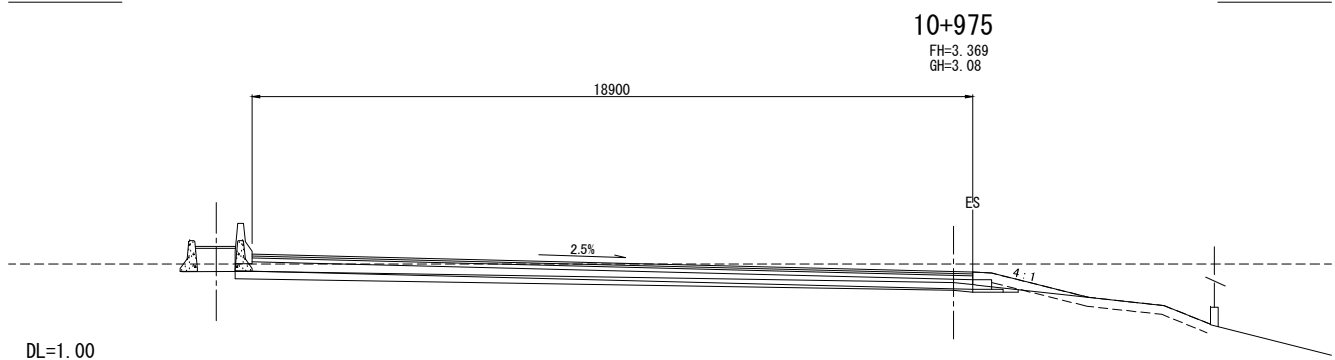
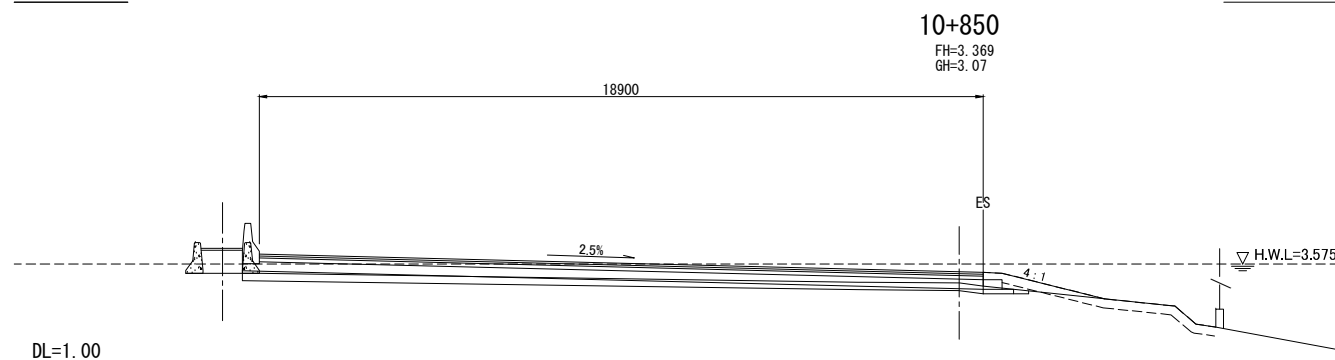
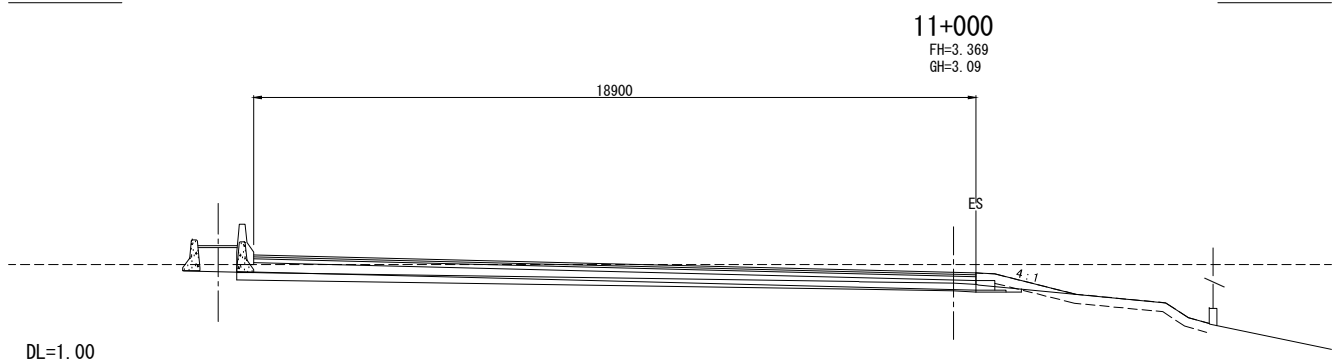
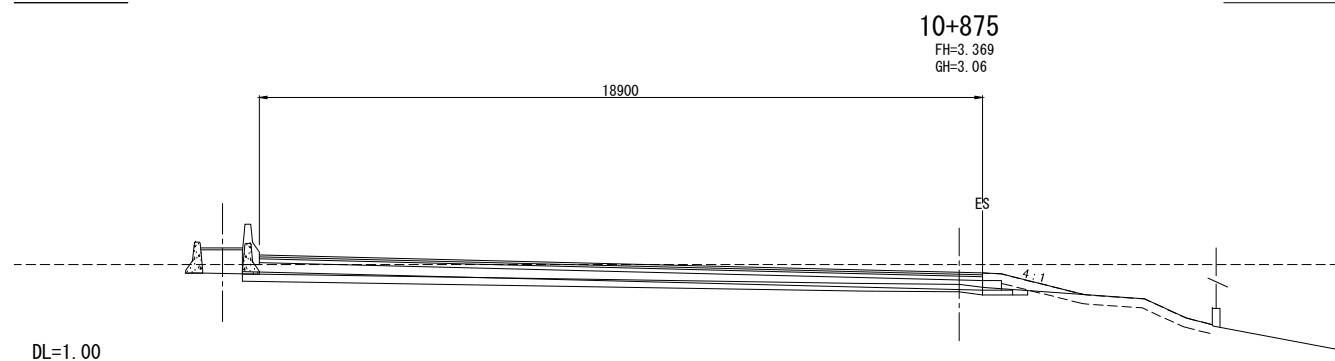
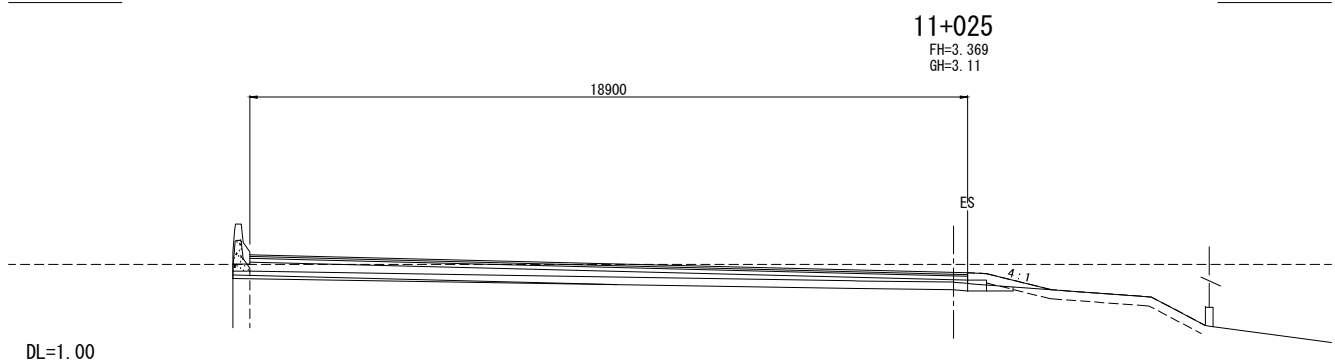
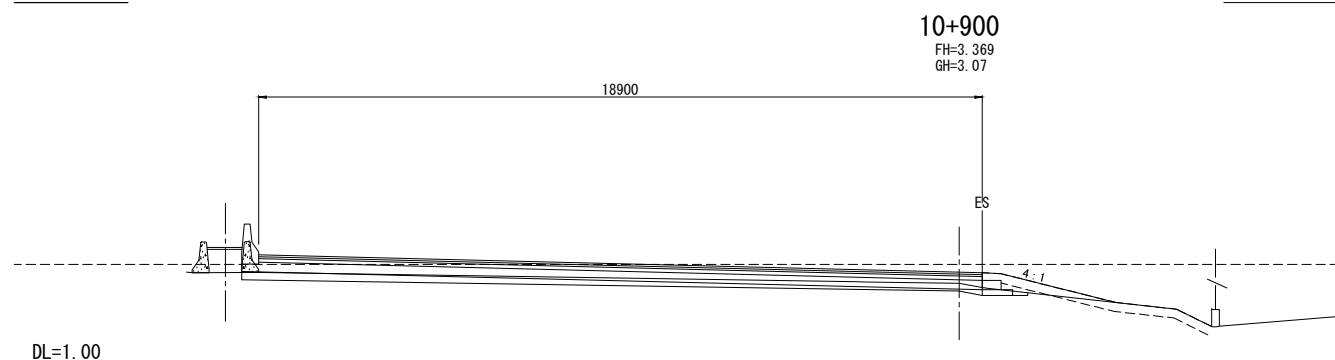
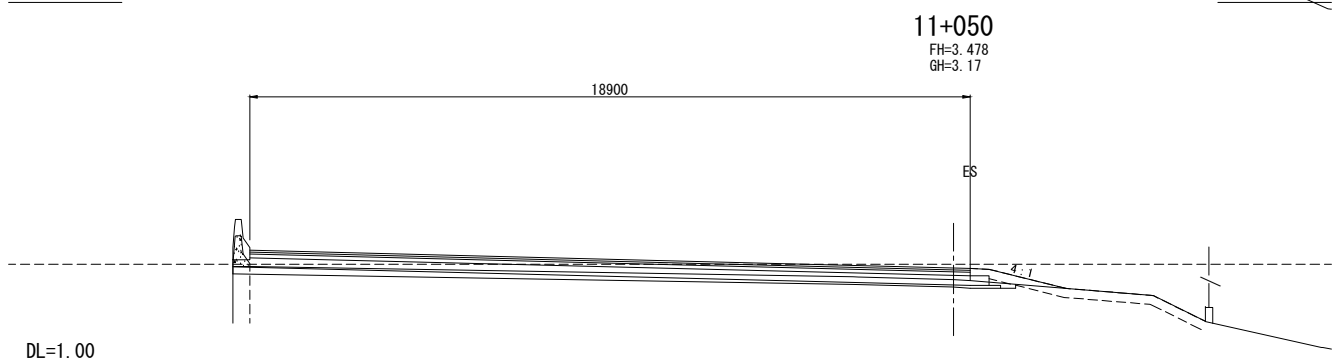
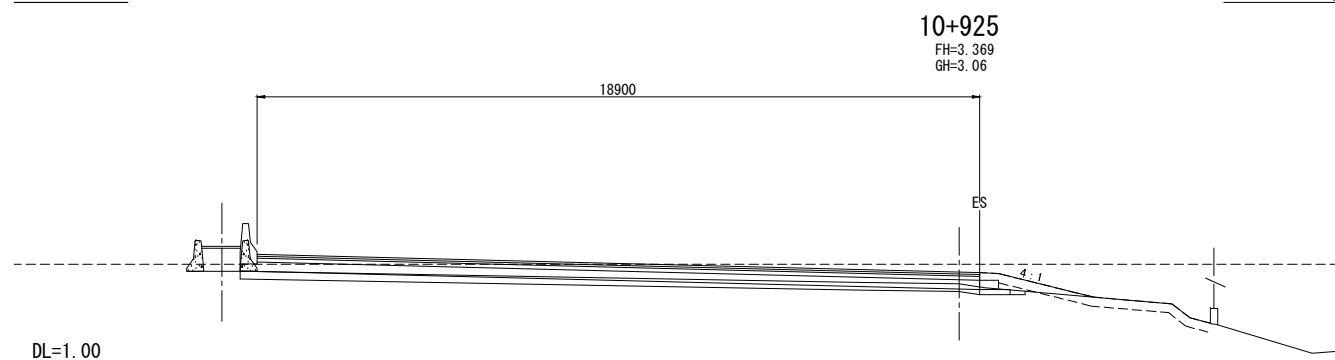
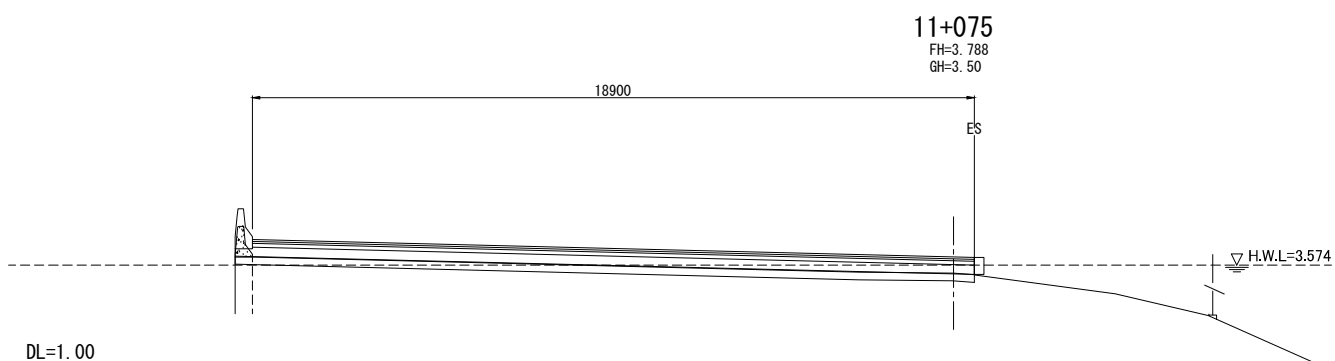
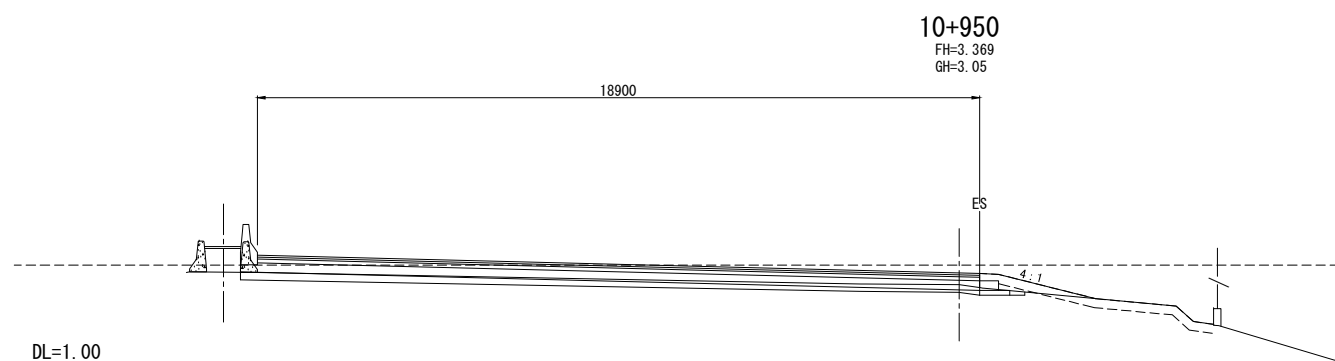


2-4 CROSS SECTIONS



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-53 | SHEET NO. 58 |

11+185
FH=
GH=7.05

BRIDGE

DL=4.00

11+175
FH=
GH=6.73

BRIDGE

DL=4.00

11+150
FH=
GH=5.90

BRIDGE

DL=3.00

11+124
FH=4.979
GH=4.98

BRIDGE

19432

DL=2.00






11+100
FH=4.299
GH=4.17

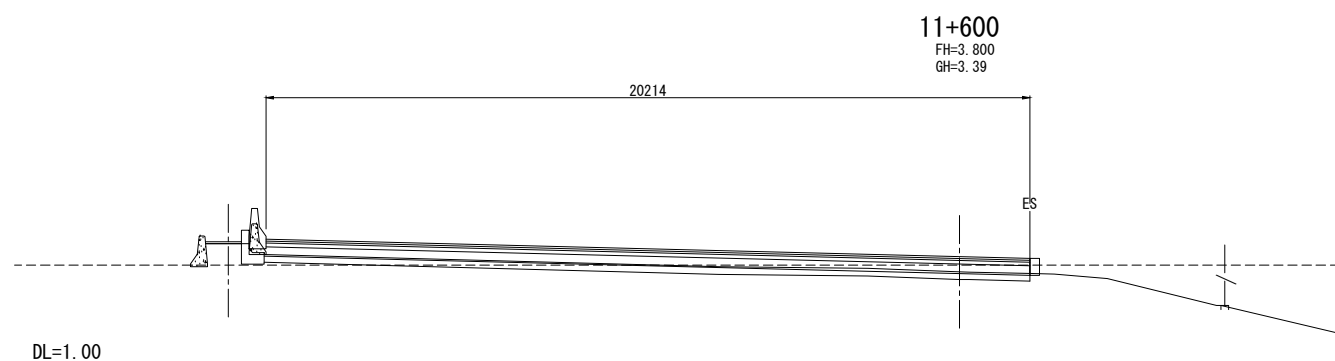
19840

2.5%

H.W.L=3.574

DL=1.00

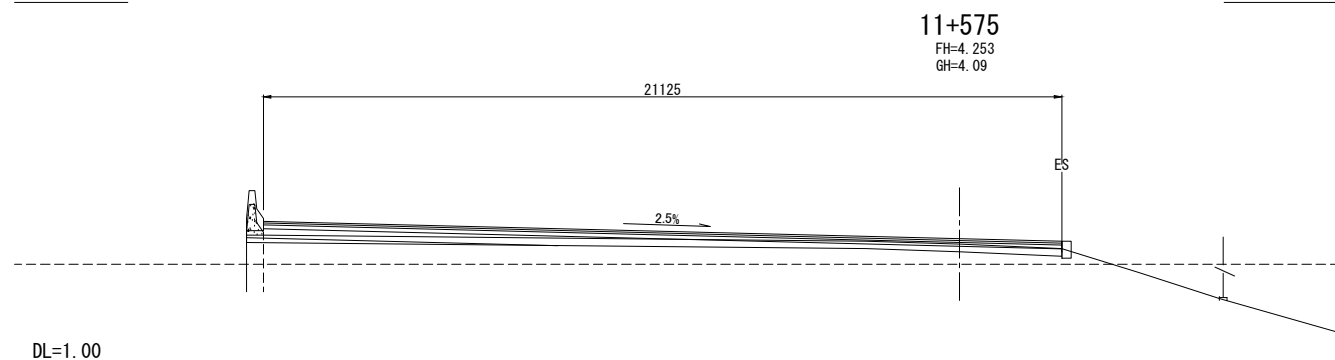
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY |  KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER | PROJECT TITLE |  CTI ENGINEERING INTERNATIONAL CO., LTD.  ORIENTAL CONSULTANTS CO., LTD.  NIPPON KOEI CO., LTD.  CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|---|----------------------------|--|---|---|----------------------------------|-----------------------------------|------------------------|-------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (3 / 70) | The Inter-City Motorways Division Department of Highways Ministry of Transport | The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | | | DWG. NO. MW-54 | SHEET NO. 59 | |



11+600
FH=3.800
GH=3.39

20214

DL=1.00

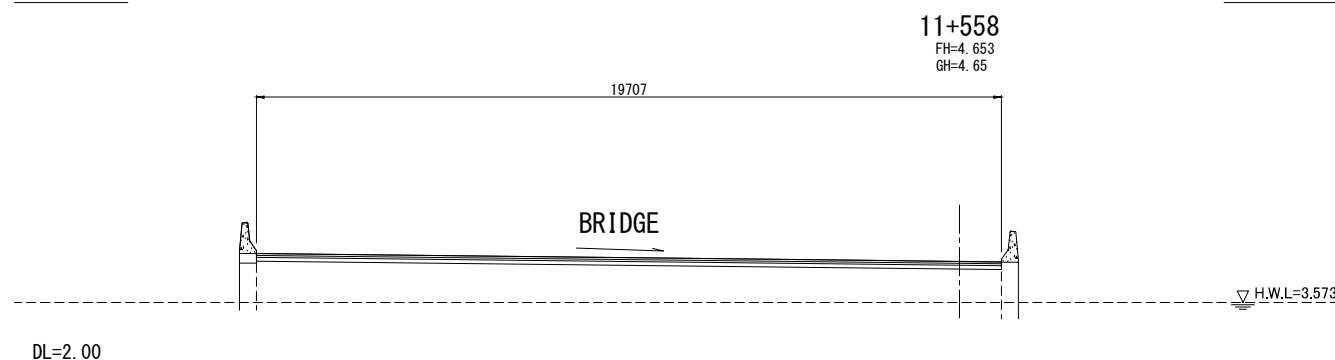


11+575
FH=4.253
GH=4.09

21125

2.5%

DL=1.00

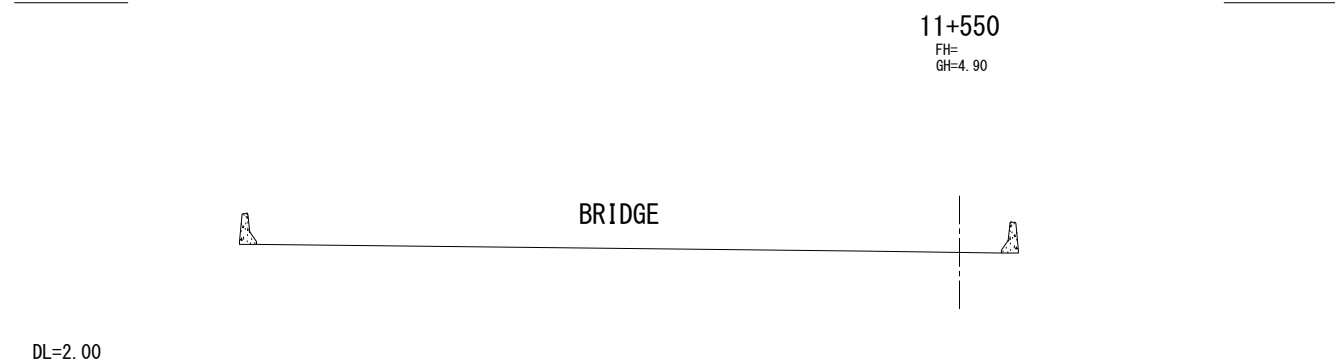


11+558
FH=4.653
GH=4.65

BRIDGE

H.W.L.=3.573

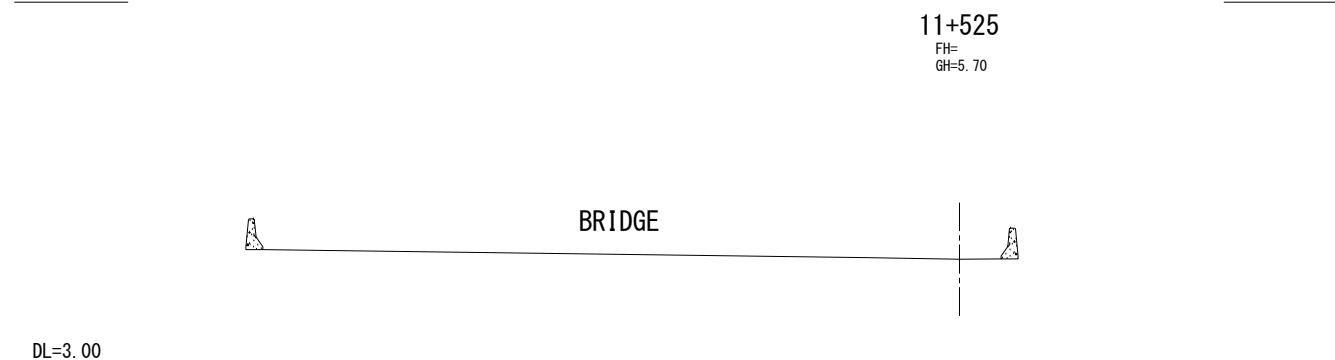
DL=2.00



11+550
FH=4.90
GH=4.90

BRIDGE

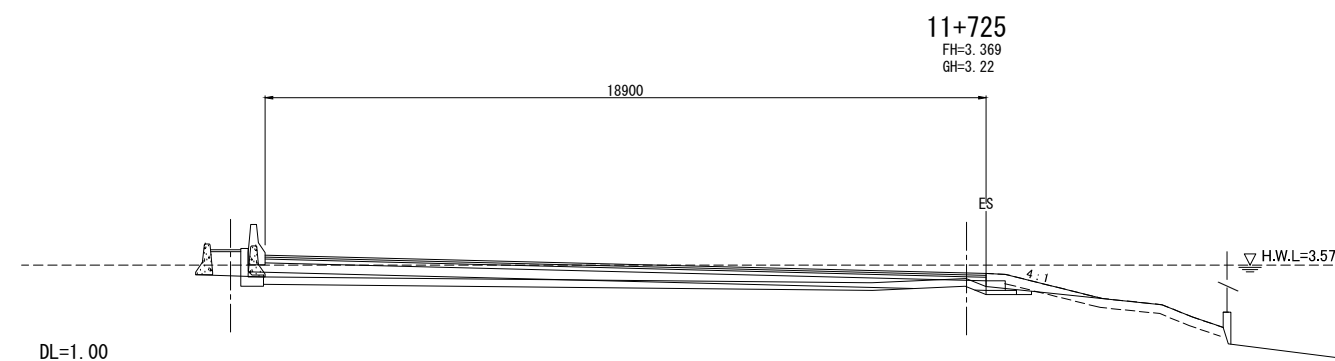
DL=2.00



11+525
FH=5.70
GH=5.70

BRIDGE

DL=3.00

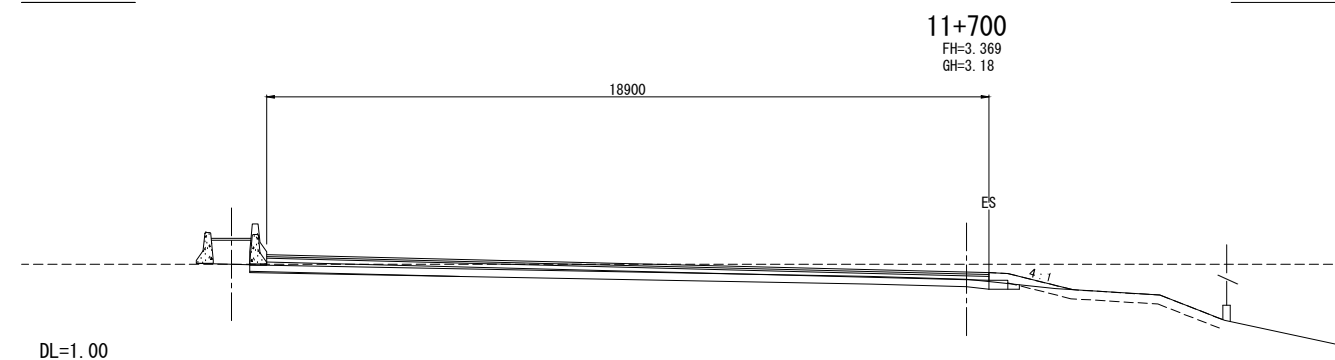


11+725
FH=3.369
GH=3.22

18900

H.W.L.=3.572

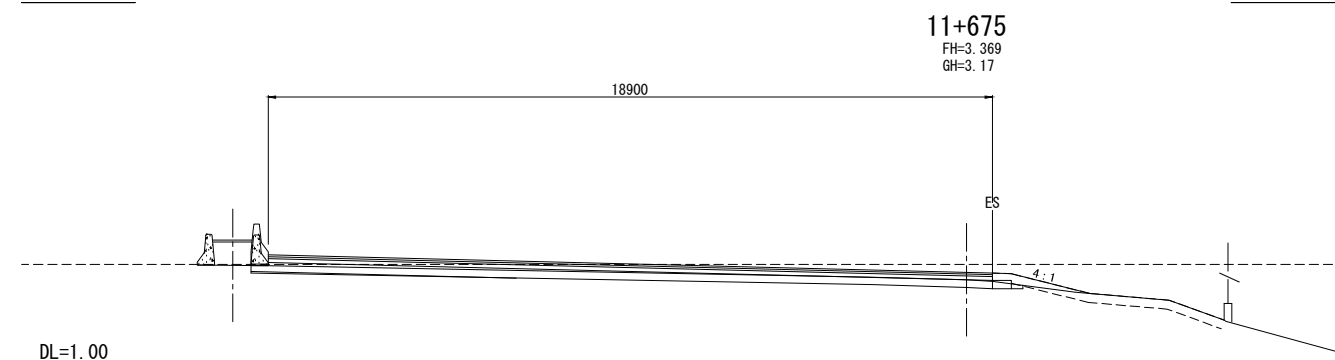
DL=1.00



11+700
FH=3.369
GH=3.18

18900

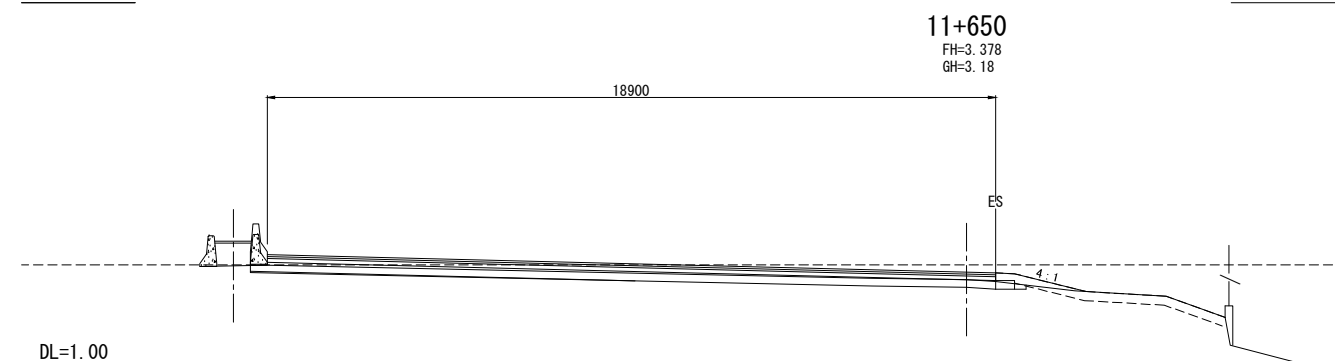
DL=1.00



11+675
FH=3.369
GH=3.17

18900

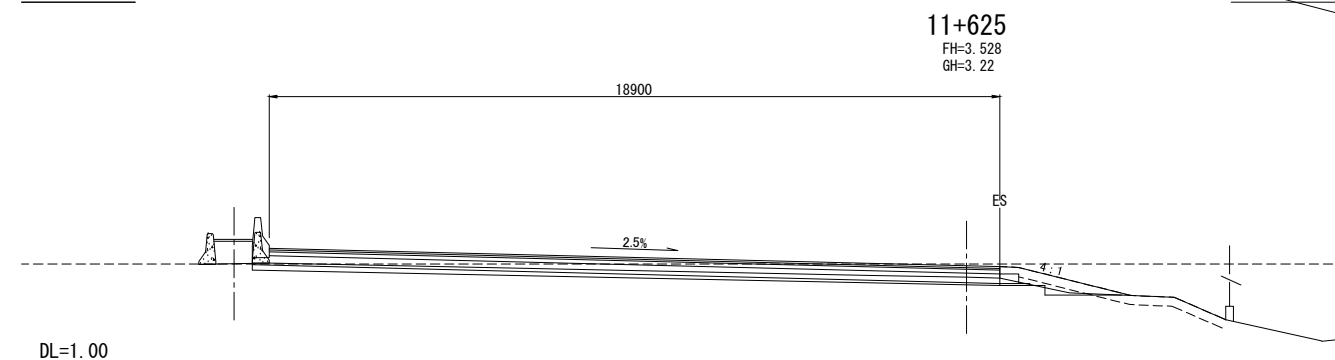
DL=1.00



11+650
FH=3.378
GH=3.18

18900

DL=1.00

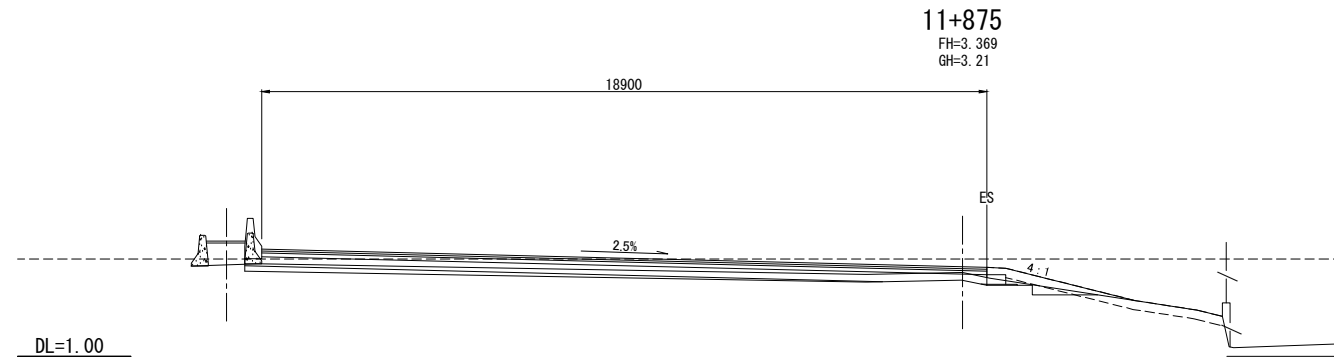
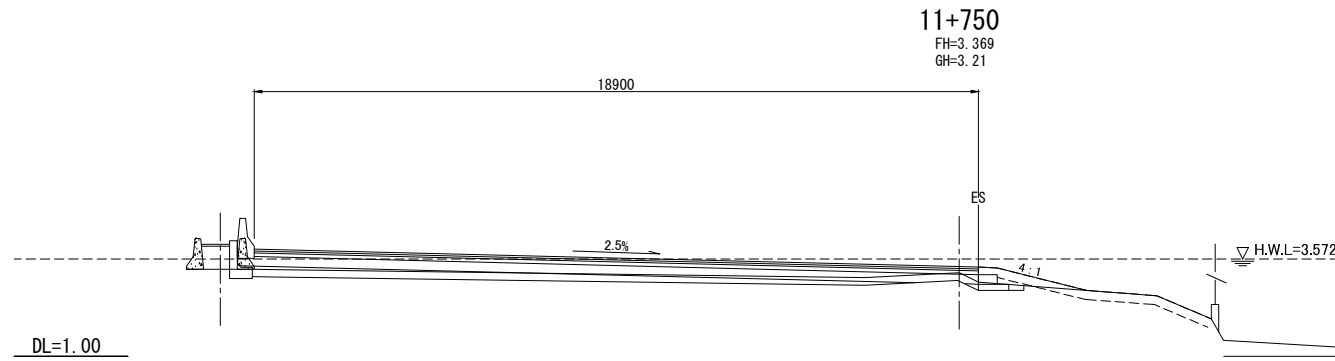
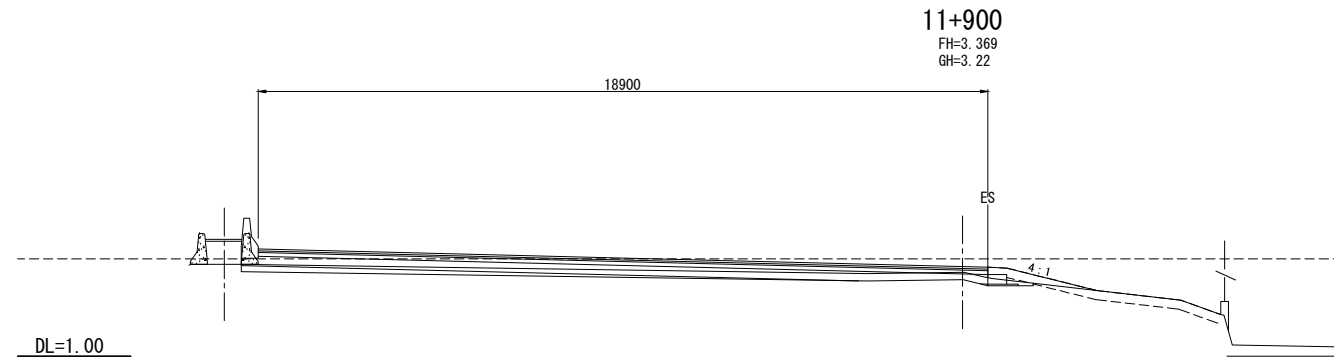
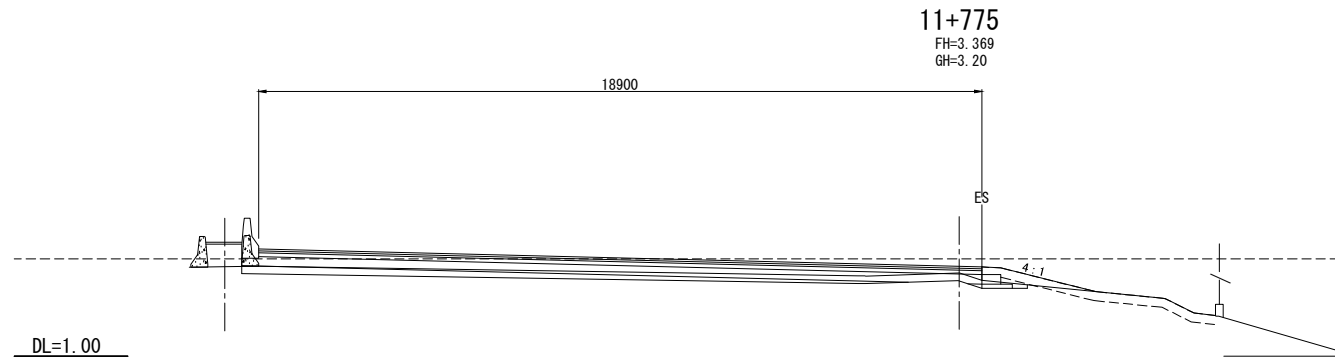
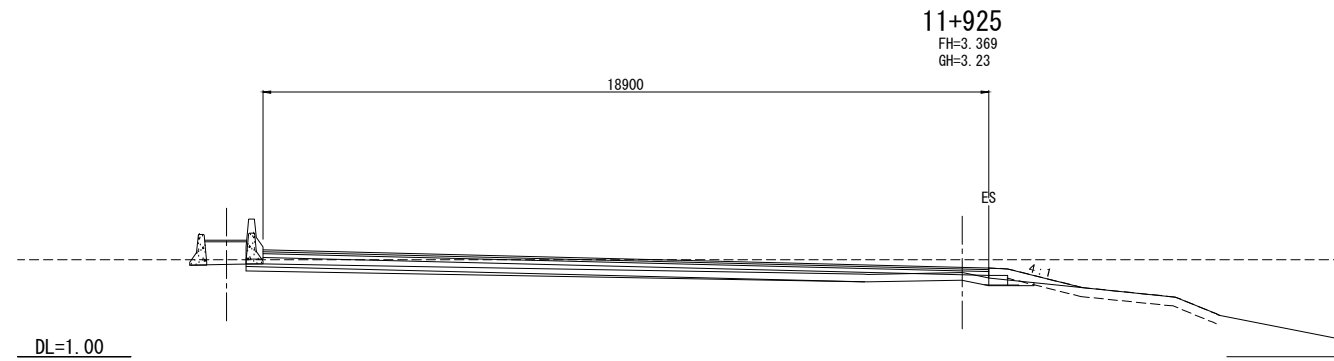
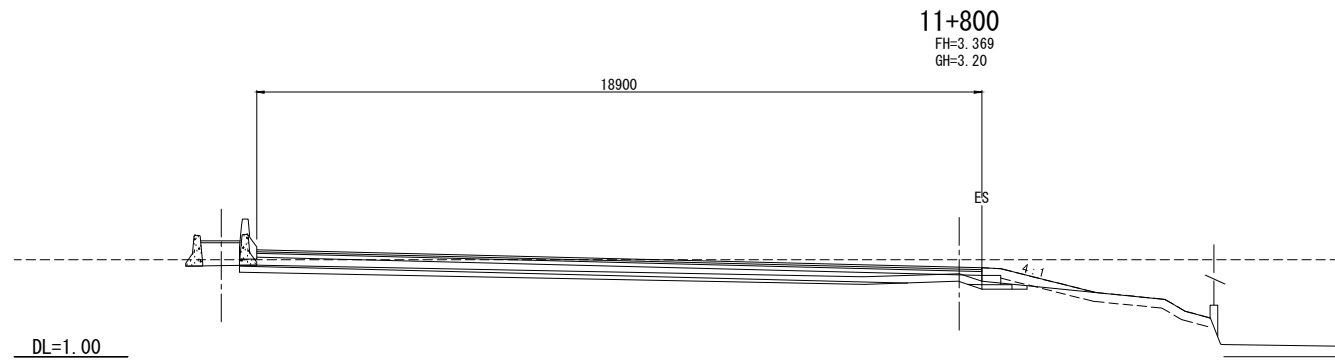
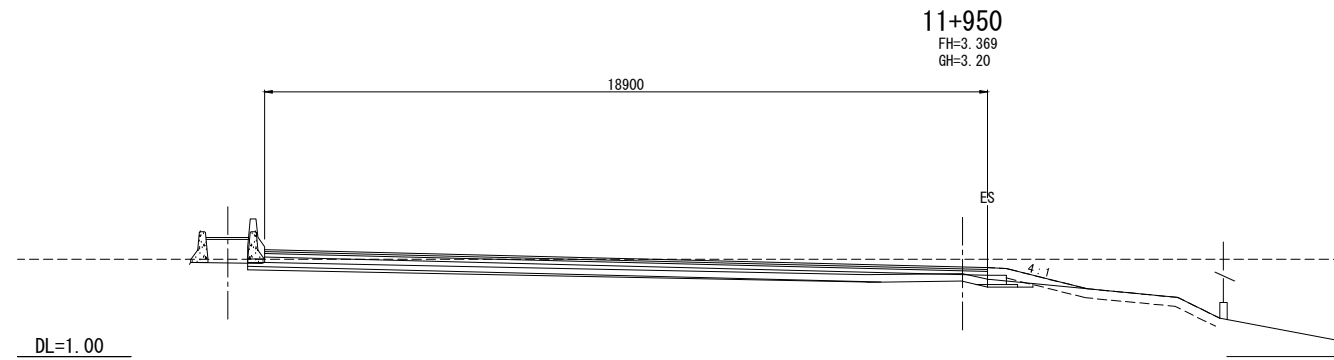
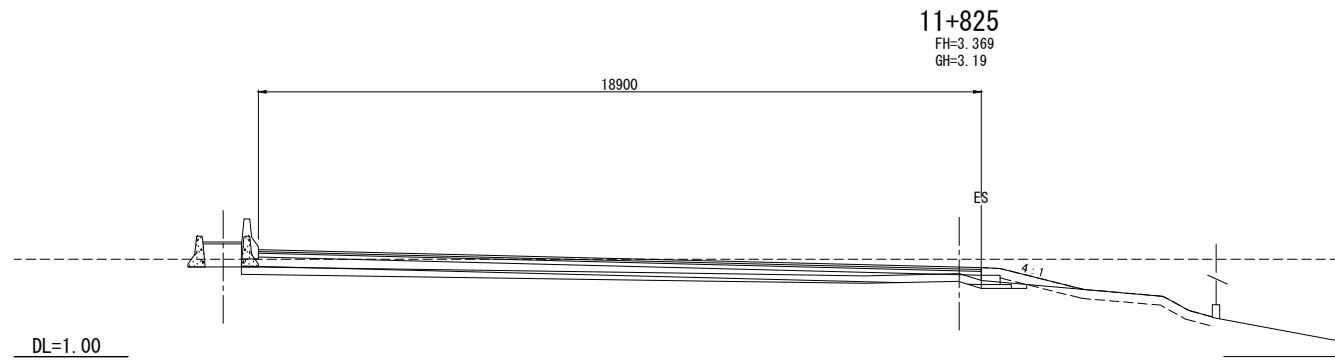
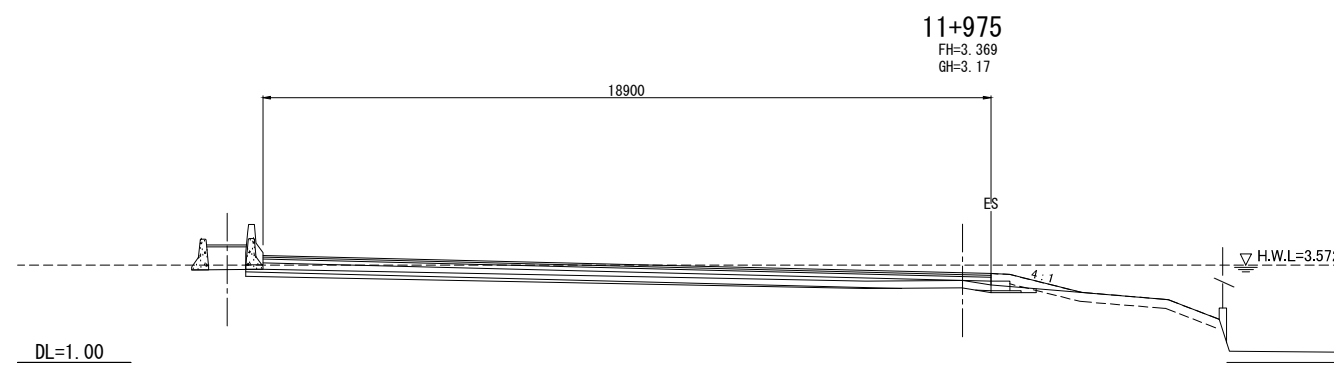
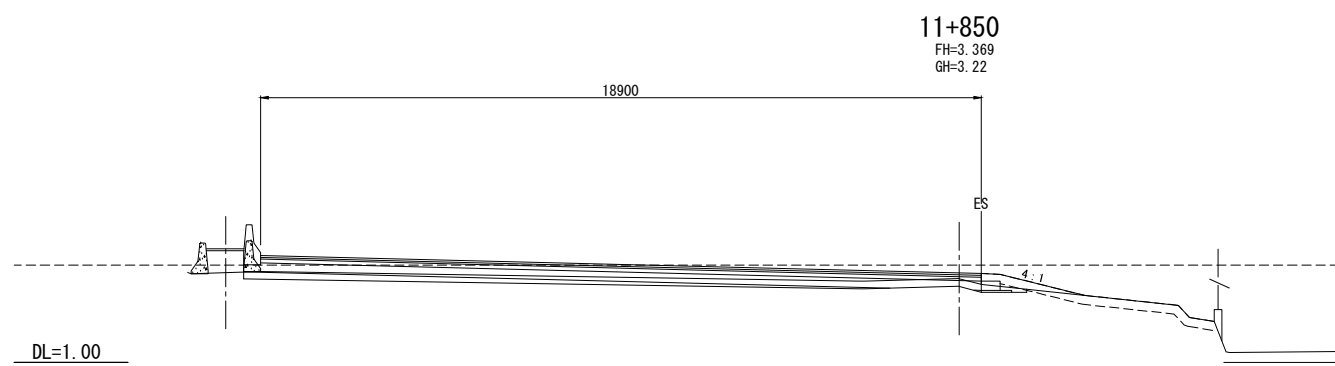


11+625
FH=3.528
GH=3.22

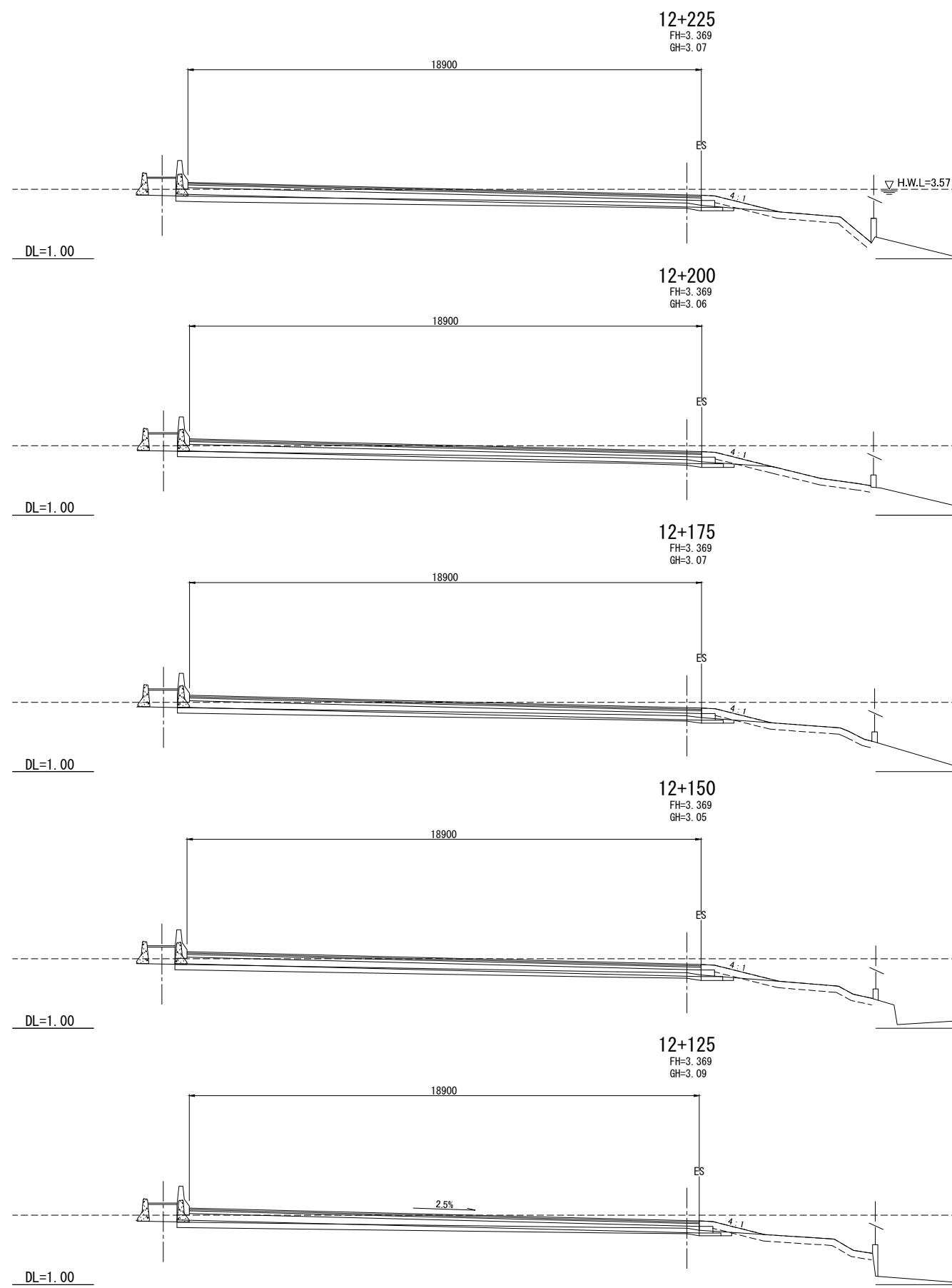
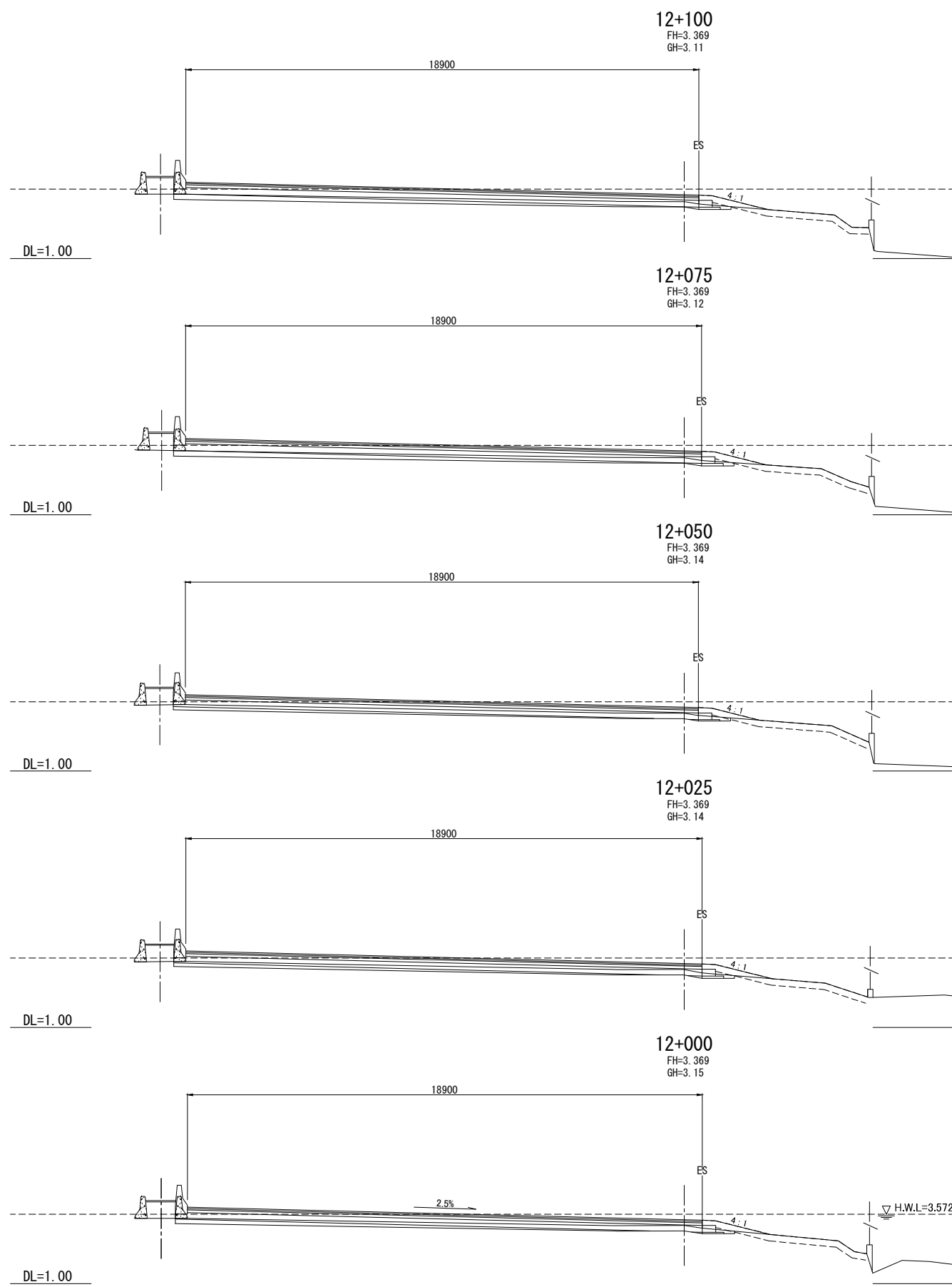
18900

DL=1.00

| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-55 | SHEET NO. 60 |

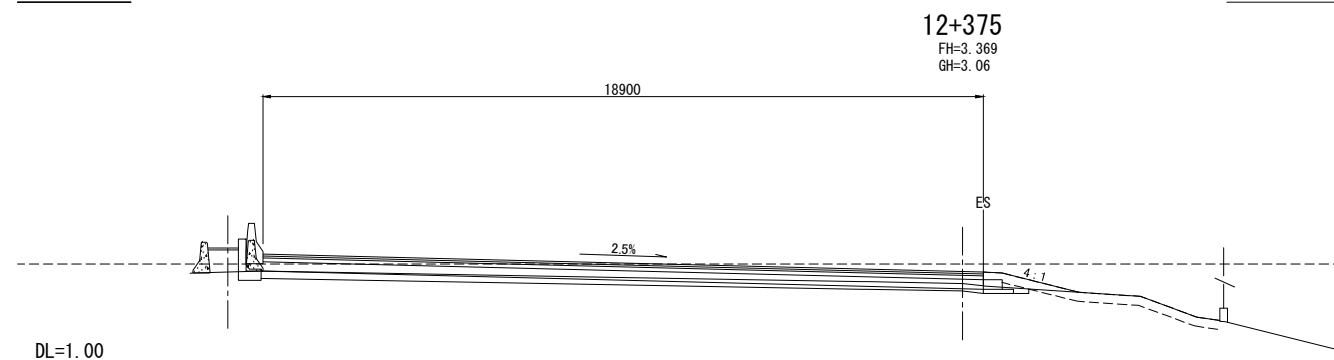
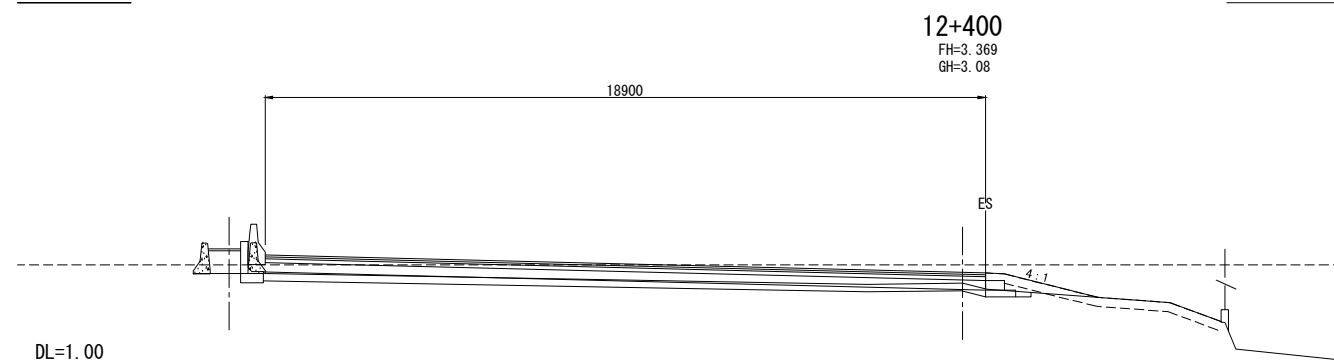
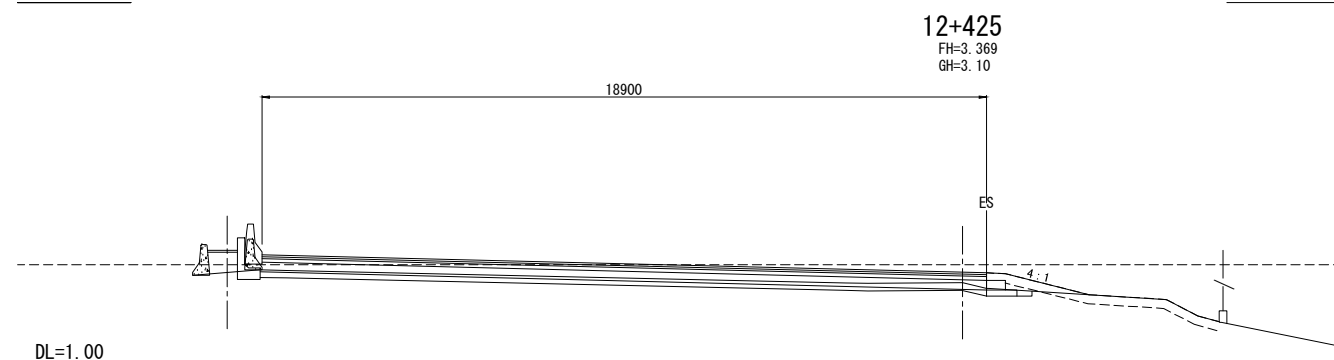
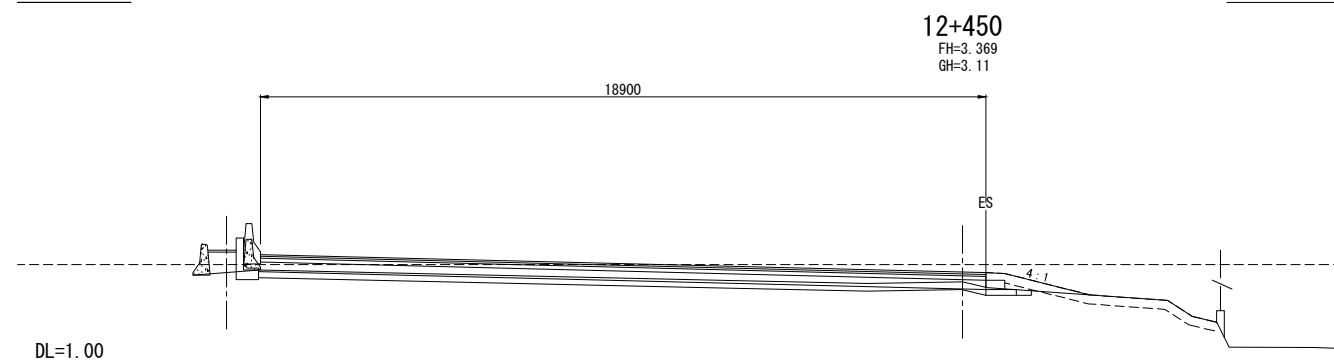
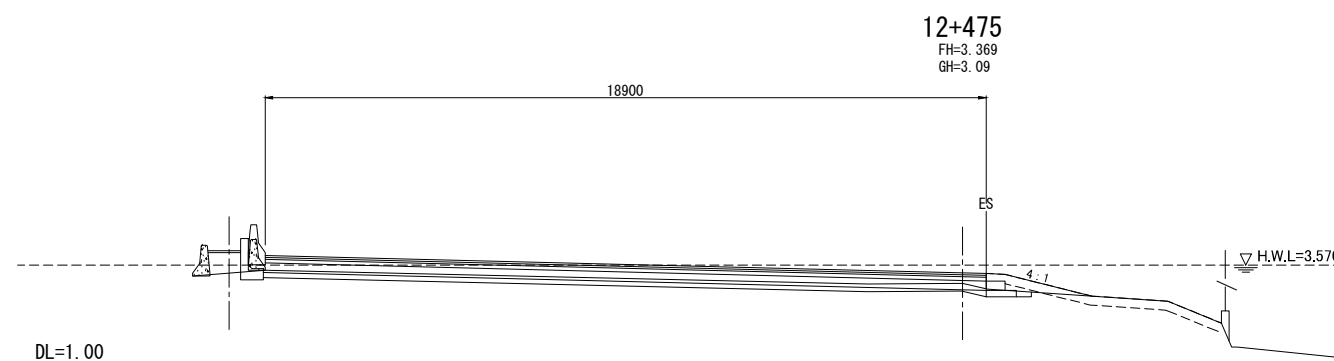
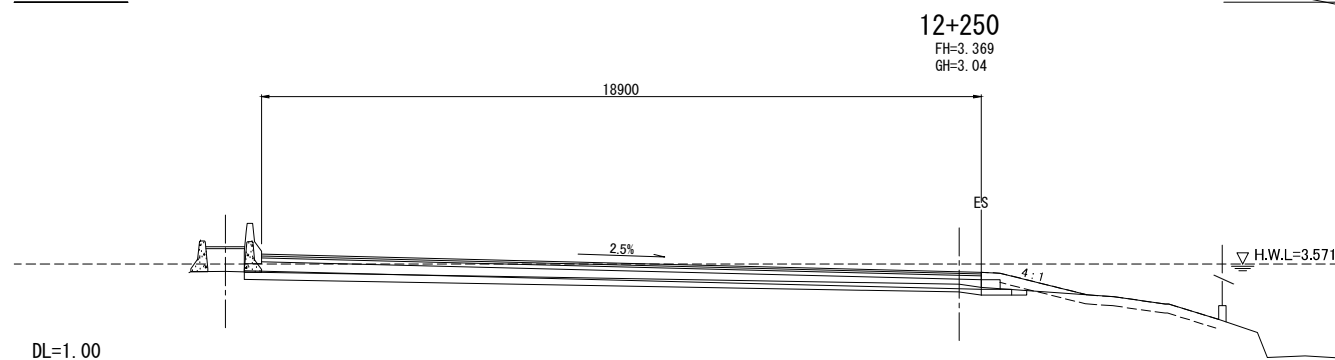
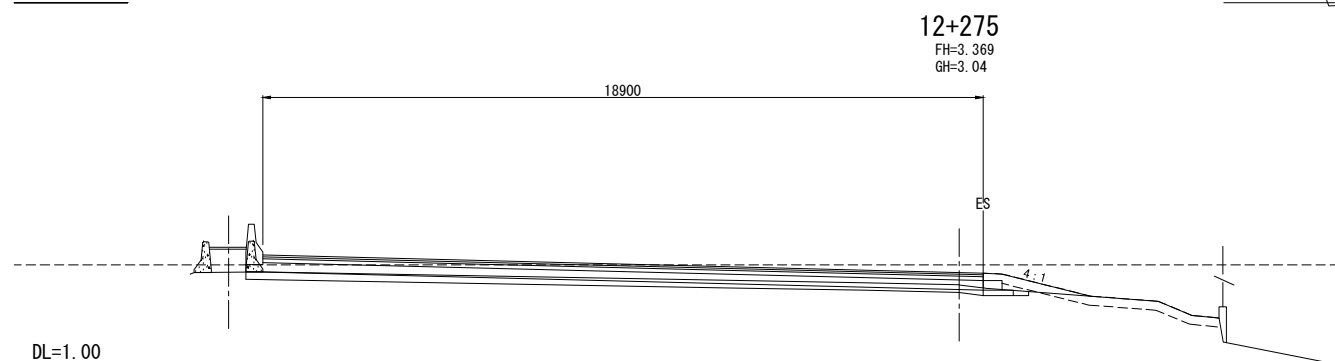
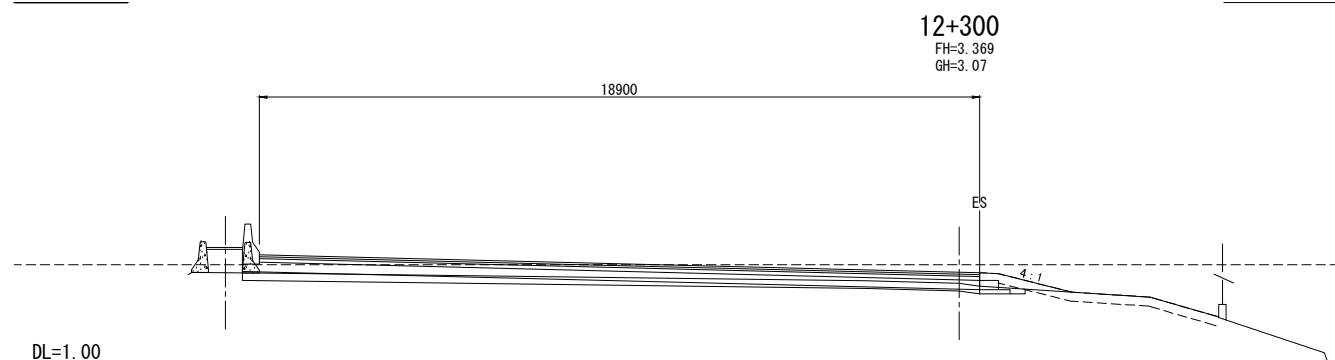
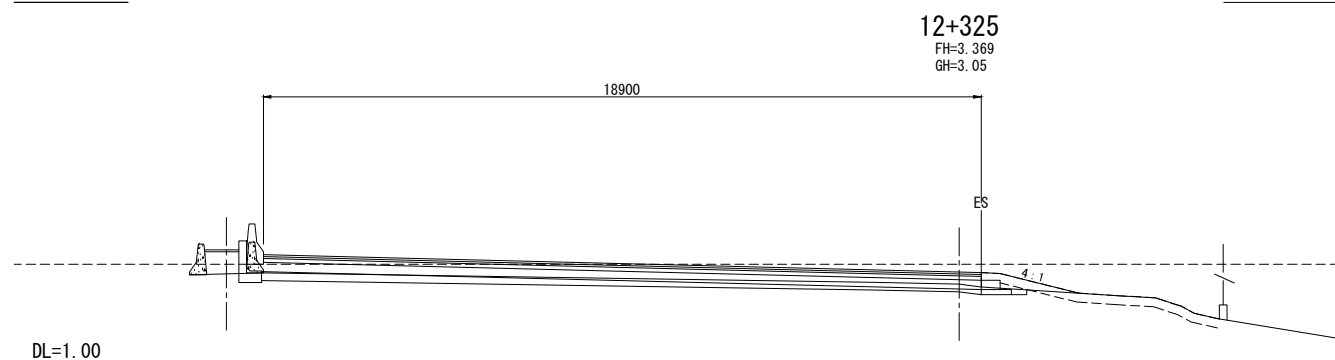
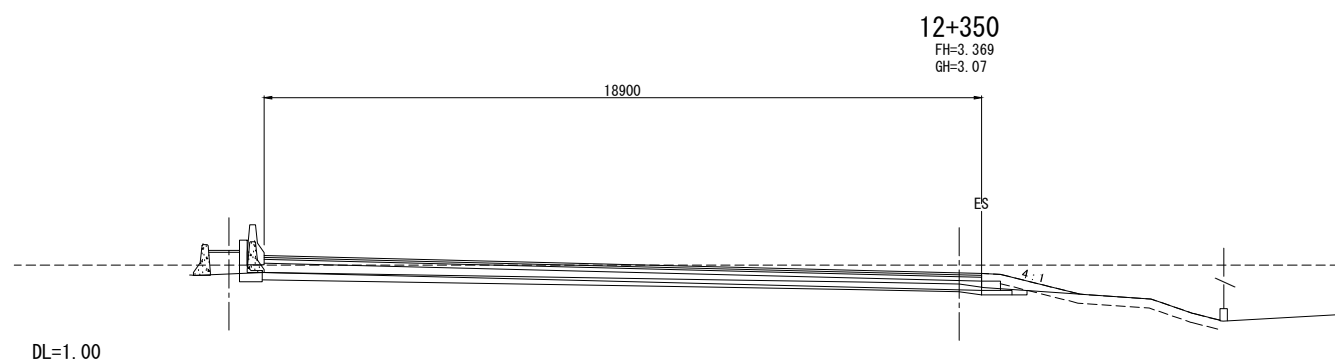


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|------------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (5 / 70) | | | | | DWG. NO. MW-56 | SHEET NO. 61 |

