



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 प्रशासनिक स्टाफ कॉलेज, रोड नं-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना.

REGIONAL OFFICE - HYDERABAD

First Floor, New Building, Administrative Staff College of India (ASCI), Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

टेली / Tele : 040 - 29562147 / 48 ई-मेल / Email : rohyderabad@nhai.org, nhairohyd@gmail.com

NHAI/RO-HYD/25011/9/5/2022/Utility/175

Dt.18.04.2022

Notice Inviting Public Comments

Sub: NHAI - RO Hyderabad - PIU Sangareddy-Proposal for laying of Mission Bhagiratha pipelines for a total length of 1.858 Km from Km.0+176 to Km.0+906 (RHS), from Km.1+614 to Km.2+294 (RHS), from Km.2+247 to Km.2+410 (LHS), & from Km.4+058 to Km.4+328 (LHS), along NH-161 by Open trench Methodology and existing Highway crossings by Open Trench/HDD methodology at Km. 4+495 on Kandi to Ramsanpalle section of NH-161 in the State of Telangana- Reg.

Ref: 1. PD, PIU Sangareddy Lr.no. NHAI/PIU-SNA/NH-161/2022/1490, dt:17.03.2022.

The Project Director, PIU, NHAI, Sangareddy vide letter cited above has recommended the Proposal submitted by Executive Engineer, Public Health Division, Sangareddy for laying of Mission Bhagiratha pipelines for a total length of 1.858 Km from Km.0+176 to Km.0+906 (RHS), from Km.1+614 to Km.2+294 (RHS), from Km.2+247 to Km.2+410 (LHS), & from Km.4+058 to Km.4+328 (LHS), along NH-161 by Open trench Methodology and existing Highway crossings by Open Trench methodology at Km. 4+495 on Kandi to Ramsanpalle section of NH-161 in the State of Telangana

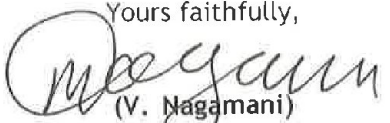
2. As per above Ministry's guidelines Para 4, public comments are hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) 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,


(V. 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 Sangareddy: for information.

2. Executive Engineer, Public Health Division, Sangareddy: 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 Sangareddy-Proposal for laying of Mission Bhagiratha pipelines for a total length of 1.858 Km from Km.0+176 to Km.0+906 (RHS), from Km.1+614 to Km.2+294 (RHS), from Km.2+247 to Km.2+410 (LHS), & from Km.4+058 to Km.4+328 (LHS), along NH-161 by Open trench Methodology and existing Highway crossings by Open Trench methodology at Km. 4+495 on Kandi to Ramsanpalle section of NH-161 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)	

CHECKLIST

Guidelines for Project Directors for processing the proposal for
laying of water supply pipeline in the land along National Highways vested with NHAI.

Certificate for confirming of all standard condition issued vide Relevant Circulars

1. Ministry Circular No. NH-41(58)/68 dated: 31.01.1969.
2. Ministry Circular No. NH-III/P/66/76 dated: 18/19.11.1976.
3. Ministry Circular No. RW/NH-III/P/66/76 dated: 11.05.1982.
4. Ministry Circular No. RW/NH-11037/86-DOI (II) dated: 28.07.1993.
5. Ministry Circular No. RW/NH-11037/1/86/DOI dated: 19.01.1995.
6. Ministry Circular No. RW/NH-34066/2/95/S&R dated: 25.10.1999.
7. Ministry Circular No. RW/NH-34066/7/2003 S&R(B) dated: 17.09.2003.
8. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dated: 22.11.2016.

Checklist for getting approval for laying of water supply pipeline on NH – 161			
Sl.	Item	Information / Status	Remarks
1.	General Information	Mission Bhageeratha (Urban) - Water Supply Improvement Scheme in Sangareddy Municipalities - Proposal for Permission for laying of Drinking water pipeline in the utility corridor /space along /crossing on NH-161 in Sangareddy.	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Public Health Division, Sangareddy, Prashanth Nagar, P.O Sangareddy (District), Telangana - 502001.	
1.2	National Highway Number	NH-161	
1.3	State	Telangana	
1.4	Location	(Pothireddypalli to Medak Road) I. Sangareddy Town/Mandal Along the NH 161 a) From Sangareddy ICICI bank to Jeans corner (Right Side) b) From Transco office to oppt.CSI church (Right Side) c) From Manjeera Tank road to Transco office (Left Side) d) From Government Hospital to SP Camp office (Left side) Crossing on NH 161 a) At govt school near Ambedkar statue	

