

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

**THE DETAILED DESIGN  
ON  
PORT REACTIVATION PROJECT IN LA UNION PROVINCE  
OF  
THE REPUBLIC OF EL SALVADOR**

***FINAL REPORT***

**(DRAFT) BIDDING DOCUMENTS**

Package A : Civil and Building Works

Volume IV-A

*DRAWINGS (1/2)*

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**OCTOBER 2002**

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

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**LA UNION PORT DEVELOPMENT PROJECT  
DRAWING LIST FOR PACKAGE-A (1/2)  
GENERAL**

Drawing No.	Title	Drawing No.	Title	Drawing No.	Title
<b>GENERAL</b>					
GENERAL ARRANGEMENT					
GE - 00 - 001	Project Location				
GE - 00 - 002	Layout of Existing Port				
GE - 00 - 003	General Layout of Port Area				
GE - 00 - 004	General Layout of Channel				
<b>SITE INFORMATION</b>					
TOPOGRAPHIC AND BATHIMETRIC INFORMATION					
SI - 01 - 001	Geodesical Control Points				
SI - 01 - 002	Project Main Coordinates (1)				
SI - 01 - 003	Project Main Coordinates (2)				
SI - 01 - 004	Project Main Coordinates (3)				
SI - 01 - 005	Topographic Map (1/2)				
SI - 01 - 006	Topographic Map (2/2)				
SI - 01 - 007	Bathymetric Map (1/7)				
SI - 01 - 008	Bathymetric Map (2/7)				
SI - 01 - 009	Bathymetric Map (3/7)				
SI - 01 - 010	Bathymetric Map (4/7)				
SI - 01 - 011	Bathymetric Map (5/7)				
SI - 01 - 012	Bathymetric Map (6/7)				
SI - 01 - 013	Bathymetric Map (7/7)				
GEOLOGICAL INFORMATION					
SI - 02 - 001	Borehole Location				
SI - 02 - 002	Geological Section (A)				
SI - 02 - 003	Geological Sections (B-C)				
SI - 02 - 004	Geological Section (D)				
SI - 02 - 005	Geological Sections (E-F)				
SI - 02 - 006	Geological Section (G)				
SI - 02 - 007	Geological Section (H)				
SI - 02 - 008	Geological Section (I)				
SI - 02 - 009	Geological Section (J)				
SI - 02 - 010	Geological Section (K)				
SI - 02 - 011	Geological Sections (L-M)				
SI - 02 - 012	Geological Section (N)				
SI - 02 - 013	Geological Section (O)				
SI - 02 - 014	Geological Section (P)				

KEY. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 CEPA COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 NIPPON KOEI CO., LTD.	DESIGNED BY :	SECTION : GENERAL SUB-SECTION : DRAWING LIST TITLE : DRAWING LIST FOR PACKAGE-A GENERAL (1/1)	DATE :	
												OCTOBER/2002
												SCALE : -- DRAWING NO : DL-01-001




