

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

( सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार )

## NATIONAL HIGHWAYS AUTHORITY OF INDIA

(Ministry of Road Transport and Highways, Govt. of India)

### क्षेत्रीय कार्यालय \ REGIONAL OFFICE

ई-2/167, अरेरा कॉलोनी, हबीबगंज रेल्वे स्टेशन के पास, भोपाल ( म.प्र. ) 462 016

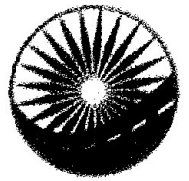
E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.)-462 016

दूरभाष/Phone : 0755-2426638, फैक्स/Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org

NHA/RO-MP/UJN/NH-552G/Water Pipe Line/WRD/2022/45917



सत्यमेव जयते



भारतमाला  
प्रगति के पथ पर अग्रसर  
BHARATMALA  
ROAD TO PROSPERITY

Date: 23.02.2022

### Invitation of Public Comments

**Sub:** Permission for laying of Water Pipeline Crossing of NH-552G required by using pipe pushing method for MS & HDPE pipe Laying works at Kundalia Irrigation Project-Left Bank- Reg.

**Ref:** Project Director, PIU Ujjain letter no. 107 dated 18.01.2022.

Vide above reference proposal for Permission for laying of Water Pipeline Crossing of NH-552G required by using pipe pushing method for MS & HDPE pipe Laying works at Kundalia Irrigation Project-Left Bank.

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for 30 days on ground of public interest.

3. In view of the above the comments of public are invited on captioned proposal and the same should reach to below mentioned address till 24.03.2022 beyond which no comments will be considered.

The Highway Administrator  
O/o Regional Officer,  
National Highways Authority of India  
E-2/167, Arera Colony,  
Near Habibganj Railway Station,  
Bhopal (MP)-462016  
E-mail ID:robhopal@nhai.org

This issues with the approval of Regional Officer cum Highway Administration.

(Anil Kumar Jain)

Dy. General Manager (T)

### Copy to:

- Web Admin, NHA-HQ-with request for uploading on the NHA website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, NHA, PIU-Ujjain (M.P.) for information.
- Project Manager, MKPMU, WRD, Rajgarh (MP).

**CHECK – LIST**

**Guidelines for Project Directors for processing the proposal for laying of Irrigation Water pipeline across National Highways vested with NHA.**

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

**Check list for getting approval for laying of Irrigation Water pipeline across NH552G land.**

The permission for laying of Irrigation Water Pipe Line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.

(a) Carrying of sewage /gas/ Water pipelines on highway Bridges shall not be permitted as Furnes/gases/ Water pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.

(b) 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.

Guidelines for processing the proposal for laying of utility line in the land along National Highways/Expressway vested with NHA/PWD/BRO.

S.NO	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	WATER RESOURCE DEPARTMENT, OFFICE OF THE PROJECT DIRECTOR MOHANPURA KUNDALIA PROJECT MANAGEMENT UNIT(MKPMU) Rajgarh, Dist- Rajgarh, (MP) -465661	
1.2	National Highway Number	NH - 552G (Susner to Soyat Section)	
1.3	State	Madhya Pradesh	
1.4	Location	NH - 552G, Villages - Bawadikheda, Susner, Badiya, Khajuri, Guradi Soyat, Kothada, Kalyanpura. Taluka - Susner, District - Agar Malwa. MP	
1.5	(Chainage in km)	1. 141.2 2. 151.85 3. 155.42 4. 158.2 5. 167.512 6. 171.043 7. 177.105	
1.6	Length in Meters	221.9 m	Crossing
1.7	Width of available ROW	1. 141.2- 34 mtr 2. 151.85 -30 mtr 3. 155.42 -30 mtr 4. 158.2 – 30 mtr 5. 167.512 – 35 mtr 6. 171.043 – 35 mtr 7. 177.105 -35 mtr	
	(a) Left side from center line towards increasing chainage/km direction	1. 141.2 - 16 mtr 2. 151.85 - 17 mtr 3. 155.42 – 16 mtr 4. 158.2 – 14.5 mtr 5. 167.512 – 18 mtr 6. 171.043 – 16 mtr	Crossing