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1.5	(Chainage in KM)	I. Sangareddy Town/Mandal (1) Along NH-161 a) from 0.906km to 0.176 km (Right side of decreasing chainage) b) from 2.294 km to 1.614 km (Right side of decreasing chainage) c) from 2.41 km to 2.247 km (Left side of decreasing chainage) d) from 4.328 km to 4.058 km (Left side of decreasing chainage) 2) Crossing NH-161 a) at CH 4.495km	
1.6	Length in Kilometres	I. Sangareddy Town/Mandal (1) Along Road : 0.73 km (Right side) (2) Along Road : 0.68 km (Right side) (3) Along Road : 0.163 km (Left side) (4) Along Road : 0.27 km (Left side) (5) Crossing at CH 4.495km : 15 Metres	
1.7	Width of available ROW	22.8 Mtr. (In General) Including median	
	a) Left side from center line towards increasing chain age/KM. direction.	10.5 Mtr	
	b) Right side from center line towards increasing chain age/direction.	10.5 Mtr	
1.8	Proposal to lay underground Water pipeline	Yes, DI water pipeline Dia Min-100mm to max:600mm	
	a) Left side from centre line towards increasing chain age/direction.	10 Mtr-12 Mtr as per ROW Availability	
	b) Right side from centre line towards increasing chain age/km direction	10 Mtr-12 Mtr as per ROW Availability	
1.9	Proposal to acquire land	Not applicable	
	a) Left side from center line	Nil	
	b) Right side from center line	Nil	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the Water pipeline	NA	
1.11	Details of already laid services, if any along the proposed route.	Nil	
1.12	Number of lanes (2/4 6/8 lanes) existing	Existing 2/4 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	Not applicable	
1.14	Service road existing or not	NO	
	If yes then Which side		
	Left side from center line	NO	
	Right side from center line	NO	
1.15	Proposed Service road		
	Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay water supply pipe line is after the service road or between the service road and main carriageway	1) Between carriage way and service road / foot path. 2) Carriage way 3) Carriage way	

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		4) Carriage way 5) Carriage way	
	The permission for laying of water supply pipe line shall be considered for approval/rejection based on the Ministry Circulars mentioned as above.	Yes, Agreed	
1.17	a) Carrying of sewerage/gas pipelines on highway bridges shall not be permitted as Furnes /gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.	Yes, Agreed for not carrying drinking water pipelines on Bridges	
	b) Carrying of water pipelines on bridges shall also be discouraged. 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 bridges is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	Yes, Agreed for not carrying Water Pipelines on Bridges however it will be laid over independent structures like Pipe Carrying Bridges for Major Bridge crossings and Fabricated Structural Steel Path will be laid adjacent to the current structures for minor Bridges/Culverts/Cross Drainage Structures when required with the permission of Authority.	
	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.	Yes, Agreed to comply	
	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 Ministry's Project Chief Engineers only.	Yes, Agreed to comply	
1.18	If crossings of the road involved.	Yes, at one location (encased with MS pipe) as per the attached drawings and documents	
	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.	Encasing Pipe Dia = 0.4 times dia of Pipe at one location as per attached drawings and documents	
	a) Existing drainage structures shall not be allowed to carry the lines.	Yes, Agreed to comply	
	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.	Less than 5 meters at One crossing Locations.	
	d) The casing pipe(or) conduit pipe in the case of electric cable carrying the utility line shall be of steel cast iron, or	Yes and Made of Mild Steel of various sizes	

