Preliminary Works of KMIC

DETAILED DESIGN DRAWING

August 2025

KMIC

TABLE OF CONTENTS

도 면 명	매 수	일련번호
1. SITE PLAN		
LAND USE PLAN	01	
2. EARTH WORK		
TOPOGRAPHICAL SURVEY	01	
EARTH WORK PLAN	01	
DOZER AND NO CHARGE TRANSPORT PLAN	01	
DUMP TRANSPORT PLAN	01	
ROAD PLANE-LONGITUDINAL SECTION	02	
ROAD CROSS SECTION	08	
3. ROAD AND PAVEMENT		
ROAD HIERARCHIES	01	
PAVEMENT PLAN	01	
TYPICAL CROSS SECTION	02	
PAVEMENT PROFILE	01	
4. MISCELLANEOUS WORK		
MISCELLANEOUS PLAN	01	

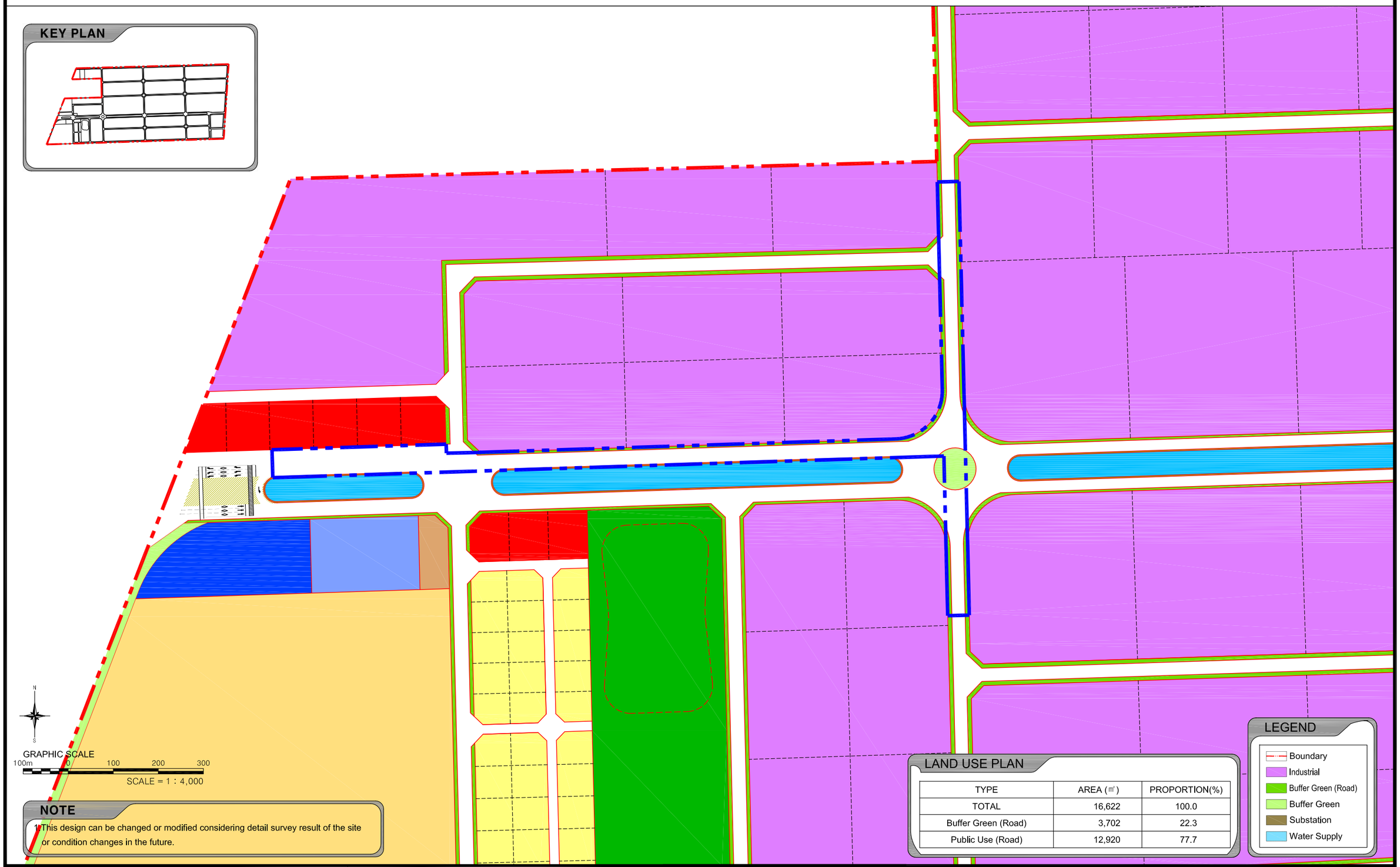
도 면 명	매 수	일련번호

도 면 명	매 수	일련번호

KMIC	KMIC Development Co.,Ltd.	WORK TYPE :	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : TABLE OF CONTENTS	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = NONE		

01. SITE PLAN

LAND USE PLAN

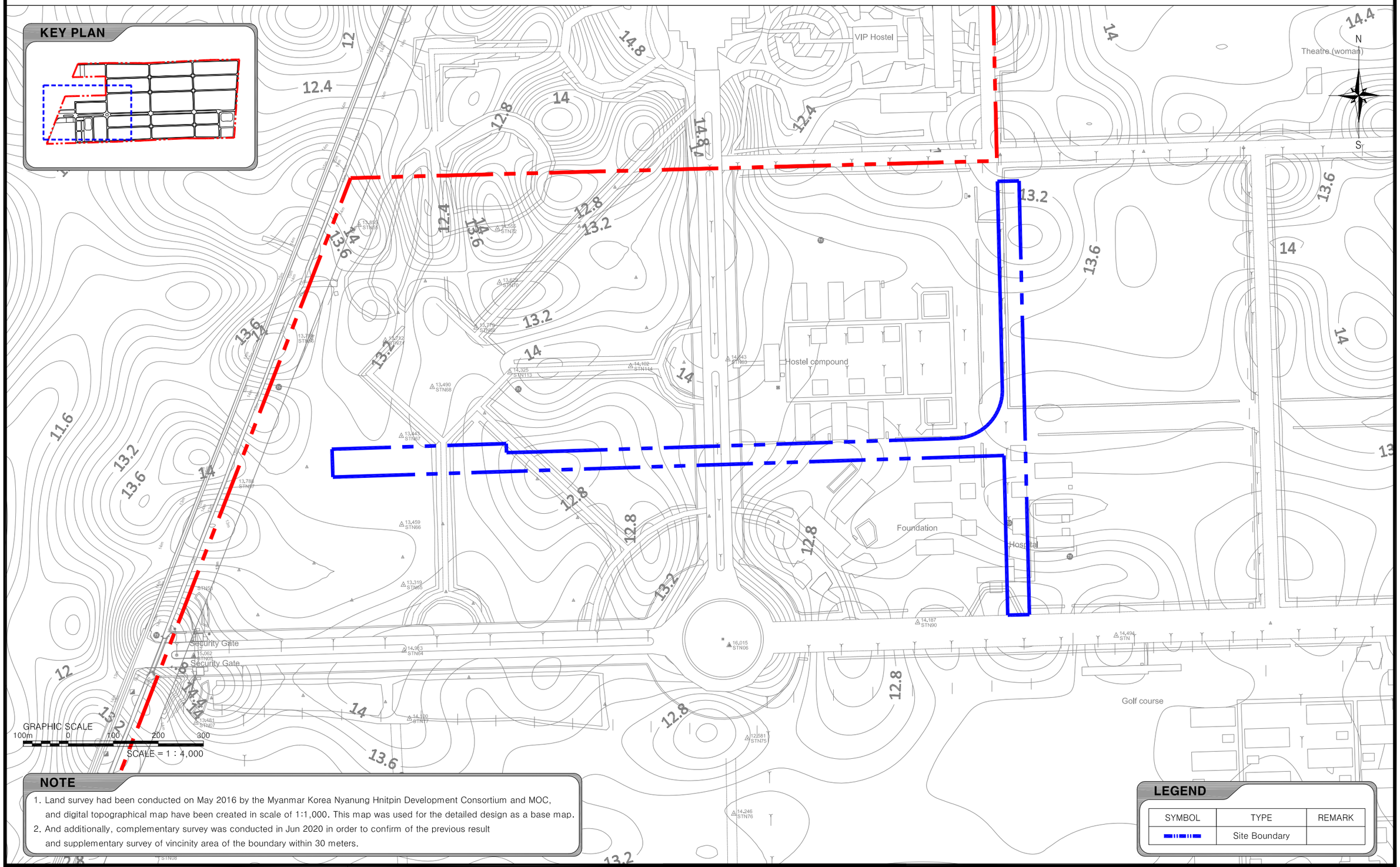


TYPE	AREA (㎡)	PROPORTION(%)
TOTAL	16,622	100.0
Buffer Green (Road)	3,702	22.3
Public Use (Road)	12,920	77.7

KMIC	KMIC Development Co., Ltd.	WORK TYPE : SITE PLAN	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : LAND USE PLAN(	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 1,500		

02. EARTH WORK

TOPOGRAPHICAL SURVEY



NOTE

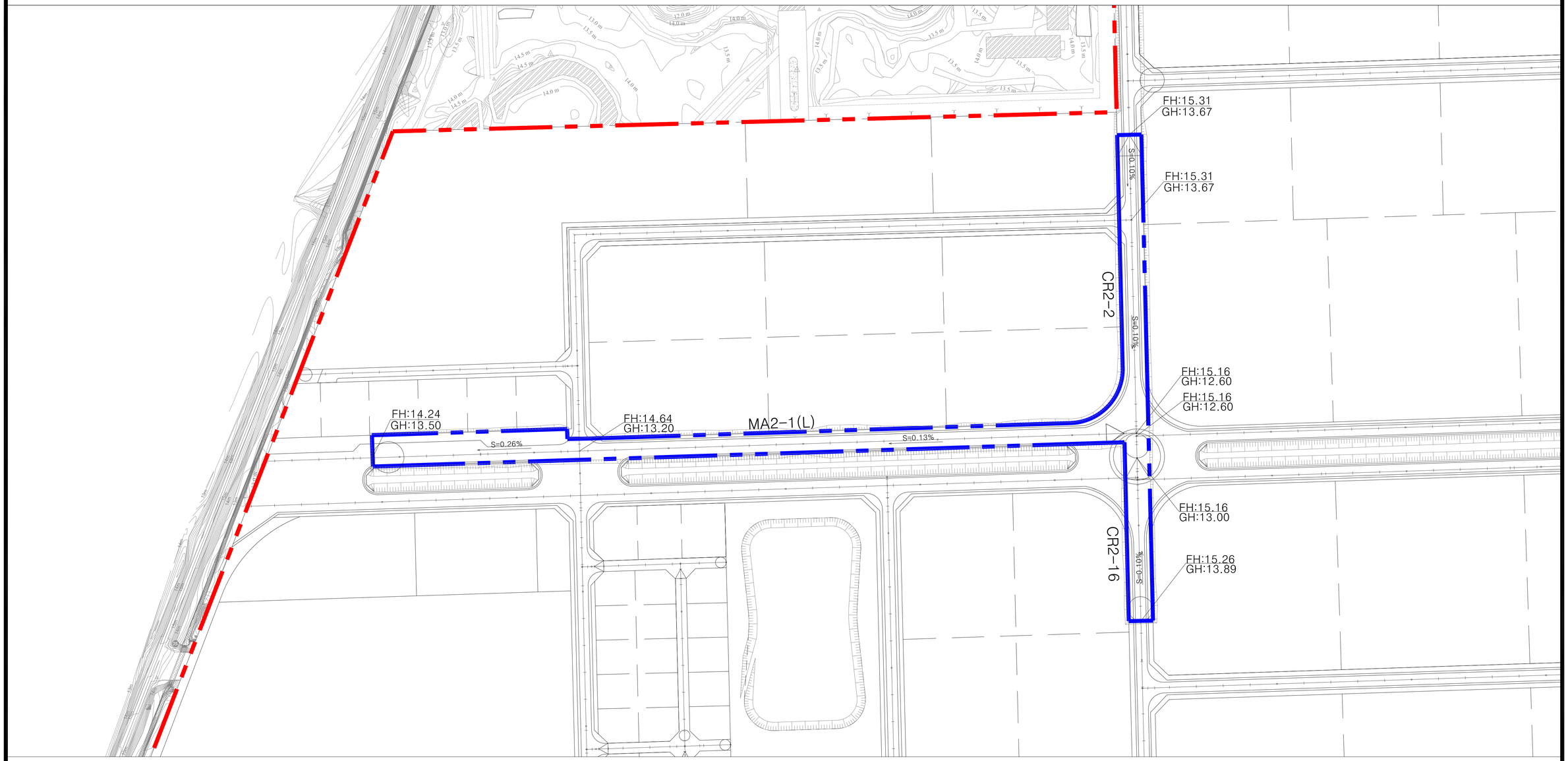
1. Land survey had been conducted on May 2016 by the Myanmar Korea Nyanung Hnitpin Development Consortium and MOC, and digital topographical map have been created in scale of 1:1,000. This map was used for the detailed design as a base map.
2. And additionally, complementary survey was conducted in Jun 2020 in order to confirm of the previous result and supplementary survey of vincinity area of the boundary within 30 meters.

LEGEND

SYMBOL	TYPE	REMARK
	Site Boundary	

KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
	Preliminary Works of KMIC	TITLE : TOPOGRAPHICAL SURVEY	DESIGNED BY Han, Seung Sik	CHECKED BY Koo, Jeong Hyun	APPROVED BY Hong, Doo Sun	General Manager Lee, Chang Min	August 2025	S = 1 : 1,500		

EARTH WORK PLAN



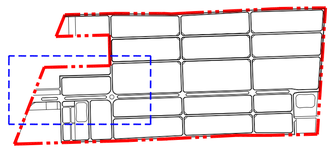
N
S

GRAPHIC SCALE
50m 0 50 100 150
SCALE = 1 : 2,000

NOTE

1.This design can be changed or modified considering detail survey result of the site or condition changes in the future.

KEY MAP

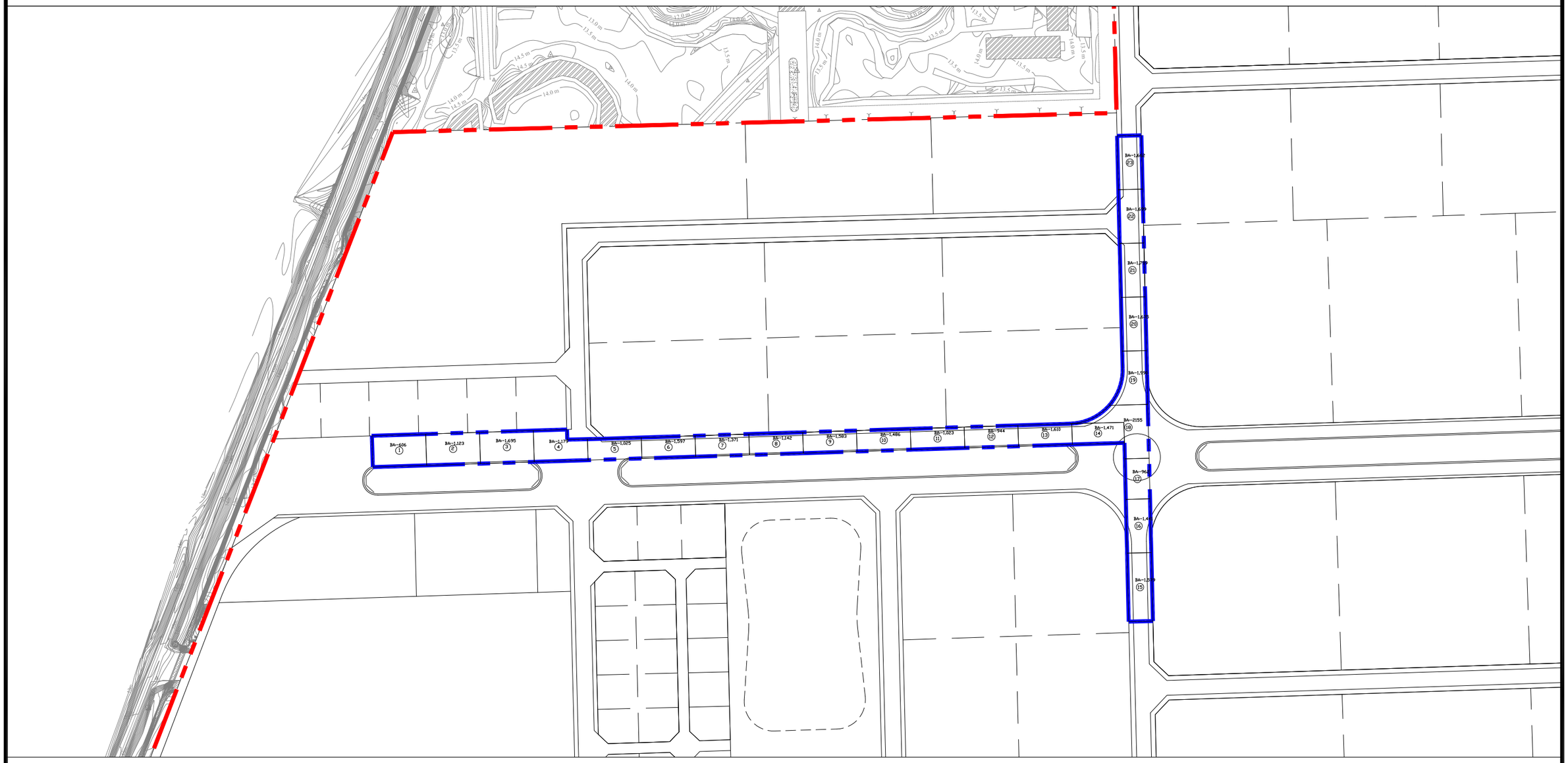


LEGEND

SYMBOL	TYPE	REMARK
S=0.00%	Road Slope	
0.000%	Block Slope	
FH:100.00 GH:100.00	Final Height Ground Height	
NO.0	Road Chain Number	
High Low	Slope Area	
	Site Boundary	

KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : EARTH WORK PLAN	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 1,500		

DOZER AND NO CHARGE TRANSPORT PLAN



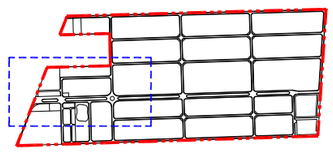
N
S

GRAPHIC SCALE
50m 0 50 100 150
SCALE = 1 : 2,000

NOTE

1. This design can be changed or modified considering detail survey result of the site or condition changes in the future.

KEY MAP

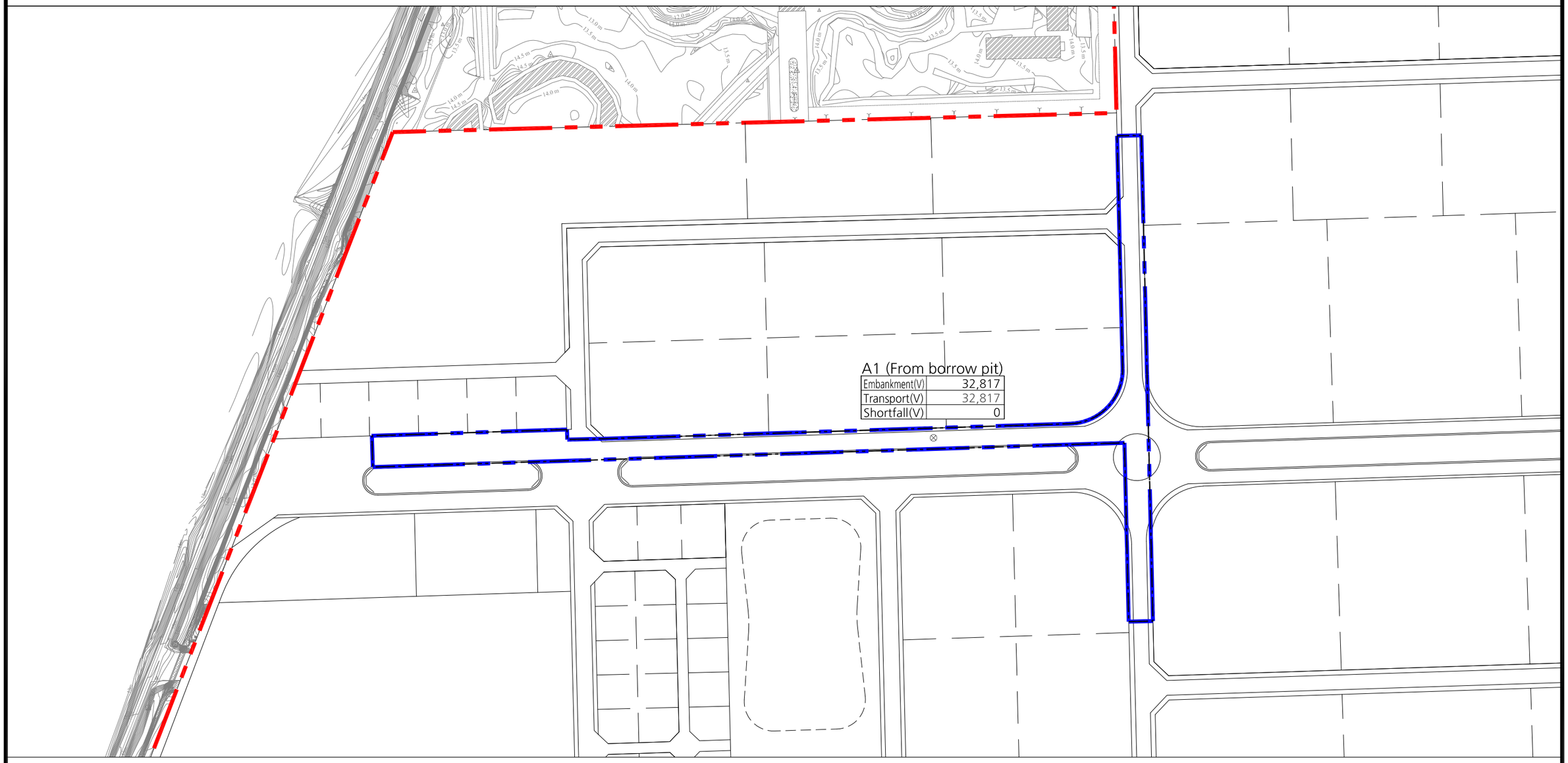


LEGEND

SYMBOL	TYPE	REMARK
BA	Embankment	
CA1	Cutting(soil)	
BM	Dozer	
MV	2nd no charge	

KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : DOZER AND NO CHARGE TRANSPORT PLAN	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 1,500		

DUMP TRANSPORT PLAN



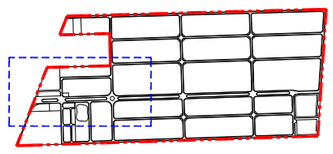
N
S

GRAPHIC SCALE
50m 0 50 100 150
SCALE = 1 : 2,000

NOTE

1. This design can be changed or modified considering detail survey result of the site or condition changes in the future.

KEY MAP

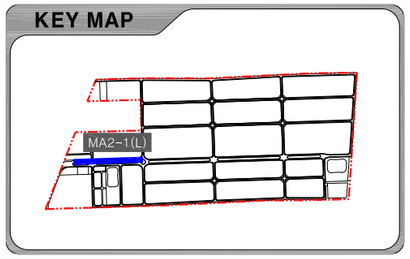


LEGEND

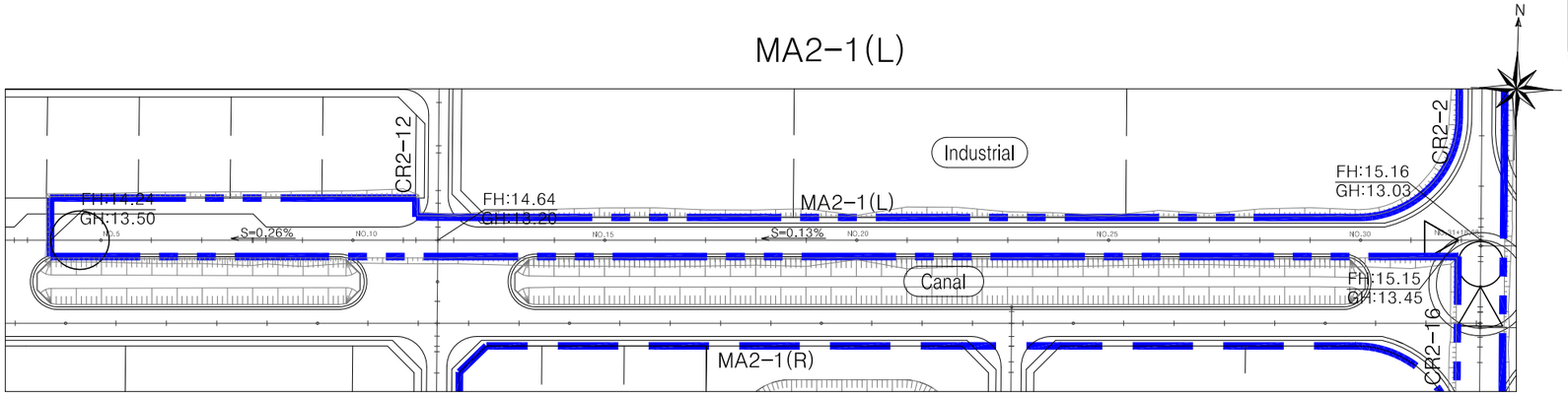
SYMBOL	TYPE	REMARK
DM	Dump transport	
—·—·—	Embankment dump cell	

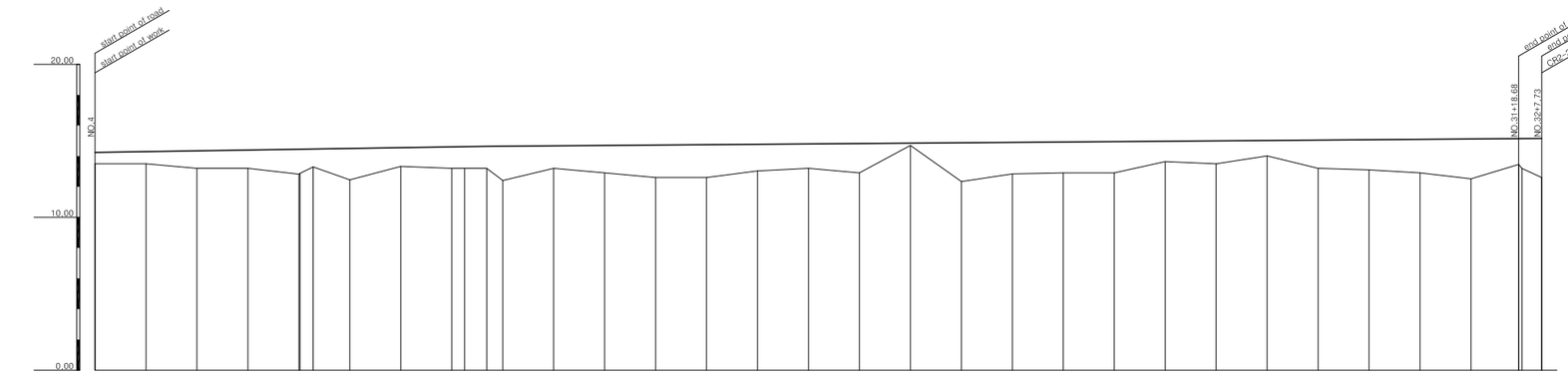
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : DUMP TRANSPORT PLAN	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 1,500		

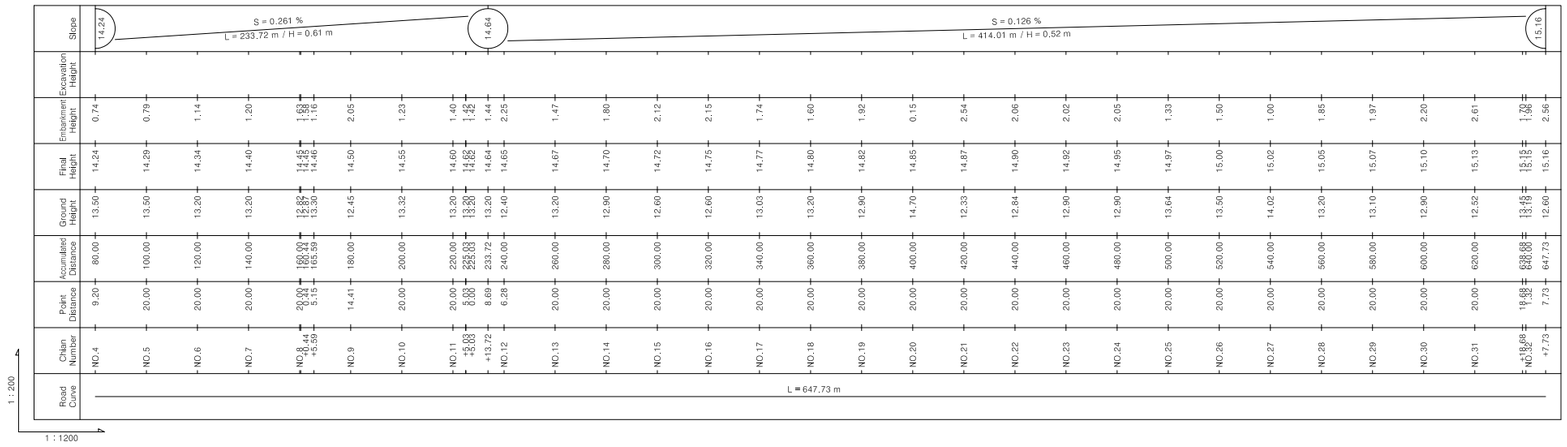
ROAD PLANE-LONGITUDINAL SECTION(1/2)



MA2-1(L)



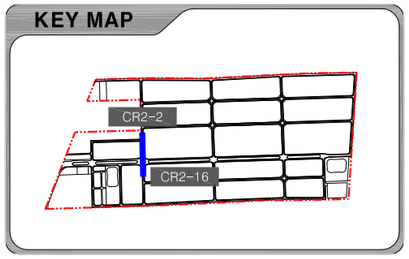




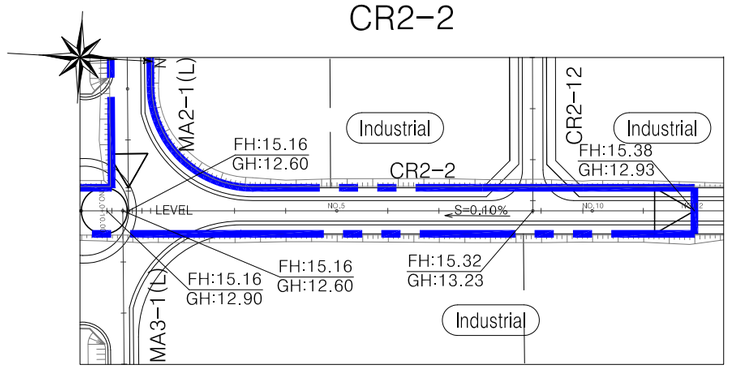
Chain Number	Point Distance	Accumulated Distance	Ground Height	Final Height	Embankment Height	Excavation Height	Slope
NO.4	9.20	80.00	13.50	14.24	0.74		14.24
NO.5	20.00	100.00	13.50	14.29	0.79		
NO.6	20.00	120.00	13.20	14.34	1.14		
NO.7	20.00	140.00	13.20	14.40	1.20		
NO.8	20.00	160.00	12.82	14.45	1.63		
+5.44	0.44	165.44	12.87	14.45	1.58		
+5.59	5.15	165.59	12.87	14.46	1.16		
NO.9	14.41	180.00	12.45	14.50	2.05		
NO.10	20.00	200.00	13.32	14.55	1.23		
NO.11	20.00	220.00	13.20	14.60	1.40		
+5.03	5.03	225.03	13.20	14.62	1.42		
+5.03	0.00	225.03	13.20	14.62	1.42		
+13.72	8.69	233.72	13.20	14.64	1.44		
NO.12	6.28	240.00	12.40	14.65	2.25		
NO.13	20.00	260.00	13.20	14.67	1.47		
NO.14	20.00	280.00	12.90	14.70	1.80		
NO.15	20.00	300.00	12.60	14.72	2.12		
NO.16	20.00	320.00	12.60	14.75	2.15		
NO.17	20.00	340.00	13.03	14.77	1.74		
NO.18	20.00	360.00	13.20	14.80	1.60		
NO.19	20.00	380.00	12.90	14.82	1.92		
NO.20	20.00	400.00	14.70	14.85	0.15		
NO.21	20.00	420.00	12.33	14.87	2.54		
NO.22	20.00	440.00	12.84	14.90	2.06		
NO.23	20.00	460.00	12.90	14.92	2.02		
NO.24	20.00	480.00	12.90	14.95	2.05		
NO.25	20.00	500.00	13.64	14.97	1.33		
NO.26	20.00	520.00	13.50	15.00	1.50		
NO.27	20.00	540.00	14.02	15.02	1.00		
NO.28	20.00	560.00	13.20	15.05	1.85		
NO.29	20.00	580.00	13.10	15.07	1.97		
NO.30	20.00	600.00	12.90	15.10	2.20		
NO.31	20.00	620.00	12.52	15.13	2.61		
+18.68	18.68	638.68	13.45	15.15	1.70		
NO.32	9.05	648.68	13.15	15.15	1.96		
+7.73	7.73	647.73	12.60	15.16	2.56		

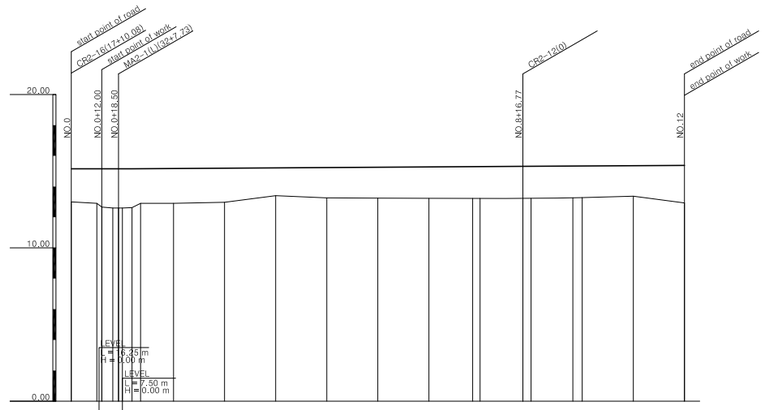
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. / Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD PLANE-LONGITUDINAL SECTION(1/2)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	V = 1 : 200 H = 1: 1,200		

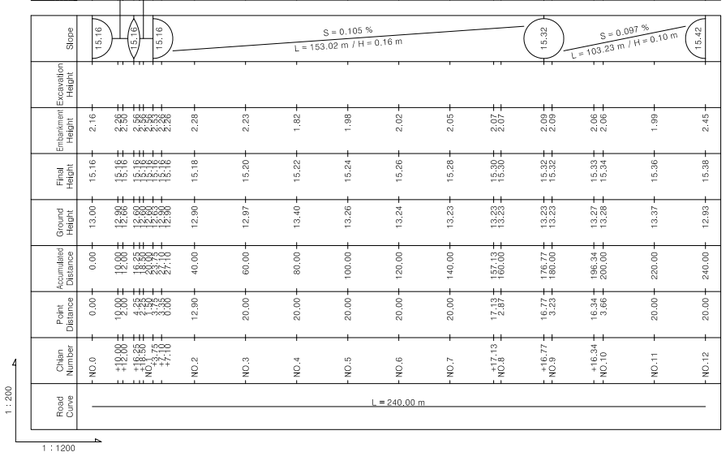
ROAD PLANE-LONGITUDINAL SECTION(2/2)



CR2-2

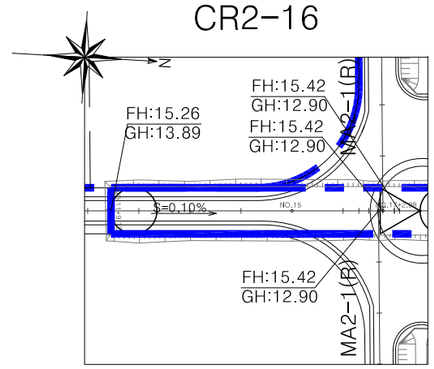


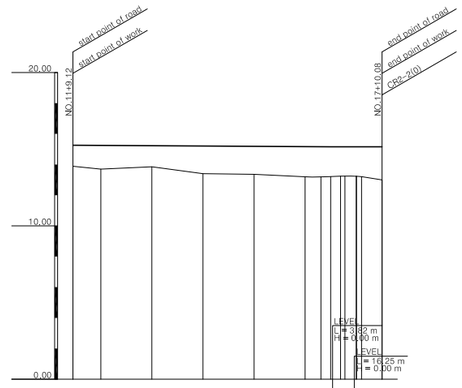


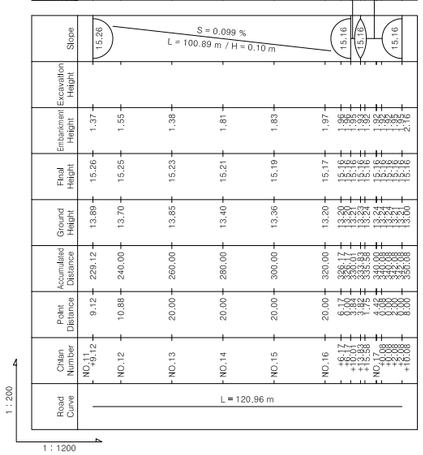


Point Distance	Accumulated Distance	Ground Height	Final Height	Embankment Height	Chain Number
0.00	0.00	13.00	15.16	2.16	NO.0
10.00	10.00	12.88	15.16	2.29	+10.00
2.00	12.00	12.88	15.16	2.29	+12.00
4.50	16.50	12.89	15.16	2.28	+16.50
3.75	20.25	12.90	15.16	2.26	NO.1+3.75
3.05	23.30	12.90	15.16	2.26	+7.10
12.90	40.00	12.90	15.18	2.28	NO.2
20.00	60.00	12.97	15.20	2.23	NO.3
20.00	80.00	13.40	15.22	1.82	NO.4
20.00	100.00	13.26	15.24	1.98	NO.5
20.00	120.00	13.24	15.26	2.02	NO.6
20.00	140.00	13.23	15.28	2.05	NO.7
17.13	157.13	13.23	15.30	2.07	+17.13
2.87	160.00	13.23	15.30	2.07	NO.8
16.77	176.77	13.23	15.32	2.09	+16.77
3.23	180.00	13.23	15.32	2.09	NO.9
16.34	196.34	13.27	15.33	2.06	+16.34
3.66	200.00	13.28	15.34	2.06	NO.10
20.00	220.00	13.37	15.36	1.99	NO.11
20.00	240.00	12.93	15.38	2.45	NO.12

CR2-16





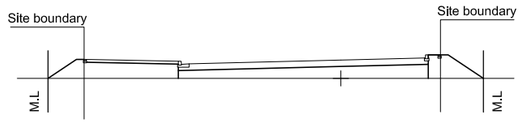


Point Distance	Accumulated Distance	Ground Height	Final Height	Embankment Height	Chain Number
9.12	229.12	13.89	15.26	1.37	NO.11
10.88	240.00	13.70	15.25	1.55	+9.12
20.00	260.00	13.65	15.23	1.38	NO.12
20.00	280.00	13.40	15.21	1.81	NO.13
20.00	300.00	13.36	15.19	1.83	NO.14
20.00	320.00	13.20	15.17	1.97	NO.15
6.17	326.17	13.20	15.16	1.96	NO.16
3.92	330.09	13.21	15.16	1.95	+6.17
3.91	333.91	13.22	15.16	1.94	+10.09
1.75	335.66	13.24	15.16	1.92	+13.91
0.68	336.34	13.24	15.16	1.92	+15.66
2.00	338.34	13.24	15.16	1.92	NO.17
2.00	340.34	13.24	15.16	1.92	+0.08
2.00	342.34	13.25	15.16	1.91	+2.08
8.00	350.08	13.00	15.16	2.16	+10.08

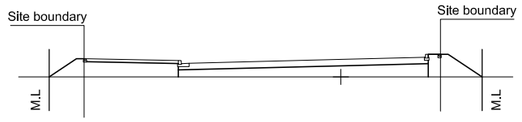
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD PLANE-LONGITUDINAL SECTION(2/2)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	V = 1 : 200 H = 1: 1,200		

ROAD CROSS SECTION(1/8)

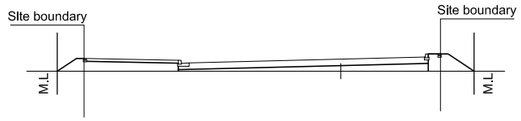
MA2-1(L)



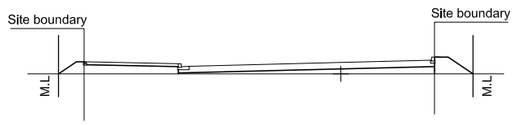
NO.7 F.H: 14.40 G.H: 13.20					
Embankment	Subgrade	11.65	Excavation	Soil	
	Sub-base	11.52			
	Not Compacted				
Strip sod		4.99	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



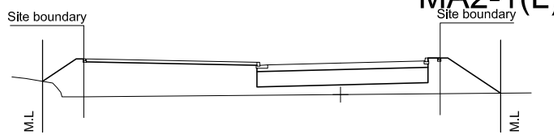
NO.6 F.H: 14.34 G.H: 13.20					
Embankment	Subgrade	10.80	Excavation	Soil	
	Sub-base	10.89			
	Not Compacted				
Strip sod		4.81	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



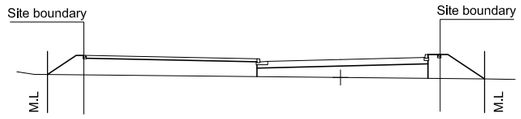
NO.5 F.H: 14.29 G.H: 13.50					
Embankment	Subgrade	5.05	Excavation	Soil	
	Sub-base	6.87			
	Not Compacted				
Strip sod		3.54	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



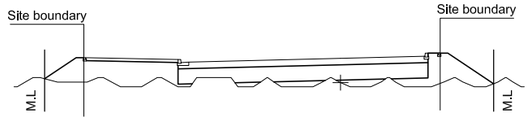
NO.4 F.H: 14.24 G.H: 13.50					
Embankment	Subgrade	4.39	Excavation	Soil	
	Sub-base	5.95			
	Not Compacted				
Strip sod		3.37	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



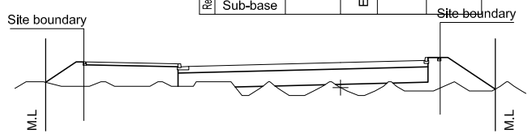
NO.9 F.H: 14.50 G.H: 12.45					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	42.12			
	Not Compacted				
Strip sod		6.77	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



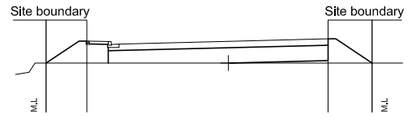
NO.8+5.59 F.H: 14.46 G.H: 13.30					
Embankment	Subgrade	8.38	Excavation	Soil	
	Sub-base	17.26			
	Not Compacted				
Strip sod		5.13	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



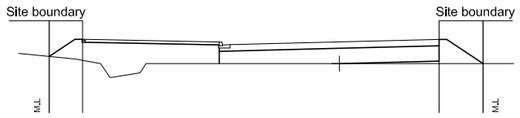
NO.8+0.44 F.H: 14.45 G.H: 12.87					
Embankment	Subgrade	15.13	Excavation	Soil	
	Sub-base	20.08			
	Not Compacted				
Strip sod		6.06	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



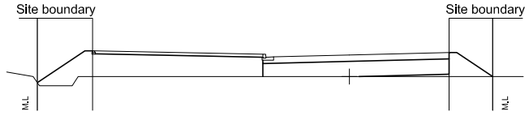
NO.8 F.H: 14.45 G.H: 12.82					
Embankment	Subgrade	14.99	Excavation	Soil	
	Sub-base	20.49			
	Not Compacted				
Strip sod		6.11	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



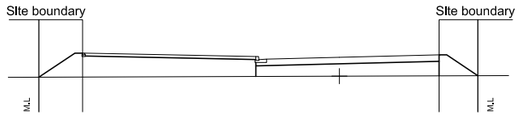
NO.11+5.03 F.H: 14.62 G.H: 13.20					
Embankment	Subgrade	13.55	Excavation	Soil	
	Sub-base	7.14			
	Not Compacted				
Strip sod		5.43	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



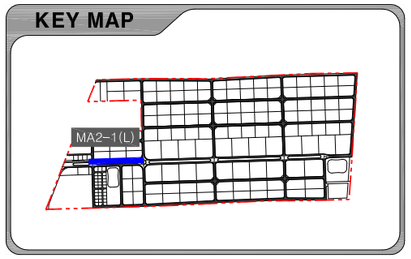
NO.11+5.03 F.H: 14.62 G.H: 13.20					
Embankment	Subgrade	13.55	Excavation	Soil	
	Sub-base	18.31			
	Not Compacted				
Strip sod		4.86	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.11 F.H: 14.60 G.H: 13.20					
Embankment	Subgrade	11.65	Excavation	Soil	
	Sub-base	22.54			
	Not Compacted				
Strip sod		6.56	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.10 F.H: 14.55 G.H: 13.32					
Embankment	Subgrade	9.79	Excavation	Soil	
	Sub-base	18.68			
	Not Compacted				
Strip sod		5.28	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



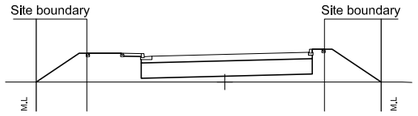
LEGEND

SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

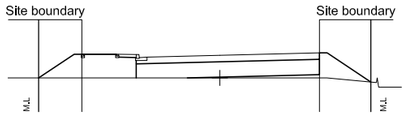
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(1/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

ROAD CROSS SECTION(2/8)

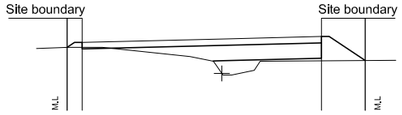
MA2-1(L)



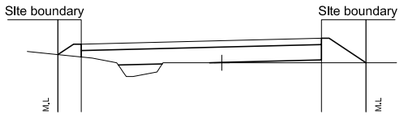
NO.14 F.H: 14.70 G.H: 12.90					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	20.27			
	Not Compacted				
Strip sod		7.22	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



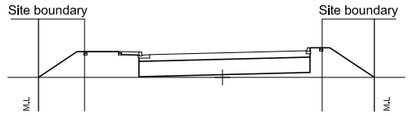
NO.13 F.H: 14.67 G.H: 13.20					
Embankment	Subgrade	11.82	Excavation	Soil	
	Sub-base	11.82			
	Not Compacted				
Strip sod		6.22	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



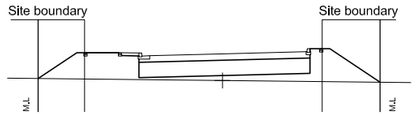
NO.12 F.H: 14.65 G.H: 12.40					
Embankment	Subgrade	10.09	Excavation	Soil	0.13
	Sub-base	5.57			
	Not Compacted				
Strip sod		3.40	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



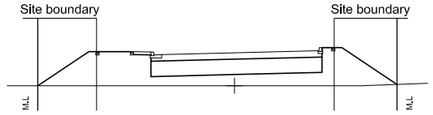
NO.11+13.72 F.H: 14.64 G.H: 13.20					
Embankment	Subgrade	14.65	Excavation	Soil	
	Sub-base	5.84			
	Not Compacted				
Strip sod		4.12	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



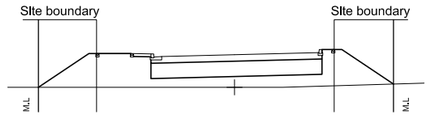
NO.18 F.H: 14.80 G.H: 13.20					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	15.84			
	Not Compacted				
Strip sod		6.50	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



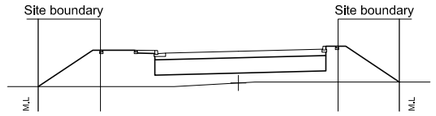
NO.17 F.H: 14.77 G.H: 13.03					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	18.74			
	Not Compacted				
Strip sod		6.98	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



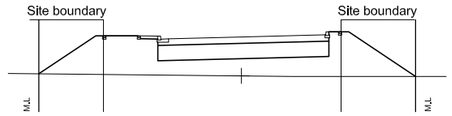
NO.16 F.H: 14.75 G.H: 12.60					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	28.23			
	Not Compacted				
Strip sod		8.34	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



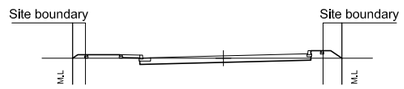
NO.15 F.H: 14.72 G.H: 12.60					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	26.95			
	Not Compacted				
Strip sod		8.02	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



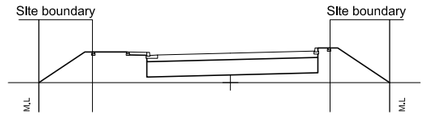
NO.22 F.H: 14.90 G.H: 12.84					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	28.24			
	Not Compacted				
Strip sod		8.49	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.21 F.H: 14.87 G.H: 12.33					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	37.18			
	Not Compacted				
Strip sod		9.71	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

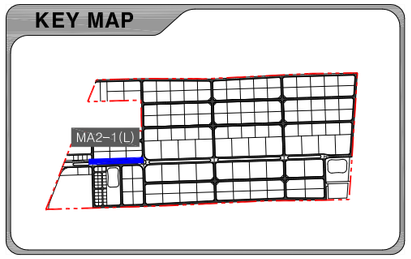


NO.20 F.H: 14.85 G.H: 14.70					
Embankment	Subgrade	10.59	Excavation	Soil	2.76
	Sub-base	1.62			
	Not Compacted				
Strip sod		1.28	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.19 F.H: 14.82 G.H: 12.90					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	23.12			
	Not Compacted				
Strip sod		7.68	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

KEY MAP



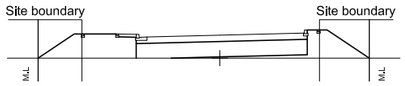
LEGEND

SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

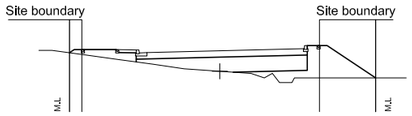
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(2/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

ROAD CROSS SECTION(3/8)

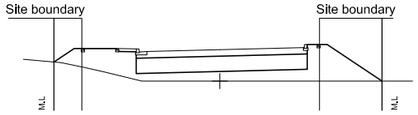
MA2-1(L)



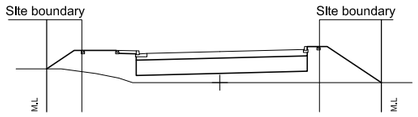
NO.26 F.H: 15.00 G.H: 13.50					
Embankment	Subgrade	11.10	Excavation	Soil	
	Sub-base	13.75			
	Not Compacted				
Strip sod		6.15	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



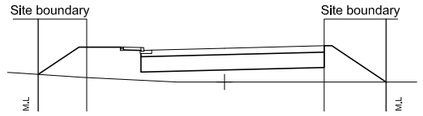
NO.25 F.H: 14.97 G.H: 13.64					
Embankment	Subgrade	8.89	Excavation	Soil	
	Sub-base	9.65			
	Not Compacted				
Strip sod		4.18	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



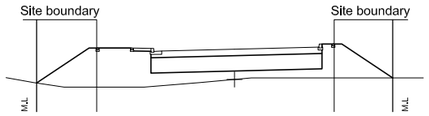
NO.24 F.H: 14.95 G.H: 12.90					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	21.00			
	Not Compacted				
Strip sod		5.89	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



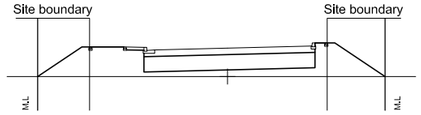
NO.23 F.H: 14.92 G.H: 12.90					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	21.47			
	Not Compacted				
Strip sod		6.42	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



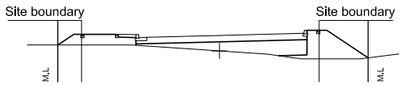
NO.30 F.H: 15.10 G.H: 12.90					
Embankment	Subgrade	11.96	Excavation	Soil	
	Sub-base	25.36			
	Not Compacted				
Strip sod		7.46	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



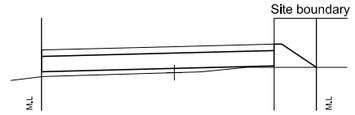
NO.29 F.H: 15.07 G.H: 13.10					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	28.01			
	Not Compacted				
Strip sod		8.10	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



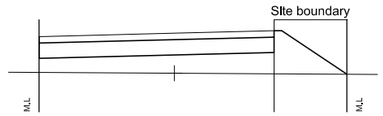
NO.28 F.H: 15.05 G.H: 13.20					
Embankment	Subgrade	11.16	Excavation	Soil	
	Sub-base	21.44			
	Not Compacted				
Strip sod		7.41	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.27 F.H: 15.02 G.H: 14.02					
Embankment	Subgrade	6.67	Excavation	Soil	
	Sub-base	8.08			
	Not Compacted				
Strip sod		4.50	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

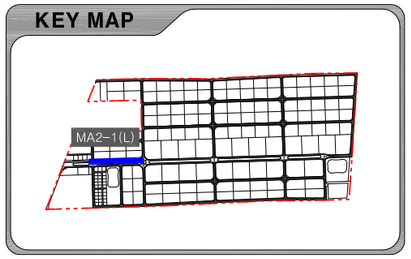


NO.31+18.68 F.H: 15.15 G.H: 13.45					
Embankment	Subgrade	15.17	Excavation	Soil	
	Sub-base	6.10			
	Not Compacted				
Strip sod		2.72	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.31 F.H: 15.13 G.H: 12.52					
Embankment	Subgrade	15.33	Excavation	Soil	
	Sub-base	25.04			
	Not Compacted				
Strip sod		5.11	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

KEY MAP



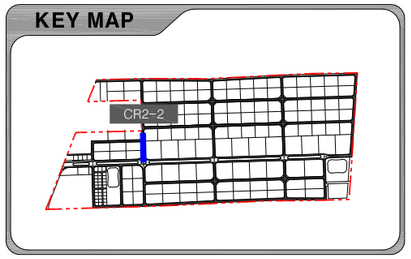
LEGEND

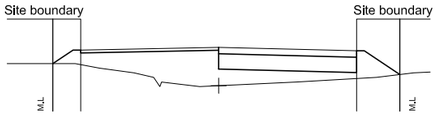
SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(3/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

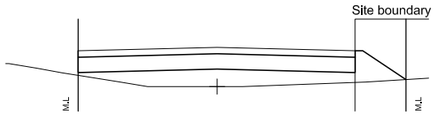
ROAD CROSS SECTION(4/8)

CR2-2

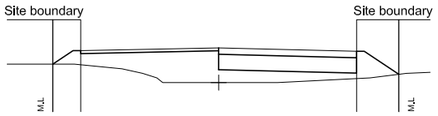




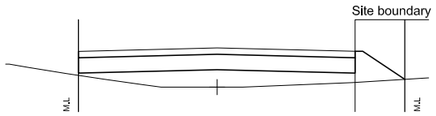
NO.0+12.00 F.H: 15.16 G.H: 12.66				
Embankment	Subgrade	9.00	Excavation	Soil
	Sub-base	25.78		
	Not Compacted			
Strip sod		4.38	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



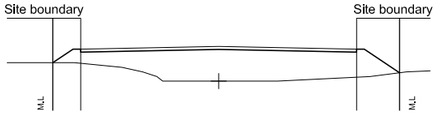
NO.1 F.H: 15.16 G.H: 12.60				
Embankment	Subgrade	18.07	Excavation	Soil
	Sub-base	19.78		
	Not Compacted			
Strip sod		3.38	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



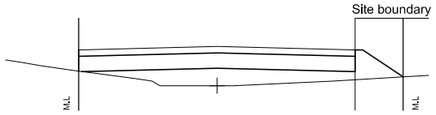
NO.0+10.00 F.H: 15.16 G.H: 12.90				
Embankment	Subgrade	9.00	Excavation	Soil
	Sub-base	23.36		
	Not Compacted			
Strip sod		4.29	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



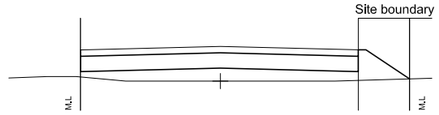
NO.0+18.50 F.H: 15.16 G.H: 12.60				
Embankment	Subgrade	18.05	Excavation	Soil
	Sub-base	19.14		
	Not Compacted			
Strip sod		3.30	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



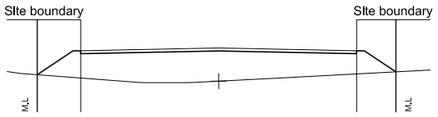
NO.0+10.00 F.H: 15.16 G.H: 12.90				
Embankment	Subgrade		Excavation	Soil
	Sub-base	34.75		
	Not Compacted			
Strip sod		4.36	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



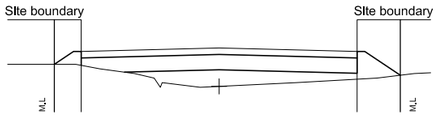
NO.0+16.25 F.H: 15.16 G.H: 12.60				
Embankment	Subgrade	18.04	Excavation	Soil
	Sub-base	17.43		
	Not Compacted			
Strip sod		3.16	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



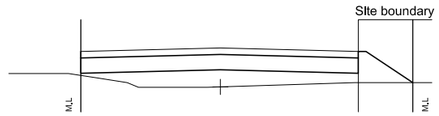
NO.1+7.10 F.H: 15.16 G.H: 12.90				
Embankment	Subgrade	18.13	Excavation	Soil
	Sub-base	16.61		
	Not Compacted			
Strip sod		3.42	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



NO.0 F.H: 15.16 G.H: 13.00				
Embankment	Subgrade		Excavation	Soil
	Sub-base	37.13		
	Not Compacted			
Strip sod		5.29	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



NO.0+12.00 F.H: 15.16 G.H: 12.66				
Embankment	Subgrade	17.32	Excavation	Soil
	Sub-base	15.10		
	Not Compacted			
Strip sod		4.29	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



NO.1+3.75 F.H: 15.16 G.H: 12.63				
Embankment	Subgrade	18.10	Excavation	Soil
	Sub-base	19.46		
	Not Compacted			
Strip sod		3.67	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			

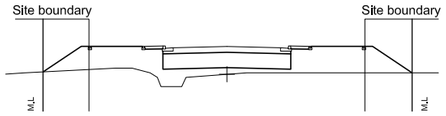
LEGEND

SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

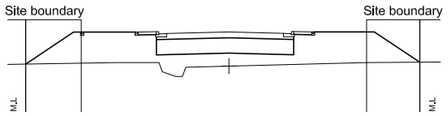
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(4/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

ROAD CROSS SECTION(5/8)

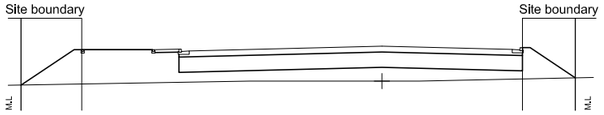
CR2-2



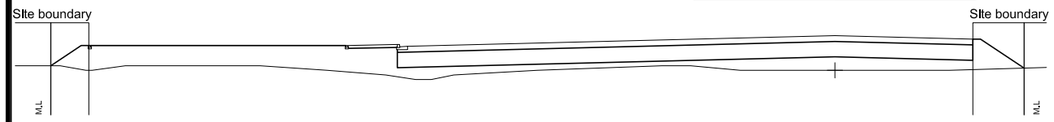
NO.4 F.H: 15.22 G.H: 13.40					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	25.47			
	Not Compacted				
Strip sod		6.11	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



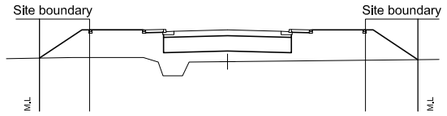
NO.3 F.H: 15.20 G.H: 12.97					
Embankment	Subgrade	8.96	Excavation	Soil	
	Sub-base	34.97			
	Not Compacted				
Strip sod		7.33	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



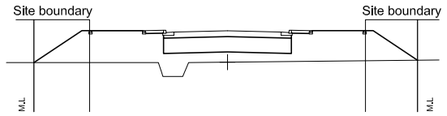
NO.2 F.H: 15.18 G.H: 12.90					
Embankment	Subgrade	22.41	Excavation	Soil	
	Sub-base	39.06			
	Not Compacted				
Strip sod		7.71	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



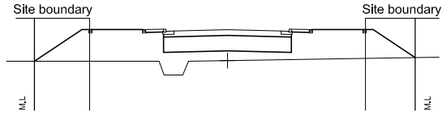
NO.1+7.10 F.H: 15.16 G.H: 12.90					
Embankment	Subgrade	37.55	Excavation	Soil	
	Sub-base	57.71			
	Not Compacted				
Strip sod		5.80	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



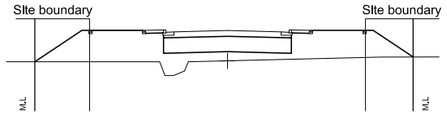
NO.7+17.13 F.H: 15.30 G.H: 13.23					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	32.12			
	Not Compacted				
Strip sod		6.84	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.7 F.H: 15.28 G.H: 13.23					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	33.86			
	Not Compacted				
Strip sod		7.25	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

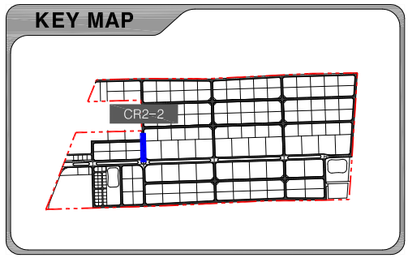


NO.6 F.H: 15.26 G.H: 13.24					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	32.66			
	Not Compacted				
Strip sod		7.02	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.5 F.H: 15.24 G.H: 13.26					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	31.20			
	Not Compacted				
Strip sod		6.82	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

KEY MAP



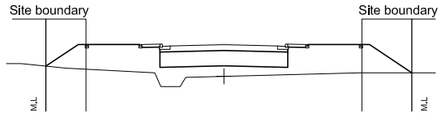
LEGEND

SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

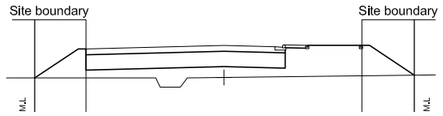
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(5/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

ROAD CROSS SECTION(6/8)

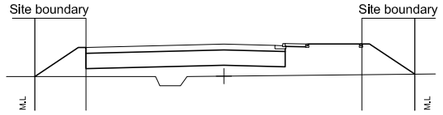
CR2-2



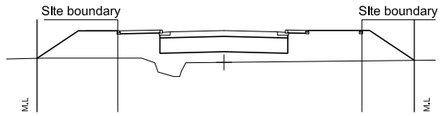
NO.9+16.34 F.H: 15.33 G.H:13.27					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	29.25			
	Not Compacted				
Strip sod		5.86	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



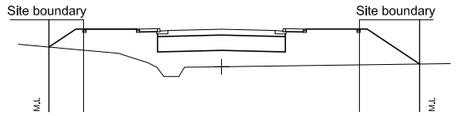
NO.9 F.H: 15.32 G.H:13.23					
Embankment	Subgrade	13.00	Excavation	Soil	
	Sub-base	26.46			
	Not Compacted				
Strip sod		6.93	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



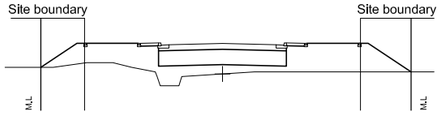
NO.8+16.77 F.H: 15.32 G.H:13.23					
Embankment	Subgrade	13.00	Excavation	Soil	
	Sub-base	26.56			
	Not Compacted				
Strip sod		6.96	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



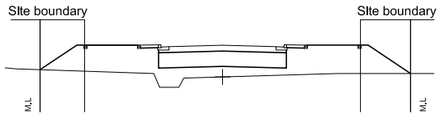
NO.8 F.H: 15.30 G.H:13.23					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	31.58			
	Not Compacted				
Strip sod		6.74	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.12 F.H: 15.38 G.H:12.93					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	35.61			
	Not Compacted				
Strip sod		6.23	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

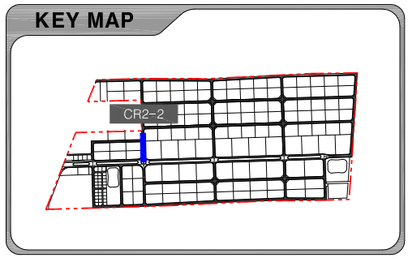


NO.11 F.H: 15.36 G.H:13.37					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	27.06			
	Not Compacted				
Strip sod		6.19	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.10 F.H: 15.34 G.H:13.28					
Embankment	Subgrade	8.34	Excavation	Soil	
	Sub-base	29.63			
	Not Compacted				
Strip sod		6.21	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

KEY MAP



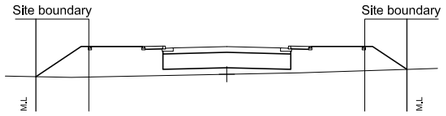
LEGEND

SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

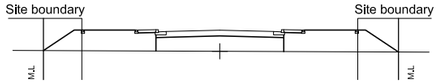
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(6/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

ROAD CROSS SECTION(7/8)

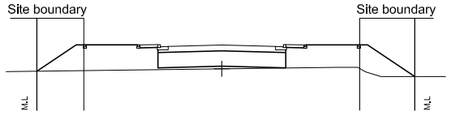
CR2-16



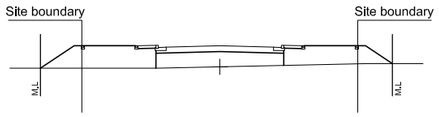
NO.14 F.H: 15.21 G.H: 13.40				
Embankment	Subgrade	8.34	Excavation	Soil
	Sub-base	26.50		
	Not Compacted			
Strip sod		6.26	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



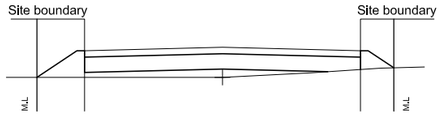
NO.13 F.H: 15.23 G.H: 13.85				
Embankment	Subgrade	7.90	Excavation	Soil
	Sub-base	17.09		
	Not Compacted			
Strip sod		5.00	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



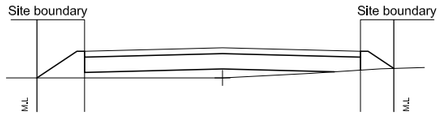
NO.12 F.H: 15.25 G.H: 13.70				
Embankment	Subgrade	8.34	Excavation	Soil
	Sub-base	22.35		
	Not Compacted			
Strip sod		6.80	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



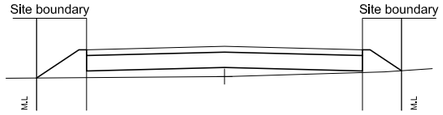
NO.11+9.12 F.H: 15.26 G.H: 13.89				
Embankment	Subgrade	7.84	Excavation	Soil
	Sub-base	16.44		
	Not Compacted			
Strip sod		4.76	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



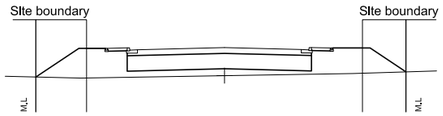
NO.16+6.17 F.H: 15.16 G.H: 13.20				
Embankment	Subgrade	17.79	Excavation	Soil
	Sub-base	10.52		
	Not Compacted			
Strip sod		5.14	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



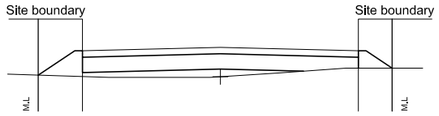
NO.16+6.17 F.H: 15.16 G.H: 13.20				
Embankment	Subgrade	17.87	Excavation	Soil
	Sub-base	11.17		
	Not Compacted			
Strip sod		5.14	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



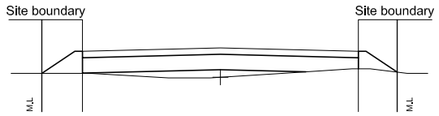
NO.16 F.H: 15.17 G.H: 13.20				
Embankment	Subgrade	18.00	Excavation	Soil
	Sub-base	13.47		
	Not Compacted			
Strip sod		5.78	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



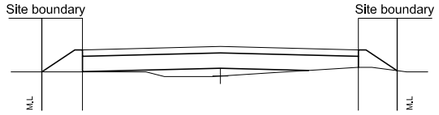
NO.15 F.H: 15.19 G.H: 13.36				
Embankment	Subgrade	12.02	Excavation	Soil
	Sub-base	21.12		
	Not Compacted			
Strip sod		6.18	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



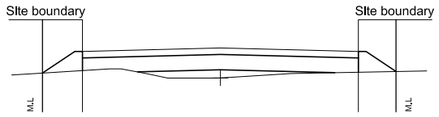
NO.17 F.H: 15.16 G.H: 13.24				
Embankment	Subgrade	17.41	Excavation	Soil
	Sub-base	9.50		
	Not Compacted			
Strip sod		4.91	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



NO.16+15.58 F.H: 15.16 G.H: 13.24				
Embankment	Subgrade	17.47	Excavation	Soil
	Sub-base	8.27		
	Not Compacted			
Strip sod		5.03	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			

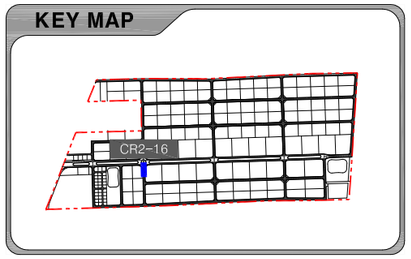


NO.16+13.83 F.H: 15.16 G.H: 13.23				
Embankment	Subgrade	17.53	Excavation	Soil
	Sub-base	7.82		
	Not Compacted			
Strip sod		5.03	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			



NO.16+10.01 F.H: 15.16 G.H: 13.21				
Embankment	Subgrade	17.29	Excavation	Soil
	Sub-base	7.81		
	Not Compacted			
Strip sod		4.89	Bed Excavation	Soil
Block sod				
Refilling	Subgrade			
	Sub-base			

KEY MAP



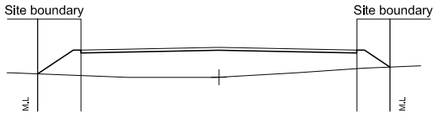
LEGEND

SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

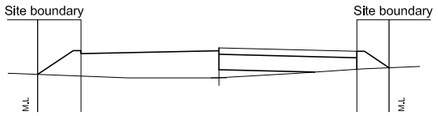
KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(7/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

ROAD CROSS SECTION(8/8)

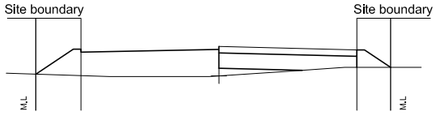
CR2-16



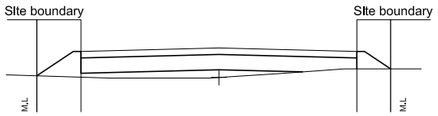
NO.17+2.08 F.H: 15.16 G.H: 13.21					
Embankment	Subgrade		Excavation	Soil	
	Sub-base	31.85			
	Not Compacted				
Strip sod		4.79	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



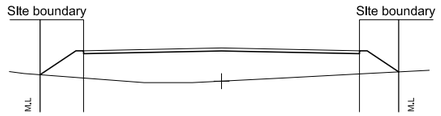
NO.17+2.08 F.H: 15.16 G.H: 13.21					
Embankment	Subgrade	8.65	Excavation	Soil	
	Sub-base	20.83			
	Not Compacted				
Strip sod		4.71	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.17+0.08 F.H: 15.16 G.H: 13.24					
Embankment	Subgrade	8.42	Excavation	Soil	
	Sub-base	20.90			
	Not Compacted				
Strip sod		4.99	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

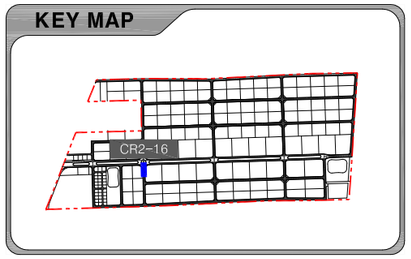


NO.17+0.08 F.H: 15.16 G.H: 13.24					
Embankment	Subgrade	17.42	Excavation	Soil	
	Sub-base	9.50			
	Not Compacted				
Strip sod		4.90	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				



NO.17+10.08 F.H: 15.16 G.H: 13.00					
Embankment	Subgrade		Excavation	Soil	
	Sub-base	37.13			
	Not Compacted				
Strip sod		5.29	Bed Excavation	Soil	
Block sod					
Refilling	Subgrade				
	Sub-base				

KEY MAP



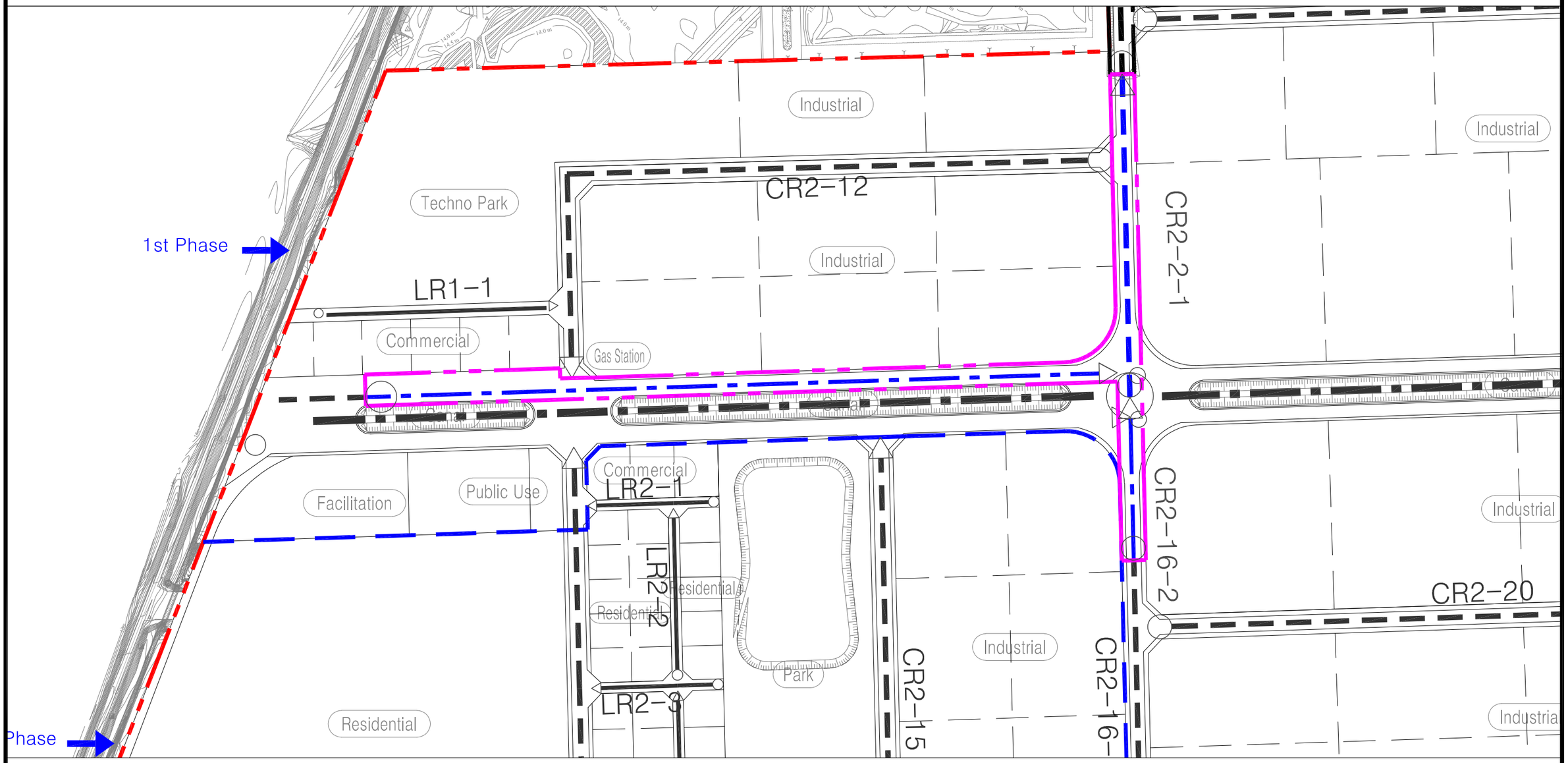
LEGEND

SYMBOL	TYPE	REMARK
M.L	MATCH LINE	

KMIC	KMIC Development Co., Ltd.	WORK TYPE : EARTH WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Preliminary Works of KMIC	TITLE : ROAD CROSS SECTION(8/8)	Han, Seung Sik	Koo, Jeong Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 200		

03. ROAD AND PAVEMENT

ROAD HIERARCHIES



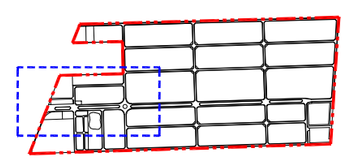
N
S

GRAPHIC SCALE
50m 0 50 100 150
SCALE = 1 : 2,000

NOTE

1.This design can be changed or modified considering detail survey result of the site or condition changes in the future.

KEY MAP

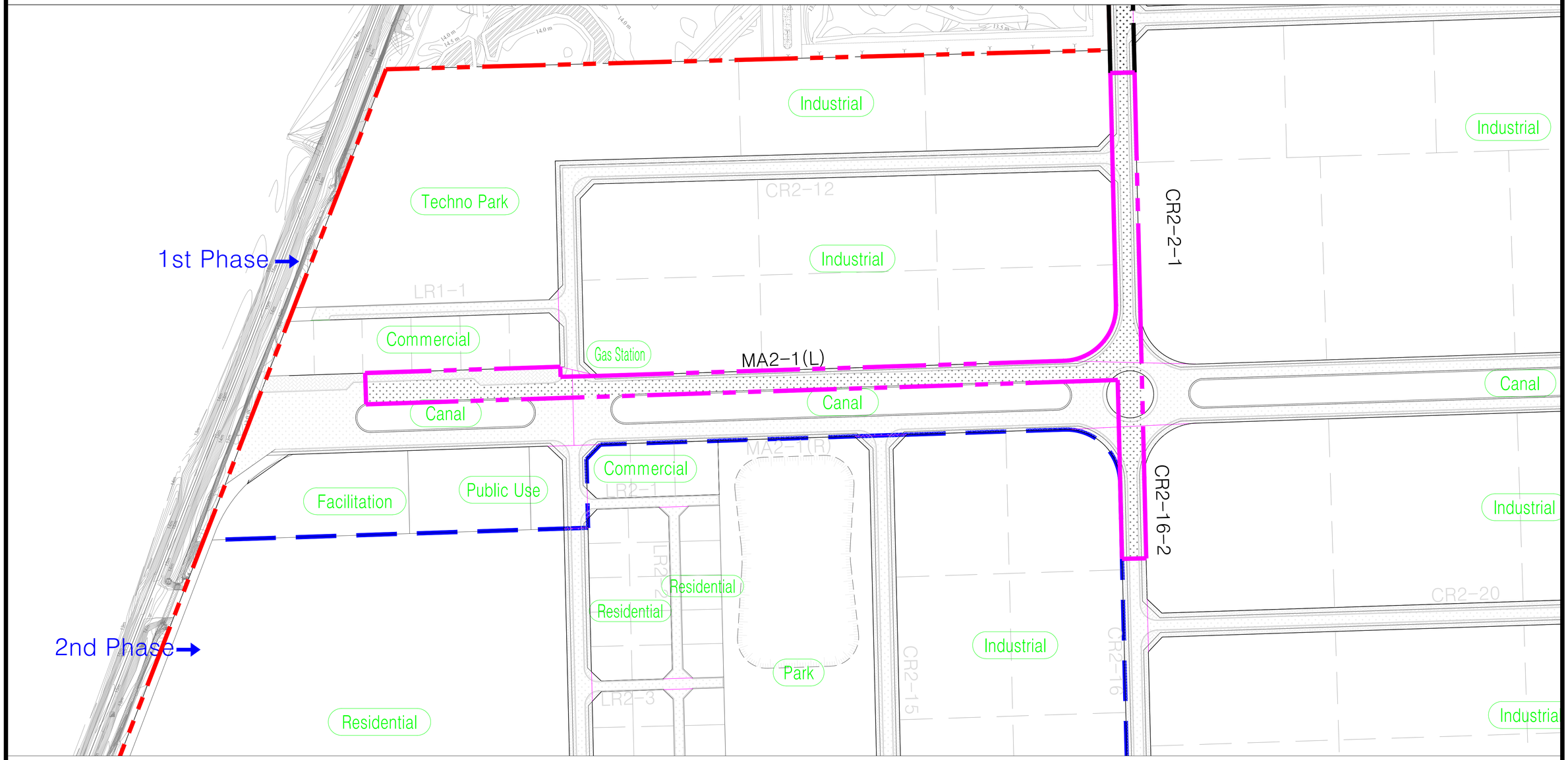


LEGEND

ROAD NAME	HIERARCHY	REMARK
MA	Main Arterial Road	
SA	Sub Arterial Road	
CR	Collector Road	
LR	Local Road	

KMIC	KMIC Development Co., Ltd.	WORK TYPE : ROAD AND PAVEMENT	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
	Small Scale Construction Works of KMIC	TITLE : ROAD HIERARCHIES	DESIGNED BY Jung, Dae An	CHECKED BY Moon, Sung Hyun	APPROVED BY Hong, Doo Sun	General Manager Lee, Chang Min	August 2025	S = 1 : 1,500		

PAVEMENT PLAN



GRAPHIC SCALE

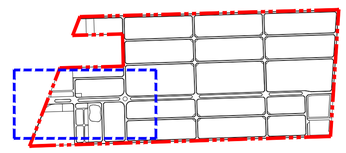
50m 0 50 100 150

SCALE = 1 : 2,000

NOTE

1.This design can be changed or modified considering detail survey result of the site or condition changes in the future.

KEY MAP



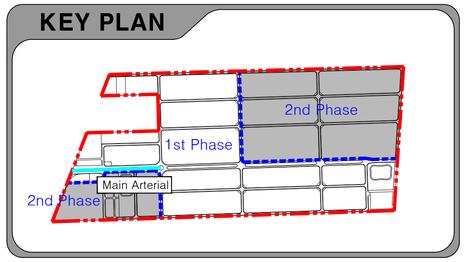
LEGEND

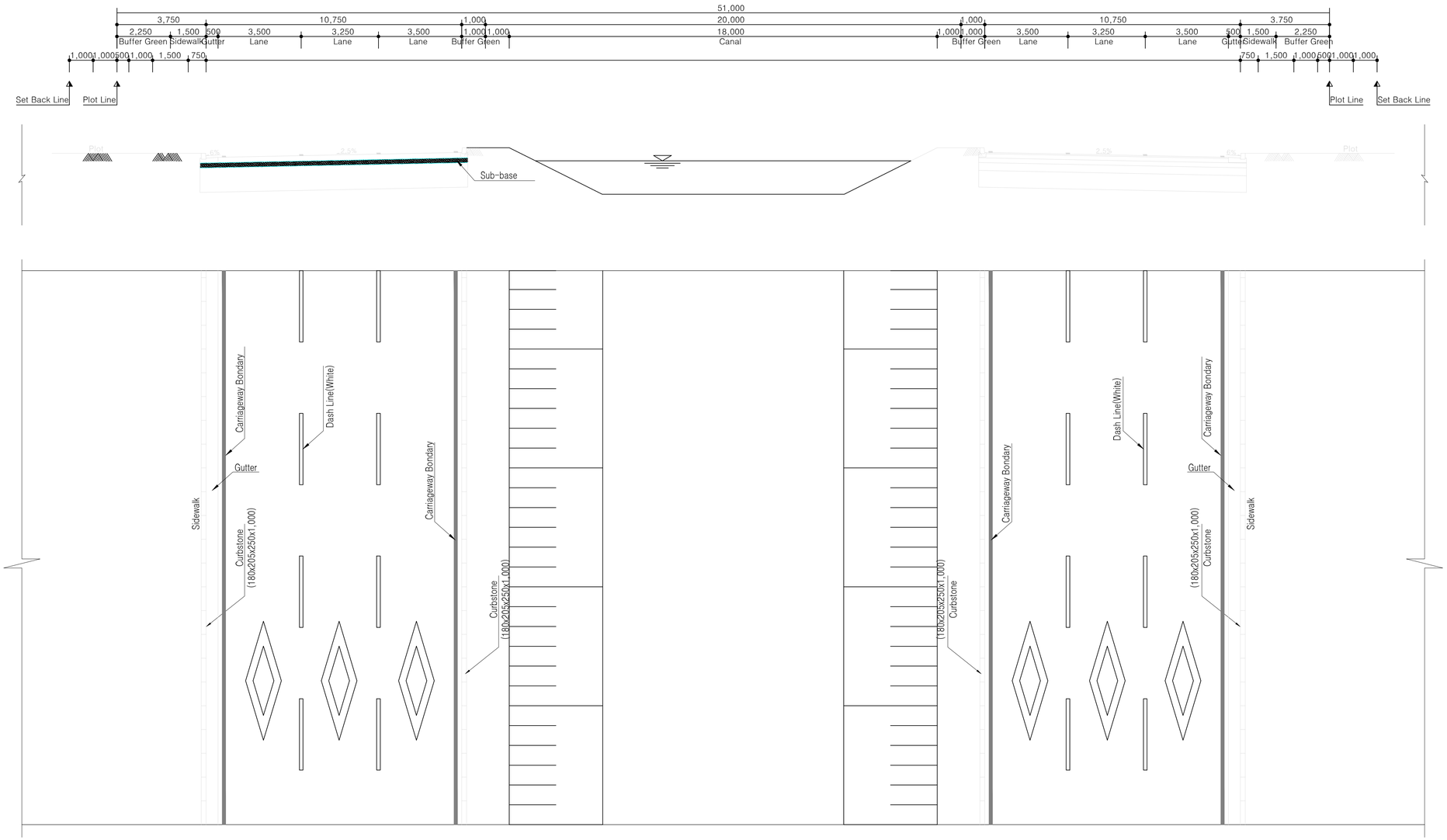
CLASSIFICATION	SIGNS	REMARK
CARRIAGEWAY		Rigid Pavement
SIDEWALK		ILP
BUFFER GREEN		Planting

KMIC	KMIC Development Co., Ltd.	WORK TYPE : ROAD AND PAVEMENT	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Small Scale Construction Works of KMIC	TITLE : PAVEMENT PLAN	Jung, Dae An	Moon, Sung Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 1,500		

TYPICAL CROSS SECTION(1/2)

S = 1 : 100





(MAIN ARTERIAL 51M)

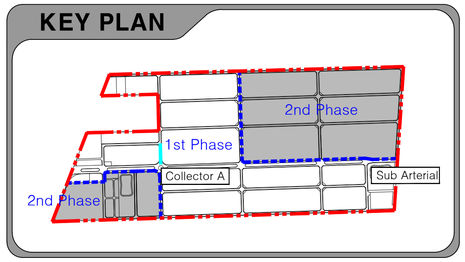
NOTE

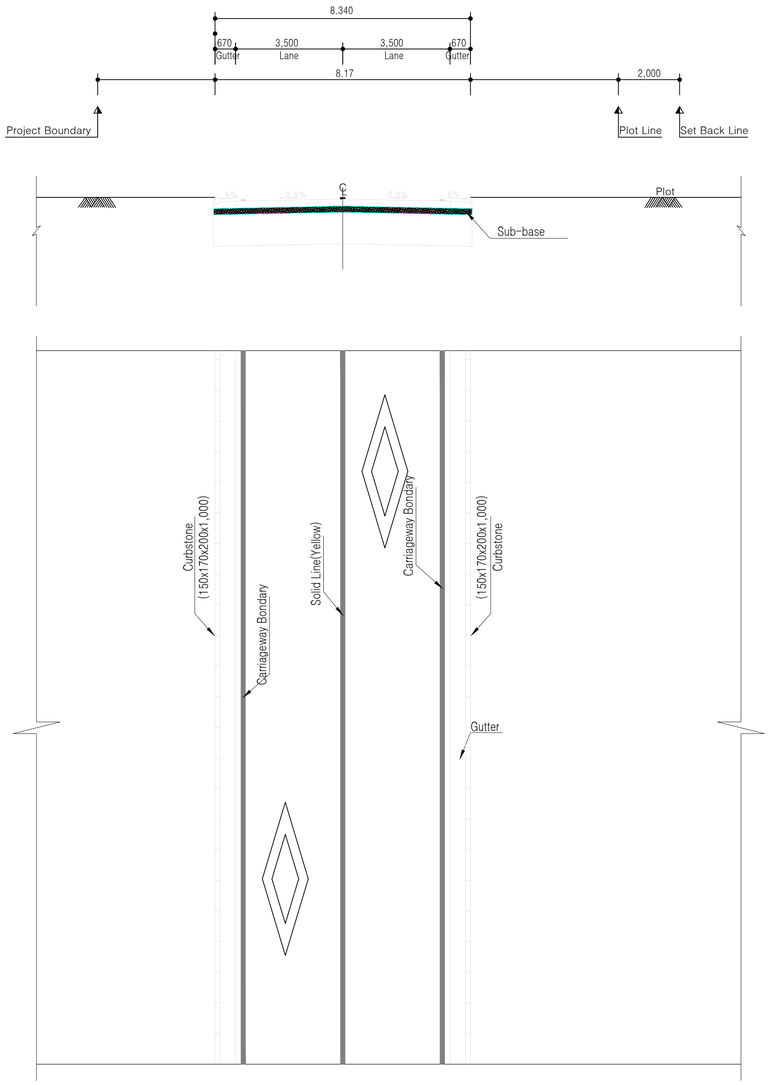
1. Main Arterial Road area is applied underground power line.

KMIC	KMIC Development Co., Ltd.	WORK TYPE : ROAD AND PAVEMENT	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Small Scale Construction Works of KMIC	TITLE : TYPICAL CROSS SECTION(1/2)	Jung, Dae An	Moon, Sung Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 100		

TYPICAL CROSS SECTION(2/2)

S = 1 : 100





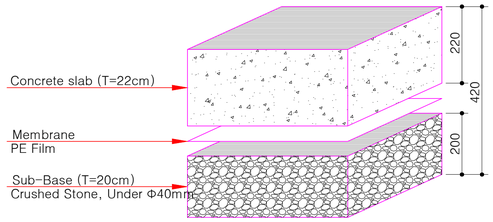
(COLLECTOR ROAD A 18M-1)

KMIC	KMIC Development Co., Ltd.	WORK TYPE : ROAD AND PAVEMENT	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Small Scale Construction Works of KMIC	TITLE : TYPICAL CROSS SECTION(2/2)	Jung, Dae An	Moon, Sung Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = 1 : 100		

ROAD PAVEMENT PROFILE S = NONE

S = NONE

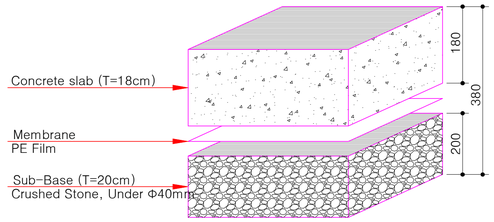
Main, Sub Arterial
(T=420mm)



Material List

Subject	Size	Remark
Surface Course	Remicon, 25-30-10	
Membrane	PE Film	
Sub-Base	Crushed Stone, Under Φ40mm	

Collector, Local
(T=380mm)



Material List

Subject	Size	Remark
Surface Course	Remicon, 25-30-10	
Membrane	PE Film	
Sub-Base	Crushed Stone, Under Φ40mm	

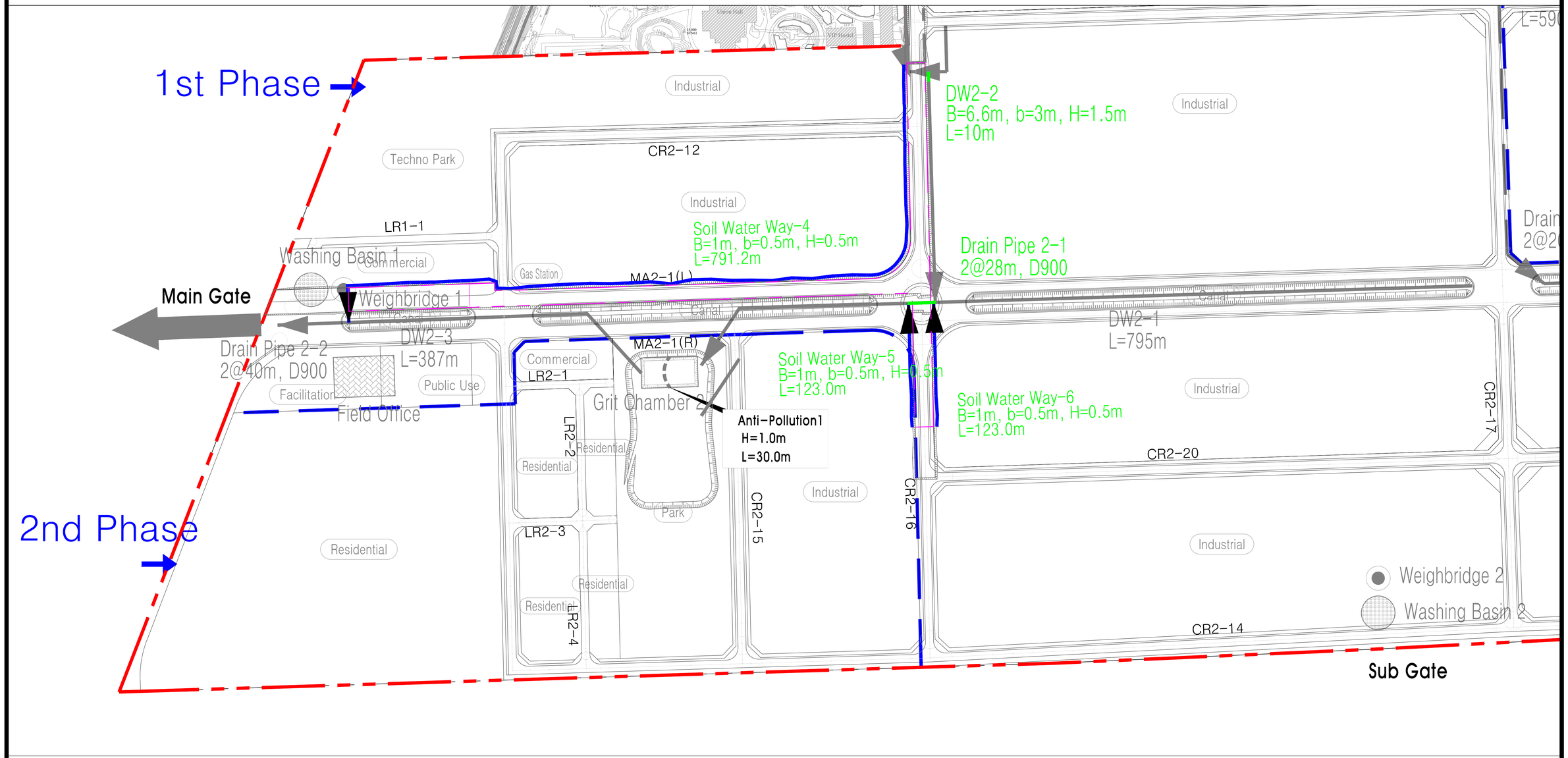
NOTE

1. After prior consultation with the supervisor, the materials, specifications, and performance can be changed to products (construction method) that have equal or higher
2. Concrete for paving shall be supplied from the on-site plant or as ready-mix concrete, or partially or entirely mixed in a truck mixer
3. The quality tests for the compressive strength, slump, air content, and salt content of concrete follow the related test regulations(specifications)

KMIC	KMIC Development Co., Ltd.	WORK TYPE : ROAD AND PAVEMENT	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
			DESIGNED BY	CHECKED BY	APPROVED BY	General Manager				
	Small Scale Construction Works of KMIC	TITLE : ROAD PAVEMENT PROFILE	Jung, Dae An	Moon, Sung Hyun	Hong, Doo Sun	Lee, Chang Min	August 2025	S = NONE		

04. MISCELLANEOUS WORK

MISCELLANEOUS PLAN



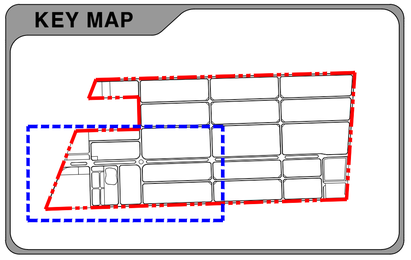
N
S

GRAPHIC SCALE
100m 0 100 200 300
SCALE = 1 : 2,000

NOTE

1.This design can be changed or modified considering detail survey result of the site or condition changes in the future.

KEY MAP



LEGEND

CLASSIFICATION	SYMBOL	REMARK
DIVERSION WATER WAY		
GRIT CHAMBER		1EA

KMIC	KMIC Development Co., Ltd.	WORK TYPE : MISCELLANEOUS WORK	Kyong Dong Engineering Co., Ltd. Korea Engineering Consultant Corp.			Project Supervisor	DATE	SCALE	DRAWING NO.	REV.
	Preliminary Works of KMIC	TITLE : MISCELLANEOUS PLAN	DESIGNED BY Han, Seung Sik	CHECKED BY Koo, Jeong Hyun	APPROVED BY Hong, Doo Sun	General Manager Lee, Chang Min	August 2025	S = 1 : 2,000		