

No. RO/VJA/Misc.24C/water supply pipeline/NH-18(New NH-40)/39

Government of India

Ministry of Road Transport & Highways

CE-Regional Office, Vijayawada

Rajamarg Bhawan, 3<sup>rd</sup> & 4<sup>th</sup> floors, MORTH/NHAI Buildings, Ranigarithota,  
Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985

Dated: 09.04.2025

Invitation of Public Comments

**Sub: Permission for laying Water pipeline from Km.0/0 to Km.2/197; Km.2/861 to Km.12/450; Km.13/050 to Km.18/250; Km.28/165 to Km.28/290; Km.34/400 to Km.34/660 & Km.44/385 to Km.44/920 of NH-18 (NH-40) LHS & RHS and crossing at Km.11/400 LHS to RHS Chittoor water supply scheme with Adavipalli Reservoir as source under AMRUT 1.0 - Reg.**

Please find enclosed herewith the proposal in accordance with Ministry's latest guidelines dated 22.11.2016 forwarded by Engineer-in-Chief (R&B), NH&CRF, AP letter no. NH-40/EE(NH&CRF)/NH/DEE4 /AEE1/2022-23 dated 24.02.2025 and Executive Engineer (R&B), NH Division, Chittoor letter No. 176/AMRUT/NH-18/AEE/CTR/2021-22 dated 17.03.2025 and E-mail dated 04.04.2025 for laying water supply pipeline 800mm dia. along and across the NH-18 (New NH-40) of Chittoor water supply scheme with Adavipalli Reservoir as source under AMRUT 1.0, total length of 19,595 Mtr. of Andhra Pradesh state by the Open trench method and HDD method and underground installation/utility services.

2. As per the guidelines, issued by the Ministry vide Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.16 and its subsequent amendments circular dated 29.07.2022, the proposal for Highway crossing permission along National Highways shall be put out in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

3. In view of the above, comments of the public on the above-mentioned proposal are invited on the address mentioned below:

The Regional Officer,  
Ministry of Road Transport and Highways,  
Rajamarg Bhawan, 3<sup>rd</sup> & 4<sup>th</sup> floors, MORTH/NHAI Buildings,  
Ranigarithota, Near Kanakadurga Varadhi,  
Krishnalanka, Vijayawada - 520013  
Email id: [romorthvijayawada@gmail.com](mailto:romorthvijayawada@gmail.com).

Yours Faithfully,

Encl: As above

  
(Venkataiah M)

Assistant Engineer,  
For CE-Regional Officer, Vijayawada

Copy to:

- i) Senior Technical Director, NIC for uploading on the Ministry's website.
- ii) The Chief Engineer(R&B), NH & CRF, AP.
- iii) The Superintending Engineer(R&B), NH Circle, Ananthapur.
- iv) The Executive Engineer(R&B), NH-Division, Chittoor.
- v) The Executive Engineer, Public Health Department, Tirupati - For kind information.

**Permission for laying Water pipeline from Km.0/0 to Km.2/197; Km.2/861 to Km.12/450; Km.13/050 to Km.18/250; Km.28/165 to Km.28/290; Km.34/400 to Km.34/660 & Km.44/385 to Km.44/920 of NH-18 (NH-40) LHS & RHS and crossing at Km.11/400 LHS to RHS Chittoor water supply scheme with Adavipalli Reservoir as source under AMRUT 1.0” – Approval – Requested Reg**

1 message

**Executive Engineer R and B NH Division Chittoor** <eenhchittoor@gmail.com>  
To: Regional Office <romorthvijayawada@gmail.com>

Fri, Apr 4, 2025 at 5:06 PM

Sir,  
Assistant Engineer-Regional Office, MoRT&H, Vijayawada has joint inspected with EE(R&B), NH-Division, Chittoor, AEE(R&B) Section-2, NH- Sub-Division, Chittoor and AE, Public Health Department, Chittoor the proposed site on 25.03.2025 and following modified proposal for laying water pipeline (AMRUT 1.0) has been submitted for NOC:

(i) Water pipeline laying from Km.0/0 to Km.2/197; Km.2/861 to Km.12/450; Km.13/050 to Km.18/250; Km.28/165 to Km.28/290; Km.34/400 to Km.34/660 & Km.44/385 to Km.44/920 of NH-18 (NH-40) LHS & RHS and crossing at Km.11/400 LHS to RHS Chittoor water supply scheme with Adavipalli Reservoir as source under AMRUT 1.0.

(ii) Revised ROW map/strip plan for laying water pipeline (AMRUT 1.0 scheme) is furnished with the proposal.

(iii) Revised Checklist with the proposal is furnished .

Yours faithfully,

**Sri U. Srinivasulu,**  
**Executive Engineer,**  
**(R&B) NH Division, Chittoor.**

---

**2 attachments**



**Water pipe line drawings.pdf**  
878K



**Checklist\_Water Pipe line.pdf**  
437K

Permission for laying Water pipeline from Km. 0/000 to Km.18/200 of NH-18 (NH-40) Chittoor water supply scheme with Adavipalli Reservoir as source underAMRUT 1.0” . - Reg.-

3 messages

RO MORTH VIJAYAWADA <romorthvijayawada@gmail.com>

To: Executive engineer NH Division Chittoor <eenhchittoor@gmail.com>

Sat, Mar 15, 2025 at 2:46 PM

Sir,

Please refer to Engineer-in-Chief(R&B), NH&CRF, AP letter no. NH-40/EE(NH&CRF)/NH/DEE4/AEE1/2022-23 dated 24.02.2025 submitting regarding therewith the proposal for permission for laying the pipeline from Km.0/000 to Km.18/200 of NH-18 (NH-40) under jurisdiction of the ExecutiveEngineer(R&B), NH Division, Chittoor in the State of Andhra Pradesh.

2. "In this regard, the proposal has been examined, and it is observed that road cutting is required for a stretch of 8.980 km. Additionally, road cutting permission is requested for a length of 1.425 km. However, in the submitted checklist and Route Strip Line Diagram, it is noted that the proposed road cutting length is 9.868 km. Therefore, a discrepancy of 0.537 km exists between the initially proposed road cutting length of 10.405 km and the length indicated in the checklist and Route Strip Line Diagram (9.868 km). This difference should be submitted for further necessary action and processing."

Thanks & Regards

*O/o Chief Engineer cum Regional Officer*  
कार्यालय मुख्य अभियंता सह क्षेत्रीय अधिकारी  
*Ministry of Road Transport & Highways,*  
सड़क परिवहन एवं राजमार्ग मंत्रालय,  
*Regional Office, Vijayawada*  
क्षेत्रीय कार्यालय,विजयवाड़ा  
*Government of India*  
भारत सरकार  
*E-Mail: romorthvijayawada@gmail.com*  
*Telephone: 0866-2571985*



RO MORTH VIJAYAWADA <romorthvijayawada@gmail.com>

To: Executive engineer NH Division Chittoor <eenhchittoor@gmail.com>

Sat, Mar 15, 2025 at 2:47 PM


PFA

Thanks & Regards

*O/o Chief Engineer cum Regional Officer*  
कार्यालय मुख्य अभियंता सह क्षेत्रीय अधिकारी  
*Ministry of Road Transport & Highways,*  
सड़क परिवहन एवं राजमार्ग मंत्रालय,  
*Regional Office, Vijayawada*  
क्षेत्रीय कार्यालय,विजयवाड़ा  
*Government of India*  
भारत सरकार  
*E-Mail: romorthvijayawada@gmail.com*  
*Telephone: 0866-2571985*



[Quoted text hidden]

 **E-in-C letter dated 24.10.2024.pdf**  
7497K

Executive Engineer R and B NH Division Chittoor <eenhchittoor@gmail.com>

To: RO MORTH VIJAYAWADA <romorthvijayawada@gmail.com>

Tue, Mar 18, 2025 at 4:11 PM


Sir,

Please find the Attachments.

Yours faithfully,

*Sri U. Srinivasulu,*  
*Executive Engineer,*  
*(R&B) NH Division, Chittoor.*

[Quoted text hidden]

 **25. EE to SE - Adivipalli reservoir - 17.03.2025.pdf**  
518K



**ROADS AND BUILDINGS DEPARTMENT  
NATIONAL HIGHWAYS**

**From**

Sri U.Srinivasulu, B.Tech.,  
Executive Engineer,  
(R&B) N.H. Division, Chittoor  
(email: eenhchittoor@gmail.com)

**To**

The Chief Engineer cum Regional Officer,  
D.No.41-29-45A, 3<sup>rd</sup> & 4<sup>th</sup> floors ,  
MoRT&H/NHAI Buildings,  
Ranigarithota,  
Near Kanakadurgavaradhi,  
Krishna Lanka, Vijayawada -520013.

**Lr.No.176/AMRUT/NH-18/AEE/CTR/2021-22, Dt: 17.03.2025**

Sir,

Sub:- (R&B) Department – (R&B) NH Division, Chittoor – Chittoor Water Supply - Improvement Scheme with Adavipalli Reservoir as source under AMRUT 1.0 - Permission accorded to lay pipe line from Ch. 18/2 to 57/0 of NH-18 - Permission to lay the Water Pipe Line from Ch 0/0 to 18/2 of NH-18 (NH-40) – Approval requested - Regarding.

- Ref:- (1) Executive Engineer (R&B) NH Division, Chittoor Lr No 176/AMRUT/NH-18/AEE/CTR/2021-22, Dt: 17.02.2025 addressed to the Superintending Engineer, (R&B) NH circle, Ananthapuramu.  
(2) The Engineer –in-Chief (R&B) NH &CRF, Vijayawada Lr. No. NH-40/EE (NH & CRF)/NH/DEE4/ AEE 1/2022-23, dt: 24.02.2025 addressed to the Chief Engineer – cum - Regional Officer, MORT&H, Vijayawada.  
(3) The Chief Engineer cum Regional Officer, MORT&H, Vijayawada E- mail dt: 15.03.2025.


-o00o-

With reference to (3) cited the Chief Engineer –cum- Regional Officer, MoRT&H, Vijayawada has examined the proposal, and observed that, there is a discrepancy of 0.537 km of road cutting exists between the initially proposed road cutting length of 10.405 km and the length indicated in the checklist and Route Strip Line Diagram (9.868 km).

In this connection it is to submit that, previously the public health department was submitted proposal for berm cutting required along the road for laying of pipe line for a stretch of 8.980 km and an additional length of 1.425 km i.e to a total length of 10.405 Km. However it is noticed that the actual road berm cutting required as per site condition, where there is no right of way for laying water pipe line is 9.868 Km only. The same was incorporated and submitted in Route Strip Line diagram and in Checklist. Hence there is a discrepancy of 0.537 km exists between the initially proposed road cutting length of 10.405 km length and the length indicated in the checklist and Route Strip Line Diagram (9.868) .

Hence, the Chief Engineer –cum - Regional Officer, MoRT&H, Vijayawada is requested to kindly accord necessary permission to Public Health authorities for laying of Water Pipe line and communicate the necessary orders at the earliest as there is much pressure from the District administration in this regard.

Yours faithfully,

  
Executive Engineer,  
(R&B) NH Division, Chittoor

## **CHECK – LIST**

Guidelines for processing the proposal for laying Water Pipe Line along National Highways vested with NHAI/PWD/BRO.

