BASIC DESIGN STUDY ON THE BRIDGE CONSTRUCTION PROJECT FOR EXPANDED AGRARIAN REFORM COMMUNITIES DEVELOPMENT IN THE REPUBLIC OF THE PHILIPPINES

DRAWINGS (UMIRAY BRIDGE)

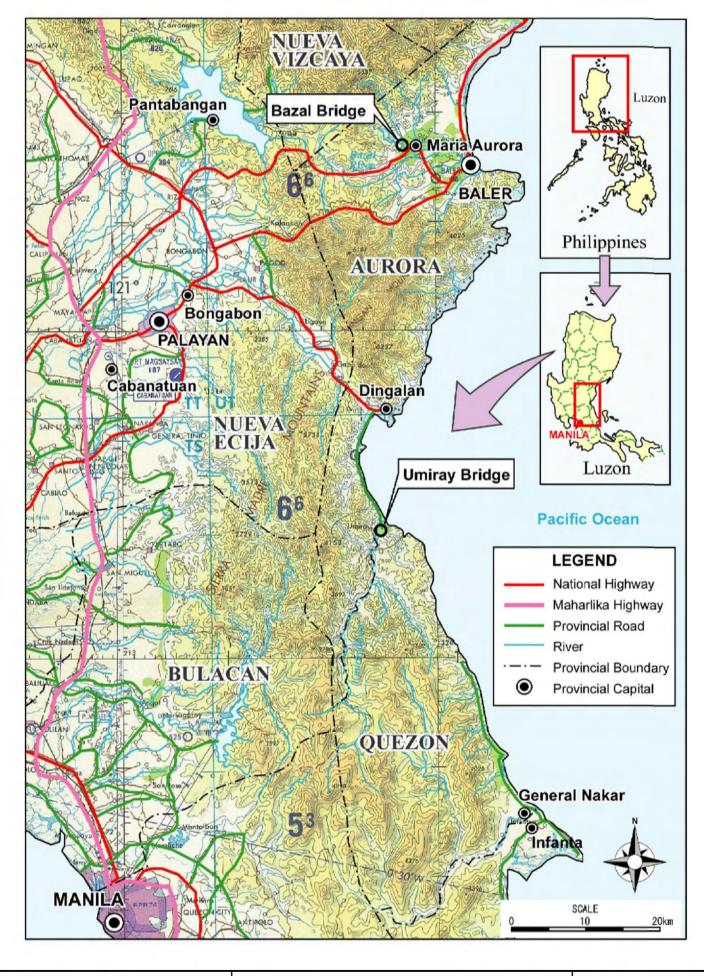
September 2008

JAPAN INTERNATIONAL COOPERATION AGENCY

CTI ENGINEERING INTERNATIONAL CO., LTD.

LIST OF DRAWINGS (UMIRAY BRIDGE)

No.	Drawing Title	Scale	No.	Drawing Title	Scale
U01	Project Location Map	-	U21	Road Cross Section (3/6)	1/100
U02	Road Plan (1/2)	1/500	U22	Road Cross Section (4/6)	1/100
U03	Road Plan (2/2)	1/500	U23	Road Cross Section (5/6)	1/100
U04	Road Plan for Temporary Works	1/500	U24	Road Cross Section (6/6)	1/100
U05	Road Profile (1/2)	H=1/500, V=1/100	U25	Cross Section for Detour Road	1/100
U06	Road Profile (2/2)	H=1/500, V=1/100	U26	Cross Section for Temporary Road (1/3)	1/100
U07	Typical Cross Section of Road Section (1/2)	1/50	U27	Cross Section for Temporary Road (2/3)	1/100
U08	Typical Cross Section of Road Section (2/2)	1/50	U28	Cross Section for Temporary Road (3/3)	1/100
U09	Typical Cross Section of Temporary Works	1/50	U29	Drainage Facilities (1/2)	1/20
U10	General Drawing of Umiray Bridge	1/500	U30	Drainage Facilities (2/2)	1/20
U11	Structural Drawing of Superstructure (1/2)	1/150	U31	Road Signs	-
U12	Structural Drawing of Superstructure (2/2)	1/150	U32	Detail of Concrete Pavement	1/100
U13	Structural Drawing of A1 Abutment (1/2)	1/50	U33	Miscellaneous Details (1/2)	1/20
U14	Structural Drawing of A1 Abutment (2/2)	1/50	U34	Miscellaneous Details (2/2)	1/20
U15	Structural Drawing of A2 Abutment (1/2)	1/50			
U16	Structural Drawing of A2 Abutment (2/2)	1/50			
U17	Structural Drawing of P1-P4, P6-P9 Bridge Pier	1/50			
U18	Structural Drawing of P5 Bridge Pier	1/50			
U19	Road Cross Section (1/6)	1/100			
U20	Road Cross Section (2/6)	1/100			



