

LAB 18 - Create the Standard Plans List Sheet

The M&S standard sheet is created by downloading the M&S Standards Plan List Index file from the CDOT web site. You can then update the reference in the M&S sheet file to point to this downloaded file.

Chapter Objectives:

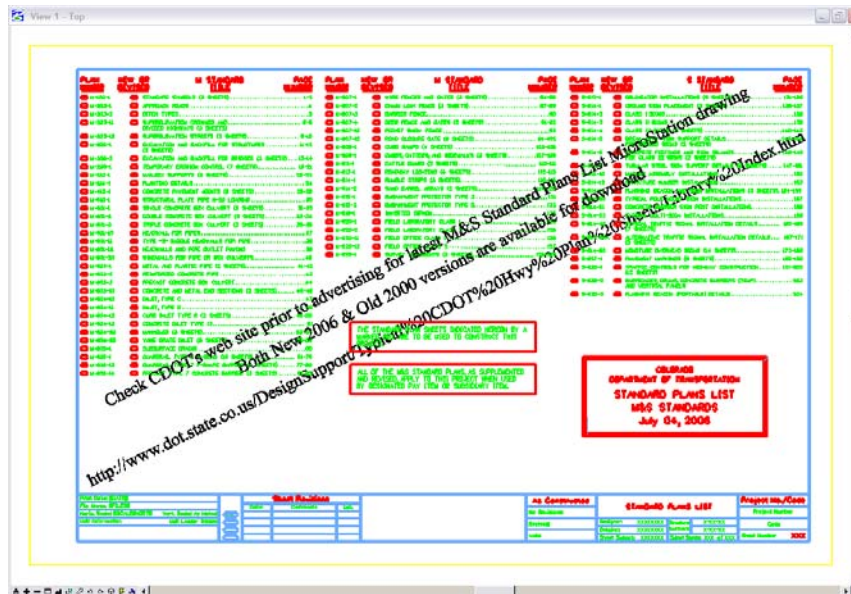
After completing this exercise you will know how to:

- Download the M&S Index file from the CDOT web site.
- Update the M&S sheet file reference to the downloaded file.
- Use the Create Region command to update the M&S Index Sheet for the project.

Lab 18.1 - Create Project Standard Plans List Sheet

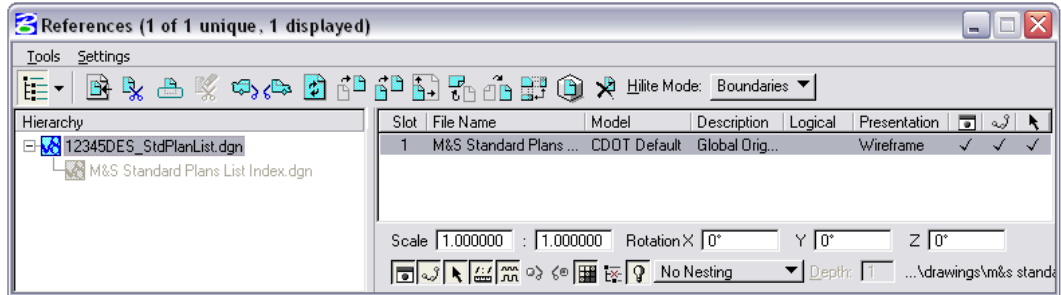
Open the Sheet File

1. Start MicroStation and open the 12345DES_StdPlanList.dgn file from the C:\Projects\12345\Design\Drawings folder.



The file opens and contains the border along with the M&S Standards Plan List reference. It also contains the web address to obtain the latest M&S Index file.

2. Select References from the Primary toolbar.



Note that the M&S StandardPlansListIndex.dgn file is already referenced from the project’s \Design\Drawings folder. It was automatically placed here from the Create Project Directory utility.

Note: If you need newer or different version of the M&S Standards, you can download it from the following web address: www.dot.state.co.us/DesignSupport/. Save the appropriate file to the project’s \Design\Drawings folder and then re-attach this reference.

Update the M&S Index

1. Turn off the DRAFT_INFO_No-Plot level to turn off the text.

Note: Since the text is on a “no plot” level, you don’t have to turn off the text. However, it just makes working in the file a bit easier.

