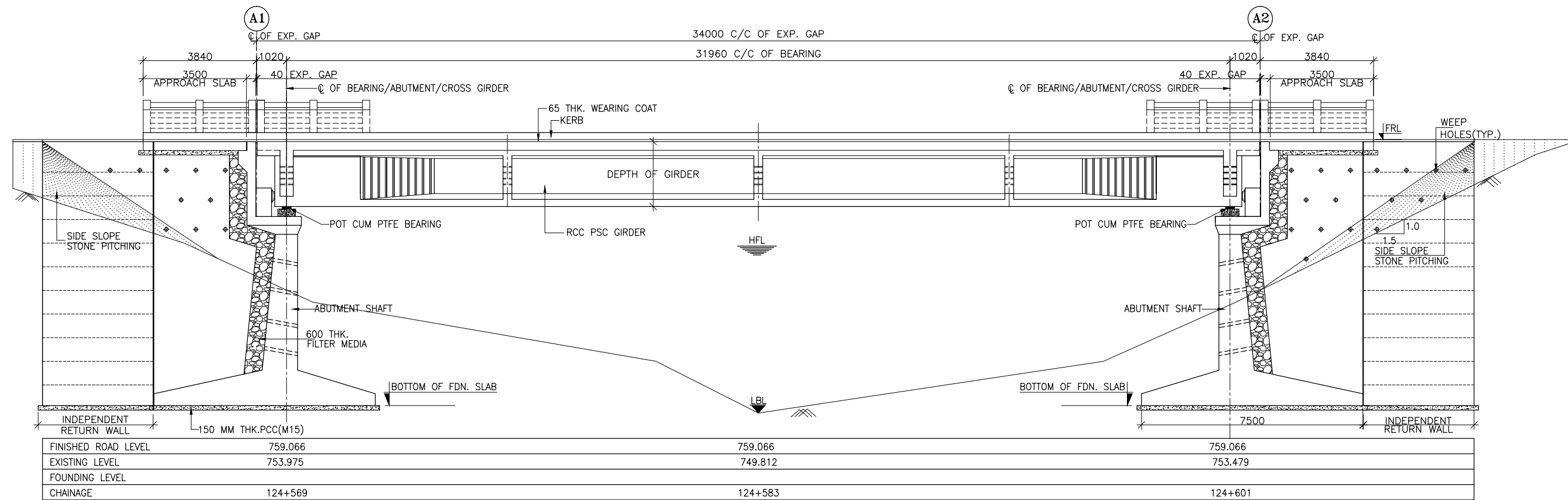
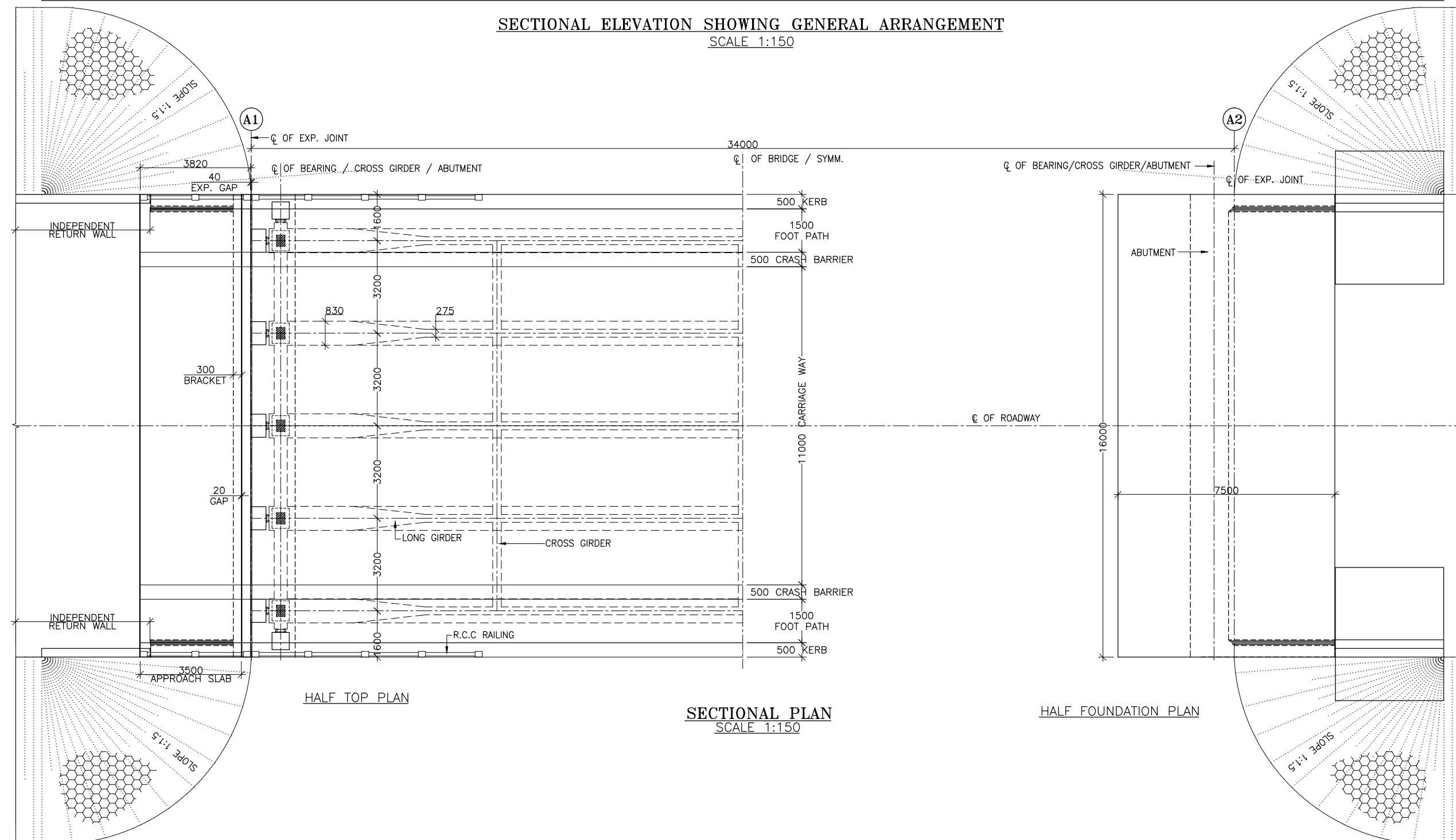


JORAM

KOLORIANG



SECTIONAL ELEVATION SHOWING GENERAL ARRANGEMENT
SCALE 1:150



SECTIONAL PLAN
SCALE 1:150

HALF FOUNDATION PLAN

NOTES :-

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS MENTIONED OTHERWISE.
- DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- THE LAYOUT OF THE MAJOR BRIDGE SHALL BE SET WITH RESPECT TO THE RELEVANT HIGHWAY PROFILE.
- ALL CONCRETE SHALL BE DESIGN MIX & MINIMUM GRADE OF WHICH IN VARIOUS COMPONENTS SHALL BE AS FOLLOWS :-

PSC GIRDER	M45
RCC SLAB OVER PSC GIRDER	M45
RCC CRASH BARRIER AND PEDESTAL	M40
RCC SUBSTRUCTURE	M35
RCC PILE	M35
RCC PILE CAP	M35
RCC OPEN FOUNDATION	M35
APPROACH SLAB	M30
PCC LEVELING COURSE	M15
- HIGH STRENGTH DEFORMED BARS SHALL BE OF GRADE Fe500 CONFORMING TO IS: 1786-1985
- DESIGN OF BRIDGE IS BASED ON LIVE LOAD COMBINATION OF 4-LANES OF CLASS A OR 2-LANE OF 70R OR 2-LANE OF CLASS A + 1-LANE OF 70R WHICHEVER PRODUCE SEVER EFFECT.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH BORE LOG DETAILS REFER 2 OF 2 OF THIS DRAWING
- THE FORMATION LEVEL GIVEN IN THIS DRAWING SHALL BE VERIFIED FROM THE RELEVANT HIGHWAY DRAWING. IN CASE OF ANY DISCREPANCY THE HIGHWAY DRAWING SHALL BE CONSIDERED CORRECT.
- LAYING, COMPACTION & EXTENT OF BACKFILL BEHIND ABUTMENT & RETAINING WALLS SHALL CONSIST OF SELECTED EARTH CONFORMING TO THE APPENDIX-6 OF IRC:78-2000 HAVING PROPERTIES $C=0$, $\phi=30^\circ$ & DENSITY=20KN/m³
- WEED HOLES ON THE ABUTMENT & RETAINING WALLS SHALL BE SPACED 1000 c/c HORIZONTAL & VERTICALLY IN STAGGERED MANNER FROM 500MM ABOVE LWL TO HFL.

CLIENT :



National Highways & Infrastructure Development
Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY
AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM -
KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO
KM. 158.00 (TOTAL LENGTH 70 KM)
IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:

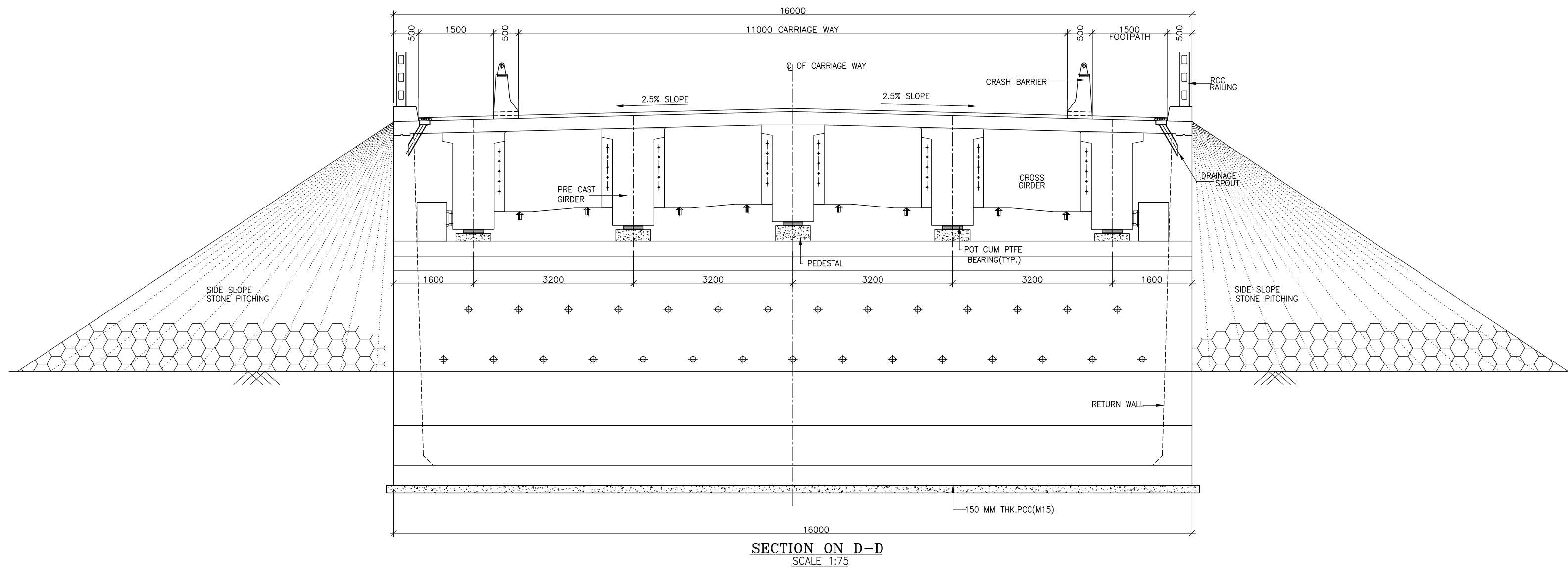
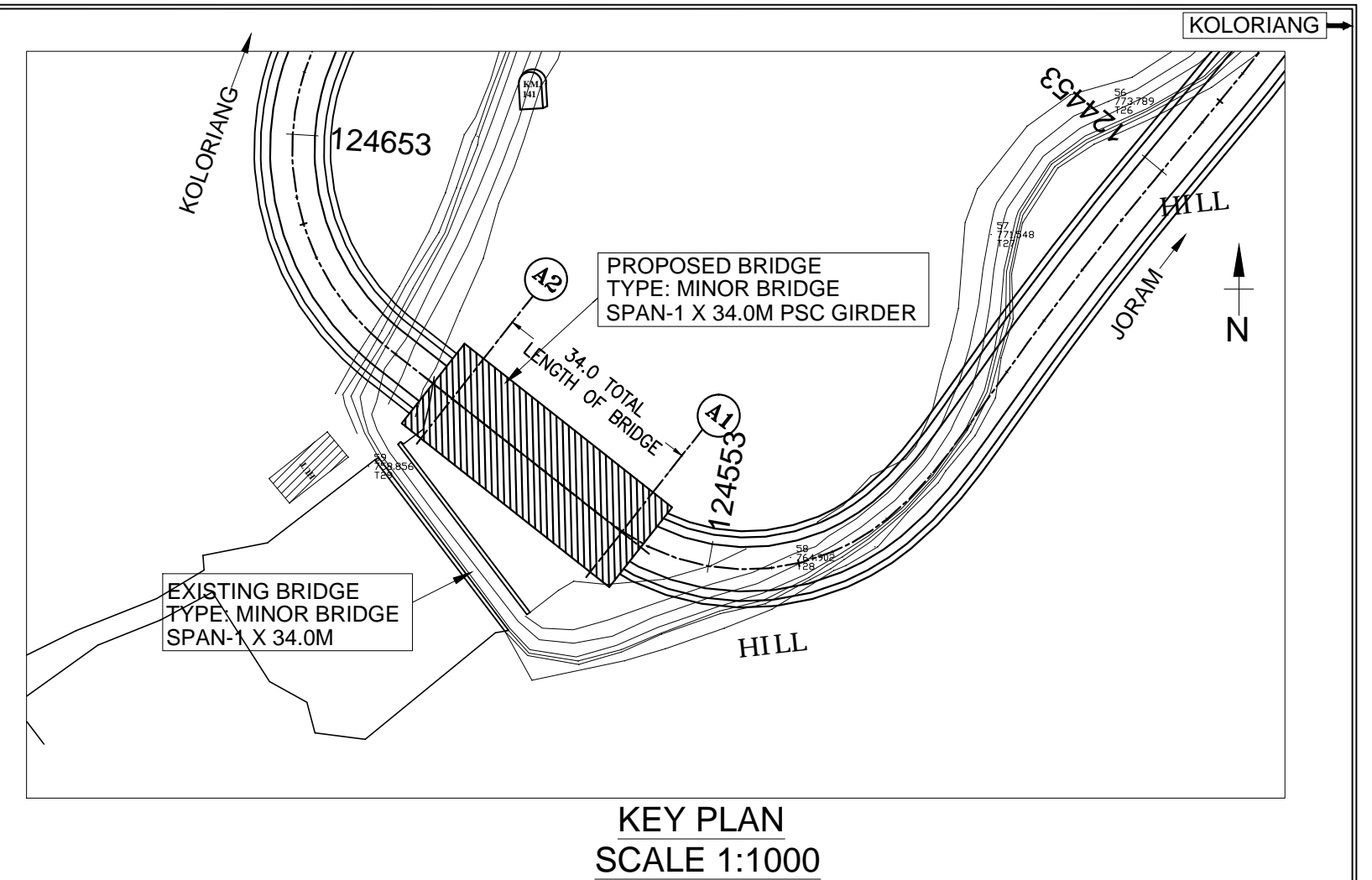
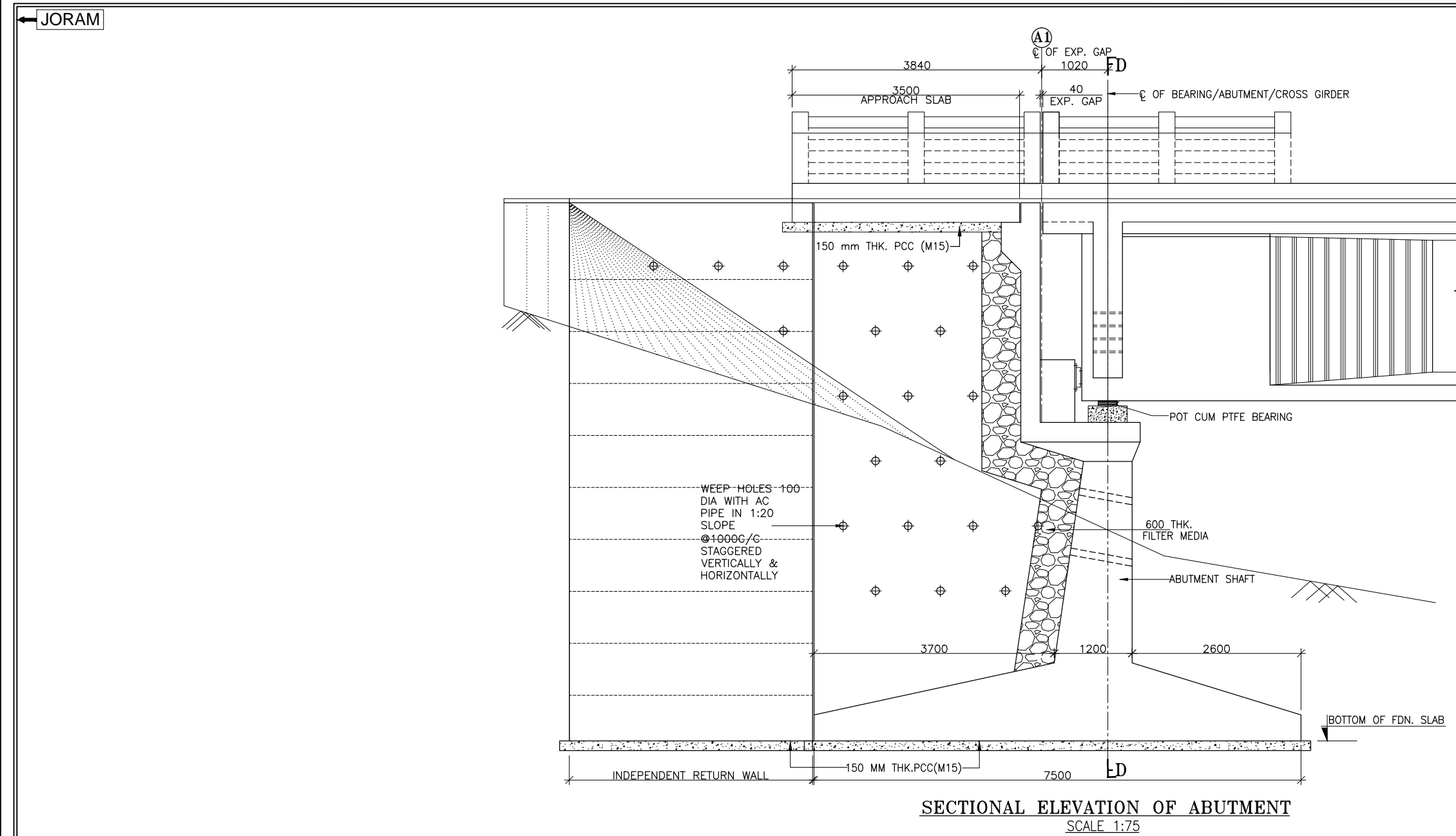


Voyants Solutions Pvt Ltd.
403, 4th Floor, Park Centra,
Sector-30, Opp. 32nd Milestone, NH-8
Gurgaon-122002, Haryana
CIN- U74140HR2004PTC046918
Ph: 0124-4598200
Fax: 0124-4019051
E-mail: info@voyants.in, www.voyants.in

R0	14/09/2016	
REV.	DATE	DESCRIPTION

DRAWN BY :	PD
DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

TITLE :	GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 140+450 (DESIGN CHAINAGE 124+583)
DRG. NO. :	SHEET 01 OF 02
VSPL/1438/JK/DPR/GAD/MNBR- 06	
REVISION : R0	JANUARY 2017



CLIENT :



National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM - KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO KM. 158.00 (TOTAL LENGTH 70 KM) IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:



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REV.	DATE	DESCRIPTION
R0	14/09/2016	