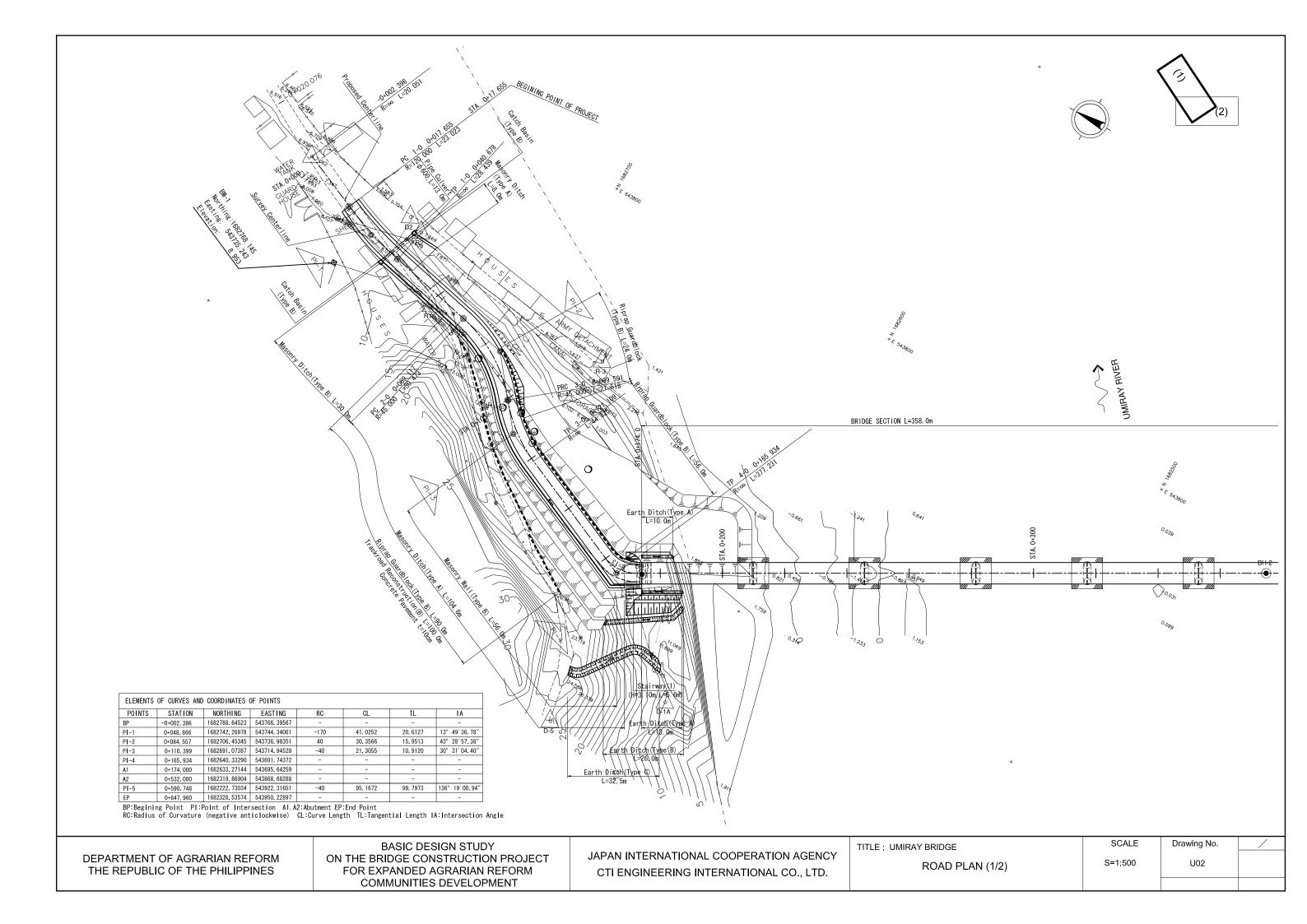
DEPARTMENT OF AGRARIAN REFORM
THE REPUBLIC OF THE PHILIPPINES