		7. 177.105 – 18 mtr	
	(b) Right side from center line towards increasing chainage/ km direction	1. 141.2 - 18 mtr 2. 151.85 - 13 mtr 3. 155.42 – 14 mtr 4. 158.2 – 15.5 mtr 5. 167.512 – 17 mtr 6. 171.043 – 19 mtr 7. 177.105 – 17 mtr	Crossing
1.8	Proposal to lay underground Pipeline		
	(a) Left side from center line towards increasing chainage/km direction.	1. 141.2 - 16 mtr 2. 151.85 - 17 mtr 3. 155.42 – 16 mtr 4. 158.2 – 14.5 mtr 5. 167.512 – 18 mtr 6. 171.043 – 16 mtr 7. 177.105 – 18 mtr	Crossing
	(b) Right side from center line towards increasing chainage/km direction.	1. 141.2 - 18 mtr 2. 151.85 - 13 mtr 3. 155.42 – 14 mtr 4. 158.2 – 15.5 mtr 5. 167.512 – 17 mtr 6. 171.043 – 19 mtr 7. 177.105 – 17 mtr	Crossing
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	NA	
	If not then where to lay the cable.	NA	
1.11	Details of already laid services, If any, along the proposed route	NA	
1.12	Number of existing lanes (2/4/6/8 lanes)	2 lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	2 lanes with paved shoulders	
1.14	Service road existing or not	No	
	If yes then which side		
	(a) Left side from centre line		
	(b) Right side from centre line		
1.15	Proposed service road	No	
	(a) Left side from center line		
	(b) Right side from center line		
1.16	Whether proposal to lay gas/water pipeline is after the service road or between the service road and main carriageway	No	
1.17	Whether carrying of sewage/gas/water pipeline has been proposed on highway bridges. If yes, then mention the methodology proposed for the same.	No	
1.18	Whether carrying of sewage / gas/ water pipeline has been proposed on the parapet/any part of the bridges If yes, then mention the methodology proposed for the same.	No	
1.18	If crossing of the road involved	1. Mild Steel Casing Pipe and Mild Steel carrier pipe.	
	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	2. Mild Steel Casing Pipe and HDPE carrier pipe. Through HDD method	
	(a) Whether existing drainage structures are allowed to carry sewage /gas/water pipeline	No	
	(b) Is it on a line normal to NH	Yes	
	(c) What is the distance of crossing the sewage/ gas/water pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	No near by structure till 1 km (approx.)	
	(d) The casing pipe (or conduit pipe in the case of electric / OFC 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.	Applicable	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Applicable	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Applicable	
	(g) The top of the casing/conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	Casing pipe will be laid at a depth of minimum 1.2 Mtr below the existing ground level through HDD method	
	(h) Mention the methodology proposed for crossing of road for the proposed sewage / gas/water pipeline. Crossing shall be by boring method (HDD) [Trench-less Technology] especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD, trench less Technology (methodology enclosed)	
	(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.	NA	
2	<b>Document / Drawings to be enclosed with the proposal.</b>		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide)	NA	
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe.	NA	
	(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.	NA	
	(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.	NA	
	(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.	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method.	Yes	

Project Manager

Manager (Tech.)  
NHAI PIU-Ujjain (M P)

*[Handwritten Signature]*



2.3	Strip plan/ Route plan showing utility line, Chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the Drawing	
2.4	Methodology for laying of gas/water 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, What is the Methodology of refilling of trench.	NA	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	
	(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.	NA	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	NA	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted.	NA	
	(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.	NA	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Methodology for laying of gas/water Pipe Line through CD works and method of laying. In cases where the carrying of gas/ water pipeline on the bridge becomes inescapable.	NA	
3	Draft License Agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs 50/- 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 Gas/ water pipeline with OFC /ducts by proper filling and compaction, clearing Debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris /loose earth. Performance BG as per above is to be obtained.	L&T will pay Bank Guarantee as and when intimated by NHAI.	

4.8	Horizontal and vertical clearances in case utilities are allowed overhead.	NA	In accordance with IRC codes	NA
5	<b>Document/ Drawings enclosed with the proposal.</b>			
5.1	Cross-Section showing the size of trench for open trenching method	NA	Enclosed, if applicable	-
	(a) Trench width	NA	More than 30 cm and less than 60cm wider than the outer diameter of the utility pipe	-
	(b) Filling of trench	NA	As per Ministry guidelines vide letter No. RW/NH-34044/ 29/2015/S&R/ dated 22.11.2016	-
	(c) Location of trench	NA	Extreme edge of the ROW	-
5.2	Cross-Section showing the size of pit and location of conduit for HDD method	Drawing Enclosed	Enclosed, If applicable	Yes
5.3	Strip plan/ Route plan showing utility line, Chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Drawing Enclosed	Enclosed, If applicable	Yes
5.4	Plan and profile drawing of stretch showing Cross-Section of road at 20 m distance along with ROW and Proposed utility.	NA	Enclosed, If applicable	NA
6	Methodology for laying of utility line	Enclosed	Enclosed, If applicable	Yes
7	Draft license Agreement is as per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016 and signed by two witnesses	Enclosed	Enclosed, If applicable	Yes
8	License fees in favor of MoRTH .	Will be submitted as and when informed by NHAI	As per Ministry vide circular no. RE/NH-33044/29/2015/S&(R) dated 22.11.2016	Will be submitted
9	Whether Bank Guarantee has been obtained	Will be submitted as and when informed by NHAI	As per Ministry vide circular no. RE/NH-33044/29/2015/S&(R)da	Will be submitted

	any, along the proposed route			
2	Whether up-gradation of the stretch in near future is proposed or not	Yes	-	-
	(a) If yes, provision of utility adversely affect the plan of up-gradation	No affect on plan of up-gradation	No affect on plan of up-gradation	-
3	<b>Laying of the utility service along the National Highways.</b>			
3.1	Location of the proposed utility service along the stretch	Not applicable	-	-
3.2	Depth of top of utility service from ground level	Not applicable	-	-
3.3	Mechanism for crossing water channel	Not applicable	-	-
3.4	Whether ROW is restricted in this stretch?	Not applicable	-	-
3.4.1	If yes, whether provision of land acquisition is required to lay utility	Not applicable	-	-
	(a) If yes, whether undertaking for land acquisition along will relevant L.A. Details has been furnished	Not applicable	-	-
3.4.2	Width of concrete duct, if utility services are proposed to be laid in concrete ducts.	Not applicable	-	-
4	<b>Laying utility services across to N.H.</b>			
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	NA	Not to be allowed	-
4.2	Proposed crossing of utility service.	MS and HDPE Pipeline across NH	Perpendicular to NH	Yes
4.3	Type of casing pipe/conduit carrying the utility line.	Casing pipe of Mild steel	Steel, cast iron or reinforced cement concrete and have adequate strength	Yes
4.4	Whether ends of the casing/conduit pipe are sealed from the outside.	Yes	Sealed	NA
4.5	Length of casing/conduit pipe crossing N.H.	At Actuals (Casing and Carrier pipe by HDD Method)	Extend from drain to drain in cuts and toe to toe of slope in the fills	Yes
4.6	Depth of top of the casing/conduit pipe.	Min 1.2 m (Only Casing pipe by HDD Method)	At least 1.2 m below the top of subgrade	Yes
4.7	Crossing method in case of CC pavement.	NA	Only boring method (HDD)	NA

