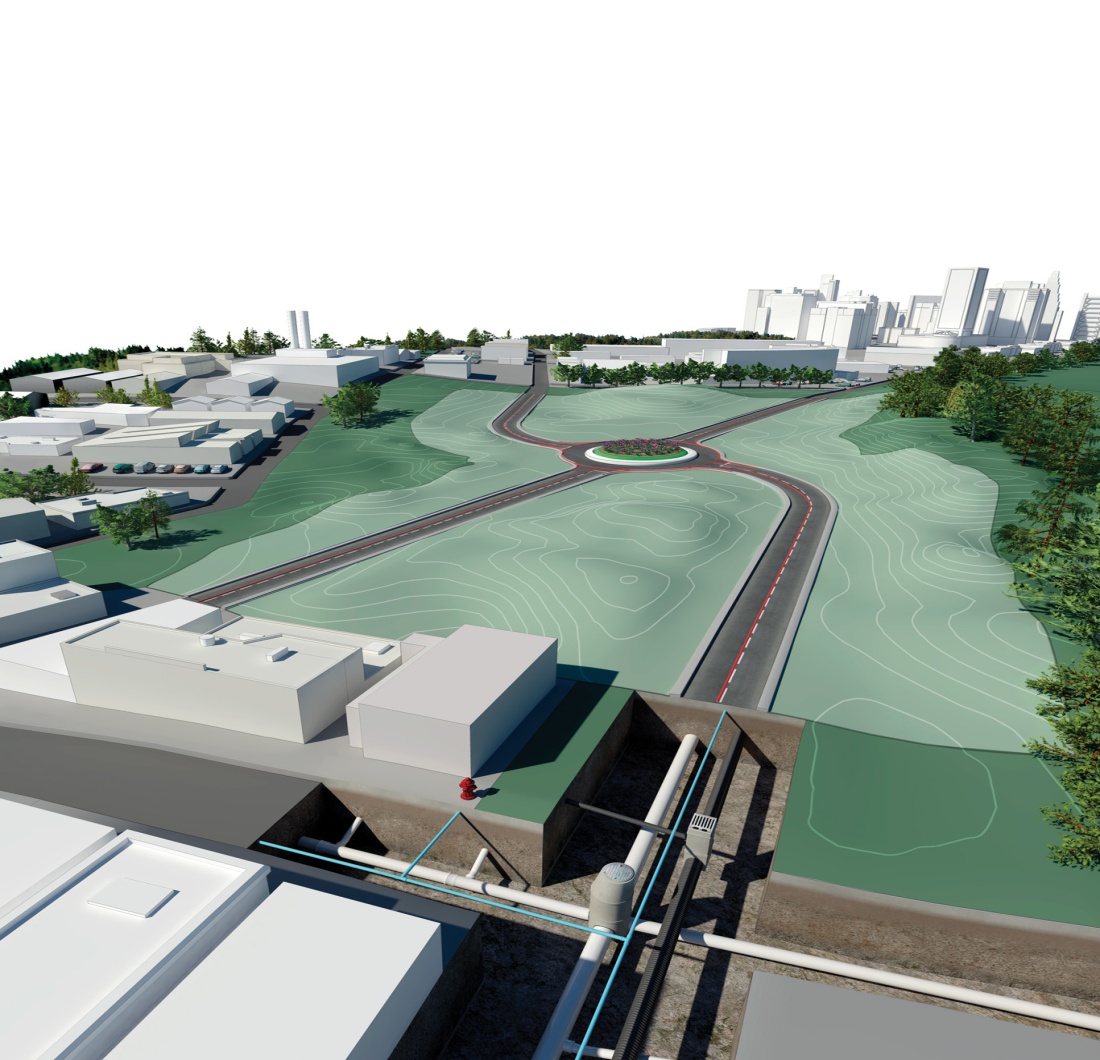
AutoCAD® Civil 3D® 2010

“Country Kit”

Workbook



Purpose of this document:

This document provides guidelines for development and documentation of Civil 3D Country kits

|  |  |
| --- | --- |
| Revision History | Status |
|  |  |
|  |  |
|  |  |
|  |  |

The Requirement Analysis Brief describes the general customer problem to be addressed It is used to present research findings and requirements and is an extension of Product Management’s ‘Market Requirements Document’ (MRD) It is used to help define the scope

**Helpful text appears in italics in this template.** **Delete all italicized comments in the template before you publish your RAB for review.**

Text in parentheses, such as (MRD Theme) are called Fields. Fields in Word allow you to enter a property once in a single place and have that text be kept consistent in the document. Properties are also visible and editable outside the documents in SharePoint. To set the value of a Field, go to File / Properties and use the SharePoint Properties

In order to update Fields, Select all (Ctrl – A ) and press the F9 key. Your text in Fields will update based on the Property value. Note you will also need to edit the Headers separately by double-clicking on them and performing the same action.

Country Kit Workbook

[1 Overview 3](#_Toc216699517)

[1.1 Introduction 3](#_Toc216699518)

[1.2 Content Development Precaution 3](#_Toc216699519)

[2 Fonts and Text Styles 4](#_Toc216699520)

[3 Hatch Patterns 5](#_Toc216699521)

[4 Layers 6](#_Toc216699522)

[5 Reports 7](#_Toc216699523)

[6 Drawing Settings > Object Layers 8](#_Toc216699524)

[6.1 Object Layers 9](#_Toc216699525)

[6.2 Ambient Settings 10](#_Toc216699526)

[7 Object Styles 11](#_Toc216699527)

[7.1 Multi-purpose Styles 11](#_Toc216699528)

[7.2 Points 12](#_Toc216699529)

[7.3 Surfaces 13](#_Toc216699530)

[7.4 Parcels 13](#_Toc216699531)

[7.5 Grading 14](#_Toc216699532)

[7.6 Alignments 14](#_Toc216699533)

[7.7 Profiles 16](#_Toc216699534)

[7.8 Sections 18](#_Toc216699535)

[7.9 Pipe Networks 19](#_Toc216699536)

[7.10 Corridors 21](#_Toc216699537)

[7.11 Plan and Profile Sheets 21](#_Toc216699538)

[7.12 Survey 22](#_Toc216699539)

[7.13 General - Multipurpose Styles – Shape Styles 22](#_Toc216699540)

[8 Object Defaults 24](#_Toc216699541)

[9 Tool palette(s) 25](#_Toc216699542)

[9.1 Subassemblies and assemblies 25](#_Toc216699543)

[9.2 Material styles 25](#_Toc216699544)

[9.3 Drawing symbols and (MV)Blocks 25](#_Toc216699545)

[10 Pipe and Structure Catalogs 26](#_Toc216699546)

[11 Highway design check files 27](#_Toc216699547)

[12 Quantity Take Off 28](#_Toc216699548)

[12.1 Overview of QTO 28](#_Toc216699549)

[12.2 Creation of QTO 28](#_Toc216699550)

[12.3 Installation of QTO 29](#_Toc216699551)

[13 Superelevation standards 30](#_Toc216699552)

[14 Intersection feature – Styles, Names and Assembly sets 31](#_Toc216699553)

[15 Installation 33](#_Toc216699554)

# Overview

## Introduction

This document is intended to provide a comprehensive guide to building and installing a country kit on AutoCAD Civil 3D 2010 and AutoCAD Civil 2010. It also serves as the building block from which the user country kit help document should be created.