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	reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	as per attached drawings and documents.	
	c) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes, Agreed to comply	
	f) The casing/conduit pipe should, as minimum extend from drain to drain in cults and toe of slope in the files	Yes, Agreed to comply	
	g) The top of the casing/ conduit pipe should be at least 1.2 meter below the surface of the road subject being at least 0.3 below the drain inverts	Yes, Agreed to comply	
	h) Crossing shall be by boring methods (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type	Crossing should be done by open trench method as there is lack of working space for HDD and the crossing of the pipe line is comes under main town area with mild traffic.	
	i) The casing / conduit pipe shall be installed with an even bearing through its length and in such a manner as to prevent the formation of a water way along it	Yes, Agreed to comply	
2.	Document/Drawings enclosed with the proposal	Attached	
2.1	Cross section showing the size of trenches for open trenching method (is it normal size of 1.2m deep x 0.6 wide)	Details shown in the drawing	
	I) Should not be greater than 60cm the outer diameter of the pipe.	Yes, Agreed to comply	
	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	Yes, Agreed to comply	
	III) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Now shall these be laid over the existing culverts and bridges.	Yes, Agreed to comply	
	IV) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct.	Yes, Agreed to comply	
2.2	Cross section showing the size of pit and location not Pipe for HDD method.	NA	
2.3	Strip plan/Route plan showing Water supply pipeline, chainage, width of ROW, distance of proposed, cable from edge to edge of ROW, Important milestone, intersections, cross drainage works etc.	Yes, Submitted showing all desired details in the drawings	

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2.4	Methodology for laying of showing water supply pipeline.	Attached as Annexure	
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 or refilling of trench.	Yes, Open Trenching as per Submitted Methodology as per available Row.	
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Yes, Agreed to comply	
	(b) For filling the trench, Bedding shall be 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, Agreed to comply	
	(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, Agreed to comply	
	(d) The side fill shall consist of granular material laid in 15cm layer each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctors Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted.	Yes, Agreed to comply	
	(e) The road crust Shall be built to the same strength has the existing crust on either side of the trench. Care shall be taken to avoid the 'formation of a dip at the trench.	Yes, Agreed to comply	
	(f) The excavation shall be protected by flagman, signs and barricades. And red lights during night hours.	Yes, Agreed to comply	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Yes, Agreed to comply	
2.4.2	Horizontal Directional Drilling (HDD) Method	NA.	
2.4.3	Laying of water supply pipeline through CD works and method of laying	At all CD work Locations Independent pipe carrying structures will be adopted.	
	(a) On approaches, the water 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 90m from the	Yes, Agreed to comply	

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Public Health Division
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	bridge and subject to all other stipulations contained In this Ministry's guidelines Issued with letter No. NH-HI/P/80/Y6datadt9.11.1976		
3.	Draft License Agreement signed by two witnesses.	Yes, enclosed	
4.	Performance Bank Guarantee in favour of NHAI has to obtained as per MORTH guidclines dated:22.11.2016.	Yes Agreed. For Submission of performance BG as per latest MORTH/NHAI Guidelines, when asked by NHAI.	
4.1	Performance BG as per above is to be obtained	BG will be submitted as intimated by NHAI	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Yes, will be obtained after submission of BG.	
5.	Affidavit / Undertaking from the Applicant for		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes, Agreed to comply and Undertaking Enclosed	
5.2	Renewal of Bank Guarantee	Yes, Agreed to comply and Undertaking Enclosed	
5.3	Confirming all standard condition of NHAI's guidelines	Yes, Agreed to comply and Undertaking Enclosed	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost	Yes, Agreed to comply and Undertaking Enclosed	
5.5	Shifting due to 6 laning / widening of NH	Yes, Agreed to comply and Undertaking Enclosed	
5.6	Indemnity against all damage and claims clause(xxiv)	Yes, Agreed to comply and Undertaking Enclosed	
5.7	Traffic movement during laying of water supply pipeline to be managed by the applicant.	Yes, Agreed to comply and Undertaking Enclosed	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes, Agreed to comply and Undertaking Enclosed	
5.9	Prior approval of the NHAI shall be obtained before under taking any work of installation, shifting or repairs, of alternations to the showing Water supply pipe line located in the National highway right of ways.	Yes, Agreed to comply and Undertaking Enclosed	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National highway by the saying, maintenance or shifting of the water supply pipe line will be borne by the	Yes, Agreed to comply and Undertaking Enclosed	

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	agency owning the line		
5.11	If the NHAI considers necessary in future to move the utility line for any work of improvement or repairs to the road, It MII 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, Agreed to comply and Undertaking Enclosed	
5.12	Certificate from the applicant in the following format. (i) Laying of water supply pipe line will not have any deleterious effects on any of the bridge components and road way safety for traffic. (ii) for 6-lanning "We do under take that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as well be stipulated by NHAI for future six lanning of any other development.	Yes, Agreed to comply and Undertaking Enclosed	
6	Who will sign the agreement on behalf of water supply pipeline agency.	Executive Engineer, Public Health Division, Sangareddy, PrashanthNagar, P.O Sangareddy (District), Telangana - 502001.	
7	Certificate from the project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry circular No. Ministry Circular No: RW/NH-33044/29/2015/Sd(R), Date: 22.11.2016.	Enclosed	
7.2	Certificate from PD in the following format. i) it is certified that any other location of the water supply pipe line would be extremely difficult and unreasonable costly and the installation of water supply pipeline with in 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. ii) for 6-lanning	Enclosed	
	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 structure at the said location.	-	
	b) In case feasibility report Is not available "I do certify that sufficient ROW is available at site for accommodating proposed six—laning.	-	
	If NH section proposed to be taken up by NHAI on BOT basis- a clause is to be	-	