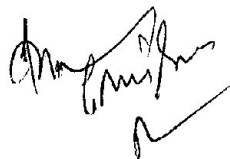
*[Signature]*  
**Manager (Tech.)**  
**NHAI PIU-Ujjain (M P)**

*[Signature]*  
**Project Manager**  
**M. K. P. Rajgarh (32)**


*[Signature]*

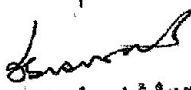
		India, PIU-Ujjain	
15	Highway Administration address	Project Director, NHAI, PIU - Ujjain, B-21/9, Mahananda Nagar, Ujjain (M.P.)-456010	

Verified by



Manager (Tech.)  
NHAI PIU-Ujjain (M P)

  
Project Director  
National Highway Division, Ujjain (M.P.)  
NHAI, PIU-Ujjain

  
Project Manager  
M.K.P.N.U., Rajgarh (32)

Sr. No.	Item	Measurement observation as per site condition	MoRTH Norms	Weather complying with MoRTH Norms (Y/N)
1	Details of already laid services, if	NA	-	-

7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highways 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 Gas/ water pipeline would be extremely difficult and unreasonable costly and the installation of Gas/ water pipeline 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".		
	(ii) for 2-lanning with paved shoulders		
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed widening of NH 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 widening of NH".		
8	If NH section proposed to be taken up by NHAI 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 gas/ water pipeline with OFC/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [----- Section from Km ----- to Km ----- of NH No.----- on Build, Operate and Transfer basis] and therefore, the licensee shall honour the same."		
9	Who will supervise the work of laying of pipe line		
	(a) On behalf of the Applicant	Project Manager, Water Resource Department	
	(b) On behalf of NHAI	Project Director, NHAI	
10	Who will ensure that the defects in road portion after laying of Gas/ water Pipe line are corrected and if not corrected then what action will be taken		
	(a) On behalf of the Applicant	Project Manager, Water Resource Department	
	(b) On behalf of NHAI	Project Director, NHAI	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	L&T	
	On behalf of the Applicant		
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).		
13	If any previous approval is accorded for laying of underground Gas/ water pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed		
14	Name of Highway authority of NHAI/PWD/BRO	National Highway Authority of	


Project Manager

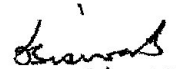
M.K. SINGH (32)

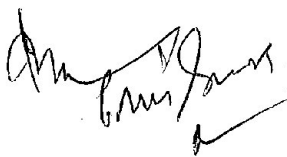
Manager (Tech.)  
NHAI PIU-Ujjain (M P)

Amrinder

4.1	Confirmation of BG has been obtained or not as per NHA guidelines		
5	<b>Affidavit / Undertaking from the Applicant for the following is to be furnished.</b>		
5.1	Not to Damage to other utility, if damaged then pay the losses either to NHA or to the concerned agency	Yes	
5.2	For Renewal of Bank Guarantee	Yes	
5.3	For Confirming all standard condition of Ministry Circulars and NHA's guideline	Yes	
5.4	For Shifting of Gas/ water pipe line as and when required by NHA at their own cost	Yes	
5.5	For Shifting of Gas/ water pipeline due to widening of NH	Yes	
5.6	For Indemnity against all damages and claims	Yes	
5.7	For Traffic movement during laying of Gas/ water 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 applicant.	Yes	
5.9	Prior approval of the NHA shall be obtained before undertaking any work if installation, shifting or repairs, or alterations to the Gas/ water pipe line/any other utility located in the National Highway right-of-ways.	Yes	
5.10	Expenditure, if any, incurred by NHA for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas/ water pipe line will be borne by the applicant agency owning the line.	Yes	
5.11	If the NHA 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 NHA 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 pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes	
	(ii) "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 NHA" for future two-laning with paved shoulders or any other development."	Yes	
6	Who will sign the agreement on behalf of pipe line agency?	Project Manager, WRD, MKPMU, Rajgarh.	
	Power of Attorney to sign the agreement is available or not	Yes	
7	<b>The Project Director, will submit the following Certificates.</b>		

  
**Manager (Tech.)**  
 NHA PIU-Ujjain (M P)

  
**Project Manager**  
 M.K.P.M.U, Rajgarh (32).





			ted 22.11.2016	
	(a) If yes, whether Confirmation of BG has been obtained as per MoRTH/NHAI guidelines.	Will be submitted as and when informed by NHAI	-	Will be submitted
10	<b>Affidavit / Undertaking from the Applicant for the following is to be furnished</b>			
10.1	Undertaking for not to Damage to other existing utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Enclosed	Enclosed	Yes
10.2	Undertaking for Renewal of Bank Guarantees and when asked by NHAI/MoRTH.	Enclosed	Enclosed	Yes
10.3	Undertaking for Confirming all standard condition of MoRTH/NHAI guidelines.	Enclosed	Enclosed	Yes
10.4	Undertaking for Shifting of utility as and when asked by MoRTH/NHAI within a month at their own cost.	Enclosed	Enclosed	Yes
10.5	Undertaking for indemnity against all damages and claims	Enclosed	Enclosed	Yes
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	Enclosed	Enclosed	Yes
10.7	Undertaking that If any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant.	Enclosed	Enclosed	Yes
10.8	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 Organization, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration.	NA	NA	NA

