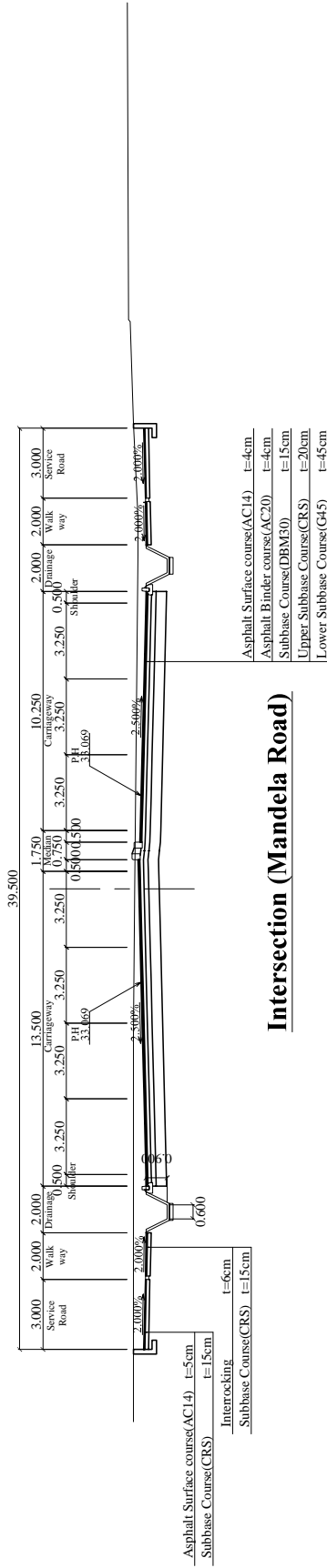
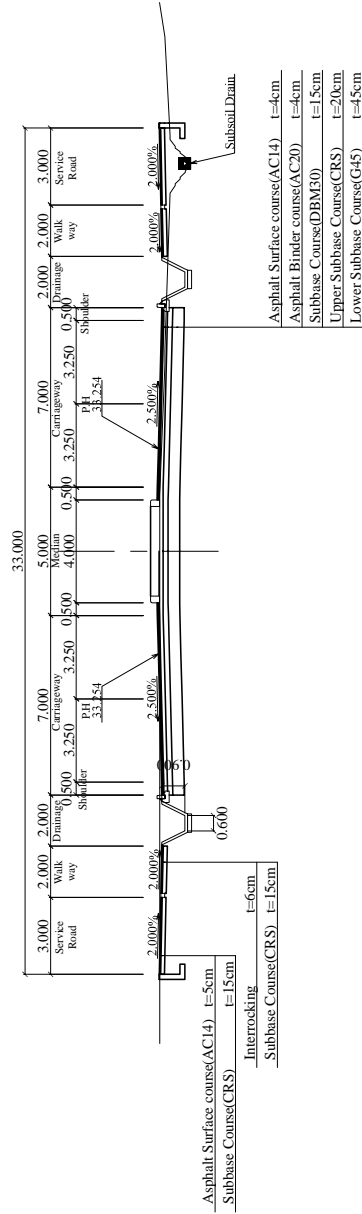


Sta.0+60




Intersection (Mandela Road)

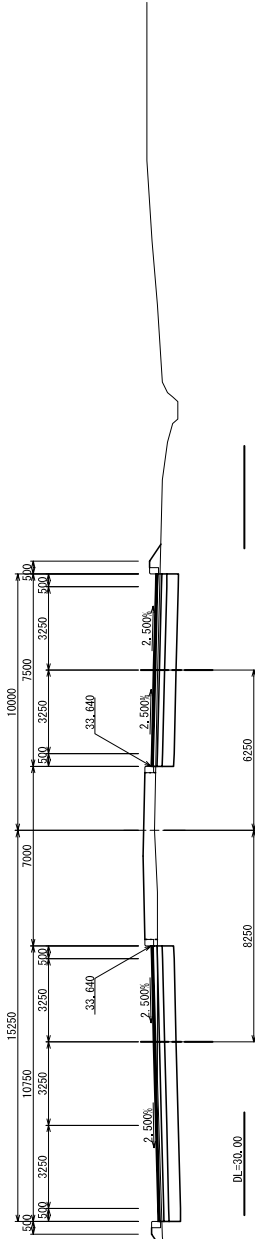
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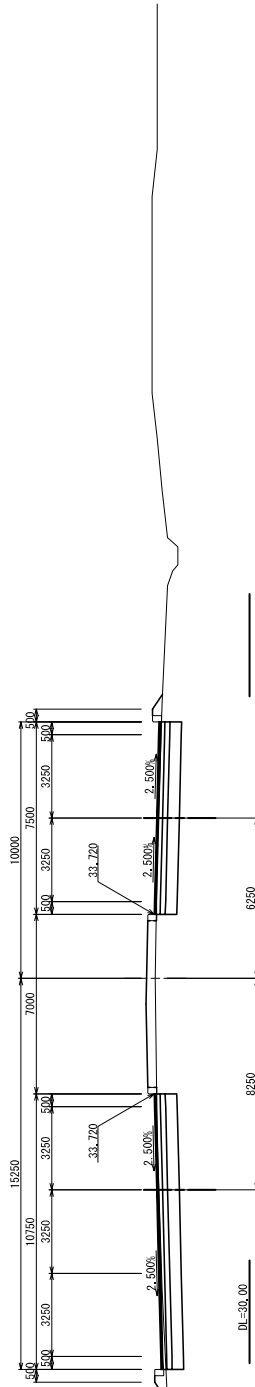
Typical Cross Section (Mandela Road)

TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT	DESIGNED: Drawn	REVISIONS DATE DESCRIPTION	PROJECT Preparatory Survey on the Project for Improvement of TAZARA Intersection
	PROJECT ENGINEER CHIEF EXECUTIVE	Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.,	Checked Ref.:SWRD	DWG TITLE Typical Cross Section(1)	SCALE As shown
				DATE:	Dwg. No.
					Rev

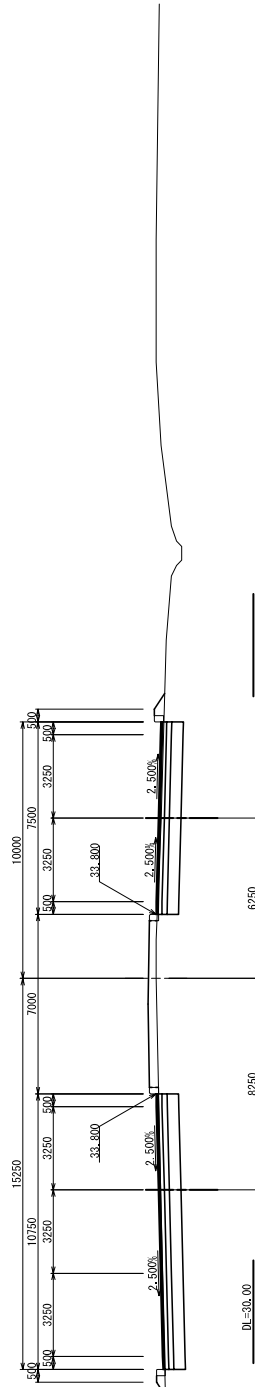
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 FH=33.640



NO. 0+20
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 FH=33.720

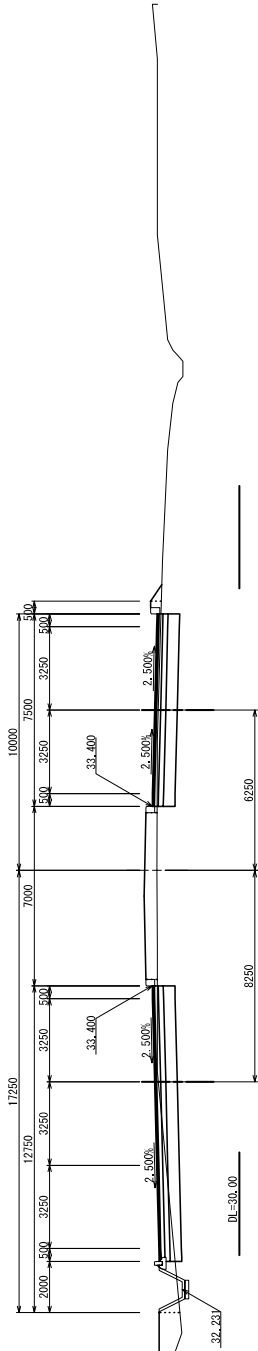


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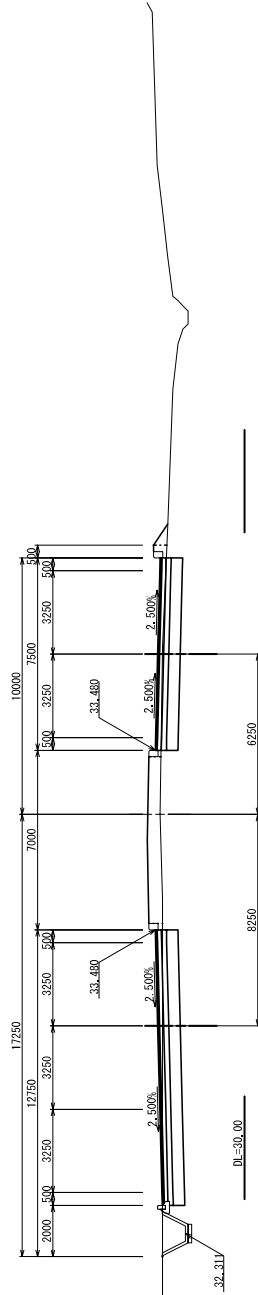


TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM	APPROVED: PROJECT ENGINEER CHIEF EXECUTIVE	JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.		Designed Drawn Checked Ref.:SWRD	REVISIONS DATE DESCRIPTION	PROJECT Preparatory Survey on the Project for Improvement of TAZARA Intersection
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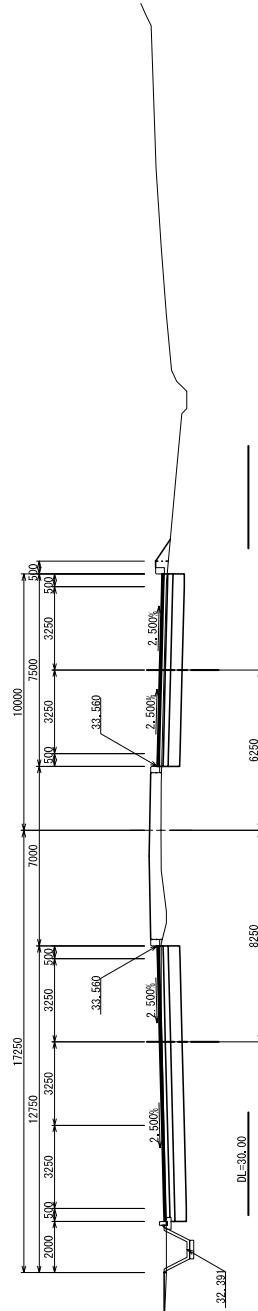
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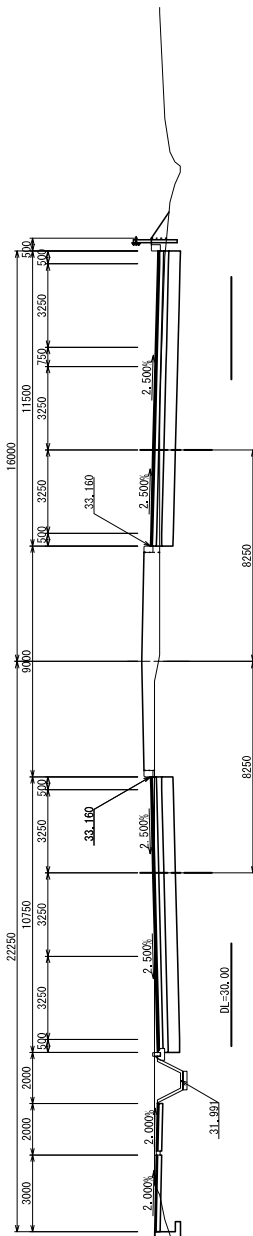


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 FH=33.560

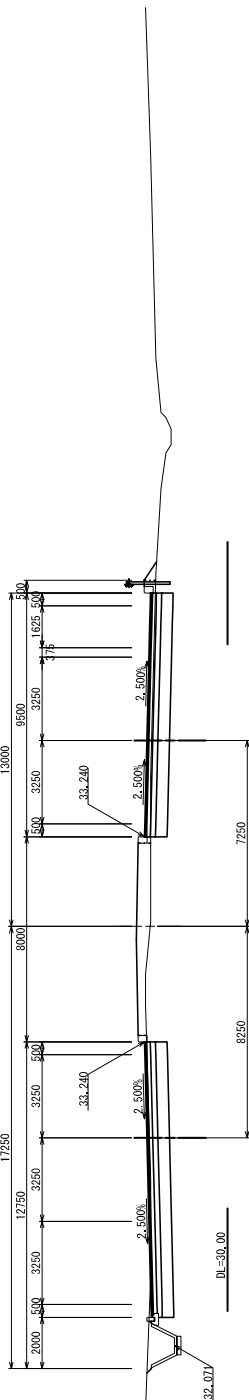


 TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY	DESIGNED	DATE	REVISIONS	PROJECT
	PROJECT ENGINEER	CONSULTANT	DRAWN	DESCRIPTION	DESCRIPTION	Preparatory Survey on the Project for Improvement of TAZARA Intersection
CHIEF EXECUTIVE	CONSULTANT	Checked	Checked			DWG TITLE
	Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.	Ref.:SWRD	Ref.:SWRD			Julius K. Nyere Rd Cross Section?
						SCALE
						1:200
						DATE:
						Dwg. No.
						Rev