**LA UNION PORT DEVELOPMENT PROJECT  
DRAWING LIST FOR PACKAGE-A (1/2)  
CIVIL WORKS**

Drawing No.	Title	Drawing No.	Title	Drawing No.	Title
<b>DREDGING AND RECLAMATION WORKS</b>		DR - 02 - 019	Cross Sections of Outer Channel 147,148,149	<b>QUAYWALL WORKS</b>	
	GENERAL	DR - 02 - 020	Cross Sections of Outer Channel 150,151,152		GENERAL
DR - 00 - 001	General Plan of Dredging and Reclamation	DR - 02 - 021	Cross Sections of Outer Channel 153,154,155	QW - 00 - 001	General Plan
DR - 00 - 002	Dredging Plan of Inner Channel	DR - 02 - 022	Cross Sections of Outer Channel 156,157,158		CONTAINER AND MULTI-PURPOSE BERTH
DR - 00 - 003	Dredging Plan of Outer Channel (1)	DR - 02 - 023	Cross Sections of Outer Channel 159,160,161	QW - 01 - 001	Plan and Profile Container Berth
DR - 00 - 004	Dredging Plan of Outer Channel (2)	DR - 02 - 024	Cross Sections of Outer Channel 162,163,164	QW - 01 - 002	Plan and Profile Multi-Purpose Berth
DR - 00 - 005	Dredging Plan of Outer Channel (3)	DR - 02 - 025	Cross Sections of Outer Channel 165,166,167	QW - 01 - 003	Typical Cross Section Type I Container Berth (-14.0 m)
DR - 00 - 006	Turning Basin	DR - 02 - 026	Cross Sections of Outer Channel 168,169,170	QW - 01 - 004	Typical Cross Section Type II Container Berth (-14.0 m)
DR - 00 - 007	Reclamation and Excavation Plan	DR - 02 - 027	Cross Sections of Outer Channel 171,172,173	QW - 01 - 005	Typical Cross Section Type III Multi-Purpose Berth (-14.0 m)
	INNER CHANNEL	DR - 02 - 028	Cross Sections of Outer Channel 174,175,176	QW - 01 - 006	Plan of Dredging
DR - 01 - 001	Cross Sections of Inner Channel 0,1,2	DR - 02 - 029	Cross Sections of Outer Channel 177,178,179	QW - 01 - 007	Plan of Rubble Mound
DR - 01 - 002	Cross Sections of Inner Channel 3,4,5	DR - 02 - 030	Cross Sections of Outer Channel 180,181,182	QW - 01 - 008	Cross Sections (1) (Container)
DR - 01 - 003	Cross Sections of Inner Channel 6,7,8	DR - 02 - 031	Cross Sections of Outer Channel 183,184,185	QW - 01 - 009	Cross Sections (2) (Container)
DR - 01 - 004	Cross Sections of Inner Channel 9,10,11	DR - 02 - 032	Cross Sections of Outer Channel 186,187,188	QW - 01 - 010	Cross Sections (3) (Container)
DR - 01 - 005	Cross Sections of Inner Channel 12,13,14	DR - 02 - 033	Cross Sections of Outer Channel 189,190,191	QW - 01 - 011	Cross Sections (4) (Container)
DR - 01 - 006	Cross Sections of Inner Channel 15,16,17	DR - 02 - 034	Cross Sections of Outer Channel 192,193,194	QW - 01 - 012	Cross Sections (5) (Container)
DR - 01 - 007	Cross Sections of Inner Channel 18,19,20	DR - 02 - 035	Cross Sections of Outer Channel 195,196,197	QW - 01 - 013	Cross Sections (6) (Container)
DR - 01 - 008	Cross Sections of Inner Channel 21,22,23	DR - 02 - 036	Cross Sections of Outer Channel 198,199,200	QW - 01 - 014	Cross Sections (7) (Container)
DR - 01 - 009	Cross Sections of Inner Channel 24,25,26	DR - 02 - 037	Cross Sections of Outer Channel 201,202,203	QW - 01 - 015	Cross Sections (8) (Container)
DR - 01 - 010	Cross Sections of Inner Channel 27,28,29	DR - 02 - 038	Cross Sections of Outer Channel 204,205,206	QW - 01 - 016	Cross Sections (9) (Container)
DR - 01 - 011	Cross Sections of Inner Channel 30,31,32	DR - 02 - 039	Cross Sections of Outer Channel 207,208,209	QW - 01 - 017	Cross Sections (10) (Container)
DR - 01 - 012	Cross Sections of Inner Channel 33,34,35	DR - 02 - 040	Cross Sections of Outer Channel 210,211,212	QW - 01 - 018	Cross Sections (1) ( Multi-Purpose Berth)
DR - 01 - 013	Cross Sections of Inner Channel 36,37,38	DR - 02 - 041	Cross Sections of Outer Channel 213,214,215	QW - 01 - 019	Cross Sections (2) ( Multi-Purpose Berth)