### **Relevant Circulars**

1) Ministry Circular No.RW/NH-33044/29/2015 S&R(R) dated 22.11.2016

### **Check list for getting approval for laying of Water Pipe Line on NH land**

S.No.	Item	Information/Status	Remarks
1.	General Information		
1.1	Name and Address of the Applicant/ Agency	Public Health, Tirupati, O/o Executive Engineer Public Health Division, SD Road, Near Ward Sachivalayam-38, Tirupati. Andhra Pradesh.	
1.2	National Highway Number	NH-18 (New NH-40)	
1.3	State	Andhra Pradesh	
1.4	Location	Chittoor	
1.5	(Chainage in Km)	Km.0/000 to Km. 2/197, Km.2/861 to Km.12/450, Km.13/050 to Km.18/250, Km.28/165 to Km.28/290, Km.34/400 to Km.34/660 & Km.44/385 to 44/920	
1.6	Length in Meters	17846M+22M (Road Crossings) = 17868 Mtr	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/Km direction	As per Sheet Attached	
	(b) Right side from center line towards increasing chainage/Km direction	As per Sheet Attached	
1.8	Proposal to laying WATER PIPE LINE cable		
	(a) Left side from center line towards increasing chainage/Km direction	(At the edge of ROW) Yes,As per Drawings attached	
	(b) Right side from center line towards increasing chainage/Km direction	-	
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable	NA	

  
**Executive Engineer,**  
**Public Health, Tirupati.**

  
**EXECUTIVE ENGINEER**  
**(R&B) N.H. Division**  
**CHITTOOR.**

1.11	Details of already laid services, if any, along the proposed route	Airtel, BSNL OFC Line, Reliance JIO	
1.12	Number of existing lanes (2/4/6/8 lanes)	6Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	YES (as shown in the strip plan)	
	If yes then which side	Both sides	
	(a) Left side from center line		
	(b) Right side from Center line	Both sides	
1.15	Proposed Service road		
	(a) Lift side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to laying Water Pipe Line is after the service road or between the service road and main carriage way	After service road	
1.17	Whether carrying of sewage/gas/WATER PIPE LINE pipe line has been propsoed on highway Bridges. If Yes, the mention the methodology proposed for the same	Yes (Methodology enclosed)	
1.18	Whether carrying of sewage/gas pipe line has been propsoed on parapet/any part of the bridges. If Yes, the mention the methodology proposed for the same	Yes (Methodology enclosed)	
1.19	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.	Yes HDD method	
	a) Whether existing drainage structure allowed carrying utility pipeline.	No Such Proposals	
	b) Is it on a line normal to NH	Yes as shown in plan	
	c) What is the distance of crossing the utility pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	More than 15 Mtr	

  
**Executive Engineer,**  
**Public Health, Tirupati.**


  
**EXECUTIVE ENGINEER**  
**(R&B) N.H. Division**  
**CHITTOOR.**

	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable. Mention type of casing.	NA	
	e) Ends of the casing / conduit pipe / tower foundation shall be sealed from the outside, so that it does not act as a drainage path.	Will be followed	
	f) The casing / conduit pipe should, as minimum extend from drain to drain in cuts and toe of slop toe of slope in the fills.	Will be followed	
	g) The top of the casing/conduit pipe / tower foundation should be at least 1.2 meter below the surface of the road subject to bring atleast 0.3 m below the drain inverts.	Will be followed	
	h) Mention the methodology proposed for crossing of road for the proposed WATER PIPE LINE. Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD (Trench less technology)	
	i) The casing / Conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	Will be followed	
2	Document / drawing enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of the trench for open trenching method. (Is it normal size of 1.6m(min) deepX0.3 wide) i) Should not be greater than 20 cm wider than the outer diameter of the pipe. ii) Located as close to the	Drawing enclosed	

  
Executive Engineer,  
Public Health, Tirupati.

  
EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

	<p>extreme edge of the right-of-way as possible but not less than 15 meter from the centre-line of the nearest carriageway</p> <p>iii) shall not be permitted to run along the National highway when the road formation is situated in double cutting, Nor shall these be laid over the existing culverts and bridges.</p> <p>iv) These should be so laid that their top is atleast 0.6 meter below the ground level so as not to obstruct drainage f the road land.</p>		
2.2	Cross section showing the size of pit and location of pipe line for HDD method.	Enclosed	
2.3	Strip plan / Route plan showing the Water Pipe line. chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc.	Enclosed	
2.4	Methodology for laying of WATER PIPE LINE	Laying methodology enclosed	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If yes, methodology of refilling of trench.	<p>Yes</p> <p>Back fill with suitable soil in each layer 150mm and compacting with hand hammer.</p>	
	(a) The trench width should be atleast 30 cm but not more than 60cm wider than the outer diameter of the pipe.	Enclosed	
	(b) For filling of the trench, bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be	<p>YES</p> <p>Will be followed</p>	

  
**Executive Engineer,**  
**Public Health, Tirupati.**

  
**EXECUTIVE ENGINEER**  
**(R&B) N.H. Division**  
**CHITTOOR.**



	excavated and replaced by replaced by selected material		
	(c) The backfill shall be completed in two stages (1) side-fill to the level to the top of the pipe and (ii) overfill to the bottom of the road crust.	YES Will be followed	
	d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	YES Will be followed	
	e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench	YES Will be followed	
	f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	YES Will be followed	
	g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) method.	Adopted for road crossings and built up areas where normal trenching is not possible	
2.4.3	Methodology for laying of Water Pipe Line through CD works and method of Laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	NA	
3	Draft License agreement signed by two witnesses.	YES	
3.1	The License fee estimates per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	Enclosed	
4	Whether Performance Bank	An undertaking given by the agency	

  
 Executive Engineer,  
 Public Health, Tirupati.


  
 EXECUTIVE ENGINEER  
 (R&B) N.H. Division  
 CHITTOOR.

	Guarnatee as Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	towards Performance Bank Guarantee as per extant norms MORTH per each crossing as demanded by NHAI/MORTH.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Yes	
5	Affidavit / undertaking from the Applicant for the following is to be furnished	Yes	
5.1	Undertaking for not to Damage any other utility. If damaged then to pay the losses either to NHAI or to the concerned agency.	YES,Enclosed	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES,Enclosed	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	YES,Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	YES,Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES,Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be pid by the applicant.	YES,Enclosed	
5.7	Undertaking that prior apporval of the NHAI shall be obtained before undertaking any work of the installation, shifting or repairs or alterations to the utility located in the National Highway right of ways.	YES,Enclosed	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage casued to the Nationl Highway by the laying, maintanance or shifting of the utility line will be borne by the applicant agency owning the line.	YES,Enclosed	
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued vide	YES,Enclosed	

  
**Executive Engineer,**  
**Public Health, Tirupati.**

  
**EXECUTIVE ENGINEER**  
**(R&B) N.H. Division**  
**CHITTOOR.**

	Ministry's Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.		
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of Explosives. Petroleum and Explosive Safety organisation. Oil Industry Safety Directorate. State/Central Pollution Control Board and any other statutory clearance's applicable. before applying to Highway Administration.	NA	
5.11	If the MoRTH/NHA considers it necessary in future to move the utility line for any work for improvement or repairs to the road it will be carried out as desired by the NHA at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	
5.12	Certificate from the applicant in the following format i) Laying of over head electrical line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHA for future six laning or any other development.	Yes, Enclosed	
6	Who will sign the agreement on behalf of Laying of WATER PIPE LINE	Public Health, Tirupati	
	Power of Attorney to sign the agreement is available or not	Yes	
7	The Project Director, will submit the following Certificates.		
7.1	Certificate for confirming of all	EE, R&B NH-Division, Chittoor	

  
**Executive Engineer,**  
**Public Health, Tirupati.**

  
**EXECUTIVE ENGINEER**  
**(R&B) N.H. Division**  
**CHITTOOR.**


	standard condition issued vide Ministry Circular No.NH-41 (58)/68 dated 31.01.1969, Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.		
7.2	Certificate from PD in the following format (i) " It is certified that any other location of the WATER PIPE LINE line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of Curve etc".	EE, R&B NH-Division, Chittoor	
	(ii) for 6-lanning (a) Where feasibility is available " I do certify that there will be no hindrance to proposed six-lanning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodation proposed six-laning".	EE, R&B NH-Division, Chittoor	
	If NH section proposed to be taken up by NHAI on BOT basis – s cause in para 9 to be inserted in the agreement. "The permitted Highway on which license has been granted as a right to lay cable / duct, has also been granted as a right of the way to be concessional under the concession agreement for up-gradation on build, operate and transfer basis] and therefore, the license shall honor the same".	Enclosed	
8.	Who will supervise the work of laying of WATER PIPE LINEz		


  
**Executive Engineer,**  
**Public Health, Tirupati.**

  
**EXECUTIVE ENGINEER**  
**(R&B) N.H. Division**  
**CHITTOOR.**



	(a) On behalf of the Applicant	Public Health, Tirupati	
	(b) On behalf of NHA	EE, R&B NH-Division, Chittoor	
9.	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Public Health, Tirupati	
	(b) On behalf of NHA	EE, R&B NH-Division, Chittoor	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Public Health, Tirupati	
12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed).	Yes Enclosed Annexure-III	
13	If any previous approval is accorded for laying of WATER PIPE LINE then photocopy of register of records of permissions accorded as maintained by Project Director may be enclosed.	Yes	

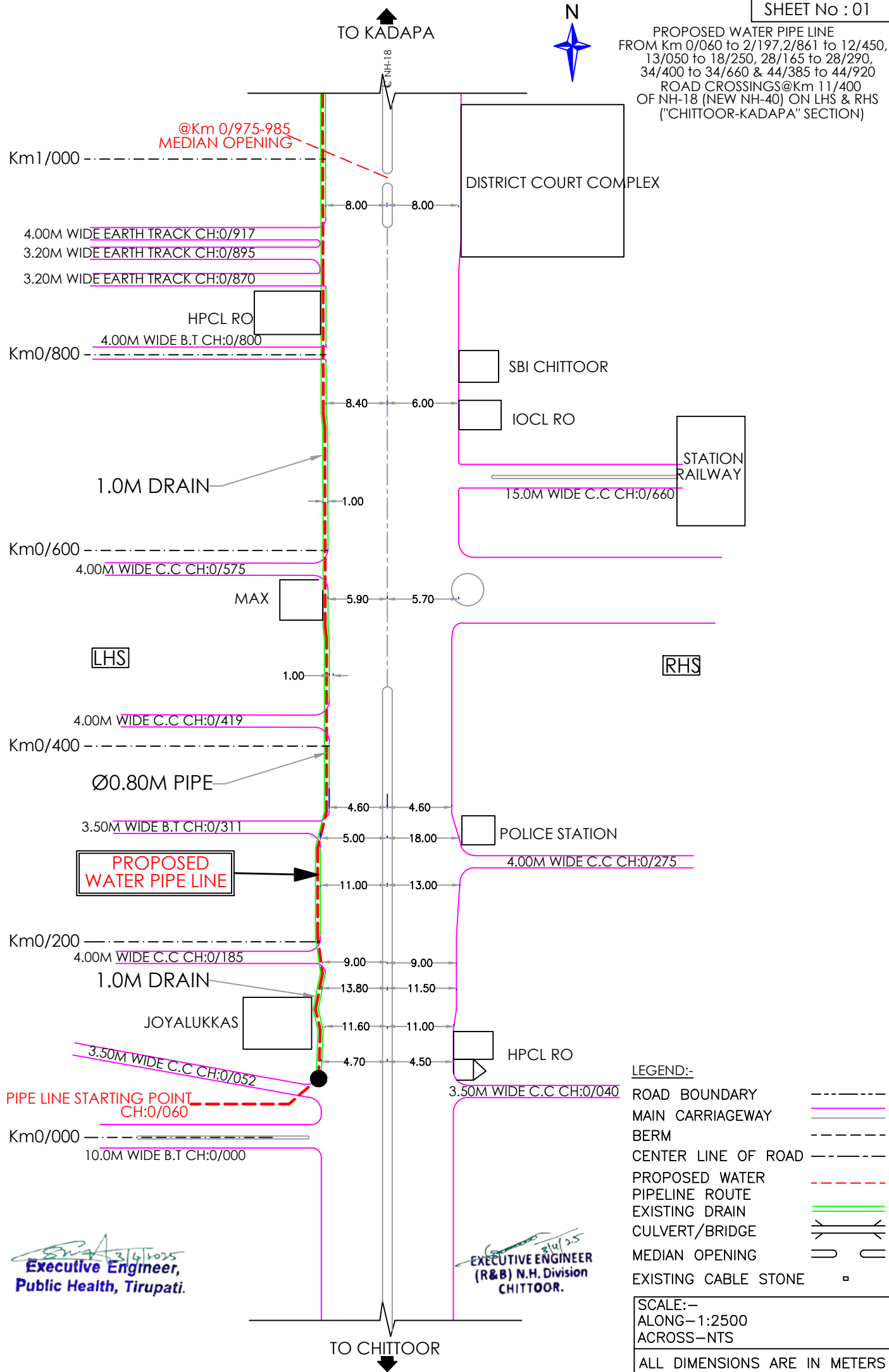
  
 [Name, Designation and signature of  
 the authorised representative of  
 applicant]

  
 [Name, Designation and signature of  
 concerned authority of  
 NHA/PWD/BRO]

## **CERTIFICATE**

1. Undersigned has examined the proposal of the applicant for laying of Water Pipe Line and confirm that the all the standard condtions are satisfied issued Minstry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and subsequent ammendments on Dt.17.04.2023
2. It is certified that any other location of utility line would be extremely difficult and unreasonble costly and installation of utility line withi ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such s widening of the carriageway, easing of curve etc.
3. I will ensure supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
4. I will notify/forefit the BG for claims for damages done/disruption in working, if any.
5. I will ensure that propsoed permission in entered in the register of records.
6. The record of previous apporval, if any has been considered and copy od same is enclosed with the proposal.

