



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क्र.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८. आंध्र प्रदेश

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

टेली / Tele : 0866-2483910

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nhairovja@gmail.com



भारतमाला  
प्रगति के पथ पर अग्रसर  
BHARATMALA  
ROAD TO PROSPERITY

Lr.No. NHA/RO-VJA/12034-23/2019-20/163

Dt.20.01.2020

### INVITATION OF PUBLIC COMMENTS

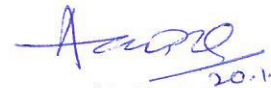
**Sub: RO - Vijayawada** - Permission for laying of 6", API 5L Gr.X-52, 6.4mm Thick, 3LPE Coated Carbon Steel Pipeline for service of Natural Gas along NH-216A from Km.907.000 to Km.914.230 for a length of 7,230 meters and across at Km.914.320 for a length of 60 meters (Total Length 7290 meters) in Rajamahendravaram towards Vijayawada of East Godavari District of Andhra Pradesh - Public Comments - Reg.

The Project Director, PIU - Rajamahendravaram submitted a proposal of M/s. Godavari Gas Private Limited for laying of 6", API 5L Gr.X-52, 6.4mm Thick, 3LPE Coated Carbon Steel Pipeline for service of Natural Gas along NH-216A from Km.907.000 to Km.914.230 for a length of 7,230 meters and across at Km.914.320 for a length of 60 meters (Total Length 7290 meters) in Rajamahendravaram towards Vijayawada of East Godavari District of Andhra Pradesh in Sidhantam - Gundugolanu Section of NH-16.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22<sup>nd</sup> November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address.

Regional Officer - Vijayawada,  
National Highways Authority of India,  
Plot No.21, Teachers' Colony, Gurunanak Nagar Road,  
Vijayawada, Andhra Pradesh. Pin: 520 008.  
Email: [rovijayawada@nhai.org](mailto:rovijayawada@nhai.org)

  
20.1.2020  
(Anil Dixit),  
Regional Officer  
RO - Vijayawada





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई - PROJECT IMPLEMENTATION UNIT

डोर नं. 78-14-21, श्यामला नगर, राजमहेन्द्रवरम - 533 103. आं.प्र.

Door No. : 78-14-21, Shyamala Nagar, RAJAMAHENDRAVARAM - 533 103, A.P.



भारतमाला  
प्रगति के पथ पर अग्रसर  
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दूरभाष / Phone: 0883 - 2431170

0883 - 2437832

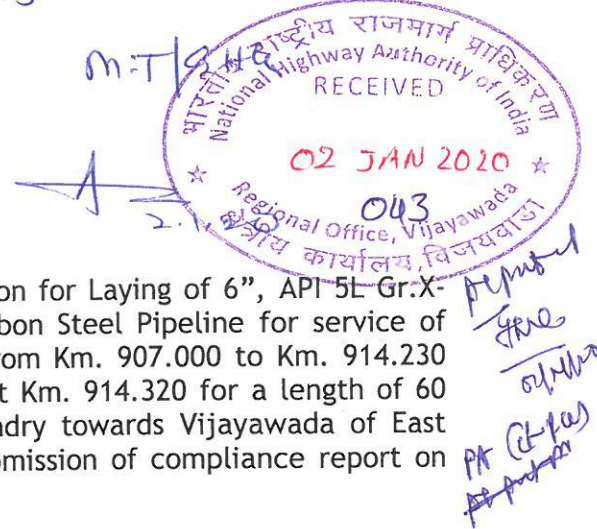
ई-मेल / e-mail : raj@nhai.org  
piurajahmundry@gmail.com

No: NHAI/PIU-RJY/GGPL-GPL/7290m/2019/ 24815

31<sup>st</sup> December, 2019

To:

The Regional Officer,  
National Highways Authority of India,  
Regional Office, 21, Teachers' Colony,  
Gurunanak Nagar Road,  
Vijayawada-520 008.



Sub: NHAI, PIU, Rajamahendravaram - Permission for Laying of 6", API-5L Gr.X-52, PSL2, 6.4mm Thick, 3LPE Coated Carbon Steel Pipeline for service of Natural Gas along NH-216A (Old NH-16) from Km. 907.000 to Km. 914.230 for a length of 7,230 meters and across at Km. 914.320 for a length of 60 meters (Total: 7290 meters) in Rajahmundry towards Vijayawada of East Godavari District of Andhra Pradesh - Submission of compliance report on the observations - Approval - Reg.

- Ref: 1. Letter No. GGPL/RJY/CSPL/PERMISSION/NHAI/2019/1 Dt. 23.07.2019 of M/s. Godavari Gas Pvt., Ltd., Rajamahendravaram.
2. This office letter No. NHAI/PIU-RJY/GGPL-GPL/7290m/2019/24536 Dt. 20.11.2019.
3. RO, NHAI, Vijayawada Letter No. NHAI/RO-VJA/12034-23/2019-20/2760 Dt. 11.12.2019.
4. Letter No. GGPL/RJY/CSPL/PERMISSION/NHAI/2019/2 Dt. 30.12.2019 of M/s. Godavari Gas Pvt., Ltd., Rajamahendravaram.

Sir,

- Please refer to this office letter 2<sup>nd</sup> cited wherein the subject proposal, as submitted by M/s. Godavari Gas Pvt., Ltd., vide reference 1<sup>st</sup> cited was forwarded and requested for approval of the Competent Authority.
- In reply to the above, the RO, NHAI, Vijayawada vide reference 3<sup>rd</sup> cited made certain observations on the proposal and requested to submit the compliance report.
- Accordingly, the Agency, M/s. GGPL has submitted the compliance report on the observations made by RO, Vijayawada, which are tabulated as below.

S. No.	Observations	Reply
(i)	Number of blanks are observed in the Check-list against Sl. No. 1.7 (a) & (b), 8, 12 & 13 etc., and no suitably filled up as per the supporting documents provided along with the proposals against Sl. No. 1.14, 1.15, 1.19 (b) (c) (h), 2.2, 2.4.2 etc.,	The Revised Check List, duly complying the observations, as submitted by the Agency is herewith enclosed.

Building a Nation, Not Just Roads

निगमित कार्यालय जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075, वेब साइट : <http://www.nhai.org>

Corporate Office : G-5 & 6, Sector-10, Dwarka, NEW DELHI - 110 075, Website : <http://www.nhai.org>

S. No.	Observations	Reply
(i)	Further the clear cover to pipe line shall be at 1.40m. In this regard, being a gas pipeline, it is requested provided the traffic load distribution on to the proposed gas pipeline and the sustaining capacity / design capacity of such pipeline to the traffic loads.	<p>The Agency vide reference 4<sup>th</sup> cited informed that as per STD, API Recommended Practice 1102 Sixth Edition, April, 1993 for Steel Pipeline crossing Rail Roads and Highways, the minimum cover of carrier pipe shall be 1.2mtrs., as measured from the top of the pipe to the top of the surface. (copy enclosed). However, the proposed pipeline shall be laid at a depth of 1.5 mtrs.,</p> <p>Further, the Agency informed that the thickness of the proposed pipeline being laid is 6.4mm which is much higher than the thickness of the required casing pipe. Proposed Pipeline crossing shall be uncased to prevent potential difficulties associated with protecting cased pipeline from corrosion.</p>

4. The Agency informed that 6", API 5L Gr.X-52, PSL2, 6.4mm Thick, 3LPE Coated Carbon Steel Pipeline is proposed to be laid instead of 4", API 5L Gr.X-52, PSL2, 6.4mm Thick, 3LPE Coated Carbon Steel Pipeline, considering latest assessment of high potential in the town of Rajahmundry, which may be considered.
- 5 In view of the above, the proposal submitted by M/s. Godavari Gas Pvt., Ltd., Rajamahendravaram is herewith recommended for favourable consideration and according necessary approval.

Thanking you,

Yours faithfully,

  
(A. Srinivasa Rao)  
Project Director

Encl: 2 files (1 Original +1 Duplicate)







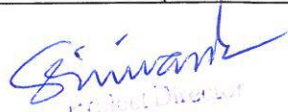
## CHECK LIST

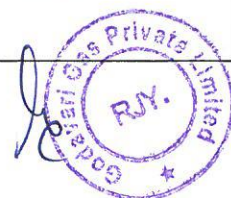
## ( National Highway - 16)

Guidelines for processing the proposal for laying Utility/Gas Line in the land along National Highway vested with NHAI/PWD/BRO

S. No.	Item	Information/ status Crossing - 1	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	M/s Godavari Gas Private Limited, 85-6-23/2, Morampudi Junction, RTC complex road, Rajahmundry	G. Ankaiah, Dy.General Manager (CGM) Office No. 08832476111
1.2	National Highway Number	16	Chennai - Kolkatta Highway
1.3	State	Andhra Pradesh	
1.4	Location	Rajamundry, East Godavari (D)	
1.5	(Chainage in km)	CH 907.00 KM to CH 914.23 KM	Towards Visakhapatnam
1.6	Length in Meters	7,230 Mtrs	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/ km direction.	Not Available	
	(b) Right side from center line towards increasing chainage/ km direction.	Detailed Drawing indicating width of ROW along applied chainage is attached as Annexure.	
1.8	Proposal to lay underground electrical cable.	Not Applicable	
	(a) Left side from center line towards increasing chainage/ km direction.	Not Applicable	
	(b) Right side from center line towards increasing chainage/ km direction.	Not Applicable	
1.9	Proposal to acquire land	Not Applicable	
	(a) Left side from center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.10	Whether proposal is in the same side where land is not to be acquired.	Not Applicable	
	If not then where to lay the cable.	Not Applicable	
1.11	Details of already laid services, if any, along the proposed route.	Detailed Drawing indicating width of ROW along applied chainage is attached as Annexure.	
1.12	Number of existing lanes (2 / 4 / 6 / 8 lanes)	4	
1.13	Proposed Number of lanes (2 lane with paved shoulders 4/6 / 6/8 lanes)	Not Applicable	
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	No	
	(b) Right side from center line	Yes	
1.15	Proposed Service road	No	
	(a) Left side from center line	No	
	(b) Right side from center line	No	
1.16	Whether proposal to lay Gas Pipe line is after the service road or between the service road and main carriageway.	Gas Pipeline to be laid after the service road.	
1.17	Whether carrying of sewage/gas pipeline has been proposed on highway Bridges. If Yes, then mention the methodology proposed for the same.	No	  <b>NHAI-PIU</b> <b>RAJAMAHENDRAVARAM.</b>