DR - 01 - 014	Cross Sections of Inner Channel 39,40,41		<b>TURNING BASIN AND PASSENGER BERTH DREDGING</b>	QW - 01 - 020	Cross Sections (3) ( Multi-Purpose Berth)
DR - 01 - 015	Cross Sections of Inner Channel 42,43,44	DR - 03 - 001	Cross Sections of Turning Basin (0,T-1,T-2)	QW - 01 - 021	Cross Sections (4) ( Multi-Purpose Berth)
	OUTER CHANNEL	DR - 03 - 002	Cross Sections of Turning Basin (T-3,T-4,T-5)	QW - 01 - 022	Cross sections (5) ( Multi-Purpose Berth)
DR - 02 - 001	Cross Sections of Outer Channel 93,94,95	DR - 03 - 003	Cross Sections of Turning Basin (T-6,T-7,T-8)	QW - 01 - 023	Cross Sections (6) ( Multi-Purpose Berth)
DR - 02 - 002	Cross Sections of Outer Channel 96,97,98	DR - 03 - 004	Cross Sections of Turning Basin (T-9,T-10,T-11)	QW - 01 - 024	Cross Sections (7) ( Multi-Purpose Berth)
DR - 02 - 003	Cross Sections of Outer Channel 99,100,101	DR - 03 - 005	Cross Sections of Turning Basin (T-12,T-13,T-14)	QW - 01 - 025	Details of Concrete Caisson
DR - 02 - 004	Cross Sections of Outer Channel 102,103,104	DR - 03 - 006	Cross Sections of Turning Basin (T-15,T-16)	QW - 01 - 026	Reinforcement of Caisson (1)
DR - 02 - 005	Cross Sections of Outer Channel 105,106,107	DR - 03 - 007	Cross Sections of Passenger Turning Basin (PB-1,PB-2,PB-3)	QW - 01 - 027	Reinforcement of Caisson (2)
DR - 02 - 006	Cross Sections of Outer Channel 108,109,110	DR - 03 - 008	Cross Sections of Passenger Turning Basin (PB-4,PB-5,PB-6)	QW - 01 - 028	Reinforcement of Caisson (3)
DR - 02 - 007	Cross Sections of Outer Channel 111,112,113	DR - 03 - 009	Cross Sections of Passenger Turning Basin (PB-7,PB-8)	QW - 01 - 029	Reinforcement of Caisson (4)
DR - 02 - 008	Cross Sections of Outer Channel 114,115,116		<b>RECLAMATION AND EXCAVATION</b>	QW - 01 - 030	Reinforcement of Caisson (5)
DR - 02 - 009	Cross Sections of Outer Channel 117,118,119	DR - 04 - 001	Cross Sections of Reclamation and Excavation (-4,-3,-2)	QW - 01 - 031	Reinforcement of Caisson (6)
DR - 02 - 010	Cross Sections of Outer Channel 120,121,122	DR - 04 - 002	Cross Sections of Reclamation and Excavation (-1,0,1)	QW - 01 - 032	Reinforcement of Caisson (7)
DR - 02 - 011	Cross Sections of Outer Channel 123,124,125	DR - 04 - 003	Cross Sections of Reclamation and Excavation (2,3,4)	QW - 01 - 033	Reinforcement of Caisson (8)
DR - 02 - 012	Cross Sections of Outer Channel 126,127,128	DR - 04 - 004	Cross Sections of Reclamation and Excavation (5,6,7)	QW - 01 - 034	Reinforcement of Caisson (9)
DR - 02 - 013	Cross Sections of Outer Channel 129,130,131	DR - 04 - 005	Cross Sections of Reclamation and Excavation (8,9,10)	QW - 01 - 035	Reinforcement of Caisson (10)
DR - 02 - 014	Cross Sections of Outer Channel 132,133,134	DR - 04 - 006	Cross Sections of Reclamation and Excavation (11,12,13)	QW - 01 - 036	Reinforcement of Caisson (11)
DR - 02 - 015	Cross Sections of Outer Channel 135,136,137	DR - 04 - 007	Cross Sections of Reclamation and Excavation (14,15,16)	QW - 01 - 037	Reinforcement of Caisson (12)
DR - 02 - 016	Cross Sections of Outer Channel 138,139,140	DR - 04 - 008	Cross Sections of Reclamation and Excavation (17,18,19)	QW - 01 - 038	Detail Layout Plan Container and Multi-Purpose Berth (1)
DR - 02 - 017	Cross Sections of Outer Channel 141,142,143	DR - 04 - 009	Cross Sections of Reclamation and Excavation (20,21,22)	QW - 01 - 039	Detail Layout Plan Container and Multi-Purpose Berth (2)
DR - 02 - 018	Cross Sections of Outer Channel 144,145,146	DR - 04 - 010	Cross Section of Reclamation and Excavation (22')		

