

E&PM AutoCAD Standards – 2019 Improvements:

As of 1/28/2019

- **Added Engineering Forum (_Forum110118):**
- **Civil 3D 2018 CAD Standards (00_Resources):**
 - *New Hatch and Layer for milling:*
 - *New layer name – PHTCH – MILLING, Color 8.*
- **Production Sheets:**
 - *Storm Water Cover Sheet updated:*
 - *New Hatch added for Sidewalk Cross Slope Transition*

As of 10/19/2018

- **Civil 3D 2018 CAD Standards (00_Resources):**
 - *Added the updated - Civil 3D 2018 Template (C3DCityStandard2018.dwt)*
 - *Updated Plan Production Templates for 2018:*
 - *Transportation (TITLE BLOCK_Trans.dwt)*
 - *Storm Water (TITLE BLOCK_SW.dwt)*
- **Example Sheets:**
 - *New Example of final recorded set of plans.*
 - *New ramp detail examples for new and existing curb and gutter.*
- **QTO – Pay Item:**
 - *Added QTO pay item list CSV and XML files for City Pay Items for use with QTO Manager.*
 - *The provided Pay Item file can be loaded in the QTO Manager in Civil 3D.*
- **Production Sheets:**
 - *General Notes Sheets:*
 - *New 811 Block was added in Transportation and Storm Water.*

E&PM AutoCAD Standards – 2018 Improvements:

As of 2/28/2018

- **Civil 3D 2018 CAD Standards (00_Resources):**
 - *Added - Civil 3D 2018 Template (C3DCityStandard2018.dwt)*
 - *Updated Plan Production Templates for 2018:*
 - *Transportation (TITLE BLOCK_Trans.dwt)*
 - *Storm Water (TITLE BLOCK_SW.dwt)*
 - *New linetype added for EXISTING SEWER FORCE MAIN (--FM--).*
 - *Updated Standards Check file for C3D 2018 Template.*
 - *New Survey CAD Standards Fiber Optic and Telephone Handhole.*
 - *New Survey Description Codes include FOHANDHOLE and TELEHANDHOLE.*

- **Production Sheets:**
 - *General Notes Sheets:*
 - *New revisions made to the Trans. & S/W General Notes Sheet.*
 - *Cover Sheet updated:*
 - *New 2018 Standards Specifications note added.*
- **CAD Details:**
 - *Updated to 2018 file format.*

E&PM AutoCAD Standards – 2017 Improvements:

As of 11/09/2017

- **Civil 3D 2016 Template improvements:**
 - *New Alignment Label Styles for wheelchair ramps:*
 - *Station Offset Label - WCR Detail*
 - *Station Offset Label - WCR Plan*
- **Production Sheets:**
 - *General Notes Sheets:*
 - *New revisions made to the Trans. & S/W General Notes Sheet.*
 - *Trans. Cover Sheet updated:*
 - *New Hatch added for Sidewalk Cross Slope Transition*
 - *Updated Plan Production Templates- General Notes Sheet for 2016:*
 - *Transportation (TITLE BLOCK_Trans.dwt)*
 - *WCR Layout tab with Curb Ramp Detail*
 - *Storm Water (TITLE BLOCK_SW.dwt)*
 - *Updated Standards Check file for C3D 2016 Template.*

As of 09/06/2017

- **Civil 3D 2016 Template improvements:**
 - *Updated transportation cover sheet.*
 - *Updated Drawing Details.*
 - *Update City Standards.dws file for the Civil 3D 2016 template.*

As of 06/16/2017

- **Civil 3D 2016 Template improvements:**
 - *Added/modified Survey Description Codes.*
 - *New and Modified Survey Description Codes include MAGN* and MAGNOL*.*
 - *Updated how Cross Sections are shown on plans.*
 - *City Section View C3D Style – Title Content changed from CL to Parent Alignment.*
 - *Updated Standards Check file for C3D 2016 Template.*
- **Production Sheets:**
 - *General Notes Sheets modified:*
 - *New revisions made to the S/W General Notes Sheet.*
- **CAD Details:**
 - *Added/Modified CAD Details:*
 - *Curb Ramp Gutter Details to be used on all projects with curb ramps.*

E&PM AutoCAD Standards – 2017 Improvements:

As of 04/12/2017

- **Civil 3D 2016 Template improvements:**
 - *Added/modified Survey Description Codes.*
 - *New Survey Description Codes include HEMLOCK, MAG-NAIL, and CYPRESS.*
 - *Updated City Linetype Definition file w/Shape files:*
 - *City Standard Linetypes (Citystd.lin)*
 - *Updated Standards Check file for C3D 2016 Template.*
 - *AutoCAD System Variable “epdfshx” should be set to 0.*

- **Production Sheets:**
 - *Traffic Control Notes Sheets modified:*
 - *New revisions added to Traffic Control Notes Sheet.*
 - *Graphic containing portable sign requirements for sidewalks.*

E&PM AutoCAD Standards – 2016 Improvements:

As of 08/22/2016

- **Civil 3D 2016 CAD Standards (00_Resources):**
 - (See ReadMe-C3D2016.doc in the Documentation directory)*
 - *Updated - Civil 3D 2016 Template (C3DCityStandard2016.dwt)*
 - *Updated Plan Production Templates- General Notes Sheet for 2016:*
 - *Transportation (TITLE BLOCK_Trans.dwt)*
 - *Storm Water (TITLE BLOCK_SW.dwt)*

