BAB 1: REKABENTUK AWALAN_JALAN MASUK

Create Alignment

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

- Open fail C3D19_WIP_F0_02EW > Data shortcut > RC > set working folder > 01 Hospital Latihan_Rekabentuk Awalan Jalan Masuk
- Create data shortcut > Pilih data shortcut seperti berikut ;
 - i. 02EW_02_Rekabentuk Konsep
 - ii. 02EW_08_Rekabentuk Awalan*Tutup fail
- Folder latihan > 01 Hospital
 Latihan_Rekabentuk Awalan_Jalan
 Masuk > 01_WIP > Copy fail
 C3D19_WIP_F0_00TP > rename
 C3D19_WIP_F0_03RD
- 4. Open fail C3D19_WIP_F0_03RD > XREF
 > 01 Hospital Latihan_Rekabentuk
 Awalan_Jalan Masuk > 05_Incoming >
 jkrAR-01 (BMhpB1_19_001)_A1_
 wt01_(s) 190101 > check locate
 geographic data > ok
- 5. LA > enter > turn on layer 01_Align Mark Rajah 5a

- Bina alignment mengikut kriteria seperti berikut;
 - i. **Name :** 03RD_CL_01_Jalan Sedia Ada
 - ii. **Type:** Centerline
 - iii. Alignment label set : 01 No Label Set
 - iv. **Design Criteria tab :** Check use criteria-based design (Fail :Arahan Teknik JKR 8_86_REVISED)
 - v. Use design check set : uncheck
 - vi. Lukis alignment tangent tangent (no curve) dari center A ke B.
- Bina alignment 03RD_CL_02_Jalan Masuk dari titik C ke D menggunakan kriteria yang sama.

Rajah 7a



Rajah 5a



Rajah 7a

BAB 1: REKABENTUK AWALAN_JALAN MASUK

Create Profile

Fail latihan: C3D19_WIP_F0_03RD.dwg.

1.	Data S	Shortcut > Surface >	4.	Profil	e creation tools > klik tajuk profile >
	02EW	_02_Rekabentuk Konsep > RC >		Creat	te profile mengikut kriteria seperti
	Create	e reference > isi maklumat pada		berik	ut;
	jadual	seperti berikut;		i.	Alignment: 03RD_CL_01_Jalan
	i.	Name: 02EW_02_Rekabentuk			Sedia Ada
		Konsep		ii.	Name: Rekabentuk
	ii.	Style: 01 No Display		iii.	Profile style: 02 Design Profile
2.	Profile	tools > Create surface profile		iv.	Profile Label Set: 01 No Label
	sepert	i berikut:		٧.	Design Criteria tab: Check use
	i.	Alignment: 03RD_CL_01_jalan			criteria-based design (Fail: Arahan
		Sedia Ada			Teknik JKR 8_86_REVISED)
	ii.	Select surface:		vi.	Use design check set: uncheck
		02EW_02_Rekabentuk Konsep >	5.	Draw	r tangent – tangent (no curve)
		Add		Rajał	n 5a
	iii.	Draw in profile view	6.	Ulang	g langkah 2 dan 3 untuk
3.	Create	Profile View seperti rajah berikut;		03RE	D_CL_02_Jalan Masuk
	Rajah	3a General		Rajał	n 6a
	Rajah	3b Station Range	7.	Klik F	Profile view jalan masuk > launch pad
	Rajah	3c Profile View Height		pane	I > expand > add crossings to profile
	Rajah	3d Profile Display Option		view	> select object (command bar) > klik
	Rajah	3e Data Band		garis	an rekabentuk pada profile jalan
	Rajah	3f Profile Hatch Options		sedia	a ada > enter.
	Rajah	3g Create profile view	8.	lsi ma	aklumat pada jadual Add Crossing to
				Profil	e View seperti berikut;
				Rajał	n 8a

Profile	creation tools > klik tajuk profile	10. Draw tangents rujuk rajah 10a + Adjust
Jalan Masuk > Create profile mengikut		platform (Profile grid view)
kriteria seperti berikut;		i. Grade out = 3.2
i. Alignment: 03RD_CL_02_Jalan		11. Insert PVI > klik pada intersection point
	Masuk	Rajah 11a
ii.	Name: Rekabentuk	
iii.	Profile style: 02 Design Profile	
iv. Profile Label Set: 01 No Label		
٧.	Design Criteria tab: Check use	
	criteria-based design (Fail: Arahan	
	Teknik JKR 8_86_REVISED)	
vi.	Use design check set: uncheck >	
	Ok	
	Profile Jalan I kriteria i. ii. iv. v. v.	 Profile creation tools > klik tajuk profile Jalan Masuk > Create profile mengikut kriteria seperti berikut; i. Alignment: 03RD_CL_02_Jalan Masuk ii. Name: Rekabentuk iii. Profile style: 02 Design Profile iv. Profile Label Set: 01 No Label v. Design Criteria tab: Check use criteria-based design (Fail: Arahan Teknik JKR 8_86_REVISED) vi. Use design check set: uncheck > Ok

ieneral	Select alignment:	
tation Pages	🖘 03RD_CL_01_Jalan Sedia Ada 🛛 🗸 📆	
MANALINALISES	Profile view name:	
rofile View Height	<[Parent Alignment(CP)]>	
rofile Display Options	Description:	
pe.Pressure Network		
ata Bande	Profile view style:	
NEA DOTES	🙀 01 Internal Road Profile View 🗸 🛒 💌 🔣	
rofile Hatch Options	Profile view layer:	
	C-ROAD-PROF-VIEW	
	Show offset profiles by vertically stacking profile views	

Rajah 3a

Automatic	0+000.00m	End: 0+422.24m	
O User specified range	0+000.00m	0+422.24m	
	O User specified range	O User specified range 0+000.00m	O User specified range 0+000.00m 0+422.24m

Rajah 3b

		Min	mum:			1.1	Maximum:	
ation Range	(Automatic	0.	70m				2.04m	
offie View Height	OUser specified	-1	00m				4.00m	
ofile Display Options								
pe/Pressure.Network	Split profile view					- 540	r staliour	
ata Bande	01 Internal Road Pr	ofile View	4		123	Ex	act station	
Long Dation	Intermediate split view s	zylei				Dat	um option:	
offe Hatch Options	01 Internal Road Pr	ofile View	19	- 1	10	Ex	act elevation	
	Last split view style:							
	01 Internal Road Pr	ofile View	18	17-	3			
			1			¥		

Rajah 3c

eneral	Specify profile display	options:						
tation Range	Name	Draw	Clip Grid	Split At	Description	Type	Data Sou	c
ofile New Height	02EW_02_Reliabent	uk Konsep 🔽	0	0			02EW_02	þ
ofie Display Options								
pe.Pressure Network								
ata Bands								
offie Hatch Options								
	د							

