NEW JERSEY TURNPIKE AUTHORITY

New Jersey Turnpike and Garden State Parkway Roadways

CADD STANDARDS MANUAL

February 18, 2022

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INTRODUCTION

The New Jersey Turnpike Authority (NJTA) is providing this manual to support the efforts of Design Consultants and the Authority's in-house CADD division regarding project development and delivery. It is the intention of the NJTA to establish and maintain updated standard procedures and guidelines for the electronic production of contract documents using current computer aided design and drafting (CADD) processes amongst in-house staff and those Design Consultants working on Authority projects.

This manual will focus on the information necessary to assure the consistency of the CADD deliverable product in conjunction with the current NJTA Procedures and Design Manuals.

The following Sections of the manual will cover most areas of CADD file development and the information to be provided to the Authority by any Consultant engaged in New Jersey Turnpike and Garden State Parkway roadway projects. It is the Consultants' responsibility to familiarize themselves with the requirements of this document, the NJTA Standard Drawings, the NJTA Design Manual and the NJTA Procedures Manual. Should the information delivered not meet the Authority's requirements, the Consultant will be directed to make the necessary changes without additional compensation.

GENERAL STANDARDS 1

1.1 TECHNICAL POINT OF CONTACT

This manual has been established to present applicable standards and guidelines for the preparation of all contract plans for the New Jersey Turnpike Authority, utilizing Computer Aided Design and Drafting (CADD) software, hardware and methods. Inquiries regarding the contents of this document should be directed to Bob Rosenbaum of the Engineering Department at (732) 750-5300 / Ext. 8223. The current Internet mailing address is rosenbaum@turnpike.state.nj.us. Assistance will be limited to the practical implementation of the material provided herein. Any questions concerning specific CAD software issues should be directed to the Consultant's support staff or that of the particular software vendor.

1.2 CHANGES TO THE STANDARD

The New Jersey Turnpike Authority CADD guidelines are an evolving process. In general, changes and updates will occur as a result of revealed conditions not covered with the current material, general corrections or other influences regarding software and policy changes. As a result, it is reasonable to expect occasional updates to this document. Those who use this manual are cautioned to frequently check for official revised versions of this document via the Authority's website at http://www.state.nj.us/turnpike/professional-services.html located in the "Engineering Guides and Information" section of the page or through the Project Manager. This manual will be distributed in PDF format with the latest revision date indicated on the cover page to reflect changes to be incorporated as of that date. Normally, unless limited by contract language or directed otherwise on a project specific basis, the changes are to be implemented immediately by the Consultant.

1.3 PLATFORMS

The New Jersey Turnpike Authority currently utilizes the latest version of Bentley MicroStation available for all 2D drawing/design files associated with all contract deliverables. Accordingly, the standards presented herein are oriented to the latest version of MicroStation used by designers. Currently available resource files in support of these standards are being made available through the Authority's website as listed in following sections. AutoCAD users are expected to apply the same standards for project plan development but will not be provided AutoCAD specific versions of the resource files at this time. If the designer chooses to utilize AutoCAD instead of MicroStation, they will be responsible and held accountable to match the requirements of this Standard accordingly. Again, it is the Consultant's responsibility to ensure that any files delivered to the Project Manager and the NJTA are compatible with the latest version utilized by the Authority. Older file formats from V7 and earlier versions of MicroStation, or AutoCAD DWG file

formats, will no longer be accepted by the Authority for roadway projects.

It is understood that various roadway design packages are available and in use by design consultants. The NJTA currently does not utilize or require specific software for the purpose of design on Authority projects as a supplement to MicroStation. All design projects should consider the latest Bentley software available as the primary tool utilized to generate roadway design elements as components of the electronic plan production environment. The resulting alignment (ALG) and surface (DTM) data files will be a required component of the files delivered to the NJTA. Since the file formats for surfaces, geometry, templates, etc. vary between versions, the supporting files to be provided as part of the deliverable package shall be saved to the latest Bentley version for consistency reasons. Since more current versions of Bentley software work with either AutoCAD or MicroStation, the supporting DTM and ALG files can be saved to a compatible version with disregard of the CAD platform. It will be the Consultant's responsibility to insure the data submitted is representative of the project final design without any need for conversion by NJTA personnel.

1.4 ADHERENCE TO THE GUIDELINE

The Consultant is required to meet the requirements of any applicable sections of this Standard as appropriate to the project scope or in accordance with the contract language for the project. Engineering firms that perform work on any design/build projects for the Authority are therefore expected to comply with these standards as a specification of the contract deliverables regarding CADD work.

1.5 REFERENCE MATERIAL

General drafting standards and plan preparation not typically covered by this manual are presented in the Authority's documentation entitled "NJTA Procedures Manual" and "NJTA Design Manual" for guidance to the Consultant. The "NJTA Sample Design Plans" are also provided for added guidance in preparation of project plan submittals. These documents are made available on the NJTA web site at http://www.state.nj.us/turnpike/professional-services.html under the "Engineering Guides and Information" section of the page.

1.6 GRAPHIC CONCEPTS

Project CADD files shall be set up using a system of base reference files and individual plan sheet files that will compose the overall construction plan documents. The base plans will consist of the various supporting discipline drawings indicated in Section 3 of this manual. Base files shall contain the basic topographic information of a project, as well as all other information which is pertinent to, or resulting from, the design process. An individual file shall contain all the relevant elements for a specific genre covering the full limits of the

project (i.e. property lines, existing topography, baselines, utilities, proposed design features, etc) which can be referenced to the sheet files for final plan assembly. The sheet files will provide the plotting source for each plan by utilizing standard referencing techniques to compile the base plans, border file and/or other ancillary files as needed. All sheet and base files shall be created using a two dimensional (2D) working model space. Also, since the standard DGN file now supports more than one model or sheet layout within the same file, only one model space, the original default drawing area, is to be used within any base or sheet file to reduce complexity.

In addition to file referencing to control drawing content, CADD files can now contain any number of levels for placing drawn elements as opposed to a prior limitation of only 63 levels in earlier file versions of MicroStation. This allows graphic elements to be easily separated by level for further control of the display and updating of multiple drawings in the document set. Accordingly, all topographic and planimetric design elements generated within a typical sheet or base file shall be isolated on specific levels depending on the particular file use and corresponding level scheme as listed in following sections of this manual. Level names take precedence over level numbers therefore all levels must have an appropriate name applied in accordance to the naming scheme outlined in the "Standard Level Naming Conventions" guide contained in Section 3. MicroStation *DGNLIB* and/or CSV resource files will be provided as the initial source of standard level names for easier project drawing setup.

In general, the following guidelines shall also be applied to project CADD files as a matter of practice:

1. The drawing area beyond the limits of the standard border outline shall be free of any extraneous information or elements in the contract plan sheet files. Similarly, all reference base files shall contain only applicable design elements without irrelevant data placed in the working model space.

2. Nesting of reference files will not be accepted. Any file elements necessary to the compilation of a drawing will be referenced directly to the sheet file instead of indirectly attached through another reference file. All reference files need to be properly named according to the naming convention outlined in Section 2.3. All files shall load automatically into each plan sheet file and be independent of any directory path assignments or work space environments.

3. All files shall be compressed through MicroStation to eliminate unused non-vector data embedded in the file to reduce file size.

4. Sheet files will have the view rotation saved to the border landscape orientation. Plan base files will have no view rotation applied, with North pointing directly up, at the time of final deliverable submission.

5. The Fill, Level Symbology, Line Styles, Line Weights, Patterns, Tags, Text and

Dimensions *View Attributes* shall be toggled ON while the Constructions and Grid *View Attributes* are toggled OFF as normal saved settings.

6. Any exclusive or special fonts shall NOT be used in the annotation of project files unless expressly directed or approved by the Project Manager and the NJTA.

7. If converting from another CADD software application, the resulting DGN or SHT files shall be checked for consistency as to match the hard copy output of the contract plans. This includes checking compatibility of all text fonts, symbols, linetypes, etc., or other entities particular to a specific application. No additional files (fonts, linestyle definitions, etc.) should be required in order for NJTA personnel to reproduce the plan files submitted for final design. Any issues or concerns regarding these aspects of the electronic documents shall be worked out or agreed to during the phased submission process.

1.7 GRAPHIC STANDARDS

The fundamental goal of CADD is the electronic preparation of plans that graphically reflect conventional drafting standards as depicted in the NJTA standard drawings while providing the benefit of reusable and exchangeable digital design data. This data assists beyond the design process in the construction cycle and eventually as part of asset management systems for ongoing maintenance. To this end, the following is intended as direction for the production of drawn elements so as to maintain the required appearance of the output to typical paper and mylar media while establishing consistent formats for the electronic data that comprise those plans.

1.7.1 Plan Sheet Size

Unless otherwise specified through job specific contract language, the final plan sheet size shall be 36” x 22” in accordance with NJTA project requirements. An example of the standard project border and sheet layout is exhibited in Section 6 of the NJTA Procedures Manual.

1.7.2 Working Units

The accepted working units for all drawing files will be *survey feet* and *inches*. Working units within the design file settings of all reference and sheet files shall be as follows:

Master Unit:	SURVEY FEET	Label:	SF
Sub Unit:	INCHES	Label:	IN

Resolution: 3048 *per* SURVEY FOOT

The Label symbols indicated may be considered negligible but are set to these values to clarify the unit of measurement as a survey foot versus the standard foot (international) within the latest version of MicroStation. The standard functions of dimensioning and text labeling that have direct association to the working units can utilize alternate settings in the coordinate readout and text/dimension styles to display the typical symbols of ' (instead of SF) and " (instead of IN) where needed. The resolution no longer establishes the accuracy of the file but provides a backward compatible value to pre-V8 file formats internal to MicroStation. This value has been established by NJTA as shown to maintain consistency with prior and ongoing project standards.

It is important that the Consultant understand the fact that SURVEY FEET does not represent the current FEET (International) definition of 1' = 0.3048 meters as officially established by the National Bureau of Standards (now N.I.S.T.). This can have an impact if and where older files or other supplied files, having FEET as working units or as the basis of the survey work, are translated or referenced without consideration of the original methodology. These issues must be understood to avoid possible errors with element placement or representation via referencing when utilized on any project.

1.7.3 Scales

All drawings shall be developed to true dimensions (1:1) in the respective base reference files. No scale factor will be associated with topographic and design elements generated in the DGN files other than text, dimensions, or support content that does not represent actual project features. The sheet files shall compose the final plotted product using scaling techniques of the various reference files within the border layout.

1.7.4 Coordinate System

The MicroStation DGN file now comprises an infinite world coordinate environment for creating design elements and therefore can display the project at true coordinates without having to define a localized global origin or design plane. The coordinate grid system utilized shall be reflective of the agreed survey methodology adopted for the project. In general, if world coordinates are used in the creation of coordinate geometry in the DGN files, the NJ State Plane Coordinate System, NAD 83 in survey feet shall be utilized with the NAVD 88 vertical datum to coincide with NJTA survey standards.

1.7.5 Text

Text size and placement shall be in accordance with NJTA drafting standards, as outlined in the Turnpike Authority's Procedures Manual or indicated herein, for uniform height and style throughout. These sizes are selected for the express purpose of proper readability on both full-size and half-size scaled plots and are derived from the original Leroy lettering sizes. All text on plan sheets shall consist of capital letters for standard call-outs and notations. The table below provides guidance to the sizing of text according to plan or detail scale.

LEROY SIZE	120	140	175	200	240	290	350	425	500
Plotted Text Height (in)	0.120	0.140	0.175	0.200	0.240	0.290	0.350	0.425	0.500
PLAN SCALE	TEXT HEIGHT PER PLAN SCALE (Inches)								
1/8" = 1'-0"	0.96	1.12	1.40	1.60	1.92	2.32	2.80	3.40	4.00
1/4" = 1'-0"	0.48	0.56	0.73	0.80	0.96	1.16	1.40	1.70	2.00
3/8" = 1'-0"	0.32	0.37	0.47	0.53	0.64	0.77	0.93	1.13	1.33
1/2" = 1'-0"	0.24	0.28	0.35	0.40	0.48	0.58	0.70	0.85	1.00
3/4" = 1'-0"	0.16	0.19	0.23	0.27	0.32	0.39	0.47	0.57	0.67
1" = 1'-0"	0.120	0.140	0.175	0.200	0.240	0.290	0.350	0.425	0.500
1½" = 1'-0"	0.08	0.09	0.12	0.13	0.16	0.19	0.23	0.28	0.33
3" = 1'-0"	0.04	0.05	0.06	0.07	0.08	0.10	0.12	0.14	0.17
1" = 10'	1.20	1.40	1.75	2.00	2.40	2.90	3.50	4.25	5.00
1" = 20'	2.40	2.80	3.500	4.00	4.80	5.80	7.00	8.500	10.00
1" = 30'	3.60	4.20	5.250	6.00	7.20	8.70	10.50	12.750	15.00
1" = 40'	4.80	5.60	7.000	8.00	9.60	11.60	14.00	17.000	20.00
1" = 50'	6.00	7.00	8.750	10.00	12.00	14.50	17.50	21.250	25.00
1" = 100'	12.00	14.00	17.50	20.00	24.00	29.00	35.00	42.50	50.00

1.7.6 Fonts

The N.J. Turnpike Authority is providing a font resource file for consultant use in the production of contract documents. The primary fonts supplied for plan annotation are found in the NJTA-FONT resource file. The consultant shall limit the fonts used to those contained within this file for continued consistency with current and future NJTA needs. All text annotation shall be placed on the applicable text level associated with the feature represented.

The following special characters are available in the fonts noted by typing the character code in the MicroStation text editor when inserting or modifying text.

CHARACTER CODE	*SYMBOL*	*DESCRIPTION*
\ 94	°	Degree
\ 192	±	Plus / Minus
\ 193	B	Baseline
\ 194	C	Centerline
\ 195	∅	Diameter
\ 196	Δ	Delta
\ 197	P	Property Line

1.7.7 Line Weights & Plotting Files

The use of line weights to produce the graphic image shall be in accordance with NJTA drafting standards. Generally, existing features are shown thinner than the proposed work for clarity. CAD elements shall have the respective weight defined "bylevel" whenever feasible for broader control through project level library assignments. Additional control of plot weights for referenced files will be handled using level override values (level symbology) to differentiate existing from proposed areas of the design. Plot drivers shall define the appearance of the paper or PDF output of the respective line weight by incorporating project specific line definitions within MicroStation plot (PLT) files geared to their system printers/plotters. It is understood that output can vary considerably amongst numerous devices because of differing manufacturer hardware capabilities, but incorporating standard line definitions provides a positive step to produce consistency. No third party software shall be required by the Project Manager or the NJTA to produce the final plotted output using files submitted by the consultant. A copy of the consultant pen tables and plot driver files shall be included with all CADD contract deliverables to ensure conformity of all hardcopy project deliverables. The following table is provided as a guide to the line and pen settings to be used in standardizing the plot output for project submissions.

LINE WEIGHT / PLOT VALUES				
MICROSTATION LINE WEIGHT ASSIGNMENT	FULL-SIZE PLOT		HALF-SIZE PLOT	
	WEIGHT STROKE	THICKNESS (mm)	WEIGHT STROKE	THICKNESS (mm)
0	1	0.025	0.5	0.013
1	7	0.175	4	0.088
2	14	0.350	7	0.175
3	21	0.525	11	0.263
4	28	0.700	14	0.350
5	35	0.875	18	0.438
6	40	1.000	20	0.500
7	45	1.125	23	0.563
8	50	1.250	25	0.625
9	55	1.375	28	0.688
10	60	1.500	30	0.750
11	65	1.625	33	0.813
12	70	1.750	35	0.875
13	75	1.875	38	0.938
14	80	2.000	40	1.000
15	85	2.125	43	1.063
16	90	2.250	45	1.125
17	95	2.375	48	1.188
18	100	2.500	50	1.250
19	105	2.625	53	1.313
20	110	2.750	55	1.375
21	115	2.875	58	1.438
22	120	3.000	60	1.500
23	125	3.125	63	1.563
24	130	3.250	65	1.625
25	135	3.375	68	1.688
26	140	3.500	70	1.750
27	145	3.625	73	1.813
28	150	3.750	75	1.875
29	155	3.875	78	1.938
30	160	4.000	80	2.000
31	165	4.125	83	2.063

1.7.8 Linetypes & Legends

A variety of line styles and legends are possible for the purpose of producing engineering highway plans. A consolidated linestyle resource file is being provided as the starting point for standardizing the diversity of line styles being generated through numerous project assignments. Linetypes shall also be defined as a "bylevel" property where reasonable for all elements within the design file. Any linetype and/or legends not available within the file and created by the Consultant shall be in accordance with NJTA drafting standards, as outlined in the Turnpike Authority's Procedures Manual and submitted to the Project Manager during the project review cycle. The Authority may continue to update and distribute resource files as they become available.

1.7.9 Levels

As noted previously, all graphic elements in the drawing files shall be placed on appropriate levels called for by each discipline. Some types of plans may utilize extensive leveling schemes while others may be minimal. Adherence to specified levels is NOT optional. The consultant may create new levels as necessary if the elements being generated do not fall into the limited categories supplied within the level libraries. The Consultant shall try to follow the naming scheme as best as possible and always provide a description to each level created for the reviewers understanding. In terms of levels, a system has been implemented that uses the primary NJTA naming sequence but provides for expanded level names that are more consistent with the National CAD Standard format and can easily accommodate multiple category breakouts. For implementation see Section 3.1 – Standard Level Naming Template. The level name will follow the grouping format as shown which permits refined descriptor levels where needed. The base NJTA levels have been included in the level libraries with the anticipation that additional levels will likely be implemented as the discipline and electronic plan information is reviewed. As the project and reviews progress, the Consultant can expect the levels to be manipulated to best suit the needs of the project. The intent of the Program Management effort, and therefore the consultants, is to isolate like drawn elements of the design to the highest extent possible through the use of separate levels. This provides a means of better controlling the element's appearance if and where changes need to be applied. Refer to Section 3 and the Appendix for naming conventions and standard level assignments for the current named levels.

