

NAME	SHEET SIZE
	A2
	SCALE
	AS SHOWN
	SHEET No.
	01 OF 02

7700

20mm EXPANSION JOINT

HAND RAIL

WEARING COURSE

20mm EXPANSION JOINT

7700

3500 APPROACH SLAB

HAUNCH 300X300

WEEP HOLES

RETAINING WALL

150 THK.PCC

600 THK. FILTER MEDIA

COMPACTED EARTH

150 THK.PCC

600 THK. FILTER MEDIA

RL 85.345

RL 85.845

RL 86.245

400

400

400

400

6000

4685 TO 5010

1.5

1

1100

VIEW A-A

SCALE 1:75

400

EQ EQ EQ

HAUNCH
300 x 300

CONSTRUCTION
JOINT

DETAIL AT 'B'

(SCALE 1:20)

VASANTH KUMAR T.H.

[illegible]

A detailed cross-sectional diagram of a retaining wall. The wall has a vertical stem and a sloped base. Key features include:

- Top Layer:** A horizontal layer labeled "150 THK FLAT STONE APRON EMBEDDED IN 300 THK CONCRETE(M15)".
- Backfill:** The area behind the wall is filled with "COMPACTED EARTH".
- Foundation:** The wall sits on a "150 THK. PCC (M15)" layer.
- Sloped Base:** The base of the wall slopes downwards at a 1:1 ratio, indicated by a triangle with sides of length 1.
- Dimensions:**
 - The top stone apron is 150 units thick.
 - The concrete embedment is 300 units thick.
 - The horizontal distance from the face of the wall to the start of the slope is 1500 units.
 - The total height of the wall above the foundation is 800 units.
 - The ground level is marked as "RL 84.245".
- Labels:** "VASANTH KUMAR" is written in blue ink at the top right. "DETAIL AT 'D'" and "(SCALE 1:30)" are at the bottom center.

A detailed cross-section diagram of a bridge deck. The diagram shows a top layer labeled 'HAND RAIL' with a height of 1100. Below it is a 'WEARING COAT'. The main structure is an 'APPROACH SLAB' with a width of 300. A 'CONSTRUCTION JOINT' is indicated on the left side of the slab. The slab is supported by a 'HAUNCH' with dimensions 300 x 300. The haunch is shown in cross-section with a width of 400. The diagram also shows a '300' dimension for the width of the slab at the base of the haunch. The overall width of the bridge deck is 400. The diagram is labeled 'DETAIL AT 'A'' and '(SCALE 1: 20)'.

HARBHAJAN SING
Team Leader (VSPL)
Authority Engineer (NHIC)

Authority Engineer (NHIDCL)

NOTE: SINCE THE WIDTH OF ADDITIONAL
WIDENING IS LESS THAN 1.0m, WIDENING
OF EXISTING BRIDGE SHALL BE
DISPENSED WITH AND TRAFFIC TO BE
GUIDED WITH HELP OF CRASH BARRIERS IN
ACCORDANCE WITH IRC:SP:84-2014
CLAUSE 7.3(iv)

EXISTING CH AS PER SCHEDULE-B : 492+605
DESIGN CH AS PER SCHEDULE-B : 492+335
REVISED DESIGN CH : 492+351


FOR APPROVAL

PROJECT

**FOUR LANING OF JHANJHI TO DEMOW
SECTION OF NH-37 FROM EXISTING CH. Km
491+050 TO Km 535+250 (DESIGN CH. Km
490+800 TO Km 534+800) IN THE STATE OF
ASSAM UNDER EPC MODE.**

CLIENT


**National Highways infrastructure
Development Corporation Ltd.**



**Ministry of Road Transport &
Highways, Government of India**

**Branch office : House No.1, Panipath,
Ambikagiri Nagar , Zoo road,
Guwahati-24**

CONTRACTOR



Gannon Dunkerley & Co. Ltd.
88A, TOPSIA ROAD (SOUTH)
HAUTE STREET, 7th FLOOR
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DESIGN CONSULTANT

PROFESSIONAL CIVIL INFRA PVT. LTD.

 # 1839, GROUND FLOOR,
SIR. M VISVESWARAYA LAYOUT
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BANGALORE - 560 056

PROOF CONSULTANT
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CONSULTANTS (P) LTD.,

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13TH MAIN, SRINAGAR
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SAFETY CONSULTANT
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SMART SAFETY # 3-5-6 & 7, HARI HARA NIVAS
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	NAME	SHEET SIZE
DESIGN DIRECTOR		A2
PROOF CONSULTANT		SCALE
SAFETY CONSULTANT		AS SHOWN
AUTHORITY CONSULTANT		SHEET No. 02 OF 02

TITLE: GENERAL ARRANGEMENT DRAWING OF MINOR BRIDGE AT REVISED DESIGN CH: 492+351	
DRAWING No. PCIPL/NH-37/J-D/STR/MNB/02	REV. 00

Technical drawing of a reinforced concrete corner joint (L-fitting) showing a cross-section and elevation view. The drawing includes various numbered callouts (1-14, 19, 22) pointing to specific components like reinforcement bars, stirrups, and concrete layers. Dimensions are indicated by dashed lines and arrows.

Technical drawing of a rectangular floor plan. The drawing includes the following dimensions and labels:

- Top horizontal edge: 6000
- Left vertical edge: 4000
- Right vertical edge: 4000
- Bottom horizontal edge: 6000
- Top-left corner: 300 (horizontal), 300 (vertical)
- Top-right corner: 300 (horizontal), 300 (vertical)
- Bottom-left corner: 300 (horizontal), 300 (vertical)
- Bottom-right corner: 300 (horizontal), 300 (vertical)
- Central label: VARYING 4685 TO 5010

Technical drawing of a reinforced concrete slab and column joint. The drawing shows a cross-section of a slab with a column. Key dimensions include a slab thickness of $0.3b$, a column width of 200, and a stirrup spacing of 400 mm. Reinforcement includes 3NOS.2 LEG 10 STIRRUPS and 5A bars. Various callouts (1-19) identify specific components and details.

TITLE:	
REINFORCEMENT DETAILS OF MINOR BRIDGE (WIDENING) AT REVISED DESIGN CHAINAGE 492+351	
DRAWING No.	REV.
PCIPL/NH-37/JD/STR/MNB/REIN/02	00