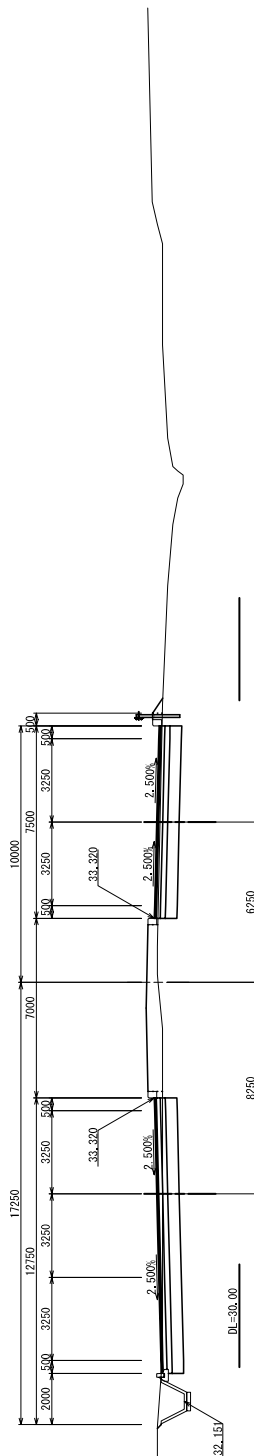
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 FH=33.240



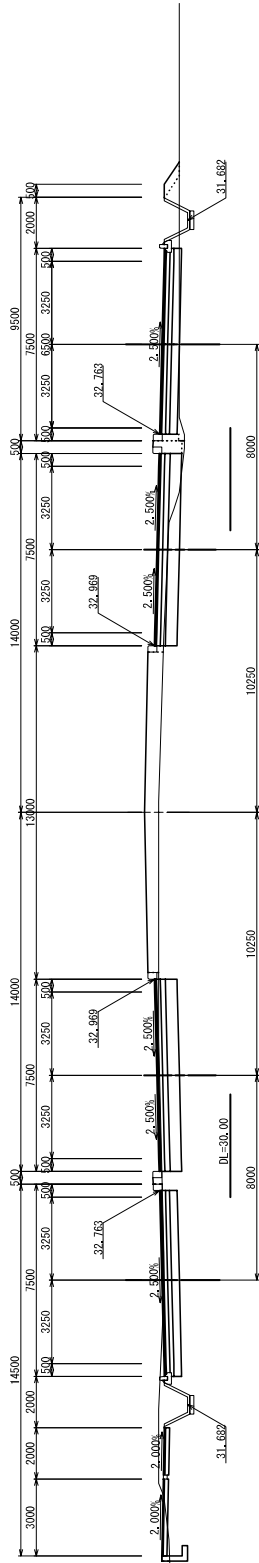
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 FH=33.320



<p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p> 	<p>APPROVED:</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT</p> <p>PROJECT ENGINEER</p> <p>CHIEF EXECUTIVE</p>		<p>DESIGNED</p> <p>DRAWN</p> <p>CHECKED</p> <p>REF./SWRD</p>	<p>DATE</p> <p>DESCRIPTION</p>	<p>REVISIONS</p>	<p>PROJECT</p> <p>Preparatory Survey on the Project for Improvement of TAZARA Intersection</p>
	<p>PROJECT ENGINEER</p> <p>CHIEF EXECUTIVE</p>	<p>DESIGNED</p> <p>DRAWN</p> <p>CHECKED</p> <p>REF./SWRD</p>	<p>DATE</p> <p>DESCRIPTION</p>	<p>DWG TITLE</p> <p>Julus.K.Nyereere Rd Cross Section(3)</p> <p>SCALE</p> <p>1:200</p>	<p>DATE:</p>	<p>Dwg. No.</p>	<p>Rev</p>

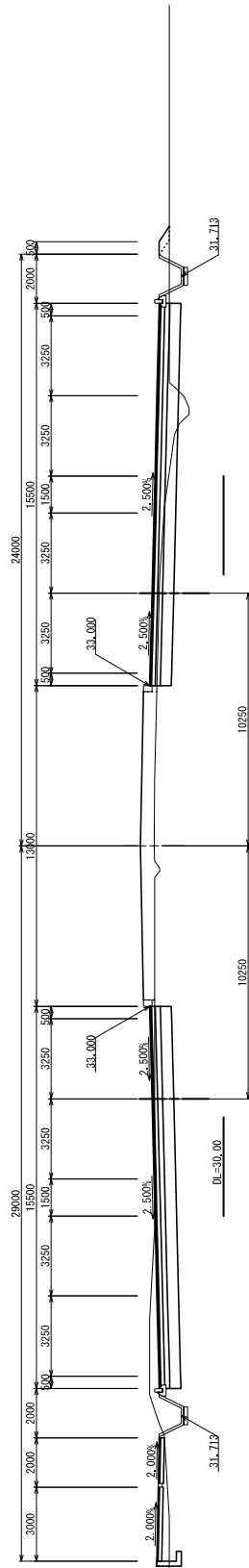
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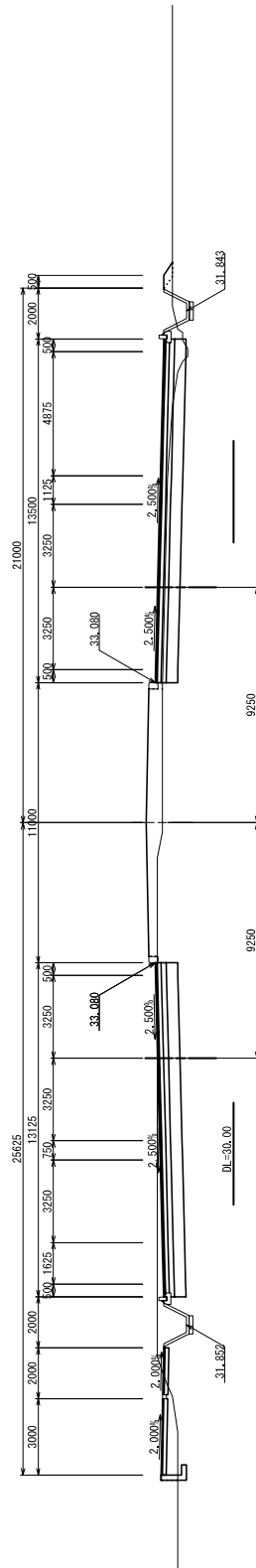
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FH=33.000



NO. 0+180

GH=32.80
FH=33.080



TANROADS
TANZANIA NATIONAL ROADS AGENCY
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PROJECT ENGINEER
CHIEF EXECUTIVE

JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
International Development Center of Japan Inc.,

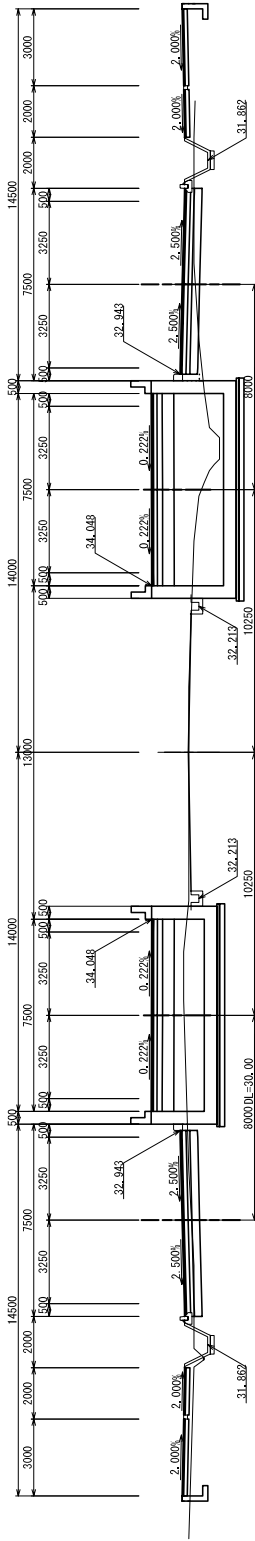
Designed
Drawn
Checked
Ref.:SWRD

REVISIONS	DATE	DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Julius K. Nyerere Rd Cross Section(4)
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

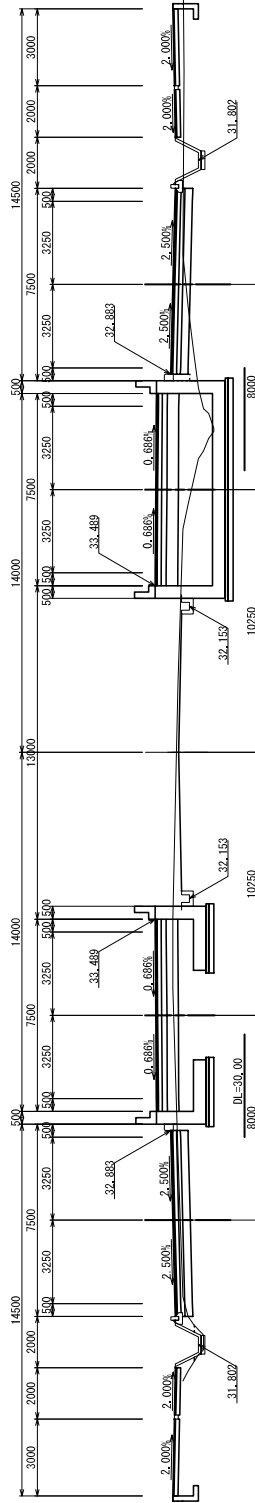
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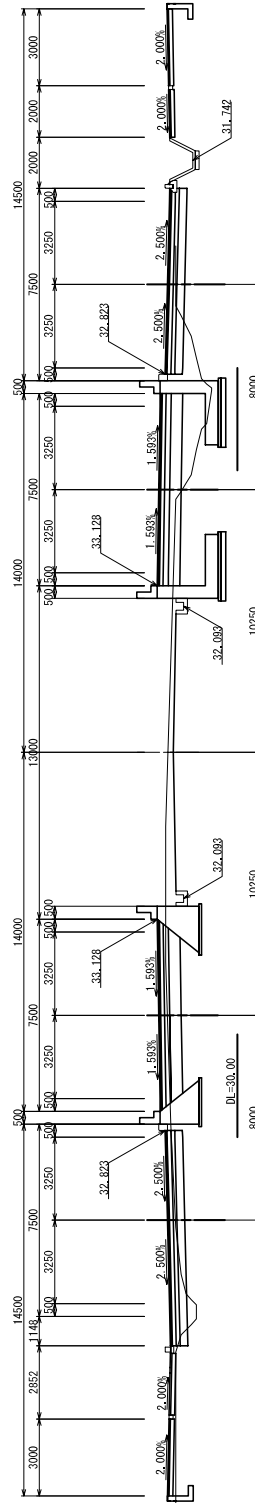
NO. 0+260

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FH=33.489



NO. 0+240

GH=32.71
FH=33.128



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JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
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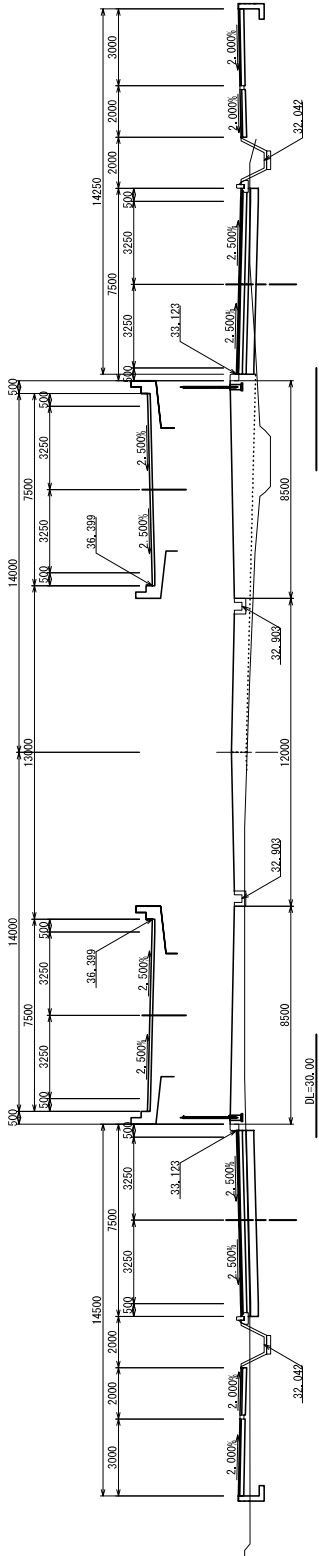
Designed
Drawn
Checked
Ref.:SWRD

