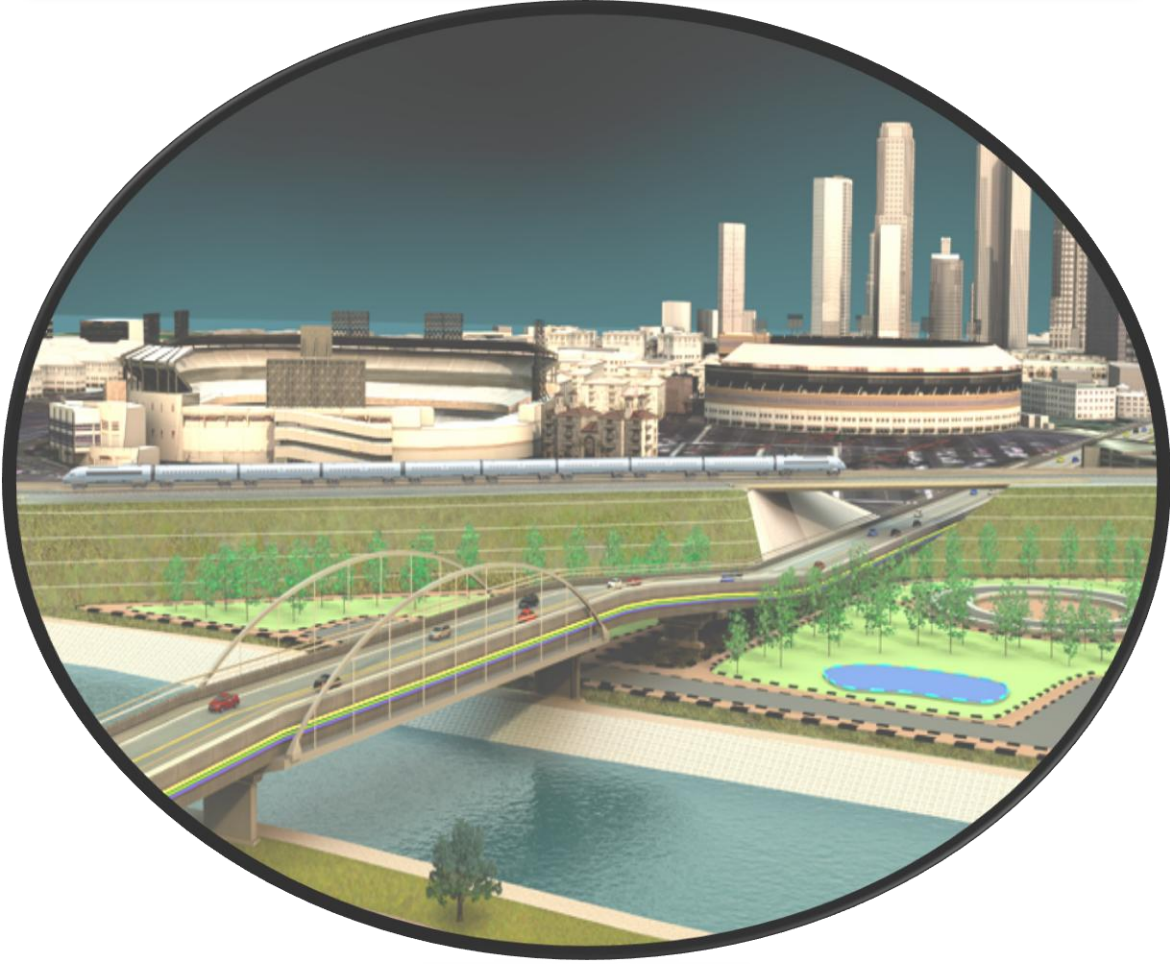


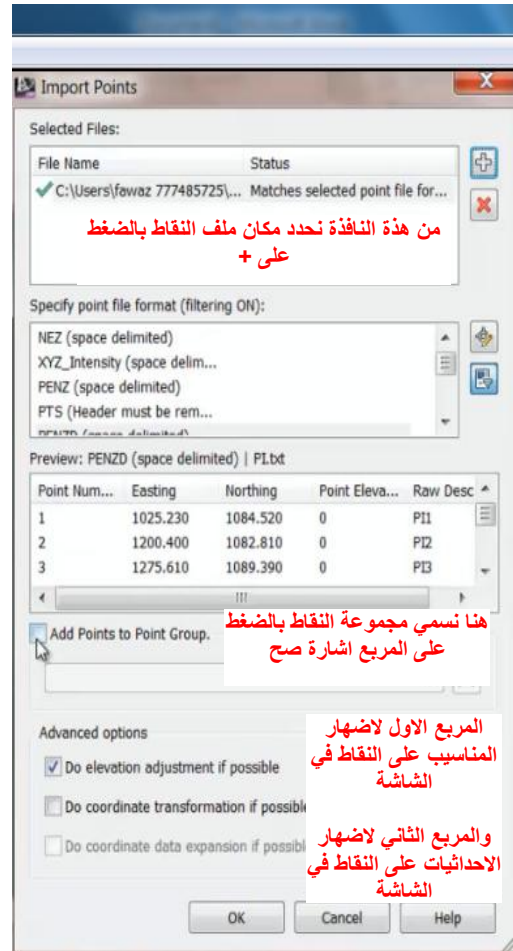
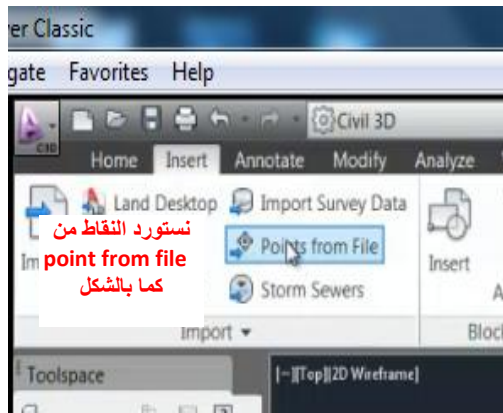
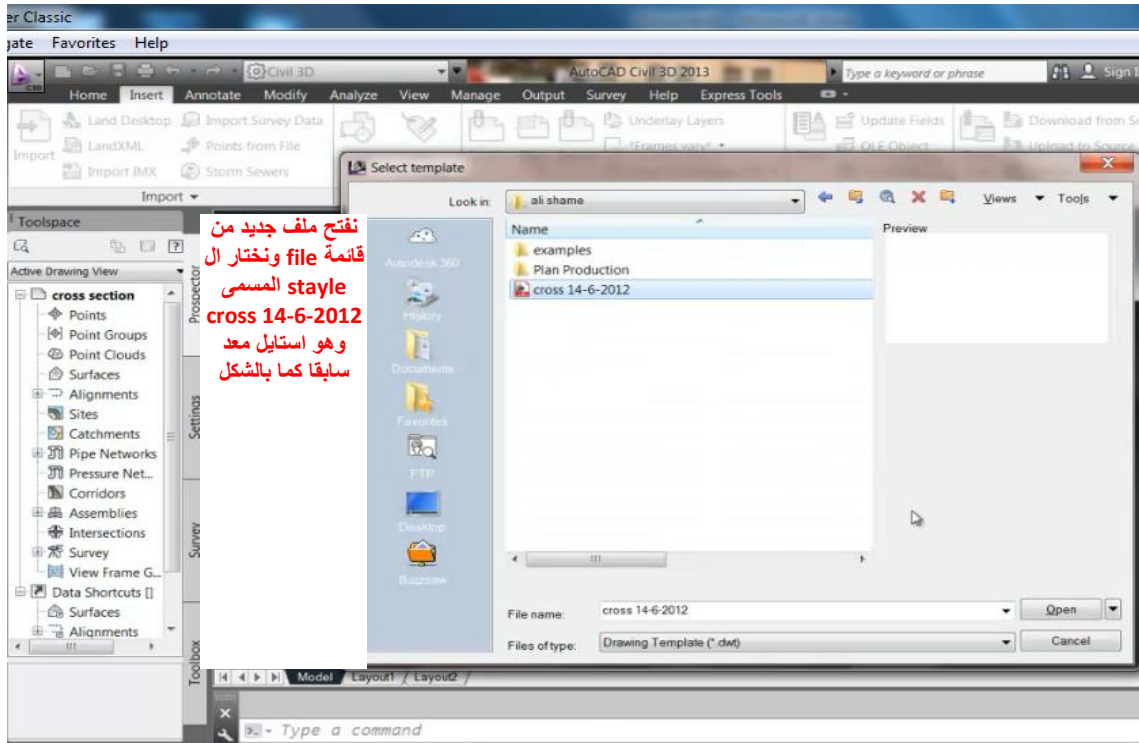
12/1/2012

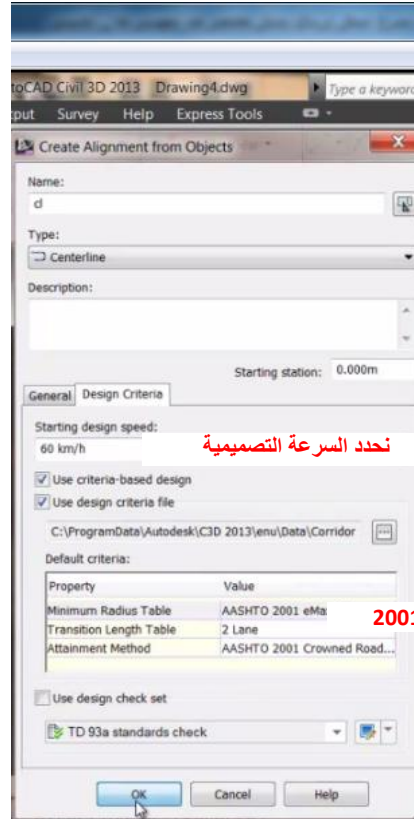
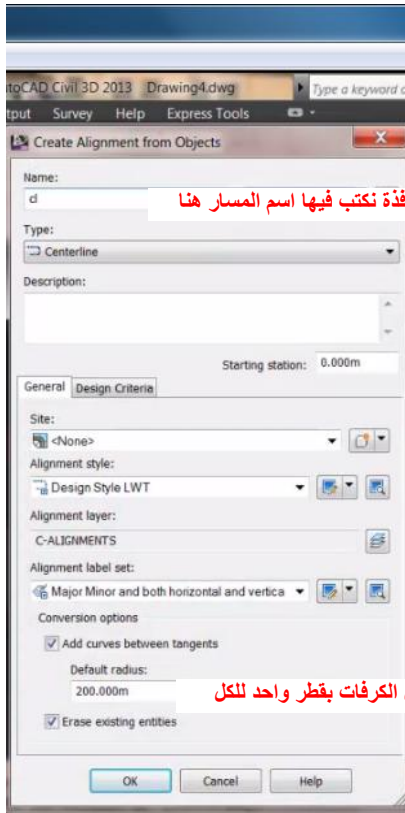
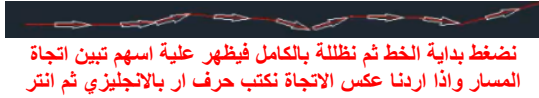
AutoCAD® Civil 3D® 2013