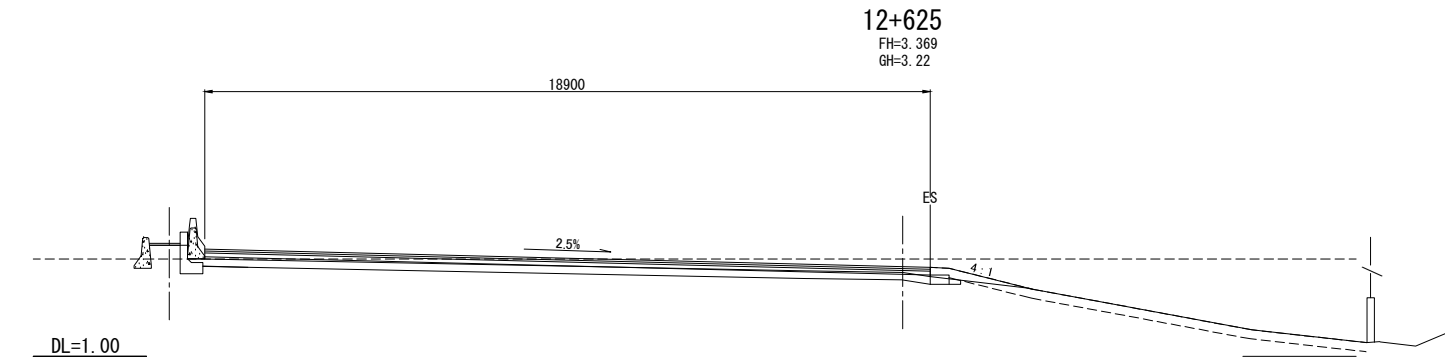
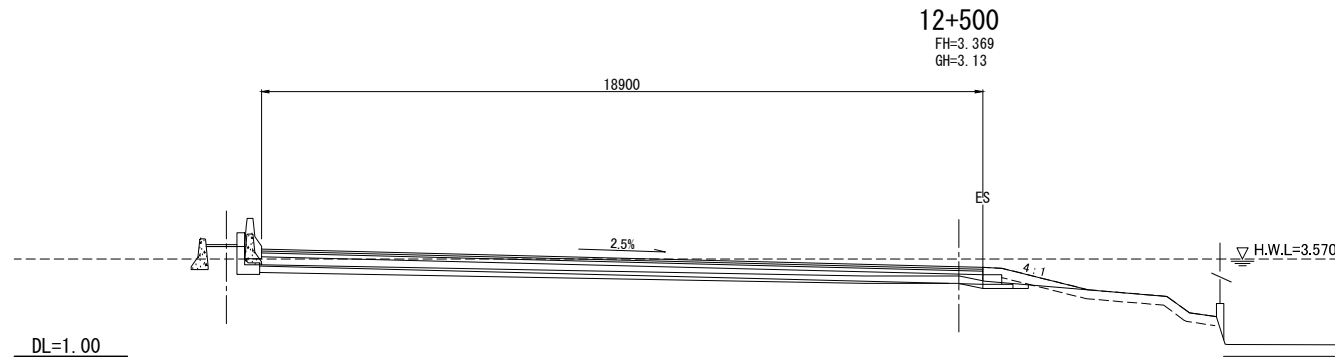
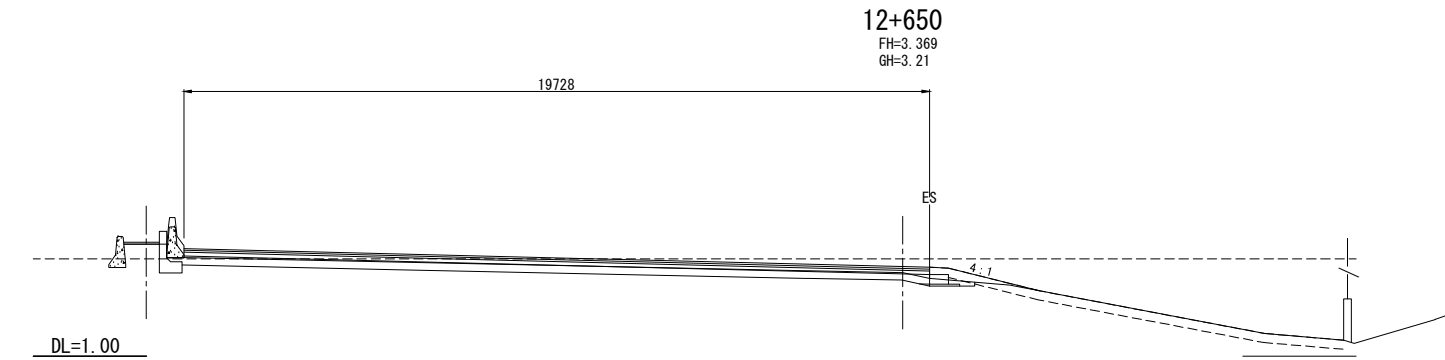
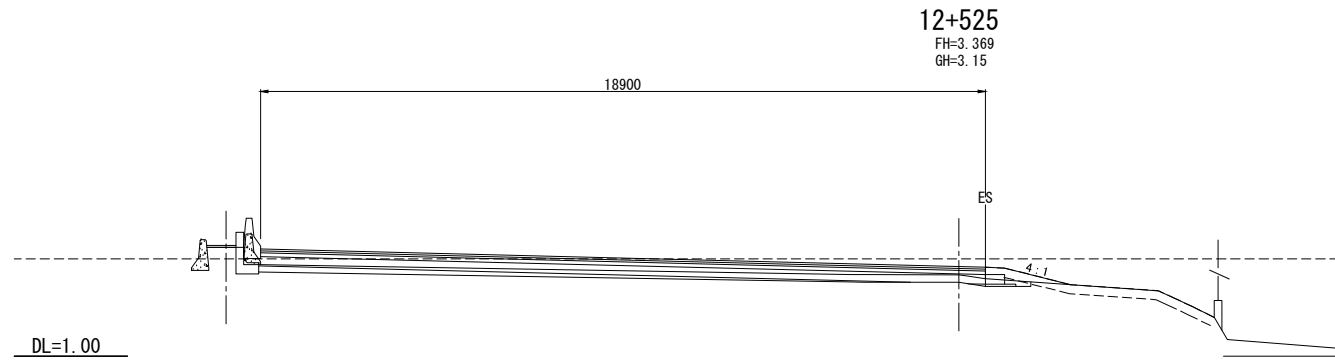
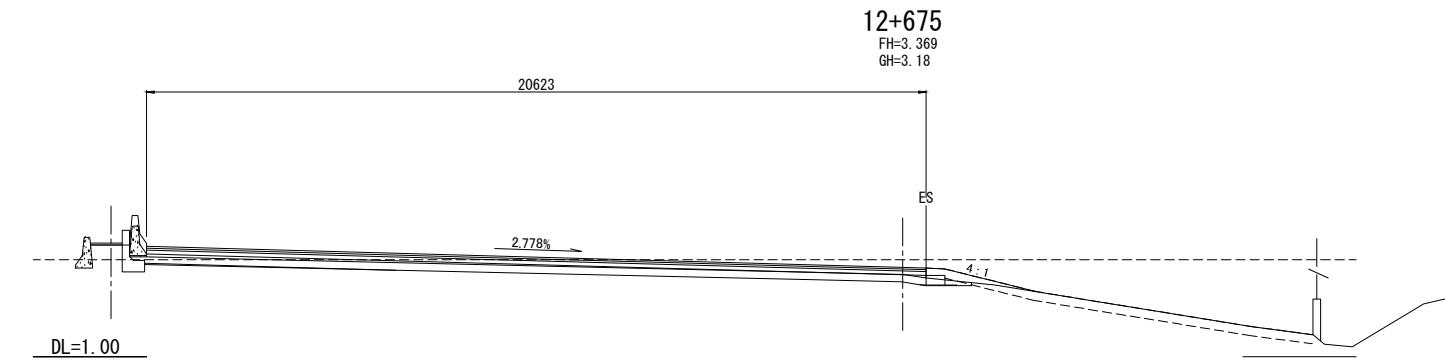
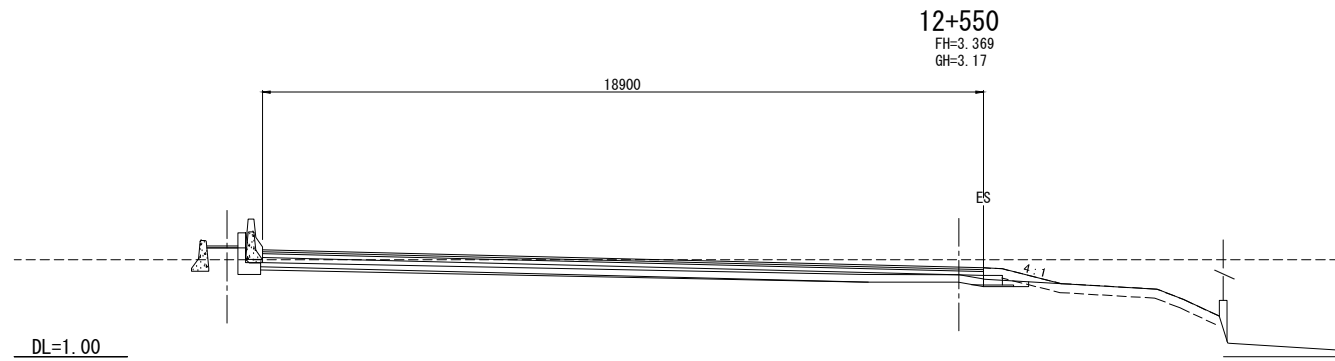
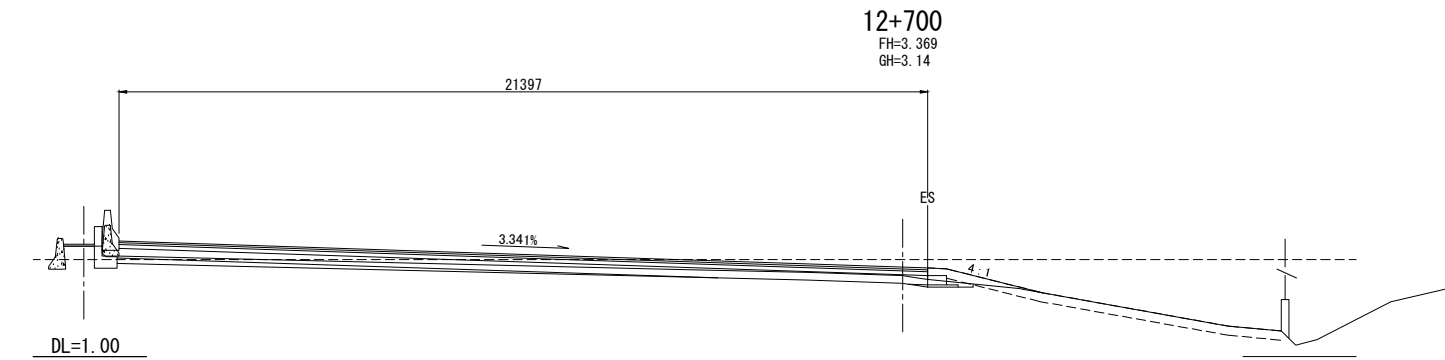
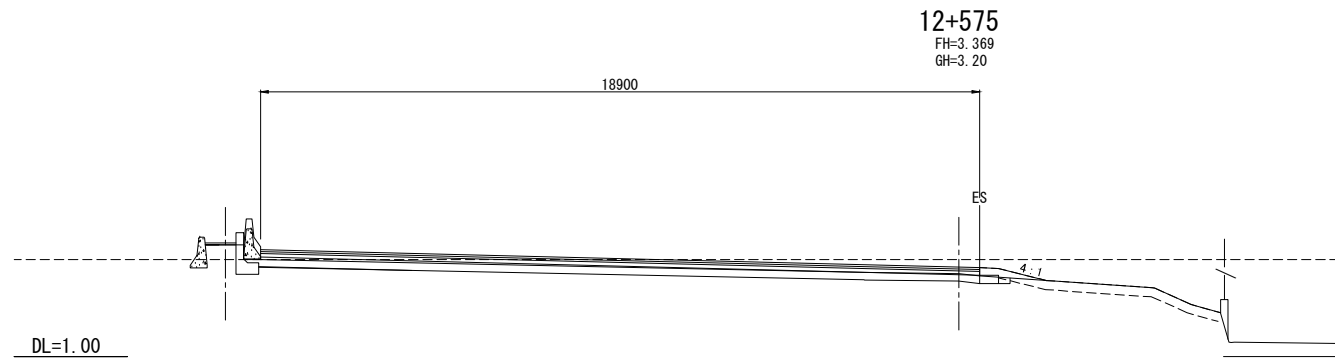
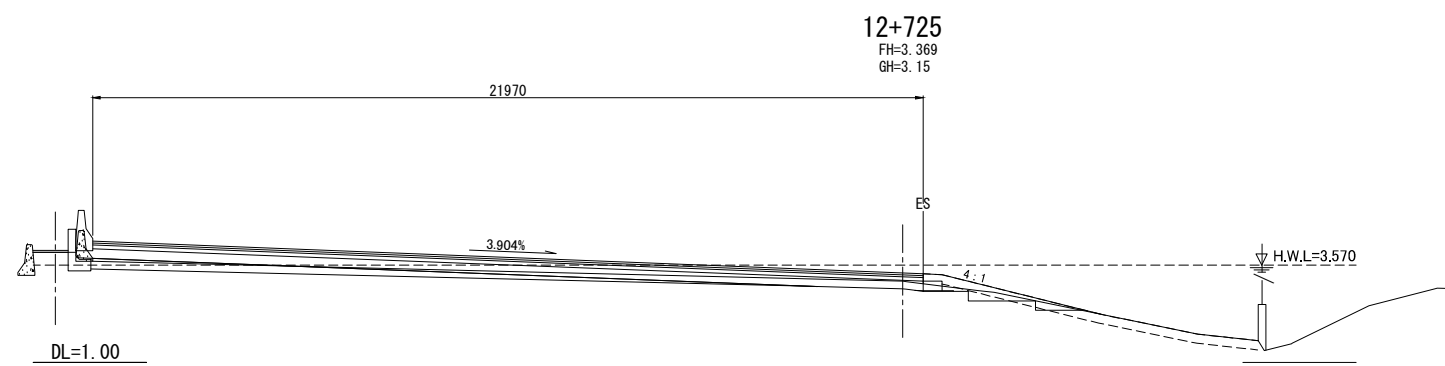
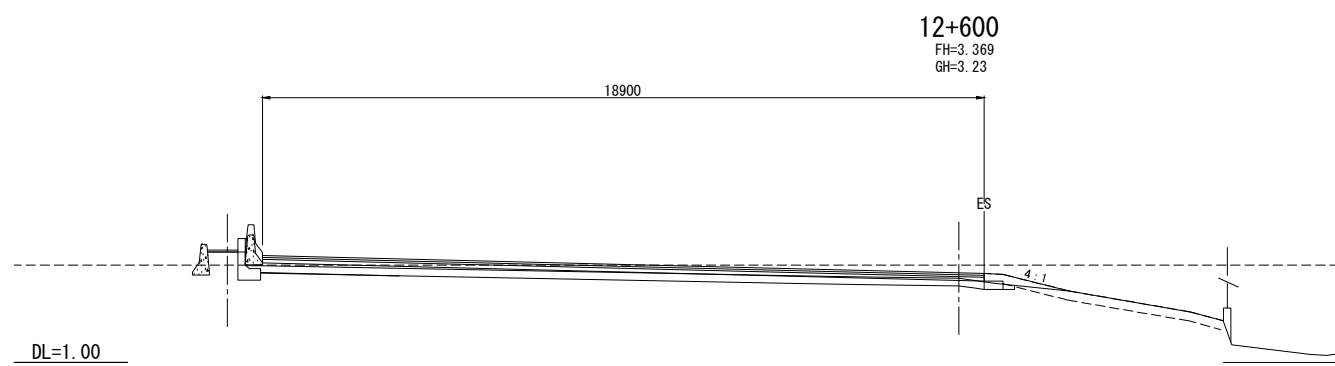


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (6 / 70) | | | | | DWG. NO. MW-57 | SHEET NO. 62 |

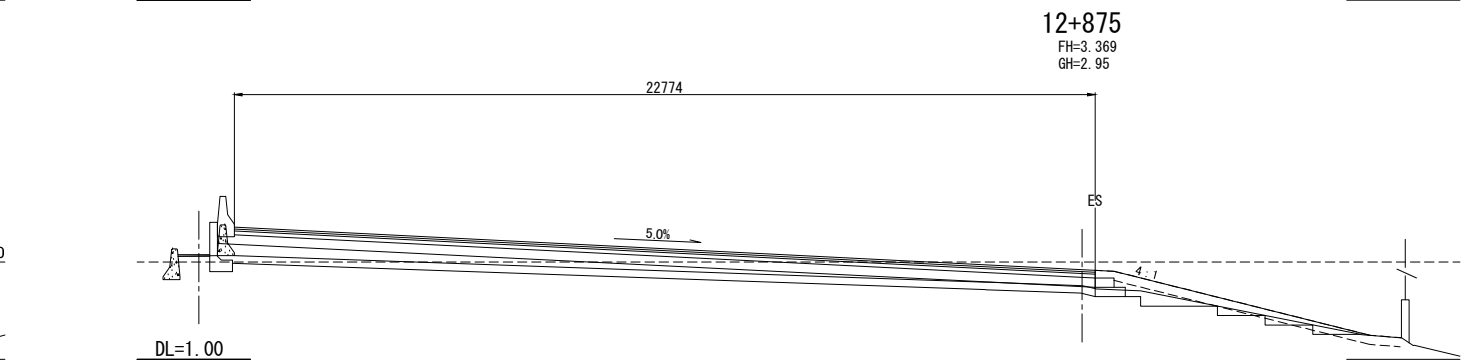
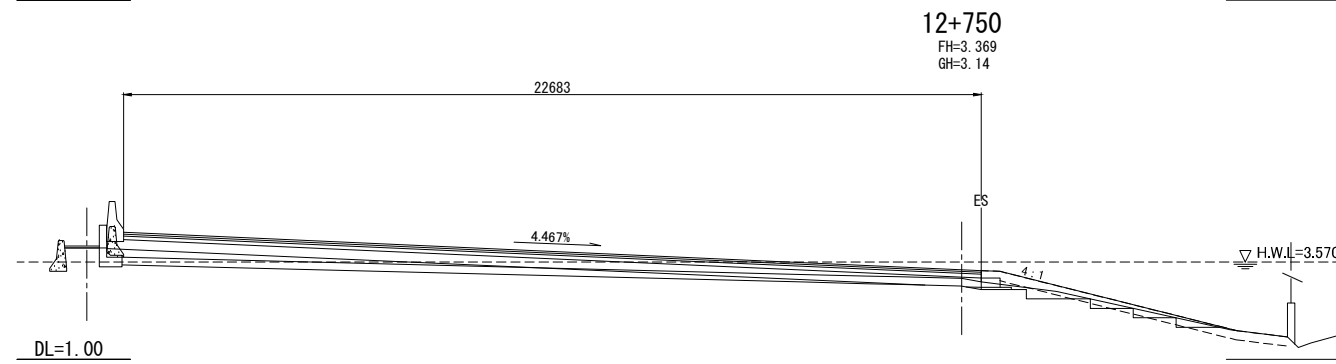
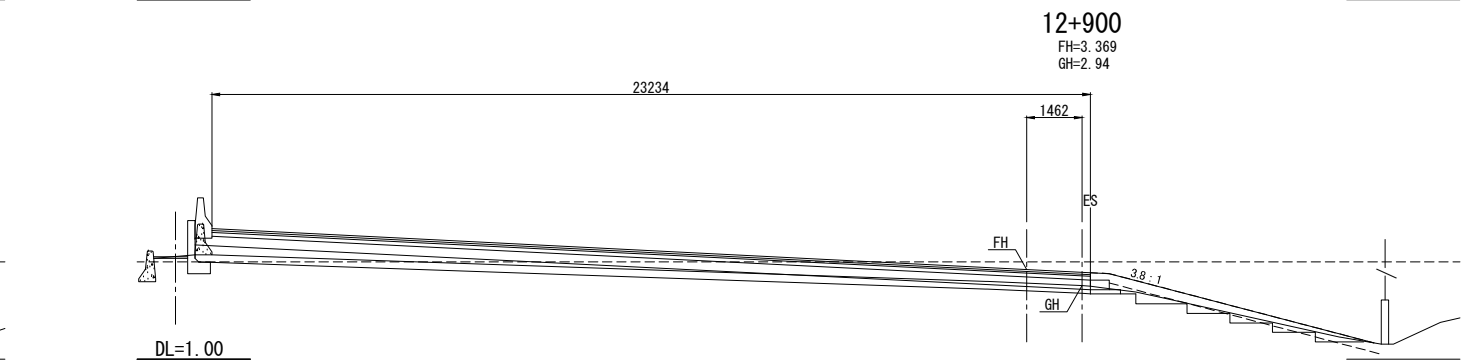
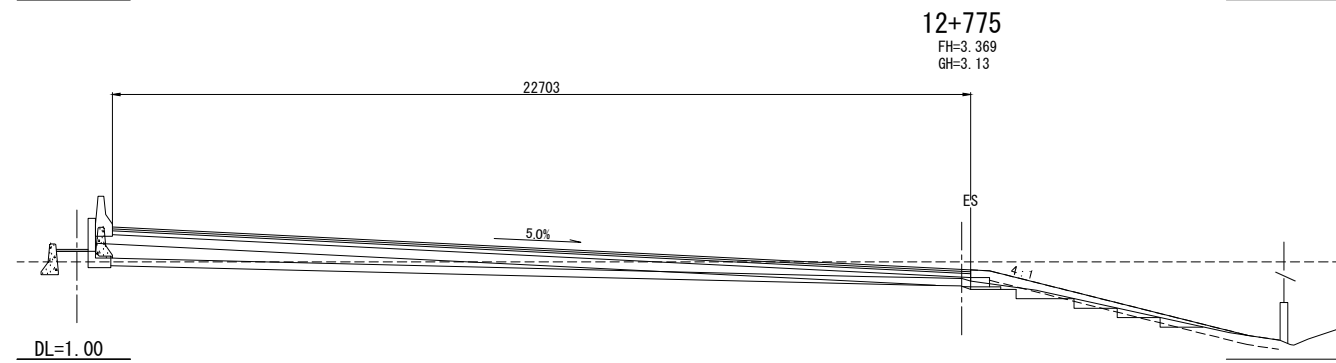
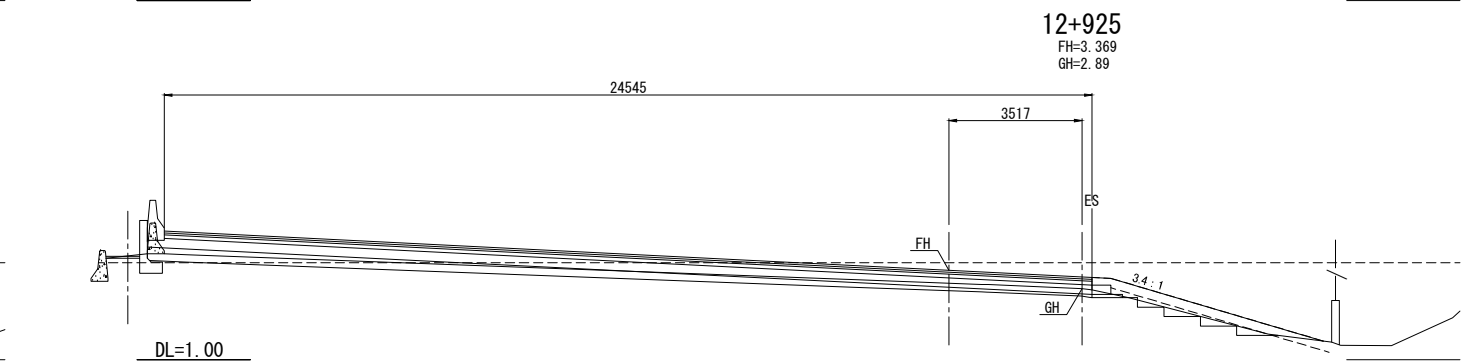
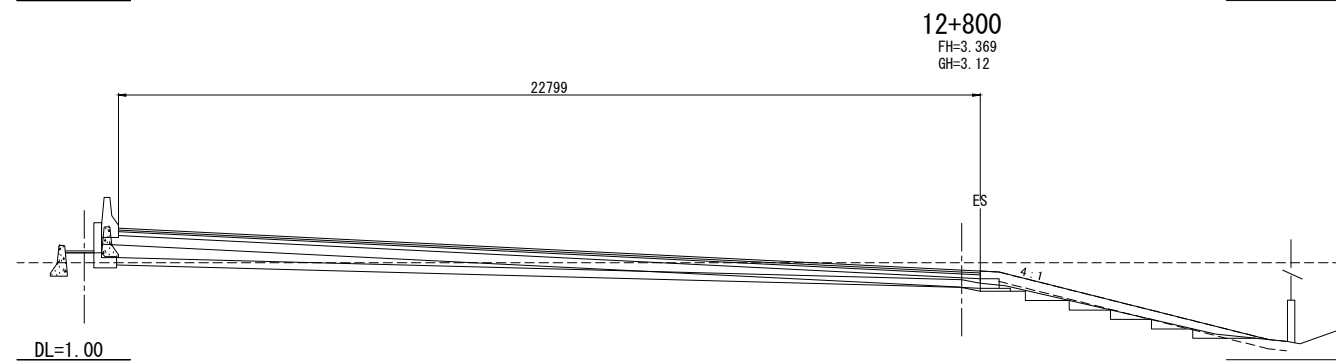
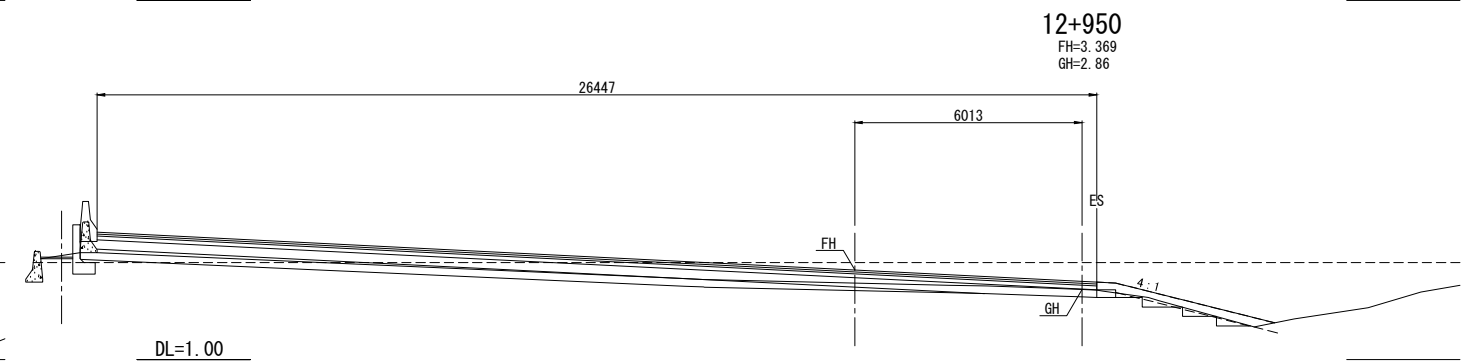
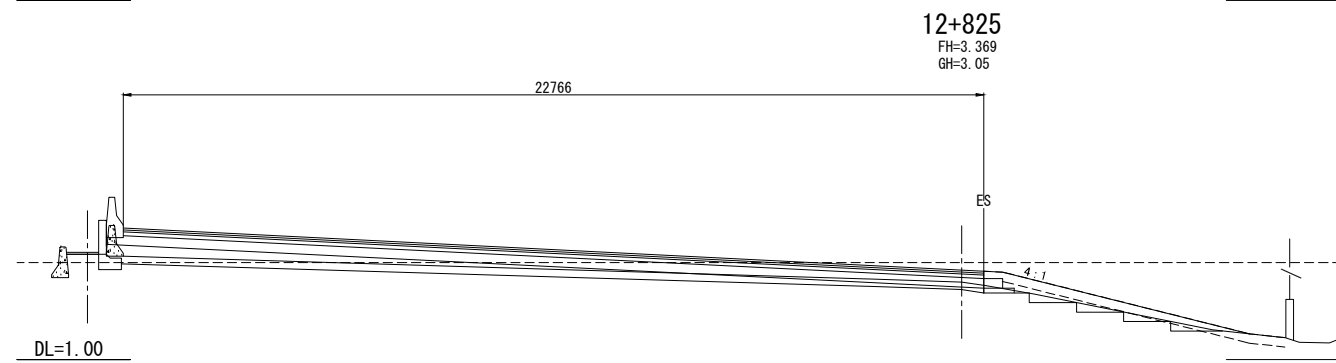
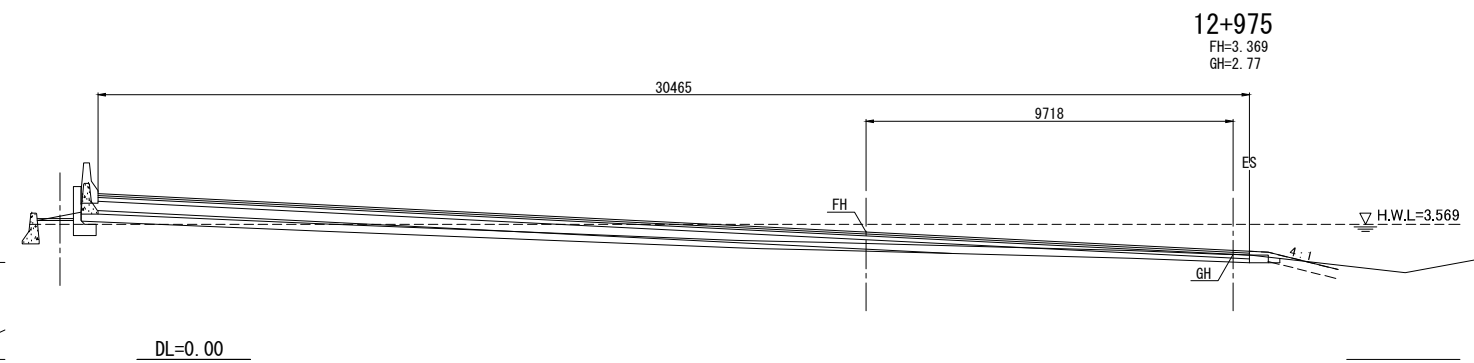
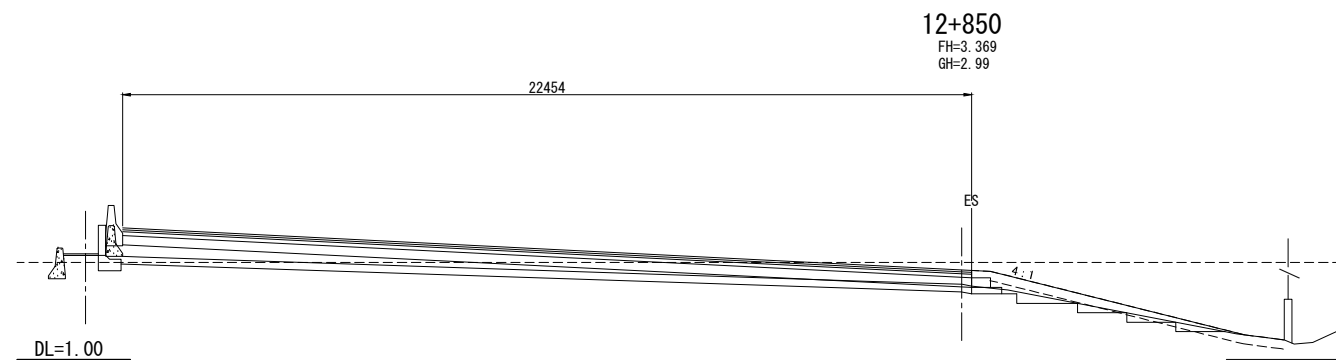
CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (7 / 70) | | | | | DWG. NO. MW-58 | SHEET NO. 63 |



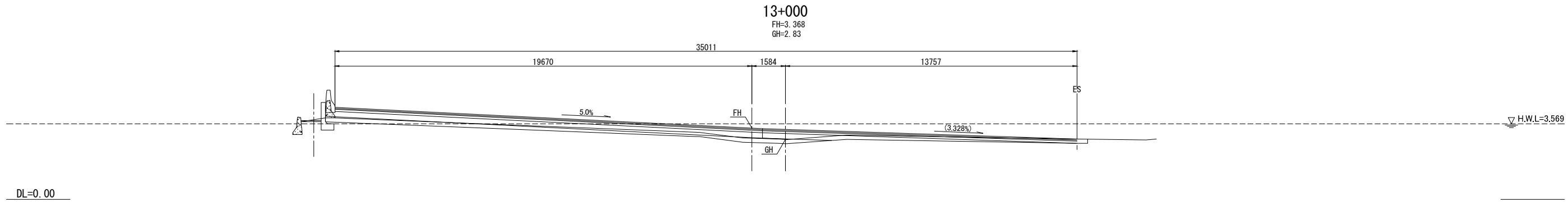
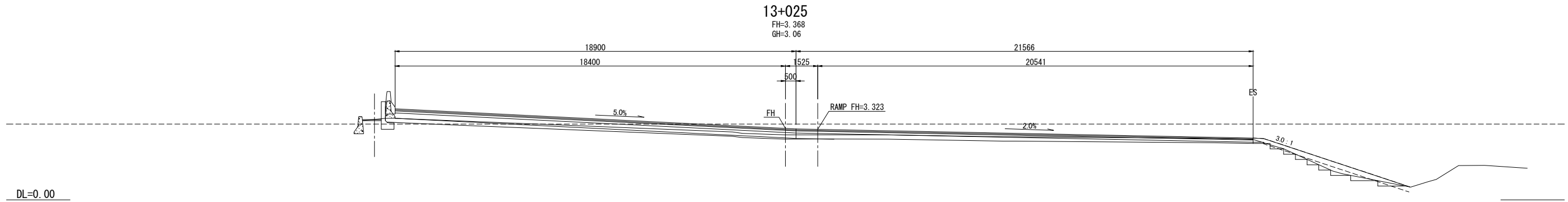
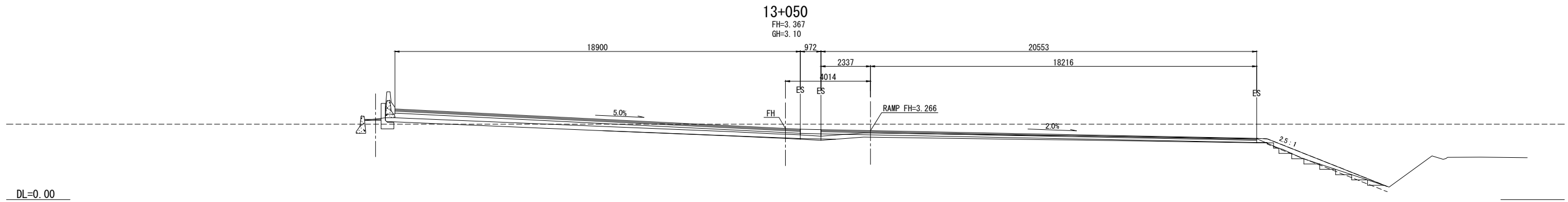
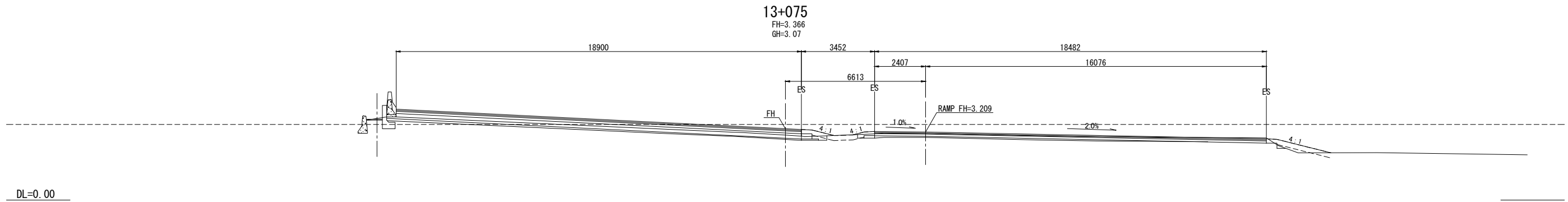
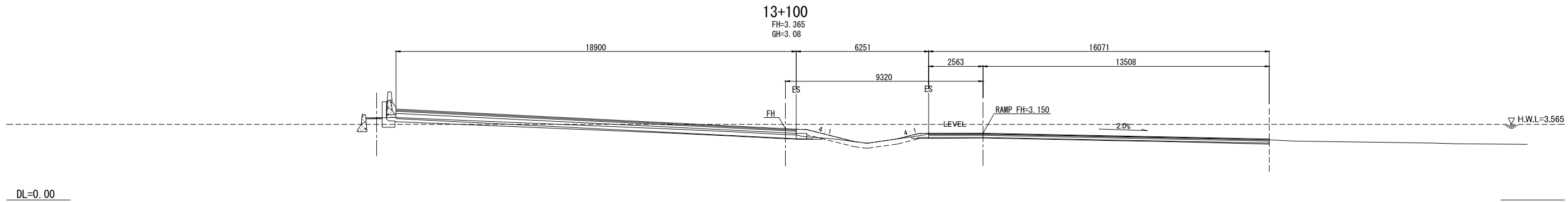
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (8 / 70) | | | | | DWG. NO. MW-59 | SHEET NO. 64 |



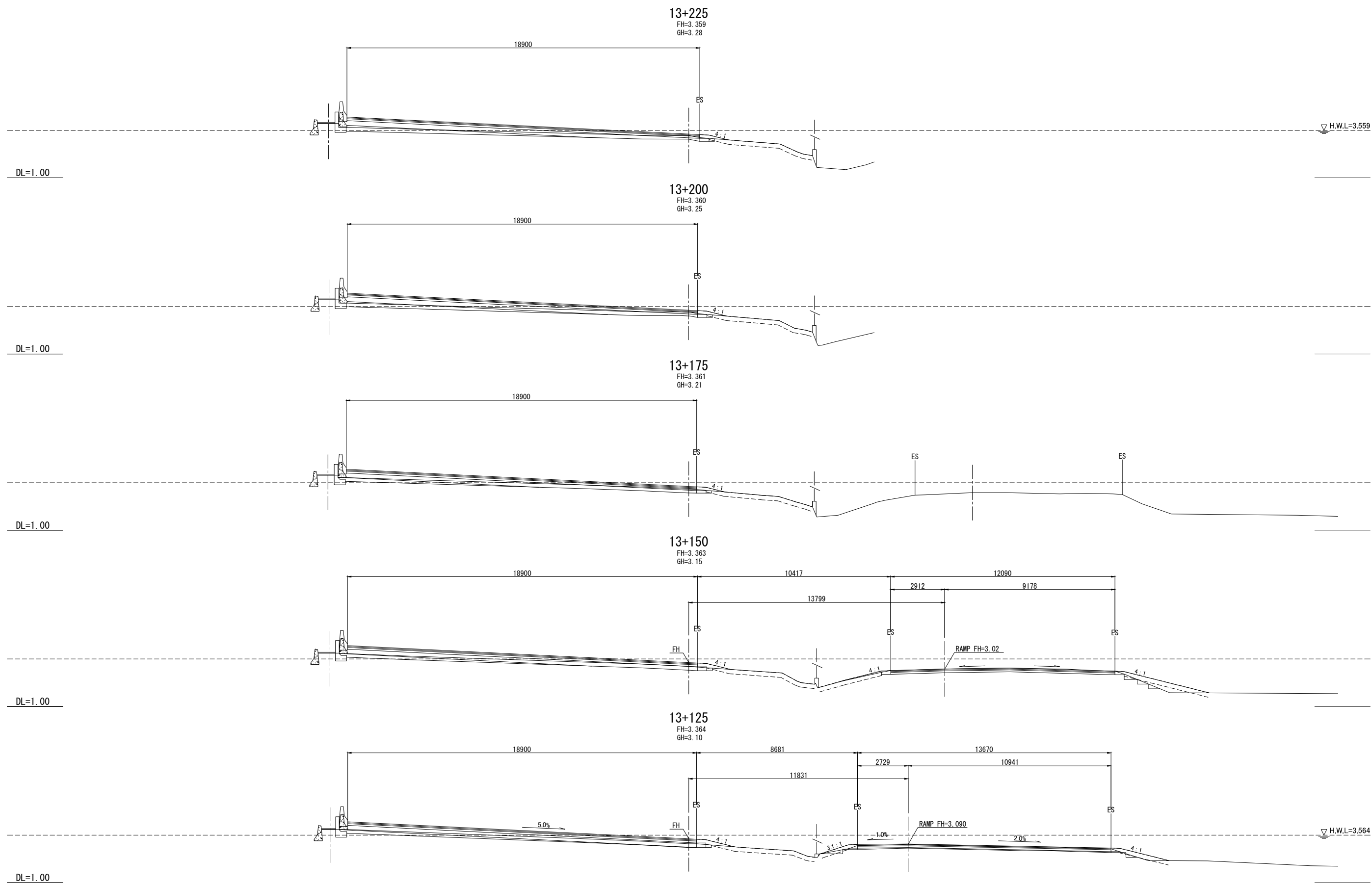
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (9 / 70) | | | | | DWG. NO. MW-60 | SHEET NO. 65 |



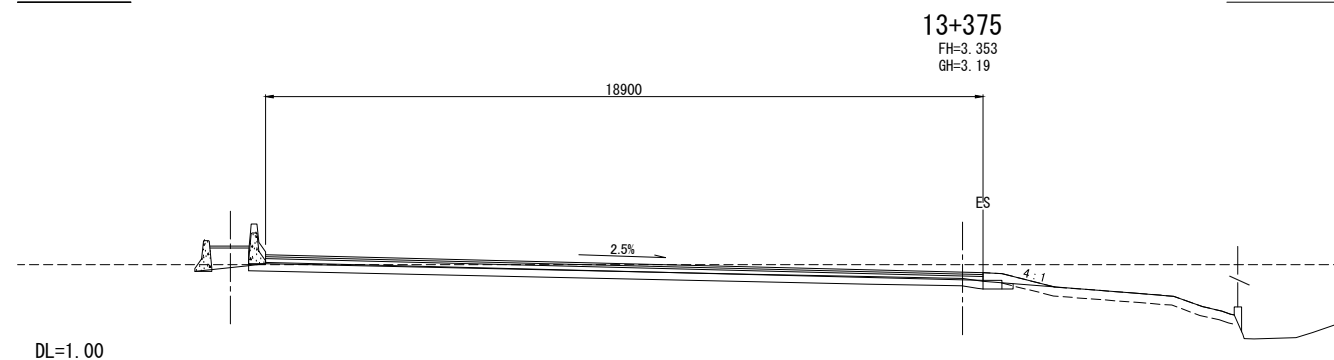
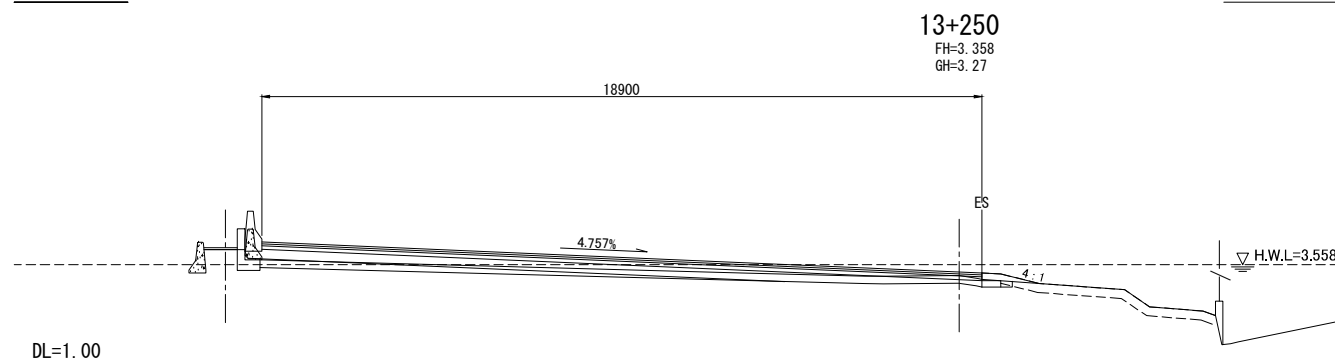
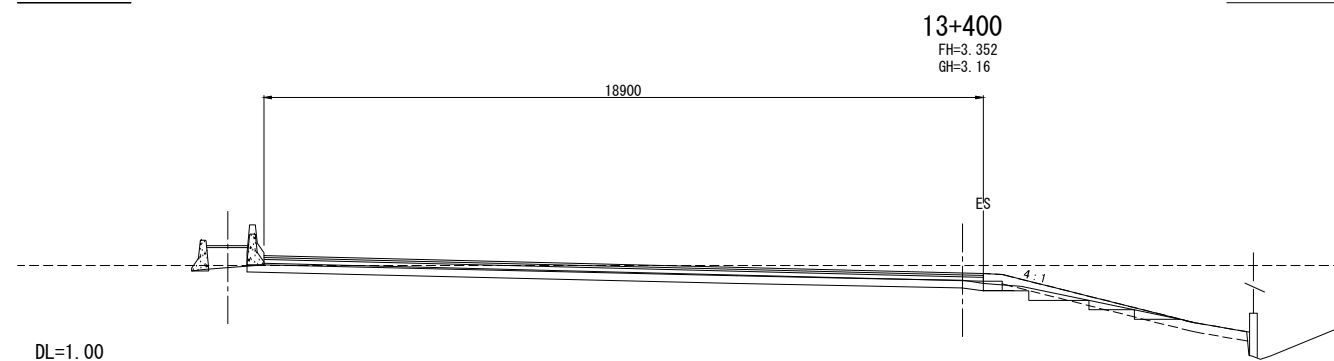
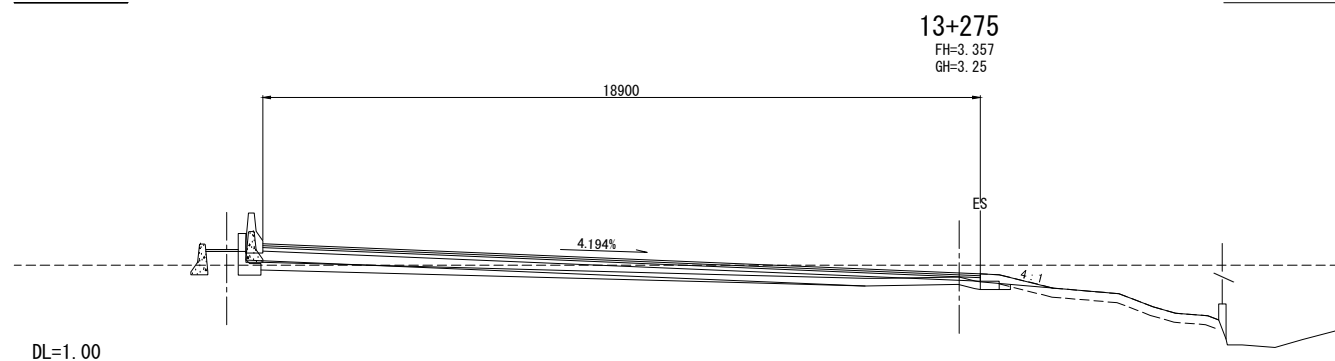
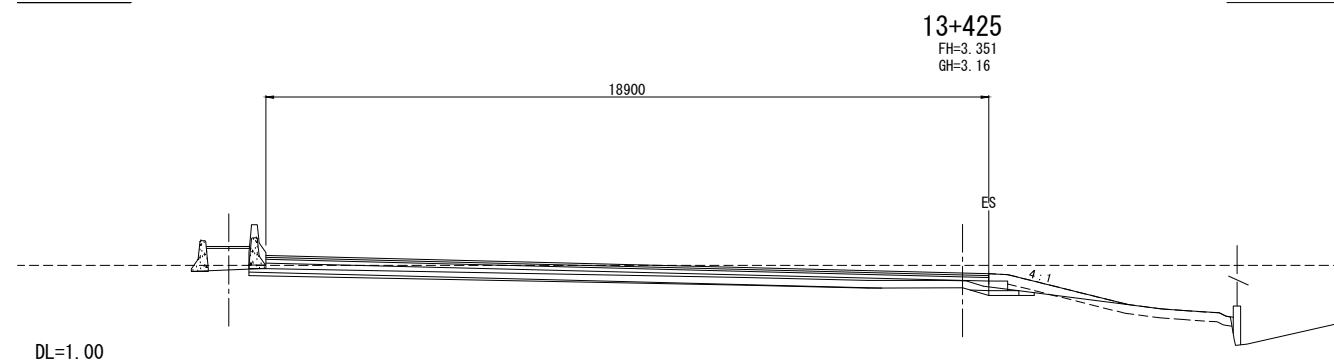
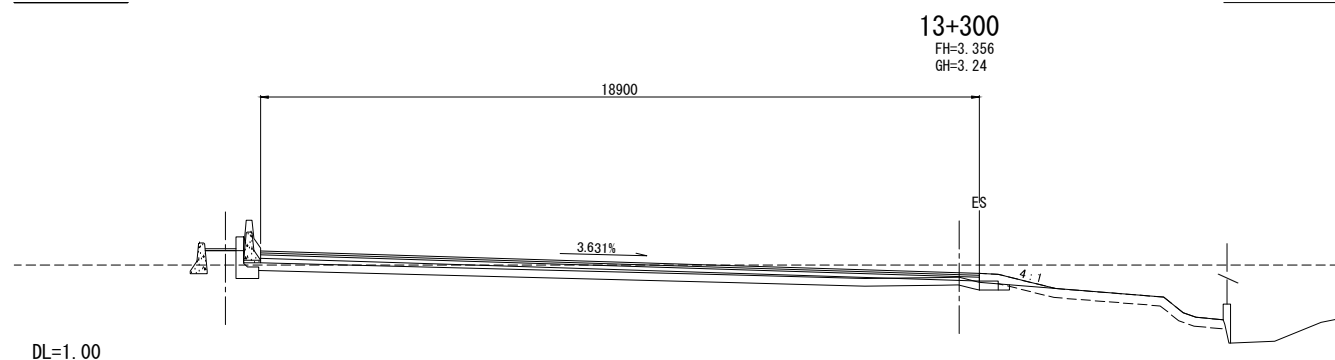
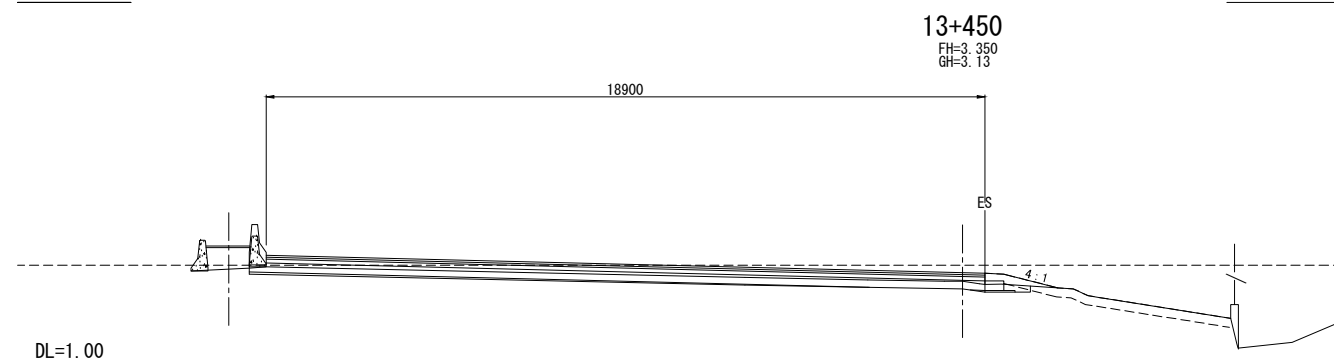
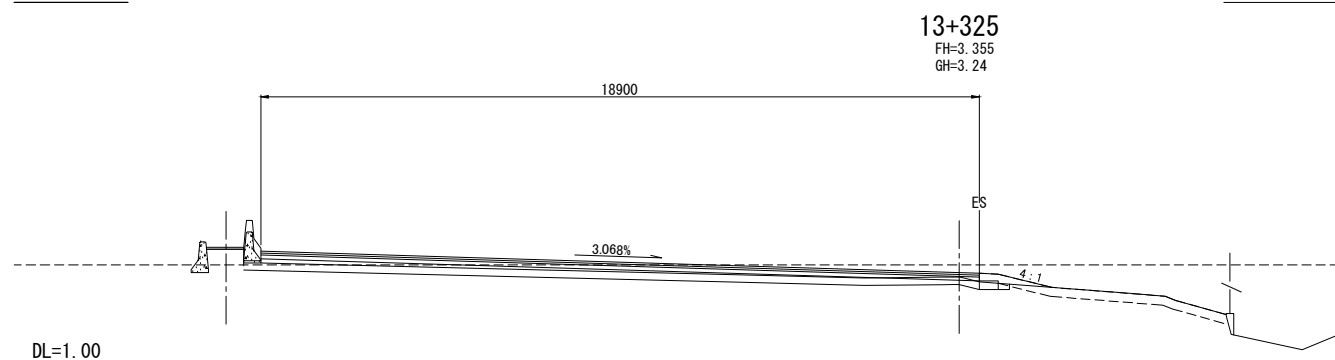
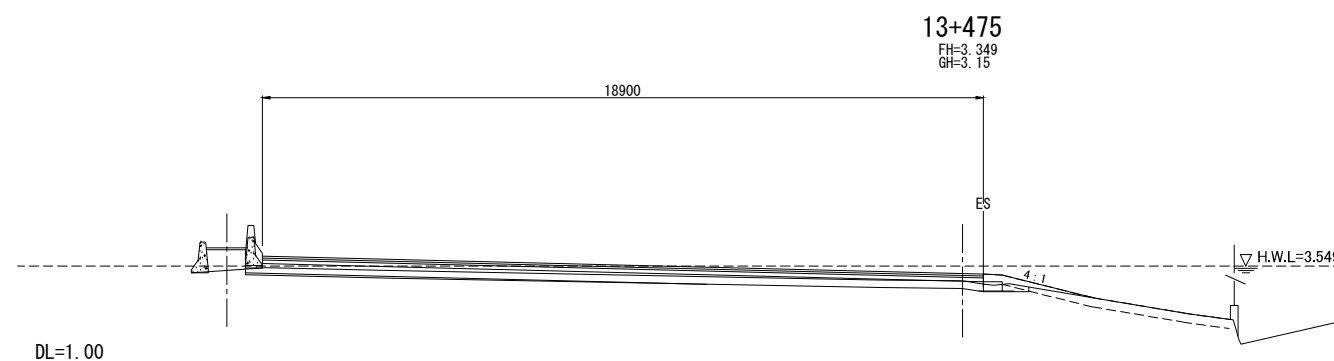
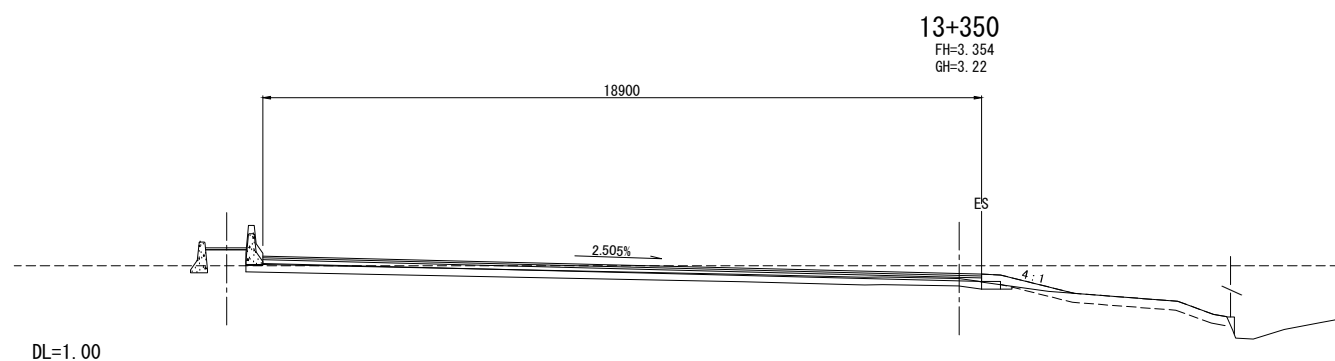
CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------------|------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-61 | SHEET NO. 66 |

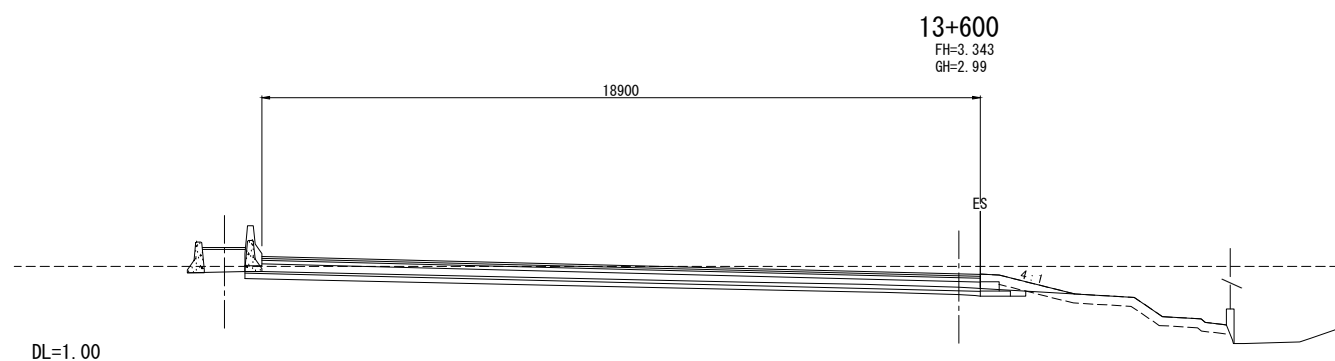


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------|-------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. | SHEET NO. |
| | | | | | | | | | | | | | | MW-62 | 67 |

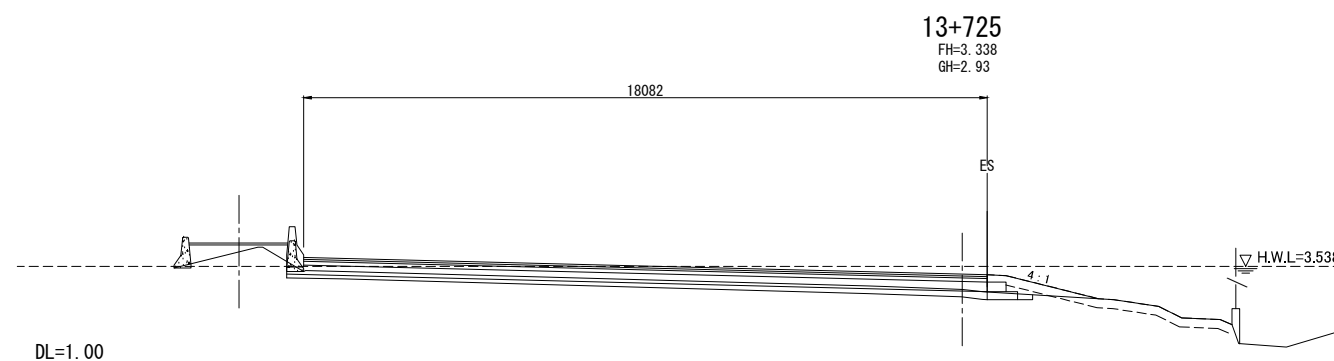


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-------------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (12 / 70) | | | | | DWG. NO. MW-63 | SHEET NO. 68 |

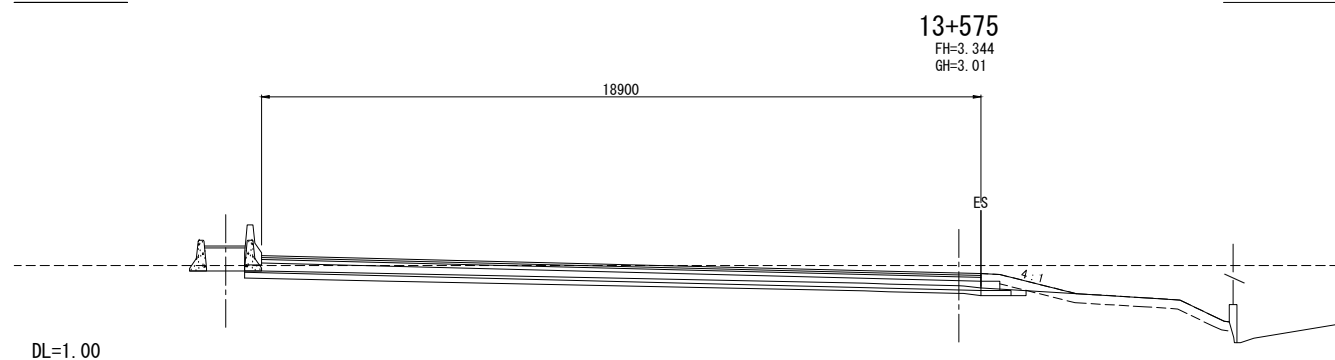
CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



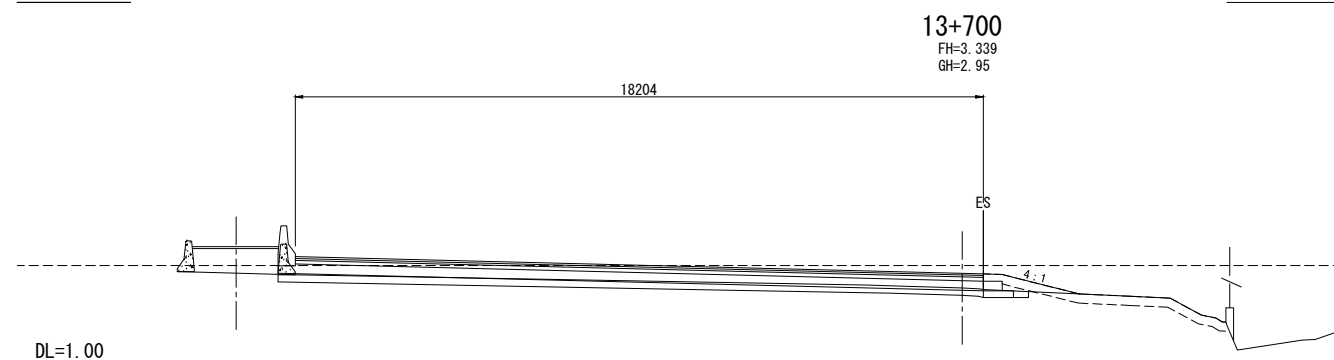
13+600
FH=3.343
GH=2.99



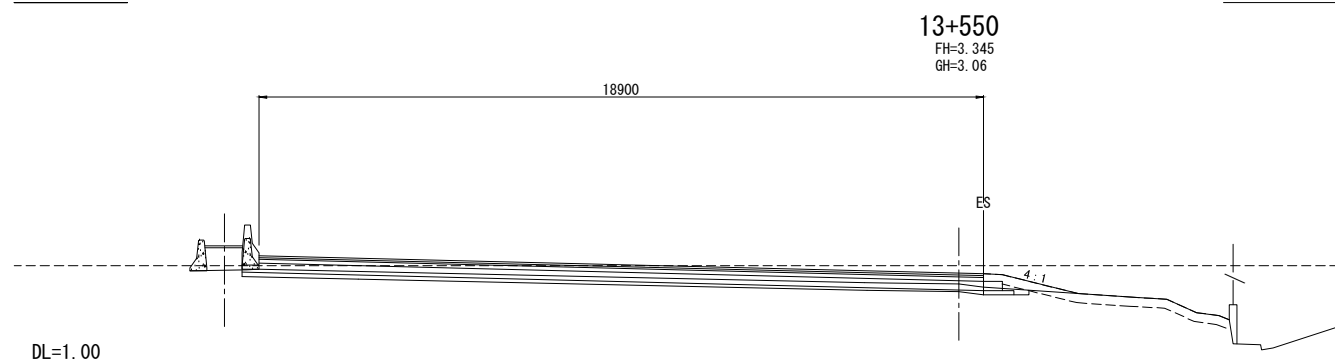
13+725
FH=3.338
GH=2.93



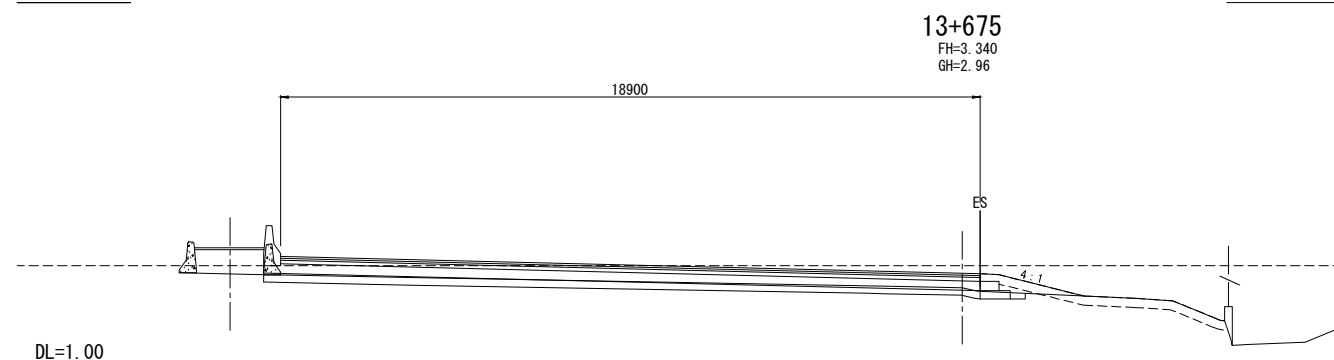
13+575
FH=3.344
GH=3.01



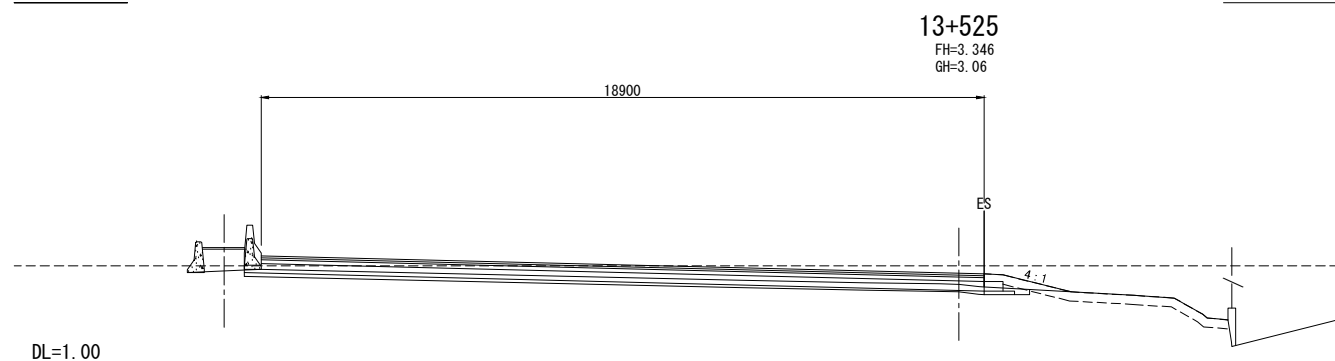
13+700
FH=3.339
GH=2.95



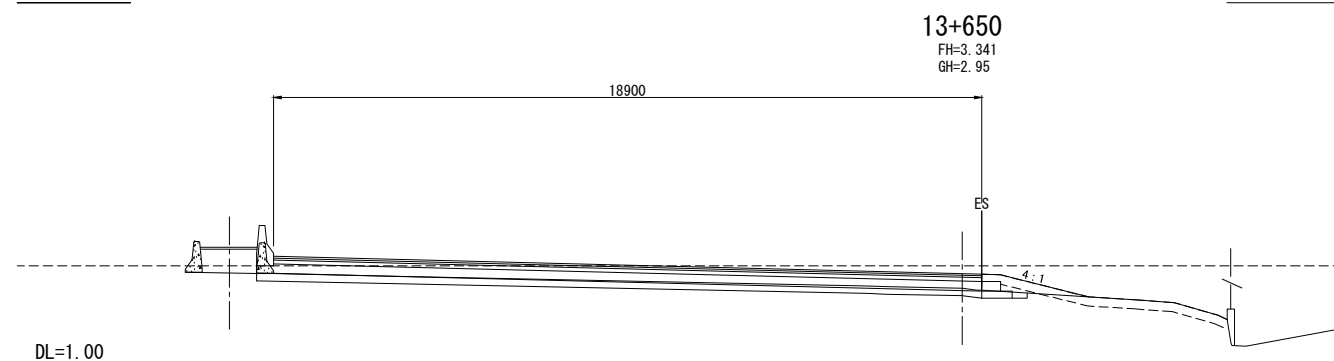
13+550
FH=3.345
GH=3.06



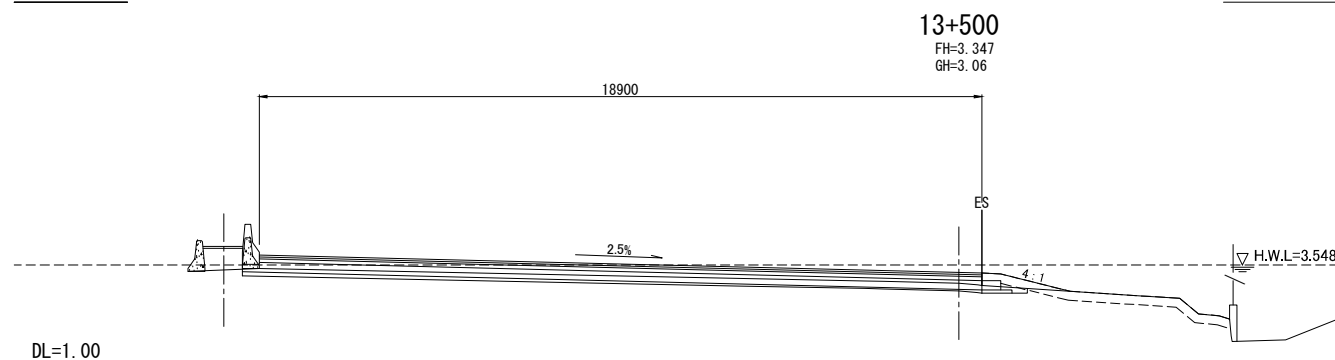
13+675
FH=3.340
GH=2.96



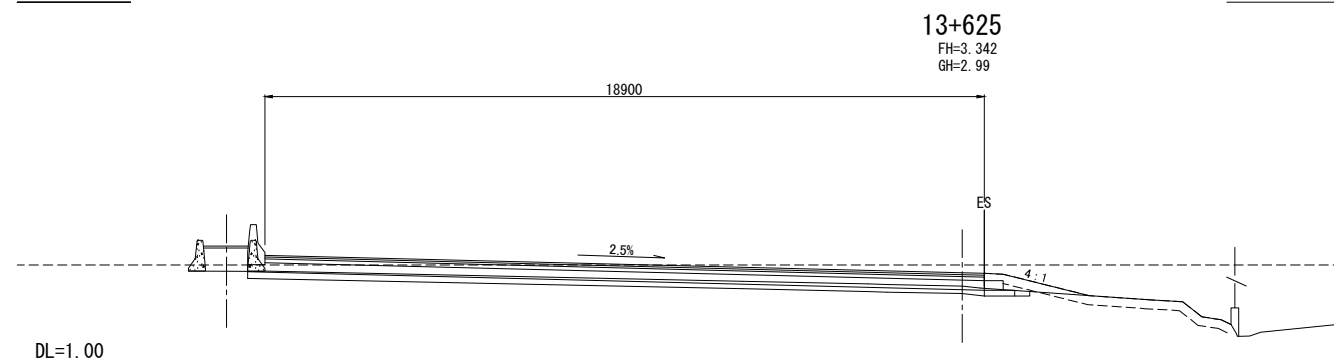
13+525
FH=3.346
GH=3.06



13+650
FH=3.341
GH=2.95

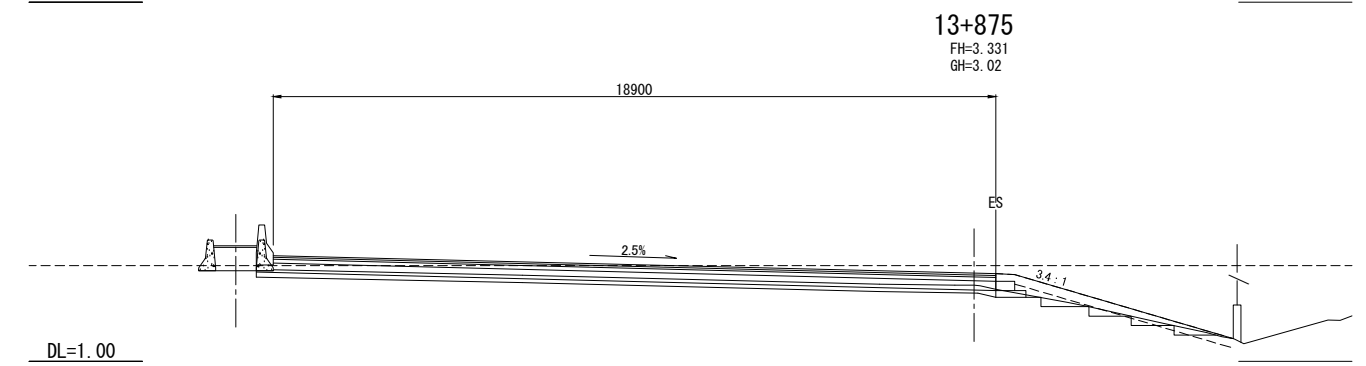
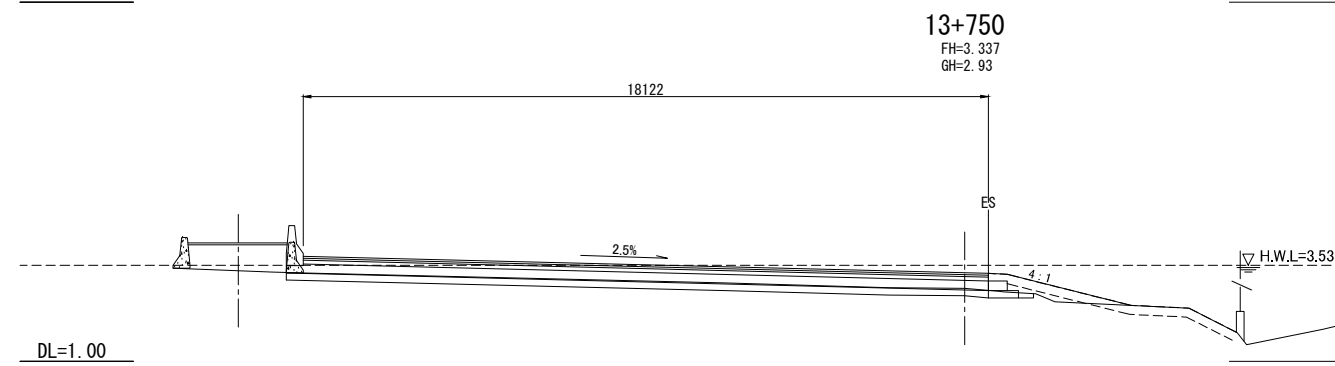
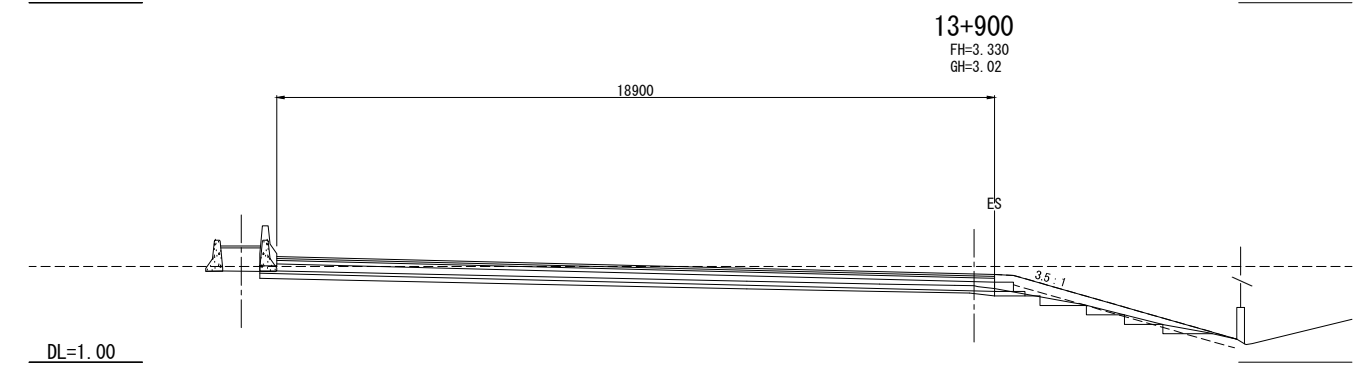
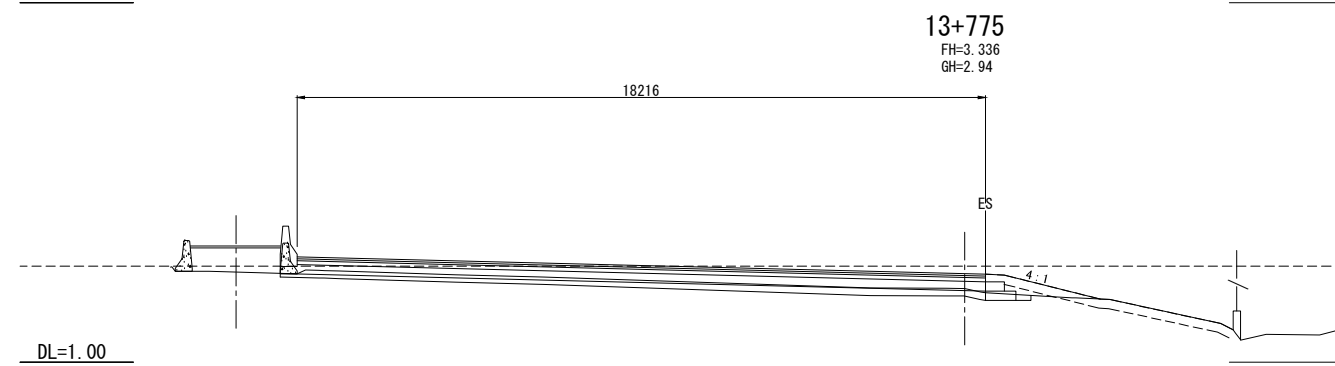
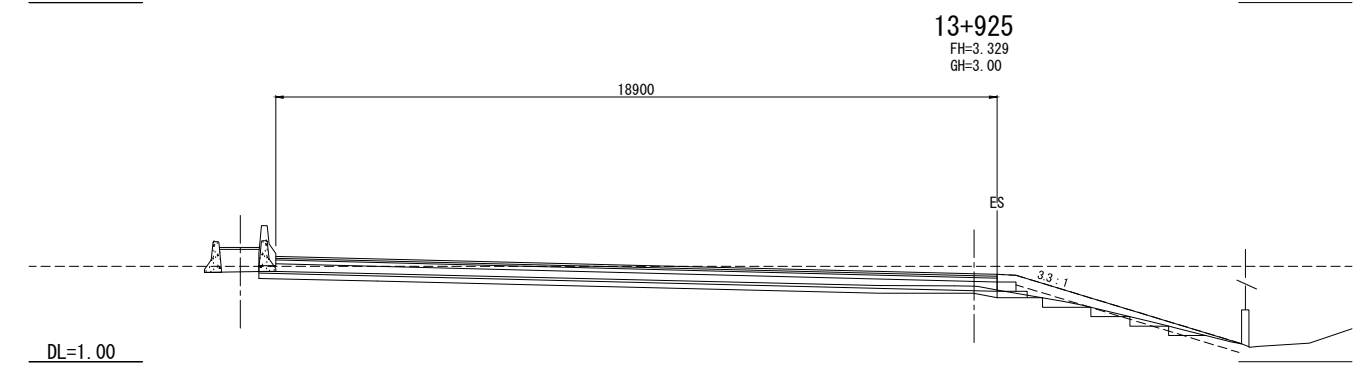
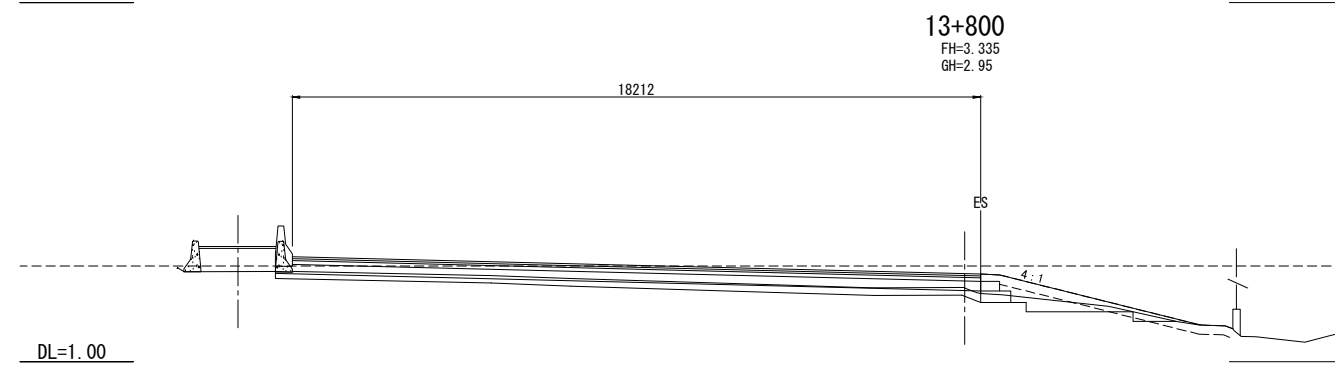
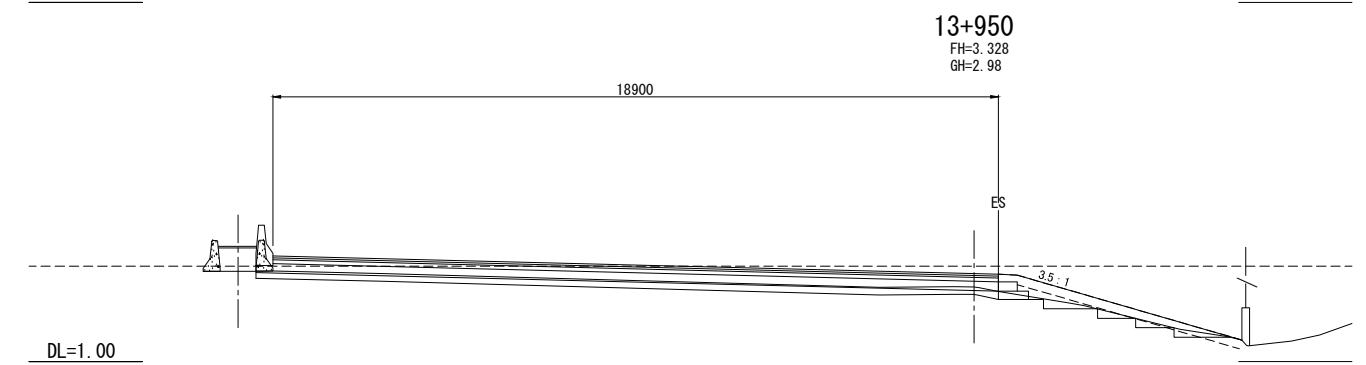
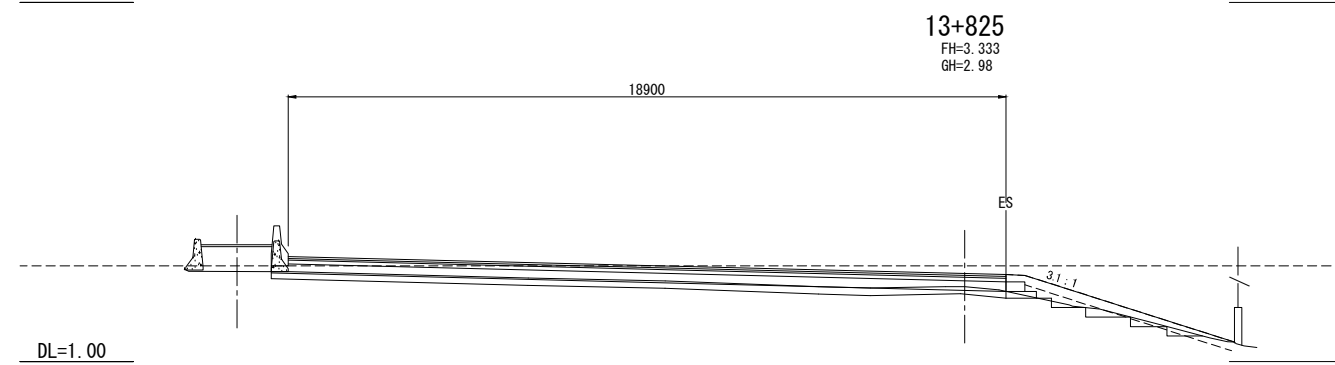
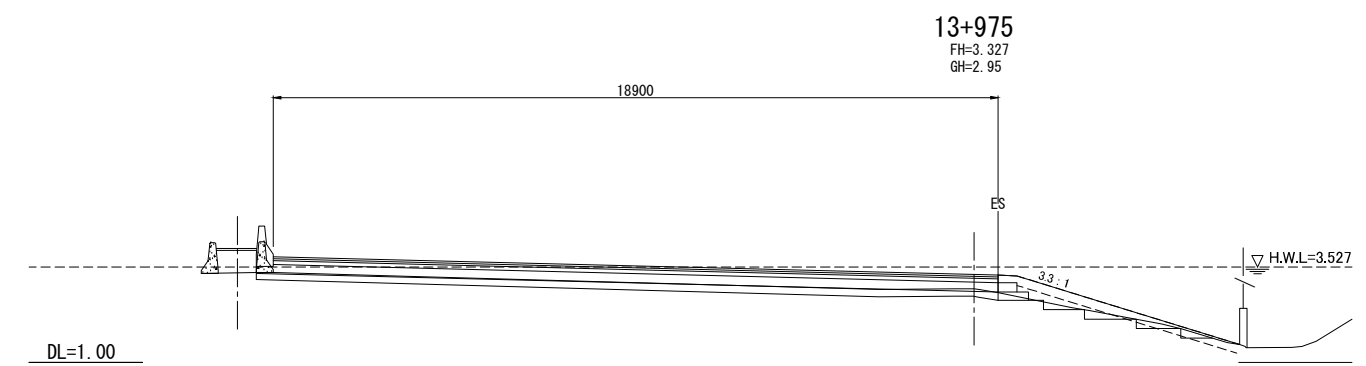
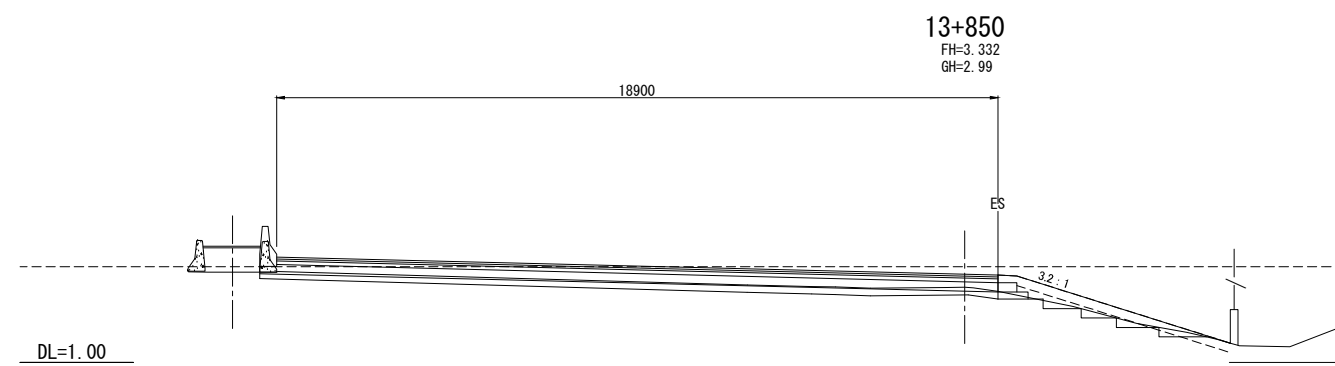