1.18	Whether carrying of sewage/gas pipeline has been proposed on the parapet/ any part of bridges. If Yes, then mention the methodology proposed for the same.	No	
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.	As the CS pipeline is laid at depth of more than 1.5 mtrs, Casing is not provided to prevent corrosion of the CS Pipeline.	
	(a) Whether existing drainage structures are allowed to carry the utility pipelines.	NA	
	(b) Is it on a line normal to NH	Yes	
	(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.	There is no existing utilities, structures in the proposed crossing location.	
	(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.	Not Applicable	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Not Applicable	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	Not Applicable	
	(g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	Not Applicable	
	(h) Mention the methodology proposed for crossing of road for proposed Sewage/Gas Pipeline. Crossing shall be by boring method (HDD) (Trench Less Technology) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Crossing shall be done by HDD/Trench less Technology method	
	(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.	Not Applicable	
2	Document / Drawings enclosed with the proposal		

  
 Project Director  
 NHAI-PIO  
 RAJAMAHENDRAM

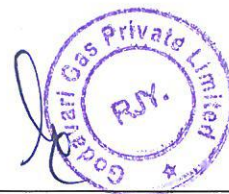




2.1	<p>Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deepX 0.3m wide)</p> <p>(i) Should not be greater than 60 Cm wider than the outer diameter of the pipe.</p> <p>(ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.</p> <p>(iii) Shall not be permitted to run along the National Highways 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 at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.</p>	Enclosed	
2.2	Cross section showing the size of pit and location of cable for HDD method.	Enclosed	
2.3	Strip plan/ Route Plan showing Gas pipe line, Chainage, width of ROW. Distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Not Applicable	
2.4	Methodology for laying of Sewage/Natural gas pipe line.		
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	Yes	Pipeline laying shall be carried out by HDD where open trenching method is not possible.
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes	
	(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 excavated and replaced by selected material.	Yes	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes	
	d) The sidefill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering 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	

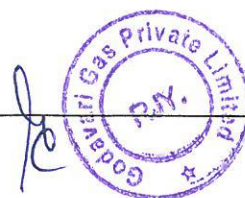
*[Signature]*

Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM




	(e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Yes	
	(f) The excavation shall be protected by flagman. Signs and barricades. and red lights during night hours.	Yes	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utilit line	Yes	
2.4.2	Horizontal Directional Drilling (HDD) Method.	Yes	
2.4.3	Methodology for laying of Pipeline through CD works and method of laying. Incase where the carrying of gas pipe line on the bridge becomes inescapable.	Not Applicable	
3	Draft License Agreement signed by two witnesses.	Enclosed	
3.1	The licensee fee estimate as per Ministry's guidelines issues vide circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.	GGPL agrees for the same as per requirement of NHAI	
4	Whether Performance Bank Guarantee as per Ministry's Circular no. RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016 is obtained.	GGPL agrees for the same as per requirement of NHAI	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines	GGPL agrees for the same as per requirement of NHAI	
5	Affidavit / Undertaking from the applicant for the following is to be furnished:		
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	
5.3	Undertaking for Confirmation all standard condition of Ministry Circulars & NHAI's guideline	Yes	
5.4	Underataking for indemnity against all damages and claims.	Yes	
5.5	Underataking for management of traffic movement during laying of utility line without hampering the	Yes	
5.6	Undertaking if any claim is raised by the concessionaire/ contractor then the same has to be paid by the applicant	Yes	
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the utility located in the National Highway right-of-ways.	Yes	

  
 Project Director  
 NHAI-PIU  
 RAJAMAHENDRAVARAM.





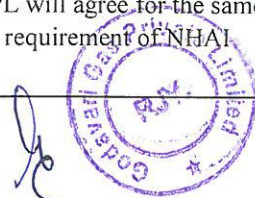
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, Maintenance or shifting of the utility line will be borne by the applicant agency owing	Yes	
5.9	Undertaking that text of the text of the license deed is as per verbatim of MoRTH format (issued vide Ministry's Circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016	Yes	
5.10	Undertaking that the applicant has obtained various safety clearances from the respective authorities such as Directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration.	Yes	Authorization From Petroleum & Natural Gas Regulatory Board for development of CGD & Natural Gas Network in East Godavari District geographical area obtained. Copy Enclosed.
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format (i) Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) "We do undertake that I/we will relocate service road/approach road/utilities at my own cost not with standing the permission granted within such time as will be stipulated by NHAI for future six- lanning or an other development.	Yes	Enclosed
6	Who will sign the agreement on behalf of Gas pipe line agency.	Dy. General Manager(CGM), GGPL	
	Power of attorney to sign the agreement on behalf of Gas pipe line agency.	NA	
7	Certificate from the project Director		
7.1	Certificate that the proposal is confirming to all standards conditions issued vide Ministry's Circular No: RW/NH-33044/29/2015/S&R(R) Dated 22.11.2016.	Yes	Enclosed

  
 Project Director  
 NHAI-PIU  
 RAJAHMUNDRAPAM



7.2	<p>Certificate from PD in the following format (Yes/No)</p> <p>(i) "It is certified that any other location of the Pipe Line would be extremely difficult and unreasonable costly and the installation of Gas pipe line within ROW will not adversely affect the design, stability &amp; traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc".</p> <p>(ii) for 6 -laning</p> <p>(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location".</p> <p>(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".</p>	Yes	Enclosed
8	If NH section proposed to be taken up by NHAI on TOT basis, "The permitted Highway on which Licensee has been granted the right to lay Pipeline has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of Diwancheruvu - Gundugolanu section from Km 901.500 to Km 1022.494 of NH No. 216-A on TOT Basis and therefore, the licensee shall honour the same."	Required clause included	
9	Who will supervise the work of laying of gas supply pipe line.		
	(a) On Behalf of Applicant	Dy. General Manager(CGM), GGPL	
	(b) On Behalf of MoRTH/NHAI	Project Director - NHAI	
10	Who will ensure that the defects in road portion after laying of gas Supply pipe line are corrected and if not corrected then what action will be taken.		
	(a) On Behalf of Applicant	Dy. General Manager(CGM), GGPL	
	(b) On Behalf of MoRTH/NHAI	Project Director - NHAI	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	M/s Godavari Gas Private Limited	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Enclosed	M/s GGPL will agree for the same as per requirement of NHAI

*[Signature]*  
Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM



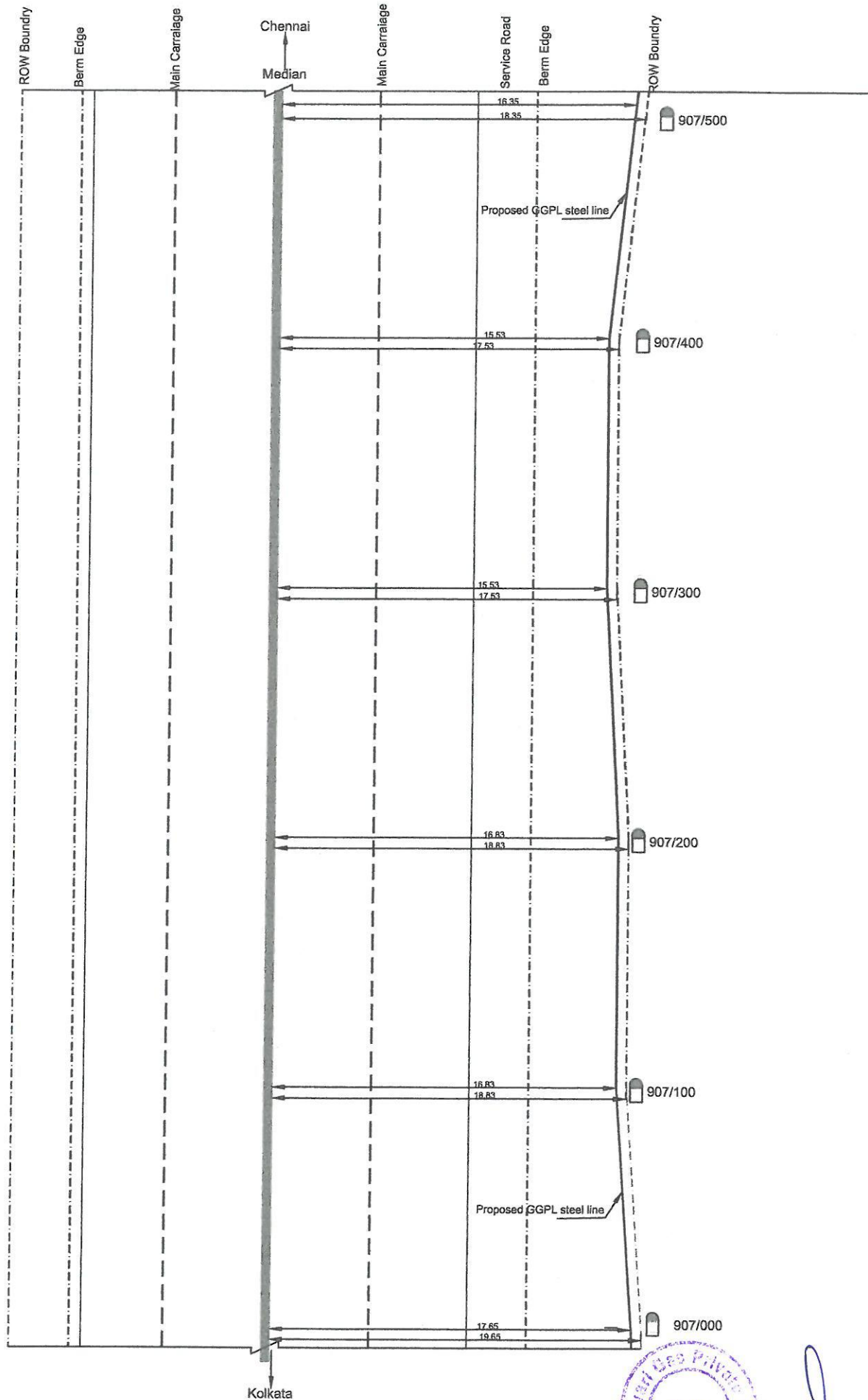
13	If any previous approval is accorded for laying of underground Gas Supply Pipe line then Photocopy of register of records of permissions accorded (as maintained by PD) then copy be enclosed.	Enclosed	M/s GGPL will agree for the same as per requirement of NHAI
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Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM.

