

MINISTRY OF
TRANSPORT AND INFRASTRUCTURE
(MTI)

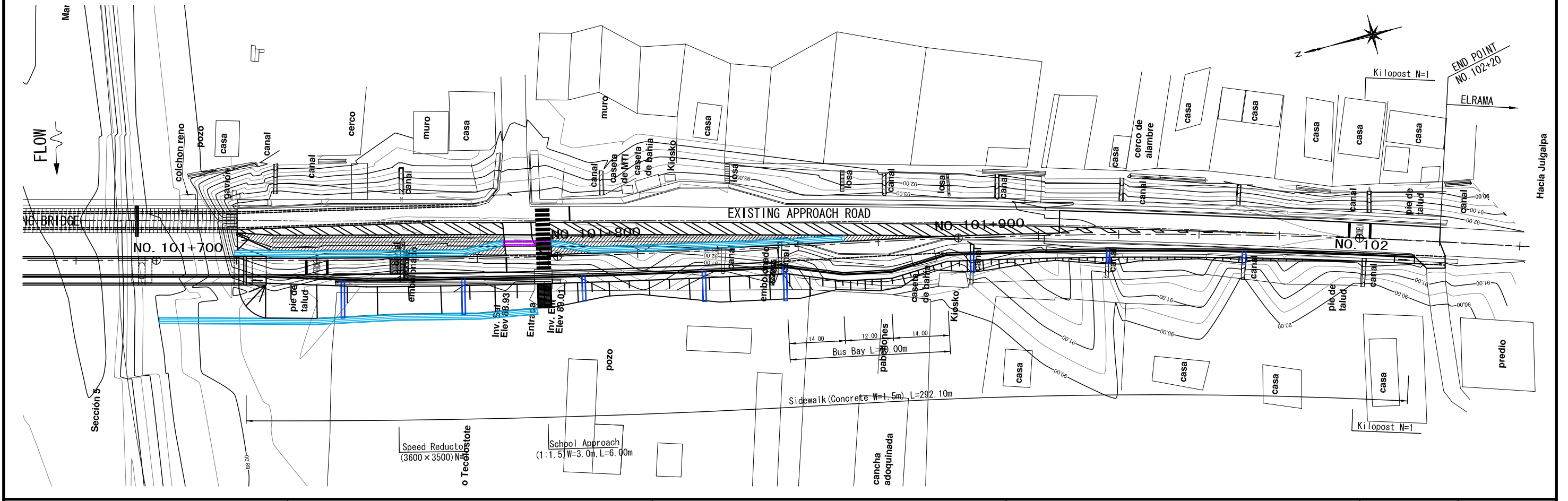
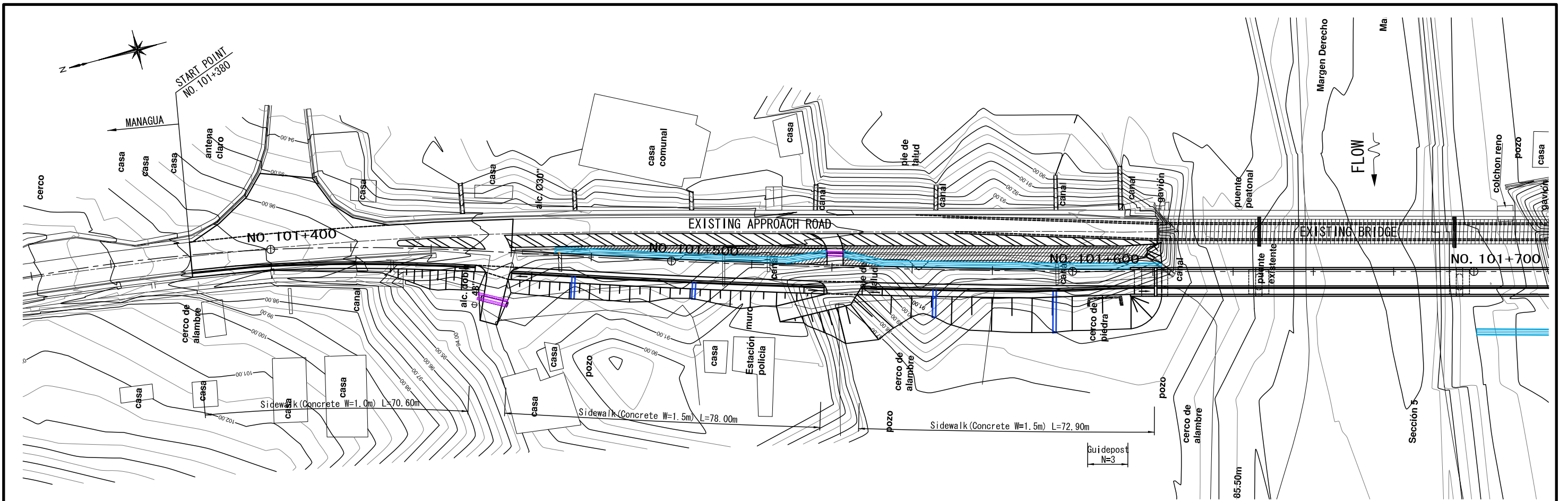
THE PREPATORY STUDY ON
THE PROJECT FOR RECONSTRUCTION OF BRIDGES
ON MANAGUA - EL RAMA ROAD
IN THE REPUBLIC OF NICARAGUA

JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING INTERNATIONAL CO., LTD.

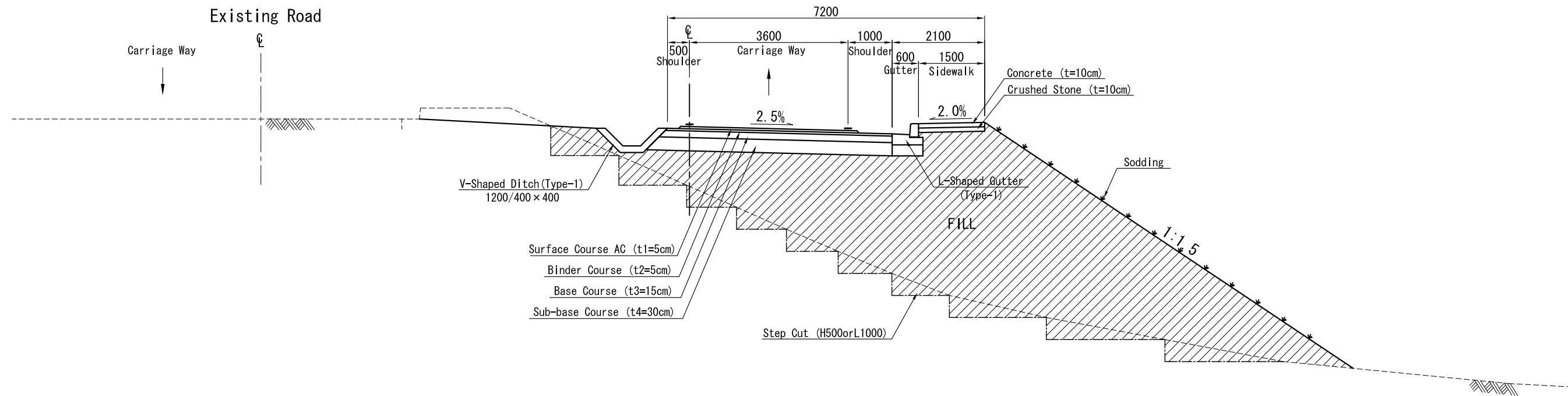
TITLE :
PLAN OF APPROACH ROAD
(DRAINAGE FACILITIES)

