



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
(Ministry of Road Transport & Highways, Government of India)



क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय पशासनिक स्टाफ कॉलेज, रोड नंबर 3, बंजारा हिल्स, हैदराबाद - 500034 तेलंगाना

**REGIONAL OFFICE - HYDERABAD**

First Floor, New Building, Administrative Staff College of India, Road No.3, Banjara Hills, Hyderabad - 500034. Telangana.

टेली / Tele: 040-29562147, 040-29562148 Email: nhairohyd@gmail.com

NHAI/RO-HYD/25011/1/58/2022/Utility/2042

Dt.26.10.2022

**Sub:** NHAI - RO Hyderabad - PIU Hyderabad-Proposal for laying of UGD Pipeline crossing of Hyderabad to Bangalore section of NH- 44 by 600mm dia RC NP3 pipe encased in 100mm dia MS pipe at Km.137+740, 300mm dia MS pipe encased in 800mm dia MS casing pipe at Km.138+300, 200mm dia MS pipe encased in 600mm dia MS casing pipe at Km.138+520, by HDD methodology, and along NH- 44 between Km.138+140 to Km. 138+300 (RHS) using 200mm dia MS pipe encased in 600mm dia MS casing pipe by HDD methodology for a total length of 370m on Hyderabad to Bangalore section in the State of Telangana- Reg..

**Ref:** 1. PIU Hyd Lr.no. NHAI/PIU-HYD/NH-65/UGD/Suryapet/2022/1523, Dt 18.10.2022

The Project Director, PIU, NHAI Hyderabad vide letter cited above has recommended the Proposal of Executive Engineer, Public Health Division, Nalgonda for laying of UGD Pipeline across Hyderabad to Bangalore section of NH- 44 at Km.137+740, at Km.138+300, and at Km.138+520, by HDD methodology, and along NH- 44 between Km.138+140 to Km. 138+300 (RHS) by HDD methodology for a total length of 370m on Hyderabad to Bangalore section in the State of Telangana.

2. As per para 4 of the Ministry's guidelines no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.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 Regional Officer,  
National Highways Authority of India,  
Regional Office: Hyderabad,  
First Floor, New Building,  
Administrative Staff College of India(ASCI),  
College Park Campus, Road No.3,  
Banjara Hills, Hyderabad - 500 034,  
Telangana State,  
Phone: 040-29562147, 040-29562148,  
Email: rohyderabad@nhai.org, nhairohyd@gmail.com

**Encls: Above Proposal**

Yours faithfully,

(Y. Nagamani)

**Dy. General Manager ( Tech)**

**For Regional Officer-cum-**

**Highway Administrator, Hyderabad**

**To:**

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
2. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

**Copy to:-**1. The Project Director, NHAI, PIU Hyderabad: for information

**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

**Sub:** NHAI - RO Hyderabad - PIU Hyderabad-Proposal for laying of UGD Pipeline crossing of Hyderabad to Bangalore section of NH- 44 by 600mm dia RC NP3 pipe encased in 100mm dia MS pipe at Km.137+740, 300mm dia MS pipe encased in 800mm dia MS casing pipe at Km.138+300, 200mm dia MS pipe encased in 600mm dia MS casing pipe at Km.138+520, by HDD methodology, and along NH- 44 between Km.138+140 to Km. 138+300 (RHS) using 200mm dia MS pipe encased in 600mm dia MS casing pipe by HDD methodology for a total length of 370m on Hyderabad to Bangalore section in the State of Telangana-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)	

**Check list for getting approval for Laying of Under Ground Drainage pipe line at NHAI along the service road Suryapet – Kodada section from Km 138+140 to Km 138+300 (RHS) towards Vijayawada and road crossings of UGD pipe line at Km 137+740, Km 138+300 and Km 138+520 in Suryapet Town of Telangana.**

