	EXISTING TEXTURES AND HATCH PATTERNS
M	ELEV	PFIX	____	EXST	53	CONTINUOUS	YES	EXISTING PLUMBING FIXTURES
ELEVATOR								
M	EVTR	____	____	EXST	6	CONTINUOUS	YES	EXISTING ELEVATOR BLOCK INSERTION LAYER
M	EVTR	CAB_	____	EXST	8	CONTINUOUS	YES	EXISTING ELEVATOR CAB
M	EVTR	STL_	____	EXST	3	CONTINUOUS	YES	EXISTING ELEVATOR STRUCTURAL STEEL
M	EVTR	STL_	PLAT	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR STEEL PLATE
M	EVTR	STL_	POST	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR STEEL POSTS
M	EVTR	STL_	RODS	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR STEEL RODS
M	EVTR	BOLS	CHNL	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR BOLSTER CHANNELS
M	EVTR	CALL	KIOS	EXST	5	CONTINUOUS	YES	EXISTING ELEVATOR CALL KIOSK
M	EVTR	CNWT	____	EXST	5	CONTINUOUS	YES	EXISTING ELEVATOR COUNTER WEIGHTS
M	EVTR	CROS	____	EXST	2	CONTINUOUS	YES	EXISTING ELEVATOR CAB CROSSHEAD
M	EVTR	DOOR	____	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR DOOR
M	EVTR	DOOR	MISC	EXST	5	CONTINUOUS	YES	EXISTING MISCELLANEOUS DOOR ELEMENTS
M	EVTR	ENCL	____	EXST	6	CONTINUOUS	YES	EXISTING ELEVATOR ENCLOSURE
M	EVTR	EQPM	____	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR EQUIPMENT
M	EVTR	GLAZ	____	EXST	5	CONTINUOUS	YES	EXISTING ELEVATOR GLASS
M	EVTR	HIDN	____	EXST	8	HIDDEN4	YES	EXISTING HIDDEN ELEVATOR ELEMENTS
M	EVTR	HRAL	____	EXST	5	CONTINUOUS	YES	EXISTING ELEVATOR HANDRAIL

M	EVTR	HWAY	EQPM	EXST	8	CONTINUOUS	YES	EXISTING ELEVATOR HOIST WAY EQUIPMENT
M	EVTR	HYDR	CYLR	EXST	2	CONTINUOUS	YES	EXISTING ELEVATOR HYDRAULIC CYLINDER
M	EVTR	LUVR	____	EXST	8	CONTINUOUS	YES	EXISTING ELEVATOR VENT LOUVERS
M	EVTR	MISC	____	EXST	1	CONTINUOUS	YES	EXISTING MISCELLANEOUS ELEVATOR RELATED ELEMENTS
M	EVTR	PANL	____	EXST	8	CONTINUOUS	YES	EXISTING ELEVATOR OPERATING PANEL
M	EVTR	PLFM	____	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR PLATFORM
M	EVTR	SECU	CMRA	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR SECURITY CAMERA
M	EVTR	SHFT	____	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR SHAFT
M	EVTR	SHRD	____	EXST	5	CONTINUOUS	YES	EXISTING ELEVATOR SHROUD
M	EVTR	SILL	____	EXST	6	CONTINUOUS	YES	EXISTING ELEVATOR SILL/THRESHOLD
M	EVTR	SPKR	____	EXST	1	CONTINUOUS	YES	EXISTING ELEVATOR HANDSFREE SPEAKER PHONE
M	EVTR	STIL	____	EXST	5	CONTINUOUS	YES	EXISTING ELEVATOR STILES
ESCALATOR								
M	ESCL	____	____	EXST	1	CONTINUOUS	YES	EXISTING ESCALATOR BLOCK INSERTION LAYER
M	ESCL	ABVE	____	EXST	8	DASHED5	YES	EXISTING ESCALATOR ABOVE (OR BLOCK INSERTION LAYER)
M	ESCL	BLOW	____	EXST	8	DOT4	YES	EXISTING ESCALATOR BELOW (OR BLOCK INSERTION LAYER)
M	ESCL	ENCL	____	EXST	1	CONTINUOUS	YES	EXISTING ESCALATOR BODY OUTLINE
M	ESCL	HRAL	____	EXST	5	CONTINUOUS	YES	EXISTING ESCALATOR HANDRAIL
M	ESCL	HRAL	PANL	EXST	8	CONTINUOUS	YES	EXISTING HANDRAIL INFILL PANEL – GLASS, METAL, ETC.
M	ESCL	MACH	HIDN	EXST	8	DASHED5	YES	EXISTING ESCALATOR MACHINERY HIDDEN
M	ESCL	STRS	____	EXST	1	CONTINUOUS	YES	EXISTING ESCALATOR TREADS
M	ESCL	WPNT	NPLT	EXST	7	CONTINUOUS	NO	EXISTING ESCALATOR WORKING POINTS
FUEL								
M	FUEL	FORA	____	EXST	140	FOR	YES	FUEL OIL RETURN ABOVE
M	FUEL	FORU	____	EXST	140	FORU	YES	FUEL OIL RETURN BELOW
M	FUEL	FOSA	____	EXST	140	FOS	YES	FUEL OIL SUCTION ABOVE
M	FUEL	FOSU	____	EXST	140	FOSU	YES	FUEL OIL SUCTION BELOW
M	FUEL	FOVA	____	EXST	140	FOV	YES	FUEL OIL TANK VENT ABOVE
M	FUEL	FOVU	____	EXST	140	FOVU	YES	FUEL OIL TANK VENT BELOW
M	FUEL	TANK	____	EXST	90	CONTINUOUS	YES	FUEL OIL TANK
HOT WATER								
M	HTWR	RETN	____	EXST	10	HWR	YES	EXISTING HOT WATER PIPING RETURN (SCHEMATIC)
M	HTWR	RETN	DBLN	EXST	10	CONTINUOUS	YES	EXISTING HOT WATER PIPING RETURN
M	HTWR	SUPP	____	EXST	10	HWS	YES	EXISTING HOT WATER PIPING SUPPLY (SCHEMATIC)
M	HTWR	SUPP	DBLN	EXST	10	CONTINUOUS	YES	EXISTING HOT WATER PIPING SUPPLY
HVAC								
M	HVAC	EQPM	____	EXST	92	CONTINUOUS	YES	EXISTING HVAC EQUIPMENT
M	HVAC	PATT	____	EXST	180	CONTINUOUS	YES	EXISTING HVAC HATCH PATTERNS
M	HVAC	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING HVAC ANNOTATIONS
HOT OIL - SNOW MELTING SYSTEM								

M	HTOL	COIL	____	EXST	121	CONTINUOUS	YES	EXISTING HOT OIL SNOW MELTING COIL (SCHEMATIC)
M	HTOL	COIL	DBLN	EXST	121	CONTINUOUS	YES	EXISTING HOT OIL SNOW MELTING COIL
M	HTOL	RETN	____	EXST	92	HOSMR	YES	EXISTING HOT OIL SNOW MELTING RETURN PIPE (SCHEMATIC)
M	HTOL	RETN	DBLN	EXST	92	CONTINUOUS	YES	EXISTING HOT OIL SNOW MELTING RETURN PIPE
M	HTOL	SUPP	____	EXST	10	HOSMS	YES	EXISTING HOT OIL SNOW MELTING SUPPLY PIPE (SCHEMATIC)
M	HTOL	SUPP	DBLN	EXST	10	CONTINUOUS	YES	EXISTING HOT OIL SNOW MELTING SUPPLY PIPE
M	HTOL	VLBX	____	EXST	53	CONTINUOUS	YES	EXISTING HOT OIL SNOW MELTING VALVE BOX
HIGH TEMPERATURE HOT WATER								
M	HTHW	RETN	____	EXST	41	HTHWR	YES	EXISTING HIGH TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	HTHW	RETN	DBLN	EXST	41	CONTINUOUS	YES	EXISTING HIGH TEMPERATURE HOT WATER RETURN
M	HTHW	SUPP	____	EXST	41	HTHWS	YES	EXISTING HIGH TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	HTHW	SUPP	DBLN	EXST	41	CONTINUOUS	YES	EXISTING HIGH TEMPERATURE HOT WATER SUPPLY
MEDIUM TEMPERATURE HOT WATER								
M	MTHW	RETN	____	EXST	10	MTHWR	YES	EXISTING MEDIUM TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	MTHW	RETN	DBLN	EXST	10	CONTINUOUS	YES	EXISTING MEDIUM TEMPERATURE HOT WATER RETURN
M	MTHW	SUPP	____	EXST	10	MTHWS	YES	EXISTING MEDIUM TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	MTHW	SUPP	DBLN	EXST	10	CONTINUOUS	YES	EXISTING MEDIUM TEMPERATURE HOT WATER SUPPLY
MISCELLANEOUS PIPING								
M	MISC	BBDN	____	EXST	10	BBD	YES	EXISTING BOILER BLOW DOWN
M	MISC	BKGD	____	EXST	249	CONTINUOUS	YES	EXISTING BACKGROUND PIPING
M	MISC	CAIR	____	EXST	121	A	YES	EXISTING COMPRESSED AIR
M	MISC	DRAN	____	EXST	10	D	YES	EXISTING DRAIN PIPING
M	MISC	MWTR	____	EXST	10	MU	YES	EXISTING MAKEUP WATER
PRESENTATION								
M	PRES	RED_	____	EXST	1	CONTINUOUS	YES	EXISTING RED
REFRIGERANT								
M	REFG	DISG	____	EXST	10	RD	YES	EXISTING REFRIGERANT DISCHARGE (SCHEMATIC)
M	REFG	LIQD	____	EXST	10	RL	YES	EXISTING REFRIGERANT LIQUID (SCHEMATIC)
M	REFG	SCTN	____	EXST	10	RS	YES	EXISTING REFRIGERANT SUCTION (SCHEMATIC)
RIVER WATER								
M	RIVW	BKGD	____	EXST	212	CONTINUOUS	YES	EXISTING RIVER WATER BACKGROUND FEATURES
M	RIVW	RETN	____	EXST	92	CONTINUOUS	YES	EXISTING RIVER WATER RETURN
M	RIVW	SUPP	____	EXST	212	CONTINUOUS	YES	EXISTING RIVER WATER SUPPLY
M	RIVW	TUNL	____	EXST	212	CONTINUOUS	YES	EXISTING RIVER WATER TUNNEL
SECTIONS								
M	SECT	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING COMPONENT IDENTIFICATION NUMBERS
M	SECT	MBND	____	EXST	249	CONTINUOUS	YES	EXISTING MATERIALS BEYOND SECTION CUT
M	SECT	MCUT	____	EXST	249	CONTINUOUS	YES	EXISTING MATERIALS CUT BY SECTION
M	SECT	PATT	____	EXST	249	CONTINUOUS	YES	EXISTING TEXTURES AND HATCH PATTERNS
STEAM								
M	STEM	HPIP	____	EXST	15	HPS	YES	EXISTING HIGH PRESSURE STEAM PIPING

								(SCHEMATIC)
M	STEM	HPIP	DBLN	EXST	15	CONTINUOUS	YES	EXISTING HIGH PRESSURE STEAM PIPING
M	STEM	LPIP	____	EXST	15	LPS	YES	EXISTING LOW PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	LPIP	DBLN	EXST	15	CONTINUOUS	YES	EXISTING LOW PRESSURE STEAM PIPING
M	STEM	MPIP	____	EXST	15	MPS	YES	EXISTING MEDIUM PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	MPIP	DBLN	EXST	15	CONTINUOUS	YES	EXISTING MEDIUM PRESSURE STEAM PIPING

6.21.2.3 HVAC Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
M	ANNO	COLN	____	FUTR	180	HIDDEN2	YES	FUTURE COLUMN LINE
M	ANNO	DIMS	____	FUTR	8	HIDDEN2	YES	FUTURE DIMENSIONS
M	ANNO	NOTE	____	FUTR	2	HIDDEN2	YES	FUTURE GENERAL NOTES AND REMARKS
M	ANNO	TEXT	____	FUTR	2	HIDDEN2	YES	FUTURE ANNOTATIONS
AVIATION FUEL								
M	AVFL	ABVE	____	FUTR	212	HIDDEN2	YES	FUTURE JET FUEL ABOVE GROUND
M	AVFL	BELW	____	FUTR	212	HIDDEN2	YES	FUTURE JET FUEL BELOW GROUND
M	AVFL	EQPT	____	FUTR	72	HIDDEN2	YES	FUTURE JET FUEL EQUIPMENT
M	AVFL	OUTS	____	FUTR	212	HIDDEN2	YES	FUTURE JET FUEL OUT OF SERVICE
M	AVFL	TANK	____	FUTR	72	HIDDEN2	YES	FUTURE JET FUEL TANKS
M	AVFL	VALV	____	FUTR	72	HIDDEN2	YES	FUTURE JET FUEL VALVES
BACKGROUND								
M	BKGD	____	____	FUTR	253	HIDDEN2	YES	FUTURE BACKGROUND FEATURES
M	BKGD	TEXT	____	FUTR	131	HIDDEN2	YES	FUTURE BACKGROUND FEATURE ANNOTATIONS
CONDENSER WATER								
M	CDWR	RETN	____	FUTR	152	HIDDEN2	YES	FUTURE CONDENSER WATER PIPING RETURN (SCHEMATIC)
M	CDWR	RETN	DBLN	FUTR	152	HIDDEN2	YES	FUTURE CONDENSER WATER PIPING RETURN
M	CDWR	SUPP	____	FUTR	152	HIDDEN2	YES	FUTURE CONDENSER WATER PIPING SUPPLY (SCHEMATIC)
M	CDWR	SUPP	DBLN	FUTR	152	HIDDEN2	YES	FUTURE CONDENSER WATER PIPING SUPPLY
CONDENSATE								
M	COND	HPIP	____	FUTR	131	HIDDEN2	YES	FUTURE HIGH PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	HPIP	DBLN	FUTR	131	HIDDEN2	YES	FUTURE HIGH PRESSURE CONDENSATE PIPING
M	COND	TEXT	____	FUTR	2	HIDDEN2	YES	FUTURE HIGH PRESSURE CONDENSATE TEXT
M	COND	LPIP	____	FUTR	131	HIDDEN2	YES	FUTURE LOW PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	LPIP	DBLN	FUTR	131	HIDDEN2	YES	FUTURE LOW PRESSURE CONDENSATE PIPING
M	COND	MPIP	____	FUTR	131	HIDDEN2	YES	FUTURE MEDIUM PRESSURE CONDENSATE PIPING (SCHEMATIC)

M	COND	MPIP	DBLN	FUTR	131	HIDDEN2	YES	FUTURE MEDIUM PRESSURE CONDENSATE PIPING
CHILLED WATER								
M	CHWR	RETN	____	FUTR	92	HIDDEN2	YES	FUTURE CHILLED WATER PIPING RETURN (SCHEMATIC)
M	CHWR	RETN	DBLN	FUTR	92	HIDDEN2	YES	FUTURE CHILLED WATER PIPING RETURN
M	CHWR	SUPP	____	FUTR	92	HIDDEN2	YES	FUTURE CHILLED WATER PIPING SUPPLY (SCHEMATIC)
M	CHWR	SUPP	DBLN	FUTR	92	HIDDEN2	YES	FUTURE CHILLED WATER PIPING SUPPLY
CONTROLS								
M	CTRL	DEVI	____	FUTR	131	HIDDEN2	YES	FUTURE CONTROL DEVICES
M	CTRL	LINK	____	FUTR	191	HIDDEN2	YES	FUTURE CONTROL / COMMUNICATION LINK
M	CTRL	TEXT	____	FUTR	2	HIDDEN2	YES	FUTURE CONTROL TEXT
DETAIL								
M	DETL	CABS	____	FUTR	249	HIDDEN2	YES	FUTURE CABINETS
M	DETL	DUCT	____	FUTR	131	HIDDEN2	YES	FUTURE DUCTS
M	DETL	EQPT	____	FUTR	92	HIDDEN2	YES	FUTURE EQUIPMENT AND FIXTURES
M	DETL	GENF	____	FUTR	234	HIDDEN2	YES	FUTURE GENERAL FEATURES
M	DETL	LVLE	____	FUTR	72	HIDDEN2	YES	FUTURE VALVES AND FITTINGS
M	DETL	PATT	____	FUTR	180	HIDDEN2	YES	FUTURE HATCH PATTERNS
M	DETL	PIPE	____	FUTR	212	HIDDEN2	YES	FUTURE PIPING
M	DETL	STRC	____	FUTR	191	HIDDEN2	YES	FUTURE STRUCTURAL SUPPORT FEATURES
M	DETL	WIRE	____	FUTR	53	HIDDEN2	YES	FUTURE ELECTRICAL WIRING
DUCT								
M	DUCT	DAMP	____	FUTR	131	HIDDEN2	YES	FUTURE FIRE DAMPER OR FIRE / SMOKE DAMPER
M	DUCT	DETR	____	FUTR	131	HIDDEN2	YES	FUTURE SMOKE OR HEAT DETECTOR
M	DUCT	EXHT	____	FUTR	212	HIDDEN2	YES	FUTURE EXHAUST DUCT WORK
M	DUCT	RETN	____	FUTR	10	HIDDEN2	YES	FUTURE RETURN DUCT WORK
M	DUCT	SUPL	____	FUTR	131	HIDDEN2	YES	FUTURE SUPPLY DUCT WORK
DUAL TEMPERATURE WATER SYSTEM								
M	DTWS	RETN	____	FUTR	92	HIDDEN2	YES	FUTURE DUAL TEMPERATURE WATER PIPING RETURN (SCHEMATIC)
M	DTWS	RETN	DBLN	FUTR	92	HIDDEN2	YES	FUTURE DUAL TEMPERATURE WATER PIPING RETURN
M	DTWS	SUPP	____	FUTR	92	HIDDEN2	YES	FUTURE DUAL TEMPERATURE WATER PIPING SUPPLY (SCHEMATIC)
M	DTWS	SUPP	DBLN	FUTR	92	HIDDEN2	YES	FUTURE DUAL TEMPERATURE WATER PIPING SUPPLY
ELEVATIONS								
M	ELEV	FIXT	____	FUTR	142	HIDDEN2	YES	FUTURE MISCELLANEOUS FEATURES
M	ELEV	IDEN	____	FUTR	46	HIDDEN2	YES	FUTURE COMPONENT IDENTIFICATION NUMBERS
M	ELEV	OTLN	____	FUTR	249	HIDDEN2	YES	FUTURE BUILDING OUTLINES
M	ELEV	PATT	____	FUTR	249	HIDDEN2	YES	FUTURE TEXTURES AND HATCH PATTERNS
M	ELEV	PFIX	____	FUTR	53	HIDDEN2	YES	FUTURE PLUMBING FIXTURES
ELEVATOR								
M	EVTR	____	____	FUTR	6	CONTINUOUS	YES	FUTURE ELEVATOR BLOCK INSERTION LAYER
M	EVTR	CAB_	____	FUTR	8	CONTINUOUS	YES	FUTURE ELEVATOR CAB

M	EVTR	STL_	____	FUTR	3	CONTINUOUS	YES	FUTURE ELEVATOR STRUCTURAL STEEL
M	EVTR	STL_	PLAT	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR STEEL PLATE
M	EVTR	STL_	POST	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR STEEL POSTS
M	EVTR	STL_	RODS	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR STEEL RODS
M	EVTR	BOLS	CHNL	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR BOLSTER CHANNELS
M	EVTR	CALL	KIOS	FUTR	5	CONTINUOUS	YES	FUTURE ELEVATOR CALL KIOSK
M	EVTR	CNWT	____	FUTR	5	CONTINUOUS	YES	FUTURE ELEVATOR COUNTER WEIGHTS
M	EVTR	CROS	____	FUTR	2	CONTINUOUS	YES	FUTURE ELEVATOR CAB CROSSHEAD
M	EVTR	DOOR	____	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR DOOR
M	EVTR	DOOR	MISC	FUTR	5	CONTINUOUS	YES	FUTURE MISCELLANEOUS DOOR ELEMENTS
M	EVTR	ENCL	____	FUTR	6	CONTINUOUS	YES	FUTURE ELEVATOR ENCLOSURE
M	EVTR	EQPM	____	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR EQUIPMENT
M	EVTR	GLAZ	____	FUTR	5	CONTINUOUS	YES	FUTURE ELEVATOR GLASS
M	EVTR	HIDN	____	FUTR	8	HIDDEN4	YES	FUTURE HIDDEN ELEVATOR ELEMENTS
M	EVTR	HRAL	____	FUTR	5	CONTINUOUS	YES	FUTURE ELEVATOR HANDRAIL
M	EVTR	HWAY	EQPM	FUTR	8	CONTINUOUS	YES	FUTURE ELEVATOR HOIST WAY EQUIPMENT
M	EVTR	HYDR	CYLR	FUTR	2	CONTINUOUS	YES	FUTURE ELEVATOR HYDRAULIC CYLINDER
M	EVTR	LUVR	____	FUTR	8	CONTINUOUS	YES	FUTURE ELEVATOR VENT LOUVERS
M	EVTR	MISC	____	FUTR	1	CONTINUOUS	YES	FUTURE MISCELLANEOUS ELEVATOR RELATED ELEMENTS
M	EVTR	PANL	____	FUTR	8	CONTINUOUS	YES	FUTURE ELEVATOR OPERATING PANEL
M	EVTR	PLFM	____	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR PLATFORM
M	EVTR	SECU	CMRA	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR SECURITY CAMERA
M	EVTR	SHFT	____	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR SHAFT
M	EVTR	SHRD	____	FUTR	5	CONTINUOUS	YES	FUTURE ELEVATOR SHROUD
M	EVTR	SILL	____	FUTR	6	CONTINUOUS	YES	FUTURE ELEVATOR SILL/THRESHOLD
M	EVTR	SPKR	____	FUTR	1	CONTINUOUS	YES	FUTURE ELEVATOR HANDSFREE SPEAKER PHONE
M	EVTR	STIL	____	FUTR	5	CONTINUOUS	YES	FUTURE ELEVATOR STILES
ESCALATOR								
M	ESCL	____	____	FUTR	1	CONTINUOUS	YES	FUTURE ESCALATOR BLOCK INSERTION LAYER
M	ESCL	ABVE	____	FUTR	8	DASHED5	YES	FUTURE ESCALATOR ABOVE (OR BLOCK INSERTION LAYER)
M	ESCL	BLOW	____	FUTR	8	DOT4	YES	FUTURE ESCALATOR BELOW (OR BLOCK INSERTION LAYER)
M	ESCL	ENCL	____	FUTR	1	CONTINUOUS	YES	FUTURE ESCALATOR BODY OUTLINE
M	ESCL	HRAL	____	FUTR	5	CONTINUOUS	YES	FUTURE ESCALATOR HANDRAIL
M	ESCL	HRAL	PANL	FUTR	8	CONTINUOUS	YES	FUTURE HANDRAIL INFILL PANEL – GLASS, METAL, ETC.
M	ESCL	MACH	HIDN	FUTR	8	DASHED5	YES	FUTURE ESCALATOR MACHINERY HIDDEN
M	ESCL	STRS	____	FUTR	1	CONTINUOUS	YES	FUTURE ESCALATOR TREADS
M	ESCL	WPNT	NPLT	FUTR	7	CONTINUOUS	NO	FUTURE ESCALATOR WORKING POINTS
FUEL								
M	FUEL	FORA	____	FUTR	131	HIDDEN2	YES	FUTURE FUEL OIL RETURN ABOVE
M	FUEL	FORU	____	FUTR	131	HIDDEN2	YES	FUTURE FUEL OIL RETURN BELOW

M	FUEL	FOSA	____	FUTR	131	HIDDEN2	YES	FUTURE FUEL OIL SUCTION ABOVE
M	FUEL	FOSU	____	FUTR	131	HIDDEN2	YES	FUTURE FUEL OIL SUCTION BELOW
M	FUEL	FOVA	____	FUTR	131	HIDDEN2	YES	FUTURE FUEL OIL TANK VENT ABOVE
M	FUEL	FOVU	____	FUTR	131	HIDDEN2	YES	FUTURE FUEL OIL TANK VENT BELOW
M	FUEL	TANK	____	FUTR	92	HIDDEN2	YES	FUTURE FUEL OIL TANK
HOT WATER								
M	HTWR	RETN	____	FUTR	10	HIDDEN2	YES	FUTURE HOT WATER PIPING RETURN (SCHEMATIC)
M	HTWR	RETN	DBLN	FUTR	10	HIDDEN2	YES	FUTURE HOT WATER PIPING RETURN
M	HTWR	SUPP	____	FUTR	10	HIDDEN2	YES	FUTURE HOT WATER PIPING SUPPLY (SCHEMATIC)
M	HTWR	SUPP	DBLN	FUTR	10	HIDDEN2	YES	FUTURE HOT WATER PIPING SUPPLY
HVAC								
M	HVAC	EQPM	____	FUTR	92	HIDDEN2	YES	FUTURE HVAC EQUIPMENT
M	HVAC	PATT	____	FUTR	180	HIDDEN2	YES	FUTURE HVAC HATCH PATTERNS
M	HVAC	TEXT	____	FUTR	2	HIDDEN2	YES	FUTURE HVAC ANNOTATIONS
HOT OIL - SNOW MELTING SYSTEM								
M	HTOL	COIL	____	FUTR	131	HIDDEN2	YES	FUTURE HOT OIL SNOW MELTING COIL (SCHEMATIC)
M	HTOL	COIL	DBLN	FUTR	131	HIDDEN2	YES	FUTURE HOT OIL SNOW MELTING COIL
M	HTOL	RETN	____	FUTR	92	HIDDEN2	YES	FUTURE HOT OIL SNOW MELTING RETURN PIPE (SCHEMATIC)
M	HTOL	RETN	DBLN	FUTR	92	HIDDEN2	YES	FUTURE HOT OIL SNOW MELTING RETURN PIPE
M	HTOL	SUPP	____	FUTR	10	HIDDEN2	YES	FUTURE HOT OIL SNOW MELTING SUPPLY PIPE (SCHEMATIC)
M	HTOL	SUPP	DBLN	FUTR	10	HIDDEN2	YES	FUTURE HOT OIL SNOW MELTING SUPPLY PIPE
M	HTOL	VLBX	____	FUTR	53	HIDDEN2	YES	FUTURE HOT OIL SNOW MELTING VALVE BOX
HIGH TEMPERATURE HOT WATER								
M	HTHW	RETN	____	FUTR	41	HIDDEN2	YES	FUTURE HIGH TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	HTHW	RETN	DBLN	FUTR	41	HIDDEN2	YES	FUTURE HIGH TEMPERATURE HOT WATER RETURN
M	HTHW	SUPP	____	FUTR	41	HIDDEN2	YES	FUTURE HIGH TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	HTHW	SUPP	DBLN	FUTR	41	HIDDEN2	YES	FUTURE HIGH TEMPERATURE HOT WATER SUPPLY
MEDIUM TEMPERATURE HOT WATER								
M	MTHW	RETN	____	FUTR	10	HIDDEN2	YES	FUTURE MEDIUM TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	MTHW	RETN	DBLN	FUTR	10	HIDDEN2	YES	FUTURE MEDIUM TEMPERATURE HOT WATER RETURN
M	MTHW	SUPP	____	FUTR	10	HIDDEN2	YES	FUTURE MEDIUM TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	MTHW	SUPP	DBLN	FUTR	10	HIDDEN2	YES	FUTURE MEDIUM TEMPERATURE HOT WATER SUPPLY
MISCELLANEOUS PIPING								
M	MISC	BBDN	____	FUTR	10	HIDDEN2	YES	FUTURE BOILER BLOW DOWN
M	MISC	BKGD	____	FUTR	249	HIDDEN2	YES	FUTURE BACKGROUND PIPING
M	MISC	CAIR	____	FUTR	131	HIDDEN2	YES	FUTURE COMPRESSED AIR
M	MISC	DRAN	____	FUTR	10	HIDDEN2	YES	FUTURE DRAIN PIPING
M	MISC	MWTR	____	FUTR	10	HIDDEN2	YES	FUTURE MAKEUP WATER
PRESENTATION								
M	PRES	RED_	____	FUTR	1	HIDDEN2	YES	FUTURE RED

REFRIGERANT								
M	REFG	DISG	____	FUTR	10	HIDDEN2	YES	FUTURE REFRIGERANT DISCHARGE (SCHEMATIC)
M	REFG	LIQD	____	FUTR	10	HIDDEN2	YES	FUTURE REFRIGERANT LIQUID (SCHEMATIC)
M	REFG	SCTN	____	FUTR	10	HIDDEN2	YES	FUTURE REFRIGERANT SUCTION (SCHEMATIC)
RIVER WATER								
M	RIVW	BKGD	____	FUTR	212	HIDDEN2	YES	FUTURE RIVER WATER BACKGROUND FEATURES
M	RIVW	RETN	____	FUTR	92	HIDDEN2	YES	FUTURE RIVER WATER RETURN
M	RIVW	SUPP	____	FUTR	212	HIDDEN2	YES	FUTURE RIVER WATER SUPPLY
M	RIVW	TUNL	____	FUTR	212	HIDDEN2	YES	FUTURE RIVER WATER TUNNEL
SECTIONS								
M	SECT	TEXT	____	FUTR	2	HIDDEN2	YES	FUTURE COMPONENT IDENTIFICATION NUMBERS
M	SECT	MBND	____	FUTR	249	HIDDEN2	YES	FUTURE MATERIALS BEYOND SECTION CUT
M	SECT	MCUT	____	FUTR	249	HIDDEN2	YES	FUTURE MATERIALS CUT BY SECTION
M	SECT	PATT	____	FUTR	249	HIDDEN2	YES	FUTURE TEXTURES AND HATCH PATTERNS
STEAM								
M	STEM	HPIP	____	FUTR	15	HIDDEN2	YES	FUTURE HIGH PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	HPIP	DBLN	FUTR	15	HIDDEN2	YES	FUTURE HIGH PRESSURE STEAM PIPING
M	STEM	LPIP	____	FUTR	15	HIDDEN2	YES	FUTURE LOW PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	LPIP	DBLN	FUTR	15	HIDDEN2	YES	FUTURE LOW PRESSURE STEAM PIPING
M	STEM	MPIP	____	FUTR	15	HIDDEN2	YES	FUTURE MEDIUM PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	MPIP	DBLN	FUTR	15	HIDDEN2	YES	FUTURE MEDIUM PRESSURE STEAM PIPING

6.21.2.4 HVAC Relocated Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
T	____	____	____	RELO	20	CONTINUOUS	YES	
GENERAL								
M	ANNO	COLN	____	RELO	22	CONTINUOUS	YES	RELOCATED ELEMENTS IN PLAN (THIN LINE)
M	ANNO	MLIN	____	RELO	22	CONTINUOUS	YES	RELOCATED ELEMENTS IN PLAN (THIN LINE)

6.21.2.5 HVAC Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION

ANNOTATION								
M	ANNO	COLN	____	RMVL	250	CENTER	YES	REMOVAL OF COLUMN LINE
M	ANNO	DIMS	____	RMVL	8	CONTINUOUS	YES	REMOVAL OF DIMENSIONS
M	ANNO	NOTE	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF GENERAL NOTES AND REMARKS
M	ANNO	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF ANNOTATIONS
AVIATION FUEL								
M	AVFL	ABVE	____	RMVL	6	AFS	YES	REMOVAL OF JET FUEL ABOVE GROUND
M	AVFL	BELW	____	RMVL	6	AFSU	YES	REMOVAL OF JET FUEL BELOW GROUND
M	AVFL	EQPT	____	RMVL	60	CONTINUOUS	YES	REMOVAL OF JET FUEL EQUIPMENT
M	AVFL	OUTS	____	RMVL	6	AFS	YES	REMOVAL OF JET FUEL OUT OF SERVICE
M	AVFL	TANK	____	RMVL	60	CONTINUOUS	YES	REMOVAL OF JET FUEL TANKS
M	AVFL	VALV	____	RMVL	60	CONTINUOUS	YES	REMOVAL OF JET FUEL VALVES
BACKGROUND								
M	BKGD	____	____	RMVL	253	CONTINUOUS	YES	REMOVAL OF BACKGROUND FEATURES
M	BKGD	TEXT	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF BACKGROUND FEATURE ANNOTATIONS
CONDENSER WATER								
M	CDWR	RETN	____	RMVL	150	HPC	YES	REMOVAL OF CONDENSER WATER PIPING RETURN (SCHEMATIC)
M	CDWR	RETN	DBLN	RMVL	150	CONTINUOUS	YES	REMOVAL OF CONDENSER WATER PIPING RETURN
M	CDWR	SUPP	____	RMVL	150	CHWS	YES	REMOVAL OF CONDENSER WATER PIPING SUPPLY (SCHEMATIC)
M	CDWR	SUPP	DBLN	RMVL	150	CONTINUOUS	YES	REMOVAL OF CONDENSER WATER PIPING SUPPLY
CONDENSATE								
M	COND	HPIP	____	RMVL	140	HPC	YES	REMOVAL OF HIGH PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	HPIP	DBLN	RMVL	140	CONTINUOUS	YES	REMOVAL OF HIGH PRESSURE CONDENSATE PIPING
M	COND	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF HIGH PRESSURE CONDENSATE TEXT
M	COND	LPIP	____	RMVL	140	LPC	YES	REMOVAL OF LOW PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	LPIP	DBLN	RMVL	140	CONTINUOUS	YES	REMOVAL OF LOW PRESSURE CONDENSATE PIPING
M	COND	MPIP	____	RMVL	140	MPC	YES	REMOVAL OF MEDIUM PRESSURE CONDENSATE PIPING (SCHEMATIC)
M	COND	MPIP	DBLN	RMVL	140	CONTINUOUS	YES	REMOVAL OF MEDIUM PRESSURE CONDENSATE PIPING
CHILLED WATER								
M	CHWR	RETN	____	RMVL	90	CWR	YES	REMOVAL OF CHILLED WATER PIPING RETURN (SCHEMATIC)
M	CHWR	RETN	DBLN	RMVL	90	CONTINUOUS	YES	REMOVAL OF CHILLED WATER PIPING RETURN
M	CHWR	SUPP	____	RMVL	90	CWS	YES	REMOVAL OF CHILLED WATER PIPING SUPPLY (SCHEMATIC)
M	CHWR	SUPP	DBLN	RMVL	90	CONTINUOUS	YES	REMOVAL OF CHILLED WATER PIPING SUPPLY
CONTROLS								
M	CTRL	DEVI	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF CONTROL DEVICES
M	CTRL	LINK	____	RMVL	170	DASHED	YES	REMOVAL OF CONTROL / COMMUNICATION LINK
M	CTRL	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF CONTROL TEXT
DETAIL								
M	DETL	CABS	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF CABINETS
M	DETL	DUCT	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF DUCTS

M	DETL	EQPT	____	RMVL	90	CONTINUOUS	YES	REMOVAL OF EQUIPMENT AND FIXTURES
M	DETL	GENF	____	RMVL	243	CONTINUOUS	YES	REMOVAL OF GENERAL FEATURES
M	DETL	LVLE	____	RMVL	60	CONTINUOUS	YES	REMOVAL OF VALVES AND FITTINGS
M	DETL	PATT	____	RMVL	8	CONTINUOUS	YES	REMOVAL OF HATCH PATTERNS
M	DETL	PIPE	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF PIPING
M	DETL	STRC	____	RMVL	170	CONTINUOUS	YES	REMOVAL OF STRUCTURAL SUPPORT FEATURES
M	DETL	WIRE	____	RMVL	83	CONTINUOUS	YES	REMOVAL OF ELECTRICAL WIRING
DUCT								
M	DUCT	DAMP	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF FIRE DAMPER OR FIRE / SMOKE DAMPER
M	DUCT	DETR	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF SMOKE OR HEAT DETECTOR
M	DUCT	EXHT	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF EXHAUST DUCT WORK
M	DUCT	RETN	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF RETURN DUCT WORK
M	DUCT	SUPL	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF SUPPLY DUCT WORK
DUAL TEMPERATURE WATER SYSTEM								
M	DTWS	RETN	____	RMVL	90	DTWR	YES	REMOVAL OF DUAL TEMPERATURE WATER PIPING RETURN (SCHEMATIC)
M	DTWS	RETN	DBLN	RMVL	90	CONTINUOUS	YES	REMOVAL OF DUAL TEMPERATURE WATER PIPING RETURN
M	DTWS	SUPP	____	RMVL	90	DTWS	YES	REMOVAL OF DUAL TEMPERATURE WATER PIPING SUPPLY (SCHEMATIC)
M	DTWS	SUPP	DBLN	RMVL	90	CONTINUOUS	YES	REMOVAL OF DUAL TEMPERATURE WATER PIPING SUPPLY
ELEVATIONS								
M	ELEV	FIXT	____	RMVL	241	CONTINUOUS	YES	REMOVAL OF MISCELLANEOUS FEATURES
M	ELEV	IDEN	____	RMVL	9	CONTINUOUS	YES	REMOVAL OF COMPONENT IDENTIFICATION NUMBERS
M	ELEV	OTLN	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF BUILDING OUTLINES
M	ELEV	PATT	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF TEXTURES AND HATCH PATTERNS
M	ELEV	PFIX	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF PLUMBING FIXTURES
ELEVATOR								
M	EVTR	____	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF ELEVATOR BLOCK INSERTION LAYER
M	EVTR	CAB_	____	RMVL	8	CONTINUOUS	YES	REMOVAL OF ELEVATOR CAB
M	EVTR	STL_	____	RMVL	3	CONTINUOUS	YES	REMOVAL OF ELEVATOR STRUCTURAL STEEL
M	EVTR	STL_	PLAT	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR STEEL PLATE
M	EVTR	STL_	POST	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR STEEL POSTS
M	EVTR	STL_	RODS	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR STEEL RODS
M	EVTR	BOLS	CHNL	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR BOLSTER CHANNELS
M	EVTR	CALL	KIOS	RMVL	5	CONTINUOUS	YES	REMOVAL OF ELEVATOR CALL KIOSK
M	EVTR	CNWT	____	RMVL	5	CONTINUOUS	YES	REMOVAL OF ELEVATOR COUNTER WEIGHTS
M	EVTR	CROS	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF ELEVATOR CAB CROSSHEAD
M	EVTR	DOOR	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR DOOR
M	EVTR	DOOR	MISC	RMVL	5	CONTINUOUS	YES	REMOVAL OF MISCELLANEOUS DOOR ELEMENTS
M	EVTR	ENCL	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF ELEVATOR ENCLOSURE
M	EVTR	EQPM	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR EQUIPMENT
M	EVTR	GLAZ	____	RMVL	5	CONTINUOUS	YES	REMOVAL OF ELEVATOR GLASS

M	EVTR	HIDN	____	RMVL	8	HIDDEN4	YES	REMOVAL OF HIDDEN ELEVATOR ELEMENTS
M	EVTR	HRAL	____	RMVL	5	CONTINUOUS	YES	REMOVAL OF ELEVATOR HANDRAIL
M	EVTR	HWAY	EQPM	RMVL	8	CONTINUOUS	YES	REMOVAL OF ELEVATOR HOIST WAY EQUIPMENT
M	EVTR	HYDR	CYLR	RMVL	2	CONTINUOUS	YES	REMOVAL OF ELEVATOR HYDRAULIC CYLINDER
M	EVTR	LUVR	____	RMVL	8	CONTINUOUS	YES	REMOVAL OF ELEVATOR VENT LOUVERS
M	EVTR	MISC	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF MISCELLANEOUS ELEVATOR RELATED ELEMENTS
M	EVTR	PANL	____	RMVL	8	CONTINUOUS	YES	REMOVAL OF ELEVATOR OPERATING PANEL
M	EVTR	PLFM	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR PLATFORM
M	EVTR	SECU	CMRA	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR SECURITY CAMERA
M	EVTR	SHFT	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR SHAFT
M	EVTR	SHRD	____	RMVL	5	CONTINUOUS	YES	REMOVAL OF ELEVATOR SHROUD
M	EVTR	SILL	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF ELEVATOR SILL/THRESHOLD
M	EVTR	SPKR	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ELEVATOR HANDSFREE SPEAKER PHONE
M	EVTR	STIL	____	RMVL	5	CONTINUOUS	YES	REMOVAL OF ELEVATOR STILES
ESCALATOR								
M	ESCL	____	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ESCALATOR BLOCK INSERTION LAYER
M	ESCL	ABVE	____	RMVL	8	DASHED5	YES	REMOVAL OF ESCALATOR ABOVE (OR BLOCK INSERTION LAYER)
M	ESCL	BLOW	____	RMVL	8	DOT4	YES	REMOVAL OF ESCALATOR BELOW (OR BLOCK INSERTION LAYER)
M	ESCL	ENCL	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ESCALATOR BODY OUTLINE
M	ESCL	HRAL	____	RMVL	5	CONTINUOUS	YES	REMOVAL OF ESCALATOR HANDRAIL
M	ESCL	HRAL	PANL	RMVL	8	CONTINUOUS	YES	REMOVAL OF HANDRAIL INFILL PANEL – GLASS, METAL, ETC.
M	ESCL	MACH	HIDN	RMVL	8	DASHED5	YES	REMOVAL OF ESCALATOR MACHINERY HIDDEN
M	ESCL	STRS	____	RMVL	1	CONTINUOUS	YES	REMOVAL OF ESCALATOR TREADS
M	ESCL	WPNT	NPLT	RMVL	7	CONTINUOUS	NO	REMOVAL OF ESCALATOR WORKING POINTS
FUEL								
M	FUEL	FORA	____	RMVL	140	FOR	YES	REMOVAL OF FUEL OIL RETURN ABOVE
M	FUEL	FORU	____	RMVL	140	FORU	YES	REMOVAL OF FUEL OIL RETURN BELOW
M	FUEL	FOSA	____	RMVL	140	FOS	YES	REMOVAL OF FUEL OIL SUCTION ABOVE
M	FUEL	FOSU	____	RMVL	140	FOSU	YES	REMOVAL OF FUEL OIL SUCTION BELOW
M	FUEL	FOVA	____	RMVL	140	FOV	YES	REMOVAL OF FUEL OIL TANK VENT ABOVE
M	FUEL	FOVU	____	RMVL	140	FOVU	YES	REMOVAL OF FUEL OIL TANK VENT BELOW
M	FUEL	TANK	____	RMVL	90	CONTINUOUS	YES	REMOVAL OF FUEL OIL TANK
HOT WATER								
M	HTWR	RETN	____	RMVL	231	HWR	YES	REMOVAL OF HOT WATER PIPING RETURN (SCHEMATIC)
M	HTWR	RETN	DBLN	RMVL	231	CONTINUOUS	YES	REMOVAL OF HOT WATER PIPING RETURN
M	HTWR	SUPP	____	RMVL	231	HWS	YES	REMOVAL OF HOT WATER PIPING SUPPLY (SCHEMATIC)
M	HTWR	SUPP	DBLN	RMVL	231	CONTINUOUS	YES	REMOVAL OF HOT WATER PIPING SUPPLY
HVAC								
M	HVAC	EQPM	____	RMVL	90	CONTINUOUS	YES	REMOVAL OF HVAC EQUIPMENT
M	HVAC	PATT	____	RMVL	8	CONTINUOUS	YES	REMOVAL OF HVAC HATCH PATTERNS