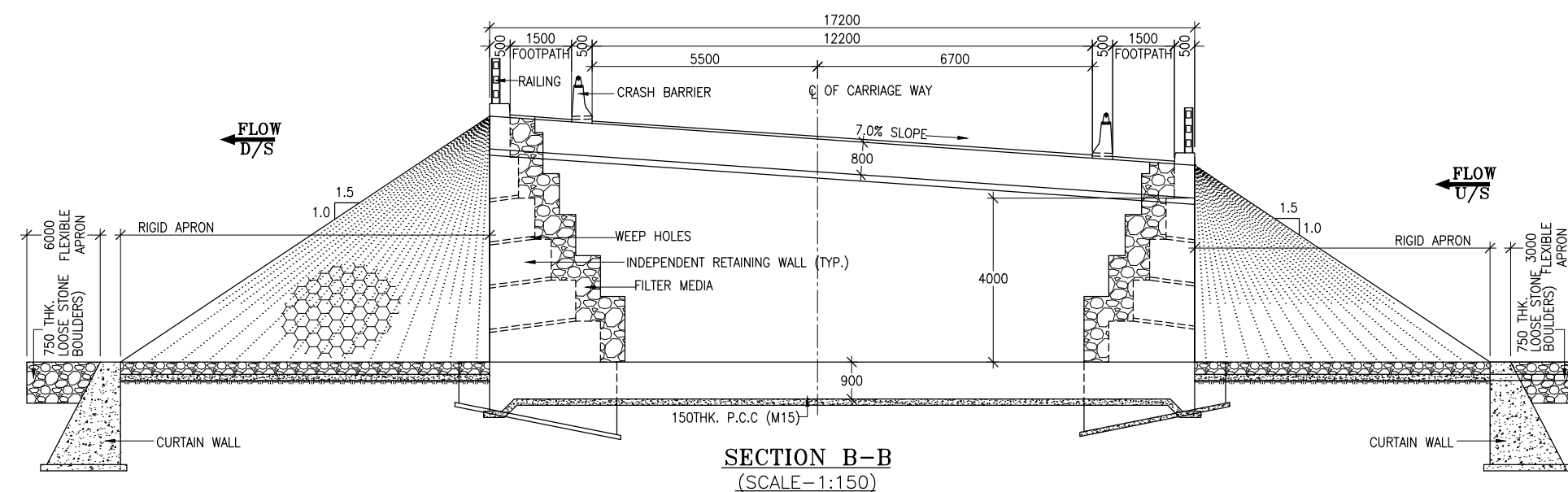
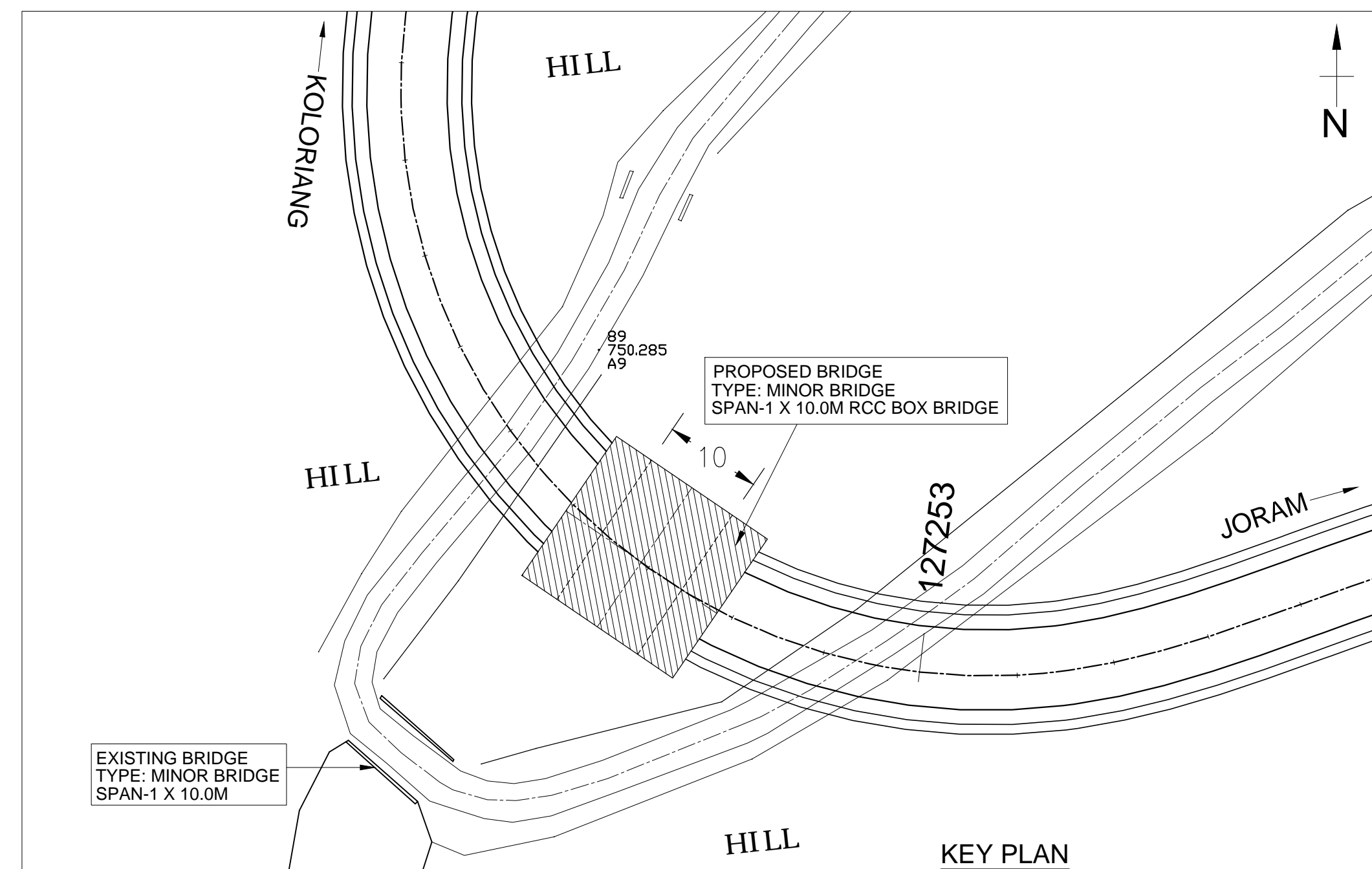
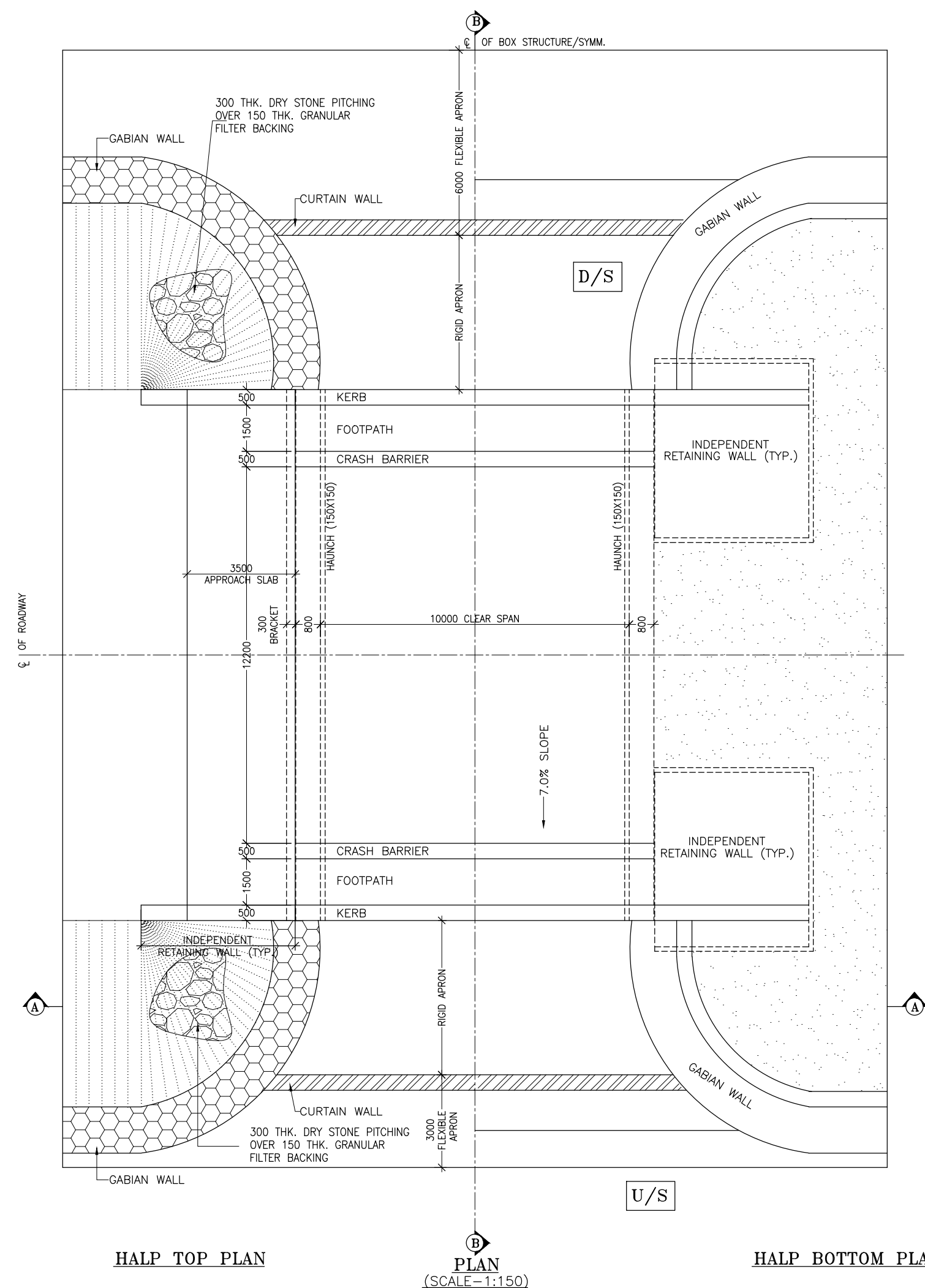
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DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

TITLE :	GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 140+450 (DESIGN CHAINAGE 124+583)
DRG. NO. :	VSPL/1438/JK/DPR/GAD/MNBR- 06
REVISION : R0	JANUARY 2017

SHEET 02 OF 02

JORAM

KOLORIANG



CLIENT :



National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM - KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO KM. 158.00 (TOTAL LENGTH 70 KM) IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:



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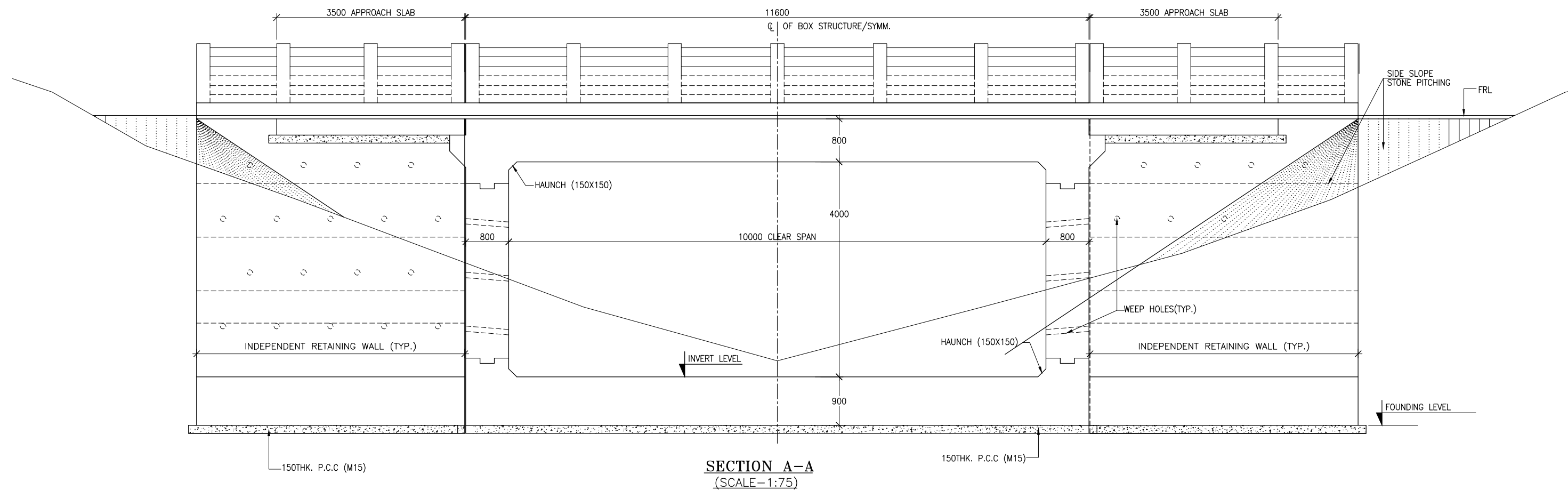
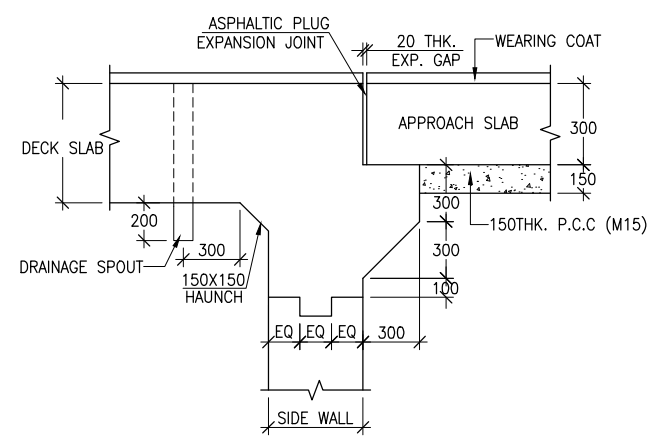
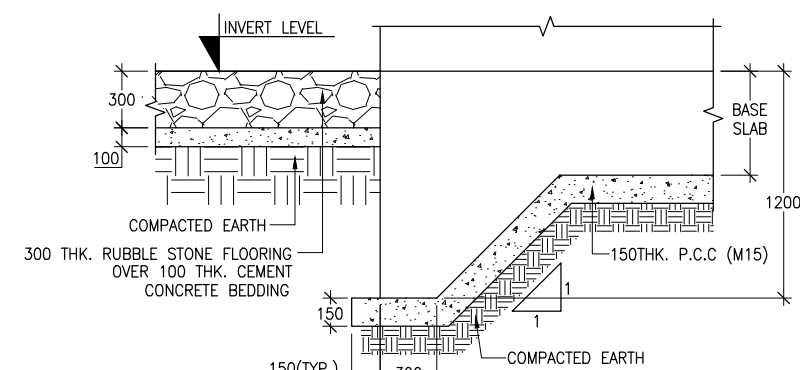
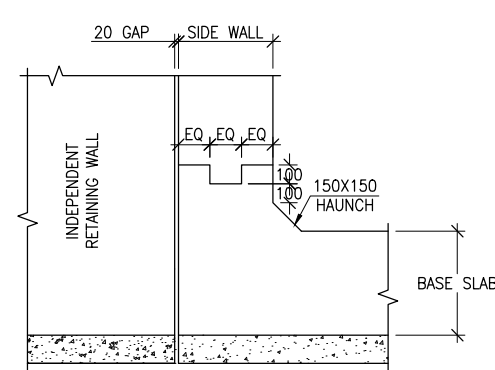
REV.	DATE	DESCRIPTION
R0	14/09/2016	

DRAWN BY :	PD
DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

TITLE :	GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 143+400 (DESIGN CHAINAGE 127+283)
DRG. NO. :	VSPL/1438/JK/DPR/GAD/MNBR- 07
REVISION : R0	JANUARY 2017

JORAM

KOLORIANG

SECTION A-A
(SCALE=1:75)DETAIL 'B'
(SCALE=1:40)DETAIL 'C'
(SCALE=1:40)DETAIL 'A'
(SCALE=1:40)