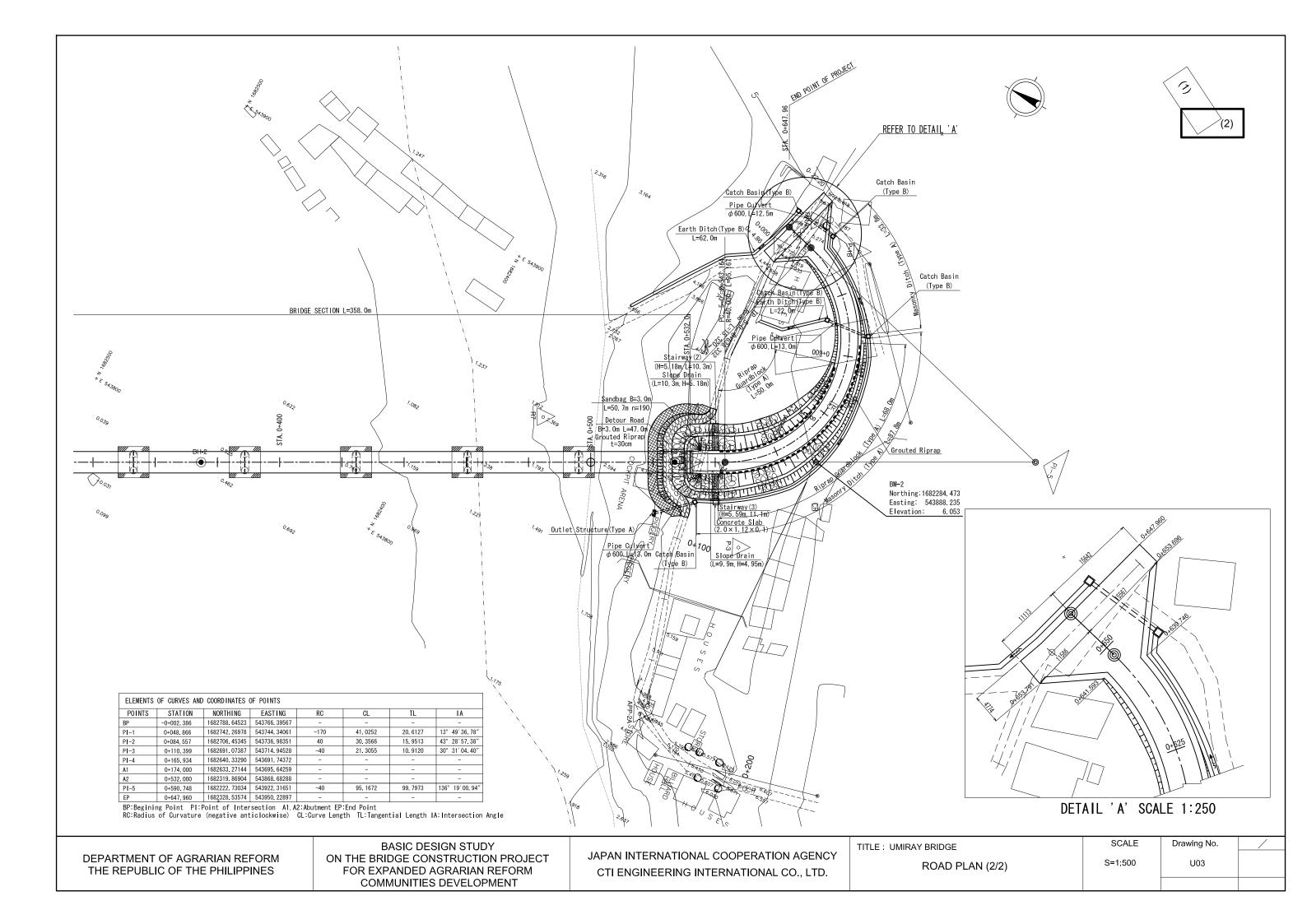
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