

# **Plan Preparation Guidelines**

for  
Consultants preparing  
Layout/Easement Plans

Version 1.1

July 2018

## Introduction

The purpose of this guidebook is for Survey and Design Consultants to achieve a better understanding of the requirements set forth by the Massachusetts Department of Transportation (MassDOT) in regards to recordable documents with the various Registries of Deeds through the Commonwealth of Massachusetts.

If any contradictions are apparent between MassDOT publications, please defer to these guidelines when preparing Layout and/or Easement plans.

The MassDOT Highway Division Layout Section is responsible for the preparation and review of layout plans and accompanying legal documents for setting the limits of the State Highways under the Highway Division's authority. Layout plans in Massachusetts are also known by some as right of way plans, right of way maps, or right of way plats. The Layout Section prepares and reviews plans and associated Orders to layout, alter, amend, discontinue, and abandon State Highways. Plans and documents are also prepared and reviewed for Land Sales, Land Leases, Drainage Takings, and Permanent and Temporary Easements.

Layout and Easement documents are prepared within the scope of MGL Chapter 6A, Chapter 79, Chapter 81, and Chapter 83. For Layout documents to be properly prepared it is necessary to assemble and evaluate monumentation, detail, and evidence of occupation from a field survey. Research of public plans from Cities and Towns, public utility plans, land subdivision plans, and other documents recorded in the Registry of Deeds is also utilized. This information is the basis for the necessary computations made to define and fix the location lines of the highways, to define the areas and dimensions of individual parcels of land or easements in land acquired for highway purposes, and for purposes related thereto. From these computations, plans are developed in CAD and legal descriptions are written. Copies of these plans and descriptions are recorded in the Registry of Deeds. If registered land is involved, copies of the plans are also filed in the Land Court in Boston.

Consultants preparing Layout/Easement documents must be prequalified in the “S3 – Layout Document Preparation” category by the [MassDOT Architects and Engineers Review Board](#). The link to the A&E Review Board prequalification web page can be found [Here](#).

The consultant firm’s Professional Land Surveyor (PLS) registered in Massachusetts to be in responsible charge of the plan preparation on a MassDOT project must be available to meet and discuss, if necessary, the Layout/Easement document preparation during the review and approval process. Contact information for the PLS must be provided.

All land surveys for MassDOT shall adhere to all current, appropriate and applicable laws, rules and regulations, including but not limited to, the [Code of Massachusetts Regulations \(250 CMR\)](#), [Massachusetts General Laws](#), and [Land Court Rules, Guidelines & Standards](#).

## Drafting Requirements

All plans intended to be recorded at the Registry of Deeds shall adhere to the latest version of the CAD Standards Manual. All plans shall be created in AutoCAD Civil 3D using the version supported by MassDOT. All new projects must use the latest version of the drawing template and support files as found on the [CAD Standards website](#).

Please check the website frequently as updates are released on an as needed basis.

All MassDOT layers, linetypes, text styles, multileader styles to be used are found in the template and supporting files. Additional layers may be created as necessary. The created items shall follow convention set out by the MassDOT CAD Standards Manual.

Be aware that upon a consultant firm's approval of Layout/Easement document preparation, the MassDOT State Layout Engineer's office will prepare a Sample Specification Package specific to that project's requirements. For MassDOT Highway Division Projects (Project File Number), the Sample Specification Package will be prepared upon acceptance of the Preliminary Right of Way Plan by the Plan Review Supervisor in the Right of Way Bureau. For Private Development or Municipal Projects through the District Permit Offices, the Sample Specification Package will be prepared in accordance with S.O.P. NO. ROW-10-10-1-000. For real estate projects through the Office of Real Estate and Asset Development (OREAD), the Sample Specification Package shall be requested by an OREAD Project Manager upon completion of OREAD's internal canvass process. If you believe there is a delay in receiving guidance in plan preparation, please contact the State Layout Engineer's office before beginning any layout/easement preparation. If you are working on another type of project, please contact the State Layout Engineer's office for a Sample Specification Package before beginning any layout/easement document preparation. Firms will also be provided a Layout Number and/or a Prefix Number, if applicable.

## Standard Presentation

All plans shall be drafted to be plotted on the layout sheet found in the LAYOUT\_SHEETS.dwg (see Appendix A.1). No work shall be done inside the LAYOUT\_SHEETS.dwg. Rather, the title and plan layouts found in LAYOUT\_SHEETS.dwg shall be inserted into a drawing created from the MassDOT template.

All plans shall have:

1. A title block and certification block on the first sheet. (see Appendix A.2)
2. A north arrow (NAD83/Magnetic/True), on each sheet. (see Appendix A.2)
3. A text and graphic bar scale, on each sheet. (Block pre-loaded in the LAYOUT\_SHEETS.dwg)

4. A PLS stamp and signature on every sheet per the requirements of The Board of Registration of Professional Engineers and Professional Land Surveyors. (Block pre-loaded in the LAYOUT\_SHEETS.dwg)
5. A Key Sheet shall be created wherever multiple sheets are necessary. Key Sheets shall be the last sheet of the plan set. Key Sheets shall show only existing location lines, street names, major existing detail with no text labels, north arrow, and no baselines. Dashed lines shall outline the viewport limits of each sheet and each border shall be labeled accordingly. Place viewport borders and text on the GE-SHEET layer. Text style shall be DOT-STREET (see Appendix A.3)
6. Where multiple sheets are necessary to a plan set, sheets shall overlap each other by no less than 100'±. Matchlines and line breaks will not be accepted. (see Appendix A.4)
7. Mtext orientation shall be set horizontal to the viewport, where appropriate. Where text must be rotated, it shall not exceed 90° and Wipeouts shall be used where any lines and text may overlap. (see Appendix A.5)

## Survey Baseplan

All plans shall have the survey baseplan overlaid onto the layout plan as an XREF. The baseplan shall be placed on layer GE-XREF.

## Units and Data

Unless otherwise specified, all plans shall be in US Survey Feet. Coordinate values shall be shown to four (4) decimal places. Linear values shall be shown to two (2) decimal places, unless otherwise specified. All bearings shall be reported to the second.

The horizontal coordinate system shall be Massachusetts State Plane, North American Datum of 1983 (NAD 83), unless otherwise stated. Layout plans shall be rotated to verified monuments located from the field survey performed by the consultant. Appropriate notes shall be placed on the first sheet of the plan stating either of the following:

NOTE:  
THE EXISTING MONUMENTATION SHOWN ON  
THIS PLAN AND THE LOCATION OF THE  
EXISTING LAYOUT LINES ARE FROM A SURVEY  
BASEPLAN PREPARED BY [COMPANY NAME]  
DATED [MONTH, YEAR].

NOTE:  
THE EXISTING MONUMENTATION SHOWN ON  
THIS PLAN AND THE LOCATION OF THE  
EXISTING LAYOUT LINES ARE FROM A FIELD  
SURVEY PERFORMED BY [COMPANY NAME]  
DATED [MONTH, YEAR].

Text style shall be DOT-LO with a paper height set at 0.12". Layer is GE-TEXT.

## Scale and Paper Size

Layout Plans and Easement Plans shall be drafted at 20 scale and plotted on 16" x 36" paper. The consultant may request a change in scale for specific projects from the MassDOT State Layouts Engineer.

In areas where space limitations cause poor readability of the layout/easement plan, Detail Sketches for proposed parcel takings shall be used. Detail Sketches shall be kept to scale (e.g. 1"=5'), whenever possible. Detail Sketches shall be kept as simple as possible. (see Appendix B.1)

Plans shall show all the roadway monuments and property monuments located during the preliminary field survey. In the case where held monuments lie outside the locus of the plan, Boundary Detail Sketches shall be used. Baseline offsets and ties to monuments shall be shown. (see Appendix B.2a) Monuments found, but not held to establish location, shall be shown with distances from the monument to the corresponding angle point. (see Appendix B.2b)

## General Layer Naming Conventions

It is a requirement that all layers include at least one of their references, such as Layout Number, Recorded Book and Page, and/or Year of layout. Please use the following examples:

EX-LO-SHLO-1923-BK12-PG45

EX-LO-SHLO-1977

EX-LO-SHLO-1944-LO1234.

Note: Layout Plans and Easement Plans primarily use the EX-LO- and PR-LO- layers in the MassDOT AutoCAD Civil 3D template. Layout plans will also use EX-SV-, PR-RW-, and GE- layers as appropriate. (see Appendix E for the Master Layer List)

## Baselines, Sidelines, Property Lines, and their Text

All baselines shall be AutoCAD Civil 3D Object alignments with labels. Layout Plans and Easement Plans shall utilize the MassDOT\_Layout Plan\_Record\_Baseline alignment style, only. In the case where a record baseline does not exist, a record baseline shall be created using this alignment style. The base Civil 3D object layer for all alignments is OB-BASELINE. If multiple record baselines from multiple time periods exist, additional layers may be created (e.g. OB-BASELINE-1950), keeping in line with the MassDOT CAD Standards Manual naming convention. The alignment style will automatically place the alignment on the EX-SV-BL-SHLO layer and pattern the line appropriately. The base Civil 3D object layer for alignment text is OB-BASELINE-TEXT. Selecting the MassDOT\_LO\_Labels alignment label set will automatically create stationing in the required MassDOT formatting, placing the text and symbols on EX-LO-BL-

GEOM layer. All baselines shall be labeled with date and description as necessary (e.g. 1939 BASELINE). The label layer is EX-LO-TEXT. Text style is DOT-LO. Do not show Construction Baselines, Railroad Baselines, or County/Town Baselines on layout plans. (see Appendix C.1)

All location lines shall have their location determined. Location lines shall be placed on the appropriate EX-LO- layer. All location lines shall be labeled with date and layout number (e.g. LOCATION LINE OF MAY 20, 1950 STATE HIGHWAY ALTERATION (LAYOUT NO. 1234)). The text layer is EX-LO-TEXT. Use multileader label style DOT-LO\_spline\_arrow. (see Appendix C.2)

Existing Easement Lines and Abutter Property Lines shall have their location determined on a by project basis. Lines not determined shall be labeled as approximate. These lines shall be placed on the appropriate EX-SV-LN- layer.

For properties with proposed parcel takings; the property lines must be shown with their connection to the sideline of the layout. Frontage distances must coincide with record deed and/or plan information for that property.

All baselines and sidelines shall be annotated with their geometry using appropriate MassDOT annotation label styles. The appropriate use of the MassDOT annotation label styles will create the geometry text for lines and arcs on the correct layer, using the correct text style, at the proper text height for the drawing scale, and with the correct lineweight. The layers for the geometry text are EX-LO-GEOM and PR-LO-GEOM. The base Civil 3D object layers that these annotations are created on are OB-TEXT. Text style is DOT-LO. (see Appendix C.3)

It is anticipated that the bearings of baselines and location lines of Layout/Easement plans will not agree with the latest realization of NAD 83. Place a bearing equation along the baseline using text style DOT-LO. Layer shall be EX-LO-TEXT. The NAD 83 bearing shall be an annotative label style. Record bearings from previous layouts shall be Mtext. (see Appendix C.4)

Record baselines shall be labeled with a station offset label wherever a given point is being tied to the baseline. Baselines shall be labeled with a coordinate value at each end within the locus area of the plan. Additionally, baselines shall be labeled with an equation station at each baseline-baseline intersection, merge/divide, and change in layout number. This label style is for two baselines only, manual editing of the text is required if there are more than two baselines. (see Appendix C.5)

NAD83 coordinate values shall be labeled at all proposed angle points, points of curvature, or points of tangency. Text is DOT-LO. Layer is PR-LO-GEOM. (see Appendix C.6) To label beginning and end of proposed angle points, manual editing is required. (see Appendix C.7)

### Parcel Taking Text

All parcel takings shall be labeled with prefix number, parcel designation, parcel number, owner's name, and taking area. Parcel takings shall use the multileader style DOT-E\_dot. Layer is PR-LO-TEXT. Text style is DOT-E. (see Appendix D.1)

### Roadway Text

All roadway names shall be labeled with Route Number (if applicable) or Public/Private and Width.

**STATE HIGHWAY NAME**  
(ROUTE NO.)

**OR**

**LOCAL ROADWAY NAME**  
(PUBLIC - VARIABLE WIDTH)

The layer is EX-LO-TEXT. The text style is DOT-STREET. The descriptive text information may be reduced in size, but no smaller than 0.10".

### Abutter Text

All abutter properties shall be labeled with now or formerly (N/F) and owner name. The label shall be placed on the EX-SV-LN-TEXT layer. Text style is DOT-LO. Abutter properties where a State or Municipal taking shall occur do not need to be labeled.

## Final Deliverable

The final deliverable shall consist of two (2) sets of PLS stamped and signed Mylar plans and five (5) copies of the written instrument associated with the plans as well as a CD/DVD or zip file containing electronic files of all submitted documents. The submission shall be submitted to the State Layouts Engineer in Boston.