Rajah 3d

the second s	Select band set:					
ation Range	01 Internal road	Band Set		× 100 *		
offie View Height	Some of the of lines groups of	data bands nee or materials). Pl	d to be associated ease select them b	with appropriate e elow.	lata sources (such a	as profiles, sample
fle Display Options	List of bands					
e,Pressure Network	Location:			090		
ta Bands	Bottom of profile	view	~	1	1	
					100000	
file Hatch Options	Set band property	551				
	Band Type	Style	Profile 1	Profile2	Alignment	Geometry Points
	Profile Data	01 Station 0	Charge 02EW_02_R	ek 02EW_02_R	k 03RD_CL_01_	
	Profile Data Profile Data	02 Ground I 03 Finish Ro	with 02EW_02_R	ek 02EW_02_R/ ek 02EW_02_R/	<pre>k 03RD_CL_01 k 03RD_CL_01</pre>	

Rajah 3e

A Create Profile View - Profile H	latch Options			×
General Station Range Profile View Height Profile Display Options Pipe,Pressure Network Data Bands Profile Hatch Options	Autor Options Cut Area: Fill Area: Multiple boundaries: From oriteria: Import	Hatch Area	Profile	Shape Style
	< Bac	k Next > Create F	Profile View Can	cel Help

Rajah 3f



Rajah 3g





Rajah 6a



Rajah 7a

Name	Crossing Marker Style	Crossing Label	Elevation Optio	Elevation V
🖃 🗹 Alignments	Image: Contract of the second sec	🖳 <set all=""></set>	🖳 < set all>	🛃 <set all=""></set>
🖻 🗹 03RD_CL_01_Jal	Basic	Standard	Manual	1.50m
- 🔽 Rekabentuk	Basic Circle with Cross	<none></none>	Use Object	1.79m
- 🔽 02EW_02_Re.	Basic	Standard	Use Object	1.56m
(])			Pick object	ts

Rajah 8a



Rajah 10a



Rajah 11a 9

BAB 1: REKABENTUK AWALAN_JALAN MASUK

Offset Alignment

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

			1	
1.	Align	ment tools > create offset alignment	5.	Create offset alignment untuk jalan
	> 03F	RD CL 01 Jalan Sedia Ada > enter >		masuk seperti jadual berikut.
	lsi ma	aklumat jadual seperti berikut:		Rajah 5a
	i.	Offset Name template: 03RD		Rajah 5b
		OFF 01 Jalan Sedia		Rajah 5c
		Ada_<[Side]>	6.	Alignment > create connected alignment
	ii.	General tab		<pre>> first alignment > 03RD _OFF_02_Jalan</pre>
		-Alignment style: 02 Kerb		Sedia Ada_Right > second alignment >
		Alignment		03RD _OFF_ 02 _Jalan Masuk Kanan >
	iii.	Create offset Profile tab		location > luar alignment
		-Parent profile : Rekabentuk	7.	Isi maklumat table create alignment
		-Cross Slope : -2.5		connected seperti berikut:
2.	Tools	pace > prospector > alignment >		Rajah 7a
	offset	alignment > 03RD _OFF_01_Jalan		Rajah 7b
	Sedia	Ada_Right > RC > Properties > tukar		Rajah 7c
	nama	03RD _OFF_ 02 _Jalan Sedia	8.	Ulang langkah 6 dan 7 untuk 03RD
	Ada_	Right		_OFF_ 02 _Jalan Masuk Kiri
3.	Adjus	t alignment		
4.	Creat	e Offset alignment 03RD		
	_OFF	_ 02_ Jalan Sedia Ada_Right		
	Rajah	n 4a		
	Rajah	n 4b		



Rajah 4a



Rajah 4b

A Name Template	×
Name formatting template	
Property fields:	
Next Counter 🗸 🗸	Insert
Name:	
03RD_OFF_<[Next Counter]>_Jalan Masuk_<[Side]>	
to a second description of the second descri	
Incremental number format	
Number style:	
01, 02, 03	~
Starting number: Increment value:	
3 1	
OK Cancel	Help

Rajah 5a

A Create Offset Alignments X				
Alignment to offset from:				
CL_02_Jalan Masuk	~ 🛱			
Offsets name template:	20005			
03RD_OFF_	_Jalan Masuk_<[Side]>			
Station range				
From start	To end			
0+000.00m	0+040.19m			
No. of offsets on left:	No. of offsets on right:			
1	1			
Incremental offset on left:	Incremental offset on right:			
3.000m	3.000m			
General Widening Criteria Crea	te Offset Profile			
Create profile for offset align	nent			
Parent profile:				
Rekabentuk (1)	~ 🛋			
Superimpose onto profile view:				
<none></none>				
Cross slope from parent profile:	_			
2.50%				
Profile name:				
<[Alignment Name(CP)]> - <[Of	ffset Value(P3 RN Sn OF AP			
Profile style:				
Me 01 Existing Ground Profile	~ 🗖 🛛			

Rajah 5b



Rajah 5c



Rajah 6a

A Name Template	
Name formatting template	
Property fields:	
Next Counter V	Insert
Name:	
03RD_CON_s[Next Counter]>_Simpang Masuk_Right	
03RD_CON_S[Next Counter]>_Simpang Masuk_Right Incremental number format Number style:	
03RD_CON_S[Next Counter]>_Simpana Masuk_Right Incremental number format Number style: 01, 02, 03	~
03RD_CON_S[Next Counter]>_Simpang Masuk_Right Incremental number format Number style: 01, 02, 03 Starting number: Increment value:	Ý

Rajah 7a

A Create Connected Alignment	×
Connected alignment name:	
03RD_CON_s[Next Counter]>_Simpang Masuk_Right	R
Description:	
	^
	\vee
Connection 1:	
🙄 03RD _OFF_02_Jalan Sedia Ada_Right 🛛 🗸	E.
Connection 2:	
03RD_OFF_04_Jalan Masuk,_Right 🛛 🗸	R
Curve radius: Connection overlap:	
6.000m 10m	
General Design Criteria Connected Profile	
Site:	
😽 <none> 🕑 🖸</none>	-
Alignment style:	
🔁 02 Kerb Alignment 🗸 🗸 🗸	
Alignment layer:	
C-ROAD	Ø
Alignment label set:	
🔏 01 No Labels Set 🗸 🗸 🗸	

Rajah 7b

BAB 1: REKABENTUK AWALAN_JALAN MASUK

Create Corridor

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

1.	Tool pallete > rc > new palette > rename > Latihan > RC > Import sub assemblies > 01 Hospital Latihan_Rekabentuk Awalan_Jalan Masuk > 06_Resourses >04 Family > C3D18_rd-sa_Semi Mountable Kerbs
	Type SM 1 > open > ok
2.	Create assembly
	i. Name: 03RD_01_Simpang
	Masuk_Turapan Penuh
	ii. Assembly style: Basic
	iii. Code Set Style: 02 JKR All
	Codes > ok
3.	Tool pallete > lanes >
	LaneSuperelevationAOR > Ubah
	parameter seperti berikut;
	i. Side: Left
	ii. Default slope: -2.50%
	iii. Pave1 Depth: 0.040m
	iv. Pave2 Depth: 0.060m
	v. Base Depth: 0.200m
	vi. Sub-base Depth: 0.150m
4.	Tool pallete > Semi Mountable Kerbs
	Type SM 1 > Klik pada hujung jalan.
	Rajah 4a
5.	Copy kedua-dua komponen > mirror >
	klik assembly 03RD_01_Simpang

- 6. Create assembly
 - i. Name: 03RD_02_Simpang Masuk_Turapan Sisi Kiri
 - ii. Assembly style: Basic
 - iii. Code Set Style: 02 JKR All Codes > ok
- 7. Copy bahagian kiri subassembly
 03RD_01_Simpang Masuk_Turapan
 Penuh > Letakkan pada assembly
 03RD_02_Simpang Masuk_Turapan
 Sisi Kiri.