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8.	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 concession agreement for up-gradation of {.....section from KMto KM.....on build, Operate and Transfer Basis} and therefore, the license shall honour the same."	Not Applicable.	
9.	Who will supervise the worth of laying of watersupply pipeline	Megha Engineering & Infrastructures Ltd., S-2, Technocrat Industrial Estate, Balanagar, Medchal District, Hyderabad – 5000037.	
10.	Who will ensure that the defects in road portion after laying of water supply pipeline are corrected and if not corrected then what action will be taken.	Megha Engineering & Infrastructures Ltd., S-2, Technocrat Industrial Estate, Balanagar, Medchal District, Hyderabad – 5000037.	
11.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	Executive Engineer, Public Health Division, Sangareddy, Prashanth Nagar, P.O Sangareddy (District), Telangana - 502001.	
	A certificate from PD that he MII enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Enclosed	
	If any previous approval is accorded for laying of underground water supply pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	No	

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Methodology for Laying of Mission Bhageeratha(URBAN) Water Supply Pipe Line across the National Highway Land by Open trench Method:

1. Pipeline will be laid across the NH 161 i.e Casing Pipe and Carrier pipe.
2. MS 800 mm dia 12mm thick casing pipeline will be laid across the NH 161 Carriage way by Open Trenching Method.
3. Once the casing pipe laid, The carrier pipeline MS 200mm Dia 10mm thick will be passed through the casing pipe and joined to the existing pipeline at both ends with necessary collars and Flanges.
4. Sluice valves of suitable diameter will be installed at the starting nodes to regulate the flow as per field condition.
5. The excavated working pits will be refilled with the granular material upto sub-grade and restoration with M30 with a depth of 0.30m.



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Executive Engineer,
Public Health Division,
Sangareddy. 01/11/24

**Water Supply Improvement Scheme under Mission Bhageeratha in Sangareddy Municipality - Laying of Water Pipelines
along/across the NH-161 in Sangareddy Town**

S.No	Location Details	Length	Description	Remarks
1			Schematic Diagram	Enclosed
2			Details of Excavation	Open trench excavation with a cushion of 1.2m from top of sub grade
3			Depth of cut	1.20m from top of sub grade + (Pipe Diameter)
4	1) Along the NH-161 (ICICI Bank Complex to Jean Corner; 2) Along the NH-161 (TSSPDCL office to CSI Church)	1) 730 m 2) 680 m	Laying methodology	Open trench excavation for both along/across the road for road crossing will done by providing MS encasing pipe
5	3) Along the NH-161 (SP Office to Government Hospital)	3) 270 m	Type of back filling material	Granular material in layers not greater than 15cm in each layer
6	4) Across the NH-161 Near Government School at Old Bus stand.	4) 15 m	method of compaction of back fill	By using vibratory roller, layer wise compaction will be done
7	5). Manjeera Bank Road To TRANSCO office (left side)	5) 163 m	Safety measures	Excavation shall be carried out by providing barricades , Caution boards and red lights during night.
8			Restoration of existing pavement/shoulder	Restoration of existing payment/shoulder will done by CC M30 with 0.3m depth wherever BT Cuttings done.