1.7.10 Colors

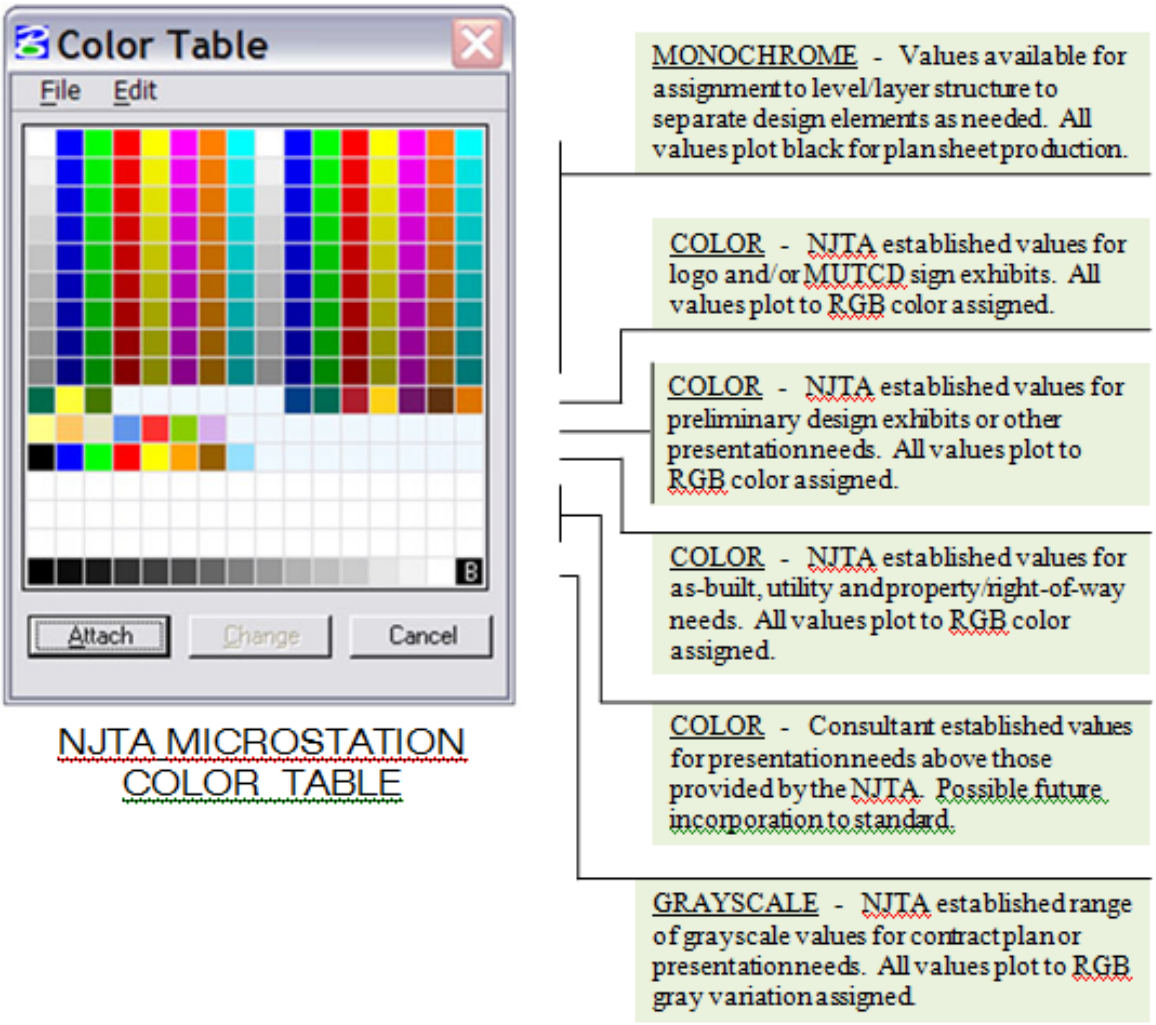
Use of colors in design files will conform to the requirements of the specific color assignments for various levels as outlined in Section 3.2 – Standard Level Assignments. All assigned colors shall be "bylevel" to maintain the practice towards greater control of the design elements. The NJTA color table is being provided as a resource file for project designers and shall be the standard table attached to all DGN files for the display appearance of elements within MicroStation. It is a modification of the default MicroStation color table with specific values reassigned to provide additional grayscale

values using the last row of the table. Currently, the color values of 0 through 191 and 240 through 254 are reserved for NJTA definition via direct pen table assignments. Those table values between 192 and 239 are intended to remain undefined at this point to allow for consultant assignment if and where needed by use of pen table modifications.

LINE WEIGHT / PLOT VALUES				
MICROSTATION LINE WEIGHT ASSIGNMENT	FULL-SIZE PLOT		HALF-SIZE PLOT	
	WEIGHT STROKE	THICKNESS (mm)	WEIGHT STROKE	THICKNESS (mm)
0	1	0.025	0.5	0.013
1	7	0.175	4	0.088
2	14	0.350	7	0.175
3	21	0.525	11	0.263
4	28	0.700	14	0.350
5	35	0.875	18	0.438
6	40	1.000	20	0.500
7	45	1.125	23	0.563
8	50	1.250	25	0.625
9	55	1.375	28	0.688
10	60	1.500	30	0.750
11	65	1.625	33	0.813
12	70	1.750	35	0.875
13	75	1.875	38	0.938
14	80	2.000	40	1.000
15	85	2.125	43	1.063
16	90	2.250	45	1.125
17	95	2.375	48	1.188
18	100	2.500	50	1.250
19	105	2.625	53	1.313
20	110	2.750	55	1.375
21	115	2.875	58	1.438
22	120	3.000	60	1.500
23	125	3.125	63	1.563
24	130	3.250	65	1.625
25	135	3.375	68	1.688
26	140	3.500	70	1.750
27	145	3.625	73	1.813
28	150	3.750	75	1.875
29	155	3.875	78	1.938
30	160	4.000	80	2.000
31	165	4.125	83	2.063

MICROSTATION PEN ASSIGNMENTS

```
pen(1) =(0-143)/RGB=(0,0,0)                ; BLACK
-------------------------------------------------------------------------------------------
pen(144)=(144)/RGB=(0,107,75)              ; TURNPIKE LOGO GREEN
pen(145)=(145)/RGB=(255,255,60)            ; PARKWAY LOGO YELLOW
pen(146)=(146)/RGB=(70,120,0)              ; PARKWAY LOGO GREEN
pen(147-152)=(147-152)/RGB=(-,-,-)         ; RESERVED – NJTA
pen(153)=(153)/RGB=(0,63,135)              ; MUTCD SIGN - BLUE
pen(154)=(154)/RGB=(0,107,84)              ; MUTCD SIGN - GREEN
pen(155)=(155)/RGB=(175,30,45)             ; MUTCD SIGN - RED
pen(156)=(156)/RGB=(252,209,22)            ; MUTCD SIGN - YELLOW
pen(157)=(157)/RGB=(114,22,107)            ; MUTCD SIGN - PURPLE
pen(158)=(158)/RGB=(96,51,17)              ; MUTCD SIGN - BROWN
pen(159)=(159)/RGB=(221,117,0)             ; MUTCD SIGN - ORANGE
pen(160)=(160)/RGB=(255,255,140)           ; PRESENTATION ROADWAY
pen(161)=(161)/RGB=(255,200,100)           ; PRESENTATION SHOULDER/ANCILLARY
pen(162)=(162)/RGB=(230,230,200)           ; PRESENTATION CONCRETE AREAS
pen(163)=(163)/RGB=(100,150,235)           ; PRESENTATION BUILDINGS/FACILITIES
pen(164)=(164)/RGB=(255,50,50)             ; PRESENTATION STRUCTURES
pen(165)=(165)/RGB=(137,205,0)             ; PRESENTATION LANDSCAPE AREAS
pen(166)=(166)/RGB=(215,175,235)           ; PRESENTATION ACCESS AREAS
pen(167-175)=(167-175)/RGB=(-,-,-)         ; RESERVED – NJTA
pen(176)=(176)/RGB=(0,0,0)                 ; BLACK
pen(177)=(177)/RGB=(0,0,255)               ; BLUE
pen(178)=(178)/RGB=(0,255,0)               ; GREEN
pen(179)=(179)/RGB=(255,0,0)               ; RED
pen(180)=(180)/RGB=(255,255,0)             ; YELLOW
pen(181)=(181)/RGB=(255,165,0)             ; ORANGE
pen(182)=(182)/RGB=(150,95,0)              ; BROWN
pen(183)=(183)/RGB=(150,225,255)           ; AQUA
pen(184-191)=(184-191)/RGB=(-,-,-)         ; RESERVED – NJTA
-------------------------------------------------------------------------------------------
pen(192-239)=(192-239)/RGB=(-,-,-)         ; RESERVED - CONSULTANT
-------------------------------------------------------------------------------------------
pen(240)=(240)/RGB=(0,0,0)                 ; BLACK
pen(241)=(241)/RGB=(13,13,13)              ; 95% GREY
pen(242)=(242)/RGB=(26,26,26)              ; 90% GREY
pen(243)=(243)/RGB=(51,51,51)              ; 80% GREY
pen(244)=(244)/RGB=(64,64,64)              ; 75% GREY
pen(245)=(245)/RGB=(77,77,77)              ; 70% GREY
pen(246)=(246)/RGB=(102,102,102)           ; 60% GREY
pen(247)=(247)/RGB=(128,128,128)           ; 50% GREY
pen(248)=(248)/RGB=(153,153,153)           ; 40% GREY
pen(249)=(249)/RGB=(179,179,179)           ; 30% GREY
pen(250)=(250)/RGB=(192,192,192)           ; 25% GREY
pen(251)=(251)/RGB=(204,204,204)           ; 20% GREY
pen(252)=(252)/RGB=(230,230,230)           ; 10% GREY
pen(253)=(253)/RGB=(243,243,243)           ; 5% GREY
pen(254)=(254)/RGB=(255,255,255)           ; WHITE
```



1.7.11 NJTA Cell Library

A NJTA cell library is available to Consultants to utilize for relevant symbols displayed in the topographic base mapping and design base files. The cells are created at a scale equal to 1 unit so that they may be placed at a scale factor matching the intended plot scale.

Please note, the Consultant is ultimately responsible for creating any cells, linestyles or other modifications to resource files beyond those provided in order to satisfy the scope of work as outlined in the original OPS request. Any resource file provided on the Authority's web site shall be used as a starting point for the Consultant. However, any modifications developed during the execution of the design shall be reviewed and approved by the Authority's Project Management for possible inclusion in the overall resource files posted in the future.

1.8 DELIVERABLES AND DATA EXCHANGE

Any exchange of contract documents in the form of electronic data between the Program Manager, the NJTA and the Consultant community will occur via one of the media options indicated below. The option chosen will depend on the type of submission and the urgency of acquiring or distributing the information in a timely manner.

1.8.1 Media

The accepted media for file exchange are the writable compact disk (CD-R), the writable digital video disk (DVD-R) and the Internet. Each CD or DVD jewel box containing the writable disks will have a label indicating the contents. It shall be accompanied with a supporting transmittal letter of documentation describing the contents. This letter will also signify all responsible contact persons associated with the creation and delivery of the electronic MicroStation and corresponding PDF (Adobe Acrobat) files comprising the contract deliverable. The transmittal letter shall also include the date the OPS was originally awarded.

The writable compact disk (CD-R) or digital video disk (DVD-R) are currently the easiest and most efficient media utilized for file exchange of contract deliverables. Please utilize this type of media whenever possible unless otherwise requested by the Project Manager.

The consultant community is encouraged to use the Internet as another option for delivering/receiving electronic files on an “as needed” basis. This can be accomplished through the Authority’s web site, conventional email, or if necessary, the Consultant’s own FTP site.

1.8.2 Additionally Required File Formats

In addition to the MicroStation file submission, the Consultant is required to deliver a corresponding PDF (Adobe Acrobat) file set replicating each contract plan sheet generated for the Phase review, Final design or As-Built submission, including Addendums and/or Change of Plans. All PDF files for standard review and construction documentation shall be representative prints at a resolution of 300 DPI that replicate the custom full-size sheet of 22” x 36" using the same plot driver assignments used for hard copy plots.

The Authority or Project Management may also request any additional plans and details developed by the Consultant to support or clarify the design during the span of the project.

1.8.3 Final Contract Deliverables

All graphics design files (DGN and SHT) provided to the NJTA shall be compatible with the MicroStation platform. When MicroStation files are created by translating from a different format, the Consultant is solely responsible to ensure and verify that the required information has been translated correctly and completely, for the intended purpose.

Anything that does not conform to our Standard will be returned for correction, without additional compensation or schedule allowance.

1.8.4 As-Built Contract Deliverables

Upon request, the Consultant shall be furnished with CADD files comprising the final design (Phase D) of the project for the express purpose of incorporating all as-built changes in the field. The as-built changes shall have their own level assignment. All as-built changes and corrections shall be made throughout the CADD files and the project shall be delivered in its entirety to the Authority on a separate compact disc and in accordance with the current version of its CADD standards. As in the Phase D submission, the Consultant is also required to deliver a corresponding PDF (Adobe Acrobat) file set replicating each drawing from the As-Built contract plan sheets.

Please note that the text "AS-BUILT" shall be shown with a bold face font at a one-half inch text height on the title sheet above the signatures and above all title blocks on all drawings. The term "AS-BUILT" and the date changes were made shall also be shown in the revision box on all drawings.

The compact disc consisting of the CADD contract deliverable and jewel case shall both be properly labeled and accompanied with a transmittal letter describing the contents and indicating all pertinent sender and contact information, including the name of the NJTA Project Engineer.

FILE NAMING CONVENTIONS & STANDARD REFERENCE FILES 2

2.1 Project Directory Structure

Each CADD contract deliverable shall contain a CADD file directory that is unique for that project. The project directory name should reflect the NJTA's seven or eight-digit project number, as defined in section 2.2 below, File Naming Convention - Project Numbering.

Every plan sheet of the project must have its own CADD file with the settings and view saved ready for plotting. All files, including reference files, shall be included in the project directory for all final contract deliverables. All support files (except associated resource files, such as fonts) shall reside in the same directory (without subdirectories) and reference files shall be attached without device or directory specifications. The Adobe PDF file set replicating the final plan sheets of the contract shall reside in a separate directory.

2.2 Electronic File Naming Templates

Standard NJTA file naming conventions shall be used for all CADD project files. CADD files delivered to the NJTA not adhering to the standard naming convention will not be accepted and it will be the Consultant's responsibility to provide corrected files. Any corrections shall ensure valid referencing of newly named files. The electronic file naming convention established by the NJTA confers information relevant to each file. The CADD file names for base files, sheet files and all reference files shall conform to the standard naming templates detailed on the following pages. To clearly distinguish the sheet drawing files from secondary or reference files, the sheet files shall have the .SHT extension instead of the .DGN suffix for easier single or batch plotting configuration. MicroStation recognizes the SHT extension as a standard drawing format no different than the typical DGN format and therefore allows the sheet files to be easily identified amongst a project listing of MicroStation files.

File Naming Convention – Project Numbering

The CADD file name is to be placed on every contract drawing sheet file directly beneath the title block and will incorporate the NJTA's current project numbering system as outlined below. To insure uniformity throughout the Authority, the project number is comprised of combining the roadway designation (R), category number (N), contract number (C) and extension (E), if applicable.

ROADWAY (R) Turnpike/Parkway	**CATEGORY # (N)**	**CONTRACT # (C)**	**EXTENSION (E) (If Applicable)**
(T or P)	Structures - 100	001 - 999	A, B, etc.
(T or P)	Highways - 200	001 - 999	A, B, etc.
(T or P)	Interchanges - 300	001 - 999	A, B, etc.
(T or P)	Service Areas - 400	001 - 999	A, B, etc.
(T or P)	Buildings - 500	001 - 999	A, B, etc.
(T or P)	Signage - 600	001 - 999	A, B, etc.
(T or P)	Environmental - 700	001 - 999	A, B, etc.
(T or P)	Major Projects - 800	001 - 999	A, B, etc.
(T or P)	Miscellaneous - 900	001 - 999	A, B, etc.
(T or P)	Future Use - 001	001 - 999	A, B, etc.

File Naming Template - Contract Base Files

RNNNCCCE-A-B-D.DGN

R	Required 1 character	**Roadway:** (See File Naming Convention – Project Numbering)
		P - **P**arkway
		T - **T**urnpike
		A - **A**uthority
N	Required 3 digits	**Category Number** (See File Naming Convention – Project Numbering)
C	Required 3 digits	**Contract Number** (See File Naming Convention – Project Numbering)
E	As Needed 1 character	**Project Suffix** (Extension, if applicable)
A	Required 1 character	**Major Type:**
		E - **E**xisting
		P - **P**roposed
B	Required	**Type Of Plan:** (to be expanded with additional types)
		BLNE - Baseline
		BRDG - Bridge
		DRAN - Drainage
		DTM - 3D Surfaces / Breaklines
		ENVR - Environmental
		FEAT - Feature, Alignment, Roads
		GEOT - Geotechnical
		GRAD - Grading
		LDSC - Landscaping
		LHTG - Lighting
		MPT - Traffic Control
		ROW - Legal Right-of-Way
		SESC - Soil Erosion Sediment Control
		SIGN - Signage
		SURV - Survey
		TRAF - Traffic
		UTIL - Utility
D	As Needed 6 character maximum	**Descriptor Text** (Where multiple sources may occur or apply and need to be defined – different bridges for instance)

File Naming Template - Contract Sheet Files

RNNN_CCC_E_PP_SSSSz.SHT

R	**Required 1 character**	**Roadway:** (See File Naming Convention – Project Numbering)
		P - **P**arkway
		T - **T**urnpike
		A - **A**uthority
N	**Required 3 digits**	**Category Number** (See File Naming Convention – Project Numbering)
C	**Required 3 digits**	**Contract Number** (See File Naming Convention – Project Numbering)
E	**As Needed 1 character**	**Project Suffix** (Extension, if applicable)
P	**Required 2 characters**	**Project Stage:**
		PA - **P**hase **A**
		PB - **P**hase **B**
		PC - **P**hase **C**
		FD - **F**inal **D**esign
		CP - **C**hange of **P**lan
		AB - **A**s-**B**uilt
		CP1 - **C**hange of **P**lan (**1**)
		AD1 - **A**ddendum (**1**)
S	**Required 4 digits**	**Sheet Number:** (0001 thru 9999)
Z	**As Needed 1 character**	**Sheet Number Suffix:** (A, B, C, etc. - If Applicable)

Examples:

T200_002_A_AB _0001.SHT

Turnpike Highway Project, Contract # T200.002-A, As-Built Drawing - Sheet 1

P100_002_FD _0001.SHT

Parkway Structures Project, Contract # P100.002, Final Design Drawing - Sheet 1

2.3 Standard Reference File Naming Templates

The following standard templates for reference files with default level settings have been established and shall be used for all NJTA projects where applicable. The templates' file names incorporate the project's roadway designation, category and contract numbers in accordance with the NJTA's standard project naming convention, as outlined in section 2.2 above. These are a minimum sample of the reference files to be applied on any project with the list to be revised and updated according to specific project needs.

