



Government of India

Ministry of Road Transport & Highways

Office of the Chief Engineer-Regional Officer

No. 32, 2nd Floor, KSCFL Building, Race Course Road, Bengaluru - 560 001.

Email: robengaluru@gmail.com; Telephone: 080-22267457, 080-22265765

No. RW/BNG/PER.CASES/HSN.DVN/2019/ 1673

Date: 15.03.2022

Notice inviting public comments on proposal seeking permission for canal crossing near Kadaravalli village at Chainage 478.900 of NH - 373 of Belur - Bilikere section by Cauvery Niravari Nigam Ltd., through open trench method by Hemavathy Dam Division, Gorur - Reg.

Reference: The Executive Engineer, NH Division, Hassan letter No. EE/NHD/HSN/AE-1/NH-373/2021-22/876 dated 25.01.2022.

The Executive Engineer, NH Division, Hassan vide letter cited under reference above (Annexure -I), has submitted the an proposal seeking permission for canal crossing near Kadaravalli village at Chainage 478.900 of NH - 373 of Belur - Bilikere section by Cauvery Niravari Nigam Ltd., through open trench method by Hemavathy Dam Division, Gorur.

2. The proposal has been examined as per Ministry's Guidelines vide letter No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and is generally found in order.

3. In view of the above, as per Ministry's said guidelines Para 4, public comments are invited on the above proposal making claims and raising objections (on grounds of public inconvenience, safety and general public interest) if any within 30 days on public portal i.e., website of Ministry of Road Transport and Highways (morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

Comment Inviting Authority

The Chief Engineer-Regional Officer

Ministry of Road Transport & Highways

No. 32, 2nd Floor, Race Course Road, Bengaluru - 560 001.

Email: robengaluru@gmail.com Telephone: 080-22217457, 080-22105765

Encl: As above.

(S. Sadananda Babu)

Superintending Engineer
for Chief Engineer-Regional Officer

Copy to: (i) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's website.

(ii) The Executive Engineer, CNNL, Hemavathy Dam Division, Gorur - for information.

(S. Sadananda Babu)
Superintending Engineer
for Chief Engineer-Regional Officer

FORM A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways.

Subject: Notice inviting public comments on proposal seeking Permission for canal crossing near Kadaravalli village at Chainage 478.900 of NH - 373 of Belur - Bilikere section by Cauvery Niravari Nigam Ltd., through open trench method by Hemavathy Dam Division Gorur - Reg.

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments.

Sl.No.	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest).	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	

Annexure I



GOVERNMENT OF KARNATAKA (Public works Department)

Phone No 08172-297402

email: eenhassan@gmail.com

NO. EE/NHD/HSN/AE-1/NH-373/2021-22 / 876

Office of the Executive Engineer,
National Highway Division,
Hassan.

Dated: 25/01/2022

To,

The Chief Engineer,
Regional officer (Civil), MORT&H
NO 32, 2ND FLOOR, KSCFL building
Race course road, banglore-1

O/o. THE CE-RO
MORT&H, BENGALURU

Diary No.: 381

Date: 28-1-2022

Sir,

Sub: Permission for canal crossing near kadaravalli village at ch:479.30 km of NH-373 belur billikere section by Cauvery niravari nigama ltd through open trench method -compliance reg.

- Ref:**
1. Chief Engineer, National Highways, Bangalore Letter No. 5855 Dated:13/03/2020.
 2. CE-RO, MORTH letter no 93 dated 20/5/2020.
 3. Chief Engineer, National Highways, Bangalore Letter No. 1930 Dated:19/11/2020.
 4. CE-RO, MORTH letter no 1032 dated 31/12/2020.
 5. our office letter no 806 dated 6/1/2022
 6. AEE NH sub div hassan letter no 172 dated 6/1/2022
 7. CE-RO, MORTH letter no 1380 dated 13/01/2022.
 8. AEE NH sub div hassan letter no 187 dated 25/1/2022

The proposal for Permission to canal crossing near kadaravalli village at ch:479.30 km of NH-373 belur billikere section by Cauvery niravari nigama ltd through open trench method was submitted to your office for approval vide ref (1). further your office vide ref(2) has raised few observations for which compliance was submitted to your office vide ref(3). And further your observations vide letter no 1032 dated 31/12/2020 for which compliance and necessary documents was submitted to your office vide ref (5).