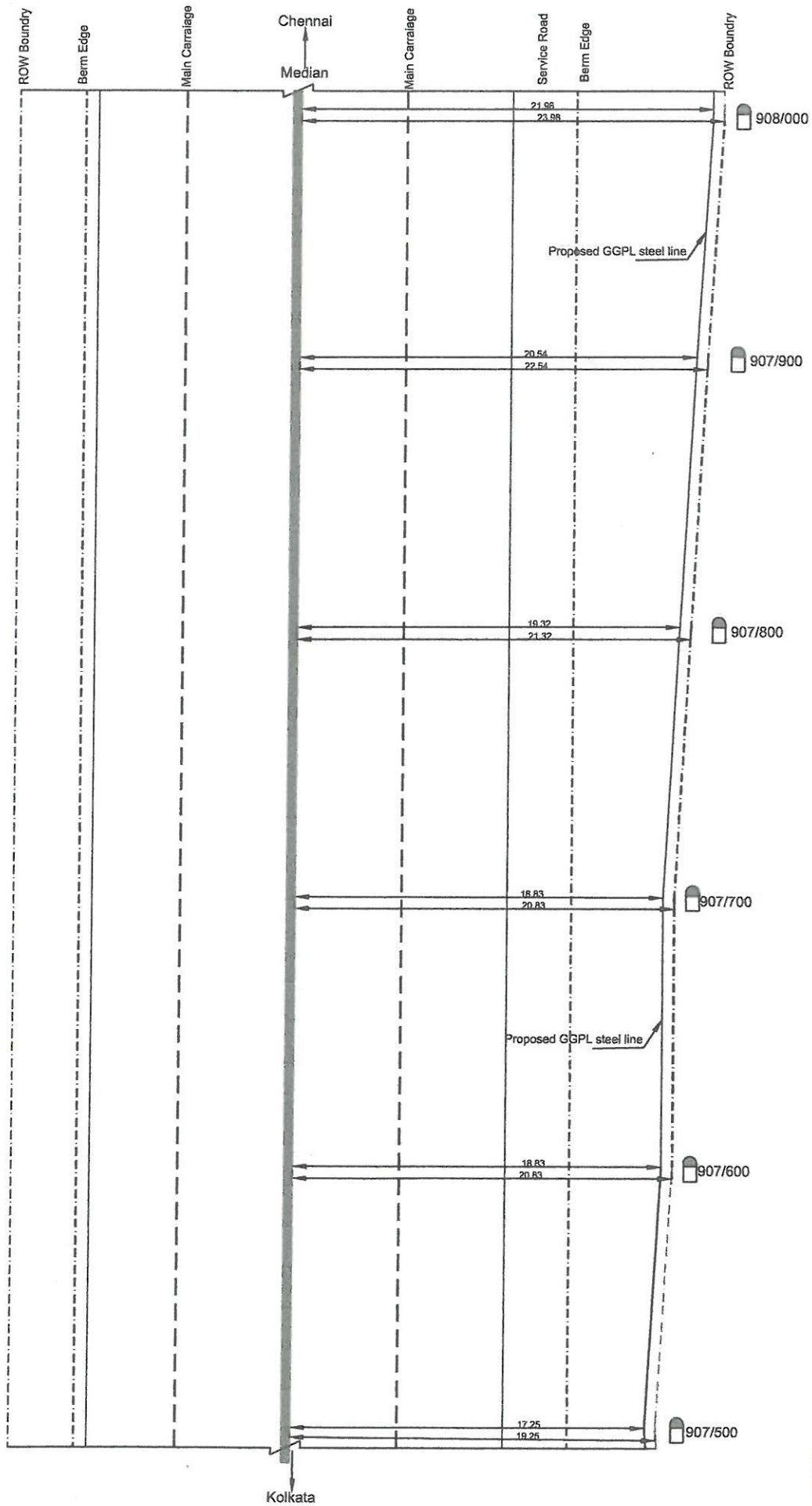
  
**G. ANKAIAH**  
Deputy General Manager (CGM)  
Godavari Gas Private Limited  
(A Joint Venture of APGDC & HPCL)  
RAJAMAHENDRAVARAM.



# ROW PLAN FOR BOMMURU - LALACHERUVU

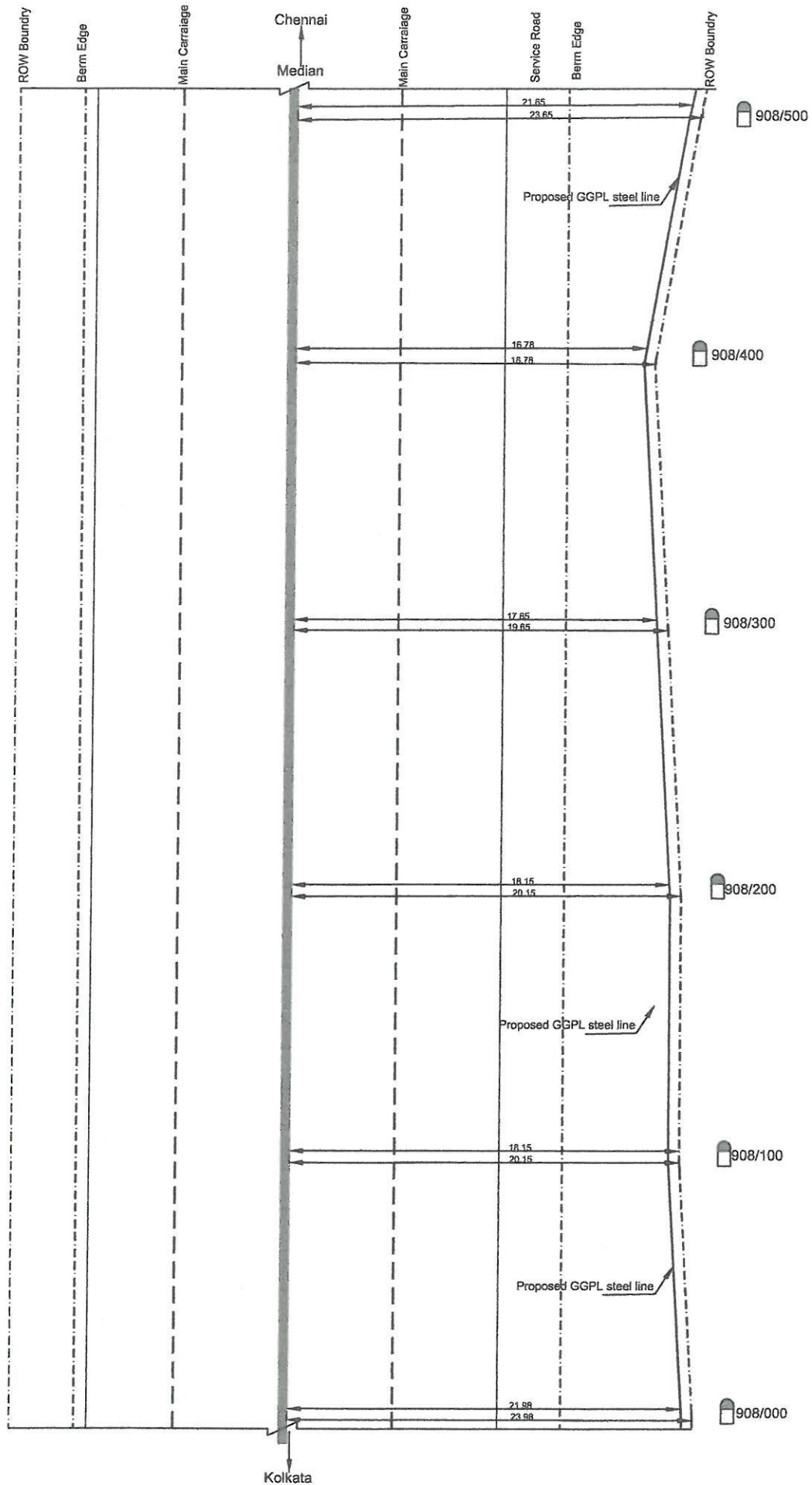


# ROW PLAN FOR BOMMURU - LALACHERUVU

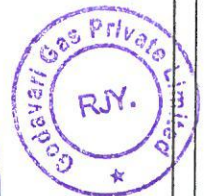
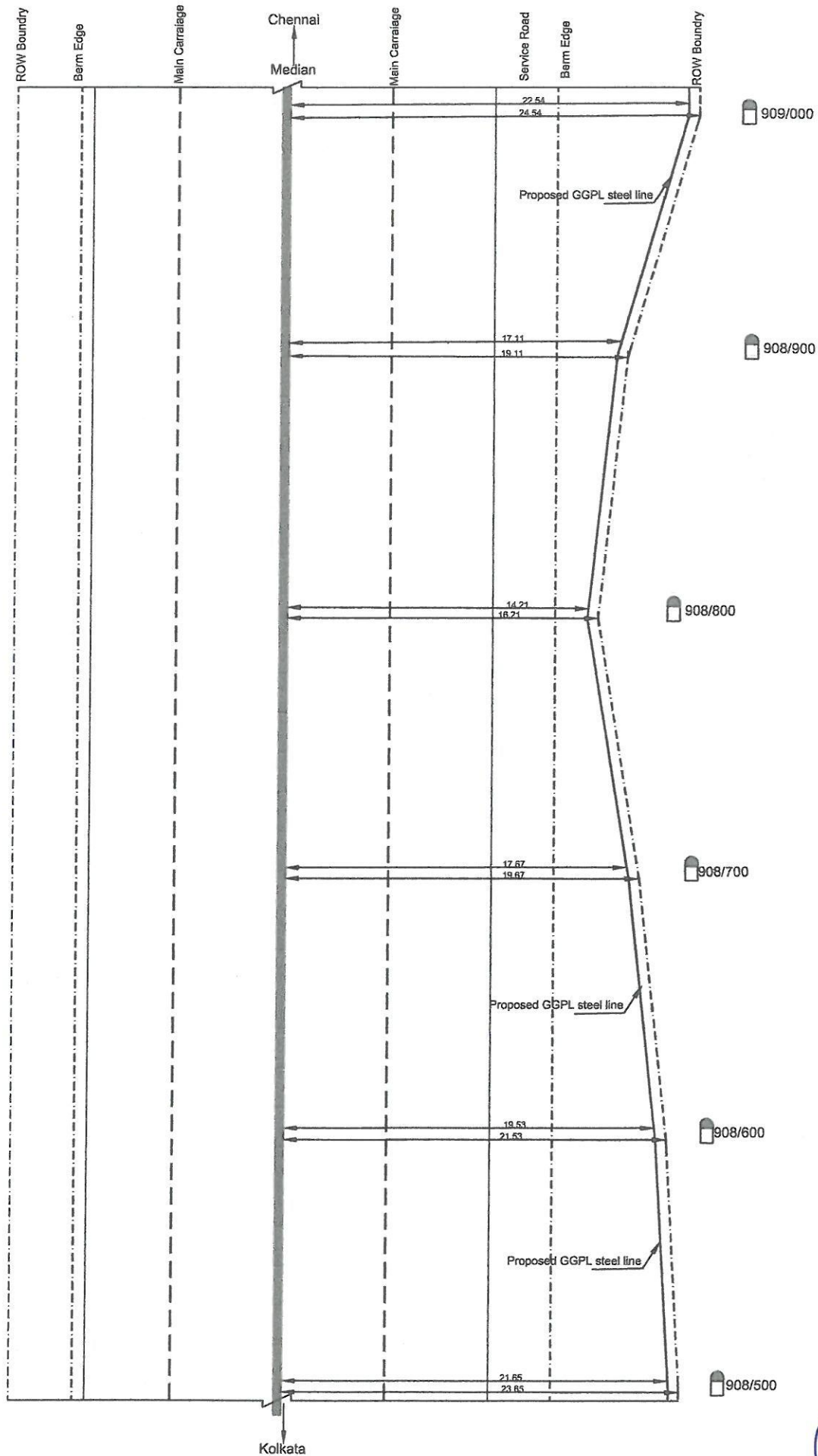