Rajah 7a

- 8. Create assembly
 - i. Name: 03RD_03_Simpang Masuk_Kerb Kanan
 - ii. Assembly style: Basic
 - iii. Code Set Style: 02 JKR All Codes > ok
- Tool pallete > Semi Mountable Kerbs > letakkan pada bahagian kiri assembly
- 10. Tool pallete > LaneSuperelevationAOR
 - > tukar parameter jalan seperti berikut;
 - i. Side: Right
 - ii. **Default slope:** 2.50%
 - iii. Pave1 Depth: 0.040m
 - iv. Pave2 Depth: 0.060m
 - v. Base Depth: 0.200m
 - vi. Sub-base Depth: 0.150m

- 11. Create assembly
 - i. Name: 03RD_04_Simpang Masuk_Kerb Kiri
 - ii. Assembly style: Basic
 - iii. Code Set Style: 02 JKR All Codes > ok
- 12. Klik 03RD_03_Simpang Masuk_Kerb Kanan > mirror > Letakkan pada assembly 03RD_04_Simpang Masuk_Kerb Kiri



Rajah 4a





Rajah 10

Rajah 12

BAB 1: REKABENTUK AWALAN_JALAN MASUK

Create Corridor

Esc.

Rajah 6a

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

1.	Corridor >	> Create corridor > isi jadual	
	Create co	orridor seperti di bawah;	
	i.	Name: 03RD_01_Simpang	
		Masuk	
	ii.	Corridor Style: 01 JKR	
		General Corridor	
	iii.	Alignment:	
		03RD_CL_01_Jalan Sedia	
		Ada	
	iv.	Profile: Rekabentuk	
	۷.	Assembly:	
		03 RD _01_Simpang	
		Masuk_Turapan Penuh	
	vi.	Set baseline and region	
		parameters: Check > ok	
2.	Set freque	ency	
	i. Al	ong Tangents: 10.000m	
	ii. Cu	urve increment: 10.000m	
	iii. Al	ong spirals: 10.000m	
	iv. Al	ong vertical curves:	
	10).000m	
3.	Target ma	apping	
	Rajah 3a		
4.	Rebuild c	orridor	
5.	Klik Corri	dor > split region > Klik pada	
	corridor >	esc > Jarakkan corridor	
6.	Klik kedu	ıa – dua lengkung dan	
	samakan	alignment jalan sedia ada >	

- Prospector tab > Corridors > 03RD_01_Simpang Masuk > RC > properties.
- Parameter tab > RG 03RD_01_
 Simpang Masuk_Turapan Penuh (2) > RC > insert region after > assembly > 03RD_02_Simpang Masuk_Turapan Sisi Kiri > ok
- Klik RG 03RD_02_Simpang Masuk_Turapan Sisi Kiri - (1) > Set frequency
 - i. Along Tangents: 10.000m
 - ii. Curve increment: 10.000m
 - iii. Along spirals: 10.000m
 - iv. Along vertical curves: 10.000m
- 10. Target mapping

Rajah 10a

- 11. Rebuild corridor > object viewer
- 12. Prospector tab > Corridors >03RD_01_Simpang Masuk > RC >properties
- 13. Add baseline seperti berikut;
 - i. Baseline type: Alignment and profile
 - ii. Alignment: 03RD_CL_02_Jalan Masuk > ok
- 14. BL- 03RD_CL_02_Jalan Masuk (4) > Vertical baseline > select a profile > Rekabentuk (1) > ok.

- 15. BL 03RD_CL_02_Jalan Masuk (6) > RC > Add region > Assembly > 03RD_01_Simpang Masuk_Turapan Penuh > ok
- 16. Set frequency
 - i. Along Tangents: 10.000m
 - ii. Curve increment: 10.000m
 - iii. Along spirals: 10.000m
 - iv. Along vertical curves: 10.000m
- 17. Target mapping Rajah 17a
- Adjust alignment Jalan masuk
 Rajah 18a
- 19. Prospector tab > Corridors >03RD_01_Simpang Masuk > RC >properties
- 20. Add baseline seperti berikut;
 - i. Baseline type: Alignment and profile
 - ii. Alignment: Klik lengkung jalan masuk kiri
- 21. BL- 03RD_CON_01_Simpang Masuk _Kiri - (5) > Vertical baseline >select a profile > 03RD_CON_01_Simpang Masuk _Kiri > ok
- 22. BL- 03RD_CON_01_Simpang Masuk _Kiri - (5) > Rc > Add region > Assembly > 03RD_04_Simpang Masuk_Kerb Kiri > ok

- 23. Set frequency
 - i. Along Tangents: 1.000m
 - ii. Curve increment: 1.000m
 - iii. Along spirals: 1.000m
 - iv. Along vertical curves: 1.000m
- 24. End station > klik point C
- 25. Target mapping

Rajah 25a

- 26. RG 03RD_04_Simpang Masuk_Kerb Kiri – (3) > RC > Insert region after > assembly > 03RD_04_Simpang Masuk Kerb Kiri > ok
- 27. Set frequency
 - i. Along Tangents: 1.000m
 - ii. Curve increment: 1.000m
 - iii. Along spirals: 1.000m
 - iv. Along vertical curves: 1.000m
- 28. Target mapping

Rajah 28a Rajah 28b

29. Ok > Rebuild corridor. Ulang langkah yang sama (16 hingga 25) untuk Jalan Masuk sebelah kanan. Rajah 29a

A Target Mapping				>
Corridor name: 03RD_01_Simpang Masuk				
Assembly name:		Start Station:	End Station:	
03RD_01_Simpang Masuk_Turapan P	enuh	0+000.00	0+422.24	
Target	Object Name		Subassembly	Assembly Gr
···· Surfaces	<click all="" here="" set="" to=""></click>			
. Width or Offset Targets				
Width Target	🖘 03RD _OFF_01_Jalan Sedia Ac	la_Left	LaneSuperele	Left
Width Target	🙄 03RD _OFF_02_Jalan Sedia Ac	😂 03RD _OFF_02_Jalan Sedia Ada_Right		Right
Slope or Elevation Targets				
- Outside Elevation Target	🖌 03RD _OFF_01_Jalan Sedia Ac	da_Left-03RD _OFF_01_Jalan Se	LaneSuperele	Left
 Outside Elevation Target 	M 03RD _OFF_02_Jalan Sedia Ac	da_Right-03RD _OFF_01_Jalan S	LaneSuperele	Right





