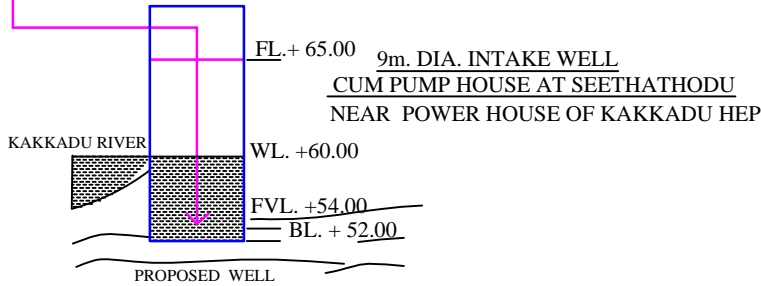
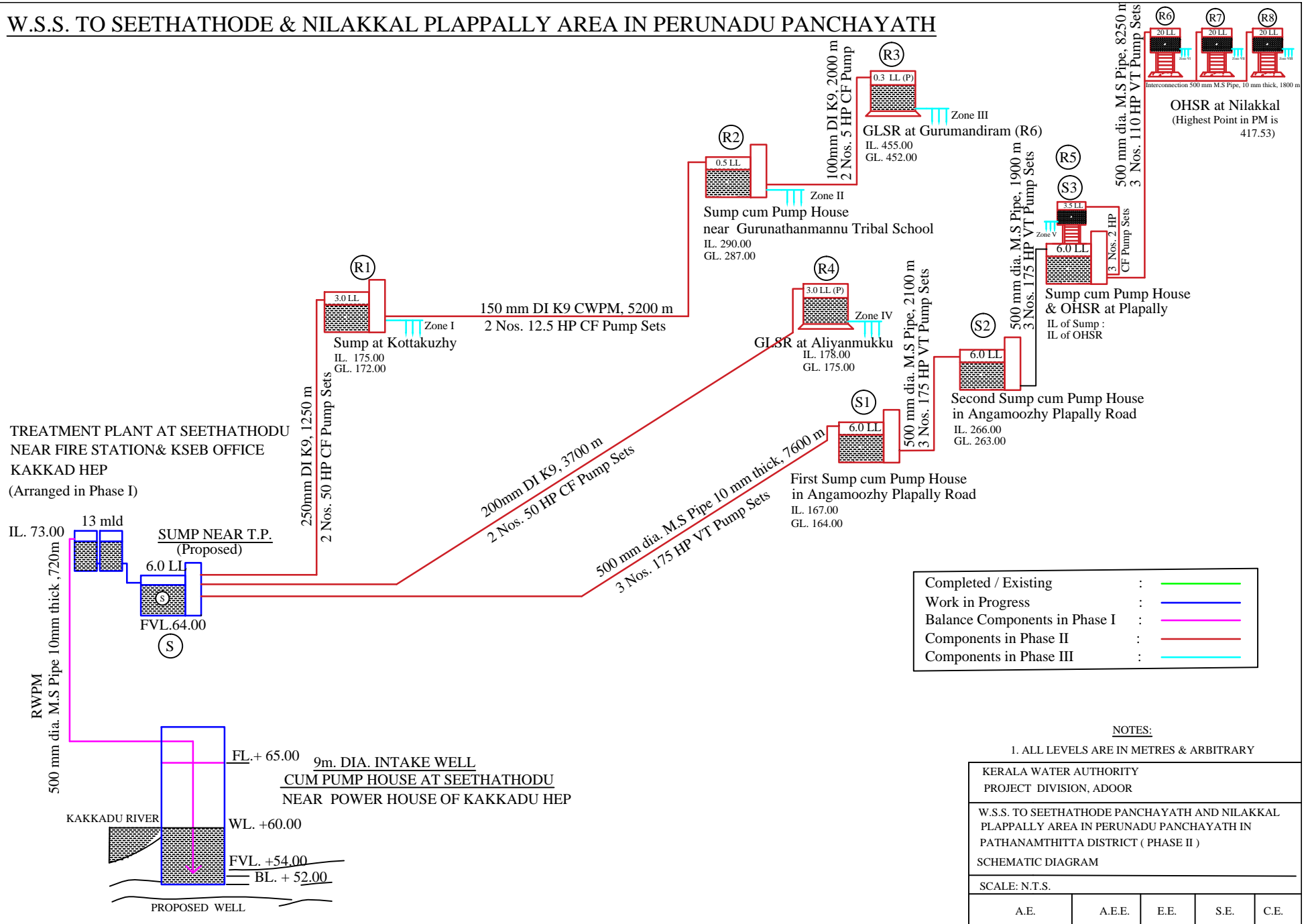
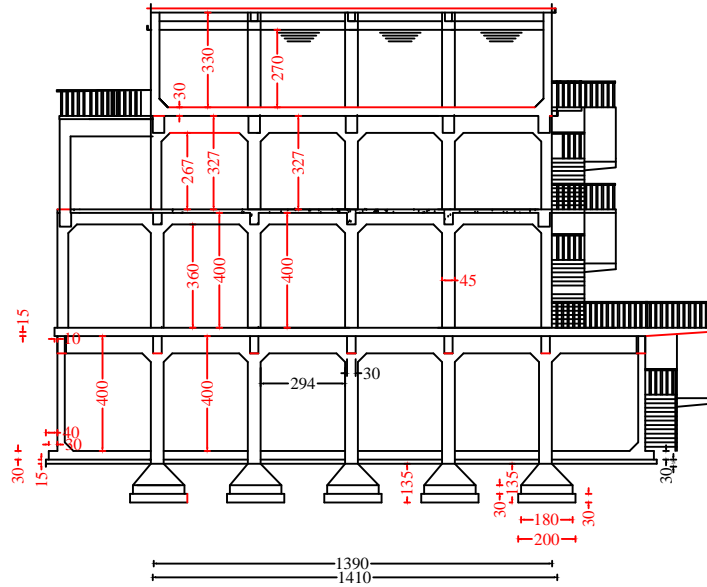