SCALE(A1size)
S=1:500

Drawing No.
TE-08



MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)	THE PREPATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.	TITLE : PLAN OF APPROACH ROAD (ROAD ANCILLARY WORKS)	SCALE(A1size) S=1:500	Drawing No. TE-09
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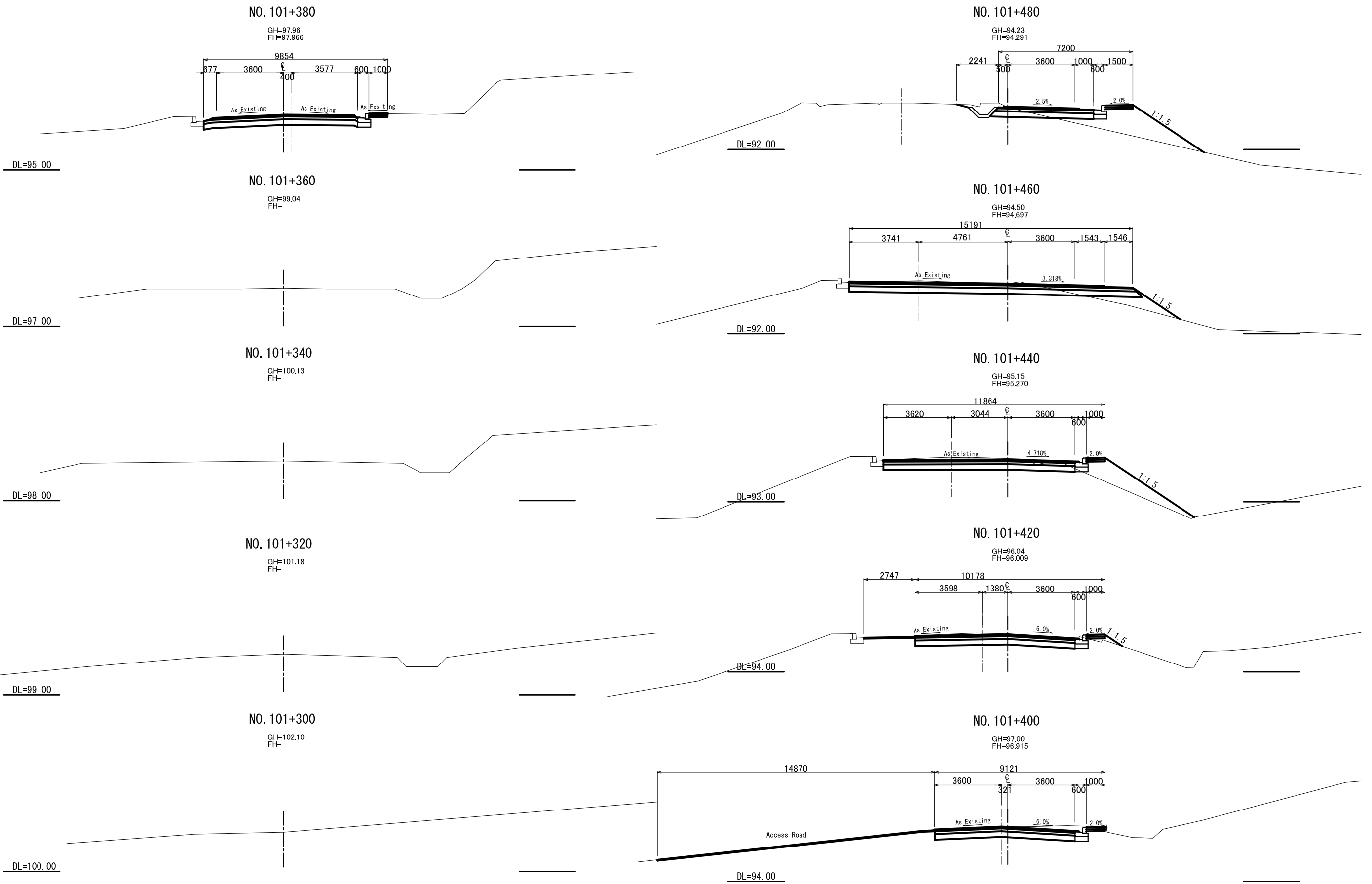


**NO. 101+380 to NO. 102+020
(EXCLUDING BRIDE SECTION)**

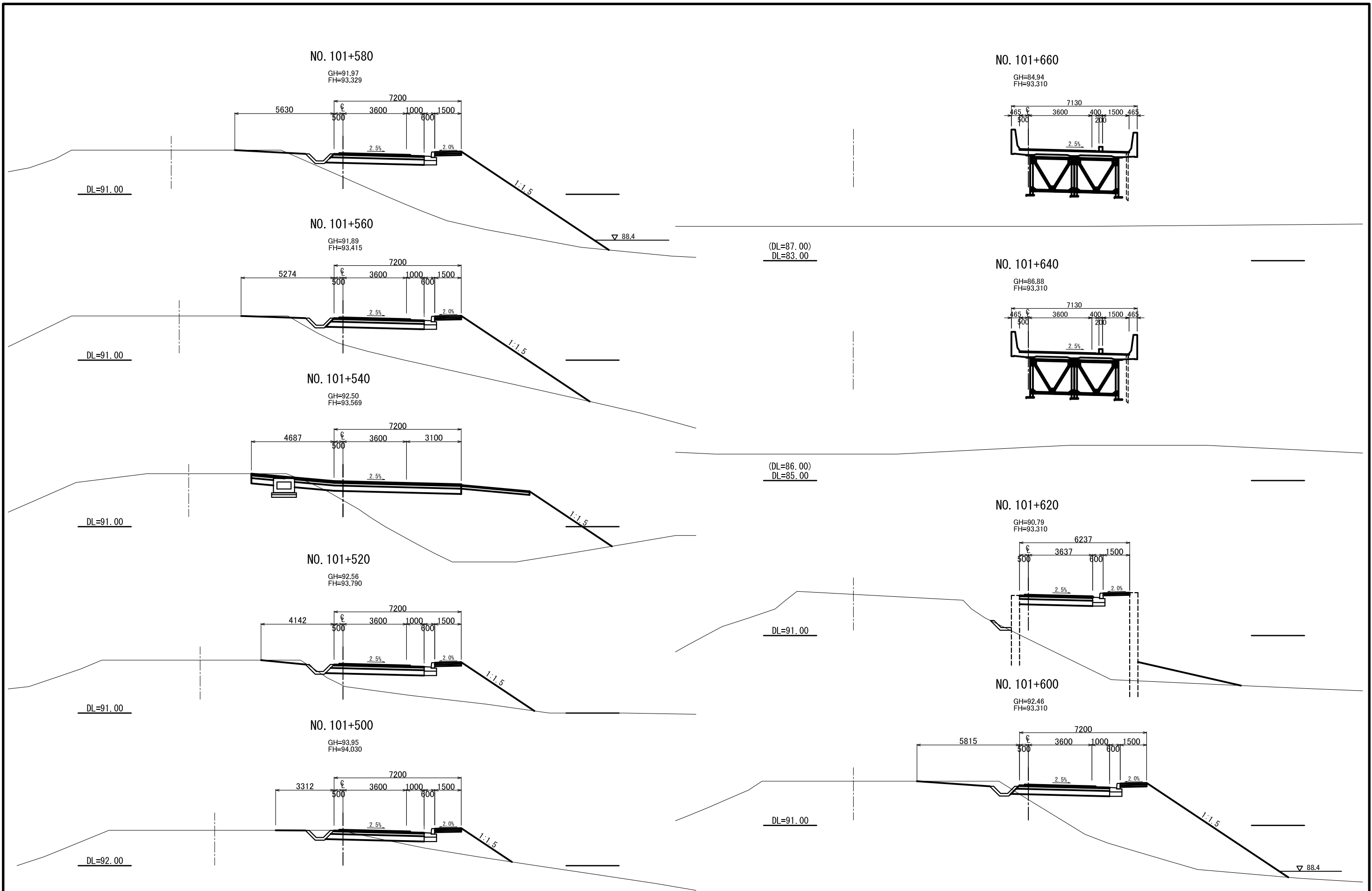
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. ASPHALT OF THE EXISTING ROAD WITHIN THE SECTION AFFECTED BY NEW CONSTRUCTION SHALL BE REMOVED COMPLETELY.
3. CEMENT MORTAR FOR GUTTER AND DITCHES SHALL BE ONE PART PORTLAND CEMENT AND THREE PARTS SAND.