Further due compliance to your observation vide letter no 1032 dated 31/12/2020 and vide ref (7) dated 13/1/2022 has been attended and necessary certified design and drawings was submitted by AEE NH sub division hassan vide ref (8)

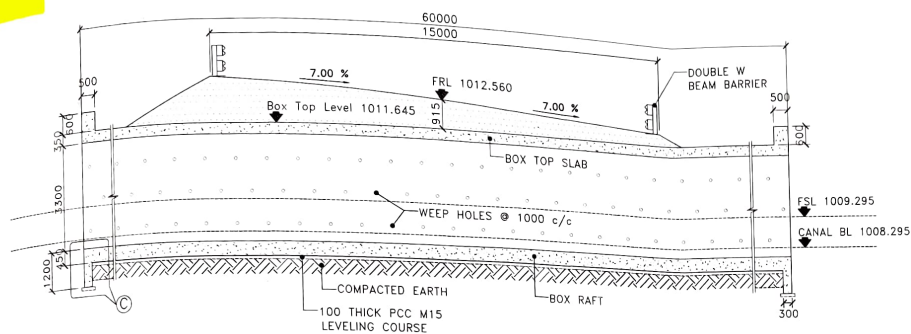
The above proposal is submitted along with necessary documents with request to communicate approval to issue NOC

Enclosed - 3 booklets

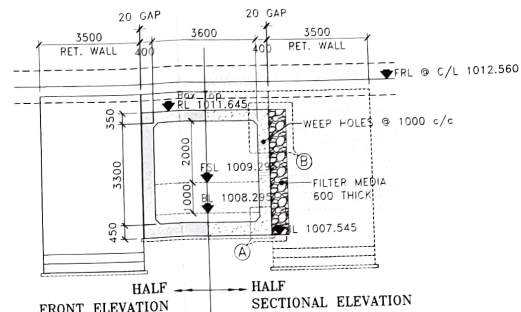
*Pl. examine & put up
28/1/2022
SE*

Your faithfully
[Signature]
Executive engineer
National Highway Division
Hassan

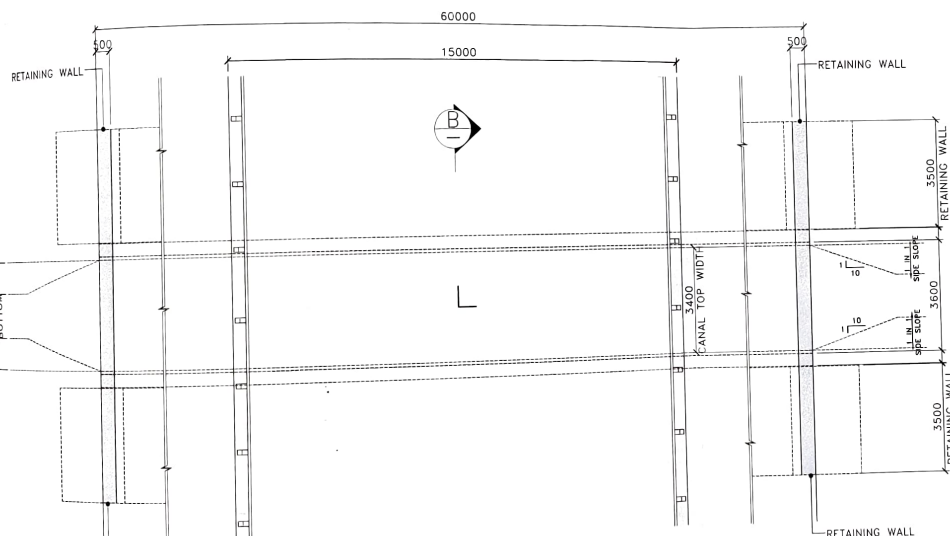
*on file please
LPC*



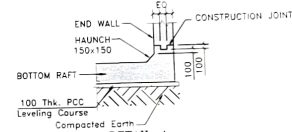
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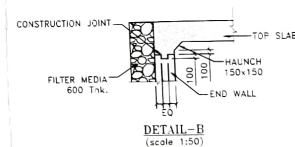
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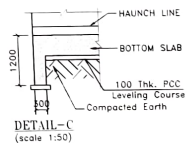
PLAN
(scale 1:100)



DETAIL-A
(scale 1:75)



DETAIL-B
(scale 1:50)



DETAIL-C
(scale 1:50)

Key
Assistant Executive Engineer
National Highway Sub-Division
M.G. Road, Hassan-573 201
Shel
Executive Engineer
National Highway Division
Hassan

CLIENT



CAUVERY NEERAVARI NIGAM LIMITED
(Government of Karnataka under taking)

S.D
Asst. Engineer

S.D
Executive Engineer
Yagachi Project Division
CNIL, Belar

Shanmugan
Asst. Executive Engineer
No. 3, VPR Project Division
CNIL, Belar

S.D
Superintending Engineer
Hemavathi Project Circle
CNIL, Belar

PROJECT

CONSTRUCTION OF ROAD
BRIDGE AT CH-2550 IN 3RD
KM OF KYATHANAHALLY
LIFT IRRIGATION SCHEME II
STAGE (NH-373 Ch 478+900)

Designed by

R.M.S.