13+500
FH=3.347
GH=3.06

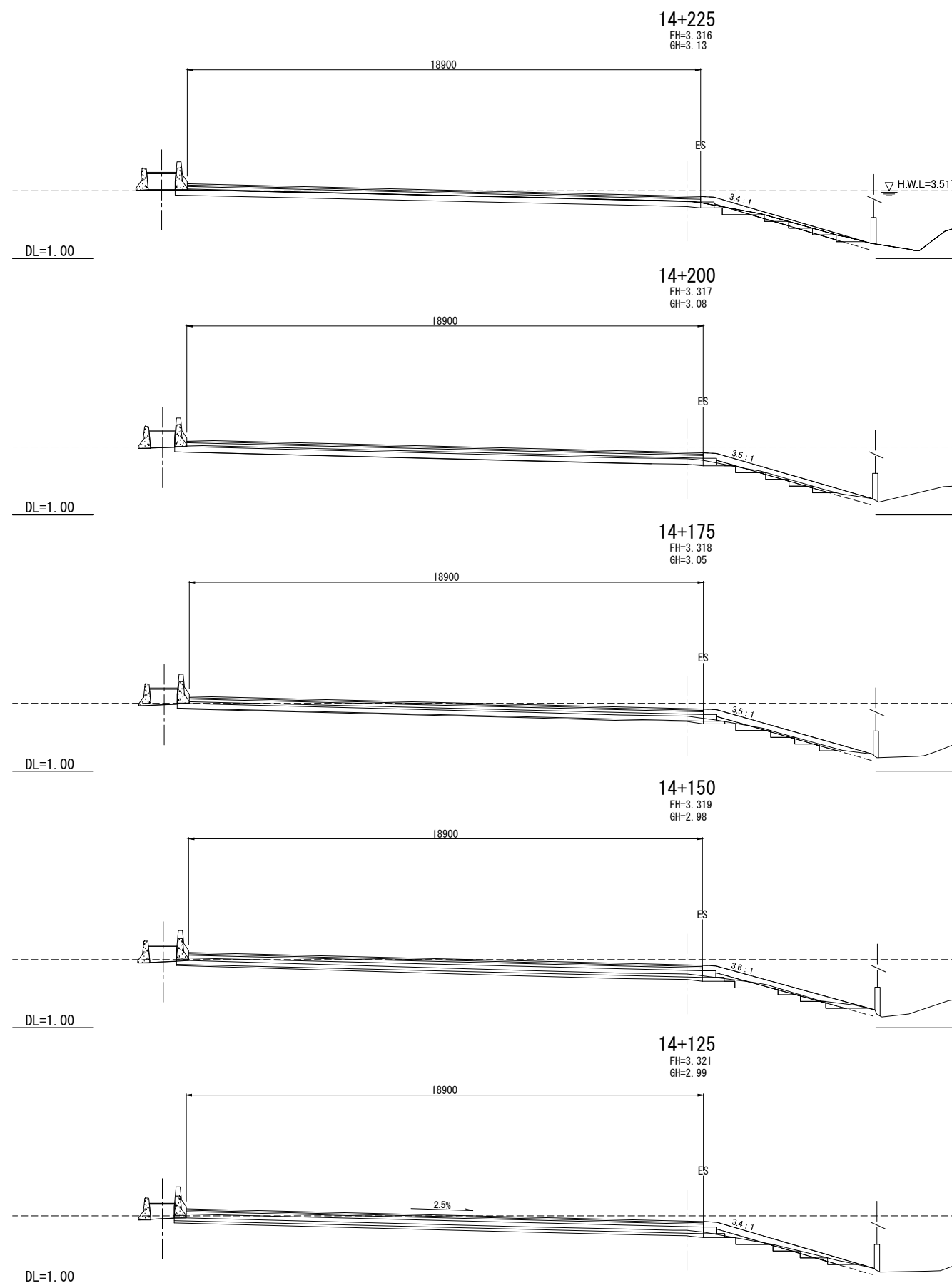
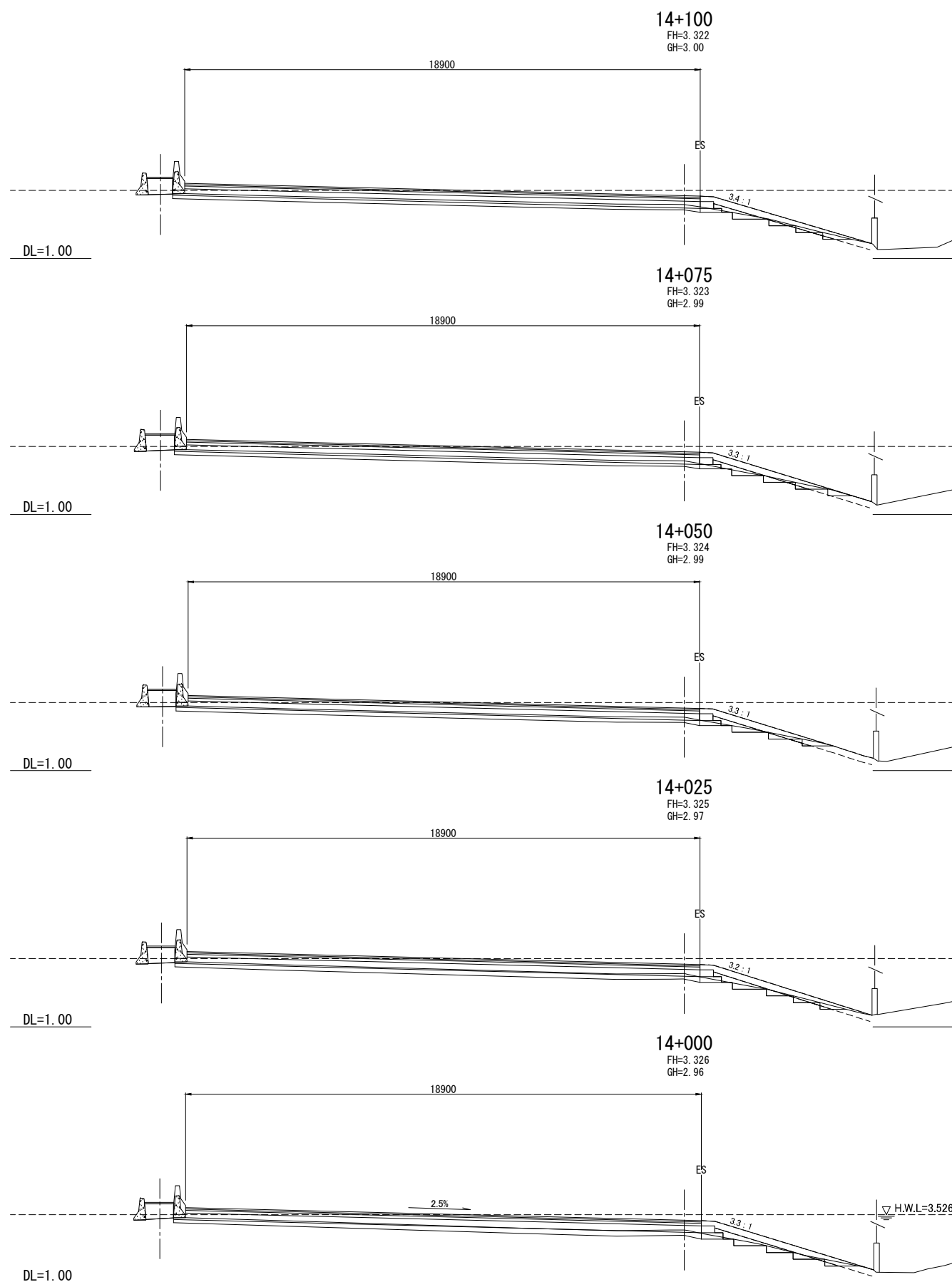


13+625
FH=3.342
GH=2.99

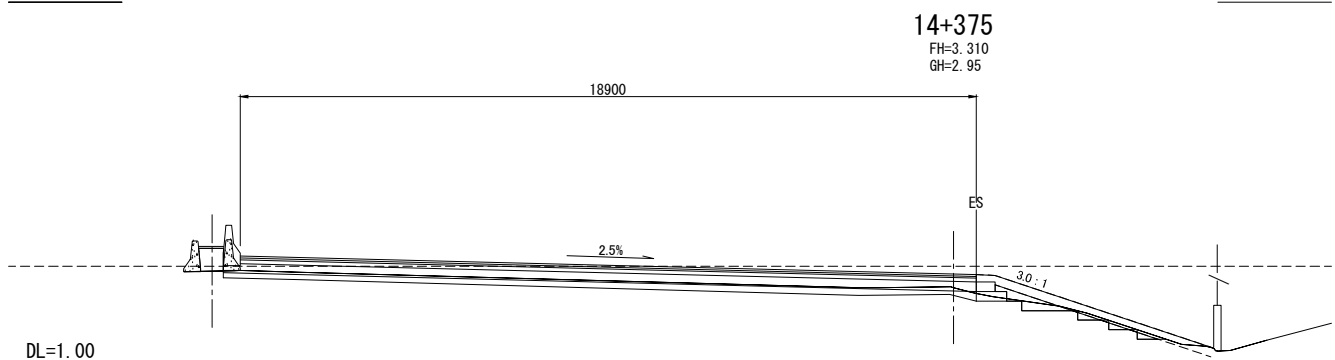
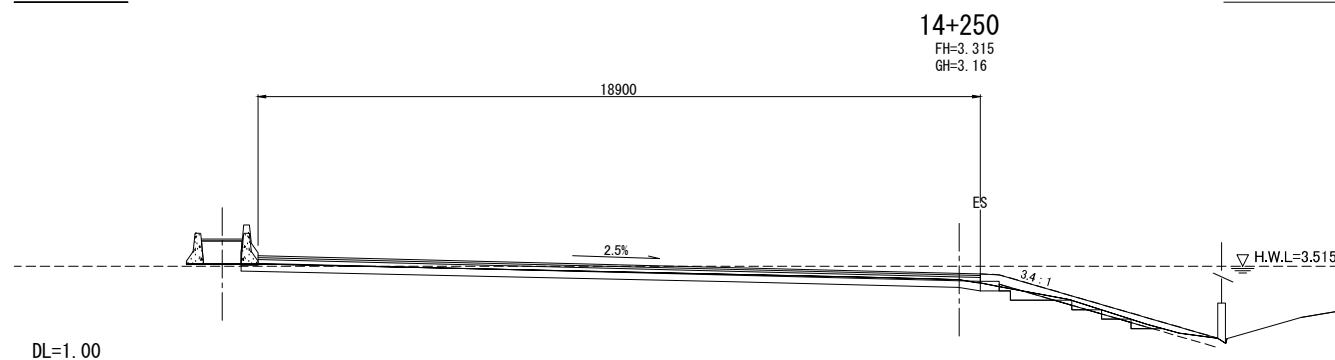
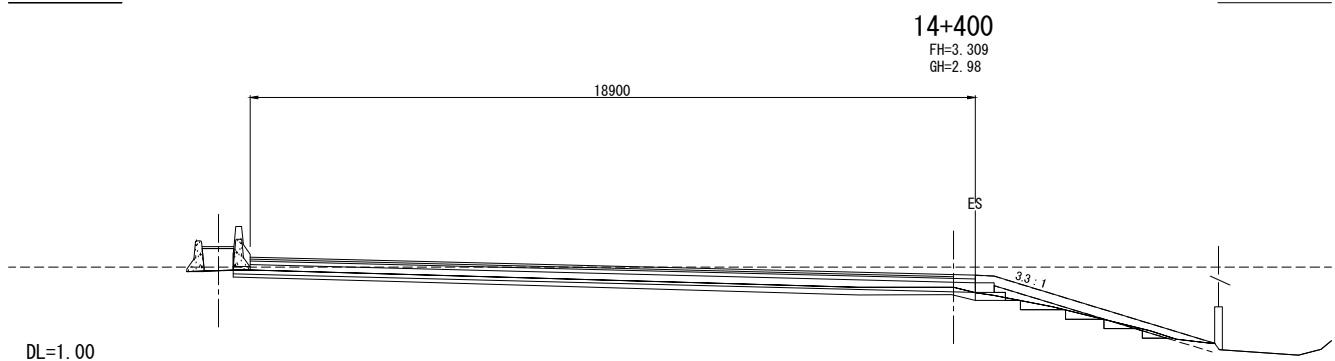
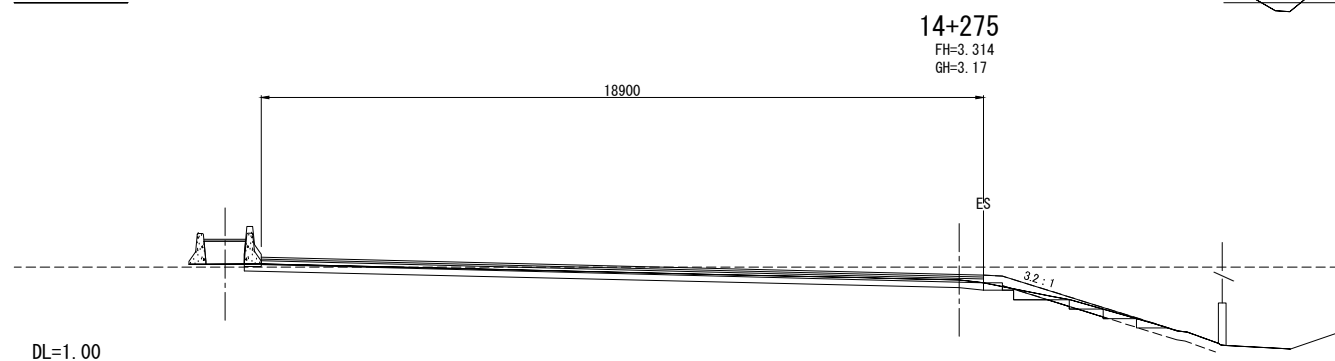
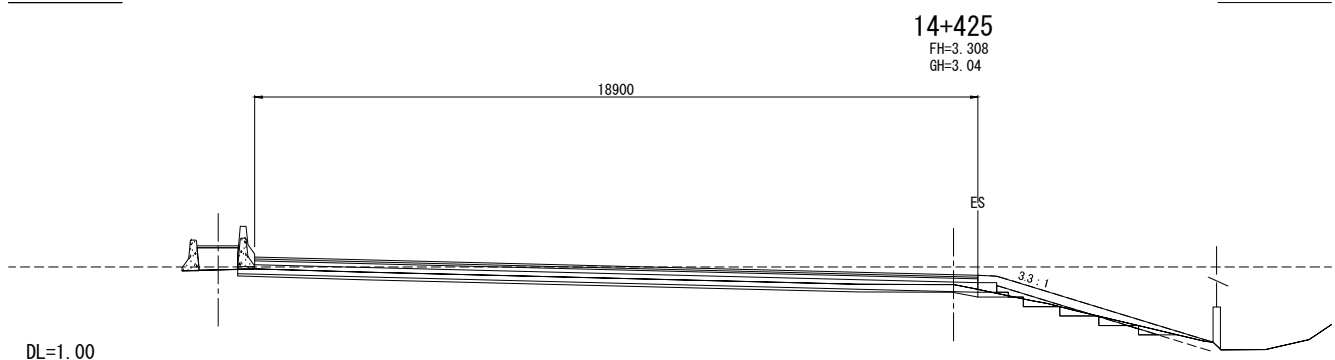
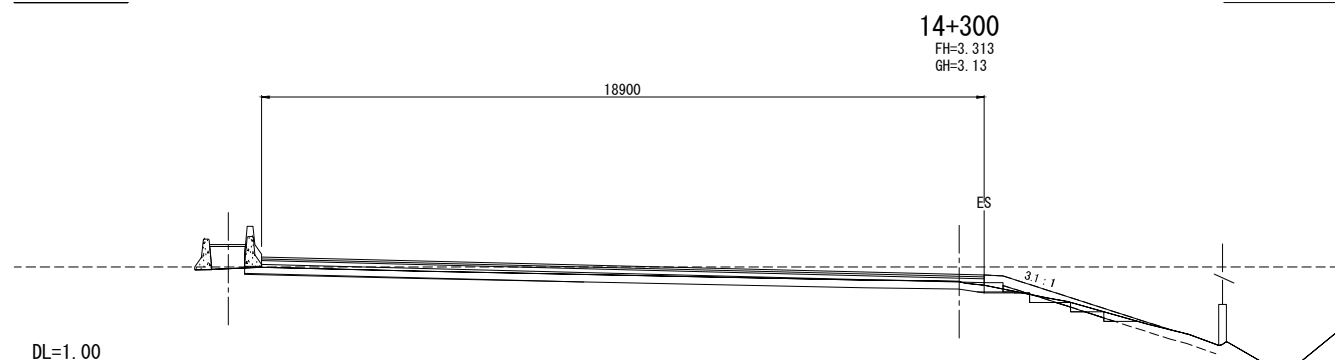
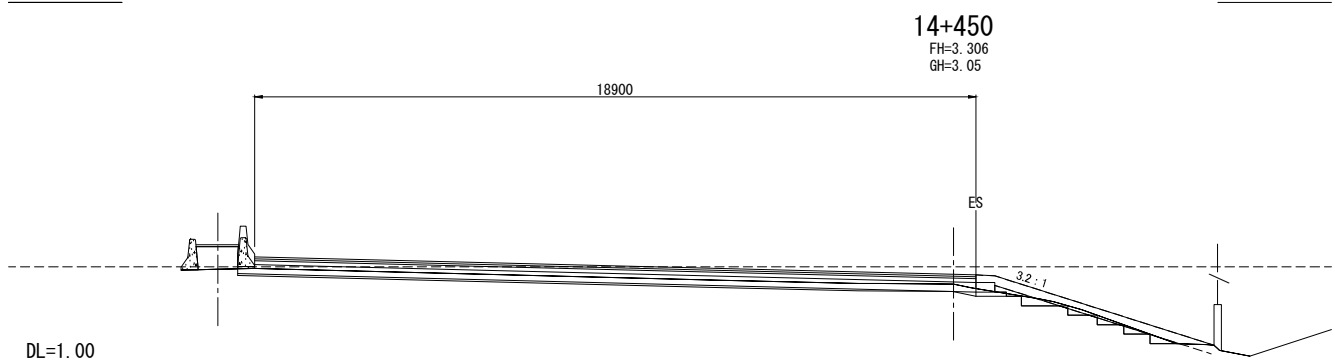
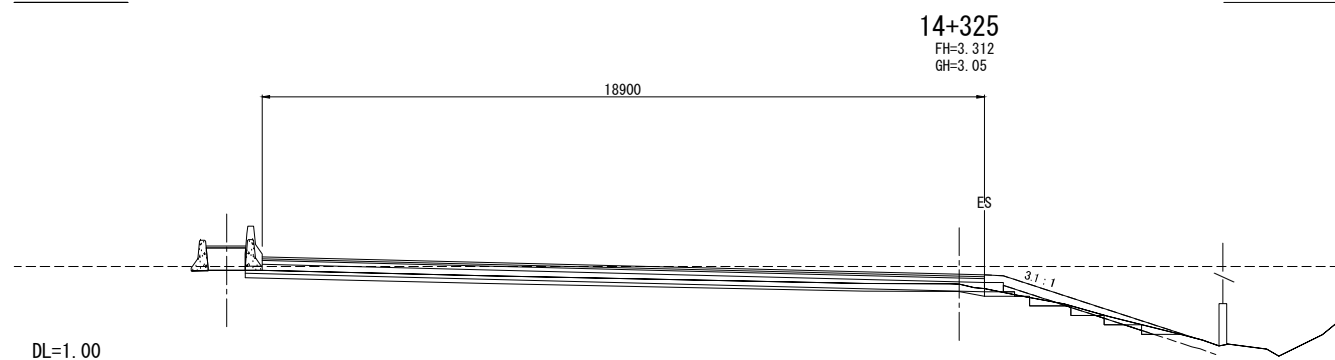
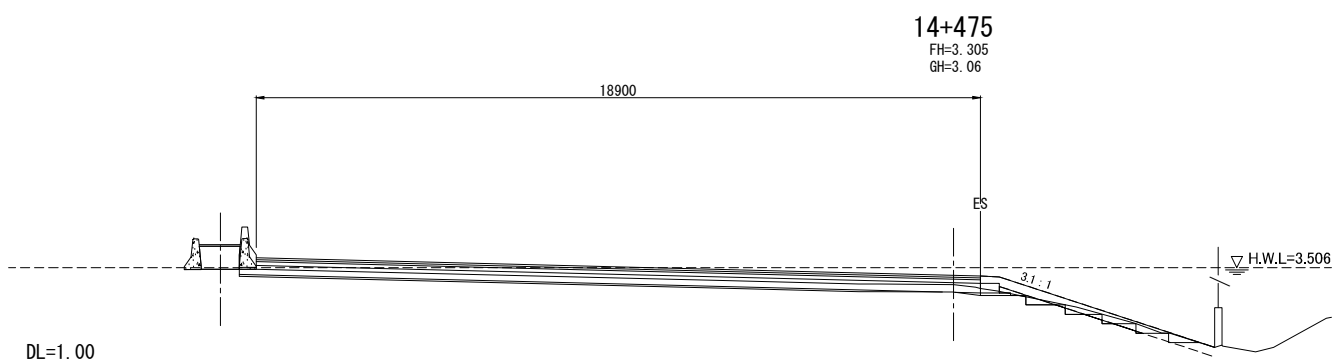
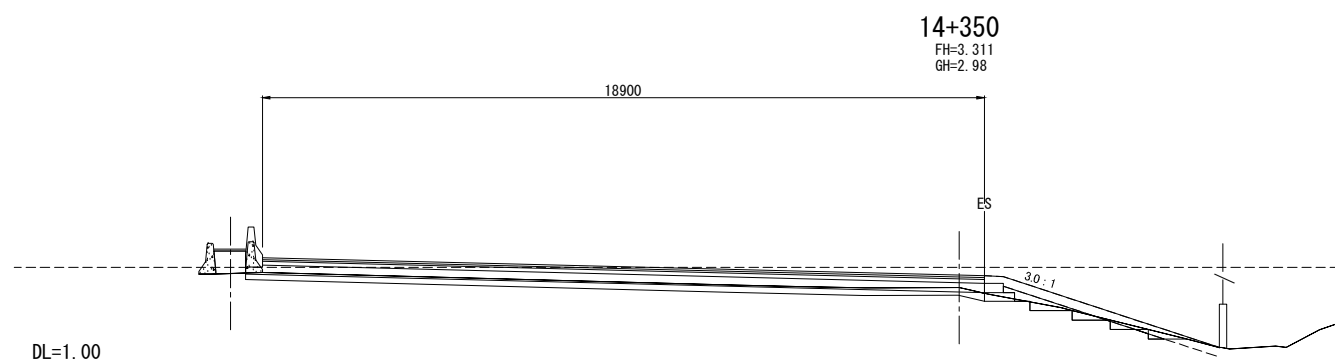
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (13 / 70) | | | | | DWG. NO. MW-64 | SHEET NO. 69 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-65 | SHEET NO. 70 |

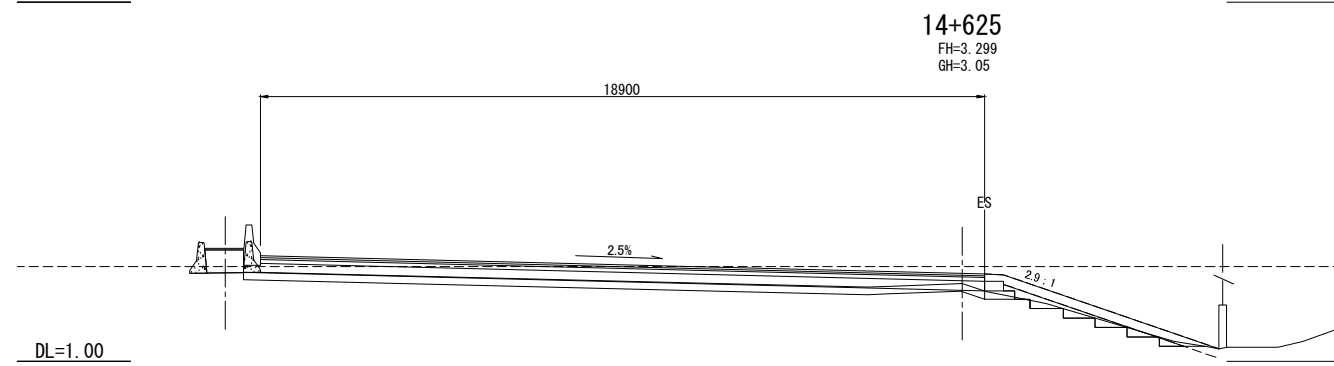
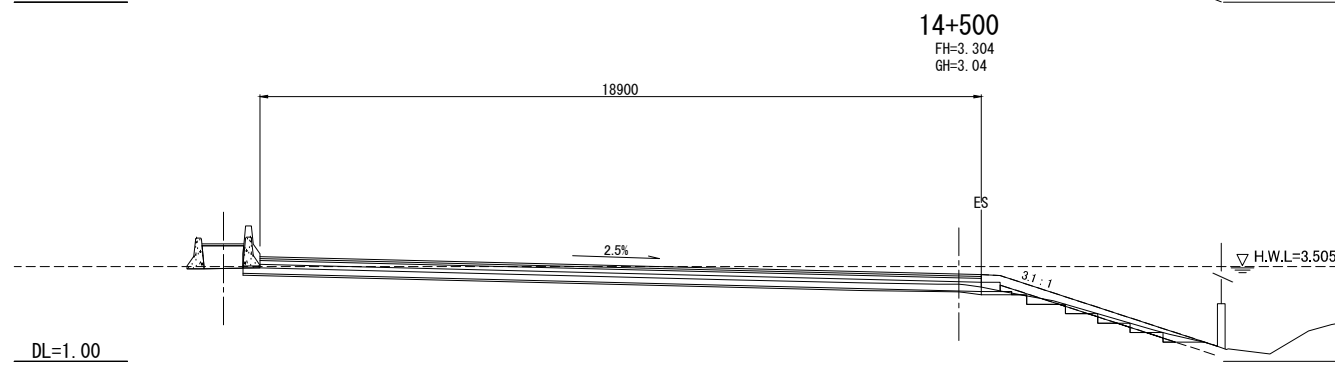
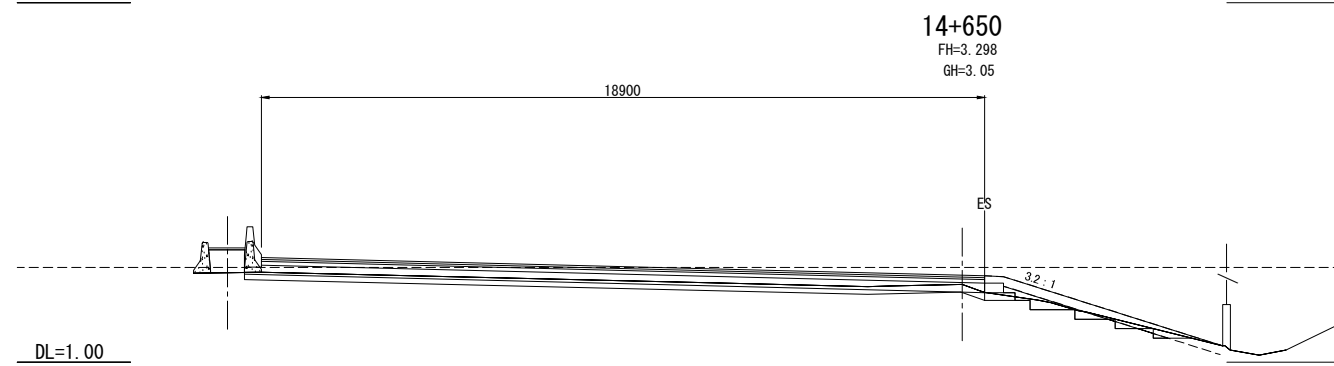
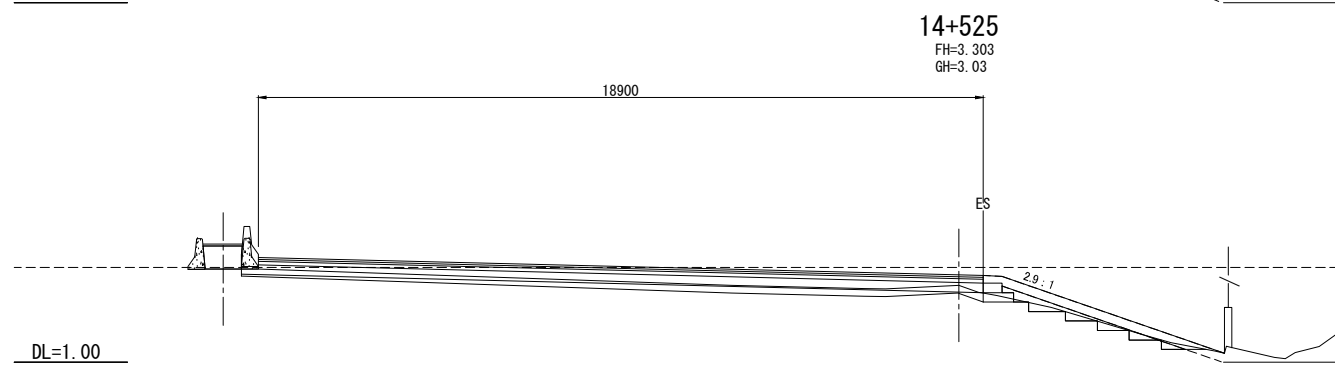
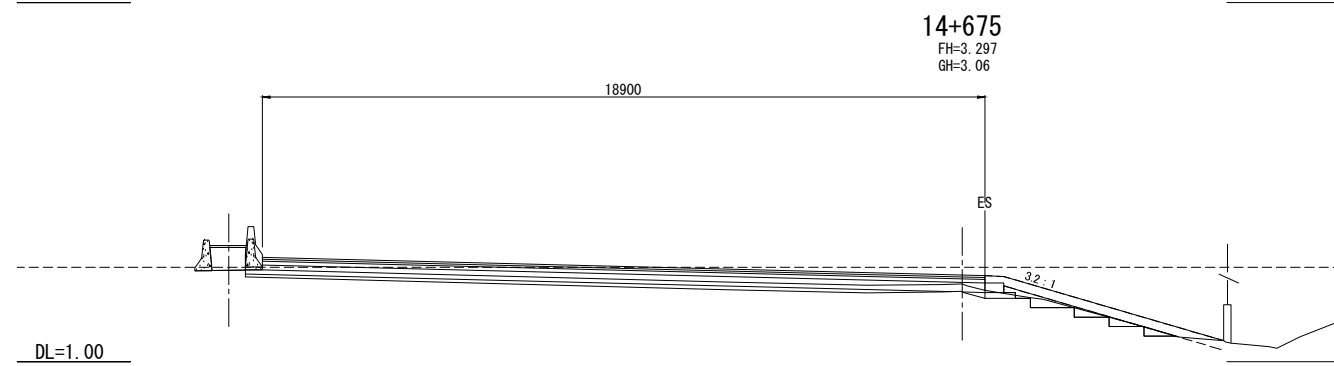
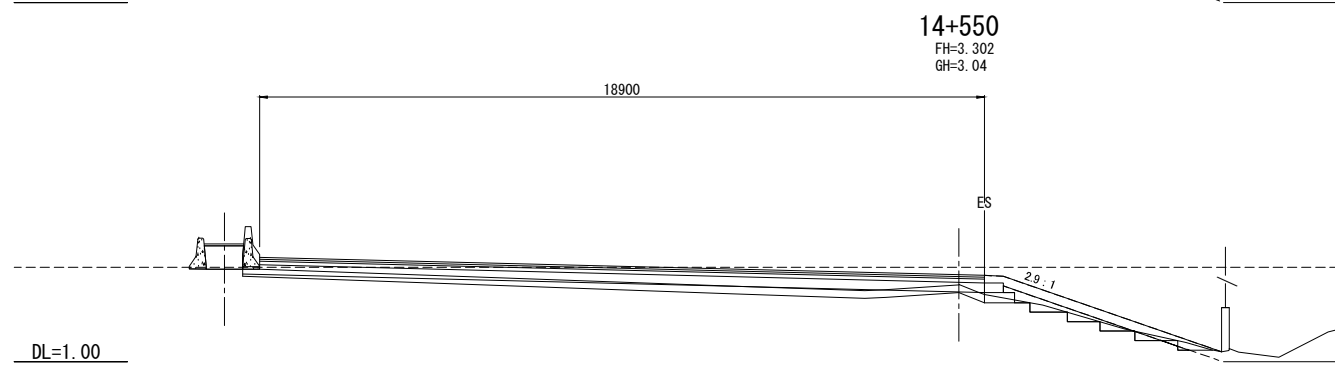
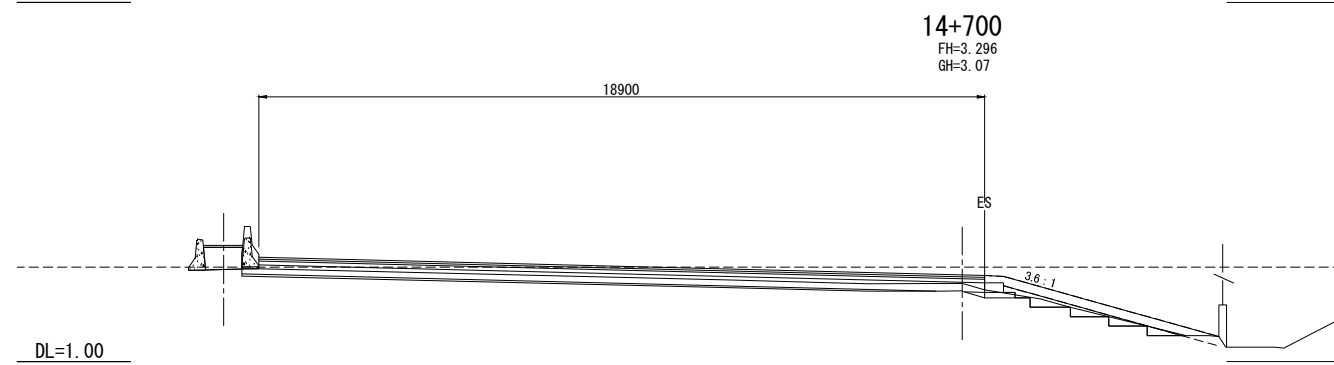
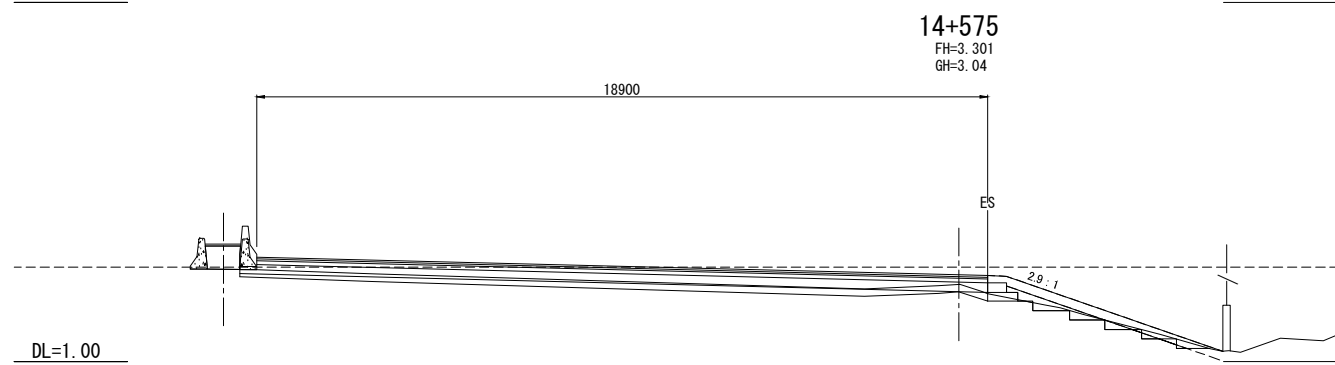
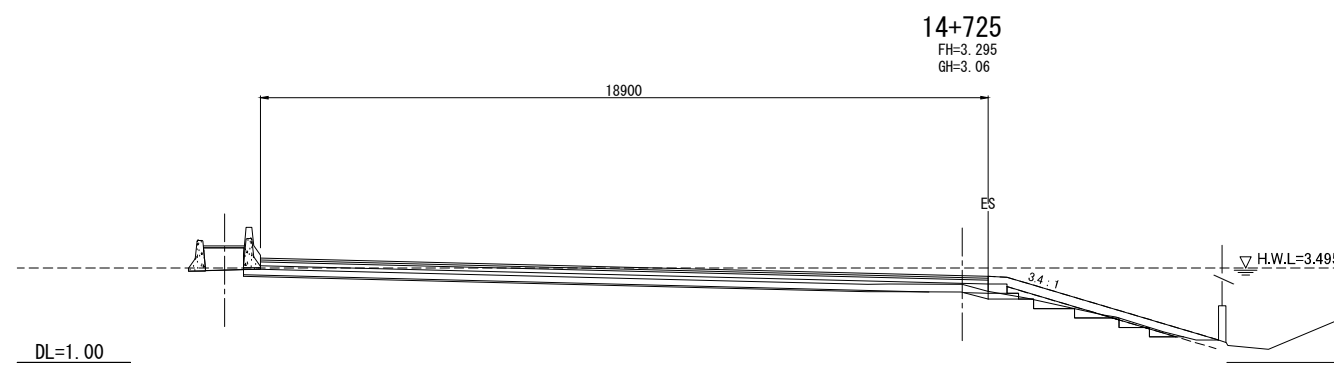
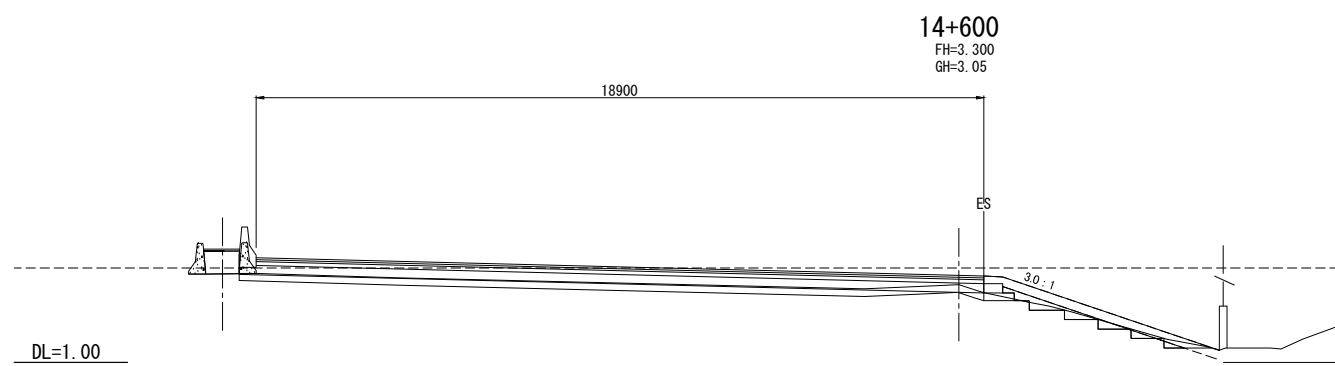


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------------|------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-66 | SHEET NO. 71 |

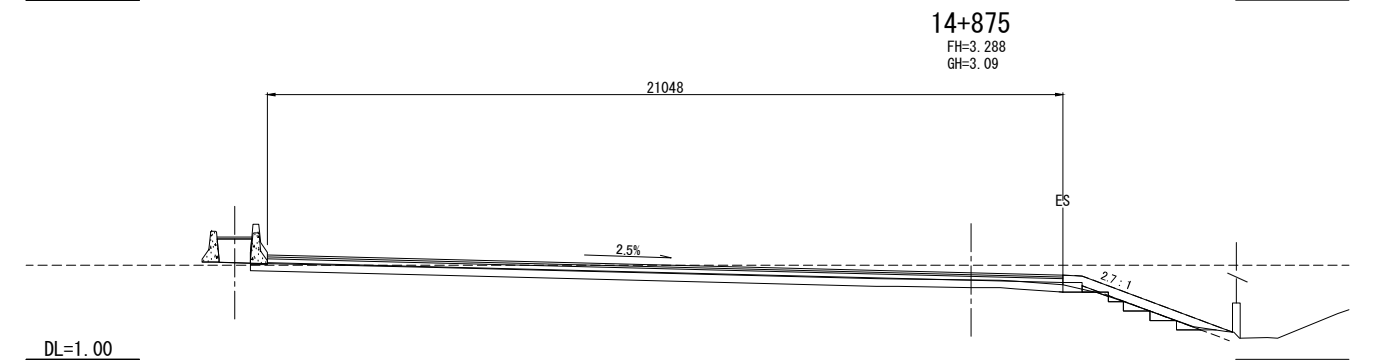
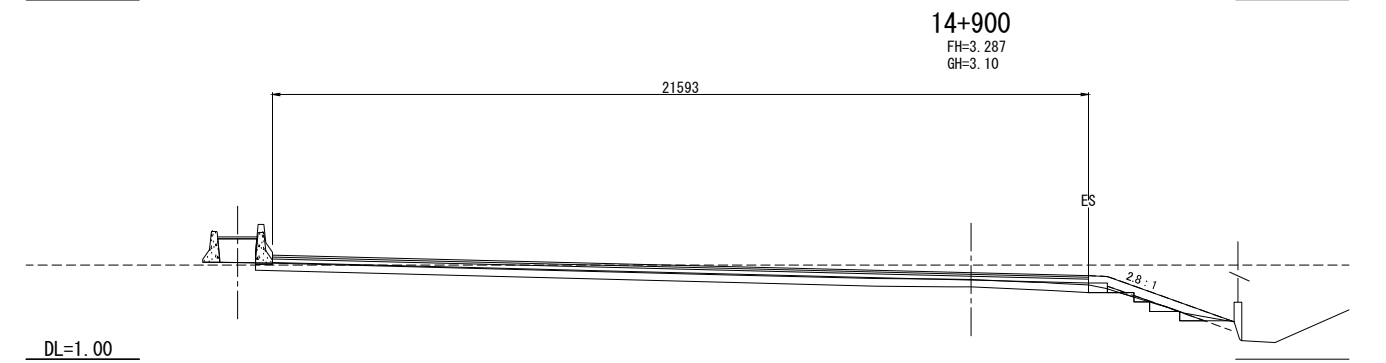
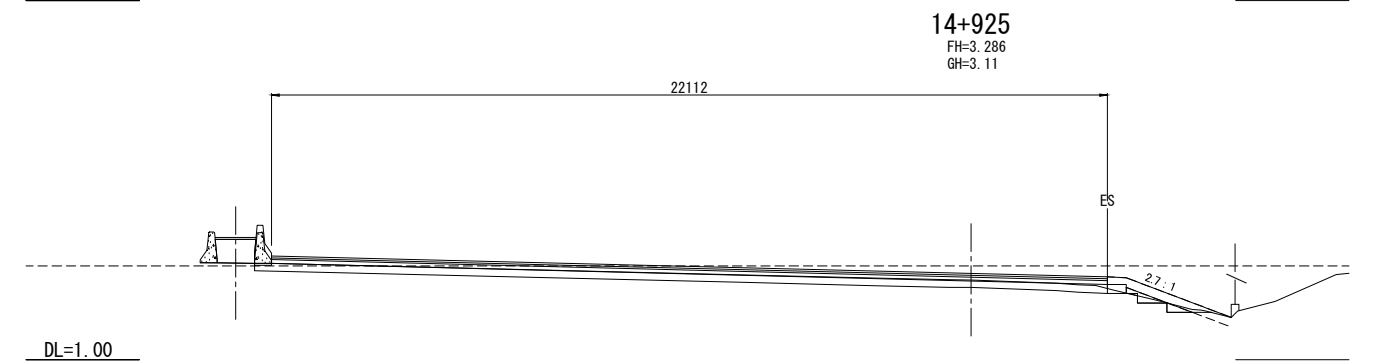
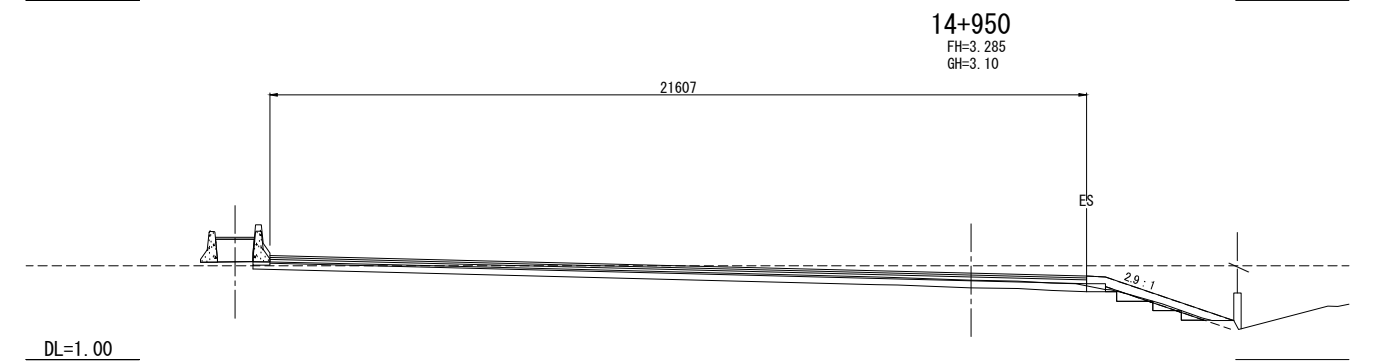
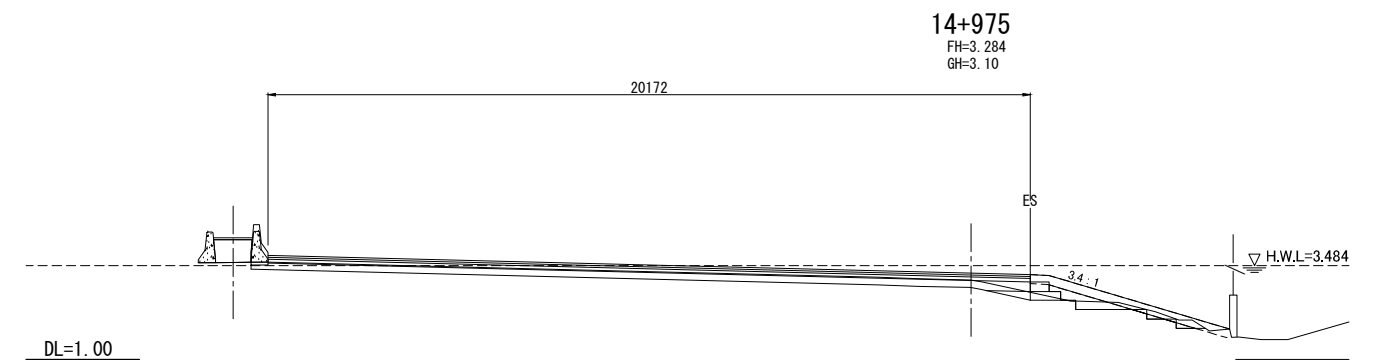
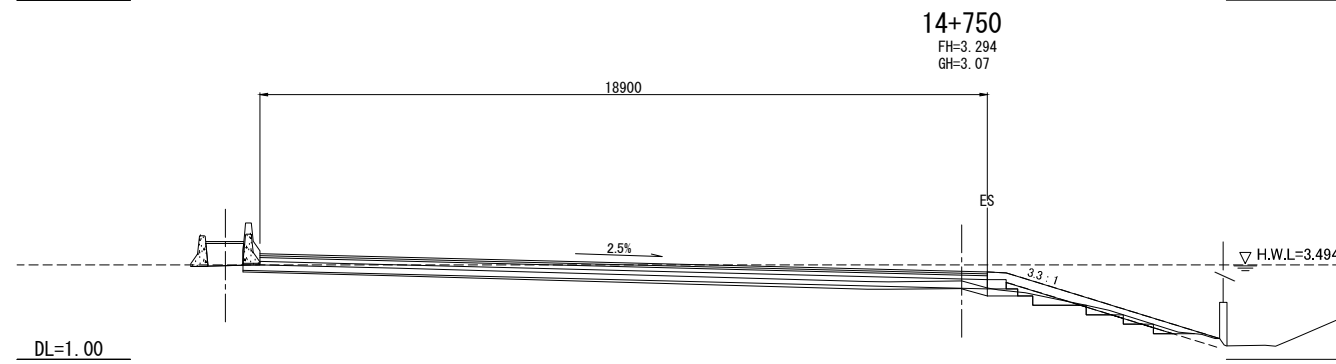
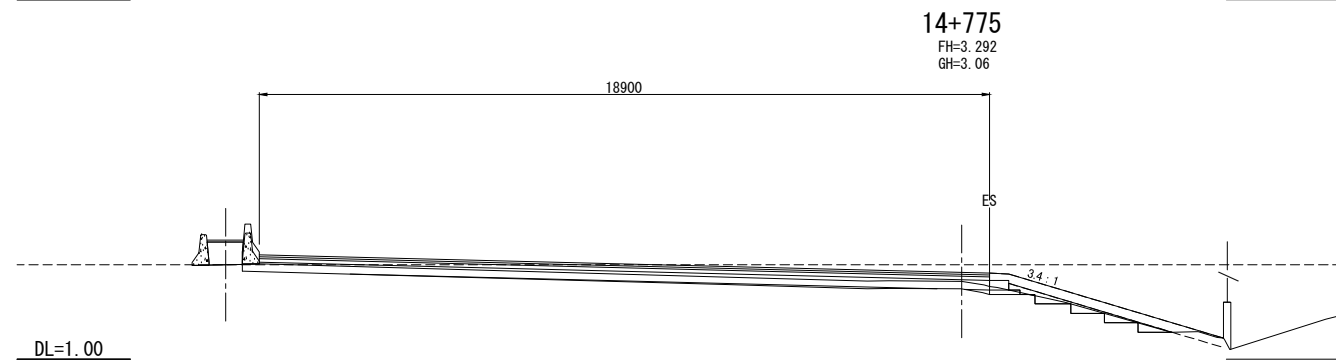
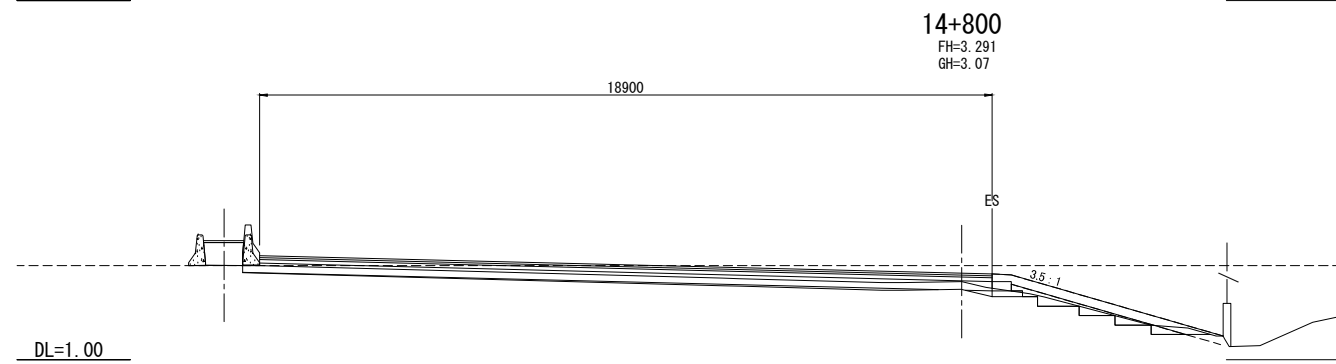
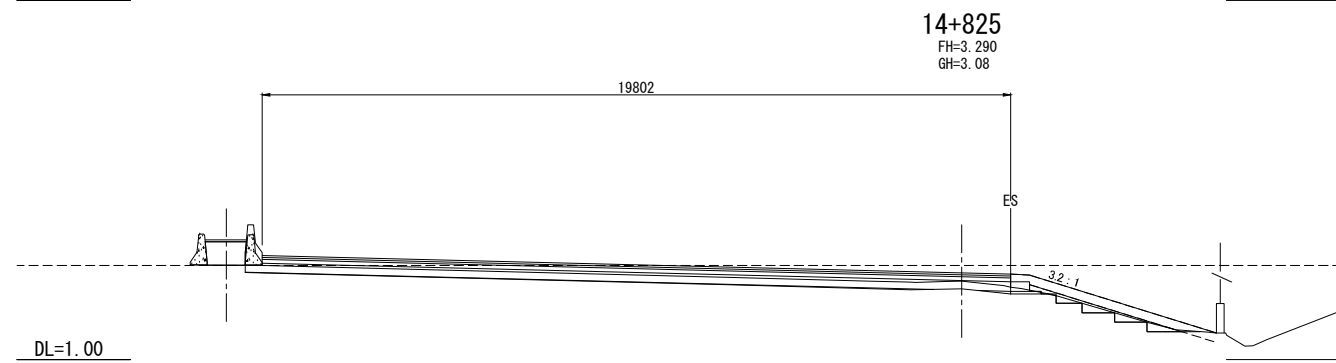
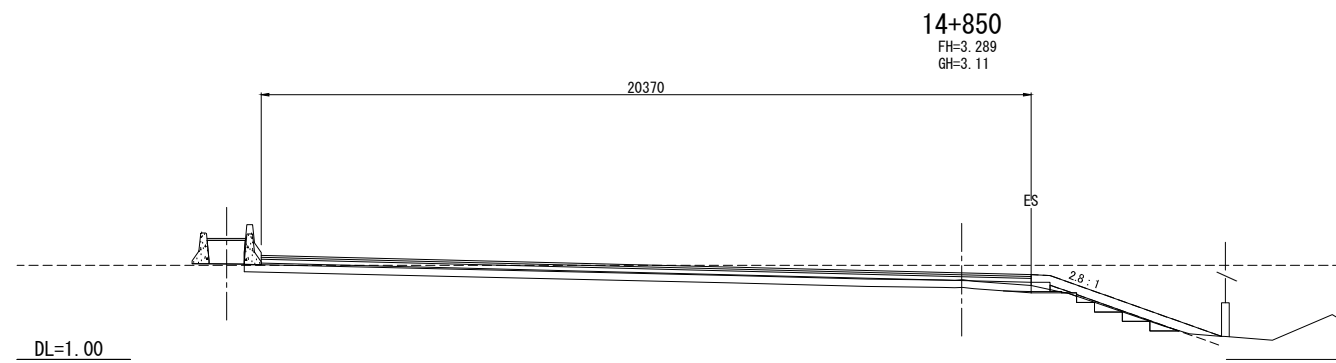


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (16 / 70) | | | | | DWG. NO. MW-67 | SHEET NO. 72 |

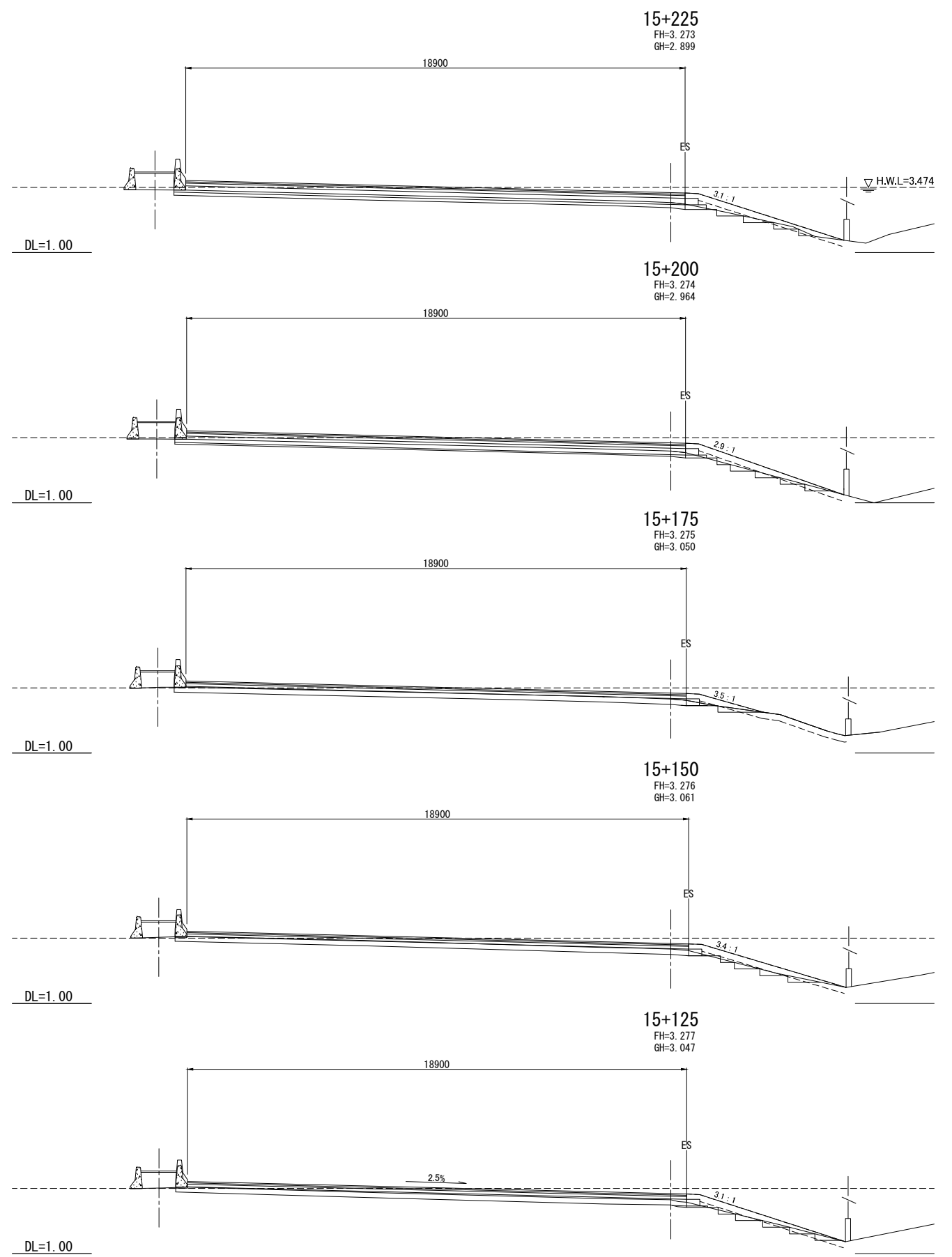
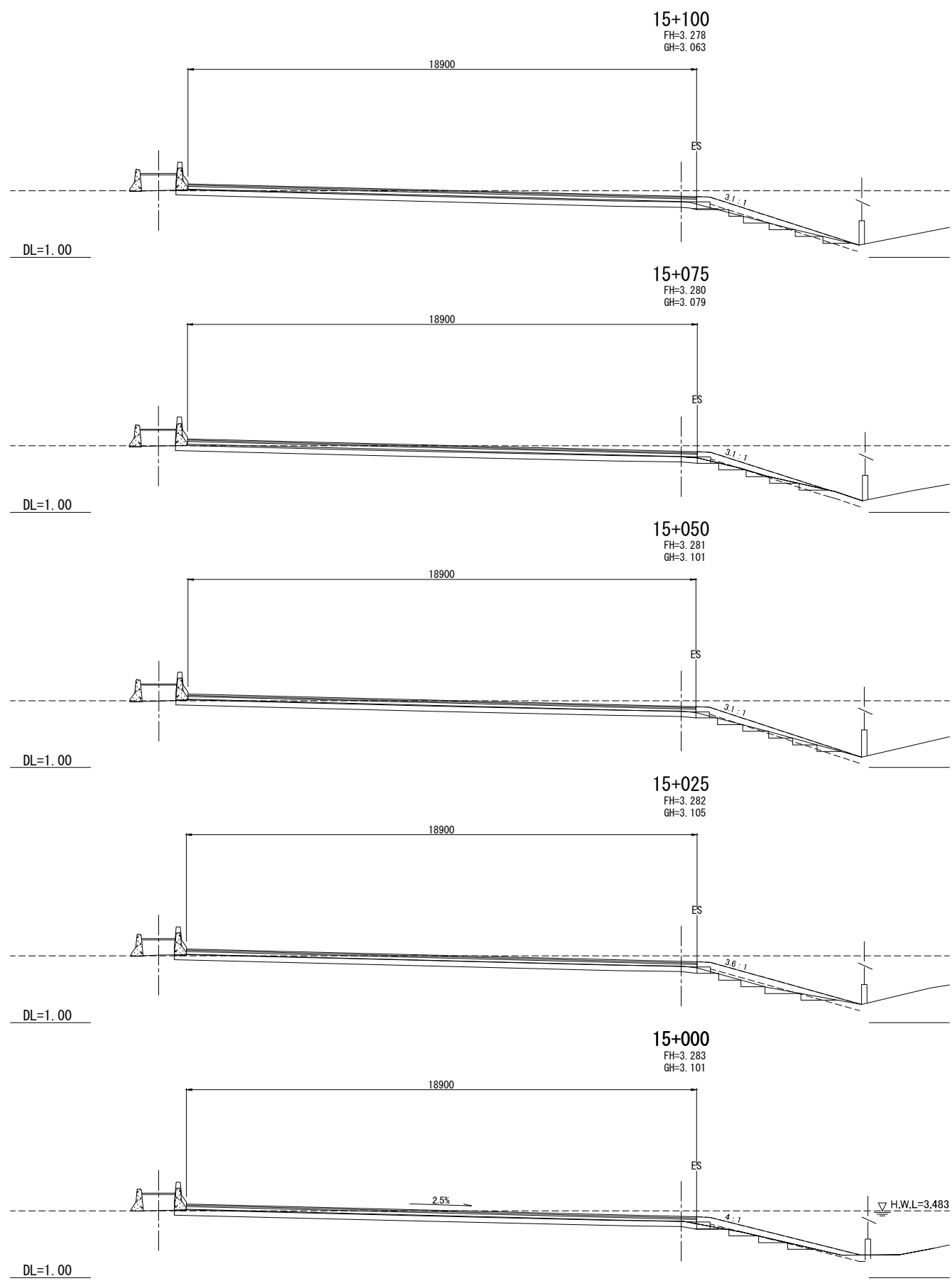
CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-68 | SHEET NO. 73 |

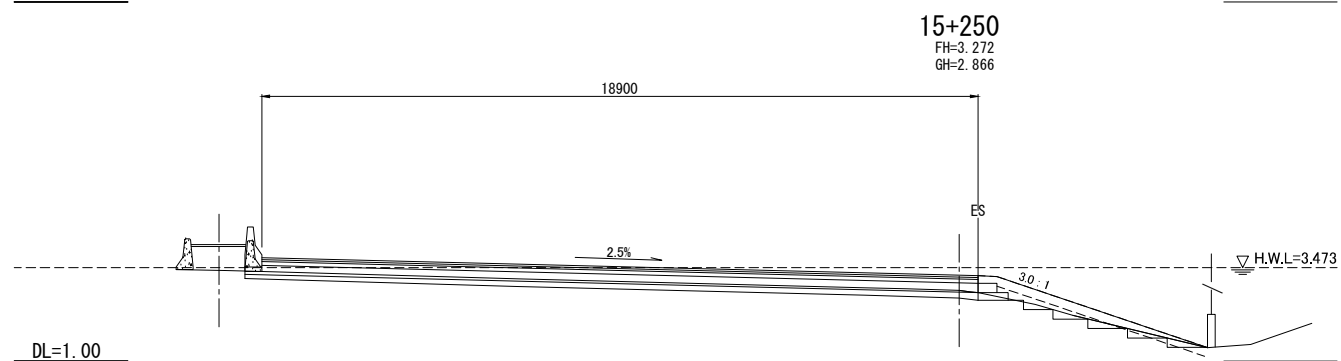
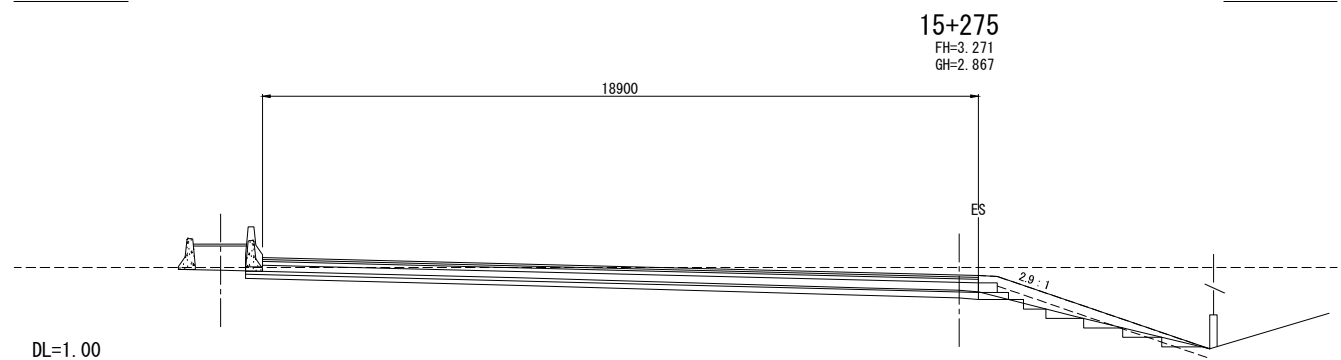
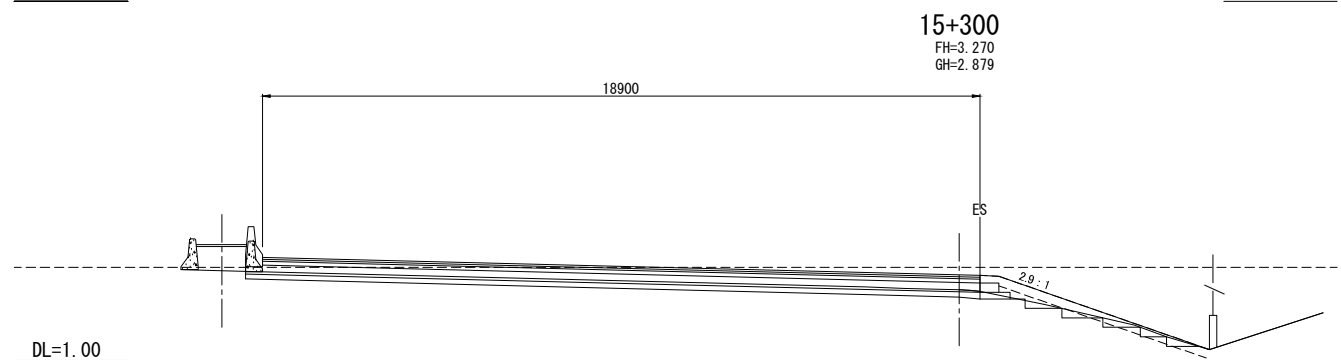
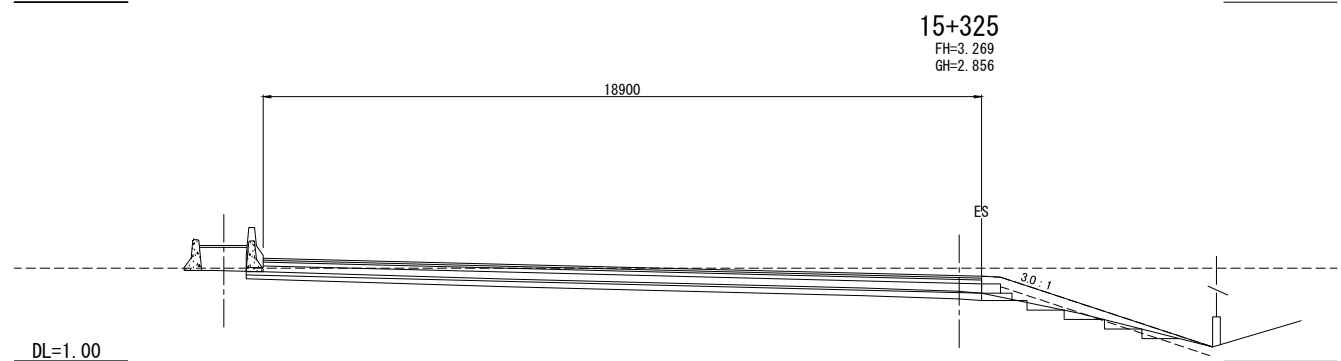
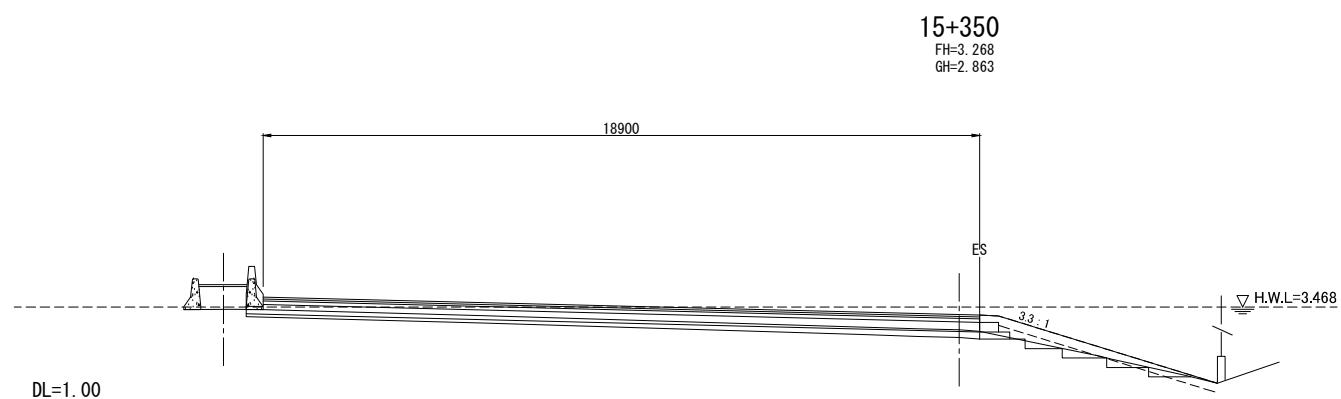


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (18 / 70) | | | | | DWG. NO. MW-69 | SHEET NO. 74 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 CROSS SECTIONS (19/70) | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|--|---|---|--------------------------|------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-70 | SHEET NO. 75 |

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.