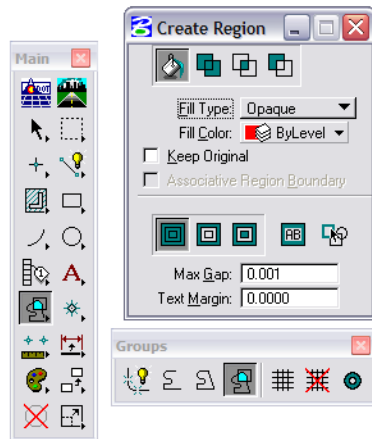
2. Set the active level to DRAFT_WT-3.



3. Window in to the top of the sheet as shown.

PLAN NUMBER	NEW OR REVISED	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER
<input type="checkbox"/> M-100-1	<input type="checkbox"/>	STANDARD SYMBOLS (3 SHEETS).....	1-3	<input type="checkbox"/> M-607-1
<input type="checkbox"/> M-203-1	<input type="checkbox"/>	APPROACH ROADS	4	<input type="checkbox"/> M-607-2
<input type="checkbox"/> M-203-2	<input type="checkbox"/>	DITCH TYPES.....	5	<input type="checkbox"/> M-607-3
<input type="checkbox"/> M-203-11	<input type="checkbox"/>	SUPERELEVATION CROWNED AND	6-8	<input type="checkbox"/> M-607-4
		DIVIDED HIGHWAYS (3 SHEETS)		<input type="checkbox"/> M-607-1
<input type="checkbox"/> M-203-12	<input type="checkbox"/>	SUPERELEVATION STREETS (2 SHEETS)	9-10	<input type="checkbox"/> M-607-1

4. Select the **Create Region** command from the **Groups** toolbar and set the options as shown.



5. For the first plan in the list (M-100-1), <D> inside the block under the **Plan Number** column.
6. <D> to accept.

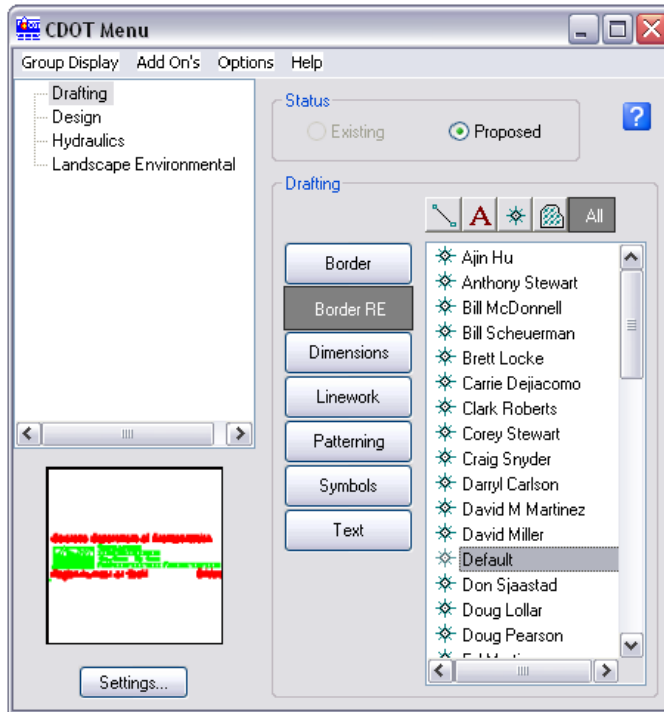
<u>PLAN NUMBER</u>	<u>NEW OR REVISED</u>	<u>M STANDARD TITLE</u>	<u>PAGE NUMBER</u>	<u>PLAN NUMBER</u>
<input checked="" type="checkbox"/> M-100-1	<input type="checkbox"/>	STANDARD SYMBOLS (3 SHEETS).....	1-3	<input type="checkbox"/> M-6
<input type="checkbox"/> M-203-1	<input type="checkbox"/>	APPROACH ROADS	4	<input type="checkbox"/> M-6
<input type="checkbox"/> M-203-2	<input type="checkbox"/>	DITCH TYPES.....	5	<input type="checkbox"/> M-6
<input type="checkbox"/> M-203-11	<input type="checkbox"/>	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS).....	6-8	<input type="checkbox"/> M-6
<input type="checkbox"/> M-203-12	<input type="checkbox"/>	SUPERELEVATION STREETS (2 SHEETS).....	9-10	<input type="checkbox"/> M-6

The block is filled-in using this tool.