Drawn by

A.B.

Checked by

R.M.S.

Approved by

TITLE

GENERAL ARRANGEMENT DRAWING

DRG No.

CNNL/KLIS-I/BRCH2550/GAD-001

Sheet No.

1 of 1

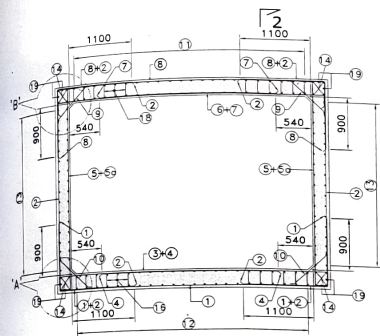
REV : R0

DATE
20-01-2022

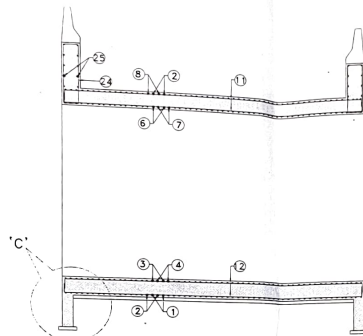
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AS SHOWN

SIZE : A2

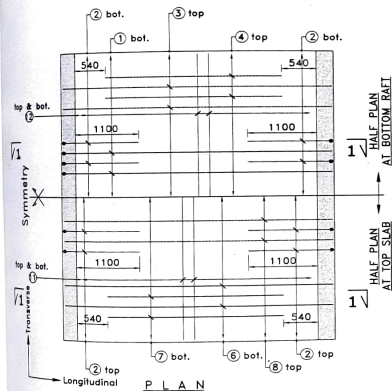
DESCRIPTION OF REVISION	DESIGNED	DRAWN	CHECKED	APPROVED
PREPARE SUBMISSION	R.M.S.	A.B.	R.M.S.	



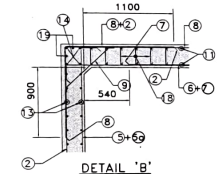
SECTIONAL ELEVATION OF BOX STRUCTURE
SECTION 1 - 1



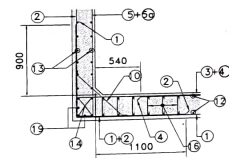
CROSS SECTION OF BOX STRUCTURE
SECTION 2 - 2



PLAN



DETAIL 'B'



DETAIL 'A'

- NOTE:
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVEL ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 - DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - LAYING, COMPACTION AND EXTENT OF BACK FILL BEHIND WALLS SHALL CONFIRM TO SPECIFICATIONS IN APPENDIX 6 OF IRC-78-2014.
 - Ø100mm WEEP HOLES SPACED AT 1000mm C/C BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN STAGGERED MANNER IN VERTICAL WALLS.
 - 600mm THICK FILTER MEDIA SHALL BE PROVIDED BEHIND VERTICAL WALLS AS PER "MORTAR" SPECIFICATIONS.
 - GRADE OF CONCRETE SHALL BE: BOX STRUCTURE, RETAINING WALL M25 LEVELING COURSE M15
 - ALL REINFORCING STEEL SHOULD BE HIGH YIELD STRENGTH DEFORMED (TMT) BARS AND GRADE F500.
 - CLEAR COVER TO THE REINFORCEMENT SHALL BE: R.1. EARTH FACE 75mm R.2. OTHER FACE 50mm
 - LAP SHALL BE PROVIDED AS PER CI 15.2.5.1 OF IRC 112-2020.
 - MINIMUM SBC REQUIRED IS 15 T/m². SAME SHALL VERIFIED AT SITE. IF FOUND LESS SAME SHALL BE BOUGHT TO THE NOTICE PRIOR EXECUTION.
 - SOFT AND LOOSE PATCHES IN THE BEARING AREA ARE TO BE REPLACED WITH COMPACTED GRANULAR FILLS WITH LAYER NOT EXCEEDING 300mm.
 - ALL OTHER DRAWINGS SHOULD BE READ WITH THIS DRAWING.
- GENERAL NOTE:
- APPROVAL OF COMPETENT AUTHORITY HAS TO BE OBTAINED FOR EXTRA FINANCIAL IMPLICATION IF ANY BEFORE EXECUTION OR FOR ANY OTHER MODIFICATIONS.
 - THIS DRAWING DO NOT BEAR ANY RISK OR RESPONSIBILITY FOR ANY FIELD LAPSES OR FAULTY WORKMANSHIP.