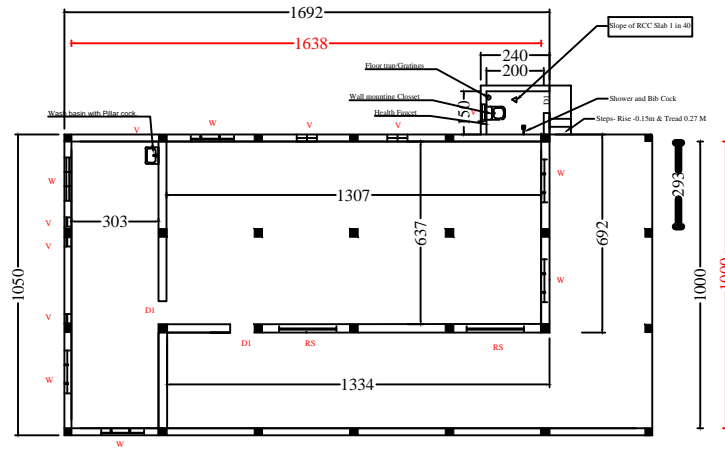
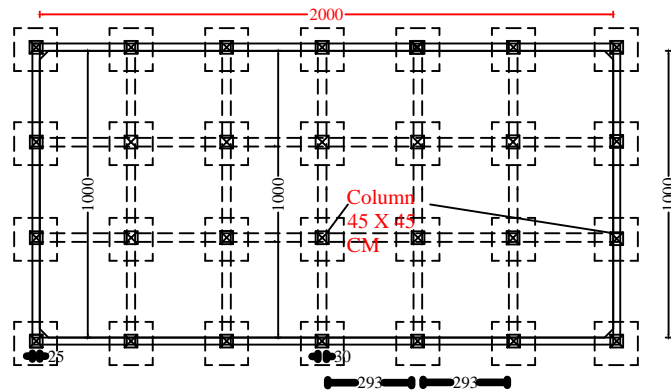
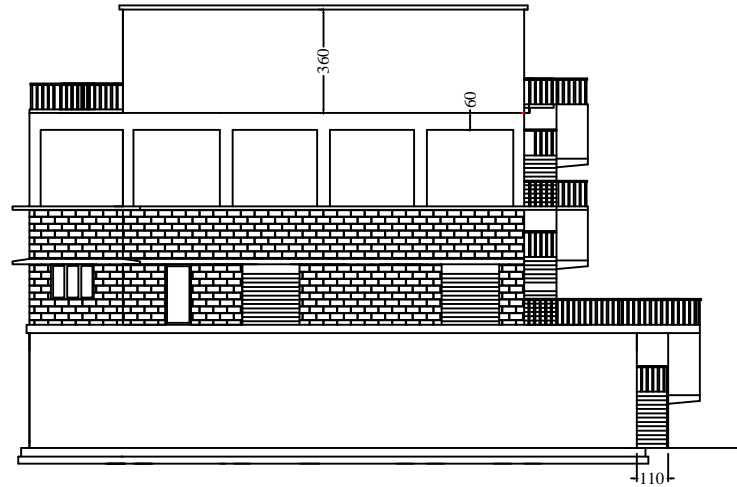
W.S.S. TO SEETHATHODE & NILAKKAL PLAPPALLY AREA IN PERUNADU PANCHAYATH