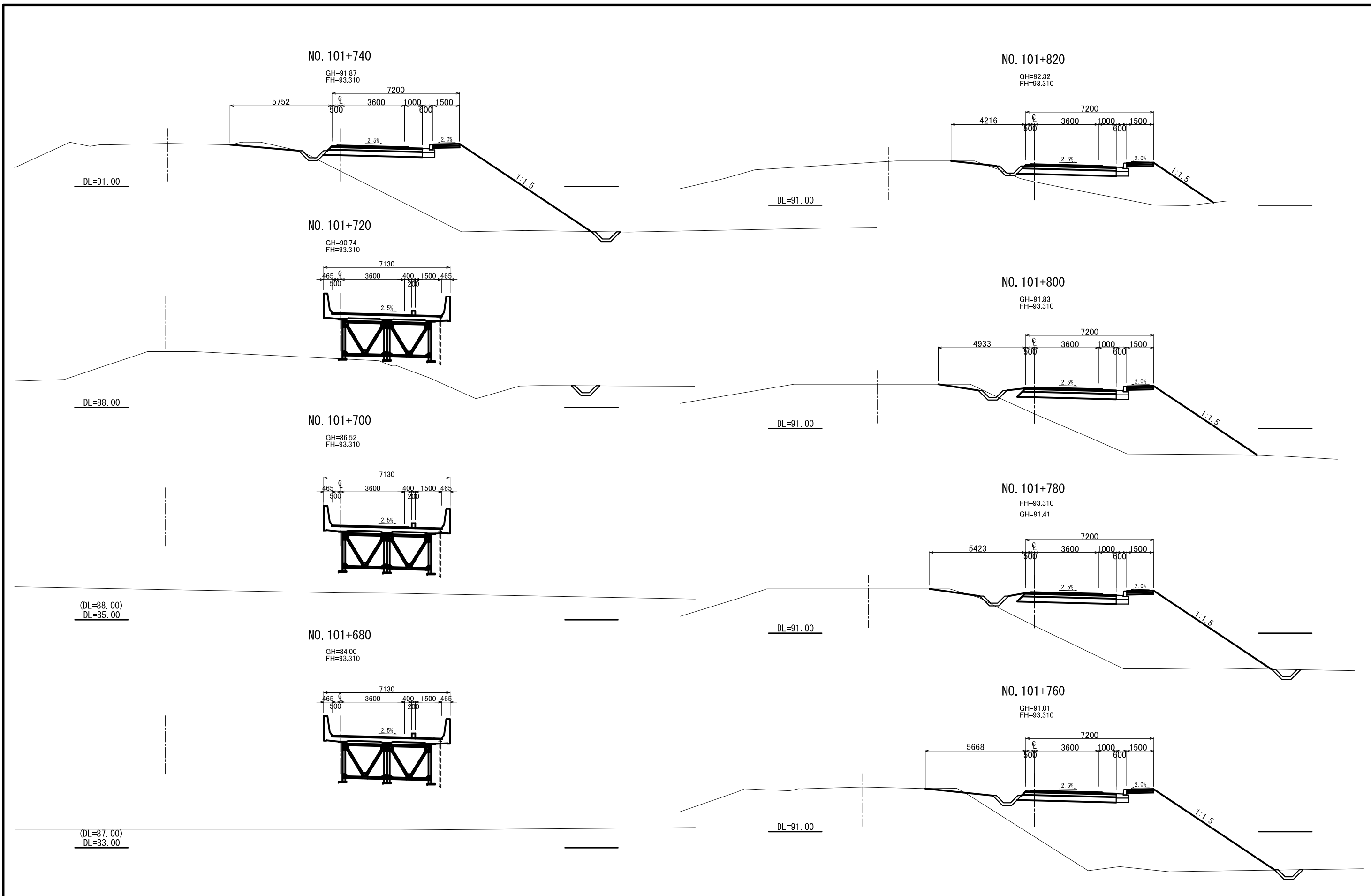
MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)	THE PREPARATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.	TITLE : TYPICAL CROSS SECTION OF APPROACH ROAD	SCALE(A1size) S=1:50	Drawing No. TE-10
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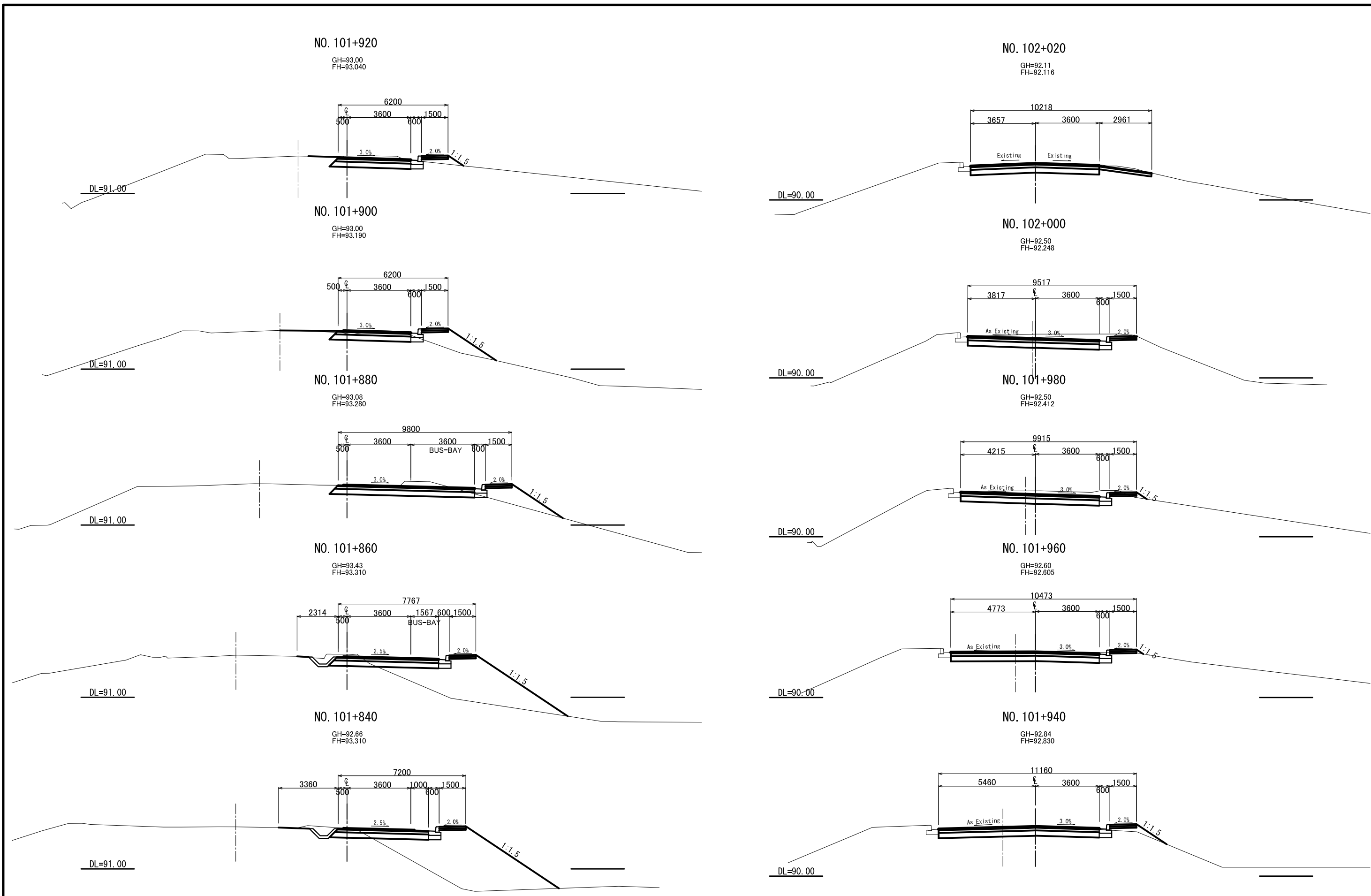
MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)	THE PREPATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.	TITLE : CROSS SECTION OF APPROACH ROAD (1/4)	SCALE(A1size) S=1:100	Drawing No. TE-11
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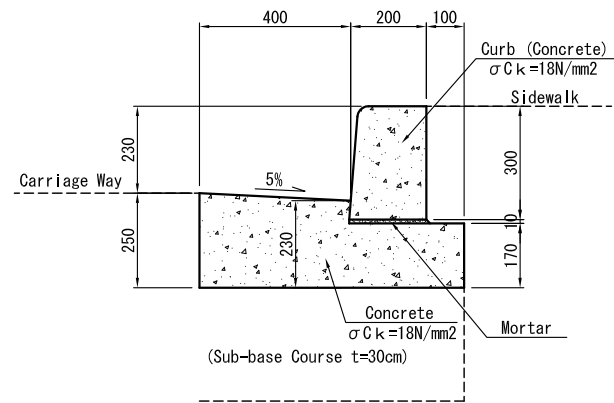
MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)	THE PREPATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.	TITLE : CROSS SECTION OF APPROACH ROAD (2/4)	SCALE(A1size) S=1:100	Drawing No. TE-12