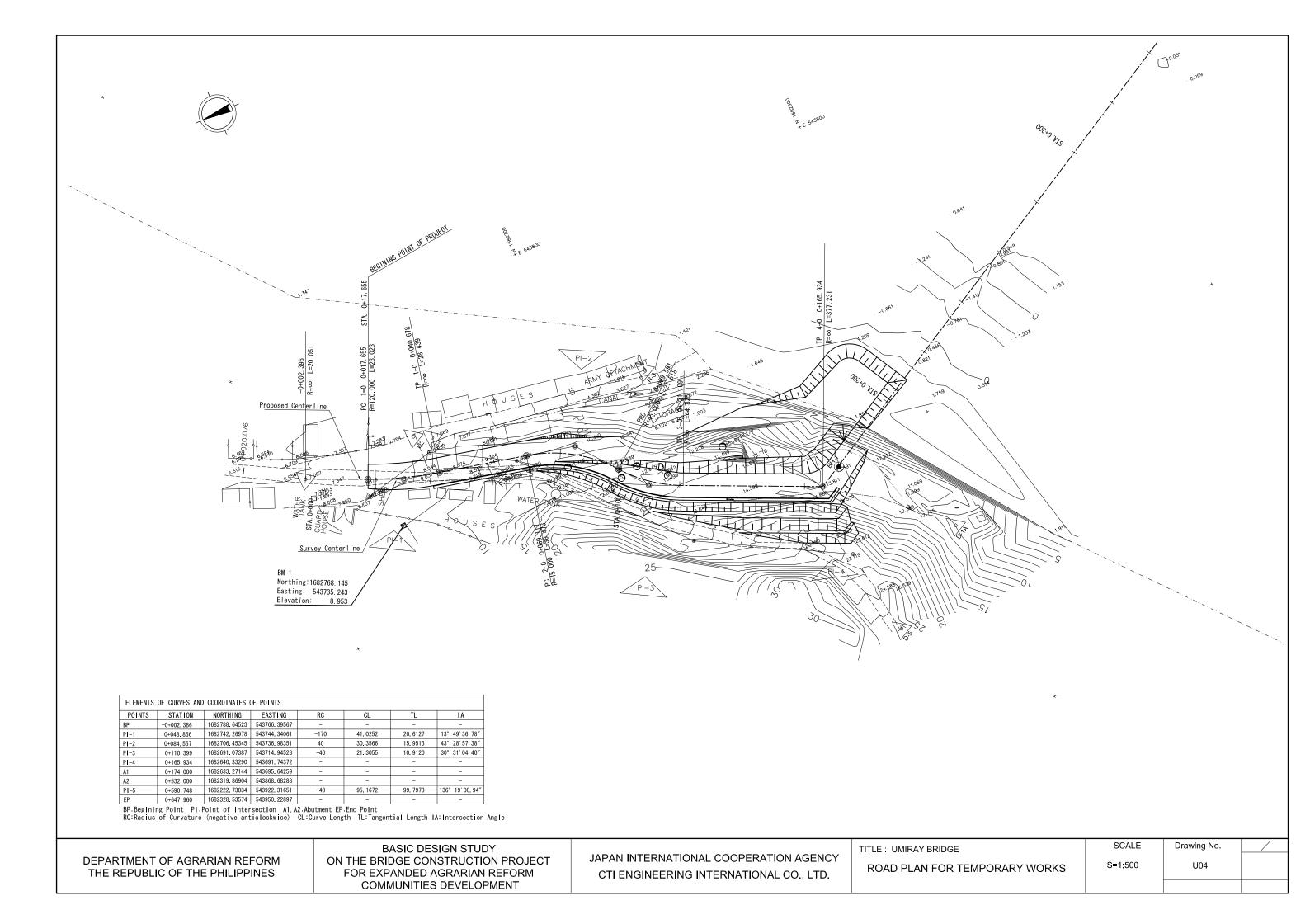
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