Please note that all reference files must load automatically into all contract sheet files utilizing the relative path convention. All files must be independent of any workspace environment or directory path assignments.

Upon the Project Manager's approval, the Consultant may have the option to merge all reference files and bind them to all sheet files depending on the scope of work and requirements of the project. In this case, the Consultant would be able to utilize their established reference file naming templates. However, if the Consultant chooses to keep file referencing intact, then the aforementioned standard referencing technique must be followed implicitly.

EXISTING	RNNNCCC-E-BRDG.dgn	(Existing Bridge Base File)
	RNNNCCC-E-FEAT.dgn	(Existing Features Base File)
	RNNNCCC-E-GRAD.dgn	(Existing Grading Base File)
	RNNNCCC-E-SURV.dgn	(Existing Survey Base File)
	RNNNCCC-E-TRAF.dgn	(Existing Traffic Base File)
	RNNNCCC-E-UTIL.dgn	(Existing Utilities Base File)
	RNNNCCC-E-ENVR.dgn	(Existing Wetlands/Environmental Base File)
PROPOSED	RNNNCCC-P-BLNE.dgn	(Proposed Baseline Geometry File)
	RNNNCCC-P-BRDG.dgn	(Proposed Bridge Base File)
	RNNNCCC-P-DRAN.dgn	(Proposed Drainage Base File)
	RNNNCCC-P-DTM.dgn	(Proposed 3D Surface/Breakline File)
	RNNNCCC-P-ENVR.dgn	(Proposed Wetlands/Environmental Base File)
	RNNNCCC-P-FEAT.dgn	(Proposed Features Base File)
	RNNNCCC-P-GRAD.dgn	(Proposed Grading Base File)
	RNNNCCC-P-LDSC.dgn	(Proposed Landscaping Base File)
	RNNNCCC-P-LHTG.dgn	(Proposed Roadway Lighting Base File)
	RNNNCCC-P-ROW.dgn	(Proposed Right Of Way Base File)
	RNNNCCC-P-SESC.dgn	(Proposed Soil Erosion Sediment Control File)
	RNNNCCC-P-SURV.dgn	(Proposed Survey Base File)
	RNNNCCC-P-TRAF.dgn	(Proposed Traffic Striping Base File)
	RNNNCCC-P-UTIL.dgn	(Proposed Utilities Base File)

STANDARD LEVEL NAMING CONVENTIONS 3

3.1 Standard Level Naming Template

The NJTA has established default leveling requirements for its standard reference files. A standard level naming convention has been incorporated for each of the standard levels and is detailed below. Custom levels shall also conform to this standard naming convention.

AB-CCCC-DDDD_EEEE

A	**Required 1 character**	**Major Type:**
		E - **E**xisting
		N - **N**ot In Contract
		P - **P**roposed
		S - **S**heet
		T - **T**emporary
B	**Required 1 character**	**Minor Type:**
		A - **A**rchitectural
		B - **B**ridge
		D - **D**rainage
		F - **F**eatures
		G - **G**rading
		I - **I.T.S. / E.T.C.**
		L - **L**andscaping
		E - **E**nvironmental
		R - **R**oadway
		S - **S**urvey
		T - **T**raffic
		U - **U**tility
		W - **W**etland
C	**Required Minimum 4 characters**	**Major Group Designation:**
D	**As Needed Minimum 4 characters**	**Minor Group Designation:**
E	**As Needed 4 characters**	**Clarifying Group Designation: (i.e. Dimensioning – Dim, Text – Text, etc.)**

3.2 Standard Level Assignments

A sample listing of level names is provided in the Appendix which corresponds to the level library files being made available to Consultants.

INFORMATION SHEETS 4

It is expected that files submitted as part of the design process will be maintained for a considerable amount of time. It is also expected that various information will be requested by the Authority or offered by the Consultant to explain the contract or qualify data. Typical paper documents will likely get separated from the CADD files and probably lost over time. Therefore, all supporting documentation requested by the Project Manager or provided by the Consultant is to be a part of the CADD files submitted electronically. This information is to be placed on standard Authority plan sheets (120 Leroy upper & lower case) and made a standard MicroStation (and matching PDF) file. These information sheets are to be labeled alphabetically, starting with 'A', and provided with file names accordingly (i.e. FILE NAME: **RNNN_CCC_INFO-A**.dgn).

Required information to be shown on these sheets will include:

1. The N.J.T.A. liaison engineer.

2. The MicroStation version used for the Project with a list of the surface, alignment, template and roadway model files.

3. The DGN file level naming convention.

4. The advertisement for proposal pages from the bid.

5. List of drawings in the contract with an asterisk (*) placed to the left of each drawing not included in the CADD files. The only drawings that will not be included will be Standard Drawings and Reference Drawings.

BUILDING INFORMATION MODELING (BIM) STANDARDS

5

A supplement document to the CADD Standards Manual, entitled "NJTA Facilities Improvement Program, CADD/BIM Manual," is included for the direction of all building facility design plan preparation and production. Adherence to the supplement, in conjunction with this CADD Standards Manual, is expected for all building facility CADD contract deliverables.

APPENDIX

RNNNCCC-E-BLNE.dgn - EXISTING BASELINE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
ER-ALGN-030S-HORZ-BLNE	Existing 30 Scale Baselines	0	2	1
ER-ALGN-030S-HORZ-BLNE-TEXT	Existing 30 Scale General Baseline Text (Name, etc.)	0	5	1
ER-ALGN-030S-HORZ-CARD-PNTS	Existing 30 Scale Baseline Cardinal Point Leaders/Symbols	0	5	1
ER-ALGN-030S-HORZ-CARD-TEXT	Existing 30 Scale Baseline Cardinal Point Text	0	5	1
ER-ALGN-030S-HORZ-CURV-TEXT	Existing 30 Scale Baseline Curve Text	0	5	1
ER-ALGN-030S-HORZ-EQUA-TEXT	Existing 30 Scale Baseline Equation Text	0	5	1
ER-ALGN-030S-HORZ-EVNT-PNTS	Existing 30 Scale Baseline Event Point Text	0	5	1
ER-ALGN-030S-HORZ-EVNT-TEXT	Existing 30 Scale Baseline Event Point Leaders/Symbols	0	5	1
ER-ALGN-030S-HORZ-STAT-MAJR-TEXT	Existing 30 Scale Baseline Major Station Text	0	0	1
ER-ALGN-030S-HORZ-STAT-MAJR-TICK	Existing 30 Scale Baseline Major Station Tick Marks	0	4	1
ER-ALGN-030S-HORZ-STAT-MINR-TEXT	Existing 30 Scale Baseline Minor Station Text	0	5	1
ER-ALGN-030S-HORZ-STAT-MINR-TICK	Existing 30 Scale Baseline Minor Station Tick Marks	0	6	1
ER-ALGN-030S-HORZ-TANG-TEXT	Existing 30 Scale Baseline Tangent Text	0	5	1
ER-ALGN-050S-HORZ-BLNE	Existing 50 Scale Baselines	0	2	1
ER-ALGN-050S-HORZ-BLNE-TEXT	Existing 50 Scale General Baseline Text (Name, etc.)	0	5	1
ER-ALGN-050S-HORZ-CARD-PNTS	Existing 50 Scale Baseline Cardinal Point Leaders/Symbols	0	5	1
ER-ALGN-050S-HORZ-CARD-TEXT	Existing 50 Scale Baseline Cardinal Point Text	0	5	1
ER-ALGN-050S-HORZ-CURV-TEXT	Existing 50 Scale Baseline Curve Text	0	5	1
ER-ALGN-050S-HORZ-EQUA-TEXT	Existing 50 Scale Baseline Equation Text	0	5	1
ER-ALGN-050S-HORZ-EVNT-PNTS	Existing 50 Scale Baseline Event Point Text	0	5	1
ER-ALGN-050S-HORZ-EVNT-TEXT	Existing 50 Scale Baseline Event Point Leaders/Symbols	0	5	1
ER-ALGN-050S-HORZ-STAT-MAJR-TEXT	Existing 50 Scale Baseline Major Station Text	0	0	1
ER-ALGN-050S-HORZ-STAT-MAJR-TICK	Existing 50 Scale Baseline Major Station Tick Marks	0	4	1
ER-ALGN-050S-HORZ-STAT-MINR-TEXT	Existing 50 Scale Baseline Minor Station Text	0	5	1
ER-ALGN-050S-HORZ-STAT-MINR-TICK	Existing 50 Scale Baseline Minor Station Tick Marks	0	6	1
ER-ALGN-050S-HORZ-TANG-TEXT	Existing 50 Scale Baseline Tangent Text	0	5	1
ER-ALGN-MISC	Existing Miscellaneous Alignment Elements	0	5	1
ER-ALGN-NPLT	Existing Non-Plotting Alignment Elements	0	2	1
ER-COGO-PNTS	Existing Alignment COGO Points	0	0	1
ER-COGO-TEXT	Existing Alignment COGO Text	0	0	1

RNNNCCC-E-BRDG.dgn - EXISTING BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EB-ABUT	Existing Abutment Elements	0	1	1
EB-ABUT-BATR	Existing Abutment Batter Lines	0	0	0
EB-ABUT-BEAR	Existing Abutment Bearings	0	1	1
EB-ABUT-BEAR-PADS	Existing Abutment Bearing Pads	0	1	1
EB-ABUT-DRAN	Existing Abutment Drain	0	1	1
EB-ABUT-DRAN-HIDN	Existing Abutment Drain Hidden	2	1	0
EB-ABUT-FTNG	Existing Abutment Footings	0	1	1
EB-ABUT-FTNG-HIDN	Existing Abutment Footings Hidden	2	1	0
EB-ABUT-FTNG-JNTS	Existing Abutment Footing Joints	0	1	1
EB-ABUT-FTNG-JTHD	Existing Abutment Footing Joints Hidden	2	1	0
EB-ABUT-FTNG-REIN	Existing Abutment Footing Reinforcement	0	3	2
EB-ABUT-HEAD	Existing Abutment Header	0	1	1
EB-ABUT-HEAD-HIDN	Existing Abutment Header Hidden	2	1	0
EB-ABUT-JNTS	Existing Abutment Joints	0	1	1
EB-ABUT-JNTS-HIDN	Existing Abutment Joints Hidden	2	1	0
EB-ABUT-PILE	Existing Abutment Piles	0	2	2
EB-ABUT-PILE-HIDN	Existing Abutment Piles Hidden	2	2	0
EB-ABUT-WALL	Existing Abutment Wall	0	1	1
EB-ABUT-WALL-HIDN	Existing Abutment Wall Hidden	2	1	0
EB-ABUT-WALL-JNTS	Existing Abutment Wall Joints	0	1	1
EB-ABUT-WALL-JTHD	Existing Abutment Wall Joints Hidden	2	1	1
EB-ABUT-WALL-REIN	Existing Abutment Wall Reinforcement	0	3	2
EB-BARR-MEDN	Existing Median Barrier	0	1	1
EB-BARR-MEDN-CNDT	Existing Median Barrier Conduits	0	1	1
EB-BARR-MEDN-CNHD	Existing Median Barrier Conduits Hidden	2	1	1
EB-BEAM	Existing Beams	0	1	1
EB-BEAM-HIDN	Existing Beams Hidden	2	1	0
EB-BEAR-CNTR	Existing Centerline of Bearings	4	0	0
EB-BLNE	Existing Base Line and Station Tick Marks	0	5	3
EB-BLNE-TEXT	Existing Base Line and Station Text	0	5	3
EB-CNTR-LONG	Existing CenterlineLong	4	3	1
EB-CNTR-SHRT	Existing CenterlineShort	4	3	1
EB-CURB	Existing Sidewalk and Curb	0	1	1
EB-DECK-REIN	Existing Deck Reinforcement	0	3	2
EB-DIMS	Existing Dimensions	0	3	1

RNNNCCC-E-BRDG.dgn - EXISTING BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EB-DIMS- TEXT	Existing Dimensions Callout Text	0	3	1
EB-FENCE-CLNK	Existing Chain Link Fence	NJTA_Fence-Clink	2	1
EB-FENCE-TEXT	Existing Fence Text	0	2	1
EB-FENCE-WOOD	Existing Wood Fence	NJTA_Fence-Clink	2	1
EB-FRAM	Existing Framing	0	3	1
EB-FRAM-HIDN	Existing Hidden Framing	2	3	0
EB-FSCA	Existing Fascia Line Work	0	1	1
EB-GIRD-CNTR	Existing Centerline of Girder	4	0	0
EB-GIRD-SPLC-CNTR	Existing Centerline of Girder Splice	4	0	0
EB-GPLN-ABUT	Existing General Plan-Abutment	0	3	1
EB-GPLN-ABUT-HIDN	Existing General Plan-Hidden	2	3	1
EB-GPLN-BASE	Existing General Plan-Baseline	0	5	3
EB-GPLN-BASE-TEXT	Existing General Plan-Baseline Text	0	5	1
EB-GPLN-BEAM	Existing General Plan-Beam	0	5	1
EB-GPLN-BEAM-HIDN	Existing General Plan-Beam Hidden	2	5	0
EB-GPLN-CNTR	Existing General Plan-Centerline	4	3	1
EB-GPLN-CNTR-BEAR	Existing General Plan-Centerline of Bearings	4	3	1
EB-GPLN-CNTR-PIER	Existing General Plan-Centerline of Pier	4	3	1
EB-GPLN-CNTR-PILE	Existing General Plan-Centerline of Pile	4	3	1
EB-GPLN-DECK	Existing General Plan-Deck	0	3	1
EB-GPLN-DECK-HIDN	Existing General Plan-Hidden Deck	2	3	0
EB-GPLN-DECK-JONT	Existing General Plan-Deck Joint	0	3	1
EB-GPLN-DECK-JNTS-HIDN	Existing General Plan-Hidden Deck Joint	2	3	0
EB-GPLN-EXST-GRAD	Existing General Plan-Existing Grade	0	3	1
EB-GPLN-FEND	Existing General Plan-Fender	0	3	1
EB-GPLN-FEND-HIDN	Existing General Plan-Hidden Fender	2	3	0
EB-GPLN-FTNG	Existing General Plan-Footing	0	3	1
EB-GPLN-FTNG-HIDN	Existing General Plan-Footing-Hidden	3	3	0
EB-GPLN-FRAM	Existing General Plan-Framing	0	10	1
EB-GPLN-INLT	Existing General Plan-Inlet	0	3	1
EB-GPLN-LITE	Existing General Plan-Lighting	0	3	1
EB-GPLN-PARA	Existing General Plan-Parapets	0	3	1
EB-GPLN-PARA-HIDN	Existing General Plan-Parapets	2	3	0
EB-GPLN-PIER-CNTR	Existing General Plan-Centerline of Pier	4	3	1
EB-GPLN-PILE	Existing General Plan-Pile	0	3	1
EB-GPLN-PILE-HIDN	Existing General Plan-Pile Hidden	2	3	0
EB-GPLN-RZRL	Existing General Plan-Razorline	0	5	1

RNNNCCC-E-BRDG.dgn - EXISTING BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EB-GPLN-RZRL-HIDN	Existing General Plan-Razorline Hidden	2	5	0
EB-GPLN-WING	Existing General Plan-Wing Walls	0	3	1
EB-GPLN-WING-HIDN	Existing General Plan-Wing Walls Hidden	2	3	0
EB-GPLN-WATR	Existing General Plan-Water	0	3	1
EB-HIDN	Existing Hidden (General)	2	3	0
EB-JNTS-CNST-OPTL	Existing Optional Construction Joints	0	1	1
EB-JNTS-CNTR	Existing Centerline of Joints	4	0	1
EB-JNTS-EDGE	Existing Edge of Joint Lines	0	1	1
EB-LANE-LINE	Existing Traveled Lane Lines	0	2	2
EB-LITE	Existing Lighting Standards	0	1	1
EB-LITE-UDCK	Existing Under Deck Lighting	0	1	1
EB-MISC	Existing Miscellaneous	0	3	1
EB-PARA	Existing Parapet	0	1	1
EB-PARA-HIDN	Existing Parapet Hidden	2	1	0
EB-PARA-CNDT	Existing Parapet Conduits	0	1	1
EB-PARA-CNDT-HIDN	Existing Parapet Conduits Hidden	2	1	0
EB-PATT	Existing Pattern	0	3	1
EB-PIER-BEAR-PEDS	Existing Pier Bearing Pad	0	1	1
EB-PIER-CAPS	Existing Pier Cap	0	1	1
EB-PIER-CAPS-JNTS	Existing Pier Cap Joint	0	1	1
EB-PIER-CNTR	Existing Centerline of Piers	4	0	1
EB-PIER-COLS	Existing Pier Column	0	1	1
EB-PIER-COLS-REIN	Existing Pier Column Reinforcement	0	3	3
EB-PIER-FTNG-JNTS	Existing Pier Footing Joints	0	1	1
EB-PIER-FTNG-JTHD	Existing Pier Footing Joints Hidden	2	1	0
EB-PIER-FTNG-REIN	Existing Pier Footing Reinforcement	0	3	3
EB-PIER-PILE	Existing Pier Piles	0	1	1
EB-PIER-PILE-HIDN	Existing Pier Piles Hidden	2	1	1
EB-PIER-FTNG	Existing Pier Footing	0	1	1
EB-PIER-FTNG-HIDN	Existing Pier Footing Hidden	2	1	0
EB-PNTS-CTRL	Existing Active / Control Points	0	6	1

