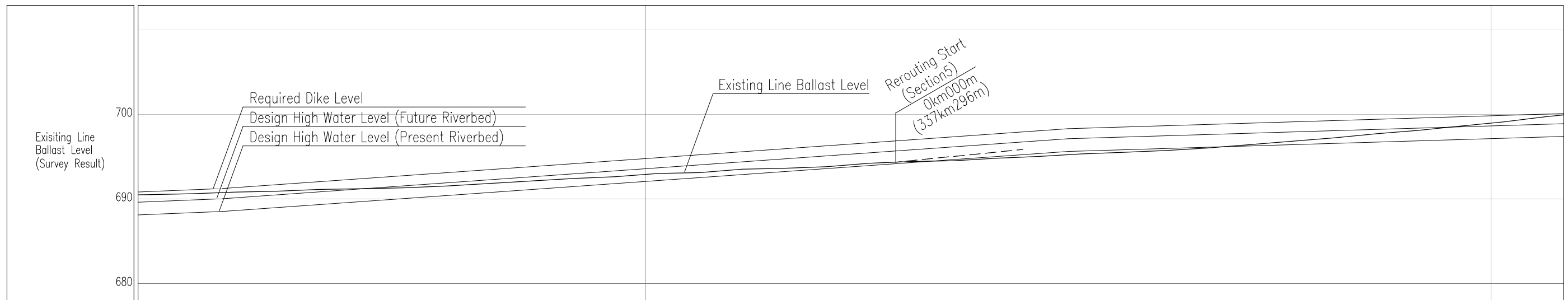
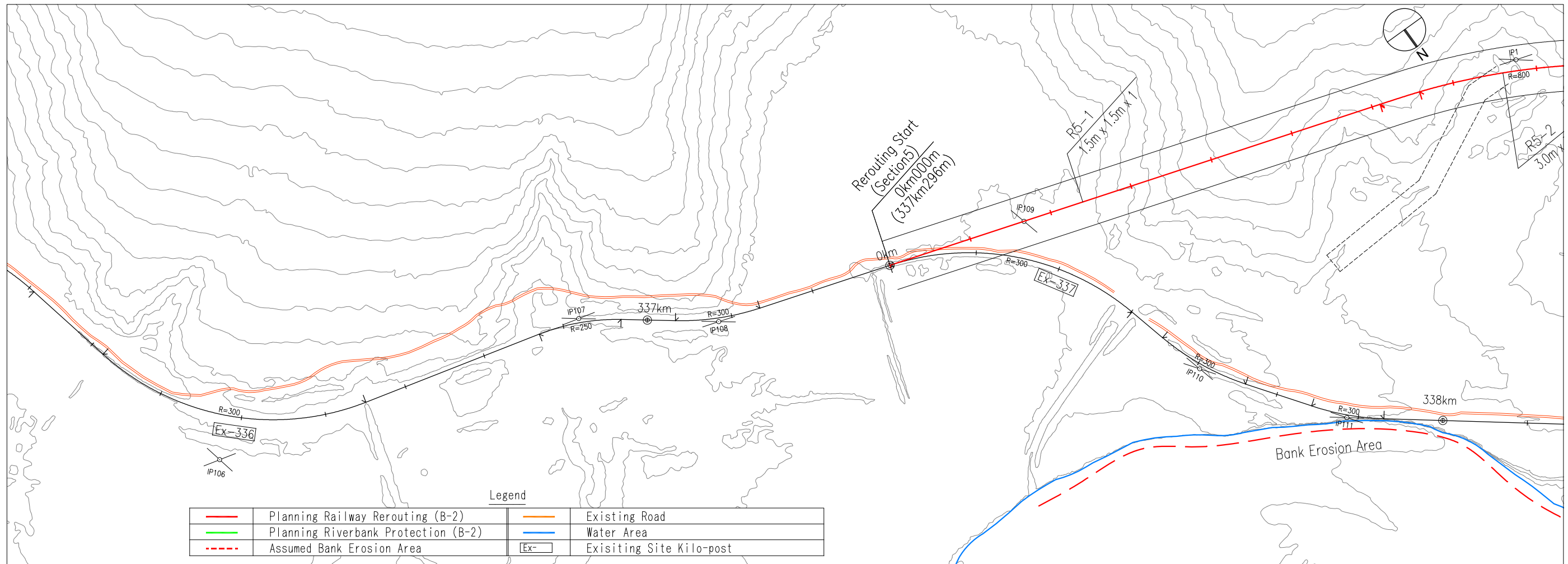


Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	690.51	690.55	690.59	690.66	690.74	690.81	690.85	690.89	690.96	691.04	691.11	691.15	691.19	691.23	691.27	691.32	691.40	691.48	691.59	691.71	691.83	691.95	692.07	692.19	692.31	692.42	692.50	692.58	692.72	692.88	693.01	693.05	693.09	693.22	693.38	693.51	693.55	693.59	693.66	693.74	693.84	694.00	694.16	694.26	694.34	694.41	694.45	694.49	694.59	694.71	694.82	694.90	694.98	695.09	695.21	695.32	695.40	695.48	695.56	695.64	695.73	695.85	695.97	696.12	696.28	696.44	696.60	696.76	696.92	697.08	697.25	697.45	697.65	697.82	697.98	698.15	698.35	698.55	698.75	698.95	699.16	699.40	699.64	699.85
Existing Line Curvature	IP106 R=300m					IP107 R=250m					IP108 R=300m					IP109 R=300m					IP110 R=300m					IP111 R=300m																																																										
Kilometrage (Re-Setting)	5					6					7					8					9					337					1					2					3					4					5					6					7					8					9					338								
Kilometrage (Site Kilo Post)	Km336																														Km337																																																					

GOVERNMENT AGENCIES:



Japan International Cooperation Agency



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

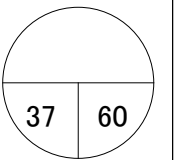
PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

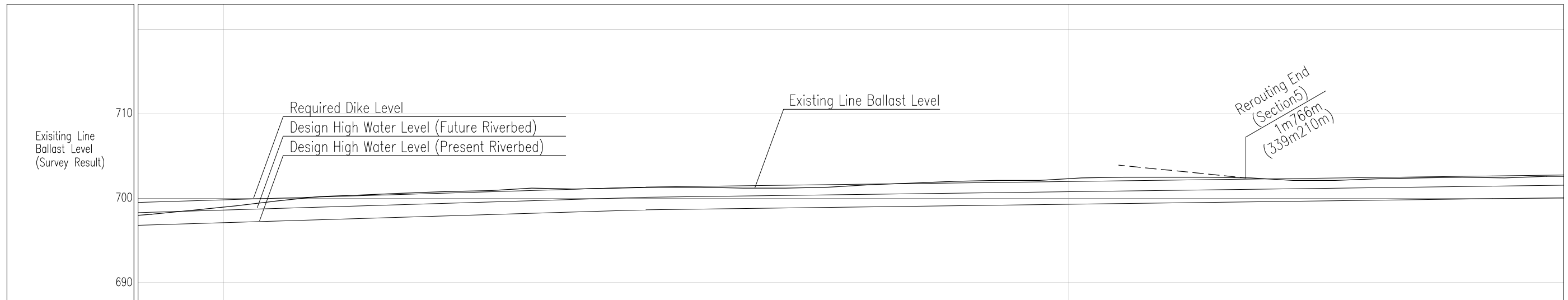
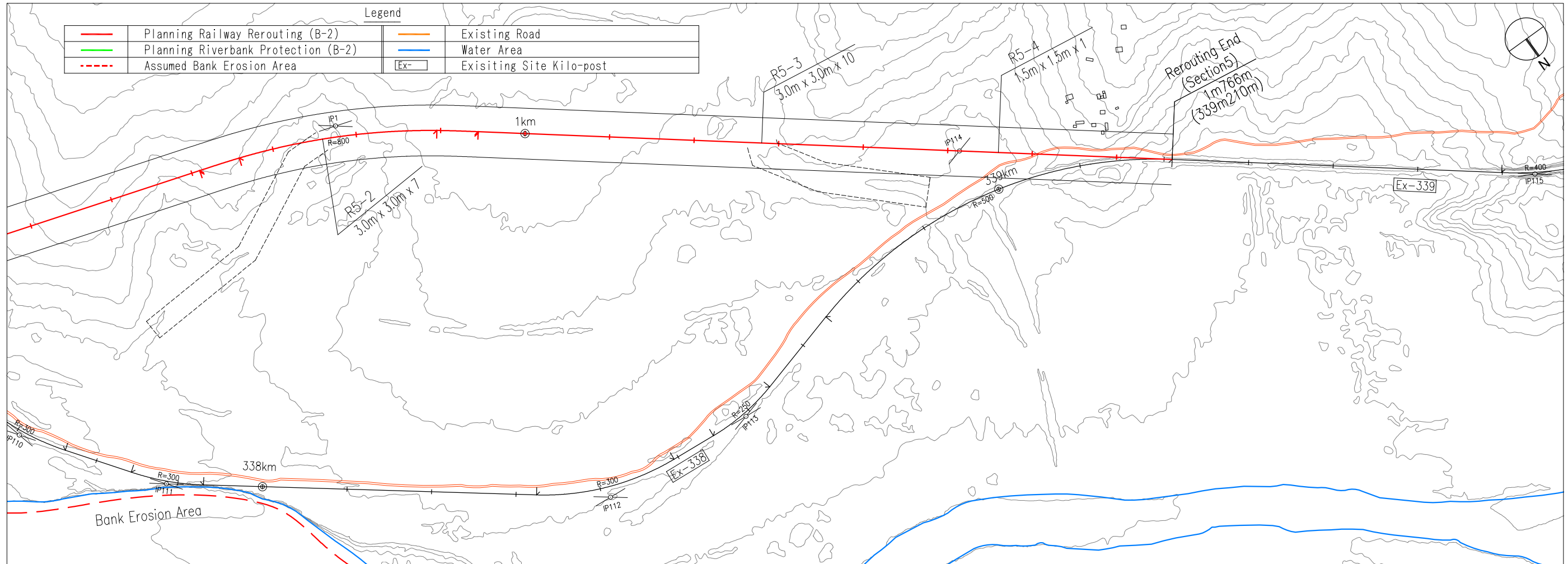
SHEET CONTENTS:

DWG NUM



Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	698.15	698.35	698.55	698.75	698.95	699.16	699.40	699.64	699.85	700.05	700.22	700.30	700.38	700.46	700.54	700.62	700.70	700.78	700.83	700.87	700.93	701.05	701.17	701.17	701.13	701.11	701.15	701.19	701.23	701.27	701.30	701.30	701.30	701.27	701.20	701.20	701.23	701.27	701.33	701.45	701.57	701.66	701.74	701.82	701.90	701.98	702.03	702.07	702.10	702.10	702.10	702.19	702.31	702.41	702.45	702.49	702.50	702.50	702.50	702.50	702.47	702.43	702.37	702.25	702.13	702.10	702.10	702.12	702.20	702.28	702.33	702.37	702.41	702.45	702.49	702.47	702.43	702.42	702.50	702.58	702.60
Existing Line Curvature	m																																	IP112 R=300m			IP113 R=250m			IP114 R=500m			m																																						
Kilometrage (Re-Setting)	338																																	1			2			3			4			5			6			7			8			9			339			1			2			3			4			5			6		
Kilometrage (Site Kilo Post)	Km338																																	Km339																																															

GOVERNMENT AGENCIES:



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on
Flood Protection
Measures for Central
Railway Line in the United
Republic of Tanzania