REINFORCEMENT SCHEDULE FOR RCC BOX

BAR MARK	DIA	SPACING / NOS	SHAPE
1	16	200	
2	16	200	
3	20	200	
4	16	200	
5	12	200	
5a	12	200	
6	16	200	
7	12	200	
8	16	200	
9	10	200	
10	10	200	
11	10	175	
12	10	175	
13	10	175	
14	12	4x4	
15	NOT USED		
16	8	125 Long. 200 Trans.	
17	NOT USED		
18	8	125 Long. 200 Trans.	
19	10	2X4	
20	NOT USED		
21	NOT USED		
22	10	2x2x5	
23	12	150	
24	12	200	
25	10	175	

REVISION	DESCRIPTION OF REVISION	DESIGNED	DRAWN	CHECKED	APPROVED
1		R.M.S.	A.B.	R.M.S.	
2					
3					

CLIENT
CAUVERY NEERAVARI NIGAM LIMITED
(Government of Karnataka under taking)

S/D
Asst. Engineer

S/D
Executive Engineer
Yagachi Project Division
CNRI, Belur

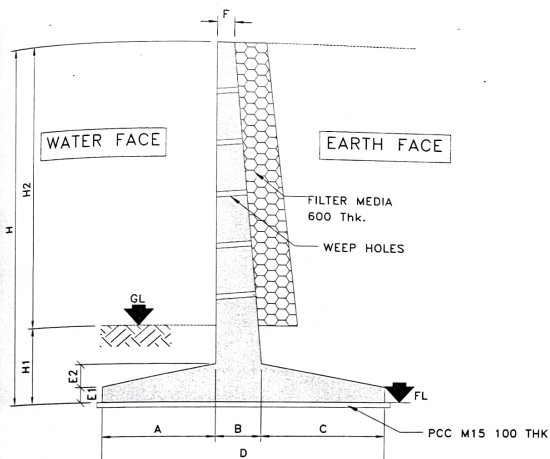
S/D
Superintending Engineer
Hemavathi Project Circle
CNRI, Gene

PROJECT
CONSTRUCTION OF ROAD BRIDGE AT CH-260 IN 3RD KM. OF KVATHANANALLY LIFT IRRIGATION SCHEME II STAGE (NH-373 Ch 478+900)

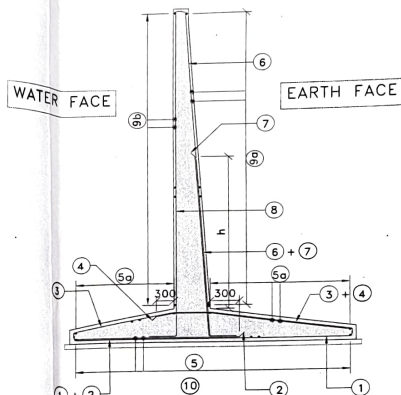
Designed by: R.M.S.
Drawn by: A.B.
Checked by: R.M.S.
Approved by:

TITLE
BOX REINFORCEMENT DETAILED DRAWING
DRG No. CNRI/KLIS-II/BRCH2620/STR-001
Sheet No. 1 of 1

REV: R0
DATE: 20-01-2022
SCALE: AS SHOWN
SIZE: A2



SECTION OF RETAINING WALL
(showing Dimensional details)



SECTION OF RETAINING WALL
(showing Reinforcement details)