RNNNCCC-E-BRDG.dgn - EXISTING BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EB-RZRL	Existing Razor Line	0	5	1
EB-RZRL-HIDN	Existing Razor Line Hidden	2	5	0
EB-RBAR	Existing Rebar (General)	0	4	2
EB-RBAR-HIDN	Existing Rebar Hidden (General)	2	4	0
EB-RBAR-DECK	Existing Rebar Deck	0	4	2
EB-RTWL	Existing Retaining Walls	0	3	1
EB-RTWL-DRAN	Existing Retaining Wall Drainage	0	3	1
EB-RTWL-DRAN-HIDN	Existing Hidden Retaining Wall Drainage	2	3	0
EB-RTWL-HIDN	Existing Hidden Retaining Walls	2	3	0
EB-SLAB-EDGE	Existing End of Slab Lines	0	1	1
EB-SLAB-OPEN	Existing Slab Openings or Penetrations	0	1	1
EB-SPLC	Existing Splice Linework	0	1	1
EB-TEXT	Existing Text	0	3	1
EB-WING	Existing Wingwall	0	1	1
EB-WING-BATR	Existing Wingwall Batter Lines	0	0	0
EB-WING-HIDN	Existing Wingwall Hidden	2	1	0
EB-WING-FTNG	Existing Wingwall Footing	0	1	1
EB-WING-FTNG-HIDN	Existing Wingwall Footing Hidden	3	1	1
EB-WING-FTNG-JNTS	Existing Wingwall Footing Joints	0	1	1
EB-WING-FTNG-JTHD	Existing Wingwall Footing Joints Hidden	2	1	0
EB-WING-FTNG-REIN	Existing Wingwall Footing Reinforcement	0	3	2
EB-WING-JNTS	Existing Wingwall Joints	0	1	1
EB-WING-JNTS-HIDN	Existing Wingwall Joints Hidden	2	1	0
EB-WING-REIN	Existing Wingwall Reinforcement	0	3	2

RNNNCCC-E-DRAN.dgn - EXISTING DRAINAGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
ED-FLOW-ARRW	Existing Drainage Flow Arrows	0	5	1
ED-GRAT-TEXT	Existing Drain Grate Rim Text	0	5	1
ED-HPLP	Existng High Point or Low Point	0	5	1
ED-INLT	Existing Drain Inlets	0	5	1
ED-INLT-TEXT	Existing Drain Inlet Text	0	5	1
ED-INVR-TEXT	Existing Drain Inverts Text	0	5	1
ED-MHOL	Existing Drainage Manholes	0	5	1
ED-MHOL-INVR	Existing Drainage Manholes Invert Text	0	5	1
ED-MHOL-RIM	Existing Drainage Manholes Rim Text	0	5	1
ED-MHOL-TEXT	Existing Drainage Manholes Text	0	5	1
ED-MISC	Existing Drainage Misc.	0	5	1
ED-NPLT	Existing Drainage Non-plotting level	0	143	1
ED-DTCH-PAVD	Existing Paved Channel or Ditch	NJTA_E_Channel-Paved	5	1
ED-DTCH-PAVD-TEXT	Existing Paved Channel or Ditch Text	0	5	1
ED-PIPE	Existing Drainage Pipe	NJTA_Stormpipe	5	1
ED-PIPE-TEXT	Existing Drainage Pipe Text	0	5	1
ED-RPRP	Existing Drainage Rip Rap	0	5	1
ED-RPRP-HIDN	Existing Drainage Rip Rap Hidden	2	5	1
ED-STRC	Existing Drainage Headwalls, Endwalls, etc.	0	5	1
ED-STRC-INVR	Existing Drainage Headwalls, Endwalls, etc. Inverts Text	0	5	1
ED-STRC-TEXT	Existing Drainage Headwalls, Endwalls, etc. Text	0	5	1
ED-UDRN	Existing Underdrain	3	5	1
ED-UDRN-TEXT	Existing Underdrain Text	0	5	1
ED-DTCH-UNPV	Existing Unpaved Channel or Ditch	NJTA_E_Channel-Unpaved	5	1
ED-DTCH-UNPV-TEXT	Existing Unpaved Channel or Ditch Text	0	5	1

RNNNCCC-E-ENVR.dgn - EXISTING ENVIRONMENTAL				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EN-ARCH	Area of Archeological Sites	0	4	2
EN-EROS-CTRL-PERM	Existing Permanent Erosion Control Measures	0	58	4
EN-EROS-CTRL-TEMP	Existing Temporary Erosion Control Measures	0	58	3
EN-EROS-MISC	Existing Miscellaneous Erosion Control Elements	0	0	0
EN-EROS-RPRP	Existing Rip Rap	0	58	2
EN-EROS-TEXT	Existing Erosion Control Text	0	58	1
EN-HABT	Existing Theatened/Endangered Species Habitat Boundaries	0	3	2
EN-HABT-AMPH-BUFR-CGT	Existing T&E Amphibian - CGT Buffer	0	4	0
EN-HABT-AMPH-BUFR-ETS	Existing T&E Amphibian - ETS Buffer	0	4	0
EN-HABT-AMPH-BUFR-PF	Existing T&E Amphibian - PF Buffer	0	0	0
EN-HABT-AMPH-POND	Existing T&E Amphibian Species Habitat Boundaries	0	4	0
EN-HABT-BIRD-BALD EAGLE	Existing T&E Species Habitat - Bald Eagle	0	4	1
EN-HABT-BIRD-COOPERS HAWK	Existing T&E Species Habitat - Coopers Hawk	0	3	2
EN-HABT-BIRD-NEW	Existing T&E Bird Species Habitat Boundaries	0	3	2
EN-HABT-BIRD-OSPREY	Existing T&E Species Habitat -Osprey	0	3	2
EN-HABT-BIRD-PEREGRIN FALCON	Existing T&E Species Habitat - Peregrin Falcon	0	3	2
EN-HABT-BIRD-RED HEADED WOODPECKER	Existing T&E Species Habitat - Red Headed Woodpecker	0	3	2
EN-HABT-BIRD-YC NIGHT HERON	Existing T&E Species Habitat - Yellow Crowned Night Heron	0	3	0
EN-HABT-BIRD-YCNH-PTS	Existing T&E Species Habitat - Yellow Crowned Night Heron Points	0	3	0
EN-HABT-BUFR	Existing T&E Species Habitat Buffer Line	0	4	0
EN-HABT-BUFR-TEXT	Existing T&E Species Habitat Buffer Text	0	0	0
EN-HABT-IMPC-PERM	Permanent Existing Habitat Impact Area	0	4	0
EN-HABT-IMPC-PERM-TEXT	Permanent Existing Habitat Impact Text	0	0	0
EN-HABT-IMPC-TEMP	Temporary Existing Habitat Impact Area	0	4	0
EN-HABT-IMPC-TEMP-TEXT	Temporary Existing Habitat Impact Text	0	0	0
EN-HABT-TEXT	Existing Theatened/Endangered Species Habitat Boundary Text	0	3	2
EN-HIST	Area of Historic Properties	0	5	2
EN-IMPC-CWMD	Existing CW Impacts in Median	0	4	1
EN-IMPC-CWMD-TEXT	Existing CW Impacts in Median Text	0	4	1
EN-IMPC-CWNB	Existing CW Impacts along NB Roadway Edge	0	0	1
EN-IMPC-CWNB-TEXT	Existing CW Impacts along NB Roadway Text	0	0	1
EN-IMPC-CWSB	Existing CW Impacts along SB Roadway Edge	0	4	0
EN-IMPC-CWSB-TEXT	Existing CW Impacts along SB Roadway Text	0	4	0
EN-IMPC-HTCH-AMPH	Hatching for Existing T&E Amphibian Habitat Areas	0	30	0
EN-IMPC-HTCH-AMPH-TEXT	Hatching for Existing T&E Amphibian Habitat Text	0	30	0
EN-IMPC-HTCH-BIRD	Hatching for Existing T&E Bird Habitat Areas	0	30	0
EN-IMPC-HTCH-BIRD-TEXT	Hatching for Existing T&E Bird Habitat Text	0	30	0
EN-IMPC-HTCH-PLNT	Hatching for Existing T&E Plant Habitat Areas	0	30	0
EN-IMPC-HTCH-PLNT-TEXT	Hatching for Existing T&E Plant Habitat Text	0	30	0
EN-IMPC-HTCH-REPT	Existing Reptile Boundary Impact Area Hatching	0	4	1
EN-IMPC-HTCH-REPT-TEXT	Existing Reptile Boundary Impact Area Hatching Text	0	4	1

RNNNCCC-E-ENVR.dgn - EXISTING ENVIRONMENTAL				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EN-LIMT-PLNT	Existing T&E Plant Species Limits	0	4	1
EN-LIMT-PLNT-TEXT	Existing T&E Plant Species Limits Text	0	4	1
EN-HABT-REPT-DOCU	Existing Documented Reptile Habitat	0	0	1
EN-HABT-REPT-DOCU-TEXT	Existing Documented Reptile Habitat Text	0	0	1
EN-HABT-REPT-POTL	Existing Potential Reptile Habitat	0	0	1
EN-HABT-REPT-POTL-TEXT	Existing Potential Reptile Habitat Text	0	0	1
EN-HABT-RSH	Existing RSH Habitat	0	4	1

RNNNCCC-E-FEAT.dgn - EXISTING FEATURES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EF-ATNU-PERM	Existing Impact Attenutor - Permanent Mount Type	0	2	1
EF-ATNU-TEMP	Existing Impact Attenutor - Temporary Type	0	2	1
EF-ATNU-TEXT	Existing Impact Attenutor Text	0	2	0
EF-BARR-MEDN	Existing Concrete Median Barrier Curb	0	3	1
EF-BARR-SGLF	Existing Concrete Single Face Barrier Curb	0	3	1
EF-BARR-TEMP	Existing Concrete Barrier Curb - Temporary Type	0	3	1
EF-BARR-TEXT	Existing Concrete Barrier Text	0	3	0
EF-BLDG	Existing Building, House, Shed, Garage, etc.	0	3	0
EF-BLDG-TEXT	Existing Building, House, Shed, Garage, etc.	0	3	0
EF-BRDG-ABUT	Existing Abutment (Hidden)	5	4	0
EF-BRDG-DECK	Existing Bridge Deck Slab	0	5	0
EF-BRDG-MISC	Existing Pedestrian or Other Bridge Text	0	0	2
EF-BRDG-ROAD	Existing Roadway Bridge Outlines	0	0	2
EF-BRDG-TEXT	Existing Pedestrian or Other Bridges	0	0	0
EF-BRDG-WING	Existing Wingwall	0	4	0
EF-CEME	Existing Cemetary	0	3	1
EF-CEME-TEXT	Existing Cemetary Text	0	3	0
EF-CURB	Existing Curb Lines (General)	0	3	1
EF-CURB-ASPH	Existing Asphalt Curb Lines	0	3	1
EF-CURB-CONC	Existing Concrete Curb Lines	0	3	1
EF-CURB-STON	Existing Stone/Block Curb Lines	0	3	1
EF-CURB-TEXT	Existing Curb Text	0	3	1
EF-DRWY-PAVD	Existing Paved Driveway and Parking Lot Edges	0	3	1
EF-DRWY-TEXT	Existing Driveway and Parking Lot Edge Text	0	3	0
EF-DRWY-UPVD	Existing Unpaved Driveway and Parking Lot Edges	0	3	1
EF-FENC	Existing Fence (General Unknown)	NJTA_Fence-Clink	4	2
EF-FENC-CLNK	Existing Chain Link Fence	NJTA_Fence-Clink	20	2
EF-FENC-TEXT	Existing Fence Text	0	3	0
EF-FENC-WOOD	Existing Wood Fence	NJTA_Fence-Clink	36	2
EF-GOLF	Existing Golf Course Objects	0	3	1
EF-GOLF-TEXT	Existing Golf Course Text	0	3	0
EF-GUID	Existing Steel Guide Rail - Single Face	NJTA_E_Grail	5	1
EF-GUID-DBLF	Existing Steel Guide Rail - Double Face	NJTA_E_Grail-Double	5	1
EF-GUID-TEXT	Existing Guide Rail Text	0	5	0
EF-GUID-WOOD	Existing Wood Guide Rail - Single Face	NJTA_E_Grail	5	1
EF-GUID-WOOD-DBLF	Existing Wood Guide Rail - Double Face	NJTA_E_Grail-Double	5	1
EF-LAND-FILL	Existing Landfill	0	3	0
EF-LAND-FILL-TEXT	Existing Landfill Text	0	3	0
EF-LIMT-SLOP-TOPT	Existing Top/Toe of Slope Limits	NJTA_Slope-Line	3	1
EF-LIMT-SLOP-TEXT	Existing Slope Limit Delineation Text	0	3	1
EF-MAIL	Existing Mailbox (Residential or Postal Drop)	0	3	1
EF-MAIL-TEXT	Existing Mailbox (Residential or Postal Drop)	0	3	0

RNNNCCC-E-FEAT.dgn - EXISTING FEATURES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EF-MISC	Existing Miscellaneous Topographic Features	0	4	1
EF-MISC-TEXT	Existing Miscellaneous Topographic Features Text	0	4	0
EF-MMRK	Existing Mile Markers	0	3	1
EF-MMRK-TEXT	Existing Mile Marker Text	0	3	1
EF-NPLT	Existing Non-Plotting Topographic Elements	0	143	1
EF-NVEG	Existing Non-Vegetative Surfaces	0	3	1
EF-NVEG-TEXT	Existing Non-Vegetative Surface Text	0	3	1
EF-OBSC	Existing Obscured Areas	0	5	1
EF-OBSC-TEXT	Existing Obscured Area Text	0	5	1
EF-PATH	Existing Unpaved Foot Path, Cart Path, Trail	0	3	1
EF-PATH-TEXT	Existing Foot Path, Cart Path, Trail Text	0	3	1
EF-PILE	Existing Piles of Earth	0	1	1
EF-PILE-TEXT	Existing Piles of Earth Text	0	1	0
EF-POLE-FLAG	Existing Flag Pole	0	3	1
EF-POLE-FLAG-TEXT	Existing Flag Pole Text	0	3	0
EF-POOL	Existing Above or In-Ground Pool	0	1	1
EF-POOL-TEXT	Existing Above or In-Ground Pool Text	0	1	0
EF-POST	Existing Posts	0	3	1
EF-POST-TEXT	Existing Post Text	0	3	0
EF-ROAD-PAVD-EOP	Existing Paved Road - Edge of Pavement	NJTA_E_EOP	3	2
EF-ROAD-PAVD-EOS	Existing Paved Road - Edge of Shoulder	0	3	2
EF-ROAD-TEXT	Existing Road Names	0	3	1
EF-ROAD-UPVD	Existing Unpaved Road - Edge of Road	NJTA_E_EOP	3	1
EF-RRTK	Existing Railroad Tracks	NJTA_RRtrack	5	0
EF-RRTK-TEXT	Existing Railroad Track Text	0	5	0
EF-SIGN	Existing Signs and Posts	0	3	1
EF-SIGN-TEXT	Existing Sign and Post Text	0	3	1
EF-SHTG	Existing Sheeting	NJTA_Sheeting	3	1
EF-STRC	Existing Structures (General Unknown)	0	3	1
EF-STRC-BLBD	Existing Billboard Structure	0	3	1
EF-STRC-BLBD-TEXT	Existing Billboard Structure Text	0	3	0
EF-STRC-SIGN-CANT	Existing Cantilever Sign Structures	0	3	1
EF-STRC-SIGN-OVHD	Existing Overhead Sign Structures	0	3	1
EF-STRC-SIGN-TEXT	Existing Sign Structure Text	0	3	0
EF-STRC-TEXT	Existing Structures Text	0	3	0
EF-STRC-WALL	Existing Retaining Wall Structures	0	3	1
EF-SWLK	Existing Sidewalks (General Unknown)	0	3	1
EF-SWLK-ASPH	Existing Asphalt Sidewalks	0	3	1
EF-SWLK-CONC	Existing Concrete Sidewalks	0	3	1
EF-SWLK-TEXT	Existing Sidewalk Text	0	3	1
EF-SWMP	Existing Water Swamp Areas	NJTA_Swamp	3	1
EF-SWMP-TEXT	Existing Water Swamp Area Text	0	5	0

RNNNCCC-E-FEAT.dgn - EXISTING FEATURES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EF-TOPO-TEXT	Existing Topographic Text	0	2	0
EF-VEGE-GENL	Existing General Vegetation	0	3	1
EF-VEGE-SHRB	Existing Shrub, Bush, Individual	0	3	1
EF-VEGE-SHRB-LINE	Existing Shrub Line, Plantings	NJTA_Shrub-Line	3	1
EF-VEGE-SHRB-TEXT	Existing Shrub Line, Planting Text	0	3	1
EF-VEGE-TREE	Existing Individual Trees	0	5	1
EF-VEGE-TREE-LINE	Existing Tree Line	NJTA_Treeline-Arc	5	1
EF-VEGE-TREE-TEXT	Existing Tree Text	0	5	1
EF-WATR	Existing Pond, Lake, etc. (Enclosed Water Bodies)	NJTA_Stream	3	1
EF-WATR-TEXT	Existing Pond, Lake, etc. Text	0	5	0
EF-WALL	Existing Walls (General)	0	20	1
EF-WETL-MARSH	Existing Wetland Marsh	6	0	0
EF-WWAY	Existing Waterway, Stream, etc. (Flowing Water Pathways)	NJTA_Stream	3	1
EF-WWAY-ELEV	Existing Water Elevation	0	0	0
EF-WWAY-TEXT	Existing Waterway, Stream, etc. Text	0	5	0