S. no	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	The Executive Engineer, Public Health Division-Nalgonda, L.S Gutta, Nalgonda, Telangana-508001. Tel: +91 9154796656 Email: eephnlg@yahoo.co.in	
1.2	National Highway Number	NH-65	
1.3	State	Telangana	
1.4	Location	Suryapet to Kodada Section of NH 9 (NH-65 as New NH. Number)	
1.5	(Chainage in km)	138+140 to Km 138+300 (RHS) =160m	
1.6	Length in Meters	160 m	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/ km direction	Avg. of 32 mts.	
	(b) Right side from center line towards increasing chainage/ km direction	Avg. of 29 mts.	
1.8	Proposal to lay underground water Pipe Line	Yes	
	(a) Left side from center line towards	No	

**Executive Engineer  
Public Health Division,  
Nalgonda.**

Page 2 of 21

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PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.**

	increasing chainage/ km direction		
	(b) Right side from center line towards increasing chainage/ km direction	Yes	
1.9	Proposal to acquire land		
	a) Left side from center line	No	
	b) Right side from center line	No	
1.10	Whether proposal is in the same side where land is not to be acquired	N.A	
	If not then where to lay the pipeline	Side shoulder of the BT Service Road	
1.11	Details of already laid services, if any, along the proposed route	N.A	
1.12	Number of lanes (2/4 / 6/8 lanes) existing	4 lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes)	---	
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	Yes	
	(b) Right side from center line	Yes	
1.15	Proposed Service Road	N.A	
	(a) Left side from center line	N.A	
	(b) Right side from center line	N.A	
1.16	Whether proposal to lay Under Ground Drainage Pipe line is	Side shoulder of the BT Service Road	

	after the service road or between the service road and main carriageway		
1.17	<p>The permission for laying of Under Ground Drainage Pipe Line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.</p> <p>(a) Carrying of sewage / water supply pipelines on highway bridges shall not be permitted as Fumes / gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.</p> <p>(b) Carrying of gas water pipe lines on bridges shall also be discouraged.</p> <p>However, if the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of</p>		

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PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.

	<p>piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs, etc</p> <p>(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.</p> <p>(d) Services are not being allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the <b>Ministry's Project Chief Engineers only.</b></p>		
1.18	<p><b>If crossings of the road involved</b></p> <p>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</p>	<p>Yes. There are 3 nos of Crossings</p> <ol style="list-style-type: none"> <li>1. at Km 137+740 – 65 mtrs (MS casing pipe of 1200mm dia and 600 mm dia RCC Np 3 pipe of main Sewerage pipe in one crossing)</li> <li>2. at Km 138+300 – 65 mtrs (MS casing pipe of 800mm dia and 300 mm dia MS pipe of main Sewerage pipe in one crossing)</li> </ol>	

	line	<p>3. at Km 138+520 – 80 mtrs (MS casing pipe of 600mm dia and 200 mm dia MS pipe of main Sewerage pipe in one crossing)</p> <p>4. at Km 138+140 to 138+300-160 mtrs (MS casing pipe of 800mm dia and 300 mm dia MS pipe of main Sewerage pipe)</p>	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes	
	(b) Is it on a line normal to NH	Yes	
	(c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meters. What is the distance from the existing structures	20 mts.	
	(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.	<p>1. MS Pipe of 1200mm dia 14 mm thk (Mild Steel)</p> <p>2. MS Pipe of 800mm dia 14 mm thk (Mild Steel)</p> <p>3. MS Pipe of 600mm dia 14 mm thk (Mild Steel)</p>	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe	Yes	

PROJECT DIRECTOR  
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PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.

	of slope in the fills.		
	(g) The top of the casing/conduit pipe should be at least 1.65 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.	Yes	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes	
	(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.	Yes	
2	Document / Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (It is normal size of 1.65m deep X 0.3m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe (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	N. A	

Executive Engineer  
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Page 7 of 21

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PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.

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	<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>		
2.2	Cross section showing the size of pit and location of pipeline for HDD method	Yes	
2.3	Strip plan / Route Plan showing Under Ground Drainage pipe line, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of showing Under Ground Drainage pipe line.	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)	N.A	

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	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	N.A	
	(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.	N.A	
	(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.	N.A	
	(d) The side-fill 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.	N.A	

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PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.