ملزمة لشرح السفل ثريدي 2013

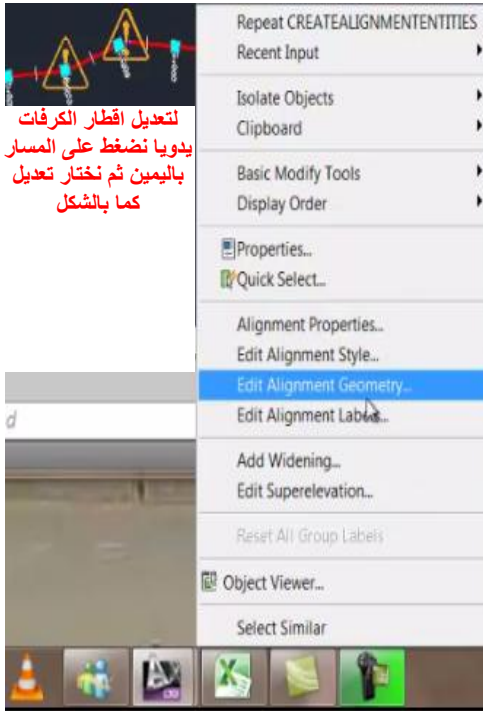
م/ جلال العنسي





نحدد المواصفات حسب الاشتو 2001

نحدد القطر لكل الكرفات بقطر واحد للكل

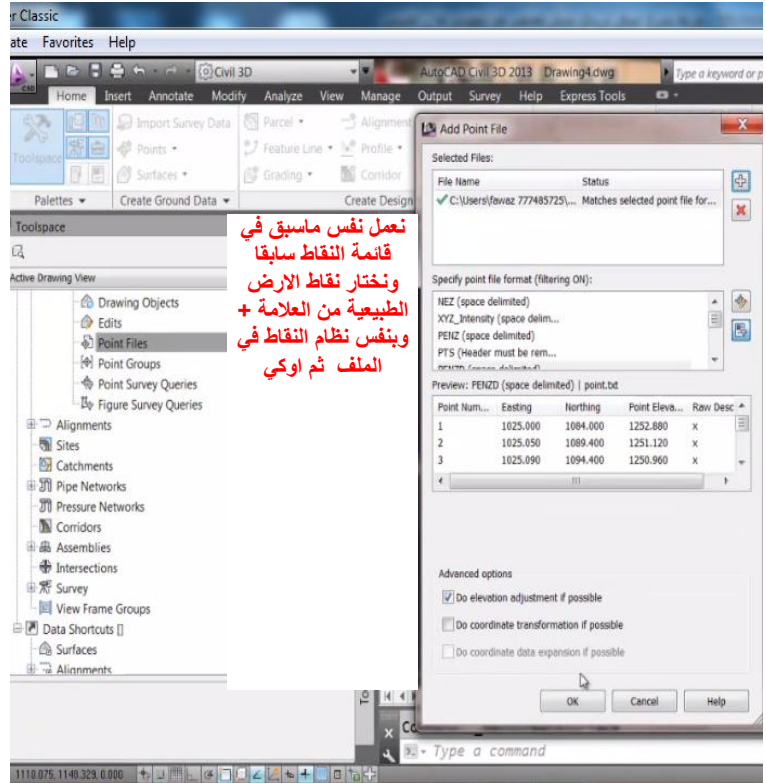
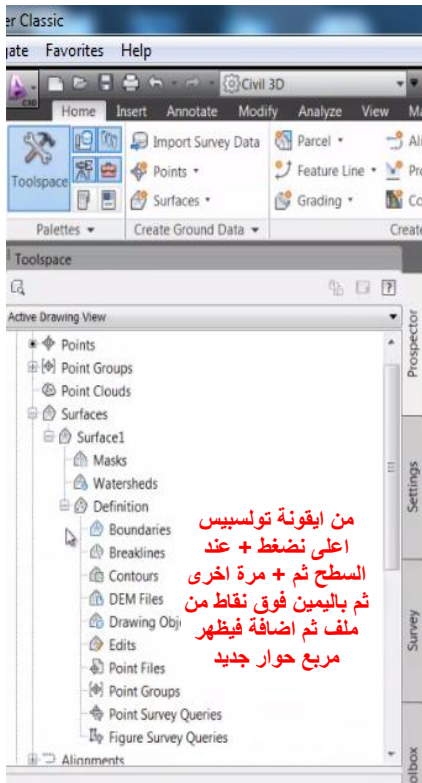
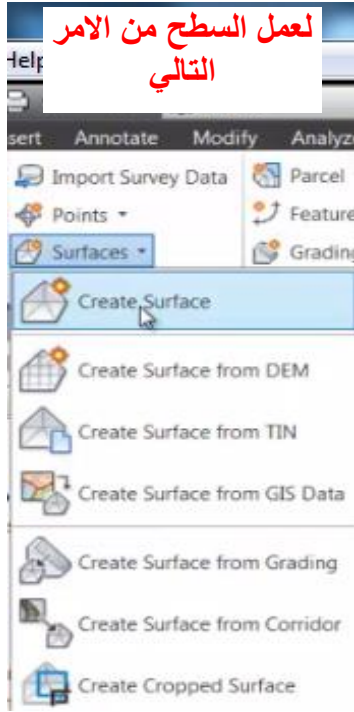


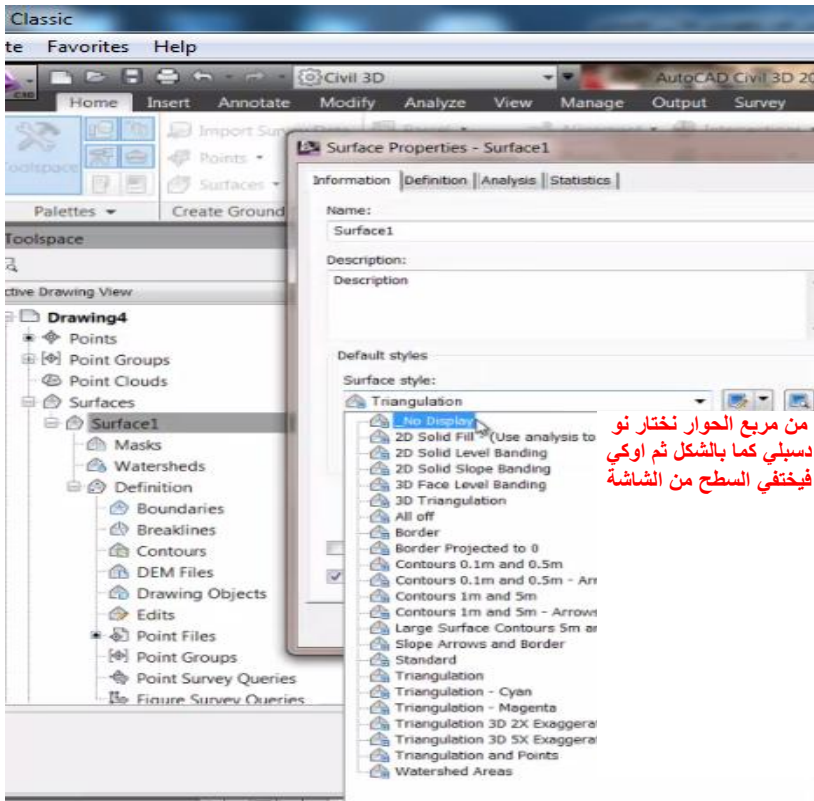
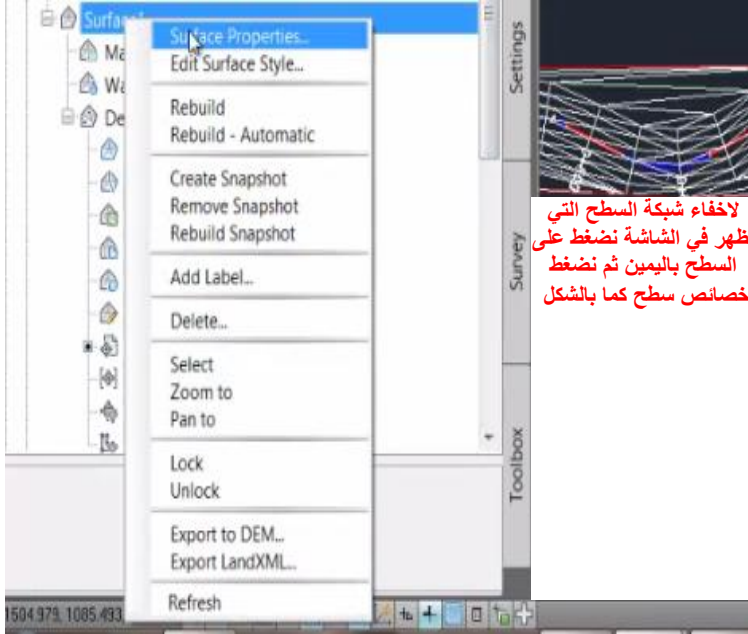
er Classic

gate Favorites Help

No.	Type	Tangency Constraint	Parameter Cons...	Parameter...	Length	Radius	Minimum Radius	Design Speed	Direction	Start Station	End Station	Delta angle	Chord leng
1	Line	Not Constrained (Fixed)		Two points	165.466m			60 km/h	S89° 26' 2...	0.000m	165.466m		19.398m
2	Curve	Constrained on Both Sides (...)		Radius	19.406m	200.000m	135.000m	60 km/h		165.468m	184.874m	005.559 (d)	
3	Line	Not Constrained (Fixed)		Two points	45.349m			60 km/h	N85° 00' 0...	184.874m	230.222m		
4	Curve	Constrained on Both Sides (...)		Radius	40.626m	150.000m	135.000m	60 km/h		230.222m	270.848m	015.518 (d)	40.502m
5	Line	Not Constrained (Fixed)		Two points	22.513m			60 km/h	N69° 28' 5...	270.848m	293.362m		
6	Curve	Constrained on Both Skl...		Radius	26.252m	60.000m	135.000m	60 km/h		293.362m	319.614m	025.069 ...	26.043m
7	Line	Not Constrained (Fixed)		Two points	151.060m			60 km/h	S85° 26' 5...	319.614m	470.674m		
8	Curve	Constrained on Both Skl...		Radius	15.638m	50.000m	135.000m	60 km/h		470.674m	486.312m	017.920 ...	15.575m
9	Line	Not Constrained (Fixed)		Two points	32.445m			60 km/h	S67° 31' 4...	486.312m	518.757m		
10	Curve	Constrained on Both Skl...		Radius	47.599m	60.000m	135.000m	60 km/h		518.757m	566.356m	045.454 ...	46.361m
11	Line	Not Constrained (Fixed)		Two points	58.343m			60 km/h	N67° 01' 0...	566.356m	624.699m		
12	Curve	Constrained on Both Skl...		Radius	6.442m	15.000m	135.000m	60 km/h		624.699m	631.141m	024.607 ...	6.393m
13	Line	Not Constrained (Fixed)		Two points	125.337m			60 km/h	S88° 22' 3...	631.141m	756.478m		
14	Curve	Constrained on Both Skl...		Radius	2.442m	15.000m	135.000m	60 km/h		756.478m	758.920m	009.326 ...	2.439m
15	Line	Not Constrained (Fixed)		Two points	75.869m			60 km/h	S79° 02' 5...	758.920m	834.789m		
16	Curve	Constrained on Both Skl...		Radius	8.166m	15.000m	135.000m	60 km/h		834.789m	842.955m	031.194 ...	8.066m
17	Line	Not Constrained (Fixed)		Two points	158.470m			60 km/h	N69° 45' 2...	842.955m	1001.425m		