It provides a skeleton overview of everything that can be provided to make Civil 3D appear as a local product and a detailed view of new functionality in the latest release of Civil 3D. This somewhat assumes that a country kit of sorts already exists for the previous version, but if it doesn’t exist for your local language then it is recommended to select the country kit deemed closest to your requirements from [www.autodesk.com/civil3d-countrykits](http://www.autodesk.com/civil3d-countrykits) and proceed from there as your starting point.

This document should be provided in both English and your local language (where appropriate). Screen grabs are only required in local language, but descriptions of screen grabs should be provided in both English and local language.

Where a section is not provided for in your template(s) or kit, please do not delete the section or leave blank, but write “Not provided” to ensure that Autodesk know the section has been considered.

## Content Development Precaution

It is important that you add, incrementally to existing country kits, various styles as noted in this document – using Civil 3D 2009 templates that have been converted to Civil 3D 2010 as a baseline. Key things to note in developing these are:

* Autodesk require that all styles are stamped with the creator name as Autodesk. To automate this, set your system log-in name as “Autodesk” so that Created By and Modified By are not stamped with other user names
* Make sure AutoCAD Architecture is not loaded, so that unnecessary dbx modules are not stamped in. Each time – make sure that you save and exit current acad.exe session and reopen the dwt in new session to verify AutoCAD Architecture dbx modules are not loaded. It is good practice to save back multiple versions of your temlate so that we can go back to the previous good one. Autodesk will use Buzzsaw features to help automate this for you at Autodesk provided workshops.
* Please set PLINEGEN variable to 1.

# Fonts and Text Styles

List any additional fonts and text styles created and/or delivered with the country kit. Screen grabs are strongly recommended to illustrate usage.

You must ensure and guarantee you can deliver the intellectual property rights, to Autodesk, of any fonts you are proposing to distribute.

|  |  |  |  |
| --- | --- | --- | --- |
| Text Style | Description | Font | Plotted Size |
|  |  |  |  |

Please quote the actual MRD item wording here. It should include the Personal Goal, Problem Statement, and Requirement(s).

# Hatch Patterns

List any additional hatch patterns and styles created and/or delivered with the country kit. Screen grabs are strongly recommended to illustrate usage.

|  |  |  |
| --- | --- | --- |
| Hatch Pattern Name | Description | Hatch Pattern File |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# Layers

List any layer names created in the country kit template(s) you provide.

Screen grabs are strongly recommended to illustrate usage.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Layer Name* | *Description* | *Color* | *Linetype* | *Style(s) using this layer (this column is not optional here (see section 6))* |
|  |  |  |  |  |

# Reports

List any reports you are either requesting creation of or you are creating in the country kit. You should provide sample output along with description of header fields in both English and your local language (where appropriate)

|  |  |  |  |
| --- | --- | --- | --- |
| *Report Name* | *Description* | *Sample File Name* | *Priority* |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Drawing Settings > Object Layers

|  |  |
| --- | --- |
| Object | Default Layer |
| Alignment | C3D-TRAC |
| Alignment-Labeling | C3D-TRAC-ETICH |
| Alignment Table |  |
| Assembly | C3D-ASSIEME-SEZ-TIPO |
| Corridor | C3D-MODEL |
| Corridor Section |  |
| Feature Line | C3D-TOPO |
| General Note Label |  |
| General Segment Label |  |
| Grading | C3D-SCARP |
| Grading-Labeling | C3D-SCARP -ETICH |
| Grid Surface |  |
| Grid Surface-Labeling |  |
| Interference | C3D-RETE-BLOCO INTERF |
| Mass Haul Line | C3D-TRAC-MOVOMTERRA |
| Mass Haul View | C3D-TRAC-MOVOMTERRA-VISTA |
| Match Line | C3D-RIQUADRO |
| Match Line-Labeling | C3D-RIQUADRO-LINEE\_PASSAGGIO |
| Material Section |  |
| Material Table |  |
| Parcel | C3D-PROP |
| Parcel-Labeling | C3D-PROP-ETICH |
| Parcel Segment | C3D-PROP-LINEE |
| Parcel Segment-Labeling | C3D-PROP-LINEE-ETICH |
| Parcel Table | C3D-PROP-TAB |
| Pipe | C3D-RETE-CONDOTTA |
| Pipe-Labeling | C3D-RETE-CONDOTTA-ETICH |
| Pipe and Structure Table | C3D-SEZ-TAB |
| Pipe Network Section |  |
| Pipe or Structure Profile |  |
| Point Table | C3D-PUNTI-TAB |
| Profile | C3D-PROF |
| Profile-Labeling | C3D-PROF-ETICH |
| Profile View | C3D-PROF-TAB |
| Profile View-Labeling | C3D-PROF-ETICH |
| Sample Line | C3D-SEZ |
| Sample Line-Labeling | C3D-SEZ |
| Section | C3D-SEZ-TERR |
| Section-Labeling | C3D-SEZ-ETICH |
| Section View | C3D-SEZ-TAB |
| Section View-Labeling | C3D-SEZ-ETICH |
| Section View Quantity Takeoff Table | C3D-SEZ-TAB |
| Sheet |  |
| Structure | C3D-RETE-POZZETTO |
| Structure-Labeling | C3D-RETE-SEZ |
| Subassembly |  |
| Surface Legend Table |  |
| Survey Figure | C3D-RILIEVO-FIGURA |
| Survey Network | C3D-RILIEVO-PUNTI CONTROLLI NODI |
| Tin Surface | C3D-TOPO-BORDI |
| Tin Surface-Labeling | C3D-TOPO-ETICH |
| View Frame | C3D-BORDO-RIQUADRO |
| View Frame-Labeling | C3D-RIQUADRO-ETICHETTA |

## Object Layers

The following table lists all ***new*** object types added to the object layers tab in Tuckerman and their content for “out of the box” templates.

|  |  |  |  |
| --- | --- | --- | --- |
| Object | Layer | Modifier | Value |
| Building Site | C3D-EDIF |  |  |
| Intersection | C3D-TRAC-INCRO |  |  |
| *Intersection-Labeling* | C3D-TRAC-INCRO-ETICH |  |  |
| Grading-Labeling |  |  |  |
| Parcel-Labeling |  |  |  |
| Parcel Segment-Labeling |  |  |  |

The following table lists ***existing*** object types on the object layers tab that should have their content for “out of the box” templates updated for Tuckerman.

|  |  |  |  |
| --- | --- | --- | --- |
| Object | Layer | Modifier | Value |
| Pipe | C3D-RETE-CONDOTTA |  |  |
| Pipe Network Section |  |  |  |

## Ambient Settings

The following are the new drawing level ambient settings introduced in Tuckerman.

|  |  |  |
| --- | --- | --- |
| Node | Setting | Default |
| General | Driving Direction | Right Side of the Road (Commonwealth country kits should change this to “Left Side of the Road”) |

# Object Styles

List all object styles you include in the country kit template(s) you are providing. You should provide a screen grab (in local language) (and optionally a drawing file) along with description and usage of the style in both English and your local language.