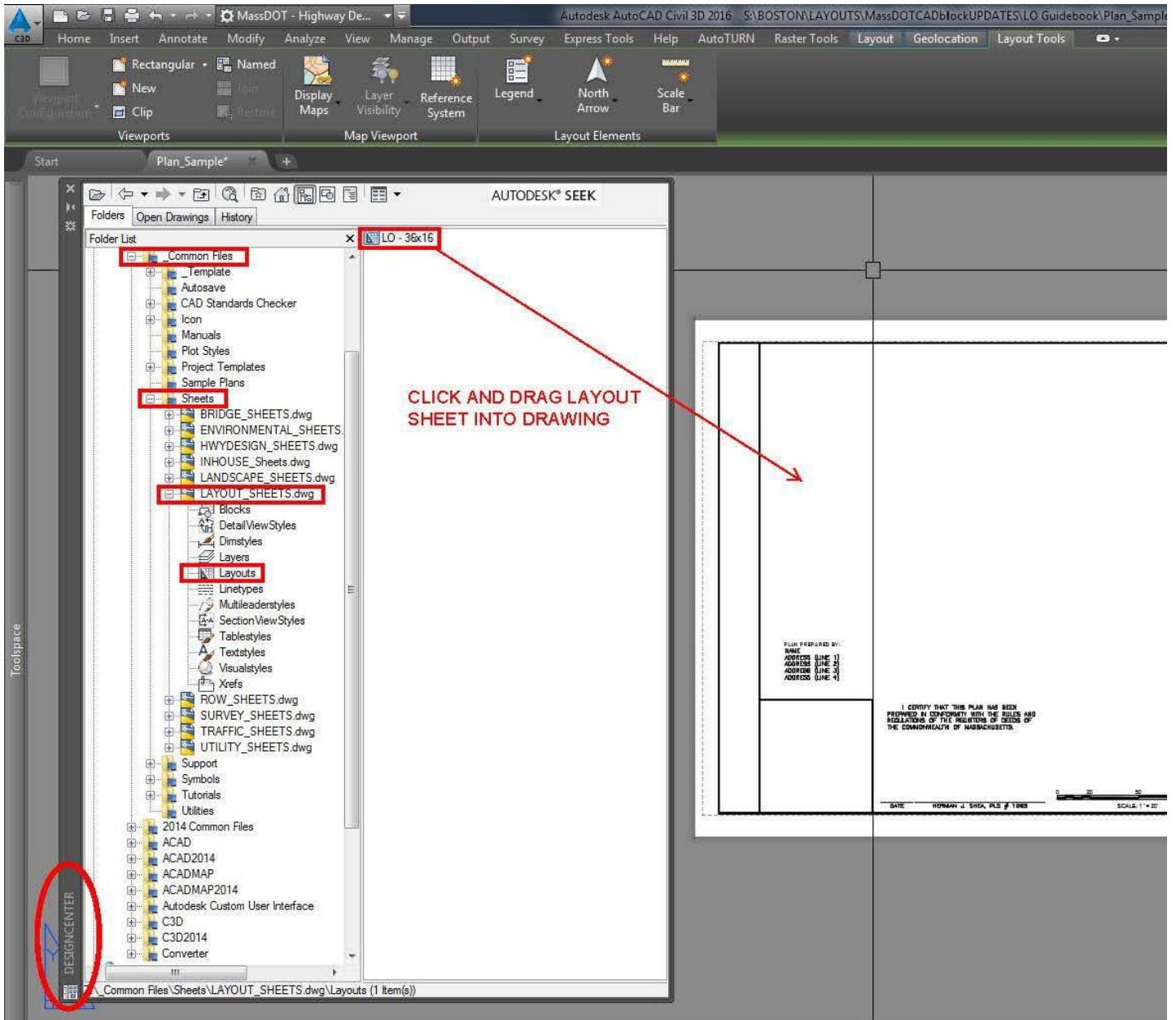
The CD/DVD shall contain all data gathered by the company for the project and a pdf of the signed and stamped layout plan. The data shall be placed in the appropriate folders adhering to the folder structure as laid out in the MassDOT Highway Division CAD Standards Manual.

The Mylar plan sheets shall be stamped and signed per requirements by the Division of Professional Licensure.

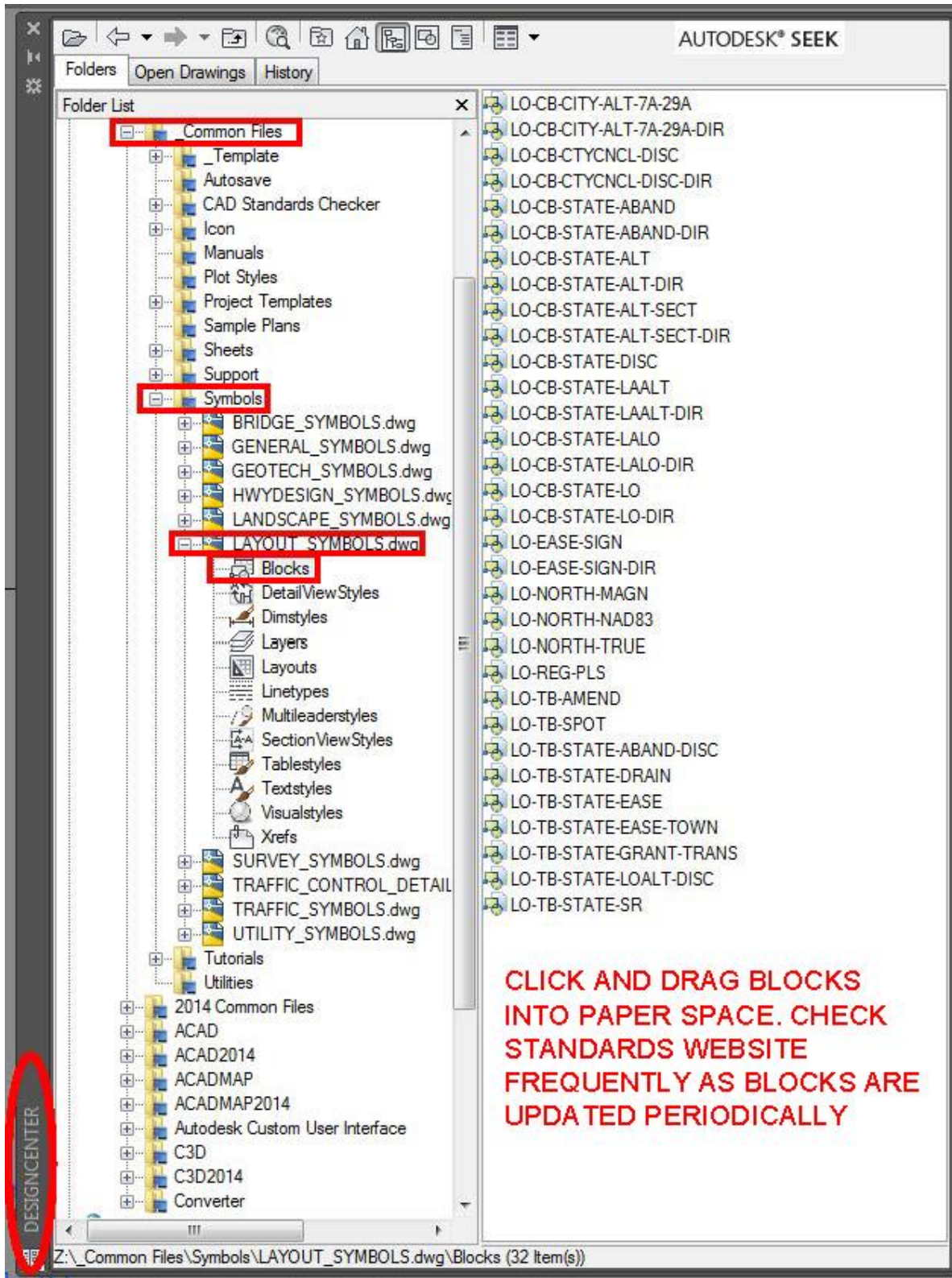


# Appendix A

## A.1

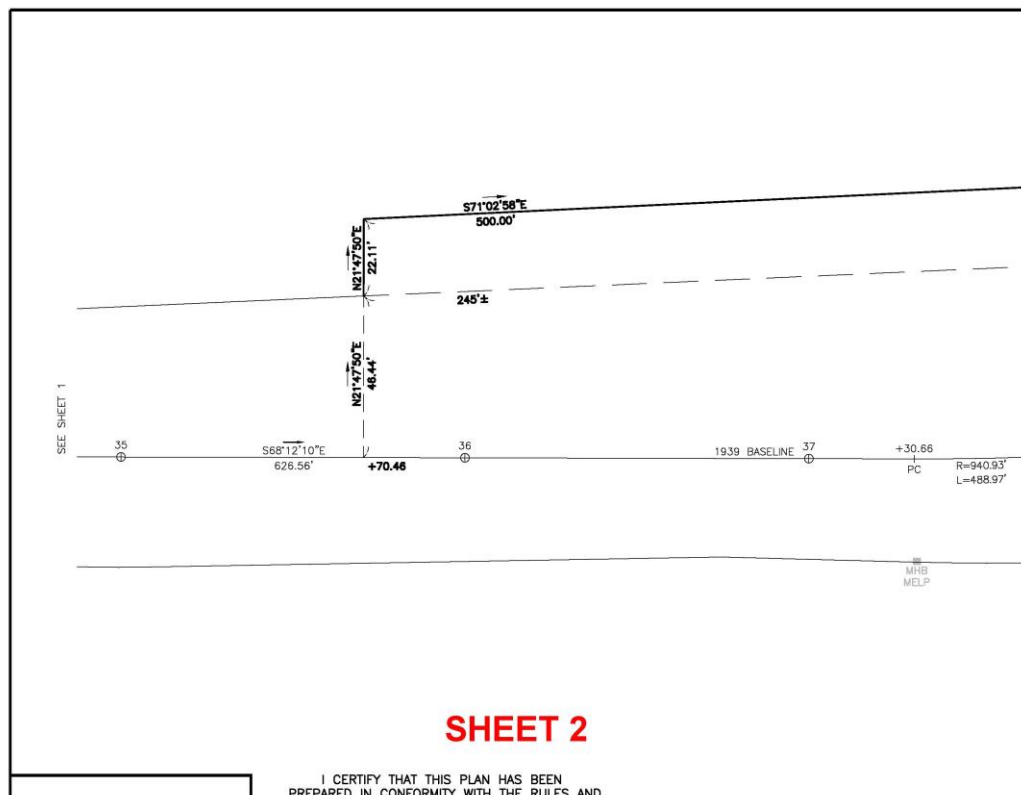
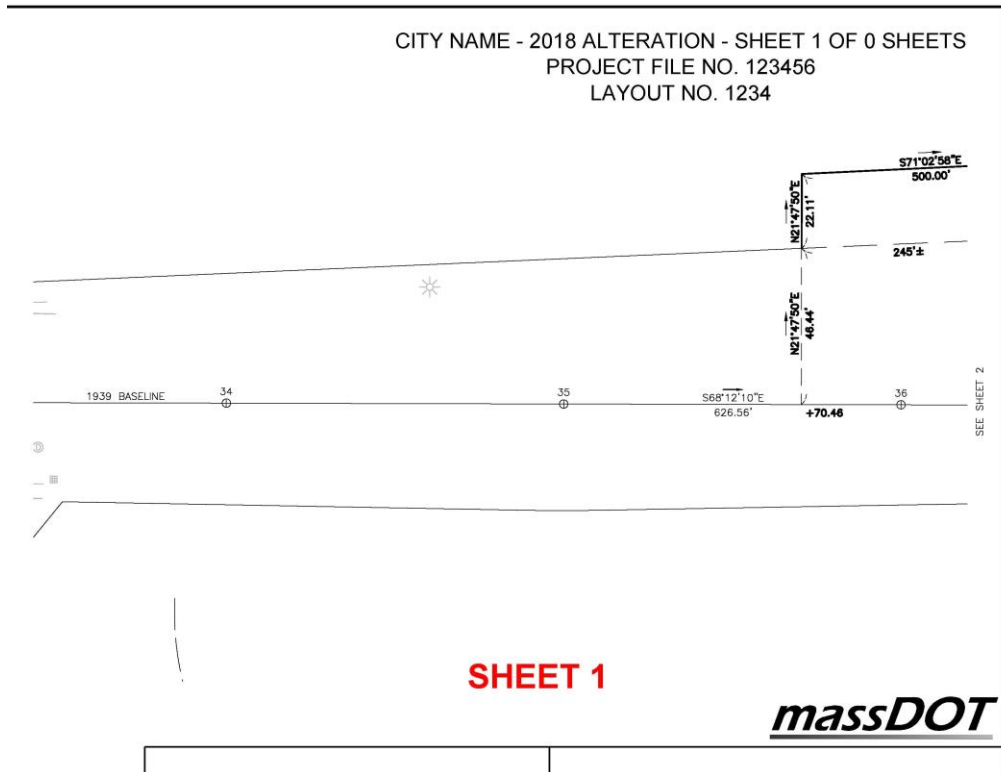