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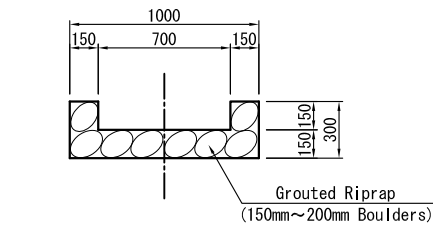
<p>MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)</p>	<p>THE PREPARATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.</p>	<p>TITLE : CROSS SECTION OF APPROACH ROAD (3/4)</p>	<p>SCALE(A1size) S=1:100</p>	<p>Drawing No. TE-13</p>
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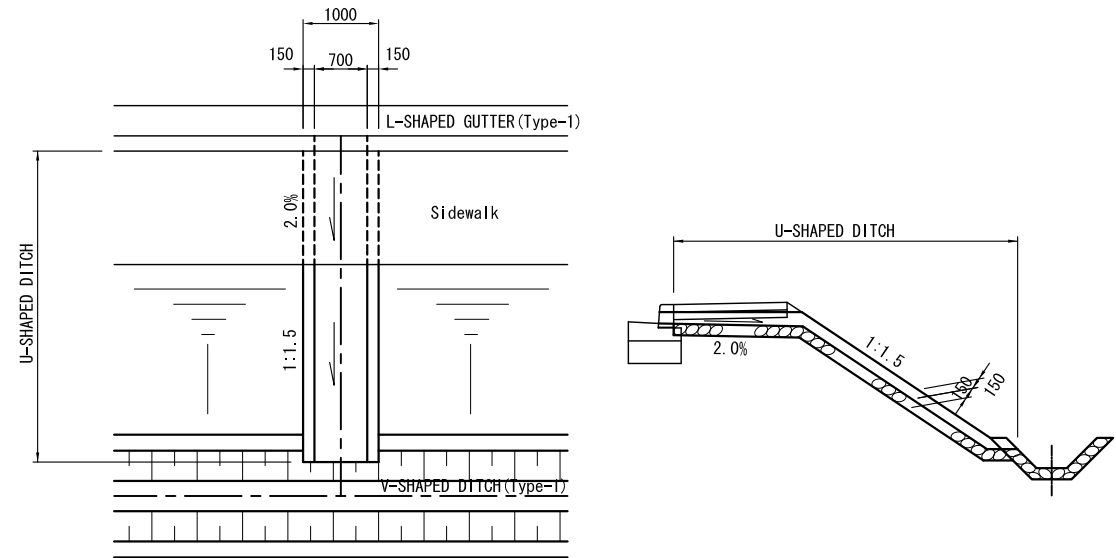
MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)	THE PREPARATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.	TITLE : CROSS SECTION OF APPROACH ROAD (4/4)	SCALE(A1size) S=1:100	Drawing No. TE-14
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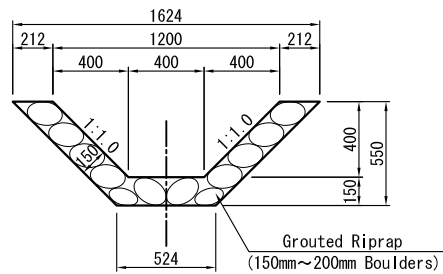
L-SHAPED GUTTER (Type-1) S=1:10