RNNNCCC-E-GEOT.dgn - EXISTING GEOTECHNICAL				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EG-BORE	Existing Boring Locations	0	3	0
EG-BORE-NPLT	Existing Boring Non-Plotting level	0	143	1
EG-BORE-ROAD	Existing Highway Boring	0	2	2
EG-BORE-ROAD-TEXT	Existing Highway Boring Text	0	4	2
EG-BORE-STRC	Existing Structures Boring	0	2	2
EG-BORE-STRC-TEXT	Existing Structures Boring Text	0	4	2
EG-BORE-TEXT	Existing Boring Location Text	0	3	0
EG-BORE-TYPE-CPT	Existing Cone Penetrometer Test	0	2	2
EG-BORE-TYPE-CPT-TEXT	Existing Cone Penetrometer Test Text	0	4	2
EG-BORE-TYPE-CSL	Existing Crosshole Seismic Logging	0	2	2
EG-BORE-TYPE-CSL-TEXT	Existing Crosshole Seismic Logging Text	0	4	2
EG-BORE-TYPE-PERC	Existing Percolation Test Location	0	2	2
EG-BORE-TYPE-PERC-TEXT	Existing Percolation Test Location Text	0	4	2
EG-BORE-TYPE-SPT	Existing Standard Penetration Test Boring (Verified)	0	2	2
EG-BORE-TYPE-SPT-TEXT	Existing Standard Penetration Test Boring (Verified) Text	0	4	2
EG-GEOT	Existing Miscellaneous Geotechnical Lines	5	0	1
EG-GEOT-NPLT	Existing Non-Plotting Geotechnical Elements	0	0	1
EG-GEOT-TEXT	Existing Miscellaneous Geotechnical Text	0	0	1
EG-MONI-WELL-NLOC	Existing Monitoring Well New Location	0	2	2
EG-MONI-WELL-NLOC-TEXT	Existing Monitoring Well New Location Text	0	4	2
EG-MONI-WELL-OLOC	Existing Monitoring Well Old Location	0	2	2
EG-MONI-WELL-OLOC-TEXT	Existing Monitoring Well Old Location Text	0	4	2
EG-SOIL	Existing Soil Designation Lines	5	1	1
EG-SOIL-TEXT	Existing Soil Text	0	0	1
EG-SPOT-ELEV	Existing Spot Elevation Tick Marks	0	0	1
EG-SPOT-ELEV-TEXT	Existing Spot Elevation Text	0	1	1

RNNNCCC-E-GRAD.dgn - EXISTING GRADING				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EG-CONT-DEPR	Existing Depressed Areas	NJTA_Contour-Minor	3	1
EG-CONT-DEPR-TEXT	Existing Depressed Area Text	0	3	1
EG-CONT-DEPR-MAJR	Existing Depressed Major Contours	NJTA_Contour-Major	0	1
EG-CONT-DEPR-MAJR-TEXT	Existing Depressed Major Contour Text	0	3	1
EG-CONT-DEPR-MINR	Existing Depressed Minor Contours	NJTA_Contour-Minor	0	1
EG-CONT-DEPR-MINR-TEXT	Existing Depressed Minor Contour Text	0	3	1
EG-CONT-OBSC-MAJR	Existing Obscured Major Contours	NJTA_Contour-Major	0	1
EG-CONT-OBSC-MAJR-TEXT	Existing Obscured Major Contour Text	0	3	1
EG-CONT-OBSC-MINR	Existing Obscured Minor Contours	NJTA_Contour-Minor	0	1
EG-CONT-OBSC-MINR-TEXT	Existing Obscured Minor Contour Text	0	3	1
EG-CONT-MAJR	Existing Major Contour Lines	NJTA_Contour-Major	2	2
EG-CONT-MAJR-TEXT	Existing Major Contour Text	0	2	2
EG-CONT-MINR	Existing Minor Contour Lines	NJTA_Contour-Minor	1	1
EG-CONT-MINR-TEXT	Existing Minor Contour Text	0	1	1
EG-SOUN-ELEV	Existing Sounding & Overbank Elevation Tick Marks	0	0	1
EG-SOUN-ELEV-TEXT	Existing Sounding & Overbank Elevation Text	0	1	1
EG-SPOT-ELEV	Existing Spot Elevation Tick Marks	0	0	1
EG-SPOT-ELEV-TEXT	Existing Spot Elevation Text	0	1	1
EG-SPOT-DEPR	Existing Low Points	0	0	2
EG-SPOT-DEPR-TEXT	Existing Low Point Text	0	3	2
EG-SPOT-HIGH	Existing High Points	0	0	2
EG-SPOT-HIGH-TEXT	Existing High Point Text	0	3	2
EG-TOPO-OBSC-AREA	Existing Obscured Topo Areas	0	3	1

RNNNCCC-E-ISYS.dgn - EXISTING INTELLIGENT TRANSPORTATION SYSTEM				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EI-TOLL-EQUP	Existing ETC Equipment & Devices	0	21	1
EI-TOLL-MISC	Existing Miscellaneous ETC Elements	0	21	1
EI-TOLL-SIGN	Existing Articulated or Electronic toll Lane Signs	0	21	1
EI-TOLL-SIGN-TEXT	Existing Articulated or Electronic toll Lane Sign Text	0	21	1
EI-TOLL-COND	Existing ETC Conduits & Cables	0	21	1
EI-TOLL-HHOL	Existing ETC Handholes, Junction Boxes, Manholes, etc.	0	21	1
EI-TOLL-DIMS	Existing ETC Dimensions	0	21	1
EI-TOLL-TEXT	Existing ETC Text	0	21	1
EI-ISYS-EQUP	Existing ITS Equipment & Devices	0	22	1
EI-ISYS-MISC	Existing Miscellaneous ITS Elements	0	22	1
EI-ISYS-COND	Existing ITS Conduits & Cables	0	21	1
EI-ISYS-HHOL	Existing ITS Handholes & Junction Boxes	0	21	1
EI-ISYS-MHOL	Existing ITS Manholes	0	21	1
EI-ISYS-DIMS	Existing ITS Dimensions	0	21	1
EI-ISYS-TEXT	Existing ITS Text	0	22	1
EI-MISC	Existing Miscellaneous	0	19	1
EI-MISC-TEXT	Existing Miscellaneous text, dims, callouts, notes	0	19	1
EI-NPLT	Existing Electrical Non-plotting level	0	143	1

RNNNCCC-E-SURV.dgn - EXISTING SURVEY				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
ES-BNDY-CNTY	County Boundaries	NJTA_Boundary-Line	3	2
ES-BNDY-CNTY-TEXT	County Text	0	3	2
ES-BNDY-MUNC	Municipal Boundaries	NJTA_Boundary-Line	1	1
ES-BNDY-MUNC-TEXT	Municipal Text	0	1	1
ES-BNDY-TSHP	Township Boundaries	NJTA_Boundary-Line	27	4
ES-BNDY-TSHP-TEXT	Township Text	0	0	1
ES-COOR-PNTS	Existing Coordinate Points/Symbols	0	0	0
ES-COOR-TEXT	Existing Coordinate Text	0	0	0
ES-ESMT	Existing Easement Lines	NJTA_Easement	0	0
ES-ESMT-ACSS	Existing Access Easement Lines	NJTA_Easement	0	0
ES-ESMT-SLOP	Existing Slope Easement Lines	NJTA_Easement	0	0
ES-ESMT-TEXT	Existing Easement Text	0	0	0
ES-ESMT-UTIL	Existing Utility Easement Lines	NJTA_Easement	0	0
ES-GRID	Existing Survey Grid Lines	1	0	0
ES-GRID-TEXT	Existing Survey Grid Text	0	0	0
ES-LROW	Existing Legal ROW Lines	NJTA_E_ROW	18	2
ES-LROW-DIMS	Existing Legal ROW Dimensions	0	2	0
ES-LROW-LMTA	Existing Legal ROW - Limited Access	NJTA_E_ROW	2	0
ES-LROW-MISC	Miscellaneous Legal ROW Elements	0	2	0
ES-LROW-MRKR	Existing Legal ROW Markers	0	2	0
ES-LROW-MRKR-TEXT	Existing Legal ROW Marker Text	0	2	0
ES-LROW-NOAC	Existing Legal ROW - No Access	NJTA_Boundary-NoAccess	2	0
ES-LROW-TEXT	Existing Legal ROW Text	0	2	0
ES-LROW-ZLNE	Existing Legal ROW Z Lines	NJTA_Property-ZLine	2	0
ES-MISC	Miscellaneous Survey Items	0	0	0
ES-MISC-TEXT	Miscellaneous Survey Items Text	0	0	0
ES-MNMT-RCVD	Existing Recovered Survey Monmuments	0	0	0
ES-MNMT-RCVD-TEXT	Existing Recovered Monument Text	0	0	0
PS-MNMT-PLCD	Existing Set/Placed Survey Monmuments	0	0	0
PS-MNMT-PLCD-TEXT	Existing Set/Placed Monument Text	0	0	0
ES-MNMT-USGS	Existing USGS Survey Monmuments	0	0	0
ES-MNMT-USGS-TEXT	Existing USGS Monument Text	0	0	0
ES-NPLT	Miscellaneous Non-Plotting Survey Items	0	0	0
ES-PROP	Existing Property, Lot and Parcel Lines	NJTA_Property-Line	0	0
ES-PROP-BLCK	Existing Property Block Information	0	0	0
ES-PROP-DEED	Existing Property Deed Information	0	0	0
ES-PROP-LOTS	Existing Property Lot Information	0	0	0
ES-PROP-MISC	Miscellaneous Property Elements	0	0	0
ES-PROP-MRKR	Existing Property Markers	0	2	0
ES-PROP-MRKR-TEXT	Existing Property MarkerText	0	2	0

RNNNCCC-E-SURV.dgn - EXISTING SURVEY				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
ES-PROP-OWNR	Existing Property Owner Information	0	0	0
ES-PROP-ZLNE	Existing Property Z Lines	NJTA_Property-ZLine	0	0
ES-TRAV-BASE	Existing Survey Traverse Baselines	4	0	0
ES-TRAV-TEXT	Existing Survey Traverse Text	0	0	0

RNNNCCC-E-TRAF.dgn - EXISTING TRAFFIC				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
ET-FLOW-ARRW	Existing Traffic Flow Arrow	0	0	1
ET-LANE-LINE	Existing Lane Stripe Line	0	1	1
ET-LANE-MRKG	Existing Painted Lane Markings/Symbols	0	1	1
ET-RPMK-TEXT	Existing Raised Pavement Marker Text	0	0	0
ET-RPMK-WHIT	Existing Raised Pavement Markers - White	0	0	0
ET-RPMK-YELO	Existing Raised Pavement Markers - Yellow	0	0	0
ET-RUMB-STRP	Existing Rumble Strip	0	0	0
ET-RUMP-STRP-TEXT	Existing Rumble Strip Text	0	0	0
ET-SGNL	Existing Traffic Signal	0	17	0
ET-SGNL-EQUP	Existing Traffic Signal Equipment	0	17	1
ET-SGNL-JBOX	Existing Traffic Signal Junction Boxes	0	17	0
ET-SGNL-LOOP	Existing Loop Detector	0	17	0
ET-SGNL-LOOP-TEXT	Existing Loop Detector Text	0	17	0
ET-SGNL-MISC	Existing Traffic Signal Miscellaneous	0	17	1
ET-SGNL-COND	Existing Traffic Signal Conduits & Cables	0	17	1
ET-SGNL-TEXT	Existing Traffic Signal Text	0	17	0
ET-SIGN-GUID	Existing Post Mounted Guide Sign	0	0	0
ET-SIGN-GUID-TEXT	Existing Post Mounted Guide Sign Text	0	0	0
ET-SIGN-REGL	Existing Post Mounted Regulatory Sign	0	0	0
ET-SIGN-REGL-TEXT	Existing Post Mounted Regulatory Sign Text	0	0	0
ET-SIGN-WARN	Existing Post Mounted Warning Sign	0	0	0
ET-SIGN-WARN-TEXT	Existing Post Mounted Warning Sign Text	0	0	0
ET-STRP-DIMS	Existing Striping Dimensions	0	0	0
ET-STRP-TEXT	Existing Stripe Text	0	0	0
ET-STRP-WHIT	Solid White Line	0	2	2
ET-STRP-WHIT-BRKN	Broken White Line	0	2	2
ET-STRP-WHIT-DOTT	Dotted White Line	0	1	1
ET-STRP-YELO	Solid Yellow Line	0	2	2
ET-STRP-YELO-BRKN	Broken Yellow Line	0	2	2
ET-STRP-YELO-DOTT	Dotted Yellow Line	0	1	1

RNNNCCC-E-UTIL.dgn - EXISTING UTILITIES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EU-CATV-OVHD	Existing Overhead Cable	NJTA_E_CableTV-OH	23	1
EU-CATV-OVHD-TEXT	Existing Overhead Cable Text	0	23	1
EU-CATV-UGND	Existing Underground Cable	NJTA_E_CableTV	23	1
EU-CATV-UGND-TEXT	Existing Underground Cable Text	0	23	1
EU-ELEC-MHOL	Existing Electric Manhole	0	19	1
EU-ELEC-MHOL-TEXT	Existing Electric Manhole Text	0	19	1
EU-ELEC-OVHD	Existing Overhead Electric	NJTA_E_Electric-OH	19	1
EU-ELEC-OVHD-TEXT	Existing Overhead Electric Text	0	19	1
EU-ELEC-POWR-EQUP	Existing Electric Power Equipment	0	19	1
EU-ELEC-POWR-EQUP-TEXT	Existing Electric Power Equipment Text	0	19	1
EU-ELEC-UGND	Existing Underground Electric	NJTA_E_Electric	19	1
EU-ELEC-UGND-TEXT	Existing Underground Electric Text	0	19	1
EU-FIBR	Existing Fiber-Optic Markers, etc.	0	22	1
EU-FIBR-OVHD	Existing Overhead Fiber-Optic	NJTA_E_FiberOptic-OH	22	1
EU-FIBR-OVHD-TEXT	Existing Overhead Fiber-Optic Text	0	22	1
EU-FIBR-UGND	Existing Underground Fiber-Optic	NJTA_E_FiberOptic	22	1
EU-FIBR-UGND-ADES	Existing Underground Fiber-Optic-Adesta	NJTA_E_FiberOptic	22	1
EU-FIBR-UGND-ATT	Existing Underground Fiber-Optic-AT&T	NJTA_E_FiberOptic	22	1
EU-FIBR-UGND-MCI	Existing Underground Fiber-Optic-MCI-VERIZON	NJTA_E_FiberOptic	22	1
EU-FIBR-UGND-SPRI	Existing Underground Fiber-Optic-Sprint	NJTA_E_FiberOptic	22	1
EU-FIBR-UGND-TEXT	Existing Underground Fiber-Optic Text	0	22	1
EU-FUEL	Existing Fuel System Piping	0	166	1
EU-FUEL-EQUP	Existing Fuel System Components	0	166	1
EU-FUEL-TEXT	Existing Fuel System Component Text	0	166	1
EU-LITE-COND	Existing Lighting Conduits	NJTA_Conduit-General	23	1
EU-LITE-COND-ASBC	Existing Lighting Conduits, Type Asbestos Cement	NJTA_Conduit-General	23	1
EU-LITE-COND-GRMC	Existing Lighting Conduits, Type Galvanized Rigid Metal	NJTA_Conduit-General	23	1
EU-LITE-COND-PVC4	Existing Lighting Conduits, Type PVC 40	NJTA_Conduit-General	23	1
EU-LITE-COND-PVC8	Existing Lighting Conduits, Type PVC 80	NJTA_Conduit-General	23	1
EU-LITE-COND-PVCE	Existing Lighting Conduits, Type PVC Exposed	NJTA_Conduit-General	23	1
EU-LITE-COND-STRC	Existing Lighting Conduits, Type Galvanized on Structures	NJTA_Conduit-General	23	1
EU-LITE-EQUP	Existing Lighting Equipment & Devices	0	23	1
EU-LITE-JBOX	Existing Roadway Lighting Junction Boxes	0	23	1
EU-LITE-JFND	Existing Roadway Lighting Junction Box Foundations	0	23	1
EU-LITE-PEDS	Existing Pedestrian Lighting	0	23	1
EU-LITE-RDWY	Existing Roadway Lighting	0	23	1
EU-LITE-SIGN	Existing Signage Lighting	0	23	1
EU-LITE-TEXT	Existing Roadway Lighting Text	0	23	1
EU-LITE-TRAF	Existing Traffic Signal	0	23	1
EU-LITE-TRAF-TEXT	Existing Traffic Signal Text	0	23	1