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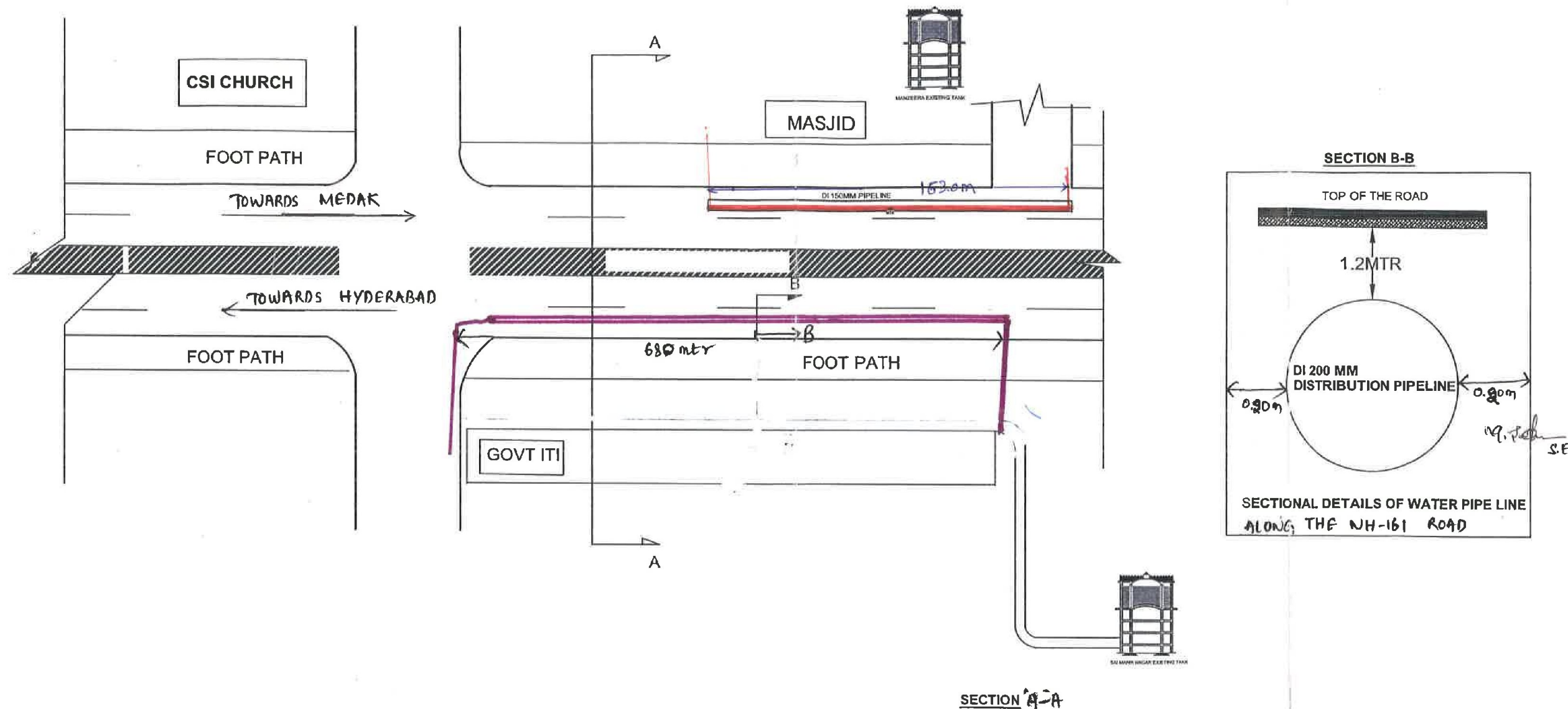
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Deputy Executive Engineer,
Public Health Sub-Division
Sangareddy

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Executive Engineer
Public Health Division
SANGAREDDY
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PLAN SHOWING OF WATER PIPELINE ALONG N.H ROAD FROM SAIMANIK NAGAR TANK ROAD TO CSI CHURCH AND MANZEERA TANK ROAD TO MASJID SANGAREDDY MUNICIPALITY, SANGAREDDY DISTRICT



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AEE(PH/SRD)
Deputy Executive Engineer,
Public Health Sub-Division
Sangareddy