DL=1.00

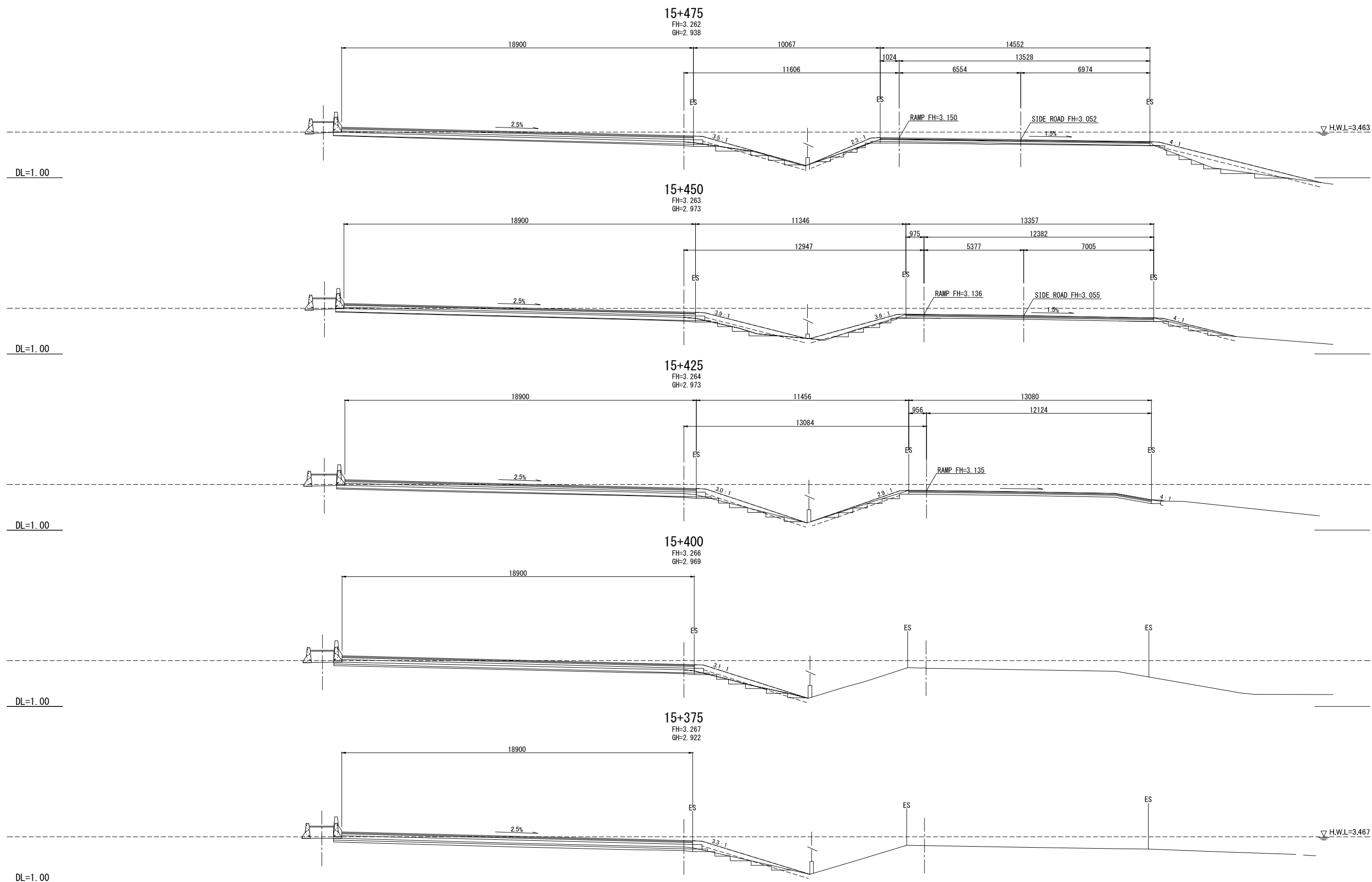
DL=1.00

DL=1.00

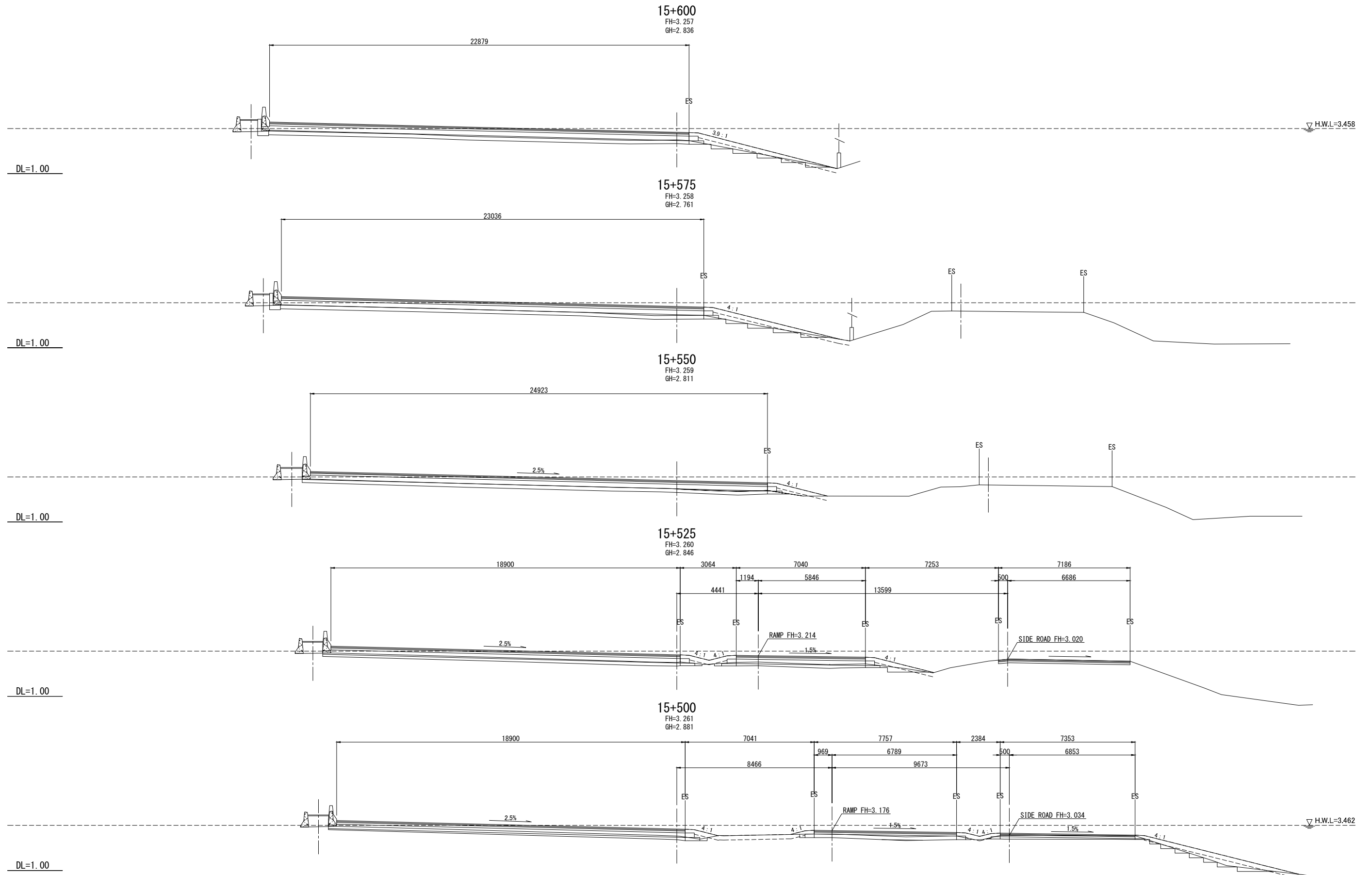
DL=1.00






DL=1.00

| | | | | | | | | | | | | | | |
|----------|-------------|--------------------------|---------------------|----------|-------------|--|---------------------|-----------------------------|--|---|---|----------------------------------|-----------------------------------|-----------------|
| REV. NO. | DESCRIPTION | ENGINEER CHECKED DATE | DOH CHECKED DATE | REV. NO. | APPROVED BY | | HIGHWAY ROUTE NO. 9 | OWNER | PROJECT TITLE | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
| | | | | | | | | CROSS SECTIONS (20 / 70) | The Inter-City Motorways Division Department of Highways Ministry of Transport | | The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 |
| | | | | | | | | | | | | | DWG. NO. MW-71 | SHEET NO. 76 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-72 | SHEET NO. 77 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY |  KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER | PROJECT TITLE |  CTI ENGINEERING INTERNATIONAL CO., LTD.  ORIENTAL CONSULTANTS CO., LTD.  NIPPON KOEI CO., LTD.  CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|---|--|---|---------------|---|----------------------------------|-----------------------------------|--------------------------|------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | CROSS SECTIONS (22 / 70) | The Inter-City Motorways Division Department of Highways Ministry of Transport | The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | | | | | DWG. NO. MW-73 | SHEET NO. 78 |

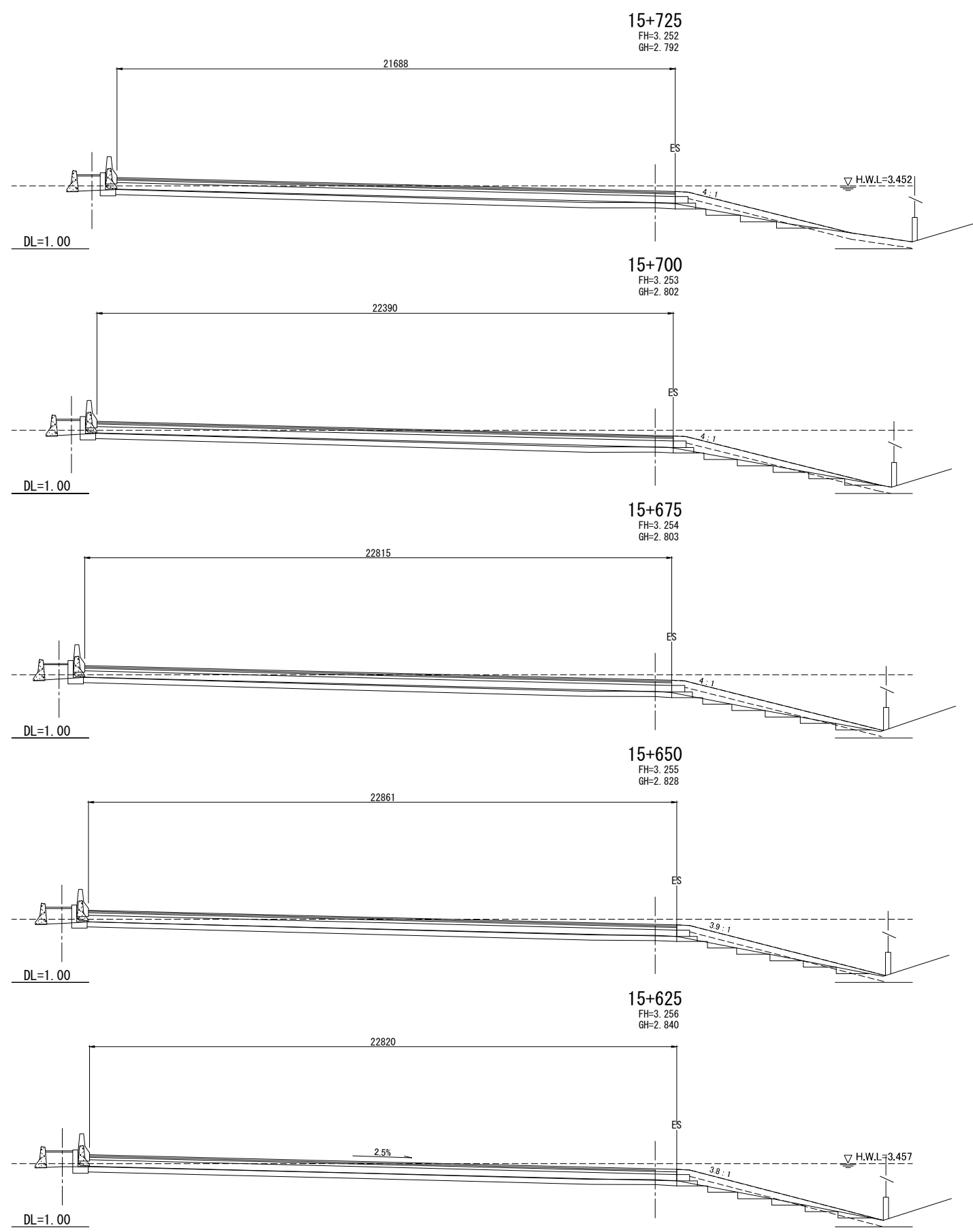
DL=1.00

DL=1.00

DL=1.00

DL=1.00

DL=1.00



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY |
|----------|-------------|----------|------|---------|------|----------|-------------|
| | | CHECKED | DATE | CHECKED | DATE | | |
| | | | | | | | |



HIGHWAY ROUTE NO. 9
CROSS SECTIONS
 (23 / 70)

OWNER
 The Inter-City Motorways Division
 Department of Highways
 Ministry of Transport

PROJECT TITLE
 The Preparatory Survey on
 the Rehabilitation Project of
 the Outer Bangkok Ring Road

CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.

DESIGNED BY
 SAGARA Hidetaka
 ROAD ENGINEER

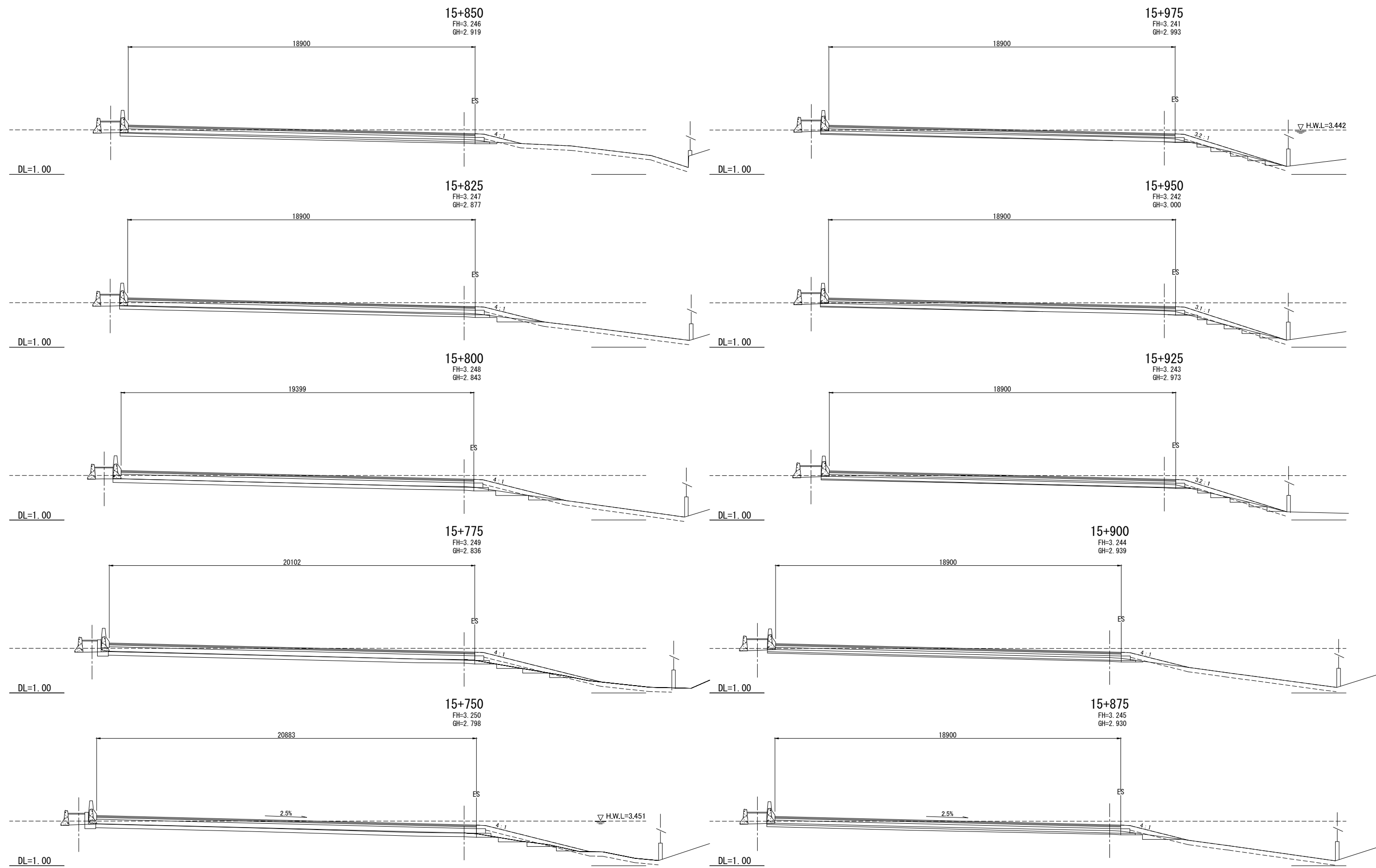
CHECKED BY
 WATANABE Ryohei
 CHIEF ENGINEER

DATE :
 AUGUST 2012

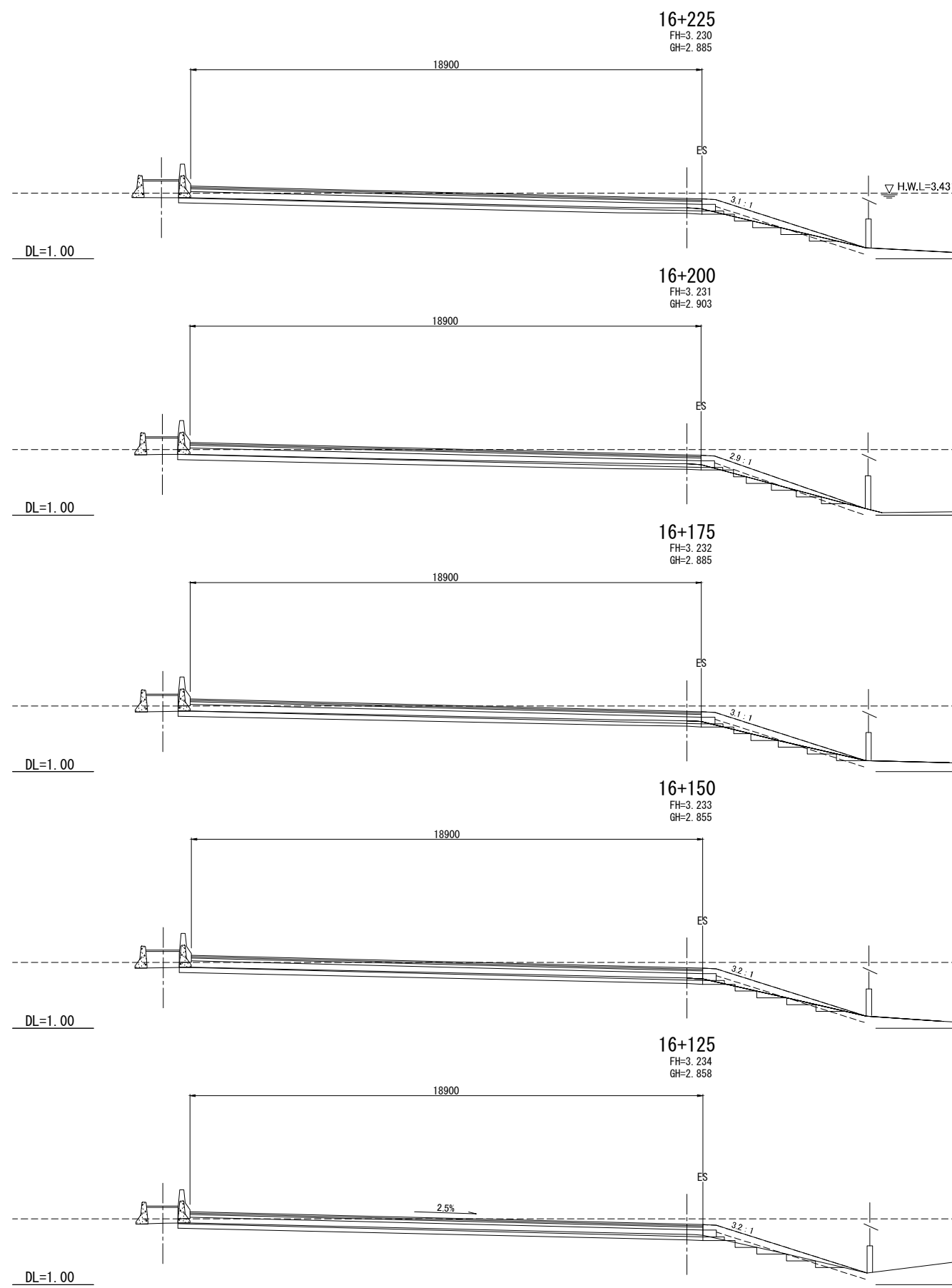
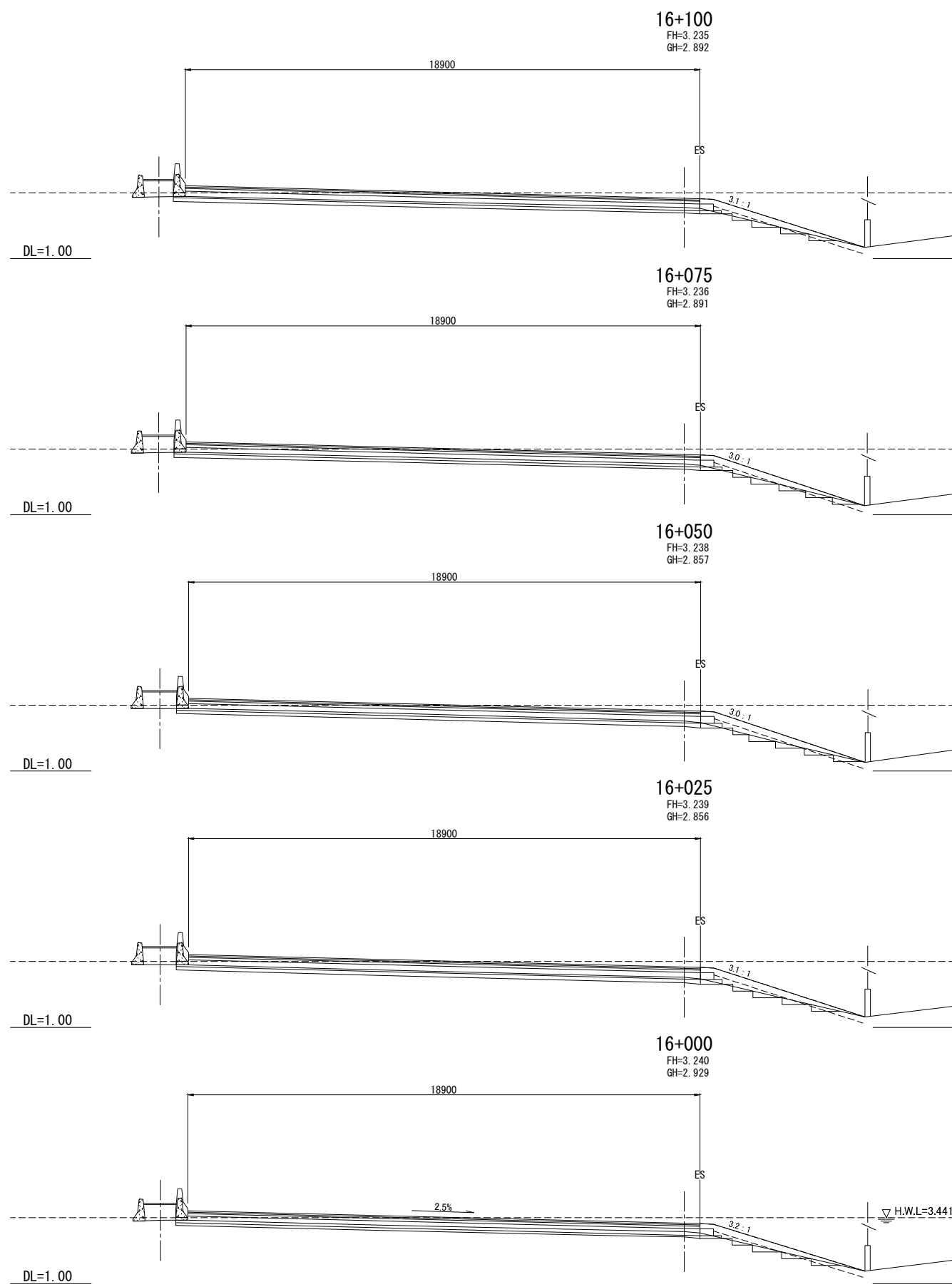
DWG. NO.
MW-74

SCALE :
 SCALE 1:100

SHEET NO.
79



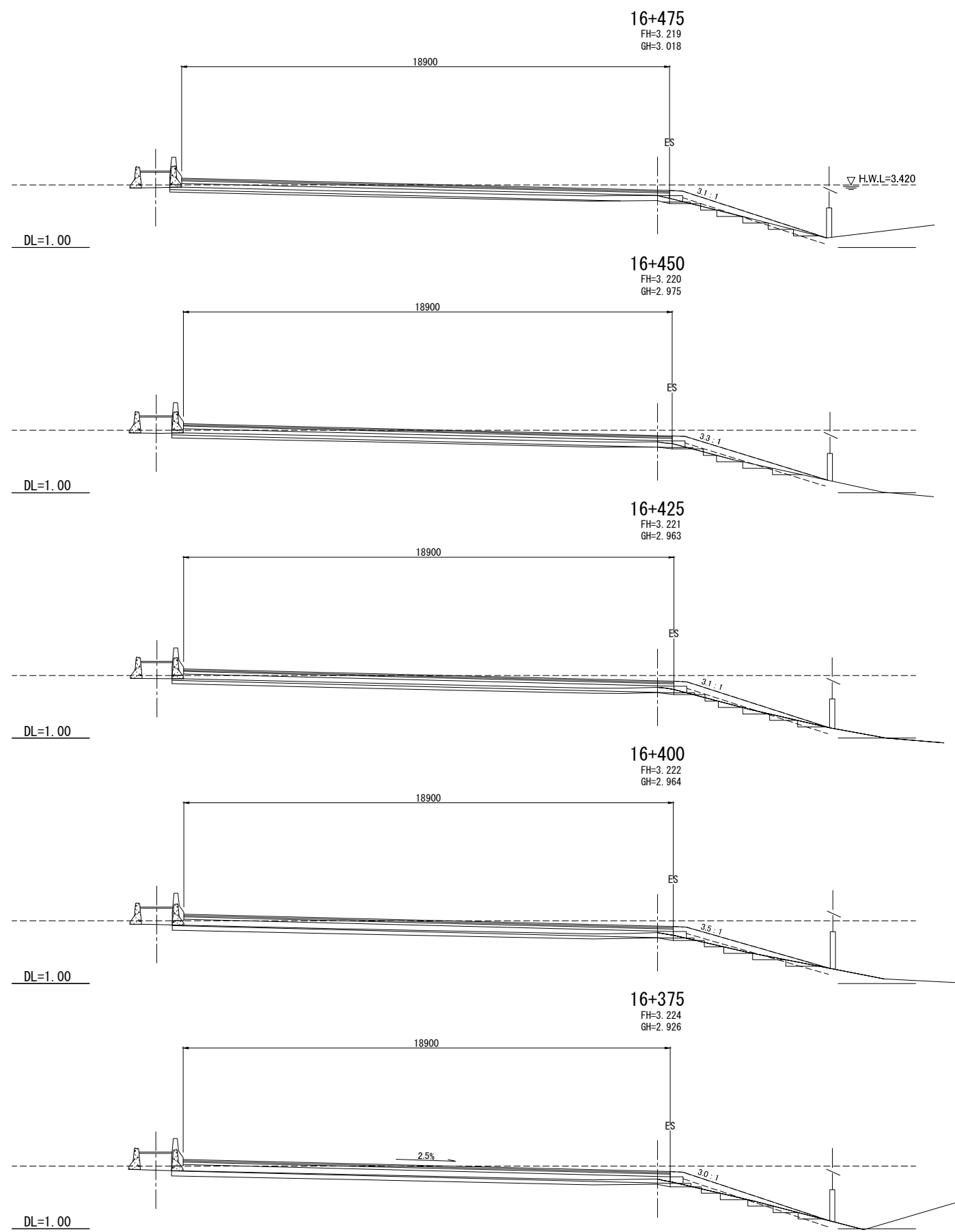
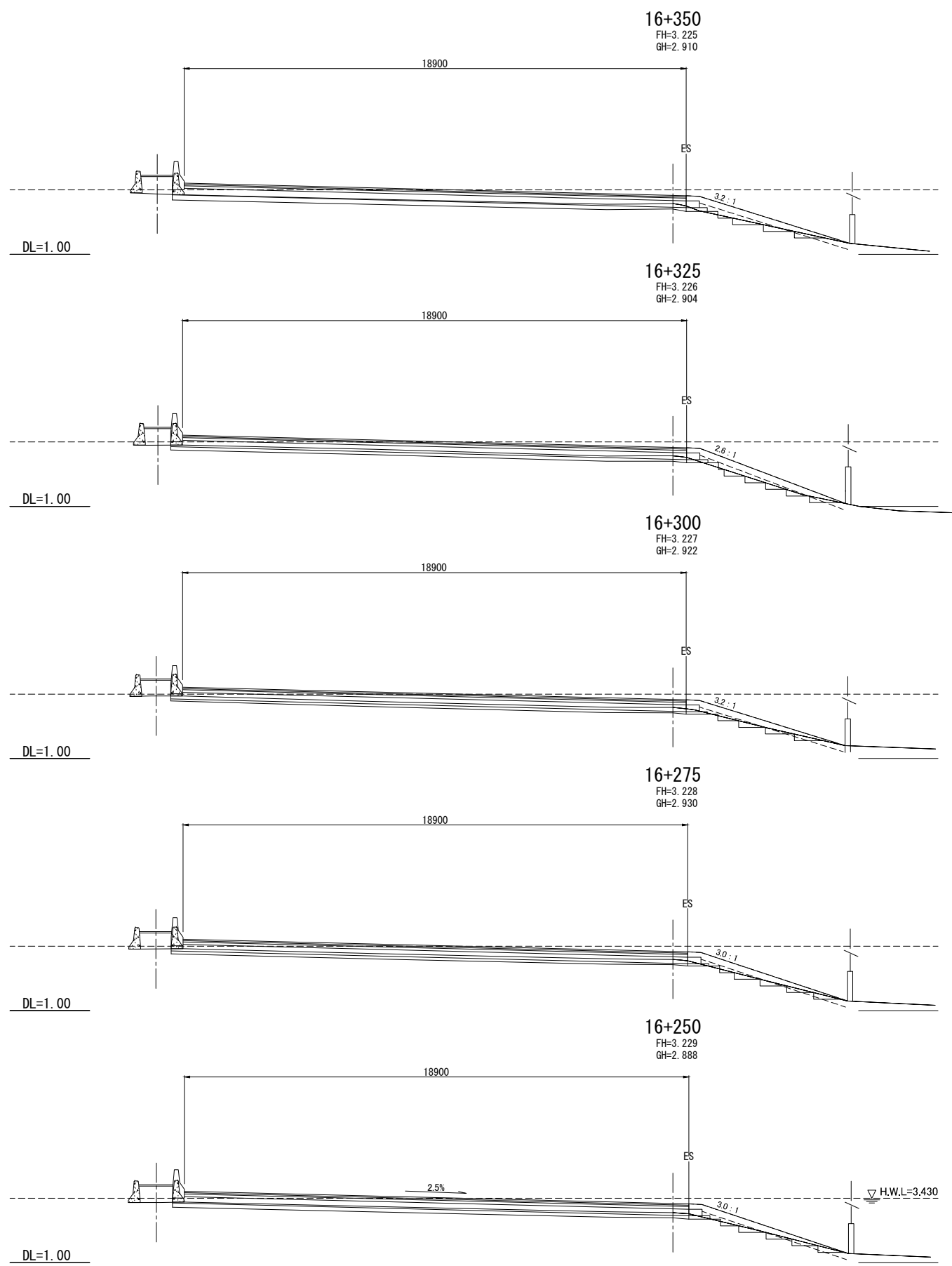
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-75 | SHEET NO. 80 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-76 | SHEET NO. 81 |

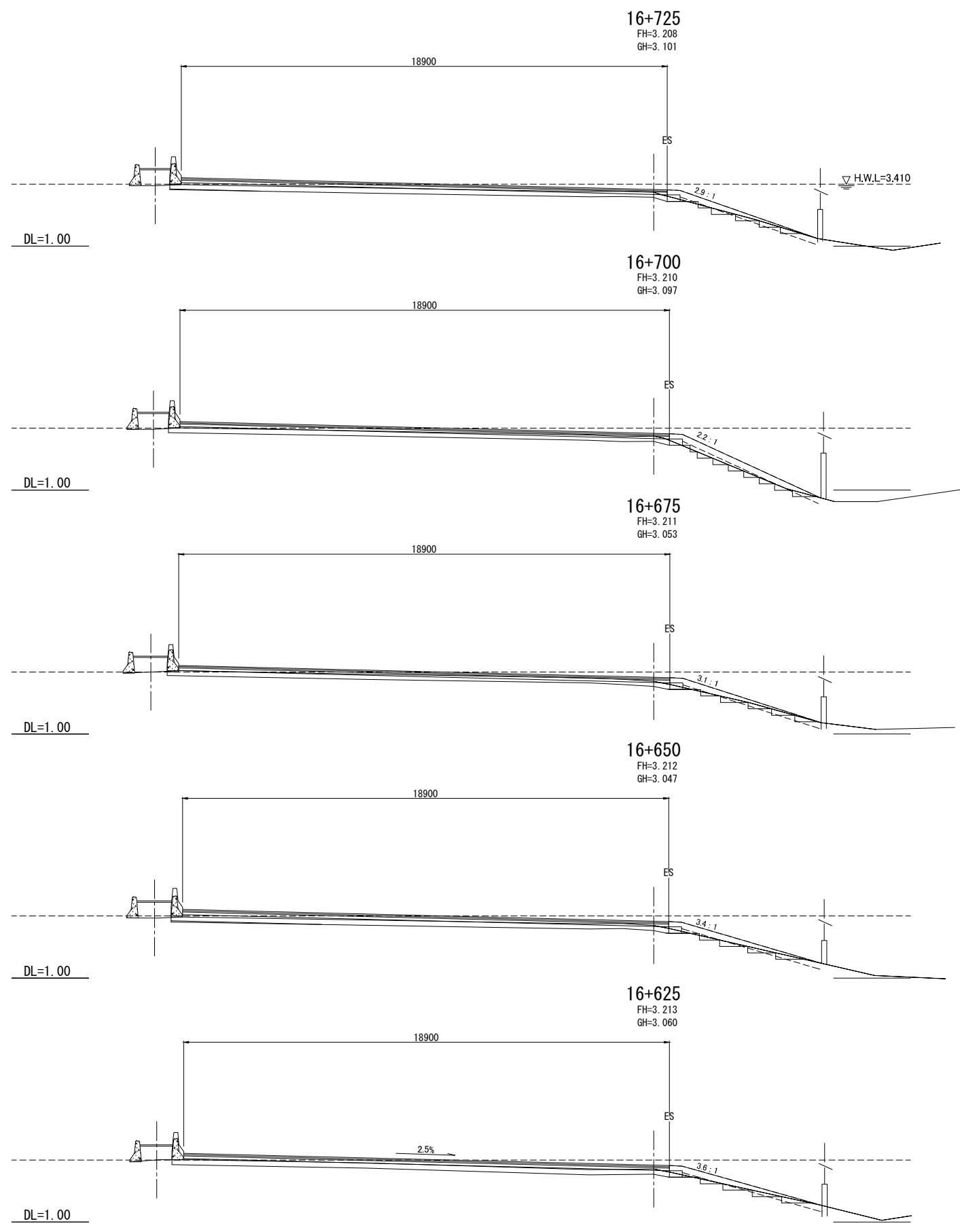
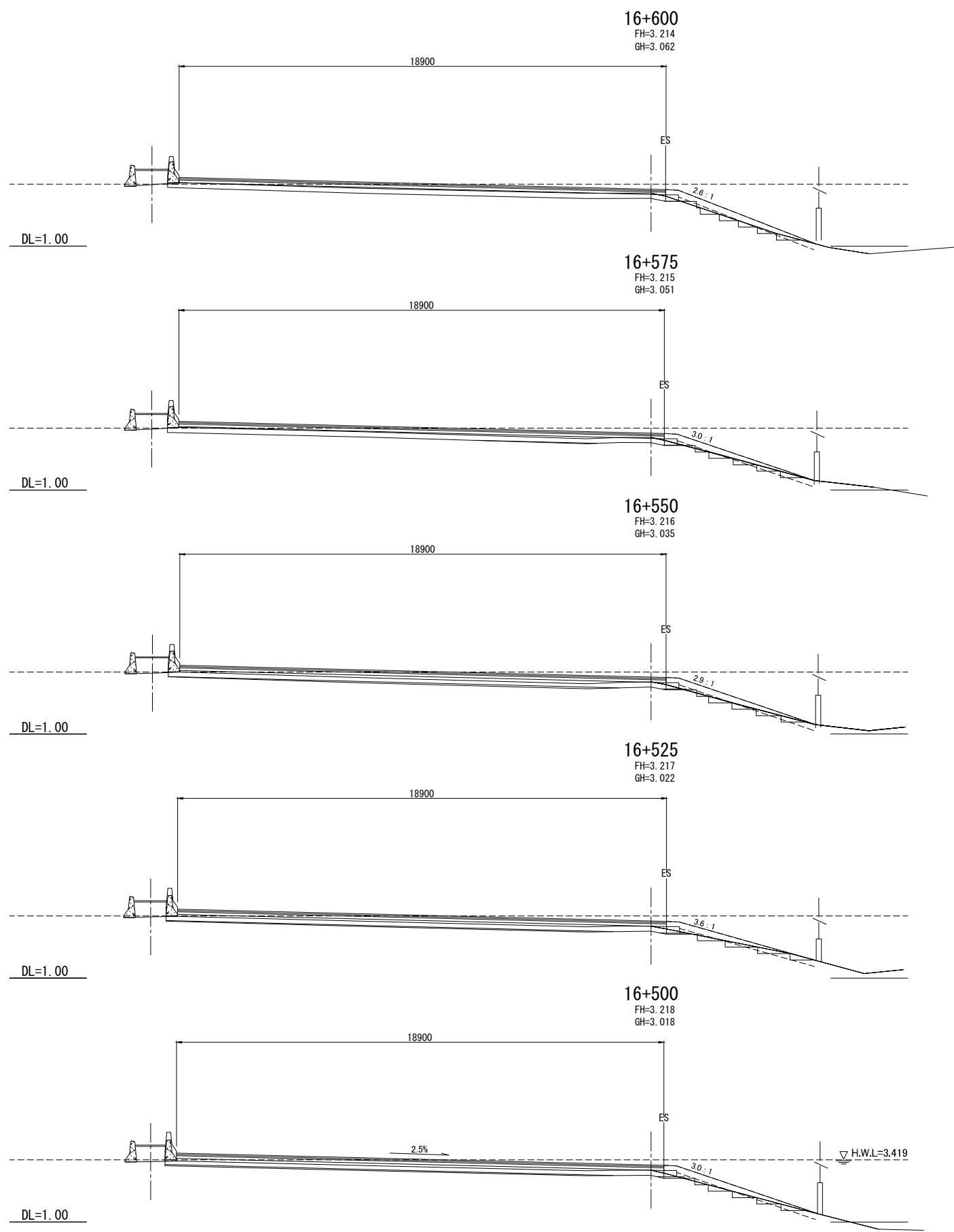


CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.



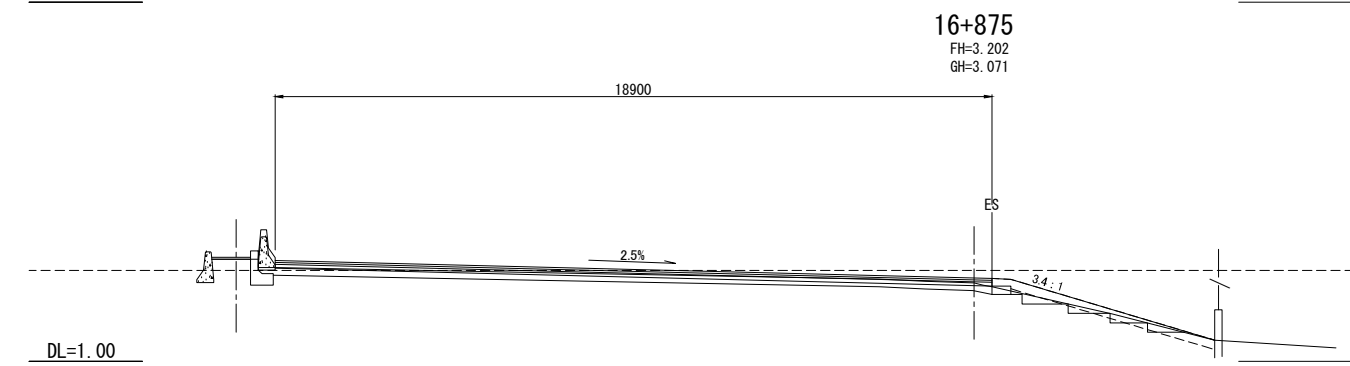
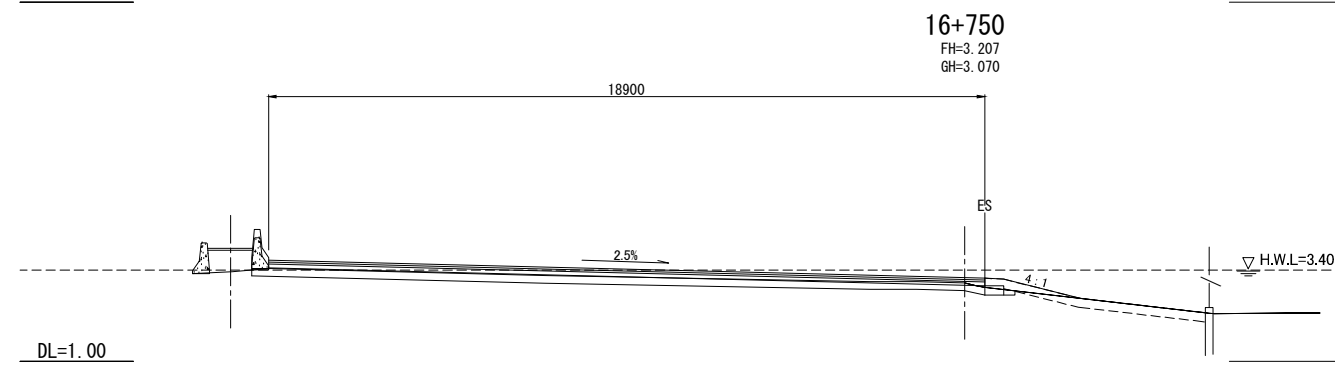
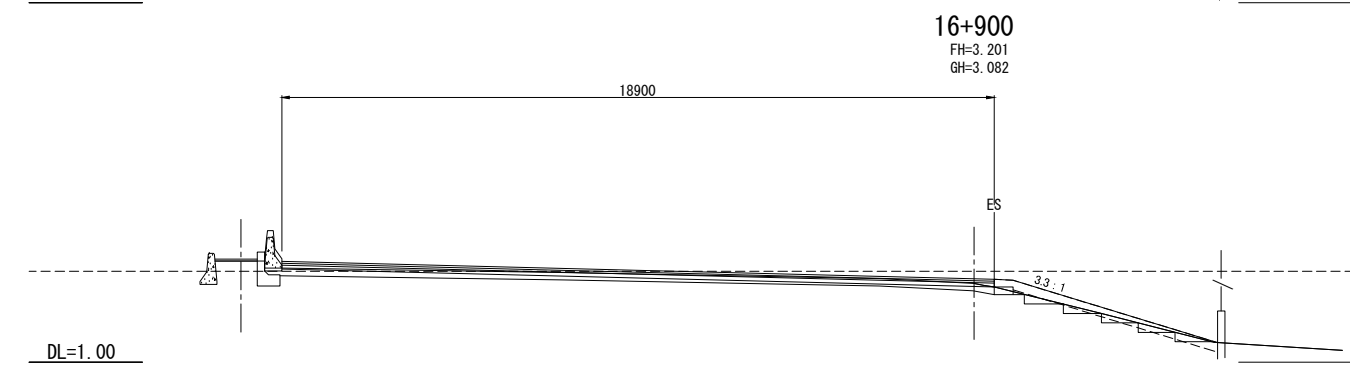
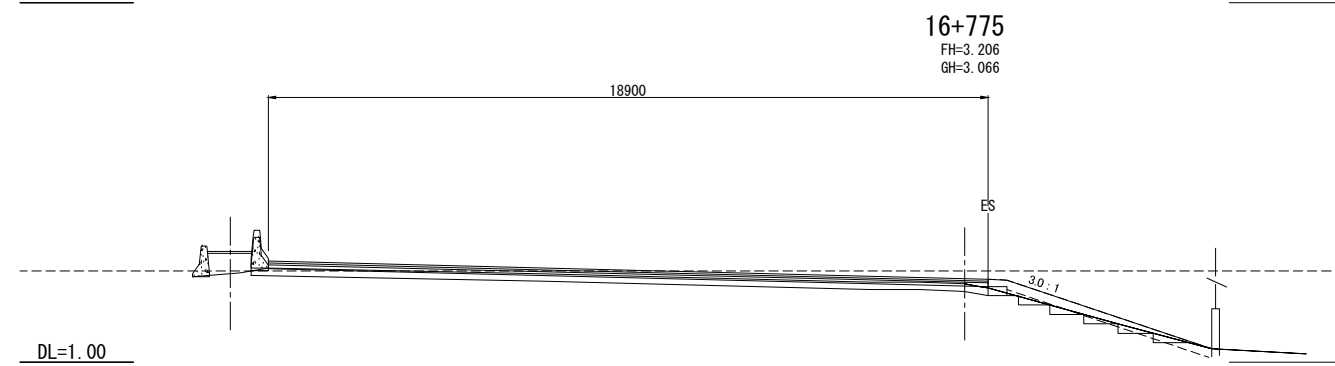
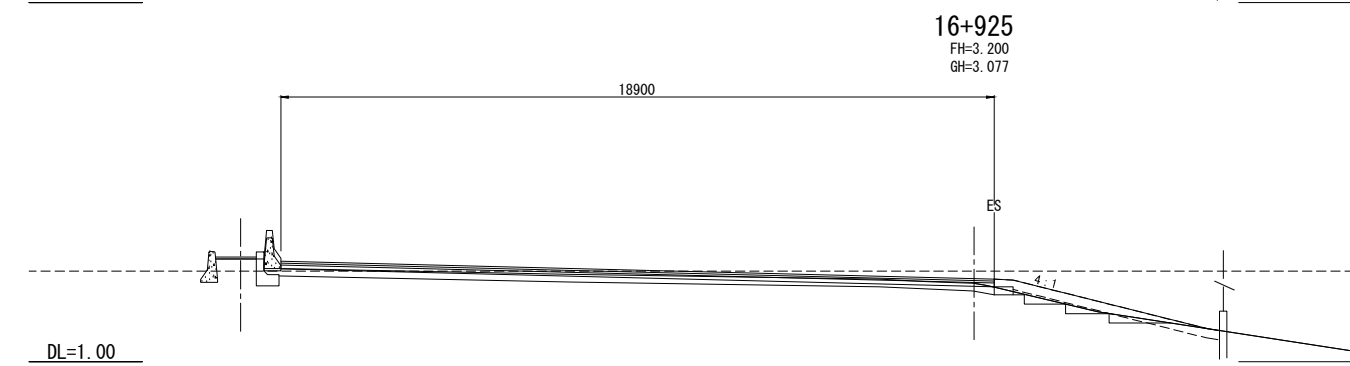
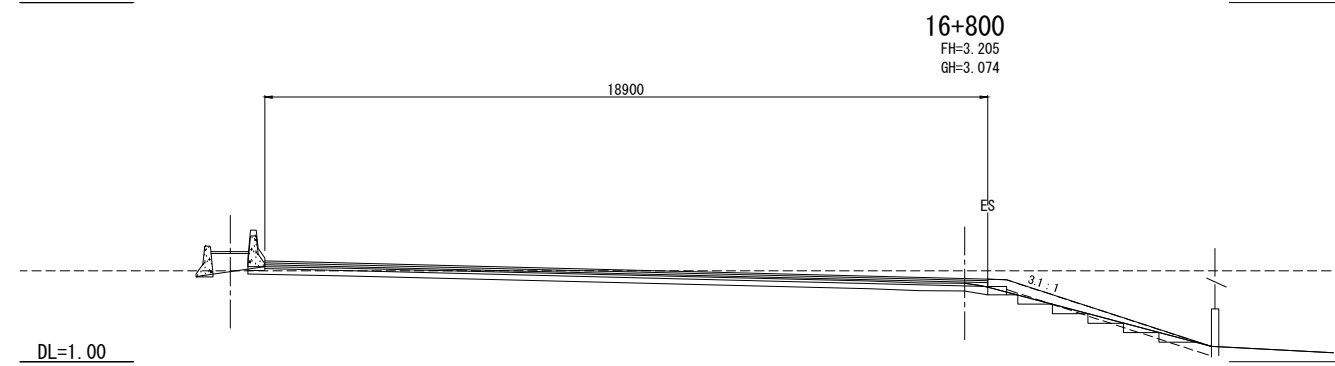
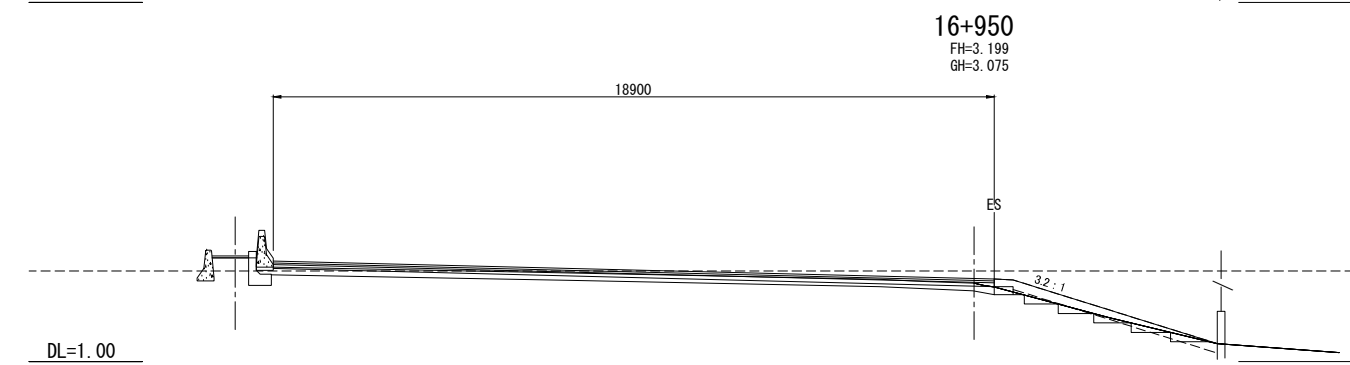
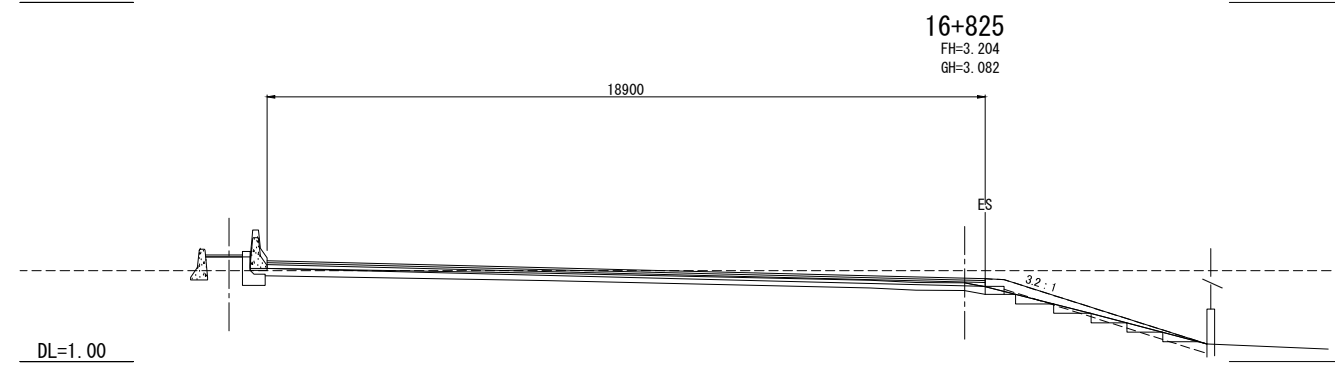
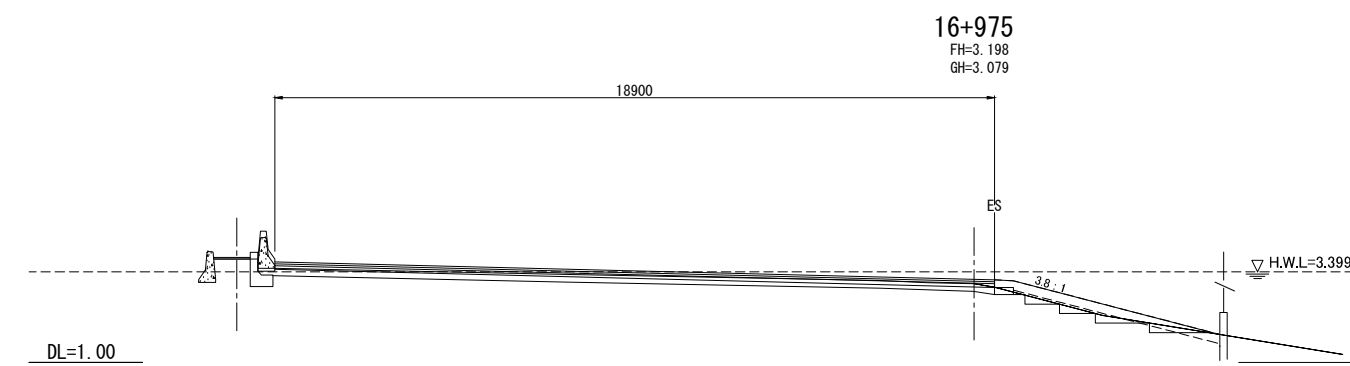
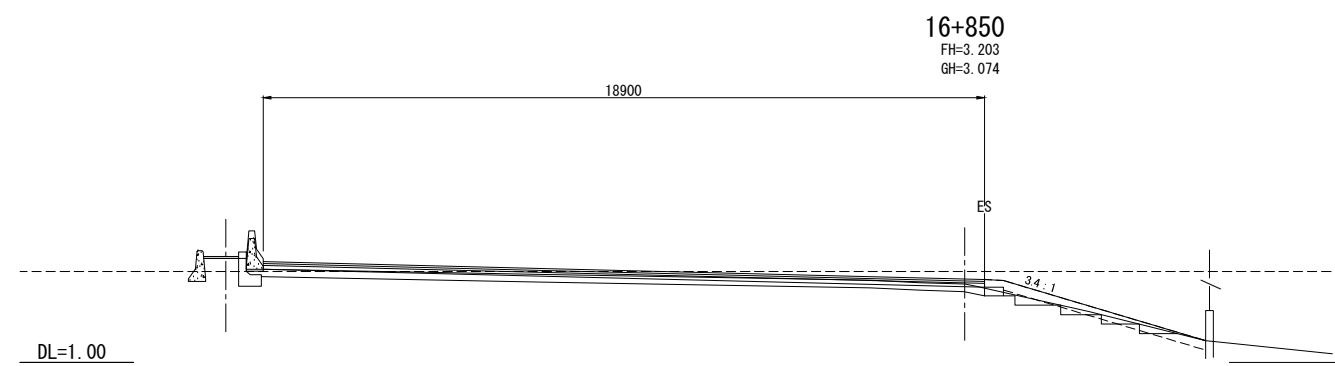
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 CROSS SECTIONS (26 / 70) | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-77 | SHEET NO. 82 |

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

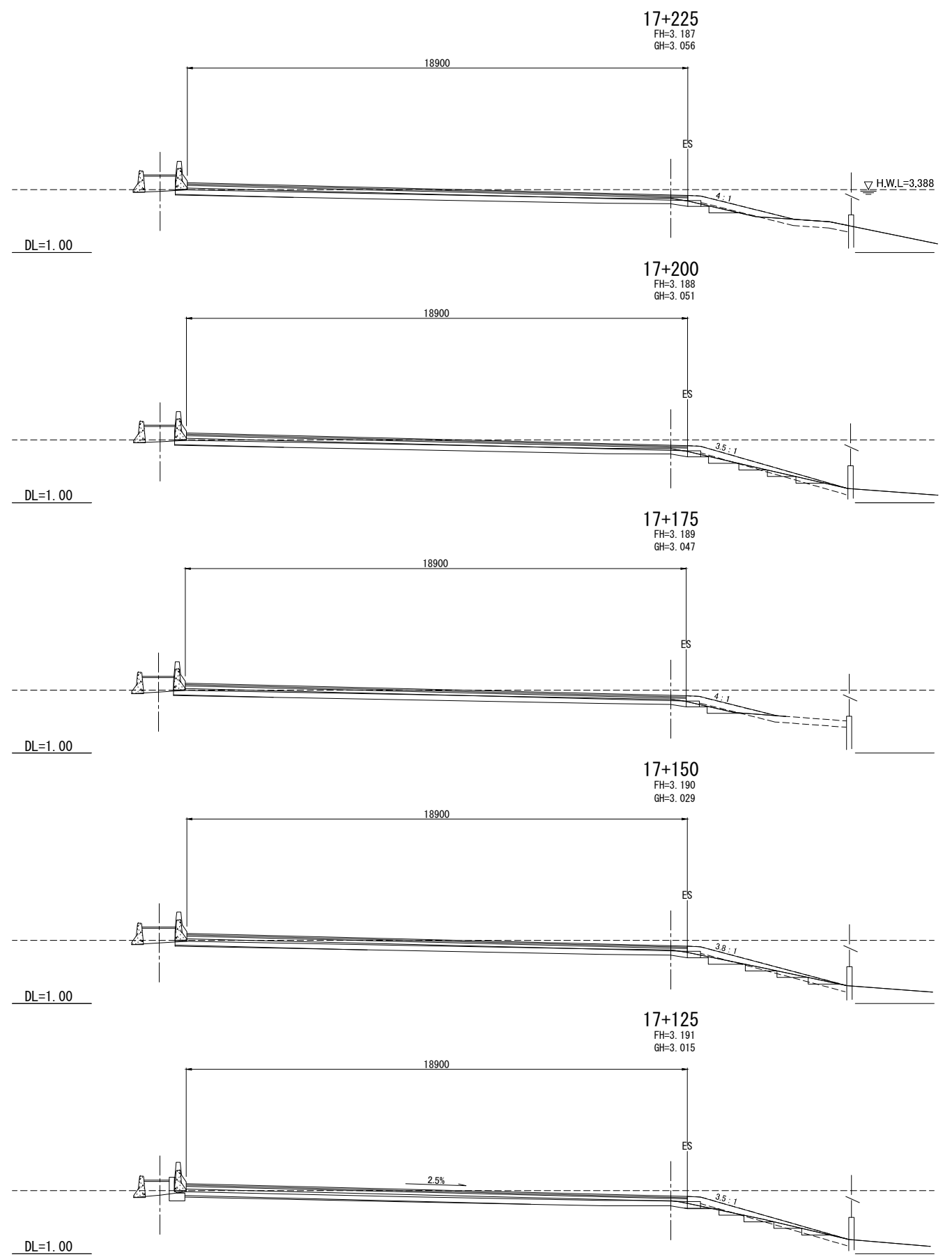
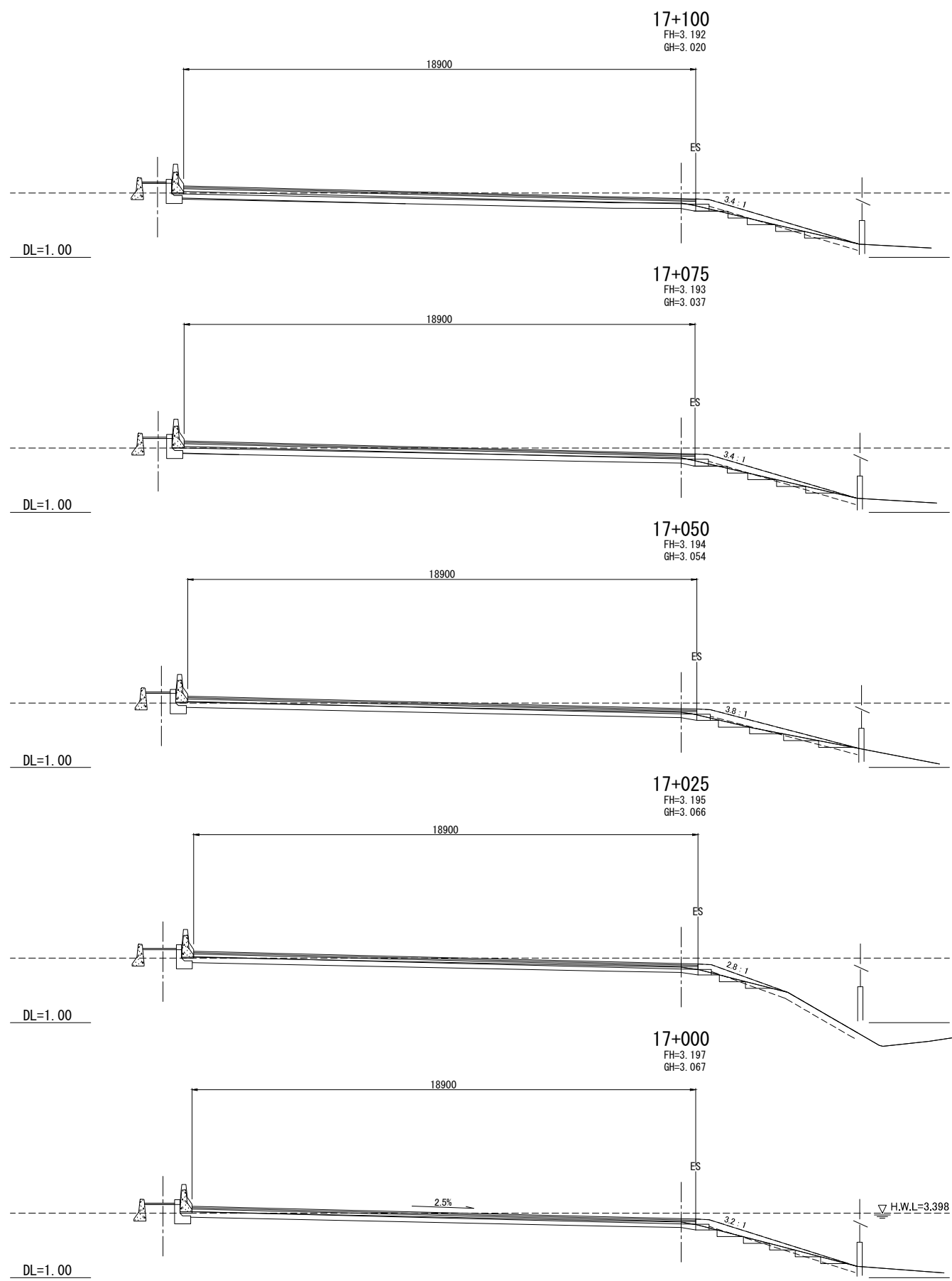


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------------|------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-78 | SHEET NO. 83 |

CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



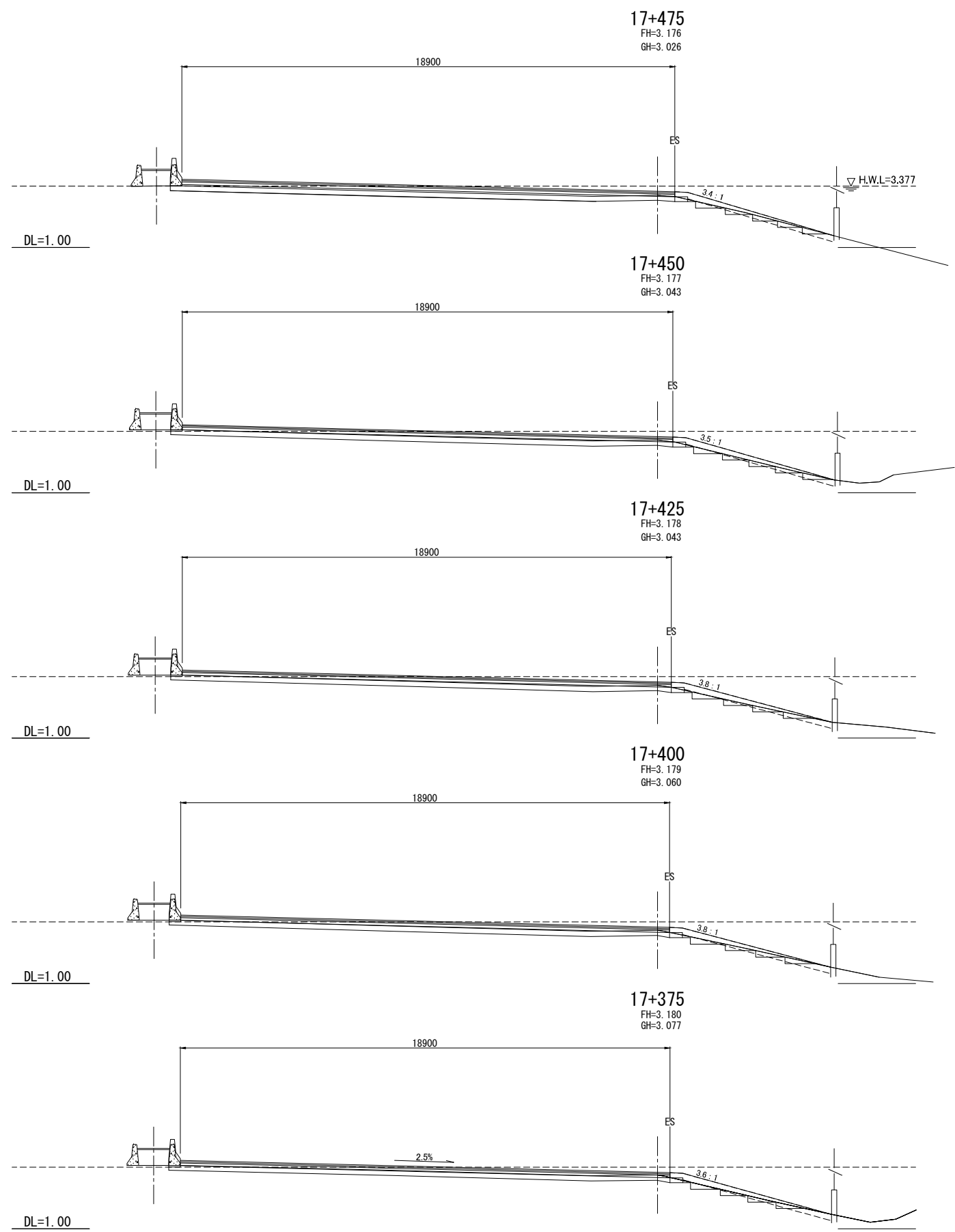
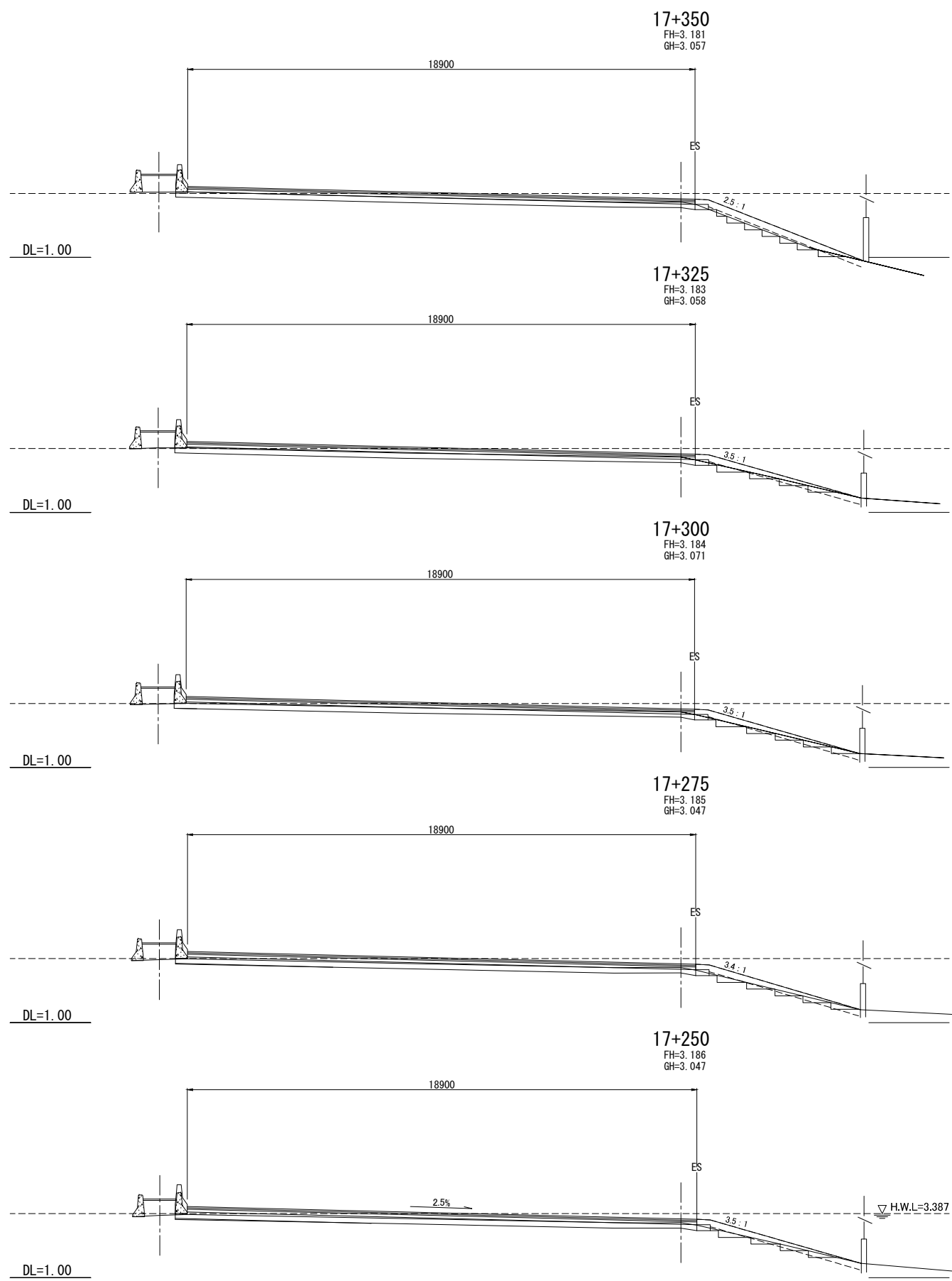
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-79 | SHEET NO. 84 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (29 / 70) | | | | | DWG. NO. MW-80 | SHEET NO. 85 |

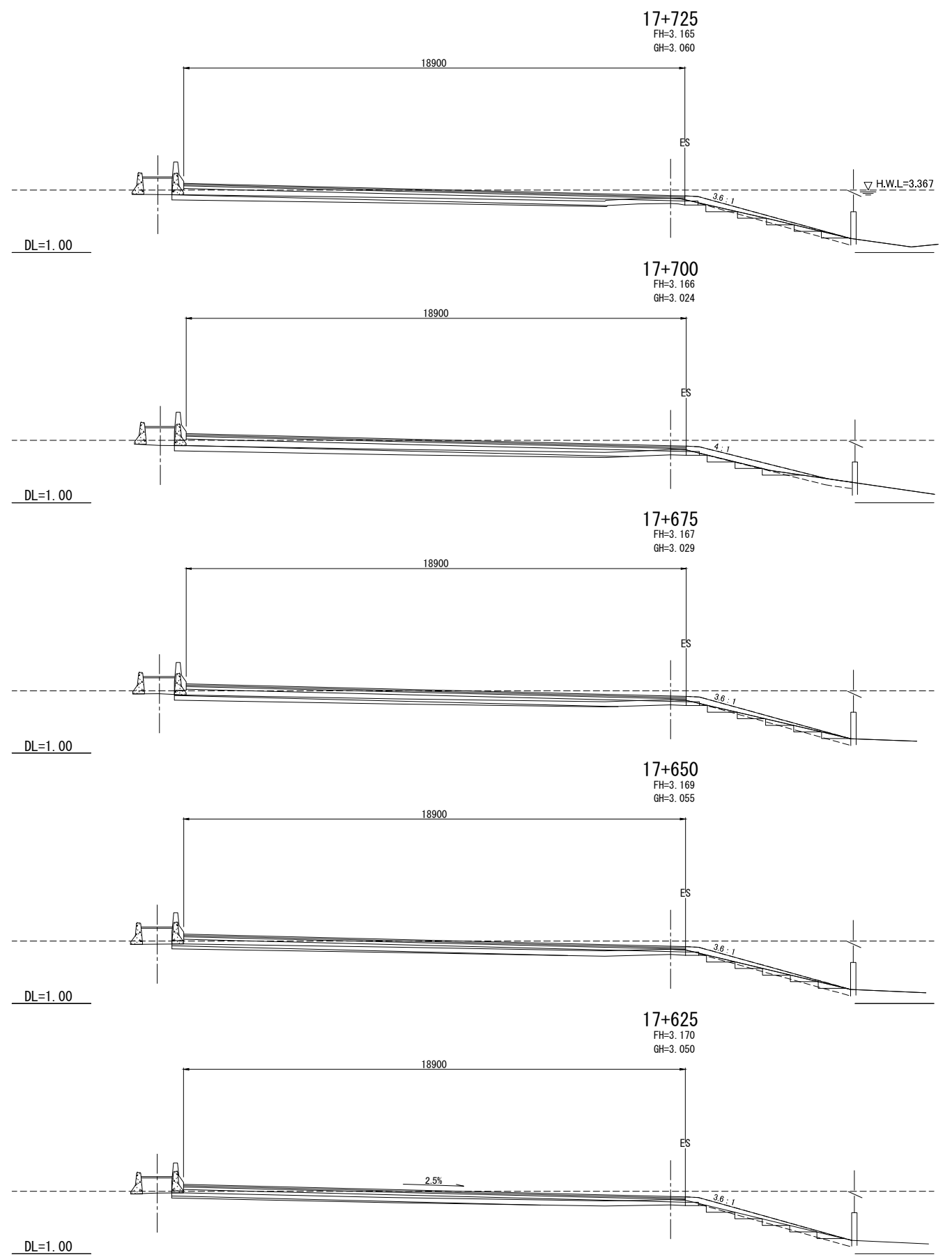
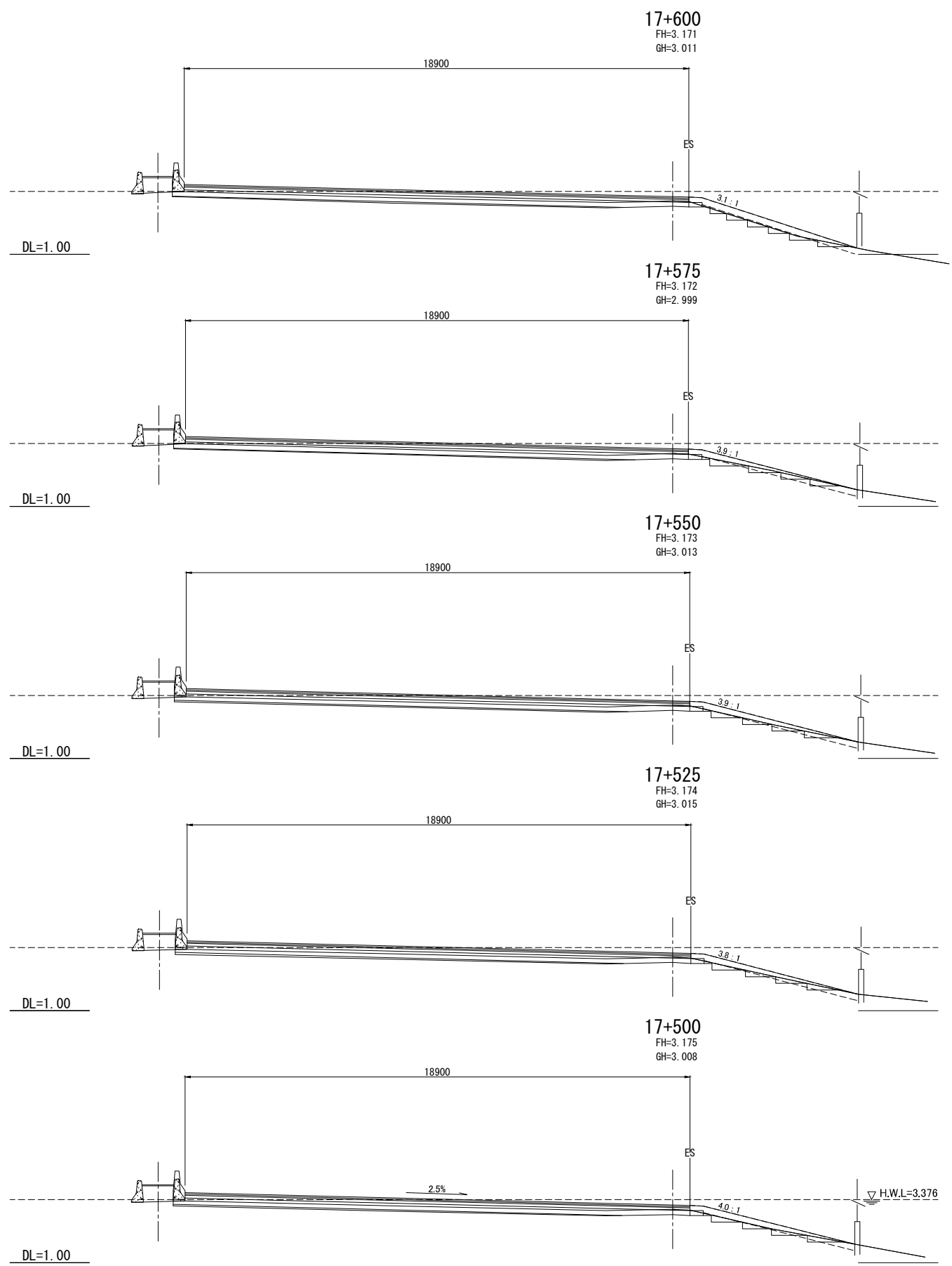


CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.