Availability of Right of the way (ROW):

*Signature*  
Project Manager  
M.K.P.M.U, Rajgarh(32)

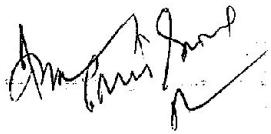
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Manager (Tech.)  
NHAI PIU-Ujjain (M P)

**Availability of Right of the way (ROW):**

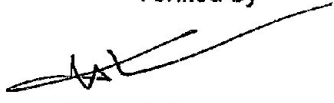
The Right of the way (ROW) of NH - 552G (Susner to Soyat Section) at Km 141.2-34 mtr, available at the location from the center line of divided carriage way is 18m at RHS and 16m at LHS, 151.85-30 mtr, available at the location from the center line of divided carriage way is 13m at RHS and 17m at LHS, 155.42-30 mtr, available at the location from the center line of divided carriage way is 14m at RHS and 16m at LHS, 158.2-30 mtr, available at the location from the center line of divided carriage way is 15.5m at RHS and 14.5 m at LHS, 167.512-35 mtr, available at the location from the center line of divided carriage way is 17m at RHS and 18m at LHS, 171.043-35 mtr, available at the location from the center line of divided carriage way is 19m at RHS and 16m at LHS, 177.105-35 mtr, available at the location from the center line of divided carriage way is 17m at RHS and 18m at LHS, towards increasing Chainage of NH (From center of ROW to edge of ROW towards proposed utility).

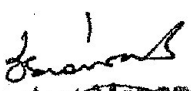
The above particulars along with the drawings and documents have been verified and certified as correct as per prevailing site conditions.