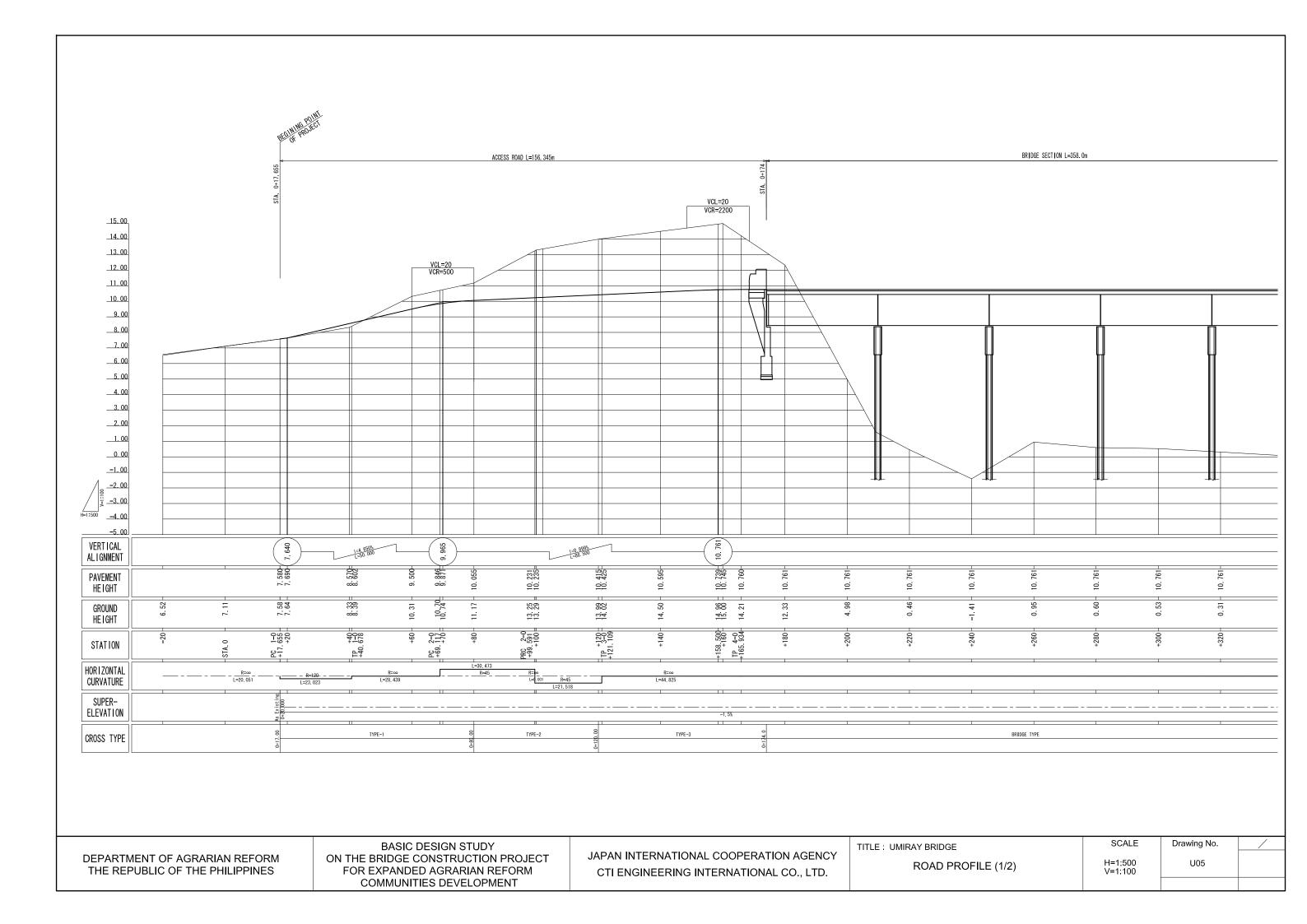
TITLE: UMIRAY BRIDGE
LOCATION MAP