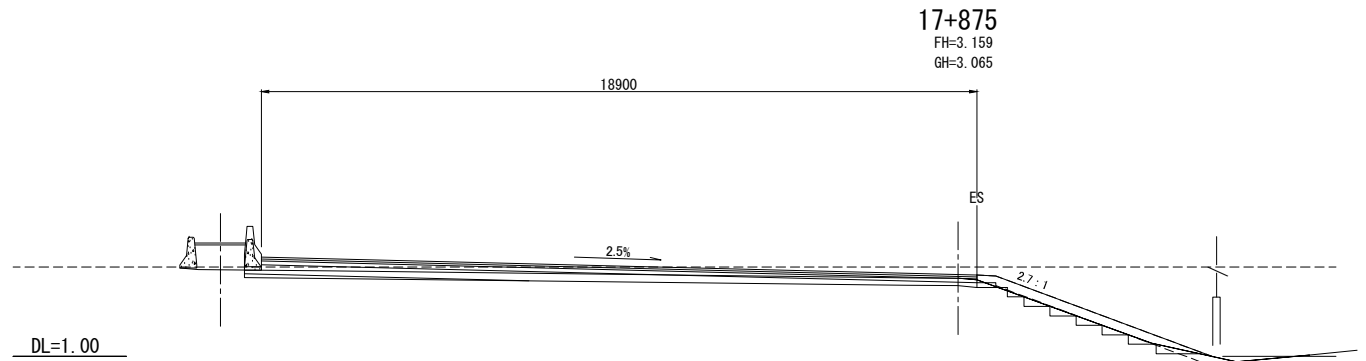
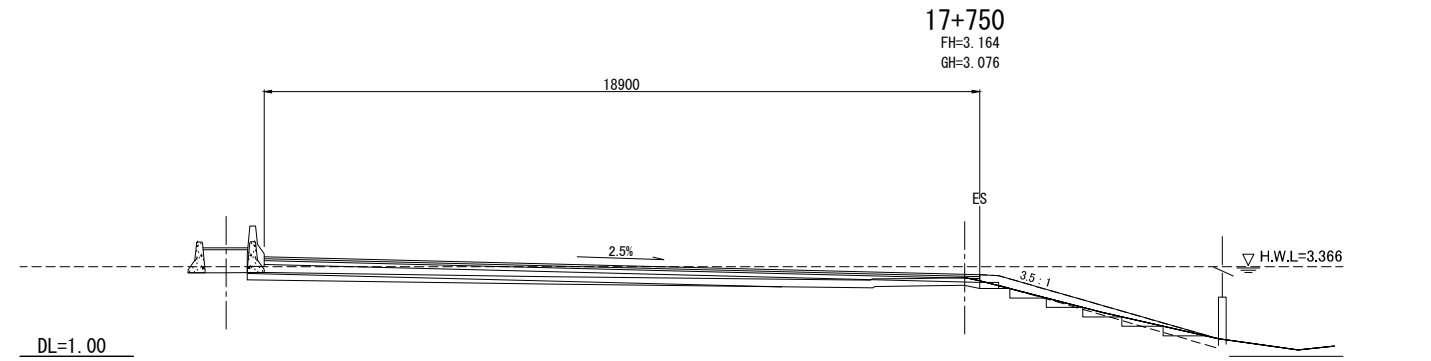
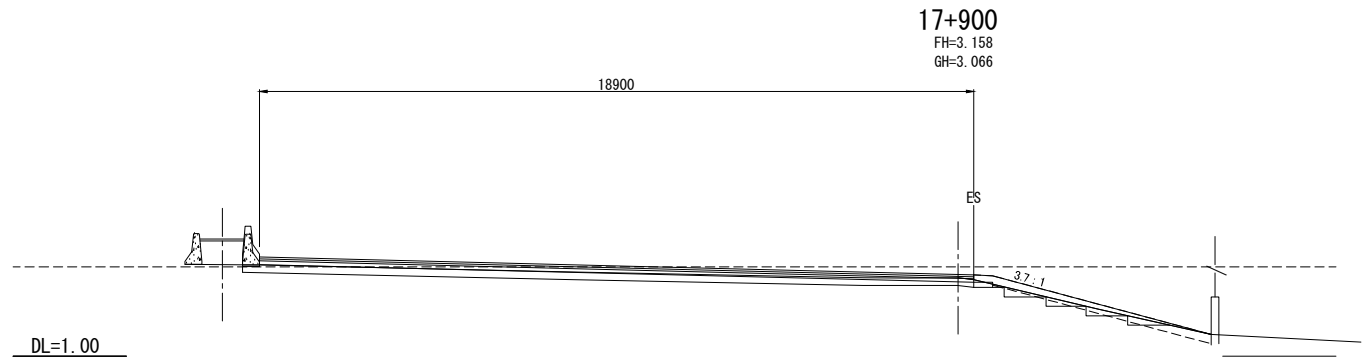
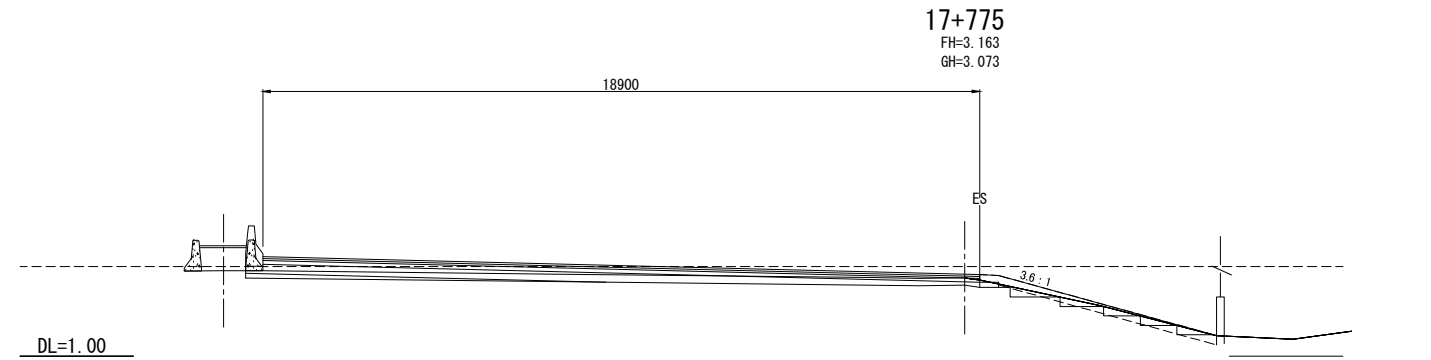
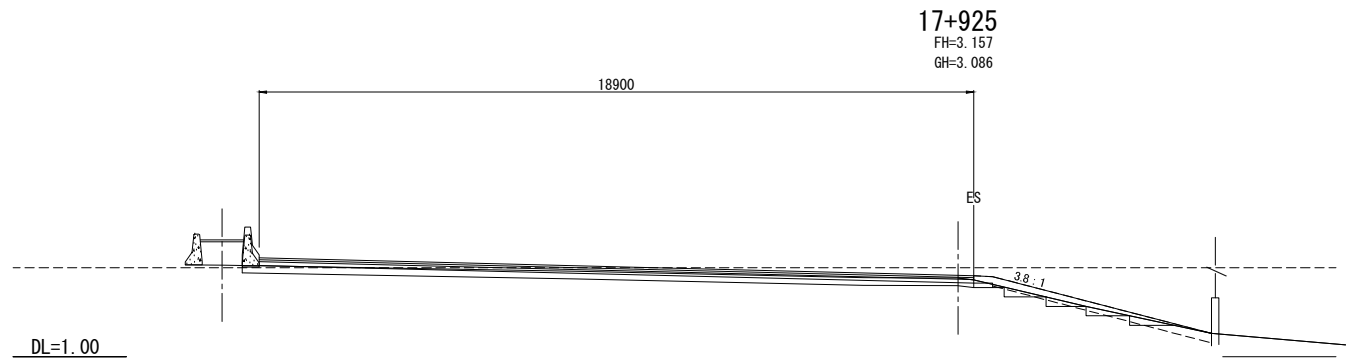
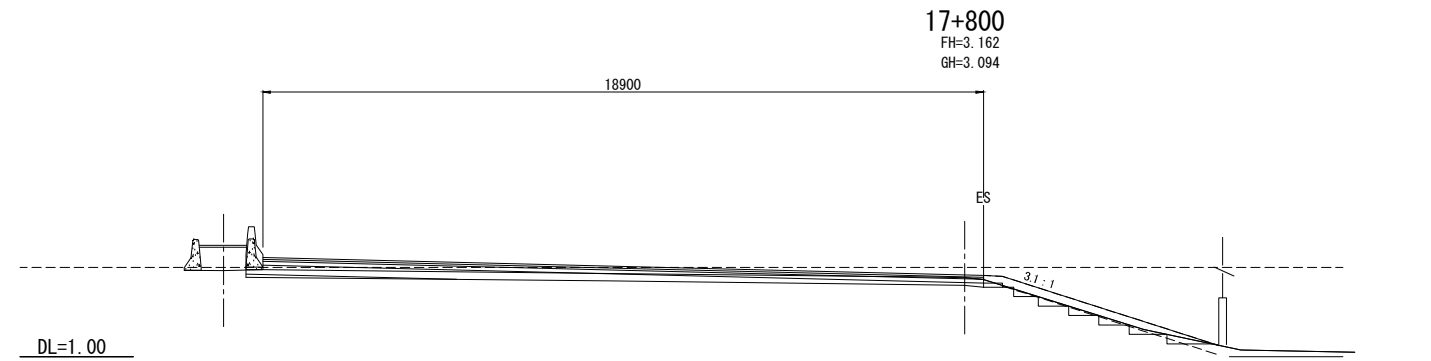
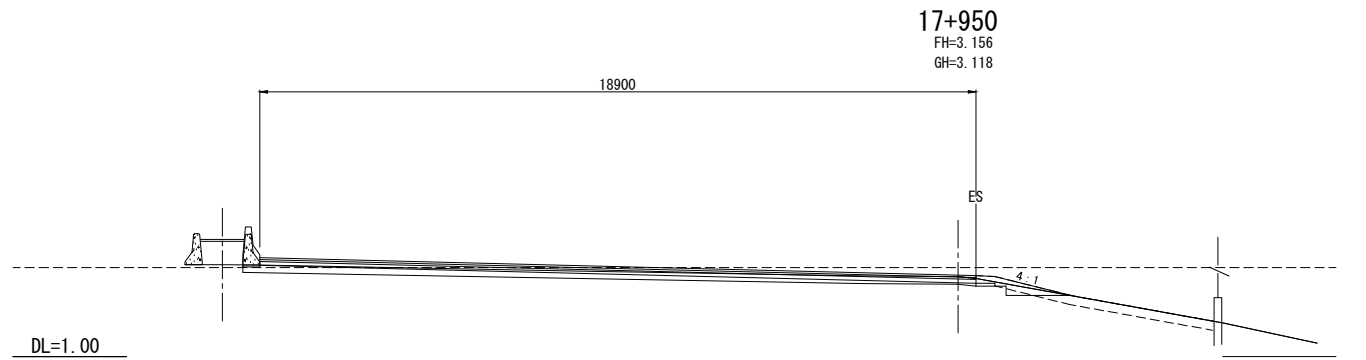
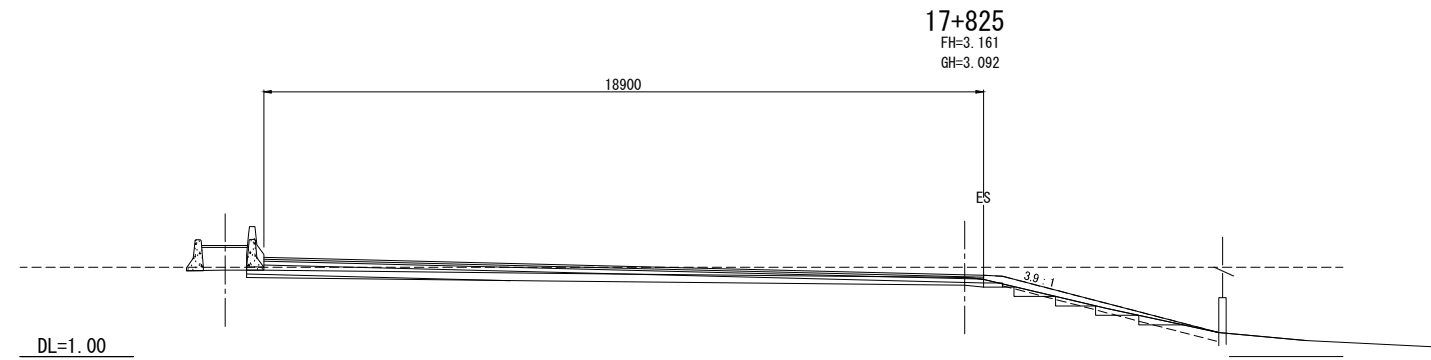
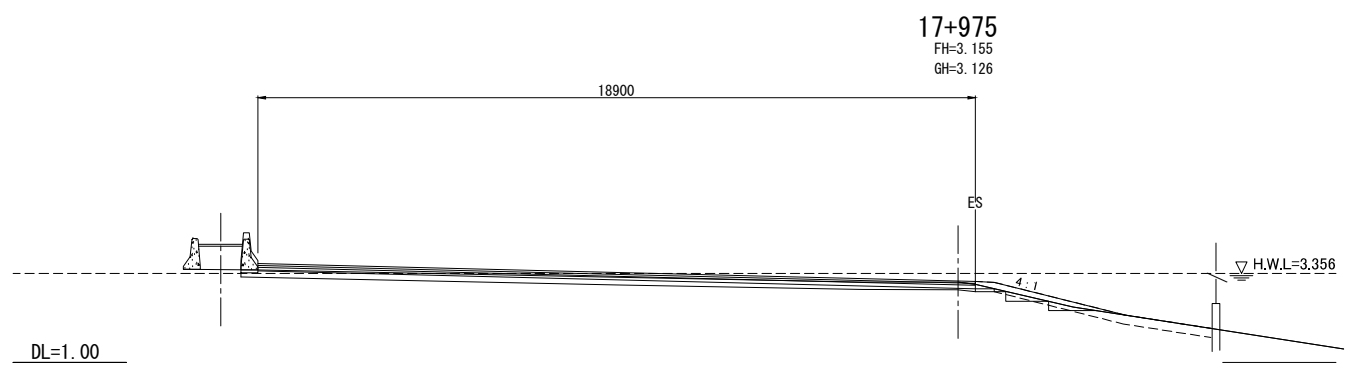
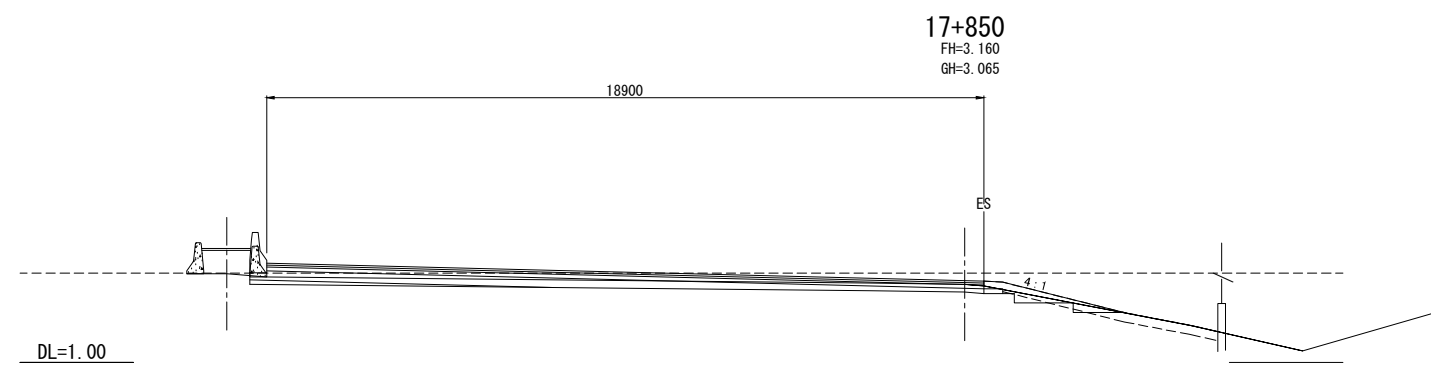
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-81 | SHEET NO. 86 |

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

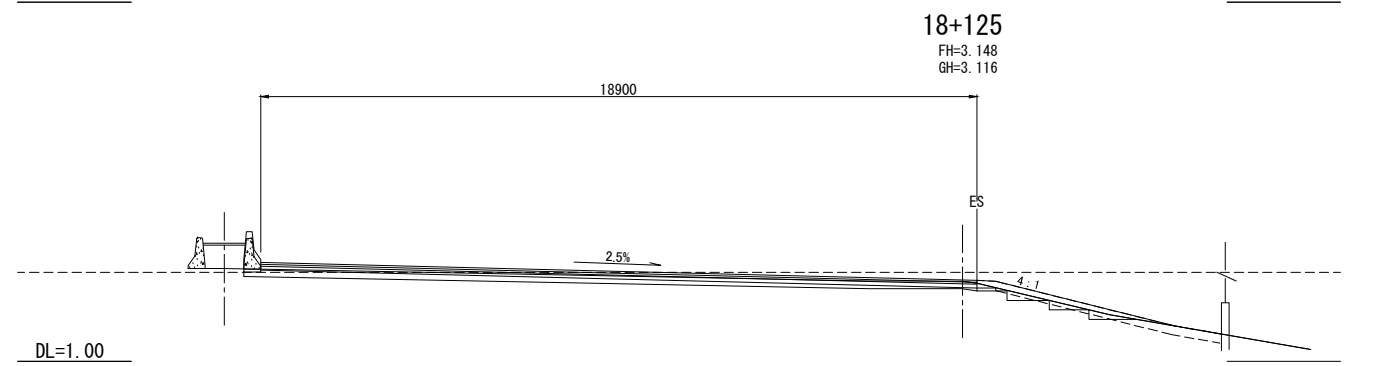
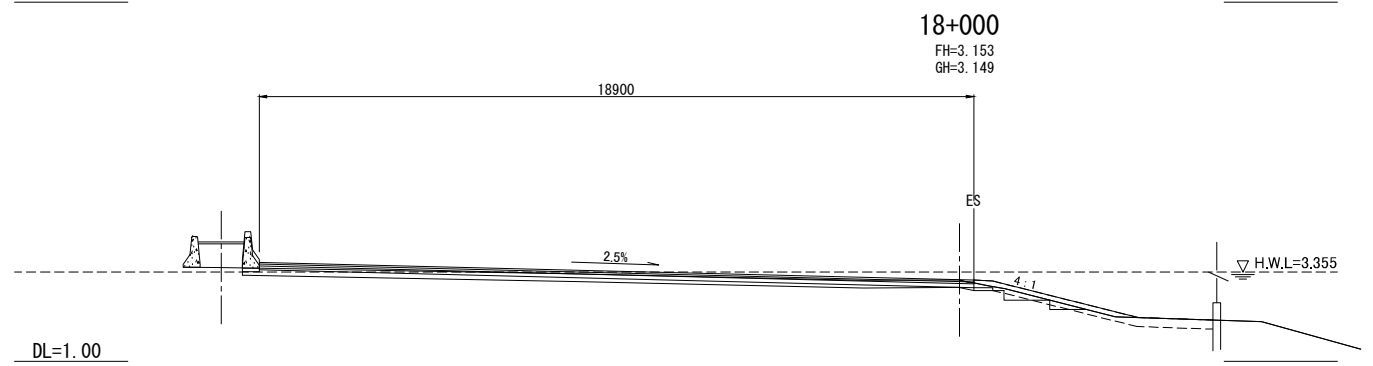
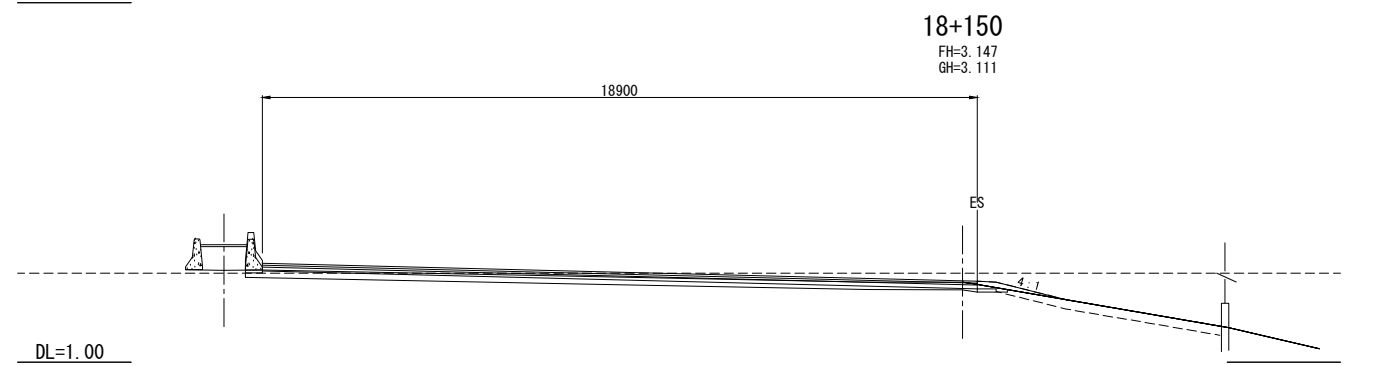
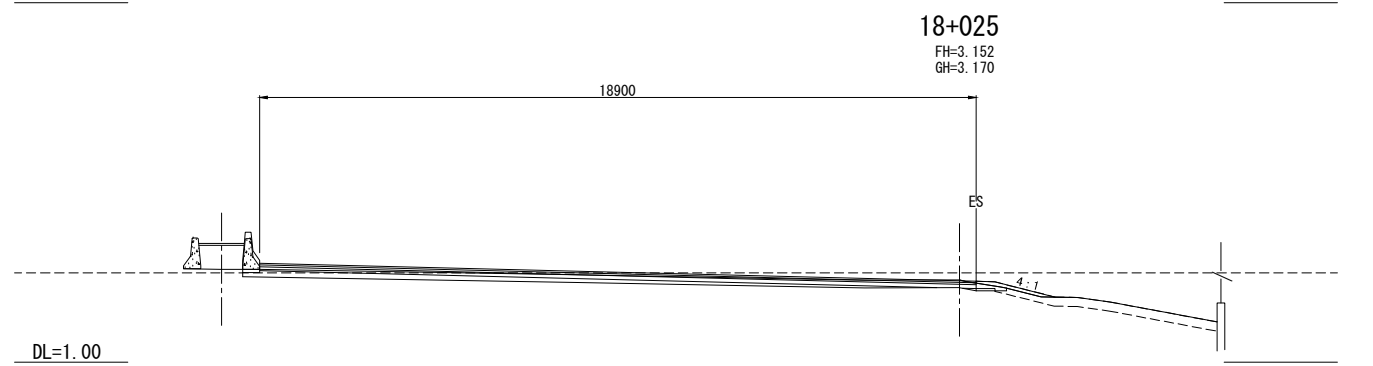
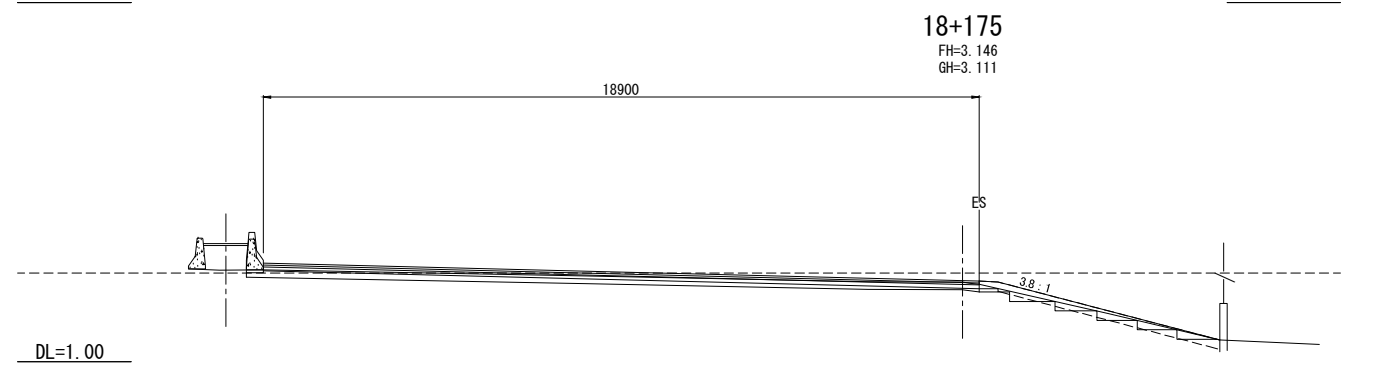
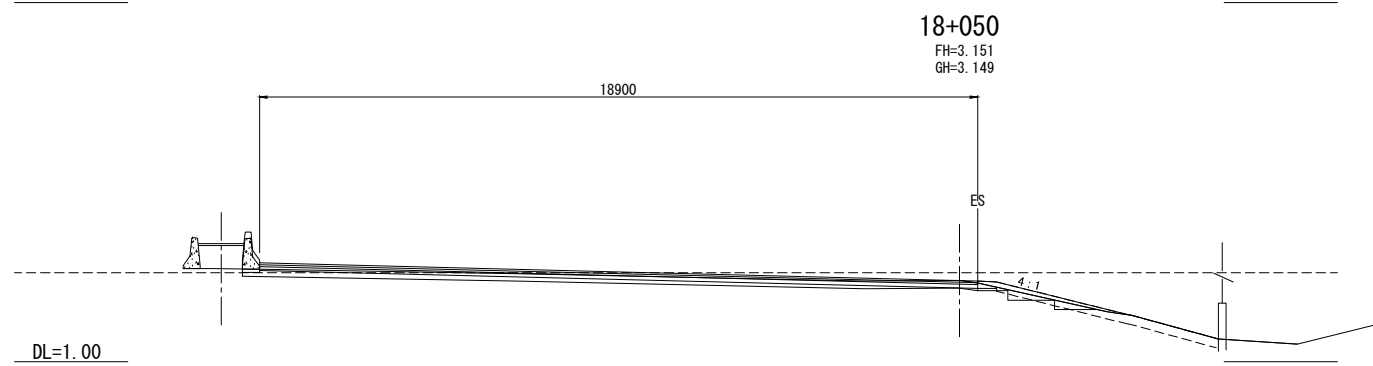
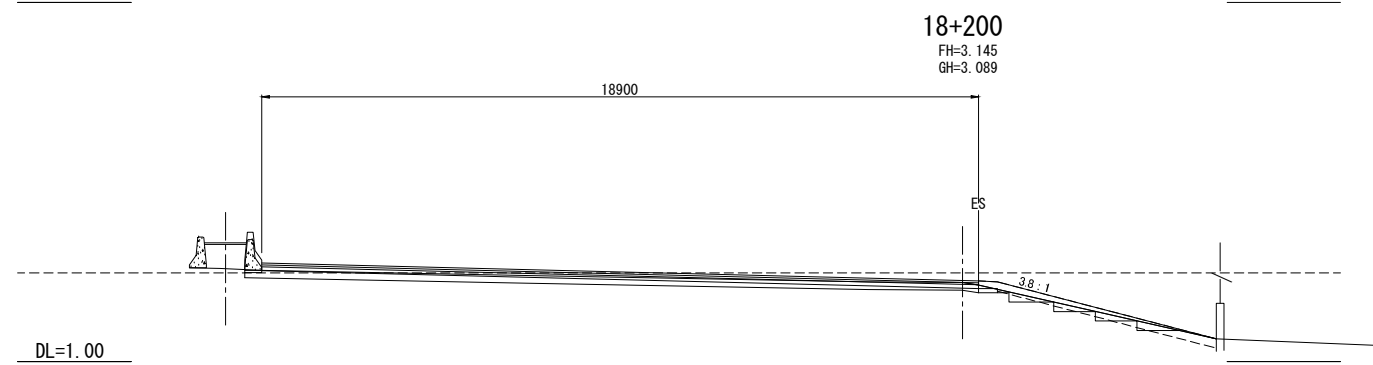
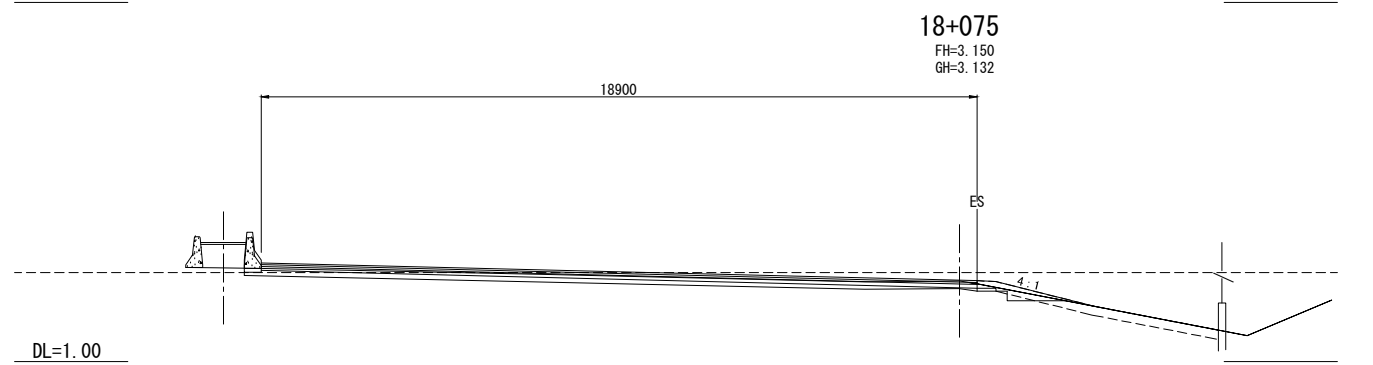
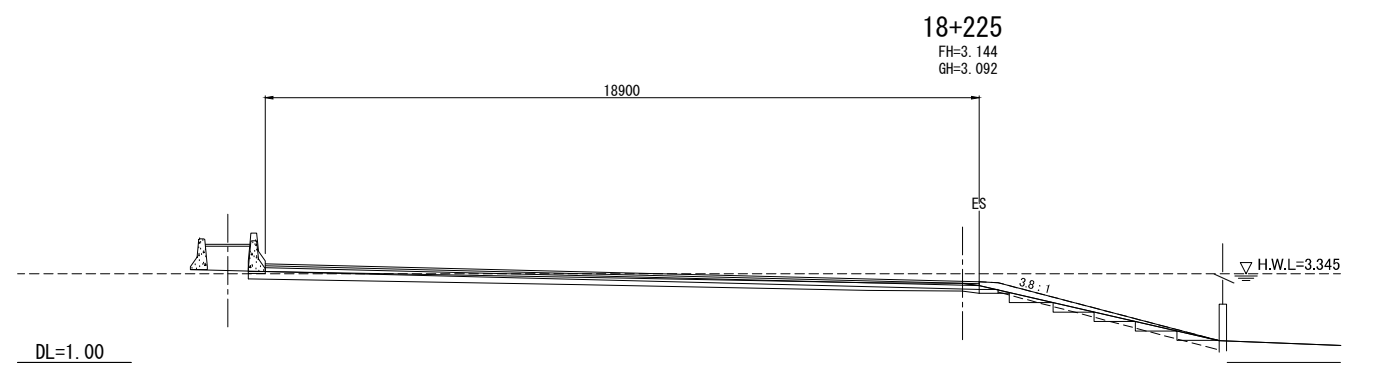
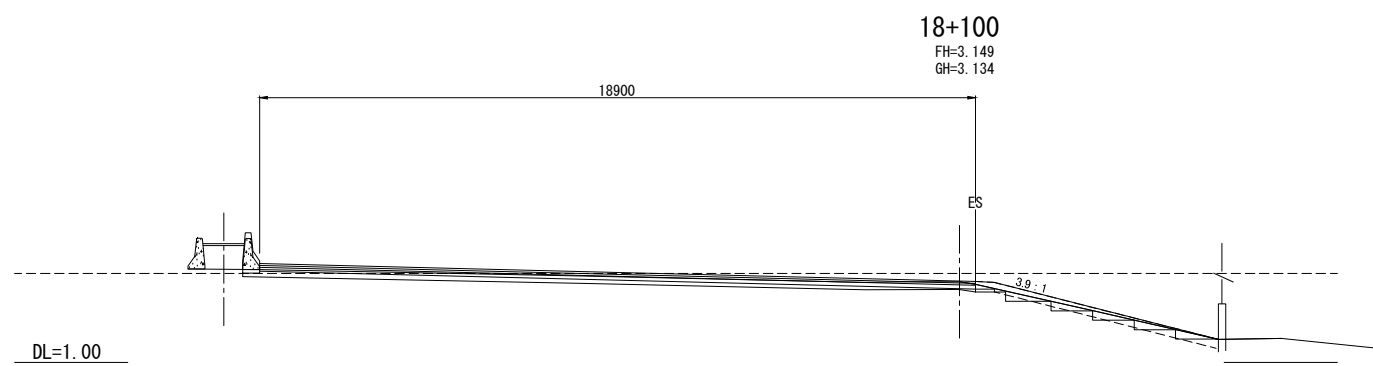


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-82 | SHEET NO. 87 |

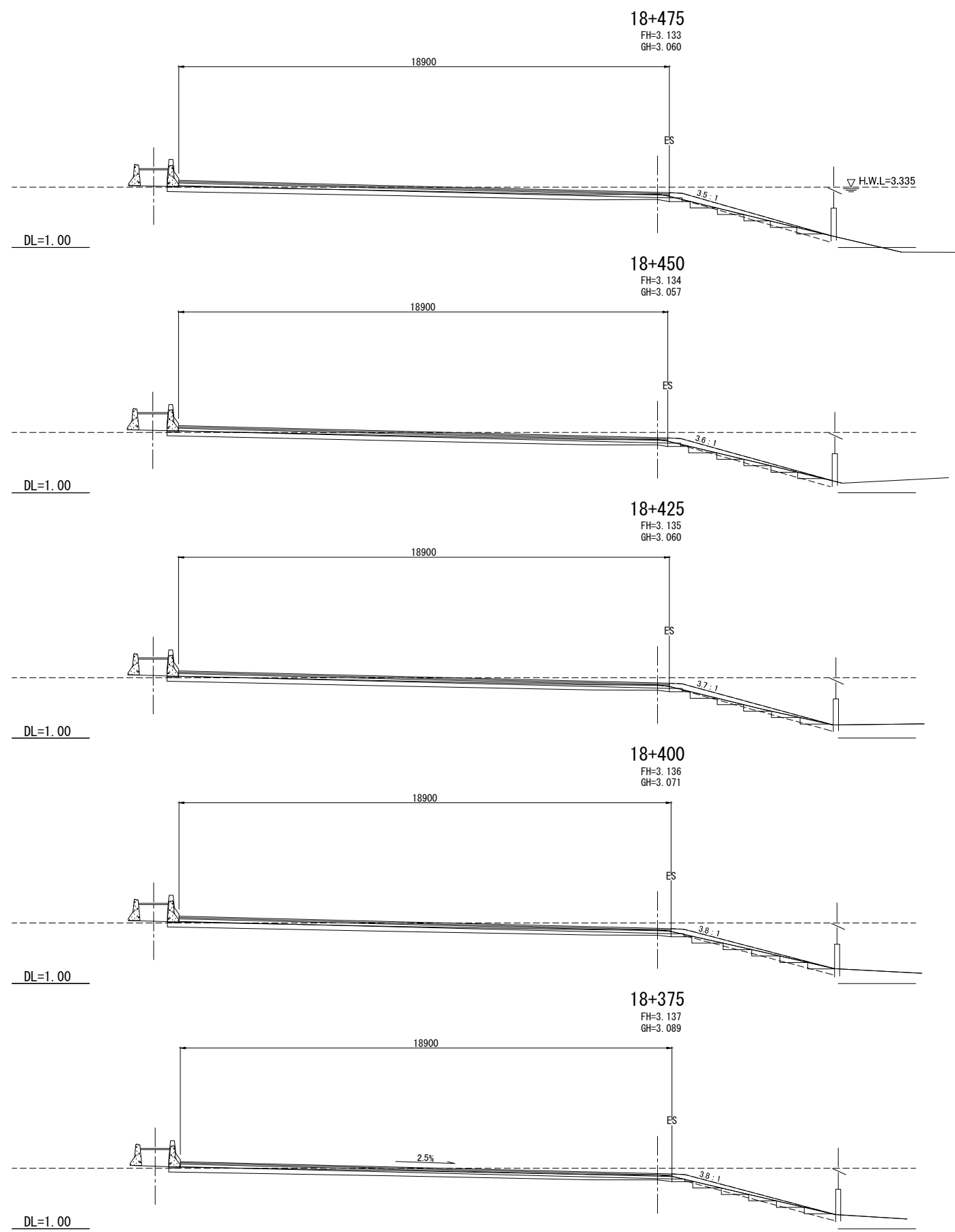
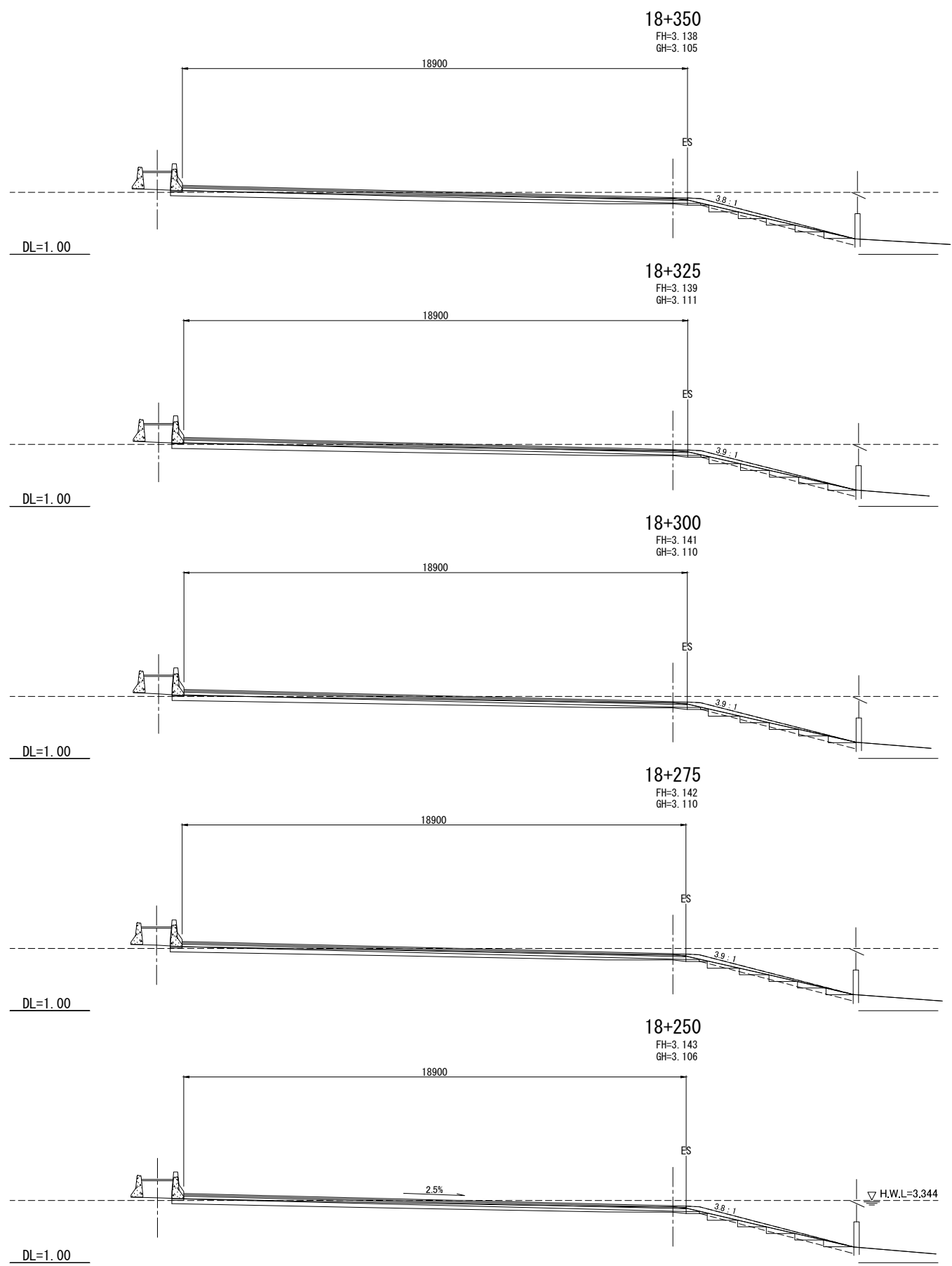
CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (32 / 70) | | | | | DWG. NO. MW-83 | SHEET NO. 88 |

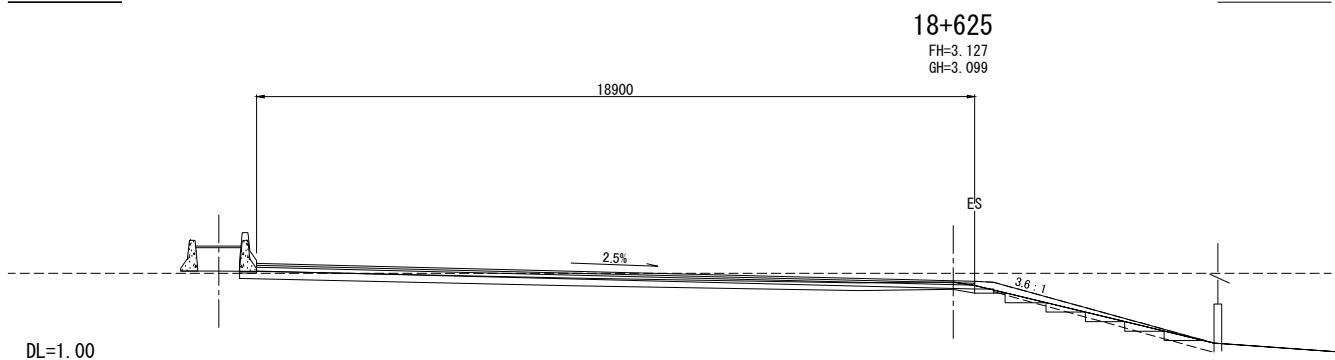
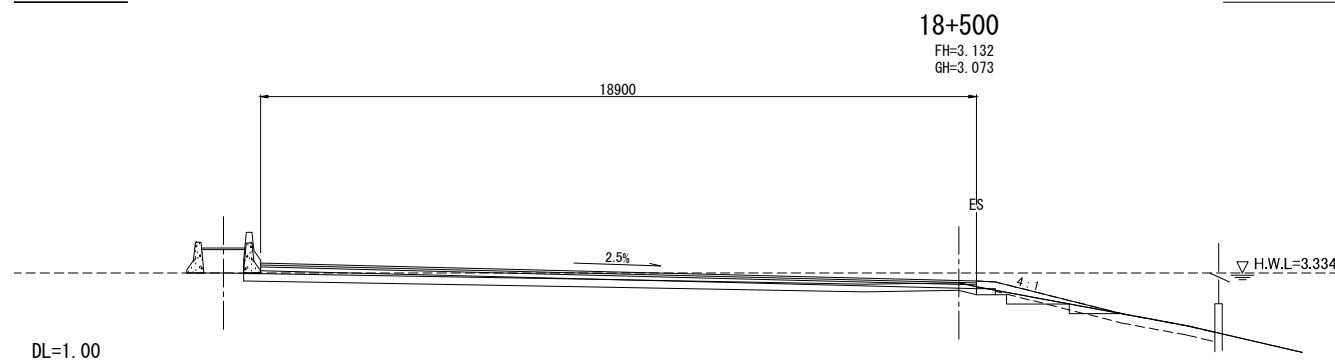
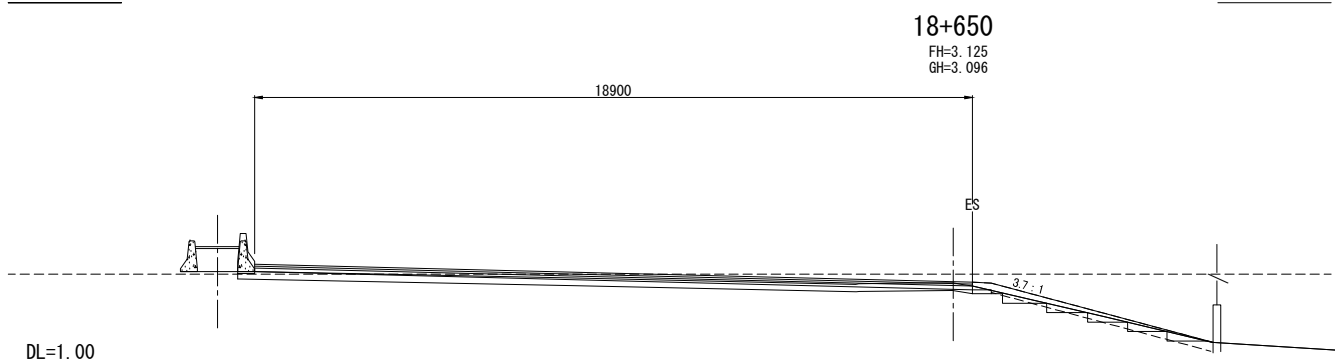
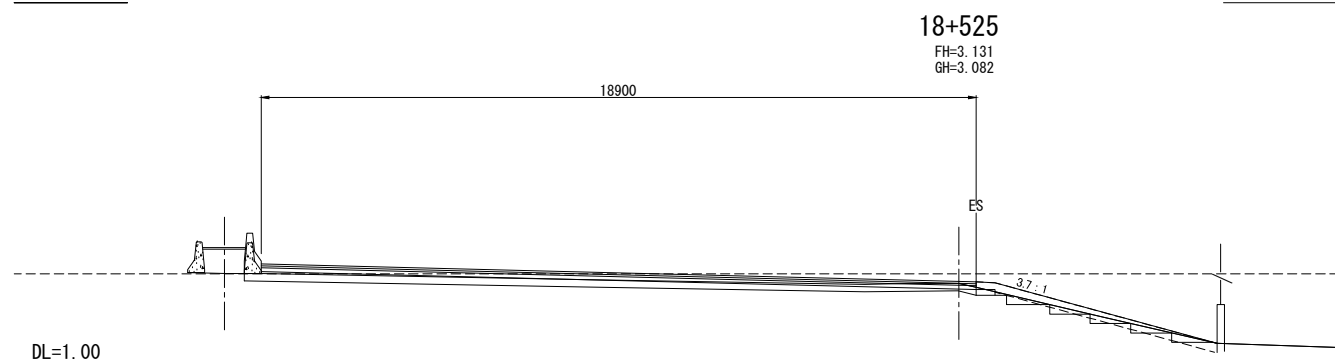
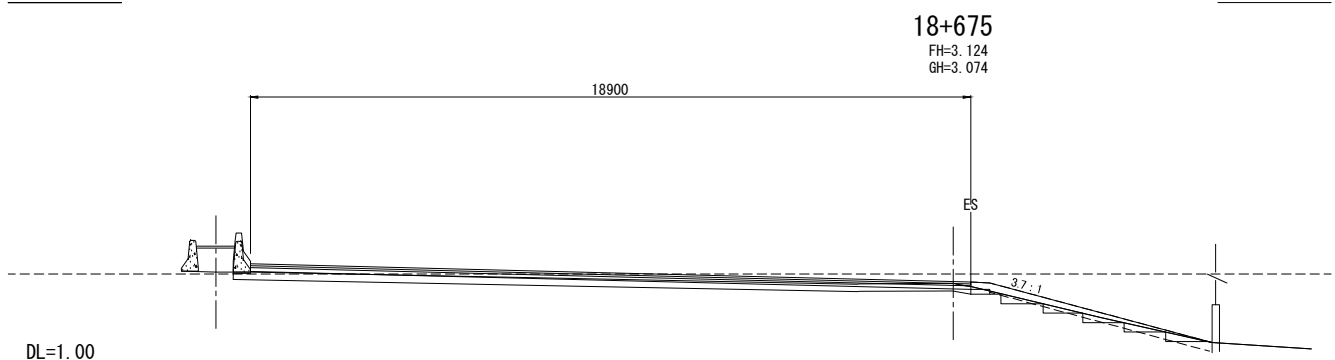
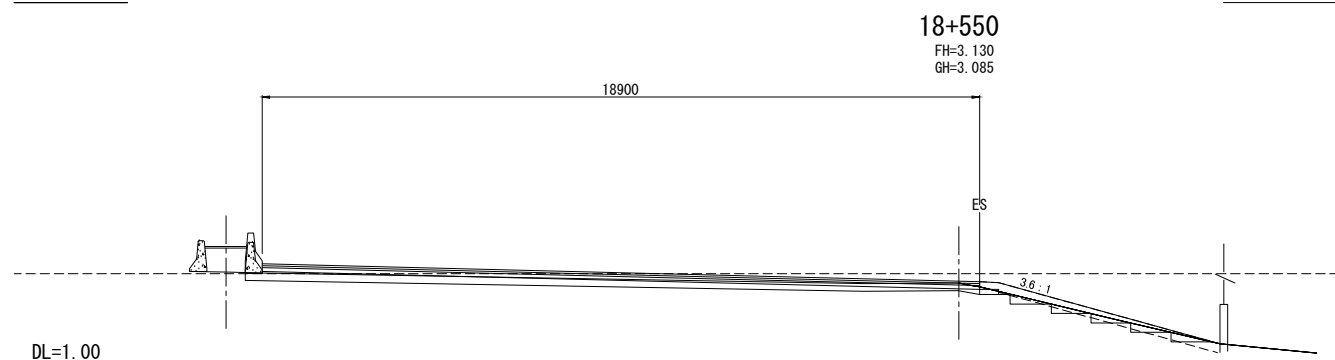
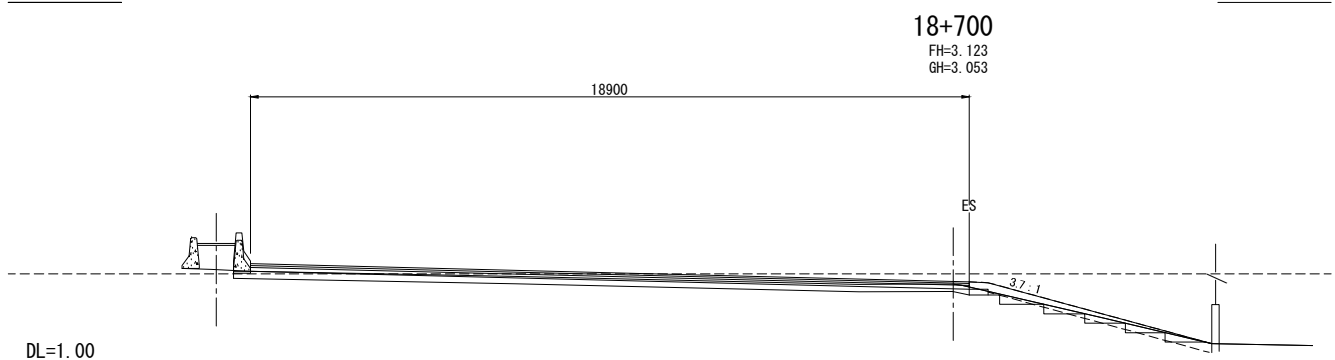
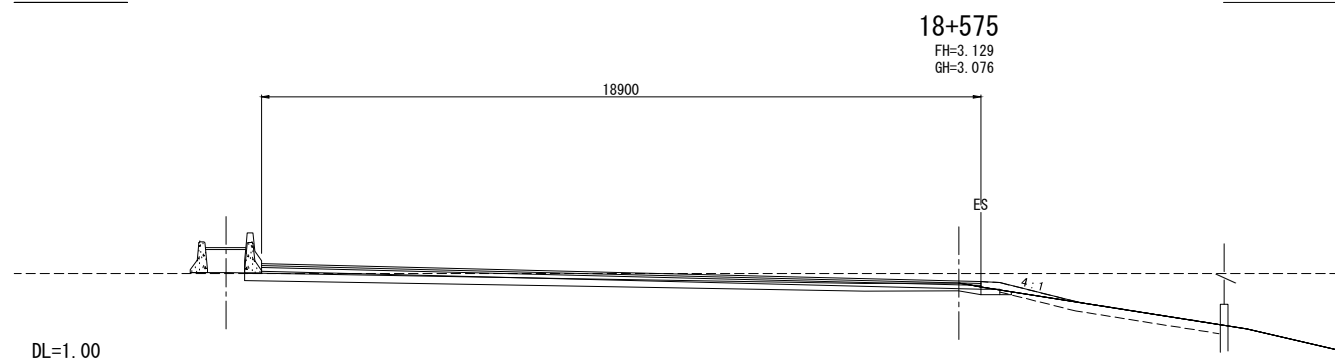
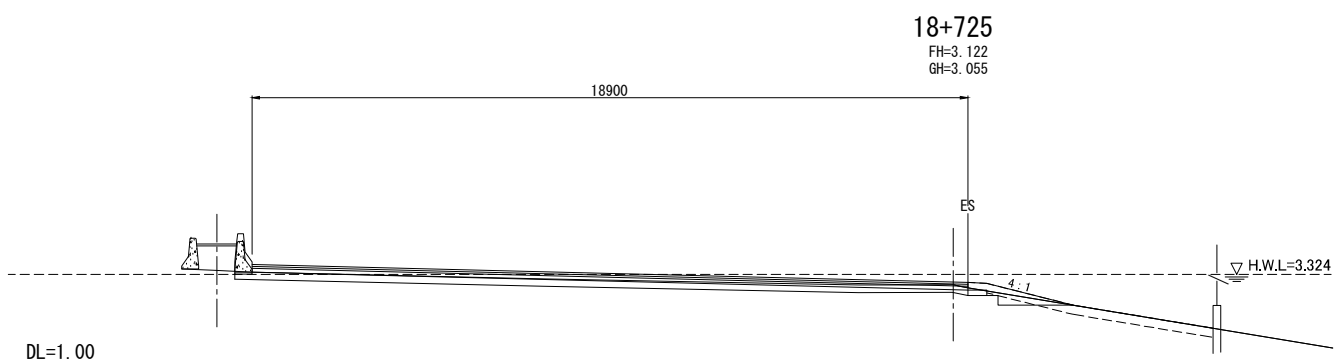
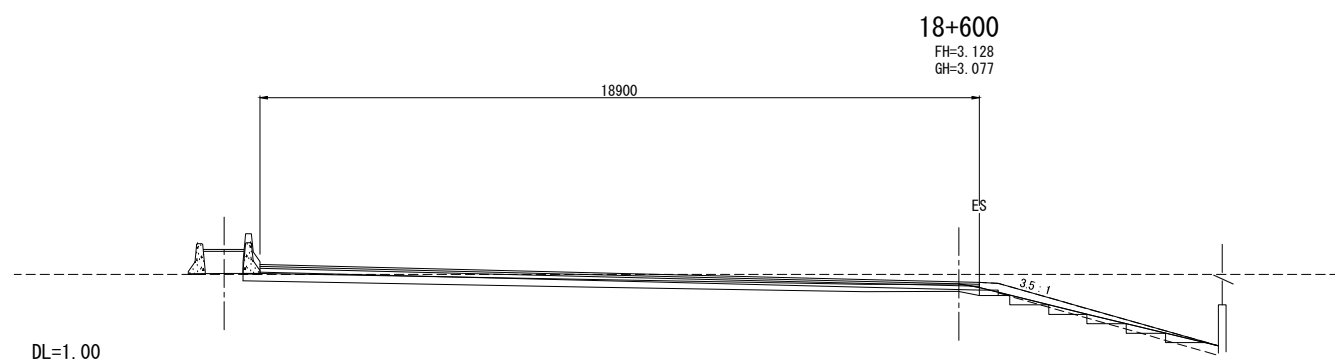


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-84 | SHEET NO. 89 |



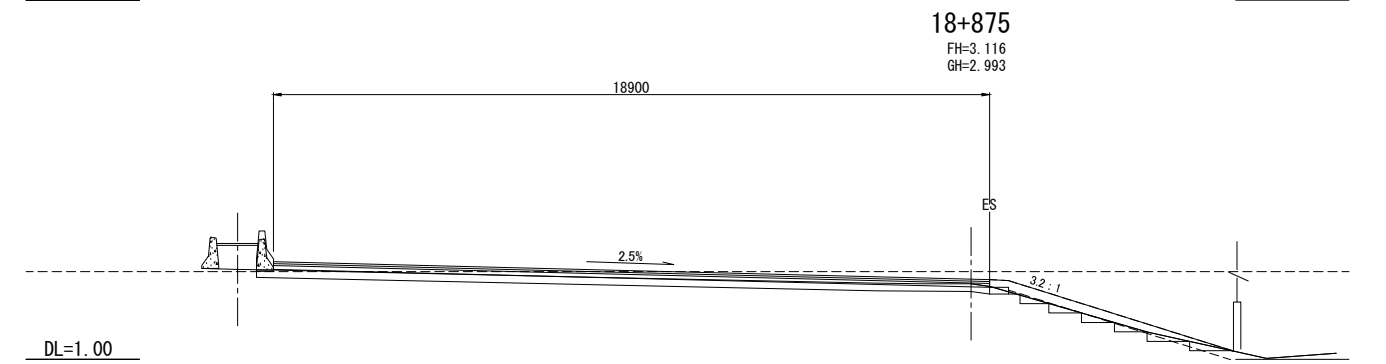
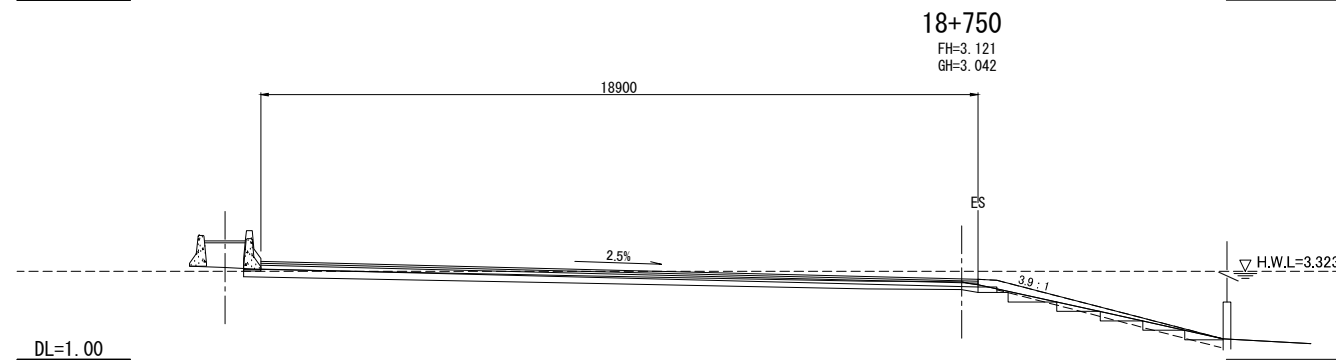
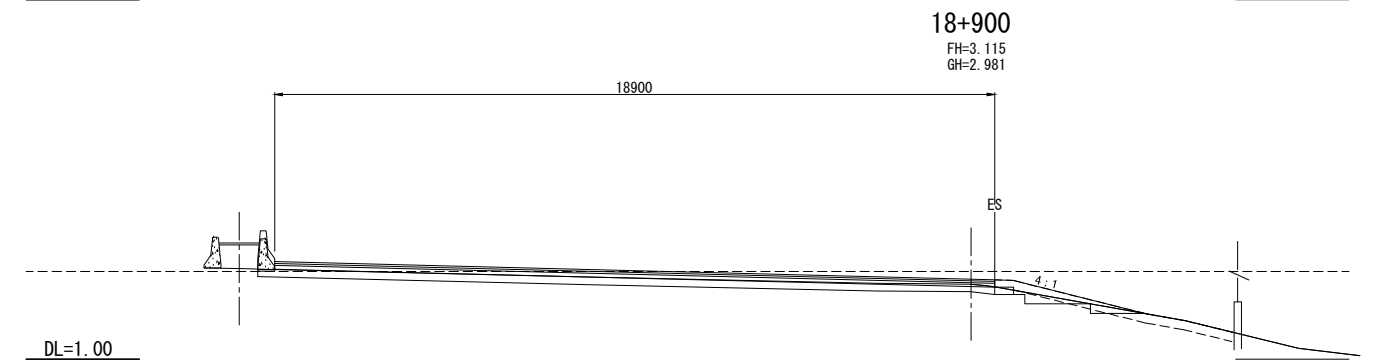
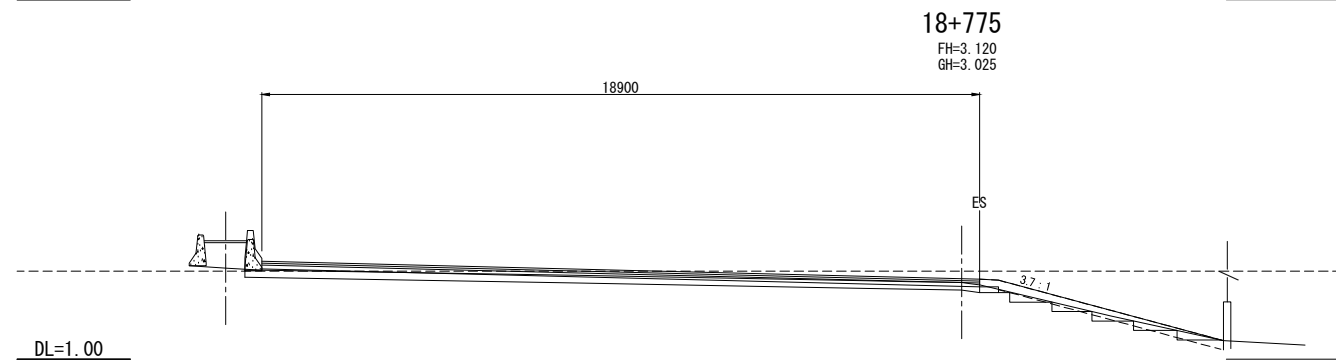
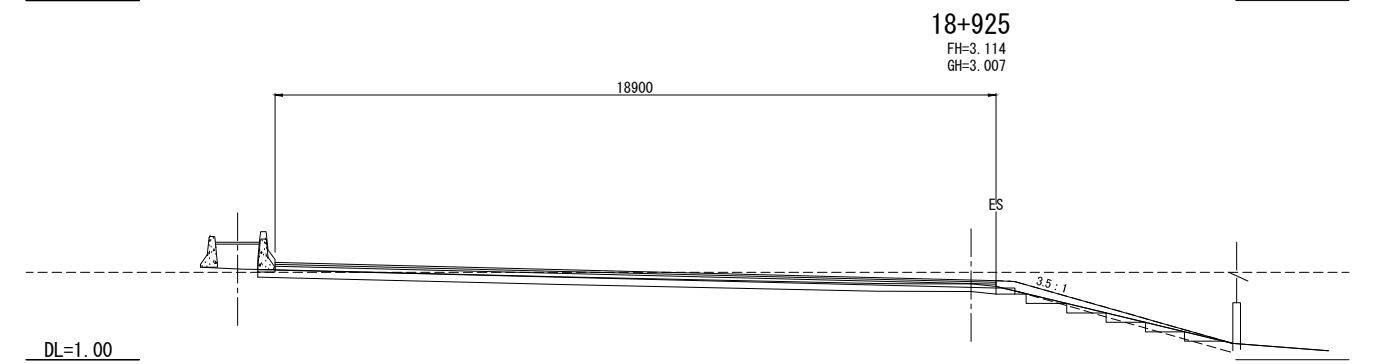
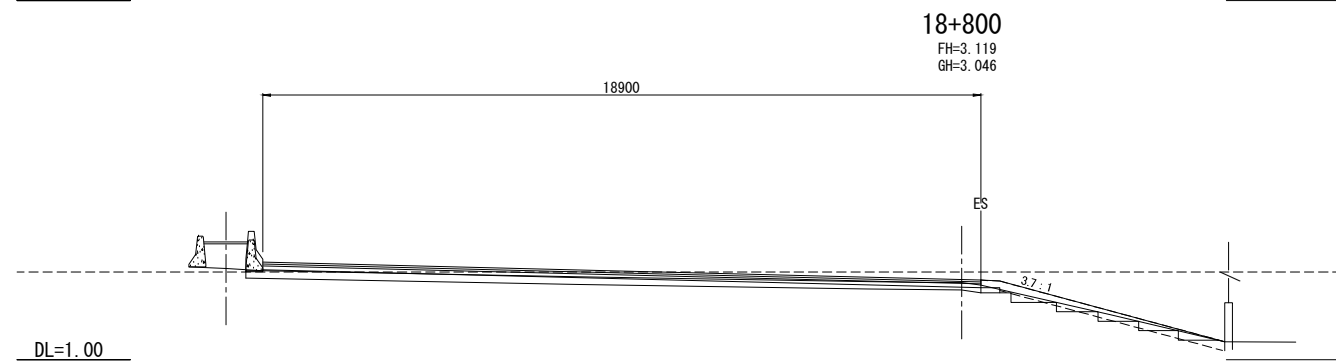
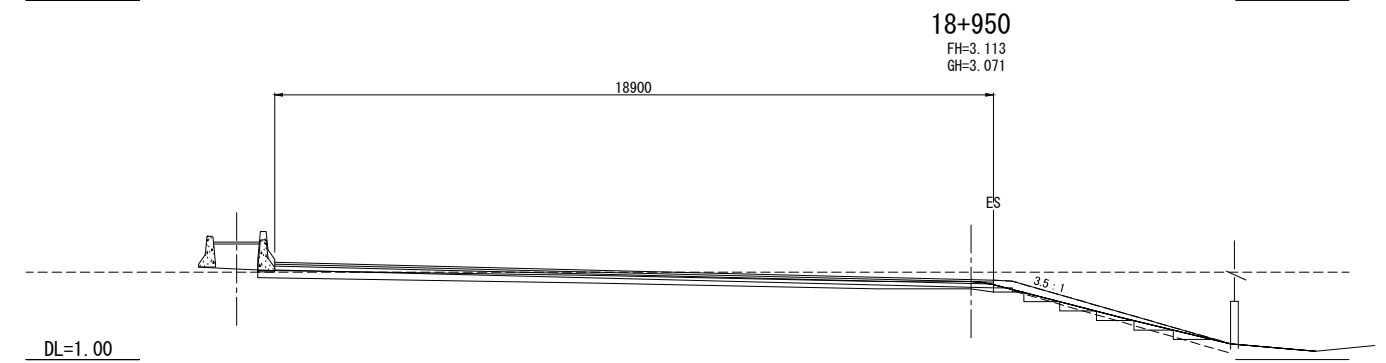
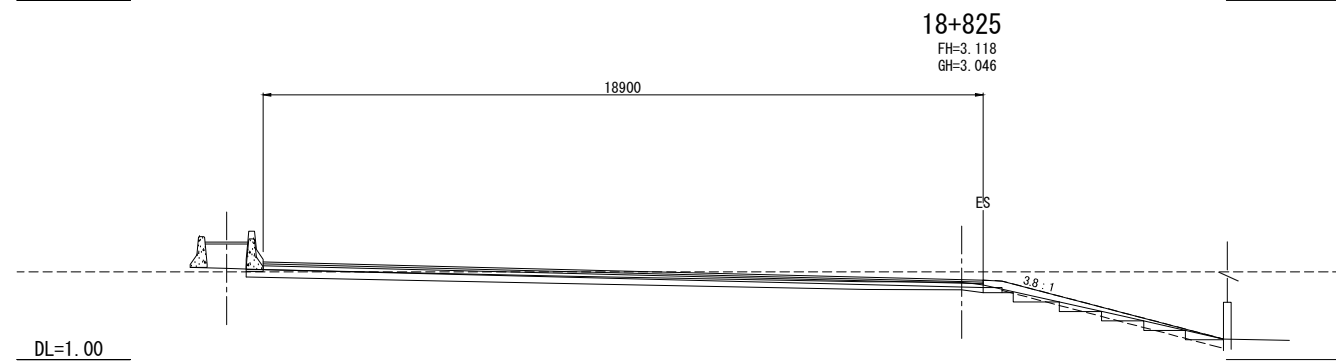
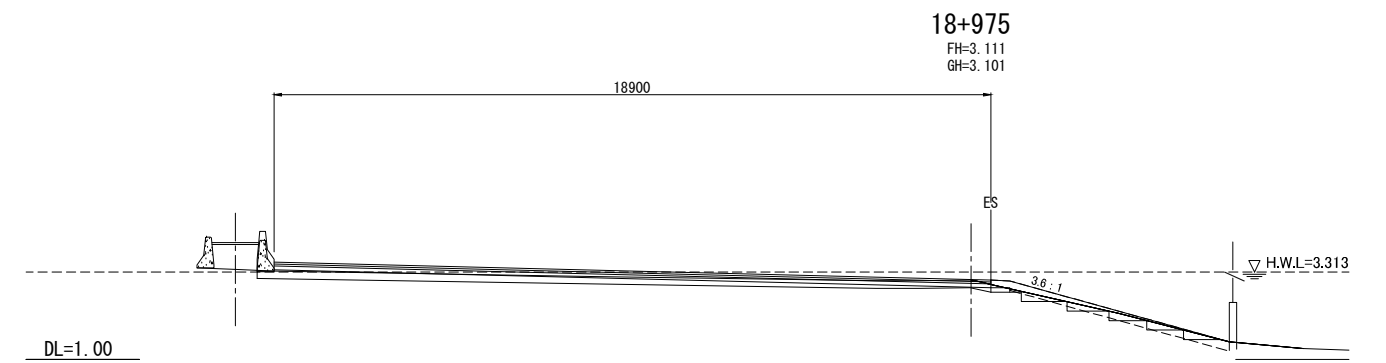
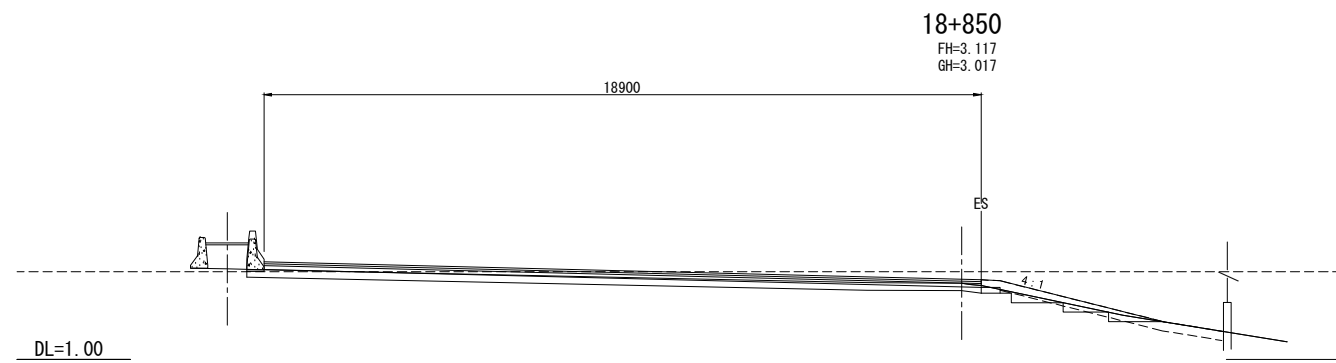
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-85 | SHEET NO. 90 |

CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.