RNNNCCC-E-UTIL.dgn - EXISTING UTILITIES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EU-MISC	Existing Miscellaneous Utility Elements	0	3	1
EU-MISC-TANK	Existing Miscellaneous Tank Gas-Oil-Water	0	166	1
EU-MISC-TEXT	Existing Miscellaneous Utility Element Text	0	3	1
EU-MISC-TOWR	Existing Miscellaneous Tower	0	3	1
EU-MISC-TOWR-TEXT	Existing Miscellaneous Tower Text	0	3	1
EU-NGAS	Existing Natural Gas Line	NJTA_E_Gas	20	1
EU-NGAS-02IN	Existing Natural Gas Line 2 Inch	NJTA_E_Gas-02"	20	1
EU-NGAS-03IN	Existing Natural Gas Line 3 Inch	NJTA_E_Gas-03"	20	1
EU-NGAS-04IN	Existing Natural Gas Line 4 Inch	NJTA_E_Gas-04"	20	1
EU-NGAS-06IN	Existing Natural Gas Line 6 Inch	NJTA_E_Gas-06"	20	1
EU-NGAS-08IN	Existing Natural Gas Line 8 Inch	NJTA_E_Gas-08"	20	1
EU-NGAS-12IN	Existing Natural Gas Line 12 Inch	NJTA_E_Gas-12"	20	1
EU-NGAS-16IN	Existing Natural Gas Line 16 Inch	NJTA_E_Gas-16"	20	1
EU-NGAS-36IN	Existing Natural Gas Line 36 Inch	NJTA_E_Gas-36"	20	1
EU-NGAS-MHOL	Existing Natural Gas Manholes	0	20	1
EU-NGAS-MHOL-TEXT	Existing Natural Gas Manhole Text	0	20	1
EU-NGAS-TEXT	Existing Natural Gas Line Text	0	20	1
EU-NGAS-VALV	Existing Natural Gas Valves	0	20	1
EU-NGAS-VALV-TEXT	Existing Natural Gas Valve Text	0	20	1
EU-NPLT	Existing Non-Plotting Utility Elements	0	143	1
EU-POLE	Existing Utility Poles	0	1	1
EU-POLE-GUYW	Existing Utility Poles - Guy Wire Anchors	0	1	1
EU-POLE-GUYW-TEXT	Existing Utility Poles - Guy Wire Anchors Text	0	1	1
EU-POLE-TEXT	Existing Utility Pole Text and Markers	0	1	1
EU-SSWR	Existing Sanitary Sewer Pipes	NJTA-Esan	18	1
EU-SSWR-MHOL	Existing Sanitary Manholes	0	18	1
EU-SSWR-MHOL-TEXT	Existing Sanitary Manholes Text	0	18	1
EU-SSWR-TEXT	Existing Sanitary Pipes Text	0	18	1
EU-STRM	Existing Storm Drainage Pipes	0	1	1
EU-STRM-INLT	Existing Storm Drainage Inlets	0	1	1
EU-STRM-INLT-TEXT	Existing Storm Drainage Inlet Text	0	2	1
EU-STRM-MHOL	Existing Storm Drainage Manholes	0	1	1
EU-STRM-MHOL-TEXT	Existing Storm Drainage Manhole Text	0	2	1
EU-STRM-STRC	Existing Storm Headwalls, Endwalls, Structures, etc.	0	1	1

RNNNCCC-E-UTIL.dgn - EXISTING UTILITIES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EU-STRM-STRC-TEXT	Existing Storm Drainage Structures Text	0	2	1
EU-STRM-TEXT	Existing Storm Drainage Pipes Text	0	1	1
EU-TELE-CBNT	Existing Telephone Cabinet	0	13	1
EU-TELE-CBNT-TEXT	Existing Telephone Cabinet Text	0	13	1
EU-TELE-MHOL	Existing Underground Telephone Manholes	0	13	1
EU-TELE-MHOL-TEXT	Existing Telephone Manhole Text	0	13	1
EU-TELE-OVHD	Existing Overhead Telephone	NJTA_E_Telephone-OH	13	1
EU-TELE-OVHD-TEXT	Existing Overhead Telephone Text	0	13	1
EU-TELE-UGND	Existing Underground Telephone	NJTA_E_Telephone	13	1
EU-TELE-UGND-TEXT	Existing Underground Telephone Text	0	13	1
EU-TEST-PITS	Existing Test Pit Locations	0	3	1
EU-TEST-PITS-TEXT	Existing Test Pit Text	0	3	1
EU-UNKN-MHOL	Existing Unknown Manhole	0	1	1
EU-WATR	Existing Water Line	NJTA_E_Water	17	1
EU-WATR-06IN	Existing Water Line 6 Inch	NJTA_E_Water-06"	17	1
EU-WATR-08IN	Existing Water Line 8 Inch	NJTA_E_Water-08"	17	1
EU-WATR-10IN	Existing Water Line 10 Inch	NJTA_E_Water-10"	17	1
EU-WATR-12IN	Existing Water Line 12 Inch	NJTA_E_Water-12"	17	1
EU-WATR-16IN	Existing Water Line 16 Inch	NJTA_E_Water-16"	17	1
EU-WATR-FHYD	Existing Water Fire Hydrant	0	17	1
EU-WATR-FHYD-TEXT	Existing Water Fire Hydrant Text	0	17	1
EU-WATR-MHOL	Existing Water Supply Manholes	0	17	1
EU-WATR-MHOL-TEXT	Existing Water Supply Manhole Text	0	17	1
EU-WATR-STRC	Existing Water Supply Structures	0	17	1
EU-WATR-STRC-TEXT	Existing Water Supply Structures Text	0	17	1
EU-WATR-TEXT	Existing Water Line Text	0	17	1
EU-WATR-VALVE	Existing Water Valve	0	17	1
EU-WATR-VALVE-TEXT	Existing Water Valve Text	0	17	1
EU-WATR-WELL	Existing Well Water Supply	0	17	1

RNNNCCC-E-WET.dgn - EXISTING WETLANDS				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
EW-FLHZ-010Y	Existing 10 Year Flood Delineation	NJTA_Flood-10Yr	58	4
EW-FLHZ-050Y	Existing 50 Year Flood Delineation	NJTA_Flood-Hazard	58	3
EW-FLHZ-100Y	Existing 100 Year Flood Delineation	NJTA_Flood-Hazard	58	2
EW-FLHZ-500Y	Existing 500 Year Flood Delineation	NJTA_Flood-Hazard	58	1
EW-FLHZ-MISC	Miscellaneous Existing Flood Hazard Elements	0	0	1
EW-FLHZ-TEXT	Existing Flood Year Text	0	58	1
EW-TIDE	Existing Tidelands Claim Line	0	4	1
EW-TIDE-TEXT	Existing Tidelands Claim Line Text	0	0	1
EW-WETL	Existing Wetland Delineation Line	NJTA_Wetland	3	2
EW-WETL-BUFR-50FT	Existing Wetlands 50' Buffer/Transition Line	NJTA_Wetland-Buffer	4	1
EW-WETL-BUFR-TEXT	Existing Wetland Buffer/Transition Text	0	0	1
EW-WETL-FWTR	Existing Freshwater Wetland Delineation	0	4	1
EW-WETL-HTCH-EMERGENT	Hatching for Existing Emergent Wetland Types	0	30	1
EW-WETL-HTCH-FORESTED	Hatching for Existing Forested Wetland Types	0	30	1
EW-WETL-HTCH-INTERTIDAL	Hatching for Existing Intertidal Wetland Types	0	30	1
EW-WETL-HTCH-OPEN WATER	Hatching for Existing Open Water Wetland Types	0	30	1
EW-WETL-HTCH-SCRUB SHRUB	Hatching for Existing Scrub Shrub Wetland Types	0	30	1
EW-WETL-HTCH-TIDAL MARSH	Hatching for Existing Tidal Marsh Wetland Types	0	30	1
EW-WETL-IMPC-PERM	Permanent Existing Wetland Impact Area	0	4	1
EW-WETL-IMPC-PERM-BRDG	Permanent Existing Wetland Impact Area - Bridge Areas	0	4	1
EW-WETL-IMPC-PERM-BRDG-TEXT	Permanent Wetland Impact Area - Bridge Area Text	0	4	1
EW-WETL-IMPC-PERM-TEXT	Permanent Existing Wetland Impact Text	0	0	1
EW-WETL-IMPC-TEMP	Temporary Existing Wetland Impact Area	0	4	1
EW-WETL-IMPC-TEMP-TEXT	Temporary Existing Wetland Impact Text	0	0	1
EW-WETL-IRVW	Existing Immediate Resource Value Wetland Delineation	0	4	1
EW-WETL-MISC	Miscellaneous Ploting Wetland Elements	0	2	1
EW-WETL-NPLT	Miscellaneous Non-Ploting Wetland Elements	0	4	1
EW-WETL-ORVW	Existing Ordinary Resource Value Wetland Delineation	0	4	1
EW-WETL-PNTS-BASS-REV	Revised Surveyed Wetlands Delineation Points - Bass River	0	2	1
EW-WETL-PNTS-ELEV	Surveyed Wetlands Delineation Flag Elevation	0	0	1
EW-WETL-PNTS-MRKR	Surveyed Wetlands Delineation Flag Points	0	4	1
EW-WETL-PNTS-TEXT	Existing Wetlands Delineation Flag Text	0	0	1
EW-WETL-TEXT	Existing Wetland Text	0	0	1
EW-WWAY-XSEC	Existing Stream/Waterway	0	4	1
EW-WWAY-XSEC-CLNE	Existing Stream/Waterway Centerline	0	0	1
EW-WWAY-XSEC-TEXT	Existing Stream/Waterway Text	0	0	1

RNNNCCC-P-BLNE.dgn - PROPOSED BASELINE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PR-ALGN-030S-HORZ-BLNE	Proposed 30 Scale Baselines	0	2	2
PR-ALGN-030S-HORZ-BLNE-TEXT	Proposed 30 Scale General Baseline Text (Name, etc.)	0	5	3
PR-ALGN-030S-HORZ-CARD-PNTS	Proposed 30 Scale Baseline Cardinal Point Leaders/Symbols	0	5	3
PR-ALGN-030S-HORZ-CARD-TEXT	Proposed 30 Scale Baseline Cardinal Point Text	0	5	3
PR-ALGN-030S-HORZ-CURV-TEXT	Proposed 30 Scale Baseline Curve Text	0	5	3
PR-ALGN-030S-HORZ-EQUA-TEXT	Proposed 30 Scale Baseline Equation Text	0	5	3
PR-ALGN-030S-HORZ-EVNT-PNTS	Proposed 30 Scale Baseline Event Point Text	0	5	3
PR-ALGN-030S-HORZ-EVNT-TEXT	Proposed 30 Scale Baseline Event Point Leaders/Symbols	0	5	3
PR-ALGN-030S-HORZ-STAT-MAJR-TEXT	Proposed 30 Scale Baseline Major Station Text	0	0	3
PR-ALGN-030S-HORZ-STAT-MAJR-TICK	Proposed 30 Scale Baseline Major Station Tick Marks	0	4	3
PR-ALGN-030S-HORZ-STAT-MINR-TEXT	Proposed 30 Scale Baseline Minor Station Text	0	5	3
PR-ALGN-030S-HORZ-STAT-MINR-TICK	Proposed 30 Scale Baseline Minor Station Tick Marks	0	6	3
PR-ALGN-030S-HORZ-TANG-TEXT	Proposed 30 Scale Baseline Tangent Text	0	5	3
PR-ALGN-050S-HORZ-BLNE	Proposed 50 Scale Baselines	0	2	2
PR-ALGN-050S-HORZ-BLNE-TEXT	Proposed 50 Scale General Baseline Text (Name, etc.)	0	5	3
PR-ALGN-050S-HORZ-CARD-PNTS	Proposed 50 Scale Baseline Cardinal Point Leaders/Symbols	0	5	3
PR-ALGN-050S-HORZ-CARD-TEXT	Proposed 50 Scale Baseline Cardinal Point Text	0	5	3
PR-ALGN-050S-HORZ-CURV-TEXT	Proposed 50 Scale Baseline Curve Text	0	5	3
PR-ALGN-050S-HORZ-EQUA-TEXT	Proposed 50 Scale Baseline Equation Text	0	5	3
PR-ALGN-050S-HORZ-EVNT-PNTS	Proposed 50 Scale Baseline Event Point Text	0	5	3
PR-ALGN-050S-HORZ-EVNT-TEXT	Proposed 50 Scale Baseline Event Point Leaders/Symbols	0	5	3
PR-ALGN-050S-HORZ-STAT-MAJR-TEXT	Proposed 50 Scale Baseline Major Station Text	0	0	3
PR-ALGN-050S-HORZ-STAT-MAJR-TICK	Proposed 50 Scale Baseline Major Station Tick Marks	0	4	3
PR-ALGN-050S-HORZ-STAT-MINR-TEXT	Proposed 50 Scale Baseline Minor Station Text	0	5	3
PR-ALGN-050S-HORZ-STAT-MINR-TICK	Proposed 50 Scale Baseline Minor Station Tick Marks	0	6	3
PR-ALGN-050S-HORZ-TANG-TEXT	Proposed 50 Scale Baseline Tangent Text	0	5	3
PR-ALGN-MISC	Proposed Miscellaneous Alignment Elements	0	5	2
PR-ALGN-NPLT	Proposed Non-Plotting Alignment Elements	0	2	2
PR-COGO-PNTS	Proposed Alignment COGO Points	0	0	1
PR-COGO-TEXT	Proposed Alignment COGO Text	0	0	1

RNNNCCC-P-BRDG.dgn - PROPOSED BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PB-ABUT	Proposed Abutment Elements (General)	0	4	3
PB-ABUT-BATR	Proposed Abutment Batter Lines	0	6	1
PB-ABUT-BEAR	Proposed Abutment Bearings	0	6	3
PB-ABUT-BEAR-PADS	Proposed Abutment Bearing Pads	0	4	3
PB-ABUT-DRAN	Proposed Abutment Drainage	0	5	2
PB-ABUT-DRAN-HIDN	Proposed Hidden Abutment Drainage	2	5	1
PB-ABUT-FTNG	Proposed Abutment Footings	0	4	3
PB-ABUT-FTNG-HIDN	Proposed Abutment Footings Hidden	2	4	2
PB-ABUT-FTNG-JNTS	Proposed Abutment Footing Joints	0	6	2
PB-ABUT-FTNG-JNTS-HIDN	Proposed Abutment Footing Joints Hidden	2	6	1
PB-ABUT-FTNG-REIN	Proposed Abutment Footing Reinforcement	0	3	4
PB-ABUT-HEAD	Proposed Abutment Header	0	4	3
PB-ABUT-HEAD-HIDN	Proposed Abutment Header Hidden	2	4	2
PB-ABUT-JNTS	Proposed Abutment Joints	0	6	2
PB-ABUT-JNTS-HIDN	Proposed Abutment Joints Hidden	2	6	1
PB-ABUT-PILE	Proposed Abutment Piles	0	6	3
PB-ABUT-PILE-HIDN	Proposed Abutment Piles Hidden	2	6	2
PB-ABUT-WALL	Proposed Abutment Wall	0	4	3
PB-ABUT-WALL-HIDN	Proposed Abutment Wall Hidden	2	4	2
PB-ABUT-WALL-JNTS	Proposed Abutment Wall Joints	0	6	2
PB-ABUT-WALL-JNTS-HIDN	Proposed Abutment Wall Joints Hidden	2	6	1
PB-ABUT-WALL-REIN	Proposed Abutment Wall Reinforcement	0	3	4
PB-ALUM	Proposed Aluminum Elements	0	7	4
PB-ALUM-HIDN	Proposed Hidden Aluminum Elements	2	7	2
PB-BARR-MEDN	Proposed Median Barrier	0	1	3
PB-BARR-MEDN-COND	Proposed Median Barrier Conduits	0	1	2
PB-BARR-MEDN-COND-HIDN	Proposed Median Barrier Conduits Hidden	2	1	1
PB-BEAM	Proposed Beams	0	7	3
PB-BEAM-HIDN	Proposed Beams Hidden	2	7	2
PB-BEAR-CNTR	Proposed Centerline of Bearings	4	0	1
PB-CNST-TEMP	Proposed Temporary Construction	0	9	3
PB-CNTR-LONG	Proposed Centerline - Long	4	0	1
PB-CNTR-SHRT	Proposed Centerline - Short	4	0	1

RNNNCCC-P-BRDG.dgn - PROPOSED BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PB-CONC	Proposed Bridge Concrete	0	7	4
PB-CONC-HIDN	Proposed Hidden Bridge Concrete	2	7	3
PB-CURB	Proposed Curb Lines	0	1	3
PB-DECK	Proposed Deck	0	1	3
PB-DECK-DRAN	Proposed Deck Drainage	0	1	3
PB-DECK-DRAN-HIDN	Proposed Hidden Deck Drainage	2	1	2
PB-DECK-REIN	Proposed Deck Reinforcement	0	3	4
PB-DETL	Proposed Bridge Detail Elements	0	7	1
PB-DIMS	Proposed Dimensions	0	0	2
PB-DIMS-TEXT	Proposed Dimensions Callout Text	0	0	3
PB-FENC-CLNK	Proposed Chain Link Fence	NJTA_Fence-Clink	6	3
PB-FENC-TEXT	Proposed Fence Text	0	4	3
PB-FENC-WOOD	Proposed Wood Fence	NJTA_Fence-Clink	6	3
PB-FRAM	Proposed Framing	0	7	4
PB-FRAM-HIDN	Proposed Hidden Framing	2	7	2
PB-FSCA	Proposed Fascia Line Work	0	1	2
PB-GIRD-CNTR	Proposed Centerline of Girder	4	0	1
PB-GIRD-SPLC-CNTR	Proposed Centerline of Girder Splice	4	0	1
PB-GPLN-ABUT	Proposed General Plan - Abutment	0	7	4
PB-GPLN-ABUT-HIDN	Proposed General Plan - Hidden	2	7	2
PB-GPLN-BASE	Proposed General Plan - Baseline	0	5	2
PB-GPLN-BASE-TEXT	Proposed General Plan - Baseline Text	0	5	3
PB-GPLN-BEAM	Proposed General Plan - Beam	0	5	3
PB-GPLN-BEAM-HIDN	Proposed General Plan - Hidden Beams	2	5	2
PB-GPLN-BEAR-CNTR	Proposed General Plan - Centerline of Bearings	4	3	1
PB-GPLN-BLNE	Proposed Base Line and Station Tick Marks	0	5	3
PB-GPLN-BLNE-TEXT	Proposed Base Line and Station Text	0	5	3
PB-GPLN-CNTR	Proposed General Plan - Centerline	4	3	1
PB-GPLN-DECK	Proposed General Plan - Deck	0	3	3
PB-GPLN-DECK-HIDN	Proposed General Plan - Hidden Deck	2	3	2
PB-GPLN-DECK-JNTS	Proposed General Plan - Deck Joint	0	3	2
PB-GPLN-DECK-JNTS-HIDN	Proposed General Plan - Hidden Deck Joints	2	3	1
PB-GPLN-FEND	Proposed General Plan - Fender	0	3	3