You must also indicate the name of the template file(s) that the style is saved in.

## Multi-purpose Styles

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Feature Line Styles | Description | Screen grab / DWF / DWG | Default |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Code Set Styles | Description | Screen grab / DWF / DWG | Default |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Marker Styles | Description | Screen grab / DWF / DWG | Default |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Link Styles | Description | Screen grab / DWF / DWG | Default |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Shape Styles | Description | Screen grab / DWF / DWG | Default |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Slope Pattern Style | Description | Screen grab / DWF / DWG | Default |
| IT-standard | C3D-SCARP-BARBETTE |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Multipurpose Label Styles | Description | Screen grab / DWF / DWG | Default |
| Note |  |  |  |
|  |  |  |  |
| Line |  |  |  |
|  |  |  |  |
| Curve |  |  |  |
|  |  |  |  |
| Marker |  |  |  |
|  |  |  |  |
| Link |  |  |  |
|  |  |  |  |
| Shape |  |  |  |
|  |  |  |  |

## Points

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| User Defined Attribute Classifications | Description | Screen grab / DWF / DWG | Default |
| Inclassified |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Point Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard | Stile Metrico |  |  |
| IT-Standard 2 | Stile Standard Metrico generico |  |  |
| Topographic points: |  |  |  |
| Albero - 6mt | Stile per albero di 6 mt. |  |  |
| Other points define :  Arbusto, bacino di presa, confine, foro di sondaggio, foro ti trivellazione, idrante, invisibile, misura, palo elettricità, palo luce, palo recinzione, pozzetto fognatura, pozzetto raccolta acqua, punto curva altimetrica, punto curva planimetrica, rubinetto, segnale, standard, valvole del gas, valvole del acqua, vertice planimetrico |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Point Label Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard: Nome Quota Codice Descrizione | Stile Metrico: visualizza nome, quota, descrizione e codice del punto |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Description Key Sets | Description | Screen grab / DWF / DWG | Default |
| none |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Point Table Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
|  |  |  |  |

## Surfaces

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Surface Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard: Triangoli | Stile Metrico Standard: visualizza triangoli con bordi. |  |  |
| IT-Standard: Curve di livello 2D (1-5m) | Stile Metrico: visualizza le isoipse ad intervalli di 1 m con curve di livello principali ogni 5 m senza bordi interni in 2 dimensioni |  |  |
| Other surface styles also defined:  Curve di livello 2D (5-10m), Curve di livello 3D (0.5-2.5m), Curve di livello 3D (1-5m), Curve di livello 3D (10-50m), Maglia regolare con quote, triangoli con bordi e direzioni, triangoli con bordi e freccie delle pendenze, triangoli con bordi e punti, triangoli con bordi e punti amplificata, vuoto |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Surface Label Styles Name/Type | Description | Screen grab / DWF / DWG | Default |
| Contour |  |  |  |
| IT Standard | Stile Metrico Standard |  |  |
| Slope |  |  |  |
| IT Standard | Stile Metrico Standard |  |  |
| Spot Elevation |  |  |  |
| IT Standard | Stile Metrico Standard |  |  |
| Watershed |  |  |  |
| IT Standard | Stile Metrico Standard |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Surface Table Styles Name/Type | Description | Screen grab / DWF / DWG | Default |
| Direction |  |  |  |
| IT Standard | Stile Metrico Standard: Numero, Minima e Massima Direzione, Colore |  |  |
| Elevation |  |  |  |
| IT Standard | Stile Metrico Standard: Numero, Minima e Massima Elevazione, Colore |  |  |
| Slope |  |  |  |
| IT Standard | Stile Metrico Standard: Numero, Minima e Massima Pendenza, Colore |  |  |
| Slope Arrow |  |  |  |
| IT Standard | Stile Metrico Standard: Numero, Minima e Massima Pendenza della Freccia, Colore | Same as slope |  |
| Contour |  |  |  |
| IT Standard | Stile Metrico Standard: Numero, Minima e Massima Quota delle Curve di Livello | Same as slope |  |
| Watershed |  |  |  |
| IT Standard | Stile Metrico Standard: descrizione, tipo, Compluvio, Forma, Area | Same as slope |  |
| User Defined Contour |  |  |  |

## Parcels

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| User-Defined Attributes | Description | Screen grab / DWF / DWG | Default |
| unclassified |  |  |  |
|  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Parcel Styles | Description | | Screen grab / DWF / DWG | | Default |
| IT Standard: senza riempimento | Stile Metrico: senza riempimento della particella | |  | |  |
| IT Standard: con riempimento A | Stile Metrico: particella con riempimento a retino solido A | |  | |  |
| Other styles defined:  IT Standard: con riempimento B  IT Standard: con riempimento C  IT Standard: con riempimento D  IT Standard: con riempimento E  IT Standard: con tratteggio A  IT Standard: con tratteggio B  IT Standard: con tratteggio C |  | |  | |  |
|  |  | |  | |  |
| Parcel Label Styles | | Description | | Screen grab / DWF / DWG | Default |
| Area | |  | |  |  |
| IT Standard: Numero | | Stile Metrico: visualizza il numero della particella | |  |  |
| Line | |  | |  |  |
| IT Standard | | Stile Metrico: Riporta lo sviluppo della linea di delimitazione della particella | |  |  |
| Curve | |  | |  |  |
| IT Standard | | Stile Metrico: Riporta sviluppo raggio e delta del segmento curvilineo di una particella | |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Parcel Table Styles | Description | Screen grab / DWF / DWG | Default |
| Line |  |  |  |
| IT Standard | Stile Metrico: disegna una tabella con lunghezza, descrizione e direzione dei segmenti delle particelle |  |  |
| Curve |  |  |  |
| IT Standard | Stile Metrico: Disegna una tabella con lunghezza, raggio e delta relativa ai contorni curvi di una particella | Same as line |  |
| Segment |  |  |  |
| IT Standard |  |  |  |
| Area |  |  |  |
| IT Standard | Stile Metrico tabella: riporta le informazioni delle particelle | Same as line |  |

## Grading

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Grading Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard: Stile scarpata |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Grading Criteria Sets | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Banca di riposo |  |  |  |
| Serie standard,  Set criteri per costruzione scarpate |  |  |  |