CONSTRUCTION OF 6.00 LL SUMP AND 3.50 LL OHSR CAPACITY OH TANK AT PLAPPALLY

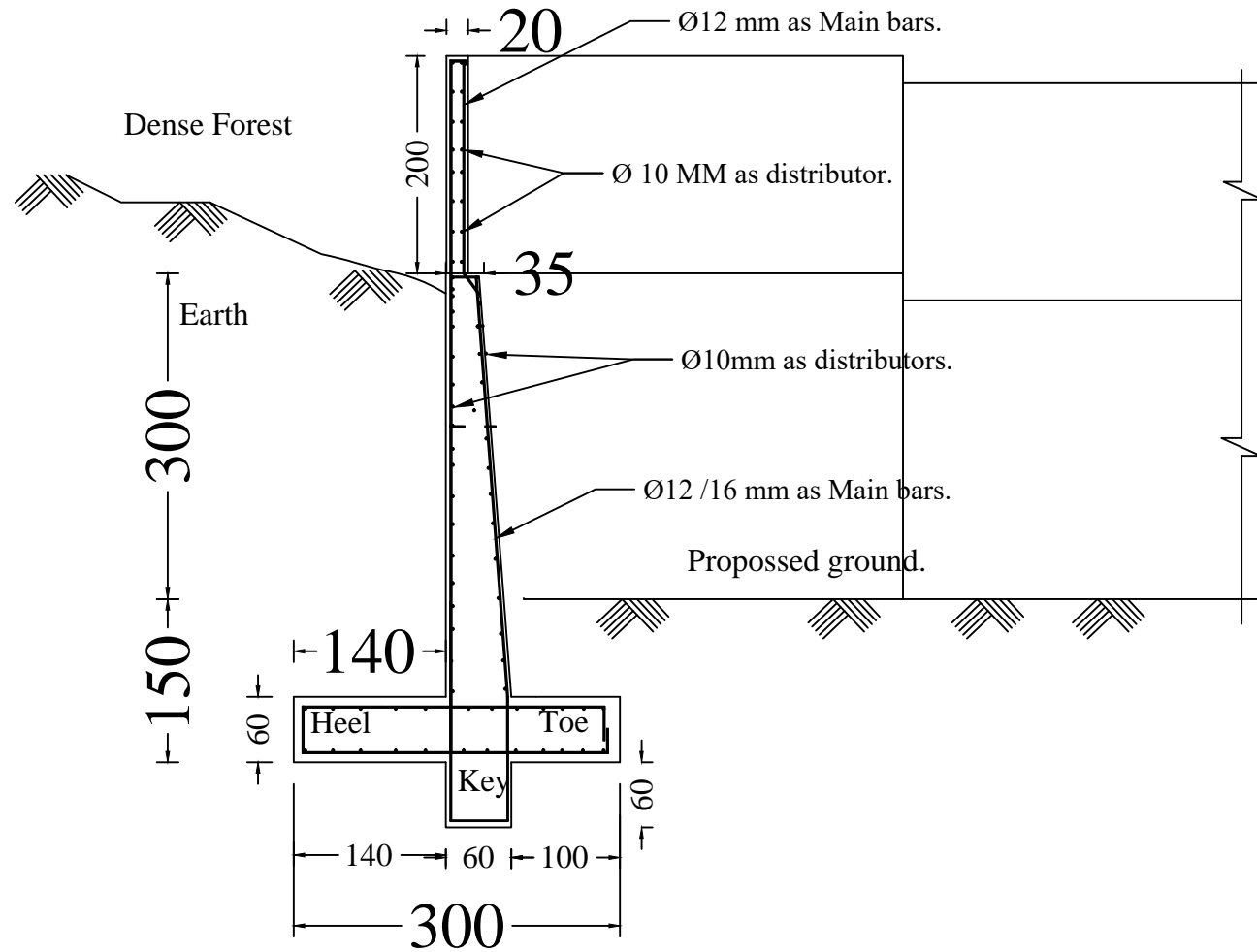