REVISIONS	DATE	DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Jl.Ms.K.Nyereke Rd(Cross Section)
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

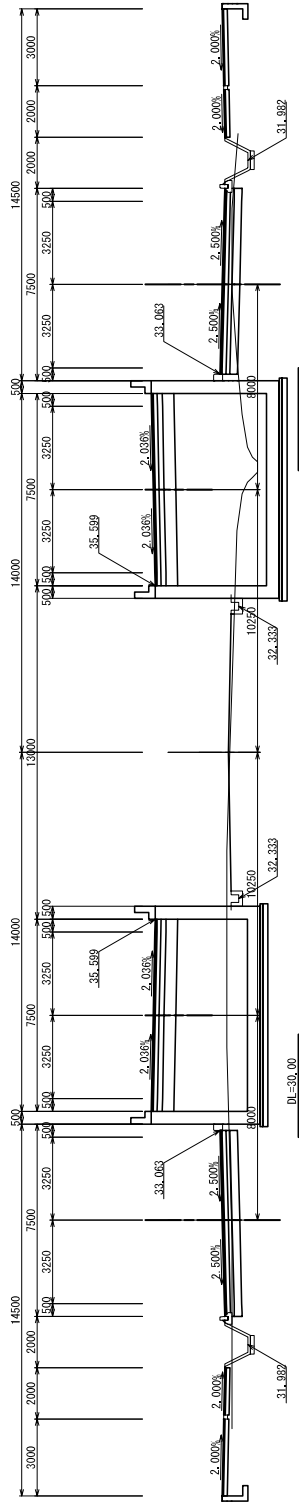
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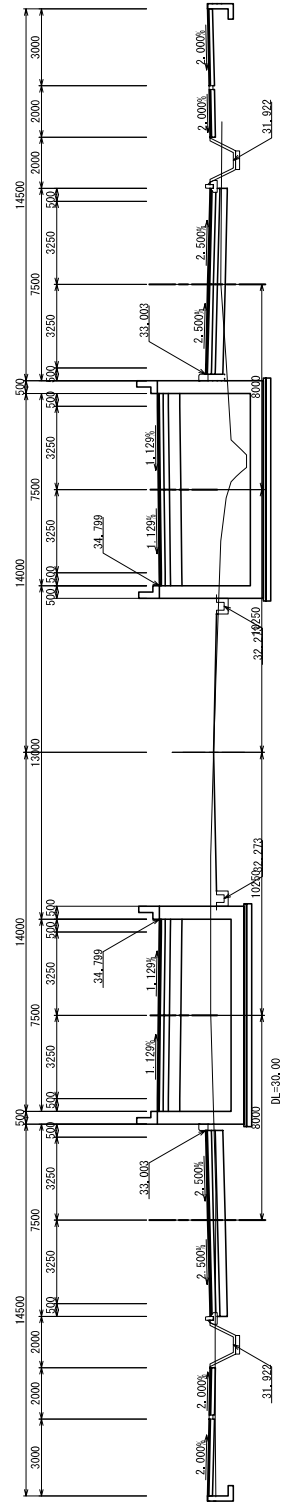
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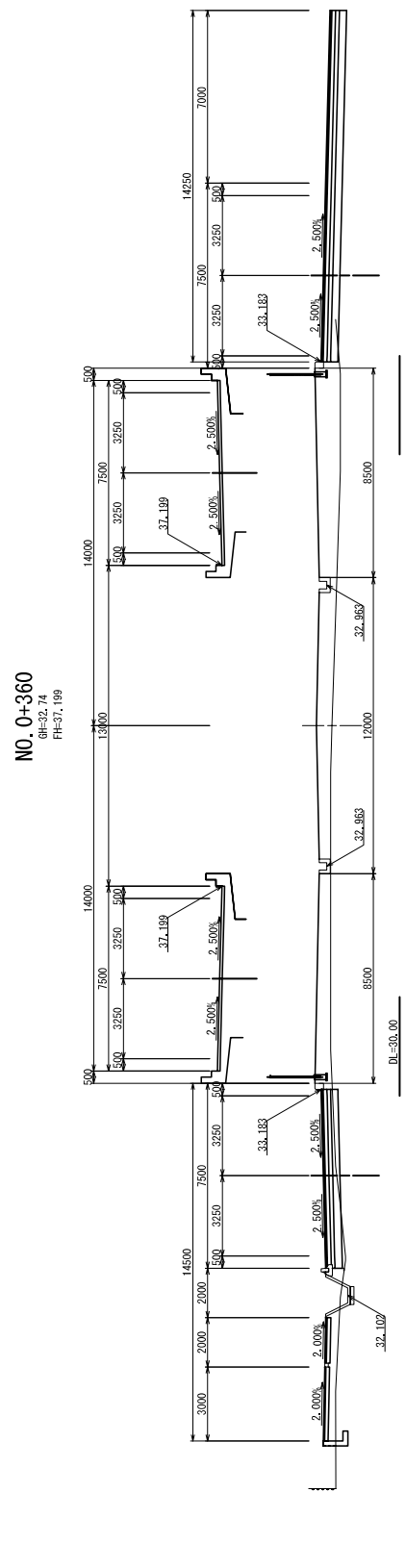
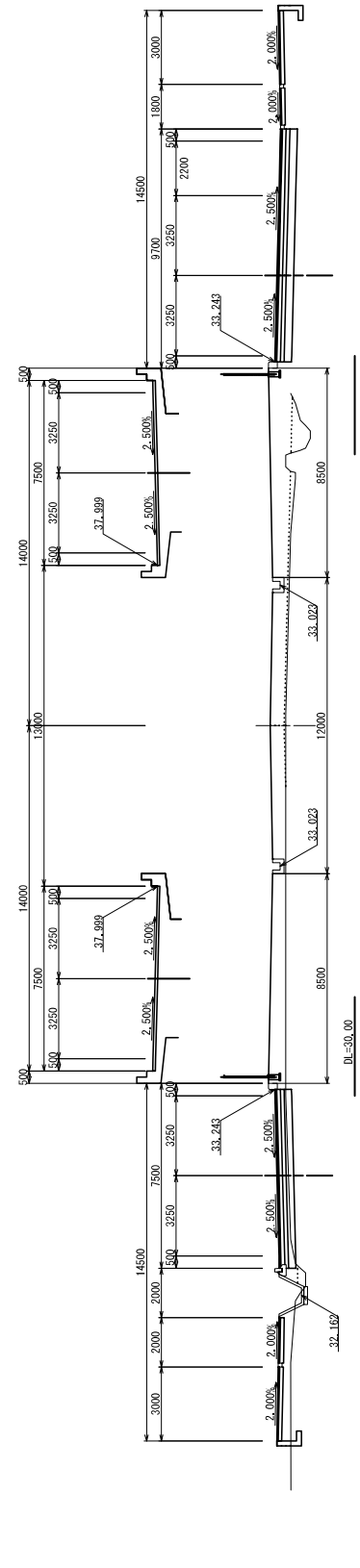
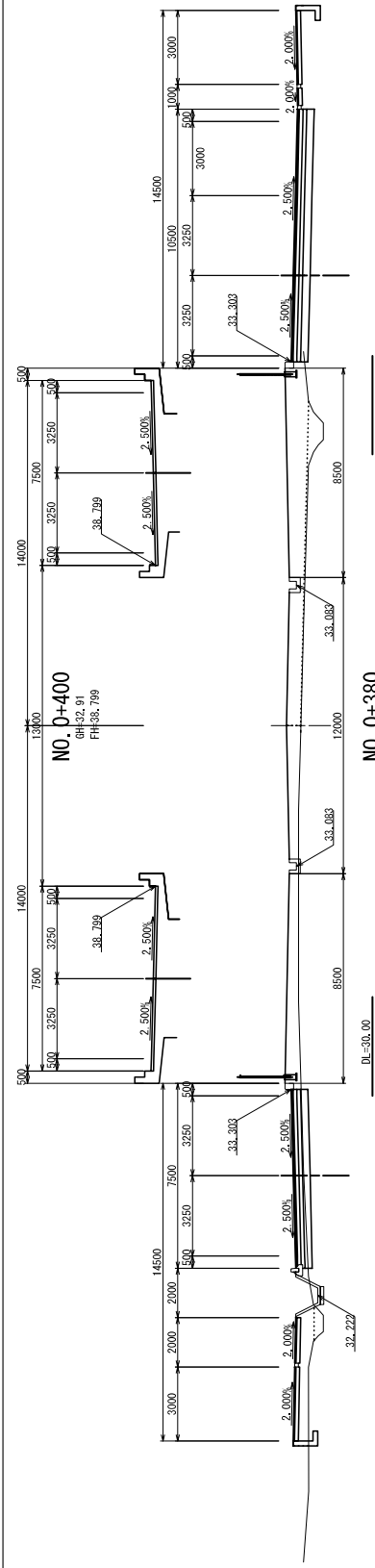



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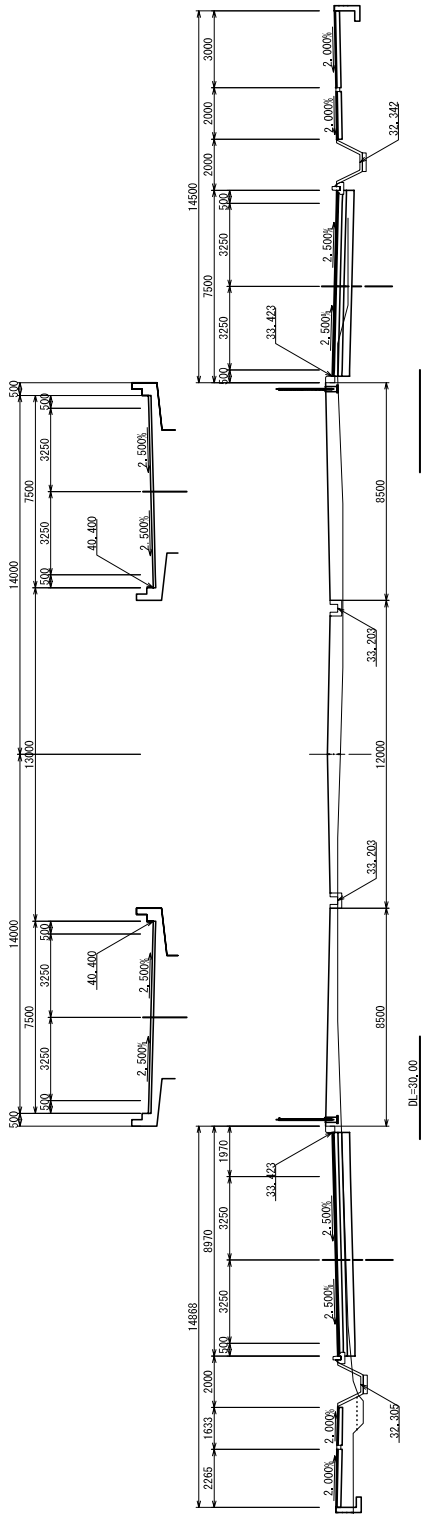
<p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p> 	<p>APPROVED:</p>	<p>PROJECT ENGINEER</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT</p>	<p>DESIGNED</p>	<p>DATE</p>	<p>REVISIONS</p>	<p>PROJECT Preparatory Survey on the Project for Improvement of TAZARA Intersection</p>
	<p>CHIEF EXECUTIVE</p>	<p>ORIENTAL CONSULTANTS CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.,</p>	<p>DRAWN</p>	<p>DESCRIPTION</p>	<p>CHECKED</p>	<p>DWG TITLE Jilink-Nyereke Rd Cross Section(s)</p>	<p>SCALE 1:200</p>
				<p>Ref.:SWRD</p>			<p>DWG No.</p>
							<p>Rev</p>



 <p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p>	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY	DESIGNED	DATE	REVISIONS	PROJECT
	PROJECT ENGINEER	CONSULTANT	Drawn	DESCRIPTION	DESCRIPTION	Preparatory Survey on the Project for Improvement of TAZARA Intersection
CHIEF EXECUTIVE	INTERNATIONAL CONSULTANTS CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.,	Checked	Checked		DWG TITLE	
		Ref.:SWRD	Ref.:SWRD		Julius K. Nyere Rd Cross Section(7)	SCALE
						1:200
					DATE:	Dwg. No.
						Rev