M	HVAC	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF HVAC ANNOTATIONS
HOT OIL - SNOW MELTING SYSTEM								
M	HTOL	COIL	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF HOT OIL SNOW MELTING COIL (SCHEMATIC)
M	HTOL	COIL	DBLN	RMVL	140	CONTINUOUS	YES	REMOVAL OF HOT OIL SNOW MELTING COIL
M	HTOL	RETN	____	RMVL	90	HOSMR	YES	REMOVAL OF HOT OIL SNOW MELTING RETURN PIPE (SCHEMATIC)
M	HTOL	RETN	DBLN	RMVL	90	CONTINUOUS	YES	REMOVAL OF HOT OIL SNOW MELTING RETURN PIPE
M	HTOL	SUPP	____	RMVL	231	HOSMS	YES	REMOVAL OF HOT OIL SNOW MELTING SUPPLY PIPE (SCHEMATIC)
M	HTOL	SUPP	DBLN	RMVL	231	CONTINUOUS	YES	REMOVAL OF HOT OIL SNOW MELTING SUPPLY PIPE
M	HTOL	VLBX	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF HOT OIL SNOW MELTING VALVE BOX
HIGH TEMPERATURE HOT WATER								
M	HTHW	RETN	____	RMVL	43	HTHWR	YES	REMOVAL OF HIGH TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	HTHW	RETN	DBLN	RMVL	43	CONTINUOUS	YES	REMOVAL OF HIGH TEMPERATURE HOT WATER RETURN
M	HTHW	SUPP	____	RMVL	43	HTHWS	YES	REMOVAL OF HIGH TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	HTHW	SUPP	DBLN	RMVL	43	CONTINUOUS	YES	REMOVAL OF HIGH TEMPERATURE HOT WATER SUPPLY
MEDIUM TEMPERATURE HOT WATER								
M	MTHW	RETN	____	RMVL	231	MTHWR	YES	REMOVAL OF MEDIUM TEMPERATURE HOT WATER RETURN (SCHEMATIC)
M	MTHW	RETN	DBLN	RMVL	231	CONTINUOUS	YES	REMOVAL OF MEDIUM TEMPERATURE HOT WATER RETURN
M	MTHW	SUPP	____	RMVL	231	MTHWS	YES	REMOVAL OF MEDIUM TEMPERATURE HOT WATER SUPPLY (SCHEMATIC)
M	MTHW	SUPP	DBLN	RMVL	231	CONTINUOUS	YES	REMOVAL OF MEDIUM TEMPERATURE HOT WATER SUPPLY
MISCELLANEOUS PIPING								
M	MISC	BBDN	____	RMVL	231	BBD	YES	REMOVAL OF BOILER BLOW DOWN
M	MISC	BKGD	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF BACKGROUND PIPING
M	MISC	CAIR	____	RMVL	140	A	YES	REMOVAL OF COMPRESSED AIR
M	MISC	DRAN	____	RMVL	231	D	YES	REMOVAL OF DRAIN PIPING
M	MISC	MWTR	____	RMVL	231	MU	YES	REMOVAL OF MAKEUP WATER
PRESENTATION								
M	PRES	RED_	____	RMVL	20	CONTINUOUS	YES	REMOVAL OF RED
REFRIGERANT								
M	REFG	DISG	____	RMVL	231	RD	YES	REMOVAL OF REFRIGERANT DISCHARGE (SCHEMATIC)
M	REFG	LIQD	____	RMVL	231	RL	YES	REMOVAL OF REFRIGERANT LIQUID (SCHEMATIC)
M	REFG	SCTN	____	RMVL	231	RS	YES	REMOVAL OF REFRIGERANT SUCTION (SCHEMATIC)
RIVER WATER								
M	RIVW	BKGD	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF RIVER WATER BACKGROUND FEATURES
M	RIVW	RETN	____	RMVL	90	CONTINUOUS	YES	REMOVAL OF RIVER WATER RETURN
M	RIVW	SUPP	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF RIVER WATER SUPPLY
M	RIVW	TUNL	____	RMVL	6	CONTINUOUS	YES	REMOVAL OF RIVER WATER TUNNEL
SECTIONS								
M	SECT	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF COMPONENT IDENTIFICATION NUMBERS
M	SECT	MBND	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF MATERIALS BEYOND SECTION CUT
M	SECT	MCUT	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF MATERIALS CUT BY SECTION
M	SECT	PATT	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF TEXTURES AND HATCH PATTERNS
STEAM								
M	STEM	HPIP	____	RMVL	35	HPS	YES	REMOVAL OF HIGH PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	HPIP	DBLN	RMVL	35	CONTINUOUS	YES	REMOVAL OF HIGH PRESSURE STEAM PIPING
M	STEM	LPIP	____	RMVL	35	LPS	YES	REMOVAL OF LOW PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	LPIP	DBLN	RMVL	35	CONTINUOUS	YES	REMOVAL OF LOW PRESSURE STEAM PIPING

M	STEM	MPIP	____	RMVL	35	MPS	YES	REMOVAL OF MEDIUM PRESSURE STEAM PIPING (SCHEMATIC)
M	STEM	MPIP	DBLN	RMVL	35	CONTINUOUS	YES	REMOVAL OF MEDIUM PRESSURE STEAM PIPING

6.21.2.6 HVAC Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT TEMPORARY LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
M	____	____	____	TEMP	234	CONTINUOUS	YES	

6.21.2.7 Fire Protection New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
F	ANNO	CHNG			2	CONTINUOUS	YES	IDENTIFICATION OF UPDATED WORK
F	ANNO	DIMS			8	CONTINUOUS	YES	DIMENSIONS
F	ANNO	KEYN			2	CONTINUOUS	YES	KEYNOTES
F	ANNO	MLIN			6	CONTINUOUS	YES	MATCH LINES
F	ANNO	NOTE			2	CONTINUOUS	YES	GENERAL NOTES AND REMARKS
F	ANNO	NPLT			8	CONTINUOUS	NO	CONSTRUCTION AND REFERENCE LINES
F	ANNO	SYMB			2	CONTINUOUS	YES	MISCELLANEOUS SYMBOLS
F	ANNO	TEXT			2	CONTINUOUS	YES	MISCELLANEOUS ANNOTATIONS
F	ANNO	TTLB			2	CONTINUOUS	YES	BORDERS
F	ANNO	VPRT			7	CONTINUOUS	YES	VIEW PORTS
DETAIL								
F	DETL	CABS			7	CONTINUOUS	YES	HOSE CABINETS
F	DETL	DUCT			140	CONTINUOUS	YES	DUCTS
F	DETL	EQPT			90	CONTINUOUS	YES	EQUIPMENT AND FIXTURES
F	DETL	FANS			90	CONTINUOUS	YES	FANS
F	DETL	GENF			243	CONTINUOUS	YES	GENERAL FEATURES
F	DETL	GRLS			140	CONTINUOUS	YES	GRILLES AND LOUVERS
F	DETL	LVLE			60	CONTINUOUS	YES	VALVES AND FITTINGS
F	DETL	PUMP			60	CONTINUOUS	YES	PUMPS AND COMPRESSORS
F	DETL	STRC			170	CONTINUOUS	YES	STRUCTURAL SUPPORT FEATURES
F	DETL	VENT			35	DASHED	YES	VENTS
F	DETL	WIRE			83	CONTINUOUS	YES	ELECTRICAL WIRING
ELEVATIONS								

F	ELEV	FIXT			241	CONTINUOUS	YES	MISCELLANEOUS FIXTURES
F	ELEV	IDEN			9	CONTINUOUS	YES	COMPONENT IDENTIFICATION NUMBERS
F	ELEV	OTLN			7	CONTINUOUS	YES	BUILDING OUTLINES
F	ELEV	PATT			7	CONTINUOUS	YES	TEXTURES AND PATTERNS
F	ELEV	PFIX			2	CONTINUOUS	YES	PLUMBING FIXTURES
CO2								
F	CO2_				231	CONTINUOUS	YES	CO2 SYSTEM
F	CO2_	EQPM			231	CONTINUOUS	YES	CO2 EQUIPMENT
F	CO2_	HEAD			231	CONTINUOUS	YES	CO2 HEAD
F	CO2_	PIPE			131	CO2	YES	CO2 SPRINKLER PIPING
FM200								
F	FM2_				231	CONTINUOUS	YES	FM 200 SYSTEM
F	FM2_	EQPM			231	CONTINUOUS	YES	FM 200 EQUIPMENT
F	FM2_	HEAD			231	CONTINUOUS	YES	FM 200 HEAD
F	FM2_	PIPE			131	FM_200	YES	FM 200 SPRINKLER PIPING
INERGEN								
F	INGN				231	CONTINUOUS	YES	INERGEN SYSTEM
F	INGN	EQPM			231	CONTINUOUS	YES	INERGEN EQUIPMENT
F	INGN	HEAD			231	CONTINUOUS	YES	INERGEN HEAD
F	INGN	PIPE			131	INERGEN	YES	INERGEN PIPING
SECTIONS								
F	SECT	IDEN			2	CONTINUOUS	YES	COMPONENT IDENTIFICATION NUMBERS
F	SECT	MBND			7	CONTINUOUS	YES	MATERIALS BEYOND SECTION CUT
F	SECT	MCUT			7	CONTINUOUS	YES	MATERIALS CUT BY SECTION
F	SECT	PATT			7	CONTINUOUS	YES	TEXTURES AND PATTERNS
SPRINKLER								
F	WET_	EQUP			231	CONTINUOUS	YES	WET SPRINKLER EQUIPMENT
F	WET_	HEAD			131	CONTINUOUS	YES	WET SPRINKLER HEADS
F	WET_	HEAD	PNDT		131	CONTINUOUS	YES	WET SPRINKLER PENDANT HEADS
F	WET_	HEAD	CONC		131	CONTINUOUS	YES	WET SPRINKLER CONCEALED HEADS
F	WET_	HEAD	RECD		131	CONTINUOUS	YES	WET SPRINKLER RECESSED HEADS
F	WET_	HEAD	SIDE		131	CONTINUOUS	YES	WET SPRINKLERSIDEWALL HEADS
F	WET_	HEAD	UPRT		131	CONTINUOUS	YES	WET SPRINKLER UPRIGHT HEADS
F	WET_	PIPE			131	SP	YES	WET SPRINKLER PIPING
F	DELU	EQUP			231	CONTINUOUS	YES	DELUGE SPRINKLER EQUIPMENT
F	DELU	HEAD			131	CONTINUOUS	YES	DELUGE SPRINKLER HEADS
F	DELU	HEAD	PNDT		131	CONTINUOUS	YES	DELUGE SPRINKLER PENDANT HEADS
F	DELU	HEAD	CONC		131	CONTINUOUS	YES	DELUGE SPRINKLER CONCEALED HEADS
F	DELU	HEAD	RECD		131	CONTINUOUS	YES	DELUGE SPRINKLER RECESSED HEADS
F	DELU	HEAD	SIDE		131	CONTINUOUS	YES	DELUGE SPRINKLER SIDEWALL HEADS
F	DELU	HEAD	UPRT		131	CONTINUOUS	YES	DELUGE SPRINKLER UPRIGHT HEADS

F	DELU	PIPE			131	DEL	YES	DELUGE SPRINKLER PIPING
F	DRYC	EQUP			231	CONTINUOUS	YES	DRY CHEMICAL SPRINKLER EQUIPMENT
F	DRYC	HEAD			131	CONTINUOUS	YES	DRY CHEMICAL SPRINKLER HEADS
F	DRYC	HEAD	PNDT		131	CONTINUOUS	YES	DRY CHEMICAL SPRINKLER PENDANT HEADS
F	DRYC	HEAD	CONC		131	CONTINUOUS	YES	DRY CHEMICAL SPRINKLER CONCEALED HEADS
F	DRYC	HEAD	RECD		131	CONTINUOUS	YES	DRY CHEMICAL SPRINKLER RECESSED HEADS
F	DRYC	HEAD	SIDE		131	CONTINUOUS	YES	DRY CHEMICAL SPRINKLER SIDEWALL HEADS
F	DRYC	HEAD	UPRT		131	CONTINUOUS	YES	DRY CHEMICAL SPRINKLER UPRIGHT HEADS
F	DRYC	PIPE			131	DRY_CHEM	YES	DRY CHEMICAL SPRINKLER PIPING
F	DRY_	EQUP			231	CONTINUOUS	YES	DRY SPRINKLER EQUIPMENT
F	DRY_	HEAD			131	CONTINUOUS	YES	DRY SPRINKLER HEADS
F	DRY_	HEAD	PNDT		131	CONTINUOUS	YES	DRY SPRINKLER PENDANT HEADS
F	DRY_	HEAD	CONC		131	CONTINUOUS	YES	DRY SPRINKLER CONCEALED HEADS
F	DRY_	HEAD	RECD		131	CONTINUOUS	YES	DRY SPRINKLER RECESSED HEADS
F	DRY_	HEAD	SIDE		131	CONTINUOUS	YES	DRY SPRINKLER SIDEWALL HEADS
F	DRY_	HEAD	UPRT		131	CONTINUOUS	YES	DRY SPRINKLER UPRIGHT HEADS
F	DRY_	PIPE			131	DRY	YES	DRY SPRINKLER PIPING
F	FOAM	EQUP			231	CONTINUOUS	YES	FOAM SPRINKLER EQUIPMENT
F	FOAM	HEAD			131	CONTINUOUS	YES	FOAM SPRINKLER HEADS
F	FOAM	HEAD	PNDT		131	CONTINUOUS	YES	FOAM SPRINKLER PENDANT HEADS
F	FOAM	HEAD	CONC		131	CONTINUOUS	YES	FOAM SPRINKLER CONCEALED HEADS
F	FOAM	HEAD	RECD		131	CONTINUOUS	YES	FOAM SPRINKLER RECESSED HEADS
F	FOAM	HEAD	SIDE		131	CONTINUOUS	YES	FOAM SPRINKLER SIDEWALL HEADS
F	FOAM	HEAD	UPRT		131	CONTINUOUS	YES	FOAM SPRINKLER UPRIGHT HEADS
F	FOAM	PIPE			131	FOAM	YES	FOAM SPRINKLER PIPING
F	PREA	EQUP			231	CONTINUOUS	YES	PRE-ACTION SPRINKLER EQUIPMENT
F	PREA	HEAD			131	CONTINUOUS	YES	PRE-ACTION SPRINKLER HEADS
F	PREA	HEAD	PNDT		131	CONTINUOUS	YES	PRE-ACTION SPRINKLER PENDANT HEADS
F	PREA	HEAD	CONC		131	CONTINUOUS	YES	PRE-ACTION SPRINKLER CONCEALED HEADS
F	PREA	HEAD	RECD		131	CONTINUOUS	YES	PRE-ACTION SPRINKLER RECESSED HEADS
F	PREA	HEAD	SIDE		131	CONTINUOUS	YES	PRE-ACTION SPRINKLER SIDEWALL HEADS
F	PREA	HEAD	UPRT		131	CONTINUOUS	YES	PRE-ACTION SPRINKLER UPRIGHT HEADS
F	PREA	PIPE			131	CONTINUOUS	YES	PRE-ACTION SPRINKLER PIPING
F	SPKL	TEXT			2	CONTINUOUS	YES	FIRE PROTECTION ANNOTATIONS
XREF								
F	XREF				7	CONTINUOUS	YES	EXTERNALLY REFERENCED DRAWINGS
F	XREF	RAST			7	CONTINUOUS	YES	RASTER IMAGES

6.21.2.8 Fire Protection Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
F	ANNO	DIMS	____	FUTR	8	HIDDEN2	YES	FUTURE DIMENSIONS
F	ANNO	NOTE	____	FUTR	2	HIDDEN2	YES	FUTURE GENERAL NOTES AND REMARKS
F	ANNO	TEXT	____	FUTR	2	HIDDEN2	YES	FUTURE MISCELLANEOUS ANNOTATIONS
DETAIL								
F	DETL	CABS	____	FUTR	249	HIDDEN2	YES	FUTURE HOSE CABINETS
F	DETL	DUCT	____	FUTR	131	HIDDEN2	YES	FUTURE DUCTS
F	DETL	EQPT	____	FUTR	92	HIDDEN2	YES	FUTURE EQUIPMENT AND FIXTURES
F	DETL	FANS	____	FUTR	92	HIDDEN2	YES	FUTURE FANS
F	DETL	GENF	____	FUTR	234	HIDDEN2	YES	FUTURE GENERAL FEATURES
F	DETL	GRLS	____	FUTR	131	HIDDEN2	YES	FUTURE GRILLES AND LOUVERS
F	DETL	LVLE	____	FUTR	72	HIDDEN2	YES	FUTURE VALVES AND FITTINGS
F	DETL	PUMP	____	FUTR	72	HIDDEN2	YES	FUTURE PUMPS AND COMPRESSORS
F	DETL	STRC	____	FUTR	191	HIDDEN2	YES	FUTURE STRUCTURAL SUPPORT FEATURES
F	DETL	VENT	____	FUTR	15	HIDDEN2	YES	FUTURE VENTS
F	DETL	WIRE	____	FUTR	53	HIDDEN2	YES	FUTURE ELECTRICAL WIRING
ELEVATIONS								
F	ELEV	FIXT	____	FUTR	240	HIDDEN2	YES	FUTURE MISCELLANEOUS FIXTURES
F	ELEV	IDEN	____	FUTR	46	HIDDEN2	YES	FUTURE COMPONENT IDENTIFICATION NUMBERS
F	ELEV	OTLN	____	FUTR	249	HIDDEN2	YES	FUTURE BUILDING OUTLINES
F	ELEV	PATT	____	FUTR	249	HIDDEN2	YES	FUTURE TEXTURES AND PATTERNS
F	ELEV	PFIX	____	FUTR	53	HIDDEN2	YES	FUTURE PLUMBING FIXTURES
CO2								
F	CO2_		____	FUTR	10	HIDDEN2	YES	FUTURE CO2 SYSTEM
F	CO2_	EQPM	____	FUTR	10	HIDDEN2	YES	FUTURE CO2 EQUIPMENT
F	CO2_	HEAD	____	FUTR	10	HIDDEN2	YES	FUTURE CO2 HEAD
F	CO2_	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE CO2 SPRINKLER PIPING
FM200								
F	FM2_		____	FUTR	10	HIDDEN2	YES	FUTURE FM 200 SYSTEM
F	FM2_	EQPM	____	FUTR	10	HIDDEN2	YES	FUTURE FM 200 EQUIPMENT
F	FM2_	HEAD	____	FUTR	10	HIDDEN2	YES	FUTURE FM 200 HEAD
F	FM2_	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE FM 200 SPRINKLER PIPING
INERGEN								
F	INGN	EQPM	____	FUTR	249	HIDDEN2	YES	FUTURE MATERIALS BEYOND SECTION CUT

F	INGN	HEAD	____	FUTR	249	HIDDEN2	YES	FUTURE MATERIALS CUT BY SECTION
F	INGN	PIPE	____	FUTR	249	HIDDEN2	YES	FUTURE TEXTURES AND PATTERNS
SECTIONS								
F	SECT	IDEN	____	FUTR	249	HIDDEN2	YES	FUTURE MATERIALS BEYOND SECTION CUT
F	SECT	MBND	____	FUTR	249	HIDDEN2	YES	FUTURE MATERIALS CUT BY SECTION
F	SECT	MCUT	____	FUTR	249	HIDDEN2	YES	FUTURE TEXTURES AND PATTERNS
F	SECT	PATT	____	FUTR	7	CONTINUOUS	YES	REMOVAL OF TEXTURES AND PATTERNS
SPRINKLER								
F	WET_	EQUP	____	FUTR	10	HIDDEN2	YES	FUTURE WET SPRINKLER EQUIPMENT
F	WET_	HEAD	____	FUTR	130	HIDDEN2	YES	FUTURE WET SPRINKLER HEADS
F	WET_	HEAD	PNDT	FUTR	130	HIDDEN2	YES	FUTURE WET SPRINKLER PENDANT HEADS
F	WET_	HEAD	CONC	FUTR	130	HIDDEN2	YES	FUTURE WET SPRINKLER CONCEALED HEADS
F	WET_	HEAD	RECD	FUTR	130	HIDDEN2	YES	FUTURE WET SPRINKLER RECESSED HEADS
F	WET_	HEAD	SIDE	FUTR	130	HIDDEN2	YES	FUTURE WET SPRINKLERSIDEWALL HEADS
F	WET_	HEAD	UPRT	FUTR	130	HIDDEN2	YES	FUTURE WET SPRINKLER UPRIGHT HEADS
F	WET_	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE WET SPRINKLER PIPING
F	DELU	EQUP	____	FUTR	10	HIDDEN2	YES	FUTURE DELUGE SPRINKLER EQUIPMENT
F	DELU	HEAD	____	FUTR	130	HIDDEN2	YES	FUTURE DELUGE SPRINKLER HEADS
F	DELU	HEAD	PNDT	FUTR	130	HIDDEN2	YES	FUTURE DELUGE SPRINKLER PENDANT HEADS
F	DELU	HEAD	CONC	FUTR	130	HIDDEN2	YES	FUTURE DELUGE SPRINKLER CONCEALED HEADS
F	DELU	HEAD	RECD	FUTR	130	HIDDEN2	YES	FUTURE DELUGE SPRINKLER RECESSED HEADS
F	DELU	HEAD	SIDE	FUTR	130	HIDDEN2	YES	FUTURE DELUGE SPRINKLER SIDEWALL HEADS
F	DELU	HEAD	UPRT	FUTR	130	HIDDEN2	YES	FUTURE DELUGE SPRINKLER UPRIGHT HEADS
F	DELU	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE DELUGE SPRINKLER PIPING
F	DRYC	EQUP	____	FUTR	10	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER EQUIPMENT
F	DRYC	HEAD	____	FUTR	130	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER HEADS
F	DRYC	HEAD	PNDT	FUTR	130	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER PENDANT HEADS
F	DRYC	HEAD	CONC	FUTR	130	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER CONCEALED HEADS
F	DRYC	HEAD	RECD	FUTR	130	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER RECESSED HEADS
F	DRYC	HEAD	SIDE	FUTR	130	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER SIDEWALL HEADS
F	DRYC	HEAD	UPRT	FUTR	130	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER UPRIGHT HEADS
F	DRYC	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE DRY CHEMICAL SPRINKLER PIPING
F	DRY_	EQUP	____	FUTR	10	HIDDEN2	YES	FUTURE DRY SPRINKLER EQUIPMENT
F	DRY_	HEAD	____	FUTR	130	HIDDEN2	YES	FUTURE DRY SPRINKLER HEADS
F	DRY_	HEAD	PNDT	FUTR	130	HIDDEN2	YES	FUTURE DRY SPRINKLER PENDANT HEADS
F	DRY_	HEAD	CONC	FUTR	130	HIDDEN2	YES	FUTURE DRY SPRINKLER CONCEALED HEADS
F	DRY_	HEAD	RECD	FUTR	130	HIDDEN2	YES	FUTURE DRY SPRINKLER RECESSED HEADS
F	DRY_	HEAD	SIDE	FUTR	130	HIDDEN2	YES	FUTURE DRY SPRINKLER SIDEWALL HEADS

F	DRY_	HEAD	UPRT	FUTR	130	HIDDEN2	YES	FUTURE DRY SPRINKLER UPRIGHT HEADS
F	DRY_	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE DRY SPRINKLER PIPING
F	FOAM	EQUP	____	FUTR	10	HIDDEN2	YES	FUTURE FOAM SPRINKLER EQUIPMENT
F	FOAM	HEAD	____	FUTR	130	HIDDEN2	YES	FUTURE FOAM SPRINKLER HEADS
F	FOAM	HEAD	PNDT	FUTR	130	HIDDEN2	YES	FUTURE FOAM SPRINKLER PENDANT HEADS
F	FOAM	HEAD	CONC	FUTR	130	HIDDEN2	YES	FUTURE FOAM SPRINKLER CONCEALED HEADS
F	FOAM	HEAD	RECD	FUTR	130	HIDDEN2	YES	FUTURE FOAM SPRINKLER RECESSED HEADS
F	FOAM	HEAD	SIDE	FUTR	130	HIDDEN2	YES	FUTURE FOAM SPRINKLER SIDEWALL HEADS
F	FOAM	HEAD	UPRT	FUTR	130	HIDDEN2	YES	FUTURE FOAM SPRINKLER UPRIGHT HEADS
F	FOAM	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE FOAM SPRINKLER PIPING
F	PREA	EQUP	____	FUTR	10	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER EQUIPMENT
F	PREA	HEAD	____	FUTR	130	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER HEADS
F	PREA	HEAD	PNDT	FUTR	130	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER PENDANT HEADS
F	PREA	HEAD	CONC	FUTR	130	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER CONCEALED HEADS
F	PREA	HEAD	RECD	FUTR	130	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER RECESSED HEADS
F	PREA	HEAD	SIDE	FUTR	130	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER SIDEWALL HEADS
F	PREA	HEAD	UPRT	FUTR	130	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER UPRIGHT HEADS
F	PREA	PIPE	____	FUTR	130	HIDDEN2	YES	FUTURE PRE-ACTION SPRINKLER PIPING
F	SPKL	TEXT	____	FUTR	53	HIDDEN2	YES	FUTURE FIRE PROTECTION ANNOTATIONS

6.21.2.9 Fire Protection Relocated Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
F	ANNO	DIMS		RELO	8	CONTINUOUS	YES	RELOCATED DIMENSIONS
F	ANNO	NOTE		RELO	2	CONTINUOUS	YES	RELOCATED GENERAL NOTES AND REMARKS
F	ANNO	TEXT		RELO	2	CONTINUOUS	YES	RELOCATED MISCELLANEOUS ANNOTATIONS
DETAIL								
F	DETL	CABS		RELO	7	CONTINUOUS	YES	RELOCATED HOSE CABINETS
F	DETL	DUCT		RELO	140	CONTINUOUS	YES	RELOCATED DUCTS
F	DETL	EQPT		RELO	90	CONTINUOUS	YES	RELOCATED EQUIPMENT AND FIXTURES
F	DETL	FANS		RELO	90	CONTINUOUS	YES	RELOCATED FANS
F	DETL	GENF		RELO	243	CONTINUOUS	YES	RELOCATED GENERAL FEATURES
F	DETL	GRLS		RELO	140	CONTINUOUS	YES	RELOCATED GRILLES AND LOUVERS
F	DETL	LVLE		RELO	60	CONTINUOUS	YES	RELOCATED VALVES AND FITTINGS

F	DETL	PUMP		RELO	60	CONTINUOUS	YES	RELOCATED PUMPS AND COMPRESSORS
F	DETL	STRC		RELO	170	CONTINUOUS	YES	RELOCATED STRUCTURAL SUPPORT FEATURES
F	DETL	VENT		RELO	35	DASHED	YES	RELOCATED VENTS
F	DETL	WIRE		RELO	83	CONTINUOUS	YES	RELOCATED ELECTRICAL WIRING
ELEVATIONS								
F	ELEV	FIXT		RELO	241	CONTINUOUS	YES	RELOCATED MISCELLANEOUS FIXTURES
F	ELEV	IDEN		RELO	9	CONTINUOUS	YES	RELOCATED COMPONENT IDENTIFICATION NUMBERS
F	ELEV	OTLN		RELO	7	CONTINUOUS	YES	RELOCATED BUILDING OUTLINES
F	ELEV	PATT		RELO	7	CONTINUOUS	YES	RELOCATED TEXTURES AND PATTERNS
F	ELEV	PFIX		RELO	2	CONTINUOUS	YES	RELOCATED PLUMBING FIXTURES
CO2								
F	CO2_			RELO	231	CONTINUOUS	YES	RELOCATED CO2 SYSTEM
F	CO2_	EQPM		RELO	231	CONTINUOUS	YES	RELOCATED CO2 EQUIPMENT
F	CO2_	HEAD		RELO	231	CONTINUOUS	YES	RELOCATED CO2 HEAD
F	CO2_	PIPE		RELO	131	CO2	YES	RELOCATED CO2 SPRINKLER PIPING
FM200								
F	FM2_			RELO	231	CONTINUOUS	YES	RELOCATED FM 200 SYSTEM
F	FM2_	EQPM		RELO	231	CONTINUOUS	YES	RELOCATED FM 200 EQUIPMENT
F	FM2_	HEAD		RELO	231	CONTINUOUS	YES	RELOCATED FM 200 HEAD
F	FM2_	PIPE		RELO	131	FM_200	YES	RELOCATED FM 200 SPRINKLER PIPING
INERGEN								
F	INGN			RELO	231	CONTINUOUS	YES	RELOCATED INERGEN SYSTEM
F	INGN	EQPM		RELO	231	CONTINUOUS	YES	RELOCATED INERGEN EQUIPMENT
F	INGN	HEAD		RELO	231	CONTINUOUS	YES	RELOCATED INERGEN HEAD
F	INGN	PIPE		RELO	131	INERGEN	YES	RELOCATED INERGEN PIPING
SECTIONS								
F	SECT	MBND		RELO	7	CONTINUOUS	YES	RELOCATED MATERIALS BEYOND SECTION CUT
F	SECT	MCUT		RELO	7	CONTINUOUS	YES	RELOCATED MATERIALS CUT BY SECTION
F	SECT	PATT		RELO	7	CONTINUOUS	YES	RELOCATED TEXTURES AND PATTERNS
SPRINKLER								
F	WET_	EQUP		RELO	231	CONTINUOUS	YES	RELOCATED WET SPRINKLER EQUIPMENT
F	WET_	HEAD		RELO	131	CONTINUOUS	YES	RELOCATED WET SPRINKLER HEADS
F	WET_	HEAD	PNDT	RELO	131	CONTINUOUS	YES	RELOCATED WET SPRINKLER PENDANT HEADS
F	WET_	HEAD	CONC	RELO	131	CONTINUOUS	YES	RELOCATED WET SPRINKLER CONCEALED HEADS
F	WET_	HEAD	RECD	RELO	131	CONTINUOUS	YES	RELOCATED WET SPRINKLER RECESSED HEADS
F	WET_	HEAD	SIDE	RELO	131	CONTINUOUS	YES	RELOCATED WET SPRINKLERSIDEWALL HEADS
F	WET_	HEAD	UPRT	RELO	131	CONTINUOUS	YES	RELOCATED WET SPRINKLER UPRIGHT HEADS
F	WET_	PIPE		RELO	131	SP	YES	RELOCATED WET SPRINKLER PIPING

F	DELU	EQUP		RELO	231	CONTINUOUS	YES	RELOCATED DELUGE SPRINKLER EQUIPMENT
F	DELU	HEAD		RELO	131	CONTINUOUS	YES	RELOCATED DELUGE SPRINKLER HEADS
F	DELU	HEAD	PNDT	RELO	131	CONTINUOUS	YES	RELOCATED DELUGE SPRINKLER PENDANT HEADS
F	DELU	HEAD	CONC	RELO	131	CONTINUOUS	YES	RELOCATED DELUGE SPRINKLER CONCEALED HEADS
F	DELU	HEAD	RECD	RELO	131	CONTINUOUS	YES	RELOCATED DELUGE SPRINKLER RECESSED HEADS
F	DELU	HEAD	SIDE	RELO	131	CONTINUOUS	YES	RELOCATED DELUGE SPRINKLER SIDEWALL HEADS
F	DELU	HEAD	UPRT	RELO	131	CONTINUOUS	YES	RELOCATED DELUGE SPRINKLER UPRIGHT HEADS
F	DELU	PIPE		RELO	131	DEL	YES	RELOCATED DELUGE SPRINKLER PIPING
F	DRYC	EQUP		RELO	231	CONTINUOUS	YES	RELOCATED DRY CHEMICAL SPRINKLER EQUIPMENT
F	DRYC	HEAD		RELO	131	CONTINUOUS	YES	RELOCATED DRY CHEMICAL SPRINKLER HEADS
F	DRYC	HEAD	PNDT	RELO	131	CONTINUOUS	YES	RELOCATED DRY CHEMICAL SPRINKLER PENDANT HEADS
F	DRYC	HEAD	CONC	RELO	131	CONTINUOUS	YES	RELOCATED DRY CHEMICAL SPRINKLER CONCEALED HEADS
F	DRYC	HEAD	RECD	RELO	131	CONTINUOUS	YES	RELOCATED DRY CHEMICAL SPRINKLER RECESSED HEADS
F	DRYC	HEAD	SIDE	RELO	131	CONTINUOUS	YES	RELOCATED DRY CHEMICAL SPRINKLER SIDEWALL HEADS
F	DRYC	HEAD	UPRT	RELO	131	CONTINUOUS	YES	RELOCATED DRY CHEMICAL SPRINKLER UPRIGHT HEADS
F	DRYC	PIPE		RELO	131	DRY_CHEM	YES	RELOCATED DRY CHEMICAL SPRINKLER PIPING
F	DRY_	EQUP		RELO	231	CONTINUOUS	YES	RELOCATED DRY SPRINKLER EQUIPMENT
F	DRY_	HEAD		RELO	131	CONTINUOUS	YES	RELOCATED DRY SPRINKLER HEADS
F	DRY_	HEAD	PNDT	RELO	131	CONTINUOUS	YES	RELOCATED DRY SPRINKLER PENDANT HEADS
F	DRY_	HEAD	CONC	RELO	131	CONTINUOUS	YES	RELOCATED DRY SPRINKLER CONCEALED HEADS
F	DRY_	HEAD	RECD	RELO	131	CONTINUOUS	YES	RELOCATED DRY SPRINKLER RECESSED HEADS
F	DRY_	HEAD	SIDE	RELO	131	CONTINUOUS	YES	RELOCATED DRY SPRINKLER SIDEWALL HEADS
F	DRY_	HEAD	UPRT	RELO	131	CONTINUOUS	YES	RELOCATED DRY SPRINKLER UPRIGHT HEADS
F	DRY_	PIPE		RELO	131	DRY	YES	RELOCATED DRY SPRINKLER PIPING
F	FOAM	EQUP		RELO	231	CONTINUOUS	YES	RELOCATED FOAM SPRINKLER EQUIPMENT
F	FOAM	HEAD		RELO	131	CONTINUOUS	YES	RELOCATED FOAM SPRINKLER HEADS
F	FOAM	HEAD	PNDT	RELO	131	CONTINUOUS	YES	RELOCATED FOAM SPRINKLER PENDANT HEADS
F	FOAM	HEAD	CONC	RELO	131	CONTINUOUS	YES	RELOCATED FOAM SPRINKLER CONCEALED HEADS
F	FOAM	HEAD	RECD	RELO	131	CONTINUOUS	YES	RELOCATED FOAM SPRINKLER RECESSED HEADS
F	FOAM	HEAD	SIDE	RELO	131	CONTINUOUS	YES	RELOCATED FOAM SPRINKLER SIDEWALL HEADS
F	FOAM	HEAD	UPRT	RELO	131	CONTINUOUS	YES	RELOCATED FOAM SPRINKLER UPRIGHT HEADS
F	FOAM	PIPE		RELO	131	FOAM	YES	RELOCATED FOAM SPRINKLER PIPING
F	PREA	EQUP		RELO	231	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER EQUIPMENT
F	PREA	HEAD		RELO	131	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER HEADS
F	PREA	HEAD	PNDT	RELO	131	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER PENDANT HEADS
F	PREA	HEAD	CONC	RELO	131	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER CONCEALED HEADS
F	PREA	HEAD	RECD	RELO	131	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER RECESSED HEADS
F	PREA	HEAD	SIDE	RELO	131	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER SIDEWALL HEADS

F	PREA	HEAD	UPRT	RELO	131	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER UPRIGHT HEADS
F	PREA	PIPE		RELO	131	CONTINUOUS	YES	RELOCATED PRE-ACTION SPRINKLER PIPING
F	SPKL	TEXT		RELO	2	CONTINUOUS	YES	RELOCATED FIRE PROTECTION ANNOTATIONS

6.21.2.10 Fire Protection Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
F	ANNO	DIMS	____	RMVL	8	CONTINUOUS	YES	REMOVAL OF DIMENSIONS
F	ANNO	NOTE	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF GENERAL NOTES AND REMARKS
F	ANNO	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF MISCELLANEOUS ANNOTATIONS
DETAIL								
F	DETL	CABS	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF HOSE CABINETS
F	DETL	DUCT	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF DUCTS
F	DETL	EQPT	____	RMVL	90	CONTINUOUS	YES	REMOVAL OF EQUIPMENT AND FIXTURES
F	DETL	FANS	____	RMVL	90	CONTINUOUS	YES	REMOVAL OF FANS
F	DETL	GENF	____	RMVL	243	CONTINUOUS	YES	REMOVAL OF GENERAL FEATURES
F	DETL	GRLS	____	RMVL	140	CONTINUOUS	YES	REMOVAL OF GRILLES AND LOUVERS
F	DETL	LVLE	____	RMVL	60	CONTINUOUS	YES	REMOVAL OF VALVES AND FITTINGS
F	DETL	PUMP	____	RMVL	60	CONTINUOUS	YES	REMOVAL OF PUMPS AND COMPRESSORS
F	DETL	STRC	____	RMVL	170	CONTINUOUS	YES	REMOVAL OF STRUCTURAL SUPPORT FEATURES
F	DETL	VENT	____	RMVL	35	DASHED	YES	REMOVAL OF VENTS
F	DETL	WIRE	____	RMVL	83	CONTINUOUS	YES	REMOVAL OF ELECTRICAL WIRING
ELEVATIONS								
F	ELEV	FIXT	____	RMVL	241	CONTINUOUS	YES	REMOVAL OF MISCELLANEOUS FIXTURES
F	ELEV	IDEN	____	RMVL	9	CONTINUOUS	YES	REMOVAL OF COMPONENT IDENTIFICATION NUMBERS
F	ELEV	OTLN	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF BUILDING OUTLINES
F	ELEV	PATT	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF TEXTURES AND PATTERNS
F	ELEV	PFIX	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF PLUMBING FIXTURES
CO2								
F	CO2_	____	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF CO2 SYSTEM
F	CO2_	EQPM	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF CO2 EQUIPMENT
F	CO2_	HEAD	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF CO2 HEAD
F	CO2_	PIPE	____	RMVL	131	CO2	YES	REMOVAL OF CO2 SPRINKLER PIPING
FM200								
F	FM2_	____	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF FM 200 SYSTEM