  
**EXECUTIVE ENGINEER**  
**REG. IN H. Division**  
**CHITTOOR.**  
[Name, Designation and signature of  
concerned authority of  
NHAI/PWD/BRO]



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



TO KADAPA

NH-18

Km2/000

3.50M WIDE C.C CH:1/915

Km1/800

TATA

MOTORS

C.C ROAD CH:1/796

ZUDIO

3.50M WIDE C.C CH:1/725

Km1/600

3.50M WIDE C.C CH:1/585

LHS

3.50M WIDE C.C CH:1/512

RHS

INCOME TAX OFFICE

FUNCTION HALL

MANGO YARD

Km1/400

SLAB CULVERT  
@Km 1/383

Ø0.80M PIPE

Km1/200

PROPOSED  
WATER PIPE LINE

10.0M WIDE B.T CH:1/200

Km1/000

1.0M DRAIN

TO CHITTOOR

## LEGEND:-

ROAD BOUNDARY

MAIN CARRIAGEWAY

BERM

CENTER LINE OF ROAD

PROPOSED WATER

PIPELINE ROUTE

EXISTING DRAIN

CULVERT/BRIDGE

MEDIAN OPENING

EXISTING CABLE STONE

SCALE:-

ALONG-1:2500

ACROSS-NTS

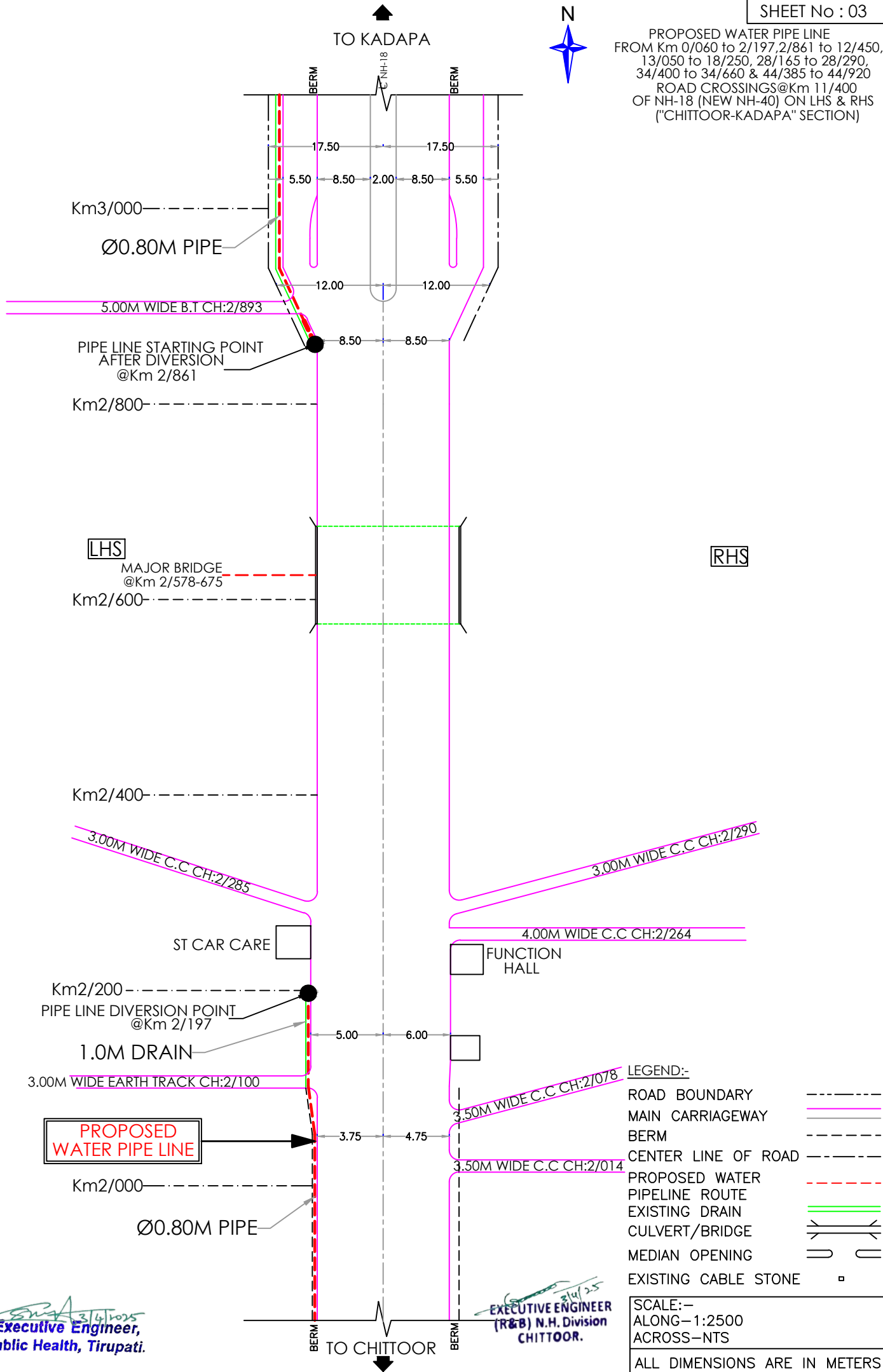
ALL DIMENSIONS ARE IN METERS

EXECUTIVE ENGINEER  
(R&B)-N.H. Division  
CHITTOOR.

Executive Engineer,  
Public Health, Tirupati.



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197, 2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS @ Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



Executive Engineer,  
Public Health, Tirupati.

Ø0.80M PIPE

Km4/000

3.20M WIDE C.C CH:3/939

1.50M DRAIN

12.25

8.75

2.00

8.75

3.00M WIDE C.C CH:3/976

Km3/800

14.00

8.75

8.75

[LHS]

Km3/600

PROPOSED WATER PIPE LINE

VUP @Km 3/425

Km3/400

Ø0.80M PIPE

Km3/200

VUP @Km 3/016

Km3/000

7.00

5.50

2.00

5.00M WIDE B.T CH:3/107

LEGEND:-

- ROAD BOUNDARY
- MAIN CARRIAGEWAY
- BERM
- CENTER LINE OF
- PROPOSED WATER PIPELINE ROUTE
- EXISTING DRAIN
- CULVERT/BRIDGE
- MEDIAN OPENING
- EXISTING CABLE

ROAD BOUNDARY  
MAIN CARRIAGEWAY  
BERM  
CENTER LINE OF ROAD  
PROPOSED WATER  
PIPELINE ROUTE  
EXISTING DRAIN  
CULVERT/BRIDGE  
MEDIAN OPENING  
EXISTING CABLE STONE

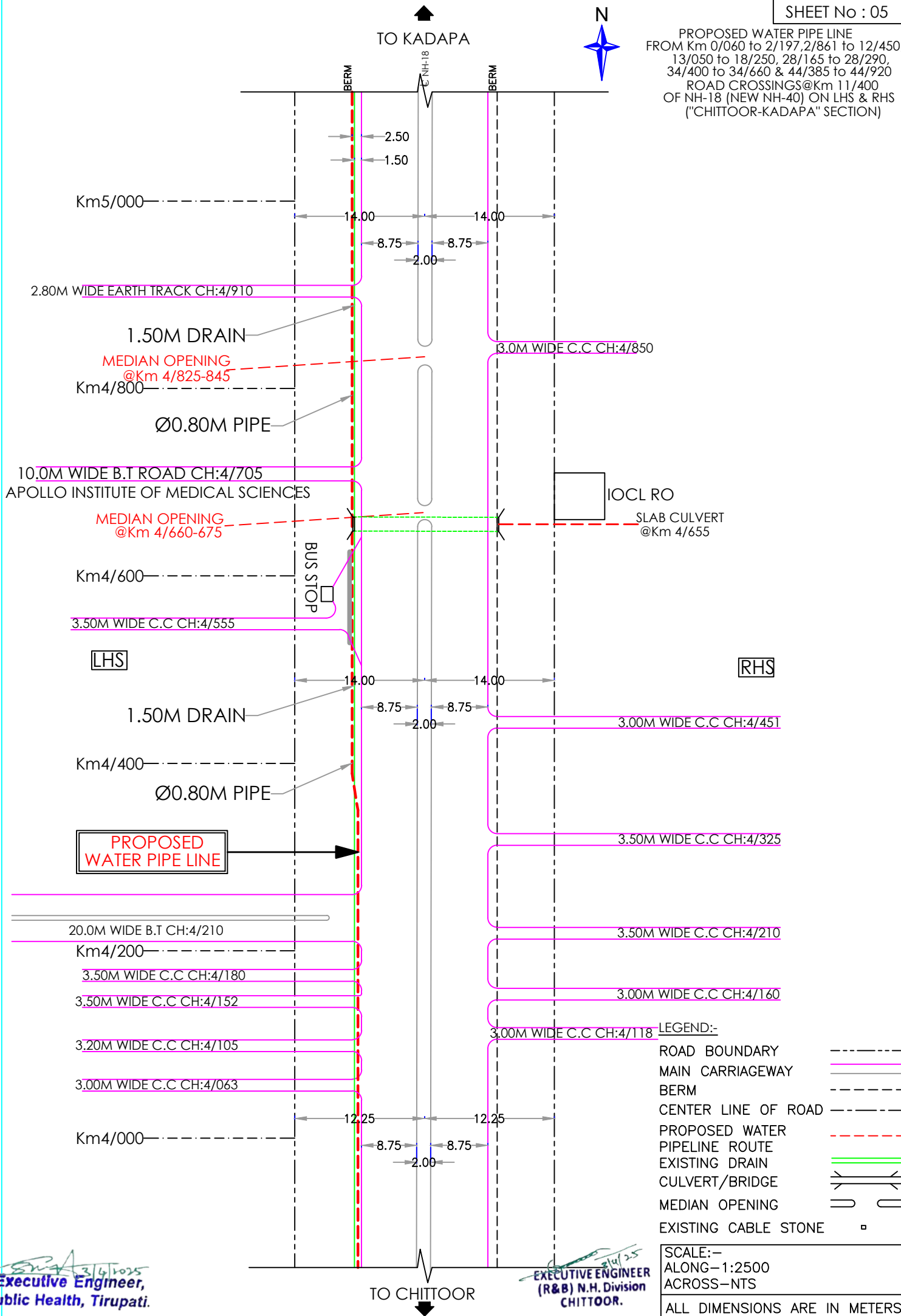
SCALE:— ALONG—1:2500 ACROSS—NTS
ALL DIMENSIONS ARE IN METERS

  
Executive Engineer,  
Public Health, Tirupati.