SECTION



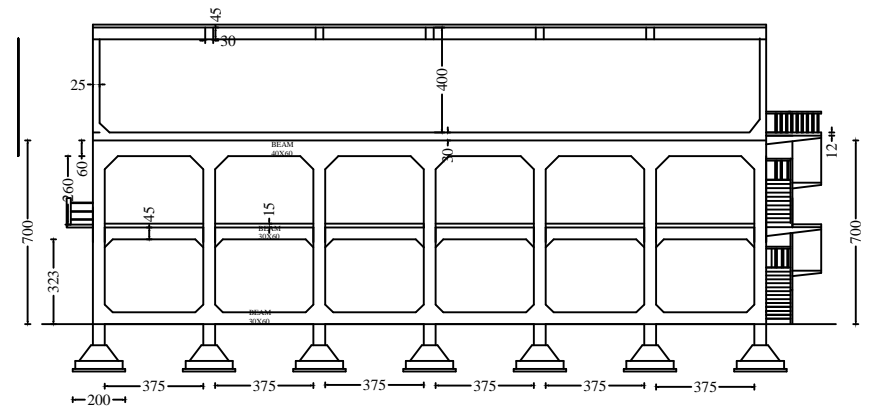
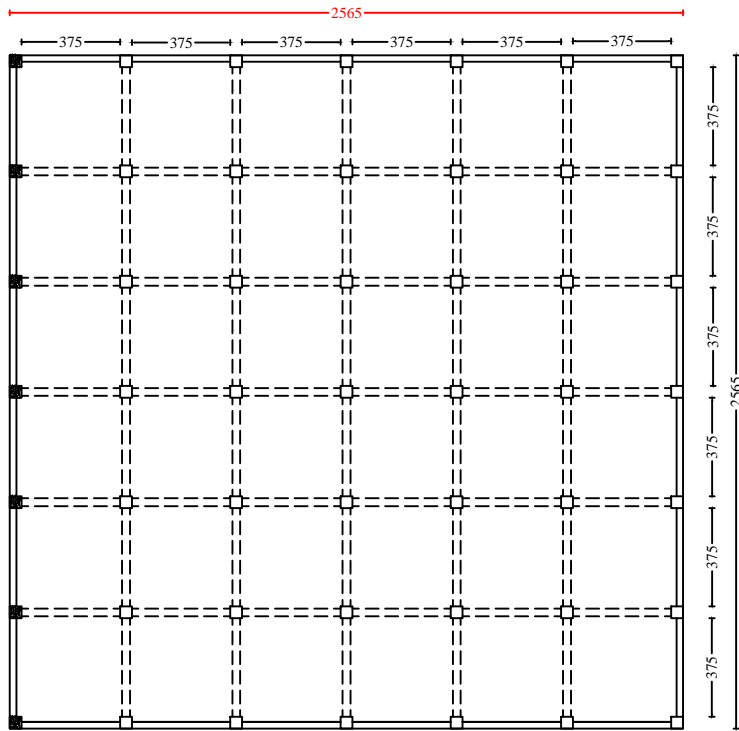
PUMP
HOUSE
PLAN