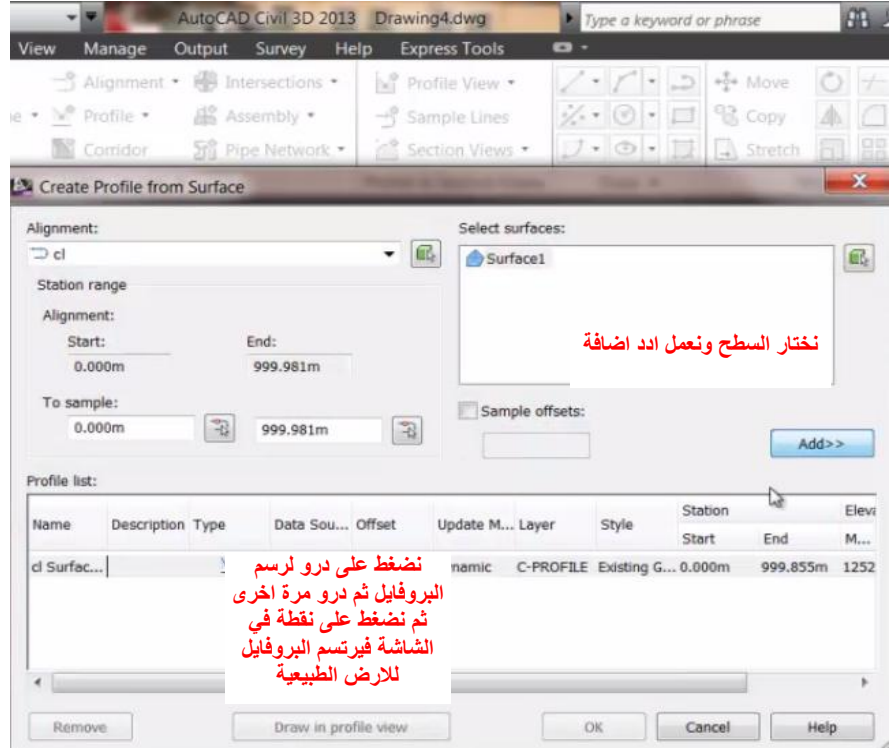
لتعديل اقطار الكرفات بدويا نضغط نقرتين على القطر ونكتب القطر الجديد الذي نريده كما بالشكل



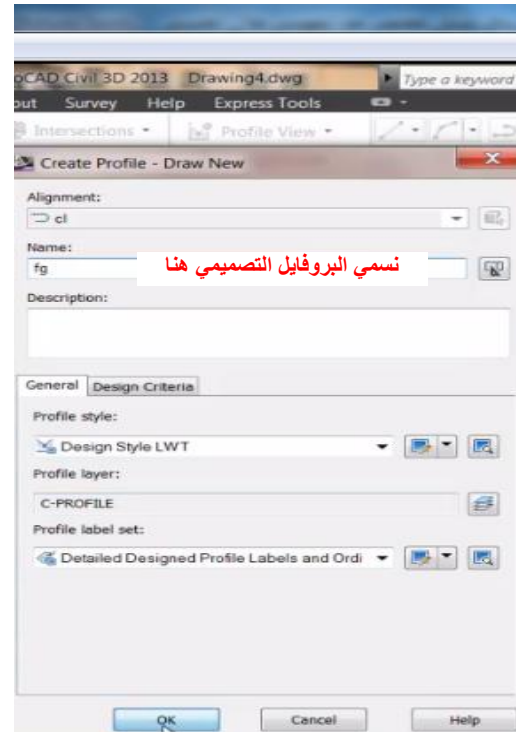
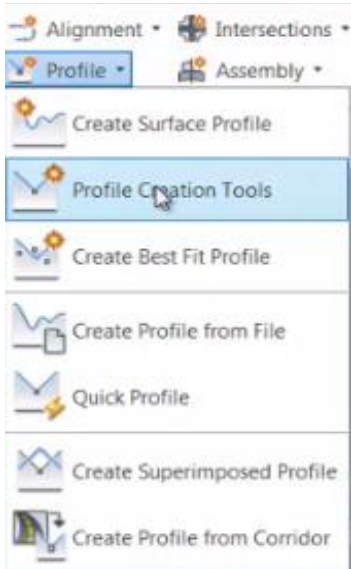


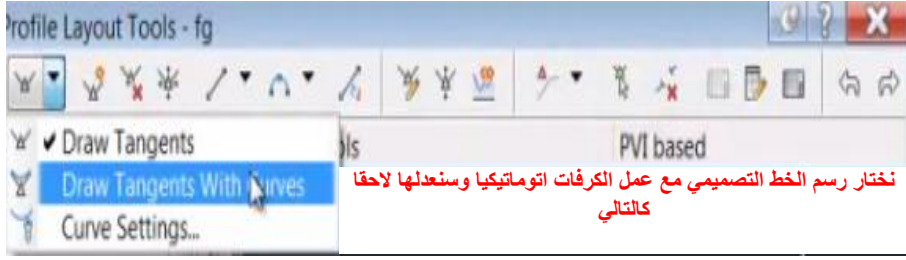
لعمل البروفائل

نختار كريت كما بالشكل

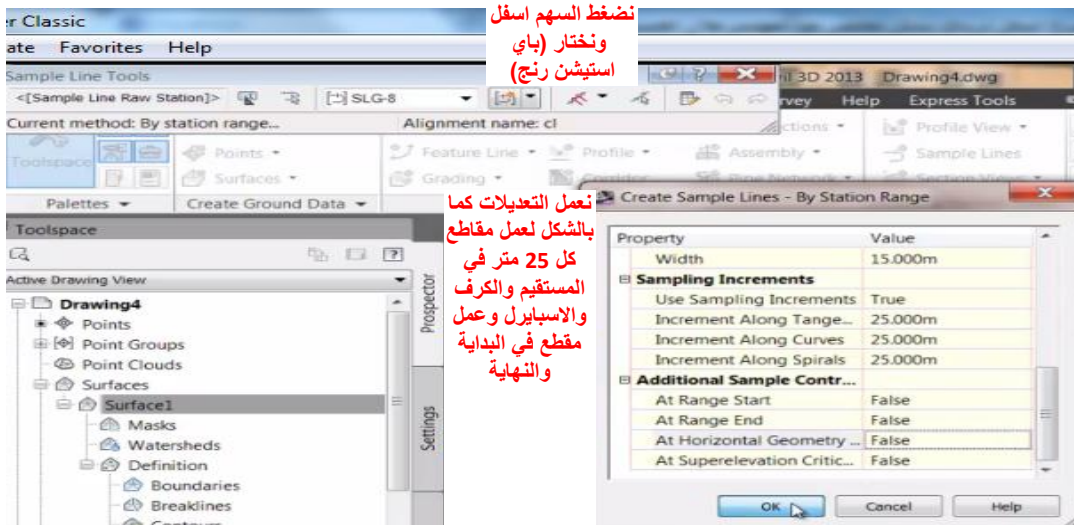
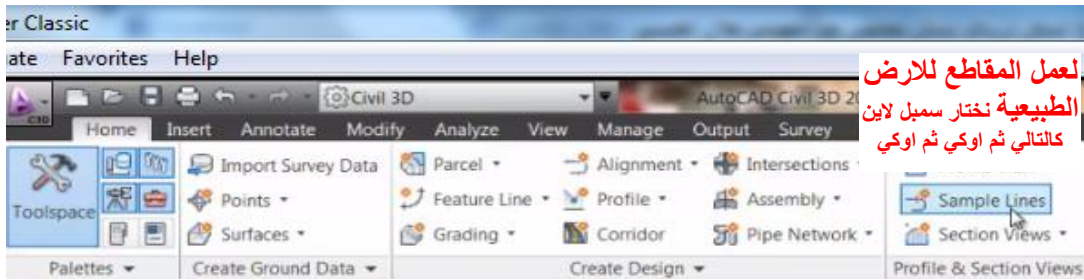
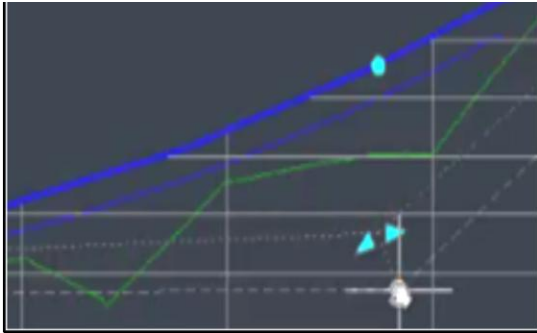


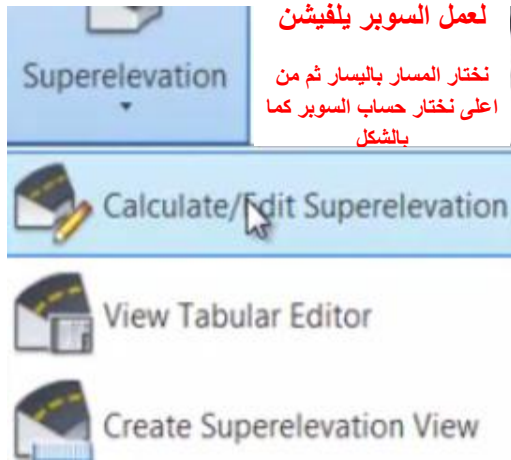
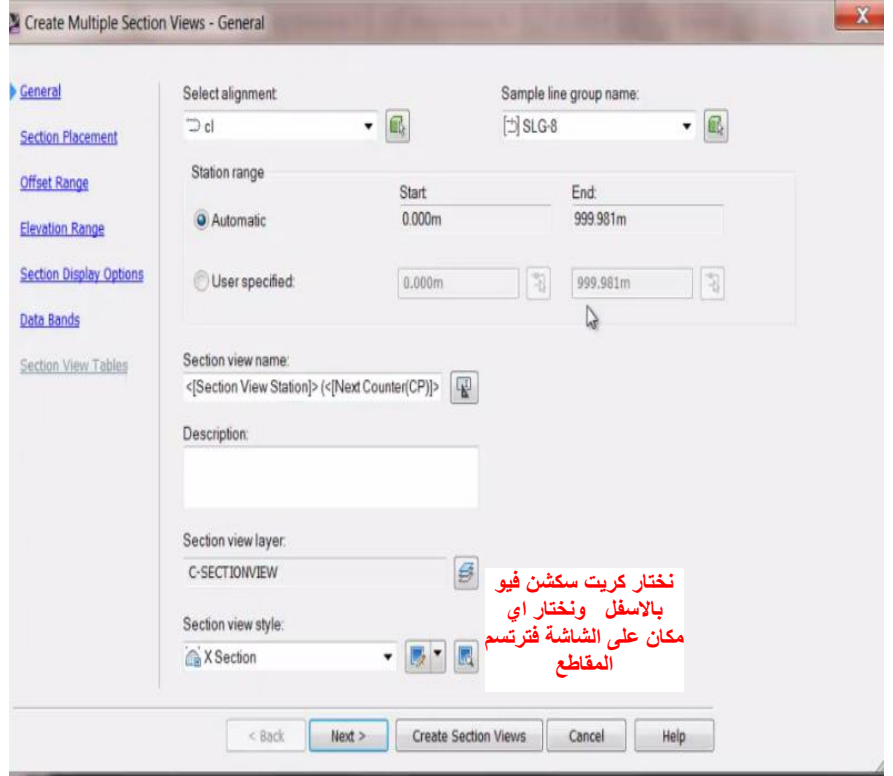
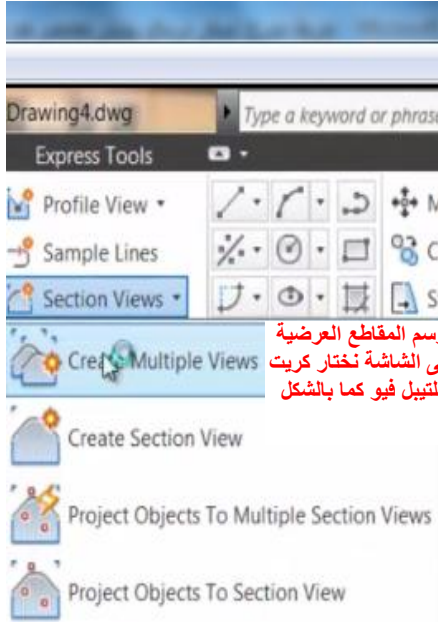
لعمل البروفائل التصميمي كالتالي