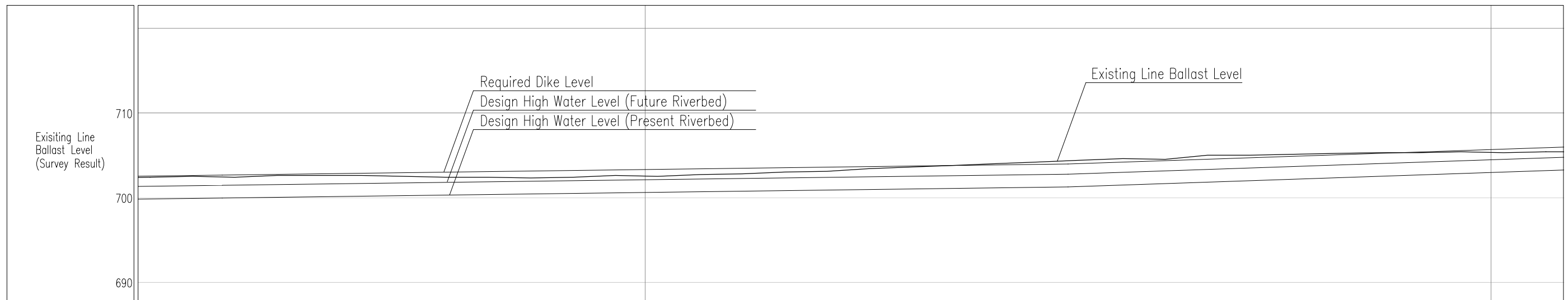
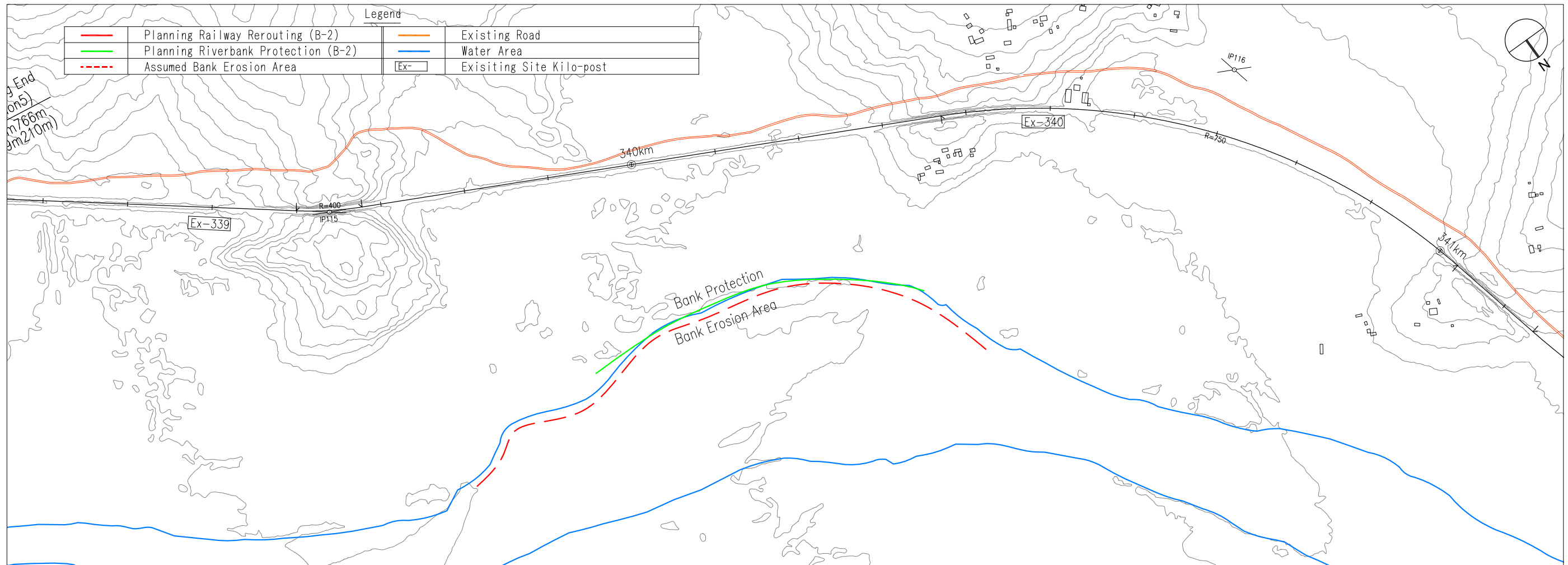
SHEET CONTENTS:

DWG NUM

38	60
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Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	702.41	702.45	702.49	702.47	702.43	702.42	702.60	702.58	702.60	702.60	702.60	702.60	702.60	702.57	702.53	702.49	702.45	702.41	702.40	702.39	702.35	702.31	702.33	702.37	702.42	702.50	702.58	702.57	702.53	702.52	702.60	702.68	702.73	702.77	702.82	702.90	702.98	703.03	703.07	703.13	703.25	703.37	703.46	703.54	703.62	703.70	703.78	703.86	703.94	704.02	704.10	704.18	704.26	704.34	704.42	704.50	704.58	704.67	704.53	704.55	704.75	704.95	705.00	705.00	705.01	705.05	705.09	705.13	705.17	705.21	705.25	705.29	705.30	705.30	705.31	705.35	705.39	705.37	705.33	705.31	705.35	705.39	705.40
Existing Line Curvature																				IP115 R=400m																					R=750m IP116																																										
Kilometrage (Re-Setting)																				340																				340																																											
Kilometrage (Site Kilo Post)	Km339																																						Km340																																												

GOVERNMENT AGENCIES:



Japan International Cooperation Agency



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

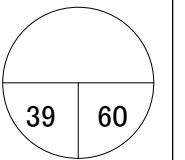
PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

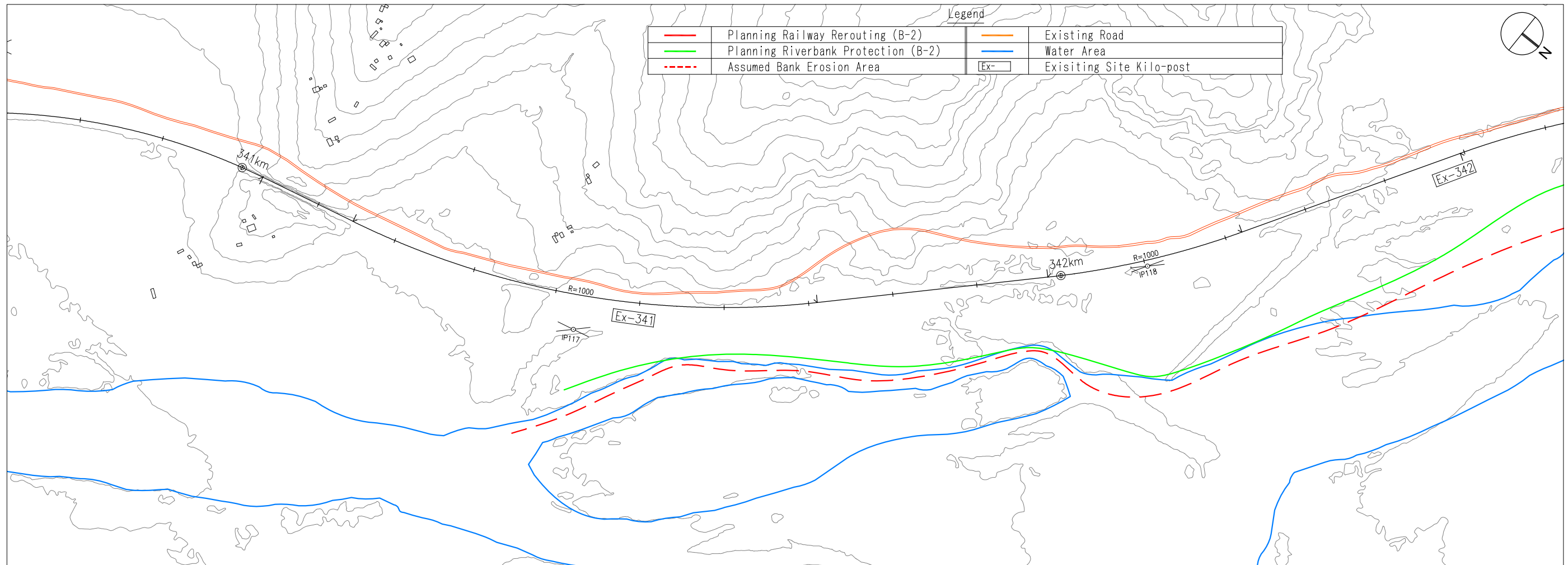
SHEET CONTENTS:

DWG NUM



Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	705.31	705.35	705.39	705.37	705.33	705.31	705.35	705.39	705.40	705.40	705.39	705.35	705.31	705.36	705.41	705.45	705.41	705.37	705.33	705.31	705.35	705.39	705.40	705.40	705.40	705.43	705.47	705.48	705.40	705.32	705.33	705.37	705.40	705.40	705.49	705.49	705.61	705.72	705.80	705.88	705.96	706.04	706.14	706.30	706.46	706.65	706.85	707.02	707.10	707.18	707.29	707.41	707.46	707.30	707.14	707.16	707.24	707.33	707.45	707.57	707.69	707.81	707.94	708.10	708.26	708.42	708.58	708.73	708.85	708.97	709.09	709.21	709.33	709.45	709.57	709.69
Existing Line Curvature	IP117 R=1000m																																	IP118 R=1000m																																										
Kilometrage (Re-Setting)	341																																	342																																										
Kilometrage (Site Kilo Post)	Km341																																	Km342																																										

GOVERNMENT AGENCIES:



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

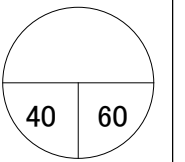
PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