	Consolidation by saturation or ponding will not be permitted. (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.		
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	N.A	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	N.A	
2.4.2	Horizontal Directional Drilling (HDD) Method	Methodology enclosed	
2.4.3	Laying of Under Ground Drainage Pipe Line through CD works and method of laying	N.A	
	(a) On approaches, the gas mains/cables shall be carried along a line as close to the edge of the right-of way as possible up-to a distance of 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No.RW/NH-33044/29/2015/S&R(R) dated: 22/11/2016	N.A	

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3	Draft License Agreement signed by two witnesses	Enclosed	
4	Performance Bank Guarantee in favour of NHAH has to be obtained @ Rs250/- per running meter (parallel to NH) and Rs1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling compaction.	An undertaking given by Shri The Executive Engineer, PH Division, Nalgonda towards Performance BG for Rs.250/- per Rmt along the NH (Size of 300mm dia) total Amount 4,20,000/- Rupees	
4.1	License Fees (Rs/Sqm/Month) = (Utilized NH Land area * Prevailing circle rate of land per unit area)/ (10*12)  Utilized NH land area = Outer diameter/Width of concerned utility line * Length	For 04 nos of Crossings - 4,00,000/-Rupees.	License fee shall be paid after the application approved.
	Due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAH to the	NHAH	

	licensee for clearing debris/loose earth.		
4.2	Confirmation of BG has been obtained as per NHAI guidelines	N.A	After submission of BG, the same will be confirmed as per NHAI guidelines.
5	<b>Affidavit / Undertaking from the Applicant for</b>		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI's guidelines	Yes	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost	Yes	
5.5	Shifting due to 6-laning / widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant	Yes	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the	Yes	

	applicant		
5.9	Prior approval of NHAI shall be before undertaking any work of installation, shifting or repairs, or alterations to the showing Water Supply Pipe Line located in the National Highway right-of-ways.	Yes	
5.10	Expenditure if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance, or shifting of the water supply pipe line will be borne by the agency owning the line	Yes	
5.11	If 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 Under Ground Drainage pipe line will not have any deleterious effects on	Yes. Enclosed	

	any of the bridge components and roadway safety for traffic. (ii) for 6-laning "We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development".		
6.	Who will sign the agreement on behalf of Under Ground Drainage <i>pipe line</i> agency	The Executive Engineer, PH Division, Nalgonda	
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. Ministry Circular No. NH-41 (58)/68 dated 31.1.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995,	Yes	

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	<p>Ministry Circular No. RW/NH-34066/2/95/ S&amp;R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&amp;R (B) dated 17.9.2003, RW/NH-33044/29/2015/S&amp;R(R) dated: 22/11/2016</p>		
7.2	<p>Certificate from PD in the following format</p> <p>(i) <i>"It is certified that any other location of the Under-Ground Drainage pipe 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 &amp; traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc".</i></p> <p>(ii) for 6 -laning</p> <p>(a) Where feasibility is available <i>"I do certify that there will be no hindrance to proposed six-laning based on the feasibility report</i></p>	Yes	

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HYDERABAD - 500 034.

	<p>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>		
8	<p>If NH section proposed to be taken up by NHA on BOT basis - a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [-----  <b>----- section from Km ----- to Km --</b>  <b>----- of NH No.- -</b>  <b>--on Build, Operate and Transfer Basis]</b> and therefore, the licensee shall honour the same."</p>	Yes	
9	Who will supervise the work of laying of UGD pipe line	Public Health Department, Nalgonda Division	
10	Who will ensure that the defects in road portion after laying of Water Supply pipe line are corrected and if not corrected then what action will be	Public Health Department, Nalgonda Division	

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Page 16 of 21

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HYDERABAD - 500 034.