A TYPICAL CROSS SECTIONAL VIEW OF RETAINING WALL & COMPOUND WALL

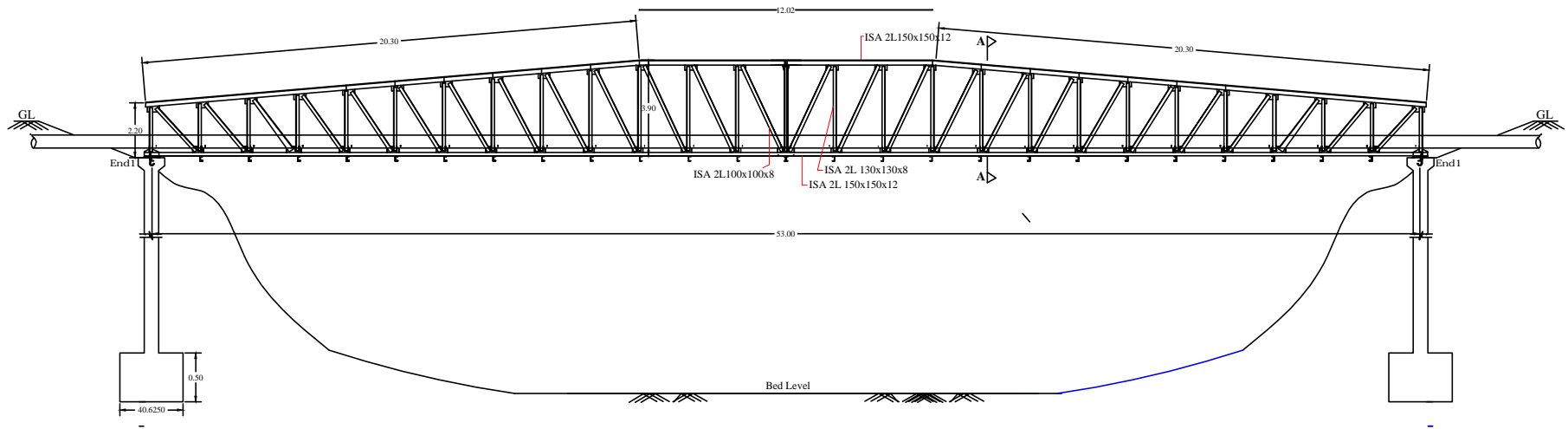


Retaining wall & Compound wall at back side of Sump

WSS to Seethathode Pt. & Nilakkal, Plapally area in Perunadu Pt.
Construction of 20 LL capacity OHSR at Nilakkal Near Devaswam Board Tank and Near Cattle Shed.

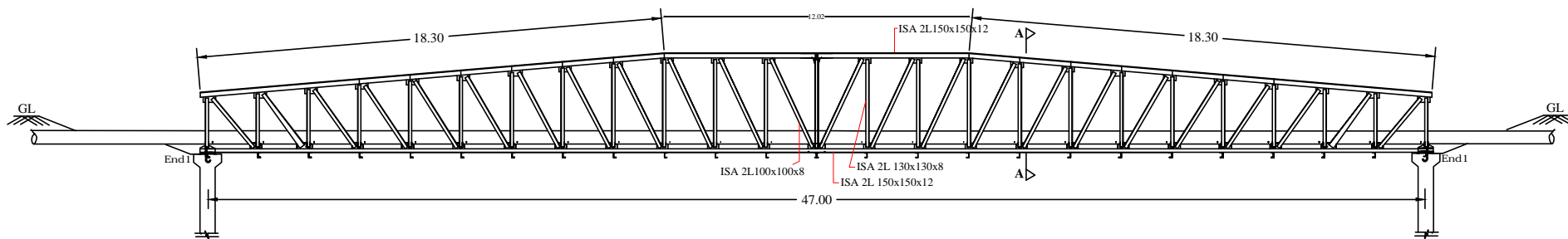


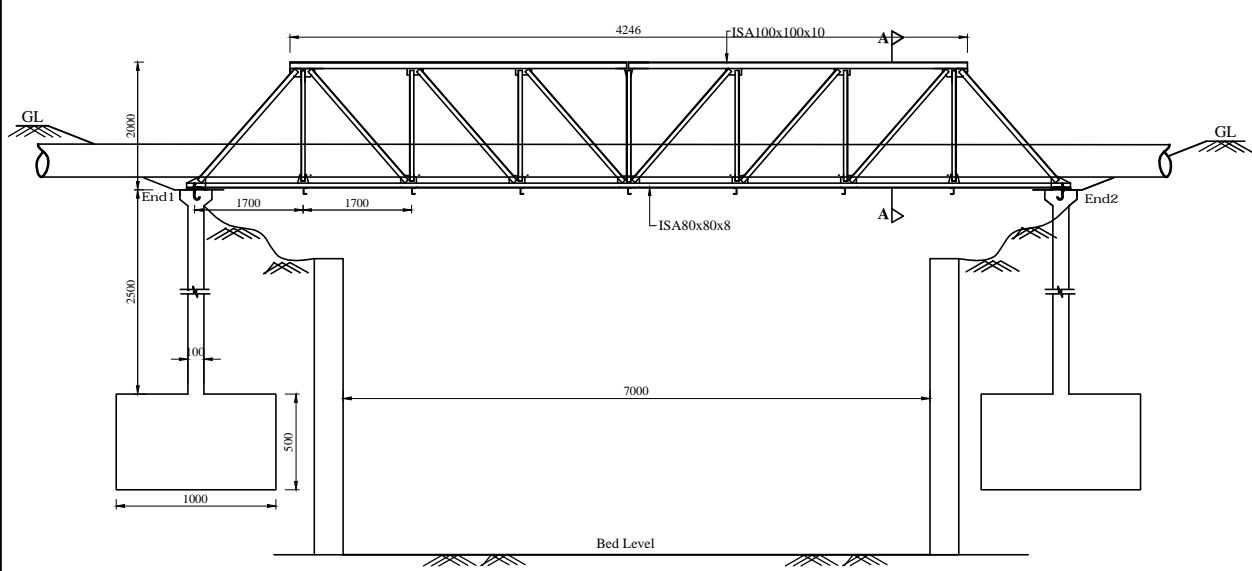
Steel Pipe Bridge for Clear Water Pumping Line near Angamoozhi.