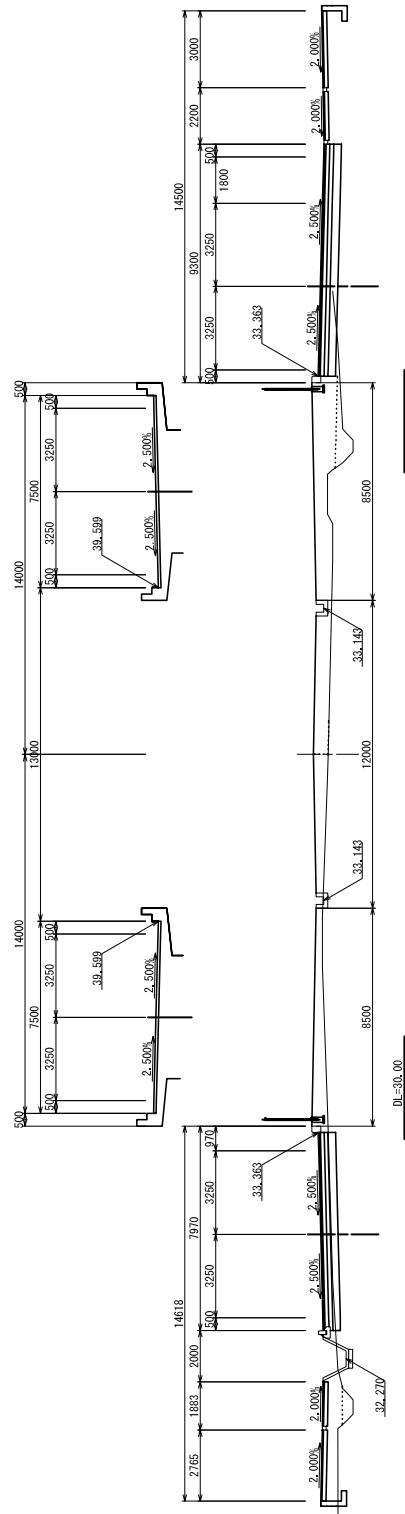
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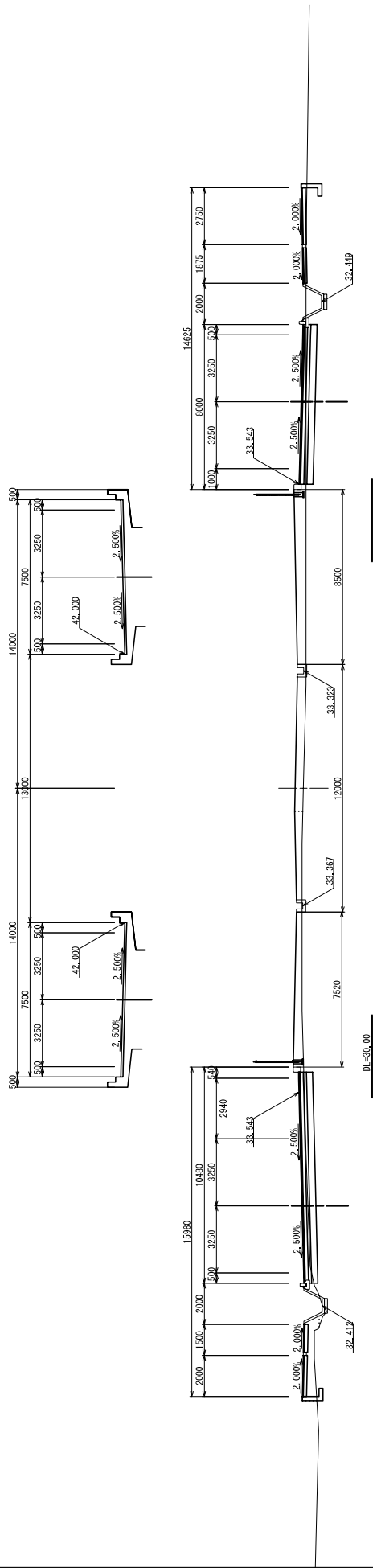
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 <p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p>	<p>APPROVED:</p> <p>PROJECT ENGINEER</p> <p>CHIEF EXECUTIVE</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT</p> <p>Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc..</p>		<p>Designed</p> <p>Drawn</p> <p>Checked</p> <p>Ref.:SWRD</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	DESCRIPTION							<p>PROJECT</p> <p>Preparatory Survey on the Project for Improvement of TAZARA Intersection</p>
	DATE	DESCRIPTION												
<p>SCALE</p> <p>1:200</p>	<p>DWG TITLE</p> <p>Julius K. Nyere Rd Cross Section</p>	<p>DATE:</p>	<p>Dwg. No.</p>	<p>Rev</p>										

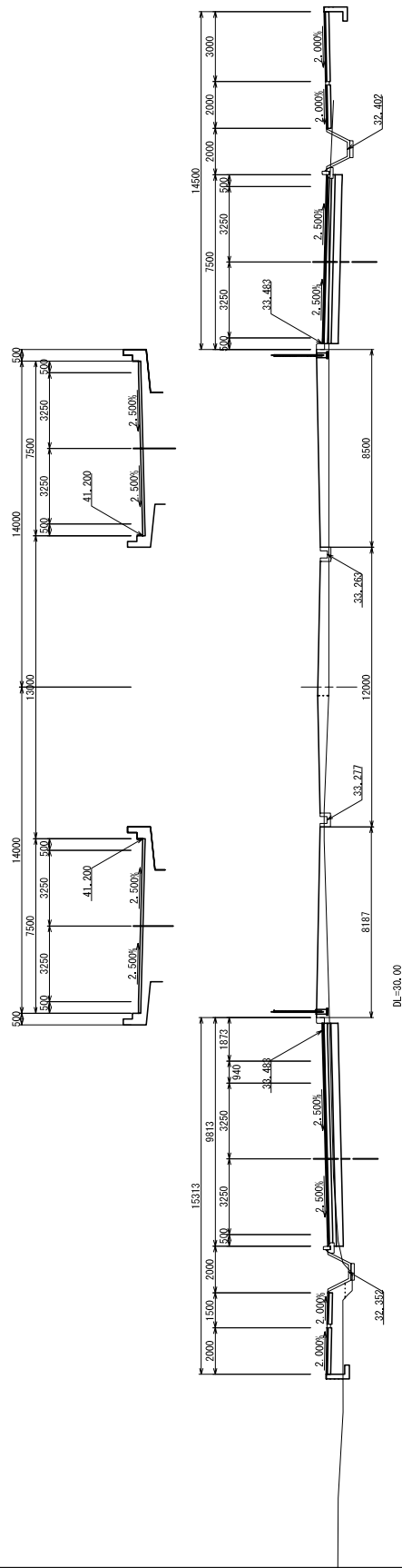
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NO. 0+460

GH=33.20
FH=41.200



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JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
International Development Center of Japan Inc.,

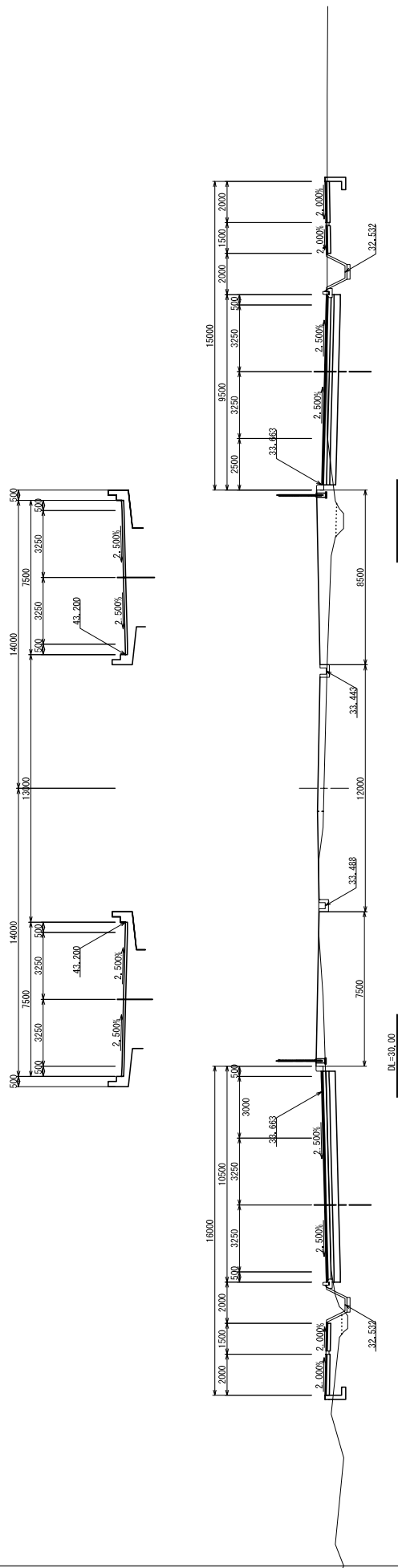
Designed
Drawn
Checked
Ref.:SWRD

REVISIONS	DATE	DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Jilink K Nyere Rd Cross Section
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

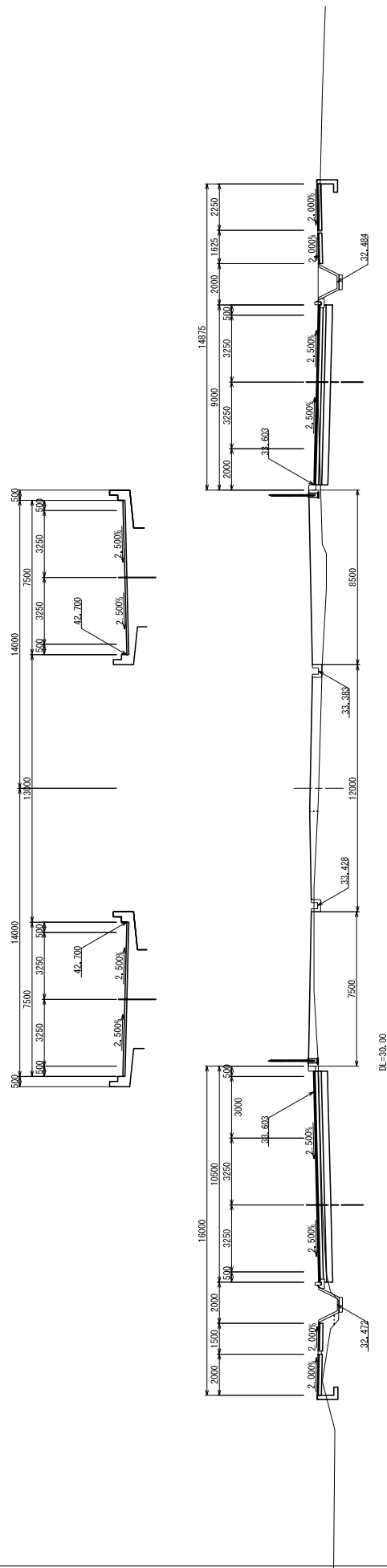
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NO. 0+500

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APPROVED:
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CHIEF EXECUTIVE

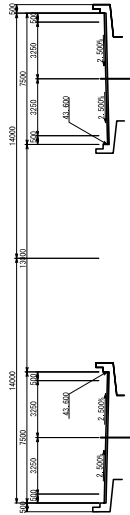
JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
International Development Center of Japan Inc.,

Designed
Drawn
Checked
Ref.:SWRD

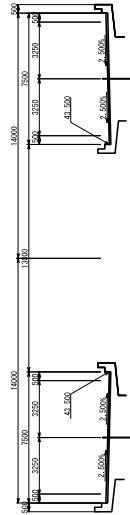
REVISIONS	DATE	DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Julius K. Nyerere Rd Cross Section(10)
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

NO. 0-560
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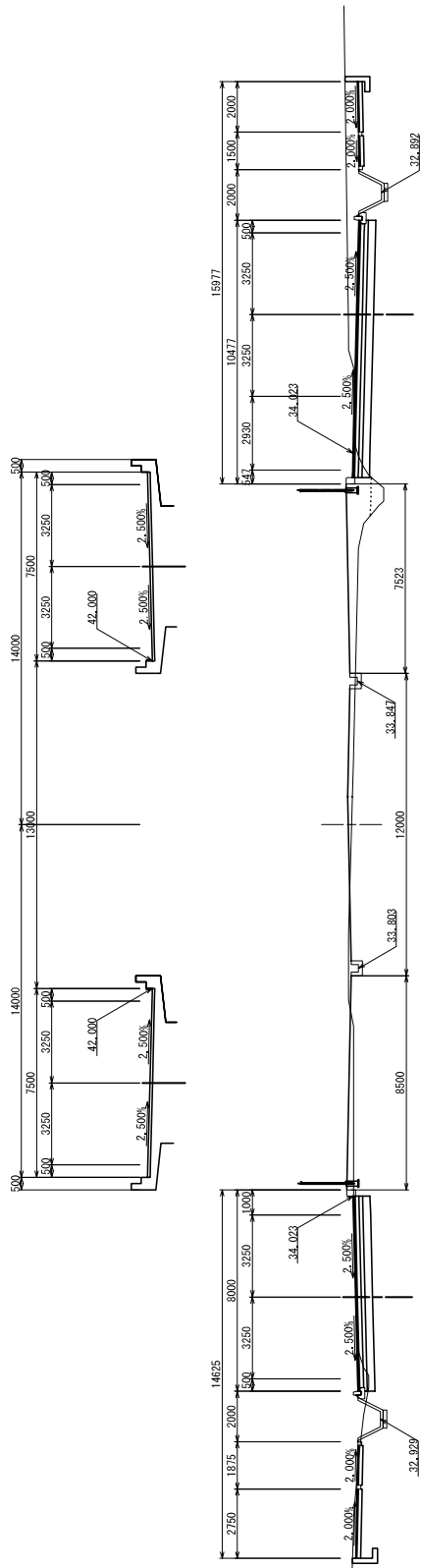
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 TANROADS TANAH NASIONAL JOMBANG AGENCY P.O. BOX 1304 SURABAYA	APPROVED: PROJECT ENGINEER (SIGNATURE)	JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.,	DESIGNED: DRAWN: CHECKED: (SIGNATURE)	DATE:	REVISOR: REVISION:	PROJECT: Preparatory Survey on the Project for Improvement of TAZARA Intersection
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NO. O+640