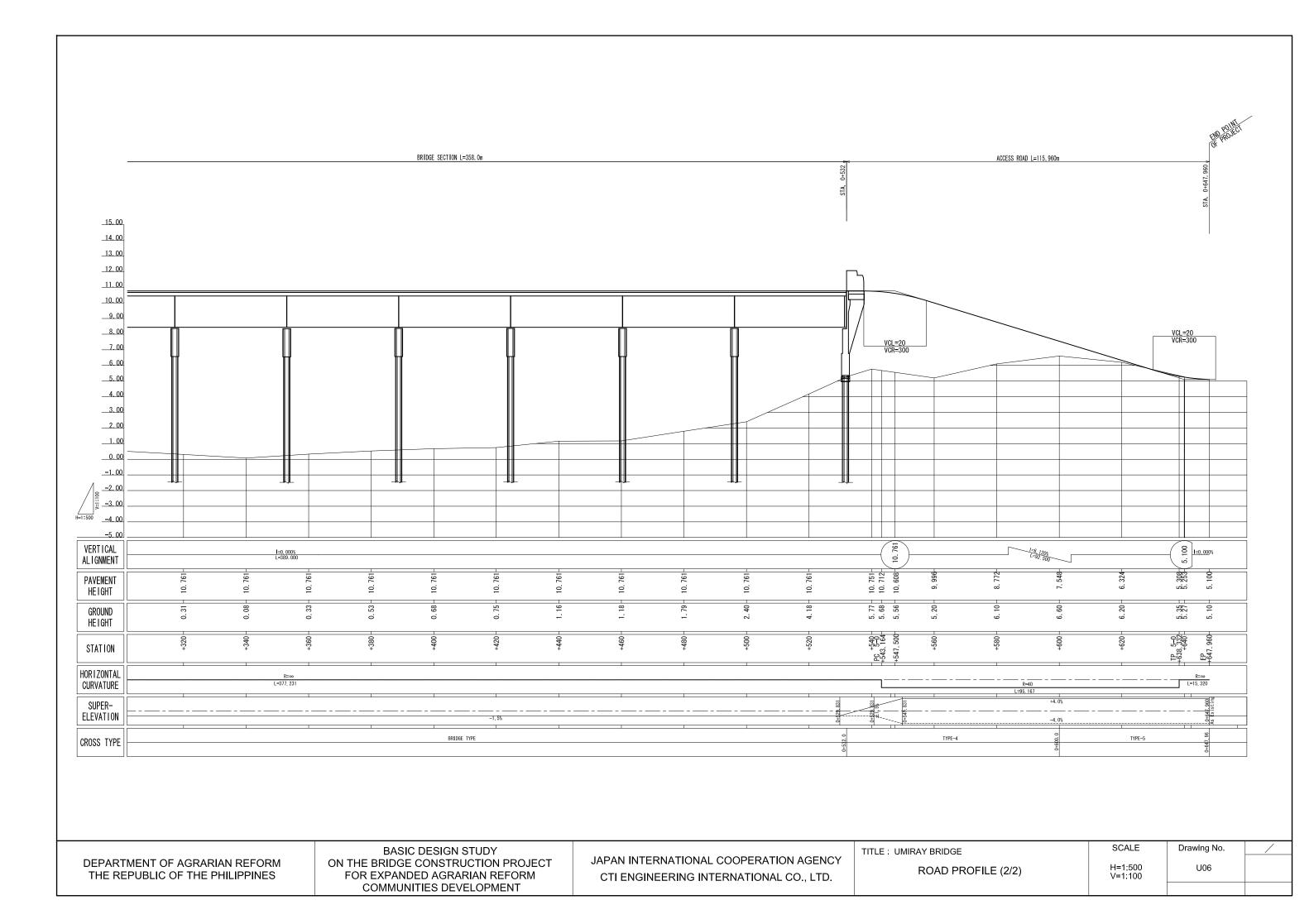
SCALE Drawing No. /
Not on Scale U01

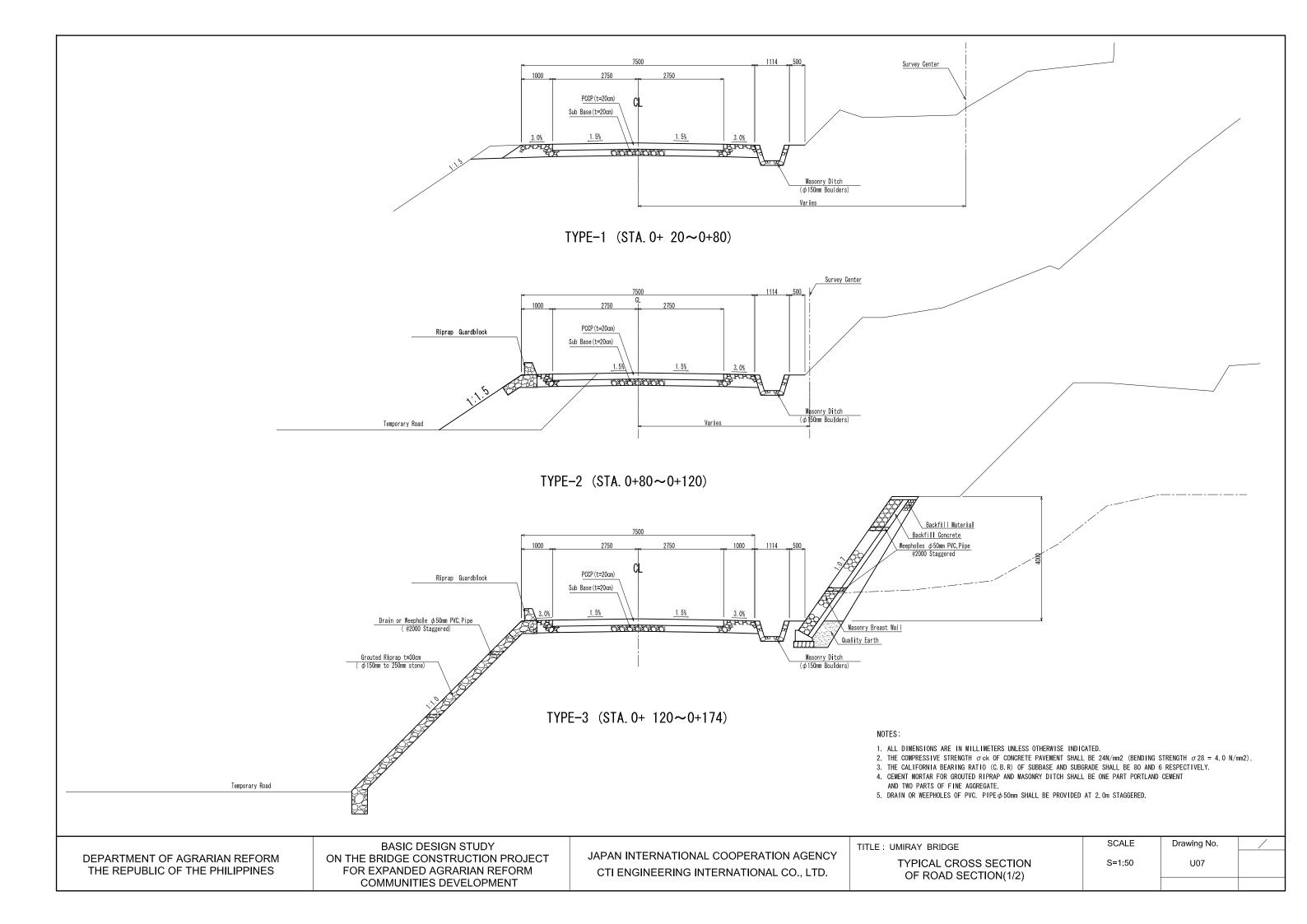


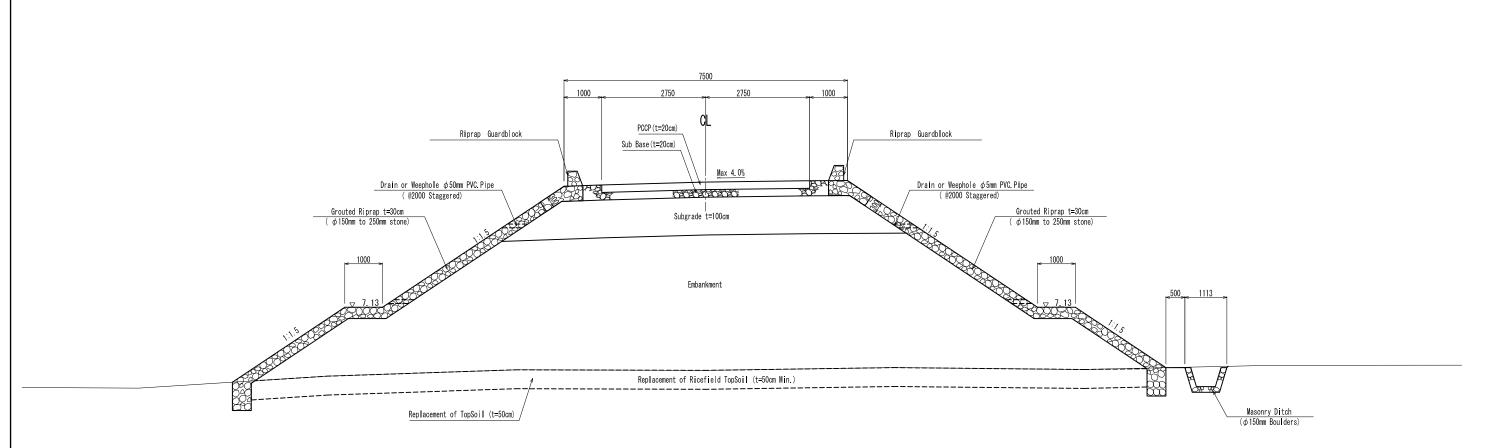




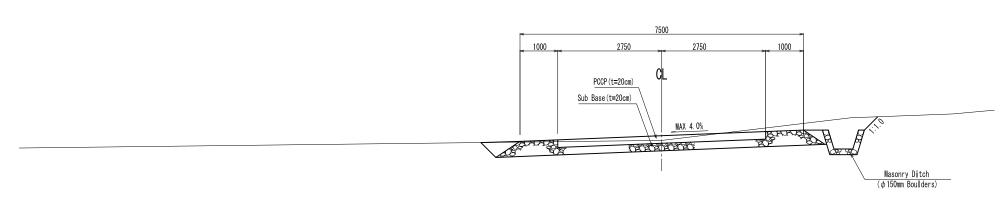








TYPE-4 (STA. $0+532 \sim 0+600$)



TYPE-5 (STA. $0+600 \sim 0+647.96$)

NOTE

- 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- 2. THE COMPRESSIVE STRENGTH σ ck OF CONCRETE PAVEMENT SHALL BE 24N/mm2 (BENDING STRENGTH σ 28 = 4.0 N/mm2).
- 3. THE CALIFORNIA BEARING RATIO (C.B.R) OF SUBBASE AND SUBGRADE SHALL BE 80 AND 6 RESPECTIVELY.
- 4. CEMENT MORTAR FOR GROUTED RIPRAP AND MASONRY DITCH SHALL BE ONE PART PORTLAND CEMENT AND TWO PARTS OF FINE AGGREGATE.
- 5. DRAIN OR WEEPHOLES OF PVC. PIPE ϕ 50mm SHALL BE PROVIDED AT 2.0m STAGGERED.

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TITLE: UMIRAY BRIDGE

TYPICAL CROSS SECTION

OF ROAD SECTION(2/2)

SCALE Drawing No.

S=1:50 U08