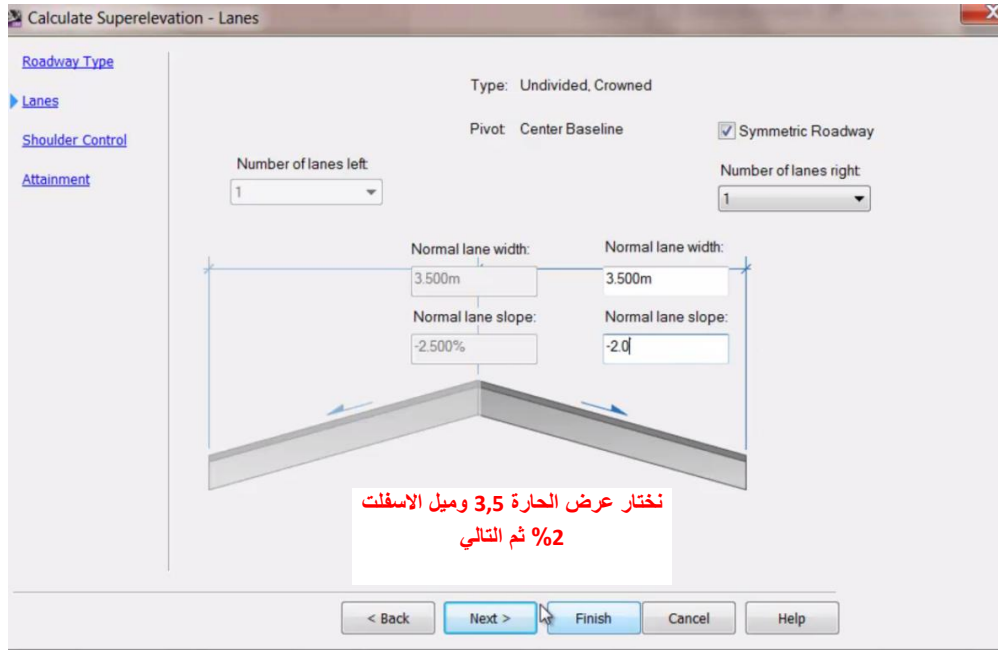
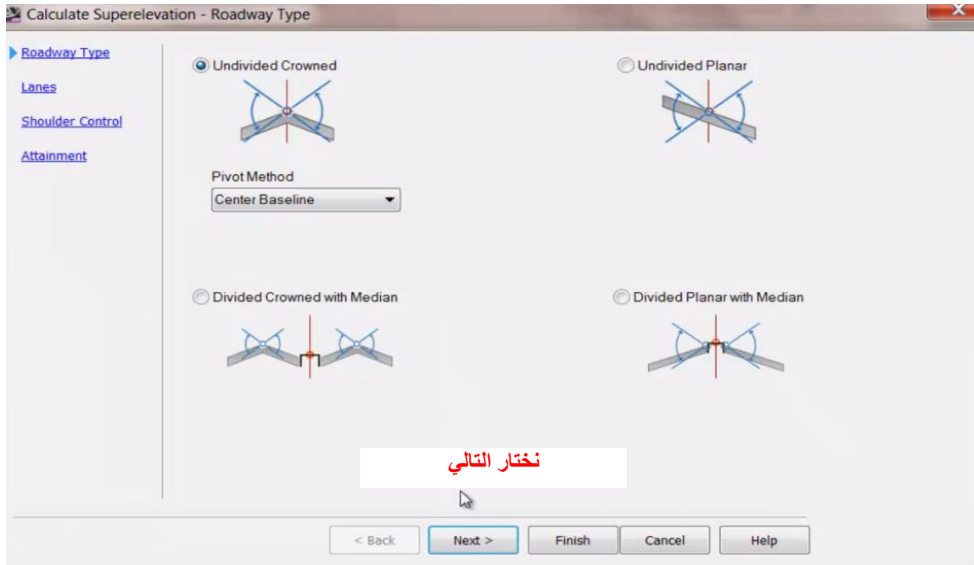




لتعديل الكرفات يمكن الضغط والسحب على نقاط الكرف مباشرة







Calculate Superelevation - Shoulder Control

Roadway Type
Lanes
Shoulder Control
Attainment

Inside median shoulders

Calculate

Normal shoulder width: 5.000m

Normal shoulder slope: -2.500%

Shoulder slope treatment

Low side: Breakover removal

High side: Match lane slopes

Maximum shoulder rollover: 8.000%

Outside edge shoulders

Calculate

Normal shoulder width: 1.000m

Normal shoulder slope: -2.000%

Shoulder slope treatment

Low side: Match lane slopes

High side: Match lane slopes

Maximum shoulder rollover: 8.000%

نختار عرض الكتف 1 متر وميله 2% وطريقة عمل الميل من اخر نقطة للاسفلت اي مواصل لنفس ميل الاسفلت ثم التالي

< Back Next > Finish Cancel Help

Calculate Superelevation - Attainment

Roadway Type
Lanes
Shoulder Control
Attainment

Design criteria file: C:\ProgramData\Autodesk\C3D 2013\enu\Data\Corridr

Superelevation rate table: AASHTO 2001 eMax 6%

Transition length table: 2 Lane

Attainment method: AASHTO 2001 Crowned Roadway


Transition formula for superelevation runoff

% on tangent for tangent-curve: 66.67%

% on spiral for spiral-curve: 100.00%

Curve smoothing

Apply curve smoothing Curve length: 20.000m

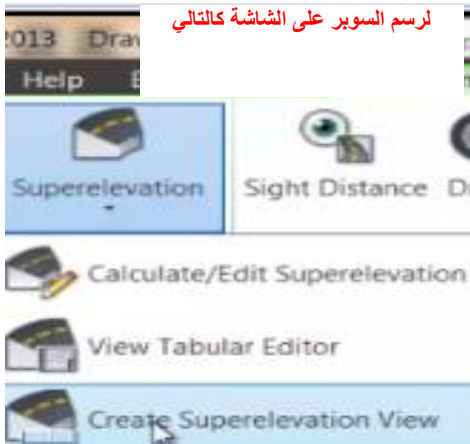
Automatically resolve overlap  This option applies only to the entire alignment.

نختار مربع لعمل حلول اوتوماتيك لمناطق التداخل للكرفات ثم انهاء

< Back Next > Finish Cancel Help

نختار علامة صح اعلى اليمين للاغلاق

Superelevation Curve	Start Station	End Station	Length	Overl...	Left Outside Sh...	Left Outside La...	Right Outside L...	Right Outside S...
End Full Super	178.208m				-3.900%	-3.900%	3.900%	3.900%
Curve.2								
Transition In Region	237.888m	237.888m	0.000m					
Begin Full Super	237.888m				-4.400%	-4.400%	4.400%	4.400%
Transition Out Region	263.182m	263.182m	0.000m					
End Full Super	263.182m				-4.400%	-4.400%	4.400%	4.400%
Curve.3								
Transition In Region	303.694m	303.694m	0.000m					
Begin Full Super	303.694m				6.000%	6.000%	-6.000%	-6.000%
Transition Out Region	309.281m	350.615m	41.333...					
Runoff	309.281m	340.281m	31.000...					
End Full Super	309.281m				6.000%	6.000%	-6.000%	-6.000%
End Curve	319.614m							
Reverse Crown	329.948m				2.000%	2.000%	-2.000%	-2.000%
Level Crown	340.281m				0.000%	0.000%	-2.000%	-2.000%
Runout	340.281m	350.615m	10.333...					
Level Crown	340.281m				0.000%	0.000%	-2.000%	-2.000%
Begin Normal ...	350.615m				-2.000%	-2.000%	-2.000%	-2.000%
Begin Normal ...	350.615m				-2.000%	-2.000%	-2.000%	-2.000%
Curve.4								
Transition In Region	439.673m	481.006m	41.333...					
Runout	439.673m	450.006m	10.333...					
End Normal Sh...	439.673m				-2.000%	-2.000%	-2.000%	-2.000%
End Normal Cr...	439.673m				-2.000%	-2.000%	-2.000%	-2.000%
Level Crown	450.006m				0.000%	0.000%	-2.000%	-2.000%
Runoff	450.006m	481.006m	31.000...					
Level Crown	450.006m				0.000%	0.000%	-2.000%	-2.000%
Reverse Crown	460.340m				2.000%	2.000%	-2.000%	-2.000%
Begin Curve	470.674m							
Begin Full Super	481.006m				6.000%	6.000%	-6.000%	-6.000%



Create Superelevation View

Superelevation view name: Superelevation View - {<[Next Counter(CP)]>}

Alignment: cl

Description:

Superelevation view layer: C-SUPERELEVATIONVIEW

Superelevation view style: Design View

Station range

Data range:

Start: 0.000m End: 999.981m

User specified range:

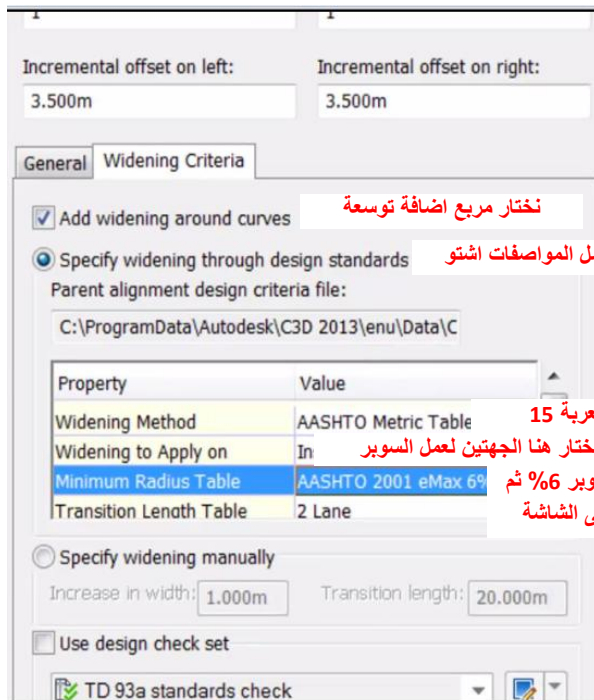
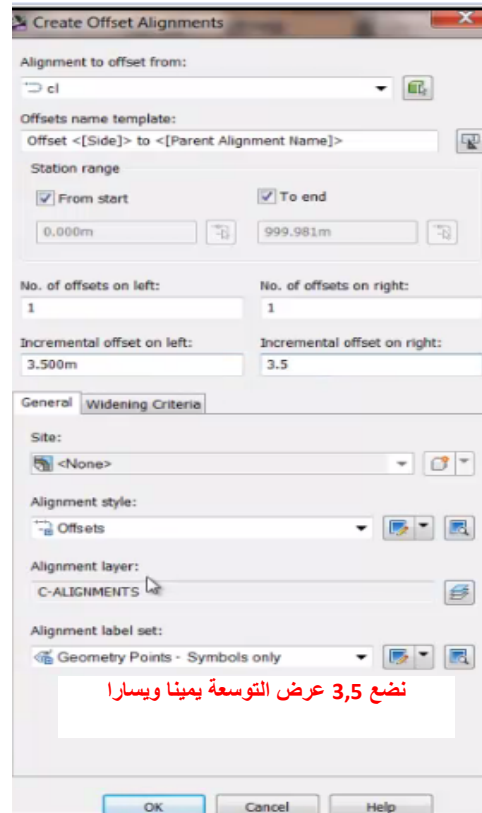
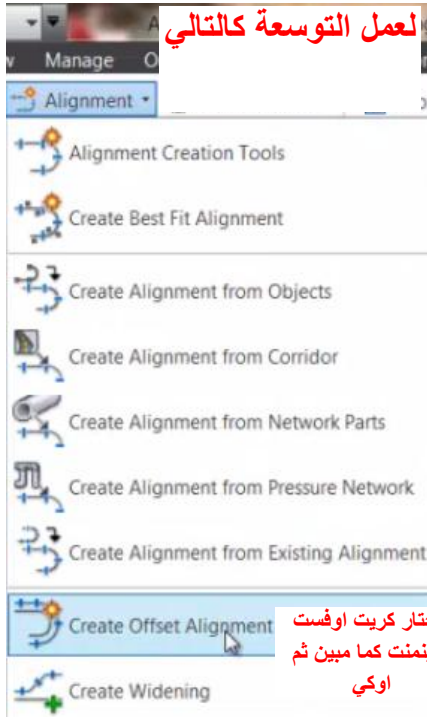
0.000m 999.981m

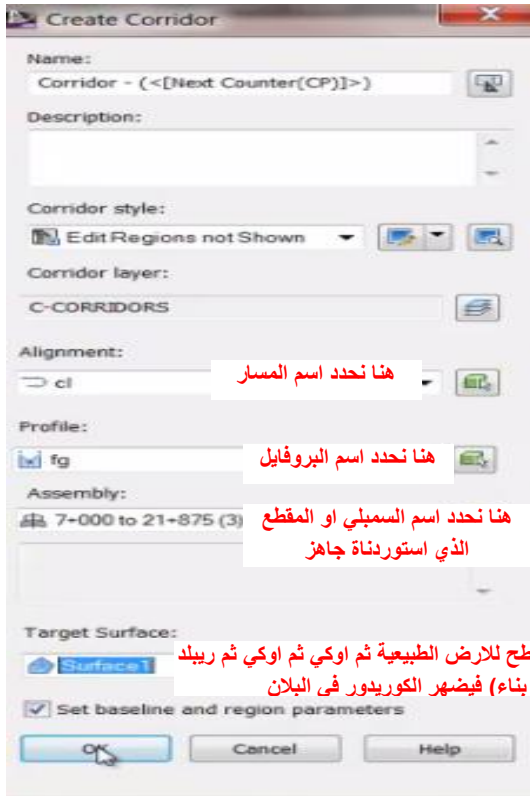
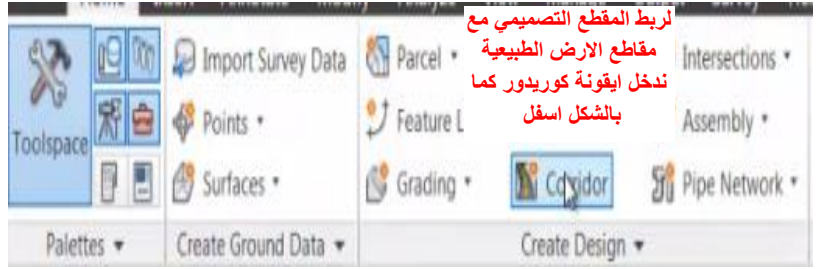
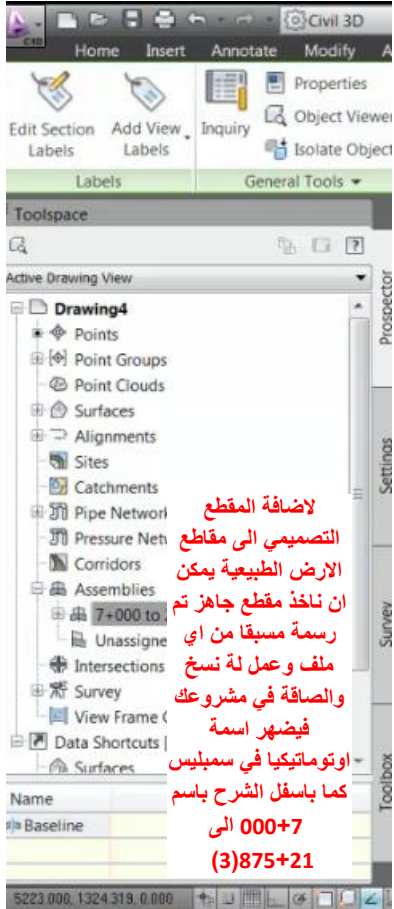
Specify superelevation display options:

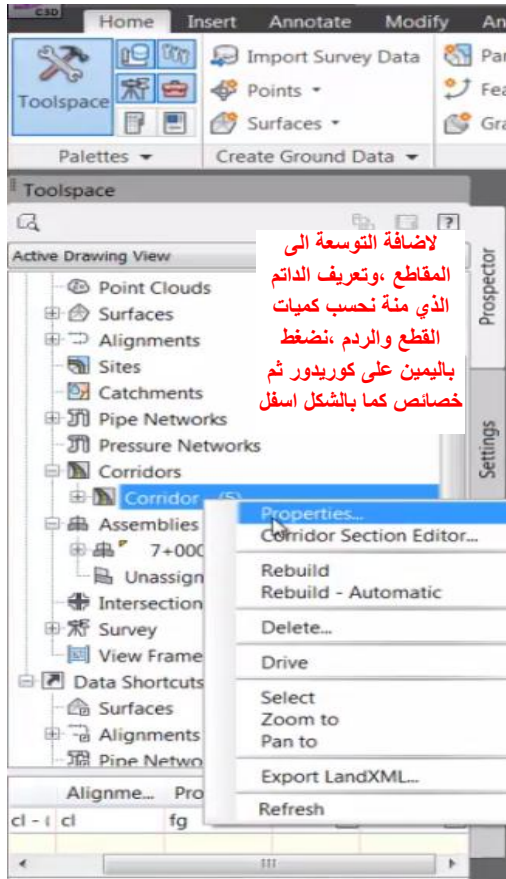
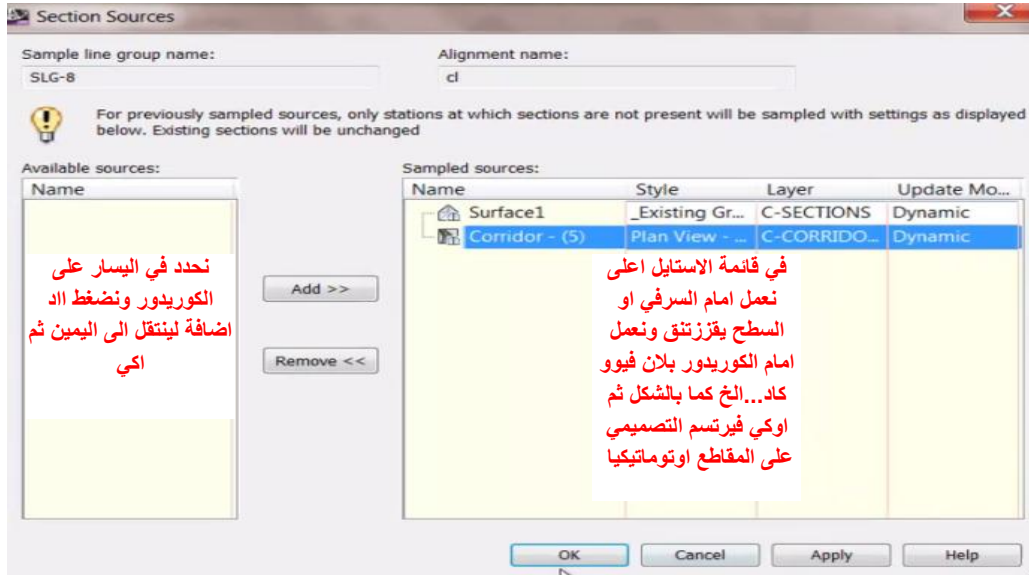
Lanes	Display	Color
Left Outside Lane	<input checked="" type="checkbox"/>	ByBlock
Right Outside Lane	<input checked="" type="checkbox"/>	ByBlock
Left Outside Shoulder	<input type="checkbox"/>	ByBlock
Right Outside Shoulder	<input type="checkbox"/>	ByBlock