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					CHECKED BY :				SUB-SECTION : DRAWING LIST	SCALE :	
					APPROVED BY :				TITLE : DRAWING LIST FOR PACKAGE-A CIVIL WORKS (1/3)	DRAWING NO. : DL-02-001	




**LA UNION PORT DEVELOPMENT PROJECT  
DRAWING LIST FOR PACKAGE-A (1/2)  
CIVIL WORKS**

Drawing No.	Title	Drawing No.	Title	Drawing No.	Title
QW - 01 - 040	Detail of Coping (1)	QW - 02 - 019	Bar Sectional Arrangement for Platform 2 Haunch	RV - 01 - 016	Cross Sections (13)
QW - 01 - 041	Detail of Coping (2)	QW - 02 - 020	Bar Arrangement for Platform 2 Pile Head	RV - 01 - 017	Cross Sections (14)
QW - 01 - 042	Detail of Coping (3)	QW - 02 - 021	Bar Bending Schedule for Platform 2 No. 1 (Deck Slab)	RV - 01 - 018	Cross Sections (15)
QW - 01 - 043	Detail of Coping (4)	QW - 02 - 022	Bar Bending Schedule for Platform 2 No. 2 (Beam Part 1)	RV - 01 - 019	Cross Sections (16)
QW - 01 - 044	Detail of Iron Cover & Under Hung	QW - 02 - 023	Bar Bending Schedule for Platform 2 No. 3 (Beam Part 2)	RV - 01 - 020	Cross Sections (17)
QW - 01 - 045	Reinforcement of Coping Concrete (1) (Container)	QW - 02 - 024	Bar Bending Schedule for Platform 2 No. 4 (Beam Part 3)	RV - 01 - 021	Cross Sections (18)
QW - 01 - 046	Reinforcement of Coping Concrete (2) (Container)	QW - 02 - 025	Detail of Catwalk	RV - 01 - 022	Cross Sections (19)
QW - 01 - 047	Reinforcement of Coping Concrete (3) (Container)	QW - 02 - 026	Structure of Connection Plate	RV - 01 - 023	Cross Section (20)
QW - 01 - 048	Reinforcement of Coping Concrete (4) (Multi-Purpose)	QW - 02 - 027	Bar Arrangement for Connction Plate	RV - 01 - 024	Plan - Profile and Standard Section (1)
QW - 01 - 049	Reinforcement of Coping Concrete (5) (Multi-Purpose)	QW - 02 - 028	Detail of Curb	RV - 01 - 025	Plan - Profile and Standard Section (2)
QW - 01 - 050	Reinforcement of Coping Concrete (6) (Multi-Purpose)	QW - 02 - 029	Details of Bollard and Bitt (Passenger)	RV - 01 - 026	Detail of Concrete Blocks
QW - 01 - 051	Reinforcement of Coping Concrete (7)(Multi-Purpose)	QW - 02 - 030	Arrangement and Structure of Foundation of Bollard		EAST REVETMENT
QW - 01 - 052	Reinforcement of Coping Concrete (8) (Multi-Purpose)	QW - 02 - 031	Fender System and Ladder	RV - 02 - 001	Plan and Profile East Revetment
QW - 01 - 053	Reinforcement of Coping Concrete (9) (Multi-Purpose)	QW - 02 - 032	Cathodic Protection System (1)	RV - 02 - 002	Plan of Dredging
QW - 01 - 054	Crane Foundation (Land Side)	QW - 02 - 033	Cathodic Protection System (2)	RV - 02 - 003	Plan of Sand Replacement
QW - 01 - 055	Reinforcement of Crane Foundation		<b>REVETMENT WORKS</b>	RV - 02 - 004	Cross Section (1)
QW - 01 - 056	Detail of Crane Rail		<b>GENERAL</b>	RV - 02 - 005	Cross Sections (2)
QW - 01 - 057	Detail of Anchor-Jack up Plate & Socket Block	RV - 00 - 001	Plan of Revetment	RV - 02 - 006	Cross Sections (3)
QW - 01 - 058	Details of Crane End Stopper	RV - 00 - 002	Typical Cross Sections of East Revetment (1)	RV - 02 - 007	Cross Sections (4)