## A.2



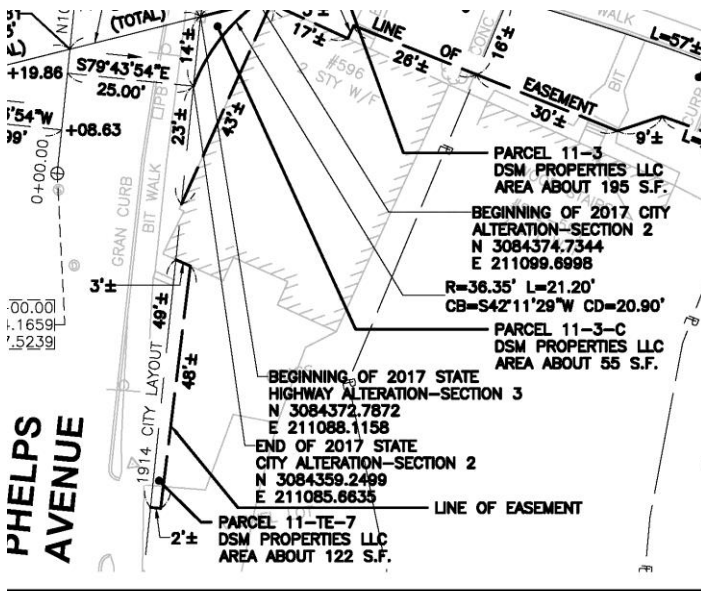


A.4

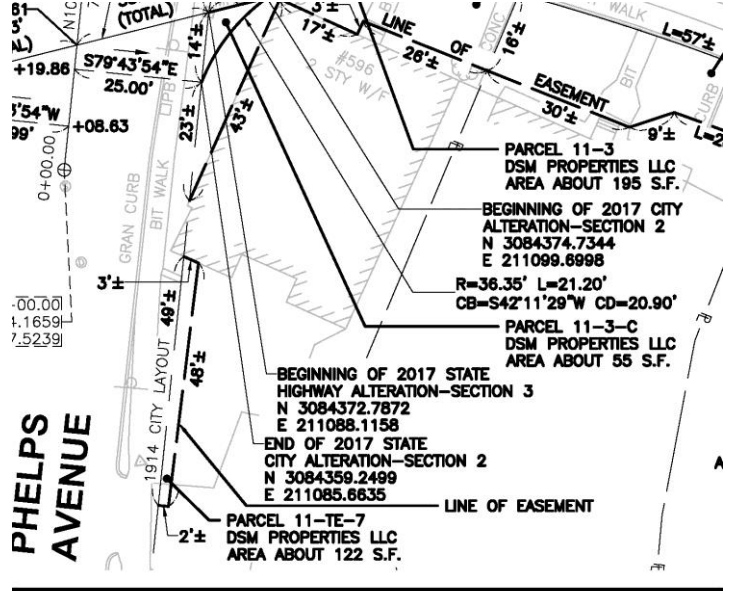




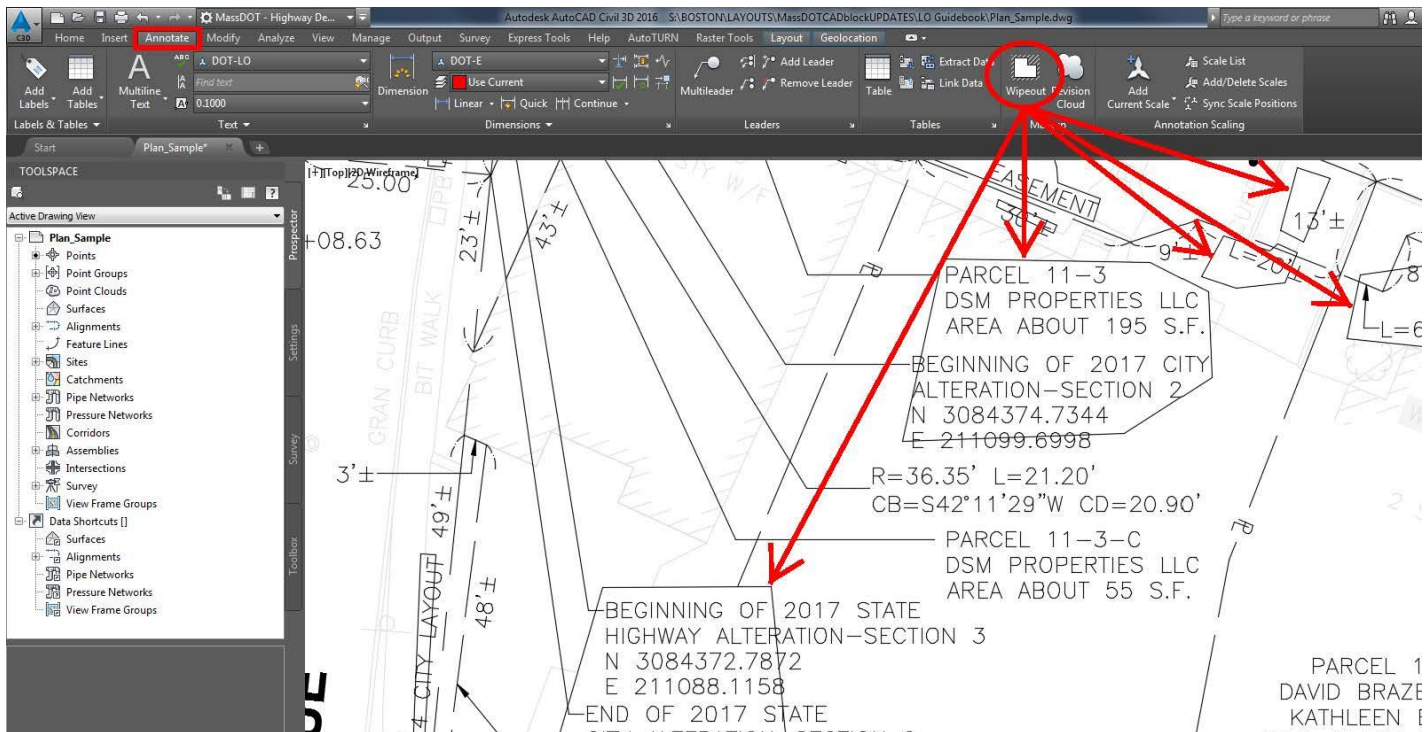
A.5



**BEFORE**

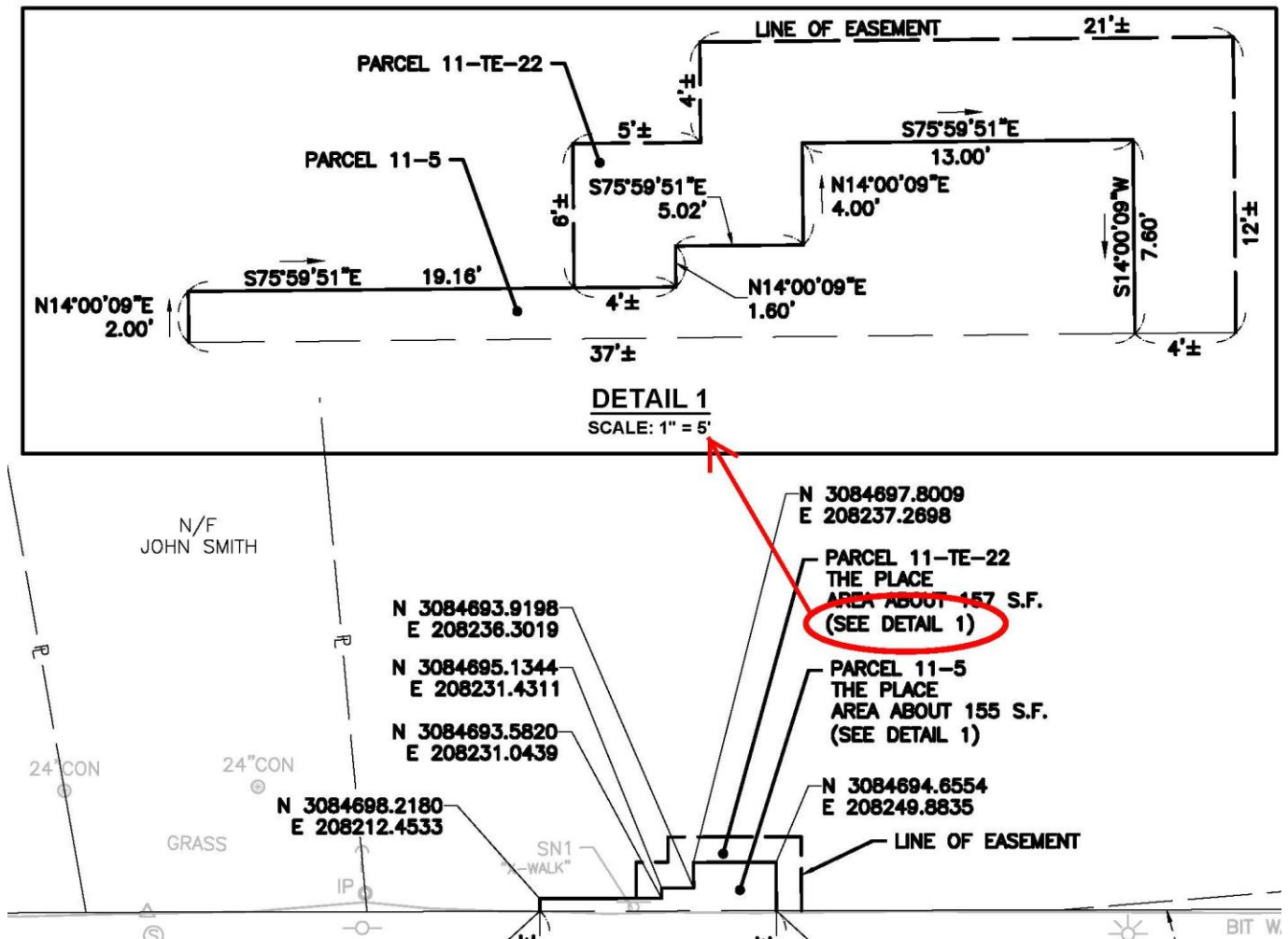


**AFTER**

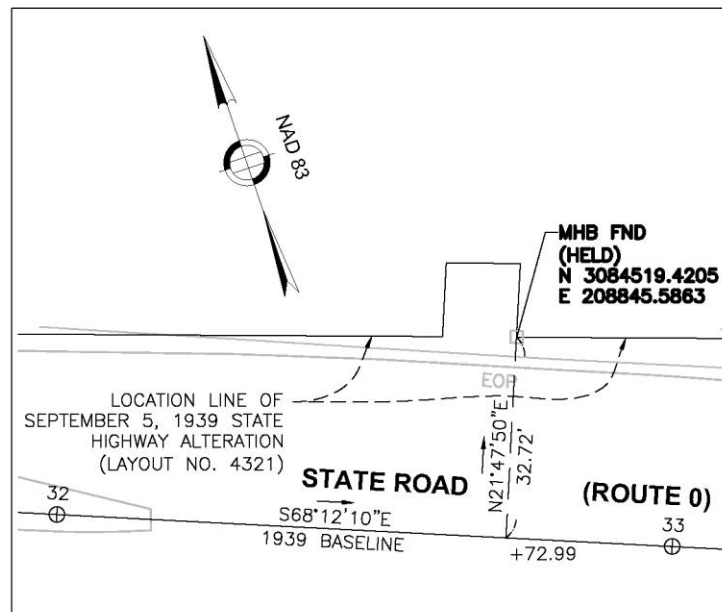


# Appendix B

## B.1

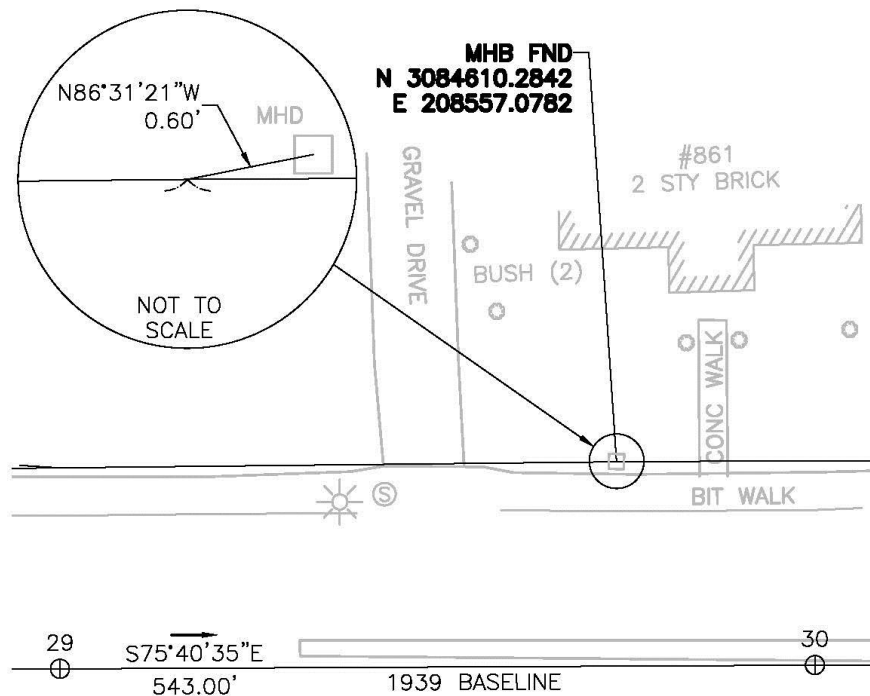


B.2a



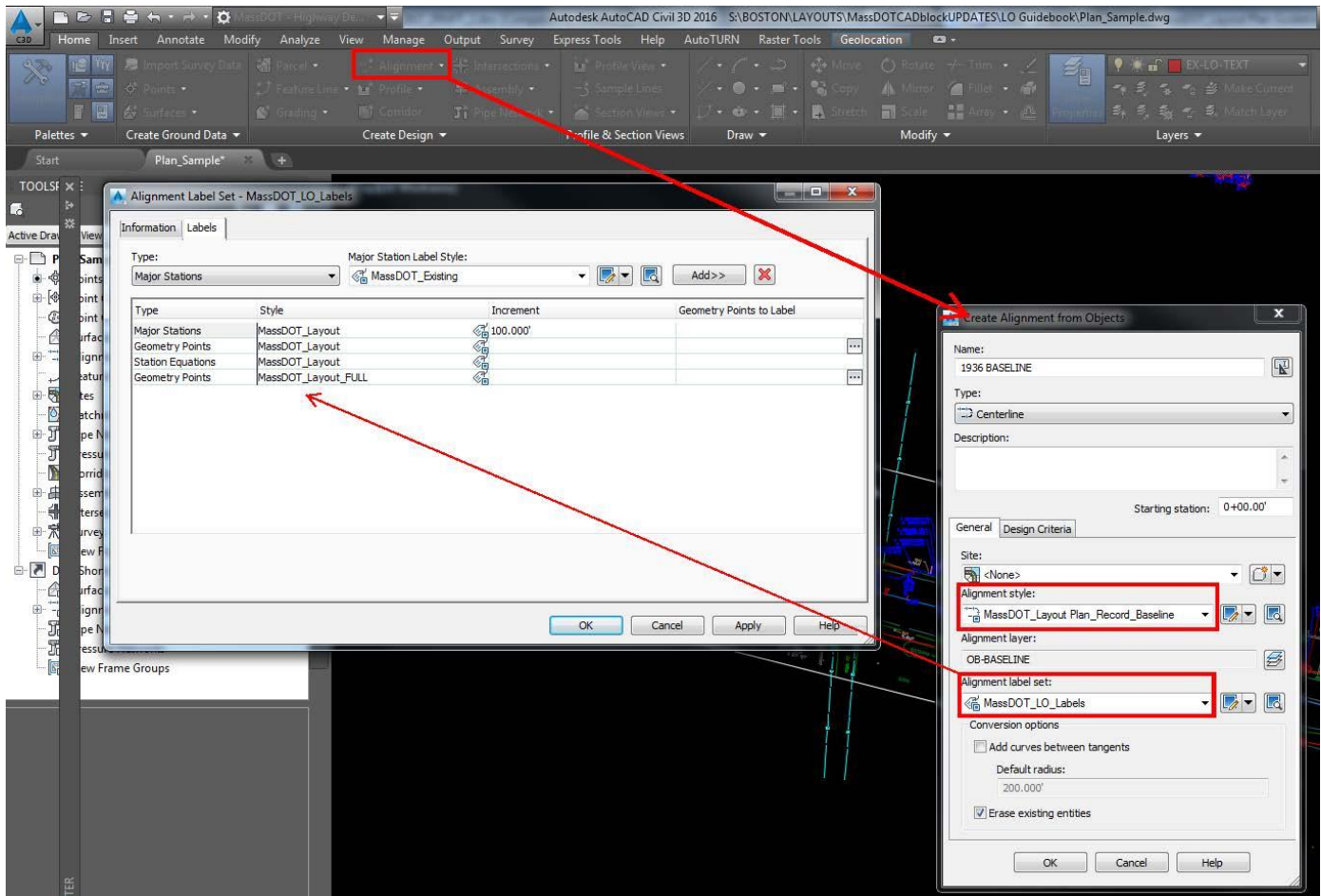
**BOUNDARY DETAIL SKETCH  
(SCALE 1" = 20')**

B.2b



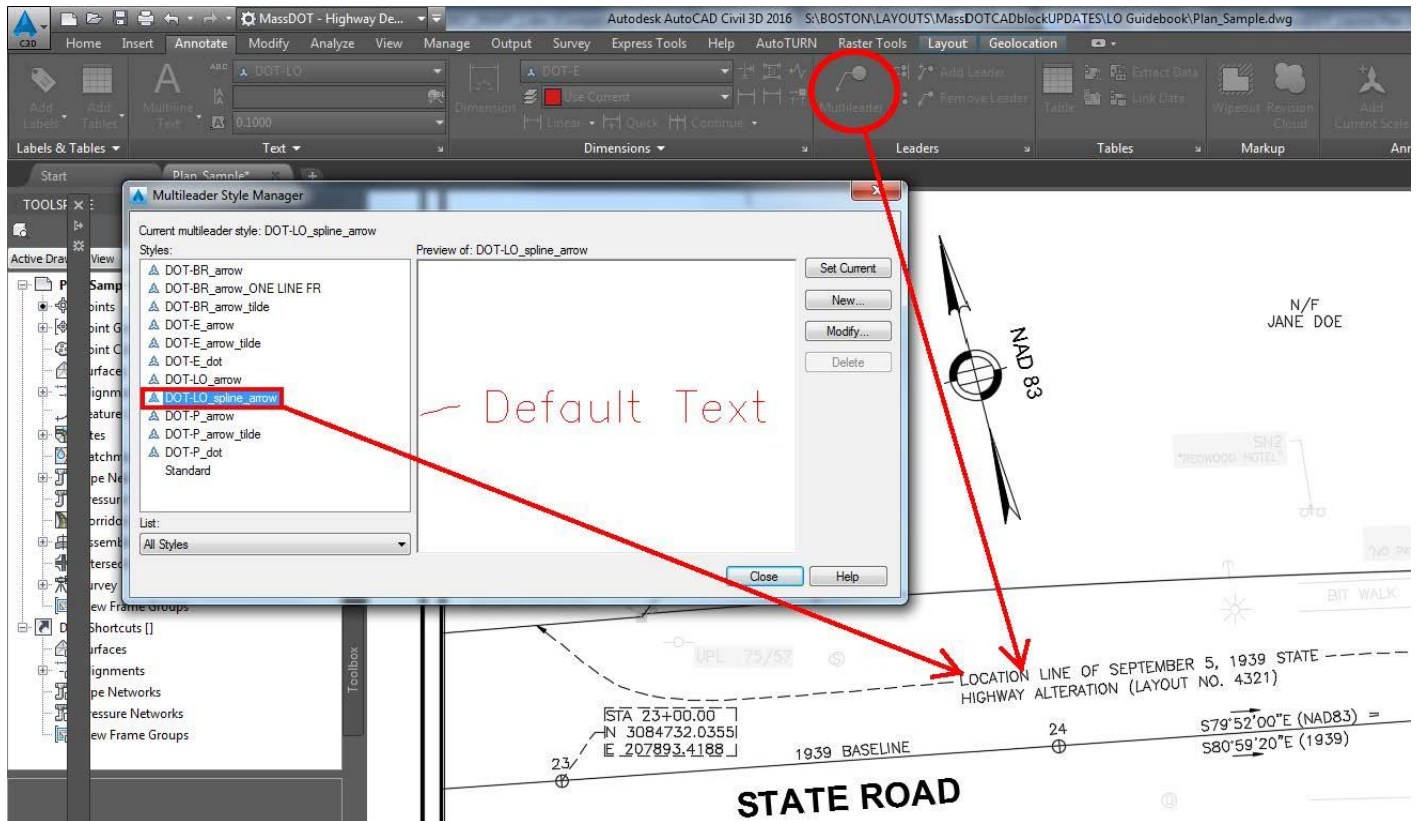
# Appendix C

## C.1

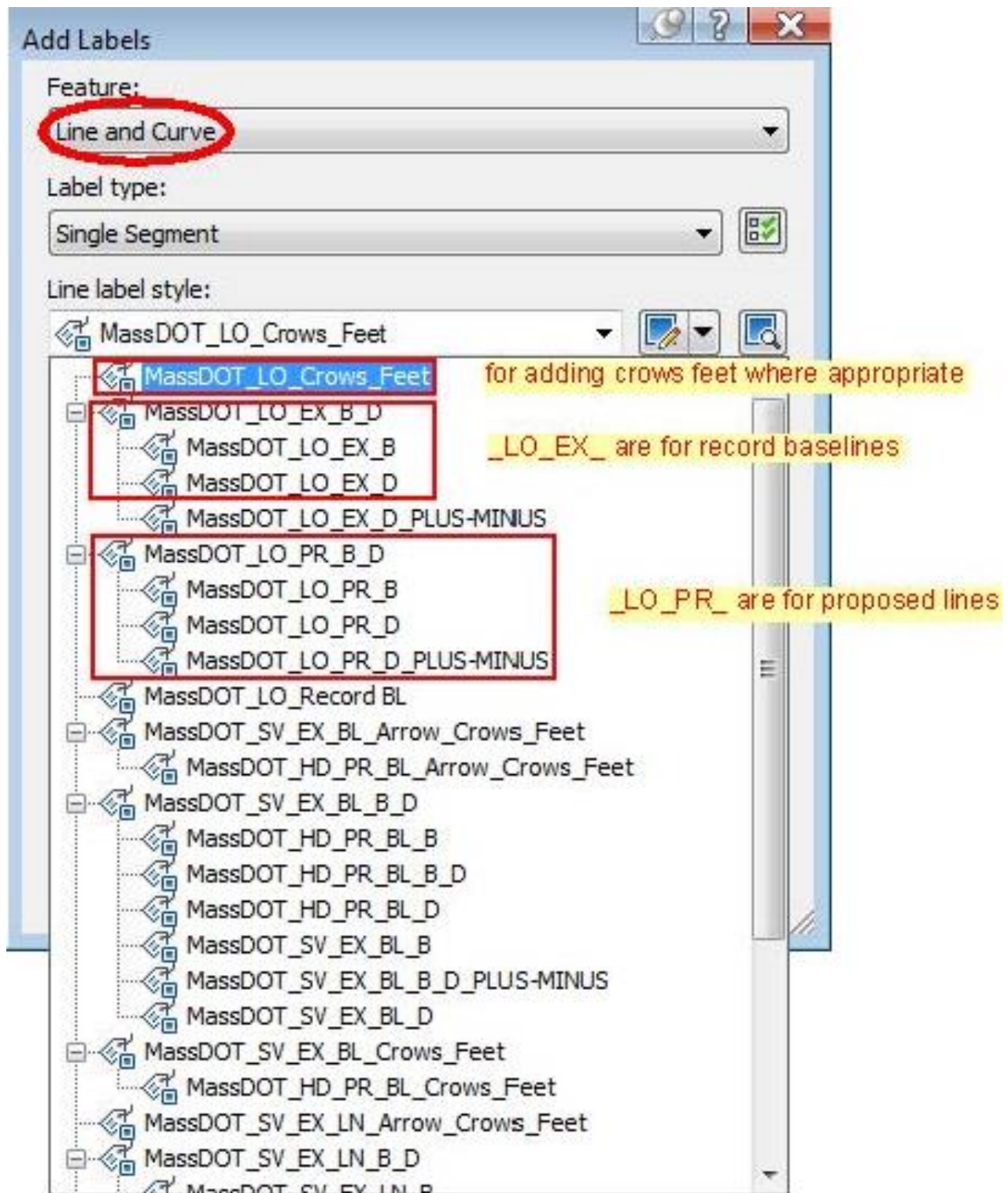




## C.2



### C.3



## C.4

**Text Component Editor - Label Text**

Format Properties

Properties:

General Segment Direction

Modifier	Value
Unit	degree
Format	DD°MM'SS.SS"
Measurement type	Bearings
Precision	1 second
Rounding	round normal
Direction	short name
Capitalization	upper case
Decimal character	period '.'
Digit grouping symbol	N/A
Digit grouping	N/A
Drop decimal for whole num	no
Drop leading zeros	yes
Output	full

Ln 2 Col 37 AutoCAPS

OK Cancel Help

DEFAULT SETTING FOR MassDOT\_LO\_EX\_B

END OF 2018 STATE HIGHWAY ALTERATION—SECTION 1  
N 3084687.2812  
E 208248.0445

LINE OF EASEMENT

LOCATION LINE OF SEPTEMBER 5, 1939 STATE HIGHWAY ALTERATION (LAYOUT NO. 4321)

27

28

(ROUTE 0)