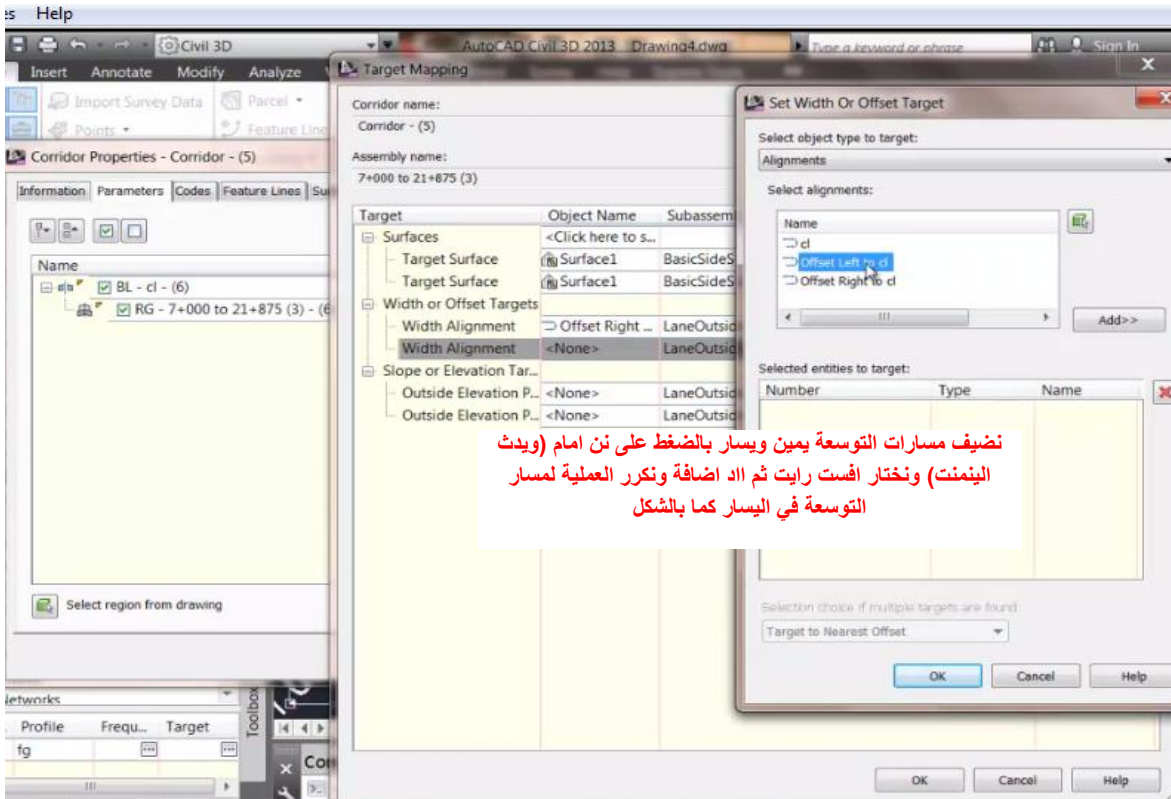
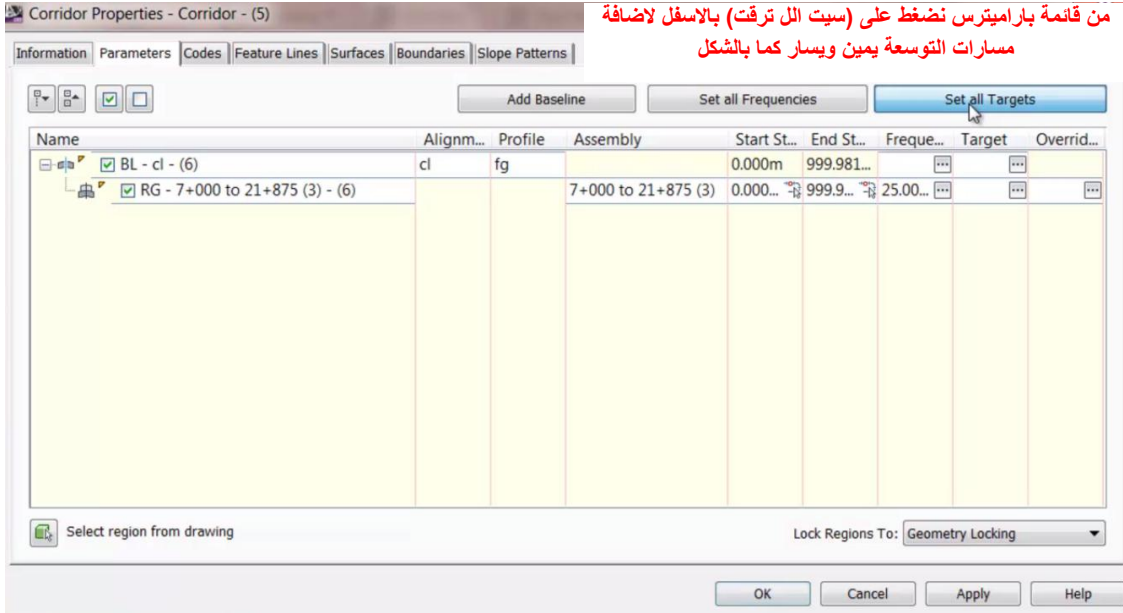
نزيل مربعات رسم سوبر الكتف الشولدر ثم اوكي ونختار نقطة في اي مكان على الشاشة لرسم السوبر ويمكن التعديل عليه بالضغط والسحب للنقاط عليا في الشاشة

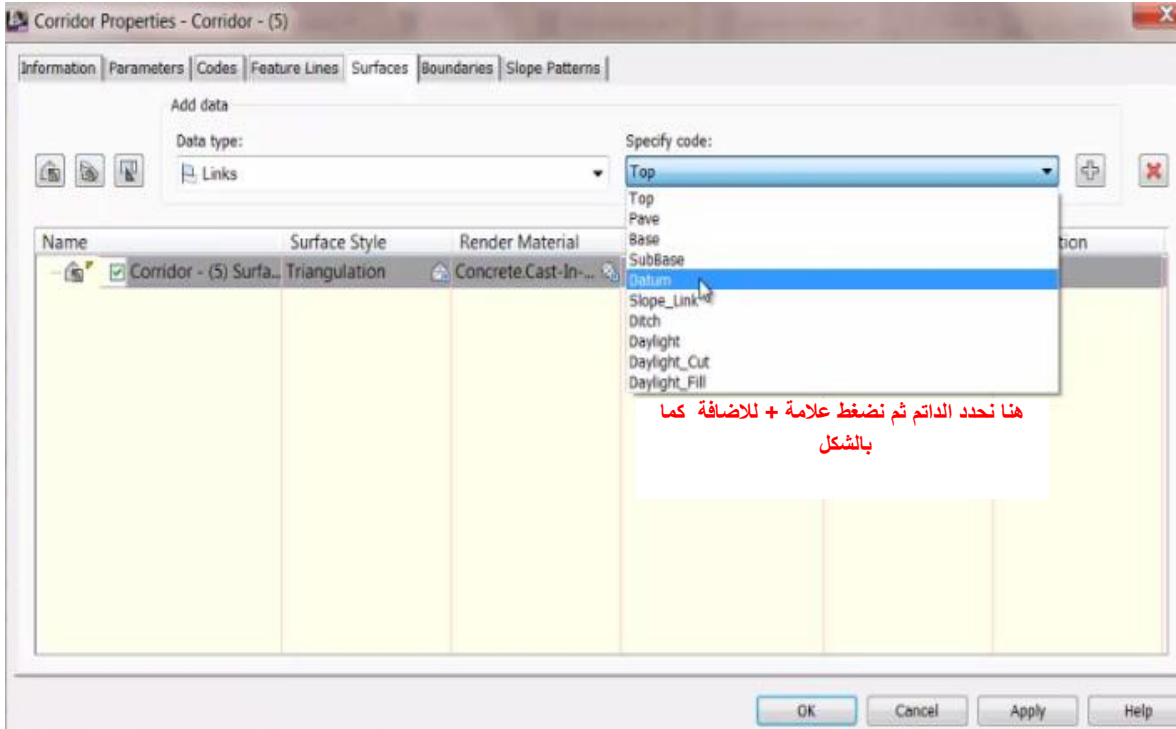
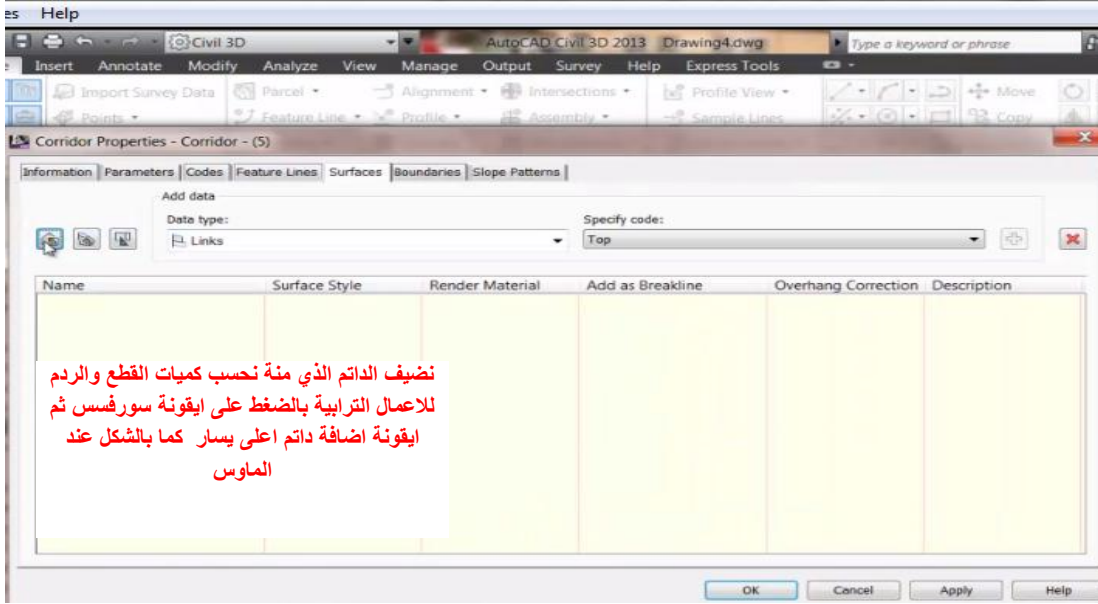
OK Cancel Help