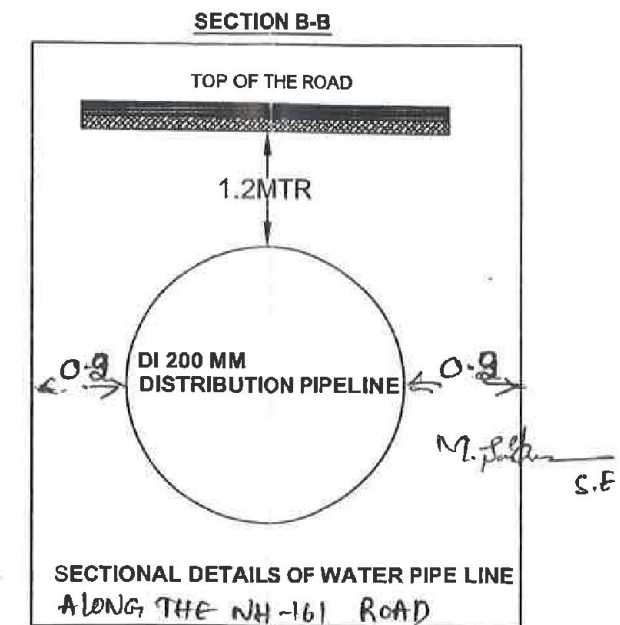
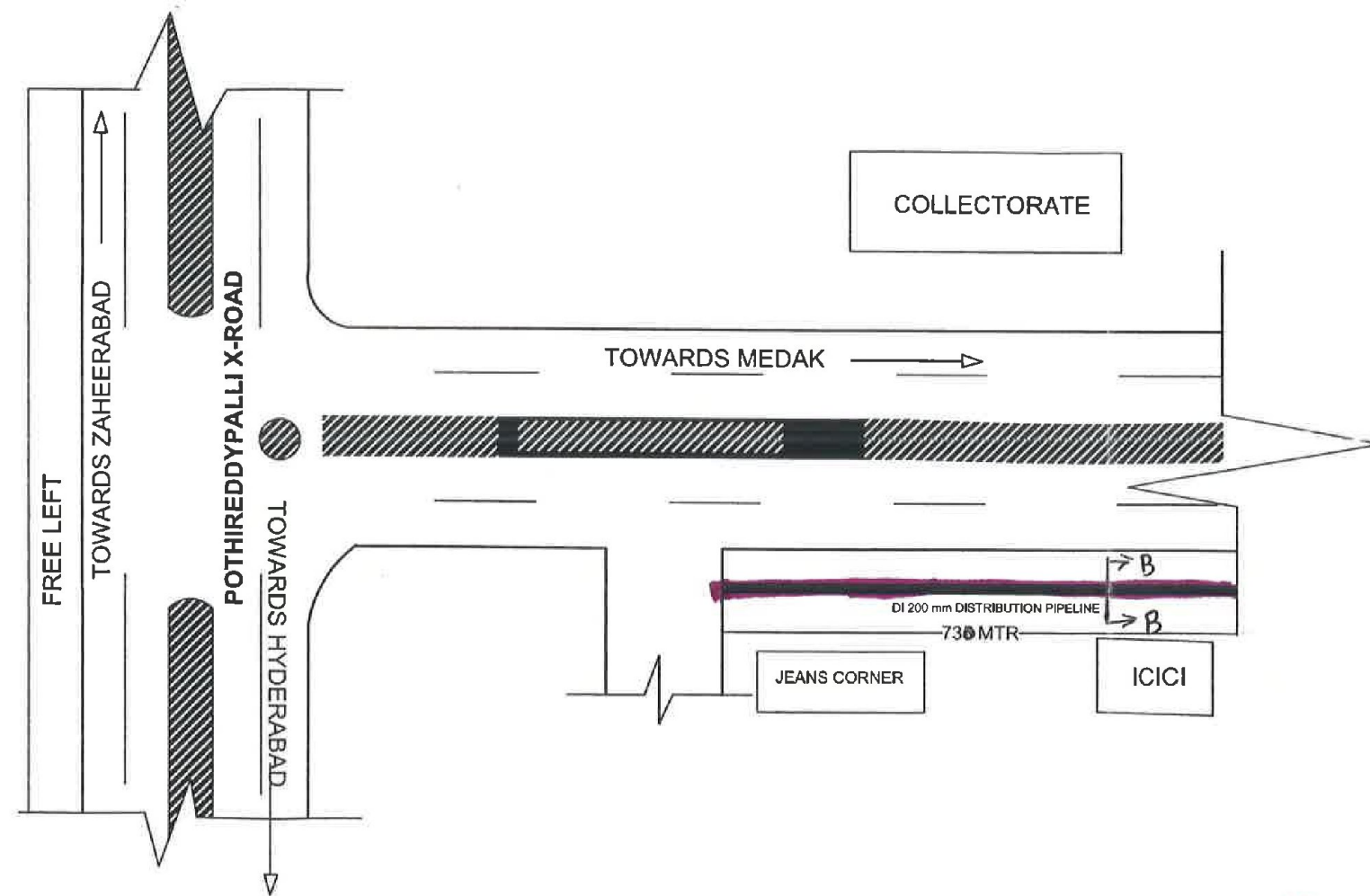
[Signature]
Executive Engineer
Public Health Division
SANGAREDDY