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES, LEVELS ARE IN METRES AND CHAINAGES ARE IN KILOMETRES, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- GRADE OF CONCRETE FOR VARIOUS ELEMENTS SHALL BE AS FOLLOWS:
a) RCC BOX.....M30
b) CRASH BARRIER.....M40
c) APPROACH SLAB.....M30
e) PCC LEVELLING COURSE.....M15
- DESIGN CRITERIA HAS BEEN FROM THE FOLLOWING CODES.
a) IRC: SP13-2004 b) IRC: 6-2014
c) IRC: 78-2014 d) IRC: 112-2011
- REINFORCEMENT SHALL BE HYSD BARS OF GRADE DESIGNATION FE-500 CONFORMING TO IS:1786.
- MINIMUM CLEAR COVER
DECK SLAB- 50MM, INNER & OUTER WALL - 50MM, BOTTOM SLAB - 75MM
- BACK FILLING BEHIND THE STRUCTURE SHALL CONSIST OF SELECTED EARTH CONFORMING TO APPENDIX 6 OF IRC:78-2014 HAVING PROPERTIES $\phi < 30^\circ$, $C=0$, $\gamma = 2.0T/M^3$
- SOFT AND LOOSE PATCHES IN THE BEARING AREA ARE TO BE REPLACED BY COMPACTED GRANULAR FILLS WITH LAYERS NOT EXCEEDING 300MM.
- COMPRESSIBLE FILLER BOARD SHALL BE PROVIDED IN ALL EXPANSION GAPS AND SEALED WITH POLY-SULPHIDE SEALANT.
- THE MINOR BRIDGE IS DESIGNED FOR A MINIMUM SAFE BEARING CAPACITY OF THE SOIL OF $15.0T/M^2$ AFTER EXCAVATION. SBC OF THE SOIL SHALL BE VERIFIED TO ENSURE CONFORMITY WITH THE DESIGN IN CASE OF ANY DEFICIENCY, NECESSARY GROUND IMPROVEMENT SHALL BE CARRIED OUT & REQUIRED SBC SHALL BE ENSURED BEFORE LAYING FOUNDATION LEVELLING COURSE.
- ALL THE LEVELS AND CAMBERS TO BE VERIFIED WITH RESPECT TO PLAN & PROFILE DRAWINGS BEFORE STARTING UP OF EXCAVATION.
- BACK FILLING BEHIND WALLS SHALL BE DONE SIMULTANEOUSLY ON EITHER SIDE OF THE STRUCTURE WITH HEIGHT DIFFERENCE NOT MORE THAN 1.0M.
- 600MM THICK FILTER MEDIA SHALL BE PROVIDED BEHIND SIDE WALLS AND WING WALLS AS PER IRC:78-2014.
- WEARING COAT 65MM THICK ASPHALTIC CONCRETE OVER WATER PROOFING MEMBRANE.
- MINIMUM ANCHORAGE LENGTH OF 40xD & LAP LENGTH OF 56xD FOR HYSD Fe500 BARS SHALL BE PROVIDED. WHERE 'D' IS THE DIAMETER OF BAR TO BE LAPPED. THE LAPS SHALL BE STAGGERED SUITABLY & MORE THAN 50% BARS SHALL NOT BE LAPPED AT ONE LOCATION.
- DESIGN OF BRIDGE IS BASED ON LIVE LOAD COMBINATION OF 4-LANES OF CLASS A OR 2-LANE OF 70R OR 2-LANE OF CLASS A + 1-LANE OF 70R WHICHEVER PRODUCE SEVERE EFFECT.
- ANY DISCREPANCY NOTED SHOULD BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY.

CLIENT :

National Highways & Infrastructure Development
Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY
AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM -
KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO
KM. 158.00 (TOTAL LENGTH 70 KM)
IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:



Voyants Solutions Pvt Ltd.
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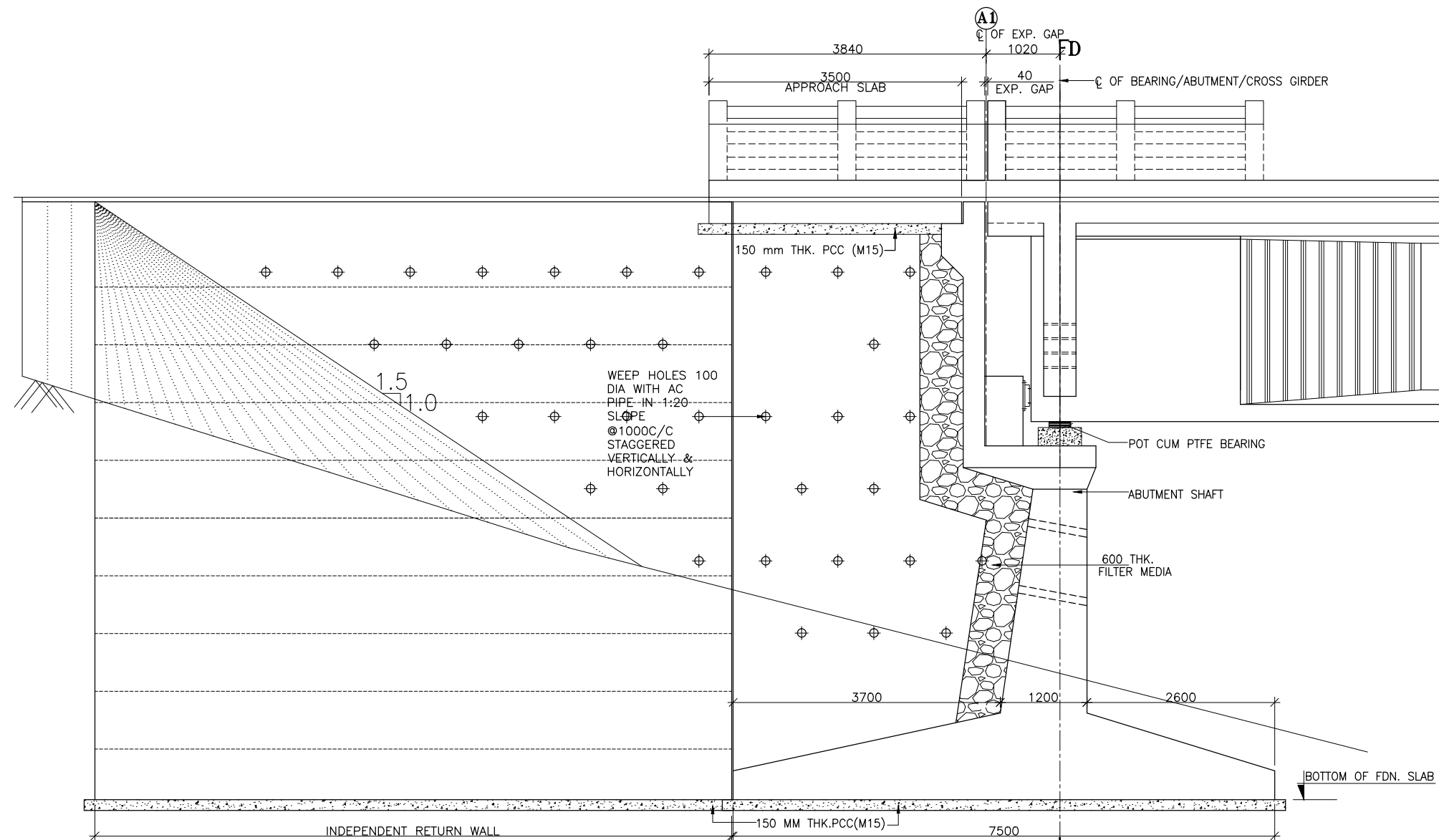
R0	14/09/2016	
REV.	DATE	DESCRIPTION

DRAWN BY :	PD
DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

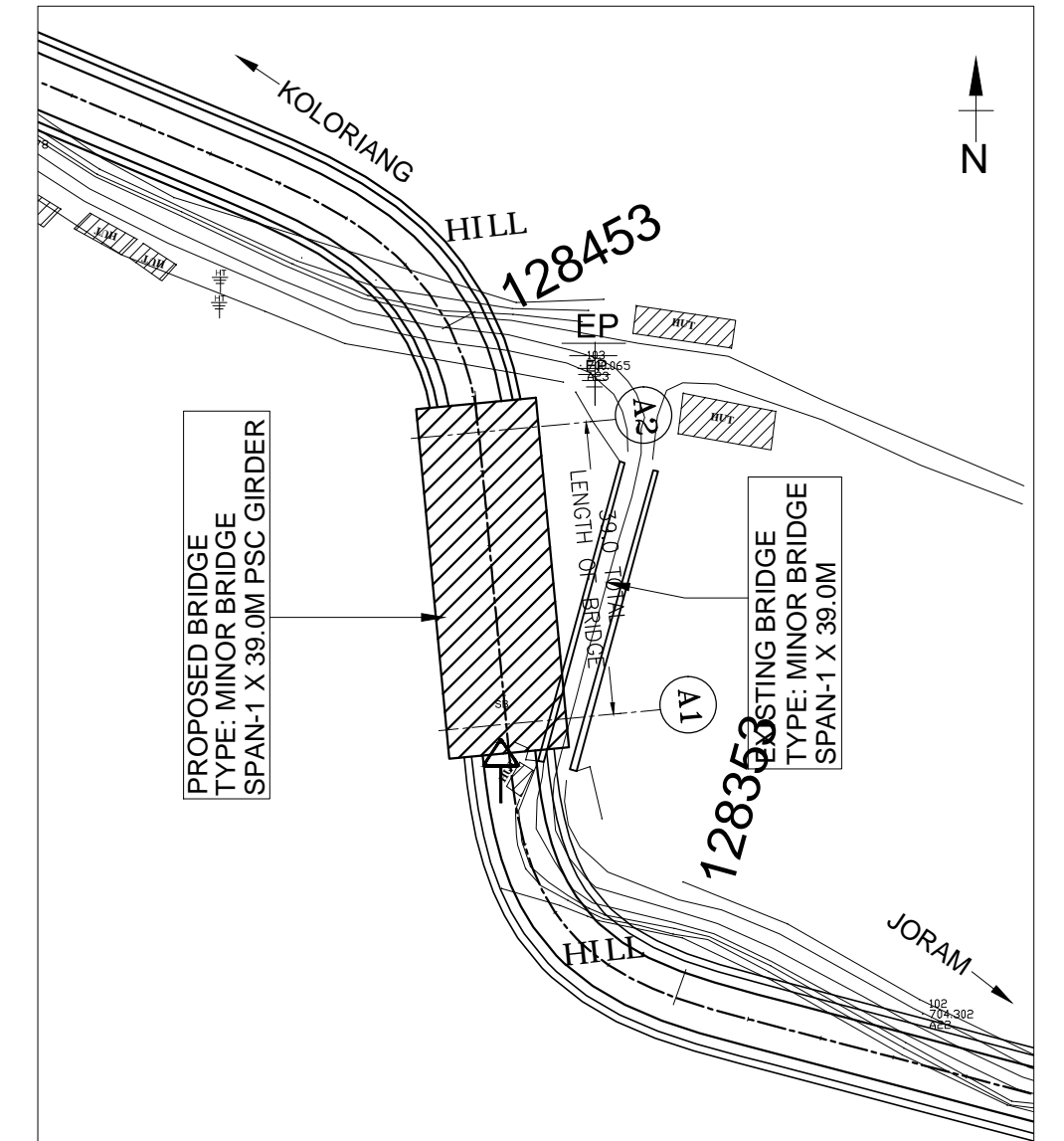
TITLE : GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 143+400 (DESIGN CHAINAGE 127+283)	
DRG. NO. : VSPL/1438/JK/DPR/GAD/MNBR- 07	SHEET 02 OF 02
REVISION : R0	JANUARY 2017