3/4/25  
EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)

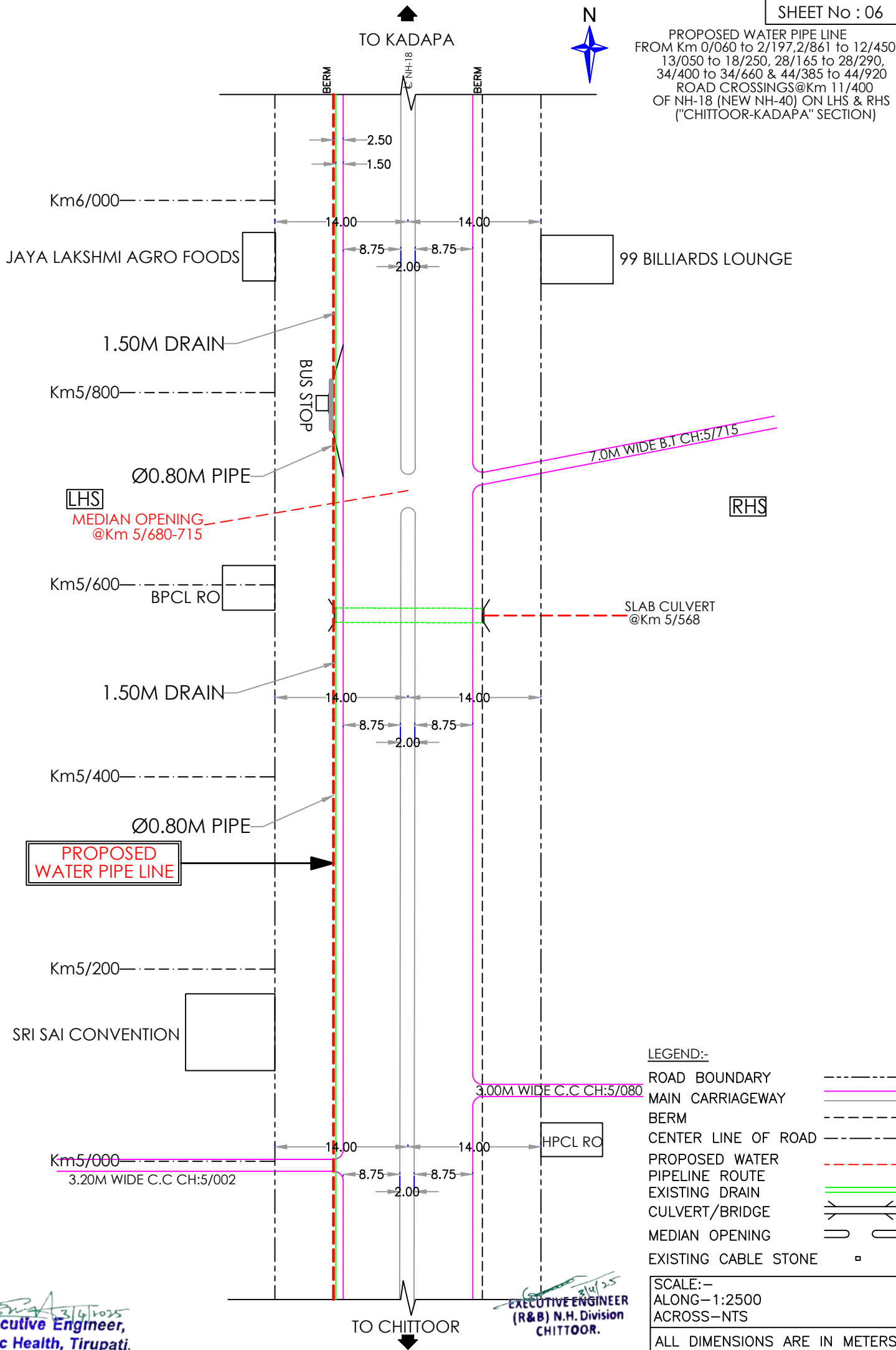
TO KADAPA



Executive Engineer,  
Public Health, Tirupati.

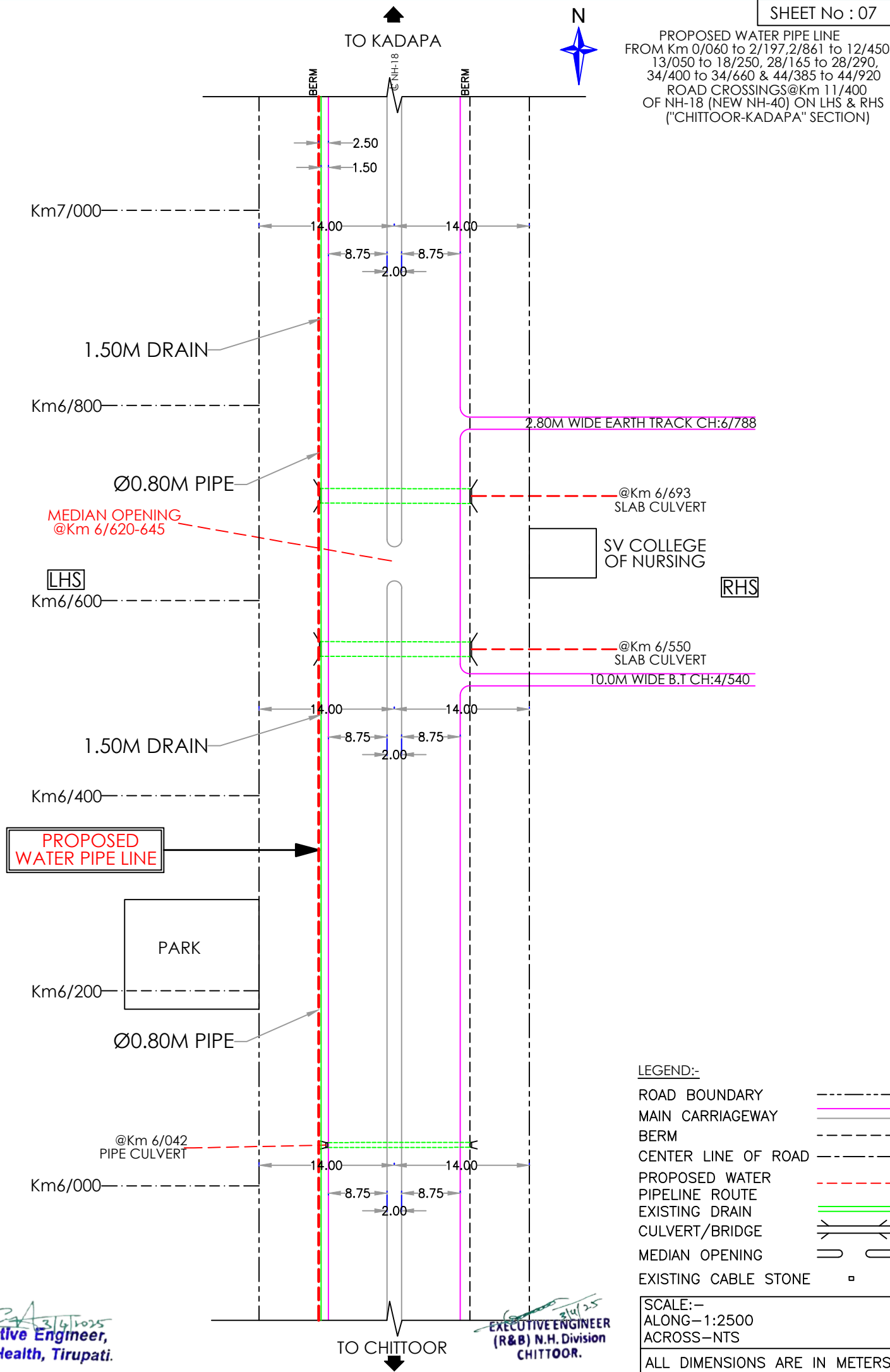
EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)





PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197, 2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)

TO KADAPA



Km8/000

1.50M DRAIN

Km7/800

PROPOSED  
WATER PIPE LINE

LHS

Ø0.80M PIPE

Km7/600

PUP  
@Km 7/940

RHS

PUP  
@Km 7/650

1.50 5.50

2.80M WIDE EARTH TRACK CH:7/460

2.80M WIDE EARTH TRACK CH:7/420

Km7/400

8.50

Ø0.80M PIPE

@Km 7/395  
PUP

SV COLLEGE

Km7/200

PROPOSED  
WATER PIPE LINE

1.50M DRAIN

Km7/000

TO CHITTOOR

## LEGEND:-

ROAD BOUNDARY	----
MAIN CARRIAGEWAY	=====
BERM	----
CENTER LINE OF ROAD	----
PROPOSED WATER PIPELINE ROUTE	- - - - -
EXISTING DRAIN	=====
CULVERT/BRIDGE	=====
MEDIAN OPENING	=====
EXISTING CABLE STONE	◻