SECTIONAL DETAILS OF WATER PIPE LINE ACROSS THE ROAD

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PLAN SHOWING OF WATER PIPELINE ALONG N.H ROAD FROM ICICI BANK TO JEANS CORNER SANGAREDDY MUNICIPALITY, SANGAREDDY DISTRICT



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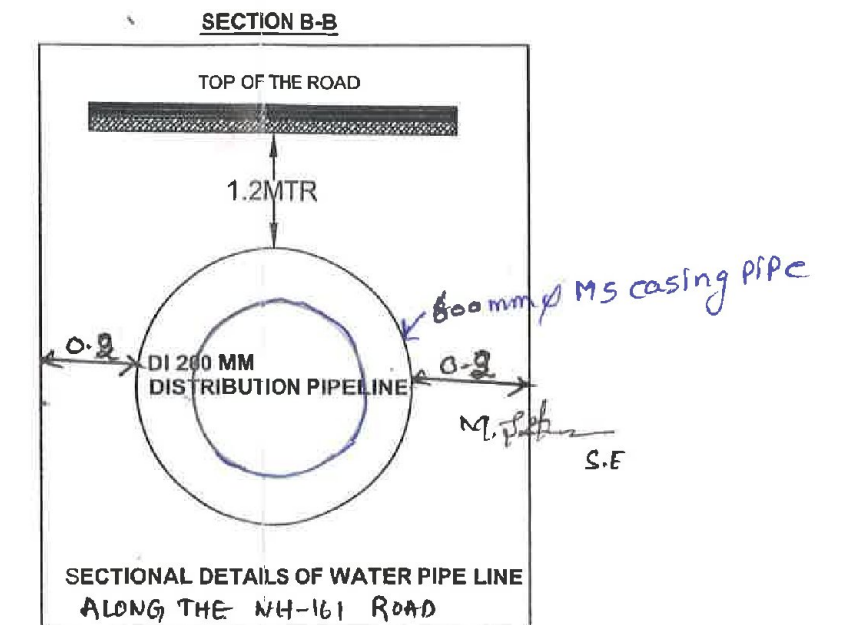
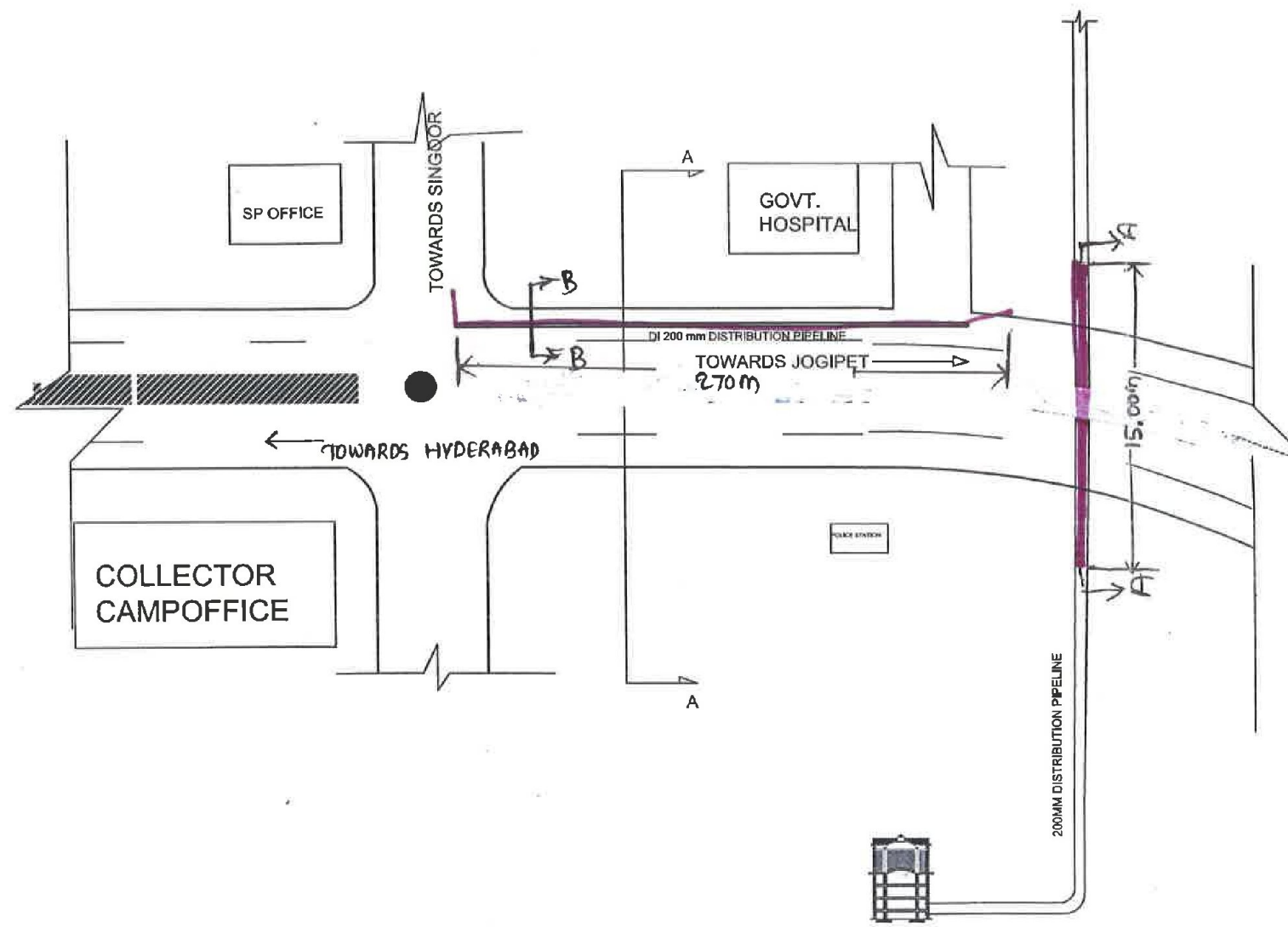
Deputy Executive Engineer
Deputy Executive Engineer,
Public Health Sub-Division
Sangareddy