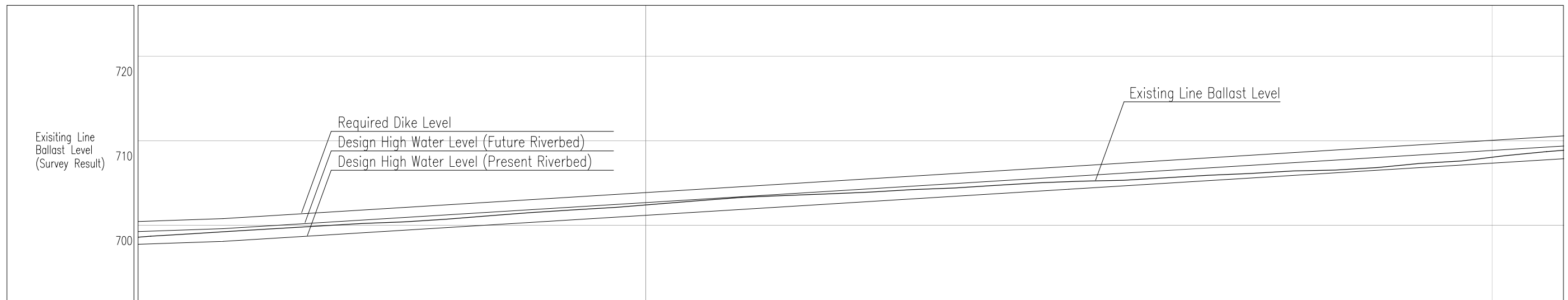
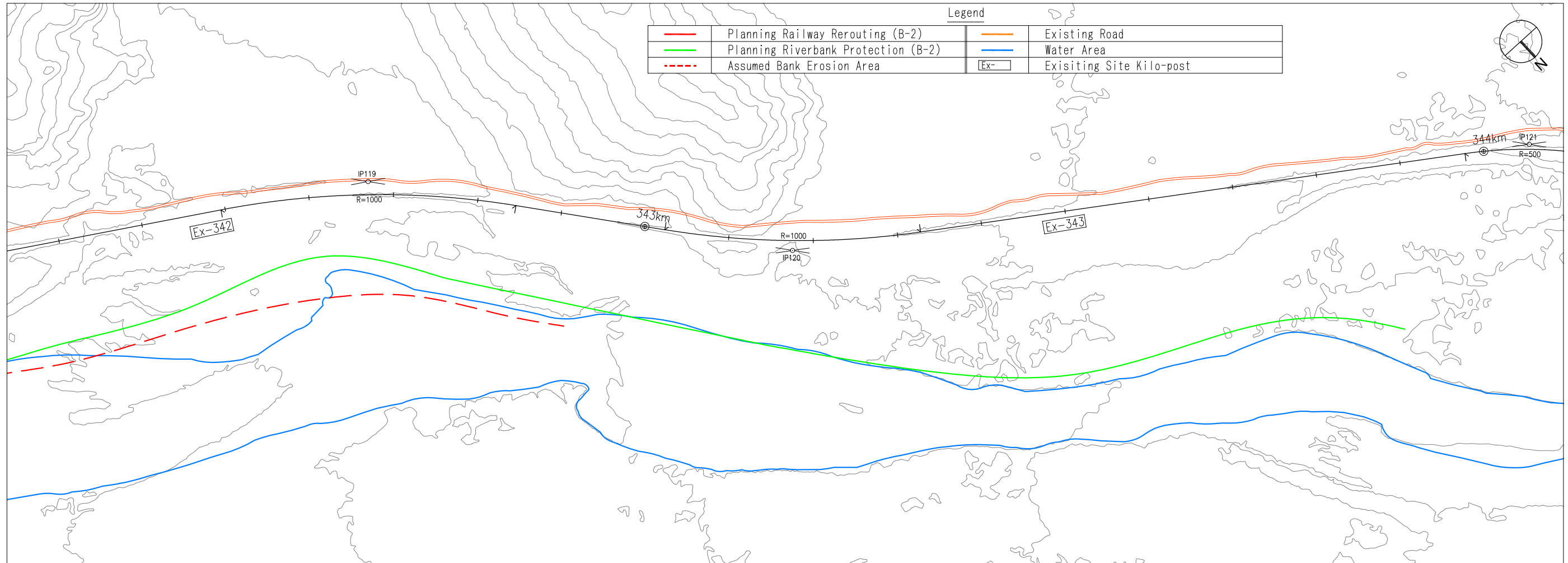
SHEET CONTENTS:

DWG NUM



Existing Railway Line

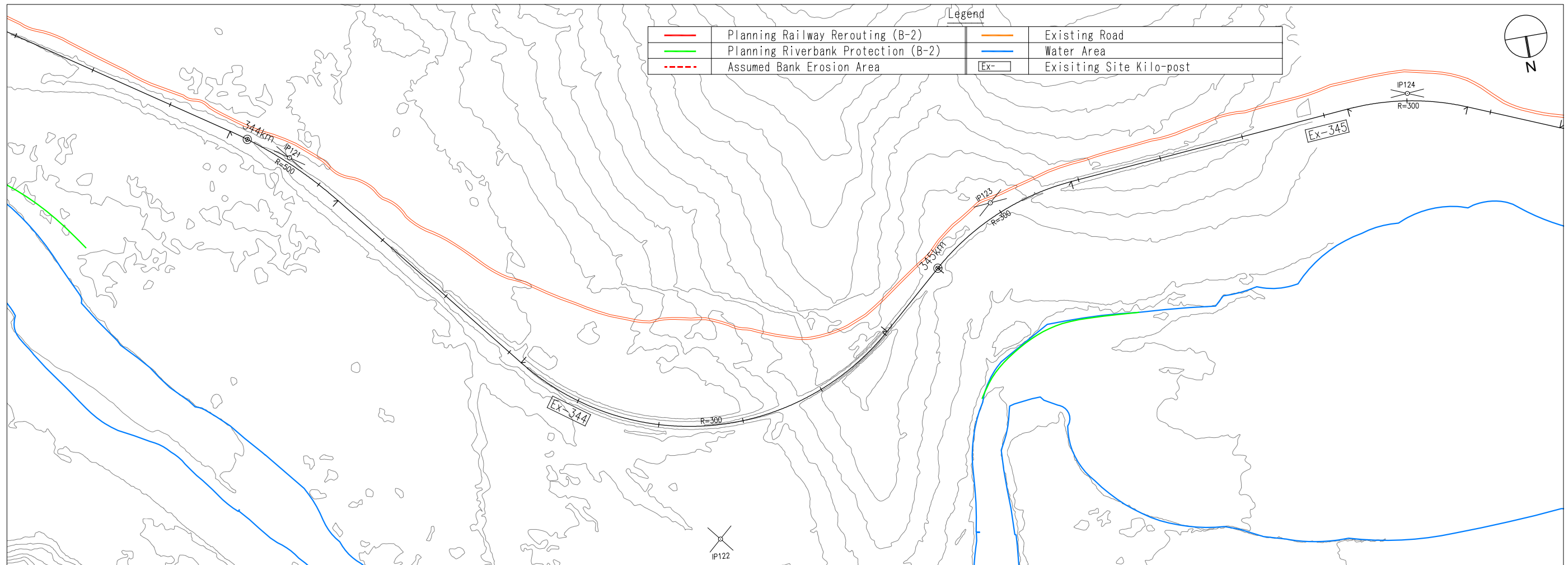
A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	708.73	708.85	708.97	709.09	709.21	709.33	709.45	709.57	709.69	709.81	709.93	710.05	710.17	710.29	710.41	710.53	710.65	710.77	710.89	711.01	711.13	711.25	711.37	711.49	711.61	711.73	711.85	711.97	712.09	712.21	712.33	712.45	712.57	712.69	712.81	712.93	713.05	713.17	713.29	713.41	713.53	713.65	713.77	713.89	714.01	714.13	714.25	714.37	714.49	714.61	714.73	714.85	714.97	715.09	715.21	715.33	715.45	715.57	715.69	715.81	715.93	716.05	716.17	716.29	716.41	716.53	716.65	716.77	716.89	717.01	717.13	717.25	717.37	717.49	717.61	717.73	717.85	717.97	718.09	718.21	718.33	718.45	718.57	718.69	718.81	718.93	719.05	719.17	719.29	719.41	719.53	719.65	719.77	719.89	720.01	720.13	720.25	720.37	720.49	720.61	720.73	720.85	720.97	721.09	721.21	721.33	721.45	721.57	721.69	721.81	721.93	722.05	722.17	722.29	722.41	722.53	722.65	722.77	722.89	723.01	723.13	723.25	723.37	723.49	723.61	723.73	723.85	723.97	724.09	724.21	724.33	724.45	724.57	724.69	724.81	724.93	725.05	725.17	725.29	725.41	725.53	725.65	725.77	725.89	726.01	726.13	726.25	726.37	726.49	726.61	726.73	726.85	726.97	727.09	727.21	727.33	727.45	727.57	727.69	727.81	727.93	728.05	728.17	728.29	728.41	728.53	728.65	728.77	728.89	729.01	729.13	729.25	729.37	729.49	729.61	729.73	729.85	729.97	730.09	730.21	730.33	730.45	730.57	730.69	730.81	730.93	731.05	731.17	731.29	731.41	731.53	731.65	731.77	731.89	732.01	732.13	732.25	732.37	732.49	732.61	732.73	732.85	732.97	733.09	733.21	733.33	733.45	733.57	733.69	733.81	733.93	734.05	734.17	734.29	734.41	734.53	734.65	734.77	734.89	735.01	735.13	735.25	735.37	735.49	735.61	735.73	735.85	735.97	736.09	736.21	736.33	736.45	736.57	736.69	736.81	736.93	737.05	737.17	737.29	737.41	737.53	737.65	737.77	737.89	738.01	738.13	738.25	738.37	738.49	738.61	738.73	738.85	738.97	739.09	739.21	739.33	739.45	739.57	739.69	739.81	739.93	740.05	740.17	740.29	740.41	740.53	740.65	740.77	740.89	741.01	741.13	741.25	741.37	741.49	741.61	741.73	741.85	741.97	742.09	742.21	742.33	742.45	742.57	742.69	742.81	742.93	743.05	743.17	743.29	743.41	743.53	743.65	743.77	743.89	744.01	744.13	744.25	744.37	744.49	744.61	744.73	744.85	744.97	745.09	745.21	745.33	745.45	745.57	745.69	745.81	745.93	746.05	746.17	746.29	746.41	746.53	746.65	746.77	746.89	747.01	747.13	747.25	747.37	747.49	747.61	747.73	747.85	747.97	748.09	748.21	748.33	748.45	748.57	748.69	748.81	748.93	749.05	749.17	749.29	749.41	749.53	749.65	749.77	749.89	750.01	750.13	750.25	750.37	750.49	750.61	750.73	750.85	750.97	751.09	751.21	751.33	751.45	751.57	751.69	751.81	751.93	752.05	752.17	752.29	752.41	752.53	752.65	752.77	752.89	753.01	753.13	753.25	753.37	753.49	753.61	753.73	753.85	753.97	754.09	754.21	754.33	754.45	754.57	754.69	754.81	754.93	755.05	755.17	755.29	755.41	755.53	755.65	755.77	755.89	756.01	756.13	756.25	756.37	756.49	756.61	756.73	756.85	756.97	757.09	757.21	757.33	757.45	757.57	757.69	757.81	757.93	758.05	758.17	758.29	758.41	758.53	758.65	758.77	758.89	759.01	759.13	759.25	759.37	759.49	759.61	759.73	759.85	759.97	760.09	760.21	760.33	760.45	760.57	760.69	760.81	760.93	761.05	761.17	761.29	761.41	761.53	761.65	761.77	761.89	762.01	762.13	762.25	762.37	762.49	762.61	762.73	762.85	762.97	763.09	763.21	763.33	763.45	763.57	763.69	763.81	763.93	764.05	764.17	764.29	764.41	764.53	764.65	764.77	764.89	765.01	765.13	765.25	765.37	765.49	765.61	765.73	765.85	765.97	766.09	766.21	766.33	766.45	766.57	766.69	766.81	766.93	767.05	767.17	767.29	767.41	767.53	767.65	767.77	767.89	768.01	768.13	768.25	768.37	768.49	768.61	768.73	768.85	768.97	769.09	769.21	769.33	769.45	769.57	769.69	769.81	769.93	770.05	770.17	770.29	770.41	770.53	770.65	770.77	770.89	771.01	771.13	771.25	771.37	771.49	771.61	771.73	771.85	771.97	772.09	772.21	772.33	772.45	772.57	772.69	772.81	772.93	773.05	773.17	773.29	773.41	773.53	773.65	773.77	773.89	774.01	774.13	774.25	774.37	774.49	774.61	774.73	774.85	774.97	775.09	775.21	775.33	775.45	775.57	775.69	775.81	775.93	776.05	776.17	776.29	776.41	776.53	776.65	776.77	776.89	777.01	777.13	777.25	777.37	777.49	777.61	777.73	777.85	777.97	778.09	778.21	778.33	778.45	778.57	778.69	778.81	778.93	779.05	779.17	779.29	779.41	779.53	779.65	779.77	779.89	780.01	780.13	780.25	780.37	780.49	780.61	780.73	780.85	780.97	781.09	781.21	781.33	781.45	781.57	781.69	781.81	781.93	782.05	782.17	782.29	782.41	782.53	782.65	782.77	782.89	783.01	783.13	783.25	783.37	783.49	783.61	783.73	783.85	783.97	784.09	784.21	784.33	784.45	784.57	784.69	784.81	784.93	785.05	785.17	785.29	785.41	785.53	785.65	785.77	785.89	786.01	786.13	786.25	786.37	786.49	786.61	786.73	786.85	786.97	787.09	787.21	787.33	787.45	787.57	787.69	787.81	787.93	788.05	788.17	788.29	788.41	788.53	788.65	788.77	788.89	789.01	789.13	789.25	789.37	789.49	789.61	789.73	789.85	789.97	790.09	790.21	790.33	790.45	790.57	790.69	790.81	790.93	791.05	791.17	791.29	791.41	791.53	791.65	791.77	791.89	792.01	792.13	792.25	792.37	792.49	792.61	792.73	792.85	792.97	793.09	793.21	793.33	793.45	793.57	793.69	793.81	793.93	794.05	794.17	794.29	794.41	794.53	794.65	794.77	794.89	795.01	795.13	795.25	795.37	795.49	795.61	795.73	795.85	795.97	796.09	796.21	796.33	796.45	796.57	796.69	796.81	796.93	797.05	797.17	797.29	797.41	797.53	797.65	797.77	797.89	798.01	798.13	798.25	798.37	798.49	798.61	798.73	798.85	798.97	799.09	799.21	799.33	799.45	799.57	799.69	799.81	799.93	800.05	800.17	800.29	800.41	800.53	800.65	800.77	800.89	801.01	801.13	801.25	801.37	801.49	801.61	801.73	801.85	801.97	802.09	802.21	802.33	802.45	802.57	802.69	802.81	802.93	803.05	803.17	803.29	803.41	803.53	803.65	803.77	803.89	804.01	804.13	804.25	804.37	804.49	804.61	804.73	804.85	804.97	805.09	805.21	805.33	805.45	805.57	805.69	805.81	805.93	806.05	806.17	806.29	806.41	806.53	806.65	806.77	806.89	807.01	807.13	807.25	807.37	807.49	807.61	807.73	807.85	807.97	808.09	808.21	808.33	808.45	808.57	808.69	808.81	808.93	809.05	809.17	809.29	809.41	809.53	809.65	809.77	809.89	810.01	810.13	810.25	810.37	810.49	810.61	810.73	810.85	810.97	811.09	811.21	811.33	811.45	811.57	811.69	811.81	811.93	812.05	812.17	812.29	812.41	812.53	812.65	812.77	812.89	813.01	813.13	813.25	813.37	813.49	813.61	813.73	813.85	813.97	814.09	814.21	814.33	814.45	814.57	814.69	814.81	814.93	815.05	815.17	815.29	815.41	815.53	815.65	815.77	815.89	816.01	816.13	816.25	816.37	816.49	816.61	816.73	816.85	816.97	817.09	817.21	817.33	817.45	817.57	817.69	817.81	817.93	818.05	818.17	818.29	818.41	818.53	818.65	818.77	818.89	819.01	819.13	819.25	819.37	819.49	819.61	819.73	819.85	819.97	820.09	820.21	820.33	820.45	820.57	820.69	820.81	820.93	821.05	821.17	821.29	821.41	821.53	821.65	821.77	821.89	822.01	822.13	822.25	822.37	822.49	822.61	822.73	822.85	822.97	823.09	823.21	823.33	823.45	823.57	823.69	823.81	823.93	824.05	824.17	824.29	824.41	824.53	824.65	824.77	824.89	825.01	825.13	825.25	825.37	825.49	825.61	825.73	825.85	825.97	826.09	826.21	826.33	826.45	826.57	826.69	826.81	826.93	827.05	827.17	827.29	827.41	827.53	827.65	827.77	827.89	828.01	828.13	828.25	828.37	828.49	828.61	828.73	828.85	828.97	829.09	829.21	829.33	829.45	829.57	829.69	829.81	829.93	830.05	830.17	830.29	830.41	830.53	830.65	830.77	830.89	831.01	831.13	831.25	831.37	831.49	831.61	831.73	831.85	831.97	832.09	832.21	832.33	832.45	832.57	832.69	832.81	832.93	833.05	833.17	833.29	833.41	833.53	833.65	833.77	833.89	834.01	834.13	834.25	834.37	834.49	834.61	834.73	834.85	834.97	835.09	835.21	835.33	835.45	835.57	835.69	835.81	835.93	836.05	836.17	836.29	836.41	836.53	836.65	836.77	8
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Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	717.33	717.45	717.57	717.78	718.02	718.25	718.45	718.65	718.82	718.98	719.16	719.40	719.64	719.82	719.98	720.15	720.35	720.55	720.69	720.81	720.95	721.15	721.35	721.58	721.82	722.04	722.20	722.36	722.55	722.75	722.96	723.20	723.44	723.59	723.71	723.83	723.95	724.07	724.28	724.52	724.74	724.90	725.06	725.22	725.38	725.53	725.65	725.77	725.92	726.08	726.25	726.45	726.65	726.82	726.98	727.14	727.30	727.46	727.65	727.85	728.04	728.20	728.36	728.52	728.68	728.82	728.90	728.98	729.03	729.07	729.10	729.10	729.19	729.31	729.41	729.45	729.49	729.56	729.64	729.72	729.80	729.88	729.96
Existing Line Curvature	R=500m IP121										R=300m IP122										R=300m IP123																																																														
Kilometrage (Re-Setting)	344										1						2						3						4						5																																																
Kilometrage (Site Kilo Post)	344										Km344										345						Km345																																																								