## Alignments

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Alignment Style | Description | Screen grab / DWF / DWG | Default |
| * Design Style |  |  |  |
| * Local Road |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Alignment Design Checks | Description | Screen grab / DWF / DWG | Default |
| Design Check Sets |  |  |  |
| IT-Standard |  |  |  |
| Line |  |  |  |
|  | Lman, Lmin |  |  |
| Curve |  |  |  |
|  | Smin, Rmin |  |  |
| Spiral |  |  |  |
|  | A>R/3  A<R  R/3<A>R  A>0,021\*V\*V |  |  |
| Tangent Intersection |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Alignment Label Type/Name | Description | Screen grab / DWF / DWG | Default |
| Alignment Label Sets |  |  |  |
| * All Labels |  |  |  |
| * Major & Minor |  |  |  |
| * Major Minor & Geometry Point |  |  |  |
| Major Station | Label at Major Stations |  |  |
| * Parallel with Tick |  |  |  |
| * Perpendicular with Line |  |  |  |
| * Perpendicular with Tick |  |  |  |
| Minor Station | Label at Minor Stations |  |  |
| * Tick |  |  |  |
| Geometry Point | Label at Geometry Points |  |  |
| * Perpendicular with Tick & Line |  |  |  |
| Profile Geometry Point | Labels at the profile geometry points on the alignment |  |  |
|  |  |  |  |
| Station Equation | Station equation Labels |  |  |
| * Station Ahead & Back |  |  |  |
| Design Speed | Design Speed labels |  |  |
| * Station over Speed |  |  |  |
| Superelevation Critical Points | Labels at the critical Superelevation points on the alignment |  |  |
|  |  |  |  |
| Station Offset | Station Offset Labels |  |  |
|  |  |  |  |
| Line | Tangent labels |  |  |
| IT-Standard Definitivo-Esecutivo |  |  |  |
| Curve | Arc Labels |  |  |
| IT-Standard Definitivo-Esecutivo |  |  |  |
| Spiral | Spiral Labels |  |  |
| IT-Standard Definitivo-Esecutivo |  |  |  |
| Tangent Intersection | PI Labels |  |  |
| • Tangent Intersection  IT-Standard Definitivo-Esecutivo | <[Alignment Name(CP)]>  <[Alignment Description(CP)]>  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Xv=<[PI Easting(Um|P4|RN|Sn|OF|AP)]>  Yv=<[PI Northing(Um|P4|RN|Sn|OF|AP)]>  Alfa=<[Delta Angle(Udeg|FD|P4|RN|AP|OF)]>  Az1=<[Tangent In Direction(Udeg|FD|MB|P6|RN|DSn|CP|AP|OF)]>  Az2=<[Tangent Out Direction(Udeg|FD|MB|P6|RN|DSn|CU|AP|OF)]>  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Xin=<[Spiral 1 PI Easting(Um|P3|RN|AP|Sn|OF)]>  Yin=<[Spiral 1 PI Northing(Um|P3|RN|AP|Sn|OF)]>  TLin=<[Spiral 1 Long Tangent(Um|P3|RN|AP|Sn|OF)]>  TKin=<[Spiral 1 Short Tangent(Um|P3|RN|AP|Sn|OF)]>  L1=<[Spiral 1 Length(Um|P3|RN|AP|Sn|OF)]>  A1=<[Spiral 1 A(P3|RN|Sn|OF)]>  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Xc=<[Curve PI Easting(Um|P4|RN|Sn|OF|AP)]>  Yc=<[Curve PI Northing(Um|P4|RN|Sn|OF|AP)]>  R=<[Curve Radius(Um|P3|RN|AP|Sn|OF)]>  Tc=<[Curve External Tangent(Um|P3|RN|AP|Sn|OF)]>  Sv=<[Curve Length(Um|P3|RN|AP|Sn|OF)]>  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Xout=<[Spiral 2 PI Easting(Um|P3|RN|AP|Sn|OF)]>  Yout=<[Spiral 2 PI Northing(Um|P3|RN|AP|Sn|OF)]>  TLout=<[Spiral 2 Long Tangent(Um|P3|RN|AP|Sn|OF)]>  TKout=<[Spiral 2 Short Tangent(Um|P3|RN|AP|Sn|OF)]>  L2=<[Spiral 2 Length(Um|P3|RN|AP|Sn|OF)]>  A2=<[Spiral 2 A(P3|RN|Sn|OF)]> |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Alignment Table Type/Name | Description | Screen grab / DWF / DWG | Default |
| Line |  |  |  |
| Standard Definitivo-Esecutivo | Stile Metrico per progetto Definitivo-Esecutivo: lunghezza, azimut, E-N punto iniziale, E-N punto finale. |  |  |
| Curve |  |  |  |
| Standard Definitivo-Esecutivo | Stile Metrico per progetto Definitivo-Esecutivo: raggio, lunghezza, azimut della corda, il punto iniziale e finale. |  |  |
| Spiral |  |  |  |
| Standard Definitivo-Esecutivo | Stile Metrico per progetto Definitivo-Esecutivo: lunghezza, A, l'azimut iniziale, il punto iniziale e finale. La tabella non è visibile nella vista 3D. |  |  |
| Segment | Line, curve or spiral element in a single table |  |  |
|  |  |  |  |