7. Fill in other blocks as desired.

Fill in the Border Information

- From the CDOT Menu Explorer, select **Drafting**, then the **Border RE** category and select the **Default Resident Engineer** cell.



- Apply.
- Snap to the location shown to place the cell.

PLAN NUMBER	NEW OR EXISTING	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	NEW OR EXISTING	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	NEW OR EXISTING	S STANDARD TITLE	PAGE NUMBER
1-100-1		STANDARD SYMBOLS (3 SHEETS).....	1-3	1-407-1		WIRE FENCES AND GATES (3 SHEETS).....	84-86	1-408-1		SOLVENTER INSTALLATIONS (3 SHEETS).....	138-139
1-100-2		APPROACH ROADS.....	4	1-407-2		CHAIN LINK FENCE (3 SHEETS).....	87-88	1-408-2		GROUND SIGN PLACEMENT (3 SHEETS).....	138-137
1-100-3		DECK TYPES.....	5	1-407-3		BARBER FENCE.....	89	1-408-3		CLASS I SIGNS.....	139
1-100-10		SURFELEVATION CORING AND CLOSURE SIGNAGE (3 SHEETS).....	6-8	1-407-4		DEEP FENCE AND GATES (2 SHEETS).....	89-90	1-408-4		CLASS II SIGNS.....	139
1-100-10		SURFELEVATION SHEETS (2 SHEETS).....	9-10	1-407-5		POSTY SIGN FENCE.....	90	1-408-4		CLASS III SIGNS (3 SHEETS).....	140-142
1-100-11		ELEVATION AND BACKFILL FOR STRUCTURES.....	10-12	1-407-10		ROAD CLOSURE GATE (3 SHEETS).....	94-99	1-408-4		ONE-WAY ROAD SUPPORT DETAILS FOR BRIDGE SIGNS (3 SHEETS).....	142-144
1-100-12		ELEVATION AND BACKFILL FOR BRIDGES (3 SHEETS).....	13-14	1-407-11		CURB RAILS (4 SHEETS).....	100-102	1-408-4		CONCRETE FOOTINGS AND SIGN STANDS.....	145-146
1-100-13		TEMPORARY EROSION CONTROL (3 SHEETS).....	15-17	1-407-12		CATTLE GARD (3 SHEETS).....	103-105	1-408-4		TUBULAR STEEL SIGN SUPPORT DETAILS (3 SHEETS).....	147-151
1-100-14		INSULATOR SUPPORTS (3 SHEETS).....	18-20	1-407-13		ROADWAY LIGHTING (4 SHEETS).....	106-109	1-408-4		BARREL ASSEMBLY INSTALLATIONS.....	152
1-100-15		PLANTING DETAILS.....	21	1-407-14		RUMBLE STRIPS (3 SHEETS).....	110-112	1-408-4		STRUCTURE NUMBER INSTALLATION.....	153
1-100-16		CONCRETE PAVEMENT JOINTS (3 SHEETS).....	22-23	1-407-15		SAND RIMMED ARMS (3 SHEETS).....	113-115	1-408-4		FLASHING BEACON SIGN POST INSTALLATIONS (3 SHEETS).....	154-156
1-100-17		STRUCTURAL PLATE PIPE H-20 LOADING.....	24	1-407-16		EMERGENCY PROTECTOR TYPE A.....	117	1-408-4		TYPICAL POLE MOUNT SIGN INSTALLATIONS.....	157
1-100-18		SINGLE CONCRETE BOX CULVERT (3 SHEETS).....	25-27	1-407-17		EMERGENCY PROTECTOR TYPE B.....	118	1-408-4		CONCRETE BARBER SIGN POST INSTALLATIONS.....	158
1-100-19		DOUBLE CONCRETE BOX CULVERT (3 SHEETS).....	28-34	1-407-18		INVERTED SPINNAK.....	123	1-408-4		TYPICAL MULTI-TON INSTALLATIONS.....	159
1-100-20		TRIPLE CONCRETE BOX CULVERT (3 SHEETS).....	35-39	1-407-19		FIELD LABORATORY CLASS 1.....	124	1-408-4		TYPICAL MULTI-TON SIGNAL INSTALLATION DETAILS (3 SHEETS).....	160-166
1-100-21		HEADWALLS FOR PIPE OR BOX CULVERTS.....	40	1-407-20		FIELD LABORATORY CLASS 2.....	125	1-408-4		ALTERNATE TRAFFIC SIGNAL INSTALLATION DETAILS (3 SHEETS).....	167-171
1-100-22		TYPE "P" SADDLE HEADWALLS FOR PIPE.....	41	1-407-21		FIELD OFFICE CLASS 1.....	126	1-408-4		MONUMENT OVERHEAD SIGNS (4 SHEETS).....	172-180
1-100-23		HEADWALLS AND PIPE OUTLET PAVING.....	42	1-407-22		FIELD OFFICE CLASS 2.....	127	1-408-4		TRAVEL WARNING (3 SHEETS).....	181-182
1-100-24		CONCRETE AND METAL PIPE HEADWALLS.....	43-45	1-407-23		SURVEY MONUMENTS (3 SHEETS).....	128-129	1-408-4		TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION.....	183-202
1-100-25		INLET, TYPE C.....	46					1-408-4		EMERGENCY SIGNAL OPERATOR BARRIERS (TEMP.) AND VERTICAL PANELS.....	203
1-100-26		INLET, TYPE D.....	47					1-408-4		FLASHING BEACON (PORTABLE) DETAILS.....	204
1-100-27		INLET, TYPE E.....	48								
1-100-28		CURB INLET TYPE B (3 SHEETS).....	49-50								
1-100-29		CONCRETE INLET TYPE D.....	51								
1-100-30		MANHOLE (3 SHEETS).....	52-54								
1-100-31		VANE GRADE INLET (3 SHEETS).....	55-59								
1-100-32		SURFACE DRAINING.....	60								
1-100-33		GURUPAL TYPE 3 W/ARM (3 SHEETS).....	61-76								
1-100-34		GURUPAL TYPE 3 F/ARM (3 SHEETS).....	77-85								
1-100-35		PRECAST TYPE 7 CONCRETE BARRIER (3 SHEETS).....	86-93								