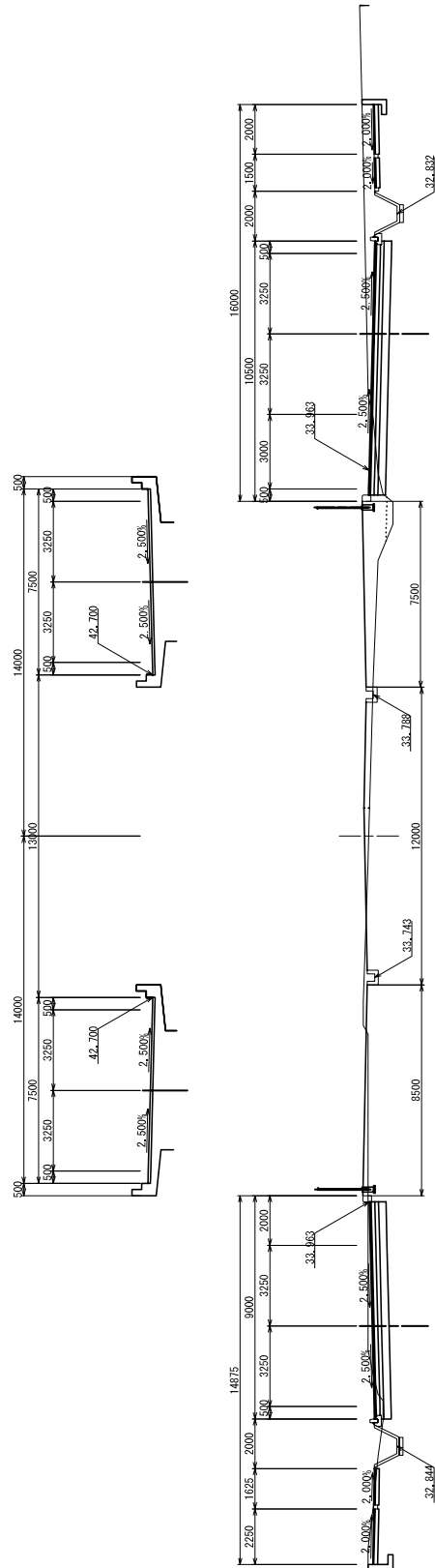
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DL=30.00

NO. O+620

OH=33.97
FH=42.700



DL=30.00

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APPROVED:
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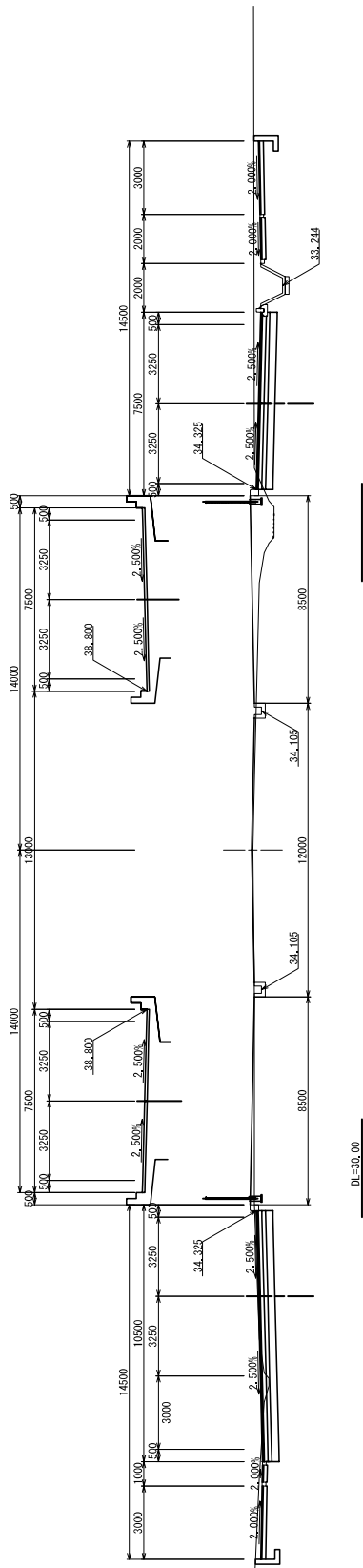
JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
International Development Center of Japan Inc.,

Designed
Drawn
Checked
Ref.:SWRD

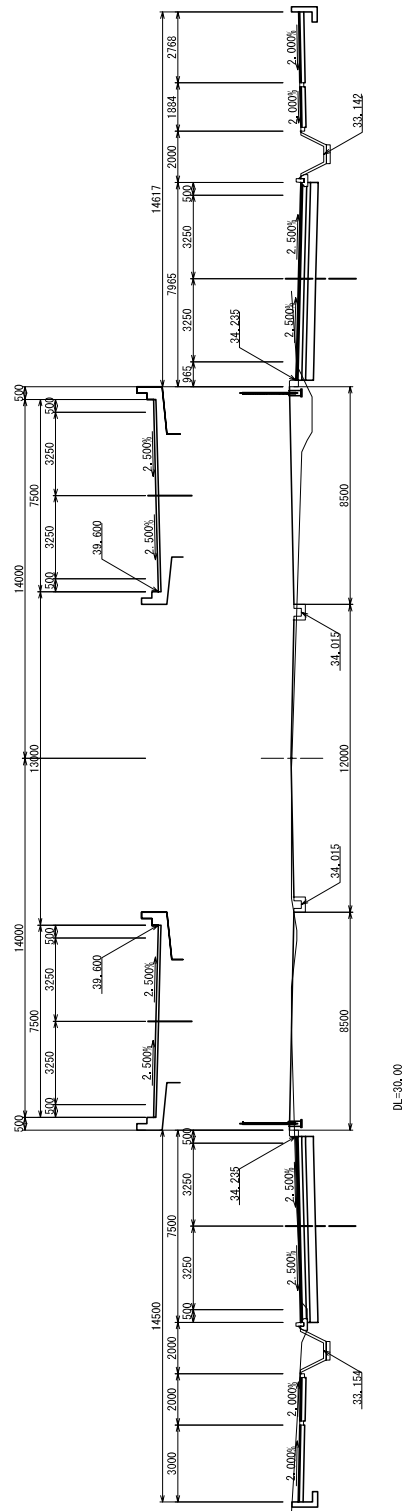
REVISIONS
DATE DESCRIPTION

PROJECT: Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE: Julius K. Nyerere Rd Cross Section(13)
SCALE: 1:200
DATE: _____
Dwg. No. _____
Rev _____

NO. 0+720
 FH=34.47
 FT=33.800



NO. 0+700
 FH=34.39
 FT=33.600



TANROADS
 TANZANIA NATIONAL ROADS AGENCY
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APPROVED:
 PROJECT ENGINEER
 CHIEF EXECUTIVE

JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANT
 Oriental Consultants CO., LTD.
 Eight-Japan Engineering Consultants Inc.,
 International Development Center of Japan Inc.,

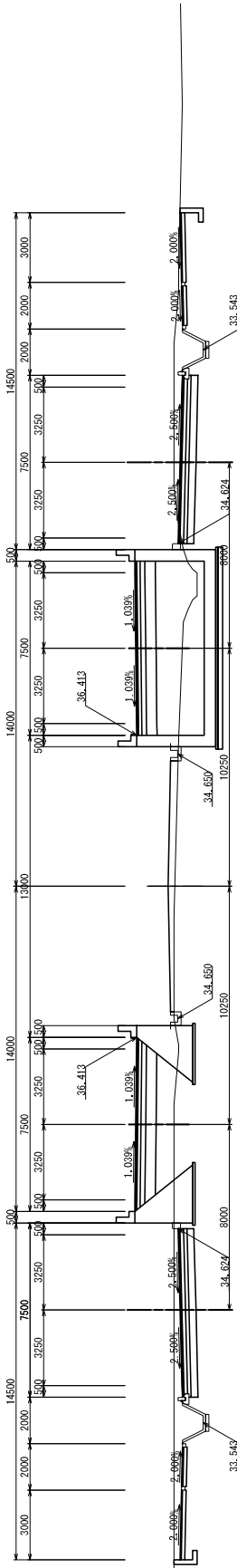
Designed
 Drawn
 Checked
 Ref.:SWRD

REVISIONS	DATE	DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Julius K. Nyerere Rd Cross Section(15)
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

NO. 0+780

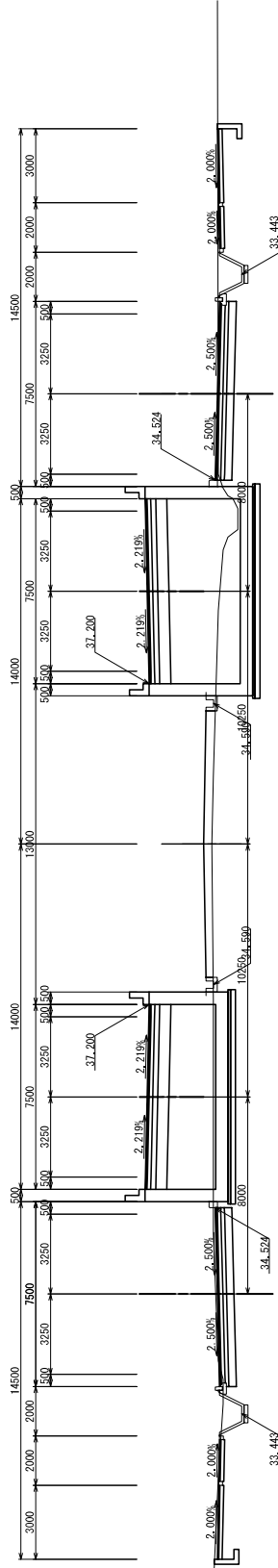
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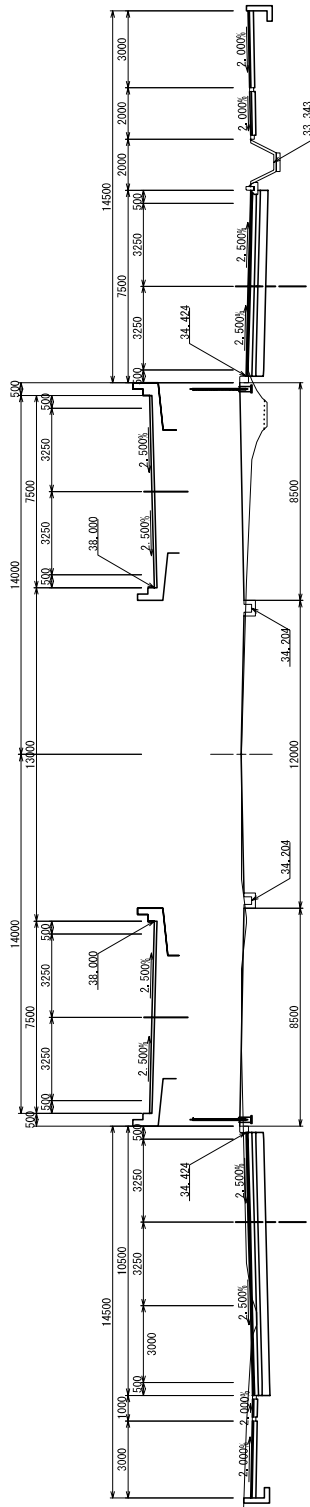
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DL=30.00

NO. 0+740

GH=34.60
FH=38.000



DL=30.00



TANROADS
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APPROVED:
PROJECT ENGINEER
CHIEF EXECUTIVE

JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
International Development Center of Japan Inc.,

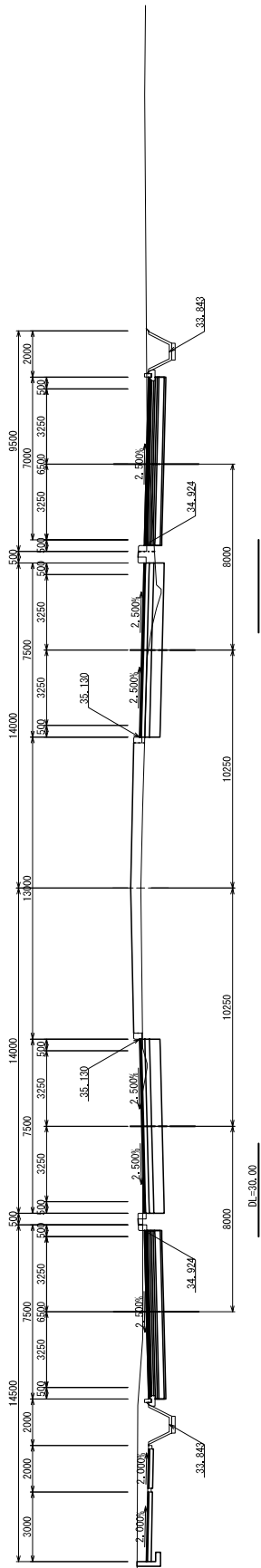
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Drawn
Checked
Ref.:SWRD