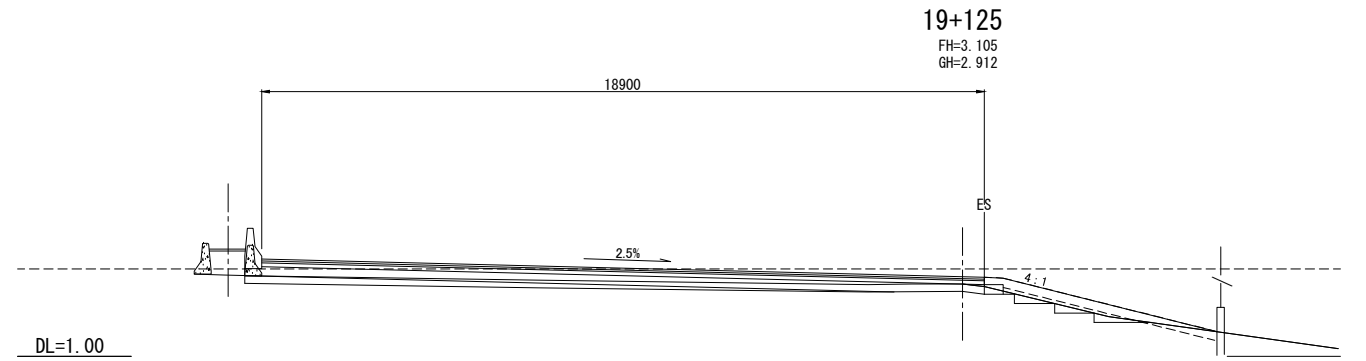
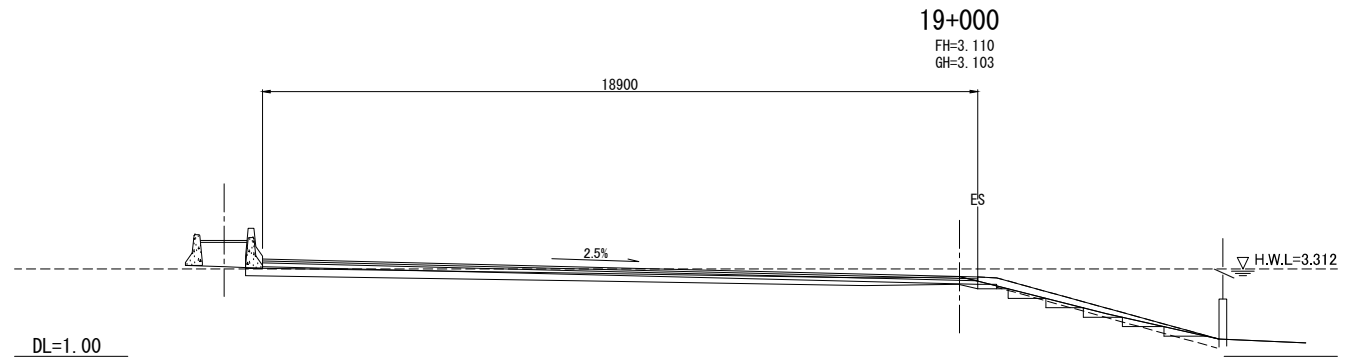
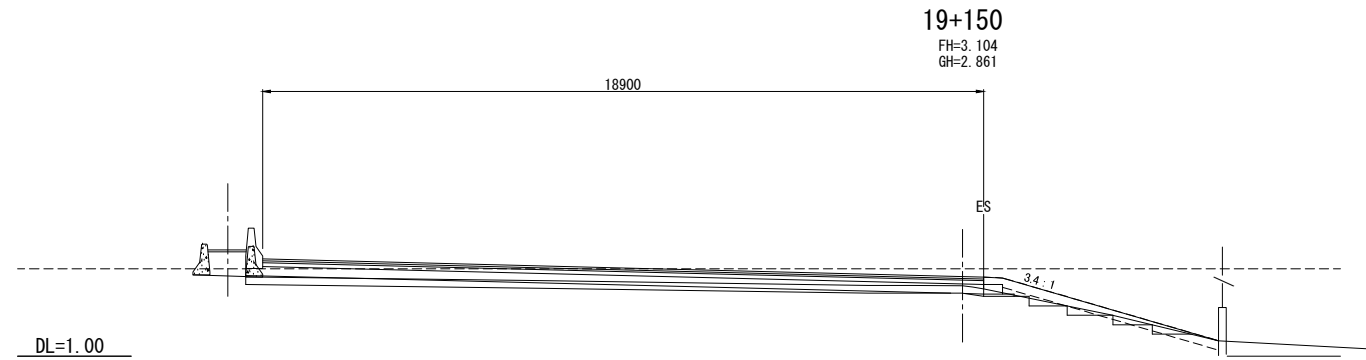
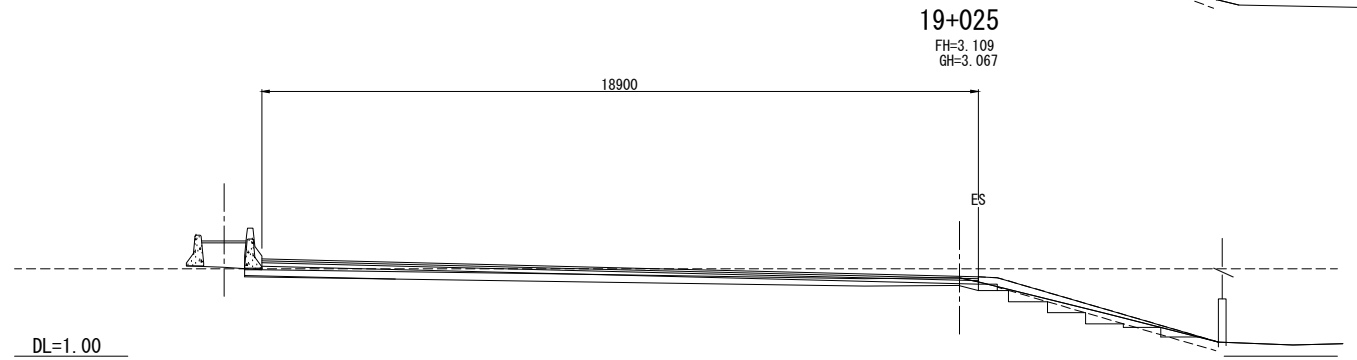
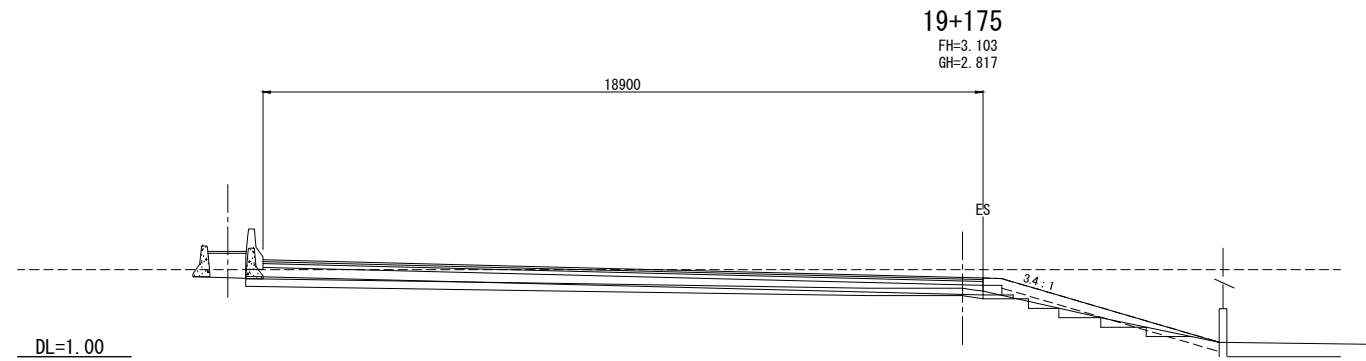
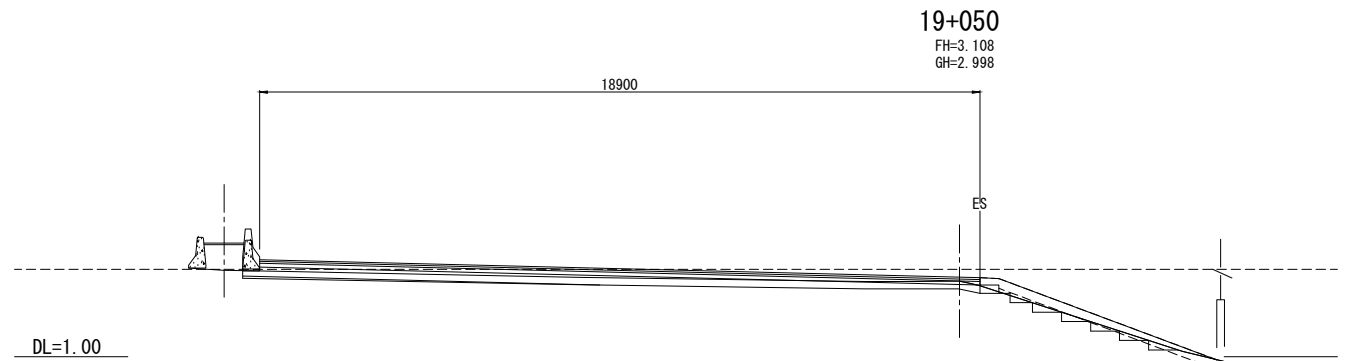
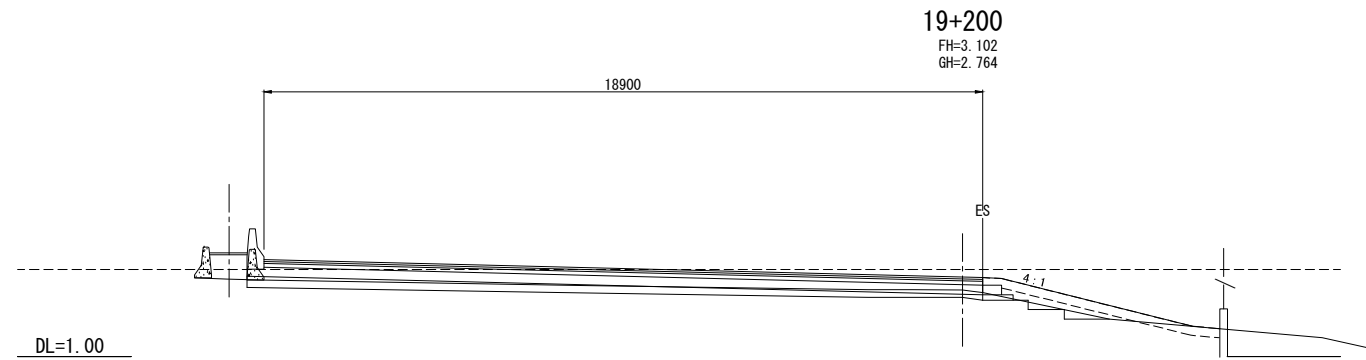
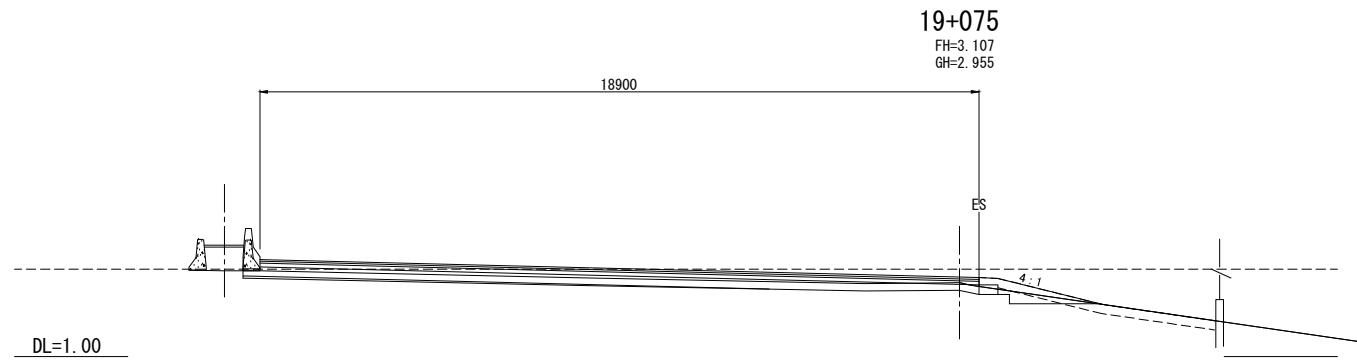
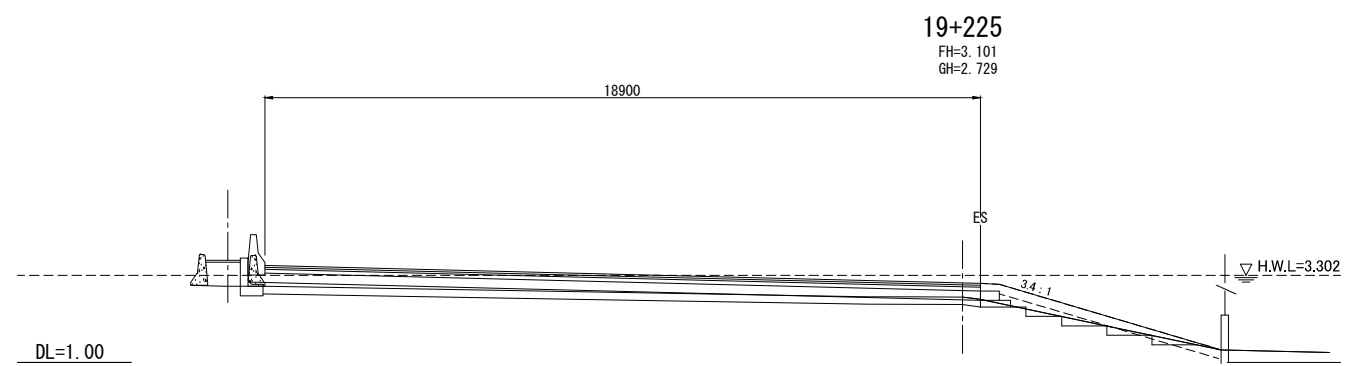
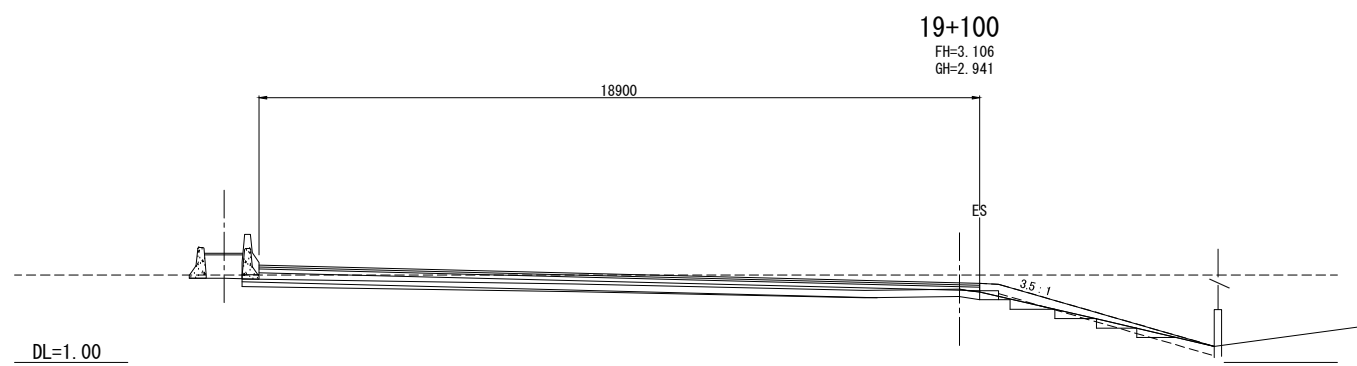


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (35 / 70) | | | | | DWG. NO. MW-86 | SHEET NO. 91 |

CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.

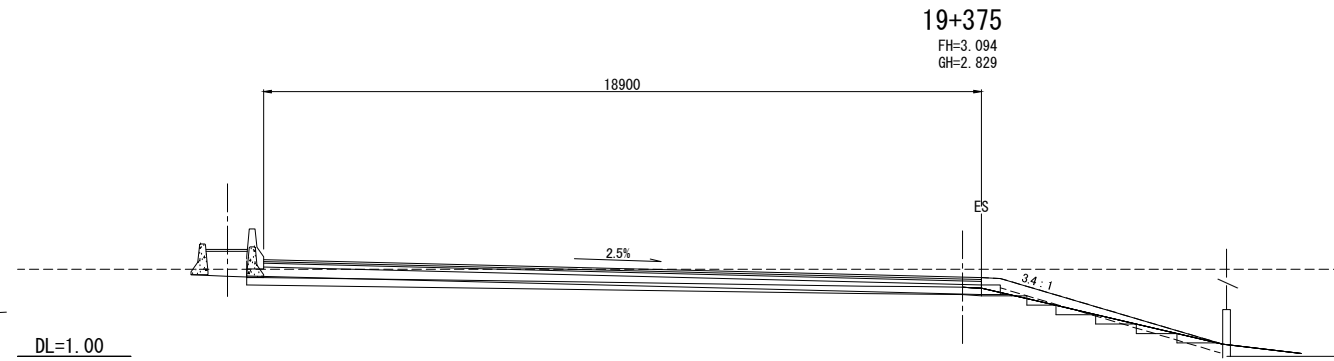
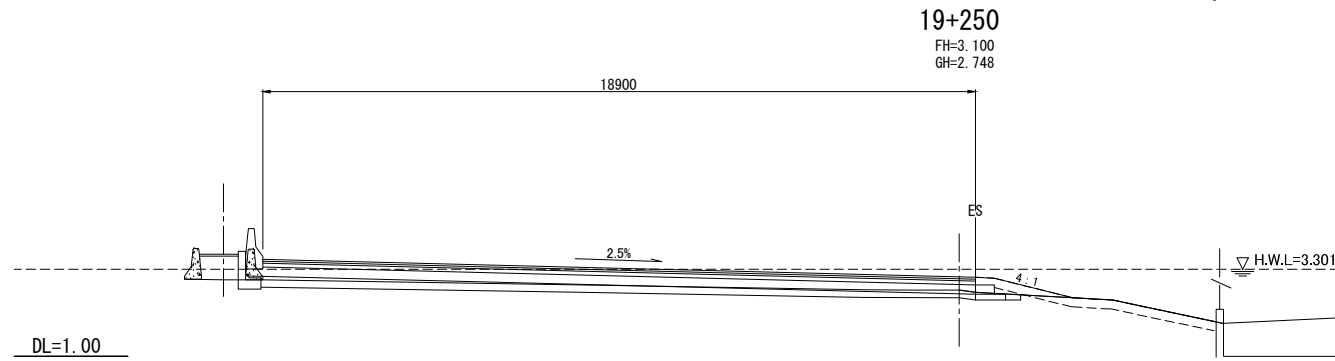
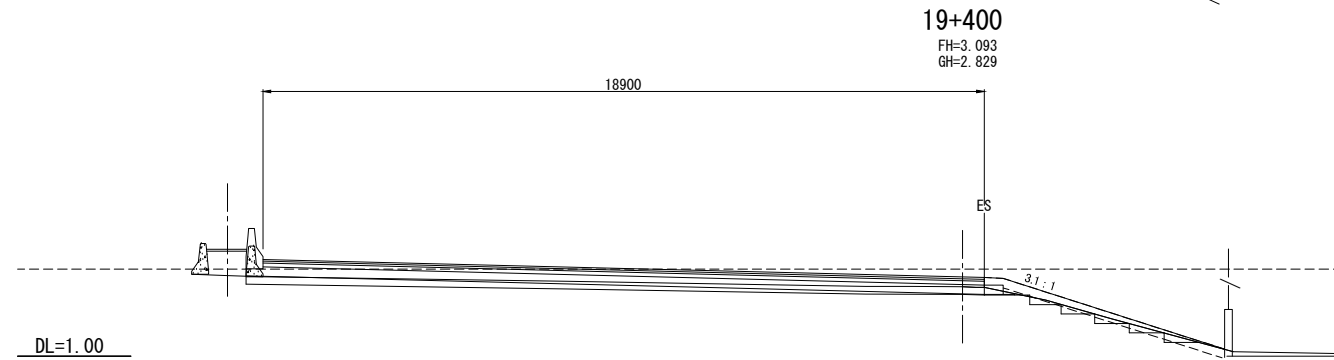
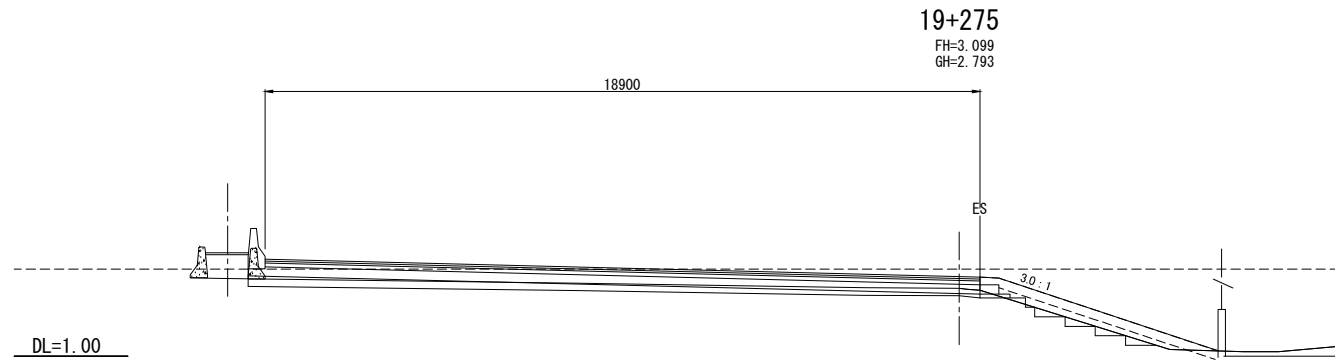
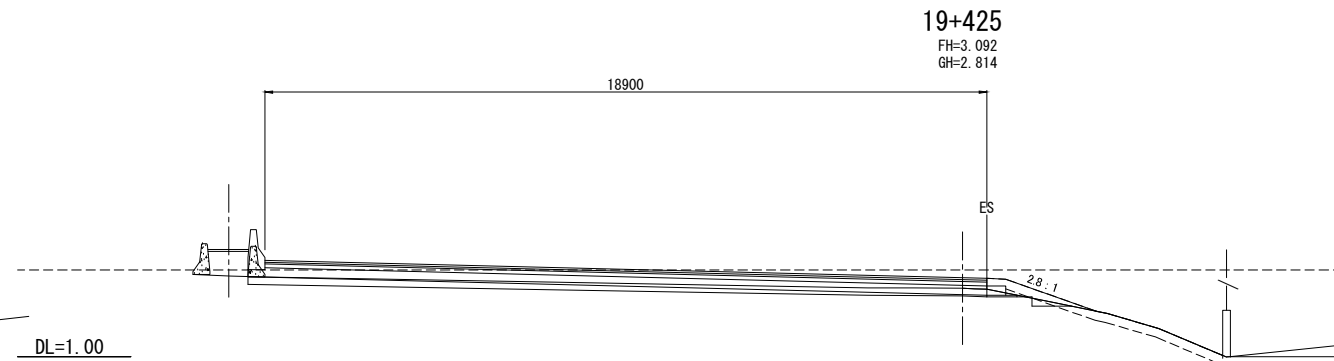
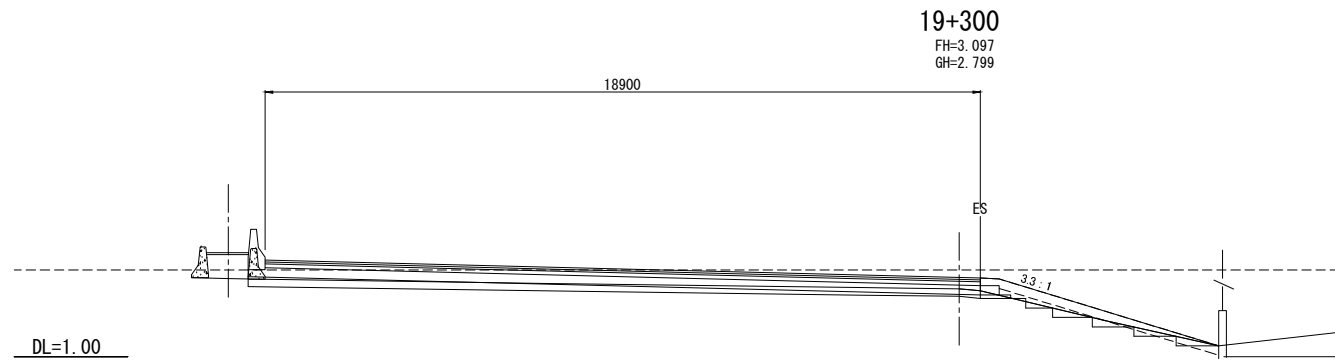
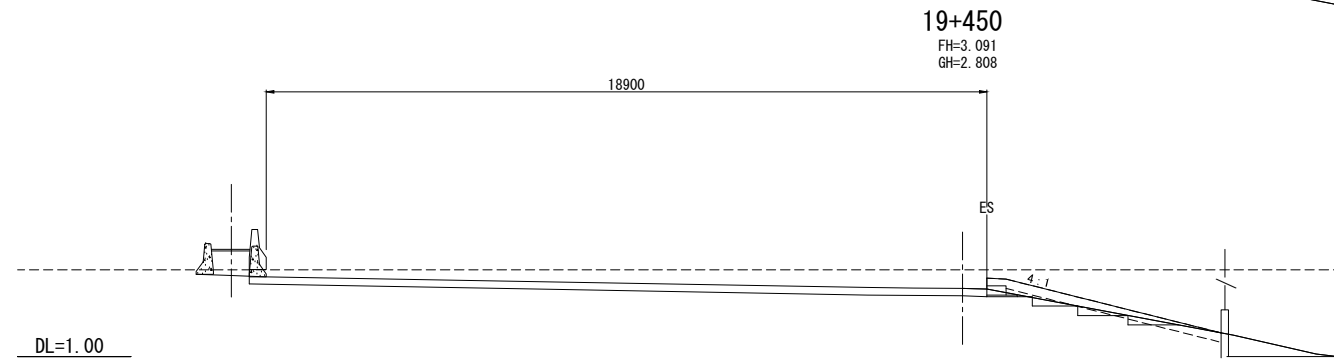
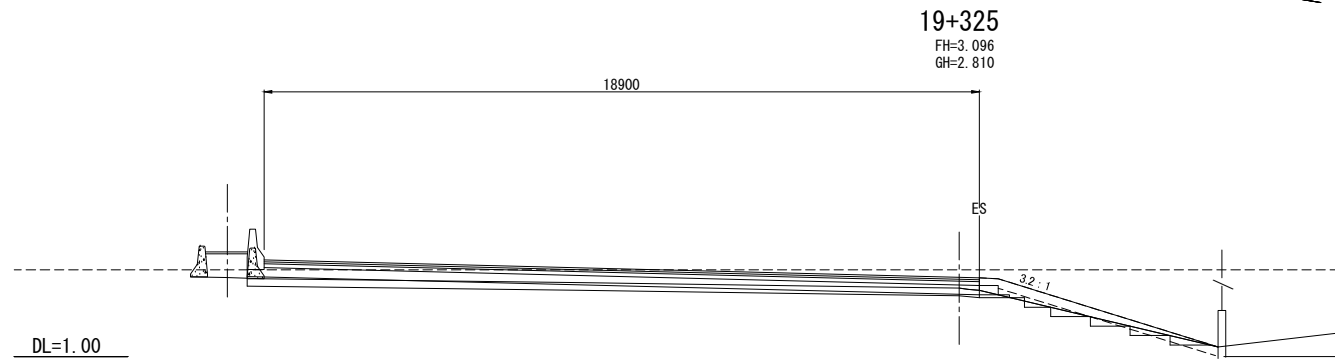
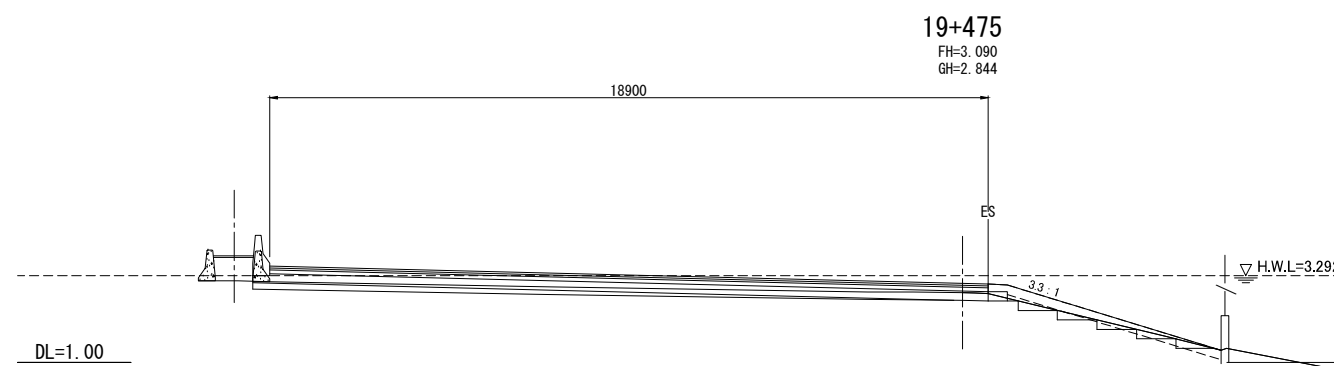
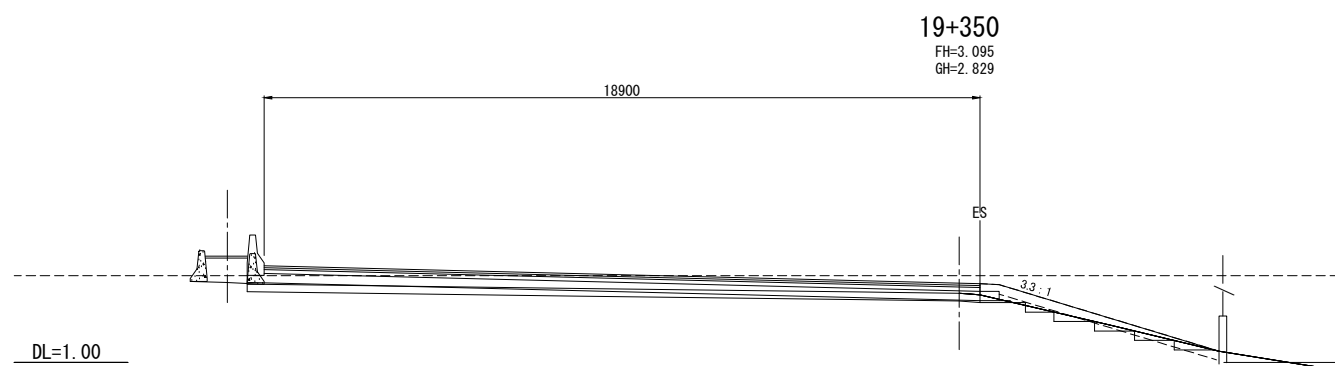


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (36 / 70) | | | | | DWG. NO. MW-87 | SHEET NO. 92 |

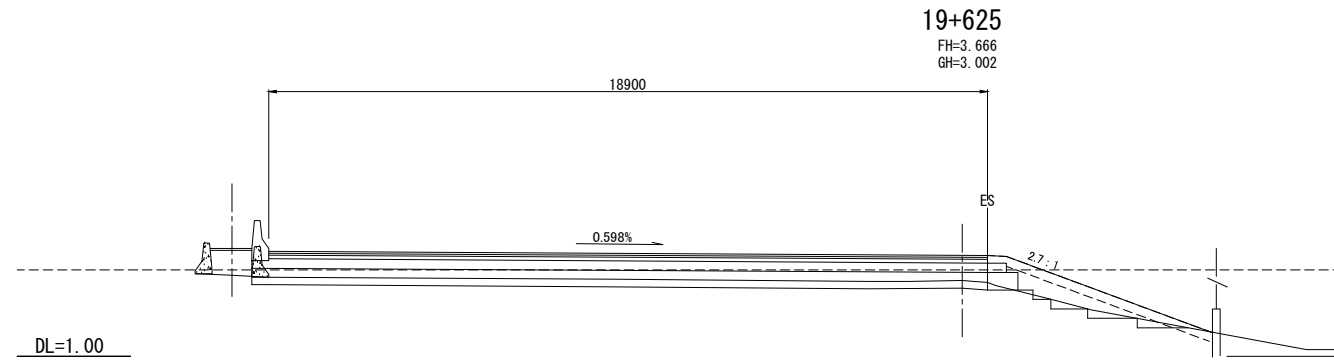
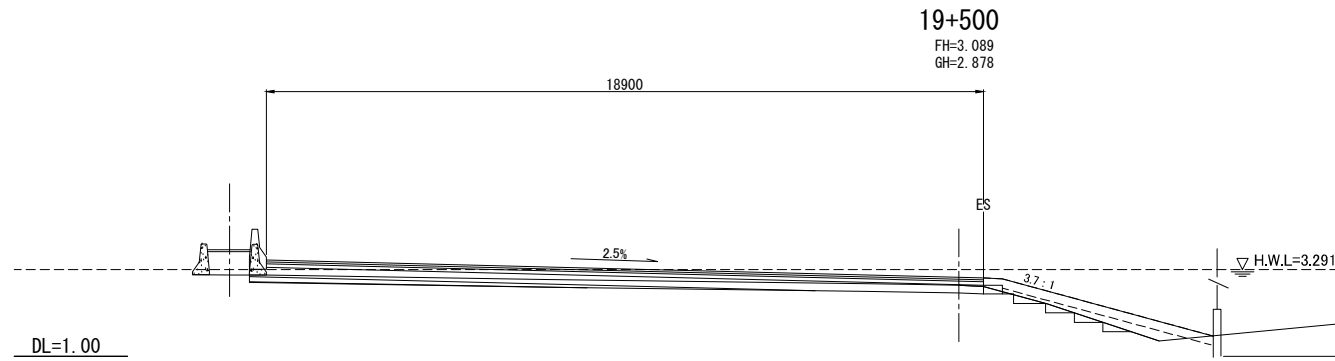
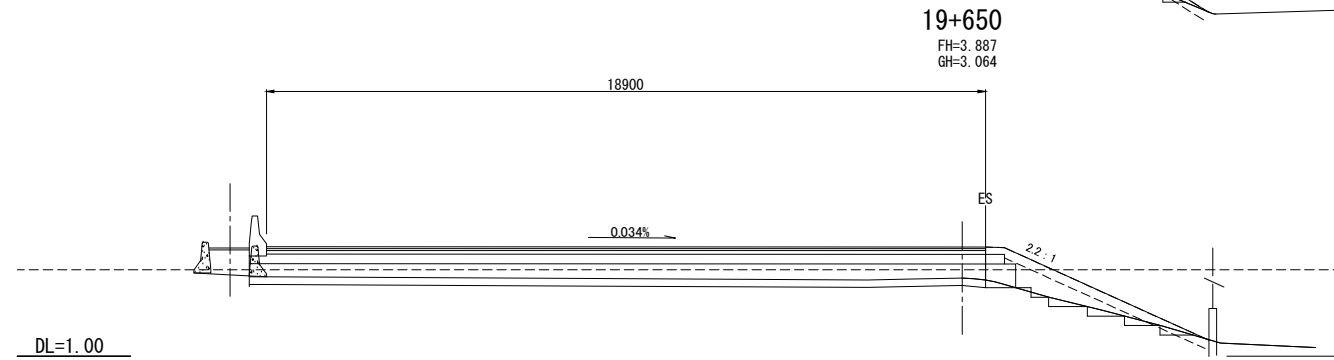
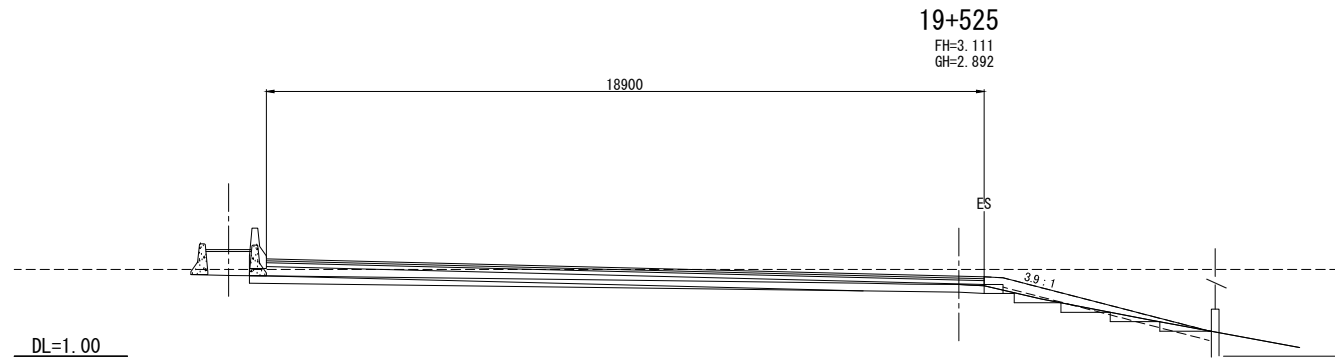
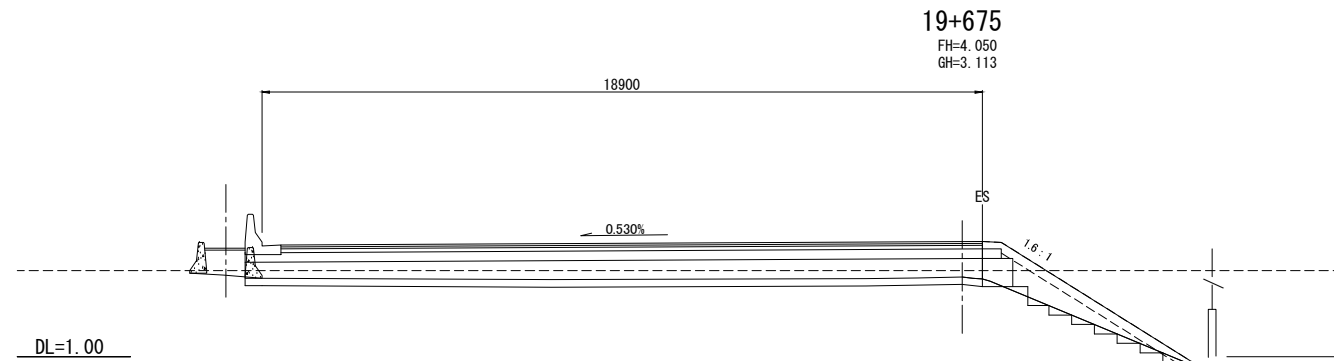
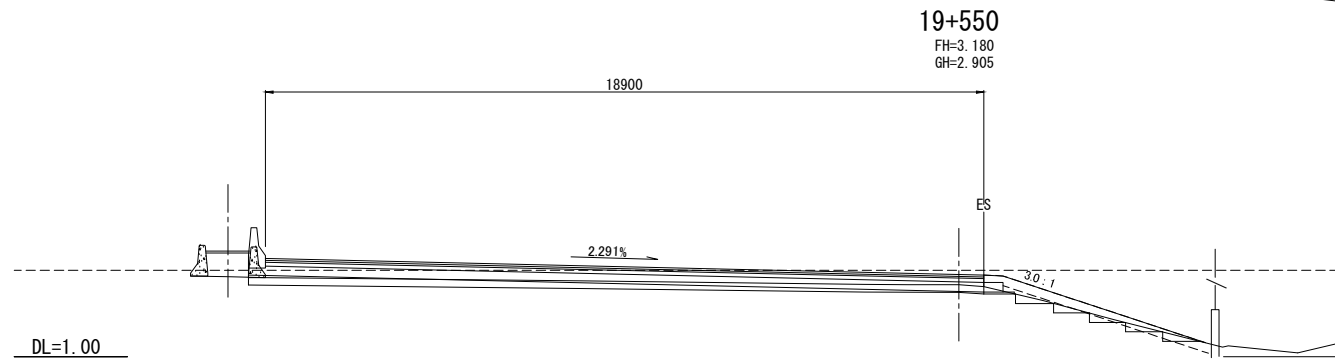
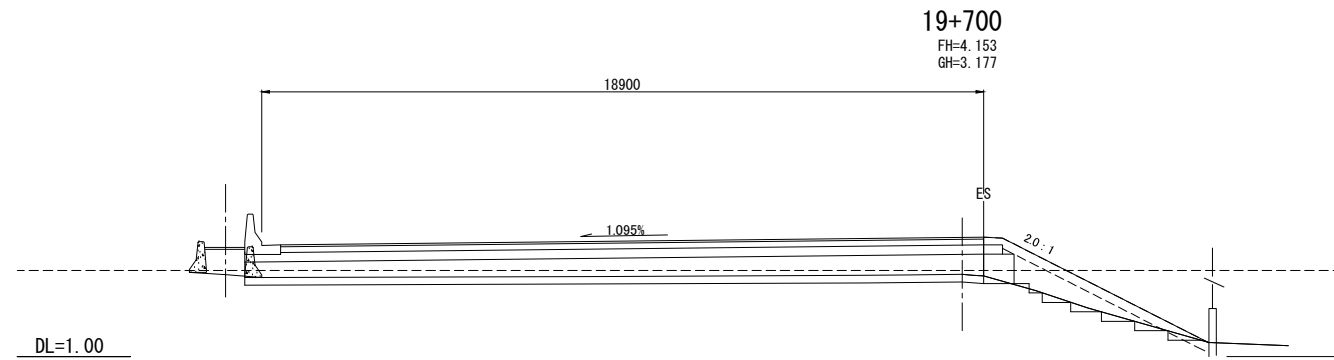
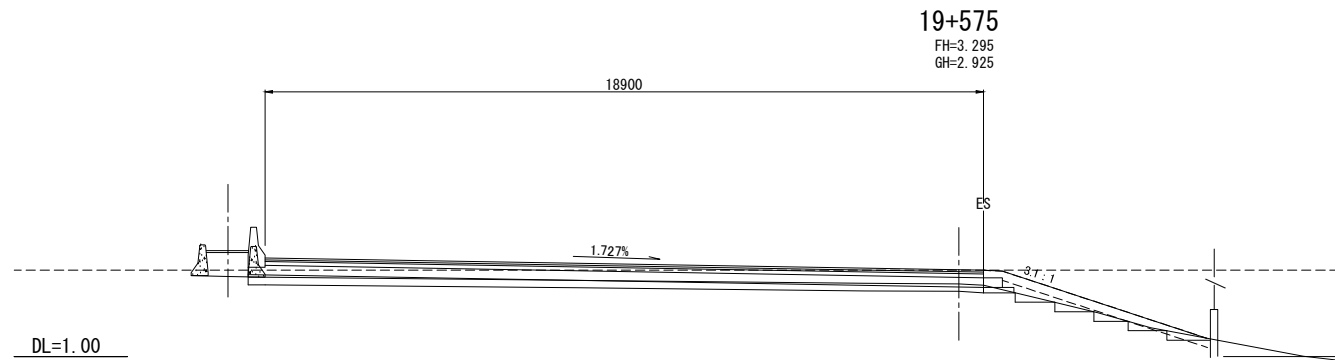
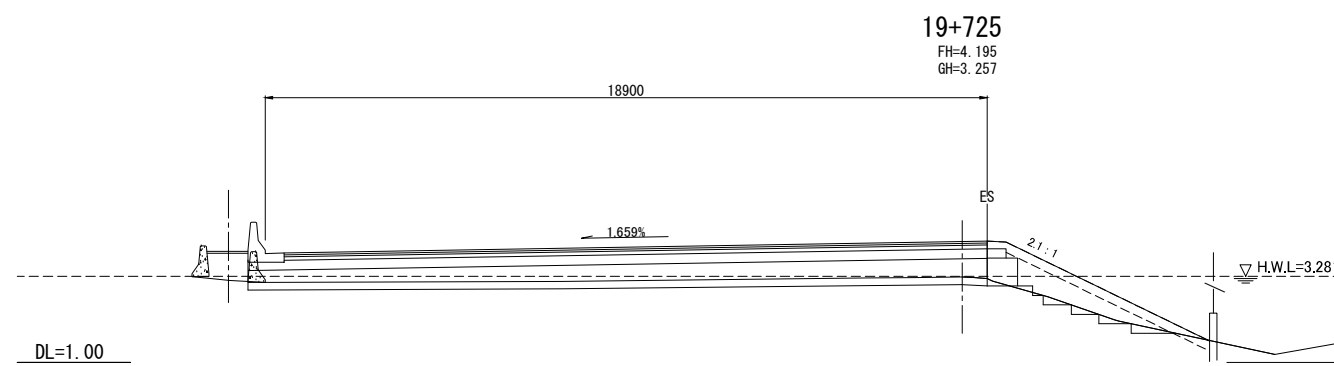
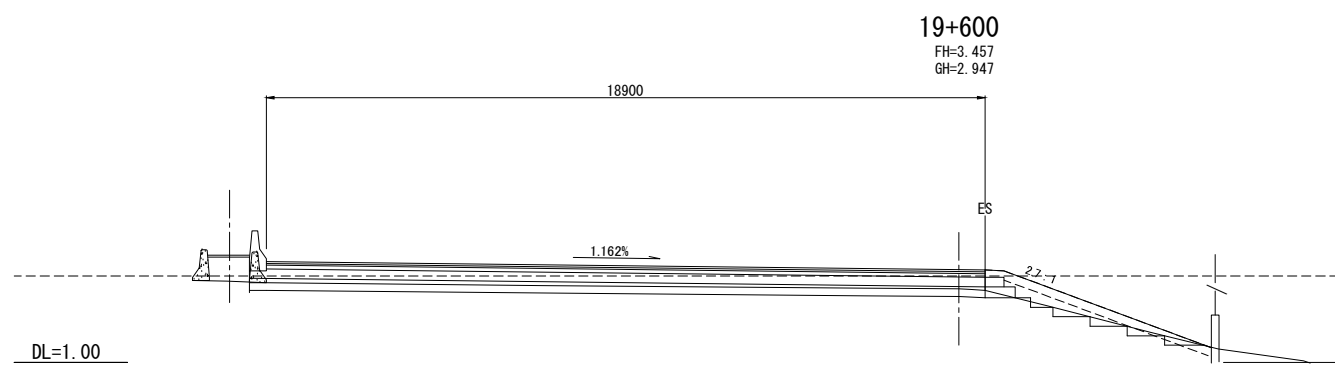


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|---------------|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-88 | SHEET NO. 93 |

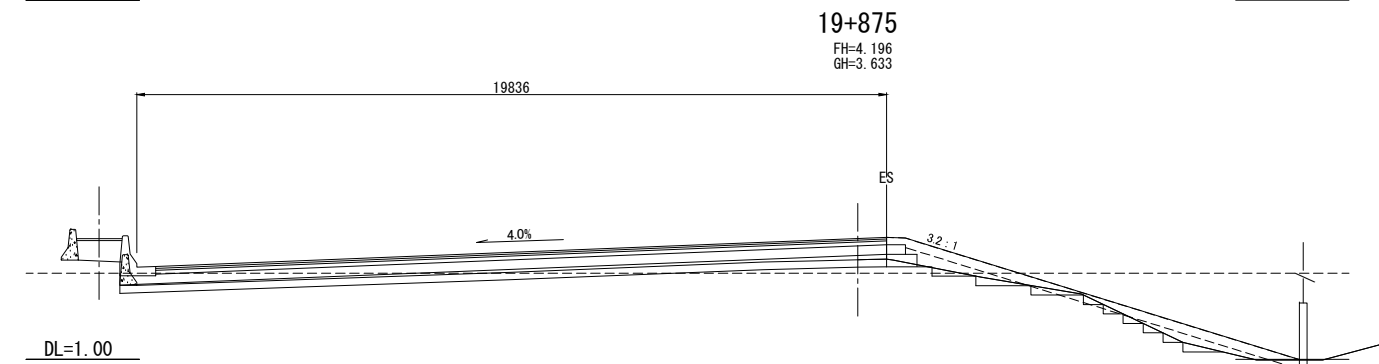
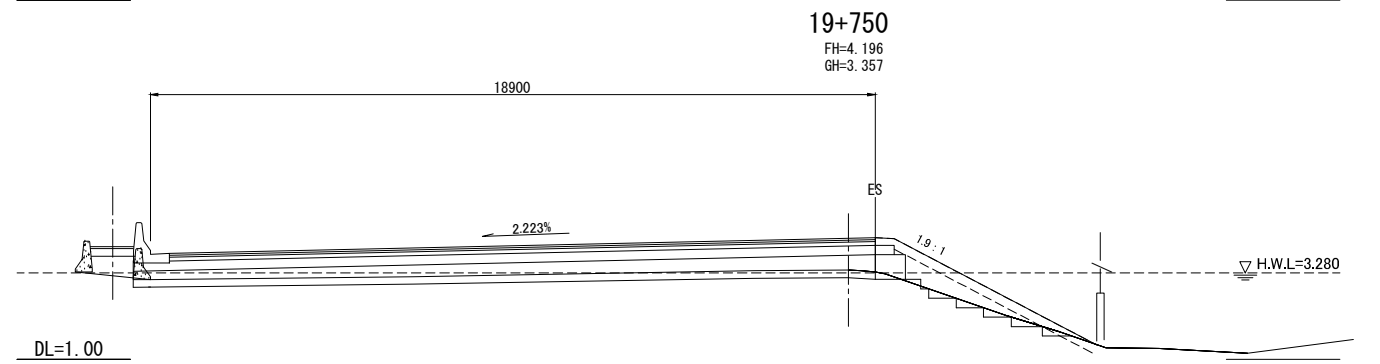
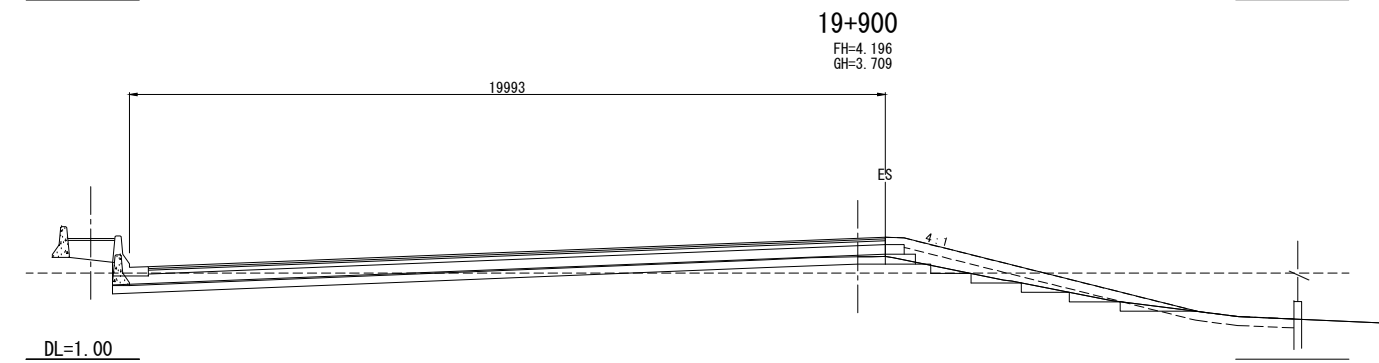
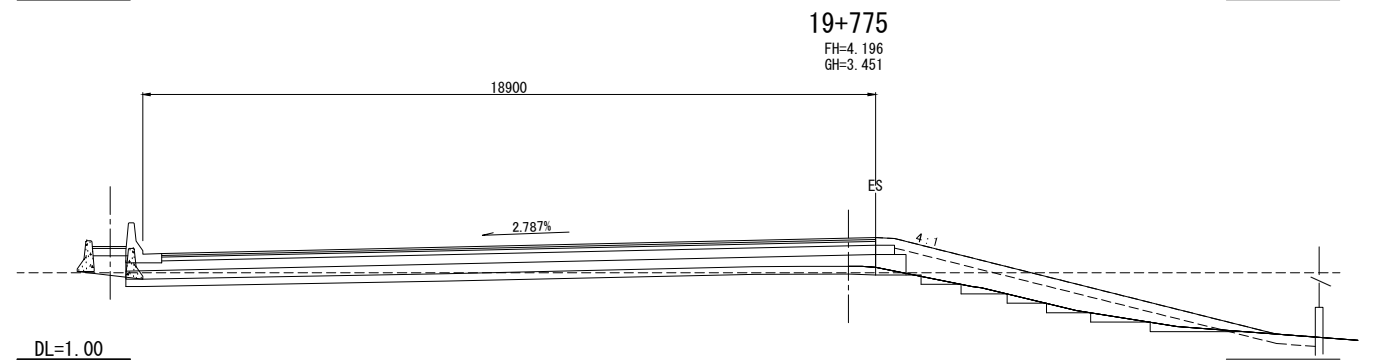
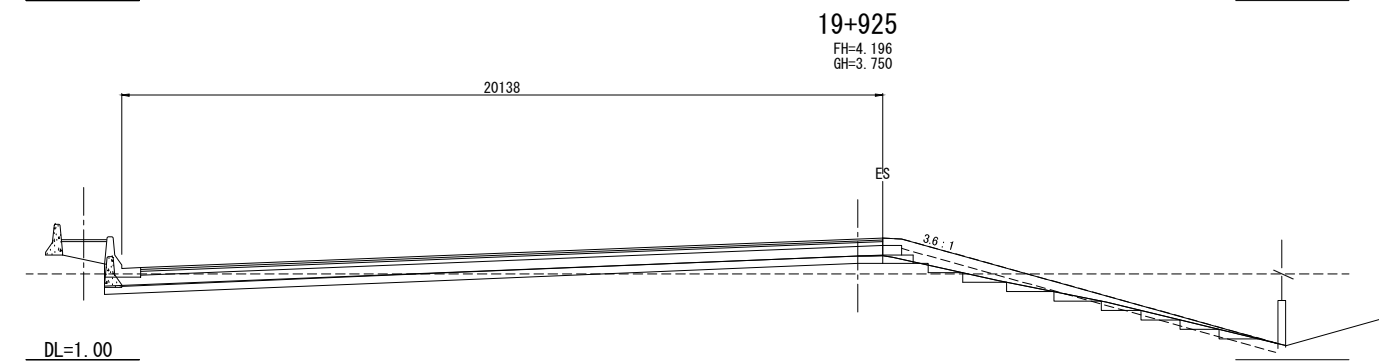
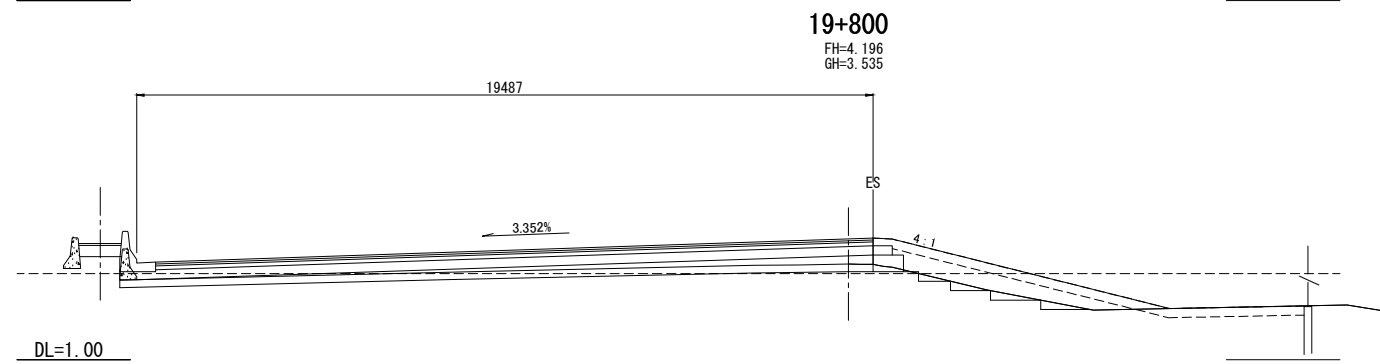
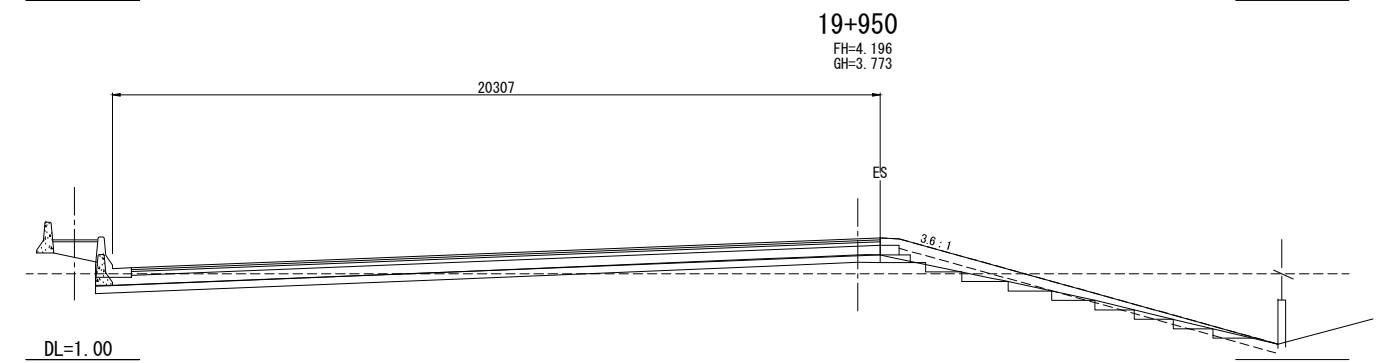
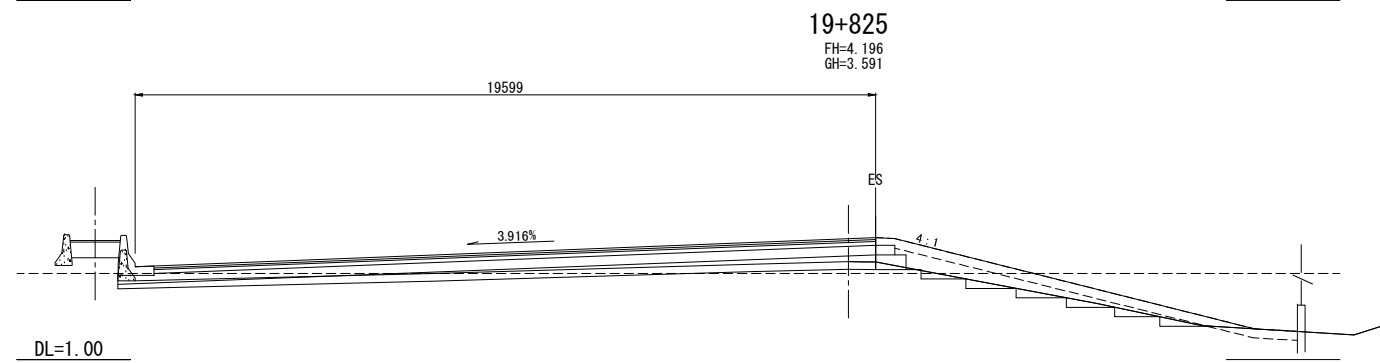
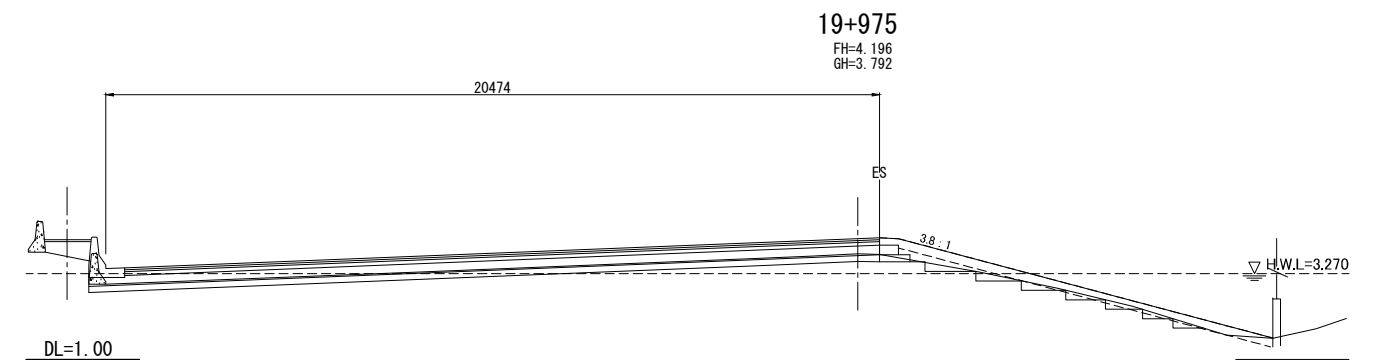
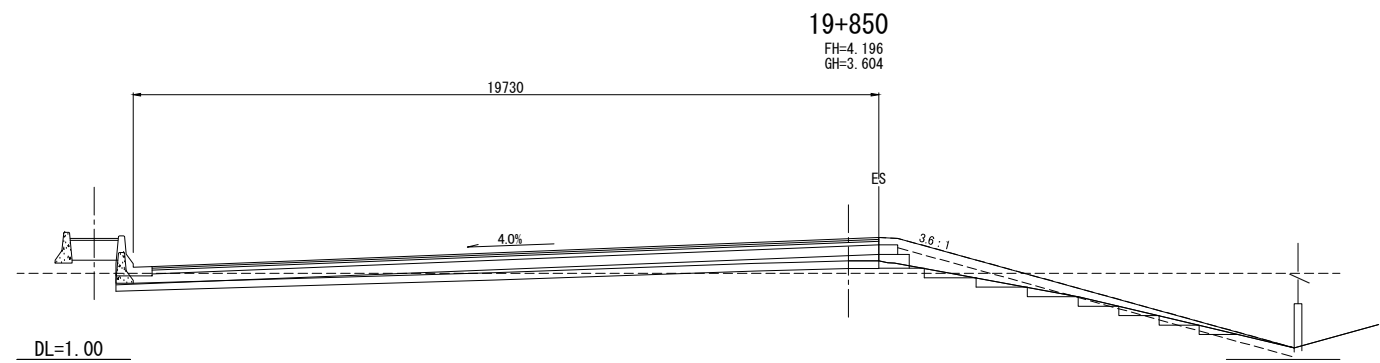
CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.



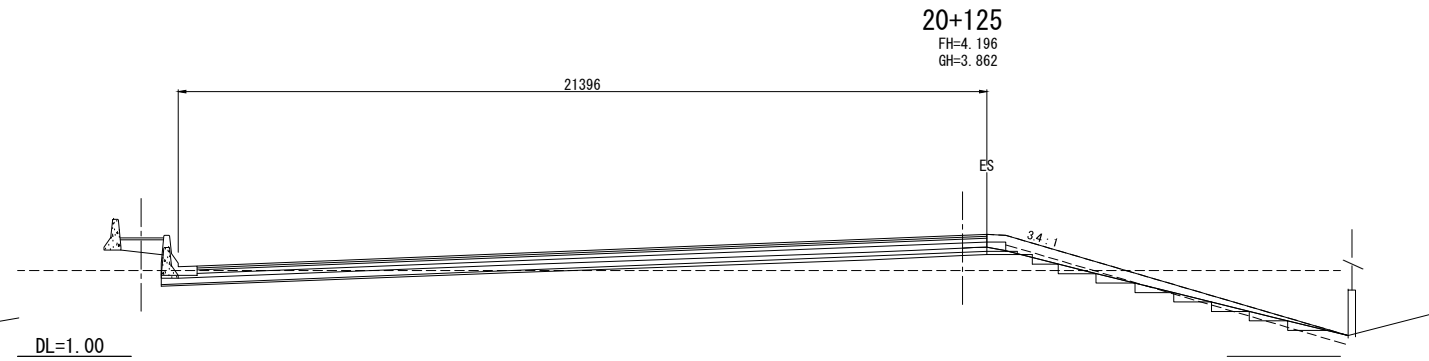
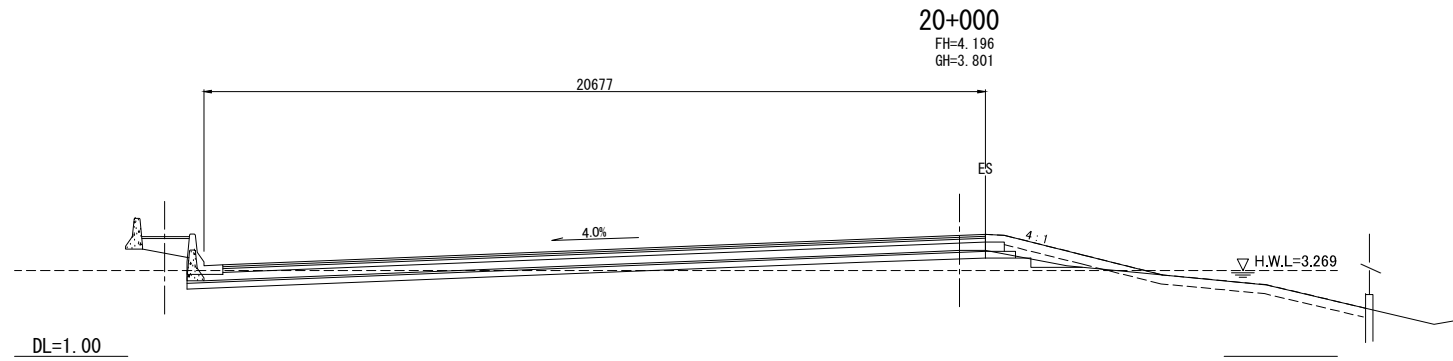
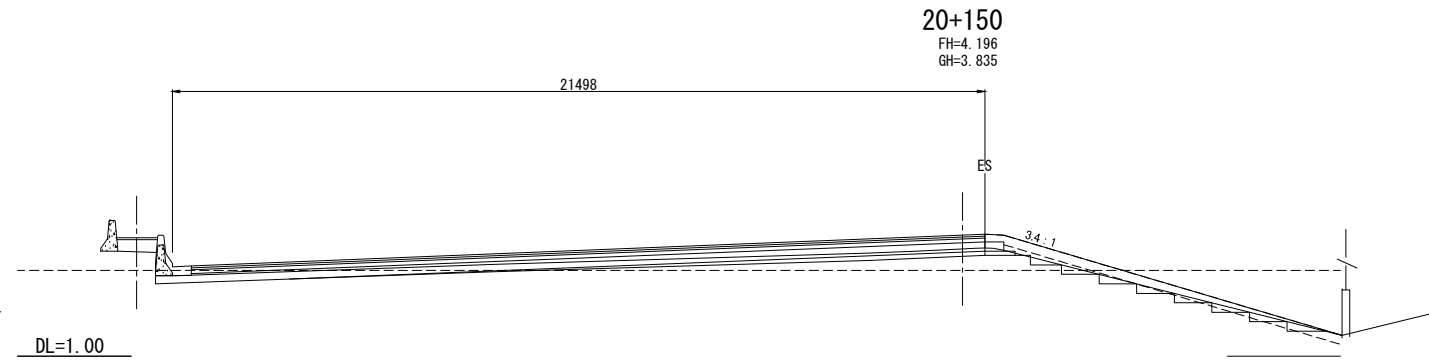
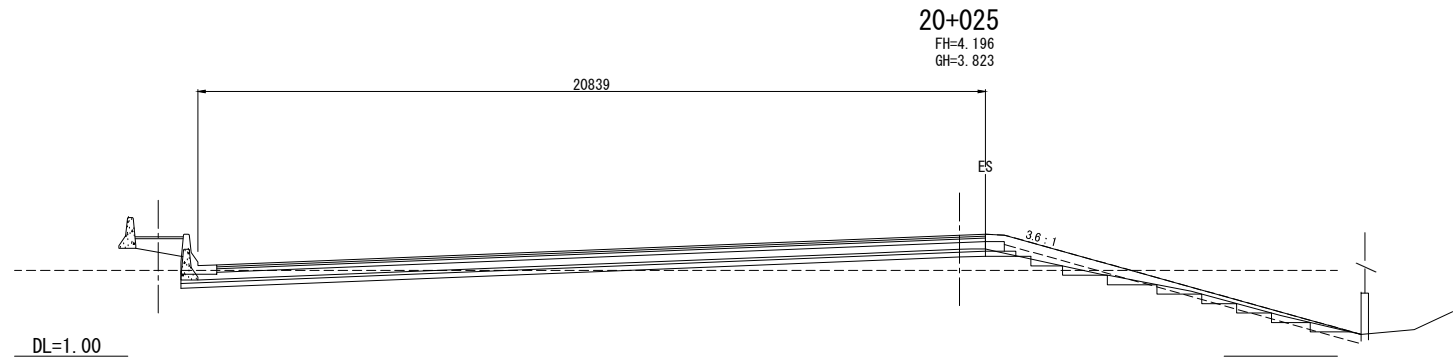
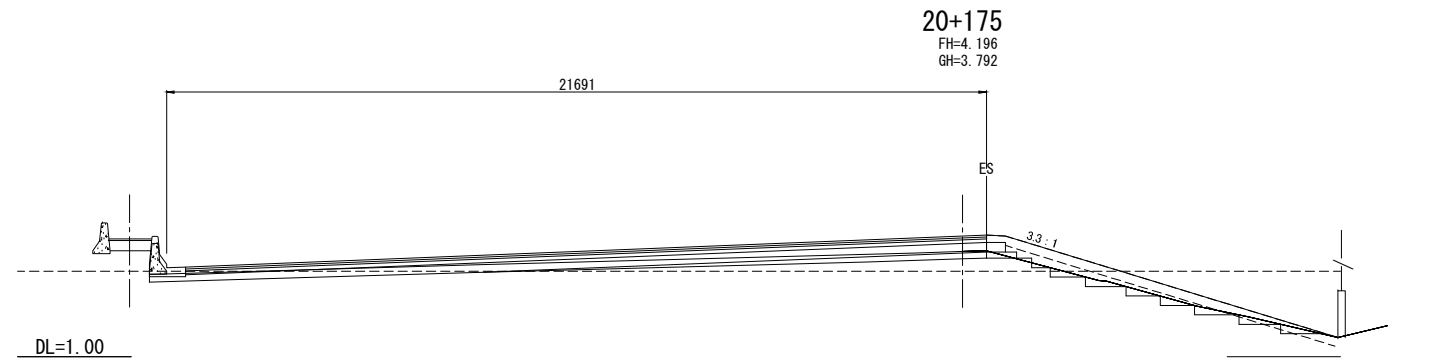
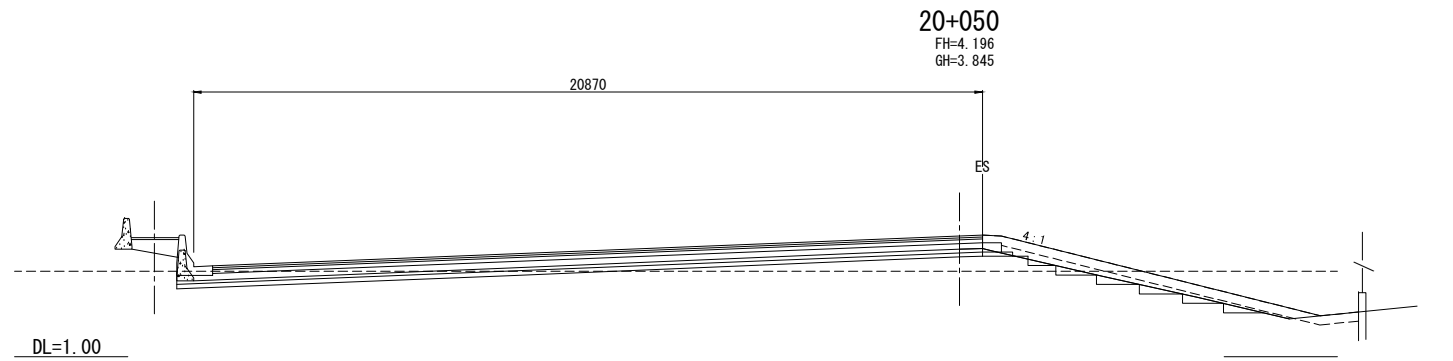
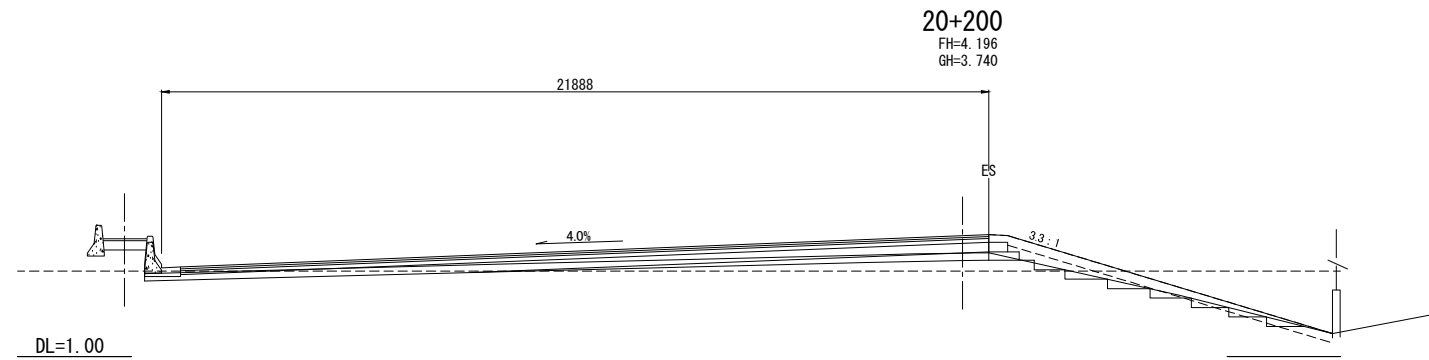
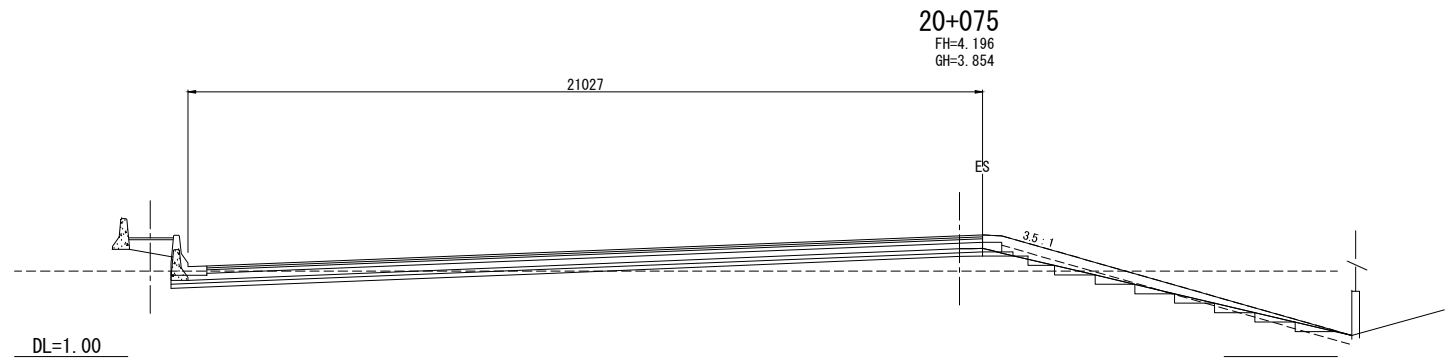
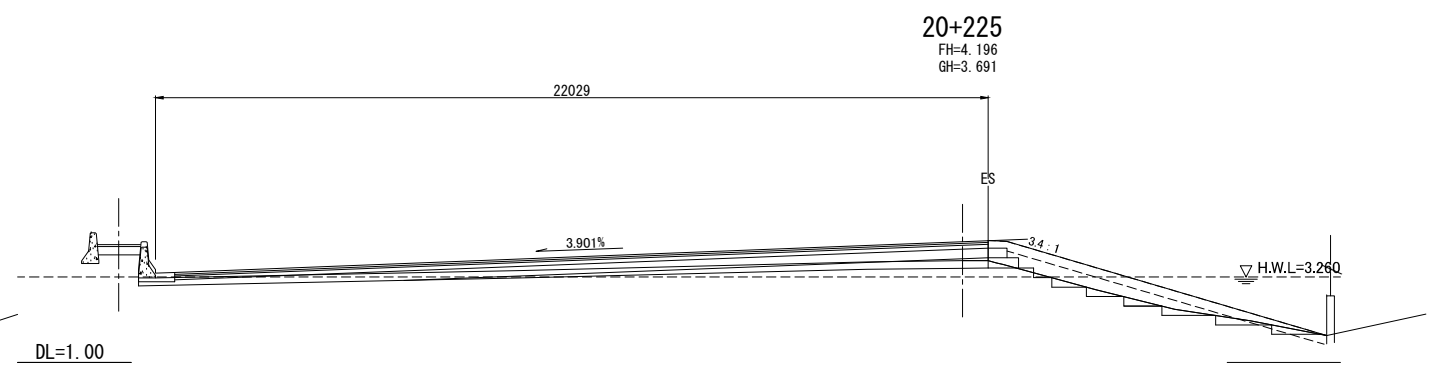
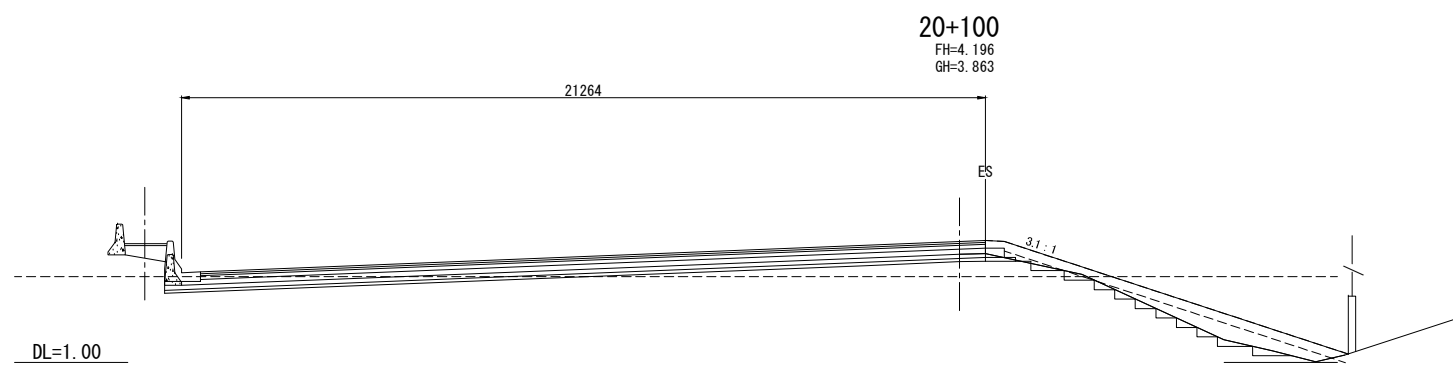
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|---------------|---|---|---|-------------------|-----------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-89 | SHEET NO. 94 |