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Executive Engineer
Public Health Division
SANGAREDDY

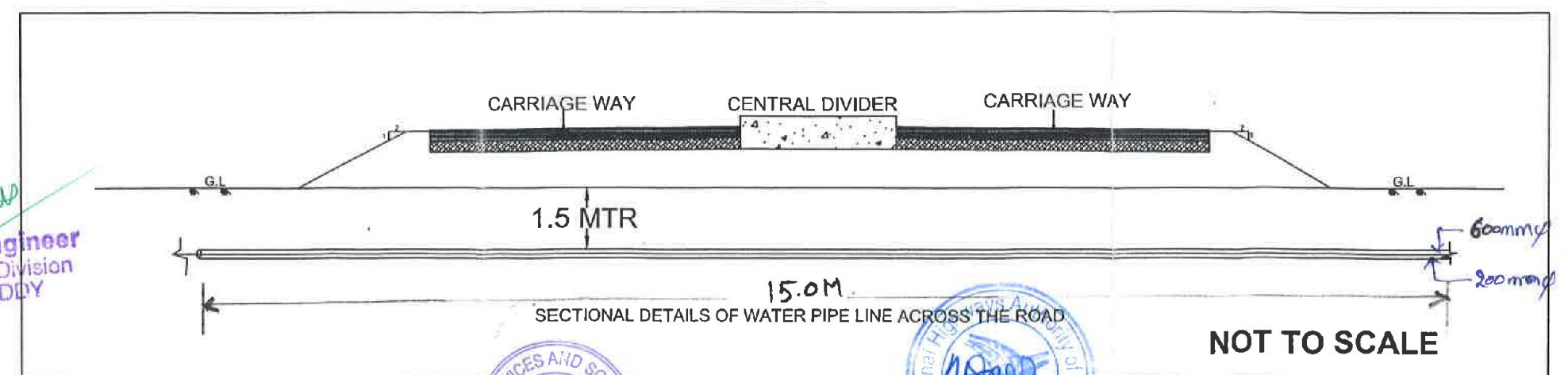


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PLAN SHOWING OF WATER PIPELINE ALONG N.H ROAD FROM SP OFFICE TO GOVERNMENT HOSPITAL AND ROAD CROSSING AT WOMENS COLLEGE EXISTING TANK ROAD ,SANGAREDDY MUNICIPALITY,SANGAREDDY DISTRICT



SECTION A-A



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Public Health Sub-Division
Sangareddy

Devi...
Executive Engineer
Public Health Division
SANGAREDDY