REVISIONS
DATE DESCRIPTION

PROJECT: Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE: Julius K. Nyerere Rd Cross Section(16)
SCALE: 1:200
DATE: _____
Dwg. No. _____
Rev _____

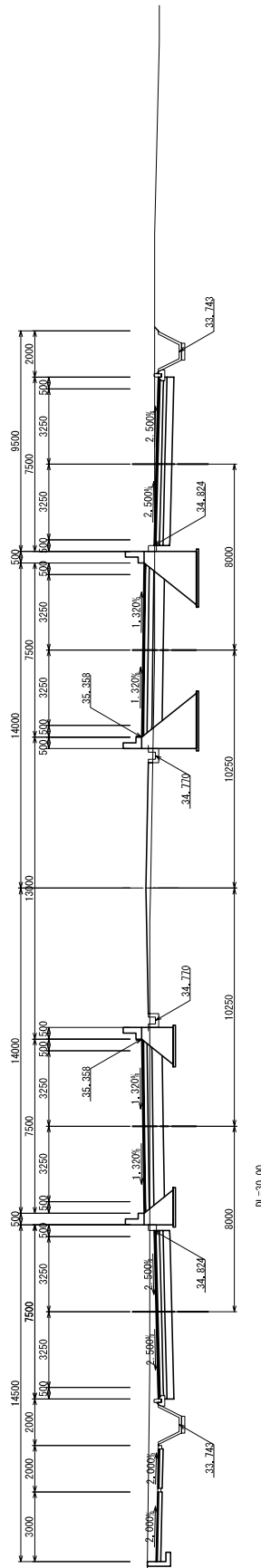
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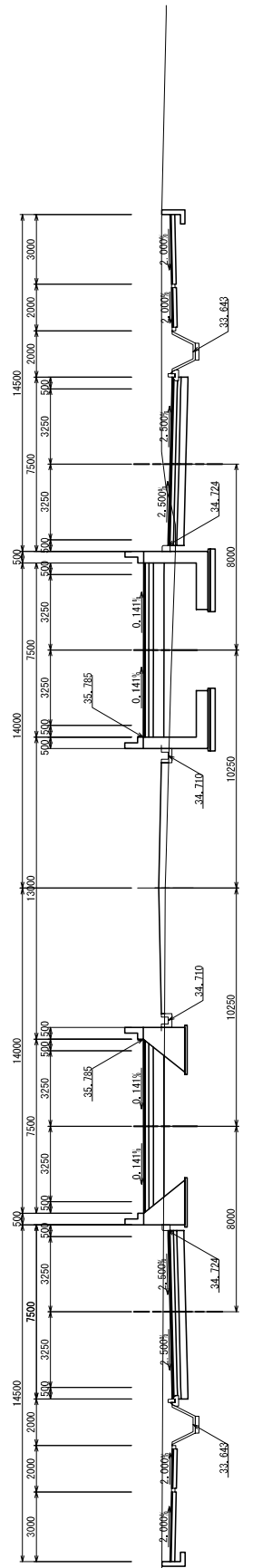
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NO. 0+800

GH=34.84
FH=35.785



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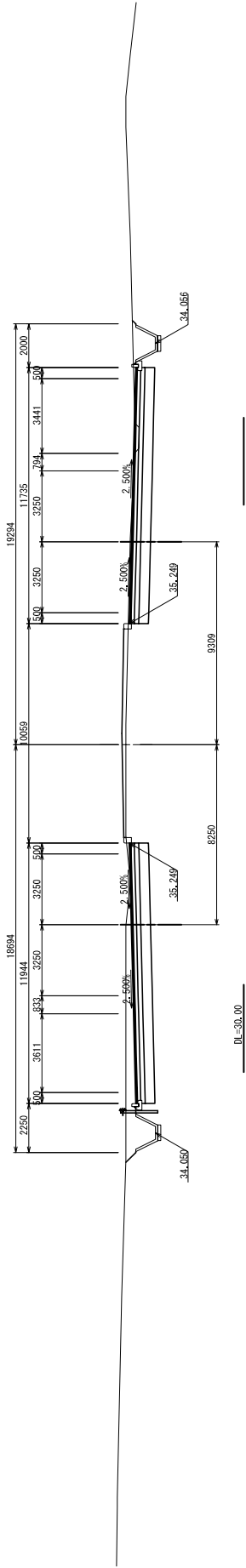
JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
International Development Center of Japan Inc.,

Designed
Drawn
Checked
Ref.:SWRD

REVISIONS
DATE DESCRIPTION

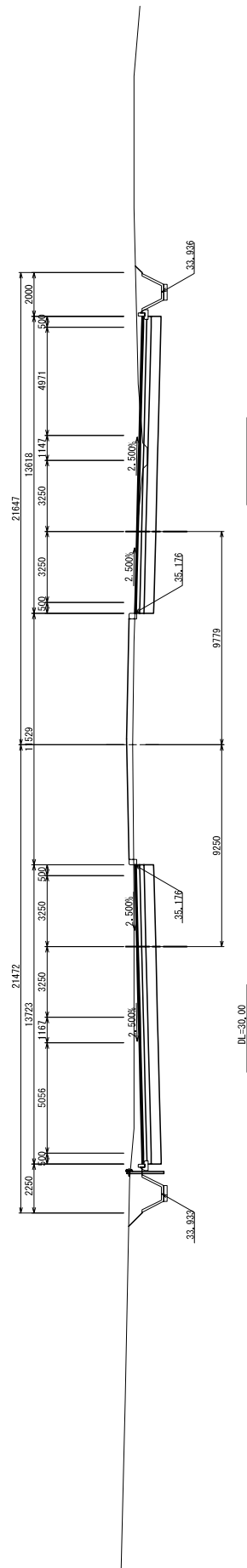
PROJECT: Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE: Julius K. Nyerere Rd-Cross Section(17)
SCALE: 1:200
DATE: _____
Dwg. No. _____
Rev _____

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 FH=35.249



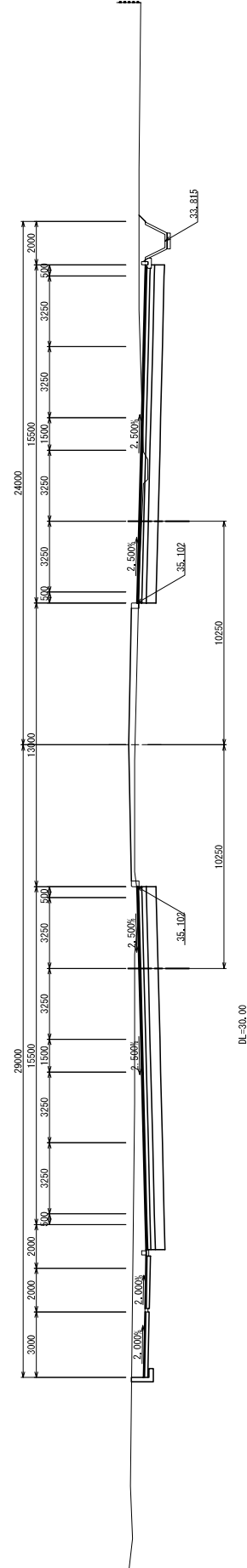
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 GH=35.18
 FH=35.102



DL=30.00



TANROADS
 TANZANIA NATIONAL ROADS AGENCY
 P.O. Box 11364
 DAR ES SALAAM

APPROVED:
 PROJECT ENGINEER
 CHIEF EXECUTIVE

JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
 International Development Center of Japan Inc.,

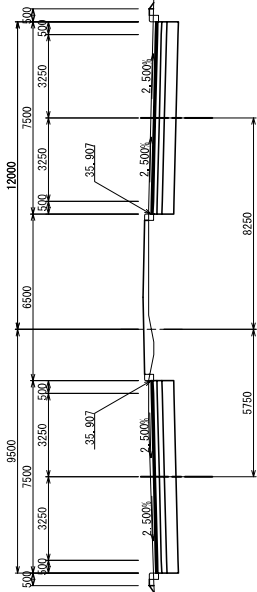
Designed
 Drawn
 Checked
 Ref.:SWRD

REVISIONS	DATE	DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Julius K. Nyerere Rd Cross Section(18)
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

NO. 1+79.985

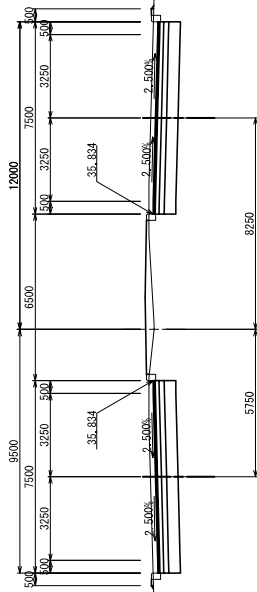
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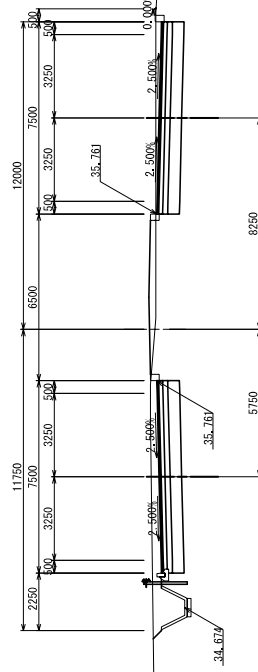
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FH=35.834



DL=30.00

NO. 1+40

GH=35.83
FH=35.761



DL=30.00



TANROADS
TANZANIA NATIONAL ROADS AGENCY
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PROJECT ENGINEER
CHIEF EXECUTIVE

JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANT
Oriental Consultants CO., LTD.
Eight-Japan Engineering Consultants Inc.,
International Development Center of Japan Inc.,

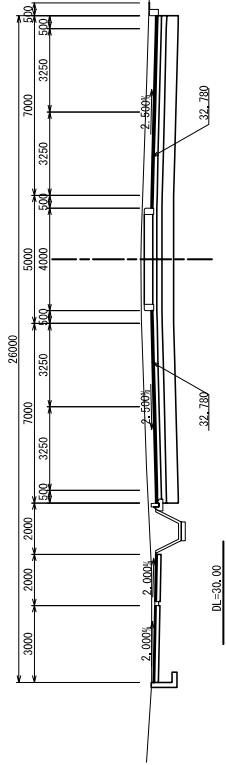
Designed
Drawn
Checked
Ref.:SWRD

REVISIONS	DATE	DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Julius K. Nyerere Rd Cross Section(2)
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

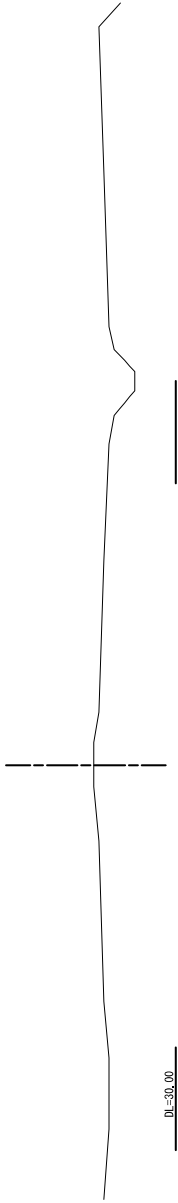
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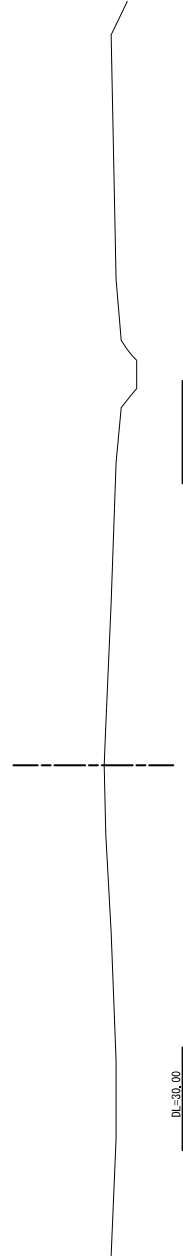
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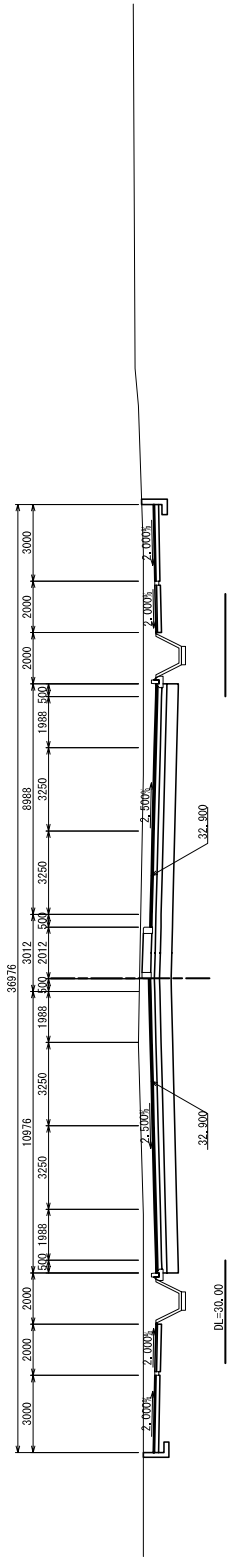
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FH=32.699