- **Civil 3D 2016 Template improvements:**
 - *Added City Standard Section Label style.*
 - *Added Post Construction Controls Layers.*
 - *New linetypes for Greenway Easement and Post Construction Controls Easement.*

- **Example Sheets:**
 - *Linetype Example Sheet - New linetype added for Greenway Easement (--GE--).*
 - *New linetype added for Post Construction Controls Easement (--PCC--).*

- **Production Sheets:**
 - *General Notes Sheets:*
 - *Utility changes include the second bullet – Warning: Overhead utilities.*
 - *Accessible ramps and depressed curb note was update.*

- **Documentation for Civil 3D 2016:**
 - *How to apply cross slope labels using a Corridor Surface.*

E&PM AutoCAD Standards – 2016 Improvements:

As of 06/29/2016

- **Civil 3D 2016 CAD Standards (00_Resources):**
 - (See *ReadMe-C3D2016.doc* in the Documentation directory)
 - Updated - Civil 3D 2016 Template (*C3DCityStandard2016.dwt*)
 - Updated Plan Production Templates- Traffic Control Notes Sheet for 2016:
 - Transportation (*TITLE BLOCK_Trans.dwt*)
 - Storm Water (*TITLE BLOCK_SW.dwt*)
 - Added Sheet Set Manager DST file for Transportation for 2016:
 - Transportation (*TITLE BLOCK - TRANSPORTATION.dst*)
- **Production Sheets:**
 - Traffic Control Notes Sheets modified:
 - Traffic Control Notes were cleaned up for consistency.
- **Documentation for Civil 3D 2016:**
 - How to apply Sheet Set Manager and Plan Production for City Projects.

E&PM AutoCAD Standards – 2016 Improvements:

As of 03/30/2016

- **Civil 3D 2016 CAD Standards (00_Resources):**
 - (See *ReadMe-C3D2016.doc* in the Documentation directory)
 - Added - Civil 3D 2016 Template (*C3DCityStandard2016.dwt*)
 - Updated Plan Production Templates for 2016:
 - Transportation (*TITLE BLOCK_Trans.dwt*)
 - Storm Water (*TITLE BLOCK_SW.dwt*)
 - Updated Sheet Set Manager Templates for 2016:
 - Transportation (*CityStandardSheetSet-TRANS.dst*)
 - Storm Water (*CityStandardSheetSet-SW.dst*)
- **Production Sheets:**
 - General Notes Sheets modified:
 - Mail Box Section – The contractor shall relocate all mail boxes as required by section 107-11 of the NCDOT Standard Specifications.
- **Example Sheets:**
 - Linetype Example Sheet - New linetype added for Permanent Shelter Easement (*--PSE--*).
 - Linetype Example Sheet – Remove Sidewalk Easement (*--SE--*), Overhead Utility Easement (*--OUE--*), and Underground Utility Easement (*--UUE--*).

E&PM AutoCAD Standards – 2015 Improvements:

As of 10/16/2015

- **Civil 3D 2015_2016 CAD Standards (00_Resources):**
 - (See *ReadMe-C3D2015.doc* in the *Documentation* directory)
 - *Added - Civil 3D 2016 Template (C3DCityStandard2016.dwt)*
 - *Updated Plan Production Templates for 2016:*
 - *Transportation (TITLE BLOCK_Trans.dwt)*
 - *Storm Water (TITLE BLOCK_SW.dwt)*
- **Production Sheets:**
 - *Plan Production/Title Blocks modified.*
 - *File location path moved to the bottom of sheet.*
 - *Cover Sheets modified.*
 - *WCR symbol changed to a hatch pattern.*
 - *Example sheets modified to show the new hatch pattern.*
- **Documentation for Civil 3D 2015:**
 - *How to apply Sheet Set Manager and Plan Production for City Projects.*

E&PM AutoCAD Standards – 2015 Improvements:

As of 4/06/2015

- **Civil 3D 2015 CAD Standards (00_Resources):**
 - (See *ReadMe-C3D2015.doc* in the *Documentation* directory)
 - *Civil 3D 2015 Template (C3DCityStandard2015.dwt)*
 - *Updated Plan Production Templates:*
 - *Transportation (TITLE BLOCK_Trans.dwt)*
 - *Storm Water (TITLE BLOCK_SW.dwt)*
 - *Updated Sheet Set Manager Templates:*
 - *Transportation (CityStandardSheetSet-TRANS.dst)*
 - *Storm Water (CityStandardSheetSet-SW.dst)*
- **Production Sheets:**
 - *Sheet Set Manager and Plan Production workflow for City Projects:*
 - *CMUD changes to CLTWater.*
 - *General Notes Sheets:*
 - *Various General Note Utility changes include the contractor to stay away 5' from existing utilities.*
- **Documentation for Civil 3D 2015:**
 - *How to apply the new Code Set Style – Label Style for roadway widening widths.*
 - *Sheet Set Management and Plan Production setup in accordance with City Standards.*
 - *How to setup and apply slope labels to sidewalks.*
 - *How to modify a section using the Corridor Section Editor.*
 - *How to delete a specific Alignment Station label.*
 - *How to apply Marked Point Subassembly in the Code Set Style.*