# ROW PLAN FOR BOMMURU - LALACHERUVU

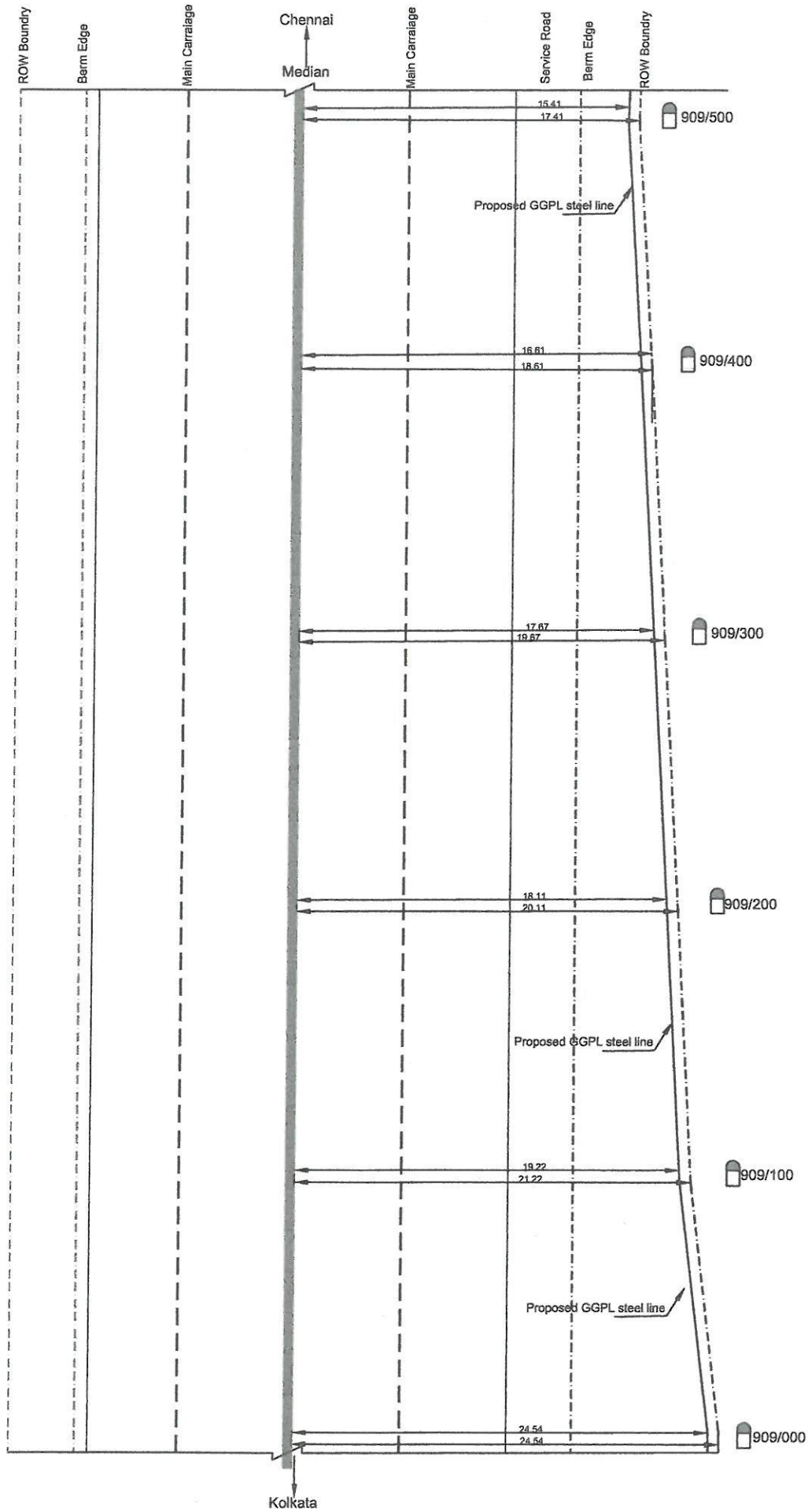


# ROW PLAN FOR BOMMURU - LALACHERUVU

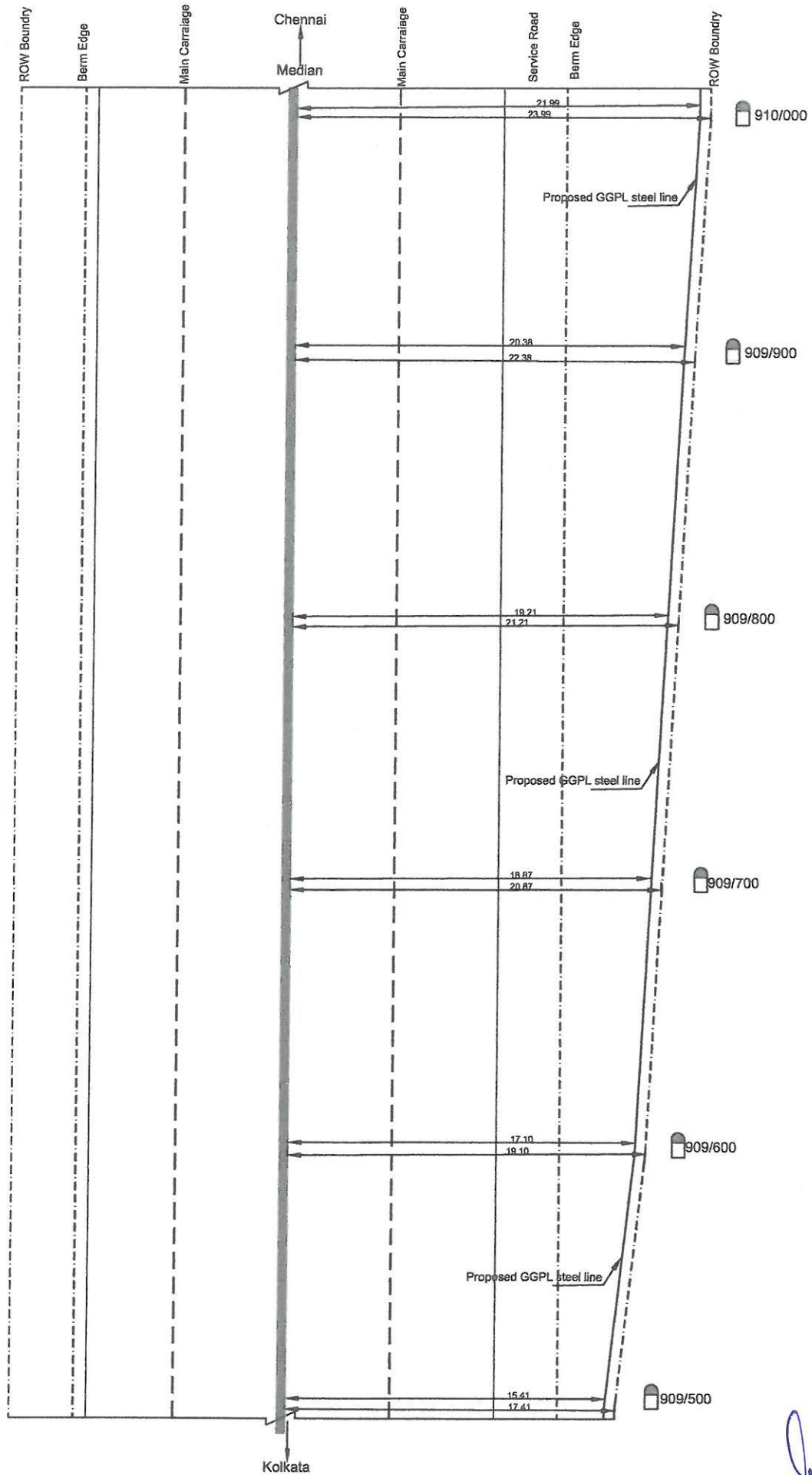




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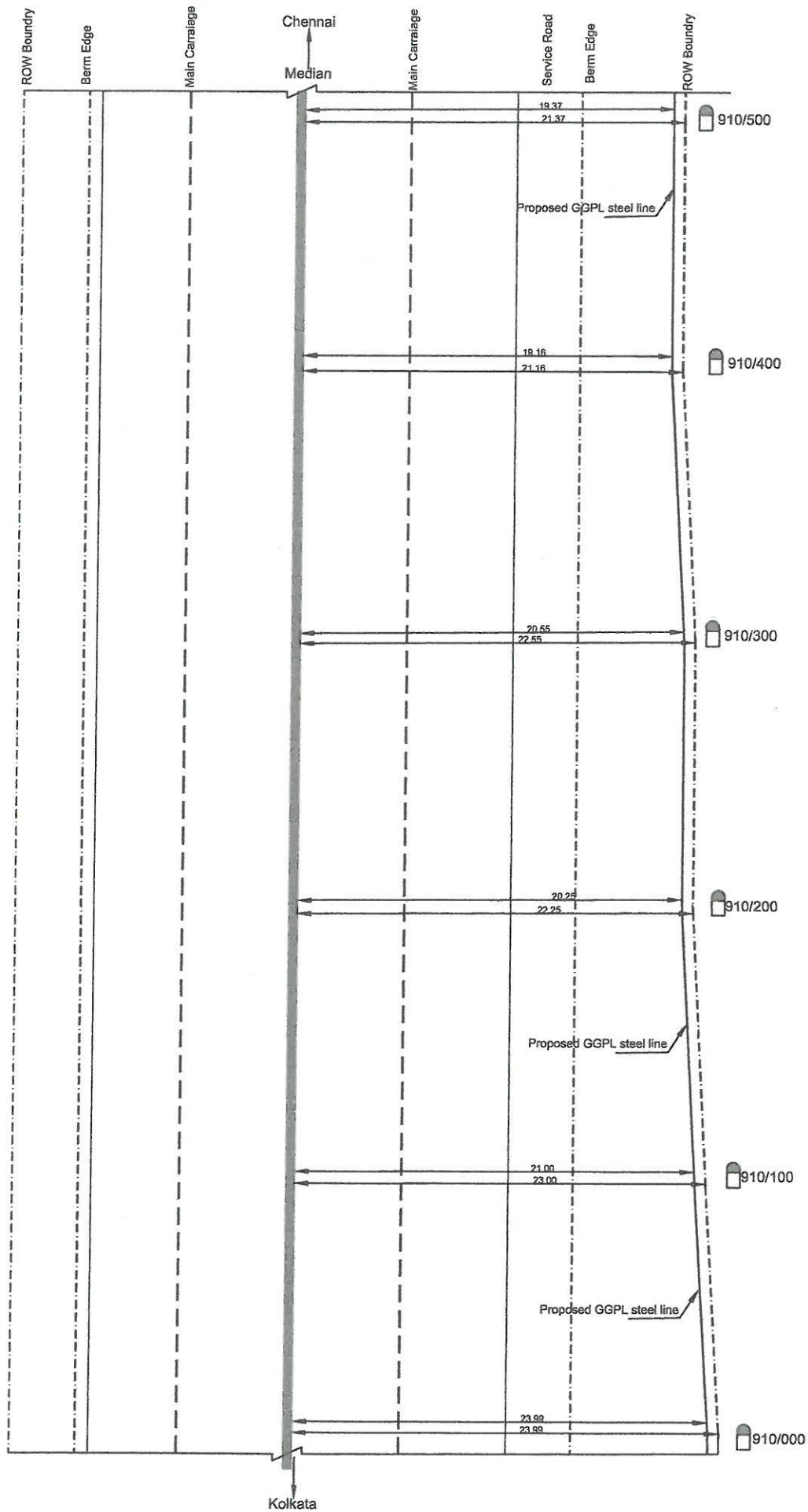