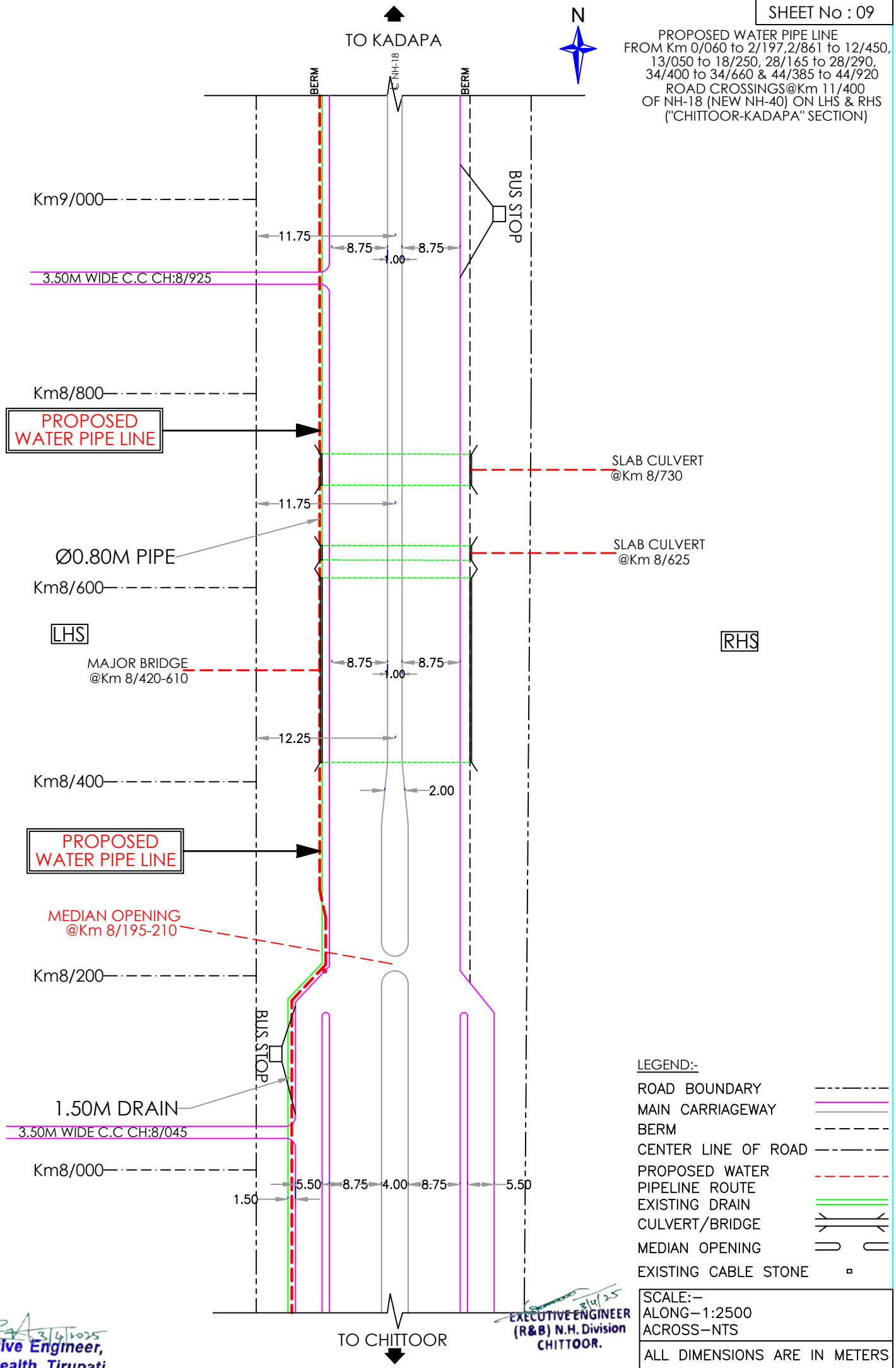
SCALE:-  
ALONG-1:2500  
ACROSS-NTS

ALL DIMENSIONS ARE IN METERS

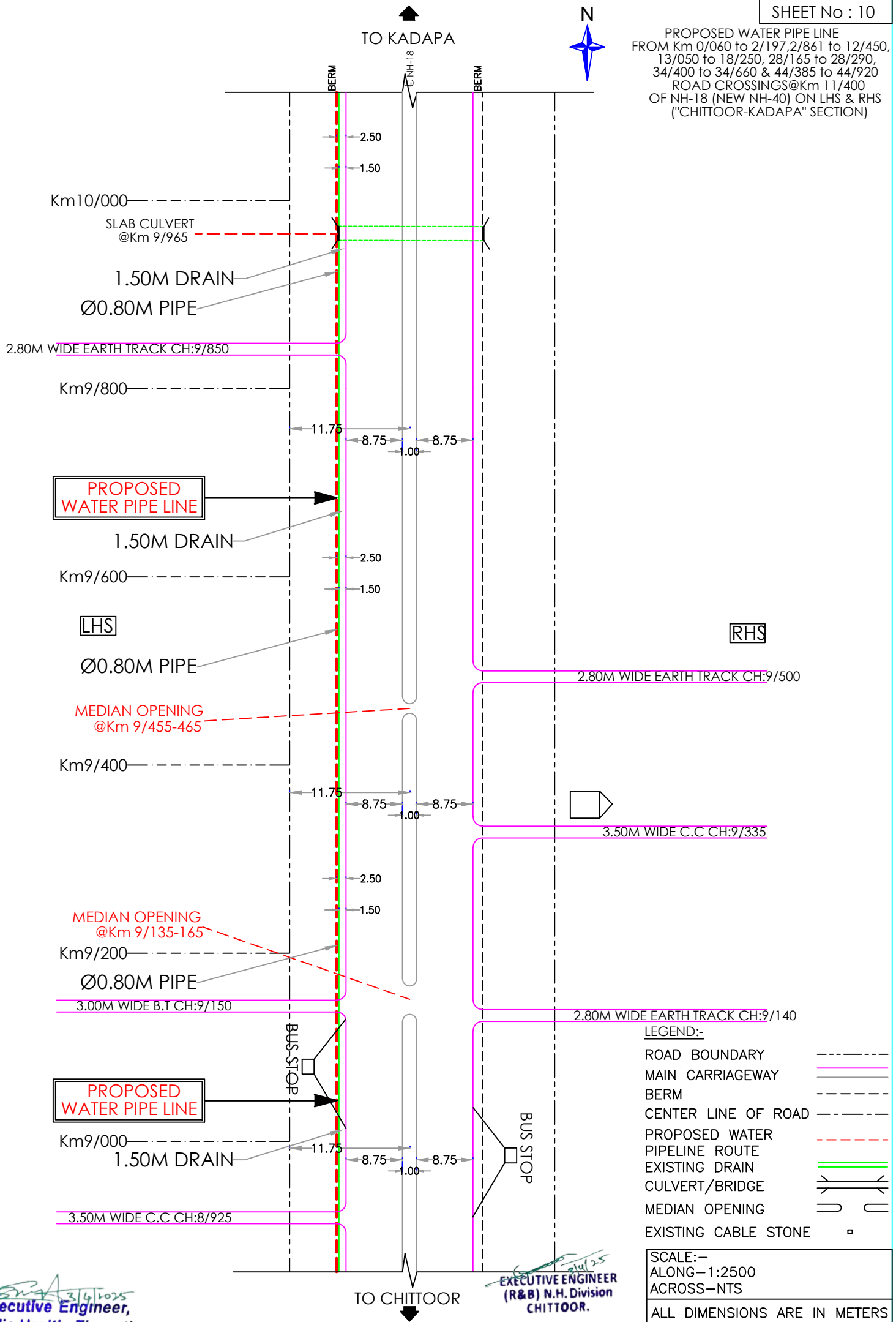
Executive Engineer,  
Public Health, Tirupati.

EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197,2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)

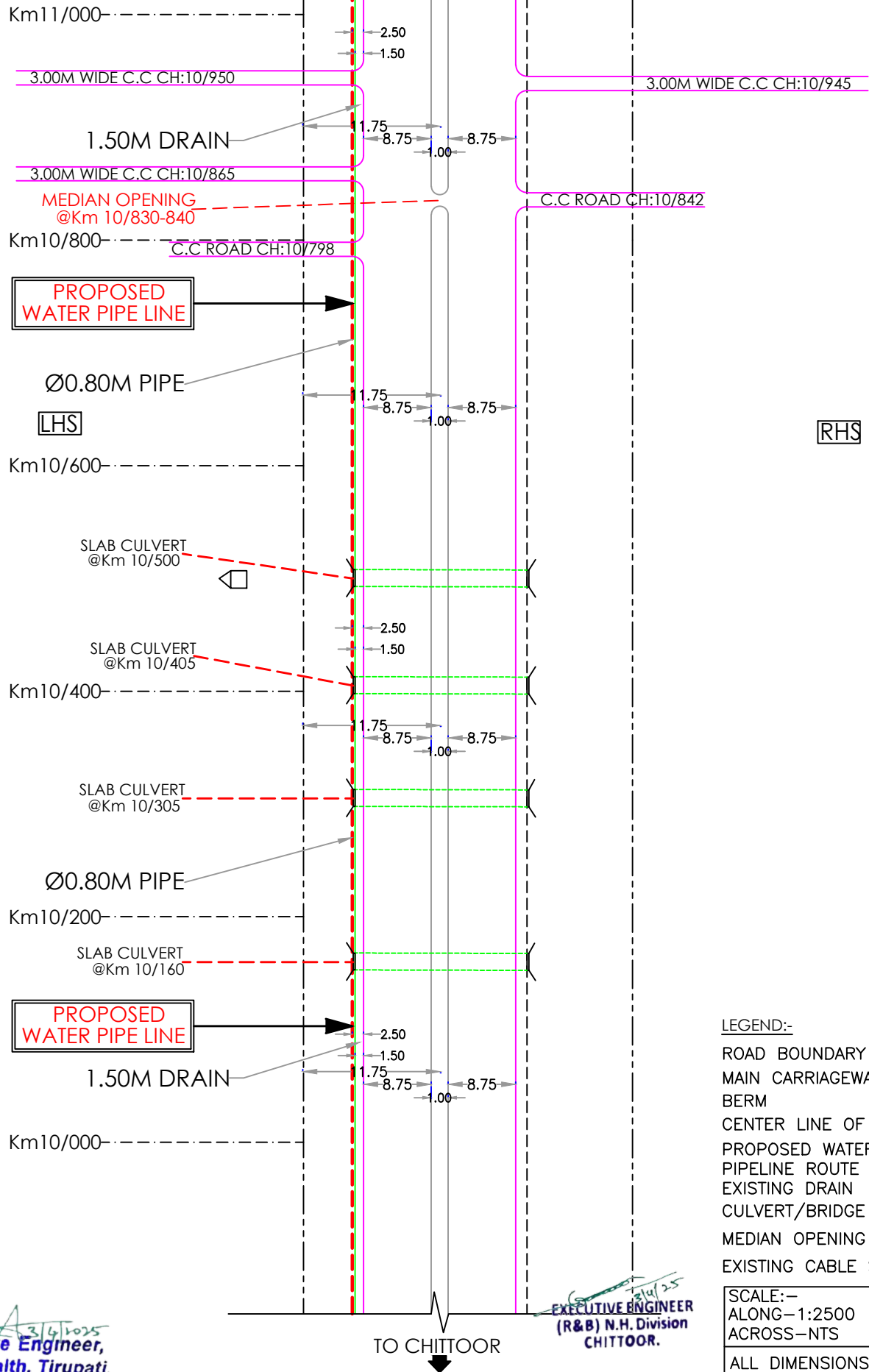


PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197, 2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS @ Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)





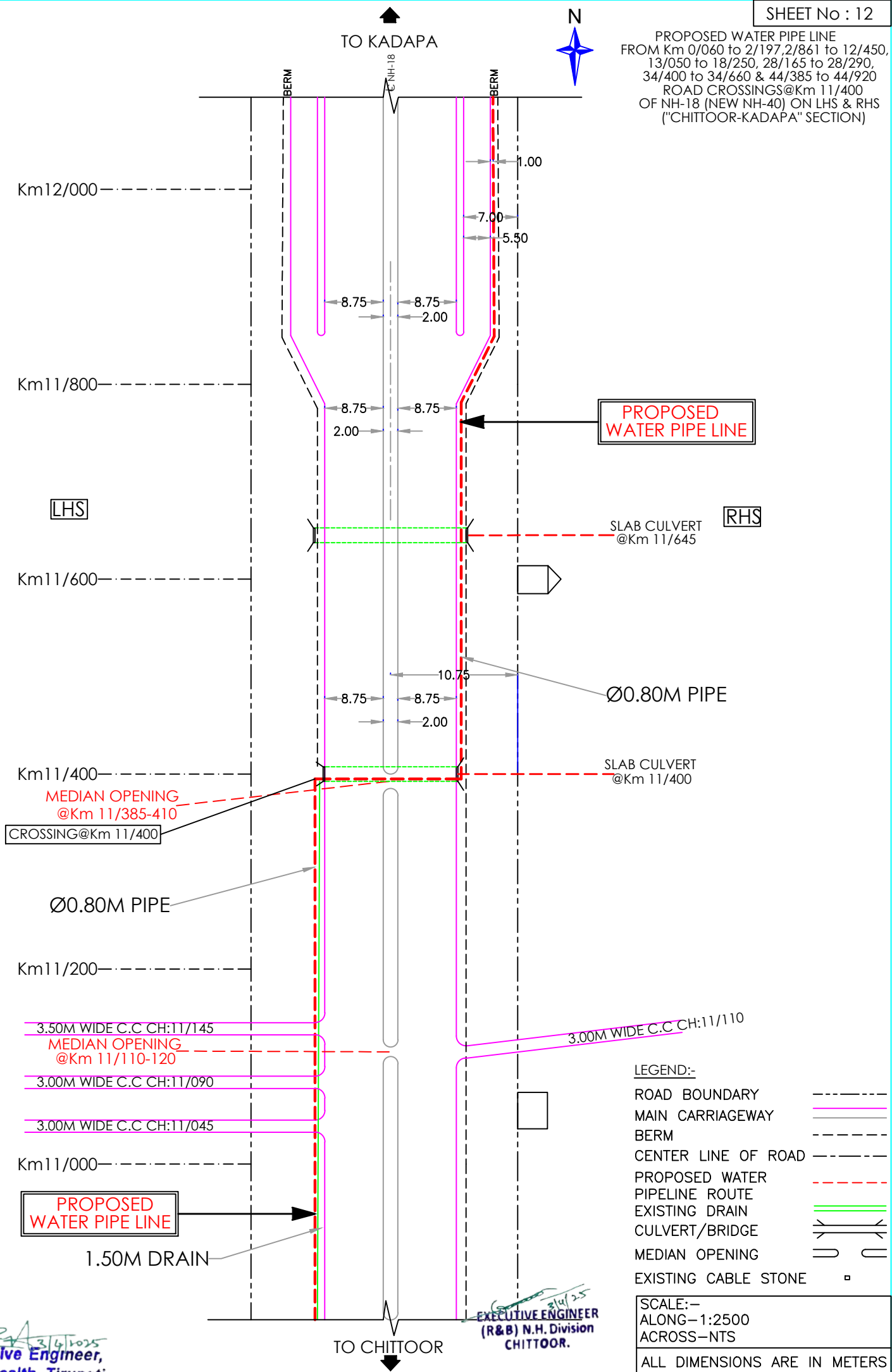
PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197, 2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS @ Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



Executive Engineer,  
Public Health, Tirupati.

EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197, 2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)

TO KADAPA



Km13/000

SLAB CULVERT  
@Km 12/900

Km12/800

Km12/600

LHS

RHS

Km12/400

Km12/200

Km12/000

8.75 2.00 8.75 5.50 2.00  
1.00

**PROPOSED  
WATER PIPE LINE**

Ø0.80M PIPE  
SLAB CULVERT  
@Km 12/175

PUP  
@Km 12/130

LEGEND:-

ROAD BOUNDARY  
MAIN CARRIAGEWAY  
BERM  
CENTER LINE OF ROAD  
PROPOSED WATER  
PIPELINE ROUTE  
EXISTING DRAIN  
CULVERT/BRIDGE  
MEDIAN OPENING  
EXISTING CABLE STONE

SCALE:-  
ALONG-1:2500  
ACROSS-NTS

ALL DIMENSIONS ARE IN METERS

*Signature*  
Executive Engineer,  
Public Health, Tirupati.

*Signature*  
EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

TO CHITTOOR

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)

Km14/000

TO KADAPA



1.00  
2.00  
10.75  
8.75  
2.00

MEDIAN OPENING  
@Km 13/805-825

Km13/800

B.T ROAD CH:13/818

SLAB CULVERT  
@Km 13/703

RHS

Km13/600

MEDIAN OPENING  
@Km 13/502-512

ESSAR RO

SLAB CULVERT  
@Km 13/550

LHS

Km13/400

Ø0.80M PIPE

PROPOSED  
WATER PIPE LINE

1.00  
2.00  
10.75  
8.75  
2.00

Km13/200

PIPE LINE STARTING POINT AFTER DIVERSION  
@Km 13/050

HEALTH AWARENESS CENTER

MEDIAN OPENING  
@Km 13/050-060

Km13/000

SLAB CULVERT  
@Km 12/900

B.T ROAD CH:12/930  
31/4/23

TO CHITTOOR

## LEGEND:-

ROAD BOUNDARY	----
MAIN CARRIAGEWAY	=====
BERM	----
CENTER LINE OF ROAD	----
PROPOSED WATER PIPELINE ROUTE	----
EXISTING DRAIN	=====
CULVERT/BRIDGE	=====
MEDIAN OPENING	=====
EXISTING CABLE STONE	◻

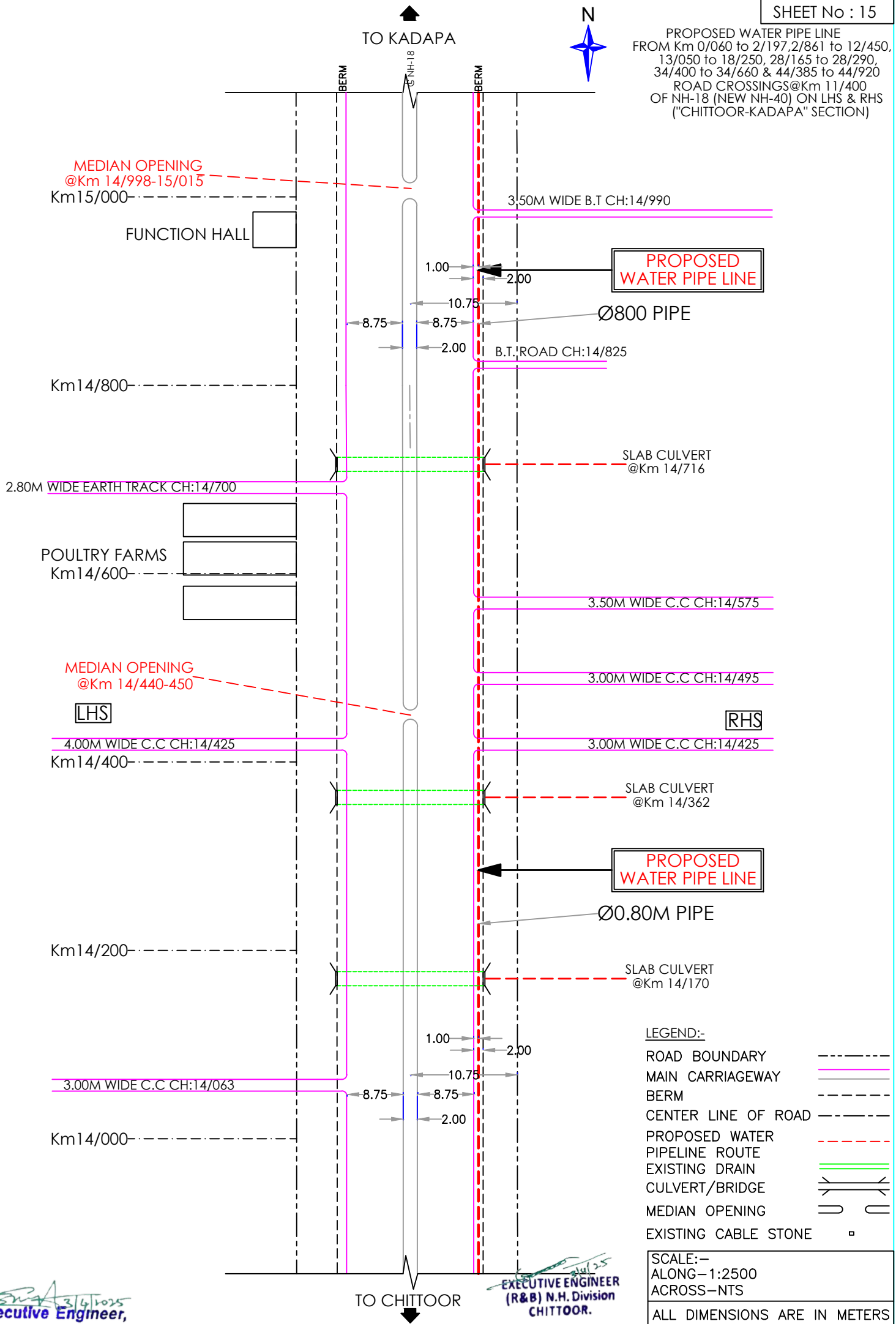
SCALE:-  
ALONG-1:2500  
ACROSS-NTS

ALL DIMENSIONS ARE IN METERS

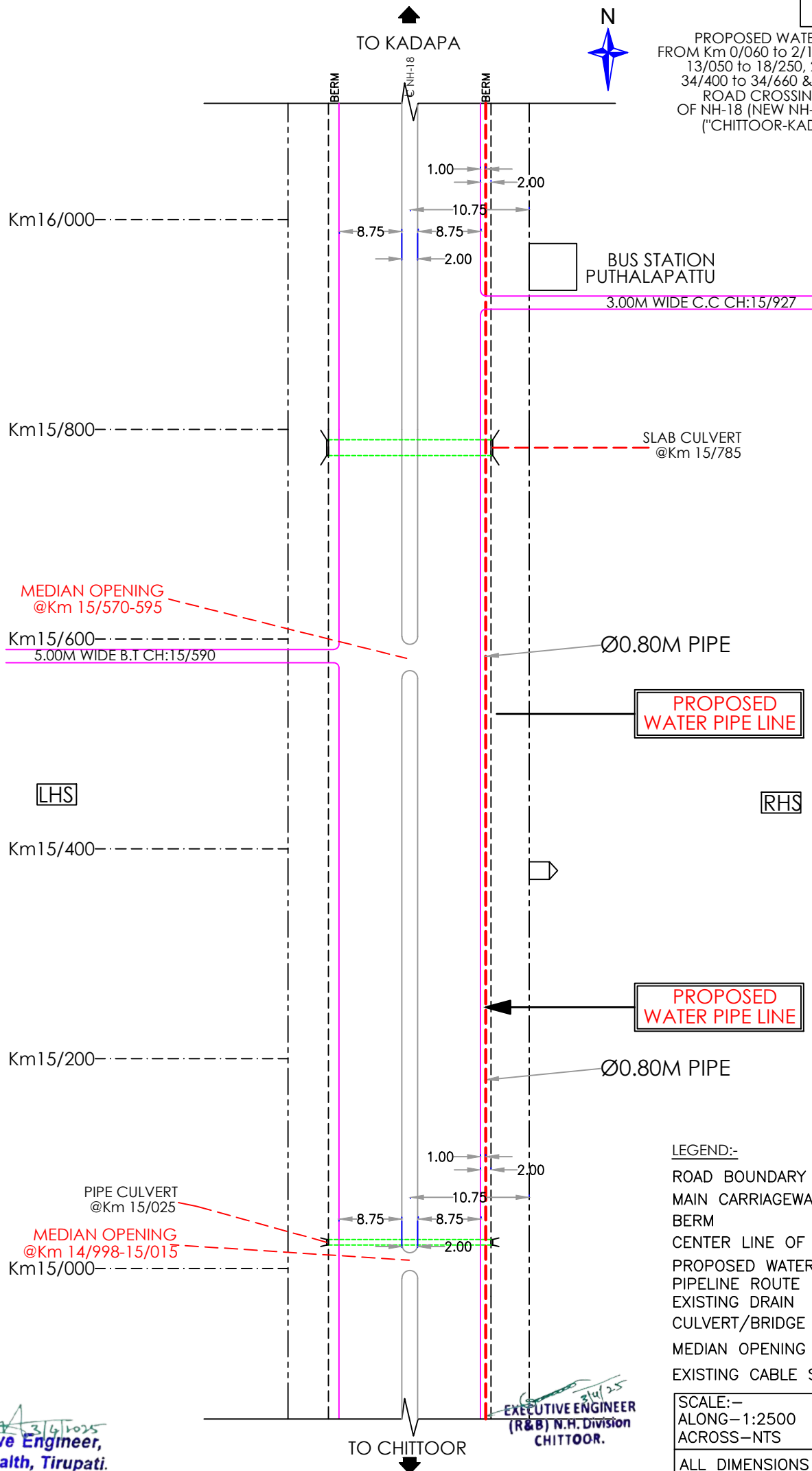
Executive Engineer,  
Public Health, Tirupati.

EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197, 2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS @ Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197, 2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS @ Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



## LEGEND:-

ROAD BOUNDARY	----
MAIN CARRIAGEWAY	=====
BERM	----
CENTER LINE OF ROAD	----
PROPOSED WATER PIPELINE ROUTE	----
EXISTING DRAIN	=====
CULVERT/BRIDGE	=====
MEDIAN OPENING	=====
EXISTING CABLE STONE	□

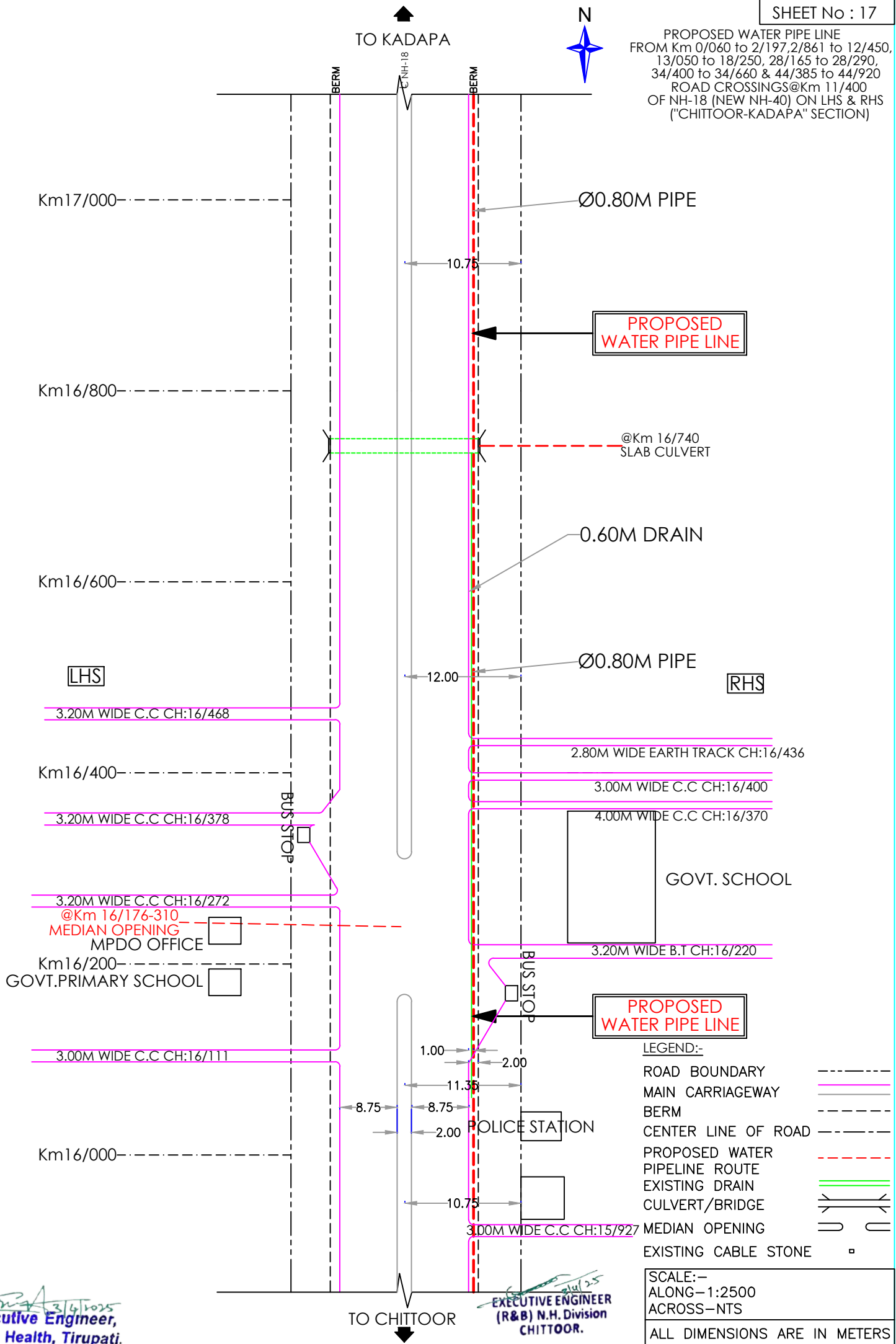
SCALE:-  
ALONG-1:2500  
ACROSS-NTS

ALL DIMENSIONS ARE IN METERS

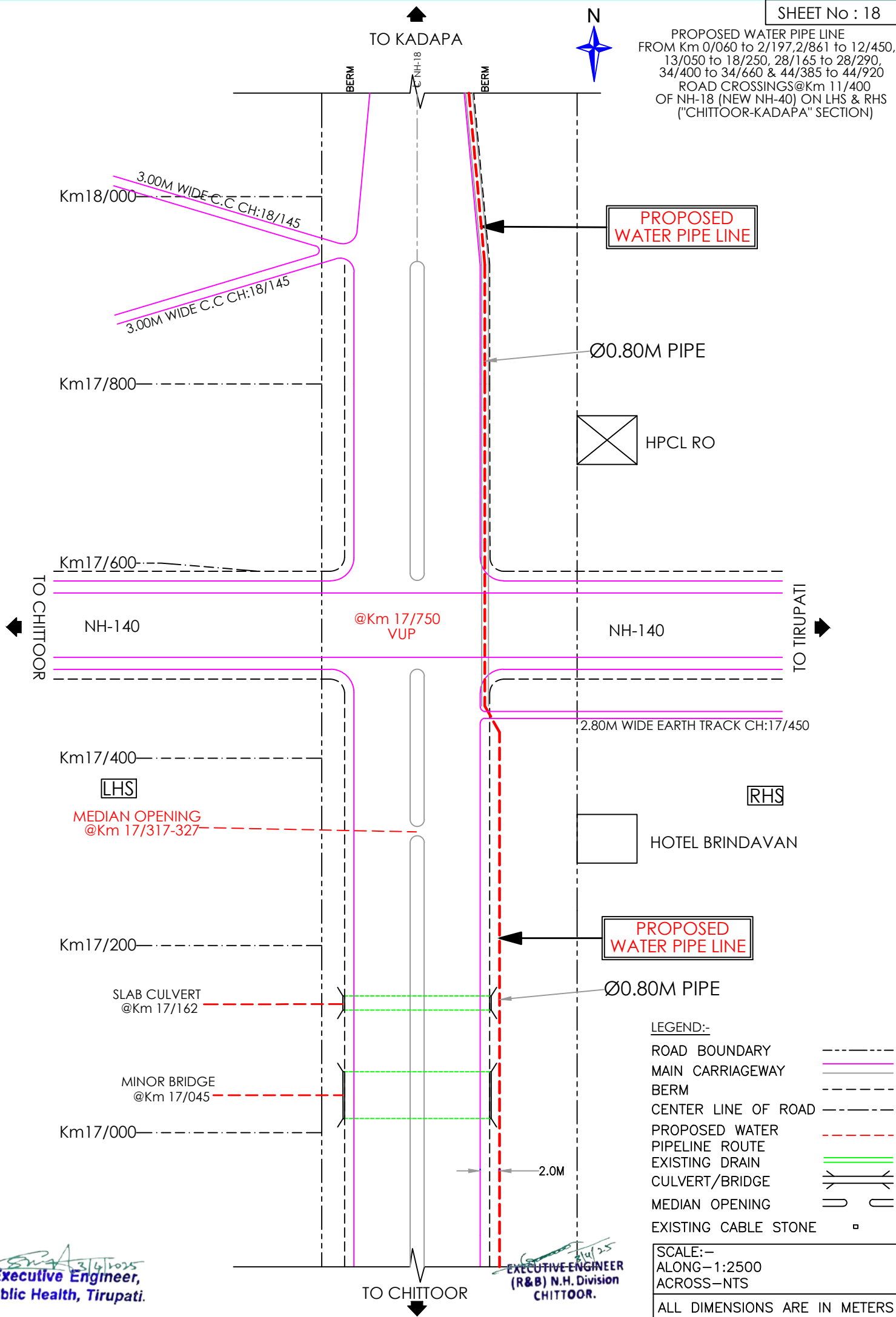
Executive Engineer,  
Public Health, Tirupati.



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS @ Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)

Km19/000

15.00

15.00

LHS

RHS

Km18/800

Km18/600

Km18/400

15.00

15.00

**PROPOSED  
WATER PIPE LINE**

PIPE LINE ENDING POINT  
@ Km 18/250

Ø0.80M PIPE

5.00M WIDE B.T CH:18/250

LEGEND:-

ROAD BOUNDARY

MAIN CARRIAGEWAY

BERM

CENTER LINE OF ROAD

PROPOSED WATER

PIPELINE ROUTE

EXISTING DRAIN

CULVERT/BRIDGE

MEDIAN OPENING

EXISTING CABLE STONE

3.00M WIDE C.C CH:18/145  
Km18/200

3.00M WIDE C.C CH:18/145

NH 40

15.00

TO CHITTOOR

EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

SCALE:-  
ALONG-1:2500  
ACROSS-NTS

ALL DIMENSIONS ARE IN METERS

Executive Engineer,  
Public Health, Tirupati.

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)

Km29/000

TO KADAPA

BERM

C NH-18

BERM



10.00

15.00

Km28/800

LHS

RHS

Km28/600

15.00

15.00

Km28/400

4.00M WIDE B.T CH:28/205  
Km28/200

15.00

15.00

Km28/000

TO CHITTOOR

EXECUTIVE ENGINEER  
(R&B) N.H. Division  
CHITTOOR.