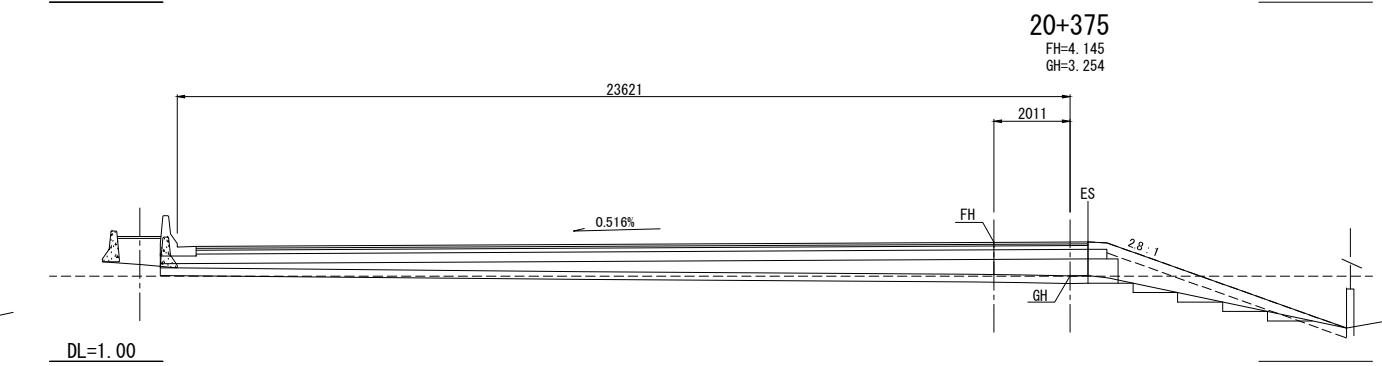
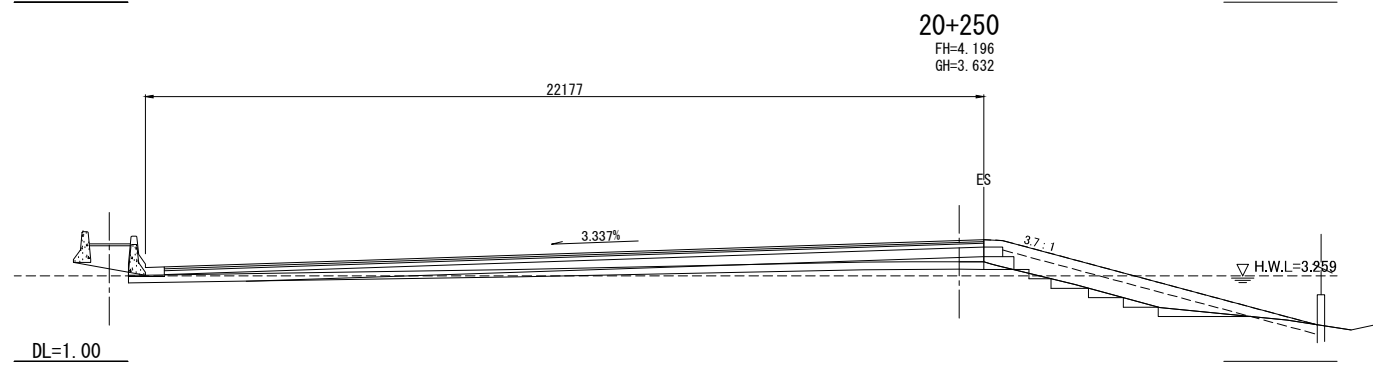
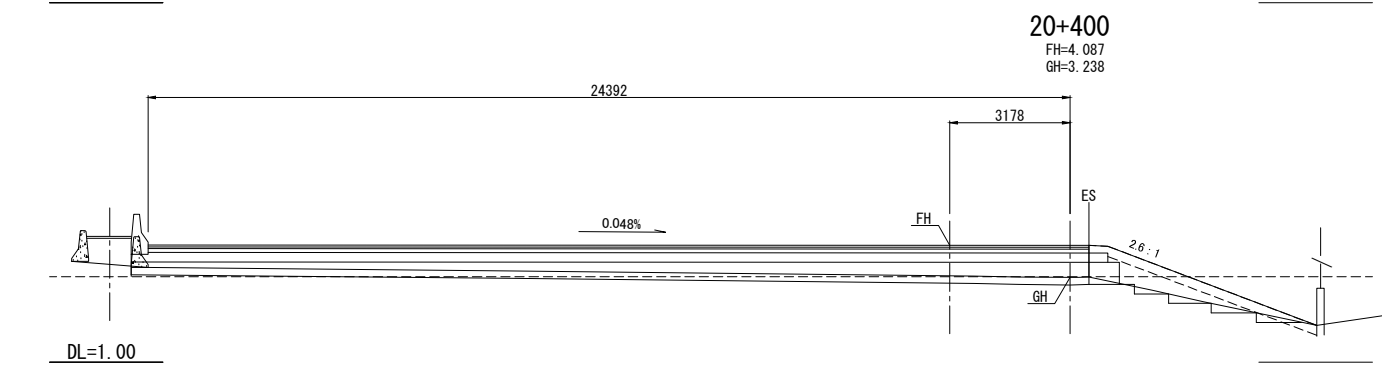
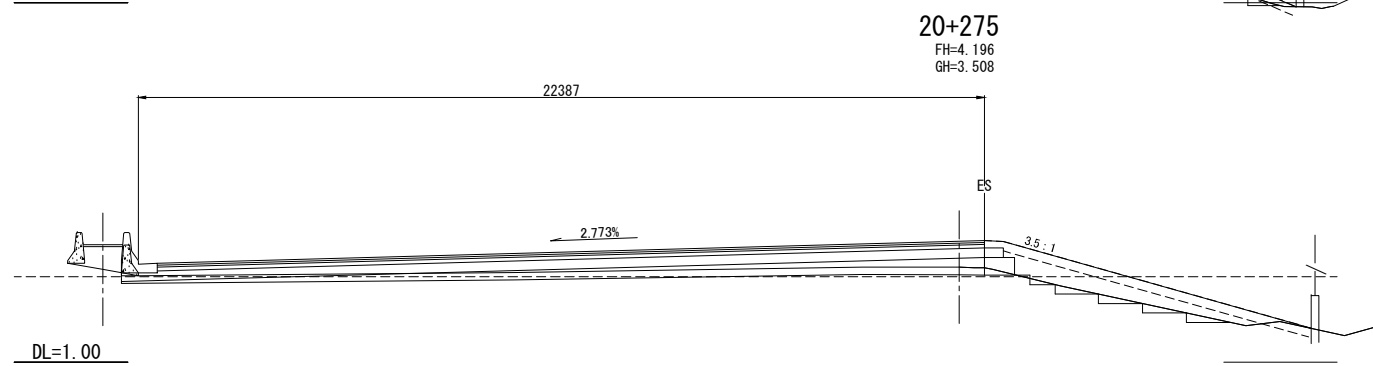
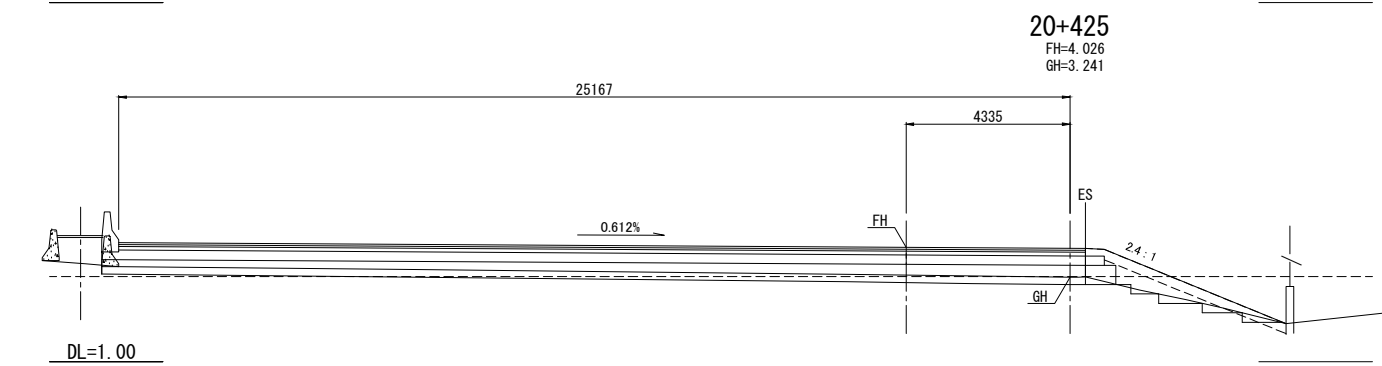
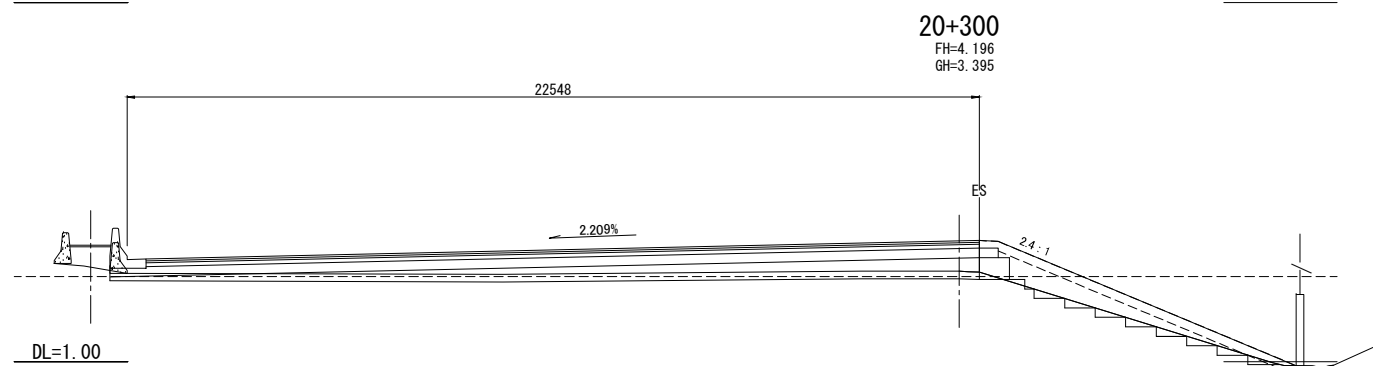
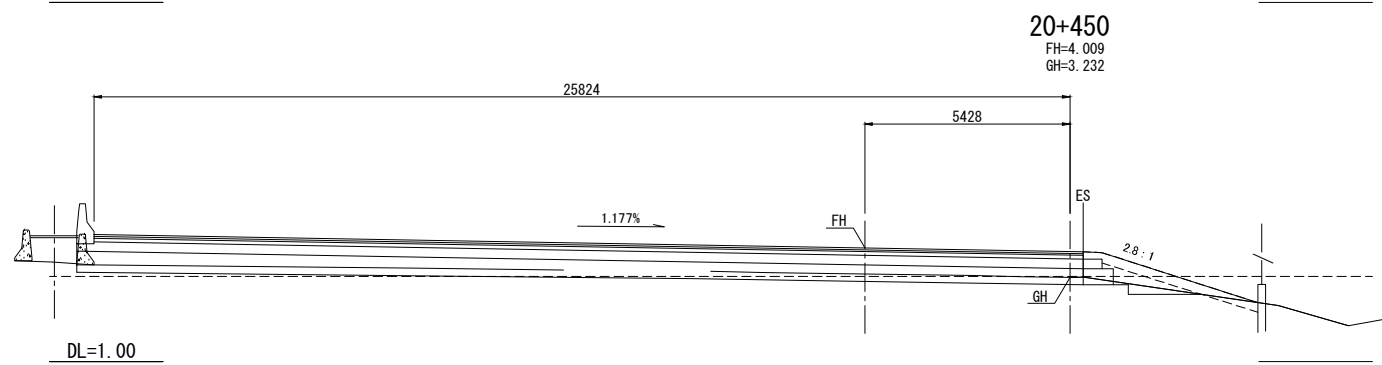
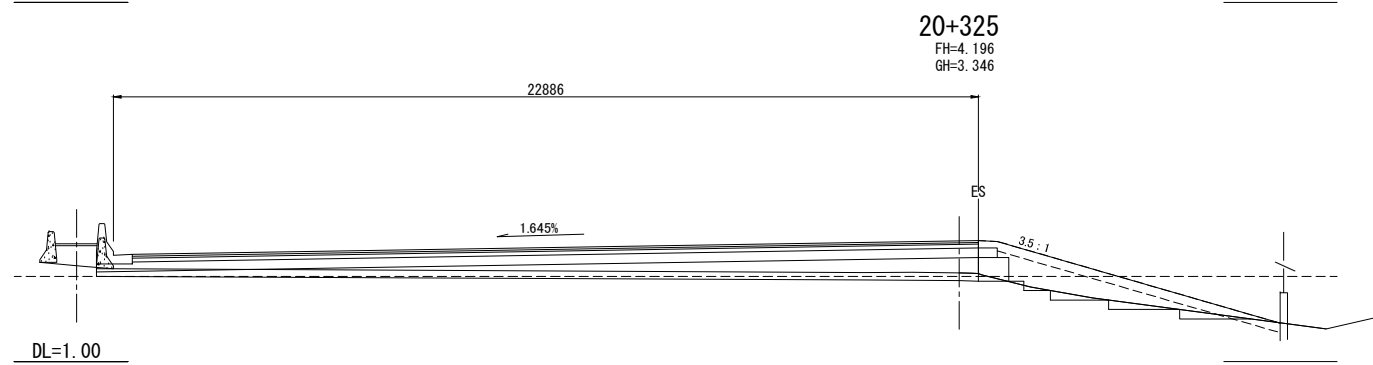
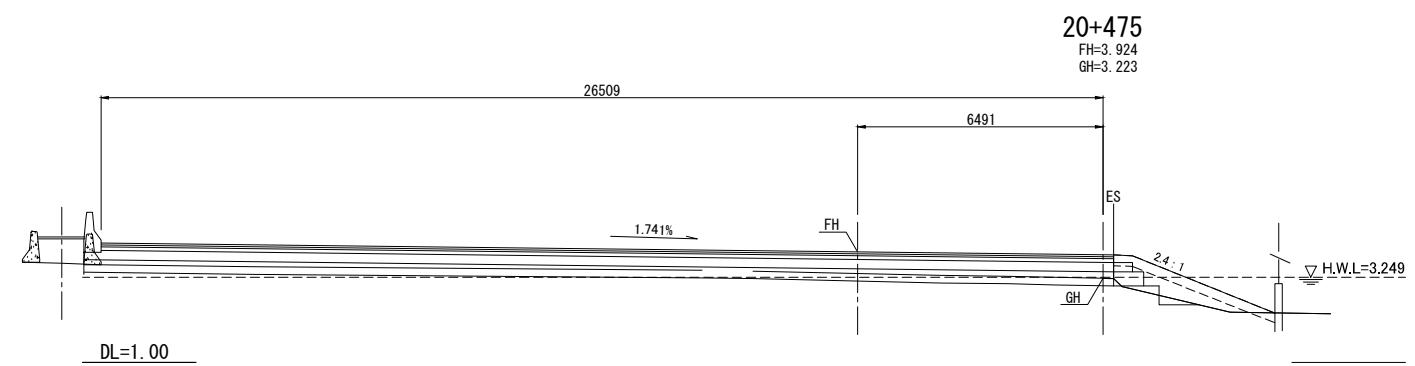
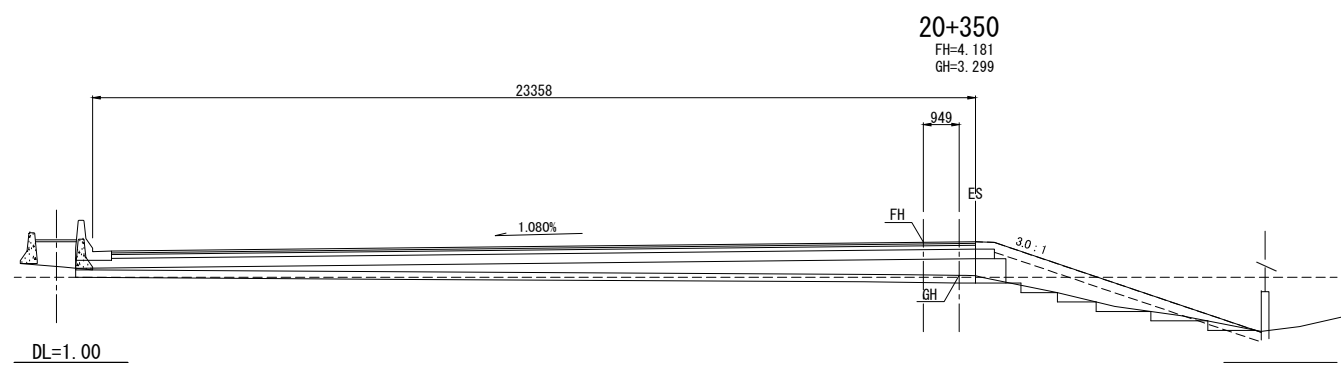
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|---------------|---|----------------------------------|-----------------------------------|--------------------------|------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-90 | SHEET NO. 95 |



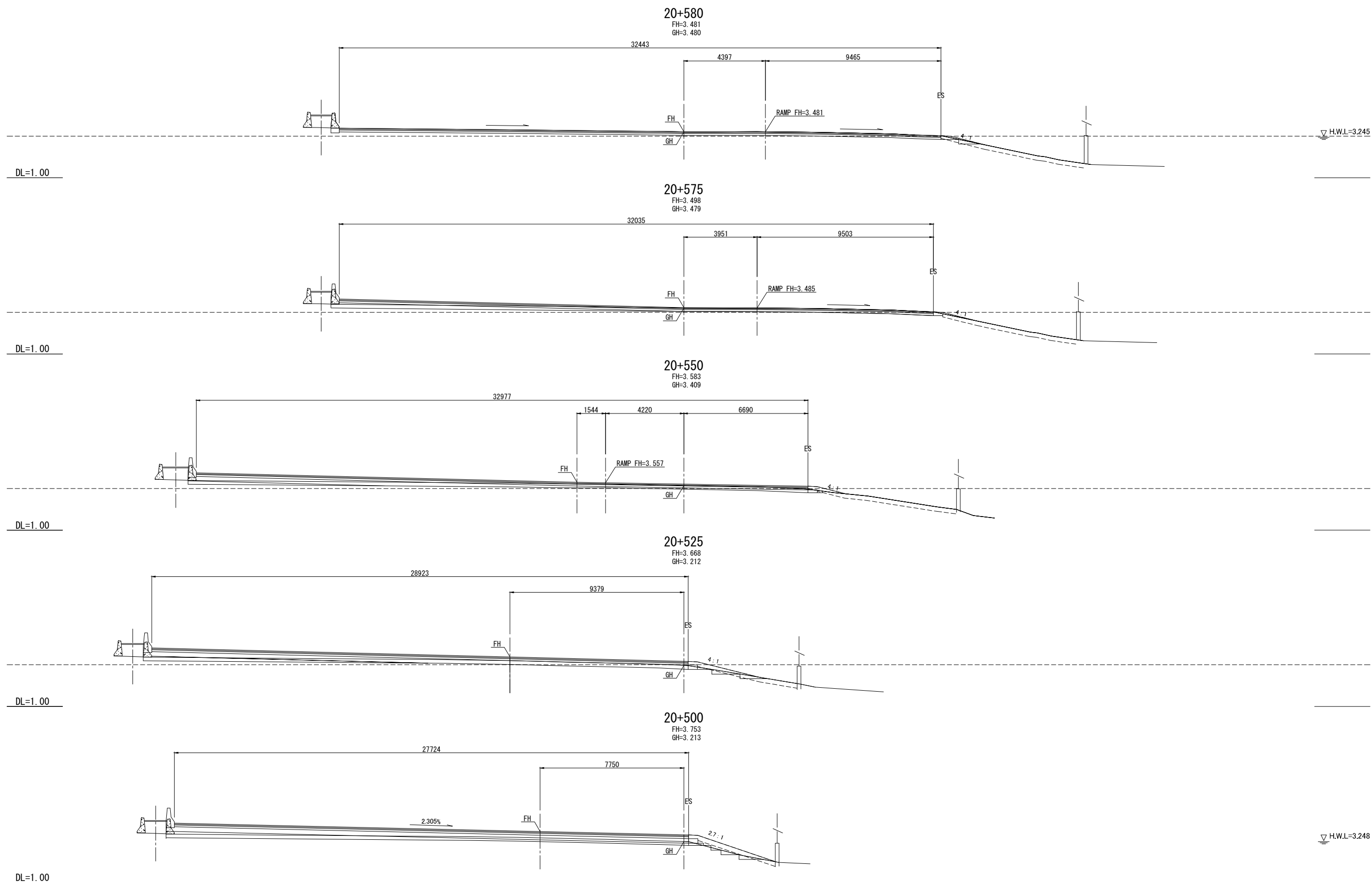
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|---------------|---|----------------------------------|-----------------------------------|--------------------------|------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-91 | SHEET NO. 96 |



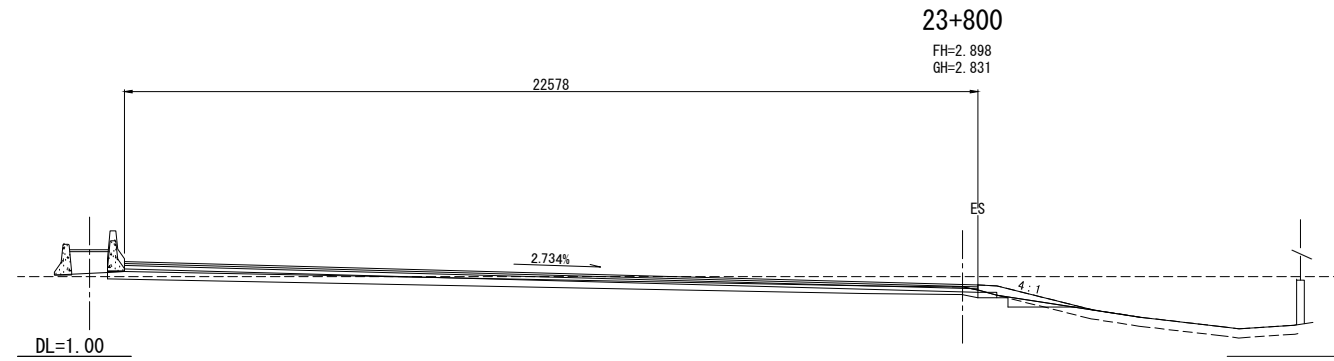
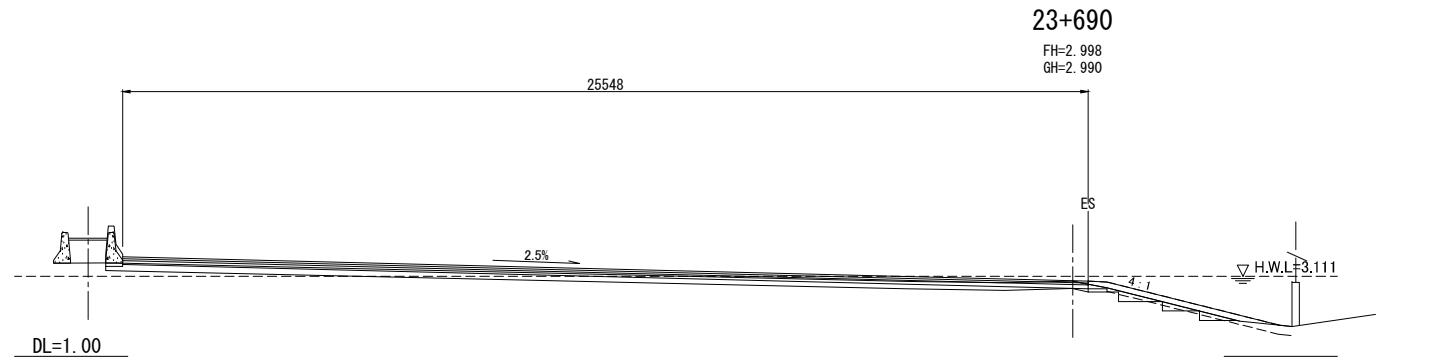
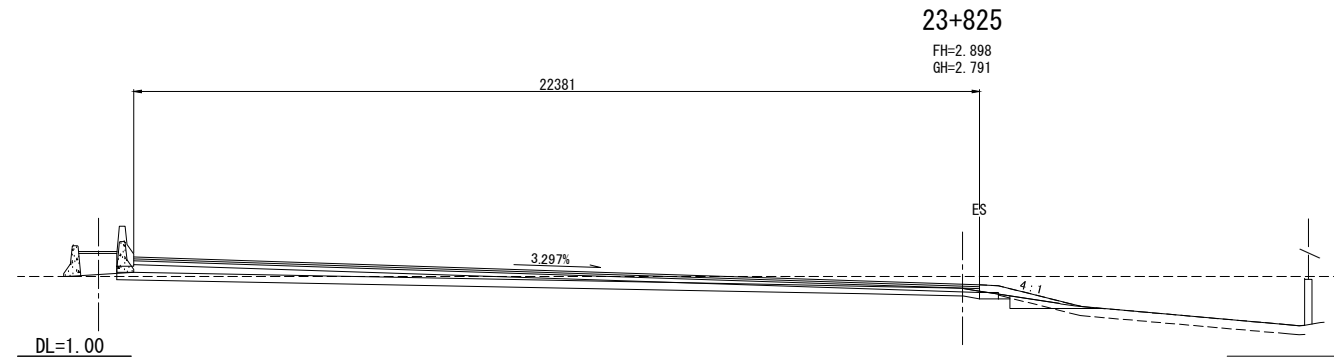
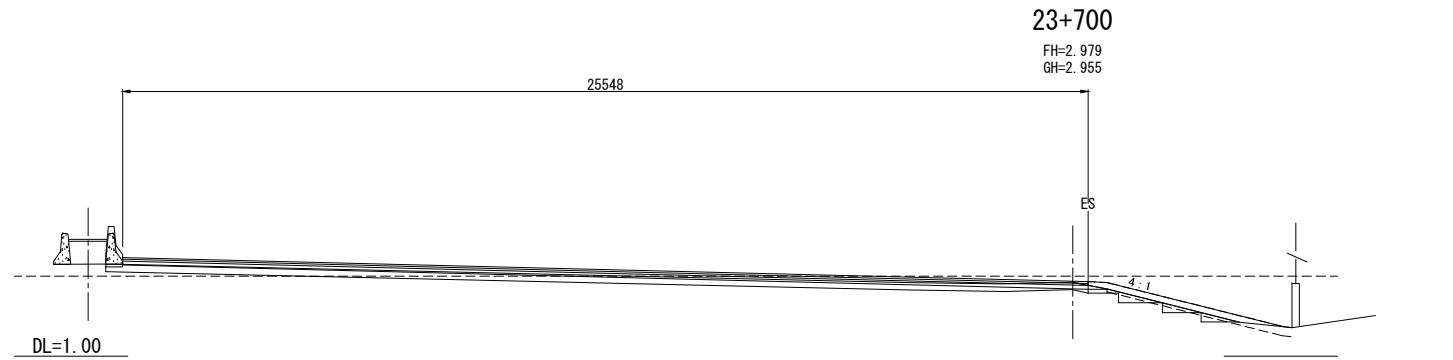
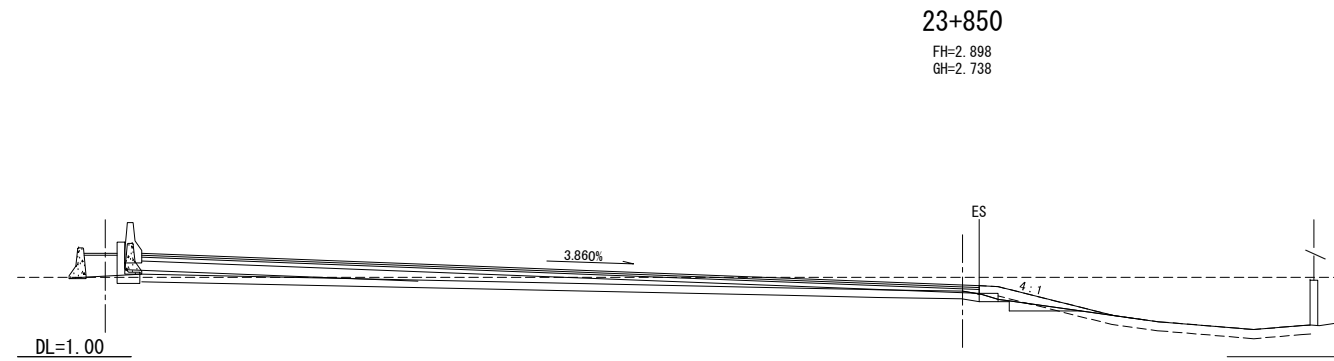
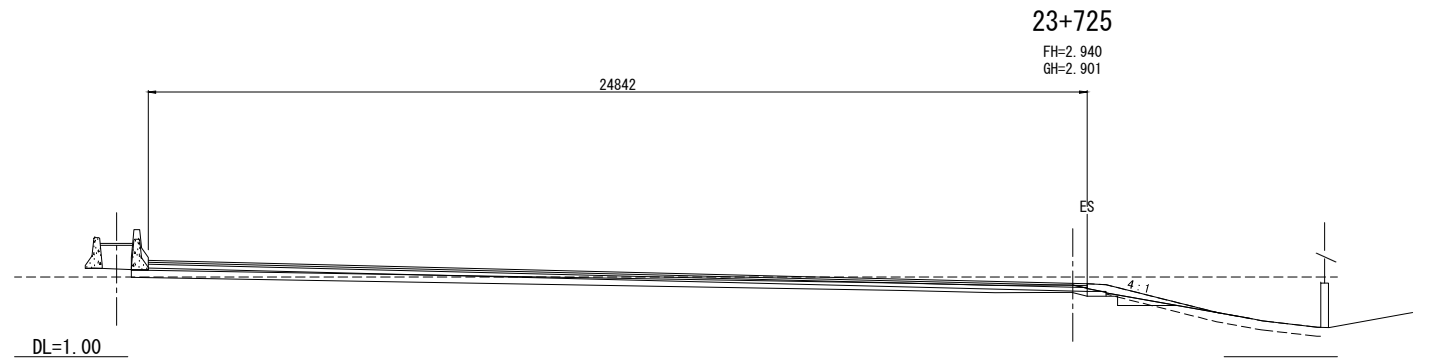
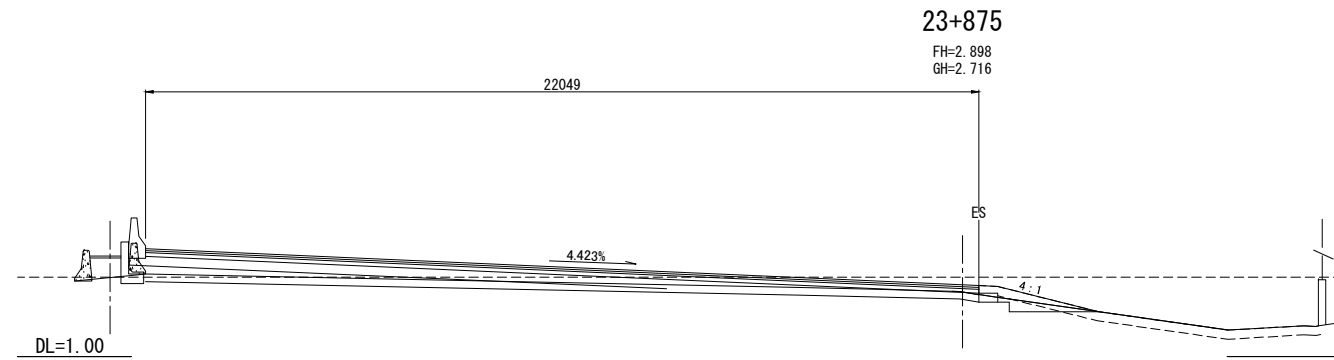
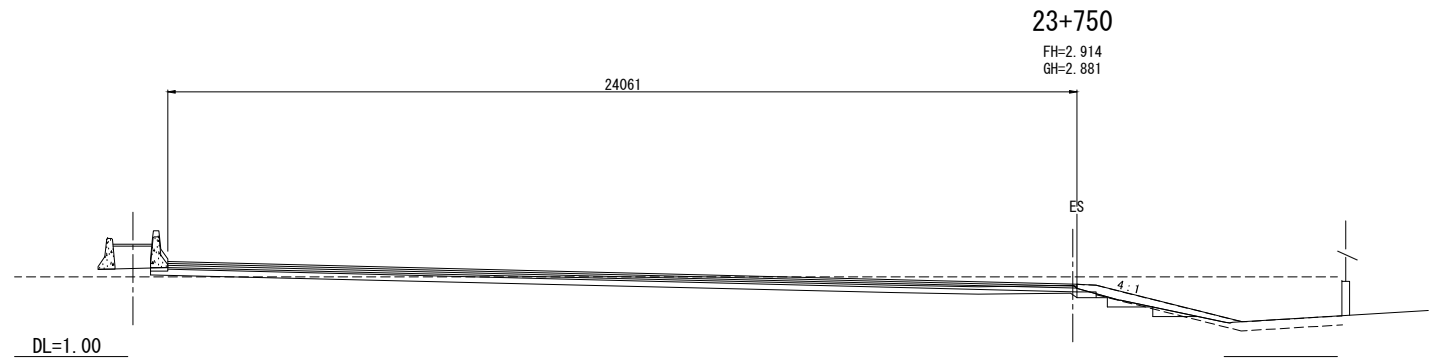
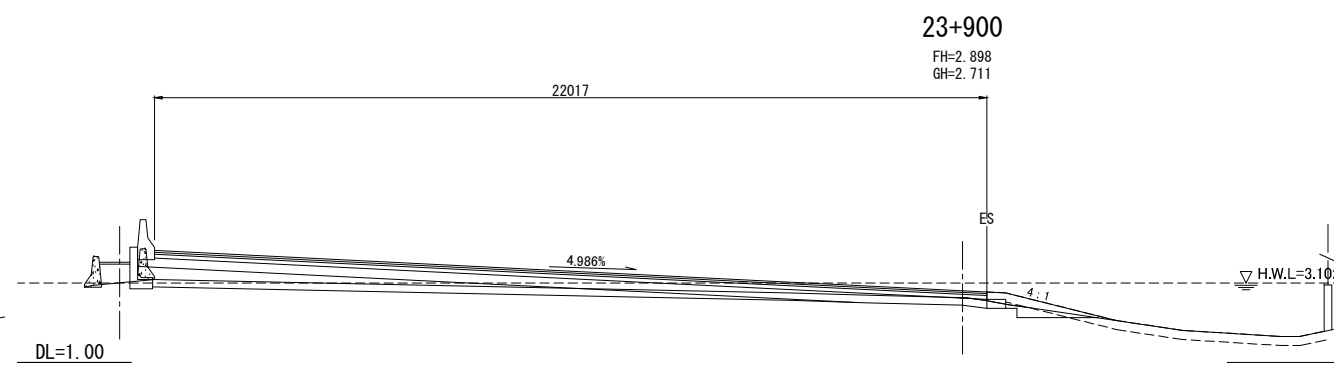
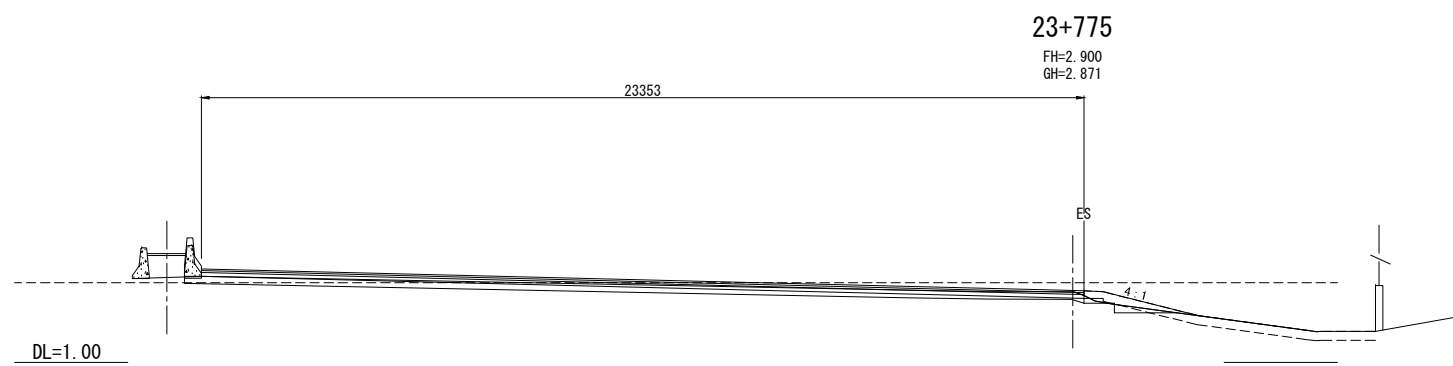
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE AUGUST 2012 | SCALE SCALE 1:100 |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|---------------------|----------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | CROSS SECTIONS (41 / 70) | | | | | DWG. NO. MW-92 | SHEET NO. 97 |



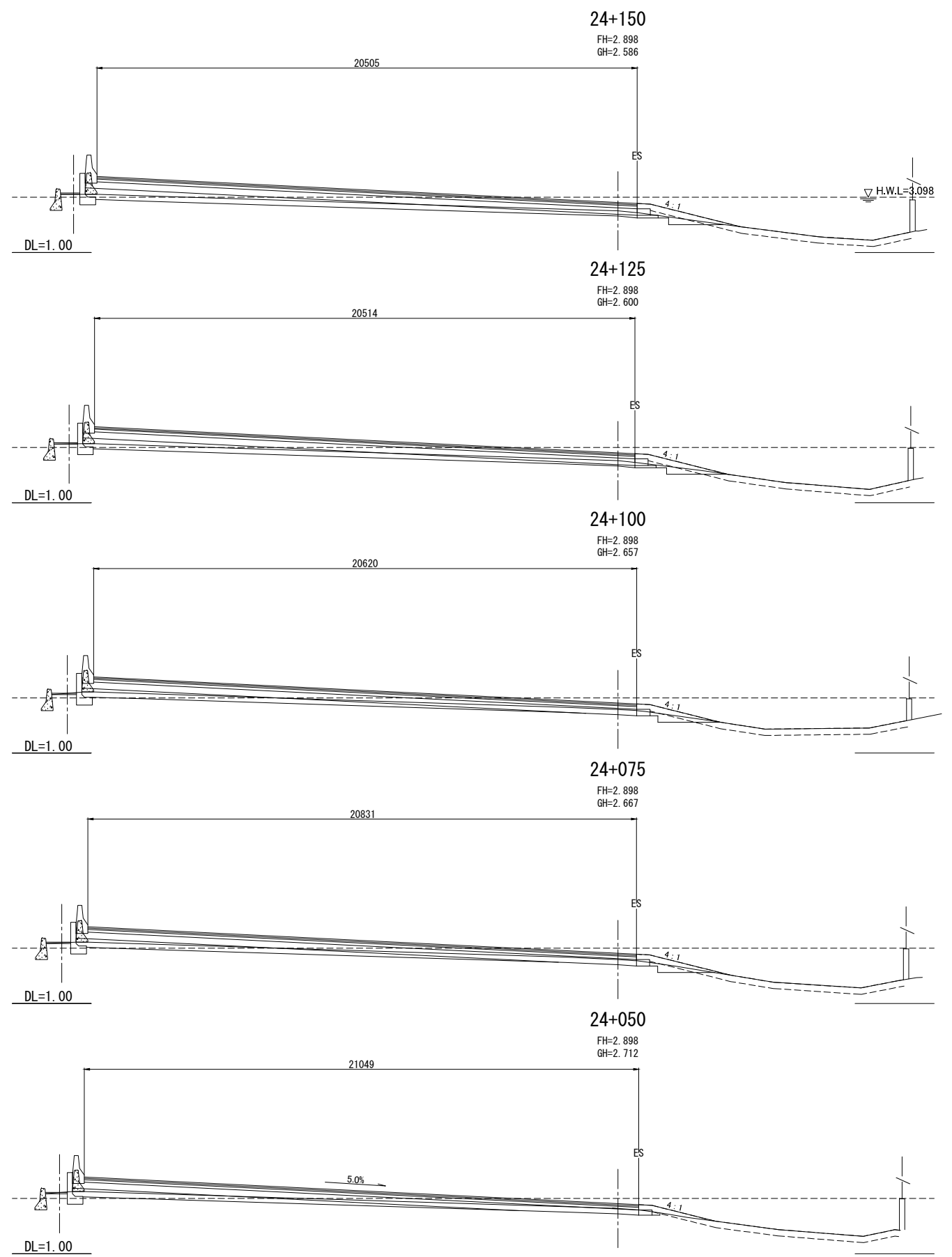
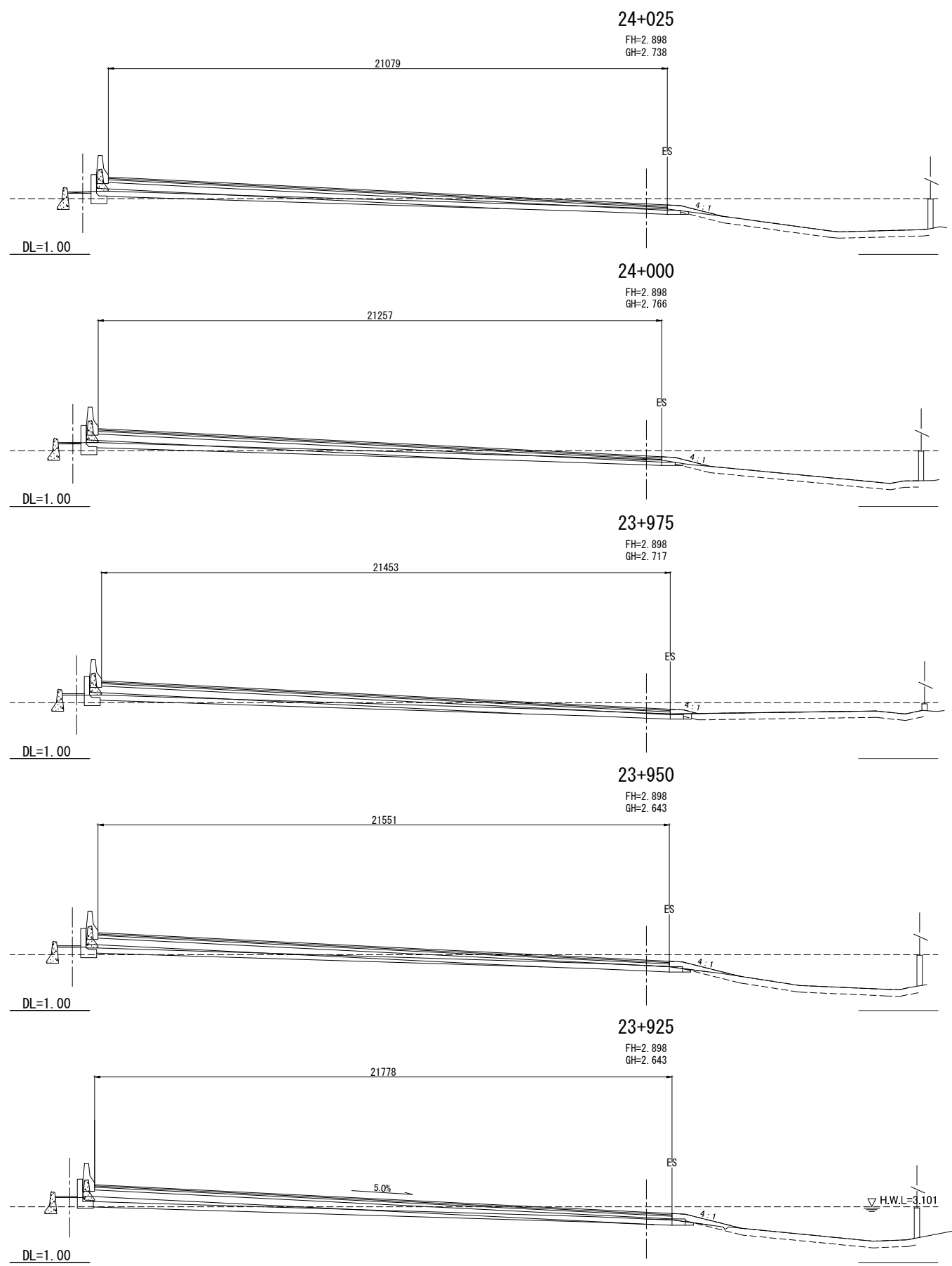
| | | | | | | | | | | | | | | |
|----------|-------------|----------------------------|-----------------------|----------|-------------|---|-------------------------------|---|--|--|---|---|---------------------|----------------------|
| REV. NO. | DESCRIPTION | ENGINEER CHECKED DATE | DOH CHECKED DATE | REV. NO. | APPROVED BY | <p>KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS</p> | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE AUGUST 2012 | SCALE SCALE 1:100 |
| | | | | | | | CROSS SECTIONS (42 / 70) | | | | | | | DWG. NO. MW-93 |



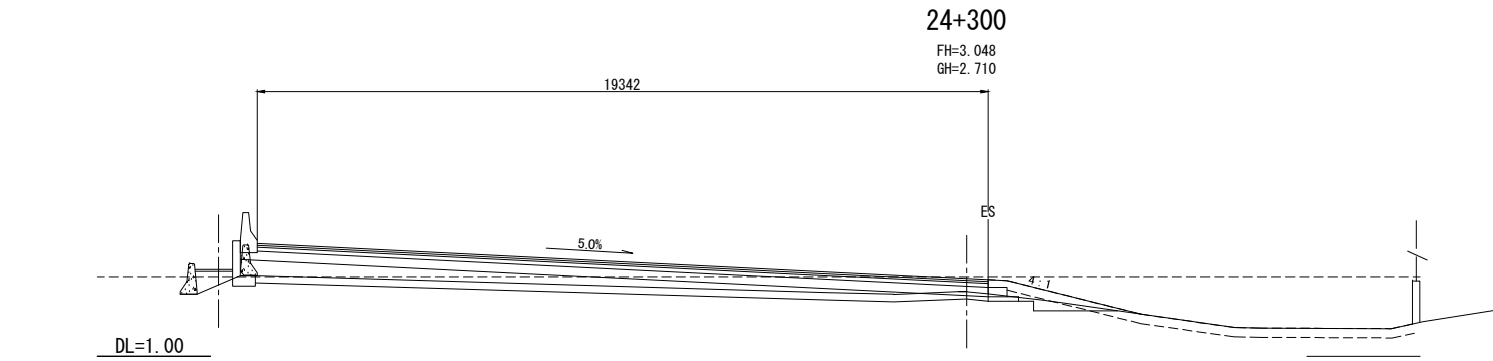
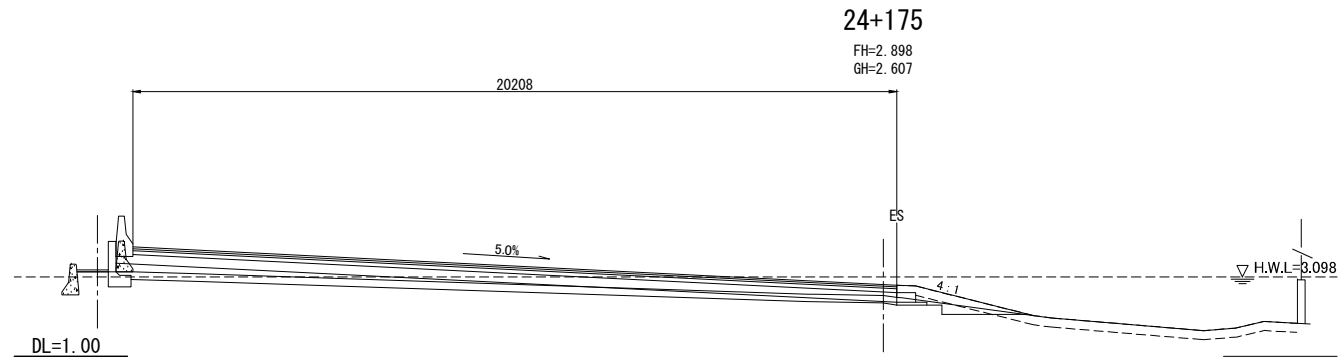
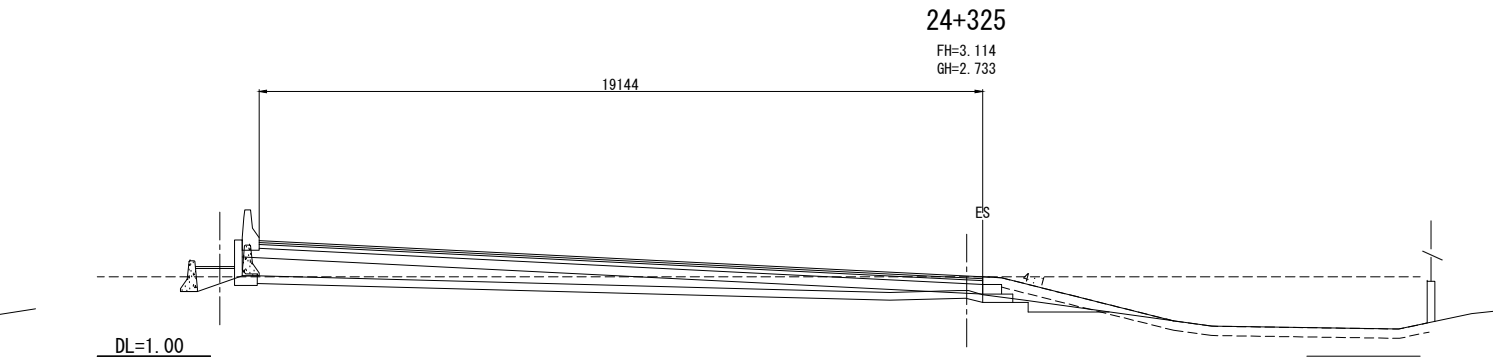
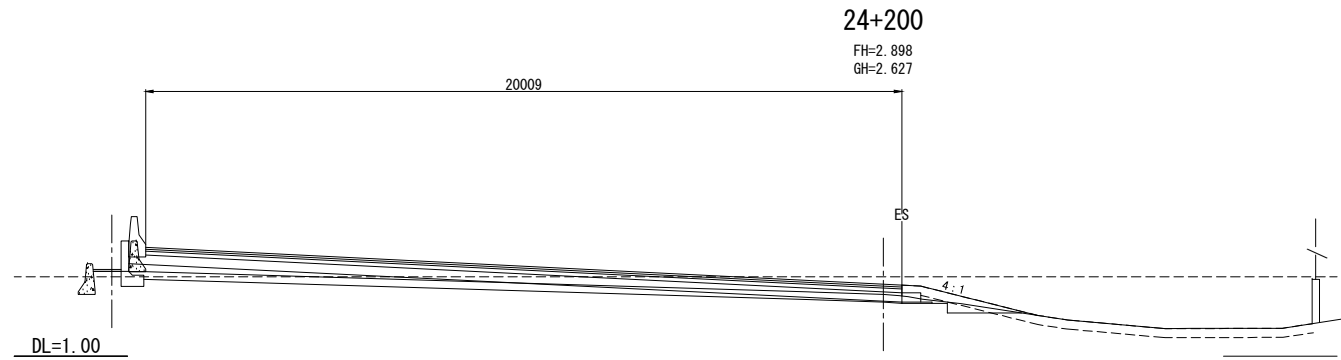
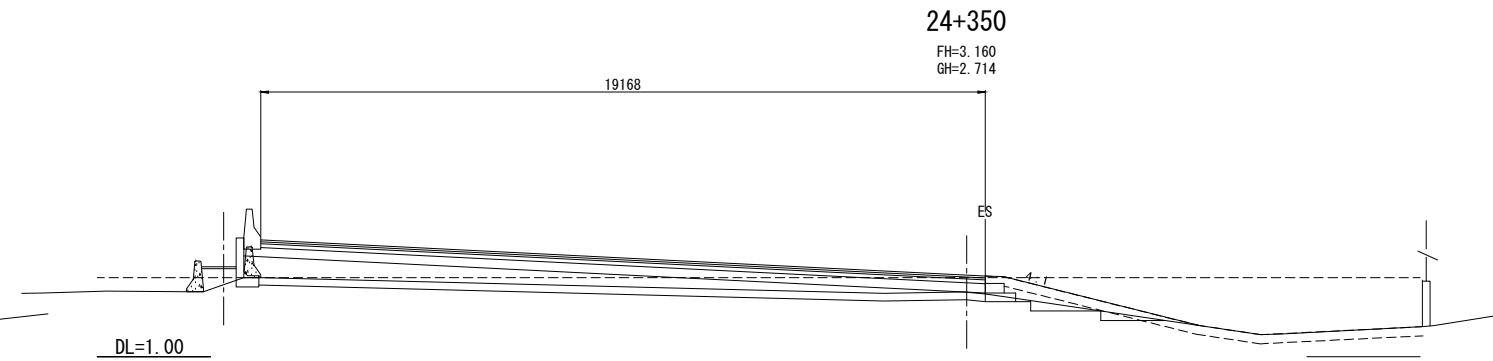
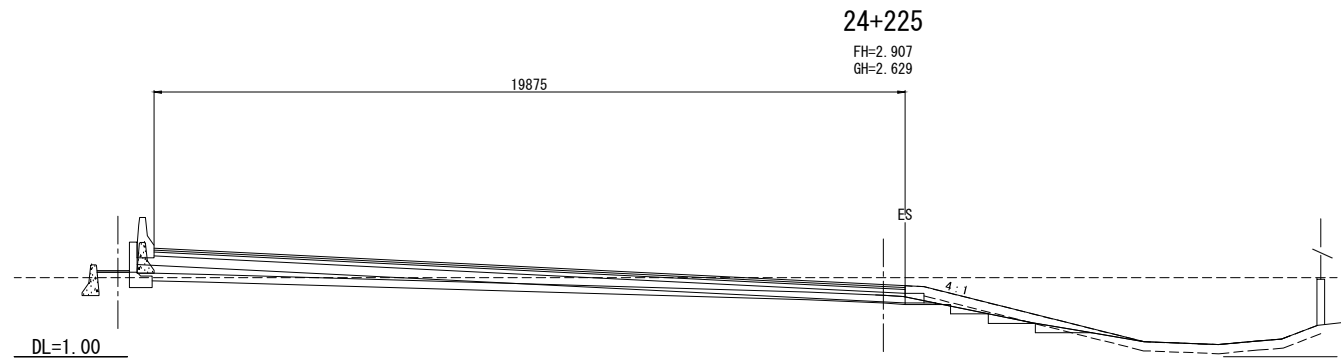
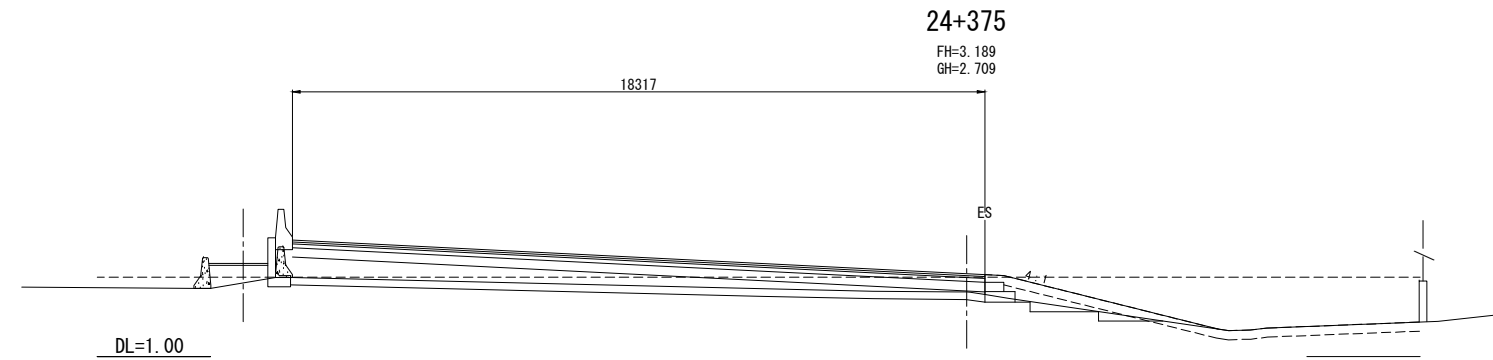
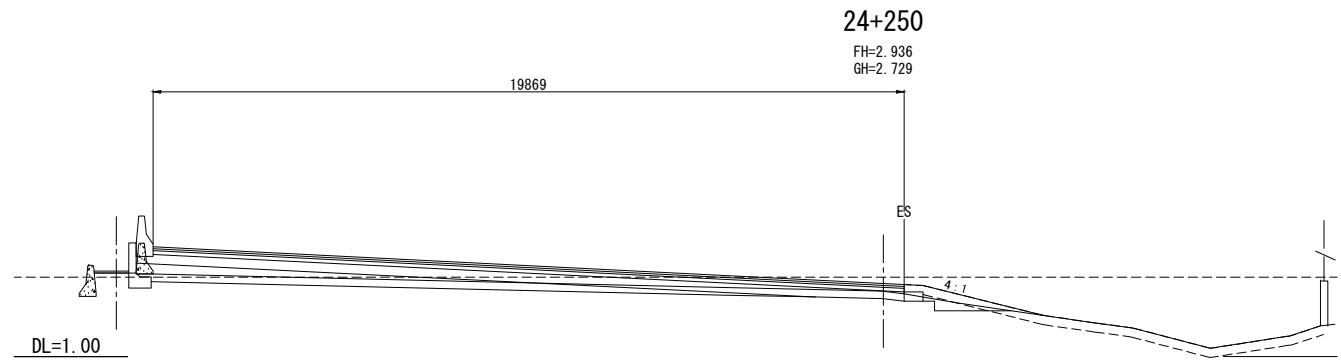
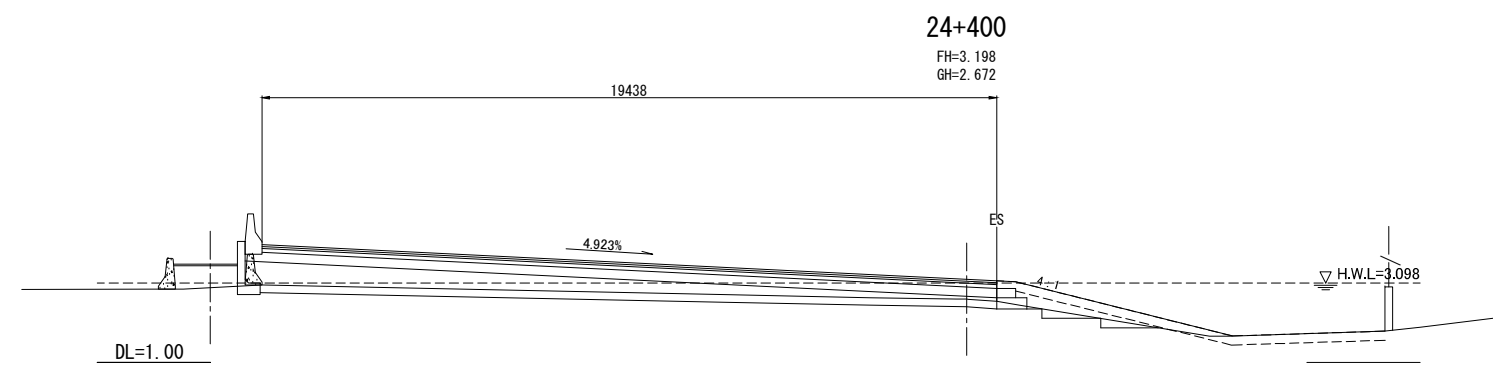
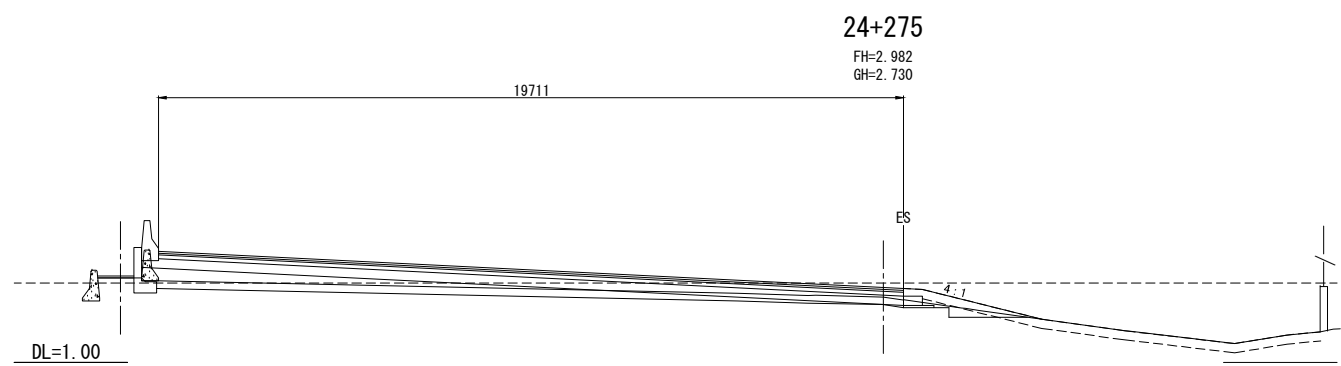
| | | | | | | | | | | | | | | | | |
|----------|-------------|----------|------|---------|------|----------|-------------|---|-------------------------------|--|---|---|----------------------------------|-----------------------------------|-------------|-------------|
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER | PROJECT TITLE | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE : | SCALE : |
| | | CHECKED | DATE | CHECKED | DATE | | | | CROSS SECTIONS (43 / 70) | The Inter-City Motorways Division Department of Highways Ministry of Transport | The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. | SHEET NO. | |
| | | | | | | | | | | | | | | MW-94 | 99 | |



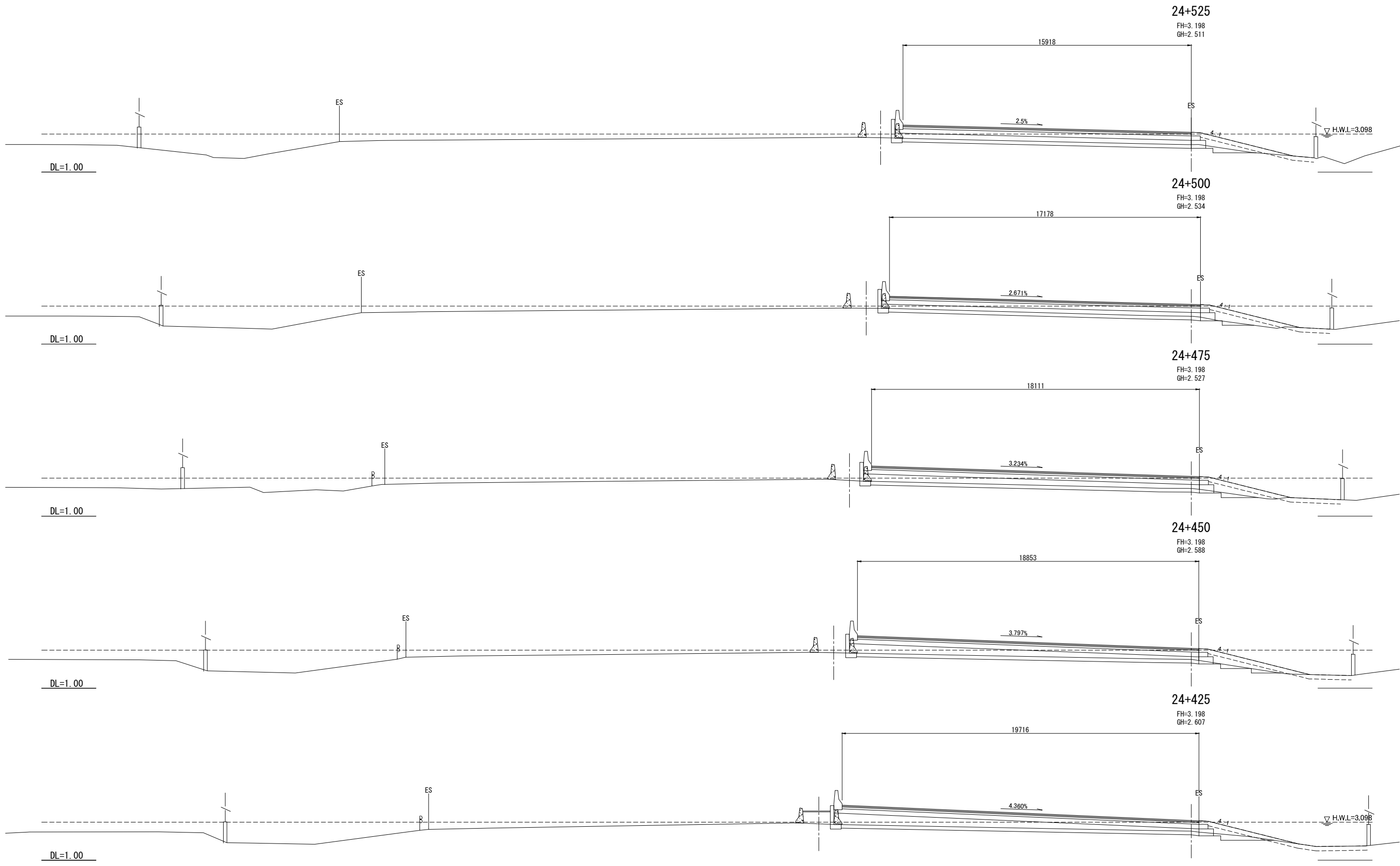
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-95 | SHEET NO. 100 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-----------------------------|---|--|---|---|-------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (45 / 70) | | | | | DWG. NO. MW-96 | SHEET NO. 101 |

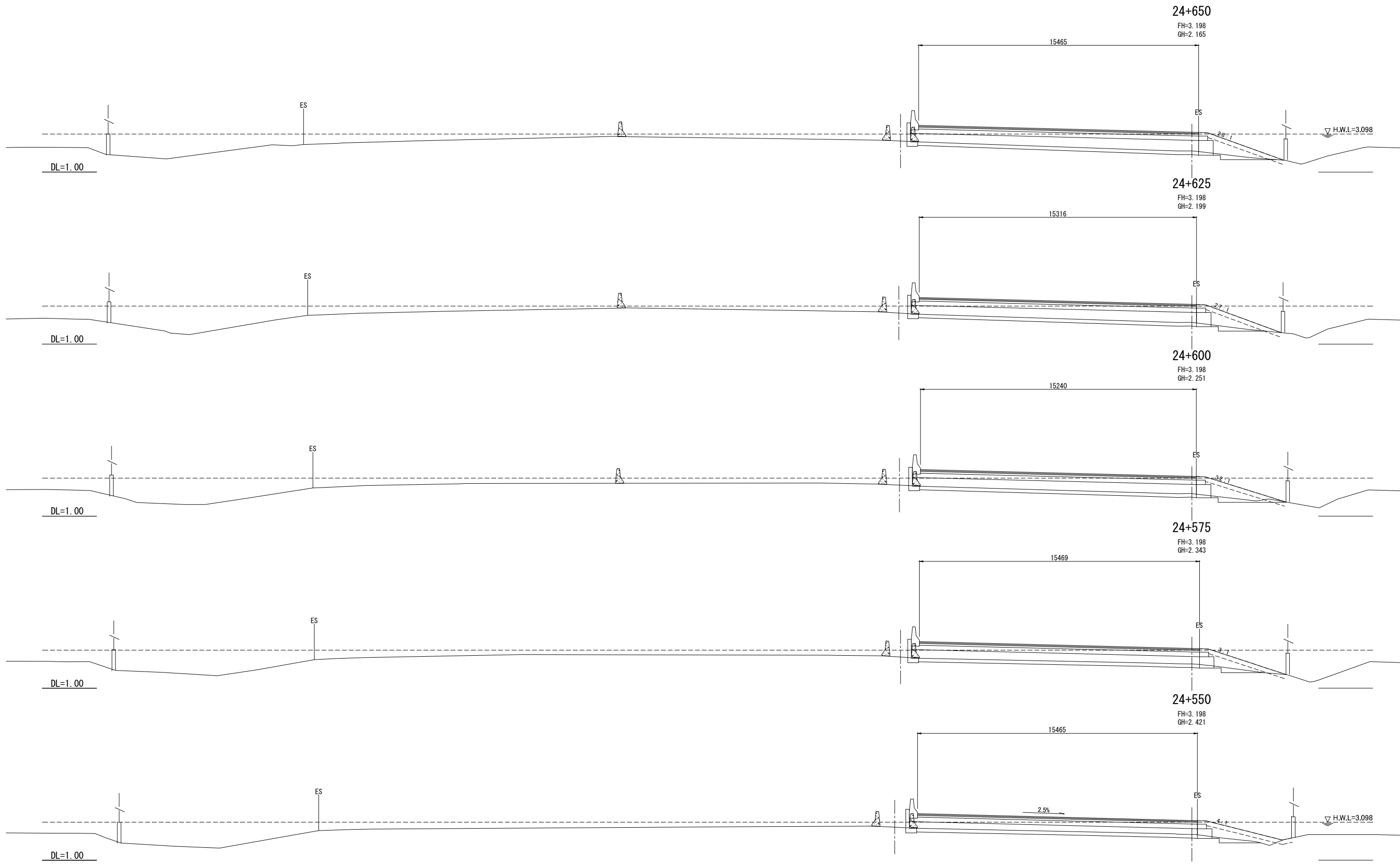


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-97 | SHEET NO. 102 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-98 | SHEET NO. 103 |

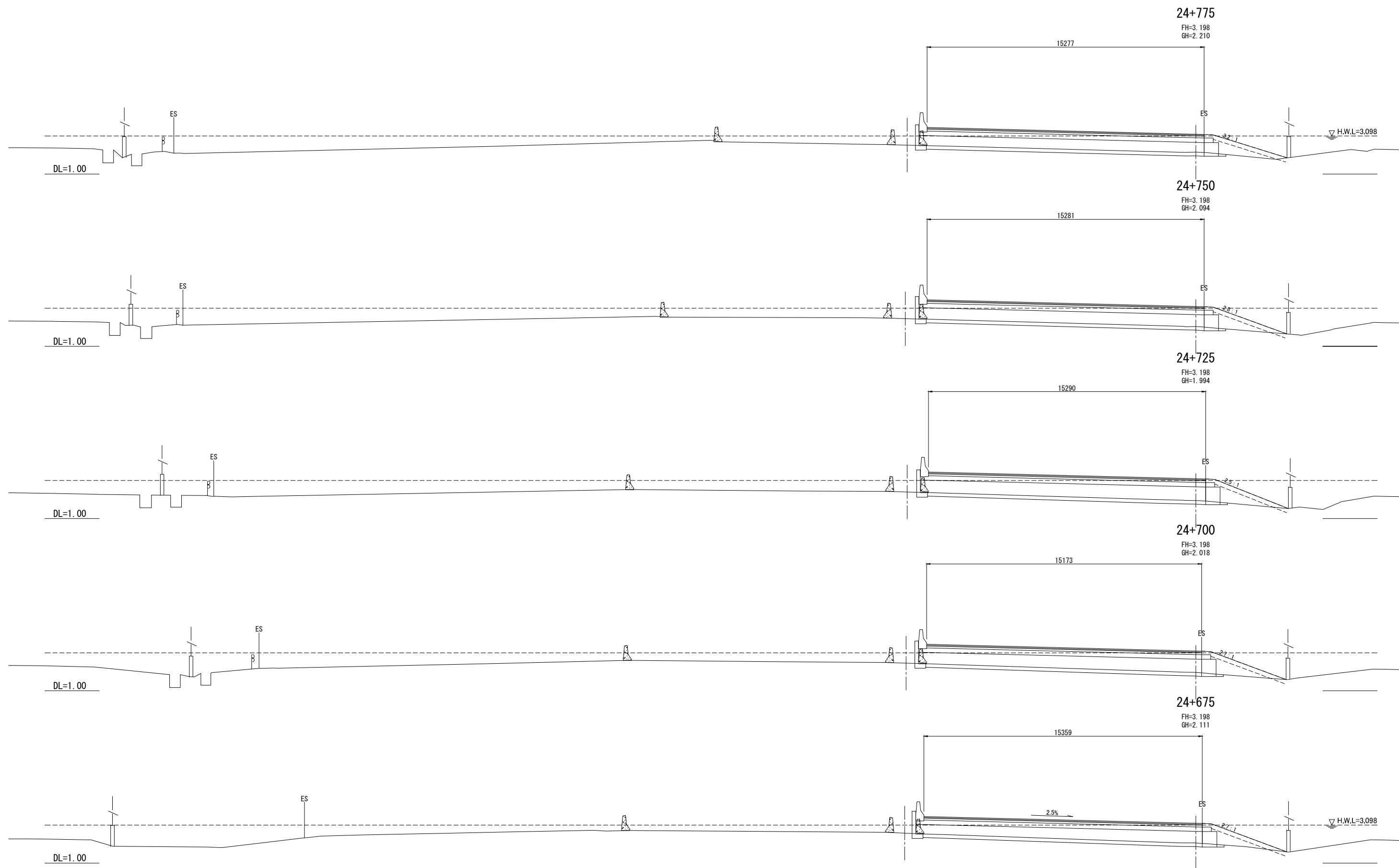
CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