# ROW PLAN FOR BOMMURU - LALACHERUVU

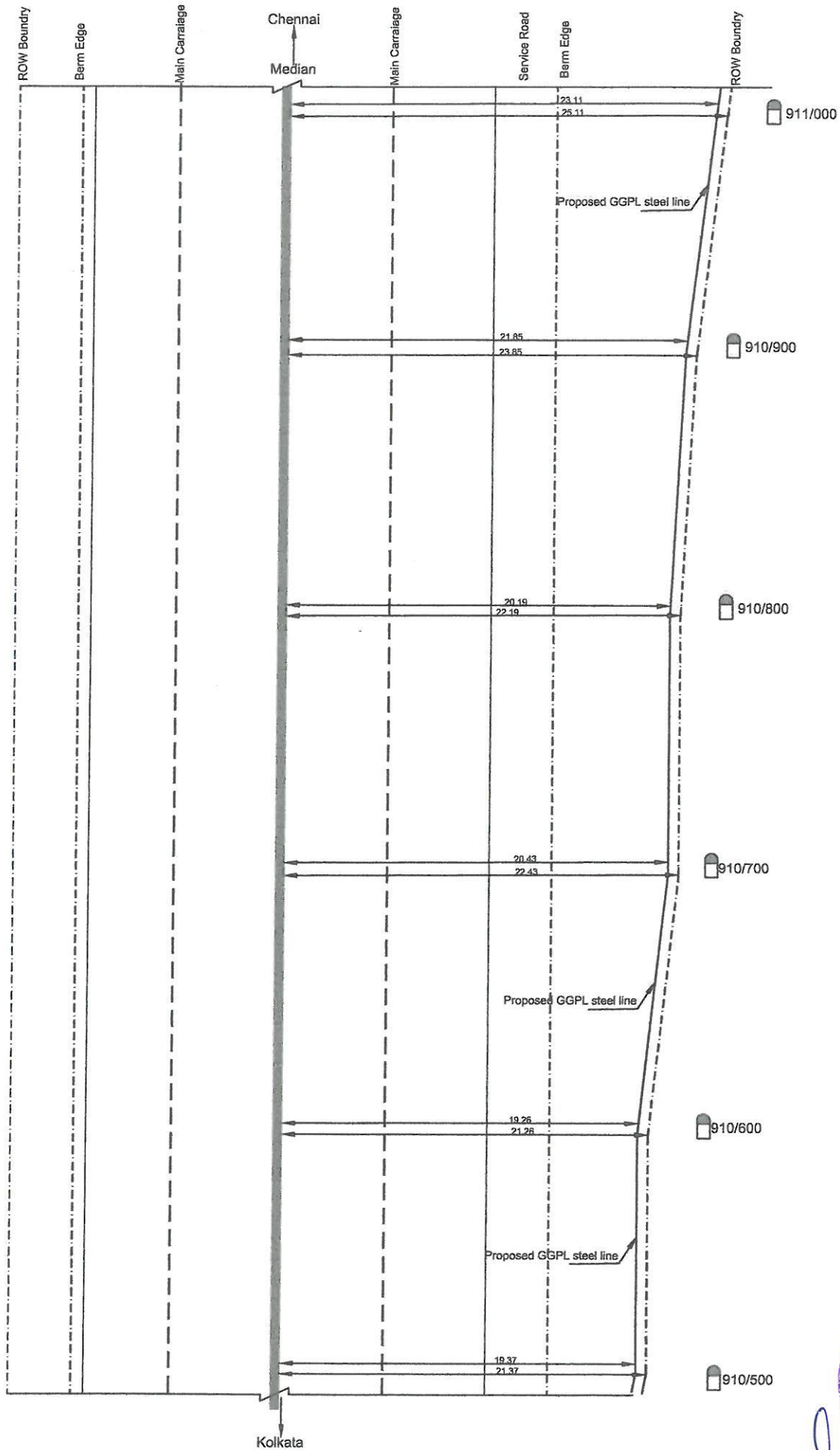




# ROW PLAN FOR BOMMURU - LALACHERUVU



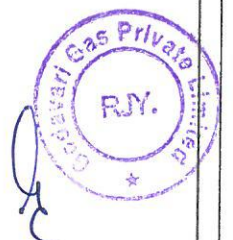
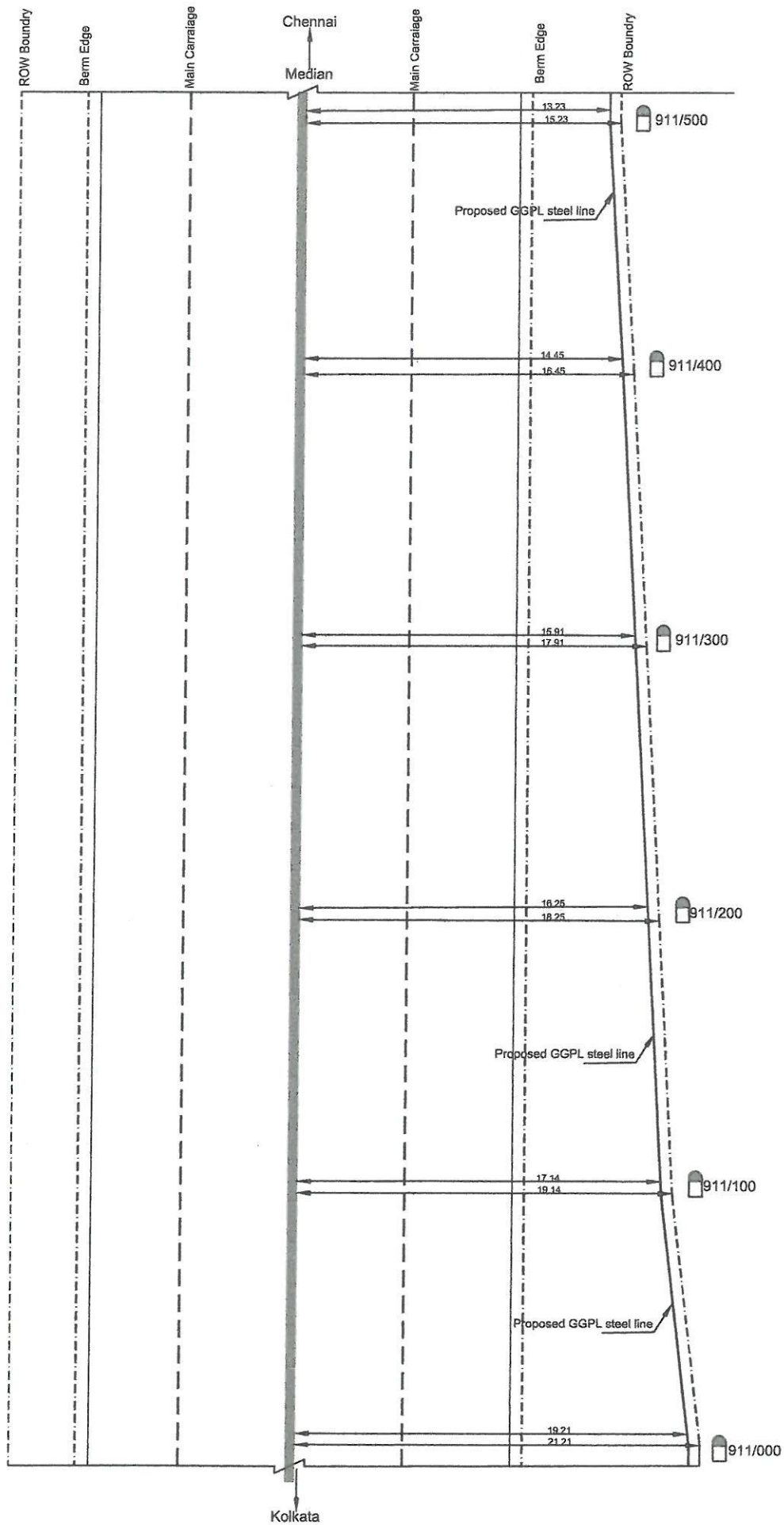
# ROW PLAN FOR BOMMURU - LALACHERUVU