Verified by

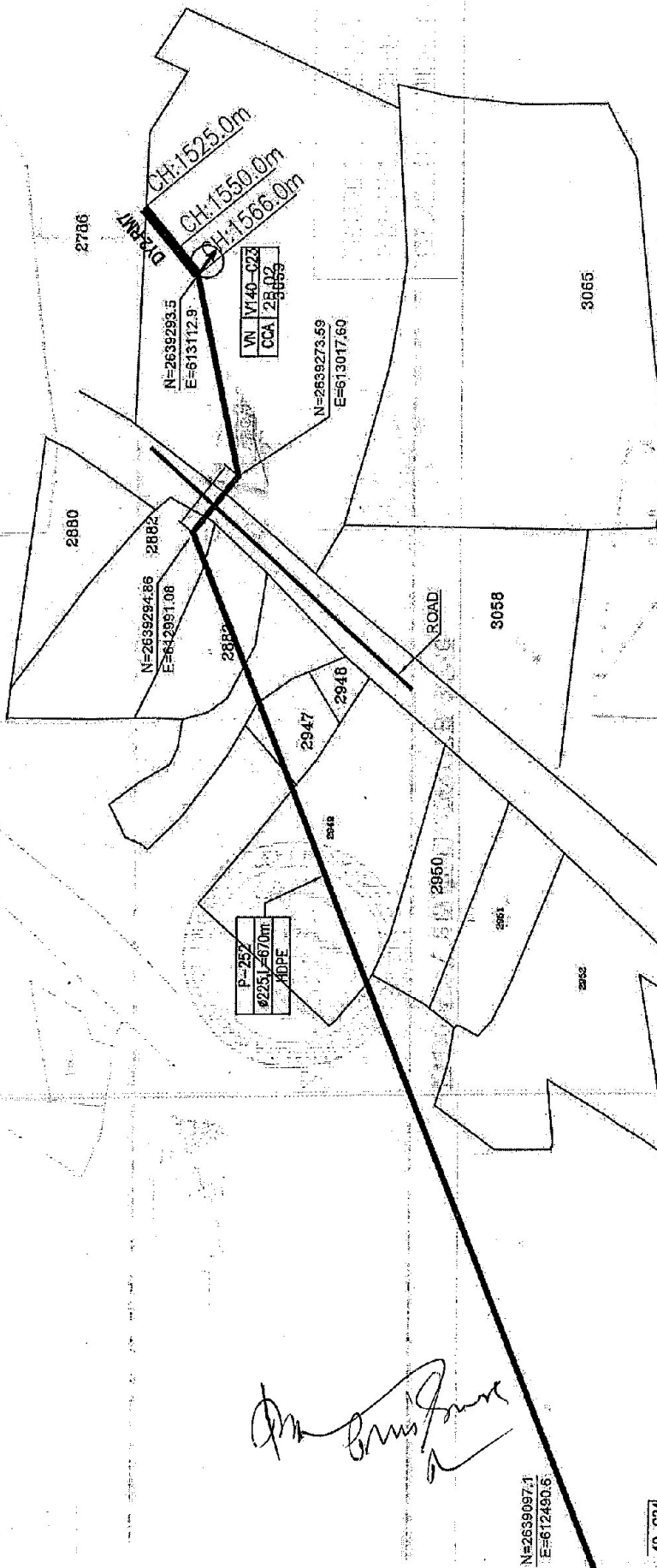


**Manager (Tech)**  
NHAI PIU-Ujjain (M.P.)

  
**Project Director,**  
National Highway Division, Ujjain  
NHAI, PIU- Ujjain (M.P.)

  
**Project Manager**  
M.I.C. U. Rajgarh (32)


# NATIONAL / STATE HIGHWAY CROSSING

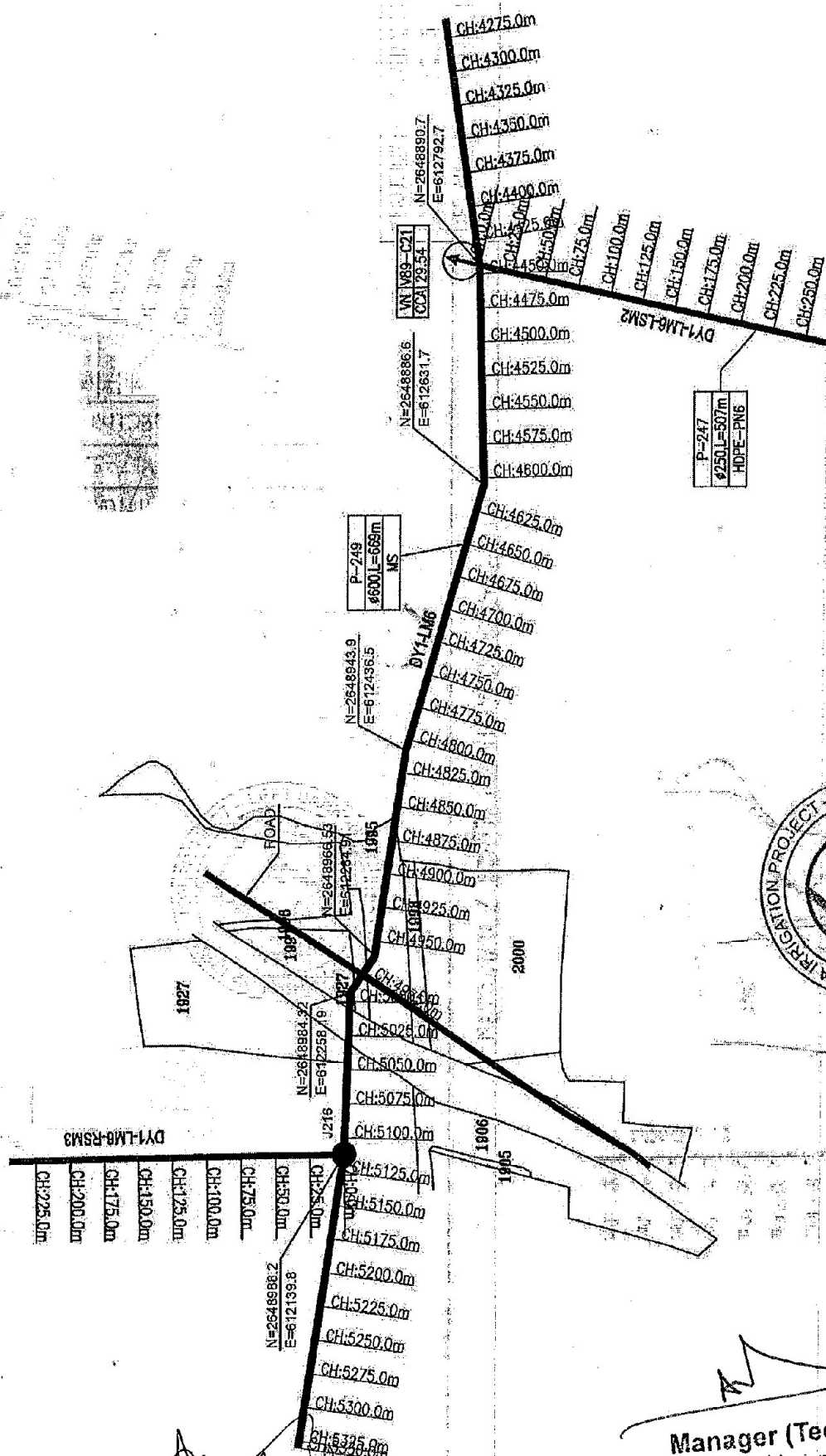


PROJECT:- KUNDALIA IBC  
DY2-RM7 (ZONE-6)  
CH AT KM STONE-141.2



*[Handwritten signature]*

Manager (Tech.)  
NHAI PIU-Ujjain (M P)



Manager (Tech.)  
NHAI PIU-Ujjain (M.P.)