QW - 01 - 059	Detail of Curb & Corner Protection	RV - 00 - 003	Typical Cross Sections of East Revetment (2)	RV - 02 - 008	Cross Sections (5)
QW - 01 - 060	Details of Bollard (Container)	RV - 00 - 004	Typical Cross Sections of West Revetment (1)	RV - 02 - 009	Cross Sections (6)
QW - 01 - 061	Fender System and Ladder	RV - 00 - 005	Typical Cross Sections of West Revetment (2)	RV - 02 - 010	Cross Sections (7)
	<b>PASSENGER BERTH</b>	RV - 00 - 006	Typical Cross Sections of West Revetment (3)	RV - 02 - 011	Cross Sections (8)
QW - 02 - 001	Plan and Profile of Passenger Berth	RV - 00 - 007	Typical Sections of Temporary Revetment DUMPING AREA (1)	RV - 02 - 012	Cross Sections (9)
QW - 02 - 002	Passenger Berth Pier 1 Plan & Typical Cross Section	RV - 00 - 008	Typical Sections of Temporary Revetment DUMPING AREA (2)	RV - 02 - 013	Cross Sections (10)
QW - 02 - 003	Passenger Berth Pier 2 Plan & Typical Cross Section	RV - 00 - 009	Typical Cross Sections of Temporary Bund (East - West)	RV - 02 - 014	Cross Sections (11)
QW - 02 - 004	Passenger Berth Breasting Dolphin Plan & Typical Cross Section		<b>WEST REVETMENT</b>	RV - 02 - 015	Cross Sections (12)
QW - 02 - 005	Detail Layout Plan Passenger Berth	RV - 01 - 001	Plan and Profile	RV - 02 - 016	Cross Sections (13)
QW - 02 - 006	Bar Arrangement for Breasting Dolphin	RV - 01 - 002	Plan of Dredging	RV - 02 - 017	Cross Sections (14)
QW - 02 - 007	Bar Bending Schedule for Breasting Dolphin	RV - 01 - 003	Plan of Sand Replacement	RV - 02 - 018	Cross Sections (15)
QW - 02 - 008	Bar Arrangement for Platform 1 Beam	RV - 01 - 004	Cross Sections (1)	RV - 02 - 019	Cross Sections (16)
QW - 02 - 009	Bar Arrangement for Platform 1 Deck Slab	RV - 01 - 005	Cross Sections (2)	RV - 02 - 020	Cross-Section (17)
QW - 02 - 010	Bar Arrangement for Platform 1 Pile Head	RV - 01 - 006	Cross Sections (3)		<b>ROAD AND PAVEMENTS</b>
QW - 02 - 011	Bar Bending Schedule for Platform 1 Beam	RV - 01 - 007	Cross Sections (4)		<b>GENERAL</b>
QW - 02 - 012	Bar Arrangement for Platform 2 Beam (Lower Side)	RV - 01 - 008	Cross Sections (5)	PV - 00 - 001	General Plan of Road and Pavement
QW - 02 - 013	Bar Arrangement for Platform 2 Beam (Upper Side)	RV - 01 - 009	Cross Sections (6)	PV - 00 - 002	Grading Plan of Pavement Surface
QW - 02 - 014	Bar Sectional Arrangement for Platform 2 Beam (Parallel & Oblique to Normal Line)	RV - 01 - 010	Cross Sections (7)	PV - 00 - 003	Cross Sections of Yard
		RV - 01 - 011	Cross Sections (8)	PV - 00 - 004	Typical Sections of Road and Pavement
QW - 02 - 015	Bar Sectional Arrangement for Platform 2 Beam (Vertical to Normal Line)	RV - 01 - 012	Cross Sections (9)	PV - 00 - 005	Layout of Curb Stone and Fence
		RV - 01 - 013	Cross Sections (10)		
QW - 02 - 016	Bar Sectional Arrangement for Plaform 2 Deck Slab	RV - 01 - 014	Cross Sections (11)		
QW - 02 - 017	Bar Arrangement for Platform 2 Deck Slab (Lower Side)	RV - 01 - 015	Cross Sections (12)		
QW - 02 - 018	Bar Arrangement for Platform 2 Beam (Upper Side)				