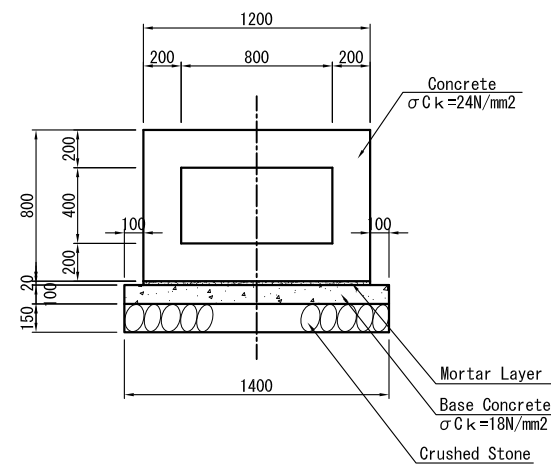
U-SHAPED DITCH S=1:20



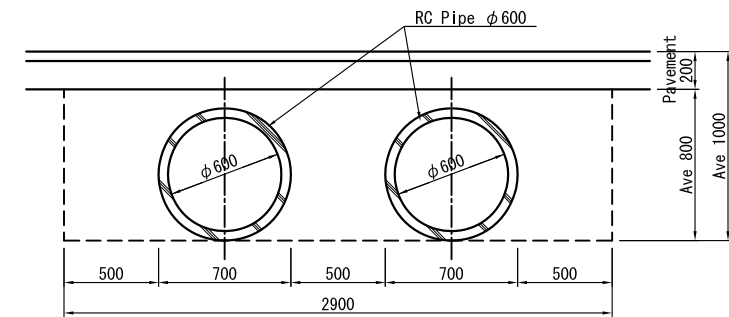
DETAIL OF U-SHAPED DITCH S=1:50



V-SHAPED DITCH (Type-1) S=1:20



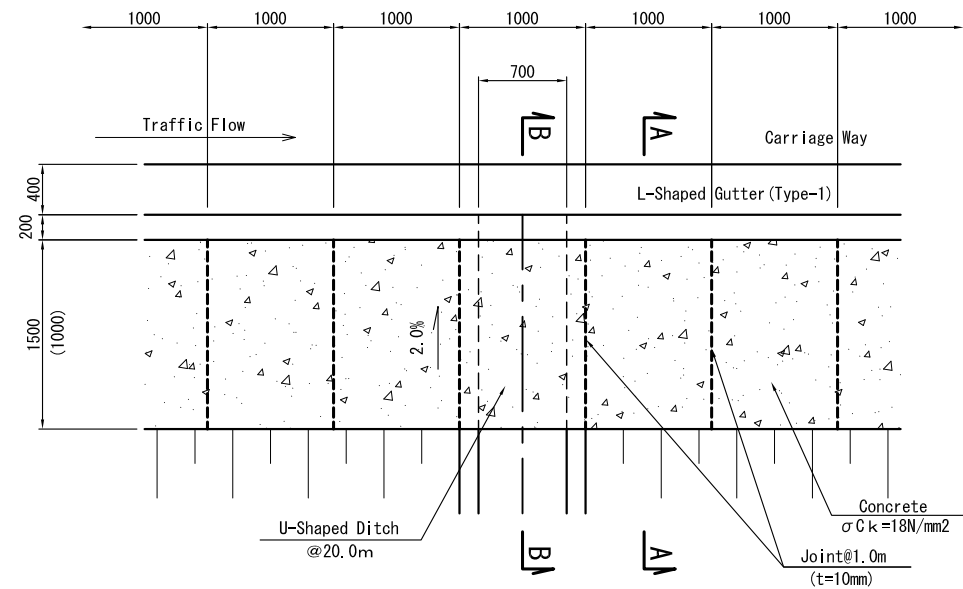
BOX CULVERT (800 × 400) S=1:20



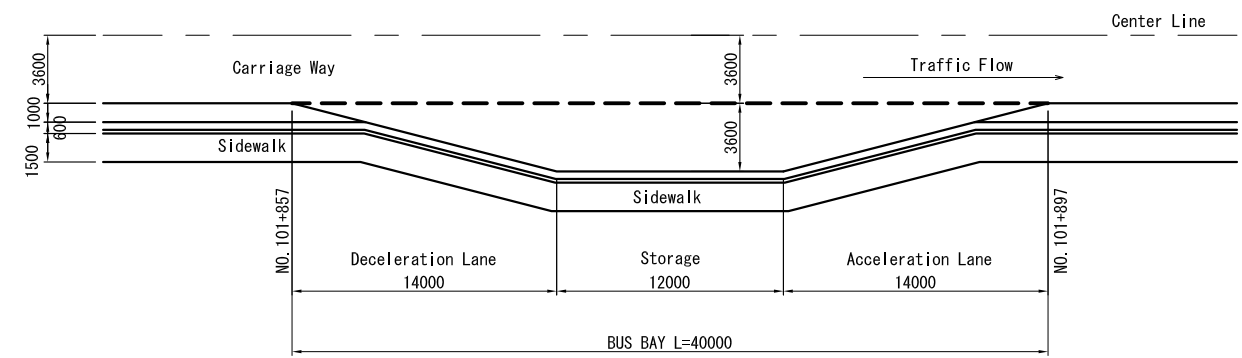
PIPE CULVERT φ 600 (2-Cell) S=1:20

NOTE: CONCRETE MORTAR FOR GROUDED RIPRAP IS ONE PART CEMENT AND THREE PARTS SAND.

<p>MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)</p>	<p>THE PREPARATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.</p>	<p>TITLE : STRUCTURE OF DRAINAGE FACILITIES</p>	<p>SCALE(A1size) AS SHOWN</p>	<p>Drawing No. TE-15</p>
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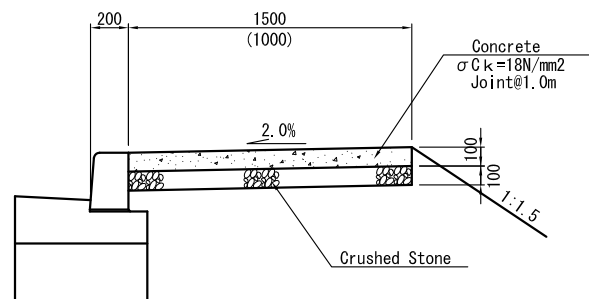


SIDEWALK PLAN S=1:30

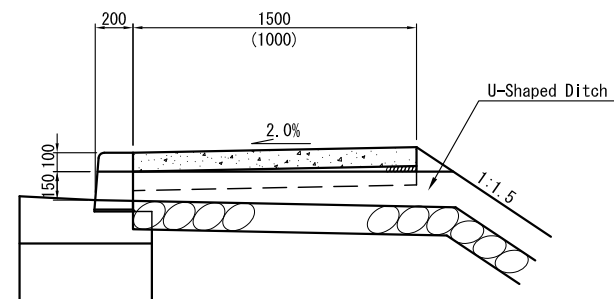


DETAILS OF BUS BAY 1:200

NOTE: BUS SHELTER IS TO BE PROVIDED BY THE GOVERNMENT OF NICARAGUA AND HENCE IS OUT OF SCOPE OF THIS PROJECT.