Rajah 5a



A Target Mapping				\times
Corridor name:				
03RD_01_Simpang Masuk				
Assembly name:		Start Station:	End Station:	
03RD_02_Simpang Masuk_Turapan Si	si Kiri	0+218.45	0+265.37	
Target	Object Name		Subassembly	Assembly Gr
···· Surfaces	<click all="" here="" set="" to=""></click>			
⊖- Width or Offset Targets				
Width Target	😳 03RD _OFF_01_Jalan Sedia Ac	da_Left	LaneSuperele	Left
Slope or Elevation Targets				
Outside Elevation Target	M 03RD _OFF_01_Jalan Sedia Ac	da_Left-03RD _OFF_01_Jalan Se	LaneSuperele	Left

Rajah 10a

A Target Mapping				×
Corridor name:				
03RD_01_Simpang Masuk				
Assembly name:		Start Station:	End Station:	
03RD_01_Simpang Masuk_Turapan Pe	enuh	0+000.00	0+040.19	
Target	Object Name		Subassembly	Assembly Gr
- Surfaces	<click all="" here="" set="" to=""></click>			
Width or Offset Targets				
Width Target	😂 03RD _OFF_03_Jalan Sedia Ada_Left		LaneSuperele	Left
Width Target	") 03RD _OFF_04_Jalan Sedia Ada_Right		LaneSuperele	Right
Slope or Elevation Targets				
 Outside Elevation Target 	M 03RD _OFF_03_Jalan Sedia Ad	LaneSuperele	Left	
Outside Elevation Target	🖬 03RD _OFF_04_Jalan Sedia Ad	LaneSuperele	Right	





Rajah 18a

_						
1	A Target Mapping		0			×`
(Corridor name:		1			
l	03RD_01_Simpang Masuk]			
1	Assembly name:		Start Station:	End Station:		
	03RD_04_Simpang Masuk_Kerb Kiri		0+000.00	0+015.25		
[Target	Object Name		Subassembly	Assembly Gr	
	Surfaces	<click all="" here="" set="" to=""></click>				
	- Width or Offset Targets					
	Width Target	🙄 03RD_CL_01_Jalan Sedia Ada	1	LaneSuperele	Left	
	- Slope or Elevation Targets					
	Outside Elevation Target	M 03RD_CL_01_Jalan Sedia Ada	-Rekabentuk	LaneSuperele	Left	
						-

Rajah 25a

🔺 Target Mapping				×
Corridor name: 03RD_01_Simpang Masuk		Start Stations	Fod Station	
Assembly name: 03RD_04_Simpang Masuk_Kerb Kiri		0+015.25	0+023.86	
Target	Object Name		Subassembly	Assembly Gr
Surfaces ⊒ Width or Offset Targets	<click all="" here="" set="" to=""></click>			
Width Target	🗂 03RD_CL_02_Jalan Masuk		LaneSuperele	Left
 Slope or Elevation Targets Outside Elevation Target 	¥ 03RD_CL_02_Jalan Masuk-Re	kabentuk (1)	LaneSuperele	Left

Rajah 28a



Rajah 28b

Rajah 29a

BAB 2: REKABENTUK AWALAN_JALAN DALAMAN

Create Feature Line

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

1. Open fail C3D19_WIP_F0_03RD > Data 6. Isi maklumat feature line seperti berikut; shortcut > RC > set working folder > 02 Rajah 6a Hospital Latihan_Rekabentuk Rajah 6b Awalan_Jalan Dalaman Rajah 6c 7. Jalan Dalaman > RC > rebuild Automatic 2. Data shortcut > surface > 02EW_08_Rekabentuk Awalan > RC > 8. Create surface seperti berikut: create reference > style > 01 No Display i. Name: 03RD 02 Pave > ok. ii. Style: 03 Triangles 3. Create surface seperti berikut: iii. Render Material: 02 Border Only > i. Name: 03RD_01_Jalan Dalaman ok 9. 03RD 02 Pave > definition > breaklines > ii. Style: 02 Border Only iii. Render Material: 02 Border Only RC > add > mid- ordinate distance > 0.001 > ok > pilih semua feature line > enter > > ok 4. Buat polyline untuk Jalan Dalaman (turn object viewer. on layer 01 Draf Jalan Dalaman) > isolate Rajah 9a 10. Display order > send to back > delete object. Rajah 4a feature line 5. Create feature line from objects > Pilih Rajah 10a 11. End isolated object > Object viewer semua jalan dalaman > enter Rajah 11a



Rajah 4a



A Create Feature Lines	
Site:	
Site 1 🗸	
✓ Name	
03RD_Site1_Jalan Dalaman_<[Next Counter]>	
Style	
🔑 Basic Feature Line 🗸 📝 🗖	
Layer	A Assign Elevations
● C-TOPO-FEAT	Options
O Use current layer	O Elevation: 0.000m
O Use selected entity layer	O From gradings
Conversion options	From surface
Erase existing entities	💮 03RD_01_Jalan Dalaman 🗸 🛋
Assign elevations	Insert intermediate grade break points
Weed points	Relative elevation to surface: 0.000m
OK Cancel Help	OK Cancel Help

Rajah 6b

Rajah 6c



Rajah 9a



Rajah 10a



Rajah 11a

BAB 2: REKABENTUK AWALAN_JALAN DALAMAN

Paste Surface

Fail latihan: C3D19_WIP_F0_03RD.dwg.

- 1. Create surface seperti berikut;
 - i. Name: 03RD_03_Pave1
 - ii. **Style:** 01 No Display > ok
- 03RD_03_Pave1 > definition > edit > Paste surface > 03RD _02_Pave > ok.
- 03RD_03_Pave1 > definition > edit > raise/ lower surface > Elevation = -0.04 > enter.
- 4. Create surface seperti berikut;
 - i. Name: 03RD_04_Pave2
 - ii. **Style:** 01 No Display > ok
- 03RD_04_Pave2 > definition > edit > Paste surface > 03RD_03_Pave1 > ok.
- 03RD_04_Pave2 > definition > edit > raise/ lower surface > Elevation: -0.06 > enter.
- 7. Create surface seperti berikut;
 - i. Name: 03RD_05_Base
 - ii. **Style:** 01 No Display > ok
- 03RD_05_Base > definition > edit > Paste surface > 03RD _04_Pave2 > ok.

- 03RD_05_Base > definition > edit > raise/ lower surface > Elevation: -0.2 > enter.
- 10. Create surface seperti berikut;
 - i. Name: 03RD_06_Sub Base
 - ii. **Style:** 01 No Display > ok
- 12. 03RD_06_Sub Base > definition > editraise/ lower surface > Elevation: -0.15> enter.
- Prospector tab > surface > tukarkan semua surface style seperti berikut;
 - i. 03RD _02_Pave: 03 Triangles
 - ii. 03RD_03_Pave1: 03 Triangles
 - iii. 03RD_04_Pave2: 03 Triangles
 - iv. 03RD_05_Base: 03 Triangles
 - v. 03RD_06_Sub Base: 03 Triangles
- 14. Klik surface > object viewer

Name	Style
	01 No Display
02EW_08_Rekabentuk Awala	01 No Display
🔗 03RD_01_Jalan Dalaman	01 No Display
O3RD_02_Pave	03 Triangles
03RD_03_Pave1	03 Triangles
O3RD_04_Pave2	03 Triangles
O3RD_05_Base	03 Triangles
A 03RD_06_Sub Base	03 Triangles