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**LA UNION PORT DEVELOPMENT PROJECT  
DRAWING LIST FOR PACKAGE-A (1/2)  
CIVIL WORKS**

Drawing No.	Title	Drawing No.	Title	Drawing No.	Title
	<b>PAVEMENT</b>				
PV - 01 - 001	Layout of Container Stacking Yard	SD - 01 - 016	Manhole Detail Type 5,6,7,8		
PV - 01 - 002	Location of Container Stacking Plate for Container	SD - 01 - 017	Manhole Detail Type 9,10,11,12		
PV - 01 - 003	Layout of Container Stacking Plate for Reefer Container	SD - 01 - 018	Manhole Detail Type 13,14,15,16		
PV - 01 - 004	Details of Container Stacking Plate	SD - 01 - 019	Manhole Detail Type 17,18,19,20		
PV - 01 - 005	Joint Arrangement of Concrete Pavement (1)	SD - 01 - 020	Manhole Detail Type 21,22,23,24		
PV - 01 - 006	Joint Arrangement of Concrete Pavement (2)	SD - 01 - 021	Manhole Detail Type 25,26,27,28		
PV - 01 - 007	Joint Arrangement of Concrete Pavement (3)	SD - 01 - 022	Manhole Detail Type 29,30,31		
PV - 01 - 008	Joint Arrangement of Concrete Pavement (4)	SD - 01 - 023	Slope Drainage		
PV - 01 - 009	Details of Joints of Concrete Pavement	SD - 01 - 024	Profile and Details of Outlet E		
	<b>ROAD</b>	SD - 01 - 025	Diversion Drainage (1/2)		
PV - 02 - 001	Plan and Profile of Main Road	SD - 01 - 026	Diversion Drainage (2/2)		
			<b>NAVIGATION AIDS</b>		
PV - 02 - 002	Plan and Profile of Feeder Road 1, 2 and 3		<b>GENERAL</b>		
PV - 02 - 003	Cross Sections of Main Road, Feeder 1 and Feeder 2	NA - 00 - 001	Layout of Navigation Aid		
PV - 02 - 004	Cross Sections of Feeder 3		<b>LIGHT HOUSE</b>		
	<b>INCIDENTAL WORK</b>	NA - 01 - 001	Light House and Beacon		
PV - 03 - 001	Traffic Sign and Marking (1/3)		<b>MARKER BUOY</b>		
PV - 03 - 002	Traffic Sign and Marking (2/3)	NA - 02 - 001	Marker Buoy		
PV - 03 - 003	Traffic Sign and Marking (3/3)	NA - 02 - 002	Detail of Anchor, Chain & Sinkers		
PV - 03 - 004	Details of Traffic Sign Roads and Marking		<b>MISCELLANEOUS</b>		
PV - 03 - 005	Details of Curb Stone		<b>GENERAL</b>		
PV - 03 - 006	Detail of Security Fence	MS - 00 - 001	Site Clearance		
PV - 03 - 007	Detail of Swing Gate	MS - 00 - 002	List of Buildings and Facilities to be Demolished		
	<b>STORM DRAINAGE</b>	MS - 00 - 003	Temporary Facilities		
	<b>GENERAL</b>				
SD - 00 - 001	Layout Plan of Pipe Culvert & Manhole				
SD - 00 - 002	Layout of Trench & Manhole				
	<b>PROFILE AND DETAILS</b>				
SD - 01 - 001	Longitudinal Profile of Pipe Route A				
SD - 01 - 002	Longitudinal Profile of Pipe Route B				
SD - 01 - 003	Longitudinal Profile of Pipe Route C (1/2)				
SD - 01 - 004	Longitudinal Profile of Pipe Route C (2/2)				
SD - 01 - 005	Longitudinal Profile of Pipe Route D (1/2)				
SD - 01 - 006	Longitudinal Profile of Pipe Route D (2/2)				
SD - 01 - 007	Longitudinal Profile of Pipe Route E				
SD - 01 - 008	Typical section of Pipe Culvert and Trenches				
SD - 01 - 009	Details of Manhole (1)				
SD - 01 - 010	Details of Manhole (2)				
SD - 01 - 011	Details of Manhole (3)				
SD - 01 - 012	Details of Manhole (4)				
SD - 01 - 013	Details of Manhole (5)				
SD - 01 - 014	Details of Manhole (6)				
SD - 01 - 015	Manhole Detail Type 1,2,3,4				

REV. NO.	DATE	COORDINATE	BY	APPROVED	DATE	 <b>JICA</b> JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	 <b>CEPA</b> COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)	 <b>NIPPON KOEI CO., LTD.</b>	DESIGNED BY : CHECKED BY : APPROVED BY :	SECTION : CIVIL WORKS SUB-SECTION : DRAWING LIST TITLE : DRAWING LIST FOR PACKAGE-A CIVIL WORKS (3/3)	DATE : OCTOBER/2002 SCALE : DRAWING NO. : DL-02-003
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