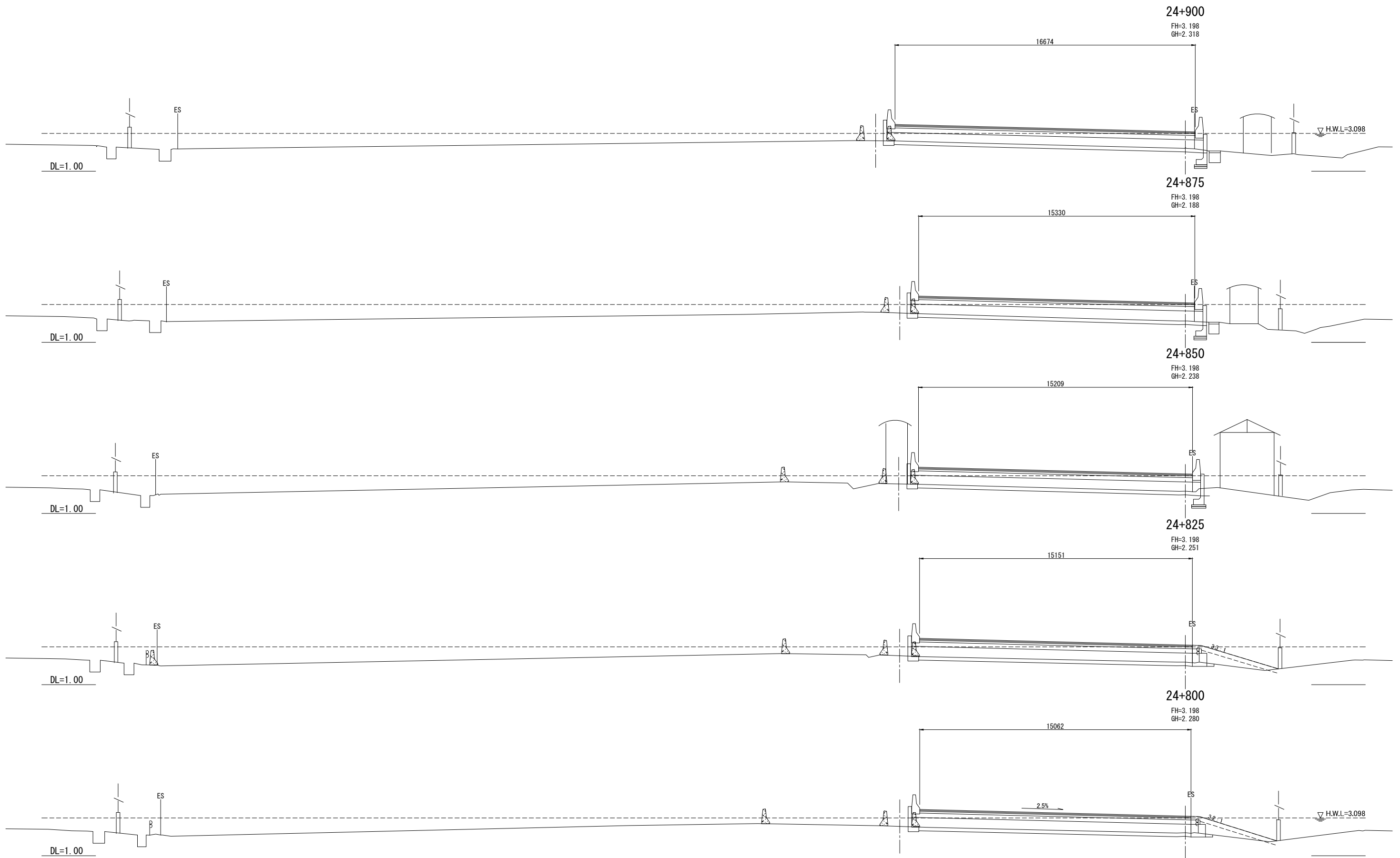
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|-------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-99 | SHEET NO. 104 |



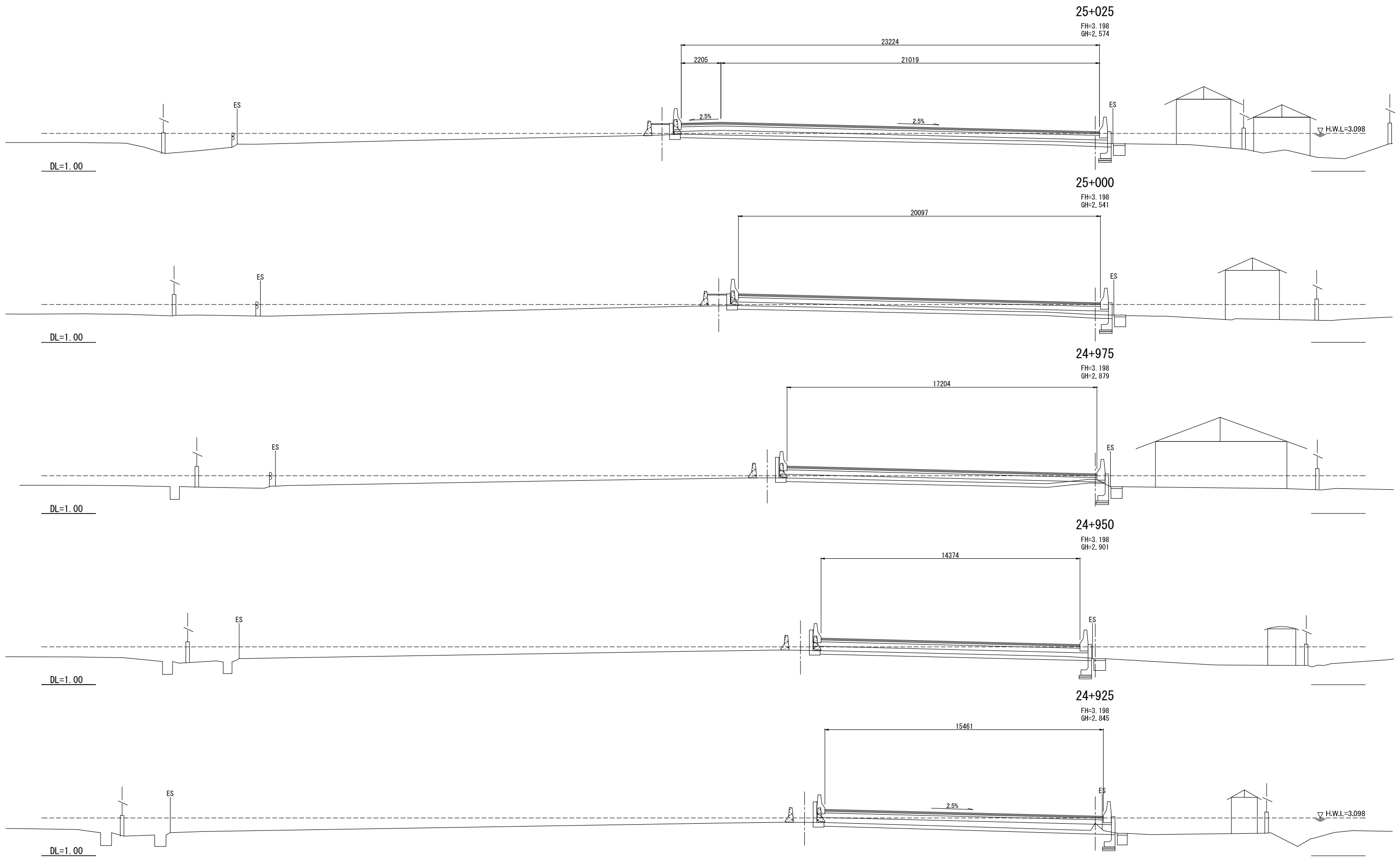
CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



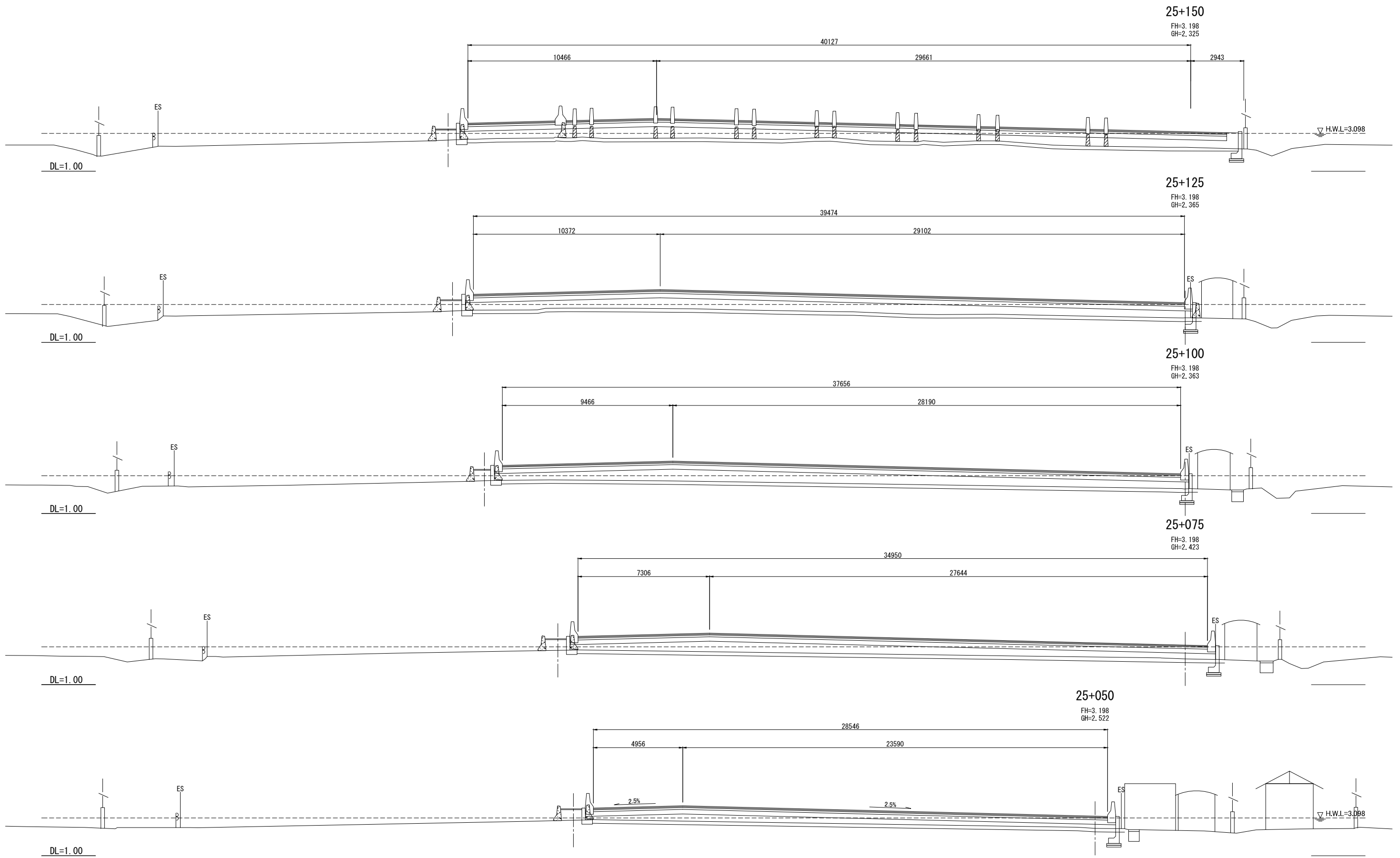
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-100 | SHEET NO. 105 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-101 | SHEET NO. 106 |



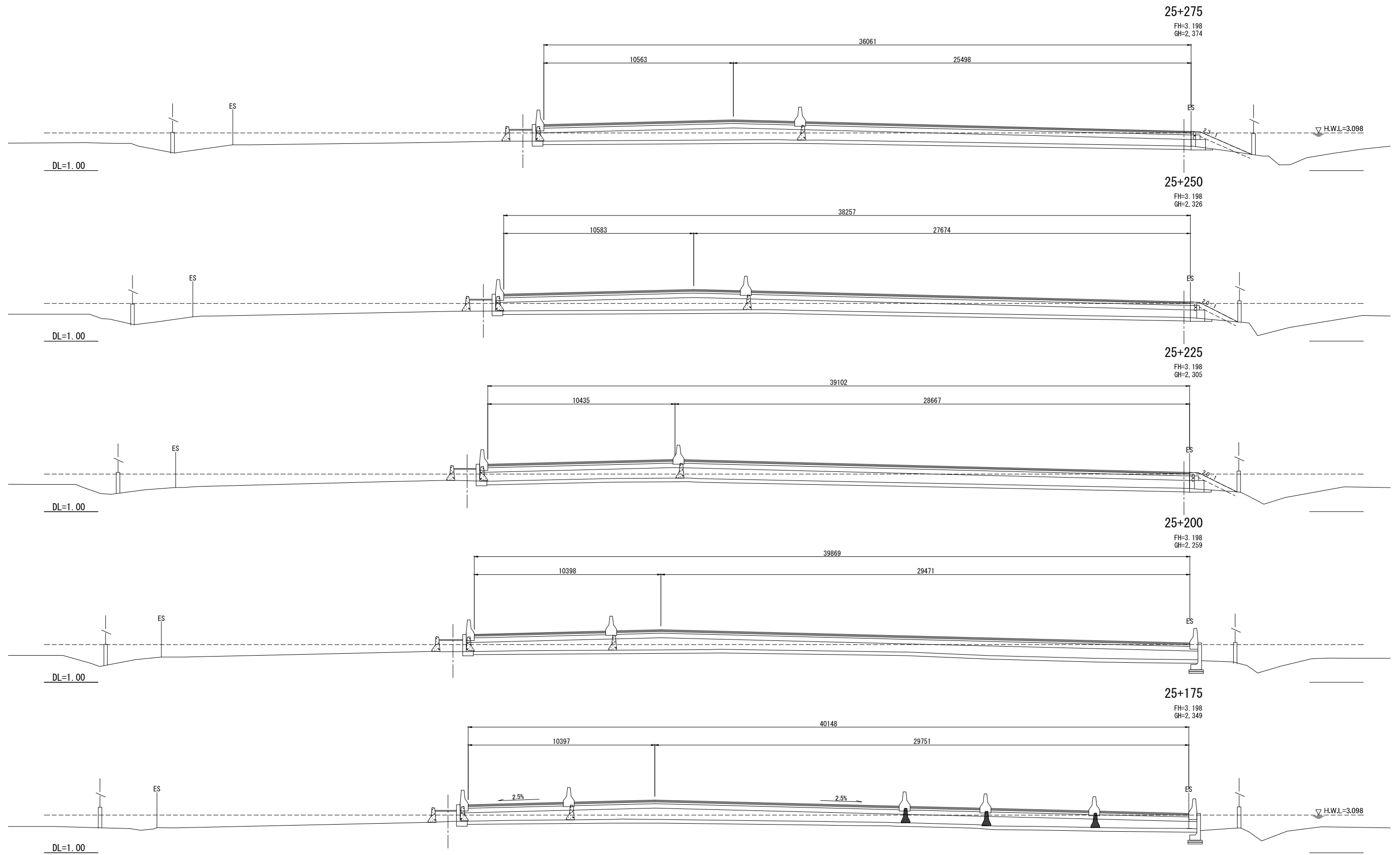
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-102 | SHEET NO. 107 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|-------------------------------|---|--|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | CROSS SECTIONS (52 / 70) | | | | | DWG. NO. MW-103 | SHEET NO. 108 |



CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-104 | SHEET NO. 109 |



KINGDOM OF THAILAND
MINISTRY OF TRANSPORT
DEPARTMENT OF HIGHWAYS

HIGHWAY ROUTE NO. 9
CROSS SECTIONS
(53 / 70)

OWNER
The Inter-City Motorways Division
Department of Highways
Ministry of Transport

PROJECT TITLE
The Preparatory Survey on
the Rehabilitation Project of
the Outer Bangkok Ring Road

CTI ENGINEERING INTERNATIONAL CO., LTD.
ORIENTAL CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD.
CTI ENGINEERING CO., LTD.

DESIGNED BY
SAGARA Hidetaka
ROAD ENGINEER

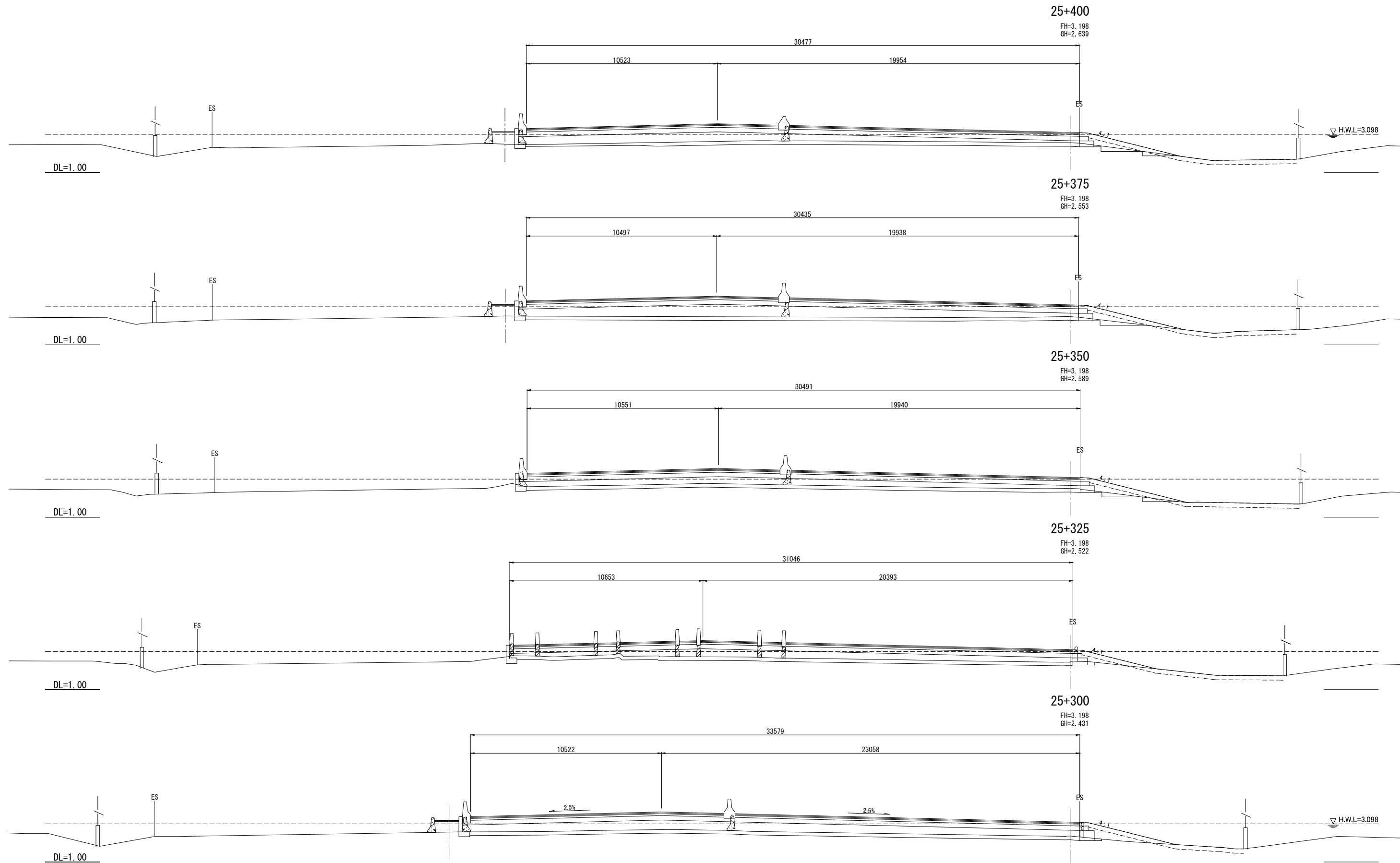
CHECKED BY
WATANABE Ryohei
CHIEF ENGINEER

DATE:
AUGUST 2012

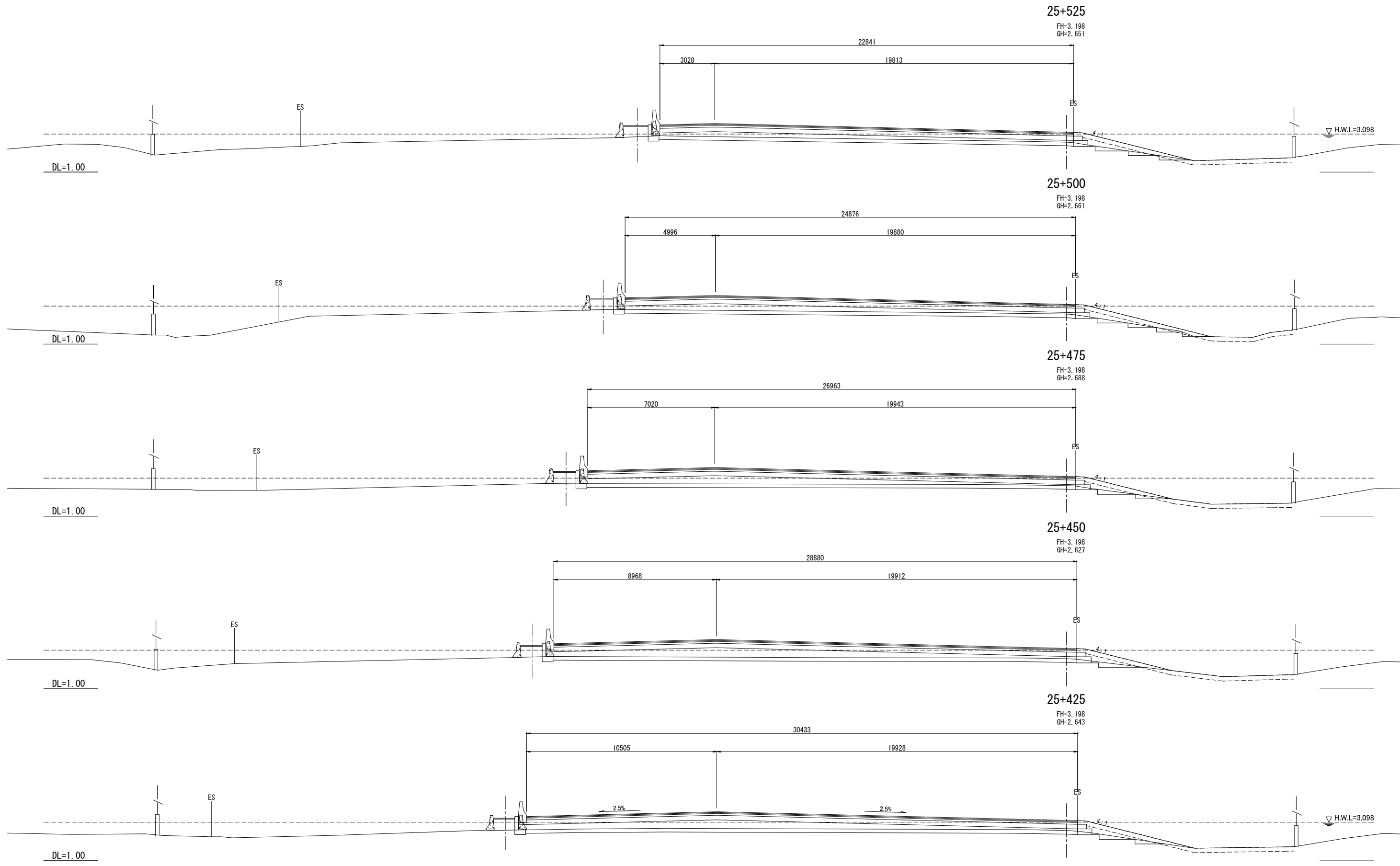
DWG. NO.
MW-104

SCALE:
SCALE 1:100

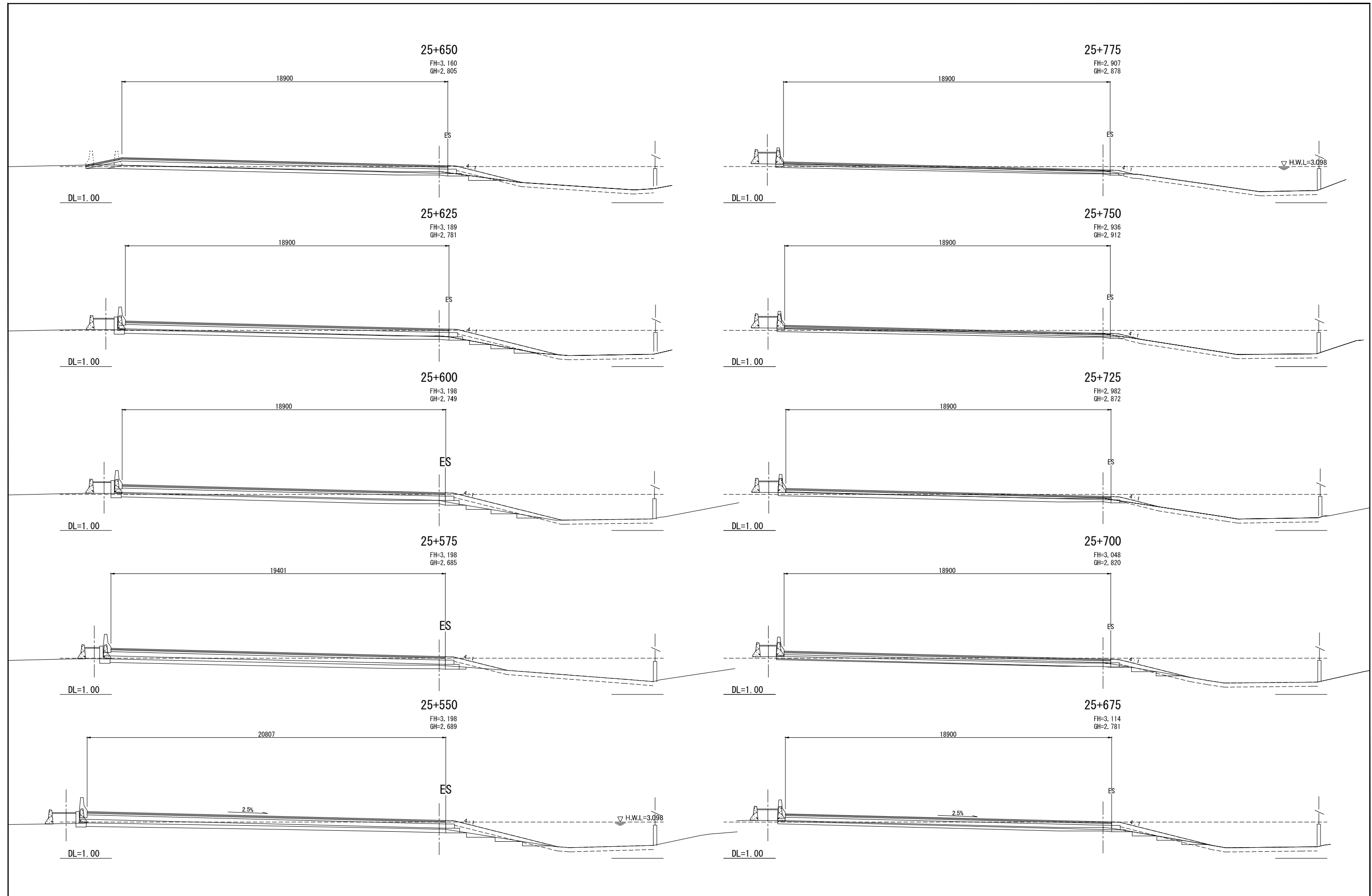
SHEET NO.
109



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|----------------------------------|-----------------------------------|---------------------------|-------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-105 | SHEET NO. 110 |

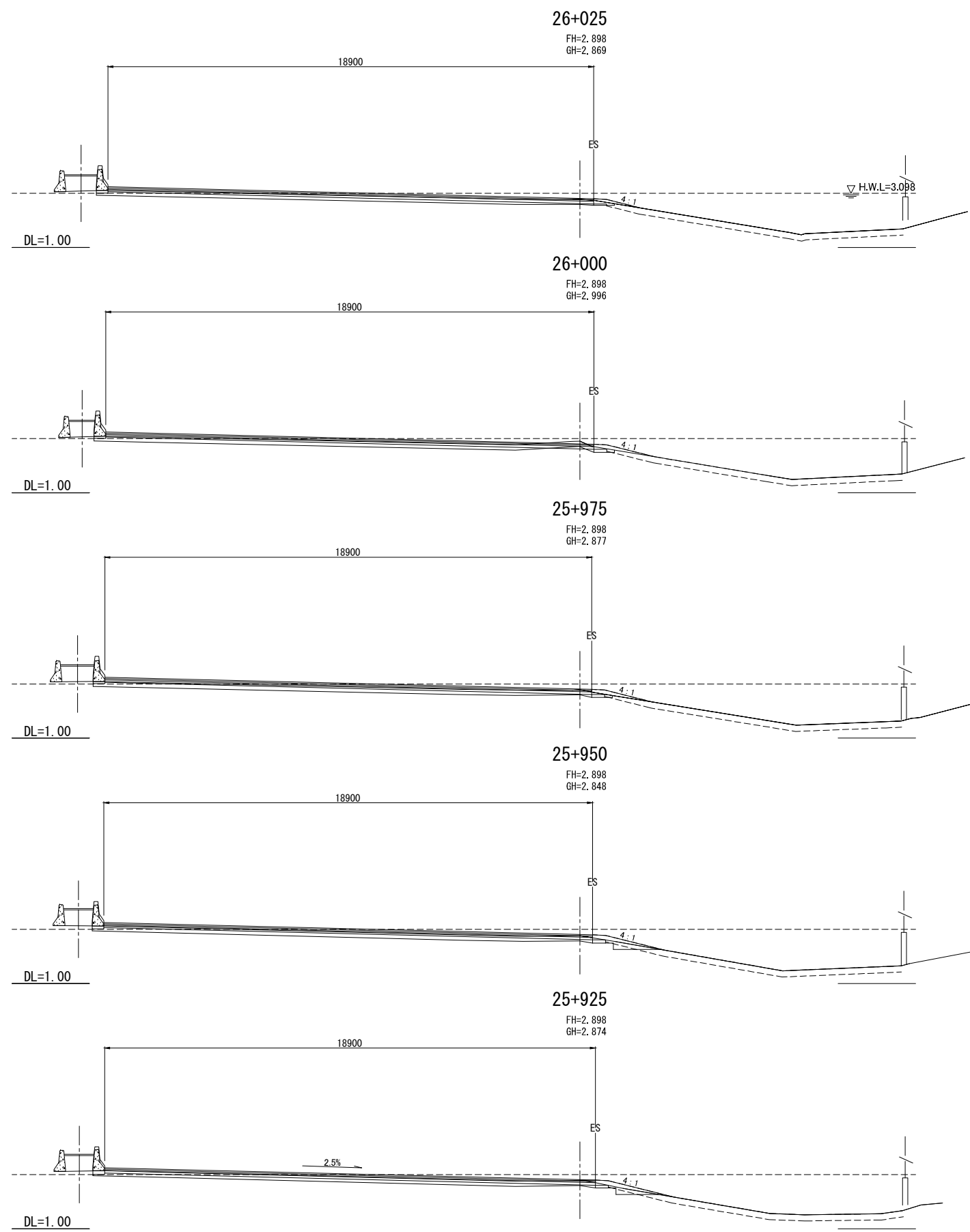
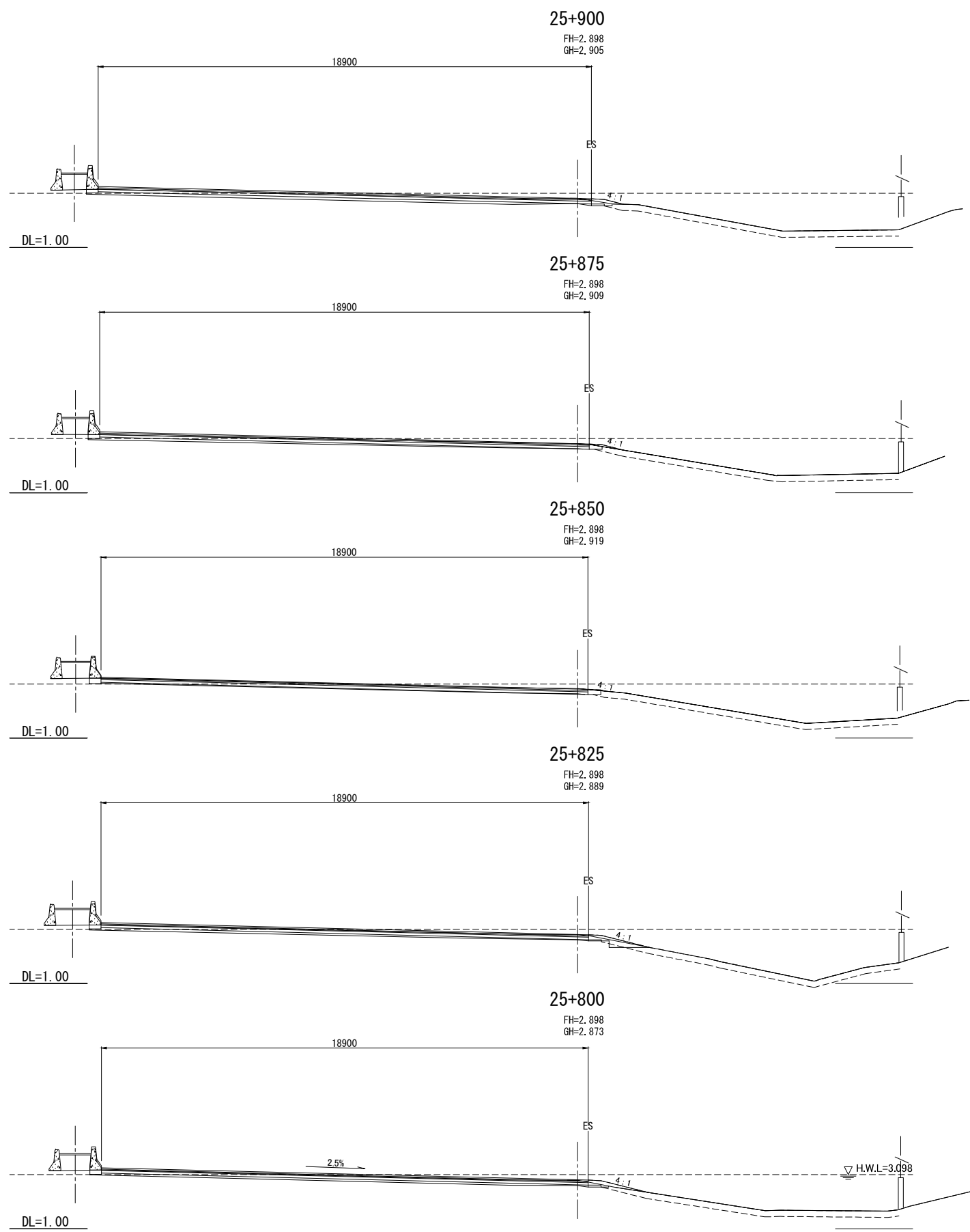


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-106 | SHEET NO. 111 |

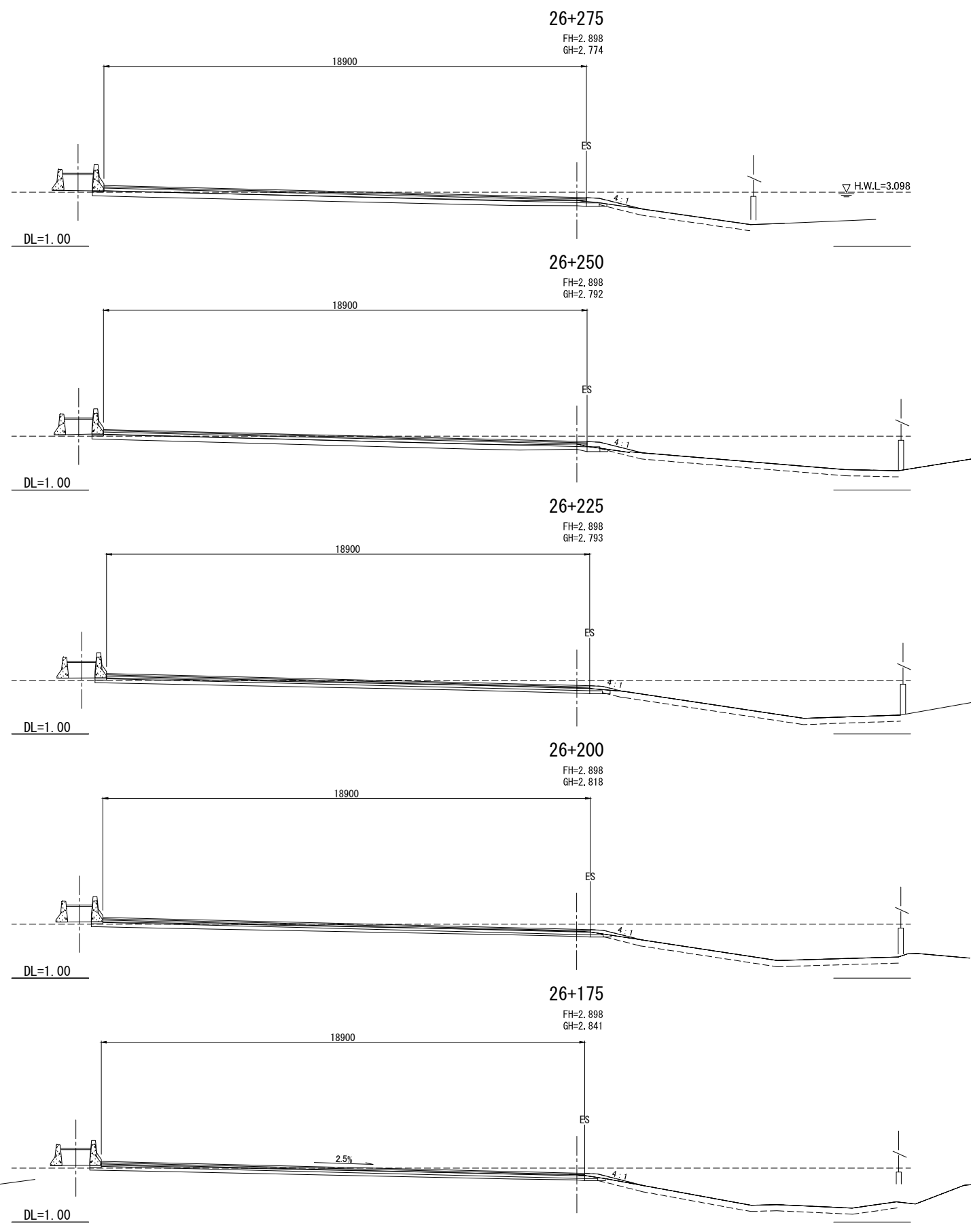
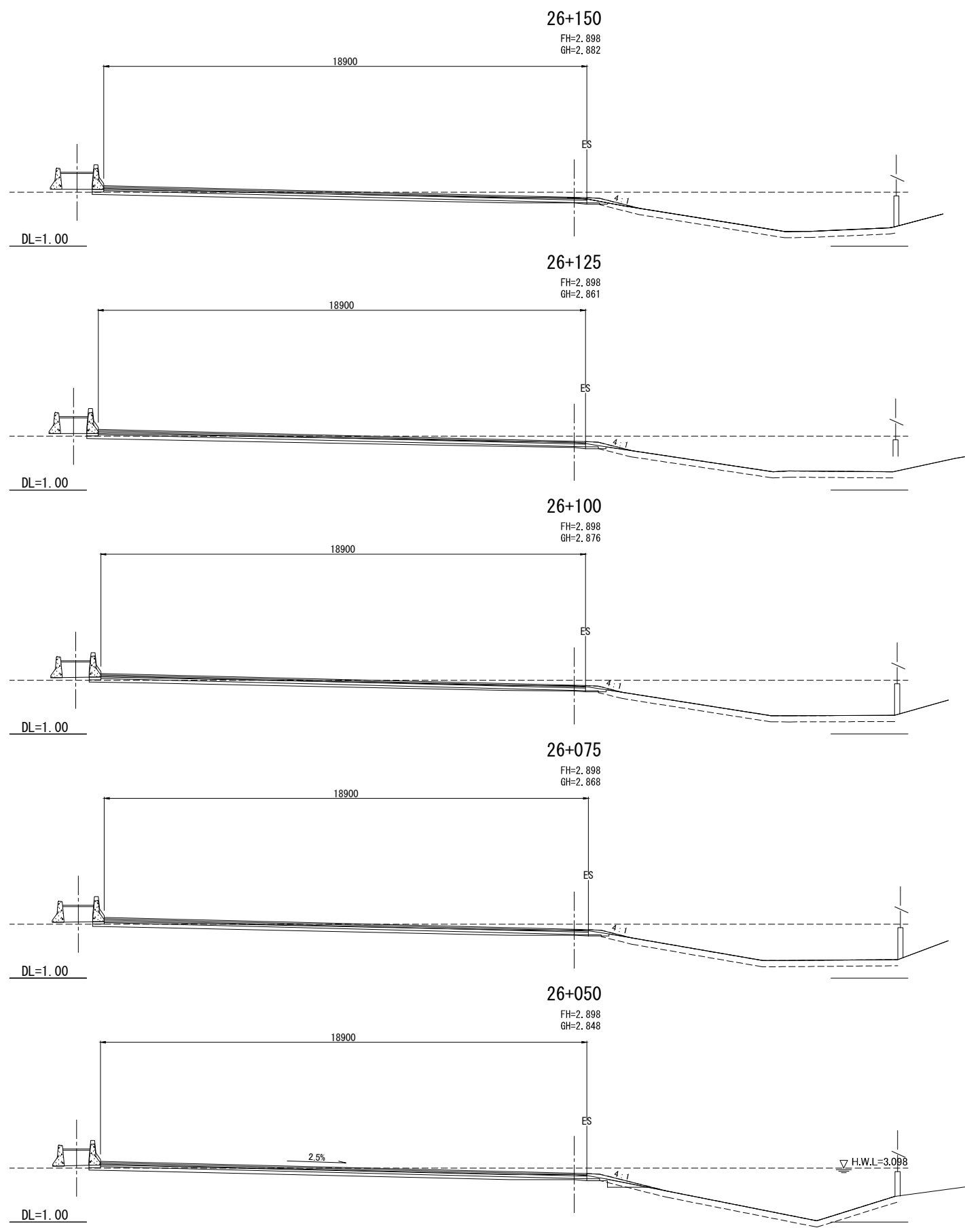


| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 CROSS SECTIONS (56 / 70) | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE : | SCALE : |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|--|---|---|---------------------------|-------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-107 | SHEET NO. 112 |

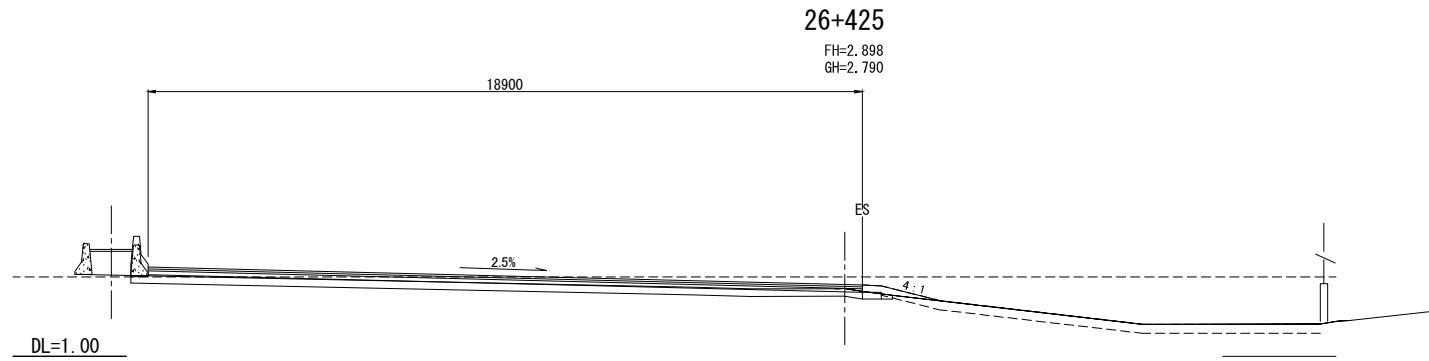
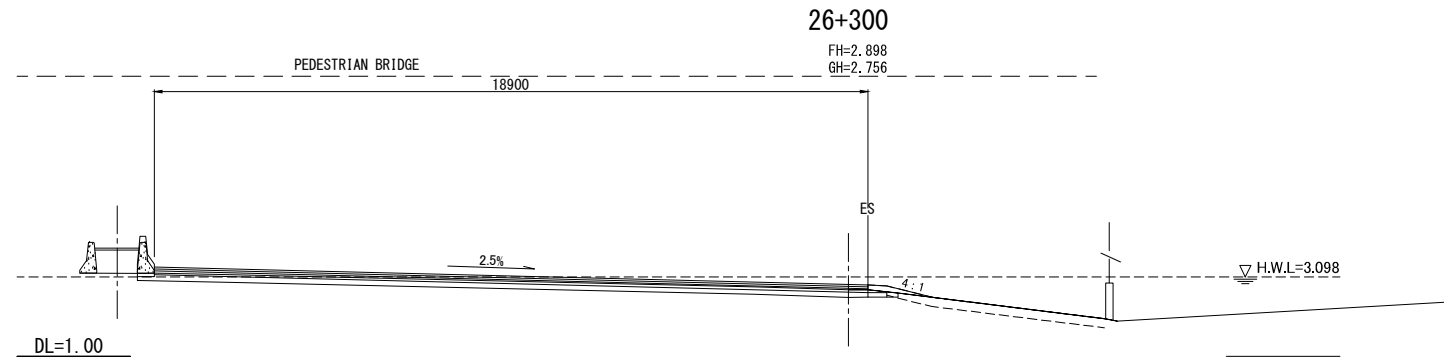
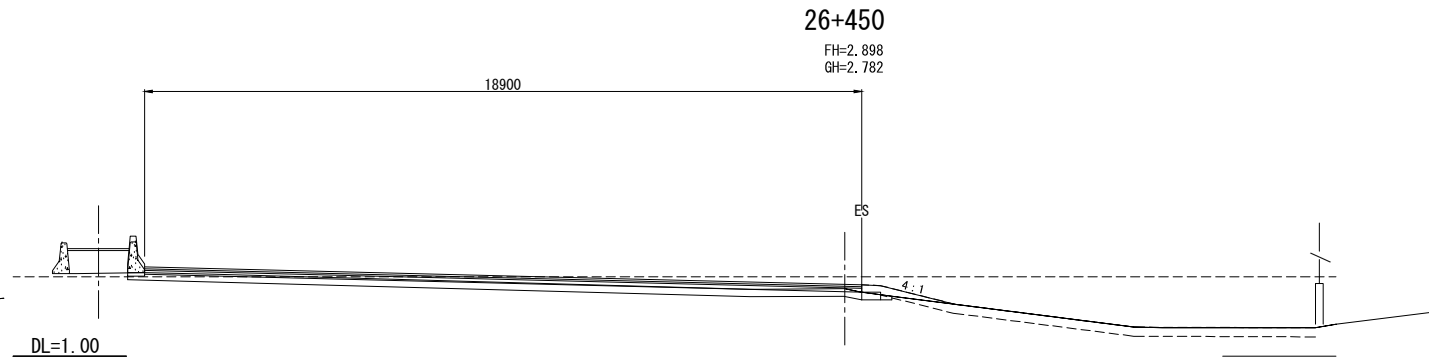
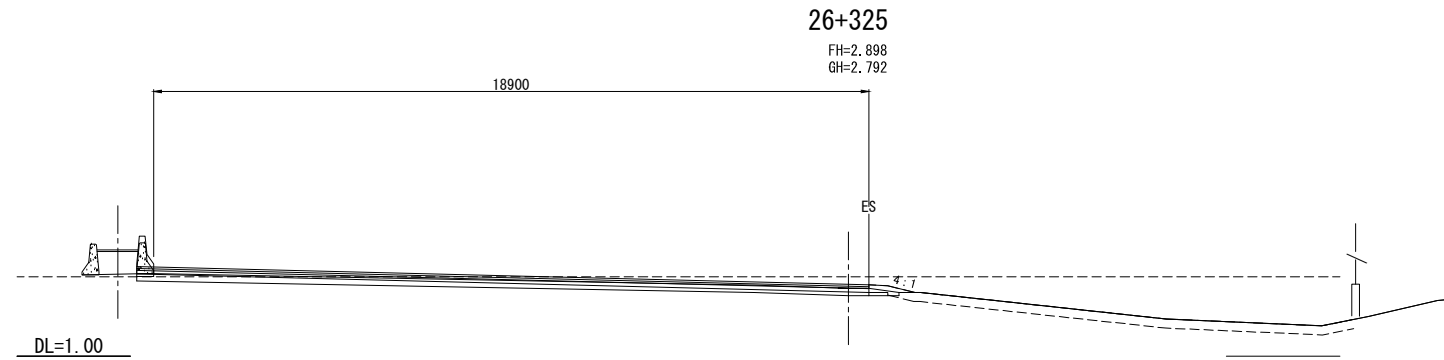
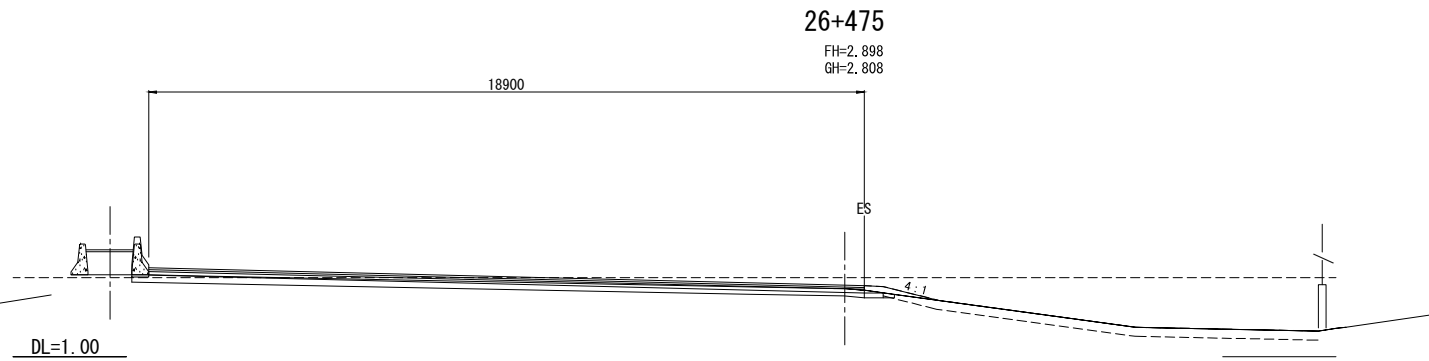
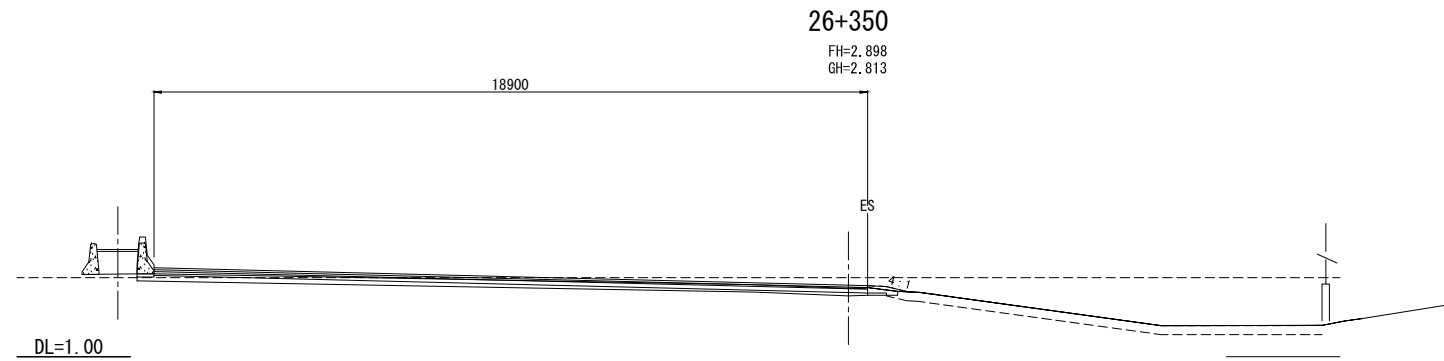
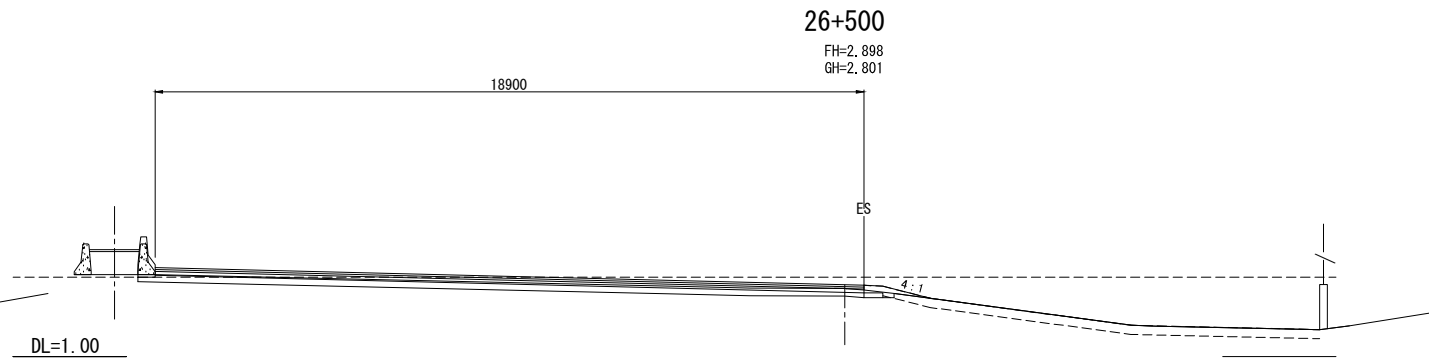
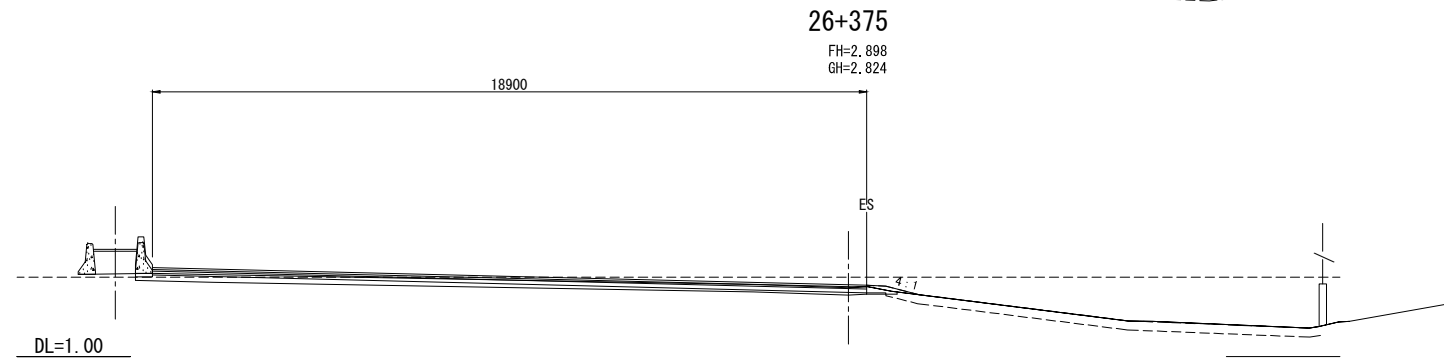
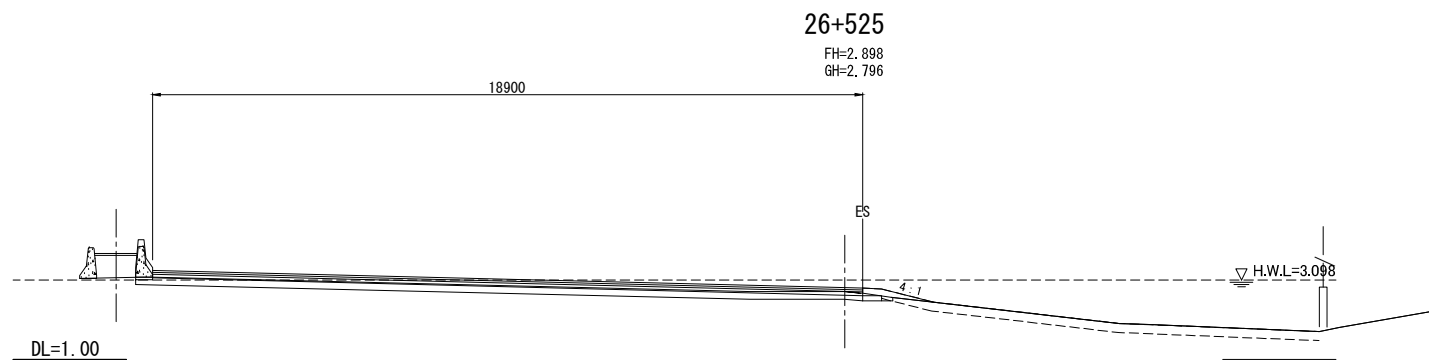
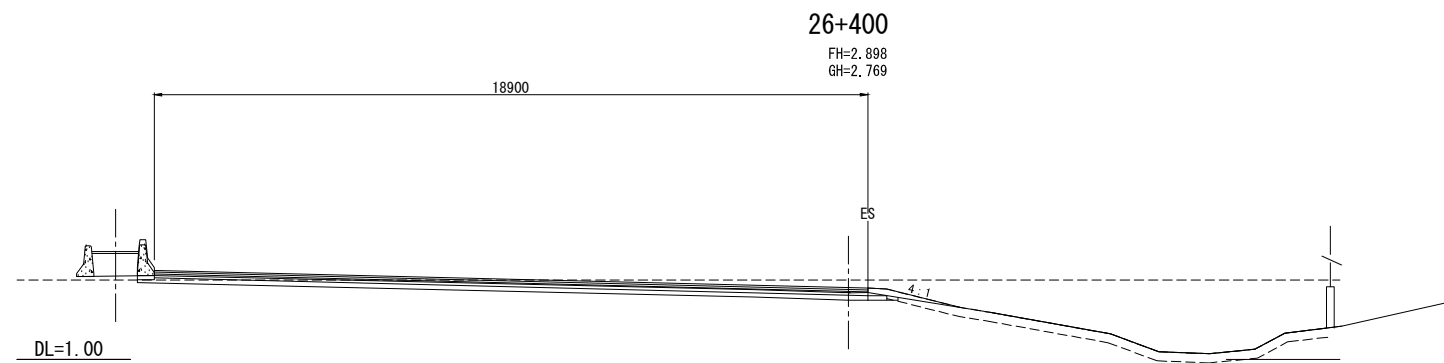
CTI ENGINEERING INTERNATIONAL CO., LTD.
 ORIENTAL CONSULTANTS CO., LTD.
 NIPPON KOEI CO., LTD.
 CTI ENGINEERING CO., LTD.



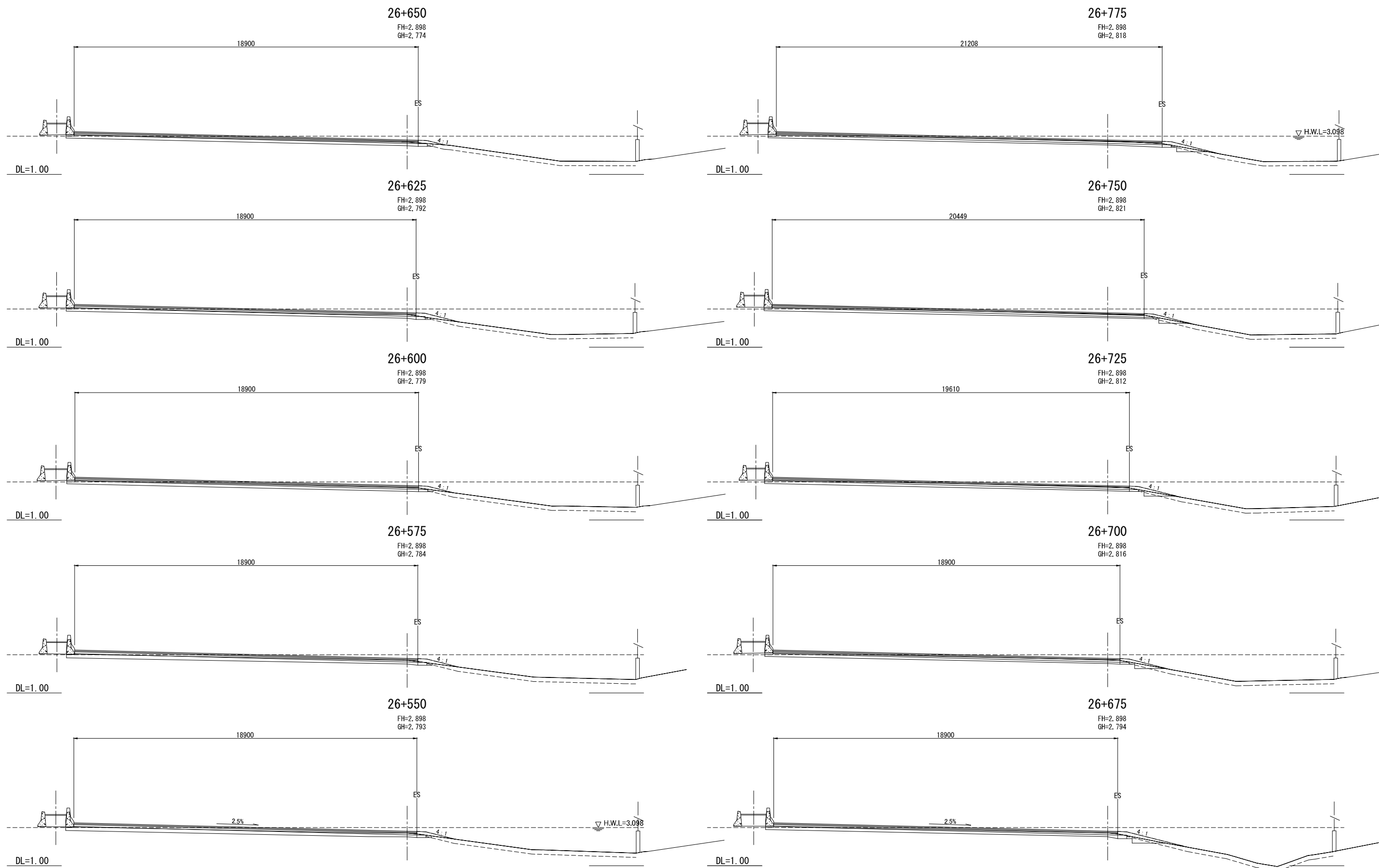
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 CROSS SECTIONS (57 / 70) | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|--|---|----------------------------------|-----------------------------------|---------------------------|-------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-108 | SHEET NO. 113 |



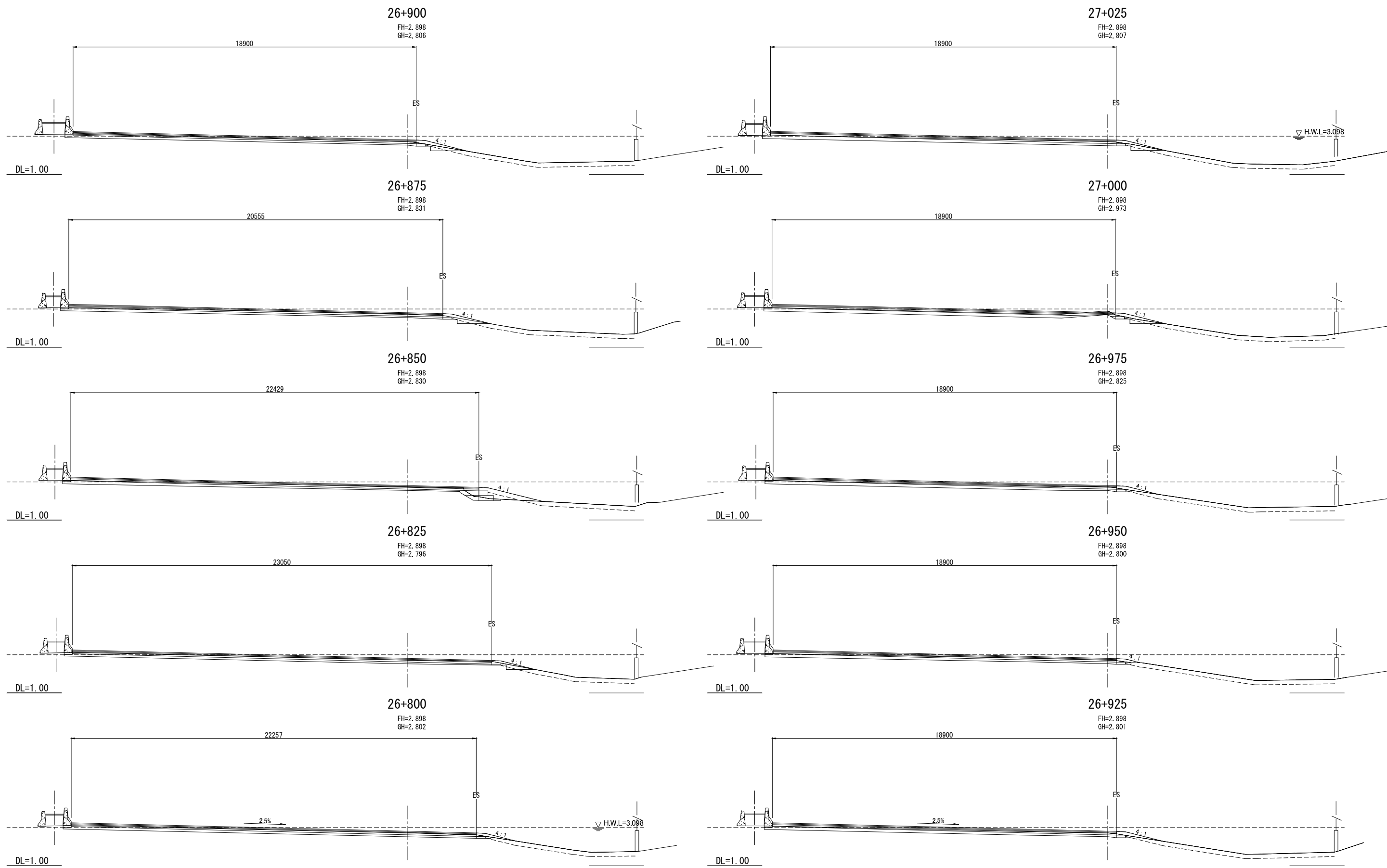
| | | | | | | | | | | | | | | |
|----------|-------------|--------------------------|---------------------|----------|-------------|---|-----------------------------|--|---|---|----------------------------------|-----------------------------------|-------------|-------------|
| REV. NO. | DESCRIPTION | ENGINEER CHECKED DATE | DOH CHECKED DATE | REV. NO. | APPROVED BY | <p>KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS</p> | HIGHWAY ROUTE NO. 9 | OWNER | PROJECT TITLE | <p>CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD.</p> | DESIGNED BY | CHECKED BY | DATE | SCALE |
| | | | | | | | CROSS SECTIONS (58 / 70) | The Inter-City Motorways Division Department of Highways Ministry of Transport | The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | DWG. NO. | SHEET NO. | | |
| | | | | | | | | | | | MW-109 | 114 | | |



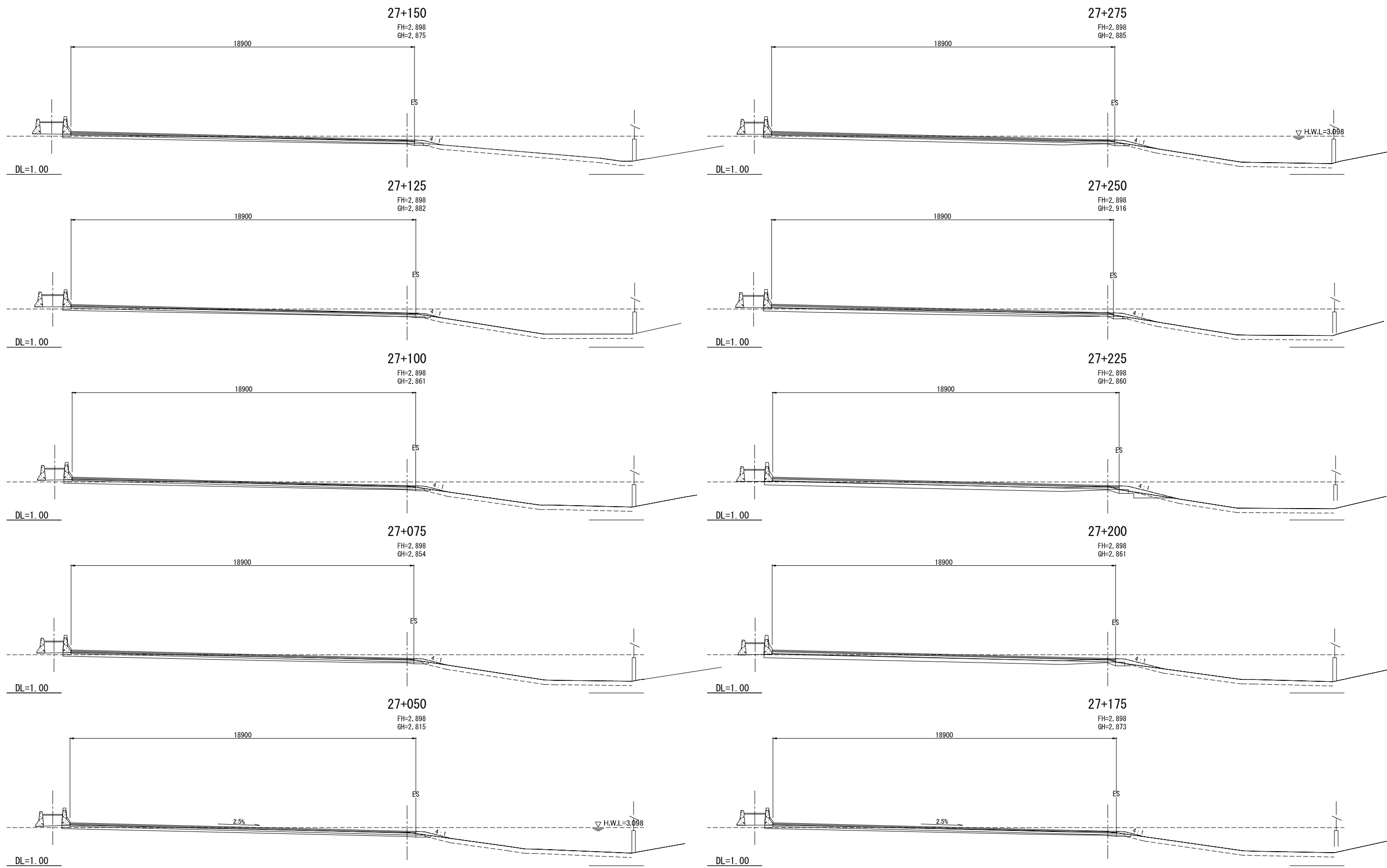
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-110 | SHEET NO. 115 |



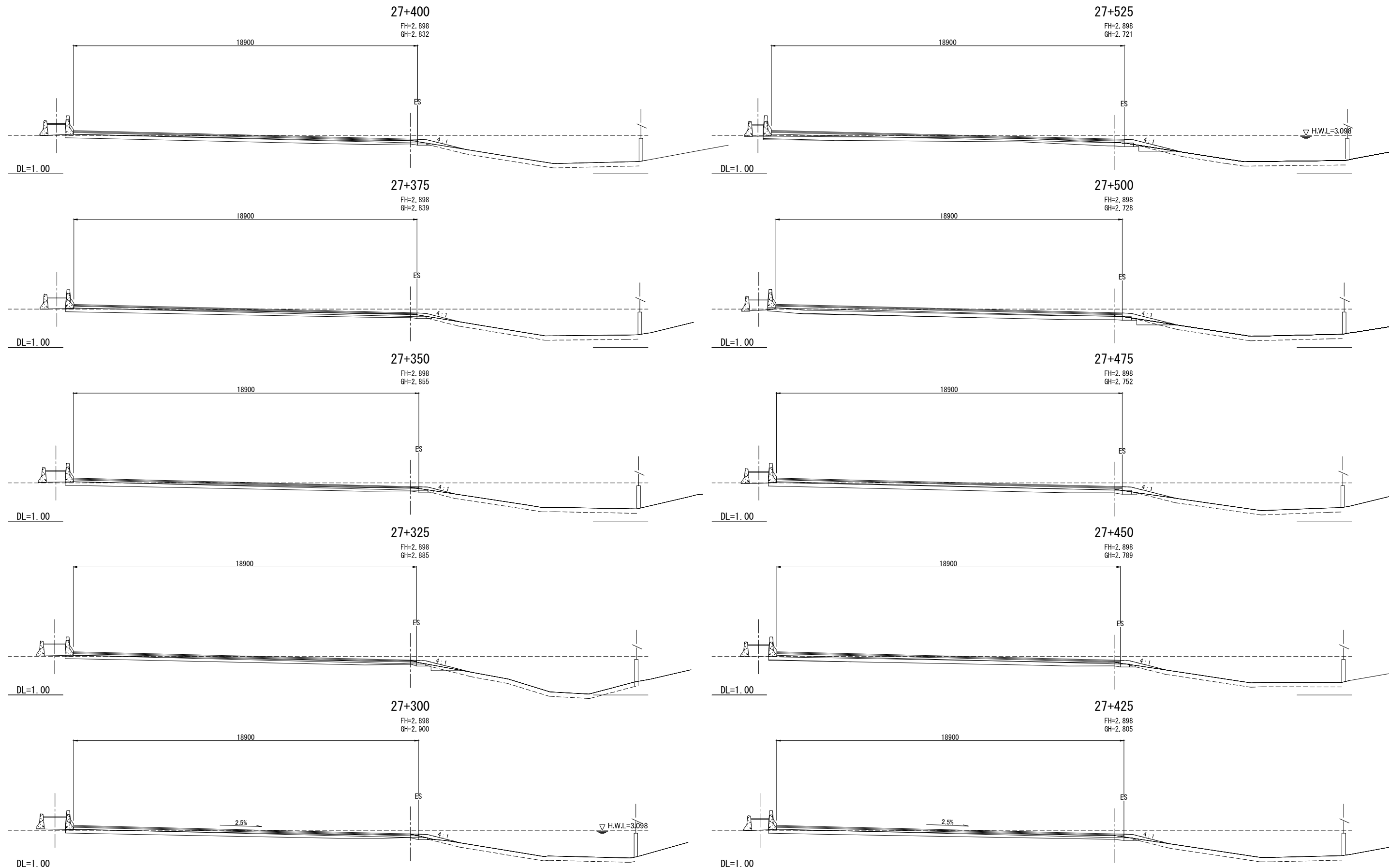
| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 CROSS SECTIONS (60 / 70) | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|--|---|----------------------------------|-----------------------------------|---------------------------|-------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-111 | SHEET NO. 116 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 CROSS SECTIONS (61 / 70) | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|--|---|----------------------------------|-----------------------------------|---------------------------|-------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-112 | SHEET NO. 117 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | DESIGNED BY SAGARA Hidetaka ROAD ENGINEER | CHECKED BY WATANABE Ryohei CHIEF ENGINEER | DATE: | SCALE: |
|----------|-------------|----------|------|---------|------|----------|-------------|--|---------------------|---|--|---|---|--------------------|------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | DWG. NO. MW-113 | SHEET NO. 118 |



| REV. NO. | DESCRIPTION | ENGINEER | | DOH | | REV. NO. | APPROVED BY | KINGDOM OF THAILAND MINISTRY OF TRANSPORT DEPARTMENT OF HIGHWAYS | HIGHWAY ROUTE NO. 9 CROSS SECTIONS (63 / 70) | OWNER The Inter-City Motorways Division Department of Highways Ministry of Transport | PROJECT TITLE The Preparatory Survey on the Rehabilitation Project of the Outer Bangkok Ring Road | CTI ENGINEERING INTERNATIONAL CO., LTD. ORIENTAL CONSULTANTS CO., LTD. NIPPON KOEI CO., LTD. CTI ENGINEERING CO., LTD. | DESIGNED BY | CHECKED BY | DATE | SCALE |
|----------|-------------|----------|------|---------|------|----------|-------------|--|--|---|--|---|----------------------------------|-----------------------------------|---------------------------|-------------------------|
| | | CHECKED | DATE | CHECKED | DATE | | | | | | | | SAGARA Hidetaka ROAD ENGINEER | WATANABE Ryohei CHIEF ENGINEER | AUGUST 2012 | SCALE 1:100 |
| | | | | | | | | | | | | | | | DWG. NO. MW-114 | SHEET NO. 119 |