Rajah 13a



Rajah 14a

BAB 2: REKABENTUK AWALAN_JALAN DALAMAN

Kerb

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

- 1. Create assembly seperti berikut;
 - i. Name: 03RD_05_Kerb_Kerb Kanan
 - ii. Code Set Style: 02 JKR All Codes
- 2. Copy kerb Kanan Rajah 2a
- 3. Create assembly seperti berikut;
 - i. **Name:** 03RD_06_Kerb_Kerb Kiri
 - ii. Code Set Style: 02 JKR All Codes
- Mirrorkan kerb kanan Rajah 4a
- Prospector tab > site > site1 > feature
 line > Rc > select > Isolate selected
 object

Rajah 5a

- 6. Create corridor seperti berikut
 - i. Name: 03RD_02_Kerb
 - ii. Corridor Style: 01 JKR General Corridor
 - iii. Baseline Type: Feature Line
 - iv. Site: Site 1
 - v. Feature Line: 03RD_Site 1_Jalan Dalaman_02
 - vi. Assembly: 03RD_05_Kerb_Kerb Kanan
 - vii. Set baseline and Region parameters: Check > ok

- 7. Tukarkan frequency corridor seperti berikut;
 - i. Along tangent: 1.000m
 - ii. Curve increment: 1.000m
 - iii. Along spiral: 1.000m
 - iv. Along vertical curves: 1.000m
- 8. Add baseline seperti berikut;
 - i. Baseline type: Feature Line
 - ii. Feature Line: 03RD_Site

1_Jalan Dalaman_04 > ok

- BL-03RD_Site1_Jalan Dalaman_04 > RC > add region > assembly > 03RD_06_Kerb_Kerb Kiri > ok
- 10. Tukarkan frequency seperti berikut;
 - i. Along tangent: 1.000m
 - ii. Curve increment: 1.000m
 - iii. Along spiral: 1.000m
 - iv. Along vertical curves: 1.000m
- 11. Add baseline seperti berikut;
 - i. Baseline type: Feature Line
 - ii. Feature Line: Klik 03RD_Site1_Jalan Dalaman_03 > ok
- 12. BL-03RD_Site1_Jalan Dalaman_03 >

RC > add region > assembly >

03RD_06_Kerb_Kerb Kiri > ok

- 13. Tukarkan frequency seperti berikut;
 - i. Along tangent: 1.000m
 - ii. Curve increment: 1.000m
 - iii. Along spiral: 1.000m
 - iv. Along vertical curves: 1.000m



- 16. Tukarkan frequency seperti berikut;
 - i. Along tangent: 1.000m
 - ii. Curve increment: 1.000m
 - iii. Along spiral: 1.000m
 - iv. Along vertical curves: 1.000m

Rajah 16a

17. Rebuild corridor > Object Viewer



Rajah 2a



A Baseline and Region Parameters - 03RD_02_Kerb X											
Add Baseline Set all Frequencies Set all Targets											
Name	Horizont	Vertical B	Assem	Star	End Station		Frequence	/ Ta	raet	Overrides	
📄 ቱ 🍢 🔽 BL - 03RD_Site1_Jalan Dalaman_02 - (7)	03RD_Site	03RD_Site		0+0	0+642.08m	1	ŀ	••			
📇 🍢 👽 🧟 - 03RD_05_Kerb_Kerb Kanan - (3)]	03RD_0	0 🖏	0+642.08m	÷,	1.000m -	••			
금· da 🚪 🔽 BL - 03RD_Site1_Jalan Dalaman_04 - (8)	03RD_Site	03RD_Site		0+0	0+305.37m		ŀ	•			
🗕 🖶 👽 🗹 RG - 03RD_06_Kerb_Kerb Kiri - (8)]	03RD_0	0 🖓	0+305.37m	-0	1.000m	••	•••		
🖃 🖬 🍢 🕑 BL - 03RD_Site1_Jalan Dalaman_03 - (9)	03RD_Site	03RD_Site		0+0	0+096.61m			••	•••		- 1
上島 👽 🗹 RG - 03RD_06_Kerb_Kerb Kiri - (9)]	03RD_0	0 🖏	0+096.61m	8	1.000m -	••			- 1
🚽 🗗 🔽 BL - 03RD_Site1_Jalan Dalaman_01 - (10)	03RD_Site	03RD_Site		0+0	0+199.20m		ŀ	-			
🗕 🕂 🔽 RG - 03RD_06_Kerb_Kerb Kiri - (10)			03RD_0	0	0+199.20m	-0	1.000m	••	•••		

Rajah 16a

BAB 3: REKABENTUK TERPERINCI_RAMP

Create Feature Line

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

г

1.	Open	fail C3D19_WIP_F0_03RD > Data	4.	Create surface profile seperti berikut;
	shortc	ut > RC > set working folder > 03		i. Alignment: 03RD_CL_03_Ramp
	Hospit	al Latihan_Rekabentuk		ii. Select surface: Rekabentuk
	Terpe	rinci_Ramp		Awalan > Add > Draw in profile view
2.	Alignm	nent Creation tools > Cipta	5.	Create Profile View meggunakan default
	alignm	nent seperti berikut;		setting
	i.	Name: 03RD_CL_3_Ramp	6.	Profile creation Tools > Klik Tajuk profile >
	ii.	Alignment style: 01 Road		Name > Ramp > ok
		Alignment	7.	Tangent – tangent (no curve)
	iii.	Alignment Label Set: No Label	8.	Rajah 7a Edit profile seperti berikut
		Set		Rajah 8a
	iv.	Use criteria- based design:	9.	Create 2 (dua) polyline
		uncheck > ok		Rajah 9a
3.	Tange	nt- tangent (no curve)		
	Rajah 3a			







2	No. PVI		PVI Station	PVI Elevation Grade In		Grade Out	A (Grade Change)	
		1	0+000.00m	3.000m		0.00%		
		2	0+001.86m	3.000m	0.00%	6.00%	6.00%	
		3	0+010.19m	3.500m	6.00%	0.00%	6.00%	
		4	0+016.67m	3.500m	0.00%	-6.00%	6.00%	
		5	0+025.00m	3.000m	-6.00%	0.00%	6.00%	
£		6	0+030.41m	3.000m	0.00%			

Rajah 8



Rajah 9a

BAB 3: REKABENTUK TERPERINCI_RAMP

Create Feature Line

Fail latihan: C3D19_WIP_F0_03RD.dwg.