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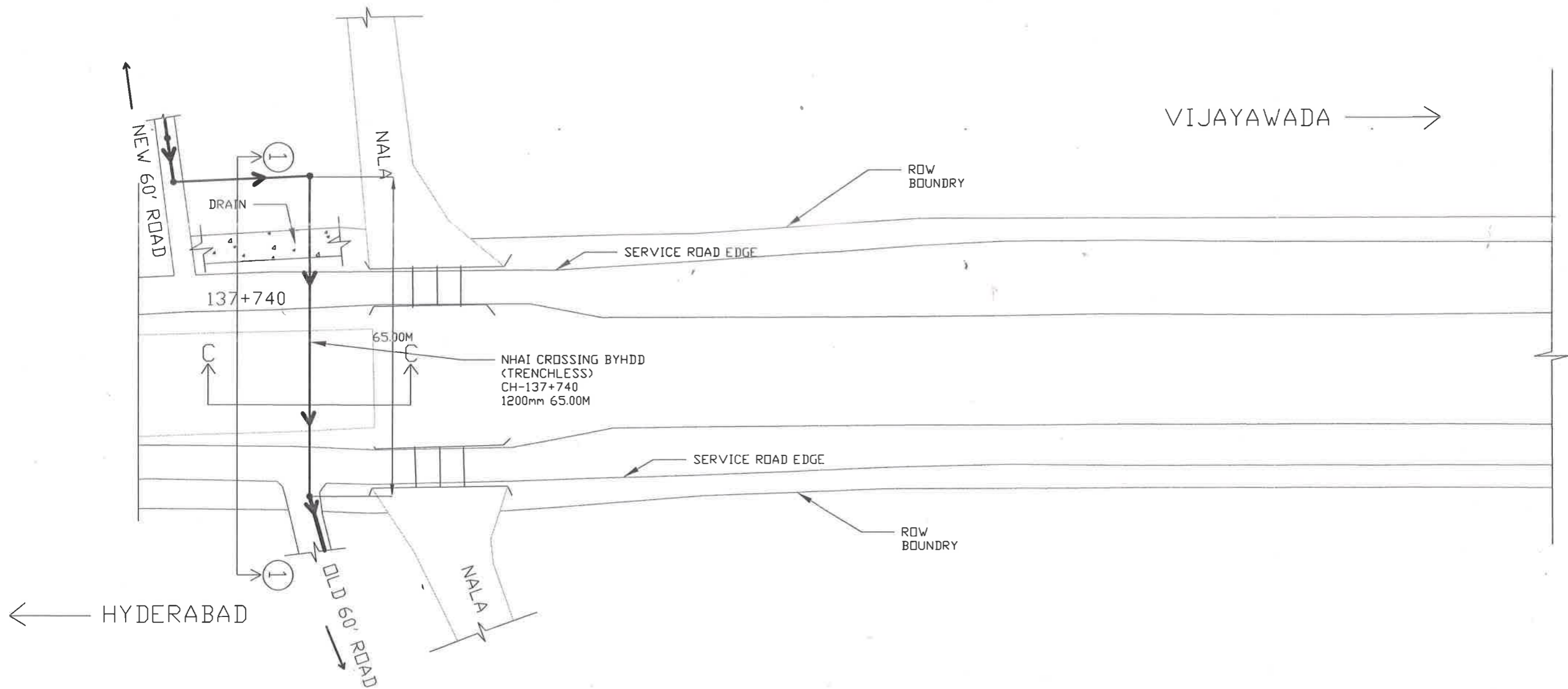
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11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	The Executive Engineer, PH Division, Nalgonda	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Yes	
13	If any previous approval is accorded for laying of Under Ground Drainage Supply Pipe line then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	No such permission is accorded.	