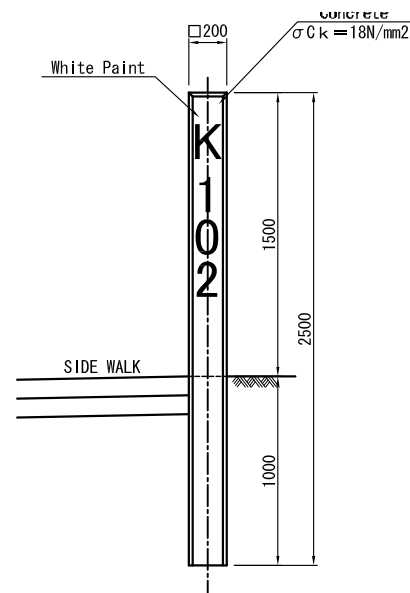
A-A SECTION



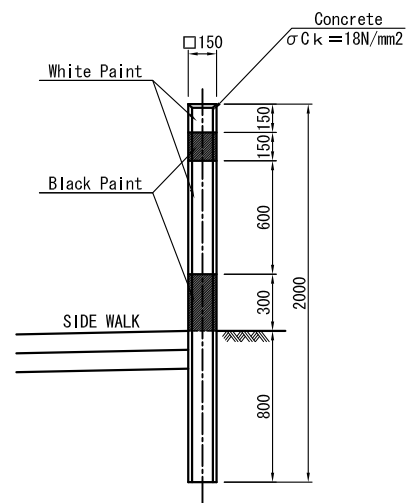
B-B SECTION

SIDEWALK SECTION S=1:20

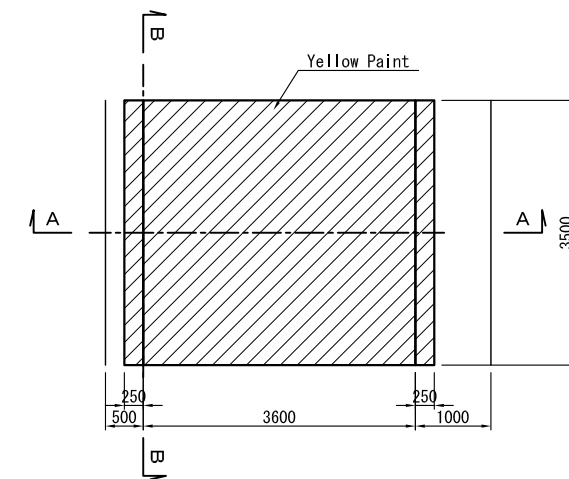
<p>MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)</p>	<p>THE PREPARATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.</p>	<p>TITLE : STRUCUTRE OF SIDEWALK & BUS BAY</p>	<p>SCALE(A1size) AS SHOWN</p>	<p>Drawing No. TE-16</p>
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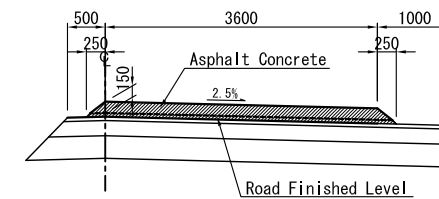
KILOPOST S=1:20



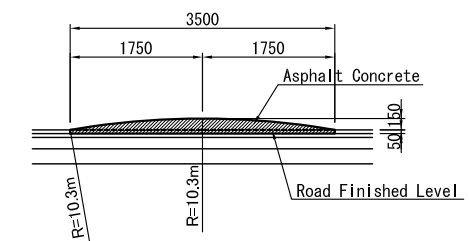
GUIDEPOST S=1:20



PLAN



A - A SECTION



B - B SECTION

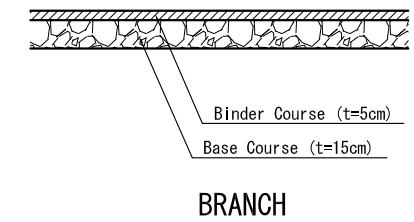
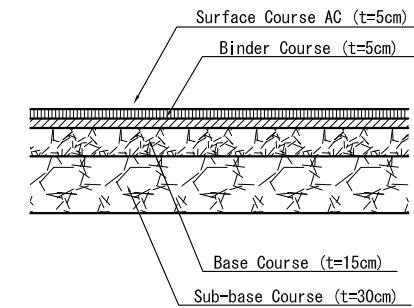
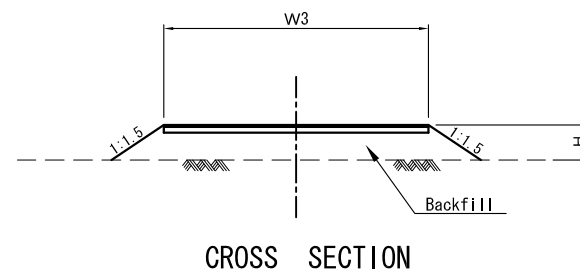
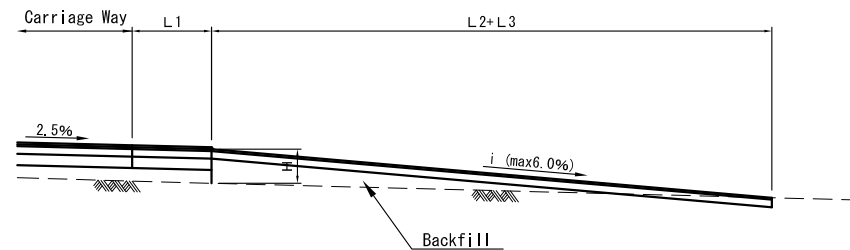
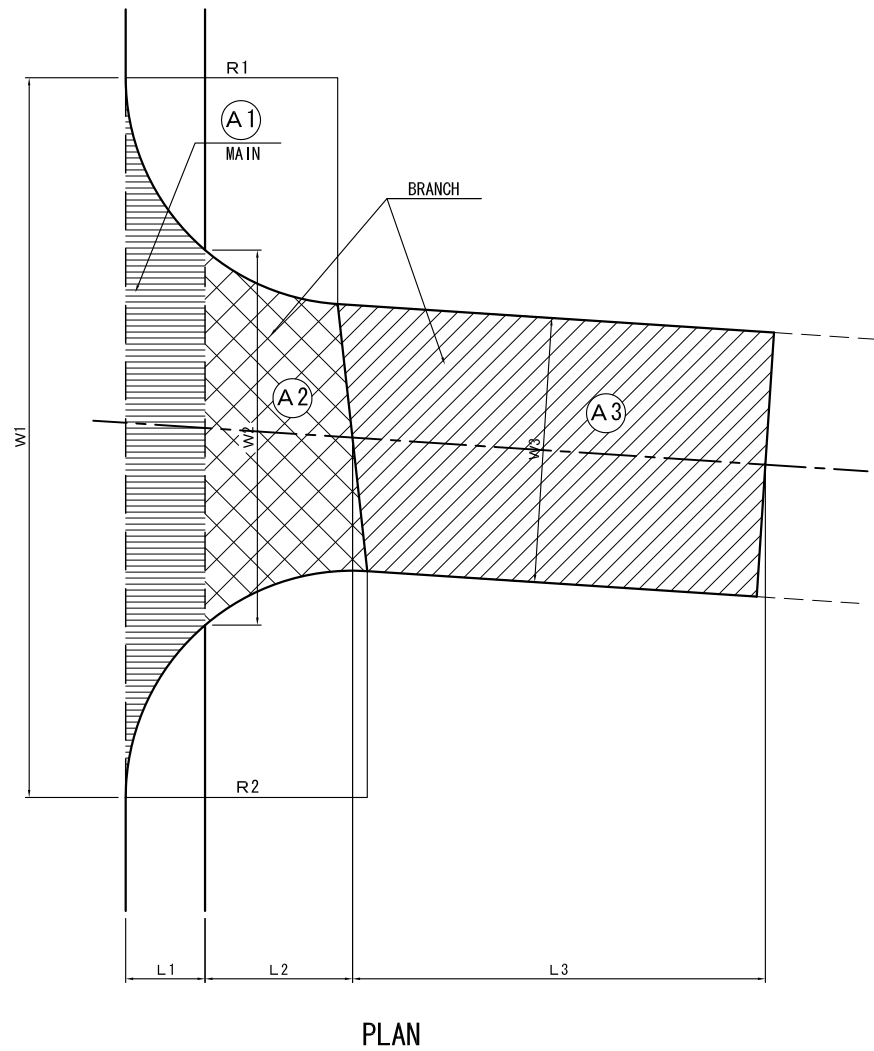
DETAILS OF SPEED REDUCTOR S=1:50