JORAM

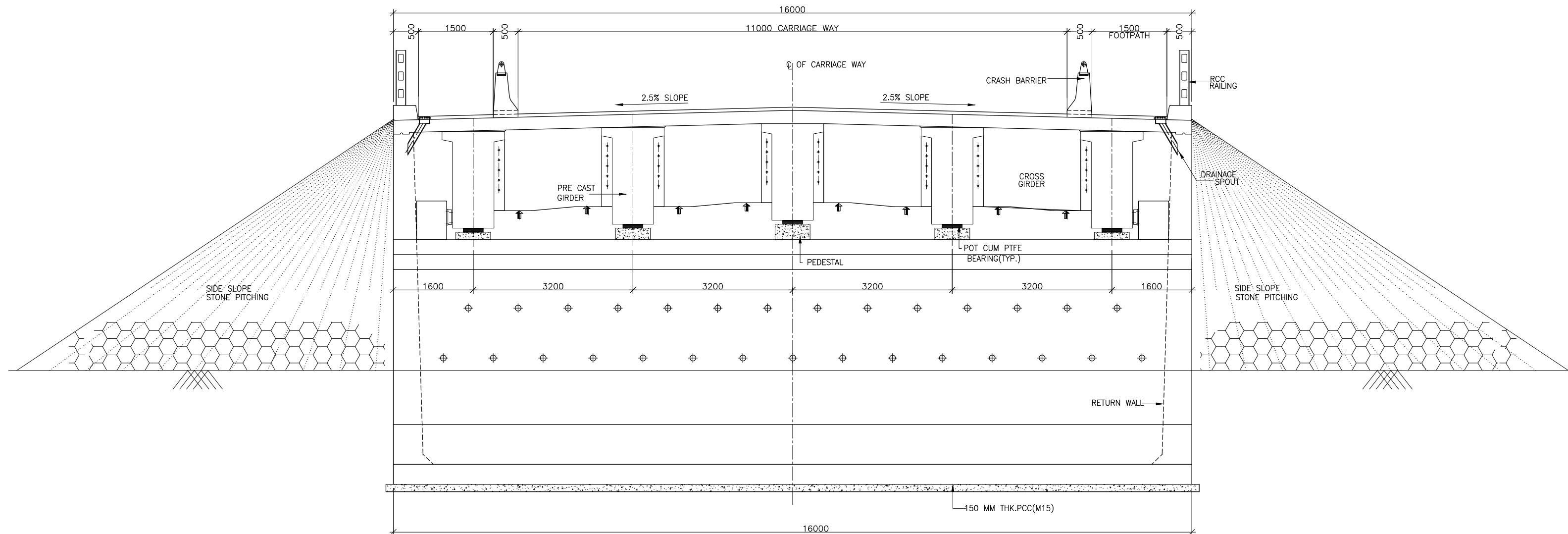
KOLORIANG



SECTIONAL ELEVATION OF ABUTMENT
SCALE 1:75



KEY PLAN
SCALE 1:1000



SECTION ON D-D
SCALE 1:75

CLIENT :



National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM - KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO KM. 158.00 (TOTAL LENGTH 70 KM) IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:



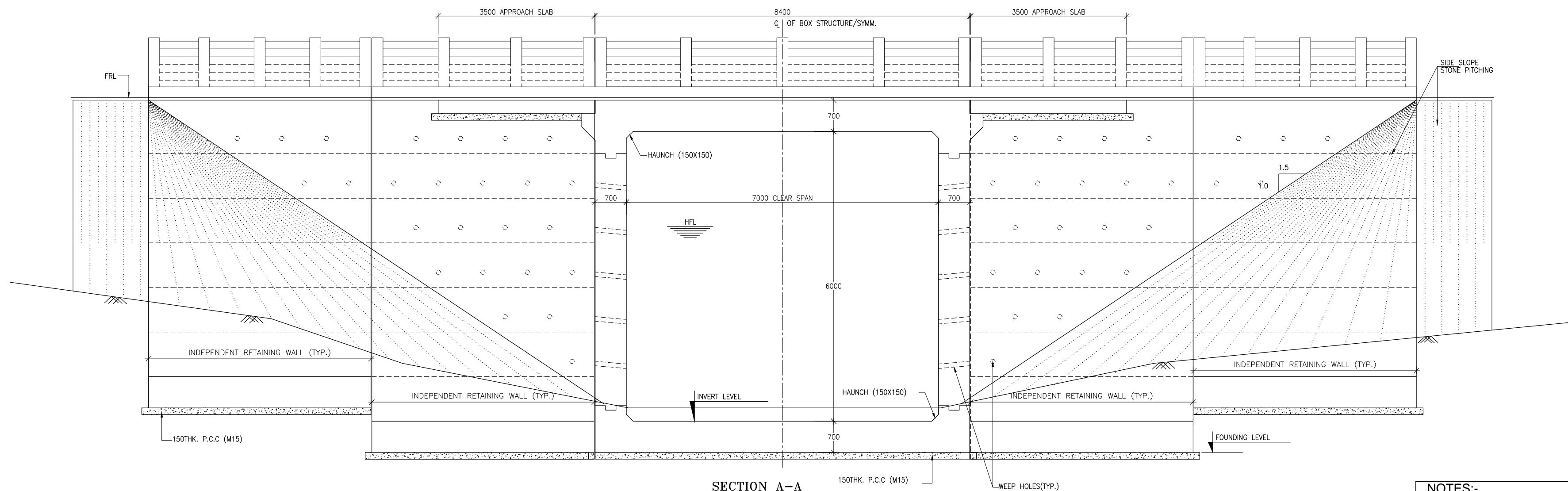
Voyants Solutions Pvt Ltd.
403, 4th Floor, Park Centra,
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Gurgaon-122002, Haryana
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REV.	DATE	DESCRIPTION
R0	14/09/2016	

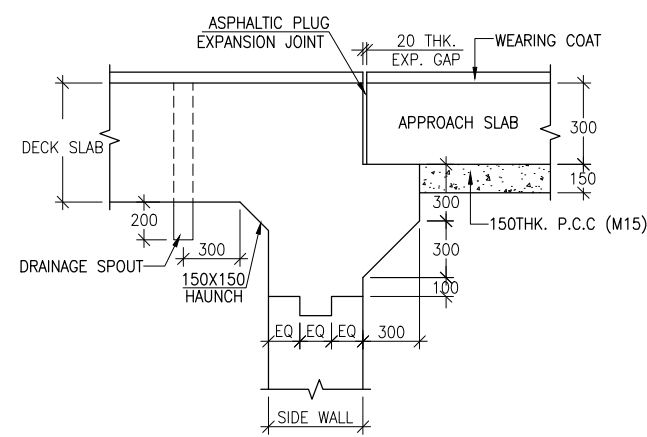
DRAWN BY :	PD
DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

TITLE :	GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 144+640 (DESIGN CHAINAGE 128+423)
DRG. NO. :	VSPL/1438/JK/DPR/GAD/MNBR- 08
REVISION : R0	JANUARY 2017

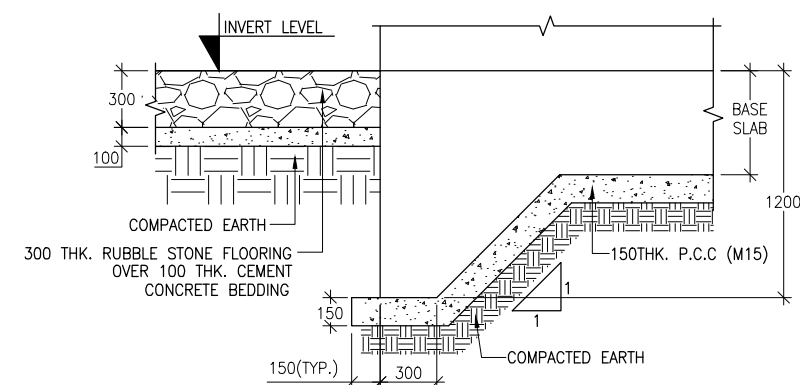
SHEET 02 OF 02



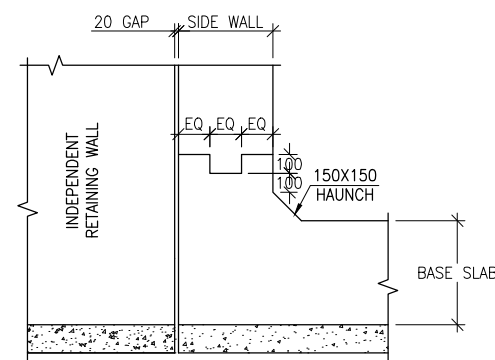
SECTION A-A
(SCALE=1:150)



DETAIL 'B'
(SCALE=1:40)



DETAIL 'C'
(SCALE=1:40)



DETAIL 'A'
(SCALE=1:40)

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES, LEVELS ARE IN METRES AND CHAINAGES ARE IN KILOMETRES, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- GRADE OF CONCRETE FOR VARIES ELEMENTS SHALL BE AS FOLLOWS:
a) RCC BOX.....M30
b) CRASH BARRIER.....M40
c) APPROACH SLAB.....M30
e) PCC LEVELLING COURSE.....M15
- DESIGN CRITERIA HAS BEEN FROM THE FOLLOWING CODES.
a) IRC: SP13-2004 b) IRC: 6-2014
c) IRC: 78-2014 d) IRC: 112-2011
- REINFORCEMENT SHALL BE HYSD BARS OF GRADE DESIGNATION FE-500 CONFORMING TO IS:1786.
- MINIMUM CLEAR COVER
DECK SLAB- 50MM, INNER & OUTER WALL - 50MM, BOTTOM SLAB - 75MM
- BACK FILLING BEHIND THE STRUCTURE SHALL CONSIST OF SELECTED EARTH CONFORMING TO APPENDIX 6 OF IRC:78-2014 HAVING PROPERTIES $\phi < 30^\circ$, $C=0$, $\gamma = 2.0T/M^3$
- SOFT AND LOOSE PATCHES IN THE BEARING AREA ARE TO BE REPLACED BY COMPACTED GRANULAR FILLS WITH LAYERS NOT EXCEEDING 300MM.
- COMPRESSIBLE FILLER BOARD SHALL BE PROVIDED IN ALL EXPANSION GAPS AND SEALED WITH POLY-SULPHIDE SEALANT.
- THE MINOR BRIDGE IS DESIGNED FOR A MINIMUM SAFE BEARING CAPACITY OF THE SOIL OF $15.0T/M^2$ AFTER EXCAVATION. SBC OF THE SOIL SHALL BE VERIFIED TO ENSURE CONFORMITY WITH THE DESIGN IN CASE OF ANY DEFICIENCY, NECESSARY GROUND IMPROVEMENT SHALL BE CARRIED OUT & REQUIRED SBC SHALL BE ENSURE BEFORE LAYING FOUNDATION LEVELING COURSE.
- ALL THE LEVELS AND CAMBERS TO BE VERIFIED WITH RESPECT TO PLAN & PROFILE DRAWINGS BEFORE STARTING UP OF EXCAVATION.
- BACK FILLING BEHIND WALLS SHALL BE DONE SIMULTANEOUSLY ON EITHER SIDE OF THE STRUCTURE WITH HEIGHT DIFFERENCE NOT MORE THAN 1.0M.
- 600MM THICK FILTER MEDIA SHALL BE PROVIDED BEHIND SIDE WALLS AND WING WALLS AS PER IR:78-2014.
- WEARING COAT 65MM THICK ASPHALTIC CONCRETE OVER WATER PROOFING MEMBRANE.
- MINIMUM ANCHORAGE LENGTH OF $40 \times d$ & LAP LENGTH OF $56 \times d$ FOR HYSD Fe500 BARS SHALL BE PROVIDED. WHERE 'd' IS THE DIAMETER OF BAR TO BE LAPPED. THE LAPS SHALL BE STAGGERED SUITABLY & MORE THAN 50% BARS SHALL NOT BE LAPPED AT ONE LOCATION.
- DESIGN OF BRIDGE IS BASED ON LIVE LOAD COMBINATION OF 4-LANES OF CLASS A OR 2-LANE OF 70R OR 2-LANE OF CLASS A + 1-LANE OF 70R WHICHEVER PRODUCE SEVER EFFECT.
- ANY DISCREPANCY NOTED SHOULD BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY.