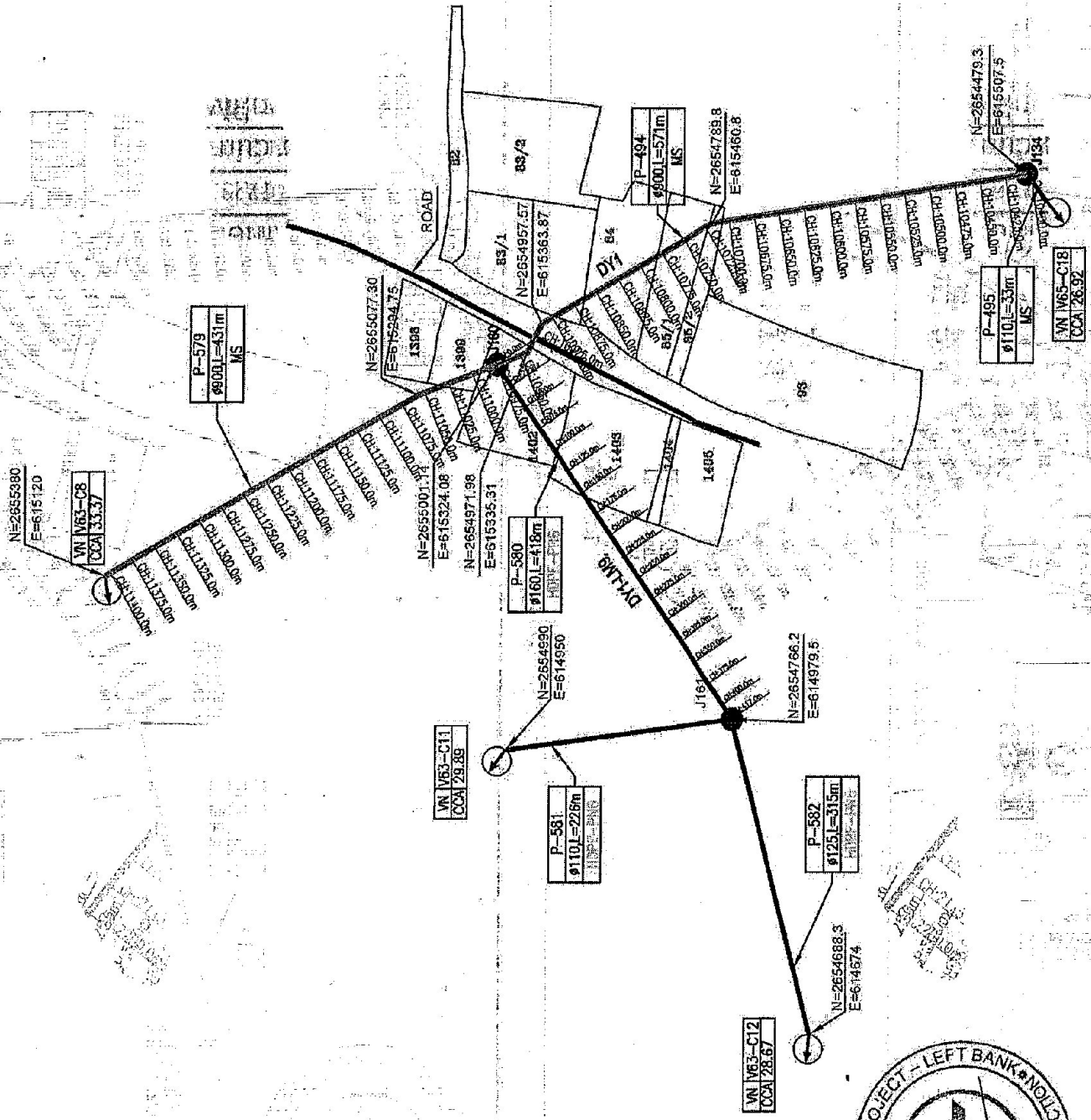


Manager (Tech.)  
NHAI PIU-Ujjain (M P)

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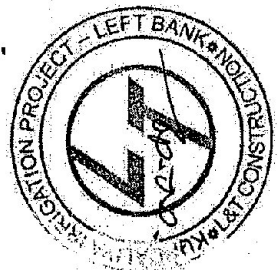
PROJECT - KUNDALIA IBC  
DYL (ZONE-5)  
CH AT KM STONE-158.2