F	FM2_	EQPM	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF FM 200 EQUIPMENT
F	FM2_	HEAD	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF FM 200 HEAD
F	FM2_	PIPE	____	RMVL	131	FM_200	YES	REMOVAL OF FM 200 SPRINKLER PIPING
INERGEN								
F	INGN	____	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF INERGEN SYSTEM
F	INGN	EQPM	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF INERGEN EQUIPMENT
F	INGN	HEAD	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF INERGEN HEAD
F	INGN	PIPE	____	RMVL	131	INERGEN	YES	REMOVAL OF INERGEN PIPING
SECTIONS								
F	SECT	MBND	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF MATERIALS BEYOND SECTION CUT
F	SECT	MCUT	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF MATERIALS CUT BY SECTION
F	SECT	PATT	____	RMVL	7	CONTINUOUS	YES	REMOVAL OF TEXTURES AND PATTERNS
SPRINKLER								
F	WET_	EQUP	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF WET SPRINKLER EQUIPMENT
F	WET_	HEAD	____	RMVL	131	CONTINUOUS	YES	REMOVAL OF WET SPRINKLER HEADS
F	WET_	HEAD	PNDT	RMVL	131	CONTINUOUS	YES	REMOVAL OF WET SPRINKLER PENDANT HEADS
F	WET_	HEAD	CONC	RMVL	131	CONTINUOUS	YES	REMOVAL OF WET SPRINKLER CONCEALED HEADS
F	WET_	HEAD	RECD	RMVL	131	CONTINUOUS	YES	REMOVAL OF WET SPRINKLER RECESSED HEADS
F	WET_	HEAD	SIDE	RMVL	131	CONTINUOUS	YES	REMOVAL OF WET SPRINKLERSIDEWALL HEADS
F	WET_	HEAD	UPRT	RMVL	131	CONTINUOUS	YES	REMOVAL OF WET SPRINKLER UPRIGHT HEADS
F	WET_	PIPE	____	RMVL	131	SP	YES	REMOVAL OF WET SPRINKLER PIPING
F	DELU	EQUP	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF DELUGE SPRINKLER EQUIPMENT
F	DELU	HEAD	____	RMVL	131	CONTINUOUS	YES	REMOVAL OF DELUGE SPRINKLER HEADS
F	DELU	HEAD	PNDT	RMVL	131	CONTINUOUS	YES	REMOVAL OF DELUGE SPRINKLER PENDANT HEADS
F	DELU	HEAD	CONC	RMVL	131	CONTINUOUS	YES	REMOVAL OF DELUGE SPRINKLER CONCEALED HEADS
F	DELU	HEAD	RECD	RMVL	131	CONTINUOUS	YES	REMOVAL OF DELUGE SPRINKLER RECESSED HEADS
F	DELU	HEAD	SIDE	RMVL	131	CONTINUOUS	YES	REMOVAL OF DELUGE SPRINKLER SIDEWALL HEADS
F	DELU	HEAD	UPRT	RMVL	131	CONTINUOUS	YES	REMOVAL OF DELUGE SPRINKLER UPRIGHT HEADS
F	DELU	PIPE	____	RMVL	131	DEL	YES	REMOVAL OF DELUGE SPRINKLER PIPING
F	DRYC	EQUP	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF DRY CHEMICAL SPRINKLER EQUIPMENT
F	DRYC	HEAD	____	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY CHEMICAL SPRINKLER HEADS
F	DRYC	HEAD	PNDT	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY CHEMICAL SPRINKLER PENDANT HEADS
F	DRYC	HEAD	CONC	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY CHEMICAL SPRINKLER CONCEALED HEADS
F	DRYC	HEAD	RECD	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY CHEMICAL SPRINKLER RECESSED HEADS
F	DRYC	HEAD	SIDE	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY CHEMICAL SPRINKLER SIDEWALL HEADS
F	DRYC	HEAD	UPRT	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY CHEMICAL SPRINKLER UPRIGHT HEADS
F	DRYC	PIPE	____	RMVL	131	DRY_CHEM	YES	REMOVAL OF DRY CHEMICAL SPRINKLER PIPING
F	DRY_	EQUP	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF DRY SPRINKLER EQUIPMENT

F	DRY_	HEAD	____	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY SPRINKLER HEADS
F	DRY_	HEAD	PNDT	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY SPRINKLER PENDANT HEADS
F	DRY_	HEAD	CONC	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY SPRINKLER CONCEALED HEADS
F	DRY_	HEAD	RECD	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY SPRINKLER RECESSED HEADS
F	DRY_	HEAD	SIDE	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY SPRINKLER SIDEWALL HEADS
F	DRY_	HEAD	UPRT	RMVL	131	CONTINUOUS	YES	REMOVAL OF DRY SPRINKLER UPRIGHT HEADS
F	DRY_	PIPE	____	RMVL	131	DRY	YES	REMOVAL OF DRY SPRINKLER PIPING
F	FOAM	EQUP	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF FOAM SPRINKLER EQUIPMENT
F	FOAM	HEAD	____	RMVL	131	CONTINUOUS	YES	REMOVAL OF FOAM SPRINKLER HEADS
F	FOAM	HEAD	PNDT	RMVL	131	CONTINUOUS	YES	REMOVAL OF FOAM SPRINKLER PENDANT HEADS
F	FOAM	HEAD	CONC	RMVL	131	CONTINUOUS	YES	REMOVAL OF FOAM SPRINKLER CONCEALED HEADS
F	FOAM	HEAD	RECD	RMVL	131	CONTINUOUS	YES	REMOVAL OF FOAM SPRINKLER RECESSED HEADS
F	FOAM	HEAD	SIDE	RMVL	131	CONTINUOUS	YES	REMOVAL OF FOAM SPRINKLER SIDEWALL HEADS
F	FOAM	HEAD	UPRT	RMVL	131	CONTINUOUS	YES	REMOVAL OF FOAM SPRINKLER UPRIGHT HEADS
F	FOAM	PIPE	____	RMVL	131	FOAM	YES	REMOVAL OF FOAM SPRINKLER PIPING
F	PREA	EQUP	____	RMVL	231	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER EQUIPMENT
F	PREA	HEAD	____	RMVL	131	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER HEADS
F	PREA	HEAD	PNDT	RMVL	131	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER PENDANT HEADS
F	PREA	HEAD	CONC	RMVL	131	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER CONCEALED HEADS
F	PREA	HEAD	RECD	RMVL	131	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER RECESSED HEADS
F	PREA	HEAD	SIDE	RMVL	131	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER SIDEWALL HEADS
F	PREA	HEAD	UPRT	RMVL	131	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER UPRIGHT HEADS
F	PREA	PIPE	____	RMVL	131	CONTINUOUS	YES	REMOVAL OF PRE-ACTION SPRINKLER PIPING
F	SPKL	TEXT	____	RMVL	2	CONTINUOUS	YES	REMOVAL OF FIRE PROTECTION ANNOTATIONS

6.21.2.11 Fire Protection Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT TEMPORARY LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
F	____	____	____	TEMP	234	CONTINUOUS	YES	

6.21.2.12 Plumbing New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ACID								
P	ACID	EQPM			131	CONTINUOUS	YES	ACID, ALKALINE AND OIL WASTE EQUIPMENT
P	ACID	PIPE			131	ACID	YES	ACID, ALKALINE AND OIL WASTE PIPING
ANNOTATION								
P	ANNO	CHNG			2	DIVIDE	YES	IDENTIFICATION OF UPDATED WORK
P	ANNO	DIMS			8	CONTINUOUS	YES	DIMENSIONS
P	ANNO	KEYN			2	CONTINUOUS	YES	KEYNOTES
P	ANNO	MLIN			6	CONTINUOUS	YES	MATCH LINES
P	ANNO	NOTE			2	CONTINUOUS	YES	GENERAL NOTES AND REMARKS
P	ANNO	NPLT			8	CONTINUOUS	YES	CONSTRUCTION AND REFERENCE LINES
P	ANNO	SUBT			131	CONTINUOUS	YES	SUBTITLES
P	ANNO	SYMB			2	CONTINUOUS	YES	MISCELLANEOUS SYMBOLS
P	ANNO	TEXT			2	CONTINUOUS	YES	MISCELLANEOUS ANNOTATIONS
P	ANNO	TITL			6	CONTINUOUS	YES	TITLES
P	ANNO	TTLB			2	CONTINUOUS	YES	BORDERS
P	ANNO	VPRT			7	CONTINUOUS	YES	VIEW PORTS
AIR								
P	CAIR				30	A	YES	COMPRESSED AIR FEATURES
P	CAIR	EQPM			1	CONTINUOUS	YES	COMPRESSED AIR EQUIPMENT
DETAIL								
P	DETL	EQPM			3	CONTINUOUS	YES	EQUIPMENT AND FIXTURES
DOMESTIC WATER								
P	DOMW				170	CONTINUOUS	YES	DOMESTIC HOT AND COLD WATER SYSTEMS
P	DOMW	COLD			170	DCW	YES	DOMESTIC COLD WATER PIPING
P	DOMW	EQPM			1	CONTINUOUS	YES	DOMESTIC HOT AND COLD WATER EQUIPMENT
P	DOMW	HOT_			170	DHW	YES	DOMESTIC HOT WATER PIPING
P	DOMW	PIPE			170	CONTINUOUS	YES	DOMESTIC WATER PIPING (SCHEMATIC)
P	DOMW	PIPE	DBLN		170	CONTINUOUS	YES	DOMESTIC WATER PIPING
P	DOMW	RETN			170	DHWR	YES	DOMESTIC HOT WATER RETURN PIPING
P	DOMW	TEMP			170	T	YES	DOMESTIC WATER TEMPERED WATER
ELEVATIONS								
P	ELEV	IDEN			2	CONTINUOUS	YES	COMPONENT IDENTIFICATION NUMBERS
P	ELEV	OTLN			7	CONTINUOUS	YES	BUILDING OUTLINES
P	ELEV	PATT			7	CONTINUOUS	YES	TEXTURES AND PATTERNS

P	ELEV	PFIX			51	CONTINUOUS	YES	PLUMBING FIXTURES
FIRE STANDPIPE								
P	FSP_	PIPE			170	FSP	YES	FIRE STANDPIPE PIPING
GAS								
P	GAS	EQPM			1	CONTINUOUS	YES	GAS EQUIPMENT
P	GAS	PIPE			40	G	YES	GAS PIPING
IRRIGATION SYSTEM								
P	IRRG	COVR			42	CONTINUOUS	YES	IRRIGATION COVERAGE AND SPRAY DISTRIBUTION PATTERNS
P	IRRG	EQPM			60	CONTINUOUS	YES	IRRIGATION EQUIPMENT
P	IRRG	PIPE	MAIN		121	CONTINUOUS	YES	MAIN IRRIGATION PIPE LINE
P	IRRG	PIPE	SLEV		121	CONTINUOUS	YES	IRRIGATION PIPING SLEEVE
P	IRRG	PIPE	ZONE		121	CONTINUOUS	YES	IRRIGATION PIPING ZONE
P	IRRG	SPKL	FIX_		42	CONTINUOUS	YES	SPRINKLERS - FIXED SPRAY
P	IRRG	SPKL	SIDE		42	CONTINUOUS	YES	SPRINKLERS - SIDE WALK
P	IRRG	TEXT			2	CONTINUOUS	YES	IRRIGATION ANNOTATION
MISCELLANEOUS								
P	MISC	SKID			30	HIDDEN2	YES	SKID PAD
P	MISC	BKGD			7	CONTINUOUS	YES	BACKGROUND FEATURES
P	MISC	HTRC			26	HTRACE	YES	HEAT TACING (DRAW OVER LINEWORK)
OIL								
P	OIL_	EQPM			1	CONTINUOUS	YES	OIL EQUIPMENT
P	OIL_	PIPE			32	OW	YES	OIL PIPING
SANITARY								
P	SSWR				141	SAN	YES	SANITARY SEWER SYSTEMS
P	SSWR	BELW			141	SANU	YES	SANITARY SEWER UNDERGROUND
P	SSWR	EQPM			10	CONTINUOUS	YES	SANITARY SEWER EQUIPMENT (SCHEMATIC)
P	SSWR	EQPM	DBLN		10	CONTINUOUS	YES	SANITARY SEWER EQUIPMENT
P	SSWR	FIXT			51	CONTINUOUS	YES	SANITARY SEWER PLUMBING FIXTURES
P	SSWR	FLDR			1	CONTINUOUS	YES	SANITARY SEWER FLOOR DRAINS
P	SSWR	PIPE			141	SAN	YES	SANITARY SEWER PIPING (SCHEMATIC)
P	SSWR	PIPE	SML_		50	CONTINUOUS	YES	SANITARY SEWER PIPING 4 INCH OR UNDER DIAMETER
P	SSWR	PIPE	LRG_		51	CONTINUOUS	YES	SANITARY SEWER PIPING OVER 4 INCH DIAMETER
P	SSWR	RISR			51	CONTINUOUS	YES	SANITARY SEWER RISERS
SECTIONS								
P	SECT	IDEN			2	CONTINUOUS	YES	COMPONENT IDENTIFICATION NUMBERS
P	SECT	MBND			7	CONTINUOUS	YES	MATERIALS BEYOND SECTION CUT
P	SECT	MCUT			7	CONTINUOUS	YES	MATERIALS CUT BY SECTION
P	SECT	PATT			7	CONTINUOUS	YES	TEXTURES AND PATTERNS

STORM								
P	DRAN				141	ST	YES	STORM DRAINAGE SYSTEM
P	DRAN	BELW			141	STU	YES	STORM DRAINAGE SYSTEM UNDERGROUND
P	DRAN	EQPM			10	CONTINUOUS	YES	STORM DRAINAGE EQUIPMENT (SCHEMATIC)
P	DRAN	EQPM	DBLN		10	CONTINUOUS	YES	STORM DRAINAGE EQUIPMENT
P	DRAN	PIPE			141	ST	YES	STORM DRAINAGE PIPING (SCHEMATIC)
P	DRAN	PIPE	SML_		50	CONTINUOUS	YES	STORM DRAINAGE PIPING 4 INCH OR UNDER DIAMETER
P	DRAN	PIPE	LRG_		51	CONTINUOUS	YES	STORM DRAINAGE PIPING OVER 4 INCH DIAMETER
P	DRAN	RISR			51	CONTINUOUS	YES	STORM DRAINAGE RISERS
P	DRAN	ROOF			1	CONTINUOUS	YES	STORM DRAINAGE ROOF DRAINS
VENT								
P	VENT	PIPE			32	VENT	YES	VENT SYSTEM PIPING
P	VENT	RISR			51	CONTINUOUS	YES	VENT RISER
XREF								
P	XREF				7	CONTINUOUS	YES	EXTERNAL REFERENCE DRAWINGS
P	XREF	RAST			7	CONTINUOUS	YES	RASTER IMAGES

6.21.2.13 Plumbing Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT REMOVAL LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
P	____	____	____	EXST	53	CONTINUOUS	YES	
ACID								
P	ACID	EQPM	____	EXST	130	CONTINUOUS	YES	REMOVAL ACID, ALKALINE AND OIL WASTE EQUIPMENT
P	ACID	PIPE	____	EXST	130	ACID_EX	YES	REMOVAL ACID, ALKALINE AND OIL WASTE PIPING
ANNOTATION								
P	ANNO	DIMS	____	EXST	8	CONTINUOUS	YES	REMOVAL DIMENSIONS
P	ANNO	NOTE	____	EXST	2	CONTINUOUS	YES	REMOVAL GENERAL NOTES AND REMARKS
P	ANNO	TEXT	____	EXST	2	CONTINUOUS	YES	REMOVAL MISCELLANEOUS ANNOTATIONS
AIR								
P	CAIR	____	____	EXST	15	A	YES	REMOVAL COMPRESSED AIR FEATURES
P	CAIR	EQPM	____	EXST	10	CONTINUOUS	YES	REMOVAL COMPRESSED AIR EQUIPMENT
DETAIL								
P	DETL	EQPM	____	EXST	92	CONTINUOUS	YES	REMOVAL EQUIPMENT AND FIXTURES
DOMESTIC WATER								
P	DOMW	____	____	EXST	191	CONTINUOUS	YES	REMOVAL DOMESTIC HOT AND COLD WATER SYSTEMS
P	DOMW	COLD	____	EXST	191	DCW_EX	YES	REMOVAL DOMESTIC COLD WATER PIPING
P	DOMW	EQPM	____	EXST	10	CONTINUOUS	YES	REMOVAL DOMESTIC HOT AND COLD WATER EQUIPMENT
P	DOMW	HOT_	____	EXST	191	DHW_EX	YES	REMOVAL DOMESTIC HOT WATER PIPING
P	DOMW	PIPE	____	EXST	191	CONTINUOUS	YES	REMOVAL DOMESTIC WATER PIPING (SCHEMATIC)

P	DOMW	PIPE	DBLN	EXST	191	CONTINUOUS	YES	REMOVAL DOMESTIC WATER PIPING
P	DOMW	RETN	____	EXST	191	DHWR_EX	YES	REMOVAL DOMESTIC HOT WATER RETURN PIPING
P	DOMW	TEMP	____	EXST	191	T_EX	YES	REMOVAL DOMESTIC WATER TEMPERED WATER
ELEVATIONS								
P	ELEV	IDEN	____	EXST	2	CONTINUOUS	YES	REMOVAL COMPONENT IDENTIFICATION NUMBERS
P	ELEV	OTLN	____	EXST	249	CONTINUOUS	YES	REMOVAL BUILDING OUTLINES
P	ELEV	PATT	____	EXST	249	CONTINUOUS	YES	REMOVAL TEXTURES AND PATTERNS
FIRE STANDPIPE								
P	FSP_	PIPE	____	EXST	191	FSP_EX	YES	REMOVAL FIRE STANDPIPE PIPING
GAS								
P	GAS	EQPM	____	EXST	10	CONTINUOUS	YES	REMOVAL GAS EQUIPMENT
P	GAS	PIPE	____	EXST	41	G_EX	YES	REMOVAL GAS PIPING
IRRIGATION SYSTEM								
P	IRRG	COVR	____	EXST	46	CONTINUOUS	YES	REMOVAL IRRIGATION COVERAGE AND SPRAY DISTRIBUTION PATTERNS
P	IRRG	EQPM	____	EXST	72	CONTINUOUS	YES	REMOVAL IRRIGATION EQUIPMENT
P	IRRG	PIPE	MAIN	EXST	121	CONTINUOUS	YES	REMOVAL MAIN IRRIGATION PIPE LINE
P	IRRG	PIPE	SLEV	EXST	121	CONTINUOUS	YES	REMOVAL IRRIGATION PIPING SLEEVE
P	IRRG	PIPE	ZONE	EXST	121	CONTINUOUS	YES	REMOVAL IRRIGATION PIPING ZONE
P	IRRG	SPKL	FIX_	EXST	46	CONTINUOUS	YES	REMOVAL SPRINKLERS - FIXED SPRAY
P	IRRG	SPKL	SIDE	EXST	46	CONTINUOUS	YES	REMOVAL SPRINKLERS - SIDE WALK
P	IRRG	TEXT	____	EXST	2	CONTINUOUS	YES	REMOVAL IRRIGATION ANNOTATION
MISCELLANEOUS								
P	MISC	SKID	____	EXST	15	HIDDEN2	YES	REMOVAL SKID PAD
P	MISC	BKGD	____	EXST	249	CONTINUOUS	YES	REMOVAL BACKGROUND FEATURES
OIL								
P	OIL_	EQPM	____	EXST	10	CONTINUOUS	YES	REMOVAL OIL EQUIPMENT
P	OIL_	PIPE	____	EXST	41	OW	YES	REMOVAL OIL PIPING
SANITARY								
P	SSWR	____	____	**EXST**	142	SAN_EX	YES	REMOVAL SANITARY SEWER SYSTEMS
P	SSWR	BELW	____	EXST	142	SANU_EX	YES	REMOVAL SANITARY SEWER UNDERGROUND
P	SSWR	EQPM	____	EXST	240	CONTINUOUS	YES	REMOVAL SANITARY SEWER EQUIPMENT (SCHEMATIC)
P	SSWR	EQPM	DBLN	EXST	240	CONTINUOUS	YES	REMOVAL SANITARY SEWER EQUIPMENT
P	SSWR	FLDR	____	EXST	10	CONTINUOUS	YES	REMOVAL SANITARY SEWER FLOOR DRAINS
P	SSWR	PIPE	____	EXST	142	SAN_EX	YES	REMOVAL SANITARY SEWER PIPING (SCHEMATIC)
SECTIONS								
P	SECT	IDEN	____	EXST	2	CONTINUOUS	YES	REMOVAL COMPONENT IDENTIFICATION NUMBERS
P	SECT	MBND	____	EXST	249	CONTINUOUS	YES	REMOVAL MATERIALS BEYOND SECTION CUT
P	SECT	MCUT	____	EXST	249	CONTINUOUS	YES	REMOVAL MATERIALS CUT BY SECTION
P	SECT	PATT	____	EXST	249	CONTINUOUS	YES	REMOVAL TEXTURES AND PATTERNS
STORM								
P	DRAN	____	____	EXST	142	ST_EX	YES	REMOVAL STORM DRAINAGE SYSTEM
P	DRAN	BELW	____	EXST	142	STU_EX	YES	REMOVAL STORM DRAINAGE SYSTEM UNDERGROUND
P	DRAN	EQPM	____	EXST	240	CONTINUOUS	YES	REMOVAL STORM DRAINAGE EQUIPMENT (SCHEMATIC)
P	DRAN	EQPM	DBLN	EXST	240	CONTINUOUS	YES	REMOVAL STORM DRAINAGE EQUIPMENT
P	DRAN	PIPE	____	EXST	142	ST_EX	YES	REMOVAL STORM DRAINAGE PIPING (SCHEMATIC)
P	DRAN	ROOF	____	EXST	10	CONTINUOUS	YES	REMOVAL STORM DRAINAGE ROOF DRAINS
VENT								
P	VENT	PIPE	____	EXST	41	VENT	YES	REMOVAL VENT SYSTEM PIPING
P	VENT	RISR	____	EXST	53	CONTINUOUS	YES	REMOVAL VENT RISER

6.21.2.14 EXISTING WORK

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ACID								
P	ACID	EQPM	____	EXST	130	CONTINUOUS	YES	EXISTING ACID, ALKALINE AND OIL WASTE EQUIPMENT
P	ACID	PIPE	____	EXST	130	ACID_EX	YES	EXISTING ACID, ALKALINE AND OIL WASTE PIPING
ANNOTATION								
P	ANNO	DIMS	____	EXST	8	CONTINUOUS	YES	EXISTING DIMENSIONS
P	ANNO	NOTE	____	EXST	2	CONTINUOUS	YES	EXISTING GENERAL NOTES AND REMARKS
P	ANNO	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING MISCELLANEOUS ANNOTATIONS
AIR								
P	CAIR	____	____	EXST	15	A	YES	EXISTING COMPRESSED AIR FEATURES
P	CAIR	EQPM	____	EXST	10	CONTINUOUS	YES	EXISTING COMPRESSED AIR EQUIPMENT
DETAIL								
P	DETL	EQPM	____	EXST	92	CONTINUOUS	YES	EXISTING EQUIPMENT AND FIXTURES
DOMESTIC WATER								
P	DOMW	____	____	EXST	191	CONTINUOUS	YES	EXISTING DOMESTIC HOT AND COLD WATER SYSTEMS
P	DOMW	COLD	____	EXST	191	DCW_EX	YES	EXISTING DOMESTIC COLD WATER PIPING
P	DOMW	EQPM	____	EXST	10	CONTINUOUS	YES	EXISTING DOMESTIC HOT AND COLD WATER EQUIPMENT
P	DOMW	HOT_	____	EXST	191	DHW_EX	YES	EXISTING DOMESTIC HOT WATER PIPING
P	DOMW	PIPE	____	EXST	191	CONTINUOUS	YES	EXISTING DOMESTIC WATER PIPING (SCHEMATIC)
P	DOMW	PIPE	DBLN	EXST	191	CONTINUOUS	YES	EXISTING DOMESTIC WATER PIPING
P	DOMW	RETN	____	EXST	191	DHWR_EX	YES	EXISTING DOMESTIC HOT WATER RETURN PIPING
P	DOMW	TEMP	____	EXST	191	T_EX	YES	EXISTING DOMESTIC WATER TEMPERED WATER
ELEVATIONS								
P	ELEV	IDEN	____	EXST	2	CONTINUOUS	YES	EXISTING COMPONENT IDENTIFICATION NUMBERS
P	ELEV	OTLN	____	EXST	249	CONTINUOUS	YES	EXISTING BUILDING OUTLINES
P	ELEV	PATT	____	EXST	249	CONTINUOUS	YES	EXISTING TEXTURES AND PATTERNS
P	ELEV	PFIX	____	EXST	53	CONTINUOUS	YES	EXISTING PLUMBING FIXTURES
FIRE STANDPIPE								
P	FSP_	PIPE	____	EXST	191	FSP_EX	YES	EXISTING FIRE STANDPIPE PIPING
GAS								
P	GAS	EQPM	____	EXST	10	CONTINUOUS	YES	EXISTING GAS EQUIPMENT
P	GAS	PIPE	____	EXST	41	G_EX	YES	EXISTING GAS PIPING
IRRIGATION SYSTEM								
P	IRRG	COVR	____	EXST	46	CONTINUOUS	YES	EXISTING IRRIGATION COVERAGE AND SPRAY DISTRIBUTION PATTERNS
P	IRRG	EQPM	____	EXST	72	CONTINUOUS	YES	EXISTING IRRIGATION EQUIPMENT

P	IRRG	PIPE	MAIN	EXST	121	CONTINUOUS	YES	EXISTING MAIN IRRIGATION PIPE LINE
P	IRRG	PIPE	SLEV	EXST	121	CONTINUOUS	YES	EXISTING IRRIGATION PIPING SLEEVE
P	IRRG	PIPE	ZONE	EXST	121	CONTINUOUS	YES	EXISTING IRRIGATION PIPING ZONE
P	IRRG	SPKL	FIX_	EXST	46	CONTINUOUS	YES	EXISTING SPRINKLERS - FIXED SPRAY
P	IRRG	SPKL	SIDE	EXST	46	CONTINUOUS	YES	EXISTING SPRINKLERS - SIDE WALK
P	IRRG	TEXT	____	EXST	2	CONTINUOUS	YES	EXISTING IRRIGATION ANNOTATION
MISCELLANEOUS								
P	MISC	SKID	____	EXST	15	HIDDEN2	YES	EXISTING SKID PAD
P	MISC	BKGD	____	EXST	249	CONTINUOUS	YES	EXISTING BACKGROUND FEATURES
P	MISC	HTRC	____	EXST	26	HTRACE	YES	HEAT TACING (DRAW OVER LINEWORK)
OIL								
P	OIL_	EQPM	____	EXST	10	CONTINUOUS	YES	EXISTING OIL EQUIPMENT
P	OIL_	PIPE	____	EXST	41	OW	YES	EXISTING OIL PIPING
SANITARY								
P	SSWR	____	____	EXST	142	SAN_EX	YES	EXISTING SANITARY SEWER SYSTEMS
P	SSWR	BELW	____	EXST	142	SANU_EX	YES	EXISTING SANITARY SEWER UNDERGROUND
P	SSWR	EQPM	____	EXST	240	CONTINUOUS	YES	EXISTING SANITARY SEWER EQUIPMENT (SCHEMATIC)
P	SSWR	EQPM	DBLN	EXST	240	CONTINUOUS	YES	EXISTING SANITARY SEWER EQUIPMENT
P	SSWR	FIXT	____	EXST	53	CONTINUOUS	YES	EXISTING SANITARY SEWER PLUMBING FIXTURES
P	SSWR	FLDR	____	EXST	10	CONTINUOUS	YES	EXISTING SANITARY SEWER FLOOR DRAINS
P	SSWR	PIPE	____	EXST	142	SAN_EX	YES	EXISTING SANITARY SEWER PIPING (SCHEMATIC)
P	SSWR	PIPE	SML_	EXST	53	CONTINUOUS	YES	EXISTING SANITARY SEWER PIPING 4 INCH OR UNDER DIAMETER
P	SSWR	PIPE	LRG_	EXST	53	CONTINUOUS	YES	EXISTING SANITARY SEWER PIPING OVER 4 INCH DIAMETER
P	SSWR	RISR	____	EXST	53	CONTINUOUS	YES	EXISTING SANITARY SEWER RISERS
SECTIONS								
P	SECT	IDEN	____	EXST	2	CONTINUOUS	YES	EXISTING COMPONENT IDENTIFICATION NUMBERS
P	SECT	MBND	____	EXST	249	CONTINUOUS	YES	EXISTING MATERIALS BEYOND SECTION CUT
P	SECT	MCUT	____	EXST	249	CONTINUOUS	YES	EXISTING MATERIALS CUT BY SECTION
P	SECT	PATT	____	EXST	249	CONTINUOUS	YES	EXISTING TEXTURES AND PATTERNS
STORM								
P	DRAN	____	____	EXST	142	ST_EX	YES	EXISTING STORM DRAINAGE SYSTEM
P	DRAN	BELW	____	EXST	142	STU_EX	YES	EXISTING STORM DRAINAGE SYSTEM UNDERGROUND
P	DRAN	EQPM	____	EXST	240	CONTINUOUS	YES	EXISTING STORM DRAINAGE EQUIPMENT (SCHEMATIC)
P	DRAN	EQPM	DBLN	EXST	240	CONTINUOUS	YES	EXISTING STORM DRAINAGE EQUIPMENT
P	DRAN	PIPE	____	EXST	142	ST_EX	YES	EXISTING STORM DRAINAGE PIPING (SCHEMATIC)
P	DRAN	PIPE	SML_	EXST	53	CONTINUOUS	YES	EXISTING STORM DRAINAGE PIPING 4 INCH OR UNDER DIAMETER
P	DRAN	PIPE	LRG_	EXST	53	CONTINUOUS	YES	EXISTING STORM DRAINAGE PIPING OVER 4 INCH DIAMETER
P	DRAN	RISR	____	EXST	53	CONTINUOUS	YES	EXISTING STORM DRAINAGE RISERS
P	DRAN	ROOF	____	EXST	10	CONTINUOUS	YES	EXISTING STORM DRAINAGE ROOF DRAINS
VENT								

P	VENT	PIPE	____	EXST	41	VENT	YES	EXISTING VENT SYSTEM PIPING
P	VENT	RISR	____	EXST	53	CONTINUOUS	YES	EXISTING VENT RISER

6.21.2.15 Plumbing Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ACID								
P	ACID	EQPM	____	FUTR	130	CONTINUOUS	YES	FUTURE ACID, ALKALINE AND OIL WASTE EQUIPMENT
P	ACID	PIPE	____	FUTR	130	ACID	YES	FUTURE ACID, ALKALINE AND OIL WASTE PIPING
ANNOTATION								
P	ANNO	DIMS	____	FUTR	8	CONTINUOUS	YES	FUTURE DIMENSIONS
P	ANNO	NOTE	____	FUTR	2	CONTINUOUS	YES	FUTURE GENERAL NOTES AND REMARKS
P	ANNO	TEXT	____	FUTR	2	CONTINUOUS	YES	FUTURE MISCELLANEOUS ANNOTATIONS
AIR								
P	CAIR	____	____	FUTR	15	A	YES	FUTURE COMPRESSED AIR FEATURES
P	CAIR	EQPM	____	FUTR	10	CONTINUOUS	YES	FUTURE COMPRESSED AIR EQUIPMENT
DETAIL								
P	DETL	EQPM	____	FUTR	92	CONTINUOUS	YES	FUTURE EQUIPMENT AND FIXTURES
DOMESTIC WATER								
P	DOMW	____	____	FUTR	191	CONTINUOUS	YES	FUTURE DOMESTIC HOT AND COLD WATER SYSTEMS
P	DOMW	COLD	____	FUTR	191	DCW	YES	FUTURE DOMESTIC COLD WATER PIPING
P	DOMW	EQPM	____	FUTR	10	CONTINUOUS	YES	FUTURE DOMESTIC HOT AND COLD WATER EQUIPMENT
P	DOMW	HOT_	____	FUTR	191	DHW	YES	FUTURE DOMESTIC HOT WATER PIPING
P	DOMW	PIPE	____	FUTR	191	CONTINUOUS	YES	FUTURE DOMESTIC WATER PIPING (SCHEMATIC)
P	DOMW	PIPE	DBLN	FUTR	191	CONTINUOUS	YES	FUTURE DOMESTIC WATER PIPING
P	DOMW	RETN	____	FUTR	191	DHWR	YES	FUTURE DOMESTIC HOT WATER RETURN PIPING
P	DOMW	TEMP	____	FUTR	191	T	YES	FUTURE DOMESTIC WATER TEMPERED WATER
ELEVATIONS								
P	ELEV	IDEN	____	FUTR	2	CONTINUOUS	YES	FUTURE COMPONENT IDENTIFICATION NUMBERS
P	ELEV	OTLN	____	FUTR	249	CONTINUOUS	YES	FUTURE BUILDING OUTLINES
P	ELEV	PATT	____	FUTR	249	CONTINUOUS	YES	FUTURE TEXTURES AND PATTERNS
P	ELEV	PFIX	____	FUTR	53	CONTINUOUS	YES	FUTURE PLUMBING FIXTURES
FIRE STANDPIPE								
P	FSP_	PIPE	____	FUTR	191	FSP	YES	FUTURE FIRE STANDPIPE PIPING
GAS								
P	GAS	EQPM	____	FUTR	10	CONTINUOUS	YES	FUTURE GAS EQUIPMENT
P	GAS	PIPE	____	FUTR	41	G	YES	FUTURE GAS PIPING

IRRIGATION SYSTEM								
P	IRRG	COVR	____	FUTR	46	CONTINUOUS	YES	FUTURE IRRIGATION COVERAGE AND SPRAY DISTRIBUTION PATTERNS
P	IRRG	EQPM	____	FUTR	72	CONTINUOUS	YES	FUTURE IRRIGATION EQUIPMENT
P	IRRG	PIPE	MAIN	FUTR	121	CONTINUOUS	YES	FUTURE MAIN IRRIGATION PIPE LINE
P	IRRG	PIPE	SLEV	FUTR	121	CONTINUOUS	YES	FUTURE IRRIGATION PIPING SLEEVE
P	IRRG	PIPE	ZONE	FUTR	121	CONTINUOUS	YES	FUTURE IRRIGATION PIPING ZONE
P	IRRG	SPKL	FIX_	FUTR	46	CONTINUOUS	YES	FUTURE SPRINKLERS - FIXED SPRAY
P	IRRG	SPKL	SIDE	FUTR	46	CONTINUOUS	YES	FUTURE SPRINKLERS - SIDE WALK
P	IRRG	TEXT	____	FUTR	2	CONTINUOUS	YES	FUTURE IRRIGATION ANNOTATION
MISCELLANEOUS								
P	MISC	SKID	____	FUTR	15	HIDDEN2	YES	FUTURE SKID PAD
P	MISC	BKGD	____	FUTR	249	CONTINUOUS	YES	FUTURE BACKGROUND FEATURES
OIL								
P	OIL_	EQPM	____	FUTR	10	CONTINUOUS	YES	FUTURE OIL EQUIPMENT
P	OIL_	PIPE	____	FUTR	41	OW	YES	FUTURE OIL PIPING
SANITARY								
P	SSWR	____	____	FUTR	142	SAN	YES	FUTURE SANITARY SEWER SYSTEMS
P	SSWR	BELW	____	FUTR	142	SANU	YES	FUTURE SANITARY SEWER UNDERGROUND
P	SSWR	EQPM	____	FUTR	240	CONTINUOUS	YES	FUTURE SANITARY SEWER EQUIPMENT (SCHEMATIC)
P	SSWR	EQPM	DBLN	FUTR	240	CONTINUOUS	YES	FUTURE SANITARY SEWER EQUIPMENT
P	SSWR	FIXT	____	FUTR	53	CONTINUOUS	YES	FUTURE SANITARY SEWER PLUMBING FIXTURES
P	SSWR	FLDR	____	FUTR	10	CONTINUOUS	YES	FUTURE SANITARY SEWER FLOOR DRAINS
P	SSWR	PIPE	____	FUTR	142	SAN	YES	FUTURE SANITARY SEWER PIPING (SCHEMATIC)
P	SSWR	PIPE	SML_	FUTR	53	CONTINUOUS	YES	FUTURE SANITARY SEWER PIPING 4 INCH OR UNDER DIAMETER
P	SSWR	PIPE	LRG_	FUTR	53	CONTINUOUS	YES	FUTURE SANITARY SEWER PIPING OVER 4 INCH DIAMETER
P	SSWR	RISR	____	FUTR	53	CONTINUOUS	YES	FUTURE SANITARY SEWER RISERS
SECTIONS								
P	SECT	IDEN	____	FUTR	2	CONTINUOUS	YES	FUTURE COMPONENT IDENTIFICATION NUMBERS
P	SECT	MBND	____	FUTR	249	CONTINUOUS	YES	FUTURE MATERIALS BEYOND SECTION CUT
P	SECT	MCUT	____	FUTR	249	CONTINUOUS	YES	FUTURE MATERIALS CUT BY SECTION
P	SECT	PATT	____	FUTR	249	CONTINUOUS	YES	FUTURE TEXTURES AND PATTERNS
STORM								
P	DRAN	____	____	FUTR	142	ST	YES	FUTURE STORM DRAINAGE SYSTEM
P	DRAN	BELW	____	FUTR	142	STU	YES	FUTURE STORM DRAINAGE SYSTEM UNDERGROUND
P	DRAN	EQPM	____	FUTR	240	CONTINUOUS	YES	FUTURE STORM DRAINAGE EQUIPMENT (SCHEMATIC)
P	DRAN	EQPM	DBLN	FUTR	240	CONTINUOUS	YES	FUTURE STORM DRAINAGE EQUIPMENT
P	DRAN	PIPE	____	FUTR	142	ST	YES	FUTURE STORM DRAINAGE PIPING (SCHEMATIC)
P	DRAN	PIPE	SML_	FUTR	53	CONTINUOUS	YES	FUTURE STORM DRAINAGE PIPING 4 INCH OR UNDER DIAMETER
P	DRAN	PIPE	LRG_	FUTR	53	CONTINUOUS	YES	FUTURE STORM DRAINAGE PIPING OVER 4 INCH DIAMETER
P	DRAN	RISR	____	FUTR	53	CONTINUOUS	YES	FUTURE STORM DRAINAGE RISERS

P	DRAN	ROOF	____	FUTR	10	CONTINUOUS	YES	FUTURE STORM DRAINAGE ROOF DRAINS
VENT								
P	VENT	PIPE	____	FUTR	41	VENT	YES	FUTURE VENT SYSTEM PIPING
P	VENT	RISR	____	FUTR	53	CONTINUOUS	YES	FUTURE VENT RISER

6.21.2.16 Plumbing Relocated Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
GENERAL								
P	PLAN	____	____	RELO	20	CONTINUOUS	YES	RELOCATED ELEMENTS IN PLAN
P	PLAN	FINE	____	RELO	22	CONTINUOUS	YES	RELOCATED ELEMENTS IN PLAN (THIN LINE)
P	DETL	____	____	RELO	20	CONTINUOUS	YES	RELOCATED ELEMENTS IN DETAILS
P	ELEV	____	____	RELO	20	CONTINUOUS	YES	RELOCATED ELEMENTS IN ELEVATION OR SECTION
P	ELEV	FINE	____	RELO	22	CONTINUOUS	YES	RELOCATED ELEMENTS IN PLAN (THIN LINE)

6.21.2.17 Plumbing Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
GENERAL								
P	PLAN	____	____	RELO	234	CONTINUOUS	YES	TEMPORARY ELEMENTS IN PLAN
P	PLAN	FINE	____	RELO	244	CONTINUOUS	YES	TEMPORARY ELEMENTS IN PLAN (THIN LINE)
P	DETL	____	____	RELO	234	CONTINUOUS	YES	TEMPORARY ELEMENTS IN DETAILS
P	ELEV	____	____	RELO	234	CONTINUOUS	YES	TEMPORARY ELEMENTS IN ELEVATION OR SECTIONS
P	ELEV	FINE	____	RELO	244	CONTINUOUS	YES	TEMPORARY ELEMENTS IN PLAN (THIN LINE)

6.21.3 Linetypes

Name	Description	Example
A		A A A
ACID		ACID ACID
ACID_EX		EX ACID EX ACID
AFS		AFS AFS
AFSU		AFS AFS
BBD		BBD BBD
Center		
CHWS		CHWS CHWS
CO2		CO2 CO2
Continuous		
CWR		CWR CWR
CWS		CWS CWS
D		D D D
Dashed		
DCW		
DCW_EX		EX EX EX
DEL		DEL DEL
DHW		
DHW_EX		EX EX EX
DHWR		
DHWR_EX		EX EX EX
Divide		
DRY		
DRY_CHEM		
DTWR		
DTWS		

Name	Description	Example
FM_200		FM 200 FM 200
FOAM		FOAM FOAM
FOR		FOR FOR
FORU		FOR FOR
FOS		FOS FOS
FOSU		FOS FOS
FOV		FOV FOV
FOVU		FOV FOV
FSP		FSP FSP
FSP_EX		EX FSP EX FSP
G		G G G
G_EX		EX G EX G
Hidden2		
HOSMR		HOSMR HOSMR
HOSMS		HOSMS HOSMS
HPC		HPC HPC
HPS		HPS HPS
HTHWR		HTHWR HTHWR
HTHWS		HTHWS HTHWS

Name	Description	Example
HTRACE		
HWR		HWR HWR
HWS		HWS HWS
INERGEN		INERGEN INERGEN
LPC		LPC LPC
LPS		LPS LPS
MPC		MPC MPC
MPS		MPS MPS
MTHWR		MTHWR MTHWR
MTHWS		MTHWS MTHWS
MU		MU MU
OW		OW OW
RD		RD RD
RL		RL RL
RS		RS RS
SAN		SAN SAN
SAN_EX		
SANU		SAN SAN
SANU_EX		EX SAN EX SAN
SP		
SP_EX		
ST		ST ST

Name	Description	Example
ST_EX		EX ST EX ST
STU		ST ST ST
STU_EX		EX ST EX ST
T		T T T
T_EX		EX T EX T
VENT		

6.21.4 Symbols

6.21.4.1 HVAC Air Terminals

Symbol	Block Name	Layer Name	Description
	M-Diffuser-1_WAY.dwg	(Varies)	Three-Way Blanked Off Supply Diffuser
	M-Diffuser-2_WAY.dwg	(Varies)	Two-Way Blanked-Off Supply Air Diffuser
	M-Diffuser-2_WAY_CORNER.dwg	(Varies)	Two-Way Supply Diffuser with Blanked-Off Corner
	M-Diffuser-3_WAY.dwg	(Varies)	One-Way Blanked-Off Supply Air Diffuser
	M-Diffuser-4_WAY.dwg	(Varies)	Supply Air Diffuser
	M-Diffuser-R-1x1.dwg	(Varies)	Return Air Register