  
 Executive Engineer  
 Public Health Division,  
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# NHAI ROAD CROSSING AT CH:137+740 BY HDD TRENCH LESS METHOD



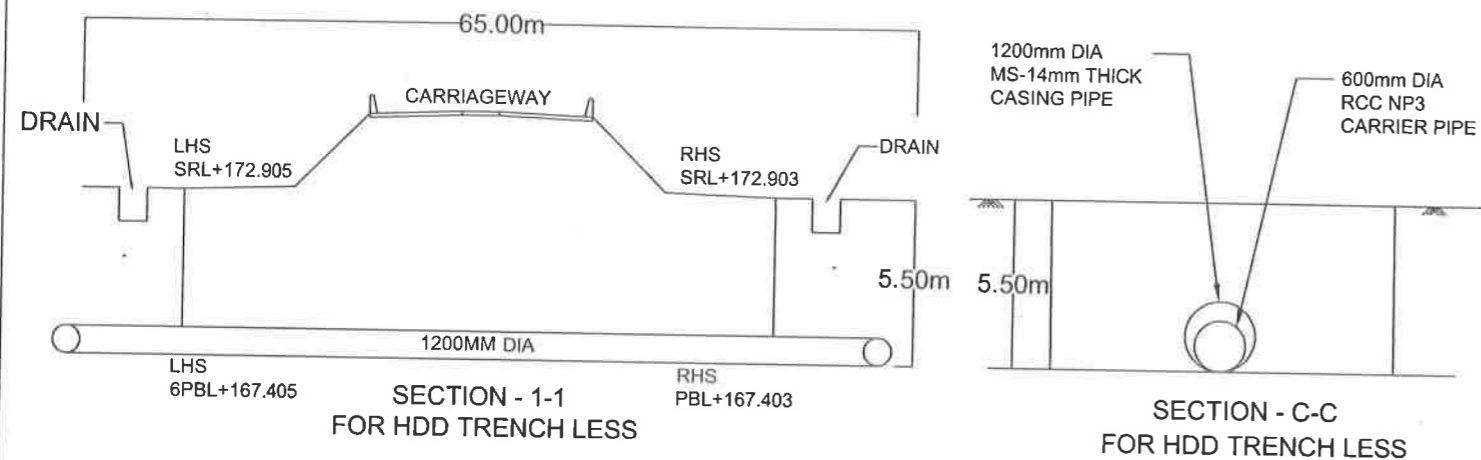
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Executive Engineer  
PH Division, Nalgonda.