- 1. Create assembly seperti berikut;
 - i. Name: 03RD_07_Ramp_Ramp
 - ii. Assembly style: Basic
 - iii. Code Set style: 02 JKR All Codes > ok
- 2. Tool pallete > generic > LinkWidthAndSlope
 - Slope: 0 > Klik pada assembly
 - ii. Side: Right
- Tool pallete > generic > LinkWidthAndSlope
 - i. Width: 0.500m
 - ii. Slope: 0 > Klik pada assembly
 - iii. Side: Right
- Tool pallete > daylight > DayLightMaxWidth
 - i. Cut Slope: 1.00:1
 - ii. Fill Slope: 1.00:1
 - iii. Klik pada assembly
 - iv. Rajah 4a
- Pilih ketiga- tiga subassemblies > mirror > klik assembly 03RD_07_Ramp_Ramp Rajah 5a

- 6. Create corridor seperti berikut;
 - i. Name: 03RD_03_Ramp
 - ii. Corridor style: Basic
 - iii. Alignment: 03RD_CL_03_Ramp
 - iv. Profile: Ramp
 - v. Assembly: 03RD_07_Ramp_Ramp
 - vi. Target Surface: 02EW_08_Rekabentuk Awalan
 - vii. Set baseline and region parameters: check
- Tetapkan target Rajah 7a
- Rebuild corridor > object viewer Rajah 8a
- 9. Rebuild automatic all surface
- 10. 03RD_03_Ramp> Rc > Corridor properties > surface tab > isi maklumat seperti di rajah;
 - Rajah 10a
- 11. 03RD_07_Ramp > Rc > surface properties;
 - Surface tab (Bina Corridor Surface)
 Rajah 11a
- 12. Rebuild Corridor
- 13. 03RD_07_Ramp > RC > surface properties > Surface style: 03 Triangles

- 14. Object viewer
- 15. Tukar semua style surface kepada 01 no display
- 16. Prospector tab > surface > 03RD_01_Jalan Dalaman Base > Definition > Edit > Paste Surface > 03RD_07_Ramp > ok
- 17. 03RD_01_Jalan Dalaman Base > Rc > Surface Properties > Surface style > 03 Triangles > ok
- 18. 03RD_02_Pave > Surface style > 03 Triangles > ok > Object viewer
- 19. Prospector tab > site > Site 1 > Feature Line > Rc > Select > isolate object

- 20. Pilih feature line luar > elevation from surface
 - Rajah 20a
 - Rajah 20b
 - Rajah 20c
- 21. Rc > isolate > end isolation
- 22. Pilih feature line dan 03RD_02_Pave > isolate
- 23. 03RD_02_Pave > Edit > Delete line > F > enter
- 24. End object isolation Rajah 24a









Rajah 5a

🗛 Target Mapping						
Corridor name:						
03RD_03_Ramp						
Assembly name:		Start Station:	End Station:			
03RD_07_Ramp_Ramp		0+000.00	0+030.41			
Target	Object Name		Subassembly	Assembly Gr		
B- Surfaces	<click all="" here="" set="" to=""></click>					
- Target Surface	👔 02EW_08_Rekabentuk Awala	n	DaylightMax	Right		
Target Surface	🟦 02EW_08_Rekabentuk Awala	n	DaylightMax	Left		
Width or Offset Targets						
Offset Target	📸 Polyline- 1		LinkWidthAn	Right		
Offset Target	<none></none>		LinkWidthAn	Right		
Offset Target	<none></none>		DaylightMax	Right		
Offset Target	Polyline- 2		LinkWidthAn	Left		
Offset Target	<none></none>		LinkWidthAn	Left		
Offset Target	<none></none>		DaylightMax	Left		
Slope or Elevation Targets						

Rajah 7a



Rajah 8a

Corridor Properties - 03RD_03_Ramp							
information Parameters Codes Feature Lines Surfaces Boundaries Slope Patterns							
à 🗟 🖌	Add data Data type:		Specif V Top	fy code:		× 4	×
Name		Surface Style	Render Material	Add as Breakline	Overhang Corr	Description	
🖃 🏫 🗖 🔽 03	RD_07_Ramp	05 Contours 🟤	ByLayer 🚳		Top Links		
- 📑 " To	p			×			

Rajah 11a









Rajah 20c

Rajah 24a

BAB 4: REKABENTUK TERPERINCI_ROAD MARKING

Extrude Road Marking

Fail latihan: C3D19_WIP_F0_03RD.dwg.

1.	Open fail C3D19_WIP_F0_03RD > Data	7. Tukar surface style 03RD_02_Pave > 01
	shortcut > RC > set working folder > 04	No Display
	Hospital Latihan_Rekabentuk	8. Alihkan pandangan model pada south
	Terperinci_Road Marking	Rajah 8a
2.	La > enter > Turn on > 01_Draf Road	9. Pilih semua road marking > RC >
	Marking	properties > elevation > 0 > enter
3.	Surfaces > 03RD_02_Pave > Style > 03	10. Taip XTR > object extrude > pilih semua
	Triangles	road marking > enter > arah ke atas
	Semua surface style mesti 01 No	melepasi surface > esc
	Display	Rajah 10a
4.	Klik road marking> Select similar >	11. Klik home > top
	isolated object	12. Taip Interfere > enter > first object >
	Rajah 4a	surface >second object > semua road
5.	Klik surface> extract from surface >	marking > enter
	extract solid from surface > Isi maklumat	Interference Checking box appear
	seperti berikut;	13. Uncheck delete interference object created
	i. Surface: 03RD_02_Pave	on close > close.
	ii. Depth: 0.003	Rajah 13a
	iii. Layer: C-TOPO	14. Delete road marking yang telah di extrude
	iv. Insert into current drawing:	15. Delete surface (hanya tinggal road
	Check > Create solid	marking)
6.	Select 03RD_02_Pave > object viewer	Rajah 15



Rajah 4a





Rajah 10a

A Interference Checking			×	4 ×
Comparing 1 object against Interfering objects	113 objects.	Highlight		
First set	1	Previous	-	in minimum
Second set:	113	Next	1	· IIIII · Water
Interfering pairs found:	113	Zoom to pair	S	
Delete interference object	ts created or	Close		
		Close	Help	

Rajah 13a

Rajah 15a

BAB 4: REKABENTUK TERPERINCI_ROAD MARKING

Signage

Fail latihan: C3D19_WIP_F0_03RD.dwg.

- Tool pallet > Rc > civil multiview blocks
- 2. Rc > New pallete > latihan >enter
- Drag MV Block dari folder latihan ke Tool pallete latihan Rajah 3a
- Klik MV block > letakkan pada jalan masuk Rajah 4a
- 5. Surface > 03RD_01_Jalan Dalaman
 Base > Rc > surface properties > style
 > 04 Contours 1m and 5m > ok
- Klik surface dan ketiga- tiga signage > isolate object > object viewer

- 7. Modify tab > surface > surface tools > move to surface > move block to surface > Klik surface dan pilih block seperti rajah berikut; Rajah 7a
- Select surface dan signage > object viewer
- La > enter > new layer > name > Road
 Marking
- 10. Pilih road marking > select similar > properties > layer > Road Marking
- 11. La > enter >new layer > name > Road Signage
- 12. Pilih ketiga-tiga road signage > properties > layer > Road Signage



Rajah 3a

Rajah 4a

A Move Blocks to Surface	\times				
Select block reference names:					
C3D18_rd-mv_RM.1a C3D18_rd-mv_RM.1b C3D18_rd-mv_RM.1d jkrAR-01(BMhpB1_19_001)_A1_wt01_(s)190101					
Total block reference objects selected: <3 of objects>					
Cancel He	p				

Rajah 7a

BAB 5: REKABENTUK TERPERINCI_PENGURUSAN MODEL

Extract Solid From Corridor

Fail latihan: C3D19_WIP_F0_03RD.dwg.