 <p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p>	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY		DESIGNED DRAWN CHECKED Ref.:SWRD	REVISIONS DATE DESCRIPTION	PROJECT
	PROJECT ENGINEER	CONSULTANT				PROJECT
	CHIEF EXECUTIVE	Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.,				Preparatory Survey on the Project for Improvement of TAZARA Intersection
						DWG TITLE
						Nelson Mandela Rd Cross Section(1)
						SCALE
						1:200
						DATE:
						Dwg. No.
						Rev

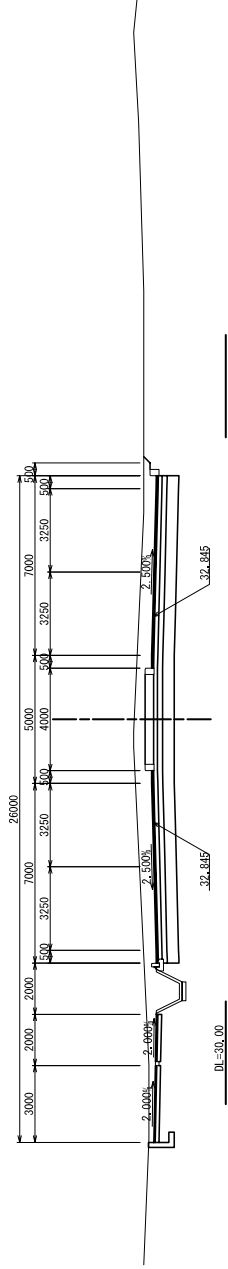
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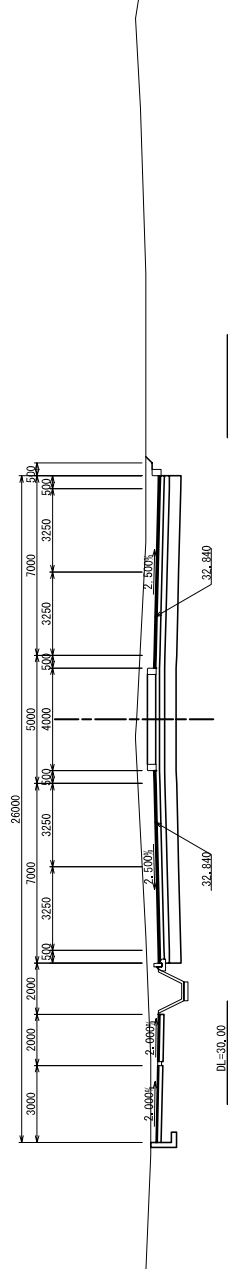
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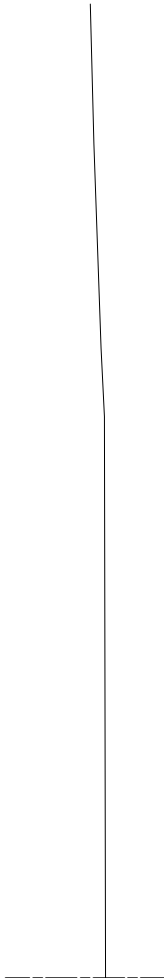
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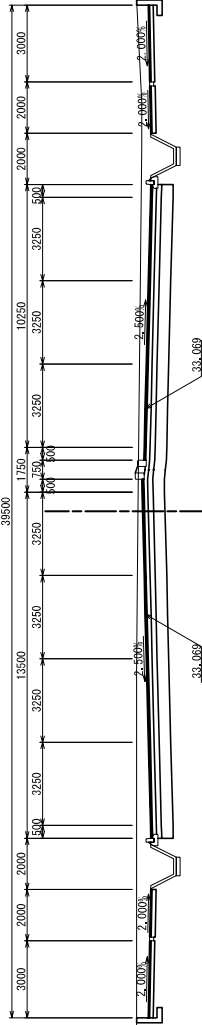
 <p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p>	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY	Designed	REVISIONS	PROJECT
	PROJECT ENGINEER	CONSULTANT	Drawn	DATE	Preparatory Survey on the Project for Improvement of TAZARA Intersection
CHIEF EXECUTIVE	ORIENTAL CONSULTANTS CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.	Checked	DATE	DWG TITLE	Nelson Mandela Rd Cross Section(?)
		Ref.:SWRD	DATE	SCALE	1:200
			DATE	Dwg. No.	Rev

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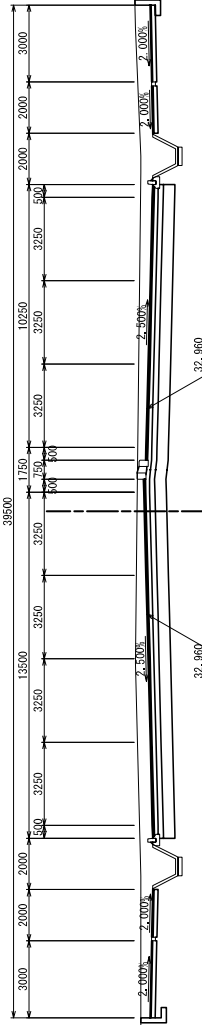
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 FH=33.069



DL=30.00

NO. 0-80
 GH=33.34
 FH=32.960



DL=30.00



TANROADS
 TANZANIA NATIONAL ROADS AGENCY
 P.O. Box 11364
 DAR ES SALAAM

APPROVED:
 PROJECT ENGINEER
 CHIEF EXECUTIVE

JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANT
 Oriental Consultants CO., LTD.
 Eight-Japan Engineering Consultants Inc.,
 International Development Center of Japan Inc.,

Designed
 Drawn
 Checked
 Ref.:SWRD

DATE	REVISIONS DESCRIPTION

PROJECT	Preparatory Survey on the Project for Improvement of TAZARA Intersection
DWG TITLE	Nelson Mandela Rd Cross Section(3)
SCALE	1:200
DATE:	
Dwg. No.	
Rev	

NO. 0+20
 GH=33.55
 FH=33.787

DL=30.00

NO. 0
 GH=33.61
 FH=33.887

DL=30.00

NO. 0-20
 GH=33.42
 FH=33.787

DL=30.00



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 TANZANIA NATIONAL ROADS AGENCY
 P.O. Box 11364
 DAR ES SALAAM

APPROVED:
 PROJECT ENGINEER
 CHIEF EXECUTIVE

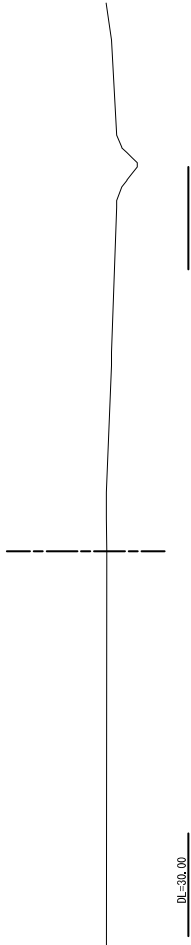
JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANT
 Oriental Consultants CO., LTD.
 Eight-Japan Engineering Consultants Inc.,
 International Development Center of Japan Inc.,

Designed
 Drawn
 Checked
 Ref.:SWRD

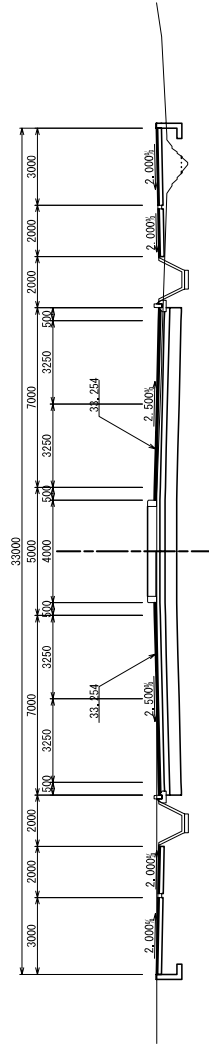
REVISIONS
 DATE DESCRIPTION

PROJECT
 Preparatory Survey on the Project for Improvement of TAZARA Intersection
 DWG TITLE
 Nelson Mandela Rd Cross Section(4)
 SCALE
 1:200
 DATE: _____ Dwg. No. _____ Rev _____

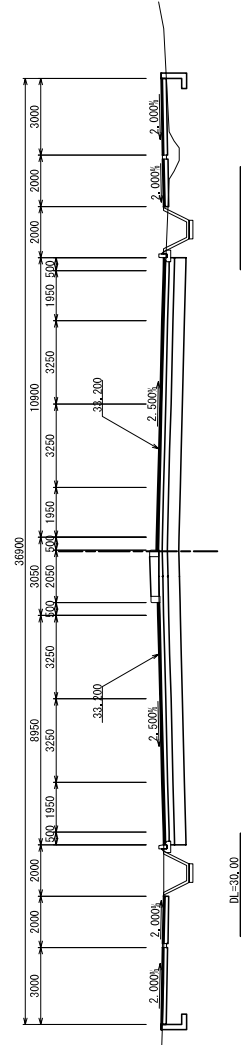
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 FH=33.254



NO. 0+100
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 FH=33.200



 TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11764 DAR ES SALAAM	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY	Designed Drawn Checked Ref.:SWRD	REVISIONS DATE DESCRIPTION	PROJECT
	PROJECT ENGINEER	CONSULTANT			PROJECT
CHIEF EXECUTIVE	PROJECT ENGINEER	Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.	DWG TITLE	DWG TITLE	SCALE
	CHIEF EXECUTIVE				Nelson Mandela Rd Cross Section(s)
					1:200
					DATE:
					Dwg. No.
					Rev

Railing

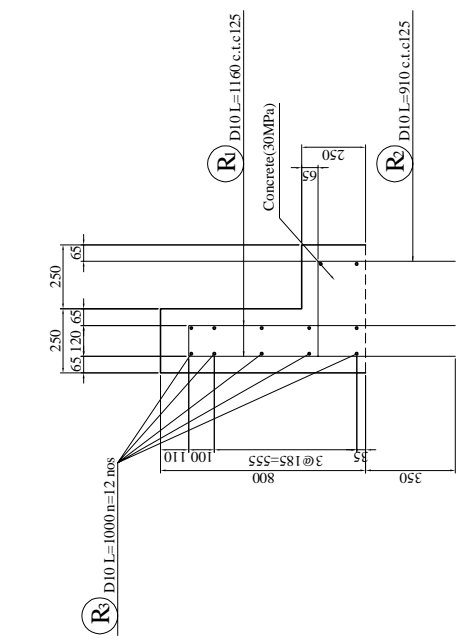
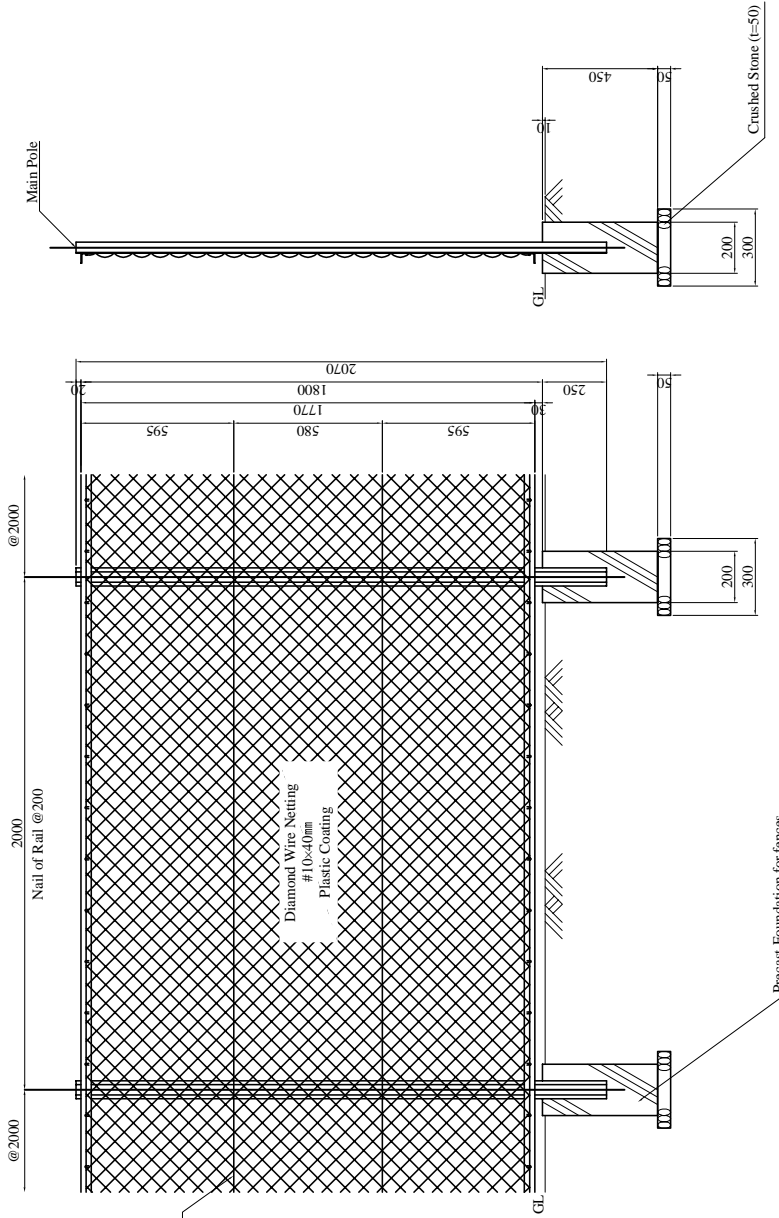
SCALE A3 1:20