- NOTE:
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVEL ARE IN METERS UNLESS OTHERWISE SPECIFIED.
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 - LAYING, COMPACTION AND EXTENT OF BACK FILL BEHIND WALLS SHALL CONFIRM TO SPECIFICATIONS IN APPENDIX 6 OF IRC-78-2014.
 - Ø100mm WEEP HOLES SPACED AT 1000mm C/C BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN STAGGERED MANNER IN VERTICAL WALLS.
 - 600mm THICK FILTER MEDIA SHALL BE PROVIDED BEHIND VERTICAL WALLS AS PER "MoRT&H" SPECIFICATIONS.
 - GRADE OF CONCRETE SHALL BE, BOX STRUCTURE, RETAINING WALL M25
 - ALL REINFORCING STEEL SHOULD BE HIGH YIELD STRENGTH DEFORMED (TMT) BARS AND GRADE FE500.
 - CLEAR COVER TO THE REINFORCEMENT SHALL BE,
 - EARTH FACE 75mm
 - OTHER FACE 50mm
 - LAP SHALL BE PROVIDED AS PER CL 15.2.5.1 OF IRC 112-2010.
 - MINIMUM SBC REQUIRED IS 15 T/m². SAME SHALL BE VERIFIED AT SITE. IF FOUND LESS SAME SHALL BE BOUGHT TO THE NOTICE PRIOR EXECUTION.
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Dimesional Details

Max. H (mm)	Min. H1 (mm)	Max H2 (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E1 (mm)	E2 (mm)	F (mm)	h (mm)
5500 RHS	1500	4000	1200	600	2700	4500	350	250	450	3150
6500 LHS	1500	5000	1500	700	3000	5200	350	350	450	4400

Reinforcement Details

Max H	1	2	3	4	5	5a	6	7	8	9a	9b
5500 RHS	#12 @ 200	#12 @ 200	#12 @ 200	#12 @ 200	#10 @ 200	#10 @ 200	#20 @ 200	#16 @ 200	#12 @ 100	#10 @ 100	#10 @ 175
6500 LHS	#12 @ 200	#12 @ 200	#12 @ 200	#12 @ 200	#10 @ 200	#10 @ 200	#20 @ 200	#20 @ 200	#16 @ 200	#10 @ 100	#10 @ 175

CLIENT



CAUVERY NEERAVARI NIGAM
LIMITED
(Government of Karnataka under taking)

S/D
Asst. Engineer

S/D
Executive Engineer
Yagachi Project Division
CNIL, Belur

S/D
Superintending Engineer
Hemavathi Project Circle
CNIL, Gauri

PROJECT

CONSTRUCTION OF ROAD
BRIDGE AT CH/7500 IN 3RD
KM OF KYATHANAHALLY
LIFT IRRIGATION SCHEME II
STAGE (NH-373 Ch 478+000)

Designed by R.M.S.

Drawn by A.B.

Checked by R.M.S.

Approved by

TITLE

RETAINING WALL DETAILED DRAWING

DRG No.

CNNL/KLS-UBRCH2520/STR-002

Sheet No.

1 of 1

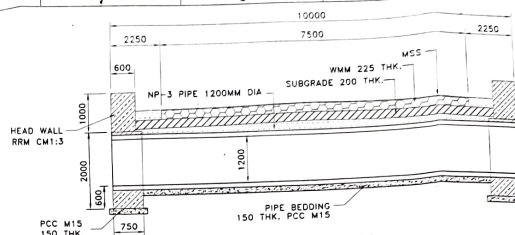
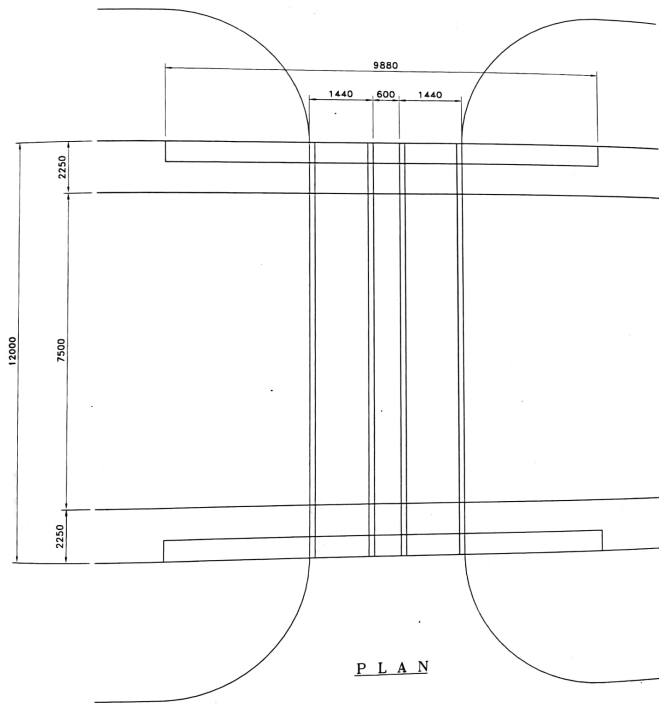
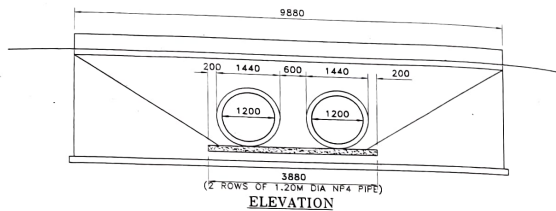
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DATE
20-01-2022