## Profiles

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Profile Style | Description | Screen grab / DWF / DWG | Default |
| * Design Style   IT-Standard Profilo Progetto | Stile Metrico: Profilo di progetto per l'Italia |  |  |
| * Local Road |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Profile Design Checks | Description | Screen grab / DWF / DWG | Default |
| Design Check Sets |  |  |  |
| IT-standard |  |  |  |
| Line |  |  |  |
| Pendenza % |  |  |  |
| Curve |  |  |  |
| Sviluppo minimo del raccordo vertical  Rv minimo  Rv minimo sacche |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Profile Label Type/Name | Description | Screen grab / DWF / DWG | Default |
| Profile Label Sets |  |  |  |
| IT-Standard Serie Etich Profilo Progetto Definitivo-Esecutivo | Stile Metrico: visualizza le info dei raccordi altimetrici (in tabelle) e progressiva e quota dei punti di inizio e fine raccordi, sul profilo di progetto |  |  |
| Major Station |  |  |  |
| IT-Standard | Stile Metrico: visualizza le progressive sul profilo |  |  |
| Minor Station |  |  |  |
| IT-Standard |  |  |  |
| Horizontal Geometry Point |  |  |  |
| IT-Standard | Stile Metrico: permette di riportare nel profilo la progressiva e la quota di punti notevoli del tracciato planimetrico. |  |  |
| Grade Breaks |  |  |  |
| IT-Standard | Stile Metrico: non riporta informazioni sul profilo dell'esistente. |  |  |
| Line | Tangent Labels |  |  |
| IT-Standard: Livelletta | Stile Metrico: riporta le pendenze sulle livellette disegnate nel profilo |  |  |
| IT-Standard: Terreno | Stile Metrico: riporta le pendenze sulle livellette disegnate nel profilo |  |  |
| Curve |  |  |  |
| IT-Standard Informazioni Raccordo | Stile Metrico: tabella raccordi con nome tracciato planimetrico, progressiva, quota del vertice, sviluppo e delta pendenze, indicazione di inizio e fine raccordo con quota e progressiva |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Profile View Type/Name | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Vista Profilo | Stile Metrico: stile del cartiglio vista profilo. |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Profile View Label Type/Name | Description | Screen grab / DWF / DWG | Default |
| Station Elevation |  |  |  |
| IT-Standard Progr Quota Profilo | Stile metrico che visualizza la progressiva e la quota del punto selezionato all'interno della vista profilo. |  |  |
| Depth |  |  |  |
| IT-Standard |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Profile Band Type/Name | Description | Screen grab / DWF / DWG | Default |
| Profile Band Set |  |  |  |
| IT-Standard Serie di Finche | Stile Metrico: riporta nome delle sezioni, distanze parziali, progressive di progetto, ettometriche, quote terreno, quote progetto, andamento cigli ed andamento planimetrico nelle finche inferiori; i dati della livelletta nell'unica finca superiore. |  |  |
| Profile Data |  |  |  |
| IT-Standard Finca Ettometriche | Stile Metrico: finca per la quotatura delle ettometriche |  |  |
| Vertical Geometry |  |  |  |
| IT-Standard Finca Livellette | Stile Metrico: finca con i parametri delle livellette |  |  |
| Horizontal Geometry |  |  |  |
| IT-Standard Finca Andamento Planimetrico | indicazione della lunghezza rettifili, sviluppo, raggio ed angolo al centro curve, parametro A |  |  |
| Superelevation Data |  |  |  |
| IT-Standard Finca Andamento Cigli | Stile Metrico: indica rotazioni e sopraelevazioni dei cigli destro e sinstro e la loro progressiva. |  |  |
| Sectional Data |  |  |  |
| IT-Standard Finca Distanze Parziali  IT-Standard Finca Distanze Progressive  IT-Standard Finca Numero Sezione  IT-Standard Finca Quote Progetto  IT-Standard Finca Quote Terreno |  |  |  |
| Pipe Network |  |  |  |
| IT-Standard |  |  |  |

## Sections

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Sample Line Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard | Stile Metrico: inserisce le linee di sezione trasversali |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sample Line Label Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard | Stile Metrico: visualizza solo il nome della sezione perpendicolarmente alla linea |  |  |
| IT-Standard Nome Sezioni con Simboli  IT-Standard Profilname  IT Standard Nome Sezioni con Simboli e Progressiva |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Section Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard | Stile Metrico: contiene lo stile per la visualizzazione della sezione del terreno |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Section Label Styles | Description | Screen grab / DWF / DWG | Default |
| Label Sets |  |  |  |
| IT-Standard |  |  |  |
| Major Offset |  |  |  |
| IT Standard |  |  |  |
| Minor Offset |  |  |  |
| IT-Standard |  |  |  |
| Grade Break |  |  |  |
| IT-Standard Candele |  |  |  |
| IT-Standard Candele Progetto Etichetta  IT-Standard Candele Terreno Etichetta  IT-Standard Progessive terreno  IT-Standard Quote terreno |  |  |  |
| Segment |  |  |  |
| IT-Standard Pendenze Polilinee | Stile Metrico: visualizza le pendenze della polilinea |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Section View Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Vista Sezioni | Stile Metrico: visualizza le pendenze della polilinea |  |  |
| IT-Standard Vista Sezioni Quattro Finca | Stile Metrico: imposta il riquadro-vista nel cartiglio di una sezione |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Group Plot Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Tutto |  |  |  |
| IT-Standard A0 Scala 50 | Stile Metrico: visualizza le sezioni trasversali organizzate in righe e colonne. |  |  |
| IT-Standard A0 Scala 50  IT-Standard A0 Scala 100  IT-Standard A0 Scala 200  IT-Standard A4 | 1:50  1:100  1:200  1:A4 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sheet Styles | Description | Screen grab / DWF / DWG | Default |
| Formato Foglio - A0 Scala 50 | Stile Metrico: ISO A0 (841.00 x 1189.00 mm) |  |  |
| Formato Foglio - A0 Scala 100 |  |  |  |
| Formato Foglio - A0 Scala 200 |  |  |  |
| Formato Foglio – A1 Scala 50 |  |  |  |
| Formato Foglio – A1 Scala 100 |  |  |  |
| Formato Foglio – A1 Scala 200 |  |  |  |
| Formato Foglio – A4 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Label Styles | Description | Screen grab / DWF / DWG | Default |
| Offset Elevation |  |  |  |
| IT-Standard |  |  |  |
| Grade |  |  |  |
| IT-Standard |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Section Band Styles | Description | Screen grab / DWF / DWG | Default |
| Band Sets |  |  |  |
| IT-Standard Serie di Finche vista sezioni | Stile metrico con la serie di finche delle sezioni |  |  |
| IT-Standard Serie di Finche vista sezioni Quattro | Stile metrico con la serie di finche delle sezioni |  |  |
| Section Data |  |  |  |
| IT Standard Finca Progressive Progetto | Stile metrico per la finca delle progressive di progetto |  |  |
| IT Standard Finca Progressive Progetto Vuoto |  |  |  |
| IT Standard Finca Progressive Terreno |  |  |  |
| IT Standard Finca Progressive Terreno Vuoto |  |  |  |
| IT Standard Finca Quote Progetto |  |  |  |
| IT Standard Finca Quote Progetto Vuoto |  |  |  |
| IT Standard Finca Quote Terreno |  |  |  |
| IT Standard Finca Quote Terreno Vuoto |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Section Table Styles | Description | Screen grab / DWF / DWG | Default |
| Total Volume |  |  |  |
| IT-Standard |  |  |  |
| Material |  |  |  |
| IT-Standard |  |  |  |

## Pipe Networks

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Parts Lists | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Elenco componenti |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Interference Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard stile interferenza | Stile metrico per la visualizzazione dell'interferenza tra condotte. |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Pipe Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard: Stile Condotta Fognaria | Stile Metrico: imposta la visualizzazione della condotta. |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Pipe Rule Set | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Regole Condotta Fognaria | Stile Metrico: regole sulla pendenza minima e massima, sul ricoprimento minimo e massimo, sulla lunghezza... |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Pipe Label Styles | Description | Screen grab / DWF / DWG | Default |
| Plan Profile |  |  |  |
| IT-Standard Stile Etichetta Condotta Fognaria Planimetria | Stile Metrico:visualizza nome, descrizione,pendenza lunghezza di una condotta in planimetria e le quote di scorrimento iniziale e finale. |  |  |
| IT-Standard Stile Etichetta Condotta Fognaria Profilo | Stile Metrico: visualizza Nome, Descrizione, Lunghezza, Pendenza e Quota di scorrimento iniziale e finale |  |  |
| Crossing Section |  |  |  |
| IT-Standard |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Pipe Table Styles | Description | Screen grab / DWF / DWG | Default |
| IT Standard |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Structure Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard: Stile Pozzetto Rete Fognaria | Stile Metrico: stile per la visualizzazione del nodo |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Structure Rule Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard: Regole Pozzetto Rete Fognaria | Stile Metrico: stabilisce dislivello e diametro del pozzetto. |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Structure Label Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
| IT-Standard Stile Etichetta Pozzeto Planimetria | Stile Metrico: visualizza Nome, Descrizione, Quota Terreno e Quota di Fondo Pozzetto. |  |  |
| IT-Standard Stile Etichetta Pozzetto Profilo | Stile Metrico: visualizza Nome, Descrizione, Quota Fondo Pozzetto e Quota Terreno. |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Structure Table Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
|  |  |  |  |