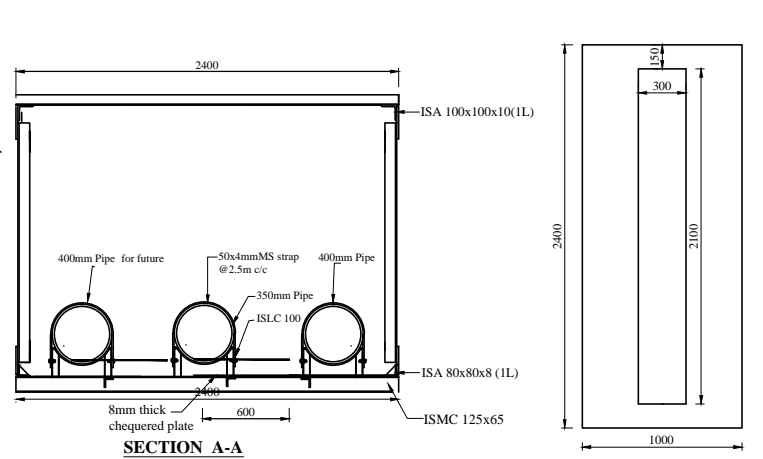
SECTIONAL ELEVATION
scale - 1:50

Steel Pipe Bridge for Clear Water Pumping Line Between Angamoozhi and First Sump.





SECTIONAL ELEVATION
scale - 1:50

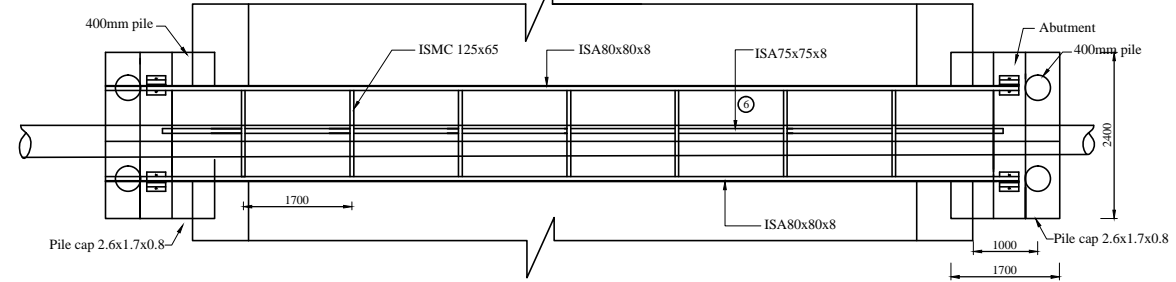


SECTION A-A
scale - 1:20

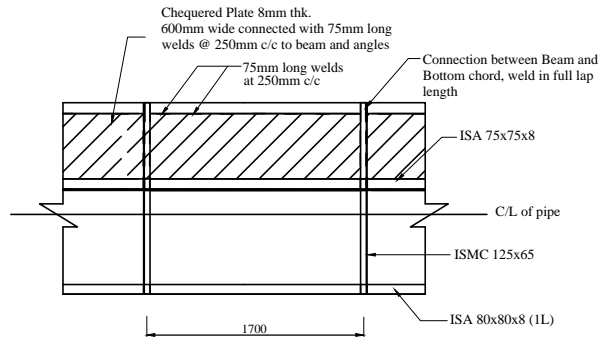
PLAN OF FOUNDATION
(2400x1000x600)

- NOTE**
- All dimensions are in millimetres unless otherwise specified in the drawing.
 - Figured dimensions supersede measured ones.
 - Use concrete mix of M25 grade.
 - Use steel reinforcement of grade fy₂ 415N/mm².
 - Lap length should be provided as per relevant ISS.
 - Clear cover to the reinforcement should be provided as follows:

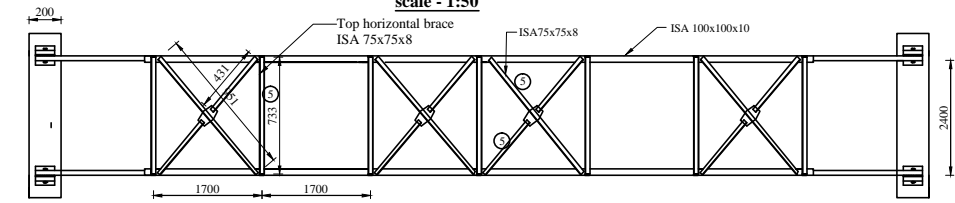
Column	- 40mm
Pile cap	- 60mm
Pile	- 50mm
All other faces	- 30mm
 - Minimum length of weld in all cases should be 75mm unless otherwise specified.
 - Size of weld should be 5mm, unless otherwise specified.
 - All gusset plates should be 10mm thick.
 - Surface between baseplate and bearing plate shall be well lubricated and permitted for horizontal movement.
 - Anchor bolts at long slots to be fastened with lock nut and should allow horizontal movement between bearing plate and base plate.
 - All hot rolled steel sections shall be of grade Fe 250 or above.
 - vehicular and pedestrian loading is not permitted in the bridge.
 - Thrust block shall be provided for the pipe at the bends at either ends of the bridge.
 - All members of truss, chequered plate etc. shall be given corrosion resistant coatings as per section 15 of IS 800:2007
 - SBC shall not be < 15T/m²