GOVERNMENT AGENCIES:



Japan International Cooperation Agency

Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

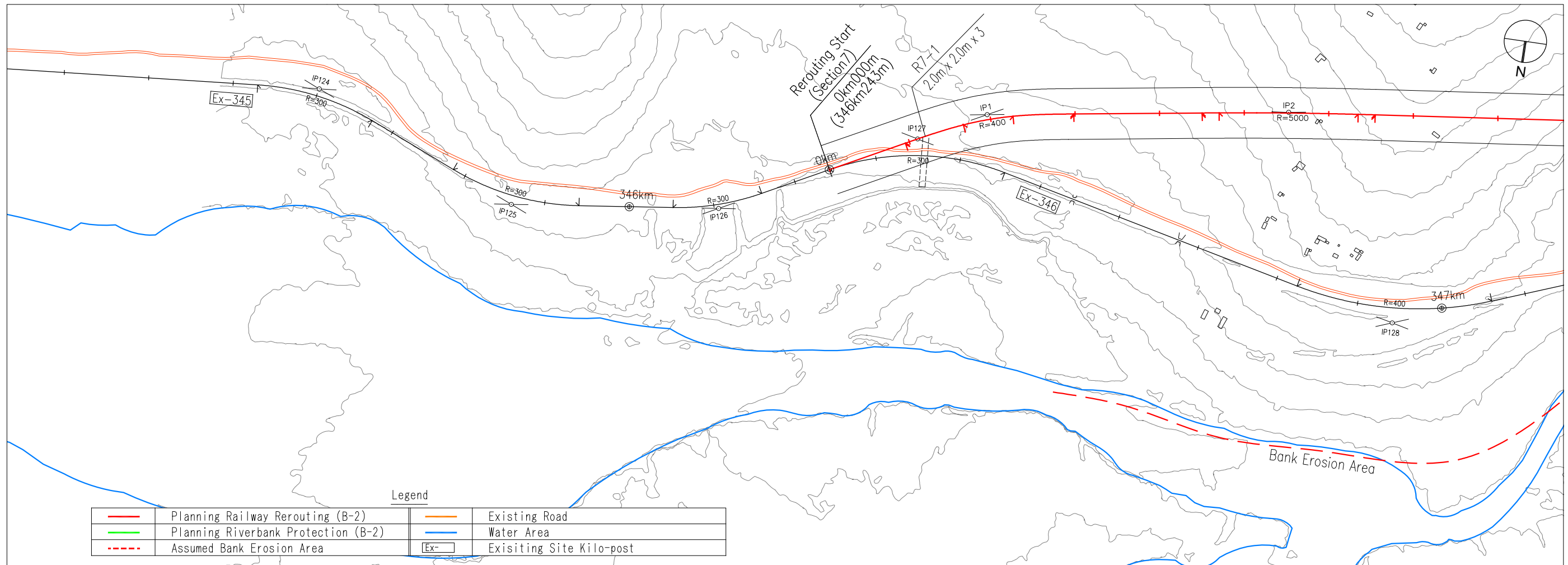
SHEET CONTENTS:

DWG NUM

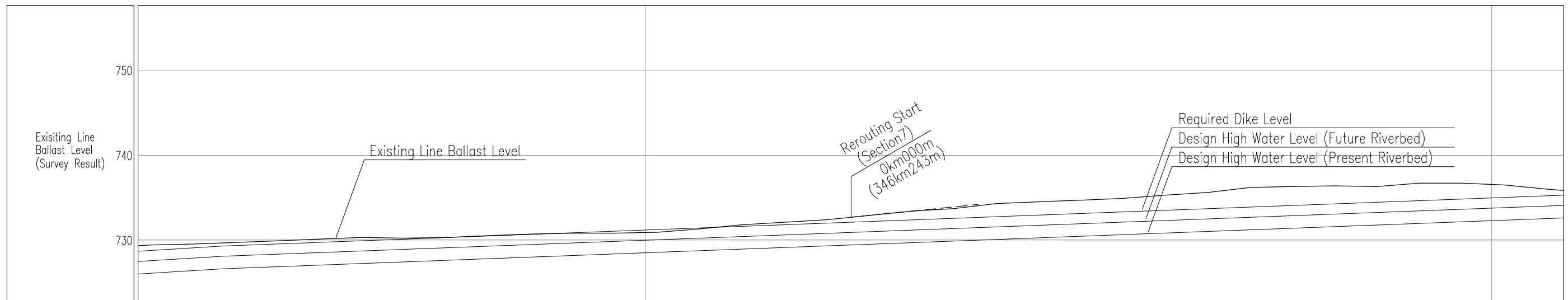
42	60
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Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Legend			
—	Planning Railway Rerouting (B-2)	—	Existing Road
—	Planning Riverbank Protection (B-2)	—	Water Area
- - -	Assumed Bank Erosion Area	[Ex-]	Existing Site Kilo-post



Existing Line Ballast Level (Survey Result)	729.41	729.45	729.49	729.56	729.64	729.72	729.80	729.88	729.96	730.04	730.12	730.20	730.28	730.27	730.23	730.21	730.25	730.29	730.36	730.44	730.52	730.60	730.68	730.73	730.77	730.80	730.80	730.83	730.87	730.94	731.10	731.26	731.45	731.65	731.83	731.95	732.07	732.19	732.31	732.45	732.65	732.85	733.05	733.25	733.43	733.55	733.67	733.88	734.12	734.32	734.40	734.48	734.56	734.64	734.72	734.80	734.88	735.02	735.18	735.33	735.45	735.57	735.78	736.02	736.21	736.25	736.29	736.33	736.37	736.39	736.35	736.31	736.42	736.58	736.70	736.70	736.64	736.56	736.45	736.25	736.05	735.88																																																																														
Existing Line Curvature	R=300m IP124										R=300m IP125										R=300m IP126										R=300m IP127										R=400m IP128																																																																																																																							
Kilometrage (Re-Setting)	5										6										7										8										9										346										1										2										3										4										5										6										7										8										9										347									
Kilometrage (Site Kilo Post)	Km345																																		Km346																																																																																																																													

GOVERNMENT AGENCIES:



Japan International Cooperation Agency



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

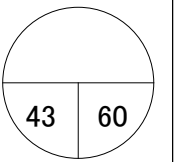
PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