CLIENT :



National Highways & Infrastructure Development
Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY
AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM -
KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO
KM. 158.00 (TOTAL LENGTH 70 KM)
IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:

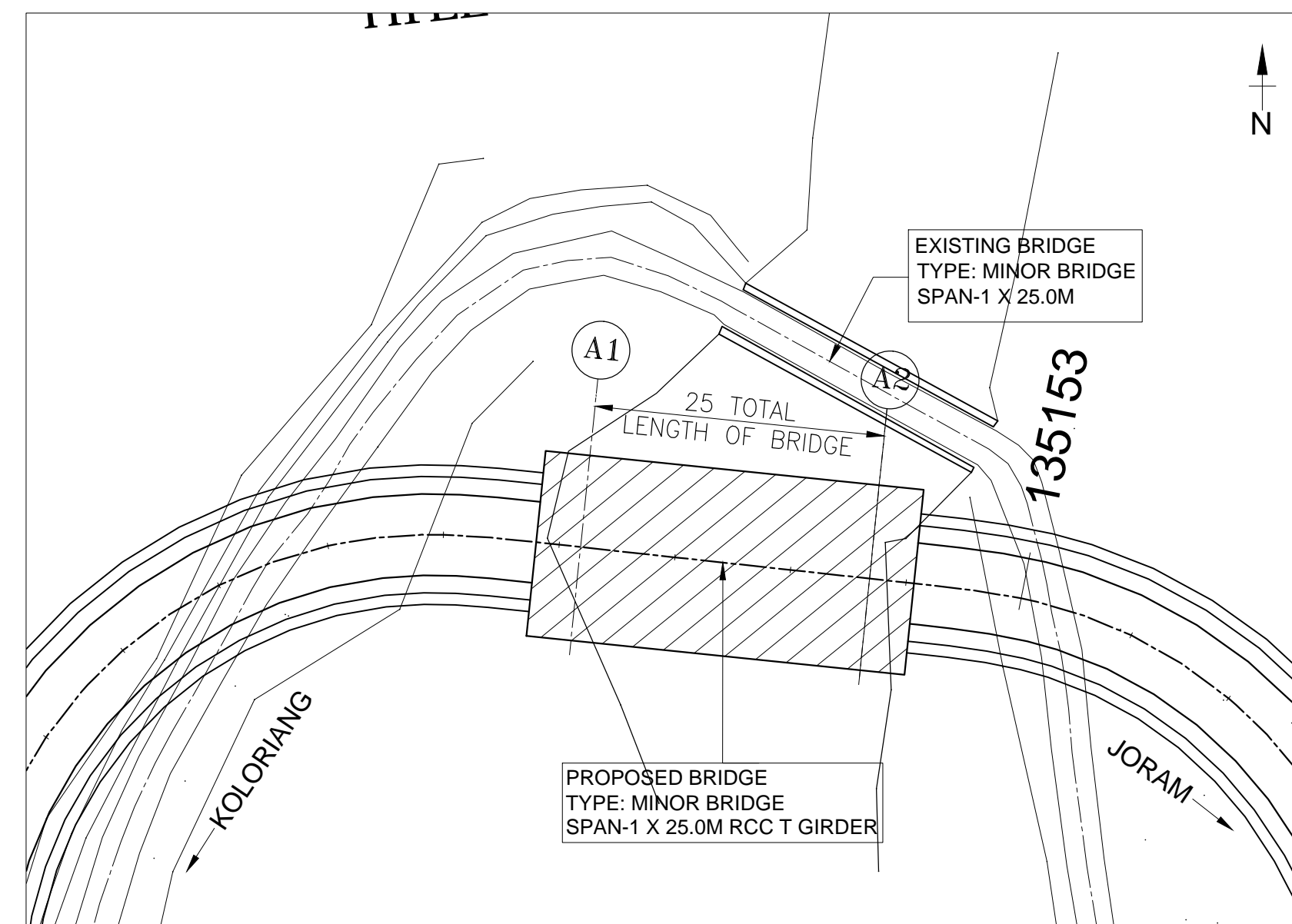


Voyants Solutions Pvt Ltd.
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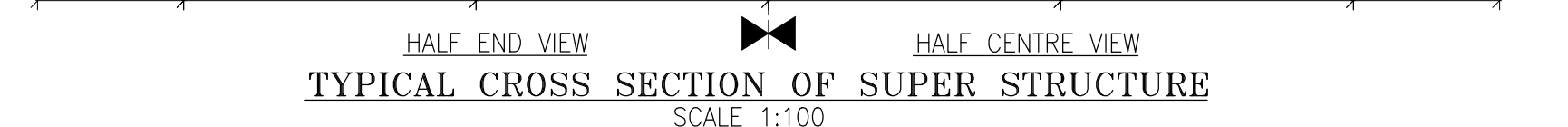
R0	14/09/2016	
REV.	DATE	DESCRIPTION

DRAWN BY :	PD
DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

TITLE : GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 147+100 (DESIGN CHAINAGE 130+383)	
DRG. NO. : VSPL/1438/JK/DPR/GAD/MNBR- 09	SHEET 02 OF 02
REVISION : R0	JANUARY 2017

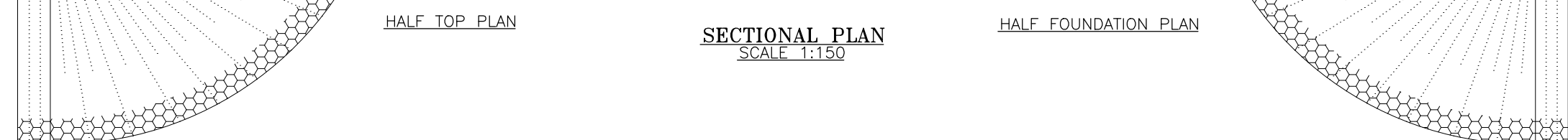


KEY PLAN
SCALE 1: 500



TYPICAL CROSS SECTION OF SUPER STRUCTURE
SCALE 1:100

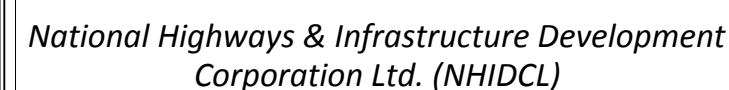
135+183
SECTIONAL ELEVATION SHOWING GENERAL ARRANGEMENT
SCALE 1:150



SECTIONAL PLAN
SCALE 1:150

HALF FOUNDATION PLAN

CLIENT :



PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY
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KM. 158.00 (TOTAL LENGTH 70 KM)
IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

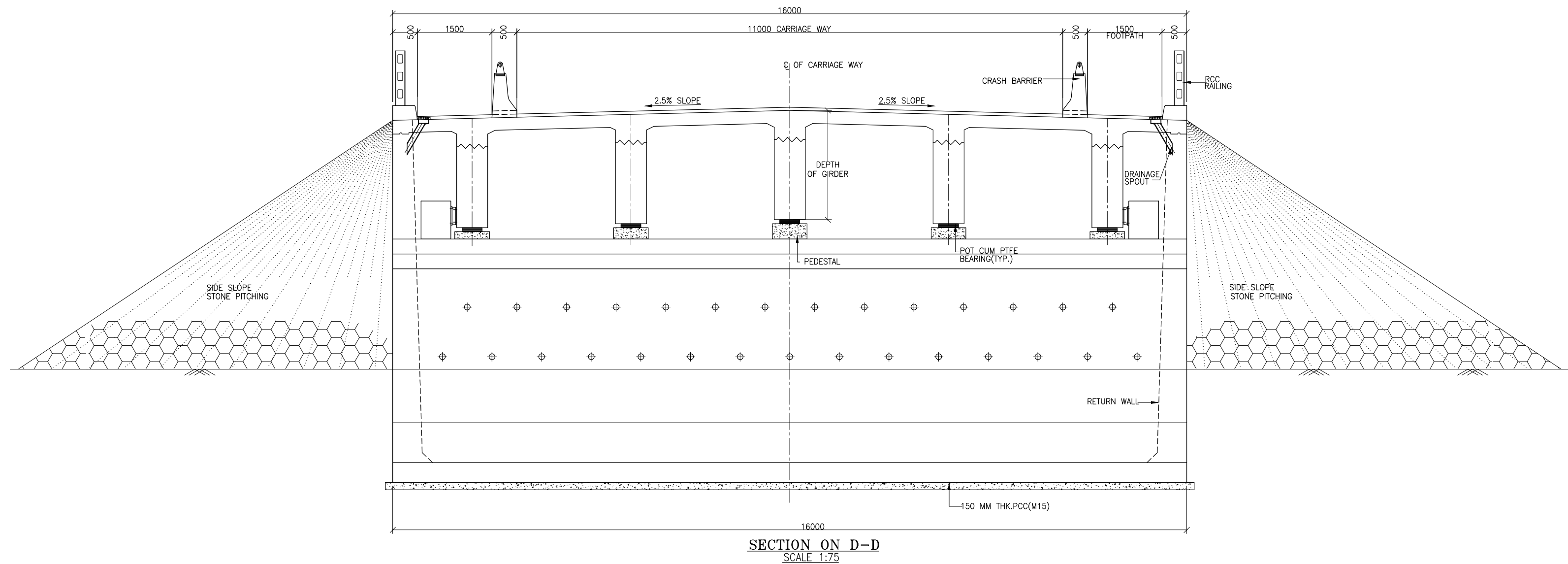
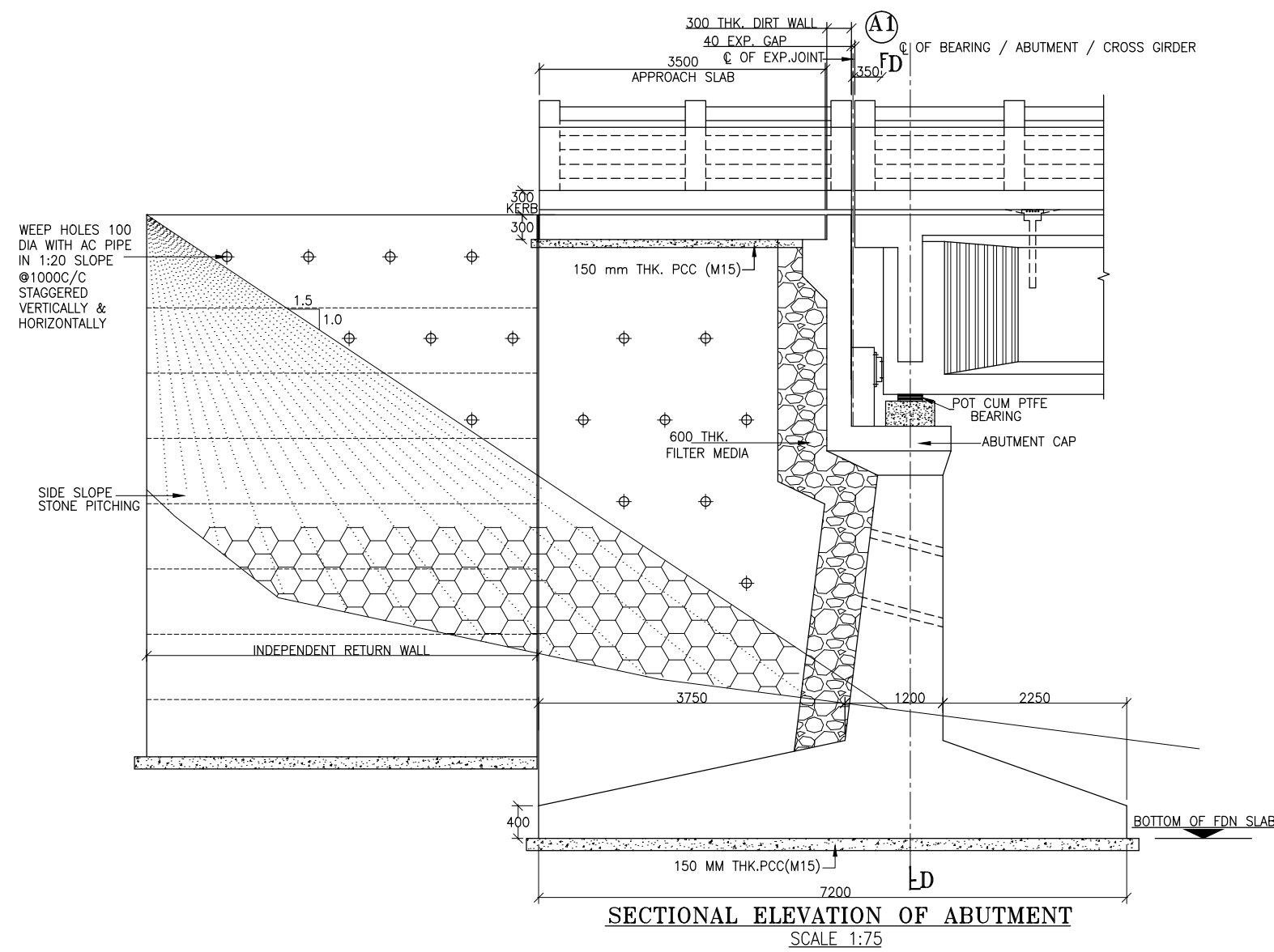
DESIGN CONSULTANT:



			DRAWN BY : PD	TITLE : GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 152+640 (DESIGN CHAINAGE 135+183)	
			DESIGNED BY : SG		
R0	14/09/2016		APPROVED BY : KG		
				DRG. NO. : SHEET 01 OF 02	
				VSP/L/1438/JK/DPR/GAD/MNBR- 10	
REV.	DATE	DESCRIPTION	SCALE : AS SHOWN	REVISION : R0	JANUARY 2017

JORAM

KOLORIANG



NOTES :-

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS MENTIONED OTHERWISE.
- DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- THE LAYOUT OF THE MAJOR BRIDGE SHALL BE SET WITH RESPECT TO THE RELEVANT HIGHWAY PROFILE.
- ALL CONCRETE SHALL BE DESIGN MIX & MINIMUM GRADE OF WHICH IN VARIOUS COMPONENTS SHALL BE AS FOLLOWS :-

RCC T GIRDER	M35
RCC SLAB OVER RCC T GIRDER	M35
RCC CRASH BARRIER AND PEDESTAL	M40
RCC SUBSTRUCTURE	M35
RCC PILE	M35
RCC PILE CAP	M35
RCC OPEN FOUNDATION	M35
APPROACH SLAB	M30
PCC LEVELING COURSE	M15
- HIGH STRENGTH DEFORMED BARS SHALL BE OF GRADE Fe500 CONFORMING TO IS: 1786-1985
- DESIGN OF BRIDGE IS BASED ON LIVE LOAD COMBINATION OF 4-LANES OF CLASS A OR 2-LANE OF 70R OR 2-LANE OF CLASS A + 1-LANE OF 70R WHICHEVER PRODUCE SEVER EFFECT.
- THE FORMATION LEVEL GIVEN IN THIS DRAWING SHALL BE VERIFIED FROM THE RELEVANT HIGHWAY DRAWING. IN CASE OF ANY DISCREPANCY THE HIGHWAY DRAWING SHALL BE CONSIDERED CORRECT.
- LAYING, COMPACTION & EXTENT OF BACKFILL BEHIND ABUTMENT & RETAINING WALLS SHALL CONSIST OF SELECTED EARTH CONFIRMING TO THE APPENDIX-6 OF IRC:78-2000 HAVING PROPERTIES $C=0$, $\phi=30^\circ$ & DENSITY $=20\text{KN/m}^3$
- WEEP HOLES ON THE ABUTMENT & RETAINING WALLS SHALL BE SPACED 1000 c/c HORIZANTALY & VERTICALLY IN STAGGERED MANNER FROM 500MM ABOVE LWL TO HFL.

CLIENT :



National Highways & Infrastructure Development Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM - KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO KM. 158.00 (TOTAL LENGTH 70 KM) IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:

**Voyants Solutions Pvt Ltd.**

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Fax: 0124-4019051
E-mail: info@voyants.in, www.voyants.in

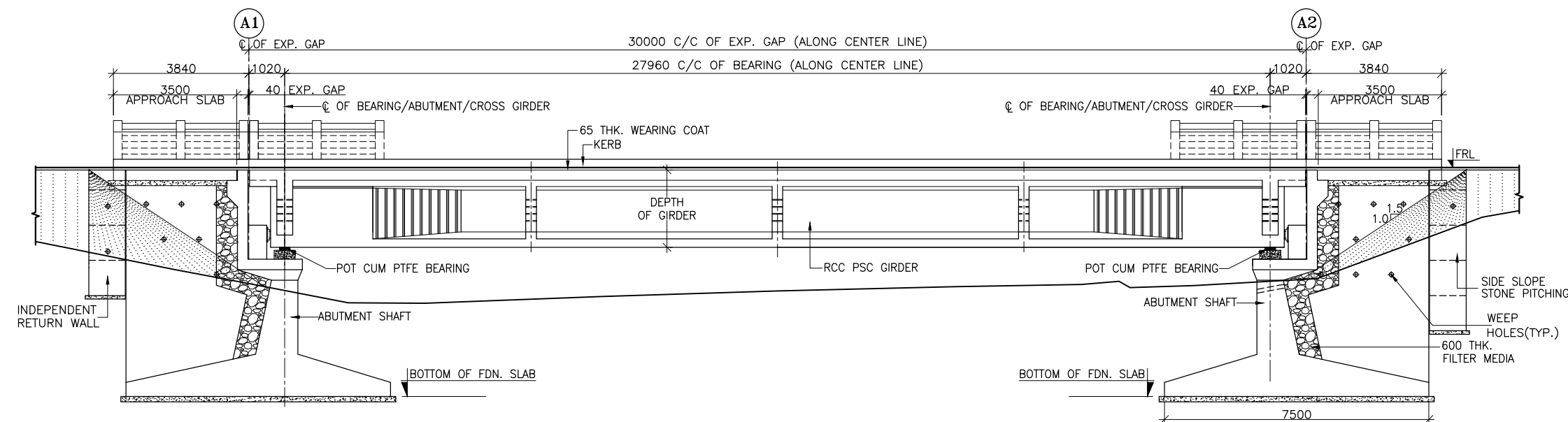
R0	14/09/2016	
REV.	DATE	DESCRIPTION

DRAWN BY :	PD
DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

TITLE : GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 152+640 (DESIGN CHAINAGE 135+183)	
DRG. NO. : VSPL/1438/JK/DPR/GAD/MNBR- 10	SHEET 02 OF 02
REVISION : R0	JANUARY 2017

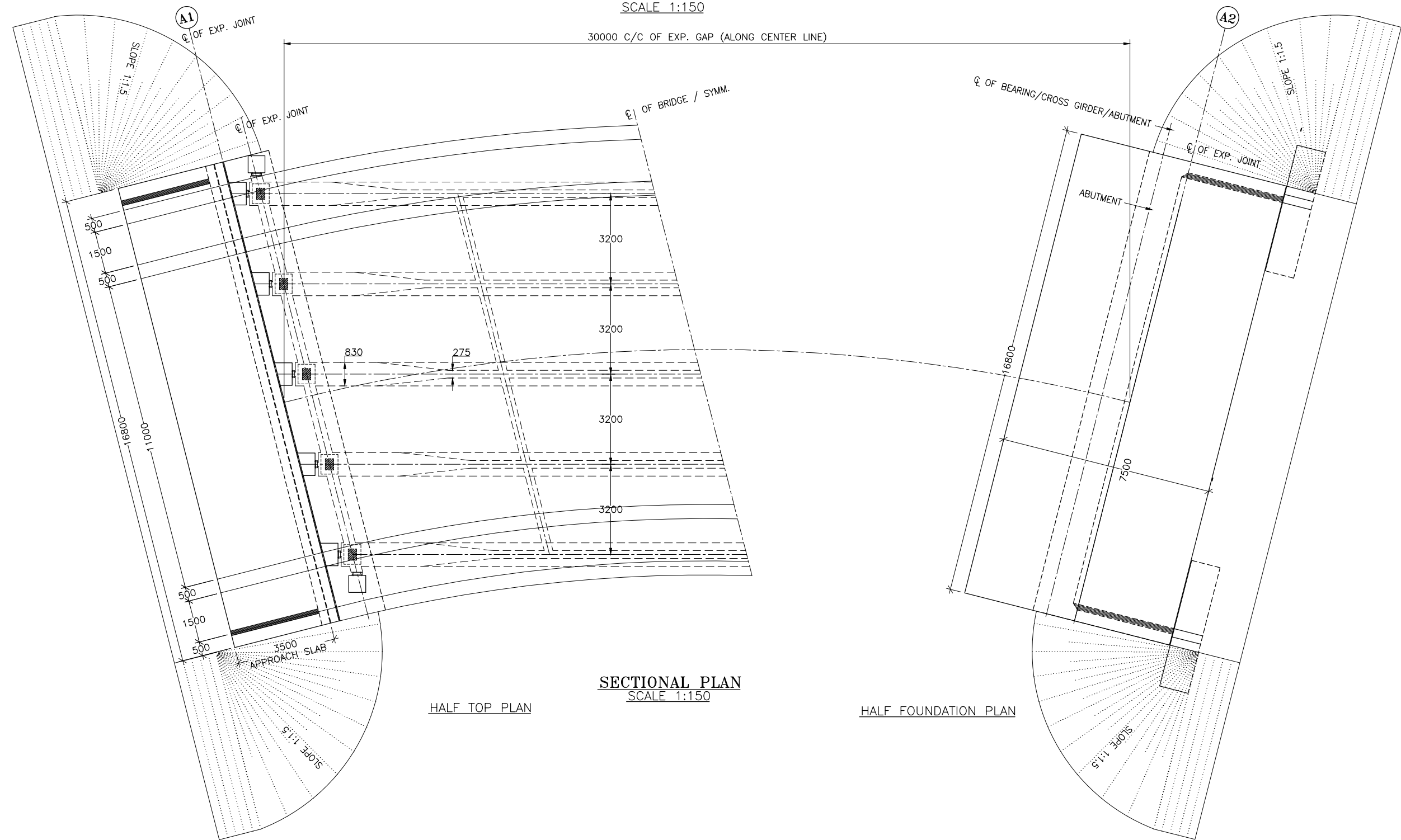
JORAM

KOLORIANG



FINISHED ROAD LEVEL	901.151	901.247	901.344	901.441	901.538	901.635
EXISTING LEVEL	900.644	898.097	897.734	898.013	899.093	900.871
CHAINAGE	137+543	137+553	137+563	137+573	137+583	137+593

SECTIONAL ELEVATION SHOWING GENERAL ARRANGEMENT
SCALE 1:150



SECTIONAL PLAN
SCALE 1:150

HALF FOUNDATION PLAN

NOTES :-

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS MENTIONED OTHERWISE.
- DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- THE LAYOUT OF THE MAJOR BRIDGE SHALL BE SET WITH RESPECT TO THE RELEVANT HIGHWAY PROFILE.
- ALL CONCRETE SHALL BE DESIGN MIX & MINIMUM GRADE OF WHICH IN VARIOUS COMPONENTS SHALL BE AS FOLLOWS :-

PSC GIRDER	M45
RCC SLAB OVER PSC GIRDER	M45
RCC CRASH BARRIER AND PEDESTAL	M40
RCC SUBSTRUCTURE	M35
RCC PILE	M35
RCC PILE CAP	M35
RCC OPEN FOUNDATION	M35
APPROACH SLAB	M30
PCC LEVELING COURSE	M15
- HIGH STRENGTH DEFORMED BARS SHALL BE OF GRADE Fe500 CONFORMING TO IS: 1786-1985
- DESIGN OF BRIDGE IS BASED ON LIVE LOAD COMBINATION OF 4-LANES OF CLASS A OR 2-LANE OF 70R OR 2-LANE OF CLASS A + 1-LANE OF 70R WHICHEVER PRODUCE SEVER EFFECT.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH BORE LOG DETAILS REFER 2 OF 2 OF THIS DRAWING
- THE FORMATION LEVEL GIVEN IN THIS DRAWING SHALL BE VERIFIED FROM THE RELEVANT HIGHWAY DRAWING. IN CASE OF ANY DISCREPANCY THE HIGHWAY DRAWING SHALL BE CONSIDERED CORRECT.
- LAYING, COMPACTION & EXTENT OF BACKFILL BEHIND ABUTMENT & RETAINING WALLS SHALL CONSIST OF SELECTED EARTH CONFIRMING TO THE APPENDIX-6 OF IRC:78-2000 HAVING PROPERTIES $C=0$, $\phi=30^\circ$ & DENSITY= 20KN/m^3
- WEEP HOLES ON THE ABUTMENT & RETAINING WALLS SHALL BE SPACED 1000 c/c HORIZANTALLY & VERTICALLY IN STAGGERED MANNER FROM 500MM ABOVE LWL TO HFL.