STA 28+00.00

MTEXT

Command: \_MSPACE  
Command: "Cancel"  
Command: Type a command

SHEET 3 LO - 36x16

**Text Component Editor - Label Text**

Format Properties

Properties:

General Overall Length

Modifier	Value
Unit	foot
Precision	0.001
Rounding	round normal
Decimal character	period '.'
Digit grouping symbol	comma ','
Digit grouping	123456789
Sign	sign negative '-'
Output	full

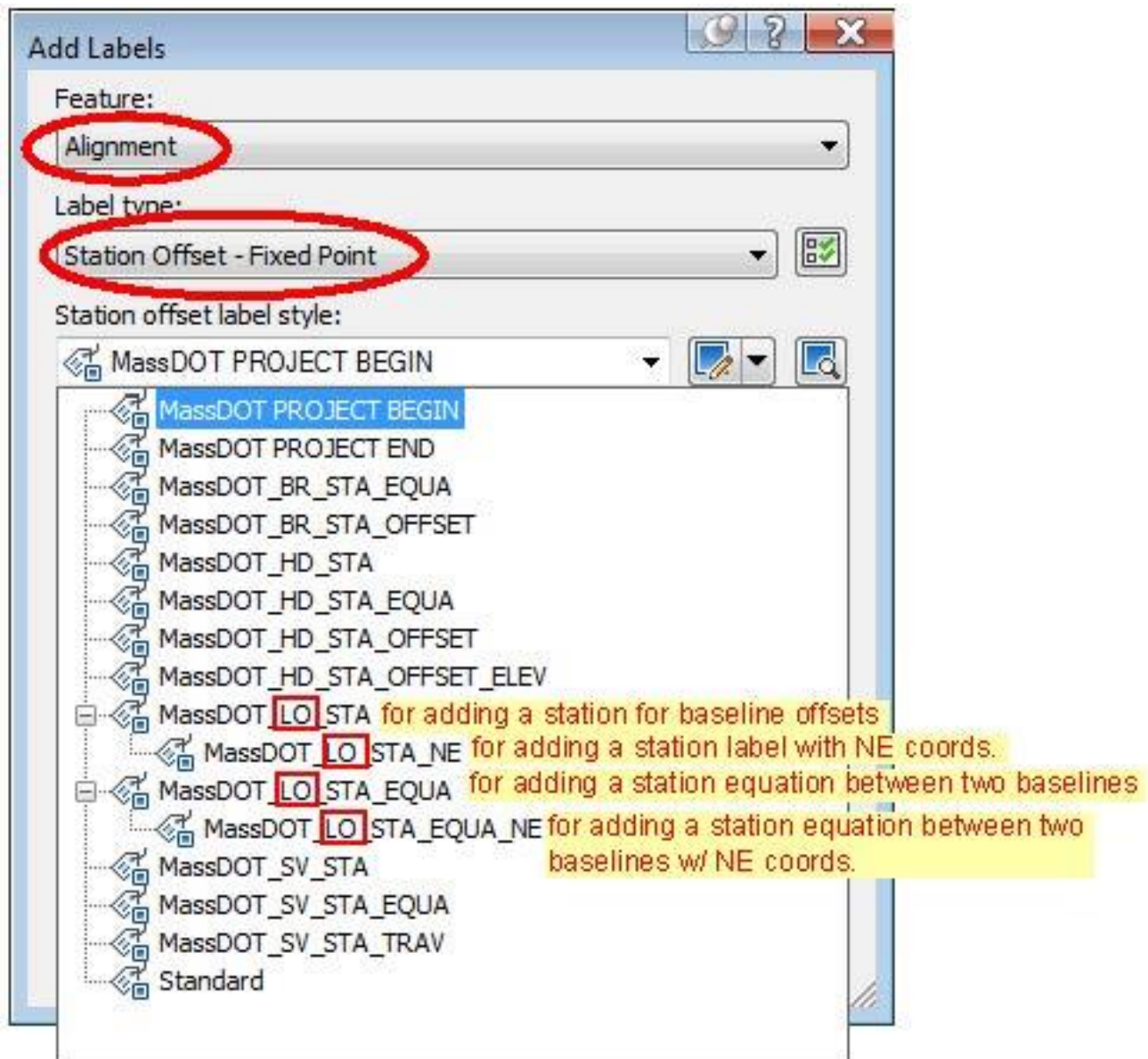
Ln 1 Col 12 AutoCAPS

OK Cancel Help

MassDOT\_LO\_EX\_B [EDITED]



## C.5



C.6

**Add Labels**

Feature:  
**Note**

Label type:  
Note

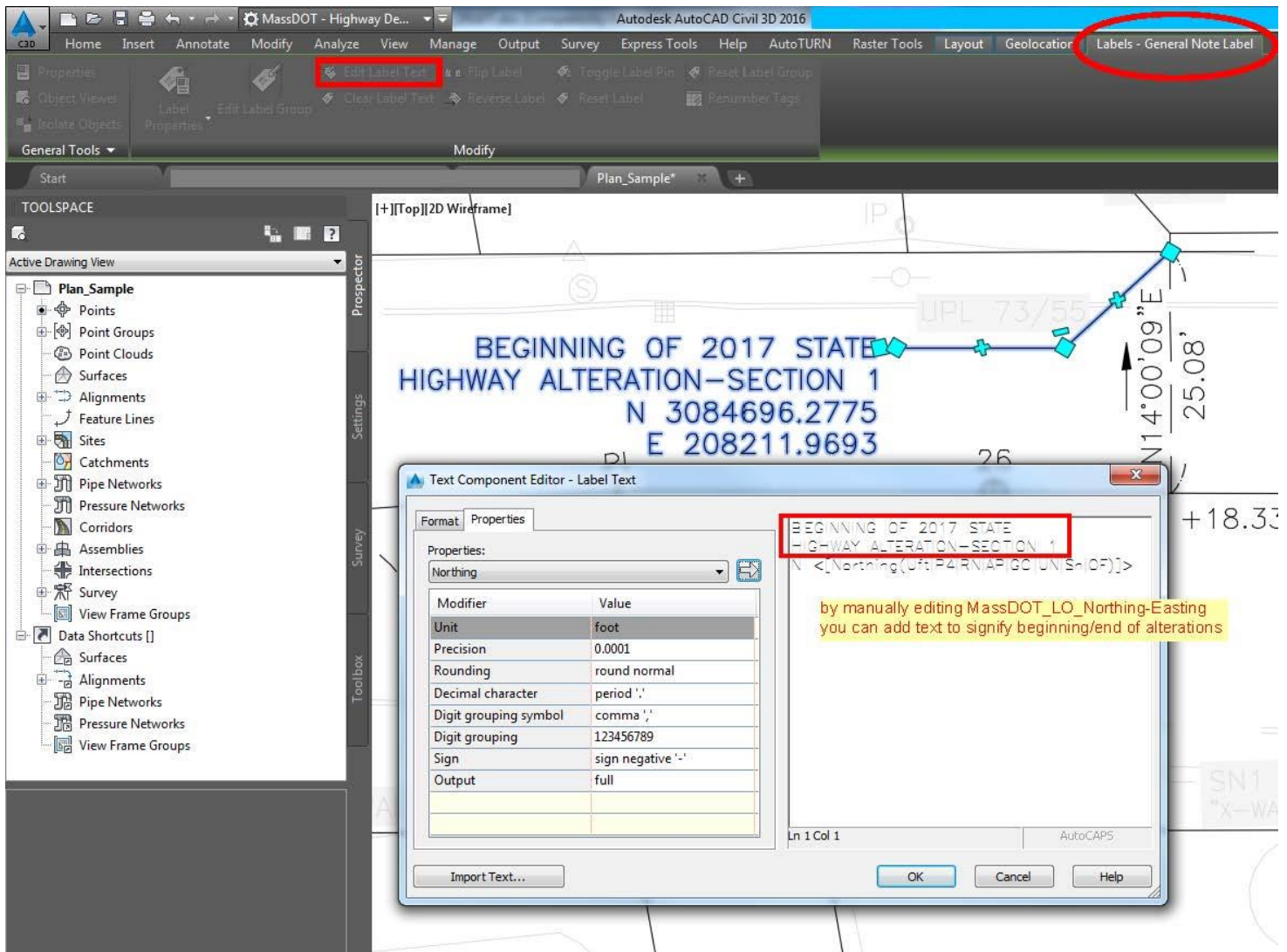
Note label style:  
MassDOT\_LO\_Northing-Easting

- MassDOT\_Flood Plain Callout
- MassDOT\_Grid\_Tick
- MassDOT\_LO\_Access
- MassDOT\_LO\_Northing-Easting**
- MassDOT\_Northing-Easting
- MassDOT\_Profile Name
- MassDOT\_Standard

Reference text object prompt method:  
Command Line

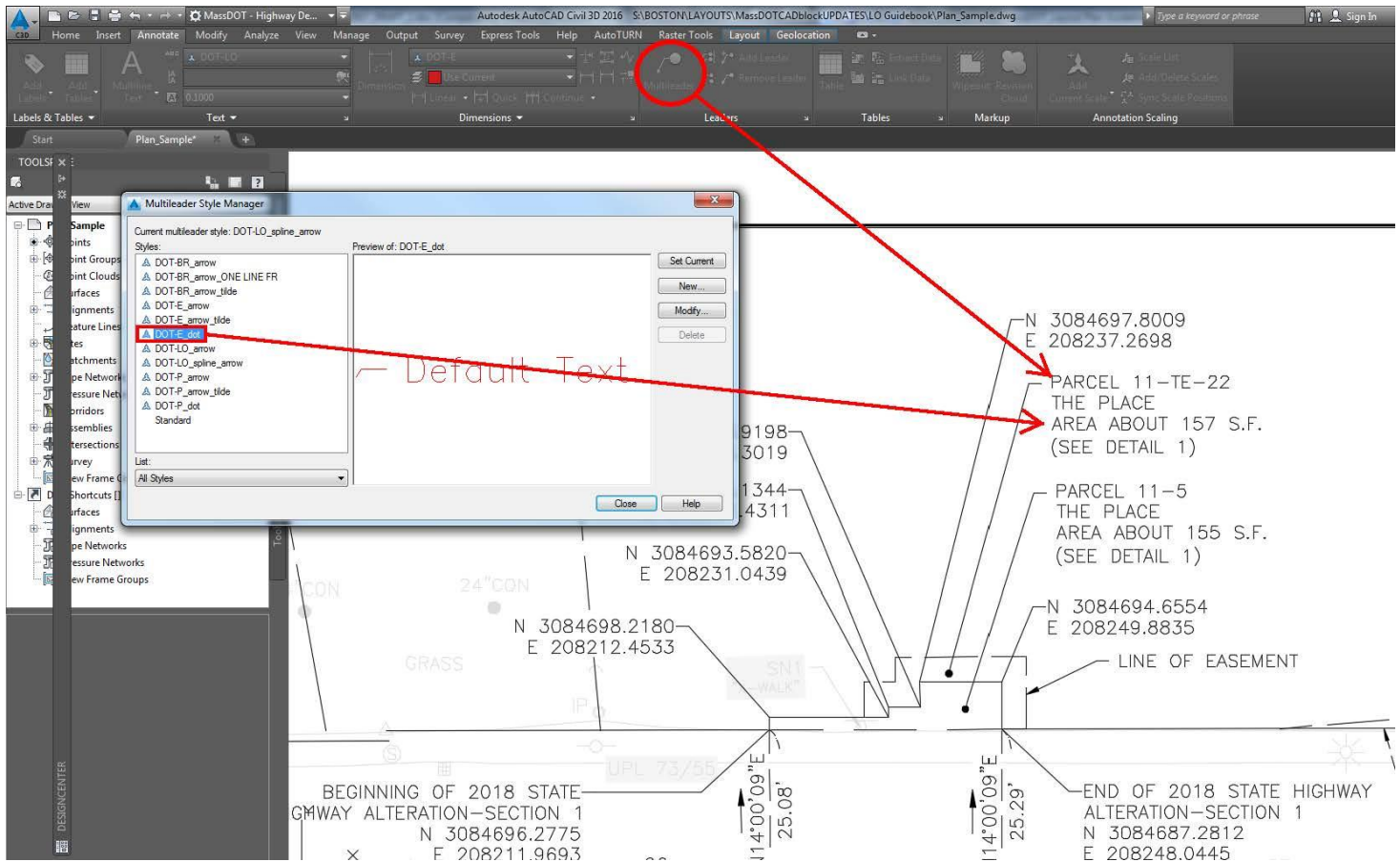
Add Close Help

## C.7



# Appendix D

## D.1



# Appendix E

## Master Layer List

The following is the Master Layer List of all layers contained within the MassDOT drawing template.