6.21.4.2 HVAC Control Devices

Symbol	Block Name	Layer Name	Description
	DUCT SMOKE DETECTOR.dwg	(Varies)	Duct Smoke Detector
	FIRESTAT.dwg	(Varies)	Firestat
	FLOW SWITCH.dwg	(Varies)	Flow Switch
	FREEZESTAT.dwg	(Varies)	Freezstat
	HEAT DETECTOR.dwg	(Varies)	Heat Detector

H	HUMIDISTAT.dwg	(Varies)	Humidistat
FM	M-FLOW_METER.dwg	(Varies)	Flow Meter
FT	M-FLOW_TRNSMTR.dwg	(Varies)	Flow Transmitter
LD	M-LEAK_DETECTOR.dwg	(Varies)	Leak Detector Symbol
M	M-MOTOR.dwg	(Varies)	Motor
S	M-SMOKE_DETECTOR.dwg	(Varies)	Smoke Detector (Duct)
ST	M-STEAM_TRAP.dwg	(Varies)	Steam Trap
TS	M-TEMP_SNSR.dwg	(Varies)	Temperature Sensor
T	M-TEMPERATURE_SENSOR.dwg	(Varies)	Temperature Sensor
T	M-THERMOSTAT.dwg	(Varies)	Thermostat
?	M-THERMST_HUMIDIST_SWITCH.dwg	(Varies)	Thermostat/Humidistat Switch
T	SPACE TEMPERATURE SENSOR.dwg	(Varies)	Space Temperature Sensor
T	TEMPERATURE SENSOR.dwg	(Varies)	Temperature Sensor

	THERMOSTAT, ELECTRIC.dwg	(Varies)	Electric Thermostat
	THERMOSTAT, PNEUMATIC.dwg	(Varies)	Pneumatic Thermostat

6.21.4.3 HVAC Drafting Conventions

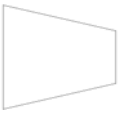
Symbol	Block Name	Layer Name	Description
	M-ARROW.dwg	(Varies)	Airflow Directional Arrow
	M-ARROW_LEADER.dwg	(Varies)	Leader to be Used with Thermostat Symbol
	M-BREAK.dwg	(Varies)	Duct Break
	M-BREAK_LINE1.dwg	(Varies)	Break Line
	M-BREAK_LINE2.dwg	(Varies)	Break Symbol for Single Line Ducts and Pipes
	M-CALLOUT.dwg	(Varies)	Callout for Plans
	M-CALLOUT-SYM.DWG	(Varies)	Detail, Section, & Elevation Symbol for Plans
	M-CENTERLINE_SYM.DWG	(Varies)	Centerline Symbol
	M-CUT2.dwg	(Varies)	Detail Symbol for Plans
	M-CUT3.dwg	(Varies)	Section Head

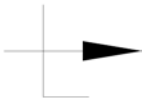
	M-CUT4.dwg	(Varies)	Section Line
	mec-CALLOUT.dwg	(Varies)	Callout
	M-REMOVAL.dwg	(Varies)	Removal Marker
	M-REVISION_TRIANGLE.dwg	(Varies)	Revision Triangle
	M-SEC-DN-LEFT.dwg	(Varies)	Section, Detail, Elev. Callout
	M-SEC-DN-RIGHT.dwg	(Varies)	Section, Detail, Elev. Callout
	M-SEC-LEFT-BTM.dwg	(Varies)	Section, Detail, Elev. Callout
	M-SEC-LEFT-TOP.dwg	(Varies)	Section, Detail, Elev. Callout
	M-SEC-RIGHT-BTM.dwg	(Varies)	Section, Detail, Elev. Callout
	M-SEC-RIGHT-TOP.dwg	(Varies)	Section, Detail, Elev. Callout
	M-SECTION-MARK.dwg	(Varies)	Section
	M-SEC-UP-LEFT.dwg	(Varies)	Section, Detail, Elev. Callout
	M-SEC-UP-RIGHT.dwg	(Varies)	Section, Detail, Elev. Callout

6.21.4.4 HVAC Ductwork

Symbol	Block Name	Layer Name	Description
	ACCESS DOOR IN DUCT.dwg	(Varies)	Access Door in Duct
	AIR VENT – AUTOMATIC.dwg	(Varies)	Automatic Air Vent
	AIR VENT – MANUAL.dwg	(Varies)	Manual Air Vent
	CONTROL.dwg	(Varies)	Control
	DUCT FLEXIBLE CONNECTION.dwg	(Varies)	Flexible Duct Connection
	FILTER.dwg	(Varies)	Filter
	M-ACCESS_DOOR.dwg	(Varies)	Access Door Symbol for Ductwork & Equipment
	M-AIR_VENT.dwg	(Varies)	Air Vent
	M-COIL_COOLING.dwg	(Varies)	Cooling Coil
	M-COIL_HEATING.dwg	(Varies)	Heating Coil
	M-COIL_PRE_HT.dwg	(Varies)	Pre-Heating Coil
	M-DUCT_FLEX_CONNECT2.dwg	(Varies)	Flex Duct Connection

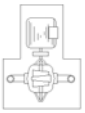
	M-EXPN_JNT.dwg	(Varies)	Pipe Expansion Joint Symbol
	M-FD.dwg	(Varies)	Fire Damper
	M-FSD.dwg	(Varies)	Fire Smoke Damper
	M-FSD_FD.dwg	(Varies)	Fire Smoke Damper
	M-MEASUR_STATION.dwg	(Varies)	Measurement Station
	M-SENS_RELAY.dwg	(Varies)	Current Sensing Relay
	M-SIGHT_GLASS.dwg	(Varies)	Sight Glass
	M-THERMOMETER.dwg	(Varies)	Thermometer
	M-VFD.dwg	(Varies)	Variable-Frequency Drive
	SIDE CONNECTED SUPPLY, RETURN OR EXHAUST DEVICE.dwg	(Varies)	Side-Connected Supply
	COMBINATION FIRE AND SMOKE DAMPER WITH DUCT ACCESS DOOR.dwg	(Varies)	Fire and Smoke Damper Combination with Duct Access Door
	FUSIBLE LINK FIRE DAMPER WITH DUCT ACCESS DOOR.dwg	(Varies)	Fusible Link Fire Damper with Duct Access Door
	M-M_B_CONTR_DAMP1.dwg	(Varies)	Multi-Blade Control Damper with Spring Opposed, Diaphragm Actuator w/o Positioner

	M-M_B_CONTR_DAMP.dwg	(Varies)	Multi-Blade Control Damper with Spring Diaphragm Actuator and Positioner
	M-MOTORIZED_DAMPER.dwg	(Varies)	Motorized Damper
	MOTORIZED DAMPER.dwg	(Varies)	Motorized Damper
	SMOKE DAMPER WITH DUCT ACCESS DOOR.dwg	(Varies)	Smoke Damper with Duct Access Door
	SPLITTER DAMPER.dwg	(Varies)	Splitter Damper
	VOLUME DAMPER.dwg	(Varies)	Volume Damper
	ACCOUSTICAL LINED DUCT.dwg	(Varies)	Acoustical Lined Duct
	DUCT SECTION CARRYING RETURN AIR.dwg	(Varies)	Duct Section Carrying Return Air
	DUCT SECTION CARRYING SUPPLY AIR.dwg	(Varies)	Duct Section Carrying Supply Air
	CONCENTRIC REDUCER.dwg	(Varies)	Concentric Reducer
	ECCENTRIC REDUCER.dwg	(Varies)	Eccentric Reducer
	ELBOW WITH TURNNG VANES – CIR.dwg	(Varies)	Elbow with Circular Turning Vanes
	ELBOW WITH TURNING VANES – RECT.dwg	(Varies)	Elbow with Rectangular Turning Vanes

	M-DOOR_LOUVERED.DWG	(Varies)	Louvered Door
	M-DOOR_UNDERCUT.DWG	(Varies)	Undercut Door
	M-DUCT_DN1.dwg	(Varies)	Duct Sloping Down Symbol
	M-DUCT_DN.dwg	(Varies)	Duct Sloping Down Symbol
	M-DUCT_FLEX_CONNECT1.dwg	(Varies)	Flexible Connection
	M-DUCT_UP1.dwg	(Varies)	Raise Duct Up Symbol
	M-DUCT_UP.dwg	(Varies)	Raise Duct Up Symbol
	SLOPING DROP IN DUCT IN DIRECTION OF ARROW.dwg	(Varies)	Sloping Drop in Duct (Direction of Arrow)
	SLOPING RISE IN DUCT IN DIRECTION OF ARROW.dwg	(Varies)	Sloping Rise in Duct (Direction of Arrow)

6.21.4.5 HVAC Mechanical Equipment

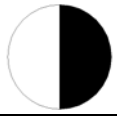
Symbol	Block Name	Layer Name	Description
	AXIAL FAN.dwg	(Varies)	Axial Fan
	M-FAN.dwg	(Varies)	Centrifugal Fan or Pump Symbol for Diagrams
	M-FAN_PROP.dwg	(Varies)	Propeller Fan Symbol

	M-PUMP.dwg	(Varies)	Pump Symbol
	M-PUMP_END_SUCT.dwg	(Varies)	End Suction Pump Symbol
	M-PUMPHORIZ_SPLIT.dwg	(Varies)	Horizontal Equal Split Pump Symbol
	M-UNIT_HEATER.dwg	(Varies)	Unit Heater
	PUMP.dwg	(Varies)	Pump
	WALL HYDRANT.dwg	(Varies)	Wall-Mounted Hydrant

6.21.4.6 HVAC Miscellaneous

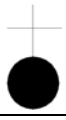
Symbol	Block Name	Layer Name	Description
	ARROW INDICATES DIRECTION OF FLOW.dwg	(Varies)	Direction of Flow
	BALL JOINTS.dwg	(Varies)	Ball Joints
	CONCEALED SPRINKLER HEAD.dwg	(Varies)	Concealed Sprinkler Head
	DUCT SIZE – FIRST SIZE INDICATES PLAN SIZE.dwg	(Varies)	Duct Size
	REMOVAL SPRINKLER HEAD TO BE REMOVED.dwg	(Varies)	Removal Sprinkler Head to be Removed
	M-AIRFLOW_RTN.DWG	(Varies)	Air Flow Directional Arrow (Negative Pressure)

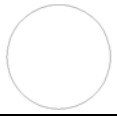
	M-AIRFLOW_SUP.dwg	(Varies)	Air Flow Direction Arrow (Positive Pressure)
	M-ARROW_1.dwg	(Varies)	Air Flow Directional Arrow
	M-ARROW_FLOW.dwg	(Varies)	Fluid Flow Arrow Symbol
	M-CONNECT.dwg	(Varies)	Point of Connection
	M-DDC_AI.dwg	(Varies)	DDC Analog Input Signal
	M-DDC_AO.dwg	(Varies)	DDC Analog Output Signal
	M-DDC_DI.dwg	(Varies)	DDC Digital Input Signal
	M-DDC_DO.dwg	(Varies)	DDC Digital Output Signal
	M-DDC_SIGNAL_SELECT.dwg	(Varies)	DDC Signal Selector
	M-DIFF_PRS_SWTCH.dwg	(Varies)	Pressure Differential Switch
	M-DISCONNECT.dwg	(Varies)	Point of Disconnection
	M-PIPE_BREAK.dwg	(Varies)	Pipe Break
	M-PIPE_RISERBOX.dwg	(Varies)	Riser Box

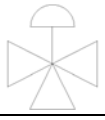
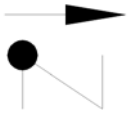
	M-PIPE_SECTION.dwg	(Varies)	Pipe Riser Symbol
	M-POINT_OF_CONNTECTION.dwg	(Varies)	Connection Between Removal and New
	M-POINT_OF_DISCONNECTION.dwg	(Varies)	Disconnection of Removal
	M-PRS_TRNSMTR.dwg	(Varies)	Pressure Transmitter
	M-TAG_EQUIP.dwg	(Varies)	Equipment Tag
	SIDEWALL SPRINKLER HEAD.dwg	(Varies)	Sidewall Sprinkler Head
	UPRIGHT SPRINKLER HEAD.dwg	(Varies)	Upright Sprinkler Head

6.21.4.7 HVAC Piping

Symbol	Block Name	Layer Name	Description
	CAPPED PIPE.dwg	(Varies)	Capped Pipe
	DIRT POCKET.dwg	(Varies)	Dirty Pocket
	DRIP ASSEMBLY.dwg	(Varies)	Drip Assembly
	FLOAT & THERMOSTATIC STEAM TRAP WITH BLOWDOWN VALVE.dwg	(Varies)	Float & Thermostatic Steam Trap with Blowdown Valve
	M-PIPE_ANCHOR.dwg	(Varies)	Pipe Anchor Symbol

	M-PIPE_STRAINER.dwg	(Varies)	Strainer with Blow-Off Valve
	M-PIPE_UNION.dwg	(Varies)	Pipe Union
	M-PRESSURE_GAUGE.dwg	(Varies)	Pressure Gauge with Cock
	M-REDUCER.dwg	(Varies)	Reducer
	PIPE ANCHOR.dwg	(Varies)	Pipe Anchor
	PIPE EXPANSION JOINT.dwg	(Varies)	Pipe Expansion Joint
	PIPE FLEXIBLE CONNECTION.dwg	(Varies)	Pipe Flexible Connection
	PIPE GUIDE.dwg	(Varies)	Pipe Guide
	PLUG FOR PRESSURE GAUGE AND THERMOMETER CONNECTION.dwg	(Varies)	Plug for Pressure Gauge and Thermometer Connection
	PLUMBING FIXTURE STOP.dwg	(Varies)	Plumbing Fixtures Stop
	STRAINER BASKET TYPE.dwg	(Varies)	Strainer Basket Type
	STRAINER ‘Y’ TYPE WITH BLOWDOWN VALVE.dwg	(Varies)	Strainer ‘Y’ Type with Blowdown Valve
	UNION.dwg	(Varies)	Union

	VACUUM BREAKER.dwg	(Varies)	Vacuum Breaker
	VALVED CAPPED OUTLET – BALL.dwg	(Varies)	Valved, Capped Outlet – Ball
	VALVED CAPPED OUTLET – GATE.dwg	(Varies)	Valved, Capped Outlet – Gate
	VALVED CAPPED OUTLET – PLUG.dwg	(Varies)	Valved, Capped Outlet – Plug
	VENTURI FLOW METER.dwg	(Varies)	Venturi Flow Meter
	M-PIPE_DN.dwg	(Varies)	Pipe Turns Down Symbol
	M-PIPE_TAP.dwg	(Varies)	Bottom Tap Pipe Connection
	M-PIPE_UP.dwg	(Varies)	Pipe Turns Up Symbol
	PIPE DOWN.dwg	(Varies)	Pipe Down
	PIPE UP.dwg	(Varies)	Pipe Up
	BALL VALVE.dwg	(Varies)	Ball Valve
	LOCK-SHIELD VALVE.dwg	(Varies)	Lock-Shield Valve
	LUBRICATED PLUG VALVE.dwg	(Varies)	Lubricated Plug Valve

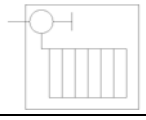
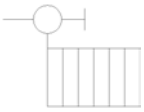
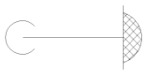
	M-VALVE_AUTO.dwg	(Varies)	Automatic Valve
	M-VALVE_AUTO_3WAY.dwg	(Varies)	Three-Way Modulating Automatic Control Valve
	M-VALVE_BALL.dwg	(Varies)	Balancing Valve
	M-VALVE_BUTTERFLY.dwg	(Varies)	Butterfly Valve
	M-VALVE_CHECK1.dwg	(Varies)	Check Valve – Swing
	M-VALVE_CHECK.dwg	(Varies)	Check Valve – Lift
	M-VALVE_DIAPHRAGM.dwg	(Varies)	Diaphragm Operated Control Valve Spring Opposed with Positioner
	M-VALVE_GATE.dwg	(Varies)	Gate Valve
	M-VALVE_GLOBE.dwg	(Varies)	Globe Valve
	M-VALVE_LUBRICATION.dwg	(Varies)	Plug Valve
	M-VALVE_MISC.dwg	(Varies)	EP Control Valve
	M-VALVE_MOTORIZED.dwg	(Varies)	Motor-Operated Valve
	M-VALVE_PRESSURE_RED.dwg	(Varies)	Pressure-Reducing Valve

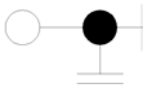
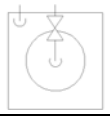
	M-VALVE_SOLONOID.dwg	(Varies)	Solenoid Valve
	PRESSURE REDUCING VALVE.dwg	(Varies)	Pressure-Reducing Valve
	RELIEF VALVE.dwg	(Varies)	Relief Valve

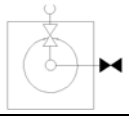
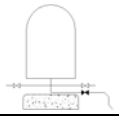
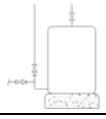
6.21.4.8 Plumbing & Fire Protection Accessories

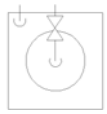
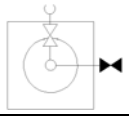
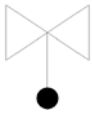
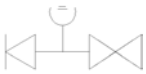
Symbol	Block Name	Layer Name	Description
	P-ALARM_BELL.dwg	(Varies)	Bell/Strobe
	P-ALARMHOR_N.dwg	(Varies)	Horn
	P-AREA_DRAIN.dwg	(Varies)	Area Drain
	P-BELL_STROBE.dwg	(Varies)	Bell Strobe
	P-BWV.dwg	(Varies)	Back Water Valve
	P-CLEANOUT.dwg	(Varies)	Cleanout
	P-CLEANOUT_DECK_PLATE.dwg	(Varies)	Cleanout Deck Plate
	P-CLEANOUT_ELEV.dwg	(Varies)	Cleanout (Elevation View)
	P-CONNECTION TEE.dwg	(Varies)	Tee Connection

	P-DOMCONT.dwg	(Varies)	Domestic Cont.
	P-DRAIN_FLOOR.dwg	(Varies)	Floor Drain
	P-DRAIN_FLOOR_RISER.dwg	(Varies)	Floor Drain Riser
	P-DRAIN_FUNNEL.dwg	(Varies)	Funnel Drain
	P-DRAIN_PTRAP_PRIMER.dwg	(Varies)	PTrap Drain Primer
	P-DRAIN_ROOF_RISER.dwg	(Varies)	Drain Riser
	P-DRAIN_STANDPIPE.dwg	(Varies)	Drain Standpipe
	P-FA_INLET.dwg	(Varies)	Fresh Air Inlet
	P-FA_INTAKE.dwg	(Varies)	Fresh Air Intake
	P-FD.dwg	(Varies)	Floor Drain
	P-FHC.dwg	(Varies)	Fire Hose Connection
	P-FHC_PLAN.dwg	(Varies)	Fire Hose Connection (Plan)
	P-FHR.dwg	(Varies)	Fire Hose Rack

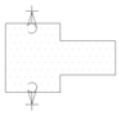
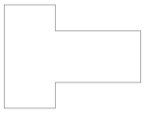
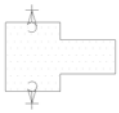
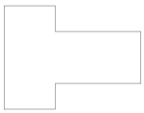
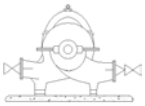
	P-FHR_PLAN.dwg	(Varies)	Fire Hose Rack (Plan)
	P-FIRE_HOSE_CABINET_PLAN.dwg	(Varies)	Fire Hose & Cabinet
	P-FIRE_HOSE_CABINET_ELEV.dwg	(Varies)	Fire Hose & Cabinet (Elevation)
	P-FIRE_HOSE_RACK_ELEV.dwg	(Varies)	Fire Hose Rack (Elevation)
	P-FIRE_HOSE_RACK_PLAN.dwg	(Varies)	Fire Hose Rack (Plan)
	P-FLOOR_DRAIN.dwg	(Varies)	Drain Floor Pipe
	P-FLOW_METER.dwg	(Varies)	Flow Meter
	P-FLOW_SWITCH.dwg	(Varies)	Flow Switch
	P-FLUSH_WALL_MOUNTED_SIAME.dwg	(Varies)	Wall-Mounted Siamese Connection
	P-FREE_STANDING_SIAME.dwg	(Varies)	Free-Standing Siamese Connection
	P-FRESH_AIR_INTAKE.dwg	(Varies)	Fresh Air Intake
	P-FRESH_AIR_INTAKE_PLATE.dwg	(Varies)	Fresh Air Intake Plate
	P-FUNDRAIN.dwg	(Varies)	Drain

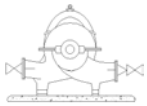
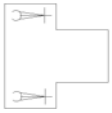
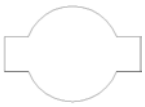
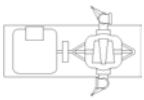
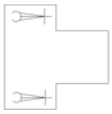
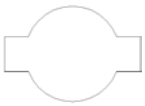
	P-GASBOOSTER.dwg	(Varies)	Gas Booster
	P-GAUGE_PRESSURE.dwg	(Varies)	Pressure Gauge
	P-GAUGE_THERMOMETER.dwg	(Varies)	Gauge Thermometer
	P-GREASE_INTERCEPTOR.dwg	(Varies)	Grease Interceptor
	P-GREASEINTCPT.dwg	(Varies)	Grease Interceptor
	P-HB.dwg	(Varies)	Hose Bibb
	P-HORN.dwg	(Varies)	Horn
	P-HOSE_BIB.dwg	(Varies)	Hose Bibb
	P-HTRAP.dwg	(Varies)	House Trap (Riser)
	P-HVC.dwg	(Varies)	Hose Bibb Valve Connection
	P-HWATERHEAT.dwg	(Varies)	Hot Water Heater (Riser)
	P-MISCPMPRISE.dwg	(Varies)	Pump Riser (Miscellaneous)
	P-PIPE_CAP.dwg	(Varies)	Pipe Cap

	P-PIPE_TEE.dwg	(Varies)	Pipe Tee
	P-PNEUTANK.dwg	(Varies)	Pneumatic Tank
	P-PNEUTANKRISER.dwg	(Varies)	Pneumatic Tank (Riser)
	P-PREHEATRISER.dwg	(Varies)	Pre-Heater (Riser)
	P-RD.dwg	(Varies)	Roof Drain
	P-ROOF_MANIFOLD.dwg	(Varies)	Roof Manifold
	P-RPZ.dwg	(Varies)	RPZ (Riser)
	P-SHOWER.dwg	(Varies)	Shower
	P-SIAMESE_FREE_STANDING.dwg	(Varies)	Free-Standing Siamese
	P-SIAMESE_WALL_MOUNTED.dwg	(Varies)	Flush Wall-Mounted Siamese
	P-SINK.dwg	(Varies)	Sink
	P-SLAV.dwg	(Varies)	Lavatory (Riser)
	P-STANDDRAIN.dwg	(Varies)	Standpipe Drain

	P-TANK_HOTWATER.dwg	(Varies)	Hot Water Storage Tank
	P-TANK_PNEUMATIC.dwg	(Varies)	Pneumatic Tank
	P-TANKFLOAT.dwg	(Varies)	Tank Float
	P-THERMOMETER.dwg	(Varies)	Thermometer
	P-THERMOSTAT.dwg	(Varies)	Thermostat
	P-TR.dwg	(Varies)	Fixture P-Trap (Riser)
	P-TRPPRM_DRN.dwg	(Varies)	Floor Drain Primer with P-Trap Connection
	P-VACUUM_BREAKER.dwg	(Varies)	Vacuum Breaker
	P-VACUUM_BREAKER_ASSEMBLY.dwg	(Varies)	Vacuum Breaker Assembly
	P-VENTURBINPUMP.dwg	(Varies)	Turbine Pump
	P-VFD.dwg	(Varies)	Variable Frequency Drive
	P-VOR.dwg	(Varies)	Variable
	P-VRV.dwg	(Varies)	Variable Valve

6.21.4.9 Plumbing & Fire Protection Mechanical Equipment

Symbol	Block Name	Layer Name	Description
	FP-AUTOFIREPUMP.dwg	(Varies)	Automatic Fire Pump
	FP-AUTOFPMPCTRL.dwg	(Varies)	Automatic Fire Pump Control
	FP-FIRE_PUMP_CONTROL_PANEL.dwg	(Varies)	Automatic Fire Pump Control Panel
	FP-FIRE_PUMP_JOCKEY.dwg	(Varies)	Jockey Pump Control Panel
	FP-FIRE_PUMP_MAIN_PAD.dwg	(Varies)	Fire Pump Main Pad
	FP-FIRE_PUMP_PANEL.dwg	(Varies)	Fire Pump Panel
	FP-HORIZSPLTCASEPMP.dwg	(Varies)	Horizontal Split Case Pump
	FP-JOCKEYPMP.dwg	(Varies)	Jockey Pump
	FP-JOCKEYPMPCTRL-PA.dwg	(Varies)	Manual Fire Pump Control
	FP-MANFIREPMP.dwg	(Varies)	Manual Fire Pump
	FP-MANFIREPMPCONTROL.dwg	(Varies)	Manual Fire Pump Control
	FP-MANUALFRPMP.dwg	(Varies)	Manual Fire Pump

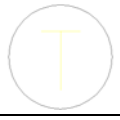
	FP-PUMP_FIRE.dwg	(Varies)	Fire Pump
	FP-PUMPHORIZONTAL.dwg	(Varies)	Horizontal Pump
	FP-PUMP_JOCKEY.dwg	(Varies)	Jockey Pump (Plan)
	P-DOMPUMP.dwg	(Varies)	Domestic Water Pump
	P-FIRE_PUMP.dwg	(Varies)	Fire Pump
	P-FIRE_PUMP_VERT.dwg	(Varies)	Fire Pump (Riser)
	P-HWCIRCPMP.dwg	(Varies)	Hot Water Circulation Pump
	P-PUMP.dwg	(Varies)	Pump (Plan)
	P-PUMP_DOMESTIC.dwg	(Varies)	Domestic Pump
	P-DUPLEX_EJECTOR_SUMP.dwg	(Varies)	Duplex Ejector/Sump Pump Discharge
	P-PUMP_GAS_BOOSTER.dwg	(Varies)	Gas Booster Pump
	P-PUMP_HW_CIRC.dwg	(Varies)	HW Circulation Pump (Riser)
	P-PUMP_VERT_TURBINE.dwg	(Varies)	Vertical Turbine Pump (Riser)

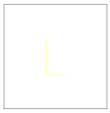
6.21.4.10 Plumbing & Fire Protection Miscellaneous

Symbol	Block Name	Layer Name	Description
	FP-HDETECT.dwg	(Varies)	Heat Detector
	MEC-CALLOUT.dwg	(Varies)	Callout for Plans
	Mec-SEC-MARK.dwg	(Varies)	Section Mark
	PA-BRK-PA.dwg	(Varies)	Break
	P-ALARM_VALVE.dwg	(Varies)	Alarm Valve
	P-B-671.dwg	(Varies)	Group Line Tag
	P-BKFLWPREVENT.dwg	(Varies)	Backflow Preventer
	P-BREAK_DUCT.dwg	(Varies)	Break Line
	P-BREAK_DUCT_DOUBLE.dwg	(Varies)	Double Break Lines
	P-BREAK_EQUIP.dwg	(Varies)	Break Line
	P-BREAK_EQUIP_DOUBLE.dwg	(Varies)	Double Break Lines
	P-BREAK_LINE2.dwg	(Varies)	Break Line Symbol for Double Linework

	P-CEN.dwg	(Varies)	Point of Connection
	P-CENLSYMB.dwg	(Varies)	Center Line Symbol
	P-CENTER_LINE.dwg	(Varies)	Center Line Symbol
	P-CUT2.dwg	(Varies)	Detail Symbol for Plans
	P-CUT3.dwg	(Varies)	Section Head
	P-CUT4.dwg	(Varies)	Section Line
	P-CWBD.dwg	(Varies)	Cold Water
	P-DELUGE_VALVE.dwg	(Varies)	Deluge Valve
	P-DEN.dwg	(Varies)	Point of Disconnect
	P-DRY_VALVE.dwg	(Varies)	Dry Valve
	P-DUCT_BREAK.dwg	(Varies)	Duct Break
	P-METER.dwg	(Varies)	Meter
	P-MOTOR_OPERATED_VALVE.dwg	(Varies)	Motor-Operated Valve

	P-NCV.dwg	(Varies)	Check Valve
	P-NTAG.dwg	(Varies)	Tag
	P-POINT_OF_CONNECTION.dwg	(Varies)	Connection Between Removal and New
	P-POINT_OF_REMOVAL.dwg	(Varies)	Disconnection of Removal
	P-PRE_ACTION_VALVE.dwg	(Varies)	Pre-Action Valve
	P-PRESSURE_GAUGE.dwg	(Varies)	Pressure Gauge
	P-PTAG.dwg	(Varies)	Plumbing Tag
	P-PUMP_DISCHARGE.dwg	(Varies)	Pump Discharge
	P-REM.dwg	(Varies)	Removal Marker
	P-REMOVAL.dwg	(Varies)	Removal Marker
	P-REV.dwg	(Varies)	Revision Tag
	P-RISERBOX.dwg	(Varies)	Riser Box
	P-SMOKE_DETECTOR_(DUCT).dwg	(Varies)	Duct Smoke Detector

	P-SOLENOID_VALVE.dwg	(Varies)	Solenoid Valve
	P-SPACE_THERMOSTAT_SENSOR.dwg	(Varies)	Space Thermostat Sensor
	P-SPUMP.dwg	(Varies)	Supply Pump
	P-SQF.dwg	(Varies)	Area Tag
	P-SQUARE_FEET.dwg	(Varies)	Square Feet
	P-SY.dwg	(Varies)	Plumbing Tag
	P-SYM42.dwg	(Varies)	Tag
	P-SYM43.dwg	(Varies)	Tag
	P-SYM45.dwg	(Varies)	Tag
	P-TAG.dwg	(Varies)	Plumbing Tag
	P-TAG_CIRC1.dwg	(Varies)	Circle Tag
	P-TAG_CIRC_2.dwg	(Varies)	Riser Tag
	P-TAG_HEX.dwg	(Varies)	Hexagonal Tag

	P-TAG_SQU.dwg	(Varies)	Square Tag
	P-TAG_EQUIP.dwg	(Varies)	Equipment Tag
	P-VR.dwg	(Varies)	Pressure-Reducing Valve
	P-XTAG.dwg	(Varies)	Number Tag

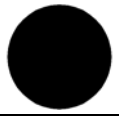
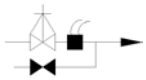
6.21.4.11 Plumbing & Fire Protection Piping

Symbol	Block Name	Layer Name	Description
	FP-WALLHYP.dwg	(Varies)	Wall-Mounted Connection
	P-2A.dwg	(Varies)	Double Cleanout
	P-14A.dwg	(Varies)	Cleanout
	P-CLEANOUT_RISER.dwg	(Varies)	Riser Cleanout
	P-CLEANOUT_RISER_CONNECTION.dwg	(Varies)	Riser Cleanout Connection
	P-LAVTRP.dwg	(Varies)	P-Trap
	P-PIPE.dwg	(Varies)	Pipe Riser Symbol
	P-PIPE_BREAK.dwg	(Varies)	Pipe Break Symbol

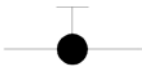
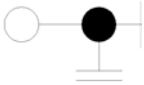
	P-PIPE_BRK.dwg	(Varies)	Pipe Break Symbol
	P-PIPE_CONN.dwg	(Varies)	Pipe Connection
	P-PIPE_CONNECTION.dwg	(Varies)	New Pipe Connection
	P-PIPE_DN.dwg	(Varies)	Elbow Down
	P-PIPE_TEE_DN.dwg	(Varies)	Tee Down
	P-PIPE_UP.dwg	(Varies)	Pipe Up
	P-TEE_DN.dwg	(Varies)	Tee Down
	P-UNDER.dwg	(Varies)	Sub-Surface Piping

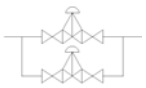
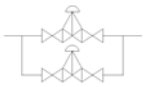
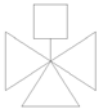
6.21.4.12 Plumbing & Fire Protection Sprinklers

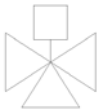
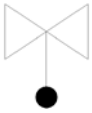
Symbol	Block Name	Layer Name	Description
	P-PENDANT_SPRINKLER_ON_DROP_NIPPLE.dwg	(Varies)	Pendant Sprinkler on Drop Nipple
	P-SIDEWALL_SPRINKLER.dwg	(Varies)	Sidewall Sprinkler
	P-SPKARR.dwg	(Varies)	Sprinkler
	P-SPKR.dwg	(Varies)	Sprinkler

	P-SPRINKLER_SIDEWALL.dwg	(Varies)	Sidewall Sprinkler
	P-SPRINKLER_PENDANT.dwg	(Varies)	Pendant Sprinkler
	P-SPRINKLER_RIG_ASSEMBLY.dwg	(Varies)	Sprinkler Rig Assembly
	P-SPRINKLER_UPRIGHT.dwg	(Varies)	Upright Sprinkler
	P-SPRINKLER_VALVE_FLOW.dwg	(Varies)	Sprinkler Control Valve with Flow Switch
	P-UPRIGHT_SPRINKLER.dwg	(Varies)	Upright Sprinkler

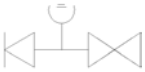
6.21.4.13 Plumbing & Fire Protection Valves

Symbol	Block Name	Layer Name	Description
	P-AUTOMATIC_VALVE.dwg	(Varies)	Automatic Valve
	P-BALL_VALVE.dwg	(Varies)	Ball Valve Symbol
	P-BUTTERFLY_VALVE.dwg	(Varies)	Butterfly Valve
	P-CHECK_VALVE.dwg	(Varies)	Check Valve
	P-DOUBLECV.dwg	(Varies)	Double Check Valve
	P-FIRE_HOSE_VALVE.dwg	(Varies)	Fire Hose Valve

	P-GASVALVE.dwg	(Varies)	Gas Valve
	P-GATE_VALVE.dwg	(Varies)	Gate Valve
	P-GATE_VALVE_VERT.dwg	(Varies)	Gate Valve (Vertical)
	P-GLOBE_VALVE.dwg	(Varies)	Globe Valve
	P-HOLBYVALVE.dwg	(Varies)	Holby Valve
	P-LUBRICATION_VALVE.dwg	(Varies)	Lubrication Valve
	P-OSY.dwg	(Varies)	OS&Y Valve
	P-PRV.dwg	(Varies)	PRV
	P-PRV_RISER.dwg	(Varies)	PRV (Riser)
	P-PRVSERIES_PARR.dwg	(Varies)	PRV Series
	P-P-VALVE_OSY_VERTICAL.dwg	(Varies)	OS&Y Valve
	P-RV.dwg	(Varies)	PRV
	P-THREE_WAY_AUTO_VALVE.dwg	(Varies)	Three-Way Automatic Valve

	P-VALVE_3_WAY_AUTO.dwg	(Varies)	3-Way Automatic Valve
	P-VALVE_MIXING.dwg	(Varies)	Mixing Valve
	P-VALVE_ALARM.dwg	(Varies)	Alarm Valve
	P-VALVE_AUTOMATIC.dwg	(Varies)	Automatic Valve
	P-VALVE_BACK_WATER.dwg	(Varies)	Back Water Valve
	P-VALVE_BALL_DRIP.dwg	(Varies)	Check Valve with Automatic Ball Drip
	P-VALVE_BUTTERFLY.dwg	(Varies)	Butterfly Valve
	P-VALVE_CHECK.dwg	(Varies)	Check Valve
	P-VALVE_DELUGE.dwg	(Varies)	Deluge Valve
	P-VALVE_DOUBLE_GATE_CHECK.dwg	(Varies)	Double Gate & Check Valve Assembly
	P-VALVE_DOUBLE_GATE_DOUBLE_CHECK.dwg	(Varies)	Double Gate Valve with Double Check Valve Assembly
	P-VALVE_DRY.dwg	(Varies)	Dry Valve
	P-VALVE_FLOAT.dwg	(Varies)	Float Valve

	P-VALVE_GAS_CONTROL.dwg	(Varies)	Gas Control Valve
	P-VALVE_GATE_VERT.dwg	(Varies)	Gate Valve (Vertical)
	P-VALVE_GATE.dwg	(Varies)	Gate Valve
	P-VALVE_GATE_CHECK.dwg	(Varies)	Single Gate & Check Valve Assembly
	P-VALVE_GLOBE.dwg	(Varies)	Globe Valve
	P-VALVE_LUBRICATION.dwg	(Varies)	Lubrication Valve
	P-VALVE_MOTORIZED.dwg	(Varies)	Motor-Operated Valve
	P-VALVE_NORMALLY_CLOSED.dwg	(Varies)	Normally-Closed Valve
	P-VALVE_OSY.dwg	(Varies)	OS & Y Valve
	P-VALVE_PRE-ACTION.dwg	(Varies)	Pre-Action Valve
	P-VALVE_PRESSURE_RELEASE.dwg	(Varies)	Pressure-Release Valve
	P-VALVE_PRV.dwg	(Varies)	Pressure-Regulating Valve
	P-VALVE_SOLENOID.dwg	(Varies)	Solenoid Valve

	P-VALVE_VACUUM.dwg	(Varies)	Vacuum Breaker Assembly

6.22 Appendix G – Structural Discipline

6.22.1 Content Preferences

This Section Is Currently Under Construction

6.22.2 Layer Stratagem

6.22.2.1 New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
GENERAL								
S	GNRL	EQPM	____	SSCL	31	CONTINUOUS	YES	STRUCTURAL GENERAL EQUIPMENT - SMALL SCALE
S	GNRL	EQPM	HIDN	SSCL	31	HIDDEN2	YES	STRUCTURAL GENERAL EQUIPMENT - SMALL SCALE HIDDEN
S	GNRL	EQPM	____	LSCL	41	CONTINUOUS	YES	STRUCTURAL GENERAL EQUIPMENT - LARGE SCALE
S	GNRL	EQPM	HIDN	LSCL	41	HIDDEN2	YES	STRUCTURAL GENERAL EQUIPMENT - LARGE SCALE HIDDEN
S	GNRL	EQPM			10	CONTINUOUS	YES	STRUCTURAL GENERAL EQUIPMENT
S	GNRL	EQPM	HIDN		10	HIDDEN2	YES	STRUCTURAL GENERAL EQUIPMENT - HIDDEN
S	GNRL	EQPM	PHAN		10	PHANTOM2	YES	STRUCTURAL GENERAL EQUIPMENT - PHANTOM
S	GNRL	MISC	____	SSCL	15	CONTINUOUS	YES	STRUCTURAL GENERAL MISCELLANEOUS
S	GNRL	MISC	HIDN	SSCL	15	HIDDEN2	YES	STRUCTURAL GENERAL MISCELLANEOUS - SMALL SCALE
S	GNRL	MISC	____	LSCL	6	CONTINUOUS	YES	STRUCTURAL GENERAL MISCELLANEOUS - SMALL SCALE HIDDEN
S	GNRL	MISC	HIDN	LSCL	6	HIDDEN2	YES	STRUCTURAL GENERAL MISCELLANEOUS - LARGE SCALE
S	GNRL	MISC			23	CONTINUOUS	YES	STRUCTURAL GENERAL MISCELLANEOUS - LARGE SCALE HIDDEN
S	GNRL	MISC	HIDN		23	HIDDEN2	YES	STRUCTURAL GENERAL MISCELLANEOUS - HIDDEN
ANNOTATION								
S	ANNO	BUBL		____	212	CONTINUOUS	YES	STRUCTURAL COLUMN BUBBLE
S	ANNO	CALL		____	10	PHANTOM2	YES	STRUCTURAL DETAIL CALLOUT
S	ANNO	CNTR		____	242	CENTER2	YES	STRUCTURAL CENTERLINE
S	ANNO	DIMS		____	92	CONTINUOUS	YES	STRUCTURAL DIMENSIONS
S	ANNO	KEYN		____	71	CONTINUOUS	YES	KEYNOTE / LEADER INSERTION LAYER
S	ANNO	KPLN		____	9	CONTINUOUS	YES	KEYPLAN GRAPHIC DRAFTING/ INSERTION LAYER
S	ANNO	LIM_		____	24	PHANTOM2	YES	
S	ANNO	TEXT		____	92	CONTINUOUS	YES	STRUCTURAL TEXT
S	ANNO	NPLT		____	2	CONTINUOUS	NPLT	NON-PLOTTINGS LAYER
S	ANNO	RVSN	CLD_	____	121	CONTINUOUS	YES	REVISION CLOUDS
S	ANNO	RVSN	TRNG	____	71	CONTINUOUS	YES	REVISION TAGS
S	ANNO	SYMB		____	71	CONTINUOUS	YES	STRUCTURAL SYMBOLS
S	ANNO	SCHD		____	92	CONTINUOUS	YES	SCHEDULES, TABLES LINEWORK AND AUTOCAD TABLE INSERTION LAYER
S	ANNO	SUBT		____	140	CONTINUOUS	YES	SUBTITLE
S	ANNO	TITL		____	211	CONTINUOUS	YES	TITLE