Scheduled List of Kilopost

No.	STATION	SIDE		Nos.	Remarks
1	102+000	LEFT	RIGHT	2	

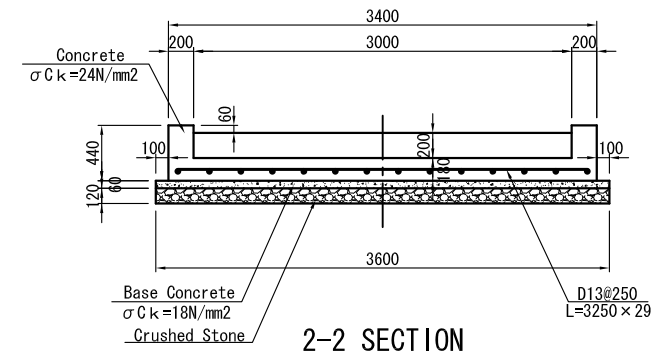
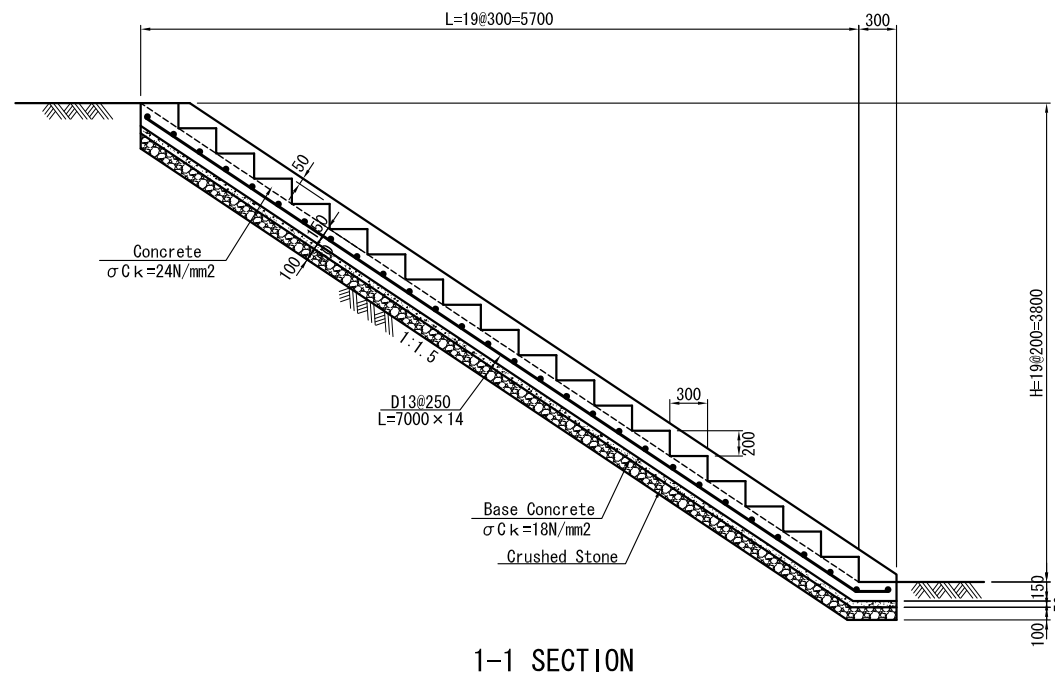
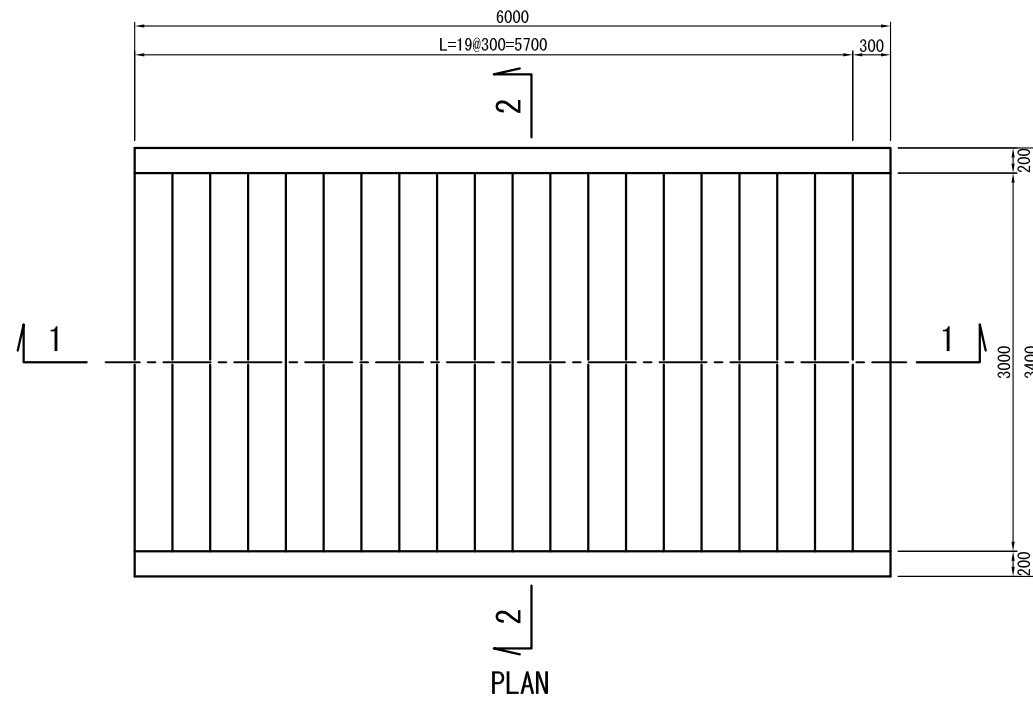
Scheduled List of Guidepost