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
0	white	Continuous	SOLID 100%	DO NOT USE
Defpoints	white	Continuous	SOLID 100%	Default Layer - DO NOT USE
EX-BR-COMP	8	DASHDOT2	BR 50%	Existing Bridge Features
EX-BR-COMP-HIDN	8	HIDDEN	BR 50%	Existing Bridge Features - Hidden
EX-BR-HATCH	254	Continuous	SOLID 25%	Existing Bridge Hatching
EX-BR-REBAR	magenta	DASHDOT2	BR 100%	Existing Bridge Rebar
EX-BR-TEXT	141	Continuous	BR 50%	Existing Bridge Text
EX-EV-REGL-BUFFER-100	240	DASHEDX2	ENVR EXIST	Regulatory – 100 ft Buffer Zone
EX-EV-REGL-FLOOD	magenta	BORDERX2	ENVR EXIST	Regulatory – Flood Zones
EX-EV-REGL-MHW	212	BORDER	ENVR EXIST	Regulatory – Mean High Water - Tidal
EX-EV-REGL-OHWL	212	BORDER2	ENVR EXIST	Regulatory – Ordinary High Water - Non-Tidal
EX-EV-REGL-RIVR-FRNT	221	BORDER2	ENVR EXIST	Regulatory – Riverfront Protection Zones
EX-EV-TEXT	magenta	Continuous	ENVR EXIST	Regulatory – Environmental Existing Text
EX-GT-FEAT	9	Continuous	BR 50%	Geotechnical Existing Features
EX-LD-SITE-FEAT	170	Continuous	SURVEY 100%	Landscape Design Existing Site Features
EX-LD-VEGE	green	Continuous	SURVEY 100%	Landscape Design Existing Trees, Shrubs, and Vegetation
EX-LD-VEGINV	12	Continuous	SURVEY 100%	Landscape Design Existing Invasive Vegetation
EX-LO-CT	red	PHANTOM	ROW 100%	Existing County Layout Lines



NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
EX-LO-GEOM	red	Continuous	ROW TEXT	Existing Geometry Text for Layout Lines
EX-LO-RR	red	EXIST RR SIDELINE	ROW 100%	Existing Railroad Layout Lines
EX-LO-SHLO	red	Continuous	ROW 100%	Existing State Highway Layout Lines
EX-LO-TEXT	red	Continuous	ROW TEXT	Existing Text for Layout Information
EX-LO-TN	red	CENTER	ROW 100%	Existing Town/City Layout Lines
EX-LO-TP	red	PHANTOM2	ROW 100%	Existing Turnpike Authority Layout Lines
EX-SV-BL-CT	150	DASHED	ROW 100%	Existing Baseline - County
EX-SV-BL-GEOM	150	Continuous	ROW TEXT	Existing Baseline - Geometry Text
EX-SV-BL-RR	150	EXIST RR SIDELINE	ROW 100%	Existing Baseline - Railroad
EX-SV-BL-SHLO	150	CONST BASELINE	ROW 100%	Existing Baseline - State Highway
EX-SV-BL-TEXT	150	Continuous	ROW TEXT	Existing Baseline - Text
EX-SV-BL-TN	150	DASHED2	ROW 100%	Existing Baseline - City/Town
EX-SV-BL-TP	150	DASHED	ROW 100%	Existing Baseline - Turnpike Authority
EX-SV-BL-XX	150	DASHED2	ROW 100%	Existing Baseline - Miscellaneous
EX-SV-BLDG	9	Continuous	SURVEY 100%	Existing Buildings, Decks
EX-SV-BMRK	red	Continuous	SURVEY 150%	Existing Benchmark Symbols
EX-SV-BMRK-TEXT	red	Continuous	SURVEY 125%	Existing Benchmark Text
EX-SV-BP-ALL	253	Continuous	SURVEY 100%	Existing Survey Point - Default Point Layer
EX-SV-BP-TEXT	253	Continuous	SURVEY 100%	Existing Survey Point - Text Labels
EX-SV-BR-DETL	9	Continuous	SOLID 50%	Existing Bridge Items and Structures as Surveyed
EX-SV-BR-TEXT	9	Continuous	SURVEY 100%	Existing Bridge Text as Surveyed

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
EX-SV-CONT-MJR	142	DASHED	SURVEY 100%	Existing Contours - MAJOR
EX-SV-CONT-MNR	54	DASHED2	SURVEY 80%	Existing Contours - MINOR
EX-SV-CONT-TEXT	red	Continuous	SURVEY 100%	Existing Contours - Text
EX-SV-CONT-USER	172	Continuous	SOLID 50%	Existing User-Defined Contours
EX-SV-CTRL	red	Continuous	SURVEY 150%	Existing Traverse and Photo Control Points
EX-SV-CTRL-TEXT	red	Continuous	SURVEY 125%	Existing Traverse and Photo Control Points Text
EX-SV-CURB-BOT	61	Continuous	SURVEY 125%	Existing Bottom Curb
EX-SV-CURB-TOP	133	Continuous	SURVEY 80%	Existing Top/Back Curb
EX-SV-DETL	8	Continuous	SURVEY 100%	Existing Miscellaneous Detail
EX-SV-EOC	131	Continuous	SURVEY 125%	Existing Edge of Concrete
EX-SV-EOG	9	Continuous	SURVEY 125%	Existing Edge of Soil, Gravel, and Stone
EX-SV-EOP	90	Continuous	SURVEY 125%	Existing Edge of Pavement
EX-SV-EOTHR	9	Continuous	SURVEY 125%	Existing Edge of Other Surface
EX-SV-EROS	55	Continuous	SURVEY 100%	Existing Erosion Control
EX-SV-FIGURE	magenta	Continuous	SURVEY 100%	Existing Survey Figure
EX-SV-FNCE-CLF	37	FENCE - CHAIN LINK	SURVEY 125%	Existing Chain Link or Metal Fences
EX-SV-FNCE-OTHR	37	FENCE - CHAIN LINK	SURVEY 125%	Existing Fences - Other
EX-SV-FNCE-WOOD	37	FENCE - WOOD RAIL	SURVEY 125%	Existing Wood Fences
EX-SV-GRDL-STBM	9	Continuous	SURVEY 100%	Existing Steel Post Guardrail and Barrier
EX-SV-GRDL-WOOD	9	Continuous	SURVEY 100%	Existing Wood Post Guardrail and Barrier
EX-SV-GRIDT	white	Continuous	SURVEY 100%	Existing Survey Grid Tick

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
EX-SV-GRND	9	Continuous	SURVEY 100%	Existing Ground Surface
EX-SV-GRND-TEXT	9	Continuous	SURVEY 100%	Existing Ground Surface - Text
EX-SV-LN-EASE	white	LINE OF EASE	ROW 100%	Existing Easement Lines
EX-SV-LN-GEOM	white	Continuous	ROW TEXT	Existing Boundary Line Geometry Text
EX-SV-LN-PROP	cyan	EXIST PROP LINE SYMBOL	ROW 100%	Existing Abutting Property Lines
EX-SV-LN-PROP-COMMON	cyan	EXIST PROP LINE	SOLID 100%	Existing Abutting Property Lines Under Common Ownership
EX-SV-LN-STATE	yellow	EXIST STATE BNDY LINE	ROW 100%	Existing State Boundary Lines
EX-SV-LN-TEXT	white	Continuous	ROW TEXT	Existing Boundary Line Text
EX-SV-LN-TN	yellow	CENTERX2	ROW 100%	Existing Town/City Boundary Lines
EX-SV-MONU	red	Continuous	SURVEY 150%	Existing Monuments, Survey Points
EX-SV-MONU-TEXT	red	Continuous	SURVEY 125%	Existing Monuments, Survey Points Text Layer
EX-SV-PH-BLDG	9	Continuous	SURVEY 100%	Photogrammetry - Existing Buildings, Decks
EX-SV-PH-BR-LIMIT	9	Continuous	SURVEY 100%	Photogrammetry - Outline of Existing Bridge
EX-SV-PH-CONT-MJR	143	DASHED	SURVEY 100%	Photogrammetry - Existing Contours - MAJOR
EX-SV-PH-CONT-MNR	57	DASHED2	SURVEY 80%	Photogrammetry - Existing Contours - MINOR
EX-SV-PH-CONT-OBS	magenta	Continuous	SURVEY 100%	Photogrammetry - Outline of Obscured Ground
EX-SV-PH-CONT-TEXT	30	Continuous	SURVEY 100%	Photogrammetry - Existing Contours - Text
EX-SV-PH-CONT-USER	173	Continuous	SOLID 50%	Photogrammetry - Existing User-Defined Contours
EX-SV-PH-CURB-BOT	61	Continuous	SURVEY 125%	Photogrammetry - Existing Bottom Curb
EX-SV-PH-CURB-TOP	133	Continuous	SURVEY 100%	Photogrammetry - Existing Top/Back Curb
EX-SV-PH-DETL	8	Continuous	SURVEY 100%	Photogrammetry - Existing Miscellaneous Detail

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
EX-SV-PH-EOC	131	Continuous	SURVEY 125%	Photogrammetry - Existing Edge of Concrete
EX-SV-PH-EOG	9	Continuous	SURVEY 125%	Photogrammetry - Existing Edge of Soil, Gravel, and Stone
EX-SV-PH-EOP	90	Continuous	SURVEY 125%	Photogrammetry - Existing Edge of Pavement
EX-SV-PH-EOTHR	9	Continuous	SURVEY 125%	Photogrammetry - Existing Edge of Other Surface
EX-SV-PH-EROS	55	Continuous	SURVEY 100%	Photogrammetry - Existing Erosion Control
EX-SV-PH-FNCE-CLF	37	FENCE - CHAIN LINK	SURVEY 125%	Photogrammetry - Existing Chain Link or Metal Fences
EX-SV-PH-FNCE-OTHR	37	FENCE - CHAIN LINK	SURVEY 125%	Photogrammetry - Existing Fences - Other
EX-SV-PH-FNCE-WOOD	37	FENCE - WOOD RAIL	SURVEY 125%	Photogrammetry - Existing Wood Fences
EX-SV-PH-GRDL-STBM	9	Continuous	SURVEY 100%	Photogrammetry - Existing Steel Post Guardrail and Barrier
EX-SV-PH-GRDL-WOOD	9	Continuous	SURVEY 100%	Photogrammetry - Existing Wood Post Guardrail and Barrier
EX-SV-PH-GRND	30	Continuous	SURVEY 100%	Photogrammetry - Existing Ground Surface
EX-SV-PH-GRND-TEXT	30	Continuous	SURVEY 100%	Photogrammetry - Existing Ground Surface - Text
EX-SV-PH-PM-DASH	9	BROKEN LANE LINE	SOLID 50%	Photogrammetry - Existing Pavement Markings - Dashed
EX-SV-PH-PM-SOLID	9	Continuous	SOLID 50%	Photogrammetry - Existing Pavement Markings - Solid
EX-SV-PH-RRTR	9	Continuous	SURVEY 100%	Photogrammetry - Existing Railroad Items
EX-SV-PH-SRF-BDR	white	Continuous	SURVEY 100%	Photogrammetry - Surface - Border
EX-SV-PH-SRF-FLT	white	Continuous	SURVEY 100%	Photogrammetry - Surface - Faults, Breaklines
EX-SV-PH-SRF-VIEW	8	Continuous	SURVEY 100%	Photogrammetry - Surface - TIN lines
EX-SV-PH-TEXT	104	Continuous	SURVEY 125%	Photogrammetry - Existing Text
EX-SV-PH-TR-FEAT	181	Continuous	SURVEY 100%	Photogrammetry - Traffic Items
EX-SV-PH-UNI	magenta	Continuous	SURVEY 100%	Photogrammetry - Existing Object Unidentifiable

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
EX-SV-PH-UTILITY	30	Continuous	UTILITY EXIST	Photogrammetry - Existing Utilities
EX-SV-PH-UTILITY-OVHD	30	HIDDEN	UTILITY EXIST	Photogrammetry - Existing Overhead Wires
EX-SV-PH-VEGE	104	Continuous	SURVEY 100%	Photogrammetry - Existing Vegetation
EX-SV-PH-WALL	163	Continuous	SURVEY 125%	Photogrammetry - Existing Walls - Other
EX-SV-PH-WALL-RETW	163	Continuous	SURVEY 125%	Photogrammetry - Existing Walls - Retaining
EX-SV-PH-WALL-STONE	163	STONEWALL	SURVEY 125%	Photogrammetry - Existing Walls - Balanced Stone
EX-SV-PH-WETL	blue	DASHED	ENVR EXIST	Photogrammetry - Existing Wetlands, Ponds, Rivers
EX-SV-PH-WETL-TEXT	blue	Continuous	ENVR TEXT	Photogrammetry - Existing Wetlands Text and Symbols
EX-SV-PM-DASH	9	BROKEN LANE LINE	SOLID 50%	Existing Pavement Markings - Dashed
EX-SV-PM-SOLID	9	Continuous	SOLID 50%	Existing Pavement Markings - Solid
EX-SV-RRTR	9	Continuous	SURVEY 100%	Existing Railroad Items
EX-SV-SRF-BDR	white	Continuous	SURVEY 100%	Existing Surface - Border
EX-SV-SRF-FLT	white	Continuous	SURVEY 100%	Existing Surface - Faults, Breaklines
EX-SV-SRF-VIEW	8	Continuous	SURVEY 100%	Existing Surface - TIN lines
EX-SV-TEXT	104	Continuous	SURVEY 125%	Existing Text
EX-SV-TR-FEAT	181	Continuous	SURVEY 100%	Existing Traffic Items
EX-SV-TRAV-ANNO	magenta	Continuous	SURVEY 100%	Existing Traverse Annotations for "Curb Tie & Grading Plan"
EX-SV-TRAV-BLTIE	magenta	DASHED2	SURVEY 100%	Survey Traverse Tie Line
EX-SV-TRAV-GEOM	magenta	Continuous	SURVEY 100%	Survey Traverse Line Geometry Text
EX-SV-TRAV-LINE	magenta	CENTERX2	SURVEY 100%	Survey Traverse Line
EX-SV-TRAV-TEXT	magenta	Continuous	SURVEY 100%	Survey Traverse Text