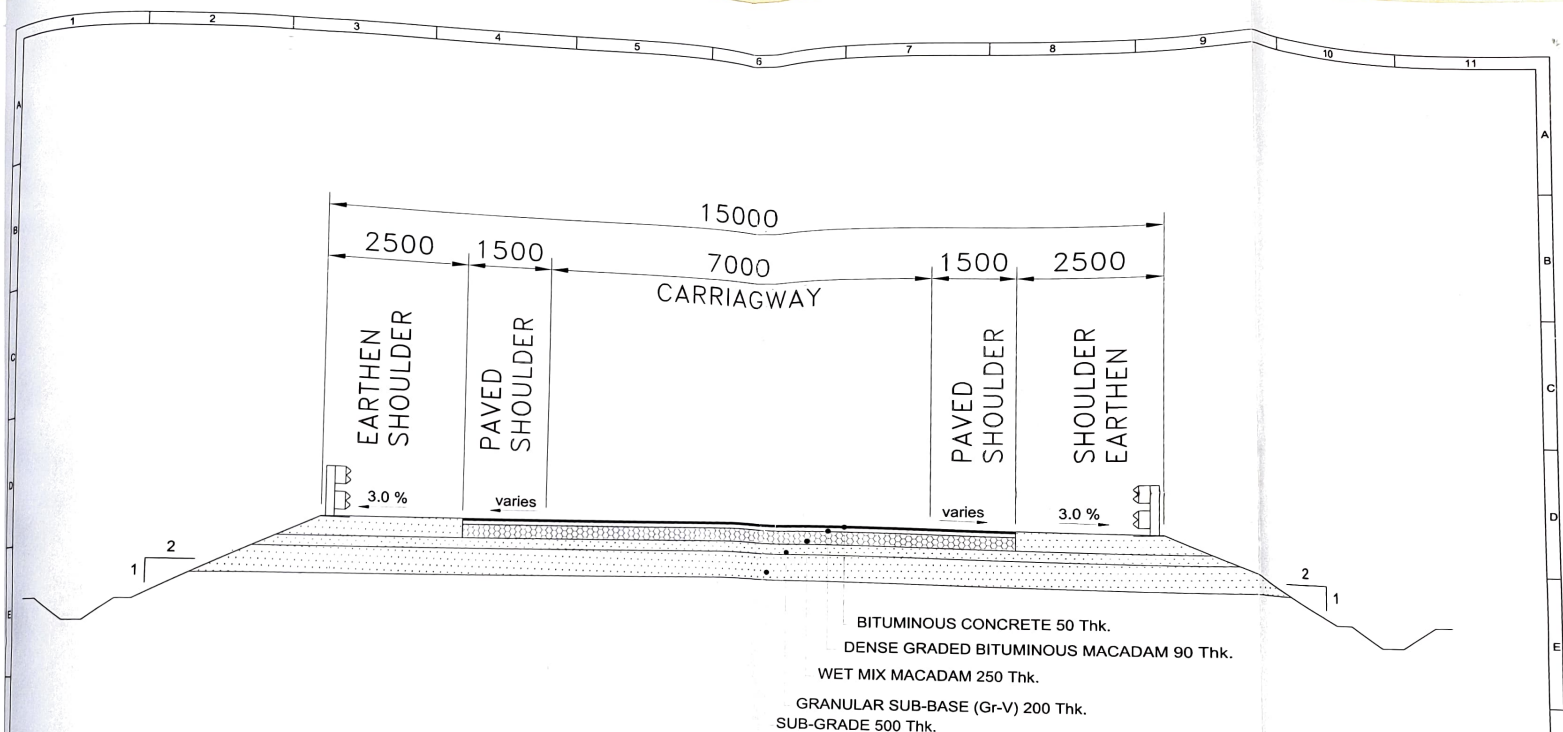
SCALE
AS SHOWN

SIZE : A2


DESCRIPTION OF REVISION	DESIGNED	DRAWN	CHECKED	APPROVED
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