THE STANDARD PLAN SHEETS INDICATED HEREIN BY A MARKED BOX ARE TO BE USED TO CONSTRUCT THIS PROJECT.

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

COLORADO
 DEPARTMENT OF TRANSPORTATION
STANDARD PLANS LIST
 M&S STANDARDS
 July 04, 2006

Print Date: 8/15/06	Sheet Revisions	Colorado Department of Transportation	As Constructed	STANDARD PLANS LIST	Project No./Code						
The Sheet FILE IS: \\fs1\apps\BCEALBERTS\Var1_Signs_Ar_Norm\CDOT\Information\CDOT\CDOT\CDOT	<table border="1"> <tr> <th>Rev</th> <th>By</th> <th>Comments</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Rev	By	Comments				Project Number: 05-0000-0000 Sheet Number: 000 of 000	No. Revisions: 0 Revisions: 0 Value:	Designer: XXXXXXXX Checker: XXXXXXXX Draft: XXXXXXXX	Project Number: XXX-XXX-XXXX Code: XXX-XXX-XXXX Sheet Number: XXX of XXX
Rev	By	Comments									

4. Use the **Edit Text** command to edit the **Project Number** and **Code** as shown.
5. Use the **Edit Text** command to place your initials in the **Designer** and **Detailer** blocks.

STANDARD PLANS LIST			Project No./Code		
			STA 086A-039		
Designer:	CU	Structure	12345		
Detailer:	CU	Numbers			X-XX-XX
Sheet Subset:	XXXXXXX	Subset Sheets:	XXX of XXX	Sheet Number	XXX

6. **Fit** the view.
7. **Save Settings** (File > Save Settings).
8. **Exit** MicroStation.