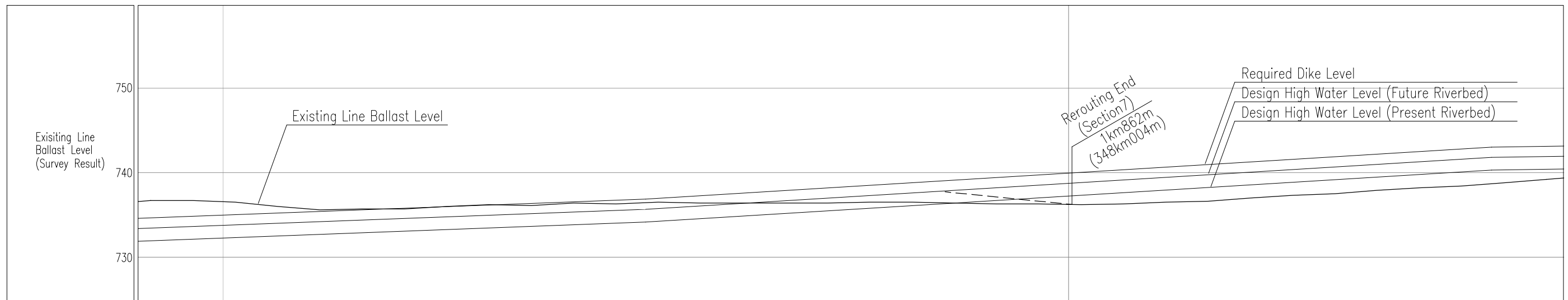
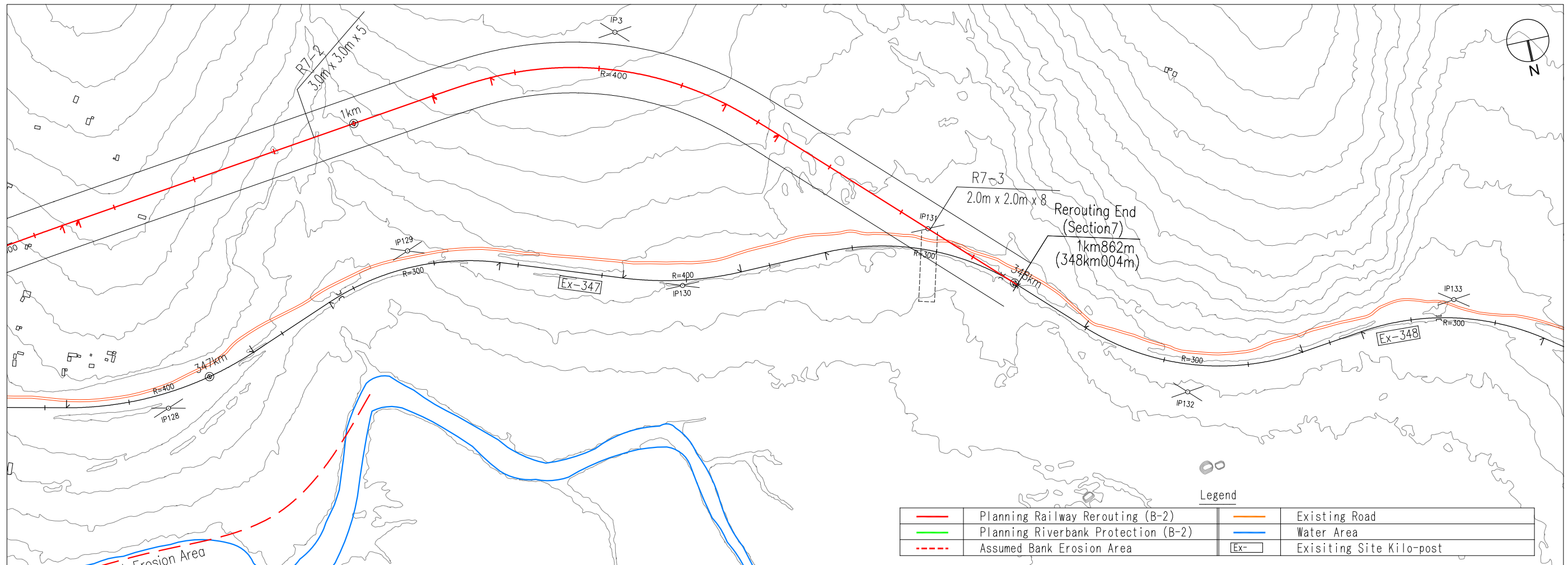
SHEET CONTENTS:

DWG NUM



Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	736.70	736.70	736.64	736.56	736.45	736.25	736.05	735.88	735.72	735.61	735.65	735.69	735.70	735.70	735.73	735.85	735.97	736.06	736.14	736.19	736.15	736.11	736.19	736.31	736.39	736.35	736.31	736.36	736.44	736.49	736.45	736.41	736.40	736.40	736.40	736.40	736.40	736.41	736.45	736.49	736.50	736.50	736.49	736.45	736.41	736.37	736.33	736.30	736.30	736.30	736.30	736.27	736.23	736.21	736.25	736.29	736.36	736.44	736.51	736.55	736.59	736.72	736.88	737.03	737.15	737.27	737.36	737.44	737.54	737.70	737.86	737.99	738.11	738.22	738.30	738.38	738.52	738.68	738.84	739.00	739.16	739.32
Existing Line Curvature	IP128		R=300m										IP129		R=400m										IP130		R=300m										IP131		R=300m										IP132		R=300m										IP133																					
Kilometrage (Re-Setting)	347																																		348																																															
Kilometrage (Site Kilo Post)	Km347																																		Km348																																															

GOVERNMENT AGENCIES:



JICA STUDY TEAM:

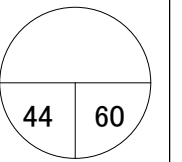
PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants
for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on
Flood Protection
Measures for Central
Railway Line in the United
Republic of Tanzania

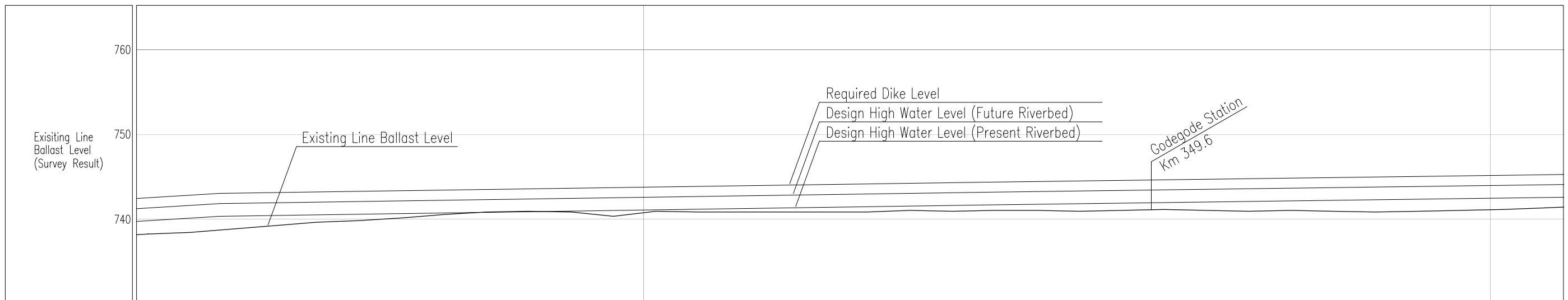
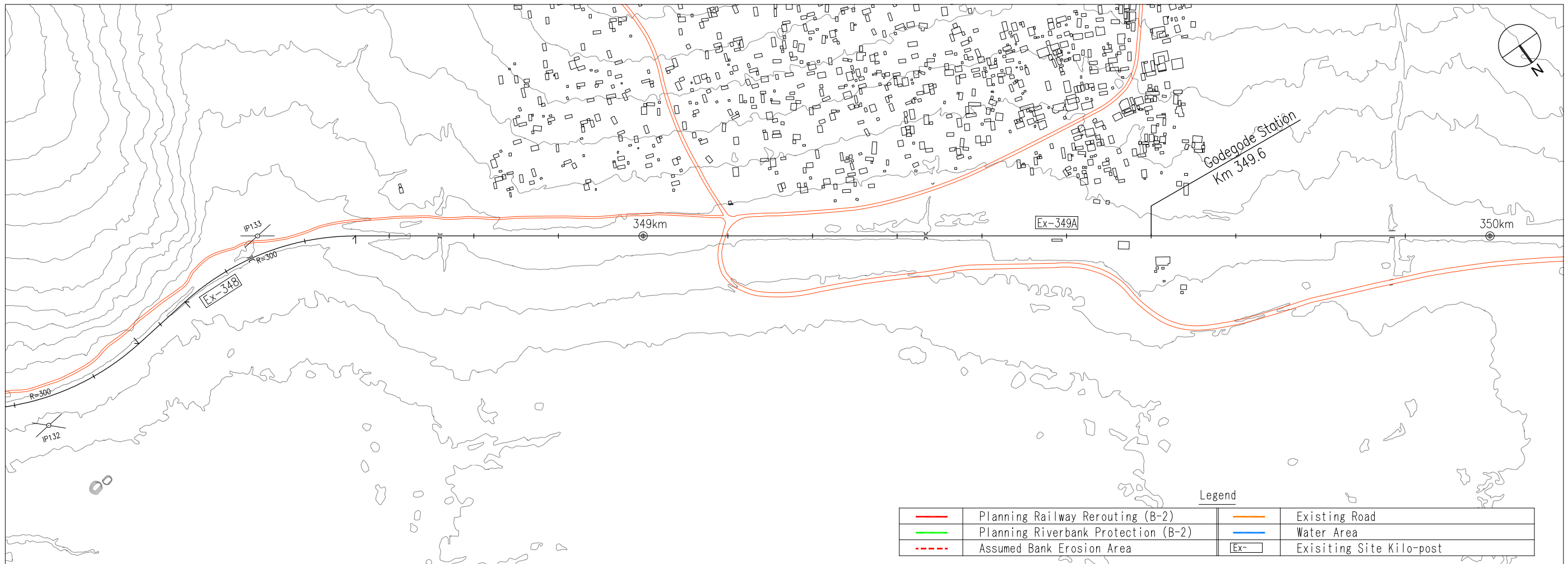
SHEET CONTENTS:

DWG NUM



Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]