S	ANNO	TTBL		____	7	CONTINUOUS	YES	DRAWING TITLES (BLOCK)
S	ANNO	VPRT		____	8	CONTINUOUS	NPLT	VIEWPORT (MVIEW) CREATION LAYER/ XCLIP BOUNDARIES
S	ANNO	MLIN		____	30	PHANTOM2	YES	MATCHLINE
S	ANNO	WELD		____	71	CONTINUOUS	YES	STRUCTURAL WELDING SYMBOLOGY
S	ANNO	GRID		____	223	CENTER2	YES	COLUMN GRIDS
S	ANNO	XLIN		____	8	CONTINUOUS	YES	CONSTRUCTION LINE
BEAM								
S	BEAM	CONC			81	CONTINUOUS	YES	STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST
S	BEAM	CONC	____	SSCL	82	CONTINUOUS	YES	STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST - SMALL SCALE
S	BEAM	CONC	HIDN	SSCL	82	HIDDEN2	YES	STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST - SMALL SCALE HIDDEN
S	BEAM	CONC	____	LSCL	90	CONTINUOUS	YES	STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST - LARGE SCALE
S	BEAM	CONC	HIDN	LSCL	90	HIDDEN2	YES	STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST - LARGE SCALE HIDDEN
S	BEAM	CONC	HIDN		81	HIDDEN2	YES	STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST - HIDDEN
S	BEAM	INSD			190	CONTINUOUS	YES	INNER BEAM FLANGE LINEWORK
S	BEAM	INSD	HIDN		190	HIDDEN2	YES	INNER BEAM FLANGE LINEWORK - HIDDEN
S	BEAM	STL_			220	CONTINUOUS	YES	STRUCTURAL STEEL BEAMS
S	BEAM	STL_	HIDN		220	HIDDEN2	YES	STRUCTURAL STEEL BEAMS - HIDDEN
S	BEAM	STL_	____	SSCL	212	CONTINUOUS	YES	STRUCTURAL STEEL BEAM - SMALL SCALE
S	BEAM	STL_	____	LSCL	231	CONTINUOUS	YES	STRUCTURAL STEEL BEAMS - LARGE SCALE
S	BEAM	STL_	HIDN	SSCL	212	HIDDEN2	YES	STRUCTURAL STEEL BEAMS - SMALL SCALE HIDDEN
S	BEAM	STL_	HIDN	LSCL	231	HIDDEN2	YES	STRUCTURAL STEEL BEAMS - LARGE SCALE HIDDEN
S	BEAM	TMBR			23	CONTINUOUS	YES	STRUCTURAL TIMBER BEAMS
S	BEAM	TMBR	____	SSCL	15	CONTINUOUS	YES	STRUCTURAL TIMBER BEAMS - SMALL SCALE
S	BEAM	TMBR	HIDN	SSCL	15	HIDDEN2	YES	STRUCTURAL TIMBER BEAMS - SMALL SCALE HIDDEN
S	BEAM	TMBR	____	LSCL	33	CONTINUOUS	YES	STRUCTURAL TIMBER BEAMS - LARGE SCALE
S	BEAM	TMBR	HIDN	LSCL	33	HIDDEN2	YES	STRUCTURAL TIMBER BEAMS - LARGE SCALE HIDDEN
S	BEAM	TMBR	HIDN		23	HIDDEN2	YES	STRUCTURAL TIMBER BEAMS - HIDDEN
BRACE								
S	BRCE	STL_			170	CONTINUOUS	YES	STRUCTURAL STEEL BRACING
S	BRCE	STL_	HIDN		170	HIDDEN2	YES	STRUCTURAL STEEL BRACING HIDDEN
S	BRCE	STL_	____	SSCL	191	CONTINUOUS	YES	STRUCTURAL STEEL BRACING - SMALL SCALE
S	BRCE	STL_	HIDN	SSCL	191	HIDDEN2	YES	STRUCTURAL STEEL BRACING - SMALL SCALE HIDDEN
S	BRCE	STL_	____	LSCL	192	CONTINUOUS	YES	STRUCTURAL STEEL BRACING HIDDEN - LARGE SCALE
S	BRCE	STL_	HIDN	LSCL	192	HIDDEN2	YES	STRUCTURAL STEEL BRACING HIDDEN - LARGE SCALE HIDDEN
S	BRCE	TMBR			32	CONTINUOUS	YES	STRUCTURAL TIMBER BRACING
S	BRCE	TMBR	____	SSCL	41	CONTINUOUS	YES	STRUCTURAL TIMBER BRACING - SMALL SCALE

S	BRCE	TMBR	HIDN	SSCL	41	HIDDEN2	YES	STRUCTURAL TIMBER BRACING - SMALL SCALE HIDDEN
S	BRCE	TMBR	____	LSCL	35	CONTINUOUS	YES	STRUCTURAL TIMBER BRACING - LARGE SCALE HIDDEN
S	BRCE	TMBR	HIDN	LSCL	35	HIDDEN2	YES	STRUCTURAL TIMBER BRACING - SMALL SCALE HIDDEN
COLUMNS								
S	COLS	CONC			131	CONTINUOUS	YES	STRUCTURAL CONCRETE COLUMNS
S	COLS	CONC	HIDN		131	HIDDEN2	YES	STRUCTURAL CONCRETE COLUMNS - HIDDEN
S	COLS	CONC	____	SSCL	121	CONTINUOUS	YES	STRUCTURAL CONCRETE COLUMNS - SMALL SCALE
S	COLS	CONC	HIDN	SSCL	121	HIDDEN2	YES	STRUCTURAL CONCRETE COLUMNS - SMALL SCALE HIDDEN
S	COLS	CONC	____	LSCL	140	CONTINUOUS	YES	STRUCTURAL CONCRETE COLUMNS - LARGE SCALE
S	COLS	CONC	HIDN	LSCL	140	HIDDEN2	YES	STRUCTURAL CONCRETE COLUMNS - LARGE SCALE HIDDEN
S	COLS	MSRY			81	CONTINUOUS	YES	STRUCTURAL MASONRY COLUMN/PIER
S	COLS	MSRY	____	SSCL	82	CONTINUOUS	YES	STRUCTURAL MASONRY COLUMNS - SMALL SCALE
S	COLS	MSRY	HIDN	SSCL	82	HIDDEN2	YES	STRUCTURAL MASONRY COLUMNS - SMALL SCALE HIDDEN
S	COLS	MSRY	____	LSCL	90	CONTINUOUS	YES	STRUCTURAL MASONRY COLUMNS - LARGE SCALE
S	COLS	MSRY	HIDN	LSCL	90	HIDDEN2	YES	STRUCTURAL MASONRY COLUMNS - LARGE SCALE HIDDEN
S	COLS	MSRY	HIDN		81	HIDDEN2	YES	STRUCTURAL MASONRY COLUMNS - HIDDEN
S	COLS	STL_			220	CONTINUOUS	YES	STRUCTURAL STEEL COLUMN OR POST
S	COLS	STL_	HIDN		220	HIDDEN2	YES	STRUCTURAL STEEL COLUMN OR POST - HIDDEN
S	COLS	STL_	____	SSCL	212	CONTINUOUS	YES	STRUCTURAL STEEL COLUMN OR POST - SMALL SCALE
S	COLS	STL_	HIDN	SSCL	212	HIDDEN2	YES	STRUCTURAL STEEL COLUMN OR POST - SMALL SCALE HIDDEN
S	COLS	STL_	____	LSCL	231	CONTINUOUS	YES	STRUCTURAL STEEL COLUMN OR POST - LARGE SCALE
S	COLS	STL_	HIDN	LSCL	231	HIDDEN2	YES	STRUCTURAL STEEL COLUMN OR POST - LARGE SCALE HIDDEN
S	COLS	TMBR			23	CONTINUOUS	YES	TIMBER COLUMN
S	COLS	TMBR	HIDN		23	HIDDEN2	YES	TIMBER COLUMNS - HIDDEN
S	COLS	TMBR	____	SSCL	15	CONTINUOUS	YES	TIMBER COLUMNS - SMALL SCALE
S	COLS	TMBR	HIDN	SSCL	15	HIDDEN2	YES	TIMBER COLUMNS - SMALL SCALE HIDDEN
S	COLS	TMBR	____	LSCL	33	CONTINUOUS	YES	TIMBER COLUMNS - LARGE SCALE
S	COLS	TMBR	HIDN	LSCL	33	HIDDEN2	YES	TIMBER COLUMNS - LARGE SCALE HIDDEN
COMPONENTS								
S	CMPT	CONC			131	CONTINUOUS	YES	STRUCTURAL COMPONENT CONCRETE
S	CMPT	STL_	DECK		194	CONTINUOUS	YES	STRUCTURAL METAL DECK
S	CMPT	STL_	STFN		194	CONTINUOUS	YES	STRUCTURAL STEEL STIFFENERS
S	CMPT	STL_			194	CONTINUOUS	YES	STRUCTURAL COMPONENT STEEL
S	CMPT	STL_	ABLT		194	CONTINUOUS	YES	STRUCTURAL ANCHOR BOLTS
S	CMPT	TMBR			32	CONTINUOUS	YES	STRUCTURAL COMPONENT TIMBER
FLOOR/SLAB								
S	SLAB				81	CONTINUOUS	YES	STRUCTURAL FLOOR SLABS

S	SLAB	____	____	SSCL	82	HIDDEN2	YES	STRUCTURAL FLOOR SLABS - SMALL SCALE
S	SLAB	____	HIDN	SSCL	82	CONTINUOUS	YES	STRUCTURAL FLOOR SLABS - SMALL SCALE HIDDEN
S	SLAB	____	____	LSCL	90	HIDDEN2	YES	STRUCTURAL FLOOR SLABS - LARGE SCALE
S	SLAB	____	HIDN	LSCL	90	CONTINUOUS	YES	STRUCTURAL FLOOR SLABS - LARGE SCALE HIDDEN
S	SLAB	____	HIDN		81	HIDDEN2	YES	STRUCTURAL FLOOR SLABS - HIDDEN
FOOTING								
S	FTNG				131	CONTINUOUS	YES	STRUCTURAL FOUNDATION FOOTINGS
S	FTNG	____	HIDN		131	HIDDEN2	YES	STRUCTURAL FOUNDATION FOOTINGS - HIDDEN
S	FTNG	____	____	SSCL	121	CONTINUOUS	YES	STRUCTURAL FOUNDATION FOOTINGS - SMALL SCALE
S	FTNG	____	HIDN	SSCL	121	HIDDEN2	YES	STRUCTURAL FOUNDATION FOOTINGS - SMALL SCALE HIDDEN
S	FTNG	____	____	LSCL	140	CONTINUOUS	YES	STRUCTURAL FOUNDATION FOOTINGS - LARGE SCALE
S	FTNG	____	HIDN	LSCL	140	HIDDEN2	YES	STRUCTURAL FOUNDATION FOOTINGS - LARGE SCALE HIDDEN
HATCH PATTERNS								
S	PATT	STL_		____	8	CONTINUOUS	YES	STRUCTURAL STEEL HATCH PATTERNS
S	PATT	CONC		____	8	CONTINUOUS	YES	STRUCTURAL CONCRETE/MORTAR FILL HATCH PATTERNS
S	PATT	TMBR		____	8	CONTINUOUS	YES	STRUCTURAL WOOD GRAIN PATTERNS
S	PATT	MSRY		____	8	CONTINUOUS	YES	STRUCTURAL MASONRY HATCH PATTERNS
S	PATT	SCLN		____	8	CONTINUOUS	YES	STRUCTURAL SCORELINES, CUT LINES, EXPANSION JOINTS, ETC..
S	PATT	FILL		____	8	CONTINUOUS	YES	STRUCTURAL EARTH FILL HATCH PATTERNS
S	PATT	GRVL		____	8	CONTINUOUS	YES	STRUCTURAL GRAVEL FILL HATCH PATTERNS
S	PATT			____	8	CONTINUOUS	YES	STRUCTURAL HATCH PATTERNS
S	PATT	PAVM		____	53	CONTINUOUS	YES	STRUCTURAL PATTERNS PAVEMENT
S	PATT	RMVL		____	8	CONTINUOUS	YES	STRUCTURAL PATTERNS REMOVAL
S	PATT	RMVL	SHAD	____	8	CONTINUOUS	YES	STRUCTURAL PATTERNS REMOVAL SHADE
JOIST								
S	JOIS				40	CONTINUOUS	YES	STRUCTURAL JOISTS
S	JOIS	____	HIDN		40	HIDDEN2	YES	STRUCTURAL JOISTS - HIDDEN
S	JOIS	____	____	SSCL	41	CONTINUOUS	YES	STRUCTURAL JOISTS - SMALL SCALE
S	JOIS	____	HIDN	SSCL	41	HIDDEN2	YES	STRUCTURAL JOISTS - SMALL SCALE HIDDEN
S	JOIS	____	____	LSCL	43	CONTINUOUS	YES	STRUCTURAL JOISTS - LARGE SCALE
S	JOIS	____	HIDN	LSCL	43	HIDDEN2	YES	STRUCTURAL JOISTS - LARGE SCALE HIDDEN
PAVEMENT								
S	PAVM	ASPH		____	50	CONTINUOUS	YES	ASPHALT PAVEMENT
S	PAVM	ASPH	HIDN	____	50	HIDDEN2	YES	ASPHALT PAVEMENT HIDDEN
S	PAVM	CONC		____	131	CONTINUOUS	YES	CONCRETE PAVEMENT
S	PAVM	CONC	HIDN	____	131	HIDDEN2	YES	CONCRETE PAVEMENT HIDDEN
PILES								

S	PILE	CONC			131	CONTINUOUS	YES	STRUCTURAL CONCRETE PILES
S	PILE	CONC	HIDN		131	HIDDEN2	YES	STRUCTURAL CONCRETE PILES - HIDDEN
S	PILE	CONC	____	SSCL	121	CONTINUOUS	YES	STRUCTURAL CONCRETE PILES - SMALL SCALE
S	PILE	CONC	HIDN	SSCL	121	HIDDEN2	YES	STRUCTURAL CONCRETE PILES - SMALL SCALE HIDDEN
S	PILE	CONC	____	LSCL	140	CONTINUOUS	YES	STRUCTURAL CONCRETE PILES - LARGE SCALE
S	PILE	CONC	HIDN	LSCL	140	HIDDEN2	YES	STRUCTURAL CONCRETE PILES - LARGE SCALE HIDDEN
S	PILE	STL_			220	CONTINUOUS	YES	STRUCTURAL STEEL PILES
S	PILE	STL_	HIDN		220	CONTINUOUS	YES	STRUCTURAL STEEL PILES - HIDDEN
S	PILE	STL_	____	SSCL	212	HIDDEN2	YES	STRUCTURAL STEEL PILES - LARGE SCALE
S	PILE	STL_	____	LSCL	231	CONTINUOUS	YES	STRUCTURAL STEEL PILES - SMALL SCALE
S	PILE	TMBR			23	CONTINUOUS	YES	STRUCTURAL TIMBER PILES
S	PILE	TMBR	HIDN		23	HIDDEN2	YES	STRUCTURAL TIMBER PILES - HIDDEN
S	PILE	TMBR	____	SSCL	15	CONTINUOUS	YES	STRUCTURAL TIMBER PILES - SMALL SCALE
S	PILE	TMBR	HIDN	SSCL	15	HIDDEN2	YES	STRUCTURAL TIMBER PILES - SMALL SCALE HIDDEN
S	PILE	TMBR	____	LSCL	33	CONTINUOUS	YES	STRUCTURAL TIMBER PILES - LARGE SCALE
S	PILE	TMBR	HIDN	LSCL	33	HIDDEN2	YES	STRUCTURAL TIMBER PILES - LARGE SCALE HIDDEN
S	PILE	STL_	HIDN	SSCL	212	HIDDEN2	YES	STRUCTURAL STEEL PILES - SMALL SCALE HIDDEN
S	PILE	STL_	HIDN	LSCL	231	HIDDEN2	YES	STRUCTURAL STEEL PILES - LARGE SCALE HIDDEN
REINFORCEMENT								
S	RENF	____	____	SSCL	231	CONTINUOUS	YES	STRUCTURAL REINFORCING ELEMENTS - SMALL SCALE
S	RENF	____	HIDN	SSCL	231	HIDDEN2	YES	STRUCTURAL REINFORCING ELEMENTS - SMALL SCALE HIDDEN
S	RENF	____	____	LSCL	211	CONTINUOUS	YES	STRUCTURAL REINFORCING ELEMENTS - LARGE SCALE
S	RENF	____	HIDN	LSCL	211	HIDDEN2	YES	STRUCTURAL REINFORCING ELEMENTS - LARGE SCALE HIDDEN
S	RENF	WWF_			231	WWF	YES	STRUCTURAL WELDED WIRE FABRIC MESH
S	RENF	____	HIDN		201	HIDDEN2	YES	STRUCTURAL MISCELLANEOUS REINFORCING ELEMENTS
S	RENF				201	CONTINUOUS	YES	STRUCTURAL REINFORCING ELEMENTS
TRUSS								
S	TRUS				220	CONTINUOUS	YES	STRUCTURAL TRUSSES AND SPACE FRAMES
S	TRUS	____	HIDN		220	HIDDEN2	YES	STRUCTURAL TRUSSES AND SPACE FRAMES - HIDDEN
S	TRUS	____	____	SSCL	212	CONTINUOUS	YES	STRUCTURAL TRUSSES AND SPACE FRAMES - SMALL SCALE
S	TRUS	____	HIDN	SSCL	212	HIDDEN2	YES	STRUCTURAL TRUSSES AND SPACE FRAMES - SMALL SCALE HIDDEN
S	TRUS	____	____	LSCL	231	CONTINUOUS	YES	STRUCTURAL TRUSSES AND SPACE FRAMES - LARGE SCALE
S	TRUS	____	HIDN	LSCL	231	HIDDEN2	YES	STRUCTURAL TRUSSES AND SPACE FRAMES - LARGE SCALE HIDDEN
WALL								
S	WALL	CONC			81	CONTINUOUS	YES	STRUCTURAL CONCRETE WALLS
S	WALL	CONC	____	SSCL	82	CONTINUOUS	YES	STRUCTURAL CONCRETE WALLS - SMALL SCALE
S	WALL	CONC	____	LSCL	90	CONTINUOUS	YES	STRUCTURAL CONCRETE WALLS - HIDDEN SCALE

S	WALL	CONC	HIDN	SSCL	82	HIDDEN2	YES	STRUCTURAL CONCRETE WALL - SMALL SCALE HIDDEN
S	WALL	CONC	HIDN	LSCL	90	HIDDEN2	YES	STRUCTURAL CONCRETE WALL - LARGE SCALE HIDDEN
S	WALL	CONC	HIDN		81	HIDDEN2	YES	STRUCTURAL CONCRETE WALL - HIDDEN
S	WALL	MSRY	____		81	CONTINUOUS	YES	STRUCTURAL MASONRY WALL LINEWORK, BRICK/BLOCK COURSING, ETC…
S	WALL	MSRY	____	SSCL	82	CONTINUOUS	YES	STRUCTURAL MASONRY WALL LINEWORK, BRICK/BLOCK COURSING, ETC… - SMALL SCALE
S	WALL	MSRY	____	LSCL	90	CONTINUOUS	YES	STRUCTURAL MASONRY WALL LINEWORK, BRICK/BLOCK COURSING, ETC… - HIDDEN SCALE
S	WALL	MSRY	HIDN	SSCL	82	HIDDEN2	YES	STRUCTURAL MASONRY WALL LINEWORK - SMALL SCALE HIDDEN
S	WALL	MSRY	HIDN	LSCL	90	HIDDEN2	YES	STRUCTURAL MASONRY WALL LINEWORK - LARGESCALE HIDDEN
S	WALL	MSRY	HIDN		81	HIDDEN2	YES	STRUCTURAL MASONRY WAL - HIDDEN
XREF								
S	XREF		____	____	7	CONTINUOUS	YES	STRUCTURAL EXTERNAL REFERENCE ATTACHMENT LAYER
S	XREF	RAST	____	____	7	CONTINUOUS	YES	STRUCTURAL IMAGE REFERENCE ATTACHMENT LAYER

6.22.2.2 Existing

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
S	____	____	____	EXST	254	CONTINUOUS	YES	
GENERAL								
S	GNRL	MISC	____	EXST	46	CONTINUOUS	YES	EXISTING GENERAL MISCELLANEOUS - LARGE SCALE HIDDEN
S	GNRL	MISC	HIDN	EXST	46	HIDDEN2	YES	EXISTING GENERAL MISCELLANEOUS - HIDDEN
ANNOTATION								
S	ANNO	LIM_	____	EXST	132	PHANTOM2	YES	STRUCTURAL GENERAL EQUIPMENT- CLIM
BEAM								
S	BEAM	CONC	____	EXST	132	CONTINUOUS	YES	EXISTING STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST
S	BEAM	CONC	HIDN	EXST	132	HIDDEN2	YES	EXISTING STRUCTURAL CONCRETE BEAMS, INCLUDING PRECAST - HIDDEN
S	BEAM	STL_	____	EXST	223	CONTINUOUS	YES	EXISTING STRUCTURAL STEEL BEAMS
S	BEAM	STL_	HIDN	EXST	223	HIDDEN2	YES	EXISTING STRUCTURAL BEAM STEAL - HIDDEN
S	BEAM	TMBR	____	EXST	46	CONTINUOUS	YES	EXISTING STRUCTURAL TIMBER BEAMS
S	BEAM	TMBR	HIDN	EXST	46	HIDDEN2	YES	EXISTING STRUCTURAL TIMBER BEAMS - HIDDEN
BRACE								
S	BRCE	STL_	____	EXST	180	CONTINUOUS	YES	EXISTING STRUCTURAL STEEL BRACING
S	BRCE	STL_	HIDN	EXST	180	HIDDEN2	YES	EXISTING STRUCTURAL STEEL BRACING HIDDEN
S	BRCE	TMBR	____	EXST	46	CONTINUOUS	YES	EXISTING STRUCTURAL TIMBER BRACING
COLUMNS								
S	COLS	CONC	____	EXST	132	CONTINUOUS	YES	EXISTING STRUCTURAL CONCRETE COLUMNS

S	COLS	CONC	HIDN	EXST	132	HIDDEN2	YES	EXISTING STRUCTURAL CONCRETE COLUMNS - HIDDEN
S	COLS	MSRY	____	EXST	53	CONTINUOUS	YES	EXISTING MASONRY COLUMN/PIER
S	COLS	MSRY	HIDN	EXST	53	HIDDEN2	YES	EXISTING STRUCTURAL MASONRY - HIDDEN
S	COLS	STL_	____	EXST	240	CONTINUOUS	YES	EXISTING STRUCTURAL STEEL COLUMN OR POST
S	COLS	STL_	HIDN	EXST	240	HIDDEN2	YES	EXISTING STRUCTURAL STEEL COLUMN OR POST - HIDDEN
S	COLS	TMBR	____	EXST	46	CONTINUOUS	YES	EXISTING STRUCTURAL TIMBER COLUMN
S	COLS	TMBR	HIDN	EXST	46	HIDDEN2	YES	EXISTING STRUCTURAL TIMBER - HIDDEN
COMPONENTS								
S	CMPT	CONC	____	EXST	132	CONTINUOUS	YES	EXISTING COMPONENT CONCRETE
S	CMPT	STL_	DECK	EXST	221	CONTINUOUS	YES	EXISTING COMPONENT STEEL
S	CMPT	STL_	STFN	EXST	221	CONTINUOUS	YES	EXISTING COMPONENT STEEL
S	CMPT	STL_	____	EXST	221	CONTINUOUS	YES	EXISTING COMPONENT STEEL
S	CMPT	STL_	ABLT	EXST	180	CONTINUOUS	YES	EXISTING COMPONENT STEEL
S	CMPT	TMBR	____	EXST	46	CONTINUOUS	YES	EXISTING COMPONENT TIMBER
FLOOR/SLAB								
S	SLAB	____	____	EXST	132	CONTINUOUS	YES	EXISTING STRUCTURAL FLOOR SLABS
S	SLAB	____	HIDN	EXST	132	HIDDEN2	YES	EXISTING STRUCTURAL FLOOR SLABS - HIDDEN
FOOTING								
S	FTNG	____	____	EXST	53	CONTINUOUS	YES	EXISTING STRUCTURAL FOUNDATION FOOTINGS
S	FTNG	____	HIDN	EXST	53	HIDDEN2	YES	EXISTING STRUCTURAL FOUNDATION FOOTINGS - HIDDEN
JOIST								
S	JOIS	____	____	EXST	46	CONTINUOUS	YES	EXISTING STRUCTURAL JOISTS
S	JOIS	____	HIDN	EXST	46	HIDDEN2	YES	EXISTING STRUCTURAL JOISTS - HIDDEN
PAVEMENT								
S	PAVM	ASPH	____	EXST	53	CONTINUOUS	YES	EXISTING ASPHALT PAVEMENT
S	PAVM	ASPH	HIDN	EXST	53	HIDDEN2	YES	EXISTING ASPHALT PAVEMENT HIDDEN
S	PAVM	CONC	____	EXST	132	CONTINUOUS	YES	EXISTING CONCRETE PAVEMENT
S	PAVM	CONC	HIDN	EXST	132	HIDDEN2	YES	EXISTING CONCRETE PAVEMENT HIDDEN
PILES								
S	PILE	CONC	____	EXST	132	CONTINUOUS	YES	EXISTING STRUCTURAL CONCRETE PILES
S	PILE	CONC	HIDN	EXST	132	HIDDEN2	YES	EXISTING STRUCTURAL CONCRETE PILES - HIDDEN
S	PILE	STL_	____	EXST	240	CONTINUOUS	YES	EXISTING STRUCTURAL STEEL PILES
S	PILE	STL_	HIDN	EXST	240	CONTINUOUS	YES	EXISTING STRUCTURAL STEEL PILES - HIDDEN
S	PILE	TMBR	____	EXST	46	CONTINUOUS	YES	EXISTING STRUCTURAL TIMBER PILES
S	PILE	TMBR	HIDN	EXST	46	HIDDEN2	YES	EXISTING STRUCTURAL TIMBER PILES - HIDDEN
REINFORCEMENT								
S	RENF	WWF_	____	EXST	180	WWF	YES	EXISTING STRUCTURAL WELDED WIRE FABRIC MESH
S	RENF	____	HIDN	EXST	180	HIDDEN2	YES	EXISTING STRUCTURAL MISCELLANEOUS REINFORCING ELEMENTS
S	RENF	____	____	EXST	180	CONTINUOUS	YES	EXISTING STRUCTURAL REINFORCING ELEMENTS
TRUSS								
S	TRUS	____	____	EXST	240	CONTINUOUS	YES	EXISTING STRUCTURAL TRUSSES AND SPACE FRAMES
S	TRUS	____	HIDN	EXST	240	HIDDEN2	YES	EXISTING STRUCTURAL TRUSSES AND SPACE FRAMES - HIDDEN
WALL								
S	WALL	CONC	____	EXST	132	CONTINUOUS	YES	EXISTING STRUCTURAL CONCRETE WALLS

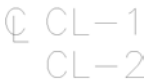
S	WALL	CONC	HIDN	EXST	132	HIDDEN2	YES	EXISTING STRUCTURAL CONCRETE WALL - HIDDEN
S	WALL	MSRY	____	EXST	53	CONTINUOUS	YES	EXISTING STRUCTURAL MASONRY WALL LINEWORK, BRICK/BLOCK COURSING, ETC…
S	WALL	MSRY	HIDN	EXST	53	HIDDEN2	YES	EXISTING STRUCTURAL MASONRY WAL - HIDDEN

6.22.3 Linetypes

Name	Description	Example
BORDER2	BORDER2	
CENTER	CENTER	
CENTER2	CENTER2	
Continuous	Continuous	
DASHED2	DASHED2	
HIDDEN	HIDDEN	
HIDDEN2	HIDDEN2	
PHANTOM2	PHANTOM2	
WWF	WWF	

6.22.4 Symbols

6.22.4.1 Miscellaneous

Symbol	Block Name	Layer Name	Description
	CALLOUT.dwg	(Varies)	Callout Symbol
	CLine.dwg	S-ANNO-SYMB	Center Line
	Col-Bubble1.dwg	S-GNRL-BUBL	Column Bubble
	Col-Bubble2.dwg	S-GNRL-BUBL	Column Bubble
	DET-SYMB.dwg	S-ANNO-SYMB	Detail Callout
	Legend1.dwg	S-ANNO-SYMB	Legend
	N_Arrow.dwg	S-ANNO-SYMB	North Arrow
	Plate.dwg	S-ANNO-SYMB	Plate
	Rev-Tr.dwg	(Varies)	Revision Tag
	Sec1.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to North
	Sec2.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to North
	Sec3.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to South

	Sec4.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to South
	Sec5.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to West
	Sec6.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to East
	Sec7.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to West
	Sec8.dwg	S-ANNO-SYMB	Section, Detail, Elevation Callout, View to East
	Sect-Mk_Detail.dwg	S-ANNO-SYMB	Section Mark Symbol
x x	Stamp1.dwg	S-ANNO-SYMB	Percent Complete/Date Stamp
SUBTITLE	Sub-Title.dwg	S-ANNO-SUBT	Sub-Title
TITLE	Title.dwg	S-ANNO-TITL	Title
DEPTH WF WEIGHT	WF.dwg	S-ANNO-SYMB	Wide Flange (Depth WF Weight)

6.23 Appendix H – Traffic Discipline

6.23.1 Content Preferences

This Section Currently Under Construction

6.23.2 Layer Stratagem

6.23.2.1 New Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
ANNOTATION								
T	ANNO	____			212	CONTINUOUS	YES	GENERIC ANNOTATION FEATURES
T	ANNO	DIMS			37	CONTINUOUS	YES	DIMENSIONS
T	ANNO	MLIN			13	CONTINUOUS	YES	MATCH LINES
T	ANNO	NPLT			7	CONTINUOUS	NO	NON PLOT FEATURES
T	ANNO	SYMB			110	CONTINUOUS	YES	GENERIC SYMBOLS
T	ANNO	TEXT			212	CONTINUOUS	YES	MISCELLANEOUS ANNOTATIONS AND CALLOUTS
T	ANNO	TTLB			110	CONTINUOUS	YES	TITLE BLOCK AND CONTRACT BORDER INFORMATION
T	ANNO	REVS	0001		80	CONTINUOUS	YES	REVISION CLOUD - PACC
T	ANNO	REVS	TEXT		212	CONTINUOUS	YES	REVISION DELTA AND TEXT IN DRAWING & CONTRACT BORDER
T	ANNO	VPRT			7	CONTINUOUS	NO	VIEWPORT
DEVICES								
T	DVCS	____			110	CONTINUOUS	YES	GENERIC DEVICE FEATURES
T	DVCS	ATTN			110	CONTINUOUS	YES	IMPACT ATTENUATOR
T	DVCS	BARR	WFB_		110	CONTINUOUS	YES	WATERFILLED BARRIERS
T	DVCS	BARR	CONC		110	CONTINUOUS	YES	CONCRETE BARRIERS
T	DVCS	BARR	TMBR		110	CONTINUOUS	YES	TIMBER BARRIERS
T	DVCS	DIMS			37	CONTINUOUS	YES	DEVICE DIMENSIONS
T	DVCS	DLIN			110	CONTINUOUS	YES	DELINEATOR
T	DVCS	FENC			110	CONTINUOUS	YES	FENCING
T	DVCS	GDRL	BOX_		110	GUIDEB	YES	BOX BEAM GUIDE RAIL
T	DVCS	GDRL	WBM_		110	GUIDEW	YES	W BEAM GUIDE RAIL
T	DVCS	GDRL	THRI		110	GUIDET	YES	THRIE BEAM GUIDE RAIL
T	DVCS	TEXT			212	CONTINUOUS	YES	DEVICE ANNOTATIONS
MARKINGS								
T	MARK	____			220	CONTINUOUS	YES	GENERIC PAVEMENT MARKINGS
T	MARK	HIDN			220	HIDDEN	YES	PAVEMENT MARKINGS OBSCURED BY OTHER OBJECTS
T	MARK	BLL_			220	BROKENLANE	YES	BROKEN LANE LINE - 15-25
T	MARK	DOT_			220	NJDOT	YES	NJ DOT - 10-30
T	MARK	NJTP			220	NJTPK	YES	NJ TURNPIKE LANE LINE - 30-10
T	MARK	DLLL			220	DOTTEDLANE4	YES	DOTTED LANE LINE - 2-4
T	MARK	DLLS			220	DOTTEDLANE2	YES	DOTTED LANE LINE - 2-2
T	MARK	DIMS			37	CONTINUOUS	YES	PAVEMENT MARKING DIMENSIONS
T	MARK	SYMB			220	CONTINUOUS	YES	MARKING SYMBOLS - DIRECTIONAL ARROWS
T	MARK	TEXT			212	CONTINUOUS	YES	MARKING ANNOTATIONS AND LEADERS
T	MARK	WORD			220	CONTINUOUS	YES	MARKING WORDS - STOP/MPH/ETC.
SIGNALS								
T	SGNL	____			110	CONTINUOUS	YES	GENERIC SIGNAL FEATURES
T	SGNL	ABVE			110	CONTINUOUS	YES	ABOVE GROUND SIGNAL EQUIPMENT
T	SGNL	COND			110	DASHED	YES	SIGNAL CONDUIT

T	SGNL	DIMS	POLE		37	CONTINUOUS	YES	SIGNAL POLE LOCATION DIMENSIONS
T	SGNL	DIMS	HEAD		37	CONTINUOUS	YES	SIGNAL HEAD DIMENSIONS
T	SGNL	JBOX			110	CONTINUOUS	YES	SIGNAL JUNCTION BOX
T	SGNL	LOOP			110	DASHED	YES	SIGNAL LOOP OR VIDEO ZONE
T	SGNL	TEXT			212	CONTINUOUS	YES	SIGNAL ANNOTATIONS
T	SGNL	TEXT	HEAD		212	CONTINUOUS	YES	SIGNAL HEAD ANNOTATIONS
SIGNS								
T	SIGN	____			110	CONTINUOUS	YES	SIGN PANELS
T	SIGN	DIMS			37	CONTINUOUS	YES	SIGN DIMENSIONS AND LEADERS
T	SIGN	SYMB			110	CONTINUOUS	YES	SIGN SYMBOLS
T	SIGN	TEXT			212	CONTINUOUS	YES	SIGN ANNOTATIONS AND CALLOUTS
PAVING								
T	PAVE	____			80	CONTINUOUS	YES	PAVING FEATURES
T	PAVE	ASPH			12	CONTINUOUS	YES	ASPHALT PAVEMENT
T	PAVE	BRDR	PATT		14	CONTINUOUS	YES	PAVEMENT HATCH BORDERS
T	PAVE	CONC			12	CONTINUOUS	YES	CONCRETE PAVEMENT
T	PAVE	CURB	BACK		1	CONTINUOUS	YES	BACK OF CURB
T	PAVE	CURB	FACE		131	CONTINUOUS	YES	FACE OF CURB
T	PAVE	DIMS			37	CONTINUOUS	YES	PAVEMENT DIMENSIONS
T	PAVE	GRAV			12	CONTINUOUS	YES	GRAVEL PAVEMENT
T	PAVE	JBAR			220	CONTINUOUS	YES	JERSEY BARRIERS
T	PAVE	JNTS			220	CONTINUOUS	YES	EXPANSION JOINTS
T	PAVE	LIMT			13	DASHED	YES	PAVING LIMITS
SITE PLANS								
T	SITE				80	CONTINUOUS	YES	SITE FEATURES
T	SITE	ABUT			131	CONTINUOUS	YES	BRIDGE ABUTMENTS
T	SITE	ABVE			250	CONTINUOUS	YES	SITE ELEMENTS OVERHEAD
T	SITE	BLDG	TEXT		212	CONTINUOUS	YES	BUILDING AND SHED ANNOTATIONS
T	SITE	BLDG			131	CONTINUOUS	YES	BUILDING AND SHED FEATURES
T	SITE	COLS			191	CONTINUOUS	YES	COLUMNS, PIERS AND POSTS
T	SITE	FNCE			131	FENCE	YES	FENCE LINES
T	SITE	FNDN			131	CONTINUOUS	YES	FOUNDATIONS
T	SITE	LAND			131	CONTINUOUS	YES	LANDSCAPE FEATURES
T	SITE	SWLK			80	CONTINUOUS	YES	SIDEWALK
T	SITE	TEXT			212	CONTINUOUS	YES	SITEWORK TEXT
T	SITE	WALL			131	CONTINUOUS	YES	WALLS
XREFS								
T	XREF				7	CONTINUOUS	YES	EXTERNAL REFERENCE DRAWINGS
T	XREF	RAST			7	CONTINUOUS	YES	RASTER IMAGES

6.23.2.2 Existing

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
T	____	____	____	EXST	253	CONTINUOUS	YES	
ANNOTATION								
T	ANNO	DIMS	____	EXST	37	CONTINUOUS	YES	EXISTING DIMENSIONS
T	ANNO	TEXT	____	EXST	212	CONTINUOUS	YES	EXISTING MISCELLANEOUS ANNOTATIONS AND CALLOUTS
DEVICES								
T	DVCS	DIMS	____	EXST	37	CONTINUOUS	YES	EXISTING DEVICE DIMENSIONS
MARKINGS								
T	MARK	HIDN	____	EXST	253	HIDDEN	YES	EXISTING PAVEMENT MARKINGS OBSCURED BY OTHER OBJECTS
T	MARK	BLL_	____	EXST	253	BROKENLANE	YES	EXISTING BROKEN LANE LINE - 15-25
T	MARK	DOT_	____	EXST	253	NJDOT	YES	EXISTING NJ DOT - 10-30
T	MARK	NJTP	____	EXST	253	NJTPK	YES	EXISTING NJ TURNPIKE LANE LINE - 30-10
T	MARK	DLLL	____	EXST	253	DOTTEDLANE4	YES	EXISTING DOTTED LANE LINE - 2-4
T	MARK	DLLS	____	EXST	253	DOTTEDLANE2	YES	EXISTING DOTTED LANE LINE - 2-2
T	MARK	DIMS	____	EXST	37	CONTINUOUS	YES	EXISTING PAVEMENT MARKING DIMENSIONS
SIGNALS								
T	SGNL	COND	____	EXST	253	DASHED	YES	EXISTING SIGNAL CONDUIT
T	SGNL	DIMS	POLE	EXST	37	CONTINUOUS	YES	EXISTING SIGNAL POLE LOCATION DIMENSIONS
T	SGNL	DIMS	HEAD	EXST	37	CONTINUOUS	YES	EXISTING SIGNAL HEAD DIMENSIONS
T	SGNL	LOOP	____	EXST	253	DASHED	YES	EXISTING SIGNAL LOOP OR VIDEO ZONE
SIGNS								
T	SIGN	DIMS	____	EXST	37	CONTINUOUS	YES	EXISTING SIGN DIMENSIONS AND LEADERS
PAVING								
T	PAVE	DIMS	____	EXST	37	CONTINUOUS	YES	EXISTING PAVEMENT DIMENSIONS
T	PAVE	LIMT	____	EXST	253	DASHED	YES	EXISTING PAVING LIMITS
SITE PLANS								
T	SITE	FNCE	____	EXST	253	FENCE	YES	EXISTING FENCE LINES

6.23.2.3 Future Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
T	____	____	____	FUTR	220	CONTINUOUS	YES	
ANNOTATION								
T	ANNO	DIMS	____	FUTR	37	CONTINUOUS	YES	FUTURE DIMENSIONS