Open fail C3D19_WIP_F0_03RD > Data	4.	Isolate object > object viewer
shortcut > RC > set working folder 05	5.	Rc > end isolation object
Hospital Latihan_Rekabentuk	6.	Klik corridor kerb > extract corridor solid
Terperinci_Pengurusan Model		> all region
Klik Corridor jalan luar > Rc > isolate object		lsi jadual seperti rajah di bawah;
Klik corridor jalan > extract corridor solid > all		Codes to Extract: Rajah 6a
region		Property data: Untick All Property data
lsi jadual seperti rajah di bawah;		Choose Default setting > Extract Solid
Codes to Extract: Rajah 3a	7.	Klik solid > object viewer
Property data: Untick All Property data		Rajah 7a
Output Options: Choose Default setting >		
Extract Solid		
Rajah 3b		
	Open fail C3D19_WIP_F0_03RD > Data shortcut > RC > set working folder 05 Hospital Latihan_Rekabentuk Terperinci_Pengurusan Model Klik Corridor jalan luar > Rc > isolate object Klik corridor jalan > extract corridor solid > all region Isi jadual seperti rajah di bawah; Codes to Extract: Rajah 3a Property data: Untick All Property data Output Options: Choose Default setting > Extract Solid Rajah 3b	Open fail C3D19_WIP_F0_03RD > Data4.shortcut > RC > set working folder 055.Hospital Latihan_Rekabentuk6.Terperinci_Pengurusan ModelKlik Corridor jalan luar > Rc > isolate objectKlik corridor jalan > extract corridor solid > allregionIsi jadual seperti rajah di bawah;7.Codes to Extract: Rajah 3a7.Property data: Untick All Property dataLottput Options: Choose Default setting >Extract SolidRajah 3b

Codes to Extract Property Data Output Optime	Comidor 03RD_01_Smpang Masuk							
	Name → ♥ BL - 03RD_CL_01_Ja → ♥ BL - 03RD_CL_02_Ja → ♥ BL - 03RD_CON_01_ → ♥ BL - 03RD_CON_02	Code Type lan Si Si	Side	Start Station	End Station	Color ByLayer ByLayer ByLayer SyLayer	Layer Name Temp <pre> </pre> <	

Rajah 3a



Rajah 3b

A Extract Corridor Se	olids							
Codes to Extract	Contidor 03RD_02_Kerb							
Output Options		Add Regions]					
	Name	Code Type	Side	Start Station	End Station	Color	Layer Name Tem	
	 ► ♥ BL - 03RD_Site 1_Ja ● ♥ BL - 03RD_Site 1_Ja ■ ♥ BL - 03RD_Site 1_Ja ■ ♥ BL - 03RD_Site 1_Ja 	lan lan lan				ByLayer ByLayer ByLayer ByLayer	<[Codes]> Line <[Codes]> Line <[Codes]> Line <[Codes]> Line <[Codes]> Line <[Codes]> Line	

Rajah 6a



Rajah 7a

BAB 5: REKABENTUK TERPERINCI_PENGURUSAN MODEL

Extract Solid From Surface

Fail latihan: C3D19_WIP_F0_03RD.dwg.

1.	Prospector tab > surface >	Klik surface 03RD_05_ Base > Extract
	03RD_03_Pave1 > Rc > surface	from surface > Extract solid from surface >
	properties > Surface style > 03 Triangles	isi jadual seperti berikut:
	> ok	i. Depth: 0.2
2.	Klik surface > Extract from surface >	ii. Layer: Base
	Extract solid from surface > isi jadual	iii. Color: By layer > Create solid
	seperti berikut:	7. Klik surface 03RD_06_ Sub Base > Extract
	i. Depth: 0.04	from surface > Extract solid from surface >
	ii. Layer: Pave1	isi jadual seperti berikut:
	iii. Color: By layer > Create solid	i. Depth: 0.15
3.	Tukar surface style 03RD_03_Pave1	ii. Layer: Sub Base
	kepada 01 No display	iii. Color: By layer > Create solid
4.	Prospector tab > surface >	8. End isolation
	03RD_04_Pave2 > Rc > surface	9. LA > enter> turn off semua layer
	properties > Surface style > 03 Triangles	10. Turn On layer berikut;
	> ok	i. Curb
5.	Klik surface > Extract from surface >	ii. Pave1
	Extract solid from surface > isi jadual	iii. Pave2
	seperti berikut:	iv. Base
	i. Depth: 0.06	v. Subbase
	ii. Layer: Pave2	vi. Road Marking
	iii. Color: By layer > Create solid	vii. Road Signage
		11. Detach Lukisan Arkitek

BAB 5: REKABENTUK TERPERINCI_PENGURUSAN MODEL

Property Data

Fail latihan: C3D19_WIP_F0_03RD.dwg.

1.	Manage tab > Property Set Data panel >			vi. New Property			
	Define Property sets			- Name: Tarikh Ujian			
2.	Prope	rty Set Definition > Rc > new			- 1	Type: Text	
	Gener	al tab			- C	Default:	
	i.	Name: Turapan		vii.	Ν	ew Property	
	Applie	s To Tab:			- 1	lame: Tarikh Waranty Pembekal	
	i.	Solid (3D): Check			- 7	Type: Text	
	Definit	tion tab > Add manual Property			- C	Default:	
	definit	ion:		viii.	Ac	d Automatic Property definition:	
	i.	New Property			a)	Categorized tab	
		- Name: Jenis Turapan			-	Volume: Check	
		- Type: Text			-	*Langkah i – viii (Rajah 2)	
		- Default:	3.	Klik C)k >	ok	
	ii.	New Property	4.	Prope	erty S	Set Definition > Turapan > Rc >	
		- Name: Jenis Ujian		copy	> pa	ste (pada tempat yang sama)	
		- Type: Text	5.	Rena	me :	> Bebendul	
		- Default:	6.	Prope	erty S	Set Definition > Bebendul	
	iii.	New Property		Applie	es T	o Tab:	
		- Name: Nama Pembekal		i.	Sc	olid (3D): Check	
		- Type: Text		Defini	tion	tab: Jenis Turapan > delete >	
		- Default:		Apply			
	iv.	New Property	7.	Prope	erty S	Set Definition > Bebendul > Rc >	
		- Name: No Telefon Pembekal		copy	> pa	ste (pada tempat yang sama)	
		- Typ e: Text	8.	Rena	me :	> Road Marking	
		- Default:		Applie	es T	o Tab:	
	٧.	New Property		i.	So	olid (3D): Check	
		- Name: Tarikh Pasang		Defini	tion	tab: volume> delete > Apply	
		- Type: Text	9.	Prope	erty S	Set Definition > Road Marking >	
		- Default:		Rc > (сору	/ > paste (pada tempat yang	
				sama)		

- 10. Rename > Road Signage > ok
- 11. Klik kerb > RC > select similar > Rc >
 properties > Extended Data Tab > Add
 Property Data Set > General > ok
- 12. Extended Data Tab > Add Property Data Set > Bebendul > ok
- 13. Klik road marking > RC > select similar > Add Property Data Set
 - i. Road Marking
 - ii. General > ok