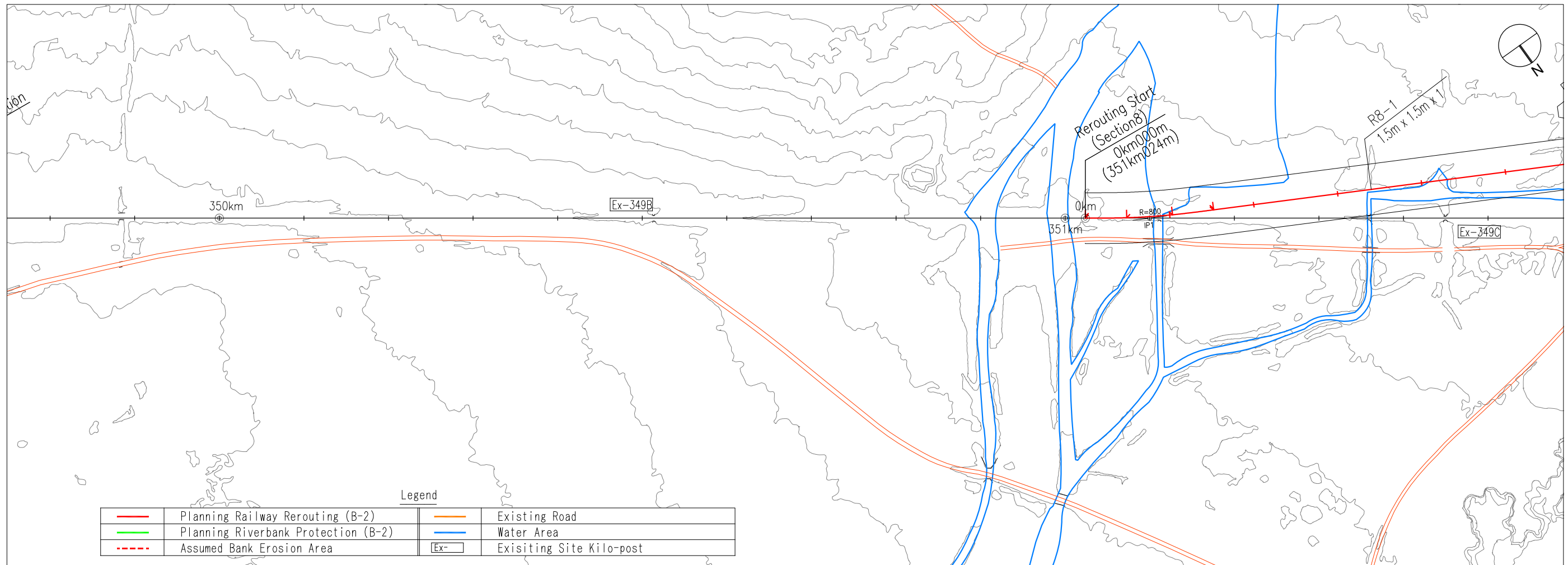


Existing Line Ballast Level (Survey Result)	738.22	738.30	738.38	738.52	738.68	738.84	739.00	739.16	739.32	739.48	739.62	739.78	739.89	740.01	740.14	740.30	740.46	740.59	740.71	740.81	740.85	740.89	740.87	740.83	740.75	740.55	740.35	740.48	740.72	740.89	740.85	740.81	740.80	740.80	740.80	740.80	740.80	740.80	740.86	740.94	740.99	740.95	740.91	740.93	740.97	741.00	741.00	741.00	741.00	740.97	740.93	740.91	740.95	740.99	740.97	740.93	740.89	740.85	740.81	740.83	740.87	740.91	740.95	740.99	740.99	741.03	741.07	741.09	741.05	741.01	740.97	740.93	740.91	740.95	740.99	740.97	740.93	740.89	740.85	740.81	740.83	740.87	740.91	740.95	740.99	740.99	741.03	741.07	741.12	741.20	741.28	741.36
Existing Line Curvature	R=300m IP133																																																																																											
Kilometrage (Re-Setting)	5 6 7 8 9 349															1 2 3 4 5 6 7 8 9 350																																																																												
Kilometrage (Site Kilo Post)	Km348																																																																																											

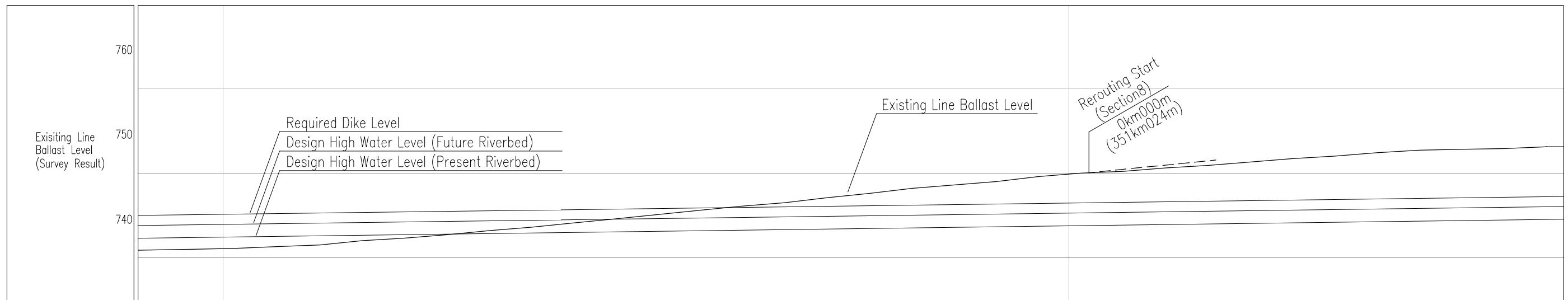
GOVERNMENT AGENCIES:		JICA STUDY TEAM:		PROJECT & LOCATION:		SHEET CONTENTS:		DWG NUM	
	Japan International Cooperation Agency		Reli Assets Holding Company (RAHCO), Tanzania	PADECO Co., Ltd., Nippon Koei Co., Ltd., Japan International Consultants for Transportation Co., Ltd., and Fukken Engineering Co., Ltd.	Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania			45	60

Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Legend			
—	Planning Railway Rerouting (B-2)	—	Existing Road
—	Planning Riverbank Protection (B-2)	—	Water Area
- - -	Assumed Bank Erosion Area	[Ex-]	Existing Site Kilo-post



Existing Line Ballast Level (Survey Result)	740.91	740.95	740.99	741.03	741.07	741.12	741.20	741.28	741.36	741.44	741.55	741.75	741.95	742.09	742.21	742.34	742.50	742.66	742.85	743.05	743.24	743.40	743.56	743.75	743.95	744.15	744.35	744.55	744.75	744.95	745.15	745.35	745.55	745.75	745.95	746.14	746.30	746.46	746.68	746.92	747.15	747.35	747.55	747.78	748.02	748.24	748.40	748.56	748.72	748.88	749.06	749.30	749.54	749.72	749.88	750.02	750.10	750.18	750.32	750.48	750.63	750.75	750.87	751.02	751.18	751.34	751.50	751.66	751.79	751.91	752.04	752.20	752.36	752.49	752.61	752.71	752.75	752.79	752.83	752.87	752.92	753.00	753.08	753.10
Existing Line Curvature																																																																																				
Kilometrage (Re-Setting)																																																																																				
Kilometrage (Site Kilo Post)																																																																																				

GOVERNMENT AGENCIES:



Japan International Cooperation Agency



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

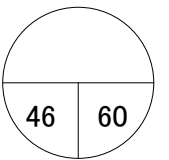
PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

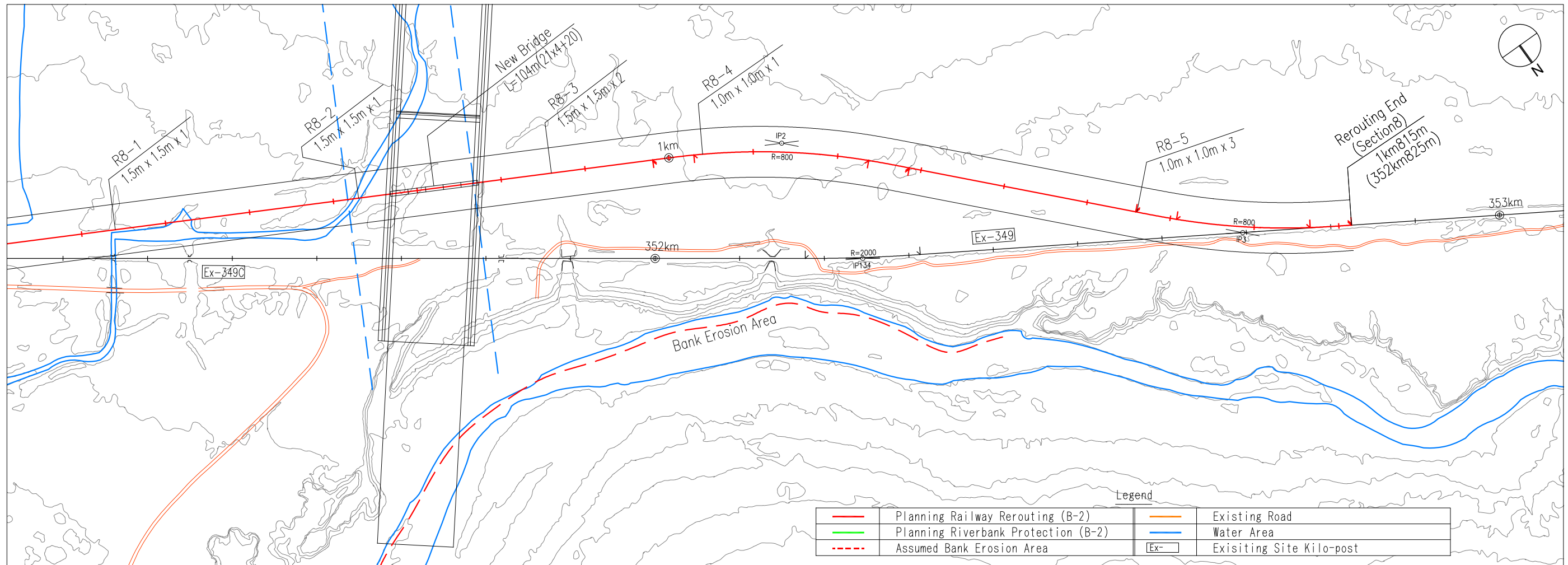
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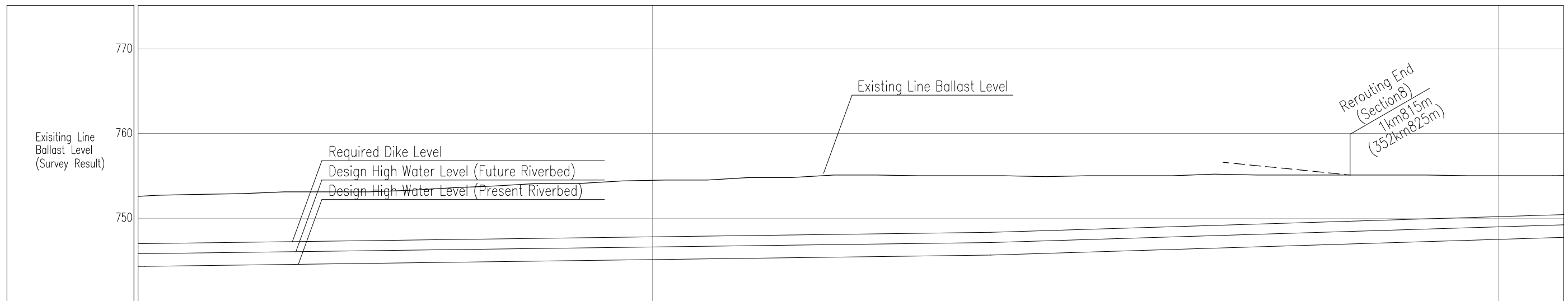


Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Legend	
—	Planning Railway Rerouting (B-2)
—	Planning Riverbank Protection (B-2)
- - -	Assumed Bank Erosion Area
—	Existing Road
—	Water Area
[Ex-]	Existing Site Kilo-post



Existing Line Ballast Level (Survey Result)	752.71	752.75	752.79	752.83	752.87	752.92	753.00	753.08	753.10	753.10	753.10	753.10	753.16	753.24	753.33	753.45	753.57	753.66	753.74	753.83	753.95	754.07	754.10	754.10	754.13	754.25	754.37	754.43	754.47	754.50	754.50	754.50	754.59	754.71	754.80	754.80	754.80	754.89	755.01	755.10	755.10	755.10	755.07	755.03	755.00	755.00	755.00	755.00	755.00	754.99	754.95	754.91	754.93	754.97	755.00	755.00	755.00	755.00	755.02	755.10	755.18	755.17	755.13	755.10	755.10	755.10	755.10	755.10	755.10	755.10	755.10	755.09	755.05	755.01	755.00	755.00	755.00	755.00	755.00	755.00	755.03
Existing Line Curvature																																		IP134		R=2000m																																													
Kilometrage (Re-Setting)	5					6					7					8					9					352					1					2					3					4					5					6					7					8					9					353					
Kilometrage (Site Kilo Post)																																		Km349																																															

GOVERNMENT AGENCIES:



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

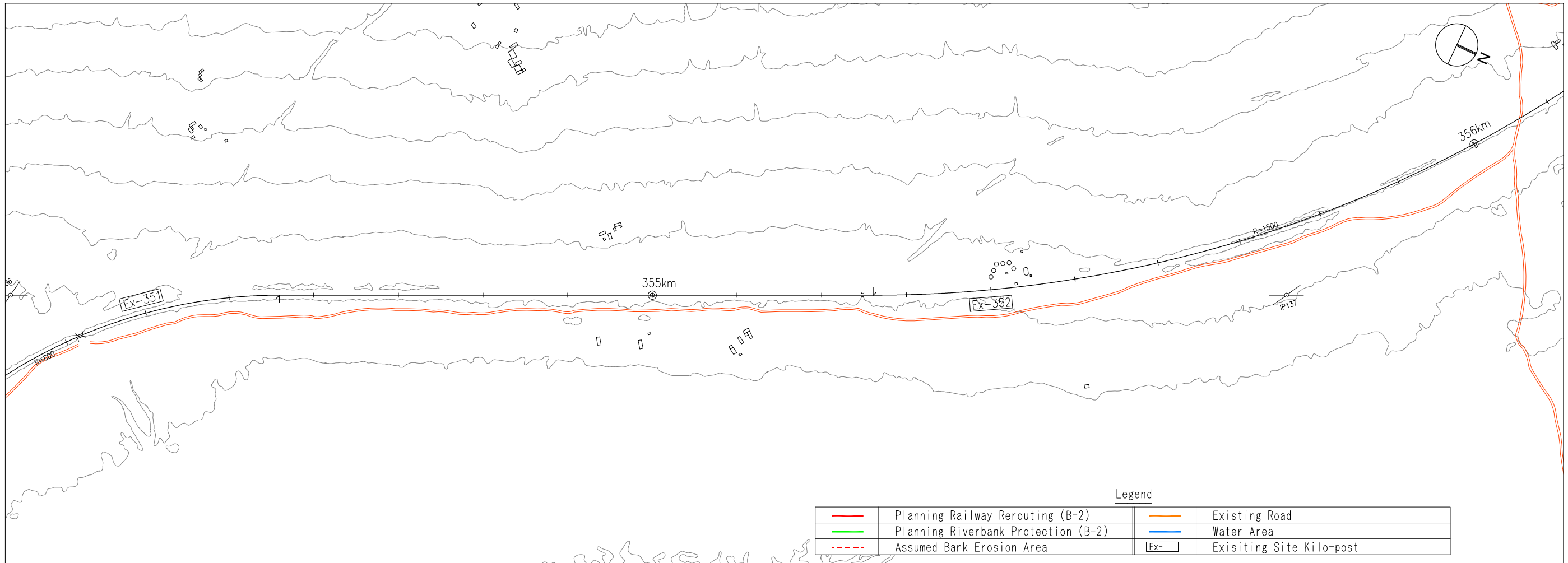
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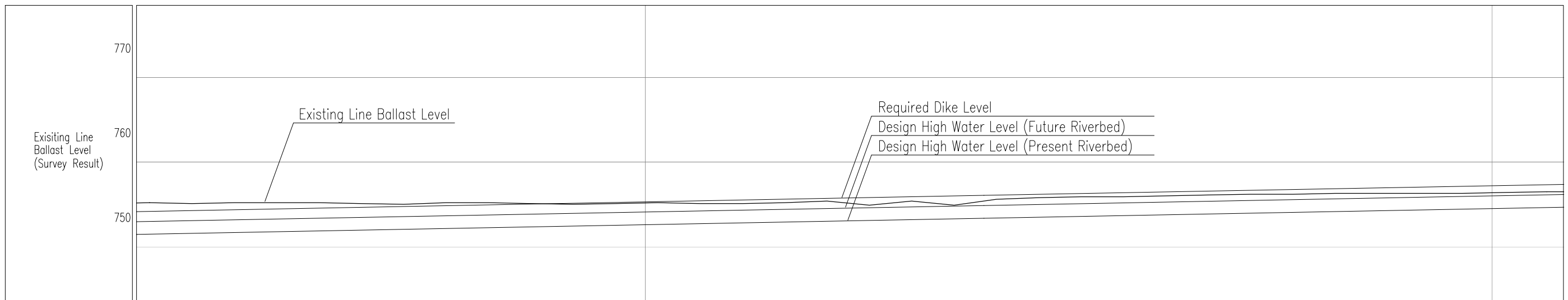
47	60
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Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Legend	
—	Planning Railway Rerouting (B-2)
—	Planning Riverbank Protection (B-2)
—	Existing Road
---	Assumed Bank Erosion Area
Ex-	Existing Site Kilo-post
—	Water Area



Existing Line Ballast Level (Survey Result)	755.19	755.15	755.11	755.13	755.17	755.20	755.20	755.20	755.20	755.19	755.15	755.11	755.07	755.03	755.02	755.10	755.18	755.20	755.20	755.19	755.15	755.11	755.07	755.03	755.01	755.05	755.09	755.13	755.17	755.19	755.15	755.11	755.10	755.10	755.11	755.15	755.19	755.26	755.34	755.35	755.35	755.15	754.95	755.05	755.25	755.35	755.15	754.95	755.11	755.39	755.62	755.70	755.78	755.83	755.87	755.90	755.90	755.90	755.93	755.97	756.01	756.05	756.09	756.13	756.17	756.20	756.20	756.20	756.23	756.27	756.30	756.30	756.30	756.30	756.30	756.30	756.33	756.37	756.41	756.45	756.49	756.50
Existing Line Curvature																															IP137 R=1500m																																																			
Kilometrage (Re-Setting)																															5	6	7	8	9	355	1	2	3	4	5	6	7	8	9	356																																				
Kilometrage (Site Kilo Post)	351																															Km352																																																		

GOVERNMENT AGENCIES:



Japan International Cooperation Agency



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

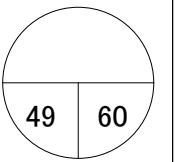
PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

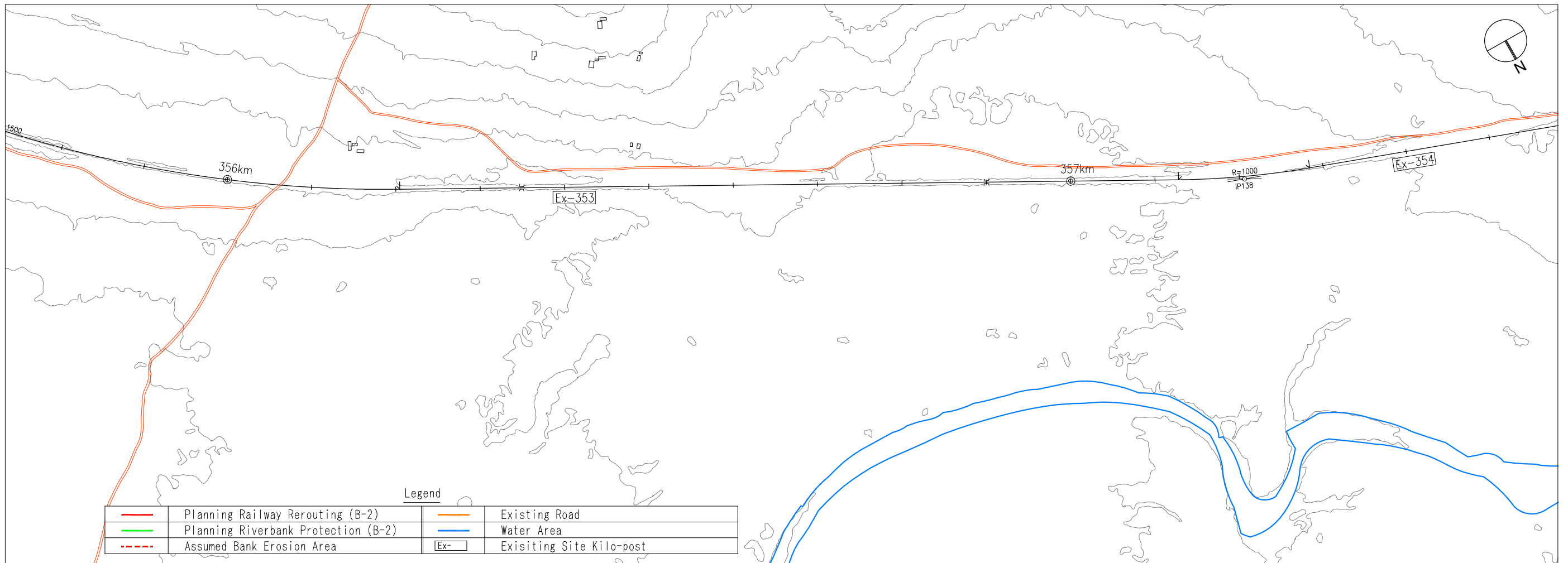
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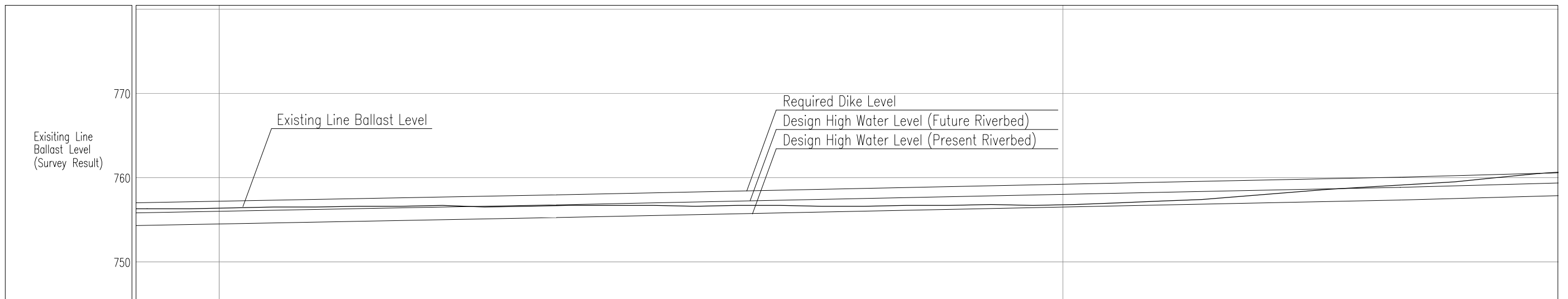


Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Legend			
	Planning Railway Rerouting (B-2)		Existing Road
	Planning Riverbank Protection (B-2)		Water Area
	Assumed Bank Erosion Area		Existing Site Kilo-post



Existing Line Ballast Level (Survey Result)	756.30	756.30	756.33	756.37	756.41	756.45	756.49	756.50	756.51	756.55	756.59	756.60	756.61	756.65	756.69	756.64	756.56	756.51	756.55	756.59	756.63	756.67	756.70	756.70	756.70	756.70	756.69	756.65	756.61	756.63	756.67	756.70	756.70	756.67	756.63	756.60	756.60	756.60	756.63	756.67	756.70	756.70	756.70	756.70	756.73	756.77	756.79	756.75	756.71	756.73	756.77	756.82	756.90	756.98	757.06	757.14	757.22	757.30	757.38	757.52	757.68	757.84	758.00	758.16	758.32	758.48	758.63	758.75	758.87	758.99	759.11	759.23	759.35	759.47	759.65	759.85	760.05	760.25	760.45	760.59																																																																																																																																																																															
Existing Line Curvature																															IP138															R=1000m																																																																																																																																																																																																																	
Kilometrage (Re-Setting)	356																														1															2															3															4															5															6															7															8															9															357															1															2															3															4															5														
Kilometrage (Site Kilo Post)	Km353																																																												Km354																																																																																																																																																																																																		

GOVERNMENT AGENCIES:



Japan International Cooperation Agency



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on
Flood Protection
Measures for Central
Railway Line in the United
Republic of Tanzania

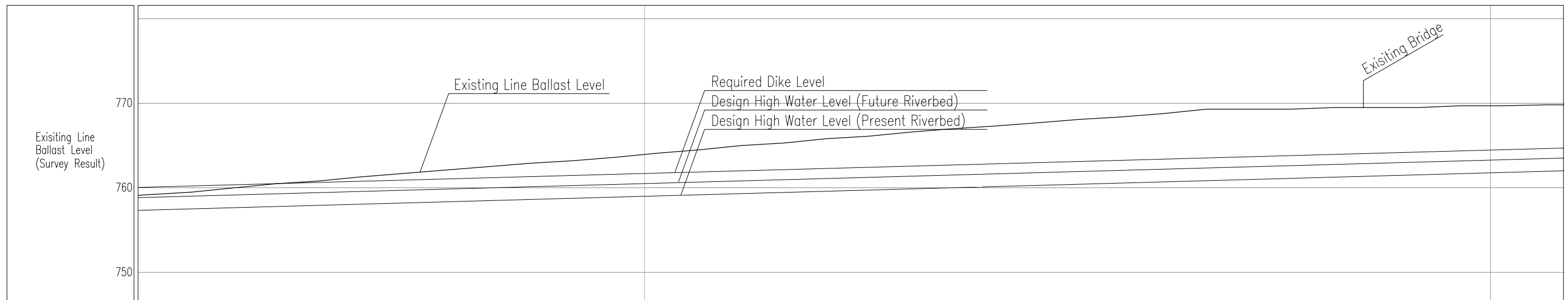
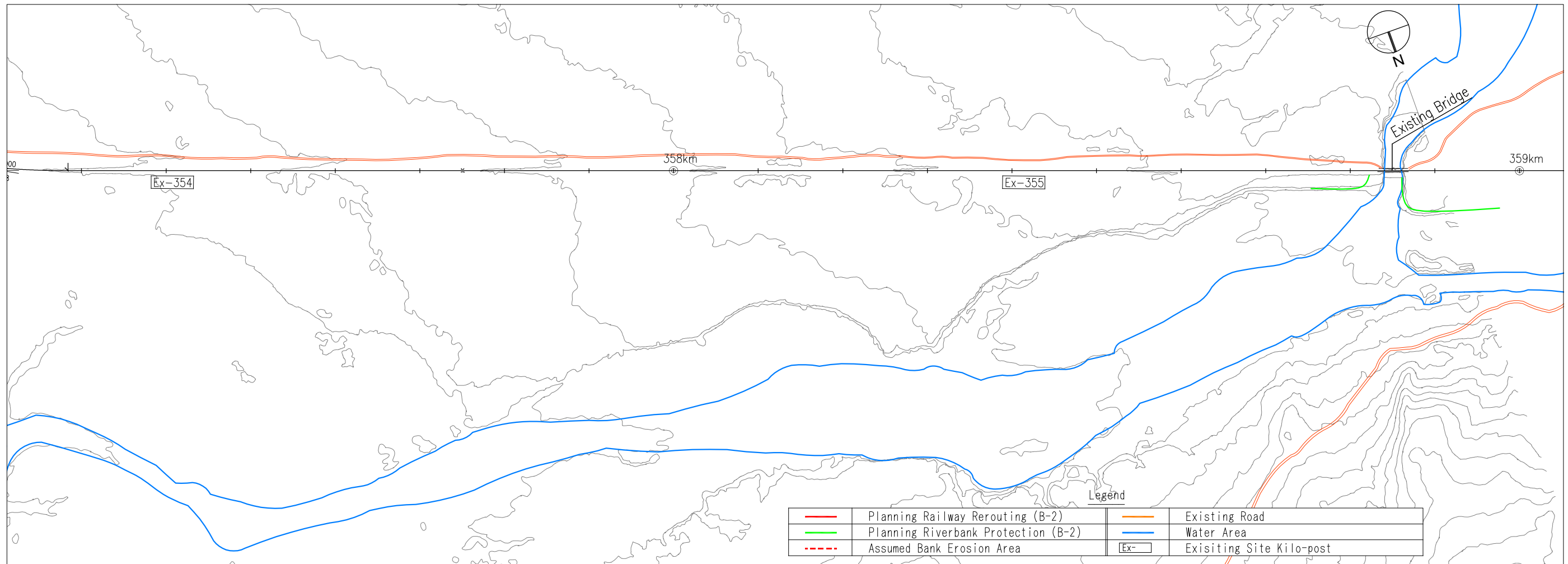
SHEET CONTENTS:

DWG NUM

50	60
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Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	759.23	759.35	759.47	759.65	759.85	760.05	760.25	760.45	760.59	760.71	760.85	761.05	761.25	761.42	761.58	761.74	761.90	762.06	762.22	762.38	762.54	762.70	762.86	762.99	763.11	763.24	763.40	763.56	763.75	763.95	764.14	764.30	764.46	764.65	764.85	765.03	765.15	765.27	765.45	765.65	765.83	765.95	766.07	766.25	766.45	766.64	766.80	766.96	767.09	767.21	767.34	767.50	767.66	767.82	767.98	768.13	768.25	768.37	768.52	768.68	768.85	769.05	769.25	769.30	769.30	769.30	769.30	769.36	769.44	769.50	769.50	769.50	769.52	769.60	769.68	769.70	769.71	769.75	769.79	769.80
Existing Line Curvature																																																																																
Kilometrage (Re-Setting)																																																																																
Kilometrage (Site Kilo Post)	54																											358																											359																									

GOVERNMENT AGENCIES:



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

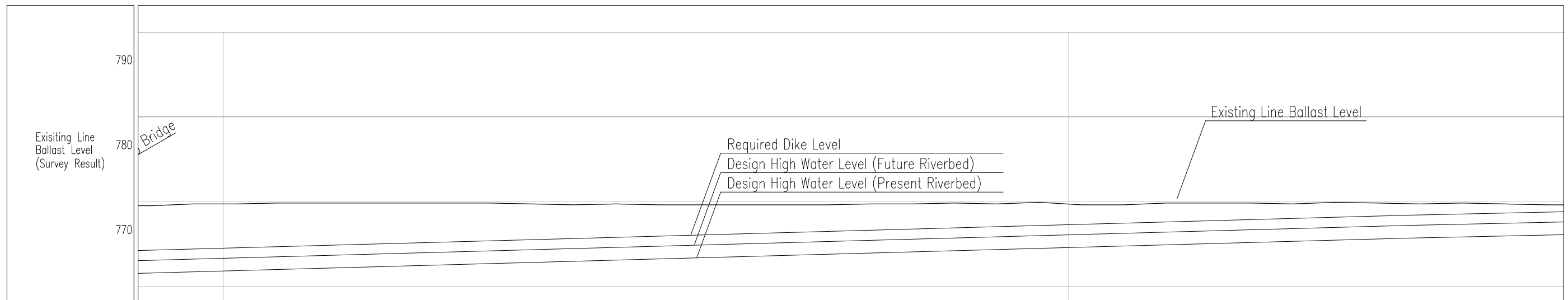
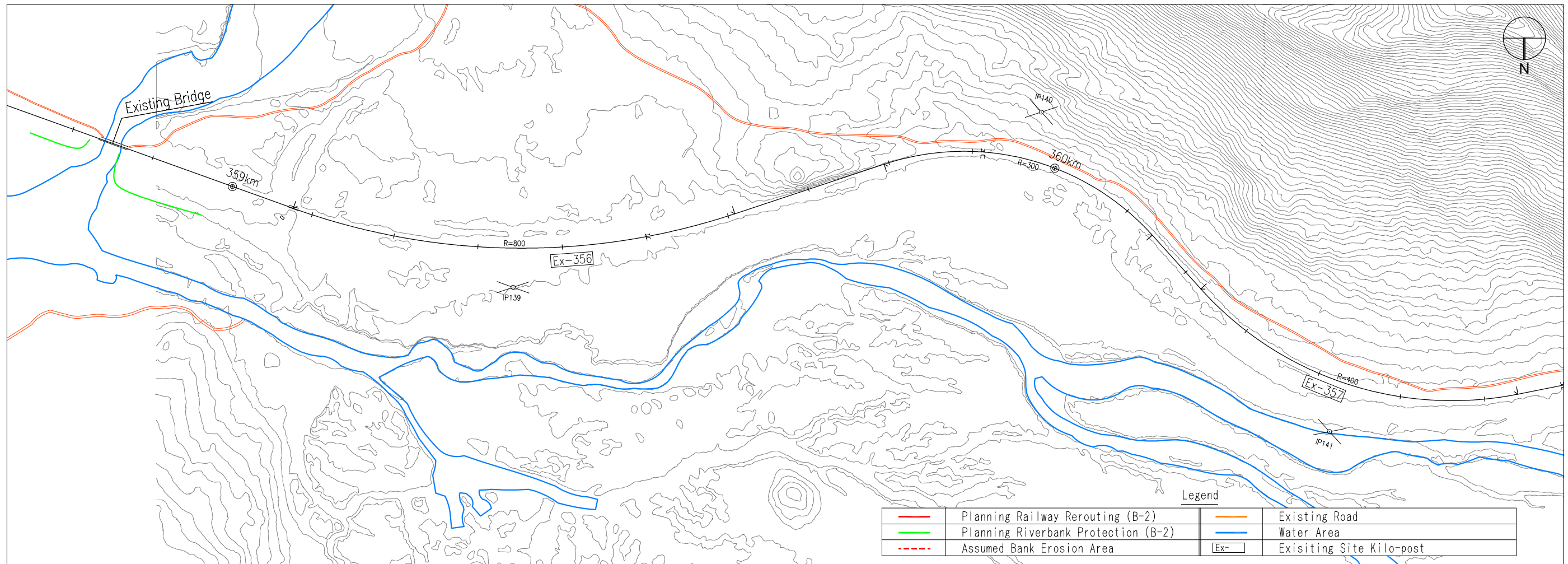
SHEET CONTENTS:

DWG NUM

51	60
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Existing Railway Line

A1[H=1:2,500 V=1:250] A3[H=1:5,000 V=1:500]



Existing Line Ballast Level (Survey Result)	769.52 769.60 769.68 769.70 769.71 769.75 769.79 769.80 769.80 769.80 769.80 769.80 769.80 769.80 769.80 769.80 769.80 769.79 769.75 769.71 769.67 769.63 769.61 769.65 769.69 769.67 769.63 769.60 769.60 769.60 769.60 769.60 769.60 769.60 769.61 769.65 769.69 769.70 769.70 769.71 769.75 769.79 769.77 769.73 769.72 769.80 769.88 769.81 769.69 769.60 769.60 769.60 769.60 769.66 769.74 769.80 769.80 769.80 769.80 769.79 769.75 769.71 769.76 769.84 769.89 769.85 769.81 769.77 769.73 769.71 769.75 769.79 769.77 769.69 769.65 769.61 769.60
Existing Line Curvature	IP139 R=800m IP140 R=300m IP141 R=400m
Kilometrage (Re-Setting)	359 1 2 3 4 5 6 7 8 9 360 1 2 3 4 5
Kilometrage (Site Kilo Post)	Km356 Km357

GOVERNMENT AGENCIES:



Japan International Cooperation Agency



Reli Assets Holding Company (RAHCO), Tanzania

JICA STUDY TEAM:

PADECO Co., Ltd.,
Nippon Koei Co., Ltd.,
Japan International Consultants for Transportation Co., Ltd., and
Fukken Engineering Co., Ltd.

PROJECT & LOCATION:

Preparatory Survey on Flood Protection Measures for Central Railway Line in the United Republic of Tanzania

SHEET CONTENTS:

DWG NUM

52 60