NATIONAL / STATE HIGHWAY CROSSING



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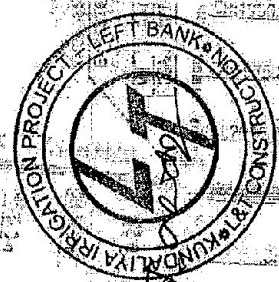
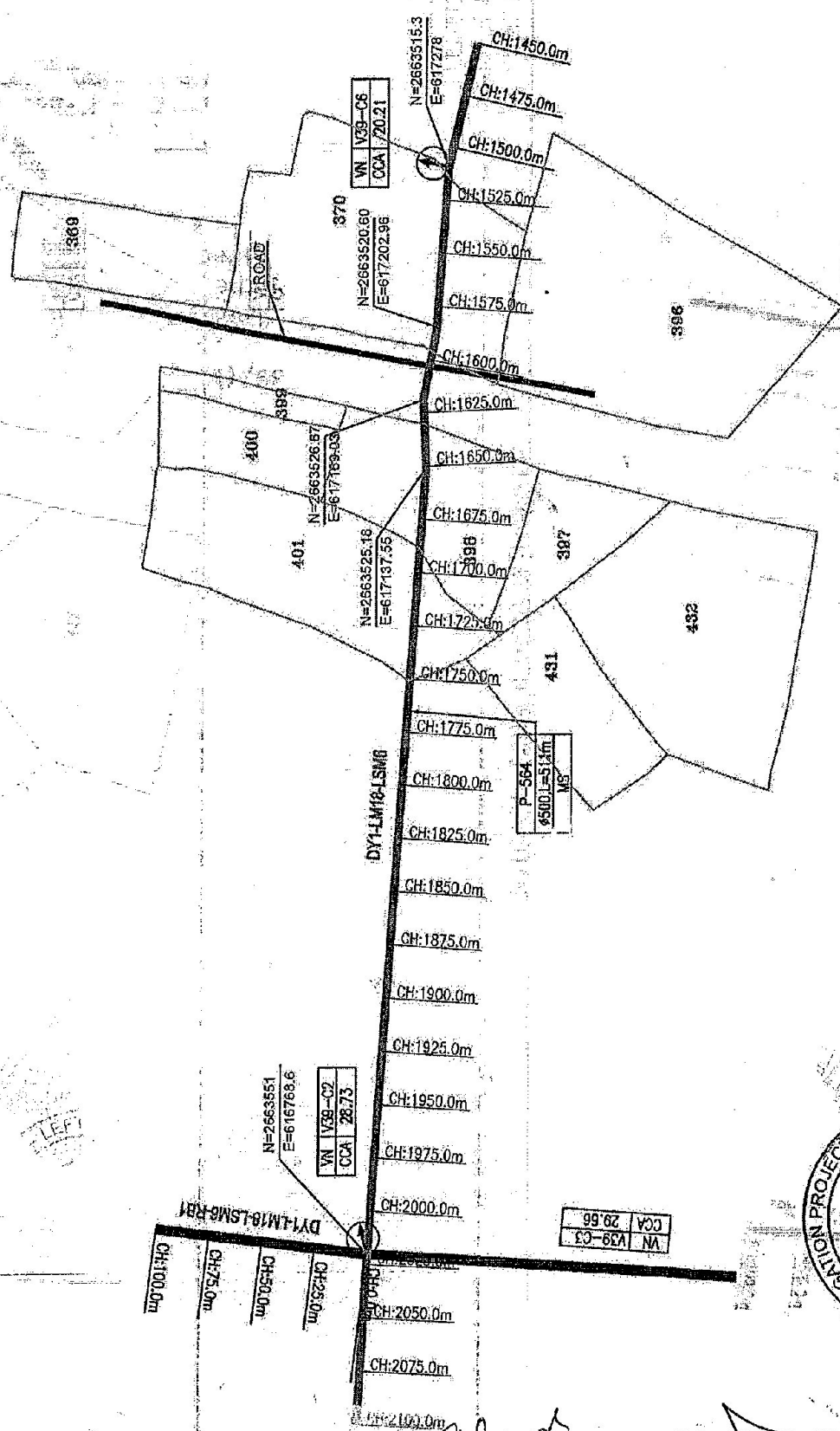
Manager (Tech.)  
NHAI PIU-Ujjain (M P)