RNNNCCC-P-BRDG.dgn - PROPOSED BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PB-GPLN-FEND-HIDN	Proposed General Plan - Hidden Fender	2	3	2
PB-GPLN-FRAM	Proposed General Plan - Framing	0	10	3
PB-GPLN-FTNG	Proposed General Plan - Footing	0	3	3
PB-GPLN-FTNG-HIDN	Proposed General Plan - Hidden Footing	2	3	2
PB-GPLN-GRAD-EXST	Proposed General Plan - Existing Grade	3	9	0
PB-GPLN-GRAD-PROP	Proposed General Plan - Proposed Grade	0	3	2
PB-GPLN-INLT	Proposed General Plan - Inlet	0	3	1
PB-GPLN-LITE	Proposed General Plan - Lighting	0	3	2
PB-GPLN-PARA	Proposed General Plan - Parapets	0	3	3
PB-GPLN-PARA-HIDN	Proposed General Plan - Hidden Parapets	2	3	2
PB-GPLN-PIER-CNTR	Proposed General Plan - Centerline of Pier	4	3	1
PB-GPLN-PILE	Proposed General Plan - Piles	0	3	2
PB-GPLN-PILE-CNTR	Proposed General Plan - Centerline of Pile	4	3	1
PB-GPLN-PILE-HIDN	Proposed General Plan - Hidden Piles	2	3	1
PB-GPLN-RTWL	Proposed General Plan - Retaining Walls	0	6	4
PB-GPLN-RTWL-HIDN	Proposed General Plan - Hidden Retaining Walls	2	6	3
PB-GPLN-RZRL	Proposed General Plan - Razorline	0	5	2
PB-GPLN-RZRL-HIDN	Proposed General Plan - Hidden Razorline	2	5	1
PB-GPLN-WALL	Proposed General Plan - Wall	0	6	4
PB-GPLN-WALL-HIDN	Proposed General Plan - Hidden Walls	2	6	3
PB-GPLN-WATR	Proposed General Plan - Water	0	3	1
PB-HIDN	Proposed Hidden Elements (General)	2	2	1
PB-JNTS-CNST	Proposed Construction Joints	0	6	2
PB-JNTS-CNST-OPTL	Proposed Optional Construction Joints	0	6	2
PB-JNTS-CNTR	Proposed Centerline of Joints	4	0	2
PB-JNTS-CTRC	Proposed Contraction Joints	0	6	1
PB-JNTS-EDGE	Proposed Edge of Joint Lines	0	6	2
PB-JNTS-EXPN	Proposed Expansion Joints	0	6	2
PB-JNTS-WTRS	Proposed Joint Waterstops	0	4	1
PB-LANE-LINE	Proposed Traveled Lane Lines	0	2	2
PB-LITE	Proposed Lighting Standards	0	4	3
PB-LITE-UDCK	Proposed Under Deck Lighting	0	4	3
PB-MISC	Proposed Miscellaneous Bridge Elements	0	6	3

RNNNCCC-P-BRDG.dgn - PROPOSED BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PB-MISC-HIDN	Proposed Hidden Miscellaneous Objects	2	6	2
PB-NPLT	Proposed Bridge Non-Plotting Elements	0	254	2
PB-PARA	Proposed Parapet	0	5	4
PB-PARA-COND	Proposed Parapet Conduits	0	5	2
PB-PARA-COND-HIDN	Proposed Parapet Conduits Hidden	2	5	1
PB-PARA-HIDN	Proposed Parapet Hidden	2	5	2
PB-PATT	Proposed Hatch Patterns (General)	0	2	1
PB-PATT-RMVL	Proposed Hatch Patterns For Removal Areas	0	139	1
PB-PIER-BEAR	Proposed Pier Bearings	0	4	3
PB-PIER-BEAR-PADS	Proposed Pier Bearing Pads	0	4	3
PB-PIER-CAPS	Proposed Pier Caps	0	4	3
PB-PIER-CAPS-JNTS	Proposed Pier Cap Joints	0	6	2
PB-PIER-CNTR	Proposed Centerline of Piers	4	0	1
PB-PIER-COLS	Proposed Pier Columns	0	4	3
PB-PIER-COLS-REIN	Proposed Pier Column Reinforcement	0	3	4
PB-PIER-FTNG	Proposed Pier Footings	0	4	3
PB-PIER-FTNG-HIDN	Proposed Hidden Pier Footings	2	4	2
PB-PIER-FTNG-JNTS	Proposed Pier Footing Joints	0	6	2
PB-PIER-FTNG-JNTS-HIDN	Proposed Hidden Pier Footing Joints	2	6	1
PB-PIER-FTNG-REIN	Proposed Pier Footing Reinforcement	0	3	4
PB-PIER-PILE	Proposed Pier Piles	0	6	3
PB-PIER-PILE-HIDN	Proposed Hidden Pier Piles	2	6	2
PB-PNTS-CTRL	Proposed Active/Control Points	0	3	3
PB-RBAR	Proposed Rebar (General)	0	3	4
PB-RBAR-DECK	Proposed Deck Rebar	0	3	4
PB-RBAR-HIDN	Proposed Rebar Hidden (General)	2	3	2
PB-RTWL	Proposed Retaining Walls	0	7	3
PB-RTWL-DRAN	Proposed Retaining Wall Drainage	0	5	2
PB-RTWL-DRAN-HIDN	Proposed Hidden Retaining Wall Drainage	2	5	1
PB-RTWL-HIDN	Proposed Hidden Retaining Walls	2	7	2
PB-RZRL	Proposed Razor Line	0	5	2
PB-RZRL-HIDN	Proposed Razor Line Hidden	2	5	1
PB-SHAD	Proposed Solid Shading Areas	0		1

RNNNCCC-P-BRDG.dgn - PROPOSED BRIDGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PB-SLAB	Proposed Slab Elements	0	1	3
PB-SLAB-EDGE	Proposed End of Slab Lines	0	1	3
PB-SLAB-OPEN	Proposed Slab Openings or Penetrations	0	1	3
PB-SPLC	Proposed Splice Linework	0	1	2
PB-STEL	Proposed Bridge Structural Steel	0	6	4
PB-STEL-DETL	Proposed Bridge Steel Bolts, Plates, etc.	0	6	3
PB-STEL-HIDN	Proposed Hidden Bridge Structural Steel	2	6	4
PB-SWLK	Proposed Bridge Structure Sidewalks	0	2	3
PB-TEXT	Proposed Text	0	4	3
PB-WING	Proposed Wingwall	0	4	3
PB-WING-BATR	Proposed Wingwall Batter Lines	0	6	1
PB-WING-DRAN	Proposed Wingwall Drainage	0	5	2
PB-WING-DRAN-HIDN	Proposed Hidden Wingwall Drainage	2	5	1
PB-WING-FTNG	Proposed Wingwall Footing	0	4	3
PB-WING-FTNG-HIDN	Proposed Wingwall Footing Hidden	3	4	2
PB-WING-FTNG-JNTS	Proposed Wingwall Footing Joints	0	6	2
PB-WING-FTNG-JNTS-HIDN	Proposed Wingwall Footing Joints Hidden	2	6	1
PB-WING-FTNG-REIN	Proposed Wingwall Footing Reinforcement	0	3	4
PB-WING-HIDN	Proposed Wingwall Hidden	2	4	2
PB-WING-JNTS	Proposed Wingwall Joints	0	6	2
PB-WING-JNTS-HIDN	Proposed Wingwall Joints Hidden	2	6	1
PB-WING-REIN	Proposed Wingwall Reinforcement	0	3	4
PB-WOOD	Proposed Wood Structural Elements	0	7	3
PB-WOOD-HIDN	Proposed Hidden Wood Structural Elements	2	7	2

RNNNCCC-P-DRAN.dgn - PROPOSED DRAINAGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PD-BASN	Proposed Drainage Basin	0	7	4
PD-BASN-TEXT	Proposed Drainage Basin Text	0	2	3
PD-DTCH-PAVD	Proposed Paved Channel or Ditch	NJTA_P_Channel-Paved	7	3
PD-DTCH-PAVD-TEXT	Proposed Paved Channel or Ditch Text	0	7	3
PD-DTCH-UNPV	Proposed Unpaved Channel or Ditch	NJTA_P_Channel-Unpaved	7	3
PD-DTCH-UNPV-TEXT	Proposed Unpaved Channel or Ditch Text	0	7	3
PD-DRNG-AREA	Proposed Drainage Area	0	5	4
PD-FLOW-ARRW	Proposed Drainage Flow Arrows	0	5	1
PD-FLOW-HILO	Proposed High and Low Flow Points	0	1	2
PD-FLOW-HILO-TEXT	Proposed High and Low Flow Point Text	0	2	3
PD-INLT	Proposed Drainage Inlets	0	5	1
PD-INLT-GRAT-TEXT	Proposed Drainage Inlet Grate Text	0	5	1
PD-INLT-INVR-TEXT	Proposed Drainage Inlet Inverts Text	0	5	1
PD-INLT-TEXT	Proposed Drainage Inlet Text	0	5	1
PD-MHOL	Proposed Drainage Manholes	0	5	1
PD-MHOL-ELEV-TEXT	Proposed Drainage Manhole Rim Text	0	5	1
PD-MHOL-INVR-TEXT	Proposed Drainage Manhole Pipe Invert Text	0	5	1
PD-MHOL-TEXT	Proposed Drainage Manhole Text	0	5	1
PD-MISC	Proposed Drainage Misc.	0	5	1
PD-NPLT	Proposed Drainage Non-plotting level	0	143	1
PD-PIPE	Proposed Drainage Pipe	NJTA_Stormpipe	5	1
PD-PIPE-ABND	Proposed Pipe Removal/Abandon Symbols	NJTA_Remove-Symbol	4	2
PD-PIPE-ABND-TEXT	Proposed Pipe Removal/Abandon Text	0	4	2
PD-PIPE-INVR-TEXT	Proposed Drainage Pipe Invert Text	0	5	1
PD-PIPE-TEXT	Proposed Drainage Pipe Text	0	5	1
PD-PLUG	Proposed Drainage Plug	0	1	4
PD-PLUG-TEXT	Proposed Drainage Plug Text	0	2	3
PD-RPRP	Proposed Drainage Rip Rap	0	5	1
PD-RPRP-HIDN	Proposed Drainage Rip Rap Hidden	2	5	1
PD-RPRP-TEXT	Proposed Drainage Rip Rap Text	0	5	1
PD-SESC-HAYB	Proposed SESC Haybales	0	2	3
PD-SESC-INLT-FLTR	Proposed Inlet Filters	0	7	4
PD-SESC-INLT-FLTR-TEXT	Proposed Inlet Filters Text	0	2	3
PD-SESC-SILT-FENC	Proposed Silt Fence	NJTA_Silt-Fence	7	3
PD-SESC-SILT-FENC-HEAV-BLCK	Proposed Silt Fence Heavy Duty Black	NJTA_Silt-Fence-Heav	2	1
PD-SESC-SILT-FENC-HEAV-ORNG	Proposed Silt Fence Heavy Duty Orange	NJTA_Silt-Fence-Heav	6	1
PD-SESC-SILT-FENC-TEXT	Proposed Silt Fence Text	0	2	3
PD-SESC-STAB-MATT-PERM	Proposed Permanent Stability Matting	0	253	0

RNNNCCC-P-DRAN.dgn - PROPOSED DRAINAGE				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PD-SESC-STON-CHEK-TEMP	Proposed Temporary Stone Check Dam	0	6	3
PD-SNOW-FENC	Proposed Snow Fence	NJTA_Fence	5	1
PD-SNOW-FENC-TEXT	Proposed Snow Fence Text	0	5	1
PD-STRC	Proposed Drainage Structures - General	0	5	1
PD-STRC-ENDW	Proposed Endwall Sections	0	1	2
PD-STRC-HDWL	Proposed Headwall Structures	0	1	5
PD-STRC-OUTL	Proposed Drainage Basin Outlet Structures	0	7	4
PD-STRC-OUTL-TEXT	Proposed Drainage Basin Outlet Structure Text	0	2	3
PD-STRC-TEXT	Proposed Drainage Structures Text	0	5	1
PD-STRC-VALT	Proposed Drainage Vault	2	7	2
PD-STRC-VALT-TEXT	Proposed Drainage Vault Text	0	7	2
PD-STRC-WALL-COFF	Proposed Cut-Off Wall	2	4	4
PD-TURB-BARR	Proposed Turbidity Barrier	NJTA_Turbidity-Barrier	2	3
PD-UDRN	Proposed Underdrain	NJTA_P_Underdrain	5	1
PD-UDRN-LEFT	Proposed Under Drain Flow Arrow Left	NJTA_P_Underdrain-L	7	4
PD-UDRN-RGHT	Proposed Under Drain Flow Arrow Right	NJTA_P_Underdrain-R	7	4
PD-UDRN-TEXT	Proposed Underdrain Text	0	2	3

RNNNCCC-P-FEAT.dgn - PROPOSED FEATURES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PF-ATNU-PERM	Proposed Impact Attenutor - Permanent Mount Type	0	2	3
PF-ATNU-TEMP	Proposed Impact Attenutor - Temporary Type	0	2	2
PF-ATNU-TEXT	Proposed Impact Attenutor Text	0	2	3
PF-BARR	Proposed Concrete Barrier	0	3	3
PF-BARR-MEDN	Proposed Concrete Median Barrier Curb	0	3	3
PF-BARR-SGLF	Proposed Concrete Single Face Barrier Curb	0	3	3
PF-BARR-TEMP	Proposed Concrete Barrier Curb - Temporary Type	0	3	2
PF-BARR-TEXT	Proposed Concrete Barrier Text	0	3	3
PF-BERM	Proposed Berm Surfaces	0	6	4
PF-BERM-HTCH	Proposed Berm Hatch Pattern	0	6	1
PF-BERM-SHAD	Proposed Berm Shade Highlite	0	253	0
PF-BERM-TEXT	Proposed Berm Surface Text	0	2	3
PF-BLDG	Proposed Building, House, Shed, Garage, etc.	0	3	4
PF-BLDG-TEXT	Proposed Building, House, Shed, Garage, etc.	0	3	3
PF-BORE	Proposed Boring Locations	0	3	3
PF-BORE-TEXT	Proposed Boring Location Text	0	3	3
PF-BRDG	Proposed Roadway or Pedestrian Bridges	0	0	3
PF-BRDG-ABUT	Proposed Abutments	0	4	3
PF-BRDG-ABUT-HIDN	Proposed Abutment (Hidden)	2	4	1
PF-BRDG-MISC	Proposed Pedestrian or Other Bridge Text	0	0	3
PF-BRDG-ROAD	Proposed Roadway Bridge Outlines	0	0	3
PF-BRDG-TEXT	Proposed Pedestrian or Other Bridges	0	0	3
PF-BRDG-WING	Proposed Wingwalls	0	4	3
PF-BRDG-WING-HIDN	Proposed Wingwall (Hidden)	2	4	3
PF-CURB	Proposed Curb Lines (General)	0	3	2
PF-CURB-ASPH	Proposed Asphalt Curb Lines	0	3	2
PF-CURB-CONC	Proposed Concrete Curb Lines	0	3	2
PF-CURB-STON	Proposed Stone/Block Curb Lines	0	3	2
PF-CURB-TEXT	Proposed Boring Location Text	0	3	3
PF-DRWY-PAVD	Proposed Paved Driveway and Parking Lot Edges	0	4	2
PF-DRWY-TEXT	Proposed Driveway and Parking Lot Edge Text	0	0	3
PF-DRWY-UPVD	Proposed Unpaved Driveway and Parking Lot Edges	0	6	2
PF-DTCH	Proposed Ditch	NJTA_P_Channel-Unpaved	7	3
PF-DTCH-PAVD	Proposed Paved Ditch	NJTA_P_Ditch	7	3
PF-DTCH-TEXT	Proposed Ditch Text	0	2	3
PF-FENC	Proposed Fence (General Unknown)	NJTA_Fence-Clink	4	2
PF-FENC-CLNK	Proposed Chain Link Fence	NJTA_Fence-Clink	20	2