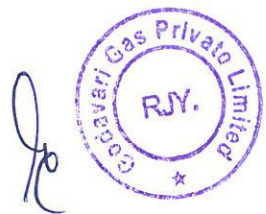
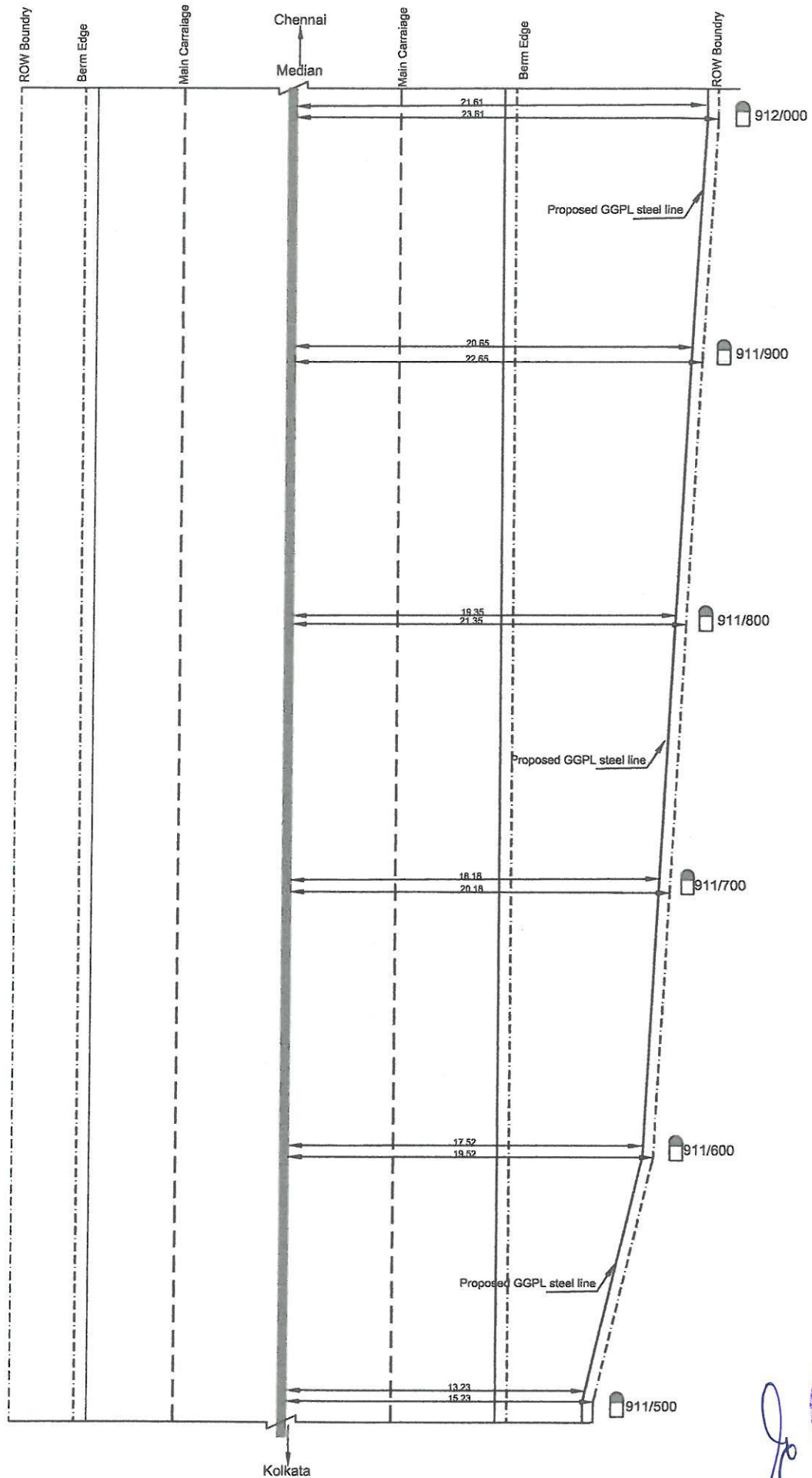
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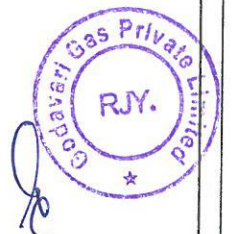
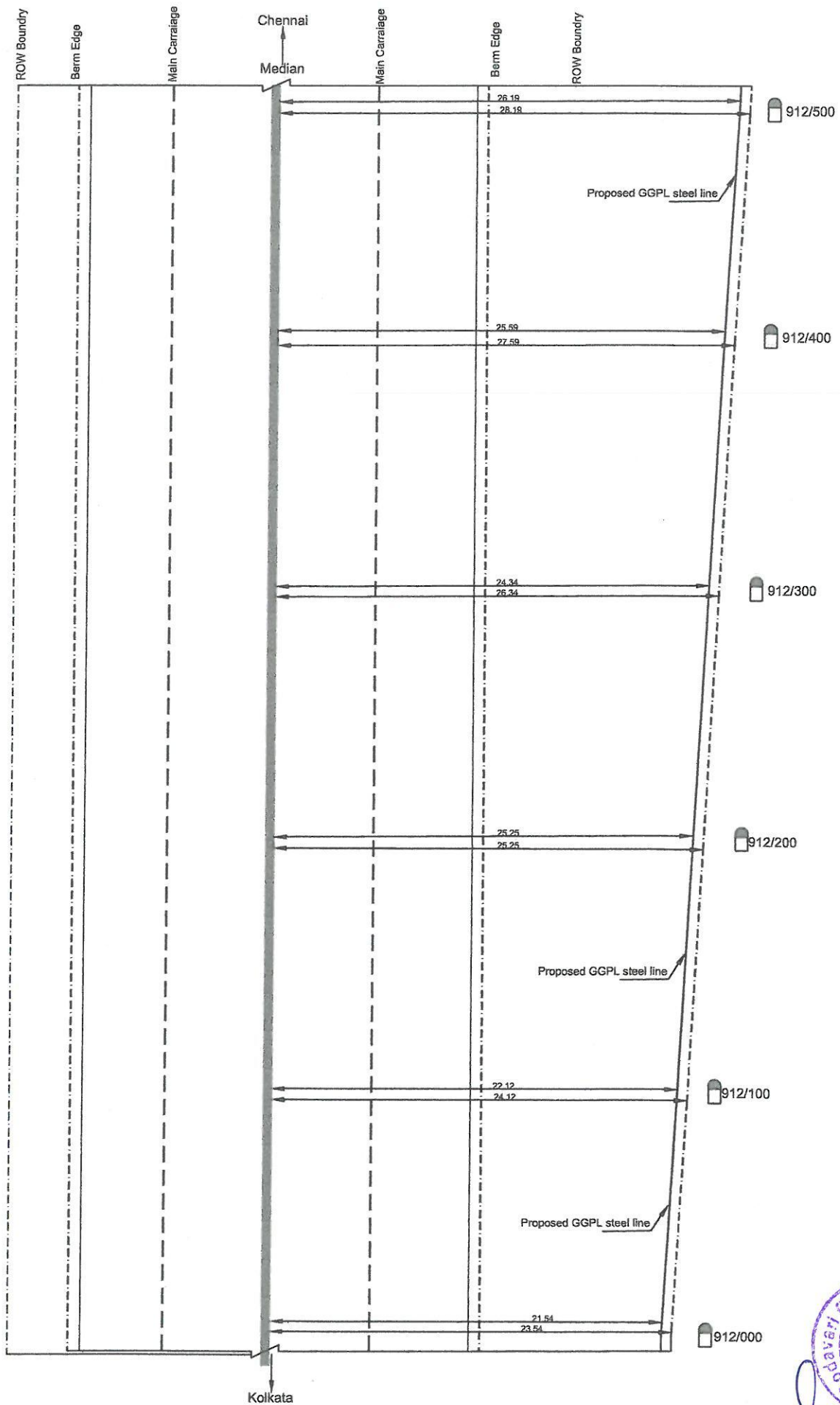
# ROW PLAN FOR BOMMURU - LALACHERUVU