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
EX-SV-VEGE	104	Continuous	SURVEY 100%	Existing Vegetation
EX-SV-WALL	163	Continuous	SURVEY 125%	Existing Walls - Other
EX-SV-WALL-RETW	163	Continuous	SURVEY 125%	Existing Walls - Retaining
EX-SV-WALL-STONE	163	STONEWALL	SURVEY 125%	Existing Walls - Balanced Stone
EX-SV-WETL	blue	DASHED	ENVR EXIST	Existing Wetlands, Ponds, Rivers
EX-SV-WETL-TEXT	blue	Continuous	ENVR TEXT	Existing Wetlands Text and Symbols
EX-TR-FEAT	181	Continuous	SURVEY 100%	Existing Traffic Items
EX-UT-CATV-STRC	30	Continuous	UTILITY EXIST	Existing Communication/CATV Structures
EX-UT-CATV-TEXT	30	Continuous	UTILITY EXIST	Existing Communication/CATV Text
EX-UT-CATV-UGND	30	HIDDEN2	UTILITY EXIST	Existing Communication/CATV Underground
EX-UT-DRAIN-STRC	252	Continuous	UTILITY EXIST	Existing Drainage Structures
EX-UT-DRAIN-TEXT	252	Continuous	UTILITY EXIST	Existing Drainage Text
EX-UT-DRAIN-UGND	252	HIDDEN2	UTILITY EXIST	Existing Drainage Underground
EX-UT-ELEC-OVHD	11	HIDDEN	UTILITY EXIST	Existing Overhead Wires
EX-UT-ELEC-STRC	11	Continuous	UTILITY EXIST	Existing Electric Structures
EX-UT-ELEC-TEXT	11	Continuous	UTILITY EXIST	Existing Electric Text
EX-UT-ELEC-UGND	11	HIDDEN2	UTILITY EXIST	Existing Electric Underground
EX-UT-GAS-STRC	42	Continuous	UTILITY EXIST	Existing Gas Structures
EX-UT-GAS-TEXT	42	Continuous	UTILITY EXIST	Existing Gas Text
EX-UT-GAS-UGND	42	HIDDEN2	UTILITY EXIST	Existing Gas Underground
EX-UT-OIL-STRC	42	Continuous	UTILITY EXIST	Existing Oil Structures

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
EX-UT-OIL-TEXT	42	Continuous	UTILITY EXIST	Existing Oil Text
EX-UT-OIL-UGND	42	HIDDEN2	UTILITY EXIST	Existing Oil Underground
EX-UT-OTHR-STRC	42	Continuous	UTILITY EXIST	Existing Utility - Other Structures
EX-UT-OTHR-TEXT	42	Continuous	UTILITY EXIST	Existing Utility - Other Text
EX-UT-OTHR-UGND	42	HIDDEN2	UTILITY EXIST	Existing Utility - Other Underground
EX-UT-SEWER-STRC	80	Continuous	UTILITY EXIST	Existing Sewer Structures
EX-UT-SEWER-TEXT	80	Continuous	UTILITY EXIST	Existing Sewer Text
EX-UT-SEWER-UGND	80	HIDDEN2	UTILITY EXIST	Existing Sewer Underground
EX-UT-STEAM-STRC	42	Continuous	UTILITY EXIST	Existing Steam Structures
EX-UT-STEAM-TEXT	42	Continuous	UTILITY EXIST	Existing Steam Text
EX-UT-STEAM-UGND	42	HIDDEN2	UTILITY EXIST	Existing Steam Underground
EX-UT-TELE-STRC	30	Continuous	UTILITY EXIST	Existing Telephone/Communication Structures
EX-UT-TELE-TEXT	30	Continuous	UTILITY EXIST	Existing Telephone/Communication Text
EX-UT-TELE-UGND	30	HIDDEN2	UTILITY EXIST	Existing Telephone/Communication Underground
EX-UT-TR-UGND	30	CONDUIT	UTILITY EXIST	Existing Traffic Items - Underground
EX-UT-WATERSYS-STRC	cyan	Continuous	UTILITY EXIST	Existing Water Systems Structures
EX-UT-WATERSYS-TEXT	cyan	Continuous	UTILITY EXIST	Existing Water Systems Text
EX-UT-WATERSYS-UGND	cyan	HIDDEN2	UTILITY EXIST	Existing Water Systems Underground
GE-DETAILS	white	Continuous	GE-DETAILS	Default General Paperspace Details
GE-DETAILS-COLOR	white	Continuous	COLOR OBJECT	***THAW FOR COLOR PLOTTING ONLY***
GE-DETAILS-PATT	white	Continuous	GE-DETAILS	Default General Paperspace Details - Patterns

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
GE-IMAGES	white	Continuous	BORDER	Default Images Layer
GE-MTCH	white	Continuous	SOLID 100%	Match Lines and Text
GE-PROF-BASE	white	Continuous	SOLID 100%	Profile - Base
GE-PROF-DESIGN	white	Continuous	SOLID 100%	Profile - Design
GE-PROF-EGC	21	DASHED	SOLID 50%	Profile - Existing Grade Centerline
GE-PROF-EGCT	9	Continuous	SOLID 50%	Profile - Existing Grade Centerline Text
GE-PROF-EGL	red	BORDER2	SOLID 50%	Profile - Existing Grade Left
GE-PROF-EGR	104	DIVIDE2	SOLID 50%	Profile - Existing Grade Right
GE-PROF-FGC	white	Continuous	SOLID 100%	Profile - Finish Grade Centerline
GE-PROF-FGCT	white	Continuous	SOLID 100%	Profile - Finish Grade Centerline Text
GE-PROF-TEXT	white	Continuous	SOLID 100%	Profile - Grid Text
GE-PROF-VGRID	252	Continuous	SOLID 50%	Profile - Profile View Grid Lines
GE-SAMPLE-LINE	yellow	Continuous	SOLID 25%	Sample Line Base Layer
GE-SAMPLE-LINE-GRID	252	Continuous	SOLID 75%	Cross Section - Section View Grid Lines
GE-SHEET	white	Continuous	BORDER	Default Border Layer
GE-SRF-BDR	yellow	Continuous	SURVEY 100%	Surface Border
GE-SRF-GRID	9	Continuous	SURVEY 100%	Surface Grid
GE-SRF-PNTS	red	Continuous	SURVEY 100%	Surface points
GE-SRF-VIEW	8	Continuous	SURVEY 100%	Surface TIN lines
GE-TABLE	white	Continuous	OB TEXT 150%	Default Tables layer
GE-TEXT	white	Continuous	OB TEXT 150%	Default General Paperspace Text



NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
GE-VIEWPORT	white	Continuous	BORDER	Default Paperspace Viewport layer
GE-XREF	white	Continuous	BORDER	Default External Reference layer
GE-XSECT	white	Continuous	SOLID 100%	Cross Section
GE-XSECT-EGC	21	HIDDEN2	SOLID 90%	Cross Section - Existing Grade Centerline
GE-XSECT-FGC	white	Continuous	SOLID 100%	Cross Section View
GE-XSECT-TEXT	white	Continuous	SOLID 100%	Cross Section Text
GE-XSECT-VIEW	white	Continuous	SOLID 50%	Cross Section View Base layer
OB-BASELINE	white	Continuous	ROW 100%	Boundary Line - OBJECT
OB-BASELINE-TEXT	white	Continuous	OB TEXT 150%	Baseline Text for Arrow/Leader - OBJECT
OB-FEATURE-LINE	white	Continuous	SOLID 100%	Feature Line - OBJECT
OB-INTERFER	white	Continuous	SOLID 100%	Interference - OBJECT
OB-PARCEL	white	Continuous	ROW 100%	Parcel - OBJECT
OB-PROFILE	white	Continuous	SOLID 100%	Profile - OBJECT
OB-SURFACE	white	Continuous	SOLID 100%	Surface - OBJECT
OB-SURFACE-COLOR	white	Continuous	COLOR OBJECT	Surface - OBJECT - Color Plotting
OB-SURVEY	white	Continuous	SOLID 100%	Survey - OBJECT
OB-TEXT	white	Continuous	OB TEXT 100%	Text for Arrow/Leader - OBJECT
OB-UTILITY	white	Continuous	UTILITY PROP	Utility Line - OBJECT
OB-UTILITY-TEXT	white	Continuous	OB TEXT 100%	Utility Line and Structure - TEXT
PR-BR-CENTER	cyan	CENTER	BR 100%	Proposed Centerline of Components
PR-BR-COMP	red	Continuous	BR 100%	Proposed Bridge Features

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
PR-BR-COMP-HIDN	red	HIDDEN	BR 100%	Proposed Bridge Features - Hidden
PR-BR-CONST-CENTER	cyan	CENTER	BR 150%	Proposed Centerline of Construction and Survey Baseline
PR-BR-CONST-CENTER-GEOM	yellow	Continuous	BR 100%	Proposed Centerline of Construction - Geometry Text
PR-BR-CONSTJT	white	ZIGZAG	BR 100%	Proposed Construction Joint and Proposed Concrete Surface Cut Line
PR-BR-DIMS	cyan	Continuous	BR XREF	Proposed Bridge Dimensions
PR-BR-DIMS-EXT	cyan	Continuous	BR 50%	Proposed Bridge Dimensions - Manually Created Extension Lines
PR-BR-HATCH	blue	Continuous	SOLID 50%	Proposed Bridge Hatching
PR-BR-REBAR	magenta	Continuous	BR 200%	Proposed Bridge Rebar
PR-BR-TEXT	yellow	Continuous	BR 100%	Proposed Bridge Text
PR-BR-TEXT-D	green	Continuous	BR 175%	Proposed Bridge Detail/Section Text
PR-BR-TEXT-S	241	Continuous	BR 150%	Proposed Bridge Sub-Title Text
PR-BR-TEXT-T	red	Continuous	BR 175%	Proposed Bridge Sheet Title Text
PR-EV-EROS	131	Continuous	ENVR PROP	Proposed Environmental - Erosion Control
PR-EV-REGL-MITG	131	Continuous	ENVR PROP	Regulatory – Mitigation Areas
PR-EV-TEXT	131	Continuous	ENVR PROP	Environmental – Proposed Text
PR-GT-FEAT	white	Continuous	BR 100%	Proposed Geotechnical Features and Text
PR-HD-ASSM	white	Continuous	SOLID 100%	Proposed Assembly
PR-HD-ASSM-LINK	white	Continuous	SOLID 100%	Proposed Assembly: corridor and section links
PR-HD-ASSM-XSECT	white	Continuous	SOLID 100%	Proposed Assembly: corridor cross section
PR-HD-BL-CT	white	DASHED	ROW 200%	Proposed Baseline - County
PR-HD-BL-GEOM	white	Continuous	ROW 100%	Proposed Baseline - Proposed Geometry Text

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
PR-HD-BL-RR	white	DASHEDX2	ROW 200%	Proposed Baseline - Railroad
PR-HD-BL-SHLO	white	DASHED	ROW 200%	Proposed Baseline - State Highway
PR-HD-BL-TEXT	white	Continuous	ROW 100%	Proposed Baseline - Proposed Text
PR-HD-BL-TN	white	DASHED2	ROW 200%	Proposed Baseline - City/Town
PR-HD-BL-XX	white	DASHED2	ROW 200%	Proposed Baseline - Miscellaneous
PR-HD-CONT	33	Continuous	SOLID 100%	Proposed Contours
PR-HD-CONT-USER	white	Continuous	SOLID 100%	Proposed User-Defined Contours
PR-HD-CORR	white	Continuous	SOLID 100%	Proposed Corridor
PR-HD-CORR-PATT	141	Continuous	SOLID 100%	Proposed Corridor: corridor patterns
PR-HD-CORR-SHAP	32	Continuous	SOLID 100%	Proposed Corridor and Section shapes
PR-HD-CORR-SHAP-PATT	white	Continuous	SOLID 100%	Proposed Corridor and Section Shapes hatching
PR-HD-CURB-BOT	140	Continuous	SOLID 125%	Proposed Bottom of Curbing
PR-HD-CURB-TOP	191	Continuous	SOLID 90%	Proposed Top or Back of Curbing
PR-HD-DAYL	white	HIDDEN	SOLID 200%	Proposed Daylight
PR-HD-DETL	140	Continuous	SOLID 100%	Proposed Miscellaneous Items
PR-HD-DRIVEWAY	red	Continuous	SOLID 100%	Proposed Driveway Edge of Pavement
PR-HD-EPAV	150	Continuous	SOLID 125%	Proposed Edge of Pavement
PR-HD-FNCE-CLF	62	FENCE - CHAIN LINK	SOLID 100%	Proposed Fence - Chain Link
PR-HD-FNCE-WRF	62	FENCE - WOOD RAIL	SOLID 100%	Proposed Fence - Wood Rail
PR-HD-GRAD-TEXT	white	Continuous	SOLID 100%	Proposed Grading Text
PR-HD-GRDL-STBM	71	GRDRAIL-STEEL-LT	SOLID 100%	Proposed Guardrail - Steel Posts