- Select solid > Add Property Data Set > Pilih Property berikut;
 - i. General
 - ii. Road Signage > ok
- 15. Save file
- 16. Taip NWCout > enter > 05 Hospital Latihan_Rekabentuk Terperinci_Pengurusan Model > 02_Share
 - > jkrCv19-

03(BMhpB1_19_001)_A1_wt01_(s)190101

Name	Description	Туре	Source	Default	Units	Format	Example
🗄 + Jenis Turapan	Jenis Turapan	Text		**		Standard	
🗄 + Jenis Ujian	Jenis Ujian	Text				Standard	
🛛 🖡 Nama Pembekal	Nama Pembekal	Text				Standard	-
I+ No. Tel Pembekal	No.Tel Pembekal	Text				Standard	
🗄 + Tarik Pasang	Tarik Pasang	Text				Standard	
🗄 + Tarikh Ujian	Tarikh Ujian	Text				Standard	
🛙 🛊 Tarikh Waranti Pembekal	Tarikh Waranti	Text		**		Standard	
Sa Volume	Volume	Automatic	Solid (3			Standard	1



Rajah 12a

Rajah 2a



Rajah 14a

BAB 6: PENYEDIAAN LUKISAN

Setting Layout

Fail latihan: C3D19_WIP_F0_03RD.dwg.

ARAHAN:

1.	Open f	ail C	C3D19_WIP_F0_03RD >							
	Data s	hort	ut > RC > set working							
	folder > 06 Hospital									
	Latihar	∟atihan_Penyediaan Lukisan > Select								
	folder	·								
2.	La > ei	nter	> select all > turn off all							
	layer									
3.	Turn o	n lay	yer berikut							
	i.	01_	_TB							
	ii.	02_	_Notes							
	iii.	03_	_Map							
	iv.	04_	_Road Marking							
	٧.	05_	_Road Signage							
	vi.	06_	_Simbol							
4.	Prospe	ector	r > corridor >							
	03RD_	_01_	Simpang Masuk > Rc >							
	properties									
	i. Codes tab									
		Сс	de Set Style: None							
	ii.	Fe	ature line tab							
		•	Code > BackCurb >							
			Connect > $$ > Feature							
			Line style > 01_Corridor							
			Curb_Road Marking							
		•	Code > Flange > Connect							
			> $$ > Feature Line style >							
			01_Corridor Curb_Road							
			Marking							
		•	Klik OK							

- Prospector > corridor > 03RD_02_Kerb > Rc > properties
 - i. Codes tab Code Set Style: None
 - ii. Feature Line tab
 - Backcurb > Feature Line style > 01_Corridor Curb_Road Marking
 - Flange > Feature Line style > 01_Corridor Curb_Road Marking > ok
- 6. Rebuild corridor
- Open fail jkrAR-01(BMhpB1_19_001)_A1_wt01_(s)190101
- Select model arkitek > tukar color kepada
 251 > save > tutup fail
- 9. Fail C3D19_WIP_F0_03RD > xref > attach > jkrAR-

01(BMhpB1_19_001)_A1_wt01_(s)190101

> Open > locate using geographic data > check

- 10. Layout tab > kik viewport > ZE > enter > Scale > 1:500 > lock viewport
- Layout viewport > rectangular > Masukkan gambar peta Rajah 11a

 Layout viewport > rectangular > masukkan sistem koordinat Rajah 12a

13. Layout viewport > rectangular > masukkan nota. Rajah 13a



Rajah 3a

Rajah 6a



Rajah 10a



Rajah 11a





Rajah 13a

BAB 6: PENYEDIAAN LUKISAN

Setting Layout

Fail latihan: C3D19_WIP_F0_03RD.dwg.

1.	Application menu > drawing utilities >			. Rename sheet Tittle > Pelan Lukisan Jalan			
	drawing properties > Summary tab > isi			Dalaman			
	maklumat seperti berikut			Turn on layer berikut;			
	i.	i. Tittle: Projek Membina dan		i. 0			
		Menyiapkan Hospital		ii. 01_TB			
	ii.	Subject: Lukisan Jalan Dalaman		iii. 02_Notes			
	iii.	Author: Ir. Abdullah Bin Ahmad		iv. 03_Map			
2.	. Custom tab > isi maklumat seperti rajah			v. 04_Road Marking			
	beriku	t:		vi. 05_Road Signage			
	Rajah 2a			vii. 06_Simbol			
3.	Sheet set manager > New sheet Set > Isi		6.	Taip MText > enter > klik pada tajuk lukisa			
	Maklu	mat seperti berikut;		> Pelan Lukisan Jalan Dalaman			
	i. Begin		7.	Taip MText > enter > klik pada no lukisan >			
		Create a sheet set using: Existing		JKR.CKAS/07.500/020/MOIS/J26/KT/Ins			
		drawing		field/01			
	ii. Sheet Set Details			Rajah 7a			
		Name of new sheet set:		Rea > enter			
		Lukisan Hospital Latihan		Pelan Lukisan Jalan Dalaman Iayout > RC			
	• Store set: Folder Latihan > 02			> page setup manager > pelan kerja tanah			
	Coursework > 06 Hospital			> modify > plot style table >			
		Latihan_Penyediaan Lukisan>		monochrome.ctb > klik button edit > plih			
		01_WIP > Shortcuts		color 251 > screening > 50 > save as >			
		Choose Layouts		Template Lukisan BKA > save > save &			
		- C3D19_WIP_F0_03RD		close > ok >plot style table > Template			
		• Confirm	Lukisan BKA > ok				
	- Finish		10	10. Turn On semua layer untuk Xref			
				Rajah 10a			

11. Sheet set manager > Lukisan Hospital Latihan >Rc > Resave all sheet
12. Sheet set manager > Lukisan Hospital Latihan >RC > publish > Publish to DWFx
13. Publish file > Folder Latihan > 02 Coursework > 06 Hospital Latihan_Penyediaan Lukisan > 03_Publish
14. Rename file > jkrCv19_1_(BMhpB1_19_001)F1_RD_190101a

3D19_WIP_F0_03RD.dwg Properties			
eral Summary Statistics Custom			
ustom properties :			
Name	Value		
Disemak	Ir.Prem Kumar A/L Kalippan		
Dilukis	Siti Asmah Binti Abdul Kahar		
Pengarah Kanan	Ir. Hj. Mohamad Zulkefly Bin Sulaiman		
Pengarah Khidmat Pakar dan Pengurusan	Ir. Mohd Azhari Bin Mohd Salleh		
Jurutera Awam Penguasa Kanan	Chow Wah		
Jurutera Awam Penguasa			
Jurutera Awam Kanan	Ir. Prem Kumar A/L Kalippan		
No. Fail Projek	JKR.CKAS/05.500/020/JPM/D12		

Rajah 2a

						~ ~~				
NAMA PROJEK :	PROJEK	MEMBINA	DAN	MENYIAPKAN	HOSPITAL	LATIHAN				
						9				
						9				
						3				
TAJUK LUKISAN : PELAN LUKISAN JALAN DALAMAN										
NO. LUKISAN :										
	JKR.CK	AS/07.50	0/02	0/MOIS/J26/	′КТ/01/01					
	k									
				ht.						

Rajah 7a



Rajah 10a