2				
3				

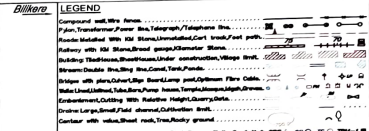
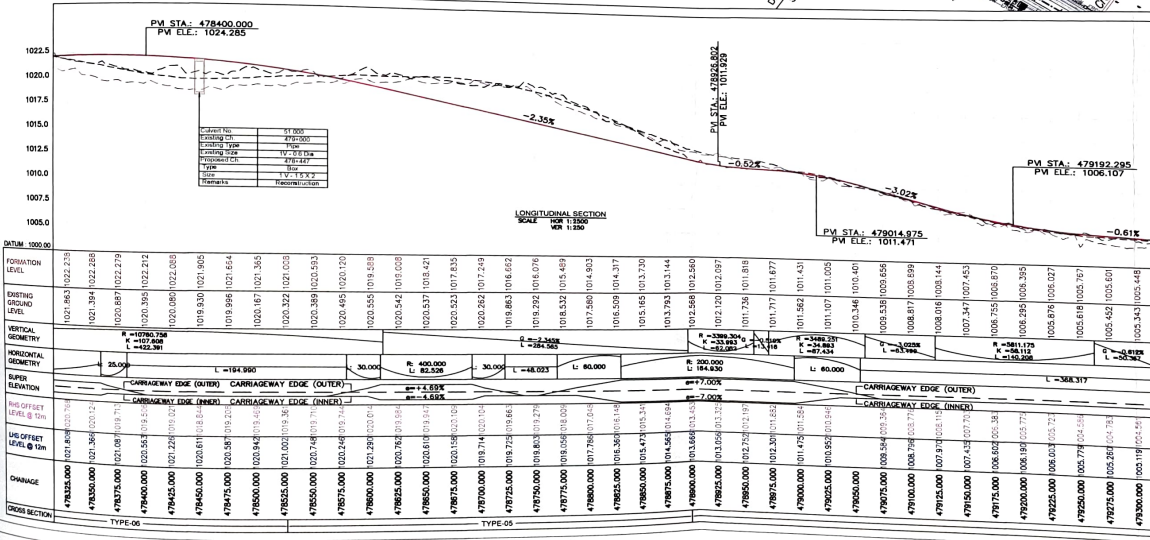
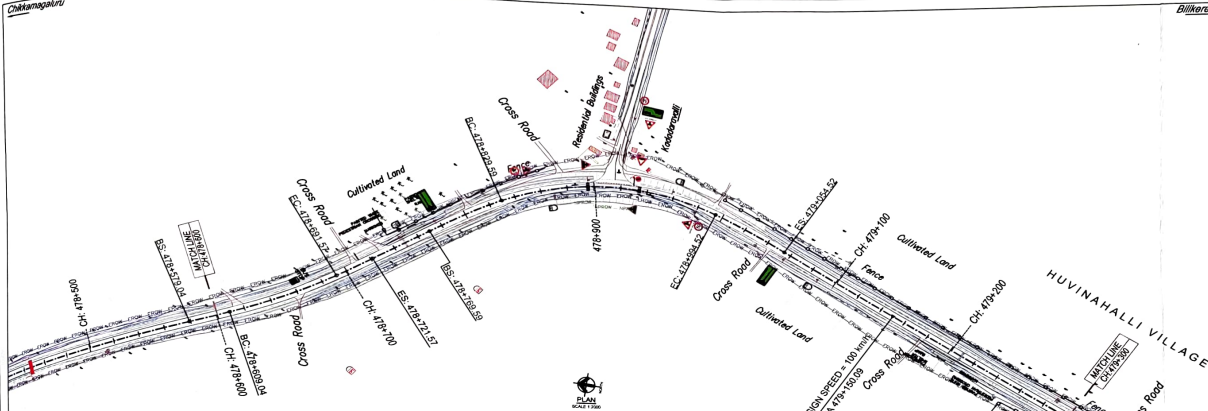