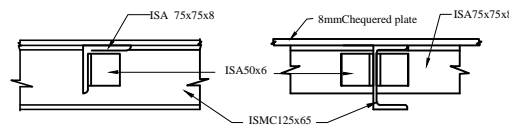
BOTTOM PLAN
scale - 1:50



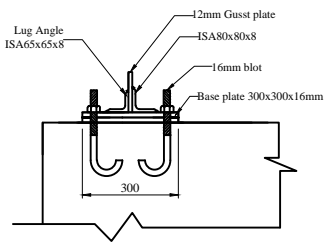
CONNECTION DETAILS OF DECK - VIEW FROM BOTTOM
Scale 1:25



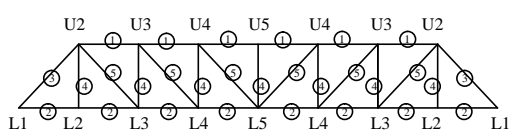
TOP PLAN
scale - 1:50



CONNECTION BETWEEN BEAM AND ANGLE SUPPORTING THE PLATE
Scale 1:5



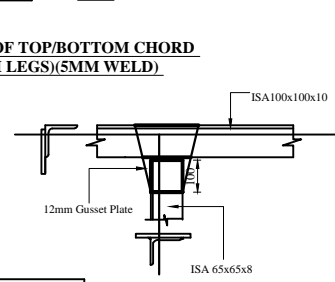
BASE PLATE CONNECTION DETAILS
scale 1:10



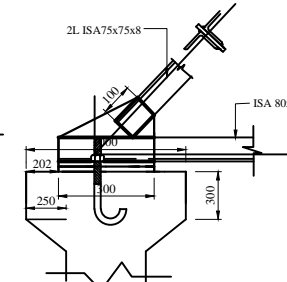
LINE SKETCH OF TRUSS
scale - 1:100

Member Index	
1	ISA 100x100x10
2	ISA 80x80x8
3	2L- ISA 75x75x8
4	ISA 65x65x8
5	ISA 75x75x8
6	ISA 75x75x8

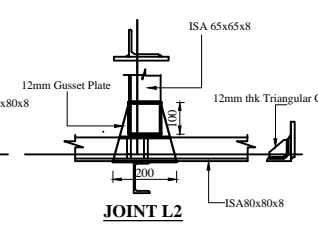
DISCONTINUOUS JOINT OF TOP/BOTTOM CHORD (CONNECTION ON BOTH LEGS)(5MM WELD)