PROJECT:- KUNDALIA EBC  
DY1-LM18-ISM6 (ZONE-1)  
CH AT KM STONE-167.512

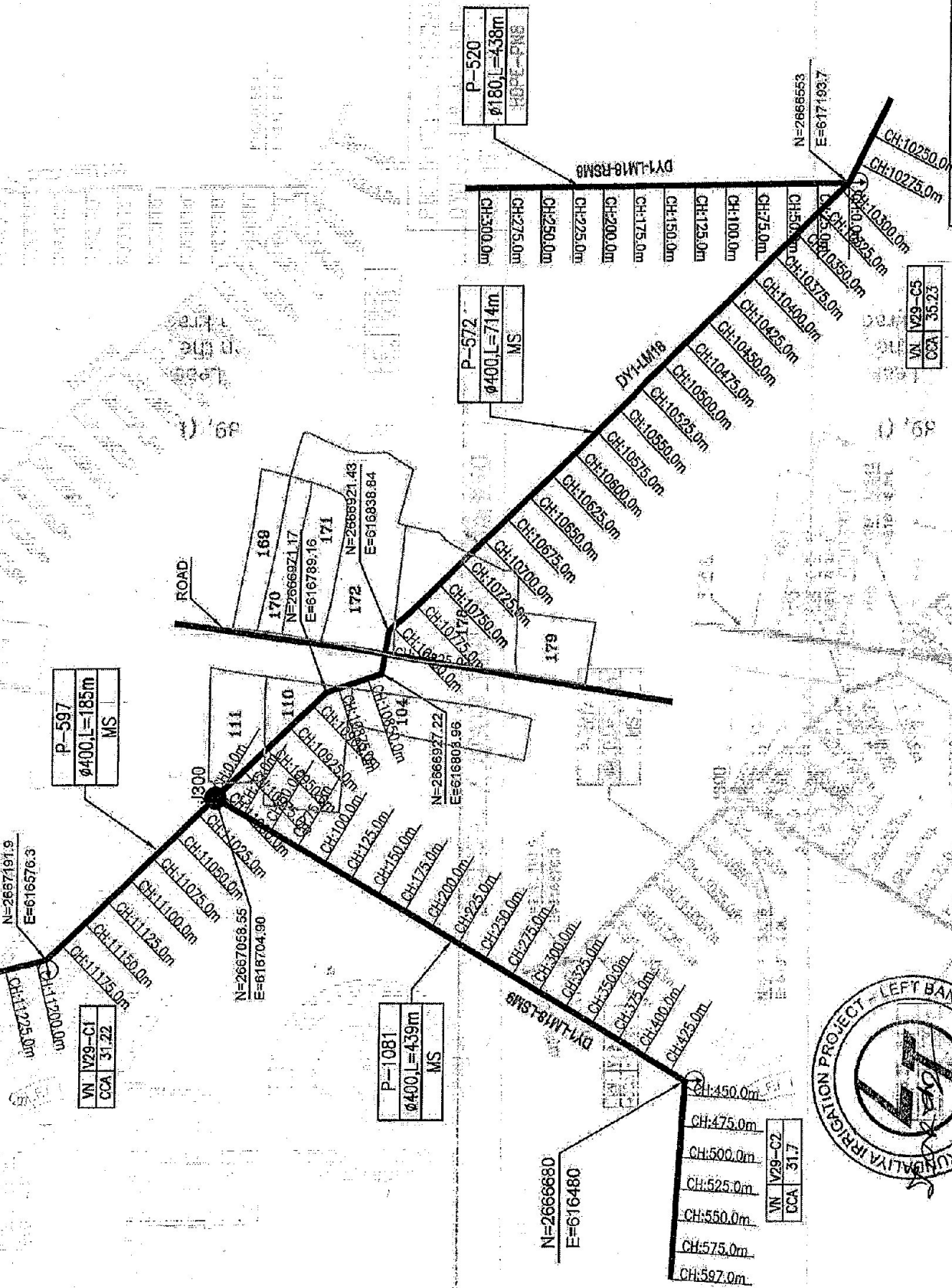
NATIONAL / STATE HIGHWAY CROSSING



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Manager (Tech.)  
NHAI PIU-Ujjain (M P)

# NATIONAL / STATE HIGHWAY CROSSING

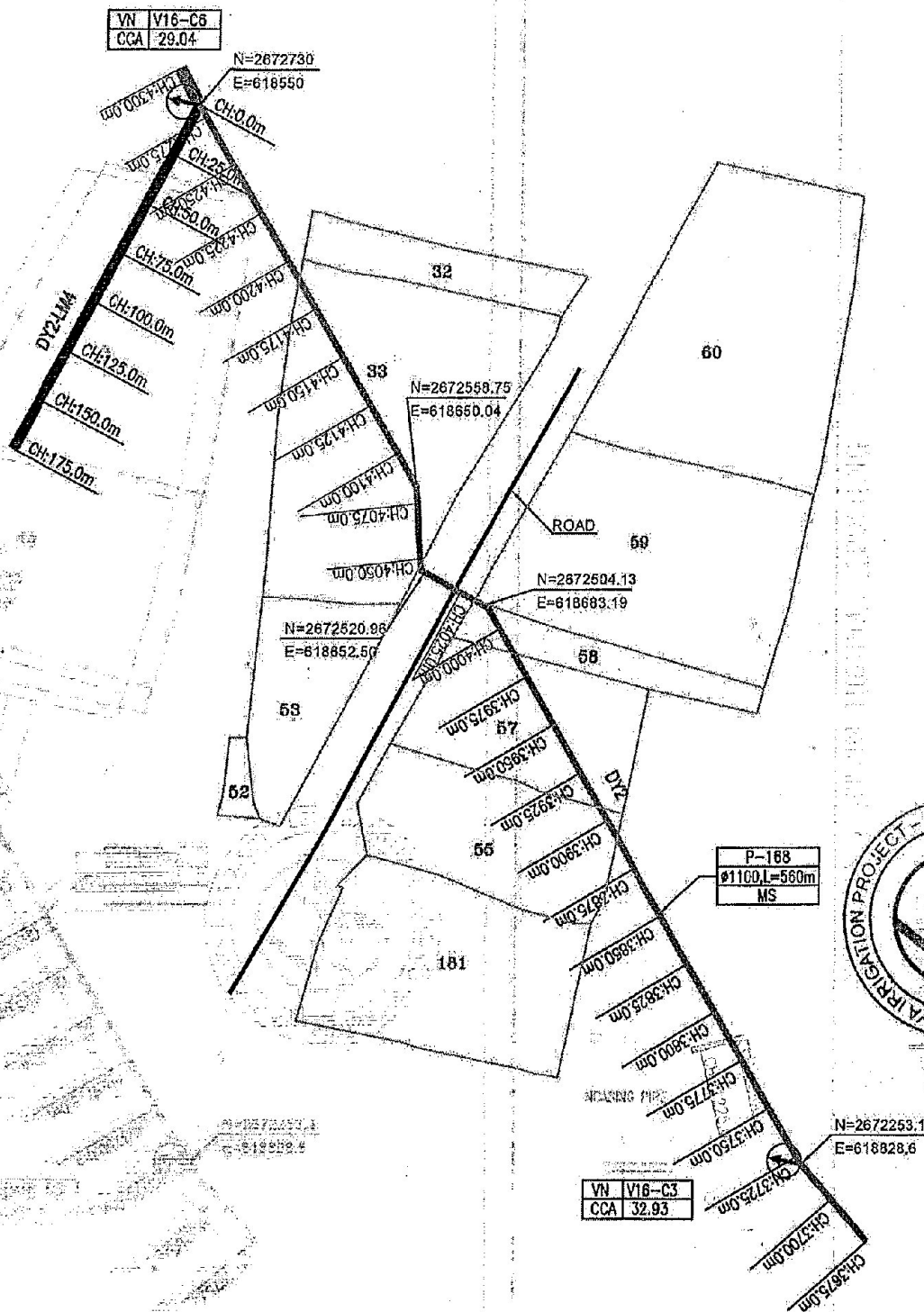


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Manager (Tech.)  
NHAI PIU-Ujjain (M P)

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# NATIONAL / STATE HIGHWAY CROSSING



*Am. Prasad*

Manager (Tech.)  
NHAI PIU-Ujjain (M.P.)

CH AT KM STONE-177.105