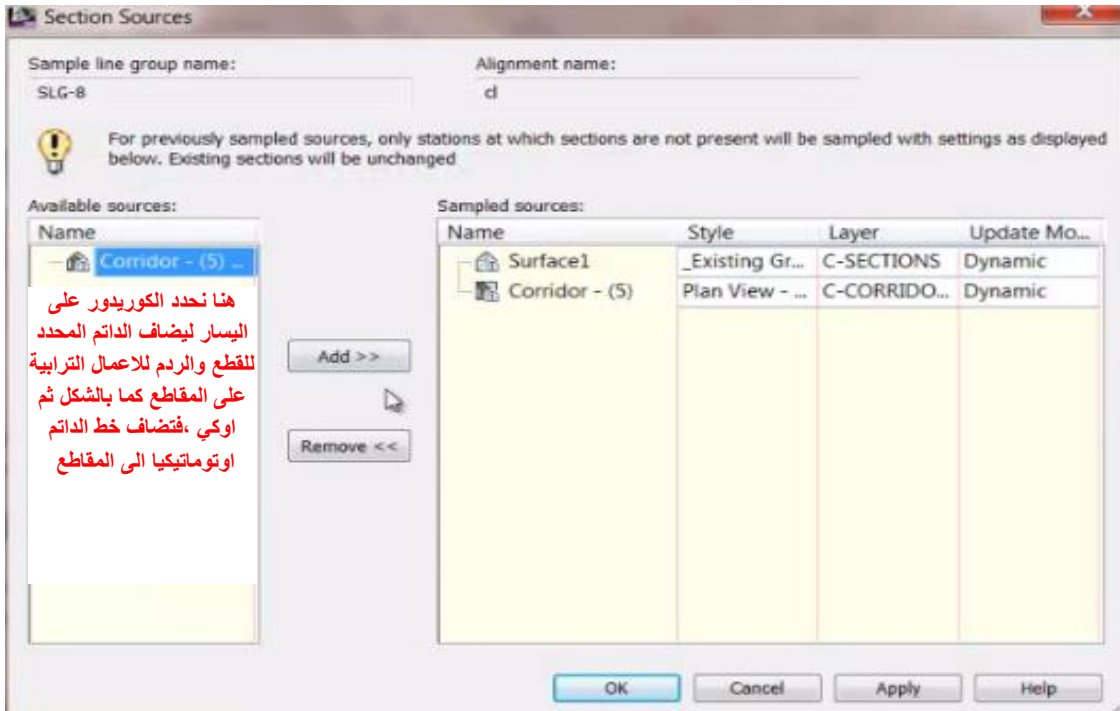
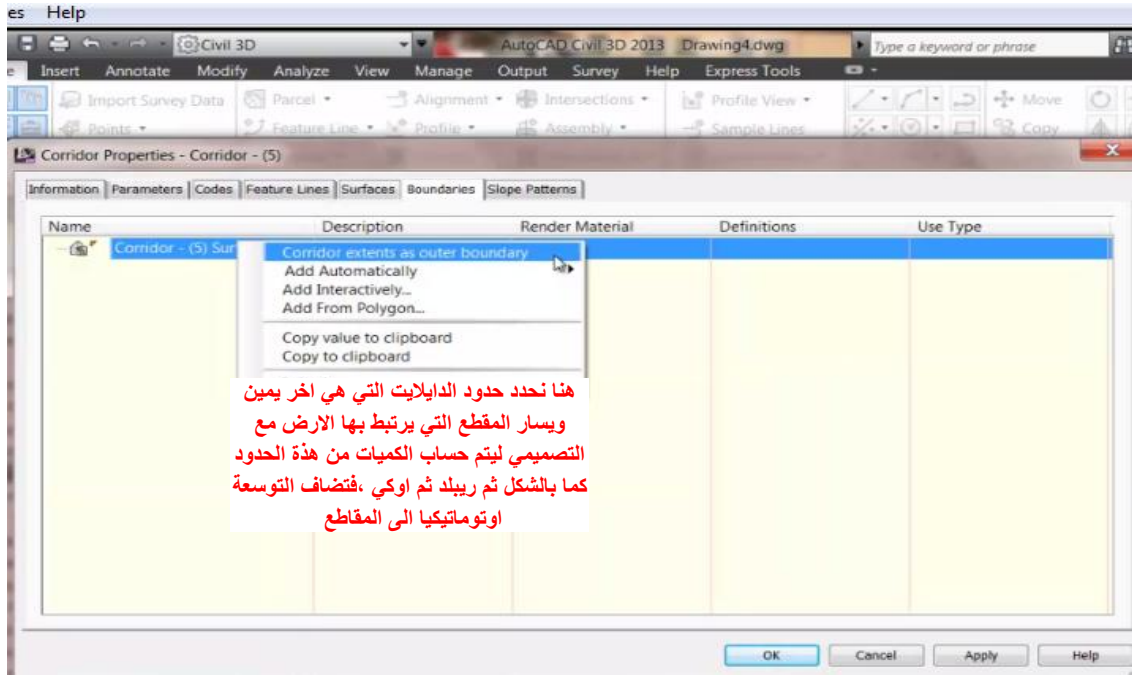


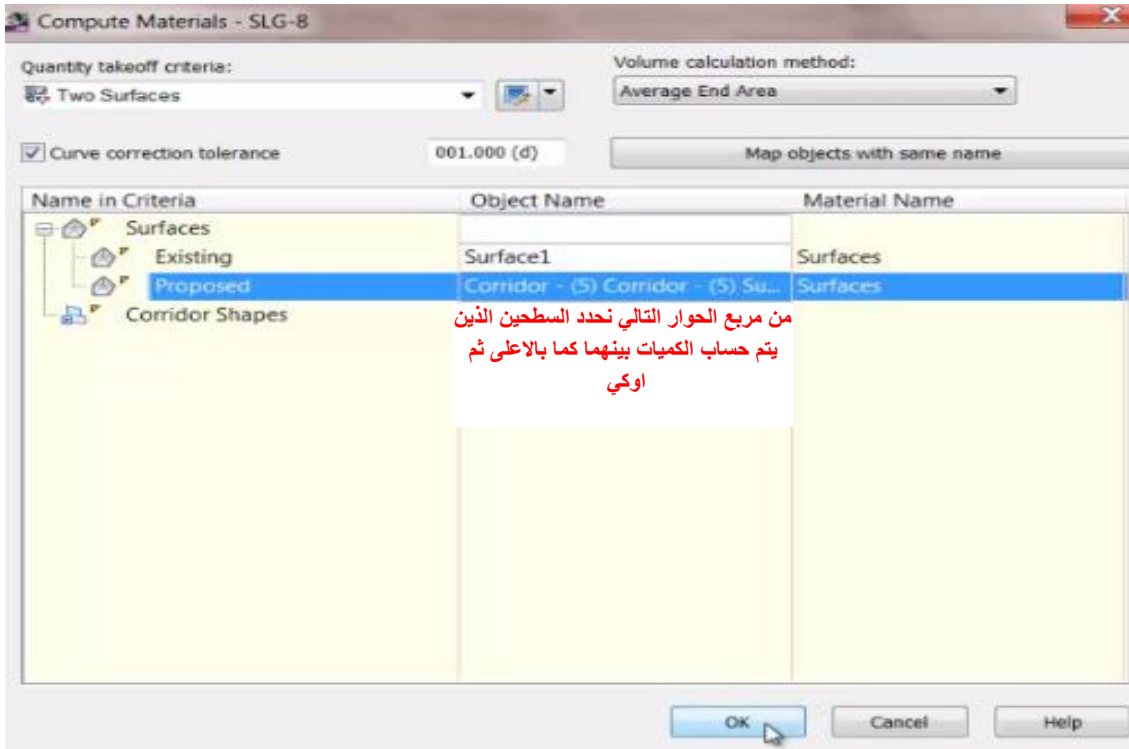
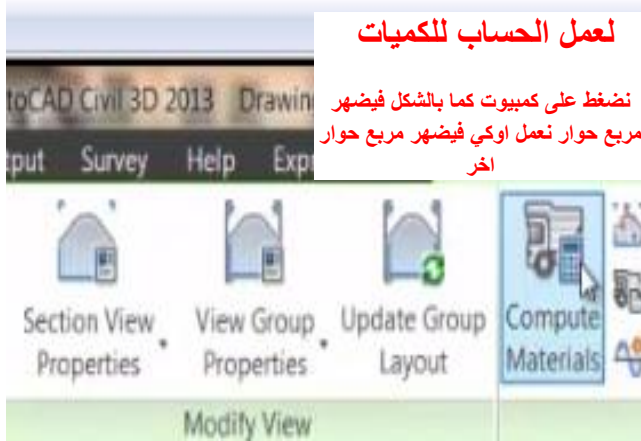