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
PR-HD-GRDL-WOOD	71	GRDRAIL-WOOD-LT	SOLID 100%	Proposed Guardrail - Wood Posts
PR-HD-GRVL	white	Continuous	SOLID 100%	Proposed Gravel
PR-HD-LIMIT-GRAD	70	DASHED2	SOLID 100%	Proposed Limit of Grading
PR-HD-LIMIT-MILL-OVRLAY	200	HIDDEN2	SOLID 125%	Proposed Limit of Micromilling and Overlay
PR-HD-LIMIT-WORK	magenta	Continuous	SOLID 300%	Proposed Limit of Work
PR-HD-PAVERS	132	Continuous	SOLID 100%	Proposed Edge of Pavers
PR-HD-SAWCUT	cyan	HIDDEN2	SOLID 100%	Proposed Sawcut Line
PR-HD-SSLP	white	HIDDEN	SOLID 90%	Proposed Sideslope
PR-HD-TEXT	white	Continuous	SOLID 100%	Proposed General Design Text
PR-HD-TRGT	210	Continuous	SOLID 100%	Proposed Highway Geometry Model Target
PR-HD-WALK	green	Continuous	SOLID 100%	Proposed Sidewalks
PR-HD-WALK-DWP	yellow	Continuous	SOLID 90%	Proposed Detectable Warning Panel
PR-HD-WALK-JOINT	114	Continuous	SOLID 90%	Proposed Interior Edge of Sidewalks
PR-HD-WALL-CONC	225	RETWALL-LEFT	SOLID 100%	Proposed Walls - Concrete
PR-HD-WALL-OTHER	225	RETWALL-LEFT	SOLID 100%	Proposed Walls - Other
PR-HD-WALL-STONE	225	STONEWALL	SOLID 100%	Proposed Walls - Balanced Stone
PR-LD-DETAILS	white	Continuous	SOLID 100%	Proposed Landscaping Details
PR-LD-DIMS	240	Continuous	SOLID 100%	Proposed Landscaping Dimensions
PR-LD-GRCOVER	green	Continuous	SOLID 100%	Proposed Landscaping Ground Cover
PR-LD-HATCH	white	Continuous	SOLID 100%	Proposed Landscaping Hatching
PR-LD-ORNGRASS	yellow	Continuous	SOLID 100%	Proposed Landscaping Ornamental Grass

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
PR-LD-PERNNL	red	Continuous	SOLID 100%	Proposed Landscaping Perennial Plants
PR-LD-PLNT-TAG	240	Continuous	SOLID 200%	Proposed Landscaping Plant Tag
PR-LD-SEED	green	Continuous	SOLID 100%	Proposed Landscaping Seed Standard
PR-LD-SHRUB	white	Continuous	SOLID 100%	Proposed Landscaping Shrubs
PR-LD-SITE-FURNISH	182	Continuous	SOLID 100%	Proposed Landscaping Site Furnishings
PR-LD-TEXT	240	Continuous	SOLID 100%	Proposed Landscaping Text
PR-LD-TREE	white	Continuous	SOLID 200%	Proposed Landscaping Trees
PR-LD-TREE-PROT	182	Continuous	SOLID 200%	Proposed Landscaping Tree Protection
PR-LO-CT	blue	Continuous	ROW 200%	Proposed County Layout Lines
PR-LO-GEOM	blue	Continuous	ROW 200%	Proposed Geometry Text for Layout Lines
PR-LO-RR	blue	Continuous	ROW 200%	Proposed Railroad Layout Lines
PR-LO-SHALT	blue	Continuous	ROW 200%	Proposed State Highway Alteration Lines
PR-LO-SHALT-TIES	blue	DASHED2	ROW 100%	Proposed State Highway Alteration Baseline Ties
PR-LO-SHDISC	blue	DASHED	ROW 200%	Proposed State Highway Discontinuance Lines
PR-LO-SHLO-SPRCD	blue	DASHED	ROW 100%	Proposed State Highway Superseded Layout Lines
PR-LO-TEXT	blue	Continuous	ROW 200%	Proposed Text for Layout Information
PR-LO-TN	blue	Continuous	ROW 200%	Proposed Town/City Layout Lines
PR-RW-MISC	211	Continuous	ROW 200%	Proposed Miscellaneous RW Items
PR-RW-MONU	211	Continuous	ROW 200%	Proposed Monuments
PR-RW-PERMEASE-CT	211	LINE OF EASE	ROW 200%	Proposed Permanent Easement (Various) for County
PR-RW-PERMEASE-ST	211	LINE OF EASE	ROW 200%	Proposed Permanent Easement (Various) for State

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
PR-RW-PERMEASE-TN	211	LINE OF EASE	ROW 200%	Proposed Permanent Easement (Various) for Town/City
PR-RW-TEMPEASE	211	LINE OF EASE	ROW 200%	Proposed Temporary Easement (Various)
PR-RW-TEXT	211	Continuous	ROW 100%	Proposed Right of Way Text
PR-TR-FEAT	31	Continuous	SOLID 100%	Proposed Traffic Items
PR-TR-LGHT	31	Continuous	SOLID 100%	Proposed Traffic Lighting
PR-TR-PVMK	31	Continuous	SOLID 100%	Proposed Traffic Pavement Markings
PR-TR-SGNL	31	Continuous	SOLID 100%	Proposed Traffic Signals
PR-TR-SGNS	31	Continuous	SOLID 100%	Proposed Traffic Signs
PR-TR-TEXT	31	Continuous	SOLID 100%	Proposed Traffic Text
PR-TR-UGND	31	CONDUIT	UTILITY PROP	Proposed Traffic Items - Underground
PR-UT-CATV-STRC	40	Continuous	UTILITY PROP	Proposed Communication/CATV Structures
PR-UT-CATV-TEXT	40	Continuous	UTILITY PROP	Proposed Communication/CATV Text
PR-UT-CATV-UGND	40	Continuous	UTILITY PROP	Proposed Communication/CATV Underground
PR-UT-DRAIN-DITCH	white	DASHEDX2	UTILITY PROP	Proposed Drainage Ditch
PR-UT-DRAIN-PROF	white	Continuous	UTILITY PROP	Proposed Drainage Profile
PR-UT-DRAIN-STRC	white	Continuous	UTILITY PROP	Proposed Drainage Structures
PR-UT-DRAIN-TEXT	white	Continuous	UTILITY PROP	Proposed Drainage Text
PR-UT-DRAIN-UGND	white	Continuous	UTILITY PROP	Proposed Drainage Pipes
PR-UT-DRAIN-UGND-PATT	white	Continuous	UTILITY PROP	Proposed Drainage Hatching
PR-UT-DUCE-ROW-ALT	192	Continuous	UTILITY PROP	Proposed DUCE Right of Way Alteration
PR-UT-ELEC-OVHD	red	HIDDEN	UTILITY PROP	Proposed Overhead Wires

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
PR-UT-ELEC-STRC	red	Continuous	UTILITY PROP	Proposed Electric Structures
PR-UT-ELEC-TEXT	red	Continuous	UTILITY PROP	Proposed Electric Text
PR-UT-ELEC-UGND	red	Continuous	UTILITY PROP	Proposed Electric Underground
PR-UT-GAS-STRC	44	Continuous	UTILITY PROP	Proposed Gas Structures
PR-UT-GAS-TEXT	44	Continuous	UTILITY PROP	Proposed Gas Text
PR-UT-GAS-UGND	44	Continuous	UTILITY PROP	Proposed Gas Underground
PR-UT-SEWER-PROF	93	Continuous	UTILITY PROP	Proposed Sewer Profile
PR-UT-SEWER-STRC	93	Continuous	UTILITY PROP	Proposed Sewer Structures
PR-UT-SEWER-TEXT	93	Continuous	UTILITY PROP	Proposed Sewer Text
PR-UT-SEWER-UGND	93	Continuous	UTILITY PROP	Proposed Sewer Pipes
PR-UT-SEWER-UGND-PATT	white	Continuous	UTILITY PROP	Proposed Sewer Hatching
PR-UT-TELE-STRC	40	Continuous	UTILITY PROP	Proposed Telephone Structures
PR-UT-TELE-TEXT	40	Continuous	UTILITY PROP	Proposed Telephone Text
PR-UT-TELE-UGND	40	Continuous	UTILITY PROP	Proposed Telephone Underground
PR-UT-WATERSYS-PROF	150	Continuous	UTILITY PROP	Proposed Water System Profile
PR-UT-WATERSYS-STRC	150	Continuous	UTILITY PROP	Proposed Water System Structures
PR-UT-WATERSYS-TEXT	150	Continuous	UTILITY PROP	Proposed Water System Text
PR-UT-WATERSYS-UGND	150	Continuous	UTILITY PROP	Proposed Water System Pipes
PR-UT-WATERSYS-UGND-PATT	white	Continuous	UTILITY PROP	Proposed Water System Hatching
RD-UT-CATV-STRC	34	Continuous	UTILITY EXIST	Record Location Communication/CATV Structures
RD-UT-CATV-TEXT	34	Continuous	UTILITY EXIST	Record Location Communication/CATV Text

NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
RD-UT-CATV-UGND	30	HIDDEN2	UTILITY EXIST	Record Location Communication/CATV Underground
RD-UT-DRAIN-STRC	251	Continuous	UTILITY EXIST	Record Location Drainage Structures
RD-UT-DRAIN-TEXT	251	Continuous	UTILITY EXIST	Record Location Drainage Text
RD-UT-DRAIN-UGND	251	HIDDEN2	UTILITY EXIST	Record Location Drainage Underground
RD-UT-ELEC-OVHD	15	HIDDEN	UTILITY EXIST	Record Location Overhead Wires
RD-UT-ELEC-STRC	15	Continuous	UTILITY EXIST	Record Location Electric Structures
RD-UT-ELEC-TEXT	15	Continuous	UTILITY EXIST	Record Location Electric Text
RD-UT-ELEC-UGND	15	HIDDEN2	UTILITY EXIST	Record Location Electric Underground
RD-UT-GAS-STRC	52	Continuous	UTILITY EXIST	Record Location Gas Structures
RD-UT-GAS-TEXT	52	Continuous	UTILITY EXIST	Record Location Gas Text
RD-UT-GAS-UGND	52	HIDDEN2	UTILITY EXIST	Record Location Gas Underground
RD-UT-OIL-STRC	52	Continuous	UTILITY EXIST	Record Location Oil Structures
RD-UT-OIL-TEXT	52	Continuous	UTILITY EXIST	Record Location Oil Text
RD-UT-OIL-UGND	52	HIDDEN2	UTILITY EXIST	Record Location Oil Underground
RD-UT-OTHR-STRC	52	Continuous	UTILITY EXIST	Record Location Utility - Other Structures
RD-UT-SEWER-STRC	126	Continuous	UTILITY EXIST	Record Location Sewer Structures
RD-UT-SEWER-TEXT	126	Continuous	UTILITY EXIST	Record Location Sewer Text
RD-UT-SEWER-UGND	126	HIDDEN2	UTILITY EXIST	Record Location Sewer Underground
RD-UT-STEAM-STRC	52	Continuous	UTILITY EXIST	Record Location Steam Structures
RD-UT-STEAM-TEXT	52	Continuous	UTILITY EXIST	Record Location Steam Text
RD-UT-STEAM-UGND	52	HIDDEN2	UTILITY EXIST	Record Location Steam Underground



NAME	COLOR	LINETYPE	PLOT STYLE	DESCRIPTION
RD-UT-TELE-STRC	34	Continuous	UTILITY EXIST	Record Location Telephone/Communication Structures
RD-UT-TELE-TEXT	34	Continuous	UTILITY EXIST	Record Location Telephone/Communication Text
RD-UT-TELE-UGND	34	HIDDEN2	UTILITY EXIST	Record Location Telephone/Communication Underground
RD-UT-TR-UGND	34	CONDUIT	UTILITY EXIST	Record Location Traffic Items - Underground
RD-UT-WATERSYS-STRC	142	Continuous	UTILITY EXIST	Record Location Water Systems Structures
RD-UT-WATERSYS-TEXT	142	Continuous	UTILITY EXIST	Record Location Water Systems Text
RD-UT-WATERSYS-UGND	142	HIDDEN2	UTILITY EXIST	Record Location Water Systems Underground