# ROW PLAN FOR BOMMURU - LALACHERUVU

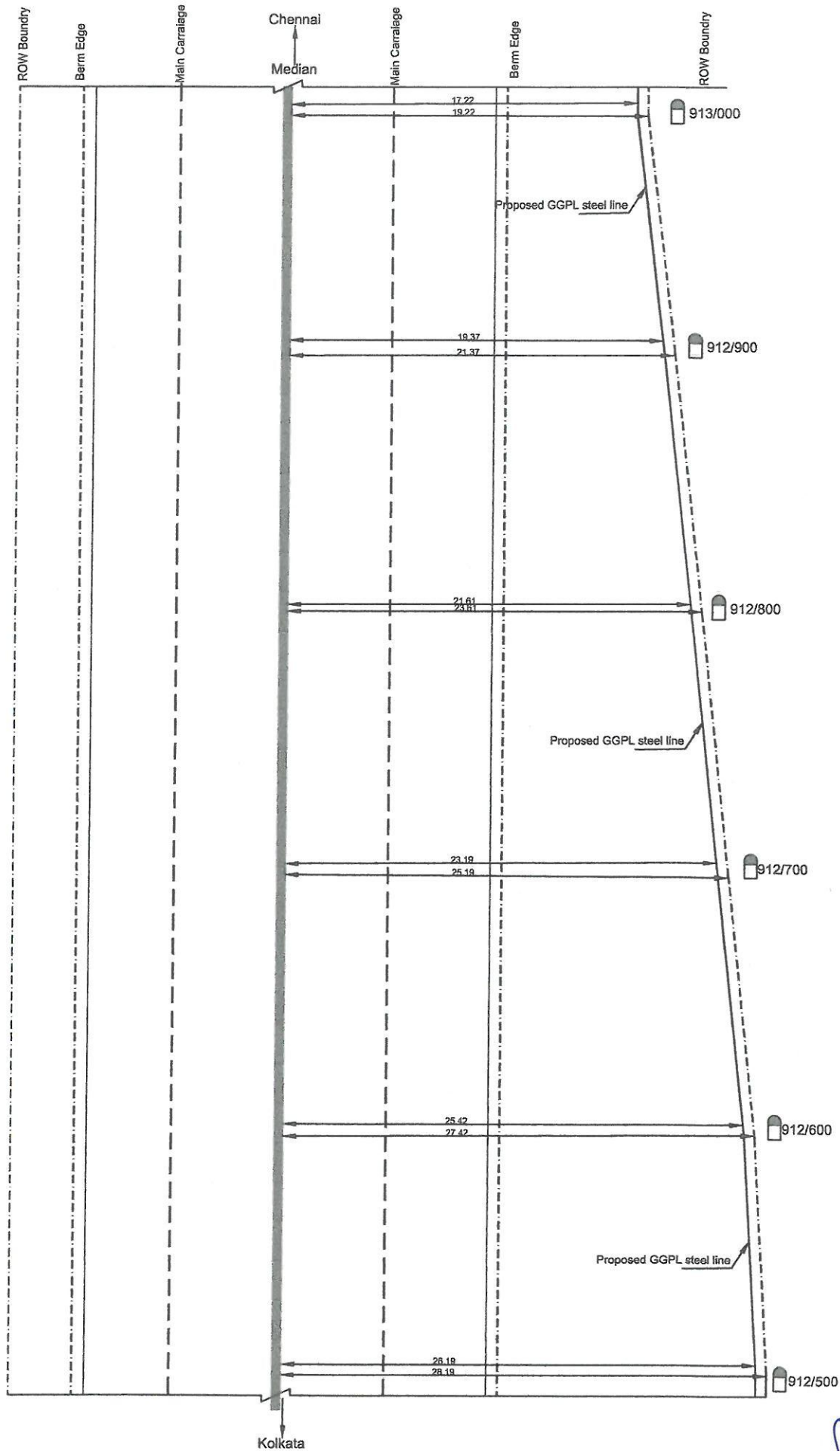


# ROW PLAN FOR BOMMURU - LALACHERUVU

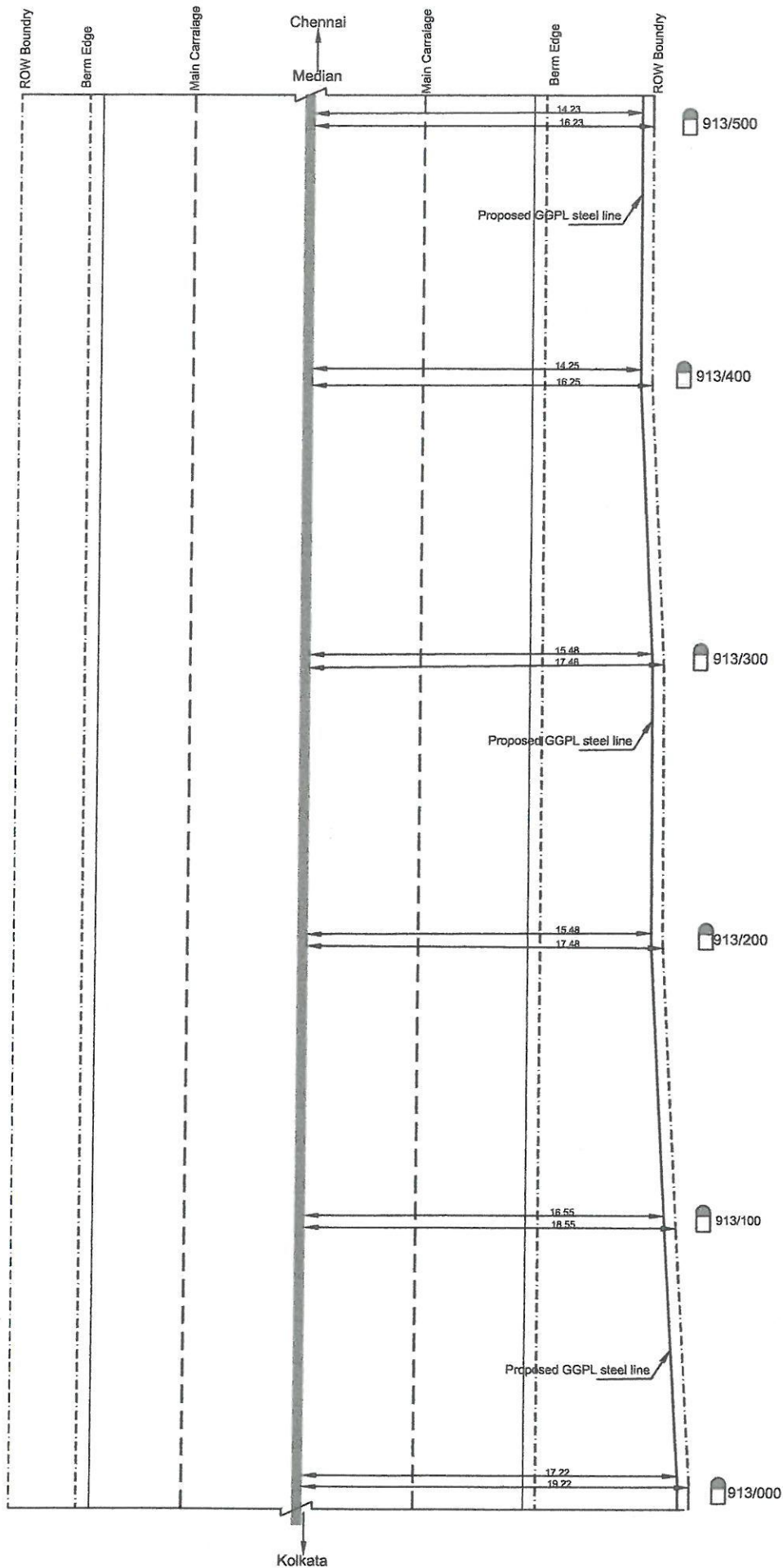




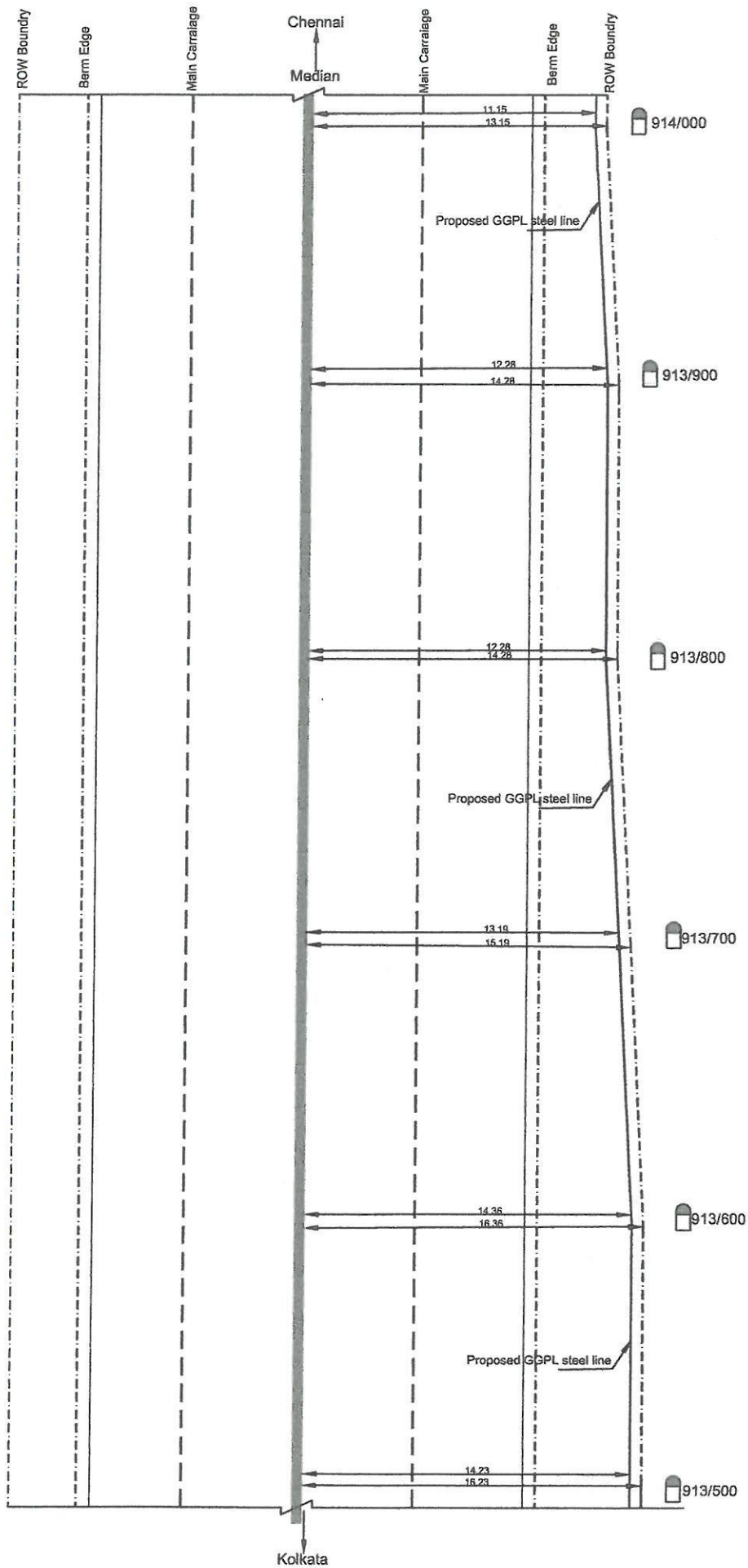
# ROW PLAN FOR BOMMURU - LALACHERUVU



# ROW PLAN FOR BOMMURU - LALACHERUVU

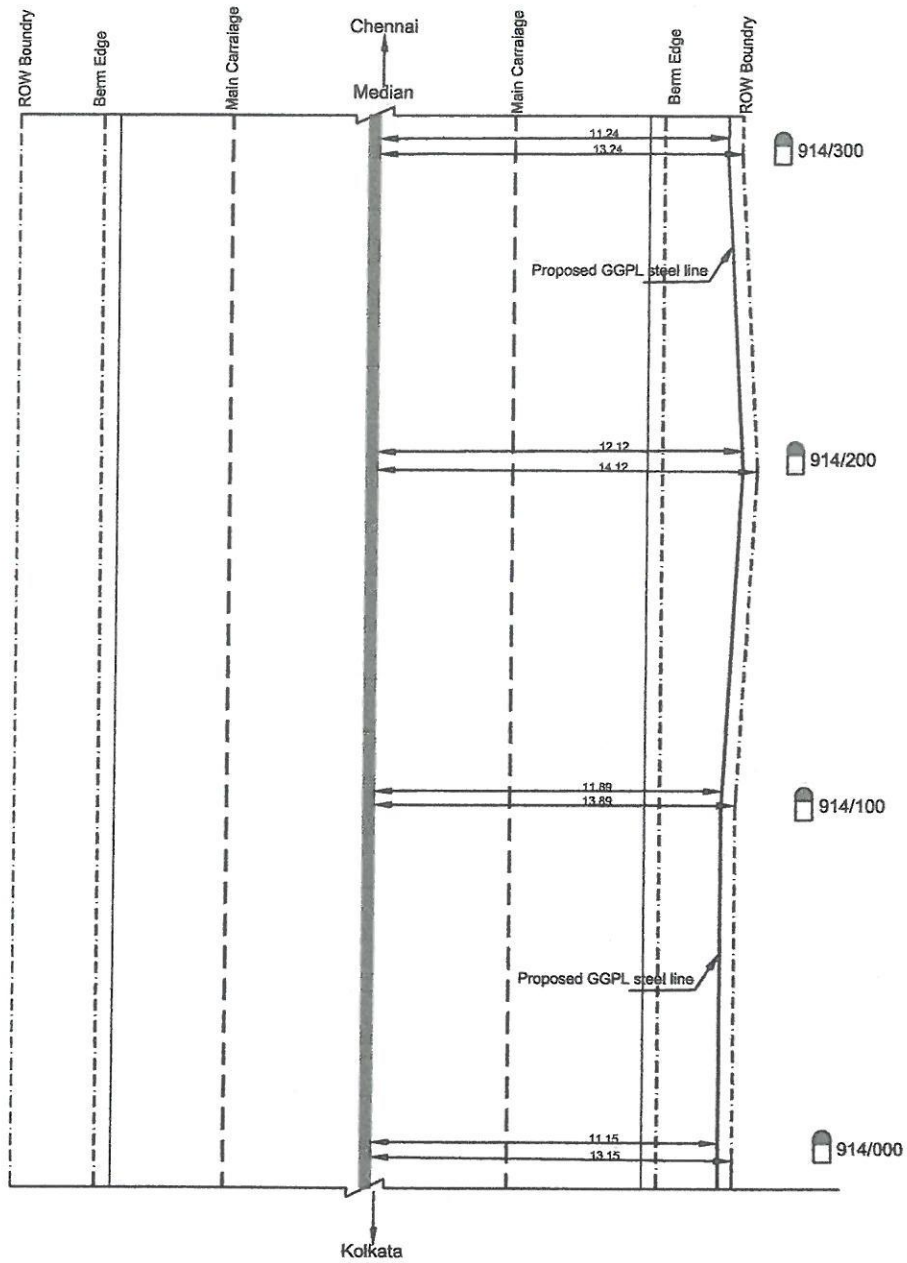


# ROW PLAN FOR BOMMURU - LALACHERUVU



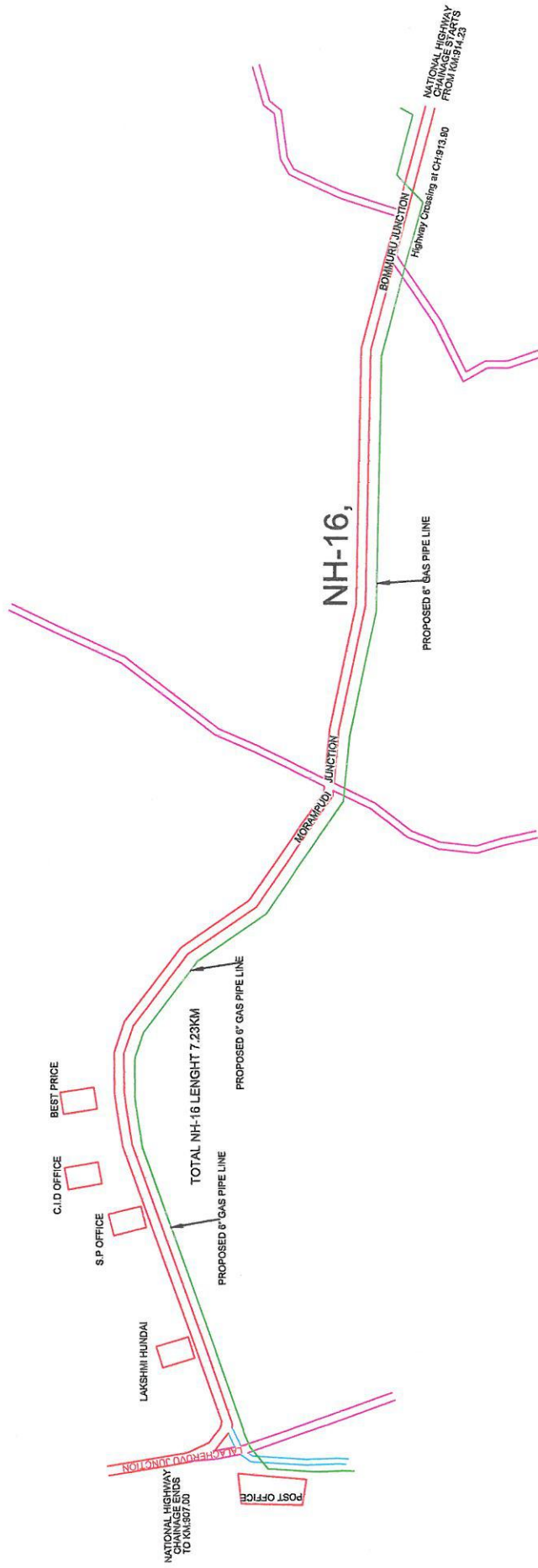


# ROW PLAN FOR BOMMURU - LALACHERUVU



*[Handwritten Signature]*

**G. ANKAIAH**  
 Deputy General Manager (CGM)  
 Godavari Gas Private Limited  
 (A Joint Venture of APGDC & HPCL)  
 RAJAMAHENDRAVARAM.