CLIENT CAUVERY NEERAVARI NIGAM LIMITED (Government of Karnataka under taking)				S/D Asst. Engineer S/D Executive Engineer Yagachi Project Division CNNL, Belur		S/D Superintending Engineer Henneswale Project Circle CNNL, Goner		PROJECT CONSTRUCTION OF ROAD BRIDGE AT CH-250 IN 3RD KM OF KYATHANAHALLY LIFT IRRIGATION SCHEME II STAGE (NH-373 Ch 475-900)		Designed by R.M.S. Drawn by A.B. Checked by R.M.S. Approved by		TITLE DIVERSION ROAD DRAWING		REV : R0 DATE 20-01-2022	
								DRG No. CNNL/KLS-IV/BRCH2620/DR-001		Sheet No. 1 of 1		SCALE AS SHOWN SIZE : A2			
FIRST SUBMISSION DESCRIPTION OF REVISION DESIGNED DRAWN CHECKED APPROVED															



TYPICAL CROSS SECTION

CLIENT  CAUVERY NEERAVARI NIGAM LIMITED (Government of Karnataka under taking)				SD Asst. Engineer		PROJECT CONSTRUCTION OF ROAD BRIDGE AT CH:2550 IN 3RD KM. OF KYATHANAHALLY LIFT IRRIGATION SCHEME II STAGE (NH-373 Ch.478+900)		Designed by R.M.S. Drawn by A.B. Checked by R.M.S. Approved by		TITLE TYPICAL CROSS SECTION OF APPROACH ROAD		REV : R0 DATE 20-01-2022	
SD Executive Engineer Vengalpet Project Division CNL, Belur				SD Superintending Engineer Hemavathi Project Circle CNL, Channarayana		DRG No. CNNL/CLJ-II/BR/CI2550/GAD-001		Sheet No. 1 of 1		SCALE AS SHOWN SIZE : A2			
20-01-2022 FIRST SUBMISSION DATE DESCRIPTION OF REVISION DESIGNED DRAWN CHECKED APPROVED													



LEGEND	ABBREVIATIONS
PLAN	Design speed, Km/h V
Proposed Center line	Radius, m R
Proposed Carriageway	Rate of Change of Acceleration A
Proposed Road Shoulder	Deviation Angle Δ
Proposed Paved Shoulder	Deviation Angle, Spiral curve Δ_s
Proposed External Shoulder	Deviation Angle, Circular curve Δ_c
Proposed Median Edge	Sight length, m S
Proposed Road Edge	Length of Spiral Curve L _s
Proposed Cutting	Length of Circular Curve L _c
Proposed Gravel Barrier	Abscissa Distance X
Proposed Hard Shoulder	Vertical Curve VC
Proposed Utility Corridor	Super Elevation SE
Proposed Drain	Point of Intersection point PIP
New Proposed ROW	Beginning of Spiral Curve BSC
	Beginning of Circular Curve BCC
	End of Circular Curve ECC
Existing ROW	End of Spiral Curve ESC
	SubGrade SG
Formation Road Level	Vertical Sub Base VSB
Existing Ground Level	Wet mix Macadam WMC
	Base Bituminous Macadam BMC
	Bituminous Concrete BC

8	For Approval	13.01.22	SHS	SKB	VSM	NR	
Rev.	Description.	Date.	Dns	Dns	Dns	Dns	

NATIONAL HIGHWAY DIVISION
The Executive Engineer, N.H. Division, PWD Office Complex,
NR Circle, Hassan-573 201, Karnataka, India.
Ph: 08172-297402, Fax : 08172-297402
Email: enghdnhd@rediffmail.com

CONSULTANT

 **E I Technologies Pvt. Ltd.**
(ISO 9001 : 2015 Certified)
1148, 25th Main, Jayanagar 4th T Block
Bangalore-560 041, India.
Ph. +91.80.40914714, Fax +91.80.26650912
info@eitech.in, www.eitech.in

PROJECT TITLE
CONSULTANCY SERVICES FOR FS, DPR, SURVEY & PREPARATION
OF LAND PLAN FOR "UP GRADATION OF NH-373 TO 2 LANE WITH
PAVED SHOULDER FROM Km 431.720 TO Km 582.431, CONNECTING
CHIKKAMAGALUR TO BILIKEREVIA BELUR, HASSAN, HOLENARSIPURA,
KRISHNARAJANAGAR" IN THE STATE OF KARNATAKA.

DRAWING TITLE							
PLAN AND PROFILE (CH:478+600 TO 479+300)							
Date 13.01.2022	Drawn SHS	Des. SKB	Chk. VSM	App. NR	Scale AS SHOWN	Drawing Status FOR APPROVAL	
Project No. 1366X	Drawing No. EIT-1366X-HWE-P2-PNP-A001					Sheet No. 01 of 01	Rev. 8