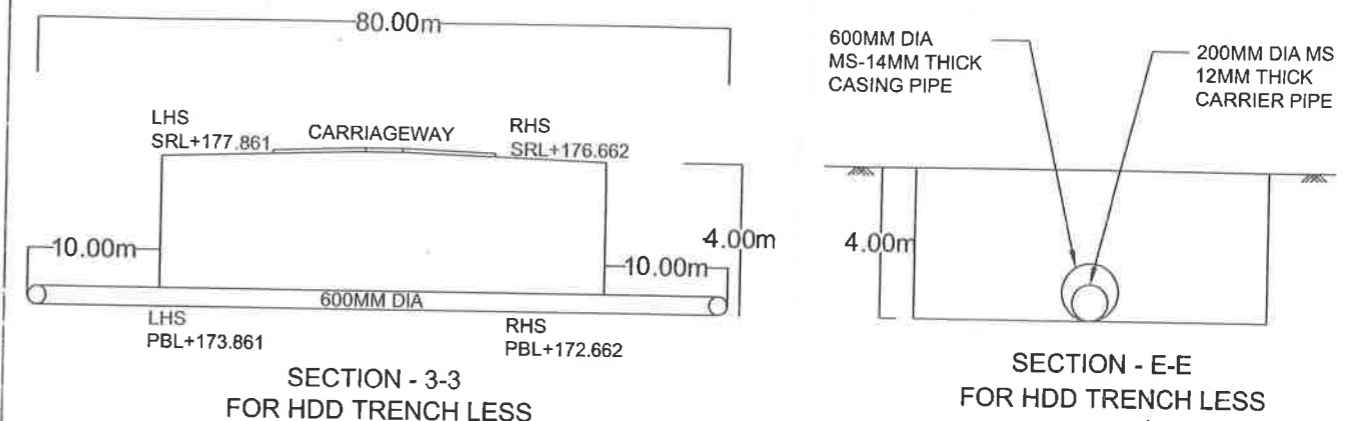
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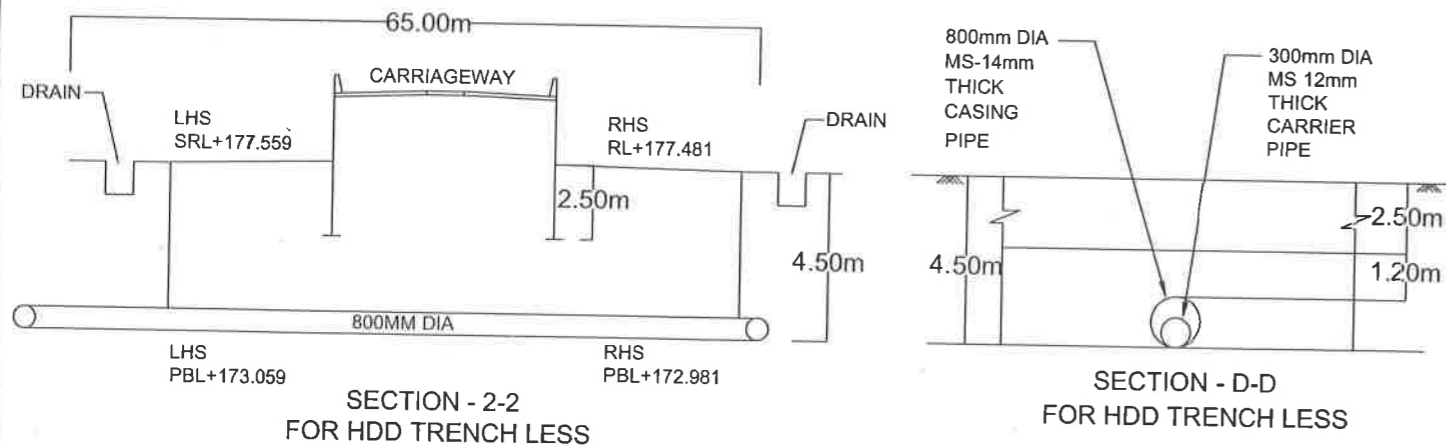
# NHAI ROAD CROSSING AT CH:137+740 BY HDD TRENCH LESS METHOD



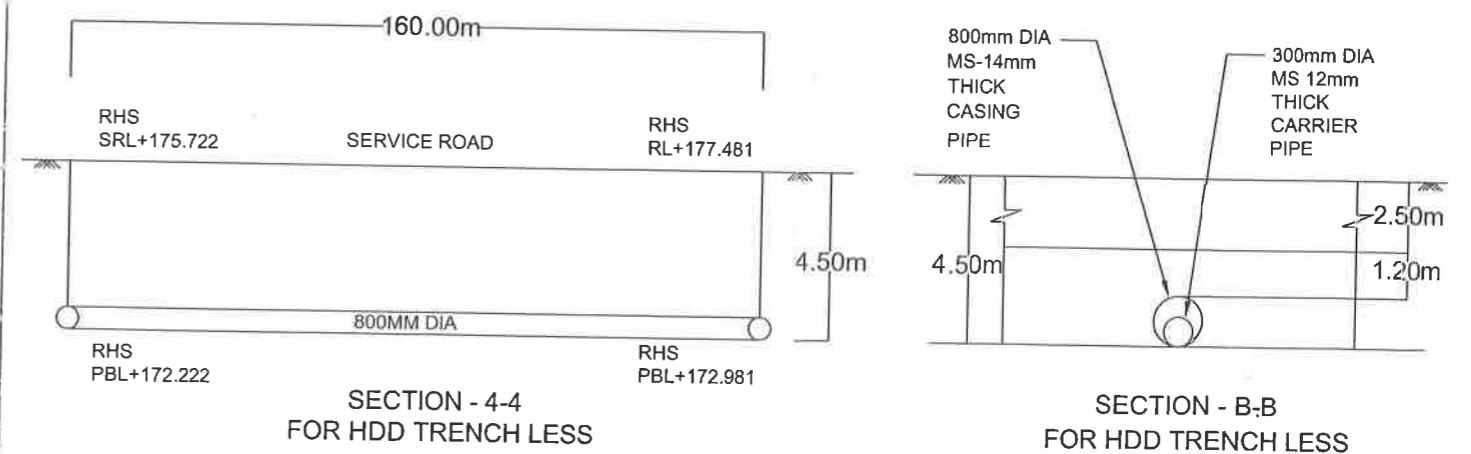
# NHAI ROAD CROSSING AT CH:138+520 BY HDD TRENCH LESS METHOD