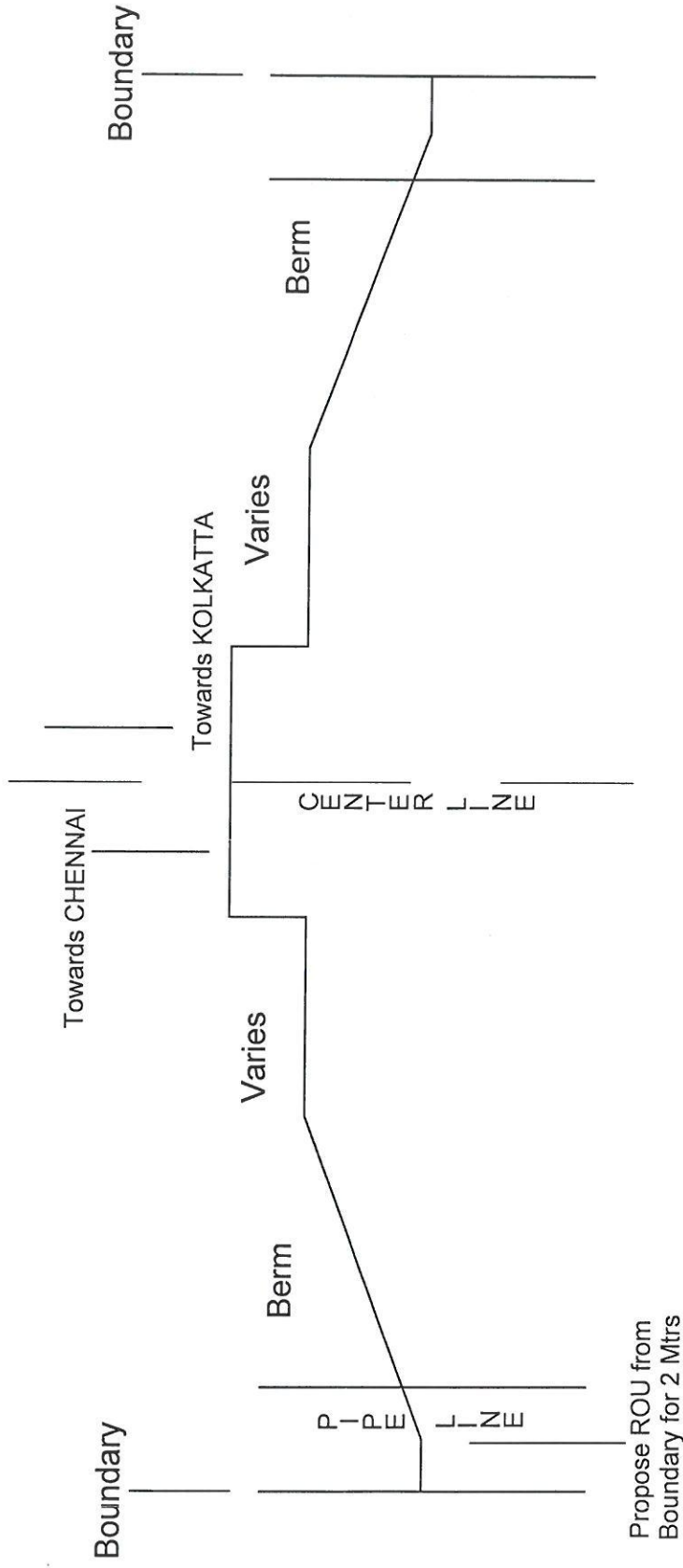


## BOMMURU TO LALACHERUVU 6" STEEL LINE ROUTE MAP

*[Signature]*

**G. ANKAIAH**  
 Deputy General Manager (CGM)  
 Godavari Gas Private Limited  
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 RAJAMAHENDRAVARAM.

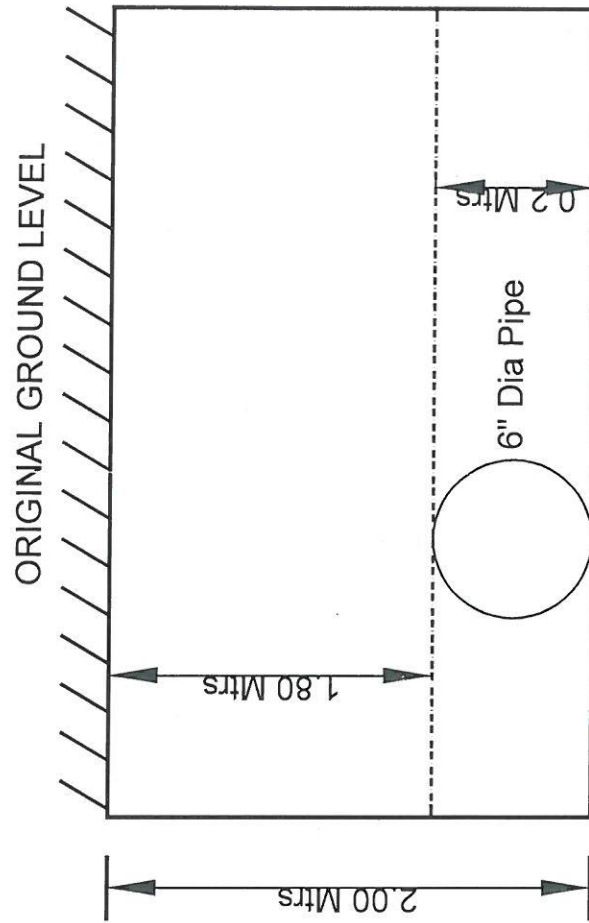
# SECTION DIAGRAM OF HIGHWAY FOR ROU CLEARANCE AT BOMMURU TO PAPERMILL



*[Signature]*



SECTION VIEW FOR LAYING OF 6" STEEL PIPE LINE AT BOMMURU TO PAPERMILL



**G. ANKAIAH**  
Deputy General Manager (CGM)  
**Godavari Gas Private Limited**  
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RAJAMAHENDRAVARAM.