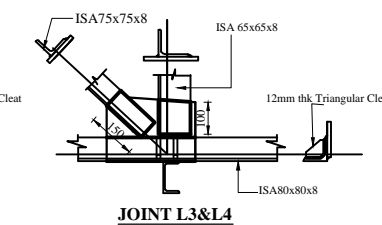
JOINT U5



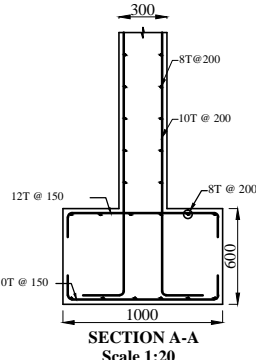
JOINT L1
scale 1:10



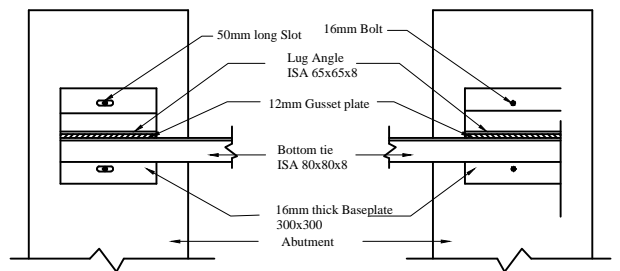
JOINT L2



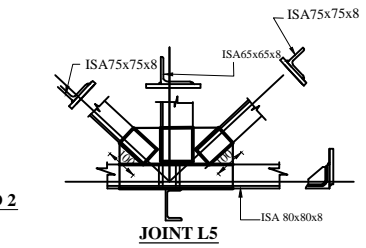
JOINT L3&L4



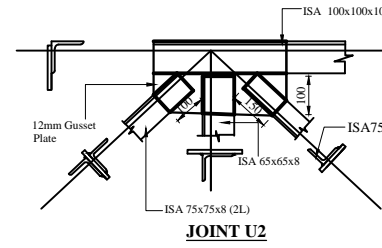
SECTION A-A
Scale 1:20



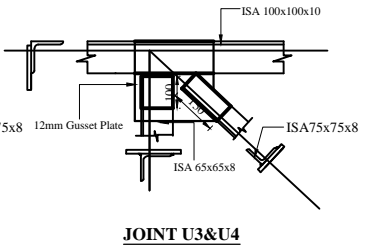
SUPPORT DETAILS AT END 1
scale - 1:10



JOINT L5



JOINT U2



JOINT U3&U4

DETAILS OF JOINTS
scale - 1:10

KERALA WATER AUTHORITY
WASCON

File No: _____

JOB : PIPE LINE BRIDGE ACROSS TAIL RACE CHANNEL AT KSEB KARKAD

COMPONENT:12m SPAN STEEL BRIDGE AT SEETHATHODE

DRAWING NO. : D-848/WASCON/2019

PH CIRCLE, TVLA	
SE	
TA	
No. KWA/CE(SR)/ADR/6111/15	
From	15/11
AB	The Chief Engineer (SR)
To	The Superintending Engineer, Kerala Water Authority, P.H.Circle, Pathanamthitta.
DB	



KERALA WATER AUTHORITY
കേരളജല-മാതൃകാ

Office of the Chief Engineer
(Southern Region)
Thiruvananthapuram
Email: cesouthkwa@gmail.com
Fax: 91-0471-2328065
Tel: 2328654

Dated: /11/2018

Handwritten notes:
TA
Copy to Below
Smt
M/S

Sir,

Sub:- NABARD RIDF XIX - RDWSS to Seethathodu Panchayath, Nilakkal, Plappally area in Perunad Panchayath - Supplying and laying raw water pumping main, Construction of transformer building and supply and erection of raw water pump set - Tender - reg -

- Ref- 1. That office letter No. SE/PHC/TVLA/2725-ADR/17 Dated 09/10/2018.
2. Minutes of the meeting held in the chamber of TM, KWA, Tvpm No. KWAWASCON/664/2017 dated 02/11/2018.

Your attention is invited to the references cited. The tender documents for the subject work in originals are returned herewith for taking necessary action as per the decision of the minutes of the meeting vide reference 2nd cited. You are directed to submit the estimate of raw water pumping main and other production components within the savings amount of the subject project with details of committed amount under the Administrative Sanction at the earliest. You are also directed to submit the DER for the remaining components as decided in the meeting by return.

Yours Faithfully,

- Acc: 1. Tender documents in original.
2. Copy of letter reference (2nd)

Chief Engineer (SR)



Ce Kwa <cesouthkwa@gmail.com>

WSS to Seethathod Nilakkal Phase II - Estimate submitted through PRICE vide ID No. 2018/13798 - Clarification regarding

1 message

Executive Engineer, Kerala Water Authority, Project Division, Adoor
<pdadoor@gmail.com>

Sat, May 18, 2019 at 1:16 PM

To: cesouthkwa <cesouthkwa@gmail.com>, Superintending Engineer - Pathanamthitta <sephctvla@gmail.com>

It has been directed to clarify the provision given in the above estimate for providing a window at the top of 508 mm M.S pipe at the joint portion. In this context, I may report that in the case of 500mm M. S pipes inside welding of the joint is not possible. Cutting a window at the top is to facilitate welding the inside portion of the joint. After completing the inside welding the window can be closed. The clarification sought was that how to weld inside portion of welding of this window portion. I may report that rare chances are there to weld around the joint in a non-perfect manner, especially at the bottom portion of the pipe at hard rock terrain. It is easy to weld outside at the window portion in a perfect manner. The window is proposed in order to avoid this chance of non-perfectness.

വിശ്വസ്തയോടെ

(ഒപ്പ്)

എക്സിക്യൂട്ടീവ് എഞ്ചിനീയർ,
കേരള വാട്ടർ അതോറിറ്റി,
പ്രൊജക്ട് ഡിവിഷൻ,
അടൂർ.

Ph. No. 04734 -224839

Handwritten signature and date:
20/5/19