Fence

SCALE A3 1:20

Front View

Side View



MATERIALS LIST PER m


CLASSIFICATION	STANDARD	UNIT	QUANTITY	REMARK
CONCRETE	ckc=30MPa	cu.m	0.26	
FORM		sq.m	1.60	
REINFORCED	D10	kg	14.52	

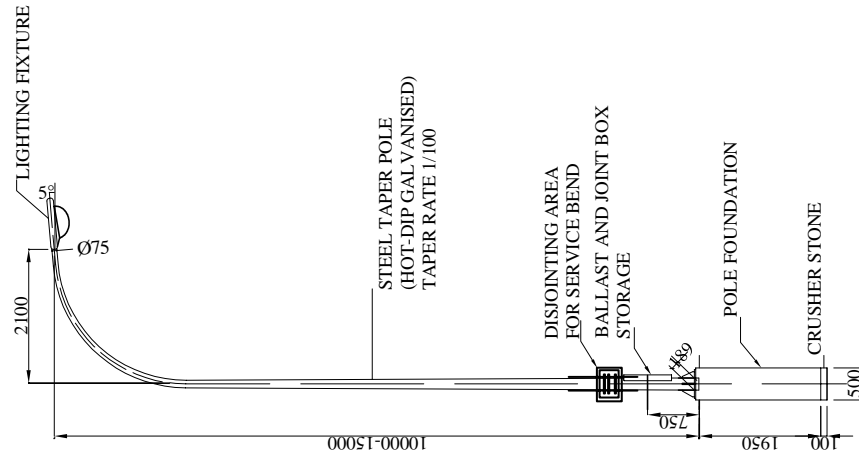
MATERIALS LIST PER 100 m

CLASSIFICATION	STANDARD	UNIT	QUANTITY	REMARK
FENCE		m	100.00	
Main Pole		nos	50.00	
Foundation For fences		nos	50.00	

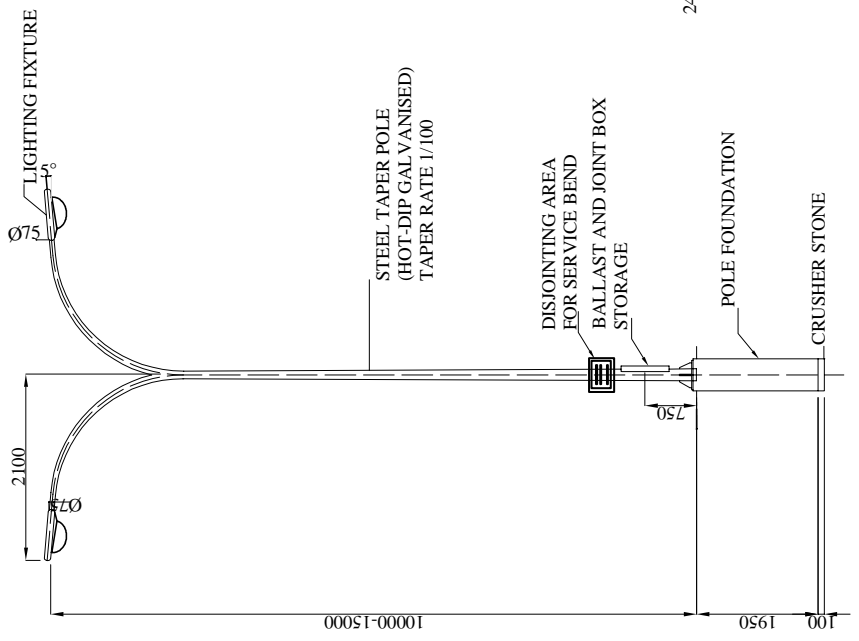
MATERIALS LIST (Foundation for fence) PER each

CLASSIFICATION	STANDARD	UNIT	QUANTITY	REMARK
EXCAVATION		cu.m	0.314	
FILLING		cu.m	0.292	
SURPLUS SOIL		cu.m	0.022	
FOUNDATION	1=50	Sqm	0.090	
Precast Foundation		nos	1.000	

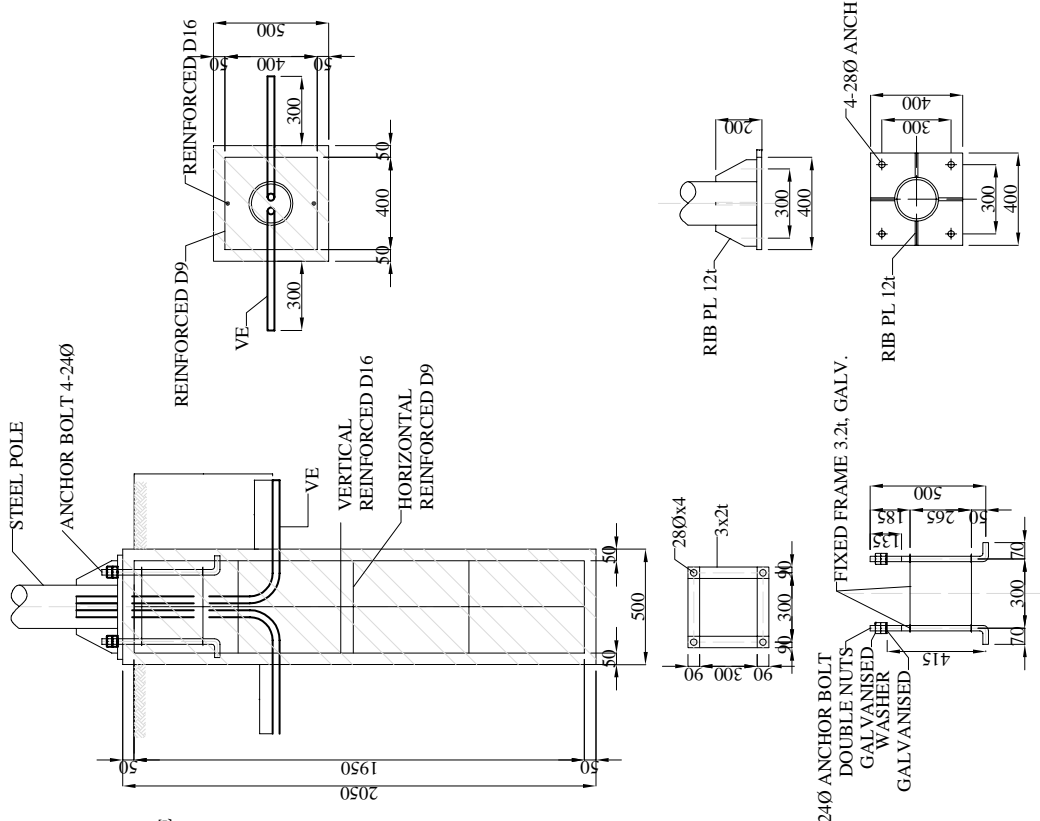
 TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM	APPROVED: PROJECT ENGINEER CHIEF EXECUTIVE	JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.,	REVISIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	DATE	DESCRIPTION		
DATE	DESCRIPTION						
PROJECT: Preparatory Survey on the Project for Improvement of TAZARA Intersection		DWG TITLE Railing	SCALE As shown				
DATE:		Dwg. No.	Rev				



**LA01-13
LB01-13**




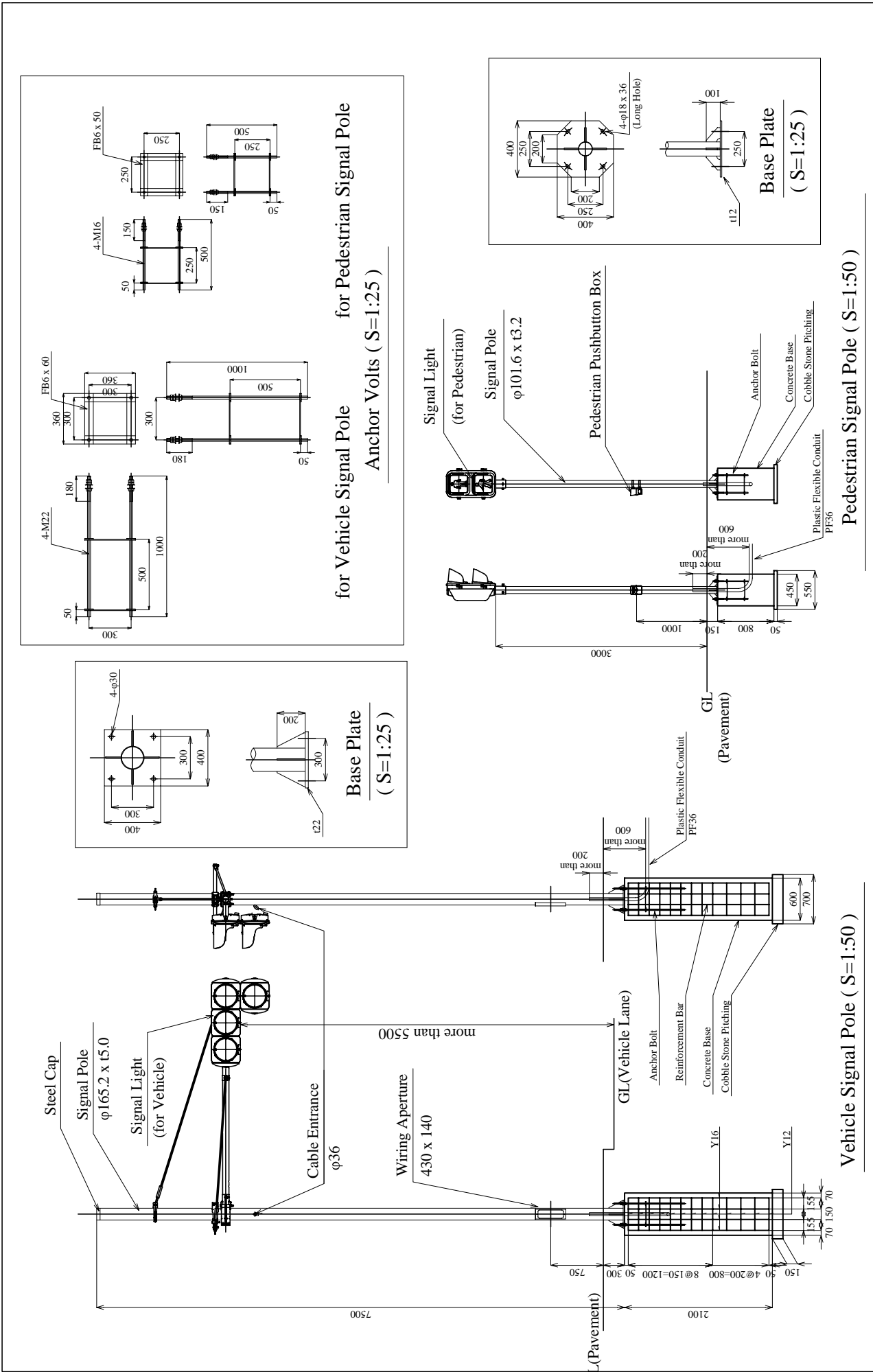
LA14-15



Street Lights

Street Light Foundation

 <p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p>	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT	DESIGNED	REVISIONS	PROJECT
	PROJECT ENGINEER	ORIENTAL CONSULTANTS CO., LTD. EIGHT-JAPAN ENGINEERING CONSULTANTS INC., INTERNATIONAL DEVELOPMENT CENTER OF JAPAN INC.,	DRAWN	DESCRIPTION	PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF TAZARA INTERSECTION
	CHIEF EXECUTIVE		CHECKED	DATE	
			Ref.:SWRD		
					DWG TITLE
					Street Light (3)
					SCALE
					NON
					DATE:
					Dwg. No.
					Rev



<p>TANROADS TANZANIA NATIONAL ROADS AGENCY P.O. Box 11364 DAR ES SALAAM</p>	APPROVED:	JAPAN INTERNATIONAL COOPERATION AGENCY CONSULTANT	REVISIONS	PROJECT
	PROJECT ENGINEER	Oriental Consultants CO., LTD. Eight-Japan Engineering Consultants Inc., International Development Center of Japan Inc.,	DATE	Preparatory Survey on the Project for Improvement of TAZARA Intersection
CHIEF EXECUTIVE		DESIGNED	DWG TITLE	SCALE
		DRAWN	Signal Poles	As Shown
		CHECKED	DATE:	Dwg. No.
		REF./SWRD		Rev