PIPE LINE ENDING POINT  
@Km 28/290

5.50

2.00

BUS STOP

PROPOSED  
WATER PIPE LINE

Ø0.80M PIPE

PIPE LINE STARTING POINT  
@Km 28/165

LEGEND:-

ROAD BOUNDARY

MAIN CARRIAGEWAY

BERM

CENTER LINE OF ROAD

PROPOSED WATER

PIPELINE ROUTE

CULVERT/BRIDGE

MEDIAN OPENING

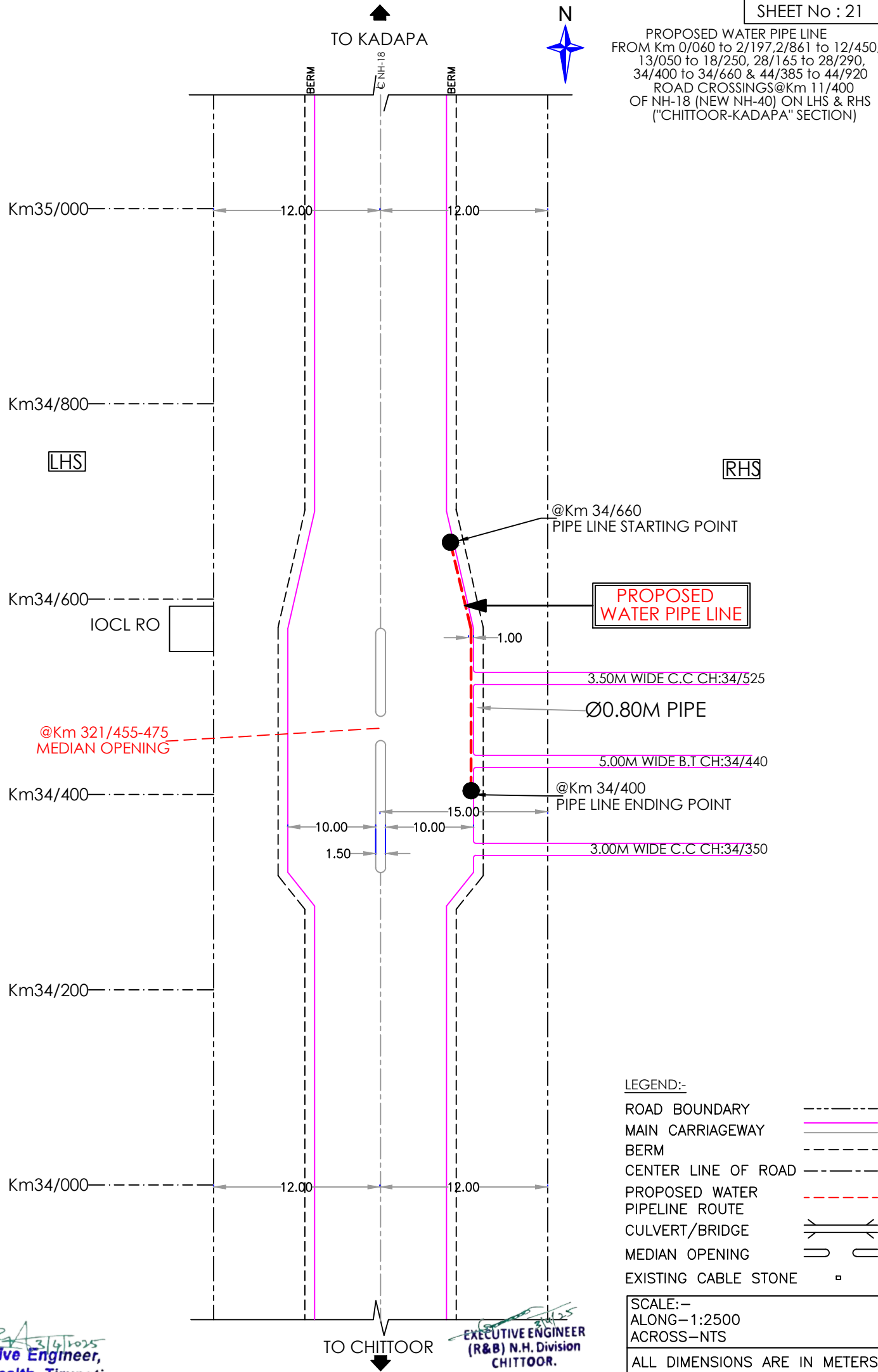
EXISTING CABLE STONE

SCALE:-  
ALONG-1:2500  
ACROSS-NTS

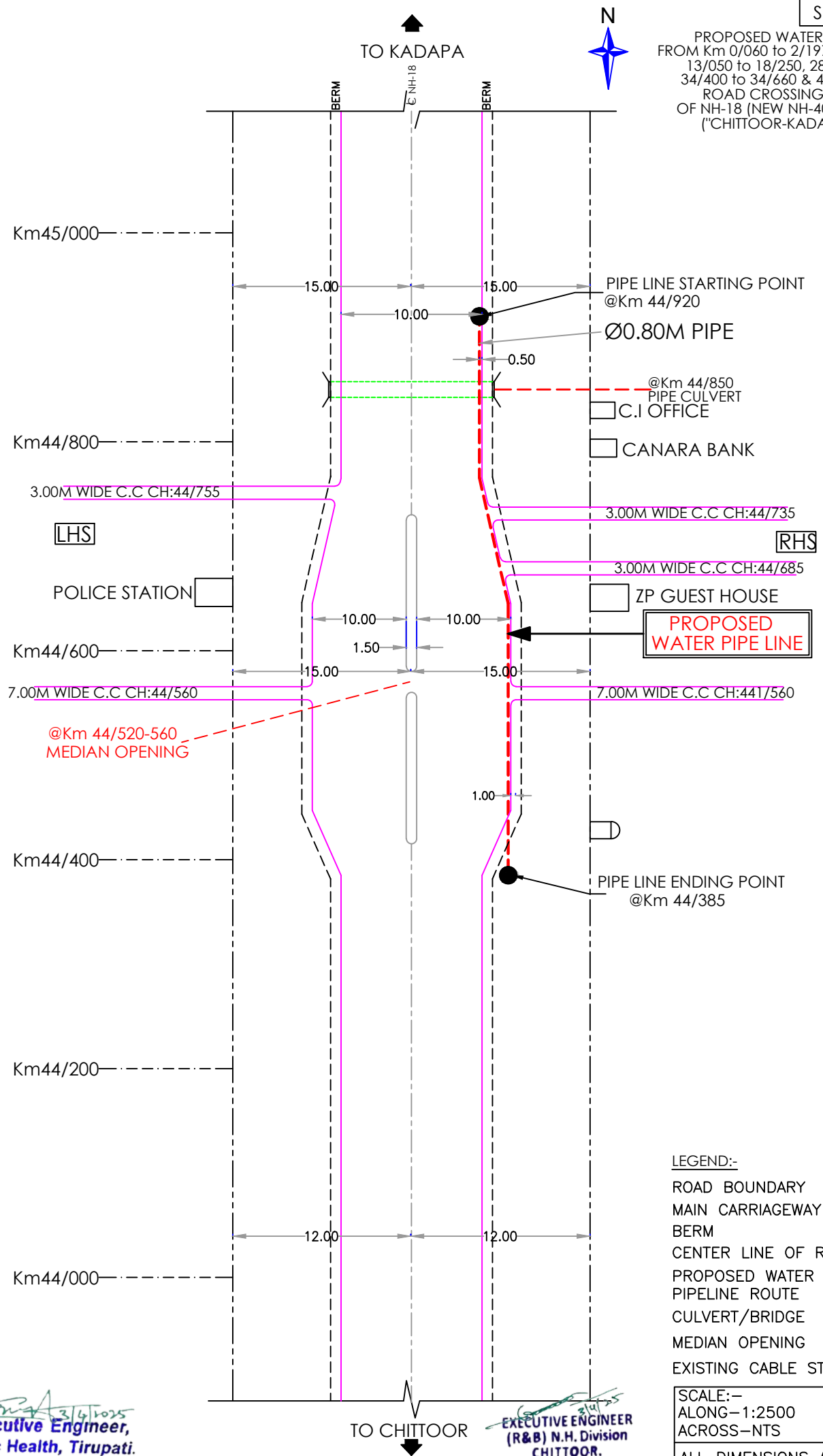
ALL DIMENSIONS ARE IN METERS

Executive Engineer,  
Public Health, Tirupati.

PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197.2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



PROPOSED WATER PIPE LINE  
FROM Km 0/060 to 2/197,2/861 to 12/450,  
13/050 to 18/250, 28/165 to 28/290,  
34/400 to 34/660 & 44/385 to 44/920  
ROAD CROSSINGS@Km 11/400  
OF NH-18 (NEW NH-40) ON LHS & RHS  
("CHITTOOR-KADAPA" SECTION)



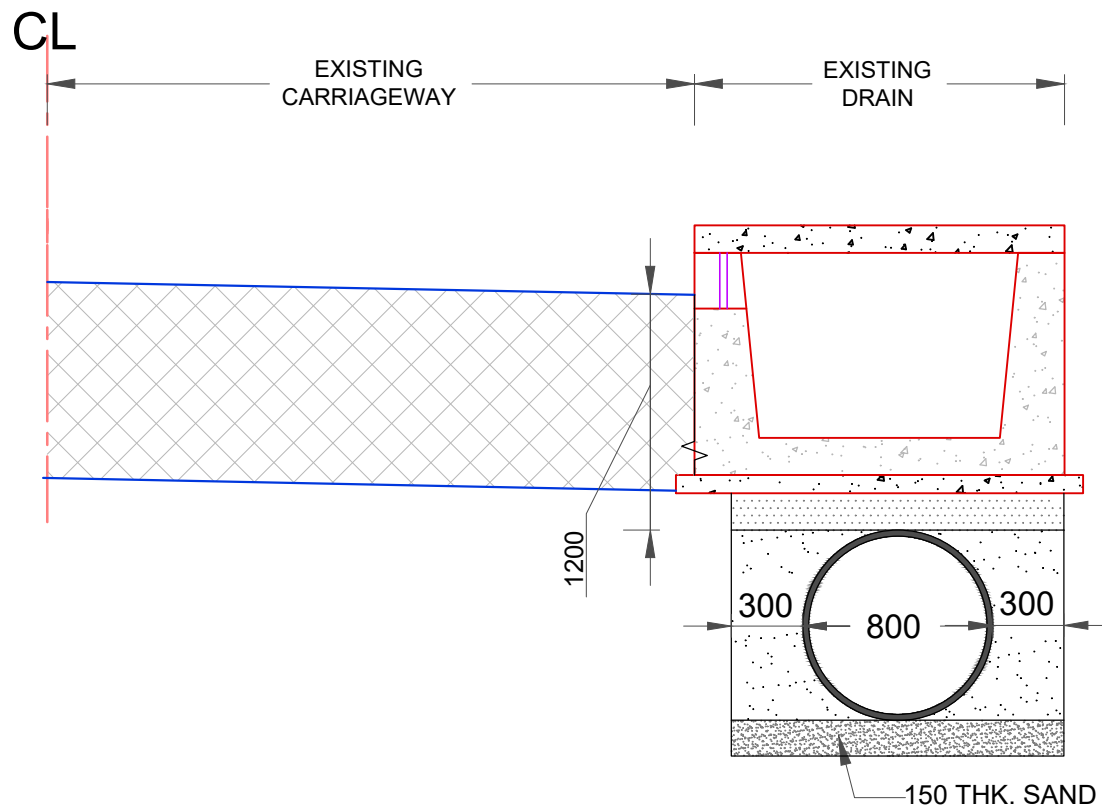
## LEGEND:-

ROAD BOUNDARY	----
MAIN CARRIAGEWAY	=====
BERM	----
CENTER LINE OF ROAD	----
PROPOSED WATER PIPELINE ROUTE	----
CULVERT/BRIDGE	=====
MEDIAN OPENING	=====
EXISTING CABLE STONE	□

SCALE:-  
ALONG-1:2500  
ACROSS-NTS

ALL DIMENSIONS ARE IN METERS





1) TYPICAL CROSS SECTION SHOWING PIPE LINE UNDER DRAIN

*[Signature]*  
**Executive Engineer,**  
**Public Health, Tirupati.**

*[Signature]*  
**EXECUTIVE ENGINEER**  
**(R&B) N.H. Division**  
**CHITTOOR.**

	Chainage		Length	Side
	From	To		
Chittoor	60	111	51	LHS
	111	120	9	LHS
	120	170	50	LHS
	170	205	35	LHS
	205	287	82	LHS
	287	317	30	LHS
	317	510	193	LHS
	510	725	215	LHS
	725	884	159	LHS
	884	1029	145	LHS
	1029	1055	26	LHS
	1055	1130	75	LHS
	1130	1241	111	LHS
	2102	2197	95	LHS
	2861	2907	46	LHS
Doddipalli	2907	2922	15	LHS
	2922	3319	397	LHS
	2861	2907	46	LHS
	2907	2922	15	LHS
	2922	3319	397	LHS
	3856	3987	131	LHS
	3987	4350	363	LHS
Bandapalli	7662	8258	596	LHS
	10860	11400	540	LHS
Rangampeta	16145	16715	570	RHS
	17630	18150	520	RHS
			<b>4912.00</b>	
Paturu	28165	28290	125	RHS
Damalcheruvu	34400	34660	260	RHS
Kalluru	44385	44920	535	RHS
			<b>920.00</b>	

REV.	DESCRIPTION OF REVISIONS	DATE	CLIENT:	DESIGN CONSULTANTS:	PROJECT :	TITLE:
			ROADS & BUILDINGS DEPARTMENT GOVT. OF ANDHRA PRADESH	<b>PVR</b> PVR CONSULTING ENGINEERS PVT. LTD. # MIG 192 & 193, Flat No. 301, 3rd Floor, Krishna Apartments, Road No.1, KPHB Colony, Kukatpally, Hyderabad, Telangana-500072.	Permission for laying water pipeline from Km.0/000 to Km.18/200 of NH-18(NH-40) Chittoor Water Supply scheme with Adavipalli reservoir as source under AMRUT 1.0	<b>TYPICAL CROSS SECTIONS DRAWINGS</b>  DETAILS: <b>TCS-1</b>  DATE:      SCALE: <b>N.T.S</b> DRAWING NO.: <b>CHITTOOR/TCS/01</b> REV: <b>RO</b>
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						