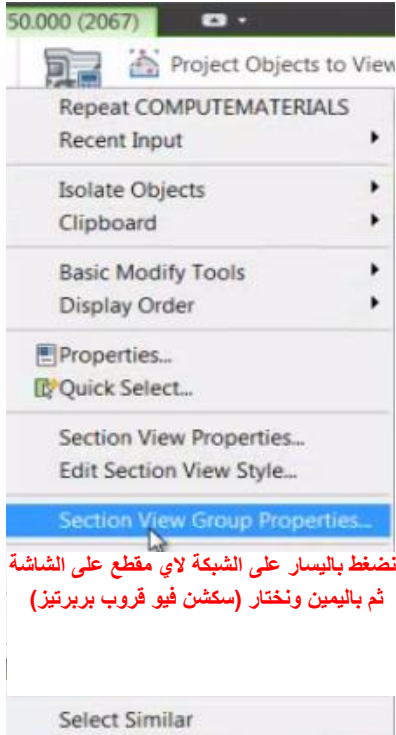




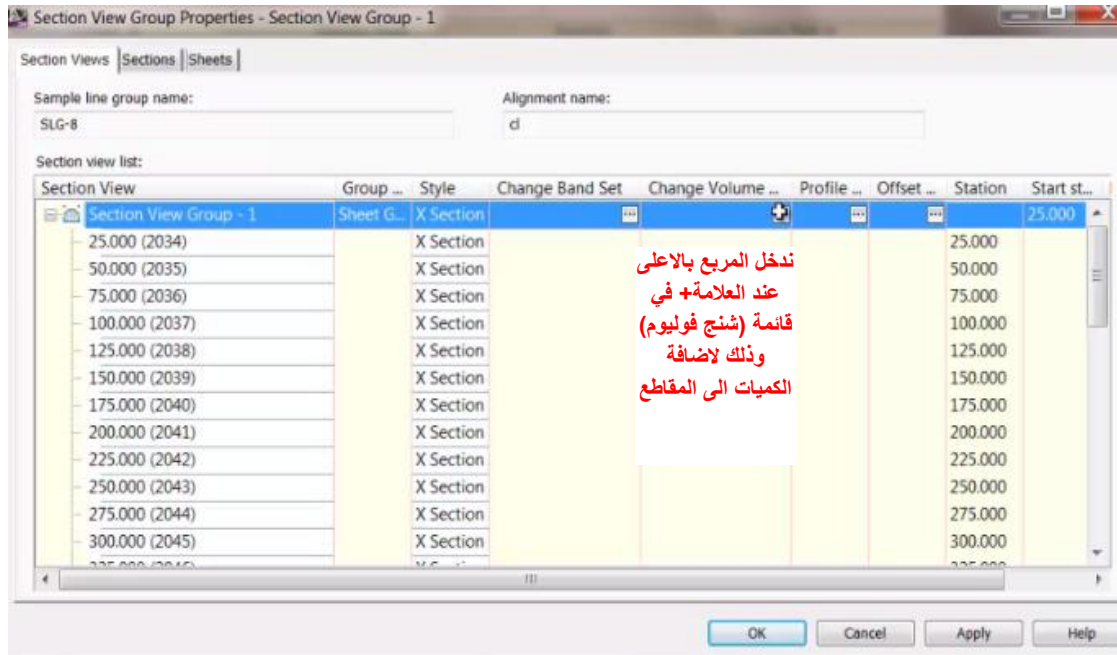


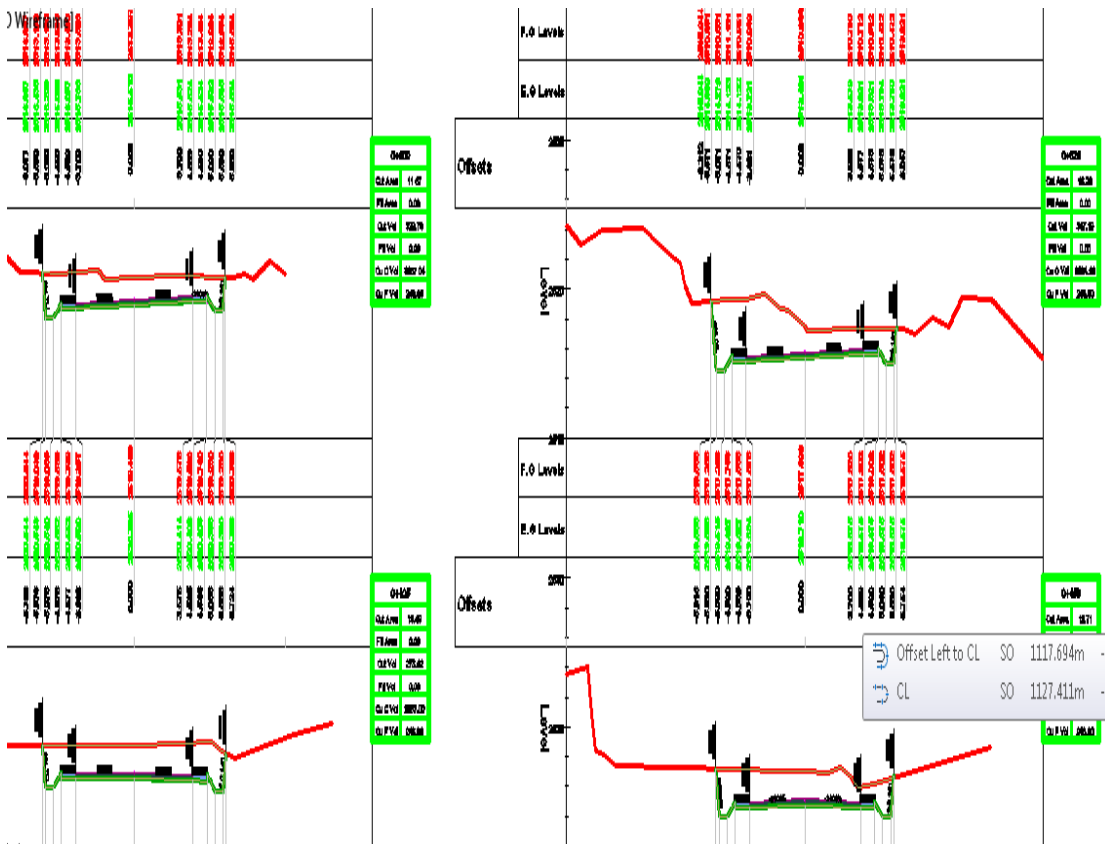
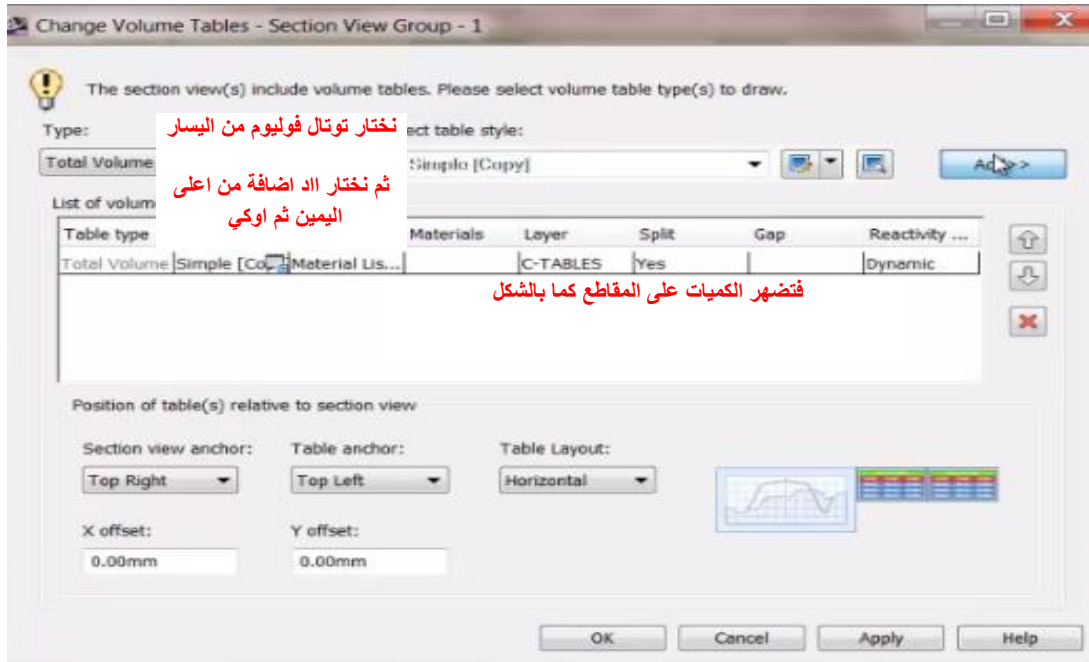


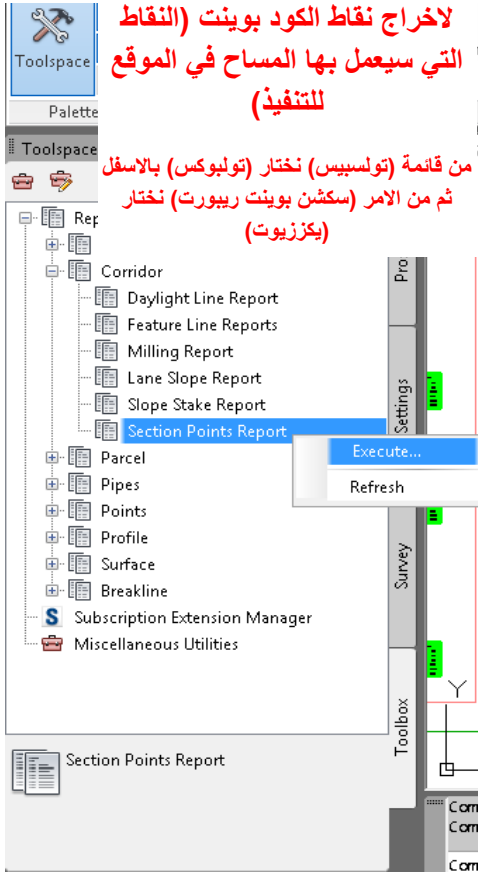




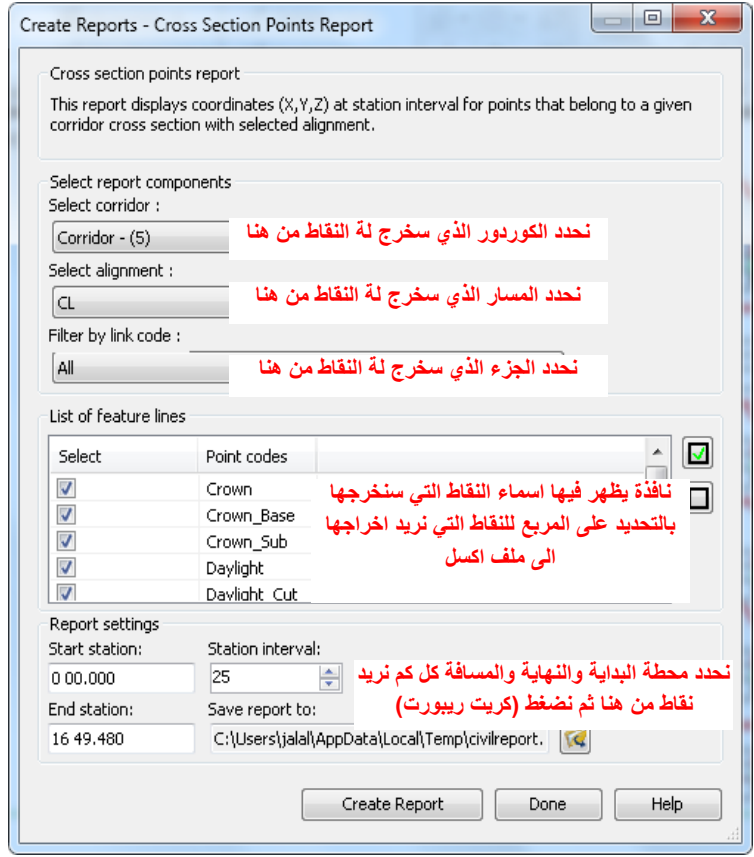
نضغط باليسار على الشبكة لاي مقطع على الشاشة
ثم باليمين ونختار (سكشن فيو قروب بربرتيز)







لاخراج نقاط الكود بوينت (النقاط التي سيعمل بها المساح في الموقع للتنفيذ)
 من قائمة (تولسيس) نختر (تولوكس) بالاسفل ثم من الامر (سكشن بوينت ريبورت) نختر (يكزريوت)



نحدد الكورودور الذي سخرج له النقاط من هنا

نحدد المسار الذي سخرج له النقاط من هنا

نحدد الجزء الذي سخرج له النقاط من هنا

نافذة يظهر فيها اسماء النقاط التي سنخرجها بالتحديد على المربع للنقاط التي نريد اخرجها الى ملف اكسل

نحدد محطة البداية والنهاية والمسافة كل كم نريد نقاط من هنا ثم نضغط (كريت ريبورت)

Corridor Section Points Report

Clients: Client, Client Company, Address 1, Date: 16/01/24 05:41:27

Prepared by: Preparer, Your Company Name, 123 Main Street

Corridor Name: POPO
 Description:
 Base Alignment Name: CL
 Station Range: Start: 0.000, End: 1649.480

CHAINAGE	POINT	X	Y	Z	OFFSET	STRING CUT
0.000	1	413,869.402	1,608,700.041	2,513.972		
	2	413,869.468	1,608,700.083	2,513.412		
	3	413,869.890	1,608,700.332	2,513.412		
	4	413,870.312	1,608,700.620	2,513.912		
	5	413,870.312	1,608,700.621	2,513.712		
	6	413,871.062	1,608,701.098	2,513.730		
	7	413,871.062	1,608,701.098	2,513.930	-3.500m	ETW
	8	413,874.014	1,608,702.979	2,514.000	0.000m	Crown
	9	413,874.014	1,608,702.979	2,513.800	0.000m	Crown_Sub
	10	413,876.966	1,608,704.860	2,513.730	3.500m	ETW_Sub
	11	413,876.966	1,608,704.860	2,513.930	3.500m	ETW
	12	413,877.716	1,608,705.337	2,513.712	4.389m	EPS_Sub
	13	413,877.716	1,608,705.338	2,513.912	4.390m	EPS
	14	413,878.138	1,608,705.606	2,513.412	4.890m	Ditch_In
	15	413,878.560	1,608,705.875	2,513.412	5.390m	Hinge_Cut
	16	413,878.720	1,608,705.977	2,514.772	5.380m	Daylight
25.000	1	413,855.649	1,608,720.921	2,517.378		
	2	413,856.036	1,608,721.168	2,514.103	-3.849m	Daylight
	3	413,856.457	1,608,721.436	2,514.103	-5.390m	Ditch_Out
	4	413,856.879	1,608,721.705	2,514.603	-4.890m	Ditch_In
	5	413,856.880	1,608,721.706	2,514.403	-4.390m	EPS
	6	413,857.630	1,608,722.183	2,514.421	-4.389m	EPS_Sub
	7	413,857.630	1,608,722.183	2,514.621	-3.500m	ETW_Sub
	8	413,860.382	1,608,724.064	2,514.691	0.000m	ETW
	9	413,860.382	1,608,724.064	2,514.491	0.000m	Crown
	10	413,863.533	1,608,725.944	2,514.421	3.500m	Crown_Sub

تظهر النقاط بشكل ملف انترنت يمكن نسخها الى ملف اكسل وتعديلها وتغيير تسميات النقاط اذا اردنا

وبهذا نكون اكملنا الشرح المختصر ونبدأ بالتفصيل لاحقا انشاء الله

نرجو منكم الدعاء اخوكم جلال العنسي

اي سوال اتصل على (777035239)

اليمين