## Corridors

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Corridor Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Modellatore | Stile metrico per la visualizzazione del modellatore |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Assembly Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard | Stile Metrico: stile per la visualizzazione dell'assieme |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Mass Haul Line Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Mass Haul View Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Quantity Takeoff Criteria | Description | Screen grab / DWF / DWG | Default |
| IT-Standard | Stile Metrico: un esempio di come organizzare gli articoli volume |  |  |
| IT-Standard Scavo Rilevato |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| QTO Table Styles | Description | Screen grab / DWF / DWG | Default |
| Total Volume |  |  |  |
| IT-Standard |  |  |  |
| Material |  |  |  |
| IT-Standard |  |  |  |

## Plan and Profile Sheets

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| View Frame Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| View Frame Label Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Match Line Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Match Line Label Styles | Description | Screen grab / DWF / DWG | Default |
| Match Line Left |  |  |  |
| IT-Standard |  |  |  |
| Match Line Right |  |  |  |
| IT-Standard |  | Same as Match Line Left |  |

## Survey

<Template file name, start a new table for each template file>

|  |  |  |  |
| --- | --- | --- | --- |
| Network Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Rete di Rilievo | Stile metrico |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Figure Styles | Description | Screen grab / DWF / DWG | Default |
| IT-Standard Figura di Rilievo | Stile metrico per la visualizzazione di una figura di rilievo. |  |  |
|  |  |  |  |

## General - Multipurpose Styles – Shape Styles

This group contains the general component object styles and label styles. The following needs to be noted: (Generally all styles should be included with key description about them)

Add new Shape Style to all DWTs

Name: **Multiple Boundary Material**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Display Component | Visible | Layer | Color | Linetype | LTScale | Lineweight | Plot Style |
| All View Directions: | | | | | | | |
| Shape Border Line | On | C-ROAD-SHAP | Blue | ByLayer | 1.0000 | ByLayer | NA |
| Shape Area Fill | On | C-ROAD-SHAP-PATT | Blue | ByLayer | 1.0000 | ByLayer | NA |

|  |  |  |  |
| --- | --- | --- | --- |
| Hatch Display Component Type | Pattern | Angle | Scale |
| All View Directions: | | | |
| Shape Area Fill | ANSI31 | 0 | 1.7500 |

# Object Defaults

|  |  |  |
| --- | --- | --- |
| Object | Description | Default Style |
| General Note Label Style |  |  |
| General Line Label Style |  |  |
| General Curve Label Style |  |  |
| Point Style |  |  |
| Point Label Style |  |  |
| Point Table Style |  |  |
| Surface Style |  |  |
| Surface Marker Style |  |  |
| Surface Spot Elevation Label Style |  |  |
| Surface Slope Label |  |  |
| Contour Label Major |  |  |
| Contour Label Minor |  |  |
| Contour label User-defined |  |  |
| Parcel Style |  |  |
| Parcel Area Label |  |  |
| Parcel Line label |  |  |
| Parcel Curve Label |  |  |
| Feature Line Style |  |  |
| Grading |  |  |
| Cut Slope Grading |  |  |
| Fill Slope Grading |  |  |
|  |  |  |
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# Tool palette(s)

## Subassemblies and assemblies

List names of files created and provide screengrab with description and usage

## Material styles

List names of files created and provide screengrab with description and usage

## Drawing symbols and (MV)Blocks

List names of files created and provide screengrab with description and usage

# Pipe and Structure Catalogs

Describe additions and changes to pipe and structure catalogs here, with screen grabs.

# Hig*h*way design check files

Civil3D Roadway Design Standards IT.xml (according to “Norme funzionali e geometriche per le construzione delle strade” (DM\_05\_11\_2001))

# Quantity Take Off

## Overview of QTO

The QTO feature of Civil 3D “Tuckerman” is designed to create links between pay items from a DOT master pay items list and elements in the Civil 3D model. After the links are created, the QTO tools can extract the information and create reports or export the information to be used in estimation applications.

For the CK, there are four things that will be needed to make QTO work: a master pay items file, a pay items index file, a units mapping file and a series or custom report templates.

## Creation of QTO

### Master Pay Items List

The Master Pay Items List can have three formats, but the most common will be a CSV file (comma separated file) that contains three fields of information: Pay Item Number, Pay Item Description and Units. The program will use the Windows regional setting for the “List Separator” to split the file on. By default in English (US) this is a “,”.

Getting Started IT.csv CSV file prepared

|  |  |  |
| --- | --- | --- |
| Pay Item | Item Description-USC | UNIT\_E |
| 1.01.2.a. | Irruvidimento di pavimentazione stradale di qualsiasi tipo realizzato mediante incisione meccanica della superficie d'usura: Per superfici superiori a 3.000 m2 | M2 |
| 1.01.2.b. | Irruvidimento di pavimentazione stradale di qualsiasi tipo realizzato mediante incisione meccanica della superficie d'usura: Per superfici inferiori a 3.000 m2 | M2 |
| 1.01.3.a. | Demolizione di sottopavimentazioni e pavimentazioni in conglomerato bituminoso, escluso il trasporto a discarica , eseguita con mezzi meccanici: tappeto d'usura in bitume | M2 |
| 1.01.3.b. | Demolizione di sottopavimentazioni e pavimentazioni in conglomerato bituminoso, escluso il trasporto a discarica , eseguita con mezzi meccanici: binder | M2 |
| 1.01.3.c. | Demolizione di sottopavimentazioni e pavimentazioni in conglomerato bituminoso, escluso il trasporto a discarica , eseguita con mezzi meccanici: tappeto d'usura e binder | M2 |
| 1.01.3.d. | Demolizione di sottopavimentazioni e pavimentazioni in conglomerato bituminoso, escluso il trasporto a discarica , eseguita con mezzi meccanici: tappeto d'usura, binder e massicciata | M2 |
| 1.01.3.e. | Demolizione di sottopavimentazioni e pavimentazioni in conglomerato bituminoso, escluso il trasporto a discarica , eseguita con mezzi meccanici: tappeto d'usura, binder, massicciata e sottofondo di scapoli di pietra posti a mano | M2 |
| 1.01.3.f. | Demolizione di sottopavimentazioni e pavimentazioni in conglomerato bituminoso, escluso il trasporto a discarica , eseguita con mezzi meccanici: tappeto d'usura, binder, massicciata e sottofondo a materasso | M2 |

.