No.	STATION	SIDE		Nos.	Remarks
1	101+600		RIGHT	1	
2	101+605		RIGHT	1	
3	101+610		RIGHT	1	



PAVEMENT S=1:20

ACCESS ROAD S=1:100



SCHOOL APPROACH S=1:30

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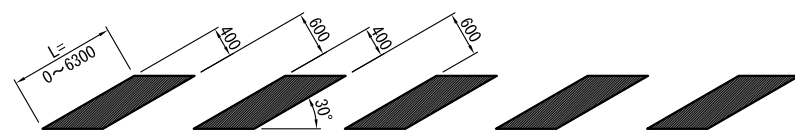
CENTER LINE (SOLID YELLOW) S=1:50



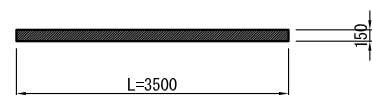
SIDE LINE ① (SOLID WHITE) S=1:50



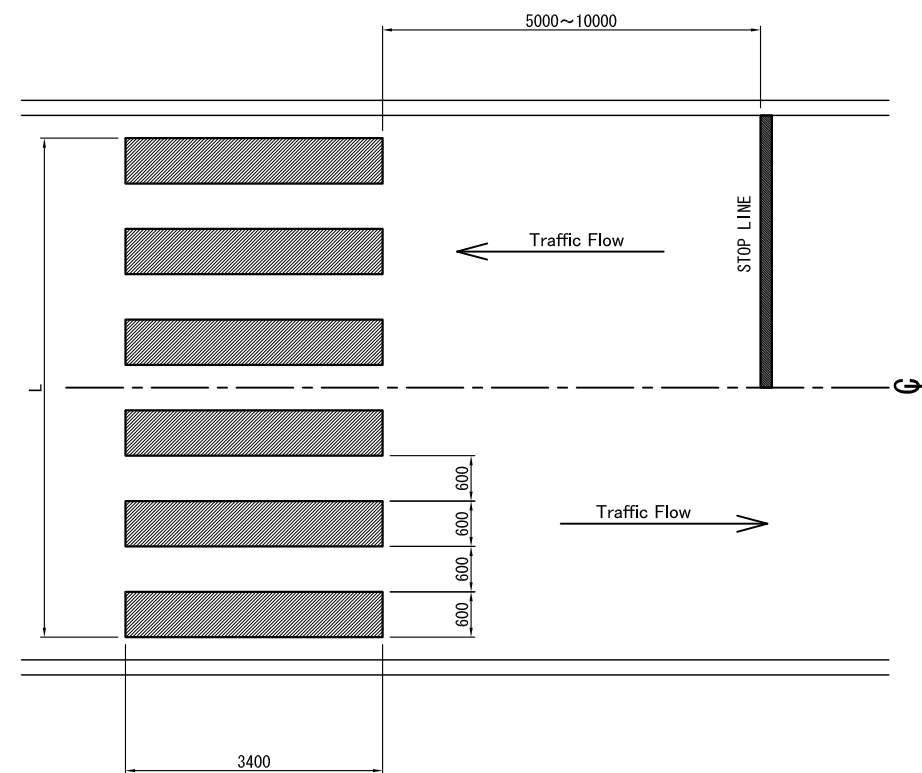
SIDE LINE ② (SHORT BROKEN WHITE) S=1:100



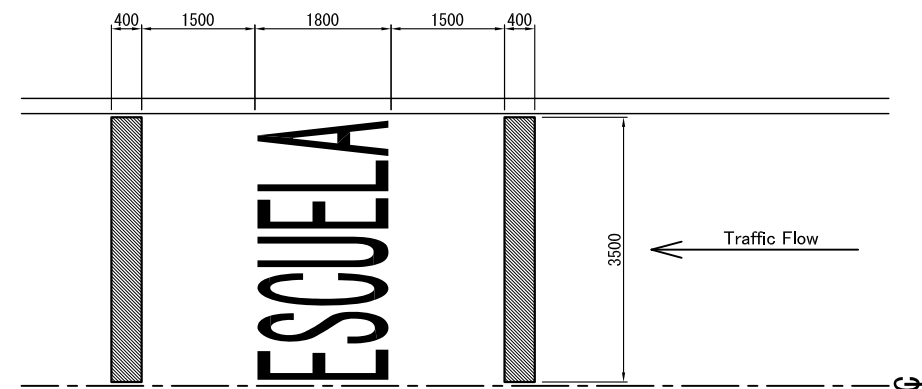
ZEBRA MARKING S=1:50



STOP LINE MARKING S=1:50



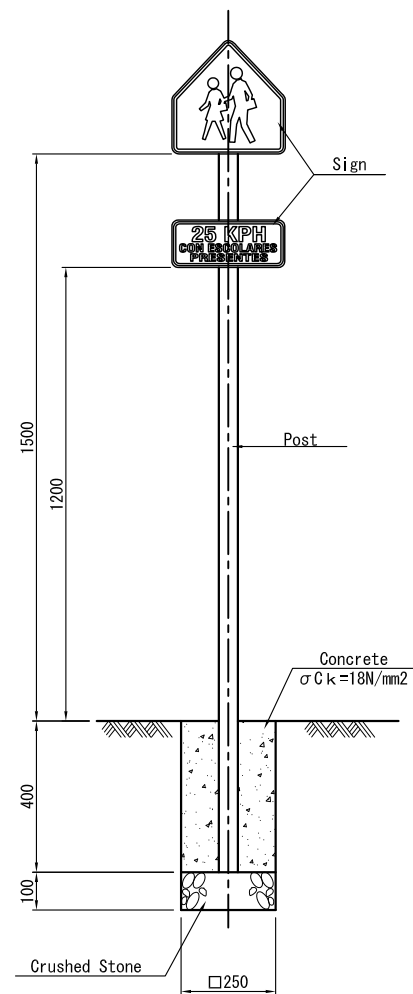
CROSS WALKS S=1:50



SCHOOL ZONE S=1:50

NOTE: THE MATERIALS, DIMENSION, SHAPES, COLOR, SIZE OF NUMERALS, LETTERS AND INSTALLATION LOCATION SHALL CONFORM WITH THE SPECIFICATION OF SIEGA.

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SIGN POST S=1:10



P-4-5



P-4-6



P-9-12



E-1-1



E-1-3



E-1-4



E-1-1, E-1-2



E-1-1, E-3-3



R-2-1



R-2-4



R-2-11



E-3-1, R-2-1



E-3-1, R-2-1, E-3-2

NOTE: THE MATERIALS, DIMENSION, SHAPES, COLOR, SIZE OF NUMERALS, LETTERS AND INSTALLATION LOCATION SHALL CONFORM WITH THE SPECIFICATION OF SIECA.