T	ANNO	TEXT	____	FUTR	212	CONTINUOUS	YES	FUTURE MISCELLANEOUS ANNOTATIONS AND CALLOUTS
DEVICES								
T	DVCS	____	____	FUTR	110	CONTINUOUS	YES	FUTURE GENERIC DEVICE FEATURES
T	DVCS	ATTN	____	FUTR	110	CONTINUOUS	YES	FUTURE IMPACT ATTENUATOR
T	DVCS	BARR	WFB_	FUTR	110	CONTINUOUS	YES	FUTURE WATERFILLED BARRIERS
T	DVCS	BARR	CONC	FUTR	110	CONTINUOUS	YES	FUTURE CONCRETE BARRIERS
T	DVCS	BARR	TMBR	FUTR	110	CONTINUOUS	YES	FUTURE TIMBER BARRIERS
T	DVCS	DIMS	____	FUTR	37	CONTINUOUS	YES	FUTURE DEVICE DIMENSIONS
T	DVCS	DLIN	____	FUTR	110	CONTINUOUS	YES	FUTURE DELINEATOR
T	DVCS	FENC	____	FUTR	110	CONTINUOUS	YES	FUTURE FENCING
T	DVCS	GDRL	BOX_	FUTR	110	GUIDEB	YES	FUTURE BOX BEAM GUIDE RAIL
T	DVCS	GDRL	WBM_	FUTR	110	GUIDEW	YES	FUTURE W BEAM GUIDE RAIL
T	DVCS	GDRL	THRI	FUTR	110	GUIDET	YES	FUTURE THRIE BEAM GUIDE RAIL
T	DVCS	TEXT	____	FUTR	212	CONTINUOUS	YES	FUTURE DEVICE ANNOTATIONS
MARKINGS								
T	MARK	HIDN	____	FUTR	220	HIDDEN	YES	FUTURE PAVEMENT MARKINGS OBSCURED BY OTHER OBJECTS
T	MARK	BLL_	____	FUTR	220	BROKENLANE	YES	FUTURE BROKEN LANE LINE - 15-25
T	MARK	DOT_	____	FUTR	220	NJDOT	YES	FUTURE NJ DOT - 10-30
T	MARK	NJTP	____	FUTR	220	NJTPK	YES	FUTURE NJ TURNPIKE LANE LINE - 30-10
T	MARK	DLLL	____	FUTR	220	DOTTEDLANE4	YES	FUTURE DOTTED LANE LINE - 2-4
T	MARK	DLLS	____	FUTR	220	DOTTEDLANE2	YES	FUTURE DOTTED LANE LINE - 2-2
T	MARK	DIMS	____	FUTR	37	CONTINUOUS	YES	FUTURE PAVEMENT MARKING DIMENSIONS
T	MARK	TEXT	____	FUTR	212	CONTINUOUS	YES	FUTURE MARKING ANNOTATIONS AND LEADERS
SIGNALS								
T	SGNL	____	____	FUTR	110	CONTINUOUS	YES	FUTURE GENERIC SIGNAL FEATURES
T	SGNL	ABVE	____	FUTR	110	CONTINUOUS	YES	FUTURE ABOVE GROUND SIGNAL EQUIPMENT
T	SGNL	COND	____	FUTR	110	DASHED	YES	FUTURE SIGNAL CONDUIT
T	SGNL	DIMS	POLE	FUTR	37	CONTINUOUS	YES	FUTURE SIGNAL POLE LOCATION DIMENSIONS
T	SGNL	DIMS	HEAD	FUTR	37	CONTINUOUS	YES	FUTURE SIGNAL HEAD DIMENSIONS
T	SGNL	JBOX	____	FUTR	110	CONTINUOUS	YES	FUTURE SIGNAL JUNCTION BOX
T	SGNL	LOOP	____	FUTR	110	DASHED	YES	FUTURE SIGNAL LOOP OR VIDEO ZONE
T	SGNL	TEXT	____	FUTR	212	CONTINUOUS	YES	FUTURE SIGNAL ANNOTATIONS
T	SGNL	TEXT	HEAD	FUTR	212	CONTINUOUS	YES	FUTURE SIGNAL HEAD ANNOTATIONS
SIGNS								
T	SIGN	____	____	FUTR	110	CONTINUOUS	YES	FUTURE SIGN PANELS
T	SIGN	DIMS	____	FUTR	37	CONTINUOUS	YES	FUTURE SIGN DIMENSIONS AND LEADERS
T	SIGN	SYMB	____	FUTR	110	CONTINUOUS	YES	FUTURE SIGN SYMBOLS
T	SIGN	TEXT	____	FUTR	212	CONTINUOUS	YES	FUTURE SIGN ANNOTATIONS AND CALLOUTS
PAVING								
T	PAVE	____	____	FUTR	80	CONTINUOUS	YES	FUTURE PAVING FEATURES
T	PAVE	ASPH	____	FUTR	12	CONTINUOUS	YES	FUTURE ASPHALT PAVEMENT
T	PAVE	BRDR	PATT	FUTR	14	CONTINUOUS	YES	FUTURE PAVEMENT HATCH BORDERS
T	PAVE	CONC	____	FUTR	12	CONTINUOUS	YES	FUTURE CONCRETE PAVEMENT
T	PAVE	CURB	BACK	FUTR	1	CONTINUOUS	YES	FUTURE BACK OF CURB
T	PAVE	CURB	FACE	FUTR	131	CONTINUOUS	YES	FUTURE FACE OF CURB
T	PAVE	DIMS	____	FUTR	37	CONTINUOUS	YES	FUTURE PAVEMENT DIMENSIONS
T	PAVE	GRAV	____	FUTR	12	CONTINUOUS	YES	FUTURE GRAVEL PAVEMENT
T	PAVE	LIMT	____	FUTR	13	DASHED	YES	FUTURE PAVING LIMITS

SITE PLANS								
T	SITE	____	____	FUTR	80	CONTINUOUS	YES	FUTURE SITE FEATURES
T	SITE	ABUT	____	FUTR	131	CONTINUOUS	YES	FUTURE BRIDGE ABUTMENTS
T	SITE	ABVE	____	FUTR	250	CONTINUOUS	YES	FUTURE SITE ELEMENTS OVERHEAD
T	SITE	BLDG	TEXT	FUTR	212	CONTINUOUS	YES	FUTURE BUILDING AND SHED ANNOTATIONS
T	SITE	BLDG	____	FUTR	131	CONTINUOUS	YES	FUTURE BUILDING AND SHED FEATURES
T	SITE	COLS	____	FUTR	191	CONTINUOUS	YES	FUTURE COLUMNS, PIERS AND POSTS
T	SITE	FNCE	____	FUTR	131	FENCE	YES	FUTURE FENCE LINES
T	SITE	FNDN	____	FUTR	131	CONTINUOUS	YES	FUTURE FOUNDATIONS
T	SITE	LAND	____	FUTR	131	CONTINUOUS	YES	FUTURE LANDSCAPE FEATURES
T	SITE	SWLK	____	FUTR	80	CONTINUOUS	YES	FUTURE SIDEWALK
T	SITE	TEXT	____	FUTR	212	CONTINUOUS	YES	FUTURE SITEWORK TEXT
T	SITE	WALL	____	FUTR	131	CONTINUOUS	YES	FUTURE WALLS

6.23.2.4 Maintenance of Traffic Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
T	____	____	____	MPT_	110	CONTINUOUS	YES	
ANNOTATION								
T	ANNO	DIMS	____	MPT_	37	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS DIMENSIONS
T	ANNO	TEXT	____	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS MISCELLANEOUS ANNOTATIONS AND CALLOUTS
DEVICES								
T	DVCS	DIMS	____	MPT_	37	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS DEVICE DIMENSIONS
T	DVCS	GDRL	BOX_	MPT_	110	GUIDEB	YES	MAINTAINANCE OF TRAFFIC PATTERNS BOX BEAM GUIDE RAIL
T	DVCS	GDRL	WBM_	MPT_	110	GUIDEW	YES	MAINTAINANCE OF TRAFFIC PATTERNS W BEAM GUIDE RAIL
T	DVCS	GDRL	THRI	MPT_	110	GUIDET	YES	MAINTAINANCE OF TRAFFIC PATTERNS THRIE BEAM GUIDE RAIL
T	DVCS	TEXT	____	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS DEVICE ANNOTATIONS
MARKINGS								
T	MARK	____	____	MPT_	220	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS GENERIC PAVEMENT MARKINGS
T	MARK	HIDN	____	MPT_	220	HIDDEN	YES	MAINTAINANCE OF TRAFFIC PATTERNS PAVEMENT MARKINGS OBSCURED BY OTHER OBJECTS
T	MARK	BLL_	____	MPT_	220	BROKENLANE	YES	MAINTAINANCE OF TRAFFIC PATTERNS BROKEN LANE LINE - 15-25
T	MARK	DOT_	____	MPT_	220	NJDOT	YES	MAINTAINANCE OF TRAFFIC PATTERNS NJ DOT - 10-30
T	MARK	NJTP	____	MPT_	220	NJTPK	YES	MAINTAINANCE OF TRAFFIC PATTERNS NJ TURNPIKE LANE LINE - 30-10
T	MARK	DLLL	____	MPT_	220	DOTTEDLANE4	YES	MAINTAINANCE OF TRAFFIC PATTERNS DOTTED LANE LINE - 2-4
T	MARK	DLLS	____	MPT_	220	DOTTEDLANE2	YES	MAINTAINANCE OF TRAFFIC PATTERNS DOTTED LANE LINE - 2-2
T	MARK	DIMS	____	MPT_	37	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS PAVEMENT MARKING DIMENSIONS
T	MARK	SYMB	____	MPT_	220	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS MARKING SYMBOLS - DIRECTIONAL ARROWS

T	MARK	TEXT	____	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS MARKING ANNOTATIONS AND LEADERS
T	MARK	WORD	____	MPT_	220	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS MARKING WORDS - STOP/MPH/ETC.
SIGNALS								
T	SGNL	COND	____	MPT_	110	DASHED	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGNAL CONDUIT
T	SGNL	DIMS	POLE	MPT_	37	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGNAL POLE LOCATION DIMENSIONS
T	SGNL	DIMS	HEAD	MPT_	37	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGNAL HEAD DIMENSIONS
T	SGNL	LOOP	____	MPT_	110	DASHED	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGNAL LOOP OR VIDEO ZONE
T	SGNL	TEXT	____	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGNAL ANNOTATIONS
T	SGNL	TEXT	HEAD	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGNAL HEAD ANNOTATIONS
SIGNS								
T	SIGN	DIMS	____	MPT_	37	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGN DIMENSIONS AND LEADERS
T	SIGN	TEXT	____	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIGN ANNOTATIONS AND CALLOUTS
PAVING								
T	PAVE	____	____	MPT_	80	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS PAVING FEATURES
T	PAVE	ASPH	____	MPT_	12	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS ASPHALT PAVEMENT
T	PAVE	BRDR	PATT	MPT_	14	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS PAVEMENT HATCH BORDERS
T	PAVE	CONC	____	MPT_	12	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS CONCRETE PAVEMENT
T	PAVE	CURB	BACK	MPT_	1	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS BACK OF CURB
T	PAVE	CURB	FACE	MPT_	131	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS FACE OF CURB
T	PAVE	DIMS	____	MPT_	37	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS PAVEMENT DIMENSIONS
T	PAVE	GRAV	____	MPT_	12	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS GRAVEL PAVEMENT
T	PAVE	JBAR	____	MPT_	220	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS JERSEY BARRIERS
T	PAVE	JNTS	____	MPT_	220	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS EXPANSION JOINTS
T	PAVE	LIMT	____	MPT_	13	DASHED	YES	MAINTAINANCE OF TRAFFIC PATTERNS PAVING LIMITS
SITE PLANS								
T	SITE	____	____	MPT_	80	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SITE FEATURES
T	SITE	ABUT	____	MPT_	131	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS BRIDGE ABUTMENTS
T	SITE	ABVE	____	MPT_	250	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SITE ELEMENTS OVERHEAD
T	SITE	BLDG	TEXT	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS BUILDING AND SHED ANNOTATIONS
T	SITE	BLDG	____	MPT_	131	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS BUILDING AND SHED FEATURES
T	SITE	COLS	____	MPT_	191	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS COLUMNS, PIERS AND POSTS
T	SITE	FNCE	____	MPT_	131	FENCE	YES	MAINTAINANCE OF TRAFFIC PATTERNS FENCE LINES
T	SITE	FNDN	____	MPT_	131	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS FOUNDATIONS
T	SITE	LAND	____	MPT_	131	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS LANDSCAPE FEATURES
T	SITE	SWLK	____	MPT_	80	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SIDEWALK
T	SITE	TEXT	____	MPT_	212	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS SITEWORK TEXT

T	SITE	WALL	____	MPT_	131	CONTINUOUS	YES	MAINTAINANCE OF TRAFFIC PATTERNS WALLS

6.23.2.5 Relocated Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
T	____	____	____	RELO	110	CONTINUOUS	YES	
ANNOTATION								
T	ANNO	DIMS	____	RELO	37	CONTINUOUS	YES	RELOCATED DIMENSIONS
T	ANNO	TEXT	____	RELO	212	CONTINUOUS	YES	RELOCATED MISCELLANEOUS ANNOTATIONS AND CALLOUTS
DEVICES								
T	DVCS	DIMS	____	RELO	37	CONTINUOUS	YES	RELOCATED DEVICE DIMENSIONS
T	DVCS	GDRL	BOX_	RELO	110	GUIDEB	YES	RELOCATED BOX BEAM GUIDE RAIL
T	DVCS	GDRL	WBM_	RELO	110	GUIDEW	YES	RELOCATED W BEAM GUIDE RAIL
T	DVCS	GDRL	THRI	RELO	110	GUIDET	YES	RELOCATED THRIE BEAM GUIDE RAIL
T	DVCS	TEXT	____	RELO	212	CONTINUOUS	YES	RELOCATED DEVICE ANNOTATIONS
MARKINGS								
T	MARK	____	____	RELO	220	CONTINUOUS	YES	RELOCATED GENERIC PAVEMENT MARKINGS
T	MARK	HIDN	____	RELO	220	HIDDEN	YES	RELOCATED PAVEMENT MARKINGS OBSCURED BY OTHER OBJECTS
T	MARK	BLL_	____	RELO	220	BROKENLANE	YES	RELOCATED BROKEN LANE LINE - 15-25
T	MARK	DOT_	____	RELO	220	NJDOT	YES	RELOCATED NJ DOT - 10-30
T	MARK	NJTP	____	RELO	220	NJTPK	YES	RELOCATED NJ TURNPIKE LANE LINE - 30-10
T	MARK	DLLL	____	RELO	220	DOTTEDLANE4	YES	RELOCATED DOTTED LANE LINE - 2-4
T	MARK	DLLS	____	RELO	220	DOTTEDLANE2	YES	RELOCATED DOTTED LANE LINE - 2-2
T	MARK	DIMS	____	RELO	37	CONTINUOUS	YES	RELOCATED PAVEMENT MARKING DIMENSIONS
T	MARK	SYMB	____	RELO	220	CONTINUOUS	YES	RELOCATED MARKING SYMBOLS - DIRECTIONAL ARROWS
T	MARK	TEXT	____	RELO	212	CONTINUOUS	YES	RELOCATED MARKING ANNOTATIONS AND LEADERS
T	MARK	WORD	____	RELO	220	CONTINUOUS	YES	RELOCATED MARKING WORDS - STOP/MPH/ETC.
SIGNALS								
T	SGNL	COND	____	RELO	110	DASHED	YES	RELOCATED SIGNAL CONDUIT
T	SGNL	DIMS	POLE	RELO	37	CONTINUOUS	YES	RELOCATED SIGNAL POLE LOCATION DIMENSIONS
T	SGNL	DIMS	HEAD	RELO	37	CONTINUOUS	YES	RELOCATED SIGNAL HEAD DIMENSIONS
T	SGNL	LOOP	____	RELO	110	DASHED	YES	RELOCATED SIGNAL LOOP OR VIDEO ZONE
T	SGNL	TEXT	____	RELO	212	CONTINUOUS	YES	RELOCATED SIGNAL ANNOTATIONS
T	SGNL	TEXT	HEAD	RELO	212	CONTINUOUS	YES	RELOCATED SIGNAL HEAD ANNOTATIONS
SIGNS								
T	SIGN	DIMS	____	RELO	37	CONTINUOUS	YES	RELOCATED SIGN DIMENSIONS AND LEADERS
T	SIGN	TEXT	____	RELO	212	CONTINUOUS	YES	RELOCATED SIGN ANNOTATIONS AND CALLOUTS
PAVING								
T	PAVE	____	____	RELO	80	CONTINUOUS	YES	RELOCATED PAVING FEATURES
T	PAVE	ASPH	____	RELO	12	CONTINUOUS	YES	RELOCATED ASPHALT PAVEMENT
T	PAVE	BRDR	PATT	RELO	14	CONTINUOUS	YES	RELOCATED PAVEMENT HATCH BORDERS
T	PAVE	CONC	____	RELO	12	CONTINUOUS	YES	RELOCATED CONCRETE PAVEMENT

T	PAVE	CURB	BACK	RELO	1	CONTINUOUS	YES	RELOCATED BACK OF CURB
T	PAVE	CURB	FACE	RELO	131	CONTINUOUS	YES	RELOCATED FACE OF CURB
T	PAVE	DIMS	____	RELO	37	CONTINUOUS	YES	RELOCATED PAVEMENT DIMENSIONS
T	PAVE	GRAV	____	RELO	12	CONTINUOUS	YES	RELOCATED GRAVEL PAVEMENT
T	PAVE	JBAR	____	RELO	220	CONTINUOUS	YES	RELOCATED JERSEY BARRIERS
T	PAVE	JNTS	____	RELO	220	CONTINUOUS	YES	RELOCATED EXPANSION JOINTS
T	PAVE	LIMT	____	RELO	13	DASHED	YES	RELOCATED PAVING LIMITS
SITE PLANS								
T	SITE	____	____	RELO	80	CONTINUOUS	YES	RELOCATED SITE FEATURES
T	SITE	ABUT	____	RELO	131	CONTINUOUS	YES	RELOCATED BRIDGE ABUTMENTS
T	SITE	ABVE	____	RELO	250	CONTINUOUS	YES	RELOCATED SITE ELEMENTS OVERHEAD
T	SITE	BLDG	TEXT	RELO	212	CONTINUOUS	YES	RELOCATED BUILDING AND SHED ANNOTATIONS
T	SITE	BLDG	____	RELO	131	CONTINUOUS	YES	RELOCATED BUILDING AND SHED FEATURES
T	SITE	COLS	____	RELO	191	CONTINUOUS	YES	RELOCATED COLUMNS, PIERS AND POSTS
T	SITE	FNCE	____	RELO	131	FENCE	YES	RELOCATED FENCE LINES
T	SITE	FNDN	____	RELO	131	CONTINUOUS	YES	RELOCATED FOUNDATIONS
T	SITE	LAND	____	RELO	131	CONTINUOUS	YES	RELOCATED LANDSCAPE FEATURES
T	SITE	SWLK	____	RELO	80	CONTINUOUS	YES	RELOCATED SIDEWALK
T	SITE	TEXT	____	RELO	212	CONTINUOUS	YES	RELOCATED SITEWORK TEXT
T	SITE	WALL	____	RELO	131	CONTINUOUS	YES	RELOCATED WALLS

6.23.2.6 Removal Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
T	____	____	____	RMVL	21	HIDDEN2	YES	
ANNOTATION								
T	ANNO	DIMS	____	RMVL	37	CONTINUOUS	YES	REMOVAL OF DIMENSIONS
T	ANNO	TEXT	____	RMVL	212	CONTINUOUS	YES	REMOVAL OF MISCELLANEOUS ANNOTATIONS AND CALLOUTS
DEVICES								
T	DVCS	DIMS	____	RMVL	37	CONTINUOUS	YES	REMOVAL OF DEVICE DIMENSIONS
T	DVCS	TEXT	____	RMVL	212	CONTINUOUS	YES	REMOVAL OF DEVICE ANNOTATIONS
MARKINGS								
T	MARK	____	____	RMVL	50	CONTINUOUS	YES	REMOVAL OF GENERIC PAVEMENT MARKINGS
T	MARK	HIDN	____	RMVL	50	HIDDEN	YES	REMOVAL OF PAVEMENT MARKINGS OBSCURED BY OTHER OBJECTS
T	MARK	BLL_	____	RMVL	50	BROKENLANE	YES	REMOVAL OF BROKEN LANE LINE - 15-25
T	MARK	DOT_	____	RMVL	50	NJDOT	YES	REMOVAL OF NJ DOT - 10-30
T	MARK	NJTP	____	RMVL	50	NJTPK	YES	REMOVAL OF NJ TURNPIKE LANE LINE - 30-10
T	MARK	DLLL	____	RMVL	50	DOTTEDLANE4	YES	REMOVAL OF DOTTED LANE LINE - 2-4
T	MARK	DLLS	____	RMVL	50	DOTTEDLANE2	YES	REMOVAL OF DOTTED LANE LINE - 2-2
T	MARK	DIMS	____	RMVL	37	CONTINUOUS	YES	REMOVAL OF PAVEMENT MARKING DIMENSIONS
T	MARK	SYMB	____	RMVL	50	CONTINUOUS	YES	REMOVAL OF MARKING SYMBOLS - DIRECTIONAL ARROWS

T	MARK	TEXT	____	RMVL	212	CONTINUOUS	YES	REMOVAL OF MARKING ANNOTATIONS AND LEADERS
T	MARK	WORD	____	RMVL	50	CONTINUOUS	YES	REMOVAL OF MARKING WORDS - STOP/MPH/ETC.
SIGNALS								
T	SGNL	ABVE	____	RMVL	21	CONTINUOUS	YES	REMOVAL OF ABOVE GROUND SIGNAL EQUIPMENT
T	SGNL	DIMS	POLE	RMVL	37	CONTINUOUS	YES	REMOVAL OF SIGNAL POLE LOCATION DIMENSIONS
T	SGNL	DIMS	HEAD	RMVL	37	CONTINUOUS	YES	REMOVAL OF SIGNAL HEAD DIMENSIONS
T	SGNL	TEXT	____	RMVL	212	CONTINUOUS	YES	REMOVAL OF SIGNAL ANNOTATIONS
T	SGNL	TEXT	HEAD	RMVL	212	CONTINUOUS	YES	REMOVAL OF SIGNAL HEAD ANNOTATIONS
SIGNS								
T	SIGN	DIMS	____	RMVL	37	CONTINUOUS	YES	REMOVAL OF SIGN DIMENSIONS AND LEADERS
T	SIGN	TEXT	____	RMVL	212	CONTINUOUS	YES	REMOVAL OF SIGN ANNOTATIONS AND CALLOUTS
PAVING								
T	PAVE	____	____	RMVL	54	CONTINUOUS	YES	REMOVAL OF PAVING FEATURES
T	PAVE	ASPH	____	RMVL	148	HIDDEN2	YES	REMOVAL OF ASPHALT PAVEMENT
T	PAVE	BRDR	PATT	RMVL	143	CONTINUOUS	YES	REMOVAL OF PAVEMENT HATCH BORDERS
T	PAVE	CONC	____	RMVL	148	HIDDEN2	YES	REMOVAL OF CONCRETE PAVEMENT
T	PAVE	CURB	BACK	RMVL	148	HIDDEN2	YES	REMOVAL OF BACK OF CURB
T	PAVE	CURB	FACE	RMVL	31	HIDDEN2	YES	REMOVAL OF FACE OF CURB
T	PAVE	DIMS	____	RMVL	37	CONTINUOUS	YES	REMOVAL OF PAVEMENT DIMENSIONS
T	PAVE	GRAV	____	RMVL	148	HIDDEN2	YES	REMOVAL OF GRAVEL PAVEMENT
T	PAVE	JBAR	____	RMVL	50	HIDDEN2	YES	REMOVAL OF JERSEY BARRIERS
T	PAVE	JNTS	____	RMVL	50	HIDDEN2	YES	REMOVAL OF EXPANSION JOINTS
T	PAVE	LIMT	____	RMVL	150	DASHED	YES	REMOVAL OF PAVING LIMITS
SITE PLANS								
T	SITE	____	____	RMVL	54	HIDDEN2	YES	REMOVAL OF SITE FEATURES
T	SITE	ABUT	____	RMVL	31	HIDDEN2	YES	REMOVAL OF BRIDGE ABUTMENTS
T	SITE	ABVE	____	RMVL	250	CONTINUOUS	YES	REMOVAL OF SITE ELEMENTS OVERHEAD
T	SITE	BLDG	TEXT	RMVL	212	CONTINUOUS	YES	REMOVAL OF BUILDING AND SHED ANNOTATIONS
T	SITE	BLDG	____	RMVL	31	HIDDEN2	YES	REMOVAL OF BUILDING AND SHED FEATURES
T	SITE	COLS	____	RMVL	2	HIDDEN2	YES	REMOVAL OF COLUMNS, PIERS AND POSTS
T	SITE	FNCE	____	RMVL	31	FENCE	YES	REMOVAL OF FENCE LINES
T	SITE	FNDN	____	RMVL	31	HIDDEN2	YES	REMOVAL OF FOUNDATIONS
T	SITE	LAND	____	RMVL	31	HIDDEN2	YES	REMOVAL OF LANDSCAPE FEATURES
T	SITE	SWLK	____	RMVL	54	HIDDEN2	YES	REMOVAL OF SIDEWALK
T	SITE	TEXT	____	RMVL	212	CONTINUOUS	YES	REMOVAL OF SITEWORK TEXT
T	SITE	WALL	____	RMVL	31	HIDDEN2	YES	REMOVAL OF WALLS

6.23.2.7 Temporary Work

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
DEFAULT MAINTENANCE OF TRAFFIC LAYER PROPERTIES (UNLESS OTHERWISE NOTED BELOW)								
T	____	____	____	TEMP	110	CONTINUOUS	YES	
ANNOTATION								

T	ANNO	DIMS	____	TEMP	37	CONTINUOUS	YES	TEMPORARY DIMENSIONS
T	ANNO	TEXT	____	TEMP	212	CONTINUOUS	YES	TEMPORARY MISCELLANEOUS ANNOTATIONS AND CALLOUTS
DEVICES								
T	DVCS	DIMS	____	TEMP	37	CONTINUOUS	YES	TEMPORARY DEVICE DIMENSIONS
T	DVCS	GDRL	BOX_	TEMP	110	GUIDEB	YES	TEMPORARY BOX BEAM GUIDE RAIL
T	DVCS	GDRL	WBM_	TEMP	110	GUIDEW	YES	TEMPORARY W BEAM GUIDE RAIL
T	DVCS	GDRL	THRI	TEMP	110	GUIDET	YES	TEMPORARY THRIE BEAM GUIDE RAIL
T	DVCS	TEXT	____	TEMP	212	CONTINUOUS	YES	TEMPORARY DEVICE ANNOTATIONS
MARKINGS								
T	MARK	____	____	TEMP	220	CONTINUOUS	YES	TEMPORARY GENERIC PAVEMENT MARKINGS
T	MARK	HIDN	____	TEMP	220	HIDDEN	YES	TEMPORARY PAVEMENT MARKINGS OBSCURED BY OTHER OBJECTS
T	MARK	BLL_	____	TEMP	220	BROKENLANE	YES	TEMPORARY BROKEN LANE LINE - 15-25
T	MARK	DOT_	____	TEMP	220	NJDOT	YES	TEMPORARY NJ DOT - 10-30
T	MARK	NJTP	____	TEMP	220	NJTPK	YES	TEMPORARY NJ TURNPIKE LANE LINE - 30-10
T	MARK	DLLL	____	TEMP	220	DOTTEDLANE4	YES	TEMPORARY DOTTED LANE LINE - 2-4
T	MARK	DLLS	____	TEMP	220	DOTTEDLANE2	YES	TEMPORARY DOTTED LANE LINE - 2-2
T	MARK	DIMS	____	TEMP	37	CONTINUOUS	YES	TEMPORARY PAVEMENT MARKING DIMENSIONS
T	MARK	SYMB	____	TEMP	220	CONTINUOUS	YES	TEMPORARY MARKING SYMBOLS - DIRECTIONAL ARROWS
T	MARK	TEXT	____	TEMP	212	CONTINUOUS	YES	TEMPORARY MARKING ANNOTATIONS AND LEADERS
T	MARK	WORD	____	TEMP	220	CONTINUOUS	YES	TEMPORARY MARKING WORDS - STOP/MPH/ETC.
SIGNALS								
T	SGNL	COND	____	TEMP	110	DASHED	YES	TEMPORARY SIGNAL CONDUIT
T	SGNL	DIMS	POLE	TEMP	37	CONTINUOUS	YES	TEMPORARY SIGNAL POLE LOCATION DIMENSIONS
T	SGNL	DIMS	HEAD	TEMP	37	CONTINUOUS	YES	TEMPORARY SIGNAL HEAD DIMENSIONS
T	SGNL	LOOP	____	TEMP	110	DASHED	YES	TEMPORARY SIGNAL LOOP OR VIDEO ZONE
T	SGNL	TEXT	____	TEMP	212	CONTINUOUS	YES	TEMPORARY SIGNAL ANNOTATIONS
T	SGNL	TEXT	HEAD	TEMP	212	CONTINUOUS	YES	TEMPORARY SIGNAL HEAD ANNOTATIONS
SIGNS								
T	SIGN	DIMS	____	TEMP	37	CONTINUOUS	YES	TEMPORARY SIGN DIMENSIONS AND LEADERS
T	SIGN	TEXT	____	TEMP	212	CONTINUOUS	YES	TEMPORARY SIGN ANNOTATIONS AND CALLOUTS
PAVING								
T	PAVE	____	____	TEMP	80	CONTINUOUS	YES	TEMPORARY PAVING FEATURES
T	PAVE	ASPH	____	TEMP	12	CONTINUOUS	YES	TEMPORARY ASPHALT PAVEMENT
T	PAVE	BRDR	PATT	TEMP	14	CONTINUOUS	YES	TEMPORARY PAVEMENT HATCH BORDERS
T	PAVE	CONC	____	TEMP	12	CONTINUOUS	YES	TEMPORARY CONCRETE PAVEMENT
T	PAVE	CURB	BACK	TEMP	1	CONTINUOUS	YES	TEMPORARY BACK OF CURB
T	PAVE	CURB	FACE	TEMP	131	CONTINUOUS	YES	TEMPORARY FACE OF CURB
T	PAVE	DIMS	____	TEMP	37	CONTINUOUS	YES	TEMPORARY PAVEMENT DIMENSIONS
T	PAVE	GRAV	____	TEMP	12	CONTINUOUS	YES	TEMPORARY GRAVEL PAVEMENT
T	PAVE	JBAR	____	TEMP	220	CONTINUOUS	YES	TEMPORARY JERSEY BARRIERS
T	PAVE	JNTS	____	TEMP	220	CONTINUOUS	YES	TEMPORARY EXPANSION JOINTS
T	PAVE	LIMT	____	TEMP	13	DASHED	YES	TEMPORARY PAVING LIMITS
SITE PLANS								

T	SITE	____	____	TEMP	80	CONTINUOUS	YES	TEMPORARY SITE FEATURES
T	SITE	ABUT	____	TEMP	131	CONTINUOUS	YES	TEMPORARY BRIDGE ABUTMENTS
T	SITE	ABVE	____	TEMP	250	CONTINUOUS	YES	TEMPORARY SITE ELEMENTS OVERHEAD
T	SITE	BLDG	TEXT	TEMP	212	CONTINUOUS	YES	TEMPORARY BUILDING AND SHED ANNOTATIONS
T	SITE	BLDG	____	TEMP	131	CONTINUOUS	YES	TEMPORARY BUILDING AND SHED FEATURES
T	SITE	COLS	____	TEMP	191	CONTINUOUS	YES	TEMPORARY COLUMNS, PIERS AND POSTS
T	SITE	FNCE	____	TEMP	131	FENCE	YES	TEMPORARY FENCE LINES
T	SITE	FNDN	____	TEMP	131	CONTINUOUS	YES	TEMPORARY FOUNDATIONS
T	SITE	LAND	____	TEMP	131	CONTINUOUS	YES	TEMPORARY LANDSCAPE FEATURES
T	SITE	SWLK	____	TEMP	80	CONTINUOUS	YES	TEMPORARY SIDEWALK
T	SITE	TEXT	____	TEMP	212	CONTINUOUS	YES	TEMPORARY SITEWORK TEXT
T	SITE	WALL	____	TEMP	131	CONTINUOUS	YES	TEMPORARY WALLS

6.23.2.8 Civil 3D

DISCIPLINE	MAJOR	MINOR	DESC	PHASE	COLOR	LINETYPE	PLOTS	DESCRIPTION
T	ALGN	HOR_	____	EC3D	250	CENTER2	YES	EXISTING ALIGNMENT
T	ALGN	BRNG	____	C3D_	131	CONTINUOUS	YES	BEARINGS
T	ALGN	DSPD	____	C3D_	RED	CONTINUOUS	YES	ALIGNMENT DESIGN SPEED
T	ALGN	PCPT	____	C3D_	100	CONTINUOUS	YES	PC/PT/PCC/PRC/POC BUBBLES AND TEXT
T	ALGN	PCPT	____	EC3D	250	CONTINUOUS	YES	EXISTING PC/PT/PCC/PRC/POC
T	ALGN	STAT	____	C3D_	100	CONTINUOUS	YES	ALIGNMENT STATIONS AND TEXT
T	ALGN	TABL	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D OBJECT TABLE
T	ALGN	TEXT	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D OBJECT TEXT
T	ALGN	TEXT	____	EC3D	WHITE	CONTINUOUS	YES	CIVIL 3D OBJECT TEXT
T	ALGN	THEO	____	C3D_	RED	CONTINUOUS	YES	ALIGNMENT THEORETIC
T	ALGN	TPRD	____	C3D_	131	CONTINUOUS	YES	TEMPORARY ROAD ALIGNMENTS
T	ANNO	COGO	____	C3D_	252	CONTINUOUS	YES	COORDINATE GEOMETRY INFORMATION
T	ANNO	COGO	TEXT	C3D_	MAGENTA	CONTINUOUS	YES	COORDINATE GEOMETRY LABEL
T	ANNO	COGO	TEXT	C3D_	GREEN	CONTINUOUS	YES	COORDINATE GEOMETRY LABEL ALTERNATE
T	ANNO	COGO	TEXT	EC3D	RED	CONTINUOUS	YES	EXISTING COORDINATE GEOMETRY LABEL
T	ANNO	LGND	____	C3D_	100	CONTINUOUS	YES	LEGEND ITEMS
T	ANNO	LGND	PATT	C3D_	9	CONTINUOUS	YES	LEGEND ITEMS PATTERN
T	ANNO	MTCH	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D MATCH LINE
T	ANNO	MTCH	TEXT	C3D_	121	CONTINUOUS	YES	CIVIL 3D MATCH LINE LABEL
T	ANNO	TABL	____	C3D_	100	CONTINUOUS	YES	GENERAL ANNOTATION TABLE
T	ANNO	TEXT	____	C3D_	100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADERLINES
T	ANNO	TEXT	____	EC3D	250	CONTINUOUS	YES	EXISTING TEXT & CALLOUTS WITH ASSOC. LEADERLINES
T	ANNO	TITL	____	C3D_	172	CONTINUOUS	YES	TITLES
T	ANNO	VFRM	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D VIEW FRAME
T	ANNO	VFRM	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D VIEW FRAME LABEL
T	ANNO	VPRT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D SHEET
T	BLDG	SITE	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D BUILD SITE
T	CORR	____	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D CORRIDOR MODEL

T	ELEC	PIPE	____	C3D_	121	CENTER2	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT
T	ELEC	PIPE	CNTR	C3D_	RED	CENTER2	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT CENTERLINE
T	ELEC	PIPE	PATT	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT WALL HATCH PATTERN
T	ELEC	PIPE	XING	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL PIPE/CONDUIT CROSSING
T	ELEC	STRC	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL STRUCTURE
T	ELEC	STRC	PATT	C3D_	121	CONTINUOUS	YES	CIVIL 3D ELECTRICAL STRUCTURE HATCH PATTERN
T	ELEC	TEXT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D ELECTRICAL OBJECT LABEL
T	GRAD	OBJ_	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D GRADING OBJECT
T	GRAD	OBJ_	CUT_	C3D_	200	CONTINUOUS	YES	CIVIL 3D GRADING CUT MATERIAL
T	GRAD	OBJ_	CUT_	PATT	200	CONTINUOUS	YES	CIVIL 3D GRADING CUT MATERIAL PATTERN
T	GRAD	OBJ_	FILL	C3D_	RED	CONTINUOUS	YES	CIVIL 3D GRADING FILL MATERIAL
T	GRAD	OBJ_	FILL	PATT	RED	CONTINUOUS	YES	CIVIL 3D GRADING FILL MATERIAL PATTERN
T	GRAD	OBJ_	PATT	C3D_	92	CONTINUOUS	YES	CIVIL 3D GRADING PATTERN
T	GRAD	TIN_	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D SURFACE TIN
T	GRAD	TIN_	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D SURFACE TIN LABEL
T	GRAD	CLBL	____	C3D_	12	CONTINUOUS	YES	
T	GRAD	FEAT	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D FEATURE LINE
T	GRAD	FHAL	____	C3D_	92	CONTINUOUS	YES	MASS HAUL FREE HAUL
T	GRAD	FHAL	PATT	C3D_	172	CONTINUOUS	YES	MASS HAUL FREE HAUL PATTERN
T	GRAD	GRID	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D GRID SURFACE
T	GRAD	GRID	TEXT	C3D_	131	CONTINUOUS	YES	CIVIL 3D GRID SURFACE LABEL
T	GRAD	INDX	____	C3D_	220	CONTINUOUS	YES	SURFACE INDEX CONTOURS
T	GRAD	INTR	____	C3D_	92	CONTINUOUS	YES	SURFACE INTERMEDIATE CONTOURS
T	GRAD	LIMT	____	C3D_	13	CONTINUOUS	YES	LIMIT OF GRADING
T	GRAD	MHAL	____	C3D_	12	CONTINUOUS	YES	MASS HAUL
T	GRAD	OHAL	PATT	C3D_	100	CONTINUOUS	YES	MASS HAUL OVER HAUL PATTERN
T	GRAD	PNTS	____	C3D_	12	CONTINUOUS	YES	SPOT ELEVATION POINT MARKER
T	GRAD	SCTN	____	C3D_	12	CONTINUOUS	YES	GRADING SECTION
T	GRAD	SLOP	____	C3D_	12	CONTINUOUS	YES	SURFACE SLOPE
T	GRAD	SPOT	____	C3D_	11	CONTINUOUS	TRUE	SPOT ELEVATION POINT MARKER
T	GRAD	SPOT	____	C3D_	100	CONTINUOUS	YES	SPOT ELEVATION
T	GRAD	SPOT	____	EC3D	250	CONTINUOUS	YES	EXISTING SURFACE SPOT ELEVATION
T	GRAD	SPOT		NEW_	GREEN	CONTINUOUS	TRUE	NEW SPOT ELEVATION
T	GRAD	SPOT			252	CONTINUOUS	TRUE	EXISTING SPOT ELEVATION
T	GRAD	TEXT	___	C3D_	131	CONTINUOUS	YES	CIVIL 3D GRADING LABEL
T	GRAD	TINL	____	C3D_	13	CONTINUOUS	YES	SURFACE TIN LINE
T	GRAD	USER	____	C3D_	12	CONTINUOUS	YES	SURFACE USER DEFINED CONTOUR
T	GRAD	WSHD	____	C3D_	13	CONTINUOUS	YES	SURFACE WATERSHED
T	INTR	____	____	C3D_	RED	CONTINUOUS	YES	INTERMEDIATE CONTOURS
T	INTR	TEXT	____	C3D_	100	CONTINUOUS	YES	INTERMEDIATE CONTOURS LABEL
T	PROF	____	____	C3D_	131	CONTINUOUS	YES	PROFILE FEATURES
T	PROF	____	____	EC3D	RED	HIDDEN2	YES	EXISTING PROFILE FEATURES
T	PROF	EGL_	____	C3D_	172	CONTINUOUS	YES	ENERGY GRADE LINE
T	PROF	HGL_	____	C3D_	100	DASHED	YES	HIGH GRADE LINE
T	PROF	GRID	____	C3D_	250	CONTINUOUS	YES	PROFILE VIEW GRID LINE
T	PROF	GRID	CUT_	C3D_	RED	CONTINUOUS	YES	PROFILE VIEW CUT
T	PROF	GRID	FILL	C3D_	130	CONTINUOUS	YES	PROFILE VIEW FILL
T	PROF	OFST	____	C3D_	92	DASHED	YES	OFFSET PROFILE

T	PROF	PIPE	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D PIPE AND STRUCTURE IN PROFILE
T	PROF	SUPR	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D SUPER
T	PROF	TEXT	____	C3D_	100	CONTINUOUS	YES	MISC. TEXT & CALLOUTS WITH ASSOC. LEADER LINES
T	PROF	TEXT	____	EC3D	252	CONTINUOUS	YES	EXISTING TEXT & CALLOUTS WITH ASSOC. LEADER LINES
T	PROF	THEO	____	C3D_	RED	CONTINUOUS	YES	THEORETIC PROFILE FEATURE
T	PROF	VIEW	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D PROFILE VIEW
T	PROF	VIEW	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D PROFILE VIEW LABEL
T	SECT	____	____	C3D_	172	CONTINUOUS	YES	SECTION FEATURES
T	SECT	____	____	EC3D	RED	HIDDEN2	YES	EXISTING SECTION FEATURES
T	SECT	ASSY	____	C3D_	250	CONTINUOUS	YES	CIVIL 3D SECTION SUBASSEMBLY
T	SECT	GRID	____	C3D_	250	CONTINUOUS	YES	SECTION VIEW GRID LINE
T	SECT	PIPE	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D PIPE AND STRUCTURE IN SECTION VIEW
T	SECT	SMPL	____	C3D_	131	CONTINUOUS	YES	SECTION SAMPLE LINE ALONG ALIGNMENT
T	SECT	SMPL	TEXT	C3D_	100	CONTINUOUS	YES	SECTION SAMPLE LINE
T	SECT	SMPL	VRTX	C3D_	92	CONTINUOUS	YES	SECTION SAMPLE VERTEX
T	SECT	TEXT	____	C3D_	100	CONTINUOUS	YES	SECTION LABEL
T	SECT	VIEW	QTO_	C3D_	131	CONTINUOUS	YES	CIVIL 3D QUANTITIES IN SECTION VIEW
T	SECT	VIEW	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D SECTION VIEW LABELS
T	SECT	VRTX	____	C3D_	RED	CONTINUOUS	YES	SECTION VERTEX
T	SECT	VRTX	____	EC3D	RED	CONTINUOUS	YES	EXISTING SECTION VERTEX
T	SECT	XING	____	C3D_	RED	CENTER2	YES	SECTION CROSSING
T	SECT	XING	____	EC3D	250	CENTER2	YES	EXISTING SECTION CROSSING
T	SECT	XING	OFST	C3D_	RED	CENTER2	YES	SECTION CROSSING OFFSET
T	SITE	CORR	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D CORRIDOR MODEL
T	SITE	CORR	INTR	C3D_	131	CONTINUOUS	YES	CIVIL 3D CORRIDOR INTERSECTION MODEL
T	SITE	CORR	SECT	C3D_	121	CONTINUOUS	YES	CIVIL 3D CORRIDOR SECTION
T	SITE	CORR	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D CORRIDOR LABEL
T	SITE	CTCH	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D CATCHMENT AREA
T	SITE	CTCH	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D CATCHMENT AREA LABEL
T	SITE	FIGR	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D SURVEY FIGURE GEOMETRY
T	SITE	HAUL	LINE	C3D_	121	CONTINUOUS	YES	CIVIL 3D MASS HAUL LINE
T	SITE	HAUL	VIEW	C3D_	100	CONTINUOUS	YES	CIVIL 3D MASS HAUL VIEW
T	SITE	MTRL	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D MASS HAUL LABEL
T	SITE	MTRL	TABL	C3D_	121	CONTINUOUS	YES	CIVIL 3D MATERIALS TABLE
T	SITE	NTWK	____	C3D_	131	CONTINUOUS	YES	CIVIL 3D SURVEY NETWORK
T	SITE	PROP	____	C3D_	WHITE	CONTINUOUS	YES	CIVIL 3D SITE PARCEL
T	SITE	PROP	LINE	C3D_	131	CONTINUOUS	YES	CIVIL 3D SITE PARCEL LINE
T	SITE	PROP	TEXT	C3D_	100	CONTINUOUS	YES	CIVIL 3D SITE PARCEL LABEL
T	SSWR	PIPE	____	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM PIPE
T	SSWR	PIPE	CNTR	C3D_	RED	CENTER2	YES	SANITARY SEWER SYSTEM PIPE CENTERLINE
T	SSWR	PIPE	PATT	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM PIPE WALL
T	SSWR	PIPE	XING	C3D_	121	CONTINUOUS	YES	SANITARY SEWER SYSTEM PIPE CROSSING
T	SSWR	STRC	____	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM STRUCTURE
T	SSWR	STRC	PATT	C3D_	130	CONTINUOUS	YES	SANITARY SEWER SYSTEM STRUCTURE PATTERN
T	SSWR	TEXT	____	C3D_	100	CONTINUOUS	YES	SANITARY SEWER SYSTEM LABEL
T	STRM	PIPE	____	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM PIPE
T	STRM	PIPE	CNTR	C3D_	RED	CENTER2	YES	STORM SEWER SYSTEM PIPE CENTERLINE