# NHAI ROAD CROSSING AT CH:138+300 BY HDD TRENCH LESS METHOD



# ALONG THE SERVICE ROAD CH-138+140 TO 138.300 BY HDD TRENCH LESS METHOD



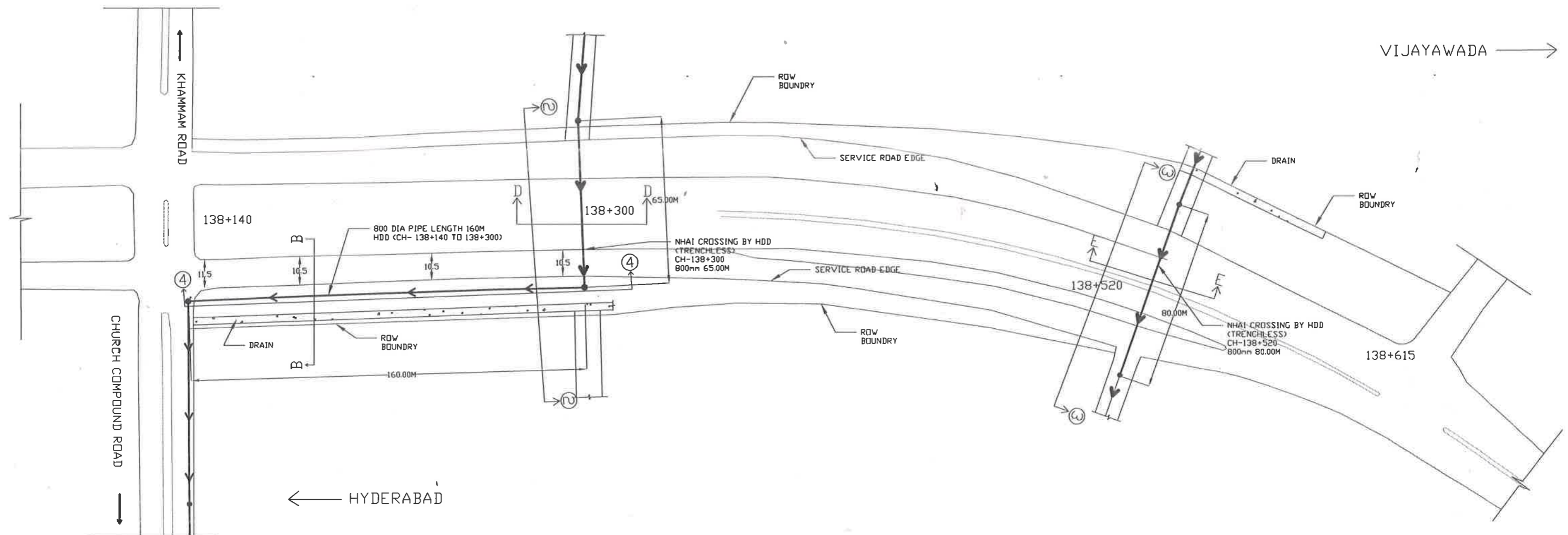
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PH Division, Nalgonda.

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NHAI ROAD CROSSINGS AT CH:138+300, CH:138+520 AND ALONG THE SERVICE ROAD FROM CH: 138+140 TO 138+300 (RHS) BY HDD TRENCHLESS METHOD



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Executive Engineer  
PH Division, Nalgonda.

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