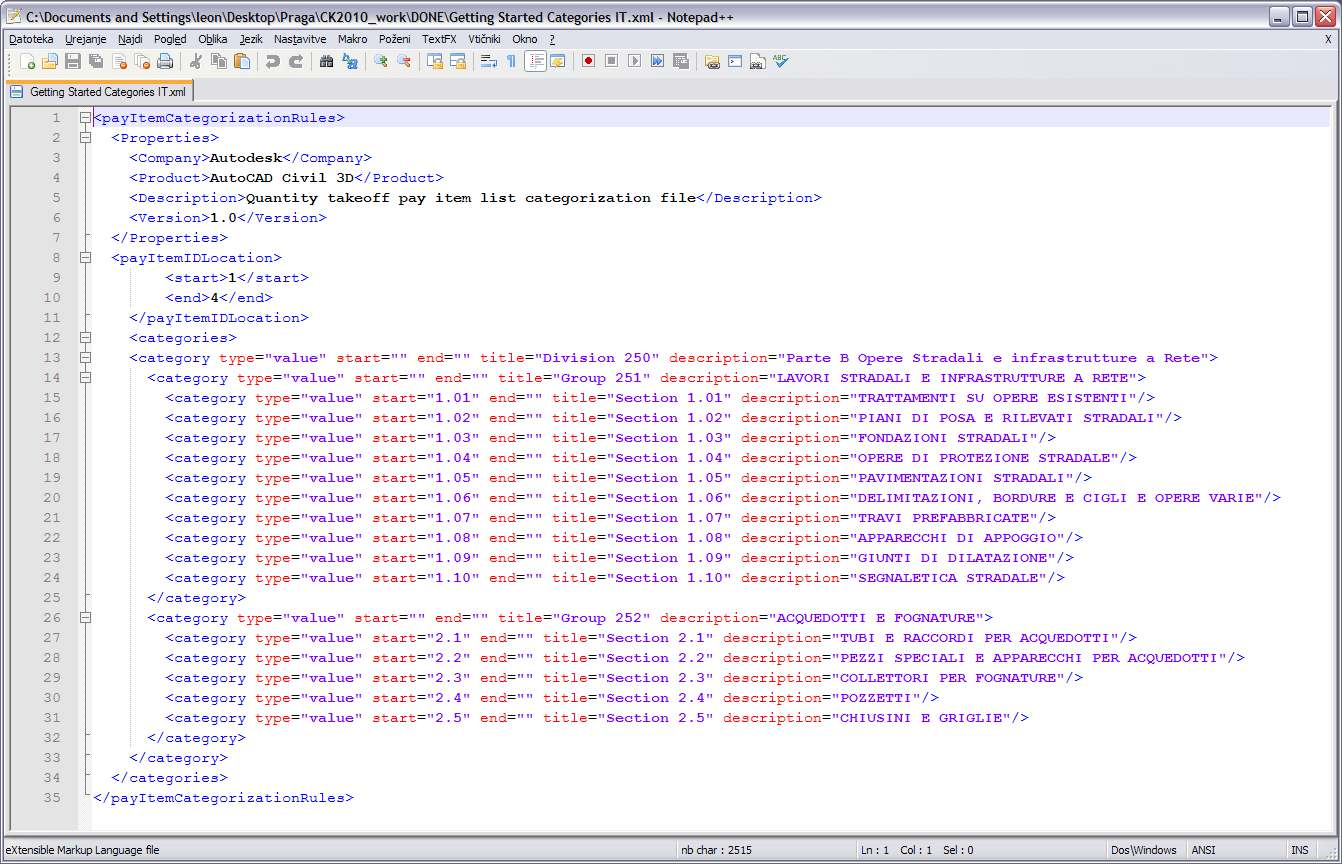
.

.

### Pay Items Index

The Pay Items Index file is used to categorize the Master Pay Items file from a flat list to a tree structure.

Getting Started Categories IT.xml file prepared



### Units Mapping File

The Units Mapping file will map the strings for the units from the local to the system units.

|  |  |
| --- | --- |
| Unit | Description |
| EA | Each |
| LF | Linear Feet |
| SF | Square Feet |

Existing Mapping file was used.

### Reports

Reports for the QTO feature are made using HTML style sheets (.XSL) files to format the QTO output. The output will be formatted by Civil 3D using the ambient settings for the QTO command. The report will list all the QTO items found in the model for the region specified.

Following reports created:

Summary (TXT)\_IT.xsl

Summary (HTML)\_IT.xsl

Summary (CSV)\_IT.xsl

Detailed Linear (TXT)\_IT.xsl

Detailed Linear (HTML)\_IT.xsl

Detailed Linear (CSV)\_IT.xsl

Detailed Area (TXT)\_IT.xsl

Detailed Area (HTML)\_IT.xsl

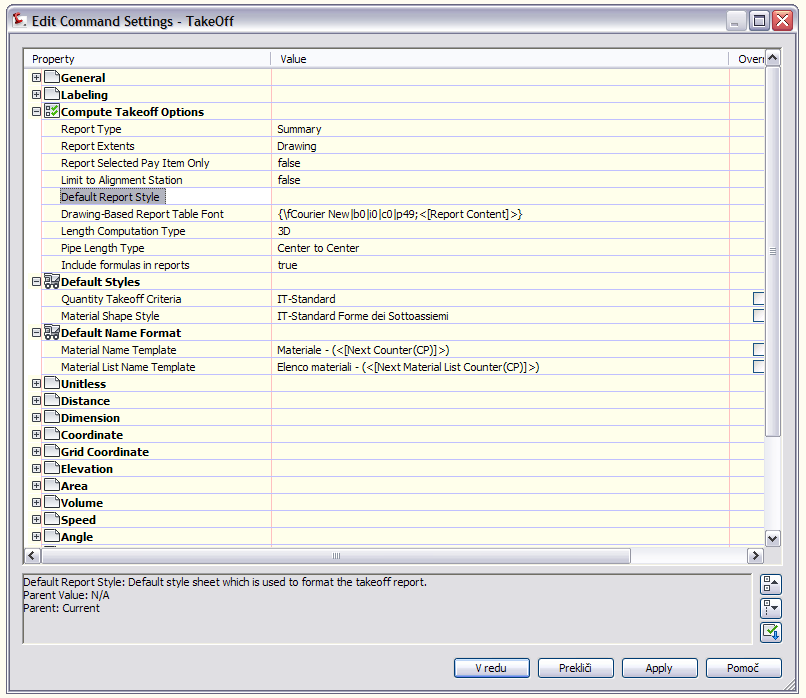
Detailed Area (CSV)\_IT.xsl

### QTO Command Settings

The command settings for the QTO are used to control the output of the xml file that will be published when the user makes a quantity takeoff. The primary settings are:

|  |  |
| --- | --- |
| Setting | Description |
| Linear Unit | Each |
| Area Unit | Linear Feet |
| Volume Units | Square Feet |
| Station |  |

QTO Command Settings:



## Installation of QTO

Future

See section 5.5 of content spec for information on style sheets provided to format quantity reports – provide details here of additional reports required.