CLIENT :



National Highways & Infrastructure Development
Corporation Ltd. (NHIDCL)

PROJECT :

CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY
AND DETAILED PROJECT REPORT FOR TWO LANING OF JORAM -
KOLORIANG ROAD (NH-713) FROM KM. 20.00 TO KM. 70.00 & KM. 138.00 TO
KM. 158.00 (TOTAL LENGTH 70 KM)
IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:



Voyants Solutions Pvt Ltd.
403, 4th Floor, Park Centra,
Sector-30, Opp. 32nd Milestone, NH-8
Gurgaon-122002, Haryana
CIN- U74140HR2004PTC046918
Ph: 0124-4598200
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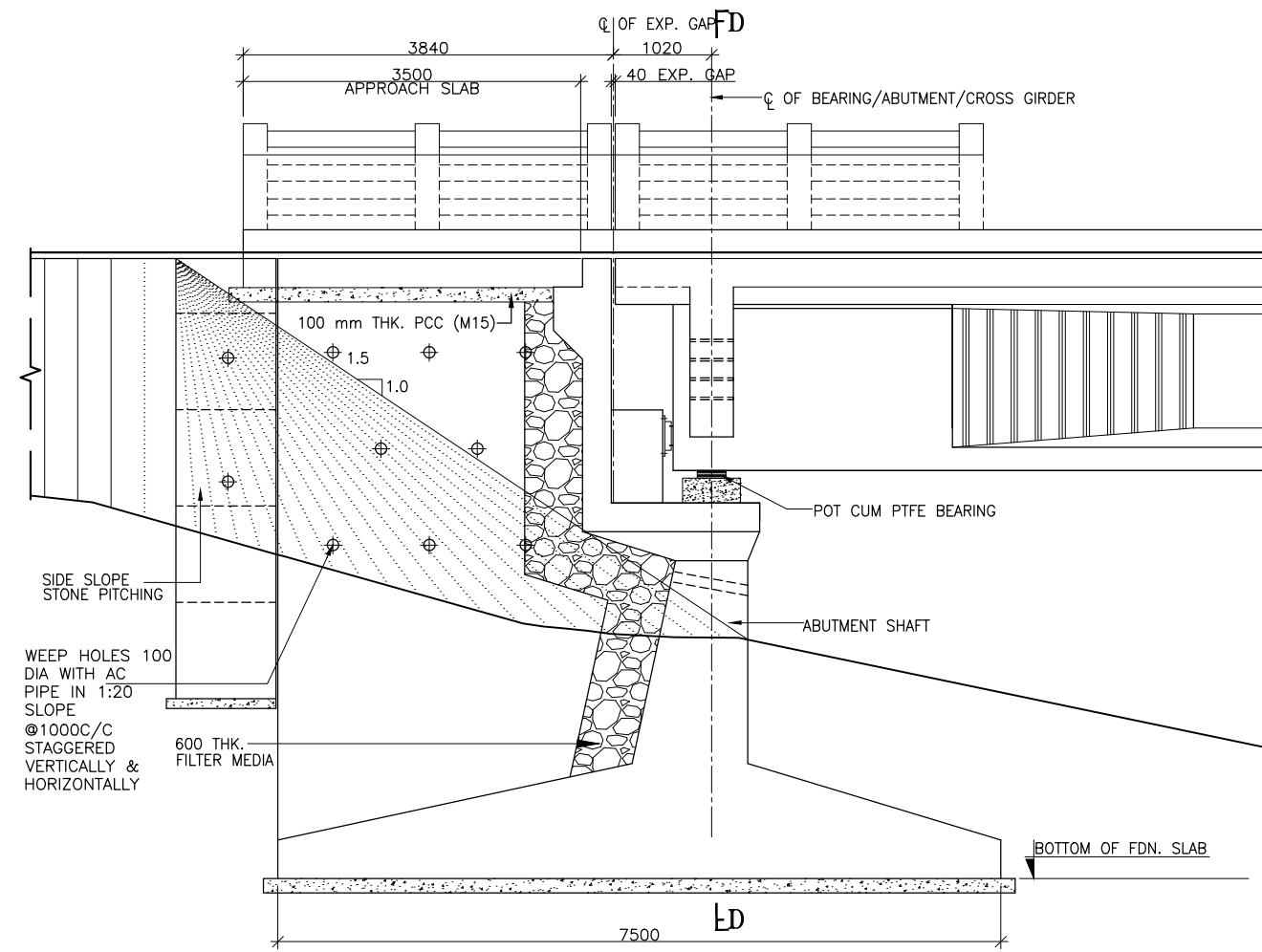
REV.	DATE	DESCRIPTION
R0	14/09/2016	

DRAWN BY :	PD
DESIGNED BY :	SG
APPROVED BY :	KG
SCALE :	AS SHOWN

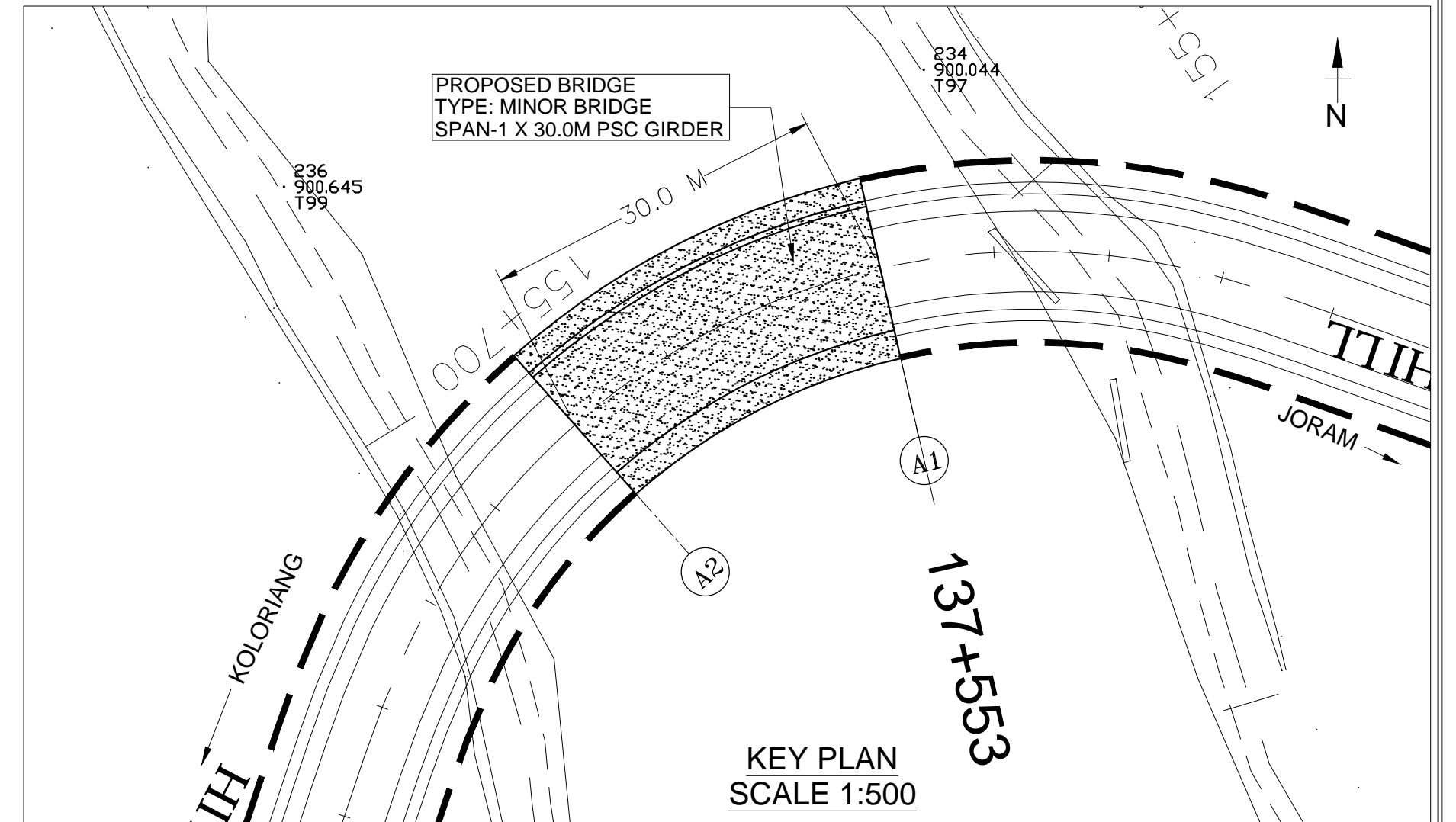
TITLE :	GENERAL ARRANGEMENT DRAWING MINOR BRIDGE AT EXISTING CHAINAGE 155+600 (DESIGN CHAINAGE 137+568)
DRG. NO. :	VSPL/1438/JK/DPR/GAD/MNBR- 01
REVISION : R0	JANUARY 2017

JORAM

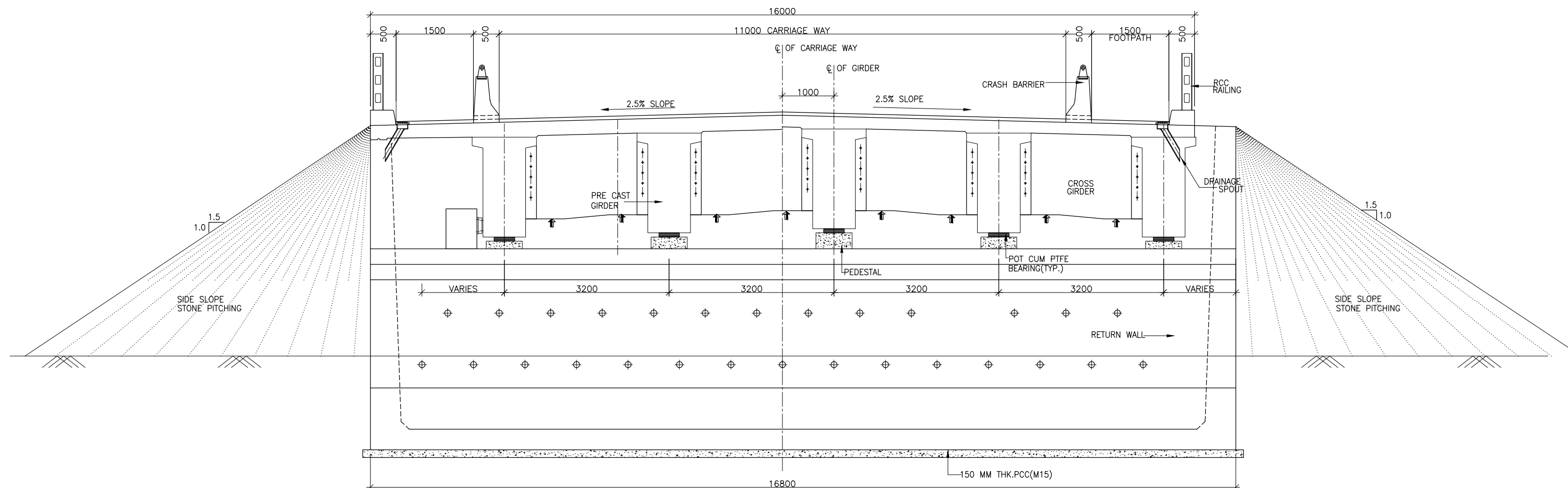
KOLORIANG



SECTIONAL ELEVATION OF ABUTMENT
SCALE 1:75



KEY PLAN
SCALE 1:500



SECTION ON D-D
SCALE 1:75

CLIENT :



National Highways & Infrastructure Development
Corporation Ltd. (NHIDCL)

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CONSULTANCY SERVICES FOR PREPARATION OF FEASIBILITY STUDY
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IN THE STATE OF ARUNACHAL PRADESH ON EPC MODE

DESIGN CONSULTANT:



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Sector-30, Opp. 32nd Milestone, NH-8
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SHEET 02 OF 02