RNNNCCC-P-FEAT.dgn - PROPOSED FEATURES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PF-FENC-TEXT	Proposed Fence Text	0	3	3
PF-FENC-WOOD	Proposed Wood Fence	NJTA_Fence	36	2
PF-GUID	Proposed Steel Guide Rail - Single Face	NJTA_P_Grail	5	4
PF-GUID-DBLF	Proposed Steel Guide Rail - Double Face	NJTA_P_Grail-Double	5	4
PF-GUID-REMV	Proposed Guide Rail	NJTA_Remove-Symbol	5	1
PF-GUID-REMV-TEXT	Proposed Guide Rail	0	5	3
PF-GUID-TEXT	Proposed Guide Rail	0	5	3
PF-GUID-WOOD	Proposed Wood Guide Rail - Single Face	NJTA_P_Grail	5	3
PF-GUID-WOOD-DBLF	Proposed Wood Guide Rail - Double Face	NJTA_P_Grail-Double	5	3
PF-JNTS-SAWC	Proposed Saw Cut Joint	NJTA_Sawcut-Line	3	2
PF-JNTS-SAWC-TEXT	Proposed Saw Cut Text	0	3	3
PF-LIMT-CUT	Proposed Limit of Cut Slope	NJTA_Cut-Line	2	2
PF-LIMT-CUT-TEXT	Proposed Limit of Cut Slope Text	0	2	3
PF-LIMT-DIST	Proposed Limit of Disturbance	NJTA_LOD	0	2
PF-LIMT-FILL	Proposed Limit of Fill Slope	NJTA_Fill-Line	3	2
PF-LIMT-FILL-TEXT	Proposed Limit of Fill Slope Text	0	3	3
PF-LIMT-SLOP-TEXT	Proposed Slope Limit Delineation Text	0	3	3
PF-LIMT-SLOP-TOPT	Proposed Top/Toe of Slope Limits	NJTA_Slope-Line	3	2
PF-MISC	Proposed Miscellaneous Topographic Features	0	4	2
PF-MISC-FEAT	Proposed Miscellaneous Features	0	4	2
PF-MISC-TEXT	Proposed Miscellaneous Topographic Features Text	0	4	2
PF-MMRK	Proposed Mile Markers	0	3	3
PF-MMRK-TEXT	Proposed Mile Marker Text	0	3	3
PF-NPLT	Proposed Non-Plotting Topographic Elements	0	143	1
PF-NVEG	Proposed Non-Vegetative Surfaces	0	3	2
PF-NVEG-TEXT	Proposed Non-Vegetative Surface Text	0	3	3
PF-PATH	Proposed Foot Path, Cart Path, Trail	3	3	2
PF-PATH-TEXT	Proposed Foot Path, Cart Path, Trail Text	0	3	2
PF-PILE	Proposed Piles of Earth	7	1	2
PF-PILE-TEXT	Proposed Pile Text	0	1	3
PF-PVMT-MILL	Proposed Milling	0	4	3
PF-PVMT-MILL-SHAD	Proposed Shade Fill For Mill Area	0	4	0
PF-PVMT-MILL-TEXT	Proposed Milling Text	0	4	3
PF-ROAD-NAME	Proposed Road Names	0	1	3
PF-ROAD-PAVD	Proposed Road - Paved (Side Roads)	0	1	4
PF-ROAD-PAVD-EOP	Proposed Paved Road - Edge of Pavement	0	3	3

RNNNCCC-P-FEAT.dgn - PROPOSED FEATURES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PF-ROAD-PAVD-EOS	Proposed Paved Road - Edge of Shoulder	0	3	4
PF-ROAD-TEXT	Proposed Road Text	0	1	3
PF-ROAD-UPVD	Proposed Unpaved Road - Edge of Road	3	3	3
PF-SIGN	Proposed Signs and Posts	0	2	3
PF-SIGN-TEXT	Proposed Sign and Post Text	0	3	3
PF-STRC	Proposed Structures - General	0	3	3
PF-STRC-HIDN	Proposed Hidden Structural Elements	2	3	1
PF-STRC-SIGN-CANT	Proposed Cantilever Sign Structures	0	3	3
PF-STRC-SIGN-OVHD	Proposed Overhead Sign Structures	0	3	3
PF-STRC-SIGN-TEXT	Proposed Sign Structure Text	0	3	3
PF-STRC-TEXT	Proposed Structures Text	0	3	3
PF-STRC-WALL-RTNG	Proposed Retaining Wall	0	2	3
PF-SWLK	Proposed Sidewalks (General Unknown)	0	3	2
PF-SWLK-ASPH	Proposed Asphalt Sidewalks	0	3	2
PF-SWLK-CONC	Proposed Concrete Sidewalks	0	3	2
PF-SWLK-TEXT	Proposed Sidewalk Text	0	3	3
PF-TOPO-TEXT	Proposed Topographic Text	0	2	2
PF-WATR	Proposed Pond, Lake, etc. (Enclosed Water Bodies)	4	3	3
PF-WATR-TEXT	Proposed Pond, Lake, etc. Text	0	5	3
PF-WWAY	Proposed Waterway, Stream, etc. (Flowing Water Pathways)	4	3	3
PF-WWAY-TEXT	Proposed Waterway, Stream, etc. Text	0	5	3

RNNNCCC-P-GEOT.dgn - PROPOSED GEOTECHNICAL				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PG-BORE	Proposed Boring Locations	0	3	2
PG-BORE-NPLT	Proposed Boring Non-Plotting level	0	143	2
PG-BORE-ROAD	Proposed Highway Boring	0	2	2
PG-BORE-ROAD-TEXT	Proposed Highway Boring Text	0	4	2
PG-BORE-STRC	Proposed Structures Boring	0	2	2
PG-BORE-STRC-TEXT	Proposed Structures Boring Text	0	4	2
PG-BORE-TEXT	Proposed Boring Location Text	0	3	2
PG-BORE-TYPE-CPT	Proposed Cone Penetrometer Test	0	2	2
PG-BORE-TYPE-CPT-TEXT	Proposed Cone Penetrometer Test Text	0	4	2
PG-BORE-TYPE-CSL	Proposed Crosshole Seismic Logging	0	2	2
PG-BORE-TYPE-CSL-TEXT	Proposed Crosshole Seismic Logging Text	0	4	2
PG-BORE-TYPE-PERC	Proposed Percolation Test Location	0	2	2
PG-BORE-TYPE-PERC-TEXT	Proposed Percolation Test Location Text	0	4	2
PG-BORE-TYPE-SPT	Proposed Standard Penetration Test Boring (Verified)	0	2	2
PG-BORE-TYPE-SPT-TEXT	Proposed Standard Penetration Test Boring (Verified) Text	0	4	2
PG-GEOT	Proposed Miscellaneous Geotechnical Lines	5	0	2
PG-GEOT-NPLT	Proposed Non-Plotting Geotechnical Elements	0	0	2
PG-GEOT-TEXT	Proposed Miscellaneous Geotechnical Text	0	0	2
PG-MONI-WELL	Proposed Monitoring Well Location	0	2	2
PG-MONI-WELL-TEXT	Proposed Monitoring Well Location Text	0	4	2
PG-SOIL	Proposed Soil Designation Lines	5	1	2
PG-SOIL-TEXT	Proposed Soil Text	0	0	2
PG-SPOT-ELEV	Proposed Spot Elevation Tick Marks	0	0	2
PG-SPOT-ELEV-TEXT	Proposed Spot Elevation Text	0	1	2
PG-TPIT	Proposed Test Pits	0	2	2
PG-TPIT-TEXT	Proposed test Pit Text	0	2	2

RNNNCCC-P-GRAD.dgn - PROPOSED GRADING				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PG-CONT-DEPR	Proposed Depressed Areas	0	0	3
PG-CONT-DEPR-TEXT	Proposed Depressed Area Text	0	3	3
PG-CONT-MAJR	Proposed Major Contour Lines	0	2	3
PG-CONT-MAJR-TEXT	Proposed Major Contour Text	0	2	3
PG-CONT-MINR	Proposed Minor Contour Lines	0	1	3
PG-CONT-MINR-TEXT	Proposed Minor Contour Text	0	1	3
PG-GEOT	Proposed Misc. Geotechnical Lines	0	0	3
PG-GEOT-TEXT	Proposed Misc. Geotechnical Text	0	0	3
PG-SOIL	Proposed Soil Designation Lines	5	1	2
PG-SPOT-ELEV	Proposed Spot Elevation Tick Marks	0	0	2
PG-SPOT-ELEV-TEXT	Proposed Spot Elevation Text	0	1	2
PG-SPOT-DEPR	Proposed Low Points	0	0	2
PG-SPOT-DEPR-TEXT	Proposed Low Point Text	0	3	2
PG-SPOT-HIGH	Proposed High Points	0	0	2
PG-SPOT-HIGH-TEXT	Proposed High Point Text	0	3	2

RNNNCCC-P-LAND.dgn - PROPOSED LANDSCAPING				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PL-PLNT-ANNL	Proposed Annual Plants	0	0	3
PL-PLNT-DECI	Proposed Deciduous Trees	0	1	3
PL-PLNT-EVGR	Proposed Evergreen Trees	0	1	3
PL-FENC-CLNK	Proposed Chain Link Fence	NJTA_Fence-Clink	2	3
PL-FENC-WOOD	Proposed Wood Fence	NJTA_Fence-Clink	2	3
PL-PLNT-GCVR	Proposed Ground Cover	0	1	3
PL-LITE-LAND	Proposed Landscape Lighting	0	1	3
PL-LAND-TEXT	Proposed Landscape Text	0	1	3
PL-PLNT-TREE	Proposed Miscellaneous Trees	0	1	3
PL-PLNT-PERE	Proposed Perenial Plants	0	0	3
PL-PLNT-SEED	Proposed Seeding Areas	0	1	3

RNNNCCC-P-SURV.dgn - PROPOSED SURVEY				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PS-BNDY-TEXT	Proposed Township, County, Municipal Text	NJTA_Boundary-Line	1	2
PS-COGO-NPLT	Proposed COGO Non-plotting level	0	143	1
PS-COGO-PNTS	Proposed COGO Point Numbers	0	2	1
PS-COGO-SYMB	Proposed COGO Point Symbols	0	2	1
PS-COGO-TRAV-PNTS	Proposed COGO Survey Traverse Points	0	2	1
PS-CORD-TEXT	Proposed Coordinate Text	0	0	1
PF-CTRL-BMRK	Proposed Control Point Benchmark	0	11	3
PF-CTRL-BMRK-TEXT	Proposed Control Point Text	0	2	3
PS-DEED-TEXT	Proposed Deed Text	0	0	2
PS-ESMT	Proposed Easement Boundaries	NJTA_Easement	0	2
PS-ESMT-DRAN	Proposed Drainage Easement Boundaries	NJTA_Easement	0	2
PS-ESMT-CNST	Proposed Construction Easement Boundaries	NJTA_Easement	0	2
PS-ESMT-SLOP	Proposed Slope Easement Boundaries	NJTA_Easement	0	2
PS-ESMT-TEXT	Proposed Easement Text	0	0	2
PS-GRID	Proposed Grid Lines	1	0	1
PS-GRID-TEXT	Proposed Grid Text	0	0	1
PS-MISC-TEXT	Miscellaneous Text	0	0	2
PS-MNMT	Proposed Survey Monmuments	0	0	2
PS-MNMT-TEXT	Proposed Monument Text	0	0	2
PS-PRPL	Proposed Property, Lot and Parcel Lines	NJTA_Property-Line	0	4
PS-PRPL-TEXT	Proposed Property, Lot and Parcel Text	0	0	3
PS-RWAY-LINE	Proposed ROW Lines	NJTA_ROW	2	4
PS-RWAY-LMTA	Proposed ROW - Limited Access	NJTA_Property-NoAccess	2	4
PS-RWAY-MRKR	Proposed ROW Markers	0	2	3
PS-RWAY-TEXT	Proposed ROW Text	0	2	3
PS-SURV-MISC	Miscellaneous Survey Items	0	0	2
PS-SURV-TEXT	Miscellaneous Survey Items Text	0	0	2

RNNNCCC-P-TRAF.dgn - PROPOSED TRAFFIC				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PT-FLOW-ARRW	Proposed Traffic Flow Arrow	0	0	2
PT-LANE-LINE	Lane Stripe Line	0	1	4
PT-LANE-MRKG	Painted Lane Nos (On Pavement)	0	1	4
PT-LOOP	Loop Detector	0	0	3
PT-LOOP-TEXT	Loop Detector Text	0	0	3
PT-RPMK	Raised Pavement Marker	0	0	1
PT-SGNL	Traffic Signal	0	0	3
PT-SGNL-TEXT	Traffic Signal Text	0	0	3
PT-SIGN-GUID	Post Mounted Guide Sign	0	0	3
PT-SIGN-GUID-TEXT	Post Mounted Guide Sign Text	0	0	3
PT-SIGN-REGL	Post Mounted Regulatory Sign	0	0	3
PT-SIGN-REGL-TEXT	Post Mounted Regulatory Sign Text	0	0	3
PT-SIGN-WARN	Post Mounted Warning Sign	0	0	3
PT-SIGN-WARN-TEXT	Post Mounted Warning Sign Text	0	0	3
PT-STRP-DIMS	Striping Dimensions	0	0	2
PT-STRP-TEXT	Stripe Text	0	0	2
PT-STRP-WHIT-DOTT	Dotted White Line	NJTA_Stripe-02x04	1	4
PT-STRP-WHIT	Solid White Line	0	2	4
PT-STRP-WHIT-BRKN	Broken White Line	NJTA_Stripe-10X30	2	4
PT-STRP-YELO-DOTT	Dotted Yellow Line	NJTA_Stripe-02x04	1	4
PT-STRP-YELO	Solid Yellow Line	0	2	4
PT-STRP-YELO-BRKN	Broken Yellow Line	NJTA_Stripe-10X30	2	4

RNNNCCC-P-UTIL.dgn - PROPOSED UTILITIES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PU-ABND	Proposed Utility Removal/Abandon Symbols	0	4	2
PU-ABND-TEXT	Proposed Utility Removal/Abandon Text	0	4	2
PU-CATV-OVHD	Proposed Overhead Cable	NJTA-P_CableTV-OH	2	3
PU-CATV-OVHD-TEXT	Proposed Overhead Cable	0	2	3
PU-CATV-UGND	Proposed Underground Cable	NJTA-P_CableTV	2	3
PU-CATV-UGND-TEXT	Proposed Cable Text	0	2	3
PU-ELEC-MHOL	Proposed Electric Manhole	0	0	3
PU-ELEC-MHOL-TEXT	Proposed Electric Manhole Text	0	0	3
PU-ELEC-OVHD	Proposed Overhead Electric	NJTA-P_Electric-OH	0	3
PU-ELEC-OVHD-TEXT	Proposed Overhead Electric Text	0	0	3
PU-ELEC-POWR-EQUP	Proposed Electric Power Equipment	0	0	3
PU-ELEC-POWR-EQUP-TEXT	Proposed Electric Power Equipment Text	0	0	3
PU-ELEC-UGND	Proposed Underground Electric	NJTA-P_Electric	0	3
PU-ELEC-UGND-TEXT	Proposed Underground Electric Text	0	0	3
PU-FIBR-OVHD	Proposed Overhead Fiber-Optic	NJTA-P_FiberOptic-OH	3	3
PU-FIBR-TEXT	Proposed Fiber-Optic Text	0	3	3
PU-FIBR-UGND	Proposed Underground Fiber-Optic	NJTA-P_FiberOptic	3	3
PU-FIBR-UGND-TEXT	Proposed Underground Fiber-Optic Text	0	3	3
PU-LITE-RDWY	Proposed Roadway Lighting	0	0	3
PU-LITE-RDWY-TEXT	Proposed Roadway Lighting Text	0	0	3
PU-NGAS	Proposed Natural Gas Line - General	NJTA_P_Gas	4	3
PU-NGAS-12IN	Proposed Natural Gas Line 12"	NJTA_P_Gas-12"	4	3
PU-NGAS-MHOL	Proposed Natural Gas Manholes	0	4	3
PU-NGAS-MHOL-TEXT	Proposed Natural Gas Manhole Text	0	4	3
PU-NGAS-TEXT	Proposed Natural Gas Line Text	0	4	3
PU-NGAS-VALV	Proposed Natural Gas Valves	0	4	3
PU-NGAS-VALV-TEXT	Proposed Natural Gas Valve Text	0	4	3
PU-POLE	Proposed Utility Poles	0	1	3
PU-POLE-TEXT	Proposed Utility Pole Text and Markers	0	1	3
PU-SSWR	Proposed Sanitary Sewer Pipes	NJTA_P_Sanitary	2	3
PU-SSWR-12IN	Proposed Sanitary Sewer Pipe - By Size	NJTA_P_Sanitary-12"	2	3

RNNNCCC-P-UTIL.dgn - PROPOSED UTILITIES				
LEVEL NAME	DESCRIPTION	LINE TYPE	COLOR	WEIGHT
PU-SSWR-MHOL	Proposed Sanitary Manholes	0	2	3
PU-SSWR-MHOL-TEXT	Proposed Sanitary Manholes Text	0	2	3
PU-SSWR-TEXT	Proposed Sanitary Pipes Text	0	1	3
PU-STRM	Proposed Storm Drainage Pipes	NJTA_Stormpipe	1	3
PU-STRM-INLT	Proposed Storm Drainage Inlets	0	1	3
PU-STRM-INLT-TEXT	Proposed Storm Drainage Inlet Text	0	2	3
PU-STRM-MHOL	Proposed Storm Drainage Manholes	0	1	3
PU-STRM-MHOL-TEXT	Proposed Storm Drainage Manhole Text	0	2	3
PU-STRM-STRC	Proposed Storm Headwalls, Endwalls, etc.	0	1	3
PU-STRM-STRC-TEXT	Proposed Storm Drainage Structures Text	0	2	3
PU-STRM-TEXT	Proposed Storm Drainage Pipes Text	0	1	3
PU-TELE-MHOL	Proposed Underground Telephone Manholes	0	5	3
PU-TELE-MHOL-TEXT	Proposed Telephone Manholes Text	0	5	3
PU-TELE-OVHD	Proposed Overhead Telephone	NJTA_P_Telephone-OH	5	3
PU-TELE-OVHD-TEXT	Proposed Overhead Telephone Text	0	5	3
PU-TELE-UGND	Proposed Underground Telephone	NJTA_P_Telephone	5	3
PU-TELE-UGND-TEXT	Proposed Underground Telephone Text	0	5	3
PU-WATR	Proposed Water Line	NJTA_P_Water	1	3
PU-WATR-08IN	Proposed Water Line - By Size	NJTA_P_Water-08"	1	3
PU-WATR-FHYD	Proposed Water Fire Hydrant	0	1	3
PU-WATR-FHYD-TEXT	Proposed Water Fire Hydrant Text	0	1	3
PU-WATR-MHOL	Proposed Water Supply Manholes	0	1	3
PU-WATR-MHOL-TEXT	Proposed Water Supply Manhole Text	0	1	3
PU-WATR-STRC	Proposed Water Supply Structures	0	1	3
PU-WATR-STRC-TEXT	Proposed Water Supply Structures Text	0	1	3
PU-WATR-TEXT	Proposed Water Line Text	0	1	3
PU-WATR-VALV	Proposed Water Valve	0	1	3
PU-WATR-VALV-TEXT	Proposed Water Valve Text	0	1	3