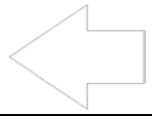
T	STRM	PIPE	PATT	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM PIPE WALL PATTERN
T	STRM	PIPE	XING	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM PIPE CROSSING
T	STRM	STRC	____	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM STRUCTURE
T	STRM	STRC	PATT	C3D_	12	CONTINUOUS	YES	STORM SEWER SYSTEM STRUCTURE PATTERN
T	STRM	TEXT	____	C3D_	100	CONTINUOUS	YES	STORM SEWER SYSTEM LABEL
T	UTIL	INTF	CHCK	C3D_	10	CONTINUOUS	YES	CIVIL 3D UTILITY INTERFERENCE CHECK
T	UTIL	POBJ	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D PIPE UTILITY OBJECT
T	UTIL	PTXT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D PIPE UTILITY LABEL
T	UTIL	SOBJ	____	C3D_	121	CONTINUOUS	YES	CIVIL 3D STRUCTURE UTILITY OBJECT
T	UTIL	STXT	____	C3D_	100	CONTINUOUS	YES	CIVIL 3D STRUCTURE UTILITY LABEL
T	UTIL	XING	TEXT	C3D_	121	CONTINUOUS	YES	UTILITY SYSTEM CROSSING LABEL
T	WATR	PIPE	____	C3D_	121	CONTINUOUS	YES	WATER SYSTEM PIPE
T	WATR	PIPE	CNTR	C3D_	RED	CENTER2	YES	WATER SYSTEM PIPE CENTERLINE
T	WATR	PIPE	PATT	C3D_	121	CONTINUOUS	YES	WATER SYSTEM PIPE WALL PATTERN
T	WATR	PIPE	XING	C3D_	121	CONTINUOUS	YES	WATER SYSTEM PIPE CROSSING
T	WATR	STRC	____	C3D_	121	CONTINUOUS	YES	WATER SYSTEM STRUCTURE
T	WATR	STRC	PATT	C3D_	121	CONTINUOUS	YES	WATER SYSTEM STRUCTURE PATTERN
T	WATR	TEXT	____	C3D_	100	CONTINUOUS	YES	WATER SYSTEM LABEL

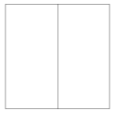
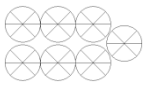
6.23.3 Linetypes

Name	Description	Example
BROKENLANE		
Continuous	Continuous	
DASHED	Dashed (1x)	
DOTTEDLANE2		
DOTTEDLANE4		
FENCE		
GUIDEB		
GUIDET		
GUIDEW		
HIDDEN		
HIDDEN2		
NJDOT		
NJTPK		

6.23.4 Symbols

6.23.4.1 Removal

Symbol	Block name	Layer Name	Description
	Cantilever sign structure with changeable message panel-removal.dwg	(Varies)	Cantilever Sign Structure with Changeable Message Panel
	Cantilever sign structure with fixed message-removal.dwg	(Varies)	Cantilever Sign Structure with Fixed Message
	Crash cushion attenuator-removal.dwg	(Varies)	Crash Cushion Attenuator
	Curbed traffic guide system posts with base plate (without c)-removal.dwg	(Varies)	Curbed Traffic Guide System Posts with Base Plate (Without C)
	Direction of traffic (permanent conditions)-removal.dwg	(Varies)	Direction of Traffic (Permanent Conditions)
	Double post mounted sign with changeable message panel-removal.dwg	(Varies)	Double Post-Mounted Sign with Changeable Message Panel
	Removal sign panel to be modified-removal.dwg	(Varies)	Removal Sign Panel to be Modified
	Fence mounted sign with fixed message panel-removal.dwg	(Varies)	Fence-Mounted Sign With Fixed Message Panel
	Gantry sign structure with changeable message panels-removal.dwg	(Varies)	Gantry Sign Structure with Changeable Message Panels
	Gantry sign structure with fixed message panels-removal.dwg	(Varies)	Gantry Sign Structure with Fixed Message Panels
	Pavement marking arrow symbol (type a-e)-removal.dwg	(Varies)	Pavement Marking Arrow Symbol (Type A-E)
	Pavement marking line-removal.dwg	(Varies)	Pavement Marking Line

	Pedestrian push button standard with identifier-removal.dwg	(Varies)	Pedestrian Push-Button Standard with Identifier
	Pole mounted back to back signs with fixed message panels-removal.dwg	(Varies)	Pole-Mounted Back-to-Back Signs with Fixed Message Panels
	Pole mounted right angle signs with fixed message panels-removal.dwg	(Varies)	Pole-Mounted Right Angle Signs with Fixed Message Panels
	Pole mounted sign with fixed message panel-removal.dwg	(Varies)	Pole-Mounted Sign with Fixed Message Panel
	Post mounted back to back signs with fixed message panels-removal.dwg	(Varies)	Post-Mounted Back-to-Back Signs with Fixed Message Panels
	Post mounted right angle signs with fixed message panels-removal.dwg	(Varies)	Post-Mounted Right-Angle Signs with Fixed Message Panels
	Post mounted sign with fixed message panel-removal.dwg	(Varies)	Post-Mounted Sign with Fixed Message Panel
	Reflectorized pavement marker-removal.dwg	(Varies)	Reflectorized Pavement Marker
	Roadway surveillance sensor with identifier-removal.dwg	(Varies)	Roadway Surveillance Sensor with Identifier
	Sand barrel array-removal.dwg	(Varies)	Sand-Barrel Array
	Sign panel identifier-removal.dwg	(Varies)	Sign Panel Identifier
	Sign structure location identifier-removal.dwg	(Varies)	Sign Structure Location Identifier
	Signal controller and cabinet ground mounted-removal.dwg	(Varies)	Signal Controller and Cabinet, Pole-Mounted

	Signal controller and cabinet pole mounted-removal.dwg	(Varies)	Signal Controller and Cabinet, Pole-Mounted
	Traffic guide posts-removal.dwg	(Varies)	Traffic Guide Posts
	Traffic post top side of pole mounted signal-removal.dwg	(Varies)	Traffic Post Top Side of Pole-Mounted Signal
	Traffic signal span wire installation with span length-removal.dwg	(Varies)	Traffic Signal Span Wire Installation with Span Length
	Traffic signal standard with identifier-removal.dwg	(Varies)	Traffic Signal Standard with Identifier
	Traffic signal standard with mast arm length-removal.dwg	(Varies)	Traffic Signal Standard with Mast Arm Length
	Vehicular signal head with identifier-removal.dwg	(Varies)	Vehicular Signal Head with Identifier

6.23.4.2 Guide

Symbol	Block Name	Layer Name	Description
	D9-5.dwg	(Varies)	Reserved Handicapped Parking
EXIT	E5-1.dwg	(Varies)	Exit to Right in Distance
EXIT	E5-1L.dwg	(Varies)	Exit to Left – Immediate
EXIT	E5-1Lx.dwg	(Varies)	Exit to Left in Distance
EXIT	E5-1R.dwg	(Varies)	Exit to Right – Immediate

	E5-1Rx.dwg	(Varies)	Exit to Right in Distance
	G20-1f.dwg	(Varies)	“Road Work Ahead” Sign
	G20-2.DWG	(Varies)	“End Road Work” Sign
	M1-1.DWG	(Varies)	Interstate Route Number Sign
	M1-4-3..DWG	(Varies)	Interstate Route Number Sign – 3 Digits
	M1-4.DWG	(Varies)	Roadway Route Number Sign – 2 Digits
	M1-5.DWG	(Varies)	Roadway Route Number Sign – 2 Digits
	M2-1.DWG	(Varies)	Juncture Sign
	M3-1.DWG	(Varies)	“North” Sign
	M3-2.DWG	(Varies)	“East” Sign
	M3-3.DWG	(Varies)	“South” Sign
	M3-4.DWG	(Varies)	“West” Sign
	M4-1.DWG	(Varies)	“Alternate” Sign

ALT	M4-1a.dwg	(Varies)	“ALT” Sign
BY-PASS	M4-2.DWG	(Varies)	“By-Pass” Sign
BUSINESS	M4-3.dwg	(Varies)	“Business” Sign
TRUCK	M4-4.dwg	(Varies)	“Truck” Sign
TO	M4-5.dwg	(Varies)	“To” Sign
END	M4-6.dwg	(Varies)	“End” Sign
TEMPORARY	M4-7.dwg	(Varies)	“Temporary” Sign
DETOUR	M4-8.dwg	(Varies)	“Detour” Sign
END DETOUR	M4-8a.dwg	(Varies)	“End Detour” Sign
DETOUR ←	M4-9l.dwg	(Varies)	Detour Left
DETOUR ↖	M4-9lx.dwg	(Varies)	Detour Left, In Distance
DETOUR →	M4-9r.dwg	(Varies)	Detour Right
DETOUR ↗	M4-9rx.dwg	(Varies)	Detour Right, In Distance

	M4-9x.dwg	(Varies)	Detour Ahead
	M4-10l.dwg	(Varies)	Detour – Turn Left
	M4-10r.dwg	(Varies)	Detour – Turn Right
	M5-1L.dwg	(Varies)	Left Turn Ahead
	M5-1R.dwg	(Varies)	Right Turn Ahead
	M5-2L.dwg	(Varies)	Approaching Left Turn
	M5-2R.dwg	(Varies)	Approaching Right Turn
	M6-1l.dwg	(Varies)	Turn Left
	M6-1r.dwg	(Varies)	Turn Right
	M6-2l.dwg	(Varies)	Merge Left
	M6-2r.dwg	(Varies)	Merge Right
	M6-3.dwg	(Varies)	Continue Straight
	M6-4.dwg	(Varies)	Must Turn Left or Right

	M6-5l.dwg	(Varies)	Must Bear Left or Turn Right
	M6-5r.dwg	(Varies)	Must Bear Right or Turn Left
	M6-6L.dwg	(Varies)	Lane Must Proceed Straight or Turn Left
	M6-6R.dwg	(Varies)	Lane Must Proceed Straight or Turn Right
	M6-7L.dwg	(Varies)	Lane Must Proceed Straight or Bear Left
	M6-7R.dwg	(Varies)	Lane Must Proceed Straight or Bear Right

6.23.4.3 Marker

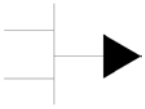
Symbol	Block Name	Layer Name	Description
	ERM-1818YY.dwg	(Varies)	Diamond Reflector Sign – Bright Color
	OM-3L.DWG	(Varies)	Rectangular Reflector Sign – Diagonals, Up to Left
	OM-3R.DWG	(Varies)	Rectangular Reflective Sign – Diagonals, Up to Right
	OM-612-3.DWG	(Varies)	Rectangular Reflective Sign – Blank
	OM-612.DWG	(Varies)	Rectangular Reflective Sign – Circular Reflectors
	OM-1818Y.DWG	(Varies)	Diamond Reflective Sign

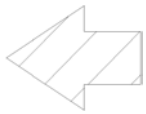
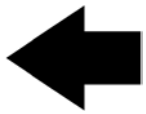
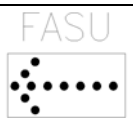
	OM-1818YB.dwg	(Varies)	Diamond Reflector Sign – Dark Color

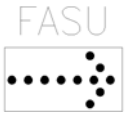
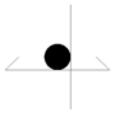
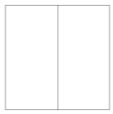
6.23.4.4 Miscellaneous

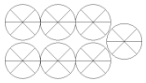
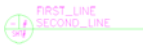
Symbol	Block Name	Layer Name	Description
	LIGHT.DWG	(Varies)	Single Light Symbol
	LIGHTS.DWG	(Varies)	Two Lights Symbol
	S-3.DWG	(Varies)	“Bridge Will be Closed” Sign
	S-4.DWG	(Varies)	“Plan Alt. Route” Sign

6.23.4.5 Proposed

Symbol	Block Name	Layer Name	Description
	Back-up vehicle with flashing lights only-proposed.dwg	(Varies)	Back-Up Vehicle with Flashing Lights Only
	Back-up vehicle with impact attenuator and fasu-proposed.dwg	(Varies)	Back-Up Vehicle with Impact Attenuator and FASU
	Back-up vehicle with impact attenuator without fasu-proposed.dwg	(Varies)	Back-Up Vehicle with Impact Attenuator without FASU
	Breakaway barricades (type iii) with attached sign-proposed.dwg	(Varies)	Breakaway Barricades (Type III), with Attached Sign
	Breakaway barricades (type iii)-proposed.dwg	(Varies)	Breakaway Barricades (Type III)
	Cantilever sign structure with changeable message panel-proposed.dwg	(Varies)	Cantilever Sign Structure with Changeable Message Panel

	Cantilever sign structure with fixed message-proposed.dwg	(Varies)	Cantilever Sign Structure with Fixed Message
	Contractor's vehicle-proposed.dwg	(Varies)	Contractor's Vehicle
	Crash cushion attenuator-proposed.dwg	(Varies)	Crash Cushion Attenuator
	Curbed traffic guide system posts with base plate (without c)-proposed.dwg	(Varies)	Curbed Traffic Guide System Posts with Base Plate (Without C)
	Direction of detour (temporary traffic flow)-proposed.dwg	(Varies)	Direction of Detour (Temporary Traffic Flow)
	Direction of haul route-proposed.dwg	(Varies)	Direction of Haul Route
	Direction of traffic (permanent conditions)-proposed.dwg	(Varies)	Direction of Traffic (Permanent Conditions)
	Double post mounted sign with changeable message panel-proposed.dwg	(Varies)	Double Post-Mounted Sign with Changeable Message Panel
	Fence mounted sign with fixed message panel-proposed.dwg	(Varies)	Fence-Mounted Sign with Fixed Message Panel
	Flagger location-proposed.dwg	(Varies)	Flagger Location
	Flashing arrow sign unit (fasu) caution mode indication-proposed.dwg	(Varies)	Flashing Arrow Sign Unit (FASU) Caution Mode Indication
	Flashing arrow sign unit (fasu) double arrow indication-proposed.dwg	(Varies)	Flashing Arrow Sign Unit (FASU) Double-Arrow Indication
	Flashing arrow sign unit (fasu) left arrow indication-proposed.dwg	(Varies)	Flashing Arrow Sign Unit (FASU) Left Arrow Indication

	Flashing arrow sign unit (fasu) right arrow indication-proposed.dwg	(Varies)	Flashing Arrow Sign Unit (FASU) Right Arrow Indication
	Gantry sign structure with changeable message panels-proposed.dwg	(Varies)	Gantry Sign Structure with Changeable Message Panels
	Gantry sign structure with fixed message panels-proposed.dwg	(Varies)	Gantry Sign Structure with Fixed Message Panels
	Pavement marking arrow symbol (type a-e)-proposed.dwg	(Varies)	Pavement Marking Arrow Symbol (Type A-E)
	Pavement marking line-proposed.dwg	(Varies)	Pavement Marking Line
	Pedestrian push button standard with identifier-proposed.dwg	(Varies)	Pedestrian Push-Button Standard with Identifier
	Pedestrian signal head with identifier-proposed.dwg	(Varies)	Pedestrian Signal Head with Identifier
	Plastic delineator drums with attached warning lights-proposed.dwg	(Varies)	Plastic Delineator Drums with Attached Warning Lights
	Plastic delineator drums-proposed.dwg	(Varies)	Plastic Delineator Drums
	Pole mounted back to back signs with fixed message panels-proposed.dwg	(Varies)	Pole-Mounted Back-to-Back Signs with Fixed Message Panels
	Pole mounted right angle signs with fixed message panels-proposed.dwg	(Varies)	Pole Mounted Right-Angle Signs with Fixed Message Panels
	Pole mounted sign with fixed message panel-proposed.dwg	(Varies)	Pole-Mounted Sign with Fixed Message Panel
	Reflectorized pavement marker-proposed.dwg	(Varies)	Reflectorized Pavement Marker

	Roadway surveillance sensor with identifier-proposed.dwg	(Varies)	Roadway Surveillance Sensor with Identifier
	Sand barrel array-proposed.dwg	(Varies)	Sand-Barrel Array
	Sand filled barriers-proposed.dwg	(Varies)	Sand-Filled Barriers
	Sign on temporary sign stand-proposed.dwg	(Varies)	Sign on Temporary Sign Stand
	Sign panel identifier-proposed.dwg	(Varies)	Sign Panel Identifier
	Sign structure location identifier-proposed.dwg	(Varies)	Sign Structure Location Identifier
	Signal controller and cabinet ground mounted-proposed.dwg	(Varies)	Signal Controller and Cabinet, Ground-Mounted
	Signal controller and cabinet pole mounted-proposed.dwg	(Varies)	Signal Controller and Cabinet, Pole-Mounted
	Temporary impact attenuator-proposed.dwg	(Varies)	Temporary Impact Attenuator
	Temporary reflectorized pavement marker-proposed.dwg	(Varies)	Temporary Reflectorized Pavement Marker
	Tra-callout.dwg	(Varies)	Callout Symbol
	Tra-det-symb.dwg	(Varies)	Detail Symbol
	Traffic cone-proposed.dwg	(Varies)	Traffic Cone

	Traffic cones-proposed.dwg	(Varies)	Traffic Cones
	Traffic guide posts-proposed.dwg	(Varies)	Traffic Guide Posts
	Traffic lane or other area closed to traffic-proposed.dwg	(Varies)	Traffic Lane or Other Area Closed to Traffic
	Traffic post top side of pole mounted signal-proposed.dwg	(Varies)	Traffic Post Top Side of Pole-Mounted Signal
	Traffic signal span wire installation with span length-proposed.dwg	(Varies)	Traffic Signal Span Wire Installation with Span Length
	Traffic signal standard with identifier-proposed.dwg	(Varies)	Traffic Signal Standard with Identifier
	Traffic signal standard with mast arm length-proposed.dwg	(Varies)	Traffic Signal Standard with Mast Arm Length
	Trailer mounted flashing arrow sign unit (fasu)-proposed.dwg	(Varies)	Trailer-Mounted Flashing Arrow Sign Unit (FASU)
	Trailer mounted variable message sign unit (vmsu)-proposed.dwg	(Varies)	Trailer-Mounted Flashing Variable Message Sign Unit (VMSU)
	Tra-sec-mark.dwg	(Varies)	Section Mark
	Vehicle detector with identifier-proposed.dwg	(Varies)	Vehicle Detector with Identifier
	Vehicular signal head with identifier-proposed.dwg	(Varies)	Vehicular Signal Head with Identifier
	Warning lights (two)(type a b or c)-proposed.dwg	(Varies)	Warning Lights (Two)(Type A, B, or C)

	Warning lights (type a b or c)-proposed.dwg	(Varies)	Warning Lights (Type A, B, or C)
	Work area-proposed.dwg	(Varies)	Work Area

6.23.4.6 Regulatory

Symbol	Block Name	Layer Name	Description
	E11-1.DWG	(Varies)	“Exit Only” Sign
	KR7-1016a.dwg	(Varies)	“No Parking” Sing
	R1-1.DWG	(Varies)	Stop Sign
	R1-2.DWG	(Varies)	Yield Sign
	R2-1.DWG	(Varies)	Speed Limit Sign
	R2-5a.dwg	(Varies)	“Reduced Speed Ahead” Sign
	R2-5b.dwg	(Varies)	Reduced Speed Sign with Posted Speed
	R2-5c.dwg	(Varies)	“Speed Zone Ahead” Sign
	R3-1.DWG	(Varies)	Right Turn Prohibited
	R3-2.DWG	(Varies)	Left Turn Prohibited

	R3-3.DWG	(Varies)	“No Turns” Sign
	R3-4.DWG	(Varies)	U-Turn Prohibited Sign
	R3-5.DWG	(Varies)	Left Turn Only Ahead
	R3-6.DWG	(Varies)	Exit on Left Ahead
	R3-7.DWG	(Varies)	“Left Lane Must Turn Left” Sign
	R3-8.DWG	(Varies)	Two-Lane Sign for Left Turns and Proceeding Straight
	R3-21.DWG	(Varies)	U-Turn Sign
	R3-23.DWG	(Varies)	Proceed Straight Only
	R3-24.DWG	(Varies)	Right Turn Only Ahead
	R3-26.DWG	(Varies)	Exit on Right Ahead
	R3-27.DWG	(Varies)	Left or Right Turn Only Ahead
	R3-28.DWG	(Varies)	Left or Right Turn, or Proceed Straight, Ahead
	R3-32.DWG	(Varies)	“Right Lane Must Turn Left” Sign

	R3-33.DWG	(Varies)	“Thru Traffic Use Left Lane” Sign
	R3-34.DWG	(Varies)	“Thru Traffic Use Center Lane” Sign
	R3-35.DWG	(Varies)	“Thru Traffic Use Right Lane” Sign
	R4-1.DWG	(Varies)	“Do Not Pass” Sign
	R4-2.DWG	(Varies)	“Pass with Care” Sign
	R4-5.DWG	(Varies)	“Trucks Use Right Lane” Sign
	R4-7.DWG	(Varies)	Keep to Right of Divider
	R4-8.DWG	(Varies)	Keep to Left of Divider
	R4-9.DWG	(Varies)	“Stay in Lane”
	R5-1.DWG	(Varies)	“Do Not Enter” Sign
	R5-1a.dwg	(Varies)	“Wrong Way” Sign
	R5-2.DWG	(Varies)	Trucks Prohibited
	R5-6.DWG	(Varies)	Bicycles Prohibited

	R5-7.DWG	(Varies)	Pedestrian Crosswalk Sign
	R5-8.DWG	(Varies)	“Sidewalk Closed” Sign
	R5-9.DWG	(Varies)	Sidewalk Closed – Alternative Crossing Location (Either Left or Right)
	R5-9a.dwg	(Varies)	Sidewalk Closed – Alternative Crossing Location (Left)
	R5-9b.dwg	(Varies)	Sidewalk Closed – Alternative Crossing Location (Right)
	R6-1L.DWG	(Varies)	Horizontal One Way to Left Sign
	R6-1R.DWG	(Varies)	Horizontal One Way to Right Sign
	R6-2L.DWG	(Varies)	Vertical One Way to Left Sign
	R6-2R.DWG	(Varies)	Vertical One Way to Right Sign
	R7-4.dwg	(Varies)	Standing Prohibited Sign (General Vicinity)
	R7-4L.dwg	(Varies)	Standing Prohibited Sign (To Left)
	R7-4R.dwg	(Varies)	Standing Prohibited Sign (To Right)
	R7-201a.dwg	(Varies)	Tow Away Zone Sign

	R8-3a.dwg	(Varies)	Parking Prohibited Sign
	R8-8.dwg	(Varies)	“Do Not Stop on Tracks” Sign
	R9-3a.dwg	(Varies)	Crossing Prohibited Sign
	R11-2.DWG	(Varies)	“Road Closed” Sign
	R11-3.DWG	(Varies)	“Road Closed Ahead - Local Traffic Only” Sign
	R11-4.DWG	(Varies)	“Road Closed to Thru Traffic” Sign
	R12-2.DWG	(Varies)	“Weight Limit 10 Tons” Sign
	R15-1.DWG	(Varies)	Railroad Crossing
	Yield to pedestrian.dwg	(Varies)	Yield to Pedestrian Sign

6.23.4.7 Removal

Symbol	Block Name	Layer Name	Description
	Cantilever sign structure with changeable message panel-removal.dwg	(Varies)	Cantilever Sign Structure with Changeable Message Panel
	Cantilever sign structure with fixed message-removal.dwg	(Varies)	Cantilever Sign Structure with Fixed Message
	Crash cushion attenuator-removal.dwg	(Varies)	Crash Cushion Attenuator

	Curbed traffic guide system posts with base plate (without c)-removal.dwg	(Varies)	Curbed Traffic Guide System Posts with Base Plate (Without C)
	Double post mounted sign with changeable message panel-proposed.dwg	(Varies)	Double Post-Mounted Sign with Changeable Message Panel
	Removal sign panel to be relocated-removal.dwg	(Varies)	Fence-Mounted Sign with Fixed Message Panel
	Fence mounted sign with fixed message panel-removal.dwg	(Varies)	Flagger Location
	Gantry sign structure with changeable message panels-removal.dwg	(Varies)	Gantry Sign Structure with Changeable Message Panels
	Gantry sign structure with fixed message panels-removal.dwg	(Varies)	Gantry Sign Structure with Fixed Message Panels
	Pavement marking arrow symbol (type a-e)-removal.dwg	(Varies)	Pavement Marking Arrow Symbol (Type A-E)
	Pavement marking line-removal.dwg	(Varies)	Pavement Marking Line
	Pedestrian push button standard with identifier-removal.dwg	(Varies)	Pedestrian Push-Button Standard with Identifier
	Pedestrian signal head with identifier-removal.dwg	(Varies)	Pedestrian Signal Head with Identifier
	Pole mounted back to back signs with fixed message panels-removal.dwg	(Varies)	Pole-Mounted Back-to-Back Signs with Fixed Message Panels
	Pole mounted right angle signs with fixed message panels-removal.dwg	(Varies)	Pole Mounted Right-Angle Signs with Fixed Message Panels
	Pole mounted sign with fixed message panel-removal.dwg	(Varies)	Pole-Mounted Sign with Fixed Message Panel

	Reflectorized pavement marker-removal.dwg	(Varies)	Reflectorized Pavement Marker
	Roadway surveillance sensor with identifier-removal.dwg	(Varies)	Roadway Surveillance Sensor with Identifier
	Sand barrel array-removal.dwg	(Varies)	Sand-Barrel Array
	Sign panel identifier-removal.dwg	(Varies)	Sign Panel Identifier
	Sign structure location identifier-removal.dwg	(Varies)	Sign Structure Location Identifier
	Signal controller and cabinet ground mounted-removal.dwg	(Varies)	Signal Controller and Cabinet, Ground-Mounted
	Signal controller and cabinet pole mounted-removal.dwg	(Varies)	Signal Controller and Cabinet, Pole-Mounted
	Traffic guide posts-removal.dwg	(Varies)	Traffic Guide Posts
	Traffic post top side of pole mounted signal-removal.dwg	(Varies)	Traffic Post Top Side of Pole-Mounted Signal
	Traffic signal span wire installation with span length-removal.dwg	(Varies)	Traffic Signal Span Wire Installation with Span Length
	Traffic signal standard with identifier-removal.dwg	(Varies)	Traffic Signal Standard with Identifier
	Traffic signal standard with mast arm length-removal.dwg	(Varies)	Traffic Signal Standard with Mast Arm Length
	Vehicle detector with identifier-removal.dwg	(Varies)	Vehicle Detector with Identifier

	Vehicular signal head with identifier-removal.dwg	(Varies)	Vehicular Signal Head with Identifier

6.23.4.8 Warning

Symbol	Block Name	Layer Name	Description
	KW21-4.DWG	(Varies)	“Work Area” Sign with Input Field
	SupPlate.dwg	(Varies)	“XXX FEET” Sign
	W1-1L.DWG	(Varies)	Left Turn Ahead
	W1-1R.DWG	(Varies)	Right Turn Ahead
	W1-2L.DWG	(Varies)	Left Bend Ahead
	W1-2R.DWG	(Varies)	Right Bend Ahead
	W1-3L.DWG	(Varies)	Lane Shift to Left Ahead
	W1-3R.DWG	(Varies)	Lane Shift to Right Ahead
	W1-4aL.dwg	(Varies)	Bear Left Ahead
	W1-4aR.dwg	(Varies)	Bear Right Ahead
	W1-4bL.dwg	(Varies)	Bear Left Ahead (Two Lanes)

	W1-4bR.dwg	(Varies)	Bear Right Ahead (Two Lanes)
	W1-4cL.dwg	(Varies)	Bear Left Ahead (Three Lanes)
	W1-4cR.dwg	(Varies)	Bear Right Ahead (Three Lanes)
	W1-5L.DWG	(Varies)	Lane Swerves Left
	W1-5R.DWG	(Varies)	Lane Swerves Right
	W1-6L.DWG	(Varies)	Must Turn Left
	W1-6R.DWG	(Varies)	Must Turn Right
	W1-7.DWG	(Varies)	Must Turn Either Left or Right
	W1-8L.DWG	(Varies)	Left Bend Arrow Sign
	W1-8R.DWG	(Varies)	Right Bend Arrow Sign
	W2-1.DWG	(Varies)	Four-Way Intersection Sign
	W2-2L.DWG	(Varies)	Side Street Intersection on Left Ahead
	W2-2R.DWG	(Varies)	Side Street Intersection on Right Ahead

	W2-3L.DWG	(Varies)	Diverging Street Ahead – Left
	W2-3R.DWG	(Varies)	Diverging Street Ahead – Right
	W2-4.DWG	(Varies)	Three-Way Intersection
	W2-5.DWG	(Varies)	Three-Way Intersection (Diverging)
	W2-7-NY.DWG	(Varies)	Converging Street Ahead – Left
	W2-8-NY.DWG	(Varies)	Converging Street Ahead – Left
	W2-10-NY.DWG	(Varies)	Alternating Intersections Ahead
	W2-11-NY.DWG	(Varies)	Alternating Intersections Ahead
	W2-14-NY.DWG	(Varies)	Traffic Circle
	W3-1.DWG	(Varies)	“Stop Ahead” Sign
	W3-1a.dwg	(Varies)	Stop Ahead
	W3-2.DWG	(Varies)	“Yield Ahead” Sign
	W3-2a.dwg	(Varies)	Yield Ahead

	W3-3.DWG	(Varies)	Traffic Light Ahead
	W3-4-NY.DWG	(Varies)	Road Splits Ahead
	W3-11-NY.DWG	(Varies)	Road Narrows
	W3-14-NY.DWG	(Varies)	“Single Lane” Sign
	W4-1L.DWG	(Varies)	Lane Merges from Left Ahead
	W4-1R.DWG	(Varies)	Lane Merges from Right Ahead
	W4-2L.DWG	(Varies)	Lanes Merge from Left
	W4-2R.DWG	(Varies)	Lanes Merge from Right
	W4-3L.DWG	(Varies)	Merging from Left
	W4-3R.DWG	(Varies)	Merging from Right
	W5-1.DWG	(Varies)	“Road Narrows” Sign
	W5-2.DWG	(Varies)	“Narrow Bridge” Sign
	W5-3.DWG	(Varies)	“One Lane Bridge” Sign

	W5-4.DWG	(Varies)	“Ramp Narrows” Sign
	W6-1.DWG	(Varies)	Divergence of Lanes
	W6-2.DWG	(Varies)	Convergence of Lanes
	W6-3.DWG	(Varies)	Two-Way Traffic
	W7-1.DWG	(Varies)	Decline
	W7-1b.dwg	(Varies)	Decline with Percent Gradation
	W8-1.DWG	(Varies)	“Bump” Sign
	W8-2.DWG	(Varies)	“Dip” Sign
	W8-3.DWG	(Varies)	“Pavement Ends” Sign
	W8-4.DWG	(Varies)	“Soft Shoulder” Sign
	W8-5.dwg	(Varies)	Car Swerve Area
	W8-6.DWG	(Varies)	“Truck Crossing” Sign
	W8-7.DWG	(Varies)	“Loose Gravel” Sign

	W8-9.DWG	(Varies)	“Low Shoulder” Sign
	W8-9a.dwg	(Varies)	Uneven Pavement
	W9-1L.DWG	(Varies)	“Left Lane Ends” Sign
	W9-1R.DWG	(Varies)	“Right Lane Ends” Sign
	W9-2L.DWG	(Varies)	“Lane Ends Merge Left” Sign
	W9-2R.DWG	(Varies)	“Lane Ends Merge Right” Sign
	W9-3.DWG	(Varies)	“Center Lane Closed” Sign with Input Field
	W10-1.DWG	(Varies)	Railroad Crossing
	W10-2.DWG	(Varies)	Railroad Crossing & Adjacent 4-Way Intersection
	W10-3.DWG	(Varies)	Railroad Crossing & Adjacent 3-Way Intersection
	W10-4.DWG	(Varies)	Railroad Crossing & Side Street Intersection
	W11-1.DWG	(Varies)	Bicycle Area
	W11-2.DWG	(Varies)	Pedestrian Crossing

	W11-3.DWG	(Varies)	Deer Area
	W11-7.DWG	(Varies)	Horseback Riding Area
	W11-9.DWG	(Varies)	Handicapped Zone
	W11A-2.DWG	(Varies)	Pedestrian Crossing (Crosswalk)
	W12-1.DWG	(Varies)	Road Divides
	W12-2.DWG	(Varies)	Vertical Clearance Sign
	W13-1.DWG	(Varies)	Speed Limit Sign
	W13-2.DWG	(Varies)	Speed Limit at Exit
	W13-3.DWG	(Varies)	Speed Limit on Ramp
	W14-1.DWG	(Varies)	“Dead End” Sign
	W14-2.DWG	(Varies)	“No Outlet” Sign
	W14-3.DWG	(Varies)	“No Passing Zone” Sign
	W20-1.DWG	(Varies)	“Road Work” Sign with Input Field

	W20-2.DWG	(Varies)	“Detour” Sign with Input Field
	W20-3.DWG	(Varies)	“Road Closed” Sign with Input Field
	W20-4.DWG	(Varies)	“One Lane Road” Sign with Input Field
	W20-5aL.dwg	(Varies)	“Left Two Lanes Closed” Sign with Input Field
	W20-5aR.dwg	(Varies)	“Right Two Lanes Closed” Sign with Input Field
	W20-5L.DWG	(Varies)	“Left Lane Closed” Sign with Input Field
	W20-5R.DWG	(Varies)	“Right Lane Closed” Sign with Input Field
	W20-7a.dwg	(Varies)	Flagger Ahead
	W21-1.DWG	(Varies)	“Workers” Sign
	W21-1a.dwg	(Varies)	Workers Ahead
	W21-4.DWG	(Varies)	“Road Work” Sign
	W21-5.DWG	(Varies)	“Shoulder Work” Sign
	W21-5a.dwg	(Varies)	“Right Shoulder Closed” Sign

	W21-5b.dwg	(Varies)	“Right Shoulder Closed” Sign with Input Field

6.24 Appendix I – Common Symbology

6.24.1 Graphic Scale Bars

Symbol	Block Name	Layer Name	Description
0 32 64 SCALE IN FEET	BS1_32in-1ft.dwg	D-ANNO-SYMB	Scale Bar 1/32”=1’-0”
0 16 32 SCALE IN FEET	BS1_16in-1ft.dwg	D-ANNO-SYMB	Scale Bar 1/16”=1’-0”
0 2 4 SCALE IN FEET	BS1_2in-1ft.dwg	D-ANNO-SYMB	Scale Bar ½”=1’-0”
0 4 8 SCALE IN FEET	BS1_4 in-1ft.dwg	D-ANNO-SYMB	Scale Bar ¼”=1’-0”
0 8 16 SCALE IN FEET	BS1_8in-1ft.dwg	D-ANNO-SYMB	Scale Bar 1/8”=1’-0”
0 6 12 SCALE IN FEET	BS3_16 in-1ft.dwg	D-ANNO-SYMB	Scale Bar 3/16”=1’-0”
0 12 24 SCALE IN FEET	BS3_32in-1ft.dwg	D-ANNO-SYMB	Scale Bar 3/32”=1’-0”
0 1 2 3 SCALE IN FEET	BS3_4in-1ft.dwg	D-ANNO-SYMB	Scale Bar ¾”=1’-0”
0 3 6 SCALE IN FEET	BS3_8in-1ft.dwg	D-ANNO-SYMB	Scale Bar 3/8”=1’-0”
0 .5 1 2 SCALE IN FEET	BS1-1_2in-1ft.dwg	D-ANNO-SYMB	Scale Bar 1-1/2”=1’-0”
0 1 2 SCALE IN FEET	BS1in-1ft.dwg	D-ANNO-SYMB	Scale Bar 1”=1’-0”
0 10 20 SCALE IN FEET	BS1in-10ft.dwg	D-ANNO-SYMB	Scale Bar 1”=10’-0”
0 100 200 SCALE IN FEET	BS1in-100ft.dwg	D-ANNO-SYMB	Scale Bar 1”=100’-0”
0 200 400 SCALE IN FEET	BS1in-20ft.dwg	D-ANNO-SYMB	Scale Bar 1”=20’-0”
0 200 400 SCALE IN FEET	BS1in-200ft.dwg	D-ANNO-SYMB	Scale Bar 1”=200’-0”
0 25 50 SCALE IN FEET	BS1in-25ft.dwg	D-ANNO-SYMB	Scale Bar 1”=25’-0”
0 .25 .5 1 SCALE IN FEET	BS3in-1ft.dwg	D-ANNO-SYMB	Scale Bar – 3”=1’-0”
0 30 60 SCALE IN FEET	BS1in-30ft.dwg	D-ANNO-SYMB	Scale Bar 1”=30’-0”
0 40 80 SCALE IN FEET	BS1in-40ft.dwg	D-ANNO-SYMB	Scale Bar 1”=40’-0”
0 400 800 SCALE IN FEET	BS1in-400ft.dwg	D-ANNO-SYMB	Scale Bar 1”=400’-0”
0 5 10 SCALE IN FEET	BS1in-5ft.dwg	D-ANNO-SYMB	Scale Bar 1”=5’-0”
0 50 100 SCALE IN FEET	BS1in-50ft.dwg	D-ANNO-SYMB	Scale Bar 1”=50’-0”
0 500 1000 SCALE IN FEET	BS1in-500ft.dwg	D-ANNO-SYMB	Scale Bar 1”=500’-0”
0 60 120 SCALE IN FEET	BS1in-60ft.dwg	D-ANNO-SYMB	Scale Bar 1”=60’-0”
0 1 2 3 SCALE IN INCHES	BSFULL.dwg	D-ANNO-SYMB	Scale Bar 1”=1”

The letter “D” under the Layer Name is to be replaced by the specific Discipline’s Discipline Code.