# Superelevation standards

Describe the XML file provided?

Civil3D Roadway Design Standards IT.xml

Superelevations adapted to “Norme funzionali e geometriche per le construzione delle strade” (DM\_05\_11\_2001)

<?xml version="1.0" encoding="utf-8"?>

<Civil3DRoadwayDesignStandards xmlns="urn:Civil3DRoadwayDesignStandards-schema" version="" language="" date="" time="">

<Units>

<Metric areaUnit="squareMeter" linearUnit="meter" volumeUnit="cubicMeter" speedUnit="kilometersPerHour" temperatureUnit="celsius" pressureUnit="milliBars" diameterUnit="meter" widthUnit="meter" heightUnit="meter" flowUnit="literPerSecond" angularUnit="radians" directionUnit="radians" />

</Units>

<Alignments>

<MinimumRadiusTables>

<MinimumRadiusTable name="Strade Ae">

<MinimumRadius speed="90" radius="339"></MinimumRadius>

<MinimumRadius speed="100" radius="437"></MinimumRadius>

<MinimumRadius speed="120" radius="667"></MinimumRadius>

<MinimumRadius speed="140" radius="964"></MinimumRadius>

</MinimumRadiusTable>

<MinimumRadiusTable name="Strade Au">

<MinimumRadius speed="80" radius="252"></MinimumRadius>

<MinimumRadius speed="90" radius="339"></MinimumRadius>

<MinimumRadius speed="100" radius="437"></MinimumRadius>

<MinimumRadius speed="120" radius="667"></MinimumRadius>

<MinimumRadius speed="140" radius="964"></MinimumRadius>

</MinimumRadiusTable>

<MinimumRadiusTable name="Strade B">

<MinimumRadius speed="70" radius="178"></MinimumRadius>

<MinimumRadius speed="80" radius="252"></MinimumRadius>

<MinimumRadius speed="90" radius="339"></MinimumRadius>

<MinimumRadius speed="100" radius="437"></MinimumRadius>

<MinimumRadius speed="120" radius="667"></MinimumRadius>

</MinimumRadiusTable>

<MinimumRadiusTable name="Strade C, Fe">

<MinimumRadius speed="40" radius="45"></MinimumRadius>

<MinimumRadius speed="60" radius="118"></MinimumRadius>

<MinimumRadius speed="70" radius="178"></MinimumRadius>

<MinimumRadius speed="80" radius="252"></MinimumRadius>

<MinimumRadius speed="90" radius="339"></MinimumRadius>

<MinimumRadius speed="100" radius="437"></MinimumRadius>

</MinimumRadiusTable>

<MinimumRadiusTable name="Strade D">

<MinimumRadius speed="50" radius="77"></MinimumRadius>

<MinimumRadius speed="80" radius="240"></MinimumRadius>

</MinimumRadiusTable>

<MinimumRadiusTable name="Strade E, Fu">

<MinimumRadius speed="25" radius="19"></MinimumRadius>

<MinimumRadius speed="40" radius="51"></MinimumRadius>

</MinimumRadiusTable>

</MinimumRadiusTables>

<SuperelevationAttainmentMethods>

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<TransitionStylePlanar>

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<TransitionFormula type="NCtoBC" formula="{l}\*{0.67}-{c}/{e})" />

</Continuing>

<Opposing>

<TransitionFormula type="LCtoFS" formula="{l}" />

<TransitionFormula type="LCtoBC" formula="0.67\*{l}" />

<TransitionFormula type="NCtoLC" formula="{l}\*{c}/{s}" />

</Opposing>

</TransitionStylePlanar>

</SuperelevationAttainmentMethod>

<SuperelevationAttainmentMethod name="Crowned">

<TransitionStyleStandard>

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<TransitionFormula type="LCtoBC" formula="{l}-{25.0}" />

<TransitionFormula type="NCtoLC" formula="{25.0}" />

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</SuperelevationAttainmentMethod>

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<SuperelevationDesignSpeed speed="120">

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<SuperelevationRate radius="964" eRate="7.0" />

<SuperelevationRate radius="667" eRate="7.0" />

</SuperelevationDesignSpeed>

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<SuperelevationRate radius="964" eRate="7.0" />

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</SuperelevationDesignSpeed>

<SuperelevationDesignSpeed speed="90">

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<SuperelevationRate radius="339" eRate="7.0" />

</SuperelevationDesignSpeed>

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<TransitionLengthDesignSpeed speed="90">

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<TransitionLength radius="2187" tLength="0" />

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<TransitionLengthDesignSpeed speed="100">

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<TransitionLength radius="964" tLength="456" />

<TransitionLength radius="4820" tLength="0" />

</TransitionLengthDesignSpeed>

</TransitionLengthTable>

</TransitionLengthTables>

</SuperelevationTable>

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continuing

# Intersection feature – Styles, Names and Assembly sets

|  |  |  |  |
| --- | --- | --- | --- |
| Name | DWT Value | Comments | Screengrab/DWG/DWF |
| Intersection Style | Intersection Marker | New Style Needed (see below) |  |
| Intersection Label Style | Intersection Label | New Style Needed (See below) |  |
| Offset Alignment Style | Design |  |  |
| Curb Return Alignment Style | Basic |  |  |
| Offset Profile Style | Design Profile |  |  |
| Curb Return Profile Style | Design Profile |  |  |
| Offset Alignment Label Set | Major and Minor Only |  |  |
| Curb Return Alignment Label Set | Major and Minor Only |  |  |
| Offset Profile Label Set | \_No Labels |  |  |
| Curb Return Profile Label Set | \_No Labels |  |  |
|  |  |  |  |
| Intersection Name Format | (Intersection) - (Next Counter) |  |  |
| Intersection Quadrant Name Format | (Intersection Name) –(Quadrant Location) – QUADRANT |  |  |
| Offset Alignment Name Format | (Parent Alignment Name) – (Side) – (Offset Distance) |  |  |
| Curb Return Alignment Name Format | (Intersection Name) – (Intersection Quadrant Name) |  |  |
| Offset Profile Name Format | (Parent Alignment Name) – (Side) – (Offset Profile Nominal Cross Slope) |  |  |
| Curb Return Profile Name Format | (Parent Alignment Name) - (Intersection Name) – (Intersection Quadrant Name) |  |  |
| Corridor Region Name Format | (Intersection Name) – (Baseline Name) – (Assembly Name) |  |  |

See section 5.4 of content spec for instructions on developing an assembly set for the intersection feature.

# Installation

The following table is used to catalog all the files that are part of the CK along with a brief description, the current location and the folder where they will be installed, and if the file is added to the user cache for second and subsequent restricted rights user installation. This information will be used when the install is created for the CK.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *File Name* | *Description* | *Path* | *Installation Folder* | | *User Cache* |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |