

● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(41/56)

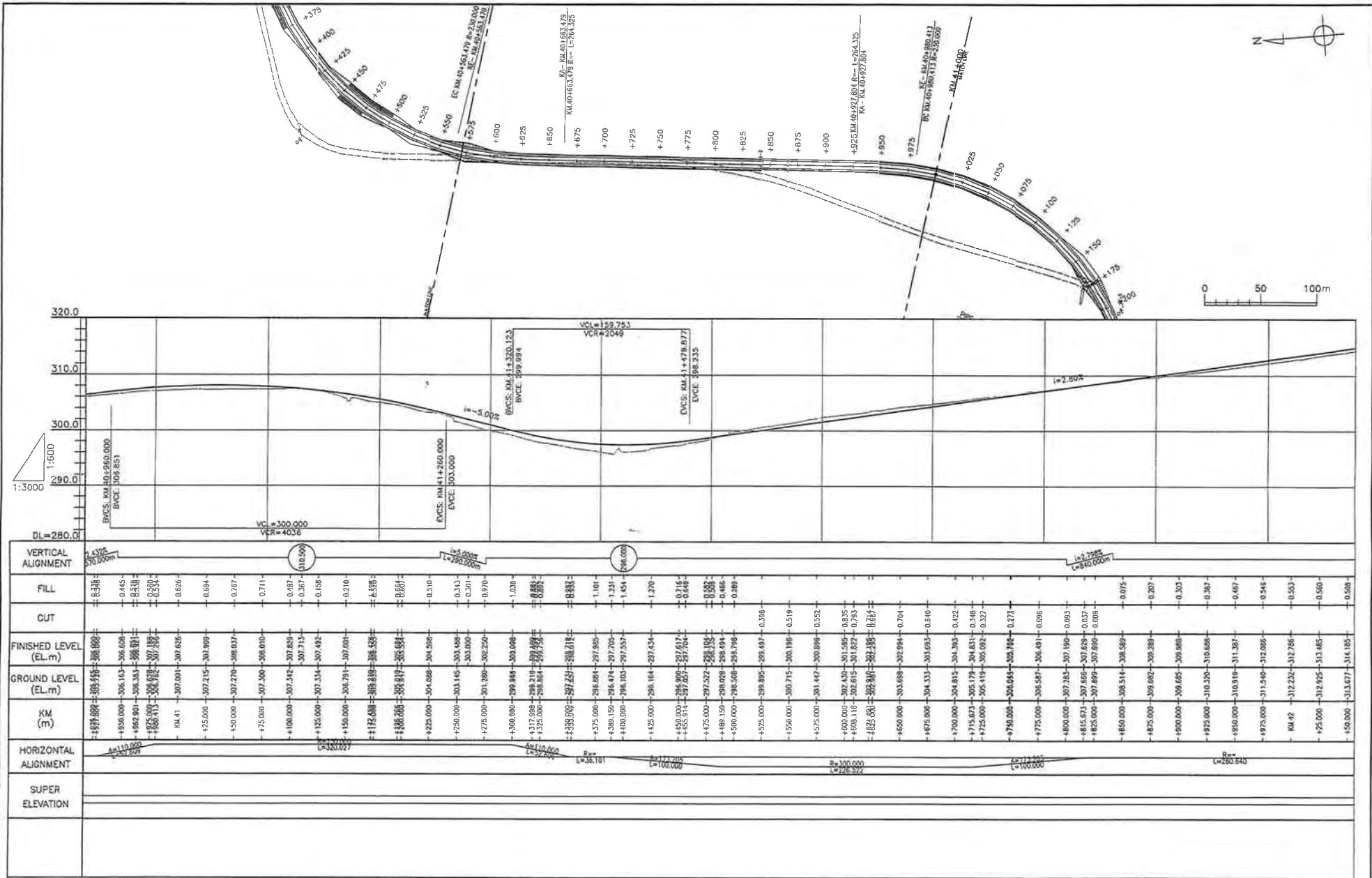
Date: Mar. 2007

DRAWING No.:

Prepared by:

MR DD E-41

Checked by:



● The Ministry of Infrastructure Development of United Republic of Tanzania
 ● Japan International Cooperation Agency

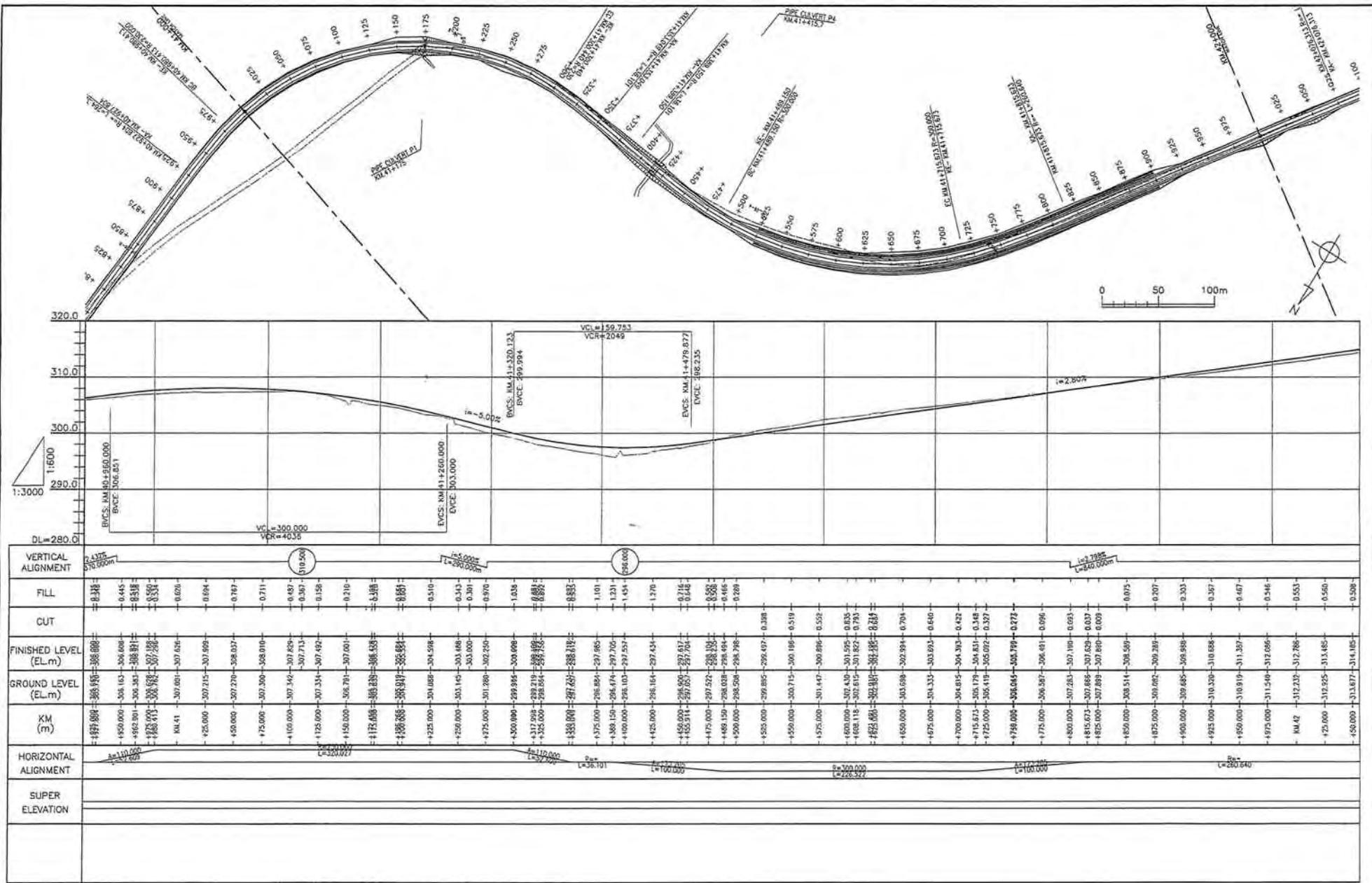
CONSULTANTS:
 Construction Project Consultants, Inc. (CPC)

PROJECT NAME:
 The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:
 PLAN & PROFILE(42/56)

Date: Mar. 2007
 Prepared by:
 Checked by:

DRAWING No.:
 MR DD E-42



● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(43/56)

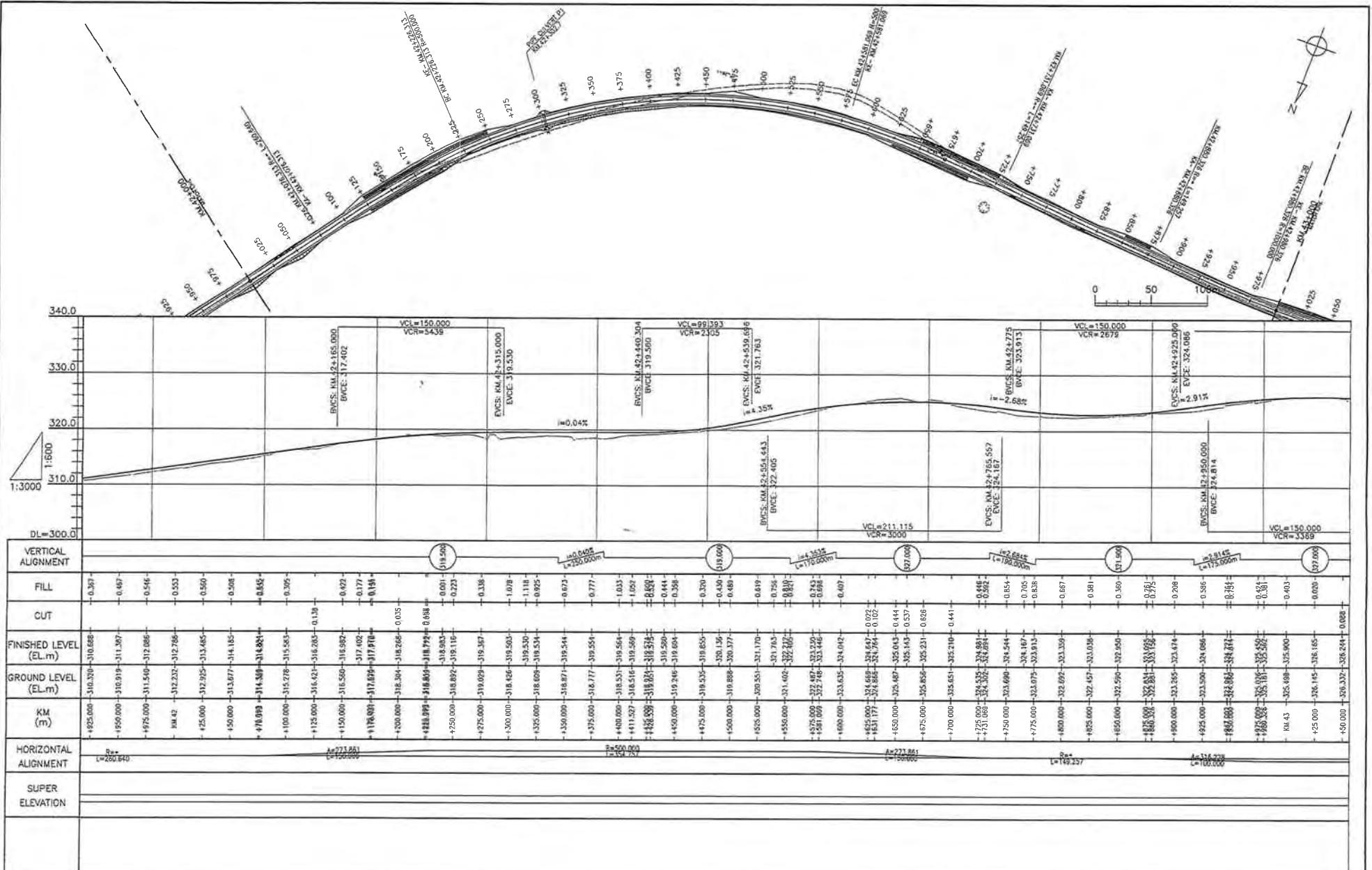
Date: Mar. 2007

DRAWING No.:

Prepared by:

MR DD E-43

Checked by:



● The Ministry of Infrastructure Development of United Republic of Tanzania
● Japan International Cooperation Agency

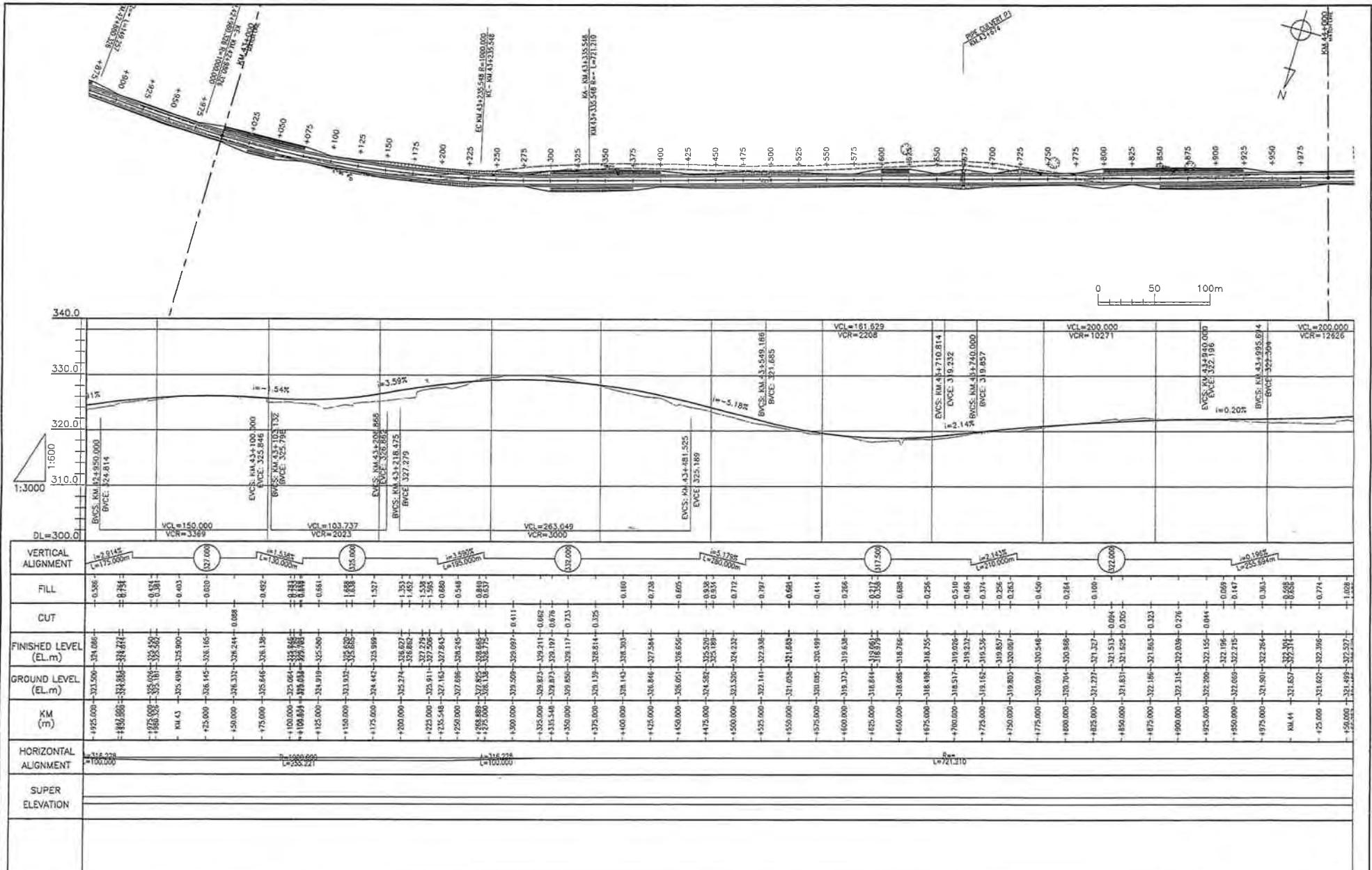
CONSULTANTS:
Construction Project Consultants, Inc. (CPC)

PROJECT NAME:
The Project for Upgrading Masasi-Mangaka Road

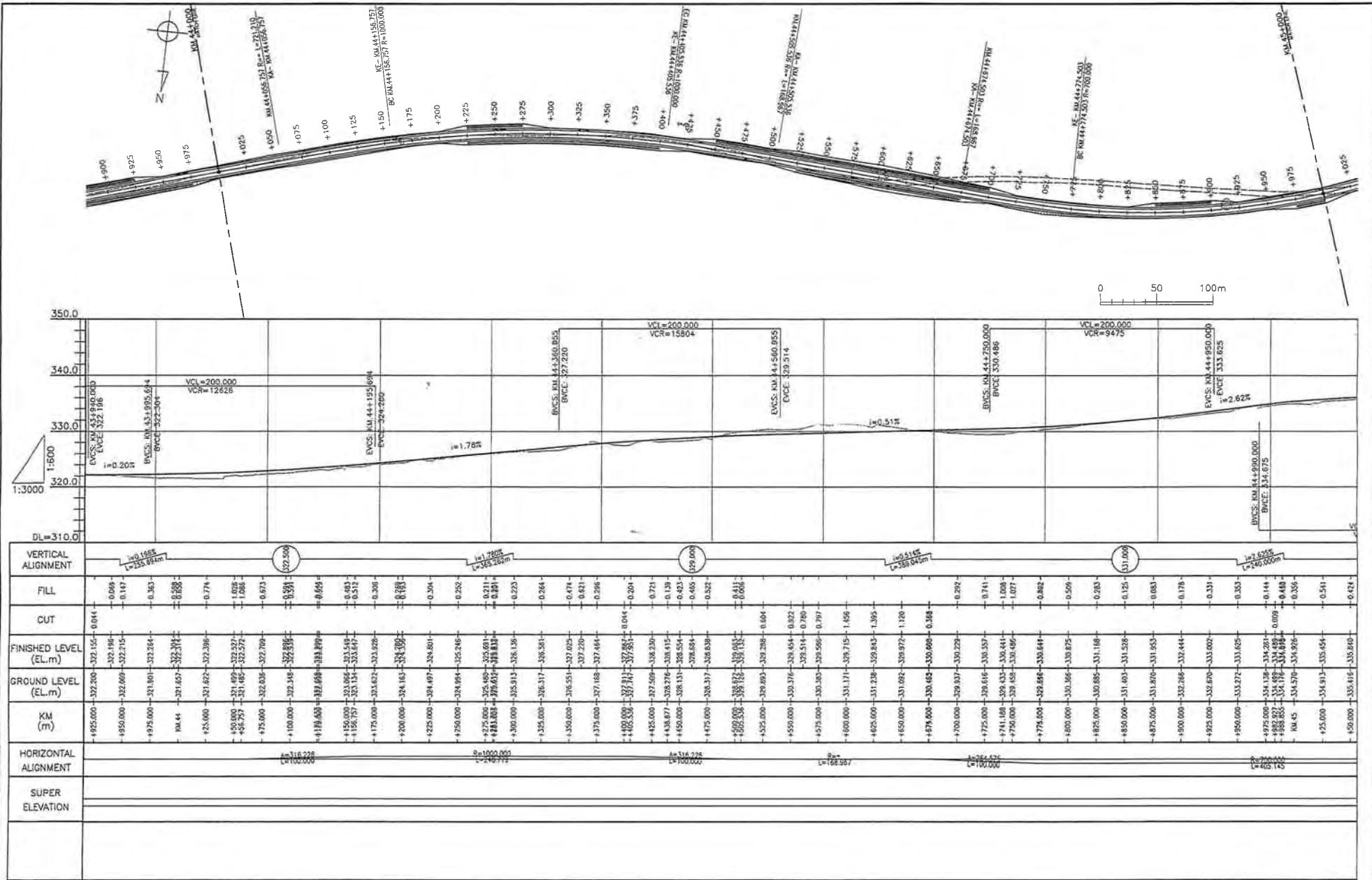
DRAWING TITLE:
PLAN & PROFILE(44/56)

Date: Mar. 2007
Prepared by:
Checked by:

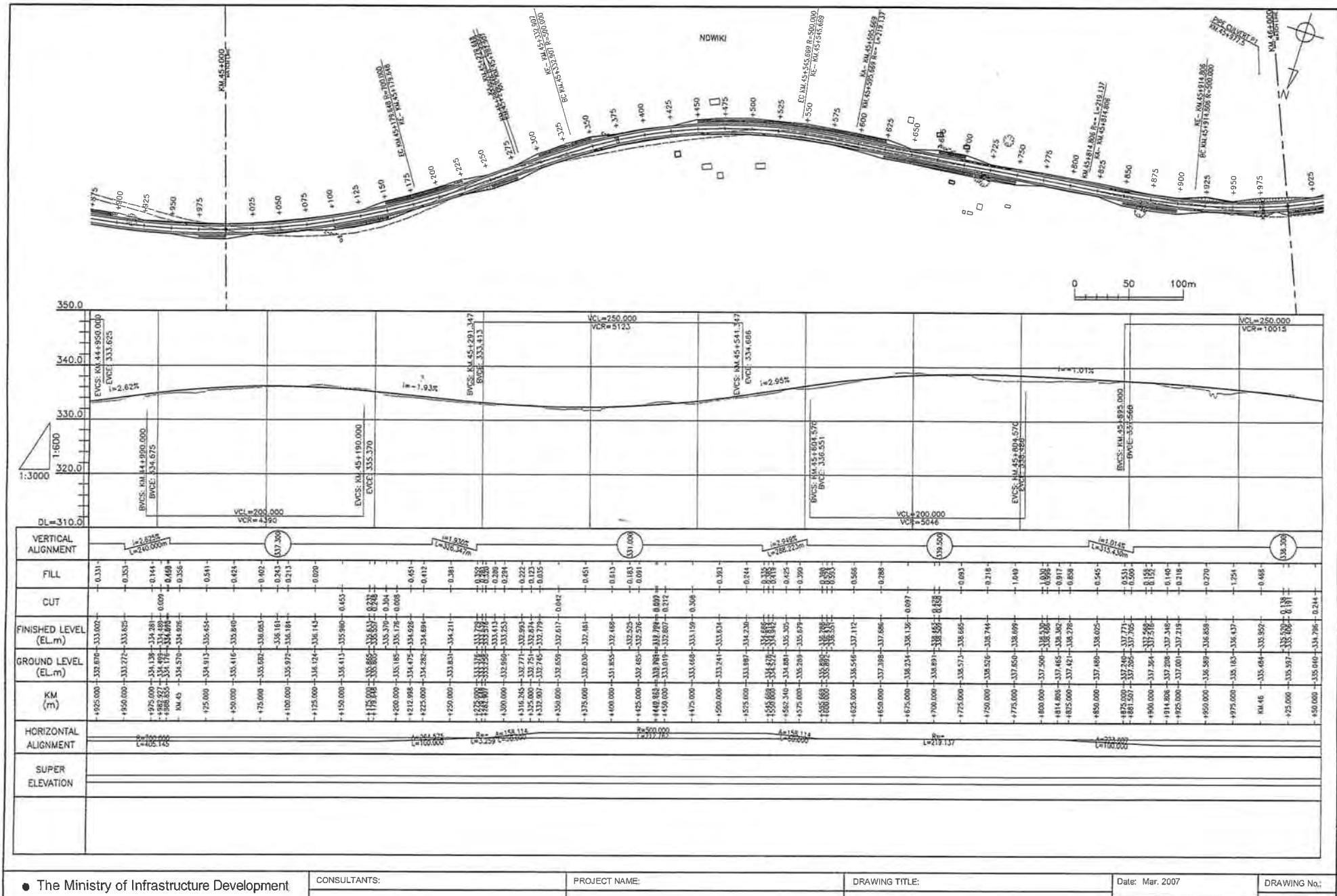
DRAWING No.:
MR DD E-44



● The Ministry of Infrastructure Development of United Republic of Tanzania ● Japan International Cooperation Agency	CONSULTANTS:	PROJECT NAME:	DRAWING TITLE:	Date: Mar. 2007	DRAWING No.:
	Construction Project Consultants, Inc. (CPC)	The Project for Upgrading Masasi-Mangaka Road	PLAN & PROFILE(45/56)	Prepared by:	
				Checked by:	MR DD E-45



● The Ministry of Infrastructure Development of United Republic of Tanzania ● Japan International Cooperation Agency	CONSULTANTS:	PROJECT NAME:	DRAWING TITLE:	Date: Mar. 2007	DRAWING No.:
	Construction Project Consultants, Inc. (CPC)	The Project for Upgrading Masasi-Mangaka Road	PLAN & PROFILE(46/56)	Prepared by:	
				Checked by:	MR DD E-46



● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(47/56)

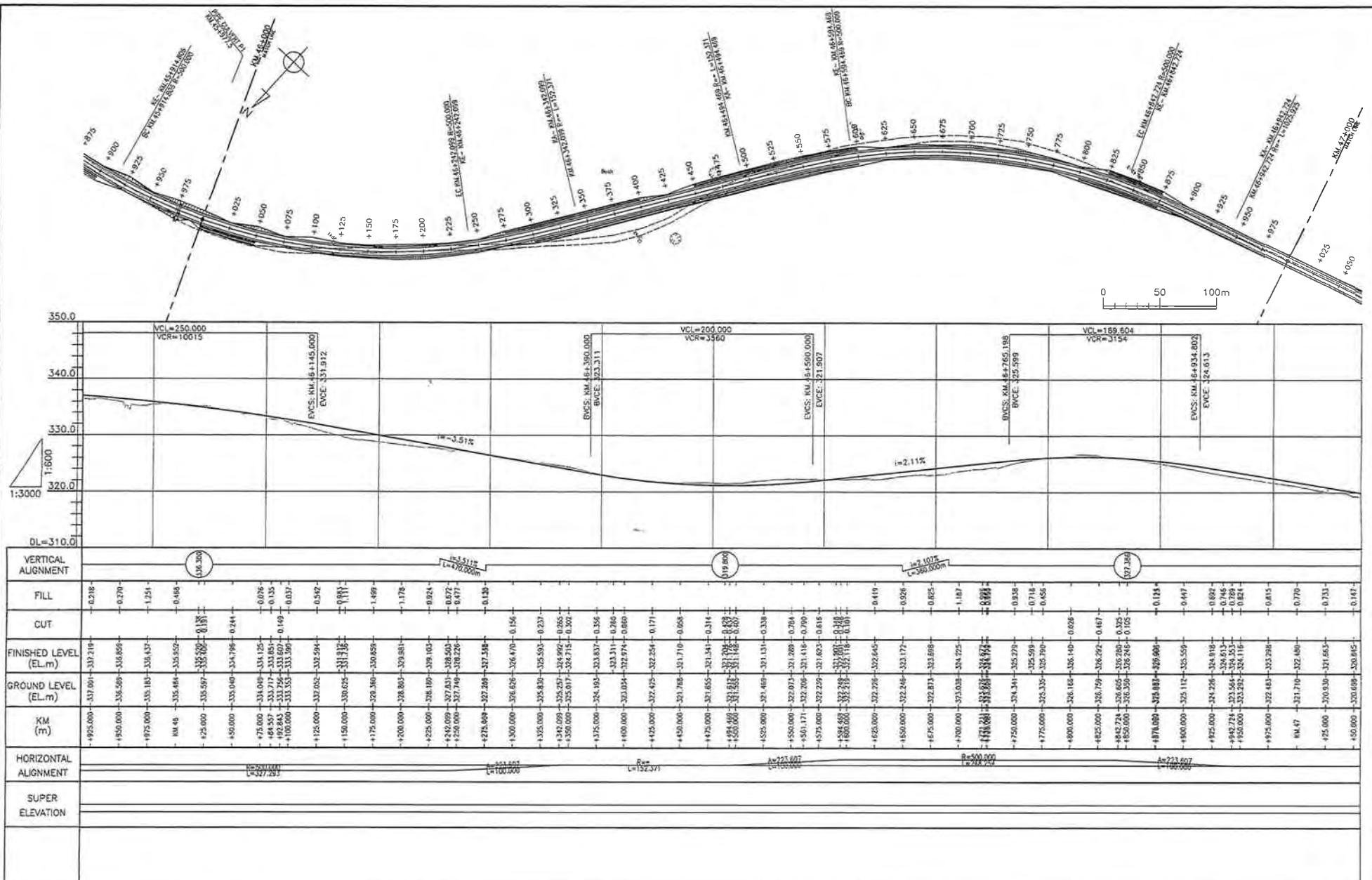
Date: Mar. 2007

Prepared by:

Checked by:

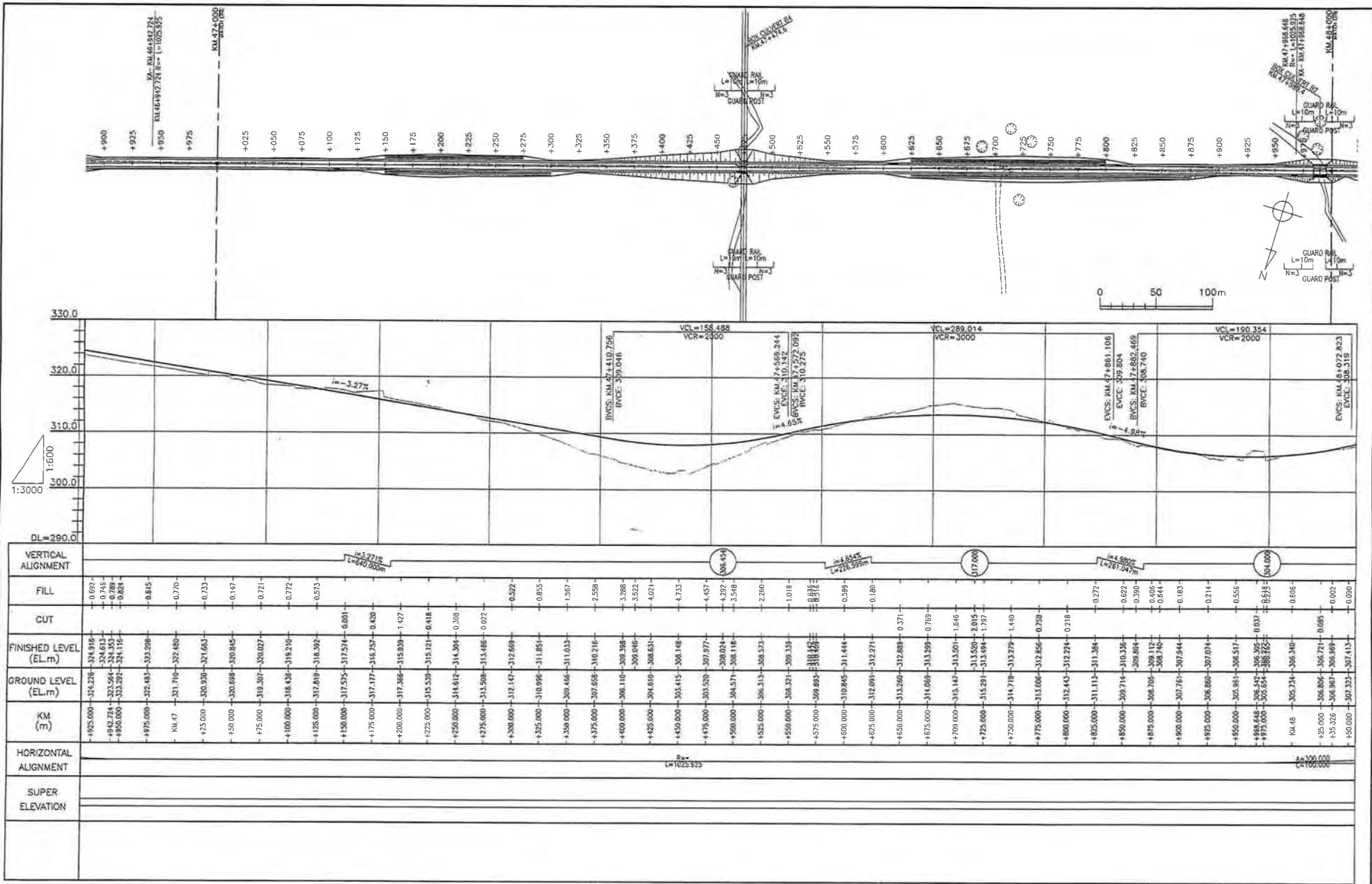
DRAWING No.:

MR DD E-47

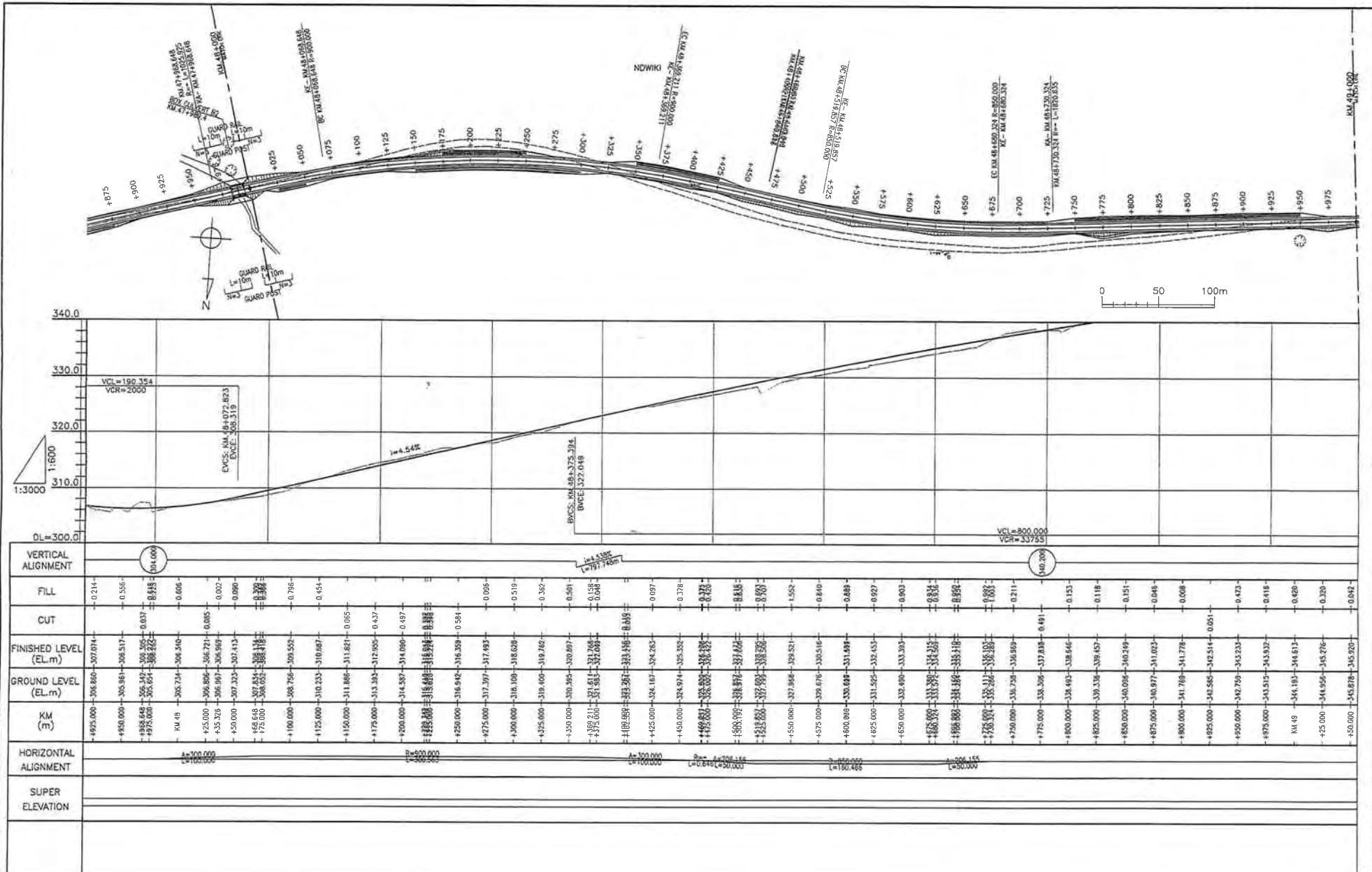


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● Japan International Cooperation Agency

CONSULTANTS:	PROJECT NAME:	DRAWING TITLE:	Date: Mar. 2007	DRAWING No.:
Construction Project Consultants, Inc. (CPC)	The Project for Upgrading Masasi-Mangaka Road	PLAN & PROFILE(48/56)	Prepared by: Checked by:	MR DD E-48



● The Ministry of Infrastructure Development of United Republic of Tanzania	CONSULTANTS:	PROJECT NAME:	DRAWING TITLE:	Date: Mar. 2007	DRAWING No.:
				Prepared by:	MR DD E-49
● Japan International Cooperation Agency	Construction Project Consultants, Inc. (CPC)	The Project for Upgrading Masasi-Mangaka Road	PLAN & PROFILE(49/56)		



● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(50/56)

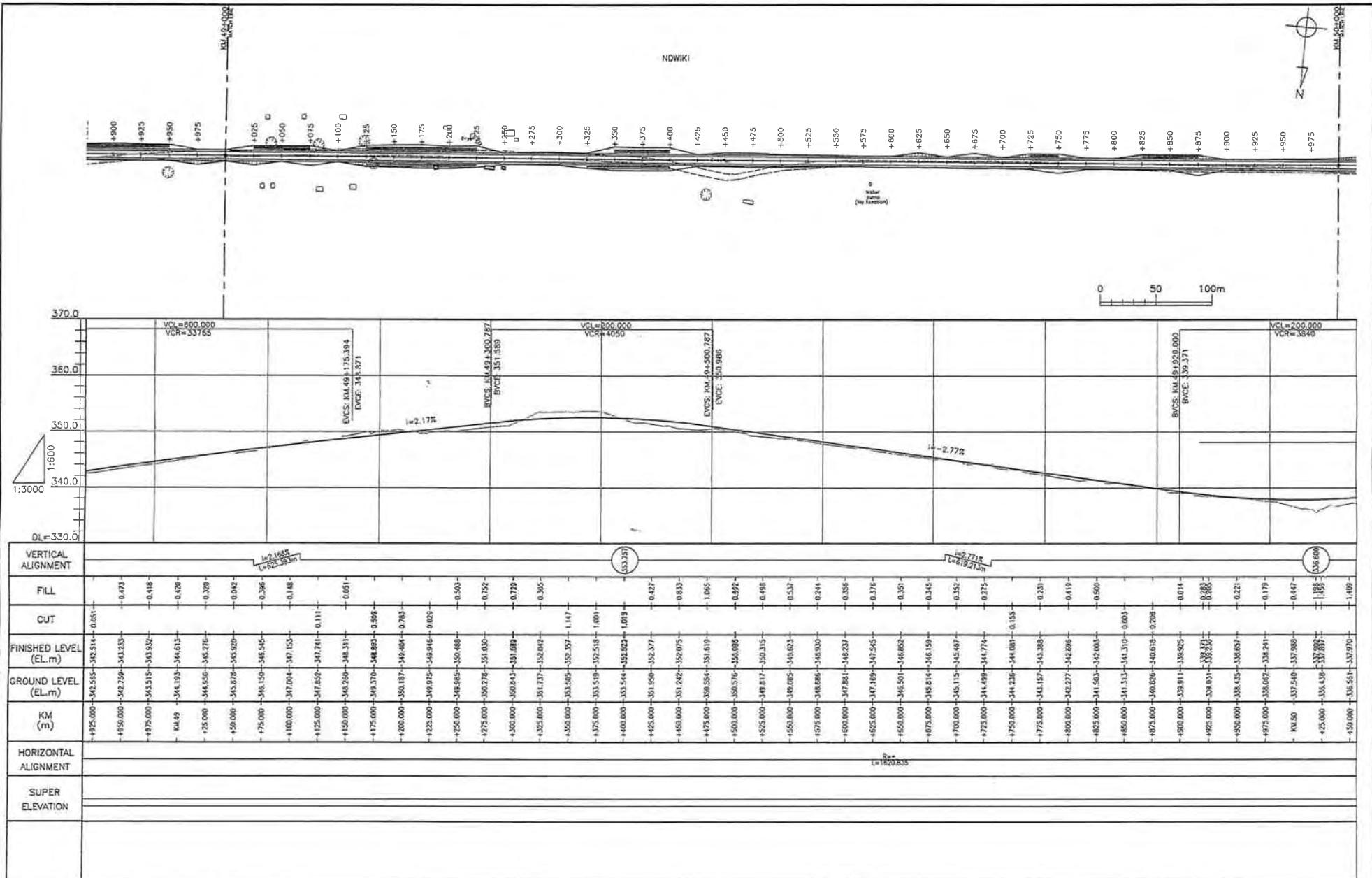
Date: Mar. 2007

DRAWING No.:

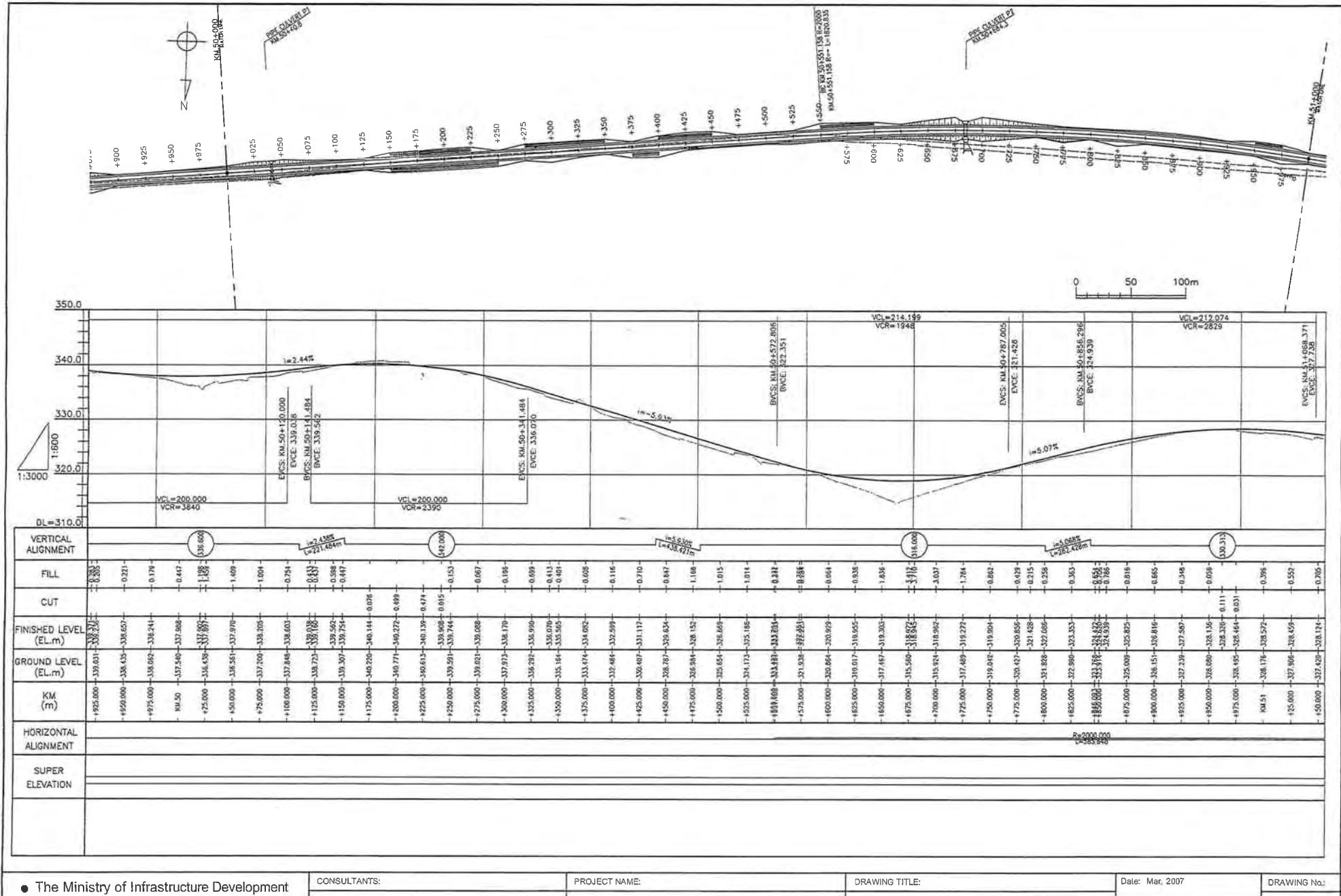
Prepared by:

MR DD E-50

Checked by:



● The Ministry of Infrastructure Development of United Republic of Tanzania	CONSULTANTS: Construction Project Consultants, Inc. (CPC)	PROJECT NAME: The Project for Upgrading Masasi-Mangaka Road	DRAWING TITLE: PLAN & PROFILE(51/56)	Date: Mar. 2007	DRAWING No.: MR DD E-51
				Prepared by:	Checked by:



- The Ministry of Infrastructure Development of United Republic of Tanzania
- Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(52/56)

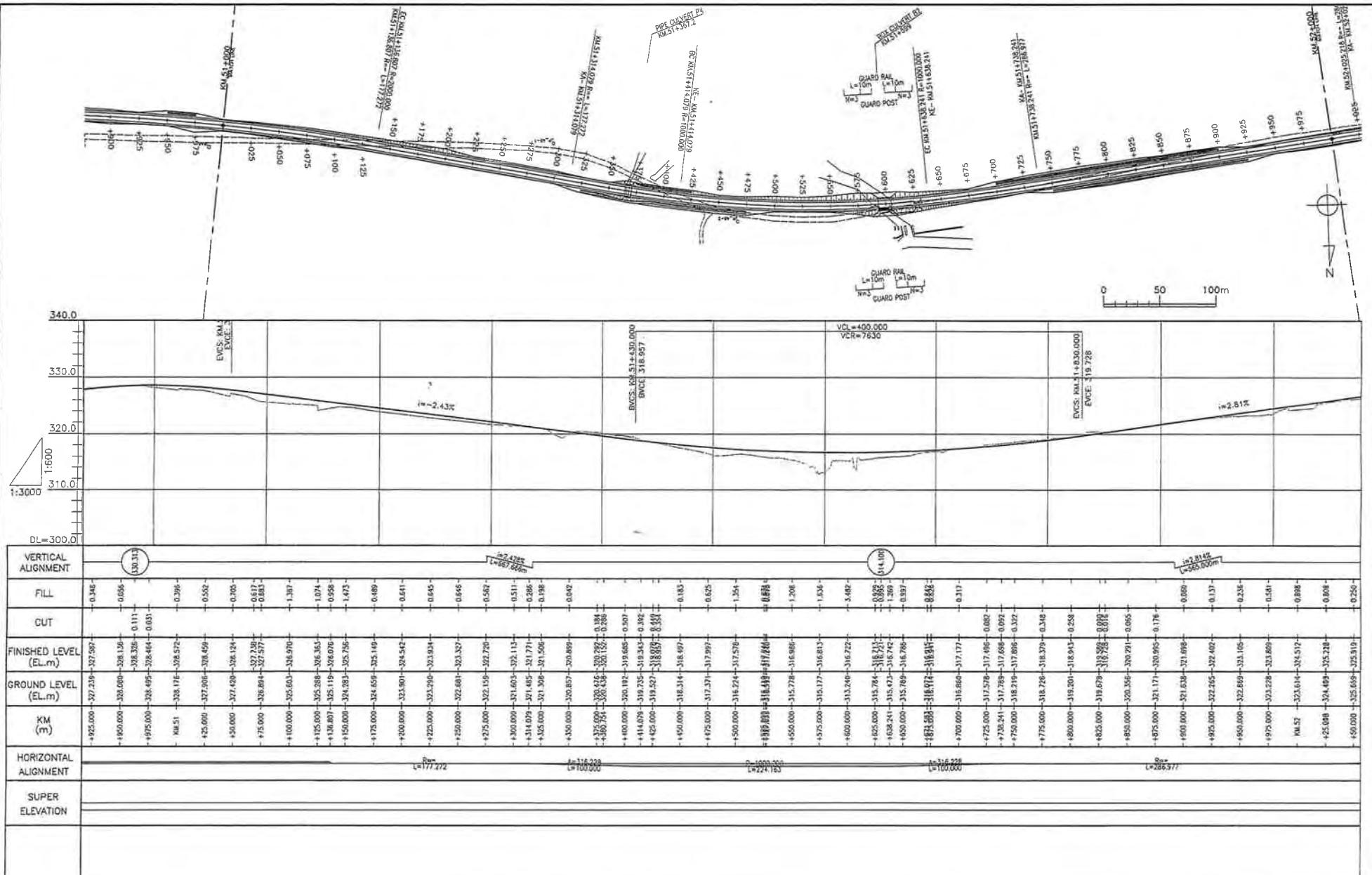
Date: Mar, 2007

DRAWING No.:

Prepared by:

MR DD E-52

Checked by:



● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(53/56)

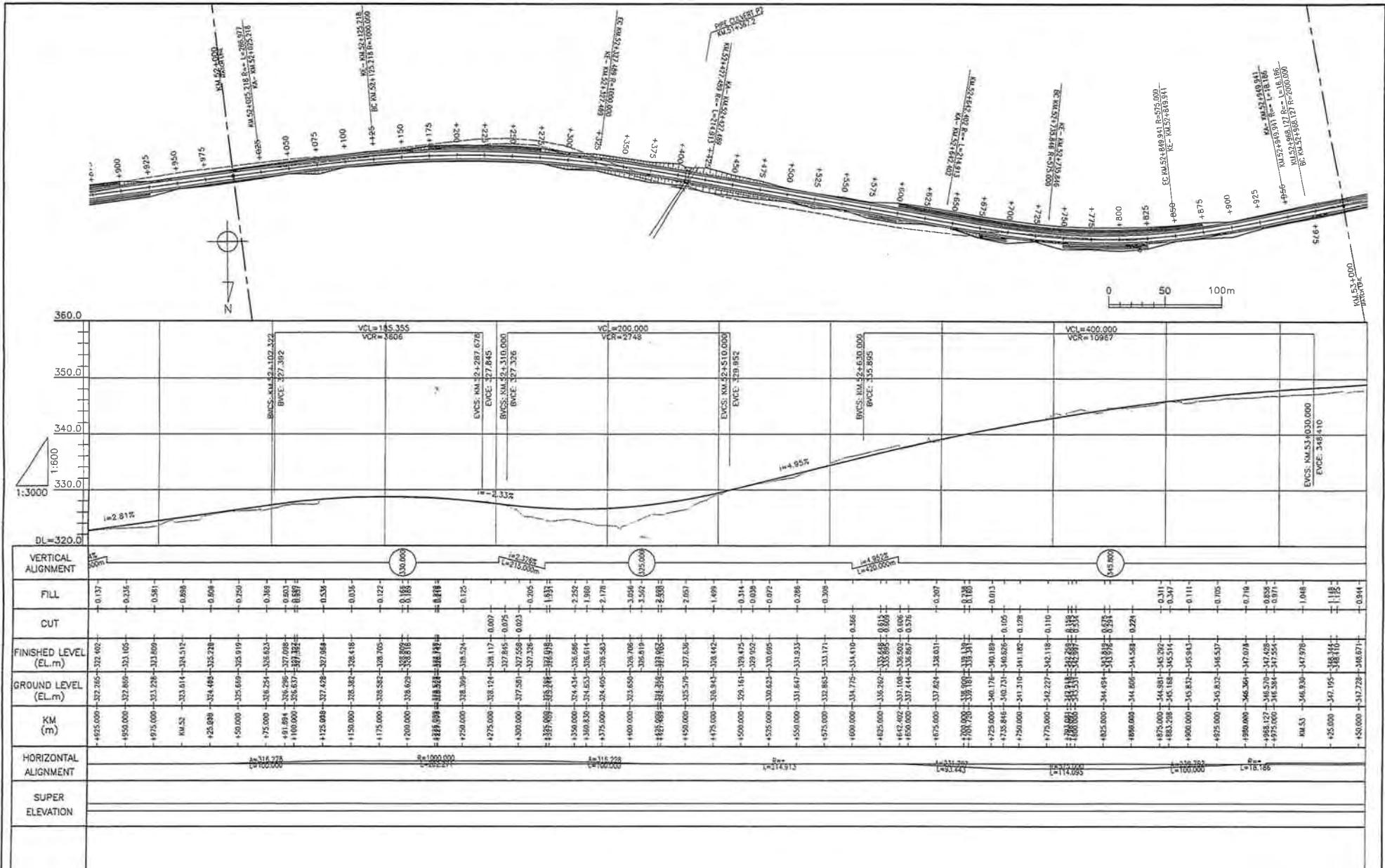
Date: Mar. 2007

DRAWING No.:

Prepared by:

MR DD E-53

Checked by:



● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

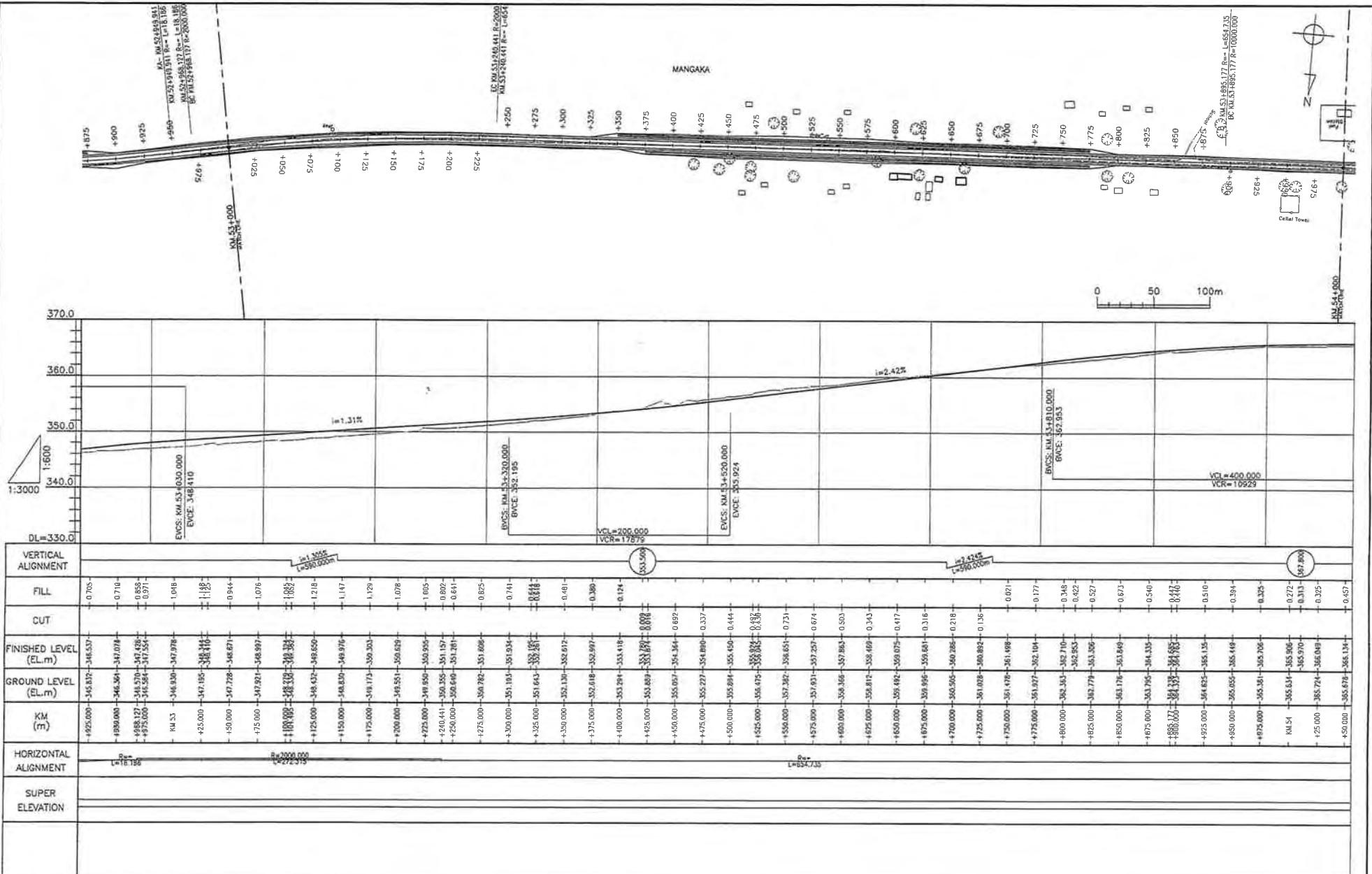
CONSULTANTS:
Construction Project Consultants, Inc. (CPC)

PROJECT NAME:
The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:
PLAN & PROFILE(54/56)

Date: Mar, 2007
Prepared by:
Checked by:

DRAWING No.:
MR DD E-54



● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(55/56)

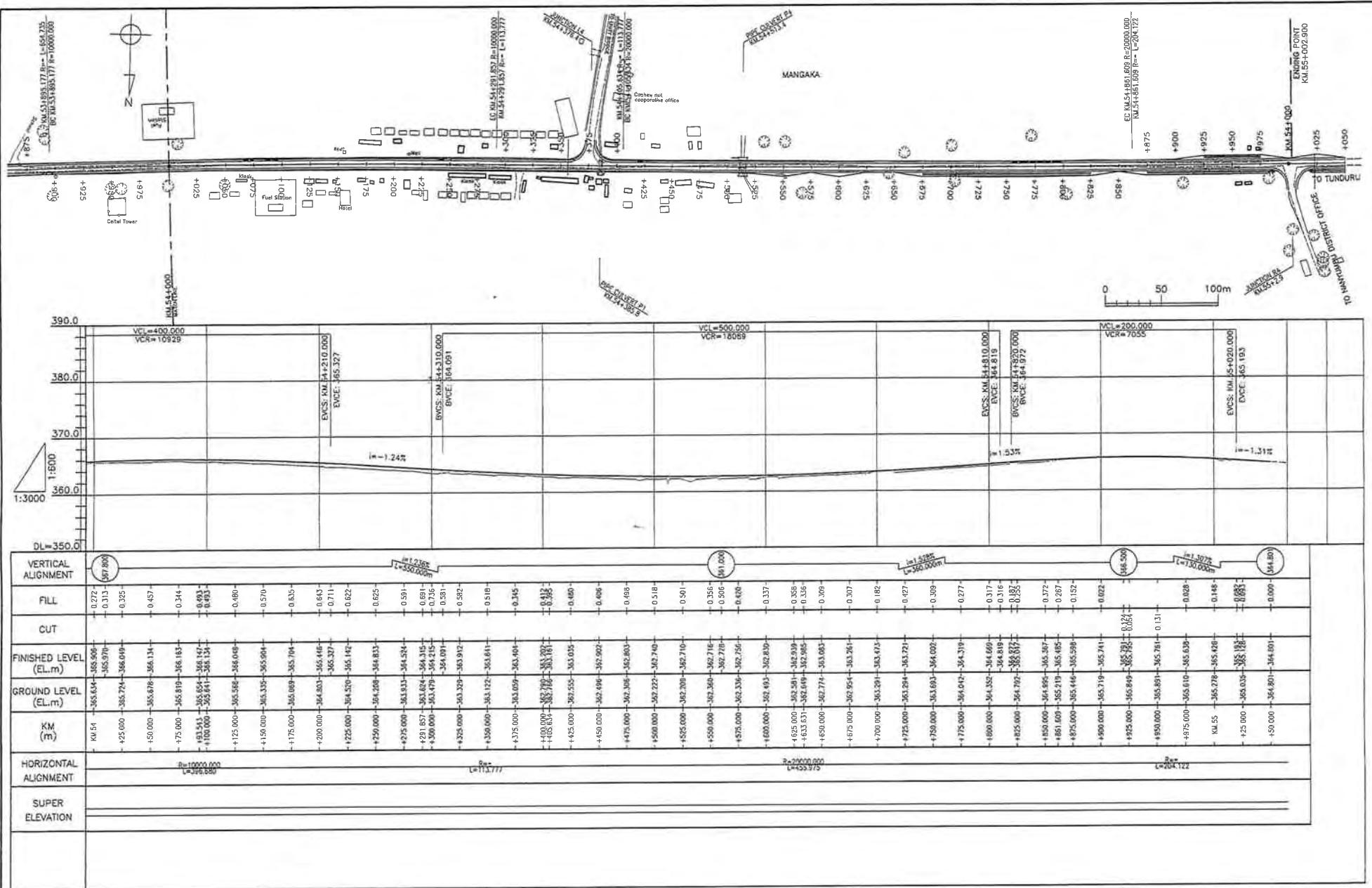
Date: Mar. 2007

Prepared by:

Checked by:

DRAWING No.:

MR DD E-55



● The Ministry of Infrastructure Development
of United Republic of Tanzania
● Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

PLAN & PROFILE(56/56)

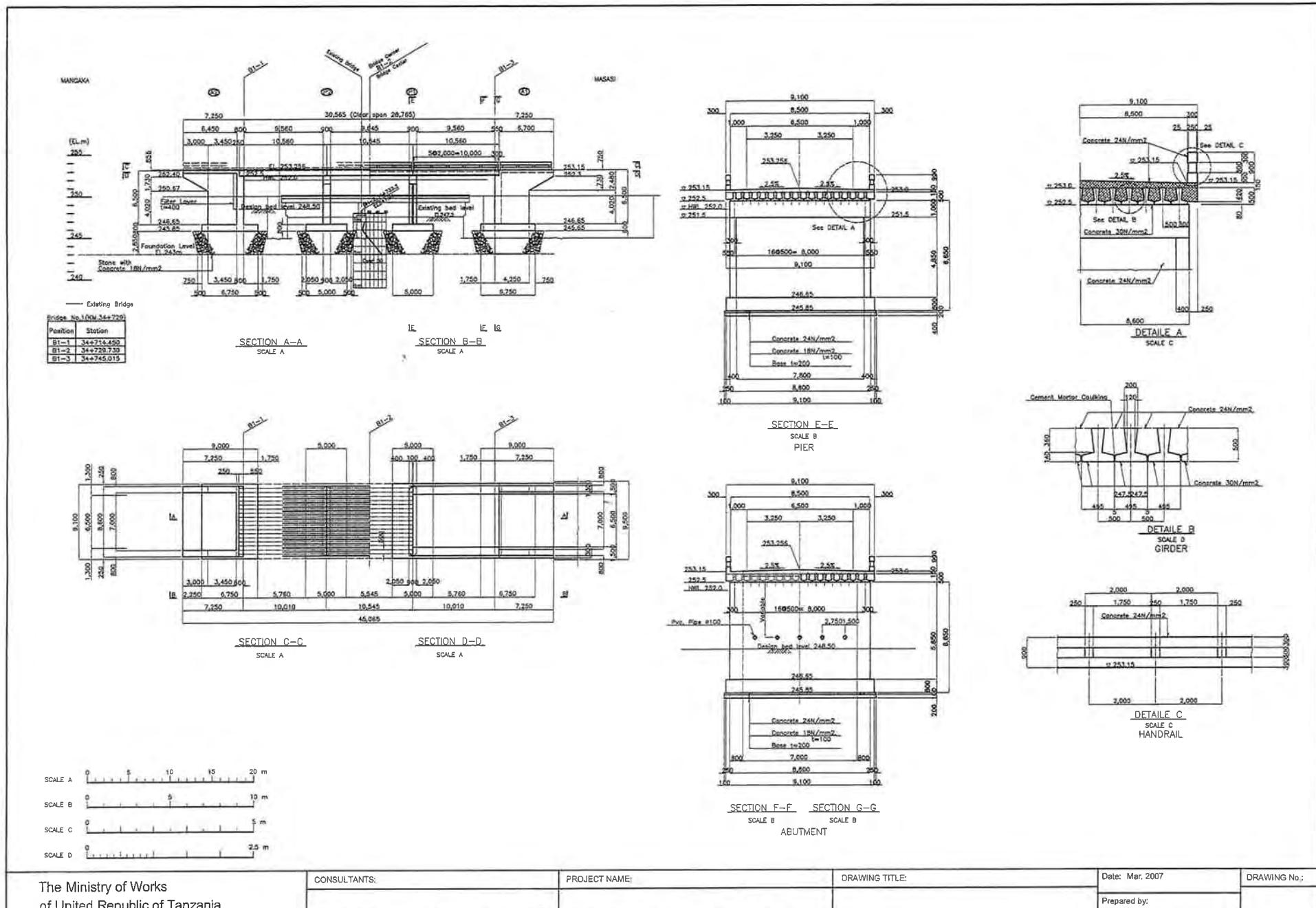
Date: Mar. 2007

Prepared by:

Checked by:

DRAWING NO.:

MR DD E-56



The Ministry of Works
of United Republic of Tanzania
Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

BRIDGE No.1(KM.34+729)

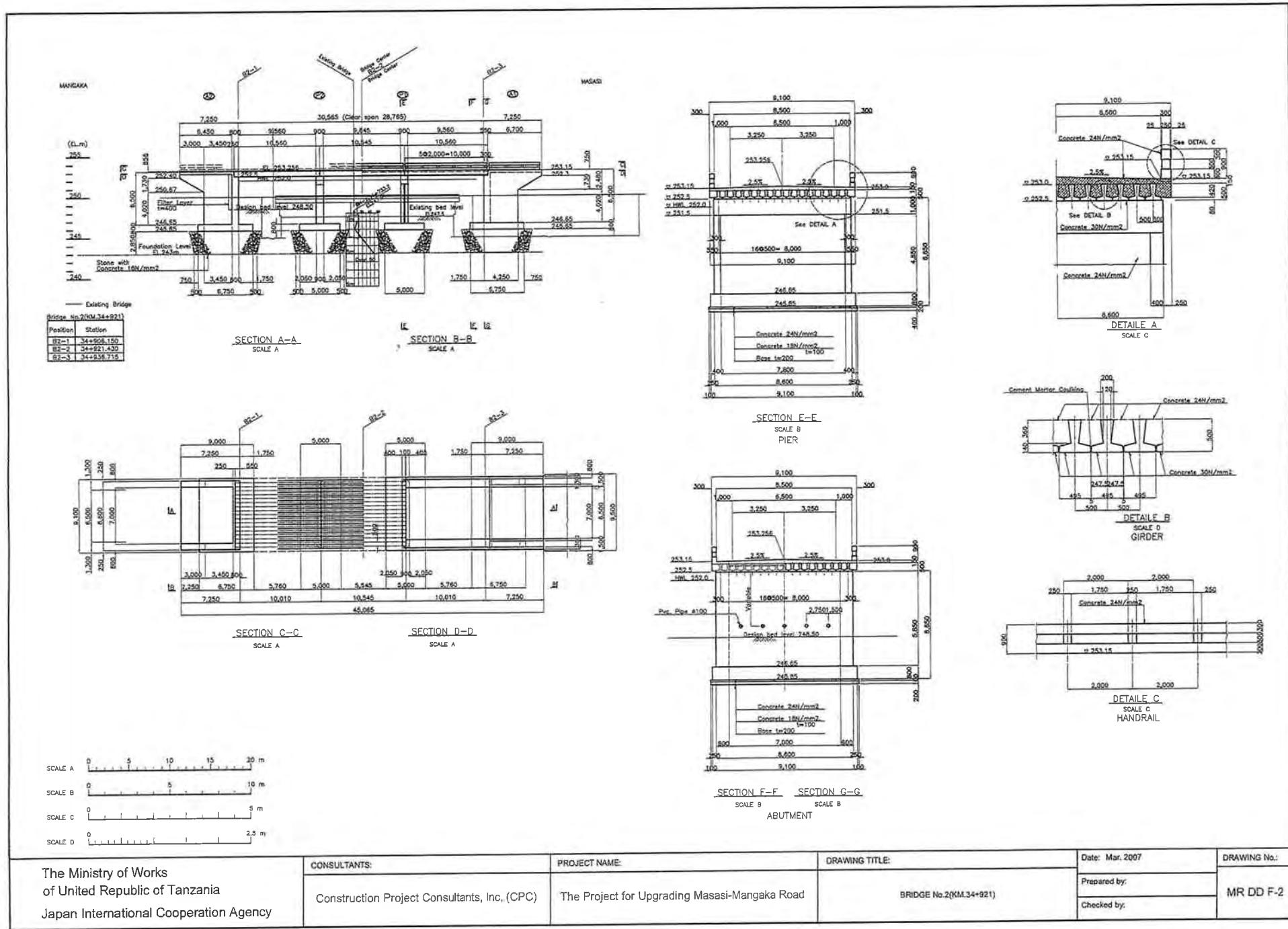
DATE: Mar. 2007

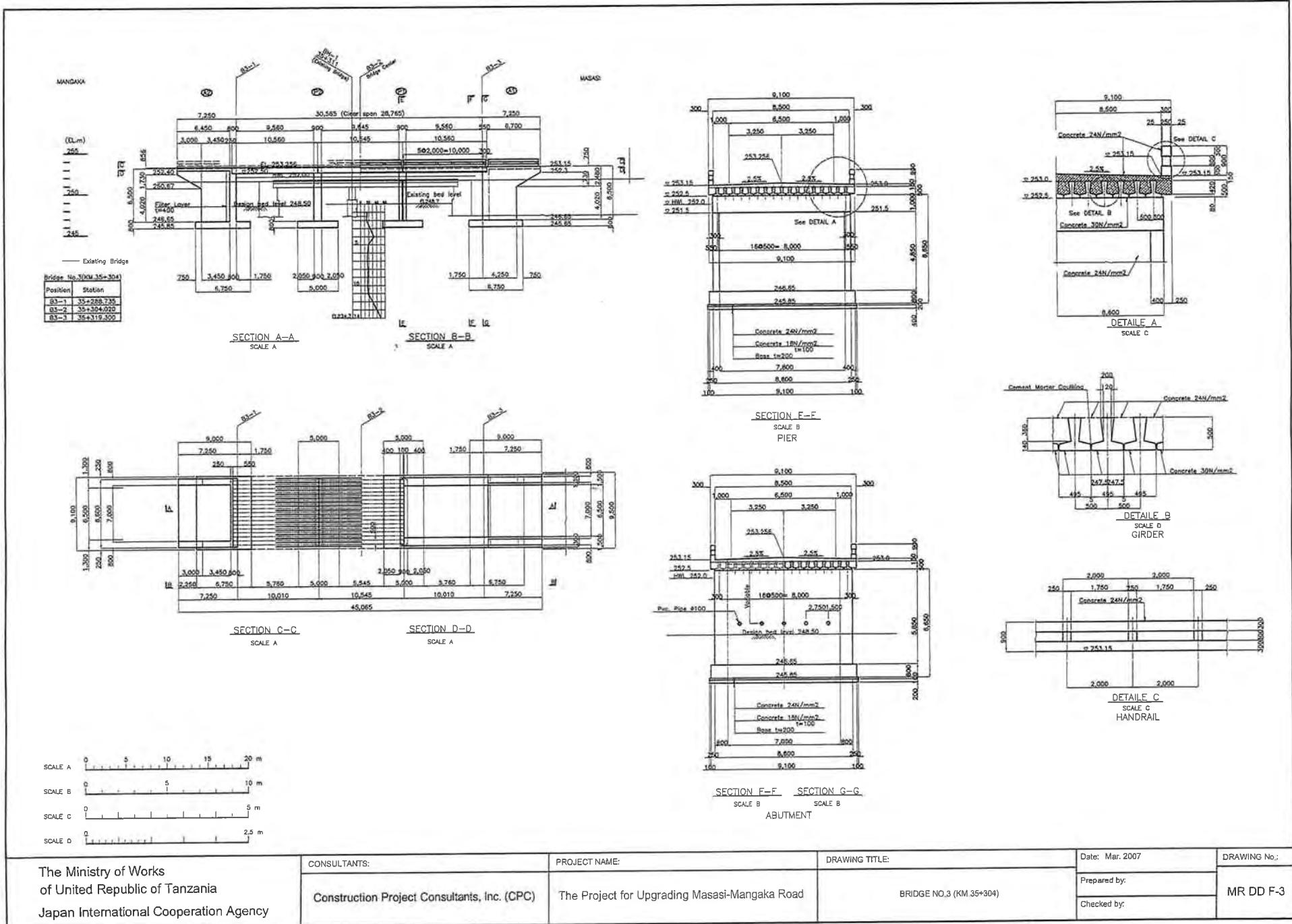
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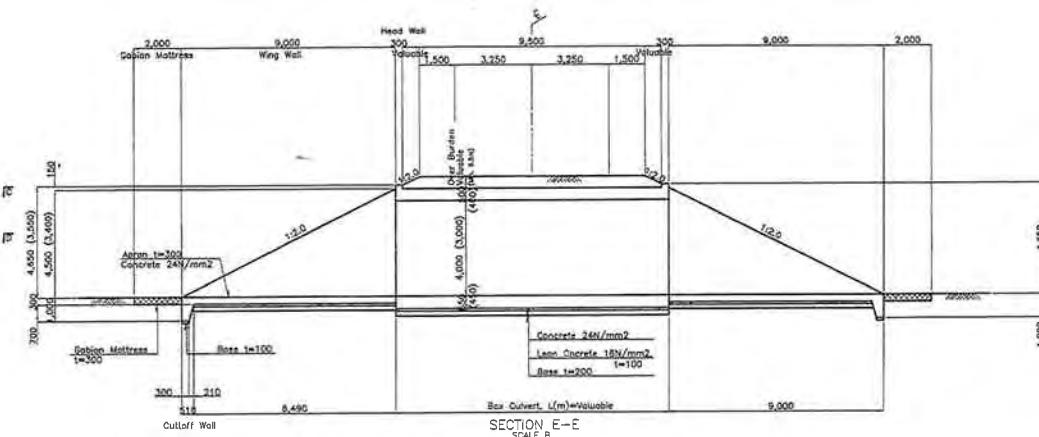
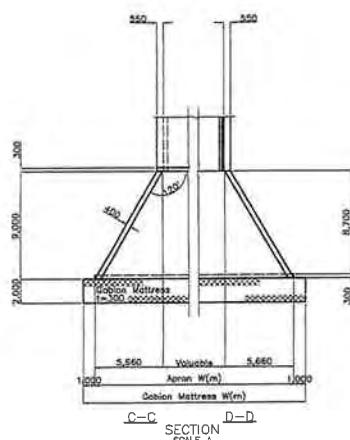
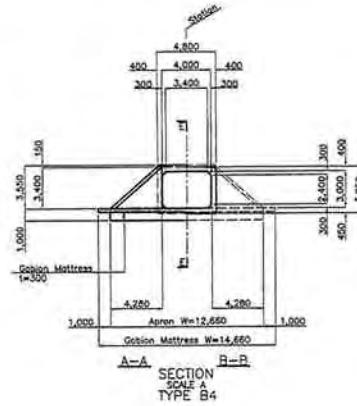
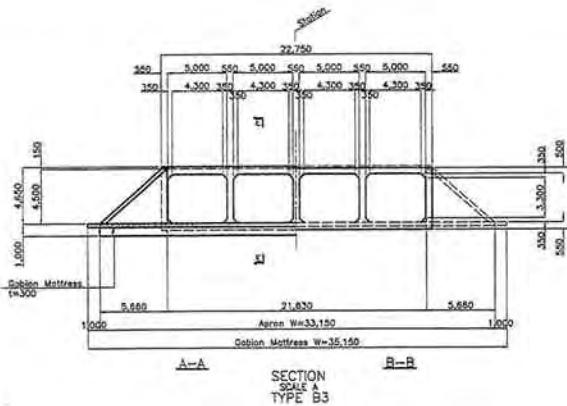
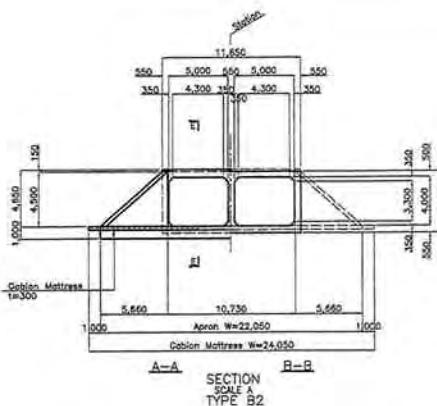
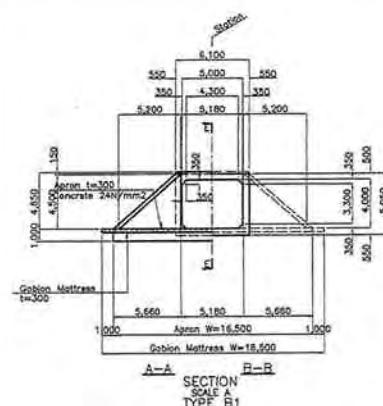
Prepared by:

MR DD F-1

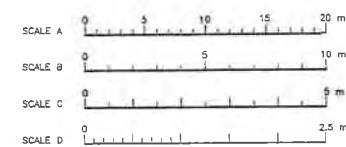
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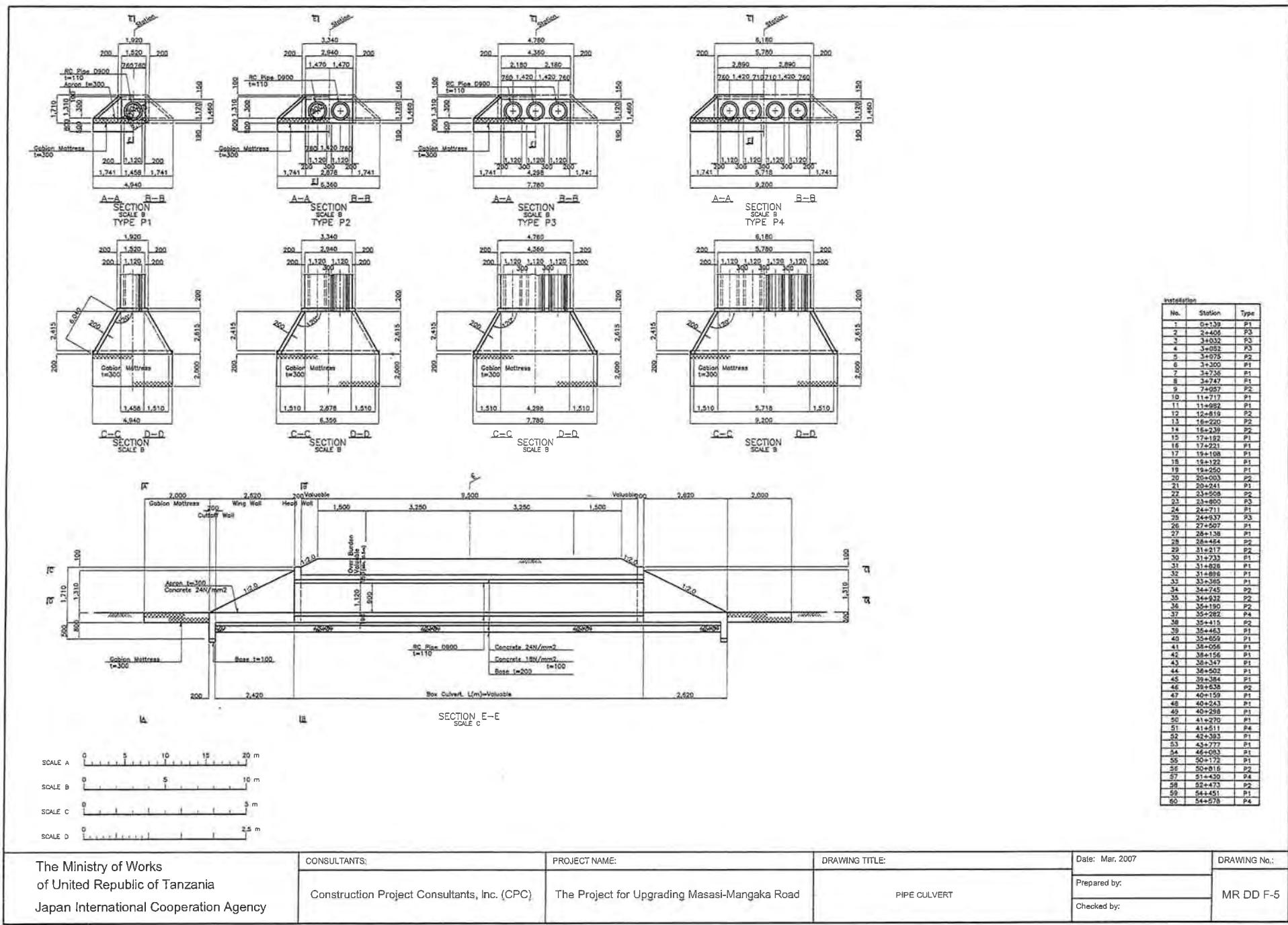
Note: Dimensions with () are for Box Culvert Type B4.



No.	Station	L(m)	B(m)	H(m)	Type
1	18+242	11.50	4	3	B4
2	22+559	11.50	4	3	B4
3	23+406	11.50	5	4	B1
4	28+587	11.50	5	4	B1
5	29+575	11.50	5	4	B1
6	32+105	11.50	5	4	B3
7	34+512	11.50	4	3	B4
8	39+015	11.50	5	4	B1
9	47+592	11.50	4	3	B4
10	48+108	11.50	5	4	B2
11	51+735	11.50	5	4	B2

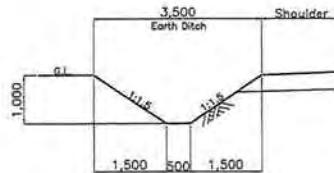
Note:
 B
 C

Date:	Mar. 2007	DRAWING No.:
Prepared by:		MR DD F-4
Checked by:		

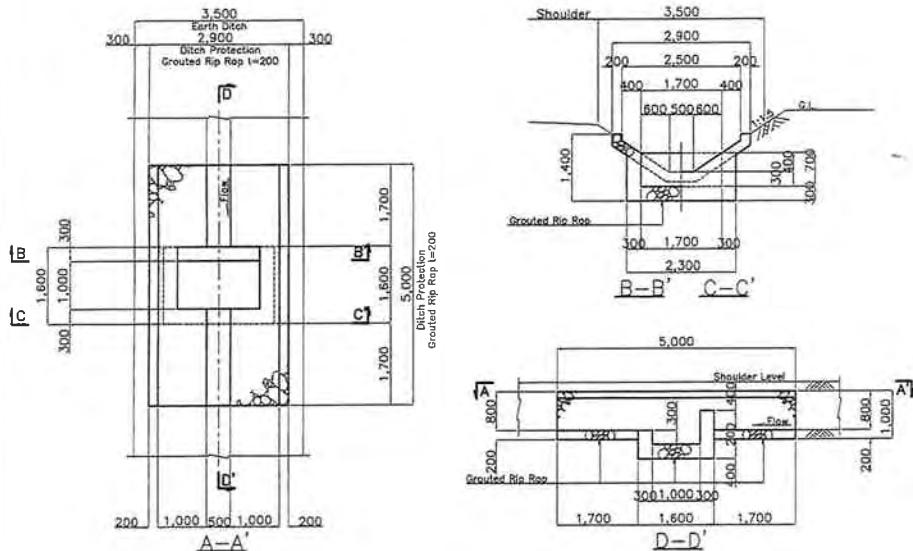


DITCH

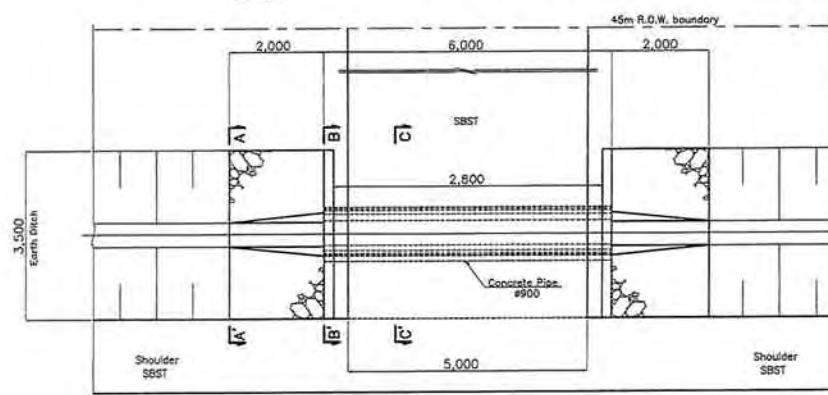
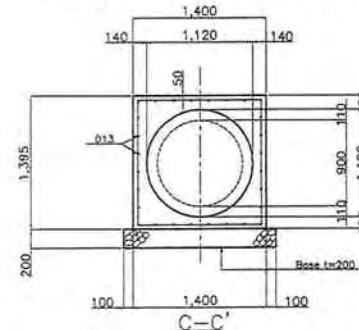
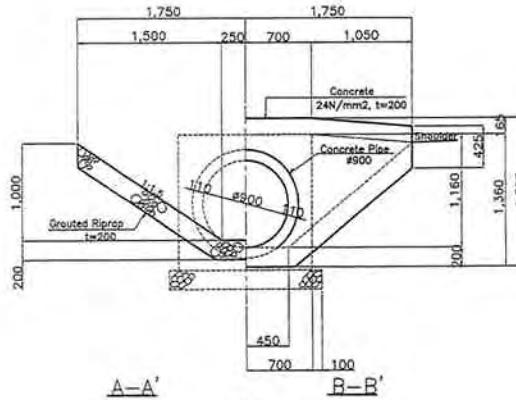
Ditch A (Earth Ditch) Scale 1:100



Ditch Protection (Velocity Type)



ENTRANCE CULVERT



ENTRANCE CULVERT INSTALLATION

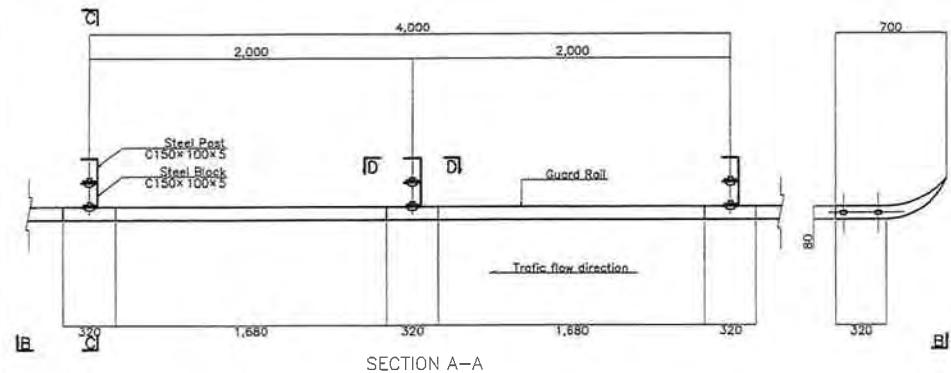
No.	Location	Side	No.	Location	Side
R	L		R	L	
1	00+000		31		
2			32		
3			33		
4			34		
5			35		
6			36		
7			37		
8			38		
9			39		
10			40		
11			41		
12			42		
13			43		
14			44		
15			45		
16			46		
17			47		
18			48		
19			49		
20			50		
21			51		
22			52		
23			53		
24			54		
25			55		
26			56		
27			57		
28			58		
29			59		
30			60		

Note: All dimensions are in millimeters, unless otherwise noted.

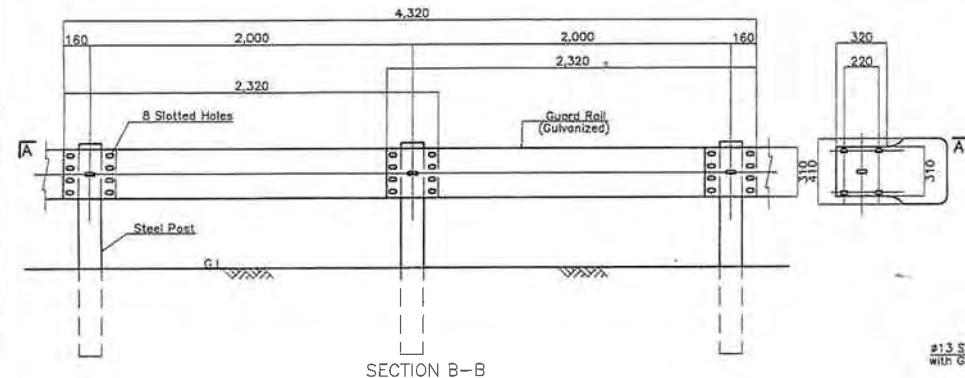
● The Ministry of Infrastructure Development of United Republic of Tanzania ● Japan International Cooperation Agency	CONSULTANTS:	PROJECT NAME:	DRAWING TITLE:	Date: Mar. 2007	DRAWING NO.:
	Construction Project Consultants, Inc. (CPC)	The Project for Upgrading Masasi-Mangaka Road	INCIDENTAL WORKS-1 DITCH AND ENTRANCE CULVERT SCALE 1:50, 1:100, 1:200	Prepared by: Checked by:	MR DD G-1

GUARD RAIL

Scale 1:30

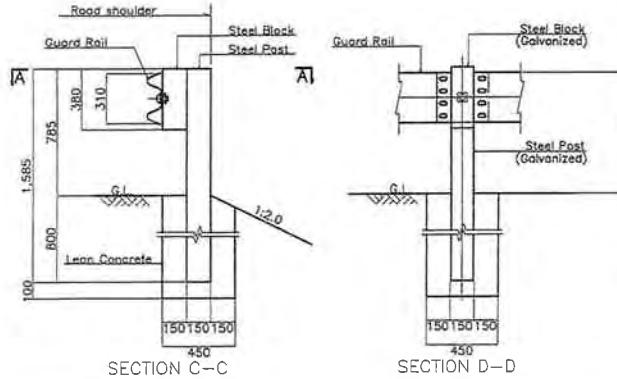


SECTION A-A

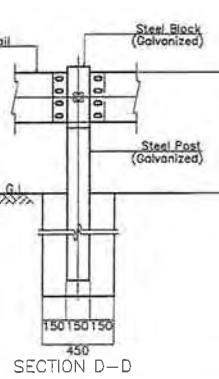


SECTION B-B

GUARD RAIL: GROUND TYPE



SECTION C-C

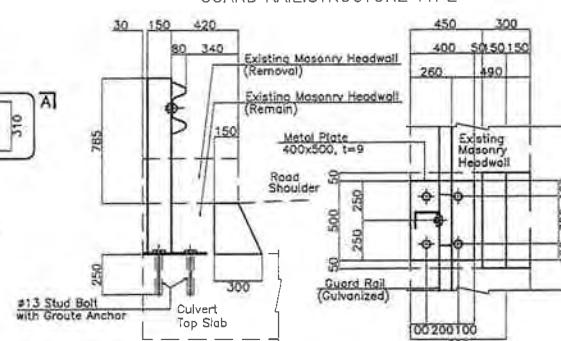


SECTION D-D

LAYOUT OF GUARD RAIL AND GUARD POST FOR STRUCTURE SECTION

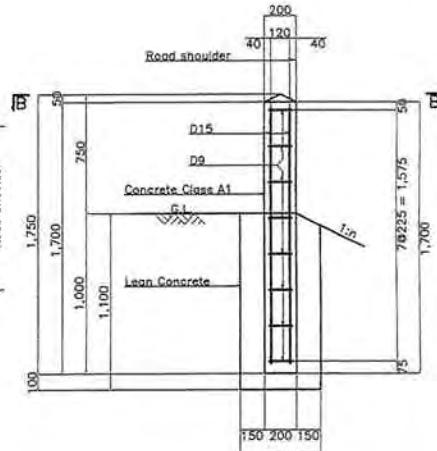
NON-SCALE

GUARD RAIL: STRUCTURE TYPE

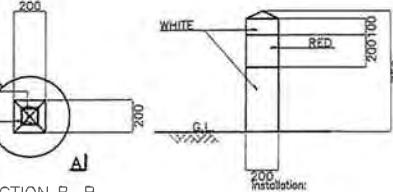


GUARD POST

Scale 1:30



SECTION A-A



SECTION B-B

Installation:

- Culvert/Bridge Approach Section

Note: All dimensions are in millimeters, unless otherwise noted

- The Ministry of Infrastructure Development of United Republic of Tanzania
- Japan International Cooperation Agency

CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

INCIDENTAL WORKS-2
GUARD RAIL AND GUARD POST
SCALE 1:30

Date: Mar. 2007

DRAWING NO.:

Prepared by:

MR DD G-2

Checked by:

TRAFFIC SIGNS

TRAFFIC SIGNS

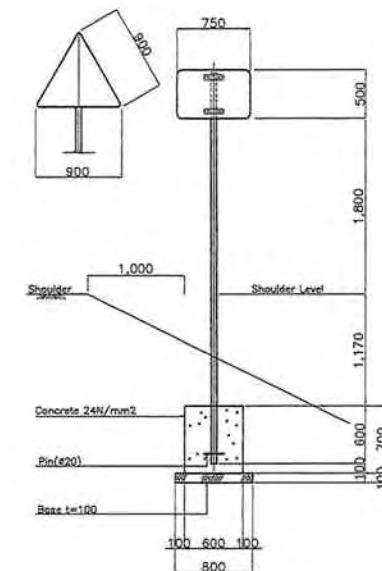
TYPE	DESCRIPTION	TYPE	TOTAL (pc)
A	Giveaway	△	11
B	Pedestrian Crossing	□	24
C	Bus Stop	□	28

TRAFFIC SIGN INSTALLATION

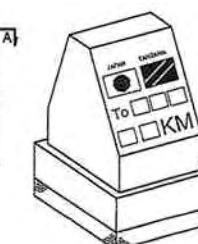
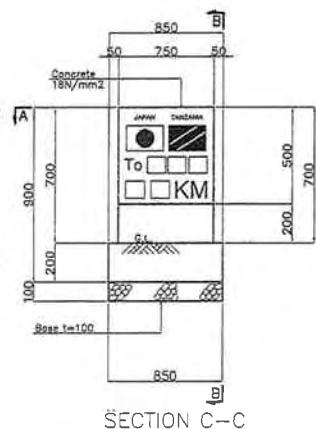
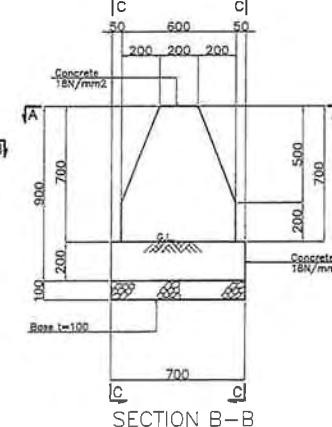
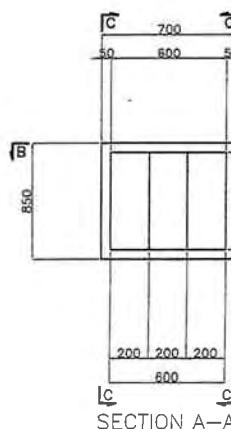
NO.	LOCATION	TYPE
1	00+000 L	A
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58		
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60		

NO.	LOCATION	TYPE
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
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SIGN POST Scale 1:50



KILOMETER POST Scale 1:25



Note: Installation of kilopost shall be set alternately in each 5km

Note: All dimensions are in millimeters, unless otherwise noted.

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CONSULTANTS:

Construction Project Consultants, Inc. (CPC)

PROJECT NAME:

The Project for Upgrading Masasi-Mangaka Road

DRAWING TITLE:

INCIDENTAL WORKS-3
TRAFFIC SIGNS AND KILOMETER POST
SCALE 1:25, 1:50

Date: Mar. 2007

DRAWING NO:

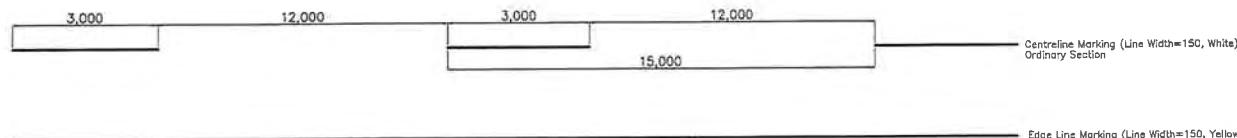
Prepared by:

MR DD G-3

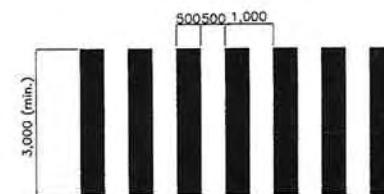
Checked by:

PAVEMENT MARKINGS

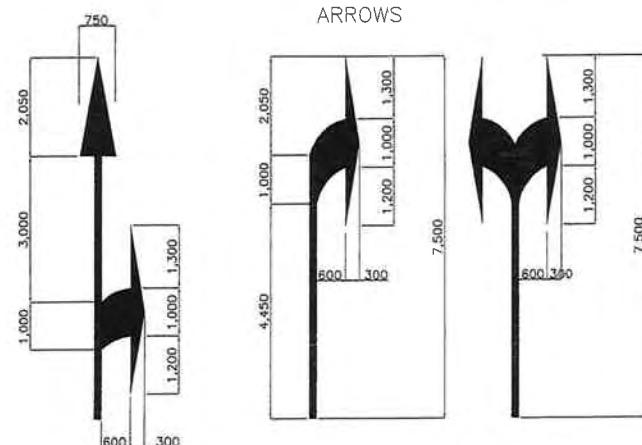
LINE MARKINGS



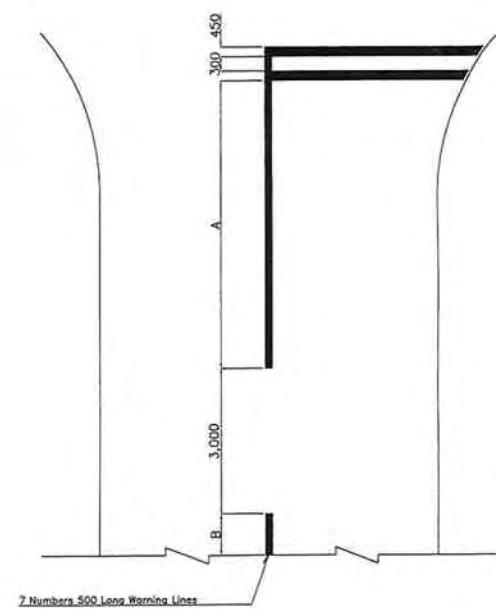
PEDESTRIAN CROSSING



ARROWS

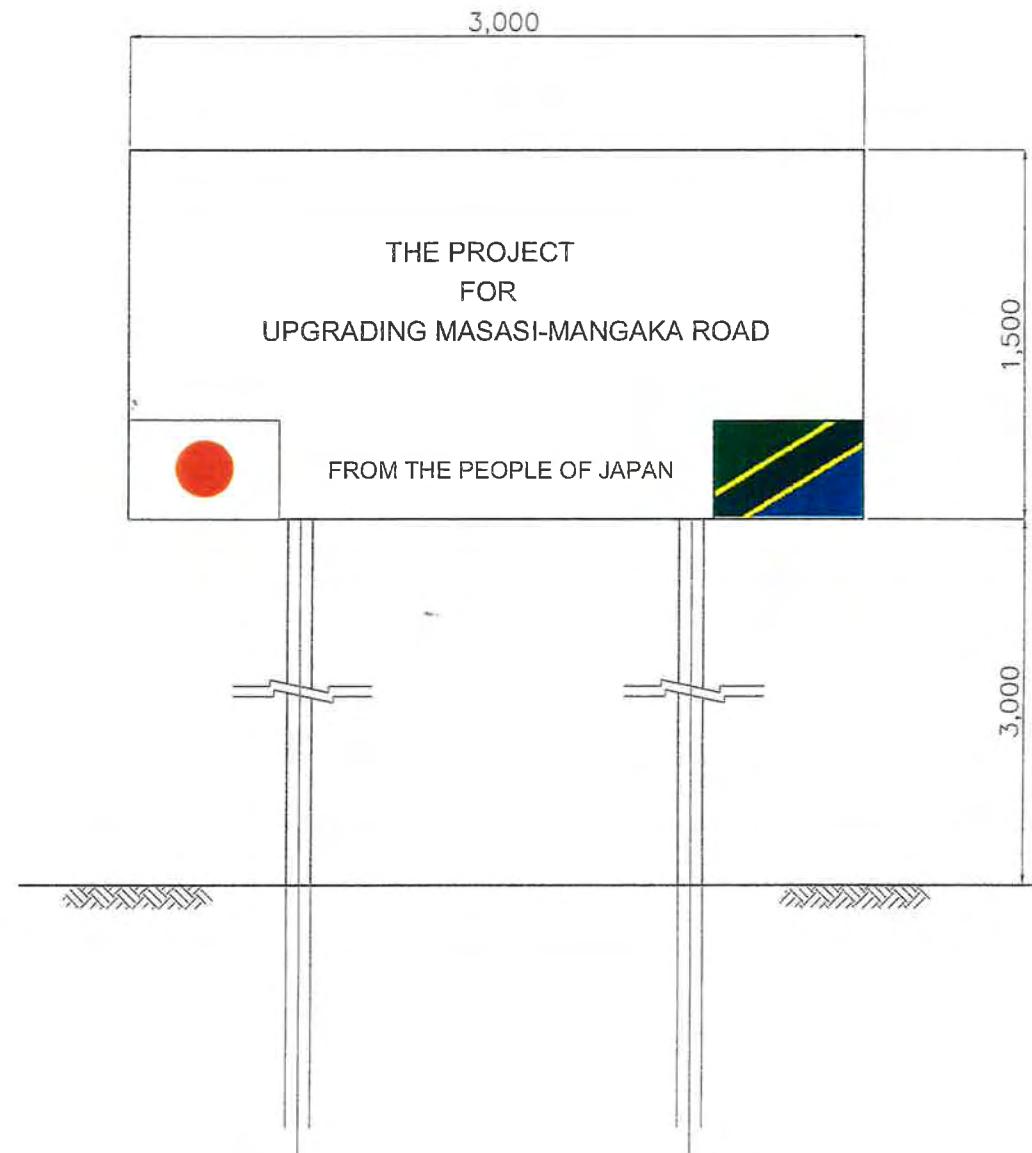


STOPLINE MARKING



Note,
1. The Contractor shall submit shop drawings to the Engineer for his approval prior to commencement of the relevant works.
2. All dimensions are in millimeters, unless otherwise noted.

● The Ministry of Infrastructure Development of United Republic of Tanzania ● Japan International Cooperation Agency	CONSULTANTS:	PROJECT NAME:	DRAWING TITLE:	Date: Mar. 2007	DRAWING NO.:
	Construction Project Consultants, Inc. (CPC)	The Project for Upgrading Masasi-Mangaka Road	INCIDENTAL WORKS-4 PAVEMENT MARKINGS NON-SCALE	Prepared by:	MR DD G-4
				Checked by:	



• The Ministry of Infrastructure Development
of United Republic of Tanzania
• Japan International Cooperation Agency

CONSULTANTS:	PROJECT NAME:	DRAWING TITLE:	Date: Mar. 2007	DRAWING No.:
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