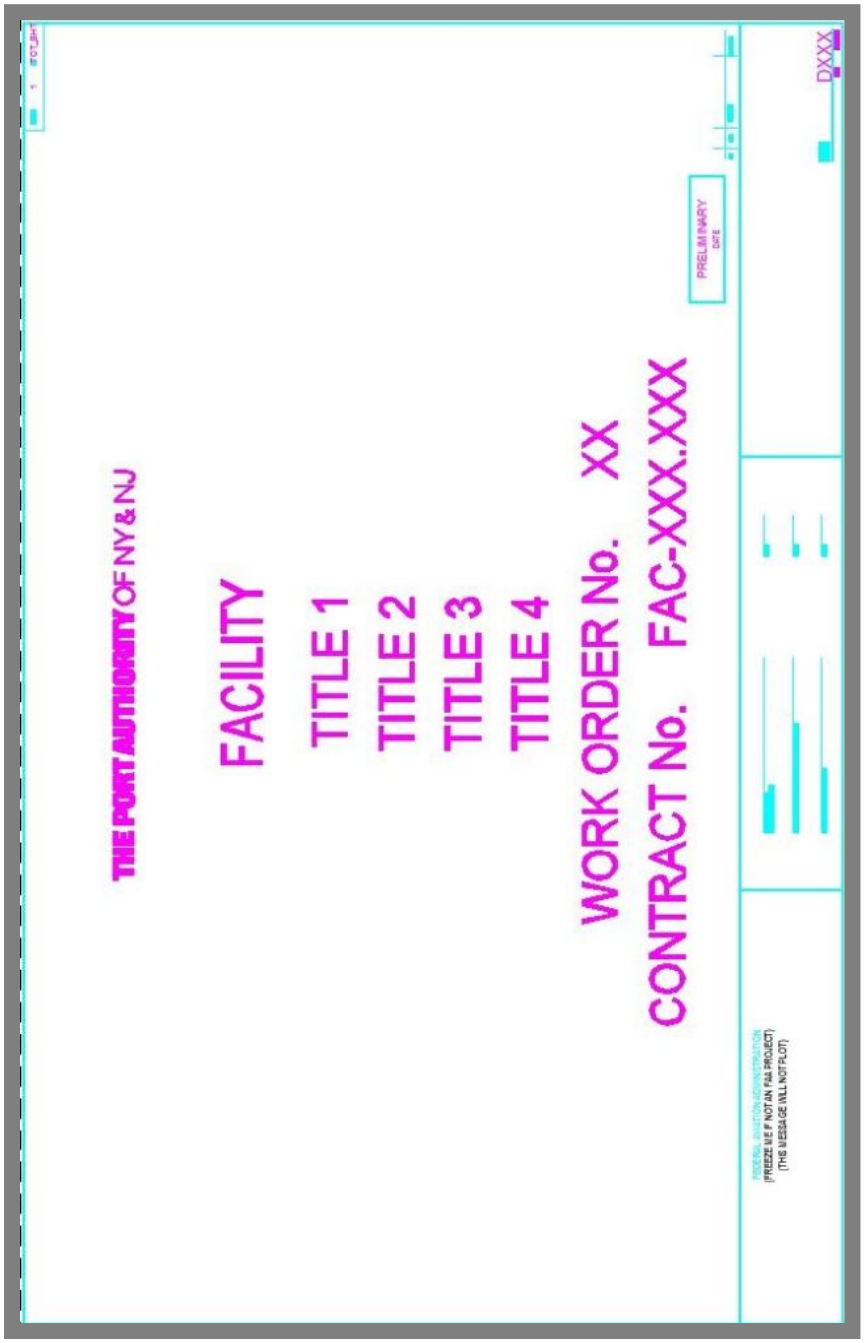
6.24.2 North Arrows

Symbol	Block Name	Layer Name	Description
	N_ARROW1.dwg	D-ANNO-SYMB	North Arrow
	N_ARROW2.dwg	D-ANNO-SYMB	North Arrow

The letter “D” under the Layer Name is to be replaced by the specific Discipline’s Discipline Code.

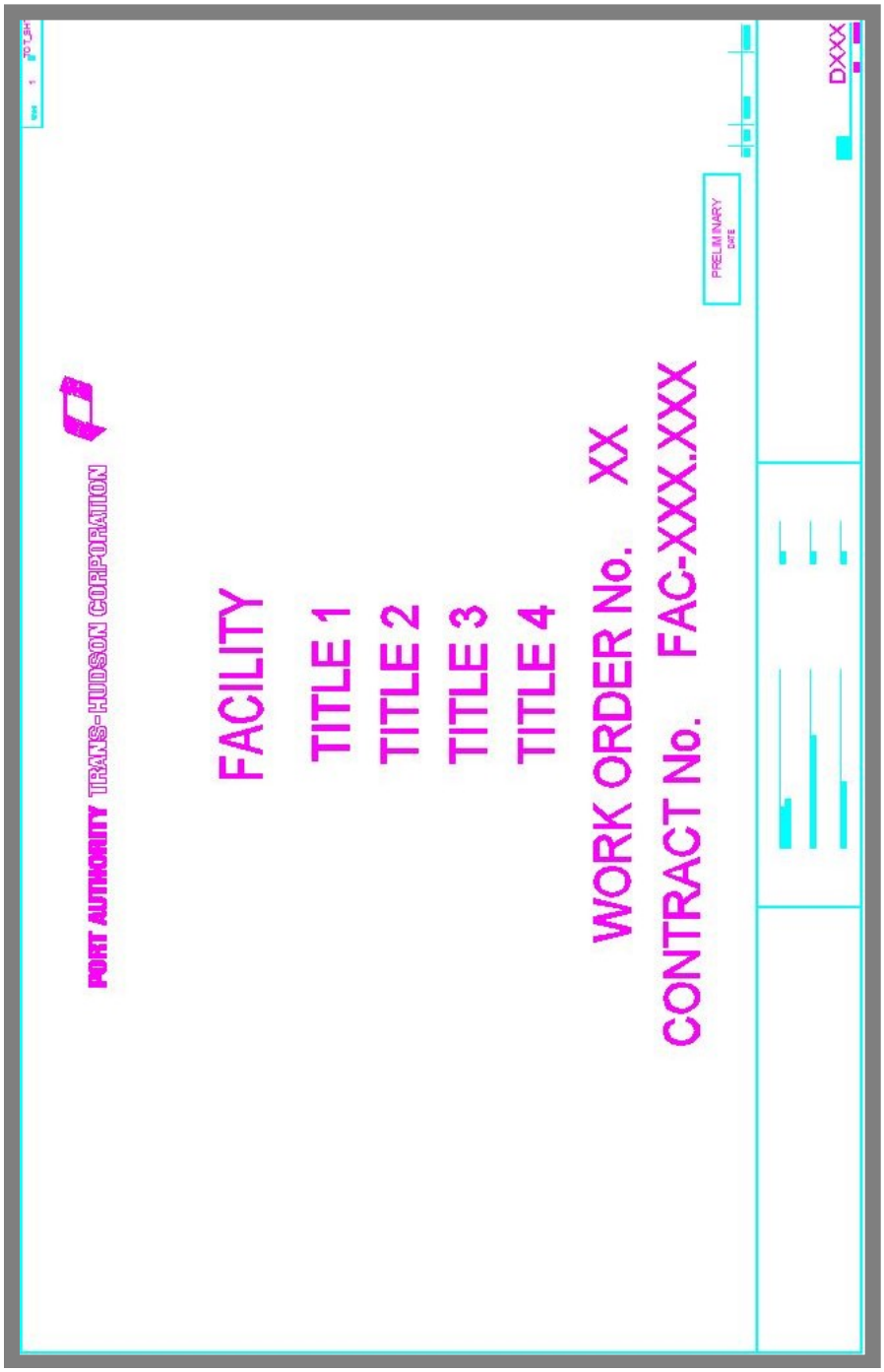
6.25 Appendix J – Contract Borders and Title Sheets

6.25.1 Title Sheet

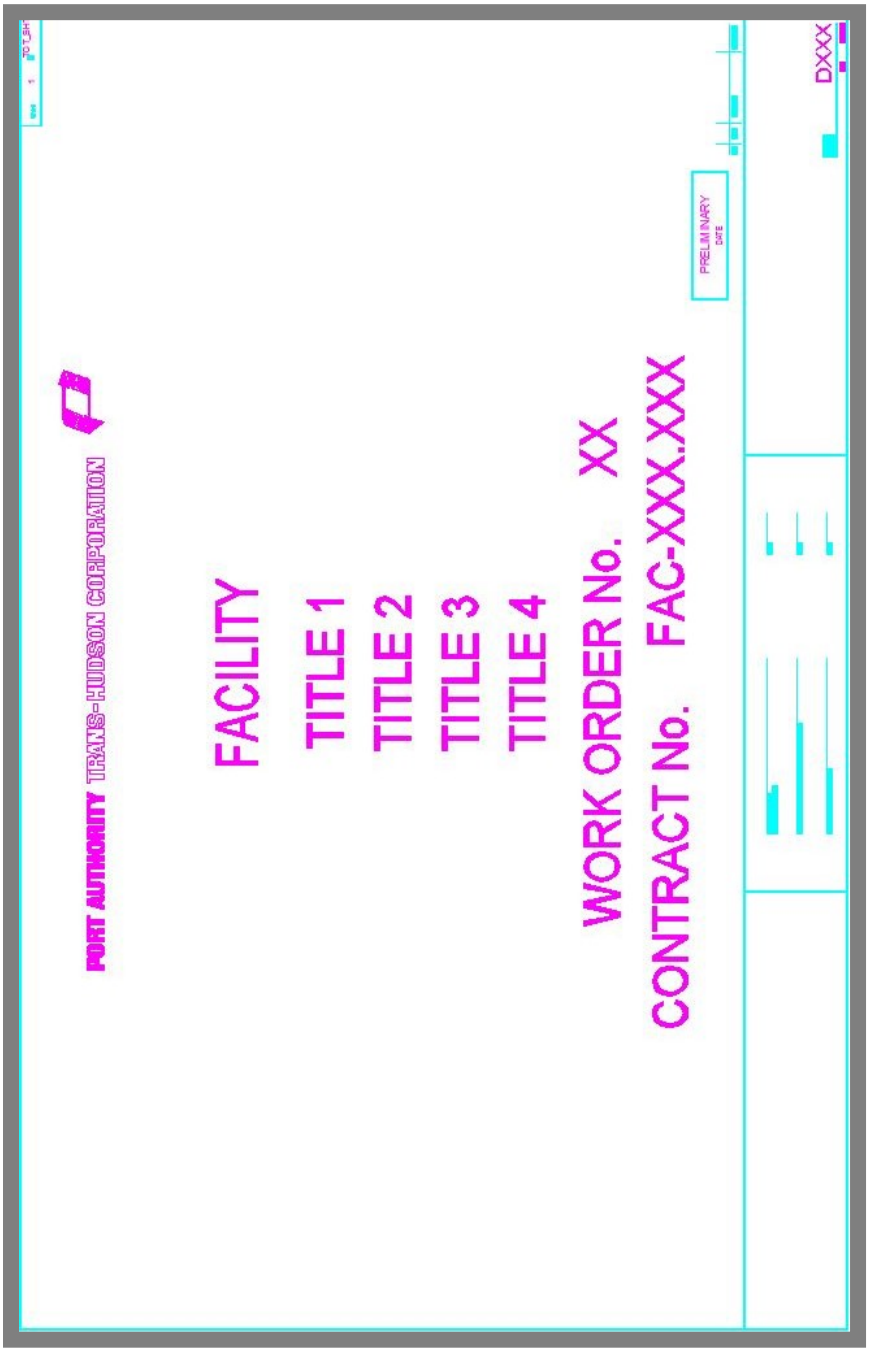


6.25.2 Title Sheet Oversized (OS)

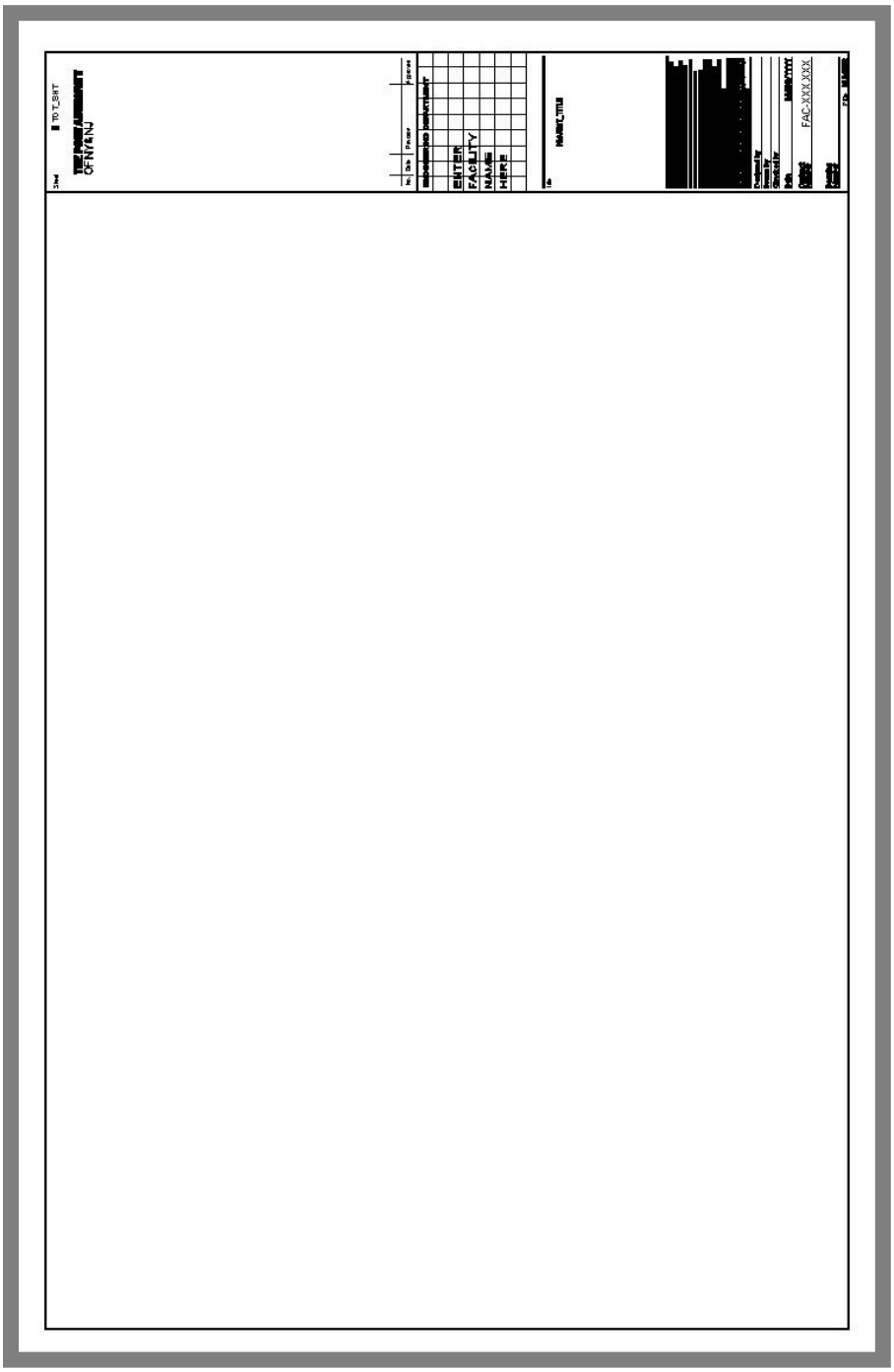
6.25.3 Title Sheet PATH



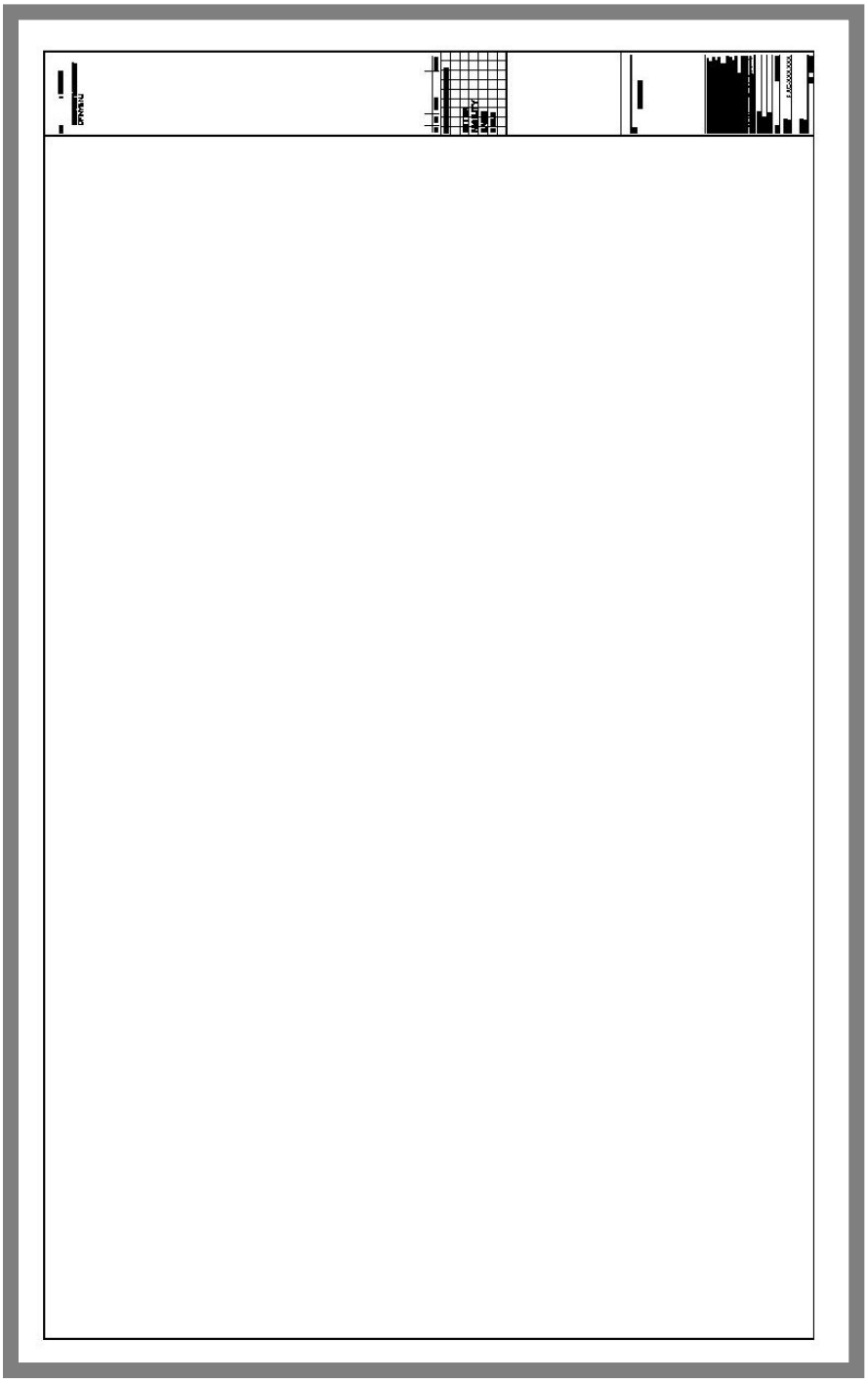
6.25.4 Title Sheet PATH Oversized (OS)



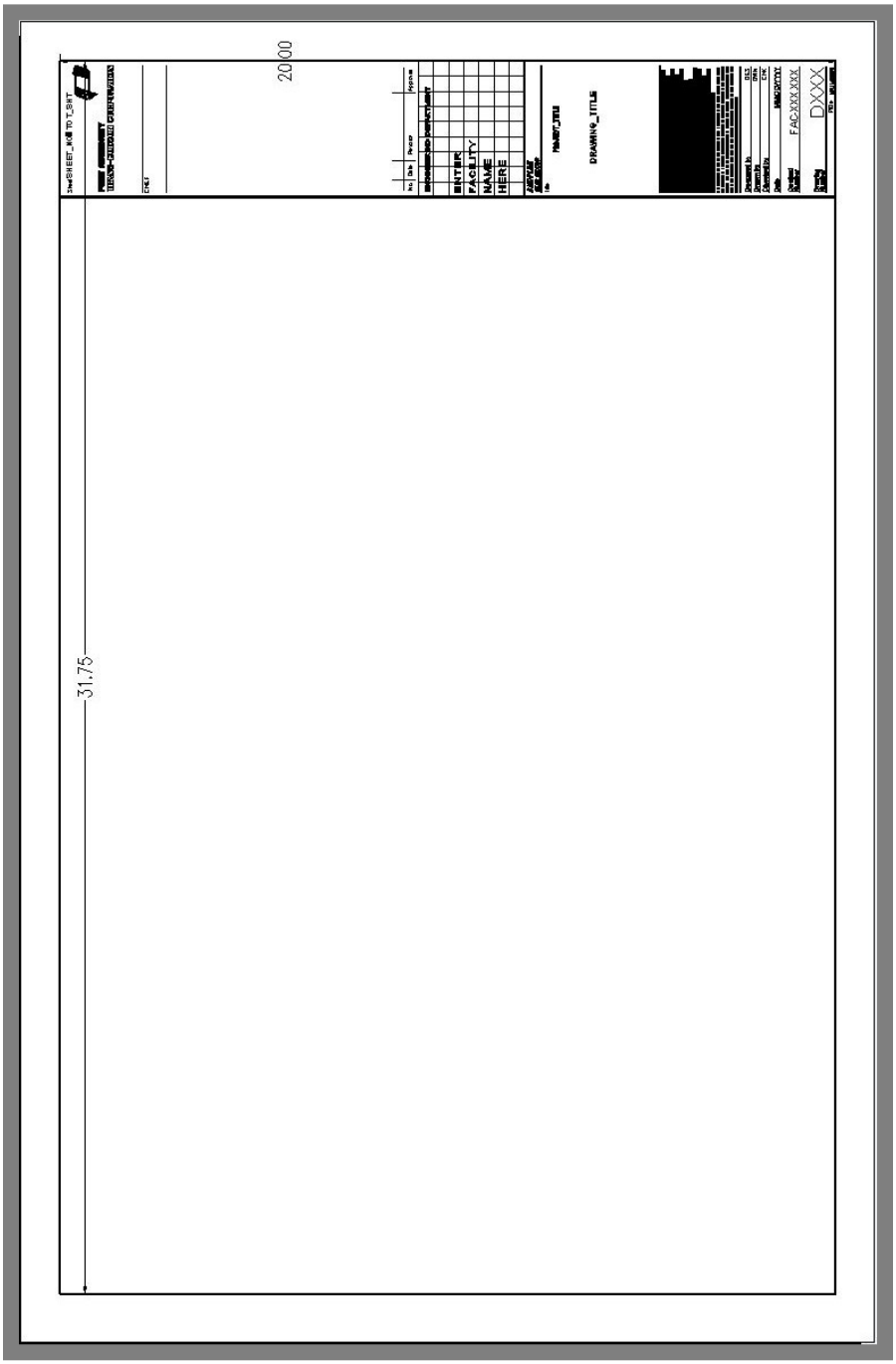
6.25.5 Contract Border



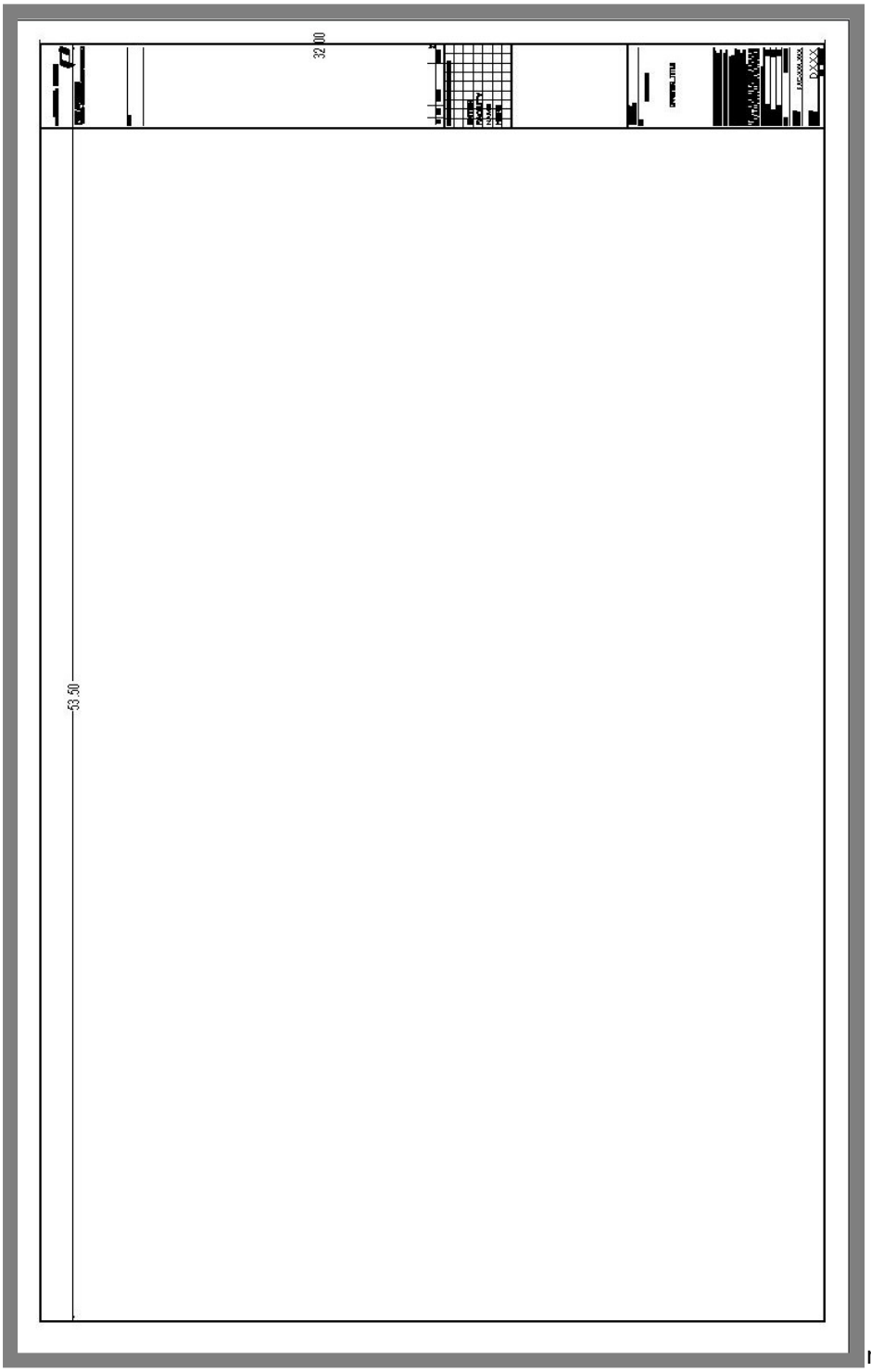
6.25.6 Contract Border Oversized (OS)



6.25.7 Contract Border PATH



6.25.8 Contract Border PATH Oversized (OS)



mba

6.26 Appendix K – Using Standard Forms on EOL (Internal Use Only)

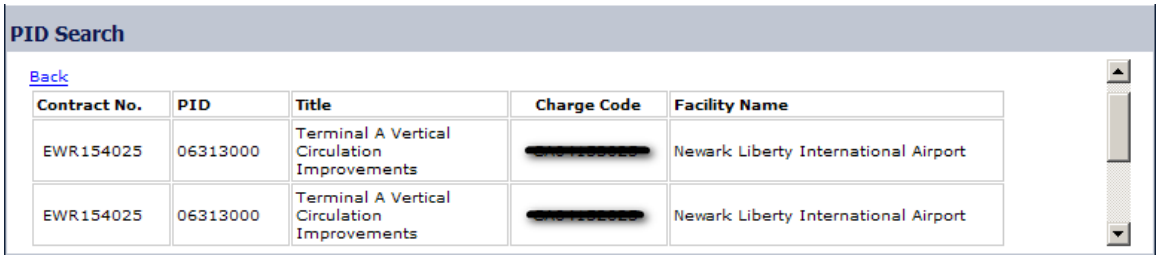
6.26.1 PID Search

The PID Search can be used to find additional information pertaining to a project such as the Contract Number, PID, Title, Charge Code(s) and Facility name by searching based on either the PID, Contract Number or Project Title.

To use this form:

1. Pick the appropriate category that you want to search for, the options are PID, Contract Number or Title.
2. Type in the appropriate search information based on the category you are searching in.
3. Select Submit

Once the query is finished a list of all projects matching your criteria will be displayed with the following information Contract Number, PID, Title, Charge Code and Facility Name.



Contract No.	PID	Title	Charge Code	Facility Name
EWR154025	06313000	Terminal A Vertical Circulation Improvements	[redacted]	Newark Liberty International Airport
EWR154025	06313000	Terminal A Vertical Circulation Improvements	[redacted]	Newark Liberty International Airport

6.26.2 Request Project Archival

This form is used to request that a project be archived from the Project "M:" drive to the Archive "N:" drive in order to preserve a contract sets files at a particular milestone. Please ensure that all disciplines involved place the appropriate folders within the appropriate Submittals folder for their discipline prior to requesting the Project Archival.

Request for Project Archival
This form can be used by the LEA and Task Leader

Date Requested:	4/23/2014	Requested By:	
Email:		Discipline:	
Upload to Livelink? ☐ Yes			
Stage:		Type:	Number:
Facility :	AMT	PID:	
Folder Path:	M:/		

Please ensure that every discipline involved in the project has placed their MODEL, PLOTSHEETS and PUBLISH folders within their own discipline SUBMITTALS folder so we can archive the project.

Disciplines			
☐	Architecture	☐	Geotechnical
☐	Civil	☐	Mechanical
☐	Electrical	☐	Structural
☐	Environmental	☐	Traffic

Submit

To use this form:

1. **Requested By**: Either the LEA or the Task Leader may request for an Archival.
2. **Email:** It is mandatory that you supply a valid email address to receive a confirmation of your request. This email will also be used to notify you as soon as the request has been processed.
3. **Discipline:** Pick which Discipline you belong to.
4. **Upload to Livelink:** Check this box if you would like files uploaded to a project website on Livelink.
5. **Stage:** Enter what stage the project is in, I, II, III or IV.
6. **Type:** Enter the type of submittal this is, PA Review, As-Advertised, 50% Submittal, etc
7. **Number:** Fill this out only if your project is either a PACC or an Addendum.
8. **Facility:** Enter the facility the project is for.
9. **PID:** Enter the PID of the project
10. **Folder Path:** Provide the path to the folder that needs to be archived.
11. **Disciplines:** Check all the disciplines involved in this project. This will ensure that all the involved disciplines' folders are archived.

6.26.3 Request Project CAD Drawings

This Section Currently Under Construction

6.26.4 Request for Mandatory CAD Review

Request for Mandatory (Interim & PA Wide Review) **CAD Review**

ONLY the LEA can request for an Official CAD Review

Date Requested:	2/25/2010	Type of Review:	Interim
LEA:		Discipline:	
Email Address:		Facility:	AMT
Charge Code:		PID:	
Pre-Mylar Date:		Contract Engineer:	
Folder Path:	M:/		

Please ensure that every discipline involved in the project has placed their MODEL, PLOTSHEETS and PUBLISH folders within their own discipline SUBMITTALS folder so we can archive the project.

Discipline	Task Leader	Consultant Name
☐ Architecture		
☐ Arch - Landscape		
☐ Civil		
☐ Electrical		
☐ Elec - Corrosion Protection		
☐ Elec - Electronics		
☐ Environmental		
☐ Geotechnical		
☐ Mechanical		
☐ Mech - Fire-Protection		
☐ Mech - Plumbing		
☐ Structural		
☐ Traffic		

Submit

1. **Type of Review:** Pick the type of Review (Interim or PA Wide Review)
2. **LEA**: Only the LEA may request for a Mandatory CAD Review. It is important to provide the name of the LEA for the results of the CAD Review.
3. **Email:** It is mandatory that you provide a valid email address to receive a confirmation of your request. This email will also be used to notify you as soon as the request has been processed.
4. **Discipline:** Enter the discipline that the LEA belongs to.
5. **Facility Name:** Enter the facility the project is for.
6. **Charge Code:** Enter the Charge Code to be used by the CAD Support Group for CAD Standards Review.
7. **PID:** Enter the PID of the project.
8. **Pre-mylar Date:** Provide the Pre-mylar date of the project.
9. **Contract Engineer:** Provide the name of the Contract Engineer that is to be notified once the DWF files have been uploaded to Livelink for PA Wide Review.
10. **Disciplines/Taskleaders/Consultant name:** Check all the disciplines involved in this project. This will ensure that all the involved disciplines' drawings are reviewed. Please ensure that all disciplines place their drawings in their appropriate submittal folders. It is important that the names of the Task leaders are provided in order to provide them with the results of the CAD Standards review. If a consultant has prepared the drawings for a particular discipline the consultant company name must also be provided because the requirements of CAD Standards compliance are slightly different for consultants.

6.26.5 Request for Non-Mandatory CAD Review

Request for Non-Mandatory CAD Review

This form can be used by the LEA or TaskLeader only

Date Requested:	2/25/2010		
Requested By:		LEA :	
Email Address:		Discipline:	
Stage: I	Type: 25%	Number:	
Facility :	AMT	PID:	
Charge Code:			
Folder Path:	M:/		

Do you want us to upload the Project into Livelink? ☐

Please ensure that every discipline involved in the project has placed their MODEL, PLOTSHEETS and PUBLISH folders within their own discipline SUBMITTALS folder so we can archive the project.

Discipline	TaskLeader	Consultant Name
☐ Architecture		
☐ Arch - Landscape		
☐ Civil		
☐ Electrical		
☐ Elec - Corrosion Protection		
☐ Elec - Electronics		
☐ Elec - Corrosion Protection		
☐ Environmental		
☐ Geotechnical		
☐ Mechanical		
☐ Mech - Fire-Protection		
☐ Mech - Plumbing		
☐ Structural		
☐ Traffic		

Submit

1. **Requested By:** Either the LEA or Task Leader may request for a Non-Mandatory CAD Review.
2. **LEA:** It is important to provide the name of the LEA for the results of the CAD Review.
3. **Email:** It is mandatory that you provide a valid email address to receive a confirmation of your request. This email will also be used to notify you as soon as the request has been processed.
4. **Discipline:** Enter the discipline that the requestor belongs to.
5. **Stage:** Enter what stage the project is in, I, II, III or IV.
6. **Type:** Enter the type of submittal this is, PA Review, As-Advertised, 50% Submittal, etc
7. **Number:** Fill this out only if your project is either a PACC or an Addendum.
8. **Facility:** Enter the facility the project is for.
9. **PID:** Enter the PID of the project
10. **Charge Code:** Enter the Charge Code to be used by the CAD Support Group for CAD Standards Review.
11. **Folder Path:** Provide the path to the folder that needs to be reviewed.
12. **Upload to Livelink:** Check this box if you would like files uploaded to a project website on Livelink.
13. **Disciplines/Taskleaders/Consultant name:** Check all the disciplines involved in this project. This will ensure that all the involved disciplines' drawings are reviewed. Please ensure that all disciplines place their drawings in their appropriate submittal folders. It is important that the names of the Task leaders are provided in order to provide them with the results of the CAD Standards review. If a consultant has prepared the drawings for a particular discipline the consultant company name must also be provided because the requirements of CAD Standards compliance are slightly different for consultants.

6.26.6 Request for Mandatory Work Order CAD Review

Request for Mandatory WorkOrder CAD Review

ONLY the LEA can request for an Official CAD Review

Date Requested: 2/25/2010

Requested By / LEA: | Discipline:

Email Address:

Charge Code: | PID:

Facility : AMT

Folder Path:
M:/

Please ensure that every discipline involved in the project has placed their MODEL, PLOTSHEETS and PUBLISH folders within their own discipline SUBMITTALS folder so we can archive the project.

Discipline	Task Leader	Consultant Name
☐ Architecture		
☐ Arch - Landscape		
☐ Civil		
☐ Electrical		
☐ Elec - Corrosion Protection		
☐ Elec - Electronics		
☐ Environmental		
☐ Geotechnical		
☐ Mechanical		
☐ Mech - Fire-Protection		
☐ Mech - Plumbing		
☐ Structural		
☐ Traffic		

Submit

1. **LEA**: Only the LEA may request for a Work Order CAD Review. It is important to provide the name of the LEA for the results of the CAD Review.
2. **Email:** It is mandatory that you provide a valid email address to receive a confirmation of your request. This email will also be used to notify you as soon as the request has been processed.
3. **Discipline:** Enter the discipline that the LEA belongs to.
4. **Charge Code:** Enter the Charge Code to be used by the CAD Support Group for CAD Standards Review.
5. **PID:** Enter the PID of the project.
6. **Facility Name:** Enter the facility the project is for.

12. **Folder Path:** Provide the path to the folder that needs to be reviewed.

14. **Disciplines/Taskleaders/Consultant name:** Check all the disciplines involved in this project. This will ensure that all the involved disciplines' drawings are reviewed. Please ensure that all disciplines place their drawings in their appropriate submittal folders. It is important that the names of the Task leaders are provided in order to provide them with the results of the CAD Standards review. If a consultant has prepared the drawings for a particular discipline the consultant company name must also be provided because the requirements of CAD Standards compliance are slightly different for consultants.

6.26.7 Request Project Folder Structure

Date Requested *	4/23/2014
Requested By: *	
Email:	
PID:	
Facility Name: *	AMT
Project Name: *	
Contract Number: *	
Charge Code:	
Project Manager:	
LEA: *	
Confidential and Privileged Project:	No

Discipline Folder	Names of People that should have access to the CP folder.
Architectural	
Civil	
Electrical	
Environmental	
Geotechnical	
Mechanical	
Structural	
Traffic	

Submit

1. **Requested By:** Person requesting the creation of the folder structure
2. **Email:** It is mandatory that you provide a valid email address to receive a confirmation of your request. This email will also be used to notify you as soon as the request has been processed
3. **PID:** Enter the PID of the project
4. **Facility Name:** Enter the facility the project is for
5. **Project Name:** Complete title of the project
6. **Contract Number:** Enter the Contract Number
7. **Charge Code:** Enter the Charge Code to be used by the CAD Support Group for CAD Standards Review.
8. **Project Manager:** Enter the name of the Project Manager.
9. **LEA:** Name of the LEA
10. **Confidential Privileged Project:** Specify if it is a Confidential Privileged project or not
11. **Names of People that should have access to the CP folder:** If this is a Confidential Privileged project, the person requesting for the folder structure must specify the names of the people who should be granted access to the CP folder.

6.27 Appendix L – Request to Change Standard

Engineering CAD/BIM Support Group

THE PORT AUTHORITY OF NY & NJ

E/A Design Division CAD Standards

DISCLAIMER

By making this submission you, the submitter, agrees that no contractual confidential relationship is established between you and the issuer of this Standard. If your material is incorporated into this Standard, you will not be compensated. In addition, if the material which you have submitted on this form is protected by any copyright, patent, trademark, or other proprietary right, then you are granting the issuer of this Standard a non-exclusive, royalty-free, perpetual and fully transferable license to use the materials in connection with this Standard.

SUBMITTER INFORMATION

Name	
Date	
Company	
Address	
Address	
City, State, ZIP	
Phone	
Email	

APPROVED BY

Architectural	
Civil	
Electrical	
Environmental	
Geotechnical	
Mechanical	
Structural	
Traffic	
CAD Support	

CAD STANDARD INFORMATION

Version of Standard to Update

CHANGE INFORMATION

Section to be Changed: Appendices

Change Type: Edit

Change Description

APPROVAL / DENIAL INFORMATION

6.28 Appendix M - Changes to the Standards

First Quarter

Changed **fonts** noted for each of the four Standard Text Styles permitted for use by disciplines from Arial Narrow to Arial.	p. 36	PA - EAD_CAD Standard Manual.pdf
Changed the legal text on the Contract Borders to reflect the new addresses for both the Director of Procurement and the Contract Desk.		All_Disciplines\Contract_Borders
Removed section 6.5.4 covering Land Desktop, updated corresponding references and Table numbers in section.	pp. 12, 15, 17	PA - EAD_CAD Standard Manual.pdf
Updated Symbols (Updated **fonts** in Symbol Texts from Arial Narrow to Arial)		Discipline\Symbols
Updated Templates (Updated **fonts** used in Standard Text Styles from Arial Narrow to Arial)		All_Disciplines\Template

Second Quarter

Updated names of Parts in Pipe Networks Pipe Catalog.		Civil\Pipes Catalog\PA-Pipes, PA-Structures
Changed width factor for Revision and Date text from 0.5714 to 0.8143. Date and Revision were said to be illegible.		Drawing_Info - Stamp_Revision.dwg
Removed errant linework from Contract Borders		Contract_Border.dwg Contract_Border - PATH.dwg Contract_Border - OS.dwg Contract_Border - PATH - OS.dwg
Corrections to images & descriptions shown for File Alarm symbol images and descriptions.	pp. 167-171	PA - EAD_CAD Standard Manual.pdf
Added Certificate of Authorization Line to NY and NJ&NJ Professional Signature stamps.		Professional Signature Stamps Ex. Drawing_Info - Stamp_NJ&NY PE (two consultants).dwg

Changed phrase "Complete Revisions" in section 6.10.2.6 to "Additions" (of drawings), and revised wording in description for Additions.	pp. 48-49	PA - EAD_CAD Standard Manual.pdf
Changed section 6.6.8 to reference p.10 and indicate the availability of discipline-specific standardized templates.	p. 36	PA - EAD_CAD Standard Manual.pdf

Third and Fourth Quarter

Added paragraph explicitly requiring use of Graphic Scales (although this is common sense, there's nothing that says we require their use) and explaining their importance (under Section 6.10.2 - Plan Set Plotsheets)	p. 45	PA - EAD_CAD Standard Manual.pdf
Changed the 3rd line in all the titlesheets to Chief Engineer/Director.		Title_Sheet.dwg Title_Sheet - OS.dwg Title_Sheet - PATH.dwg Title_Sheet - PATH - OS.dwg
Changed the Chief Engineer line to read "Chief Engineer/Director" on Title Sheets		Title_Sheet.dwg Title_Sheet - OS.dwg Title_Sheet - PATH.dwg Title_Sheet - PATH - OS.dwg PA - EAD_CAD Standard Manual.pdf
Clarified section on revision cloud usage for new sheets.	p. 50	PA - EAD_CAD Standard Manual.pdf
Placed Pressure Pipes, Fittings, and Appurtenance Object Layers on appropriate water layers.		All_Disciplines\Template\ PA - Civil-C3D.dwt

Updated all the Contract Borders to reflect the new address for Contract Desk		Contract_Border - PATH - OS.dwg Contract_Border - PATH.dwg Contract_Border - OS.dwg Contract_Border - Amtrak.dwg Contract_Border.dwg PA - EAD_CAD Standard Manual.pdf