



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

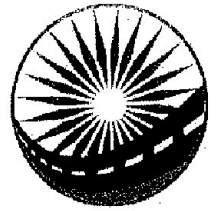
ई-2/167, अरेरा कॉलोनी, हबीबगंज रेलवे स्टेशन के पास, भोपाल (म.प्र.) 462016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.) 462016

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

NHAI/RO-MP/IND/Pipeline/Barwah Sewerage Project/2021/44343

Date: 27.09.2021



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Invitation of Public Comments

Sub: 4-laning of Balwara to Dhangaon section of NH-347BG & 753L (Indore to Boregaon-Pkg-III) Design Ch. 42.260 to Design Ch. 82.810 (Length 40.40 km) under Bharatmala Pariyojna Phase-I in the State of Madhya Pradesh - **Permission for laying of Sewerage pipeline along and cross NHAI road (NH-753L) for Barwah Sewerage Project under package-2G Funded ADB – Reg.**

Ref: 1. e-office (Computer No. 106467).
2. PD, PIU-Indore letter no. NHAI/PIU-INDORE/I-E/Sewerage Pipeline/MPUDCL/2020-21/1311 dated 02.09.2021.

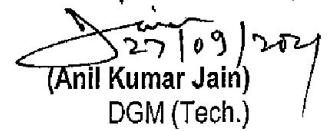
Vide above reference proposal for permission for laying of Sewerage pipeline along and cross NHAI road (NH-753L) for Barwah Sewerage Project under package-2G Funded ADB.

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 **26.10.2021** 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)
DGM (Tech.)

Copy to:

- Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, NHAI, PIU-Indore (M.P.) for information.
- The Project Manager, Madhya Pradesh Urban Development Company Limited, PIU-Khargone (M.P.) for information.

Methodology for Crossing with NHAI Road

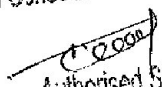
Horizontal Directional Drilling (HDD)

The horizontal directional drilling methods mainly involves two stages or process.

1. In the first stage, a small diameter pilot hole is drilled along the proposed line or center line that is desired.
2. The second stage is to enlarge the drilled pilot hole. This enlargement will help in the accommodation of the utility line which is later pulled all through the hole that is enlarged.

The process of enlargement is sometimes done at different stages, until a desired diameter of hole is obtained. The method is mainly involved in installation of pipelines or conduits.

For Annu Infra Construct India Pvt.Ltd.


Authorised Signatory

Calculation Sheet for license fees required to deposit for laying of Public Utility service along and across the NH under jurisdiction of NHAI

Name of Project - Improvement of Badwah Sewerage Scheme PKG 2G
Indore Ichchapur Road NH 753/L

Calculation of license fees as below

S. No.	Utility Details	Stretch (Rural/Urban)	Village/Town	District	Length (Mtr.)	Width (Mtr.)	Area (SqM)	Applicable Rates (Rs./SqM)	Amount (In Rupees)
1	2	3	4	5	6	7	8	9	10
1	Sewer Pipe Line	Urban	Badwah	Khargone	2878.00	0.50	1439.00	57600.00	82886400.00
2	Crossing	Urban	Badwah	Khargone	26.00	0.50	13.00	57600.00	748800.00
					2904			Total	83635200

Calculation

So, Net License Fees (Rs/Month)= Total Value of col. 10/10X12	696960.00
License fees for 5 Years	41817600
For public utility@33%	
License fees for public utility for 60 months(5 Years) = Lease rent for 5 years X 33%	13799808
Total Amount of License fee Rs.	13799808.00

#NOTE:- Calculated the amount as per district magistrate guideline & NORTH Circular. This amount is not finalised for year second.

S. No.	Utility Details	Stretch (Rural/Urban)	District	Nos	Length (Mtr.)	Width (Mtr.)	Area (SqM)	Applicable Rates (Rs./SqM)	Amount (In Rupees)
1	2	3	4	5	6	7	8	9	10
1	Crossing amount not refundable	Urban	Khargone	2	0.00	0.00	0.00	100000.00	200000.00
								Total [In Rs.]	200000.00

G. K. Jaiswal
उपयंत्री (सिविल)
गीतांजली बघेल

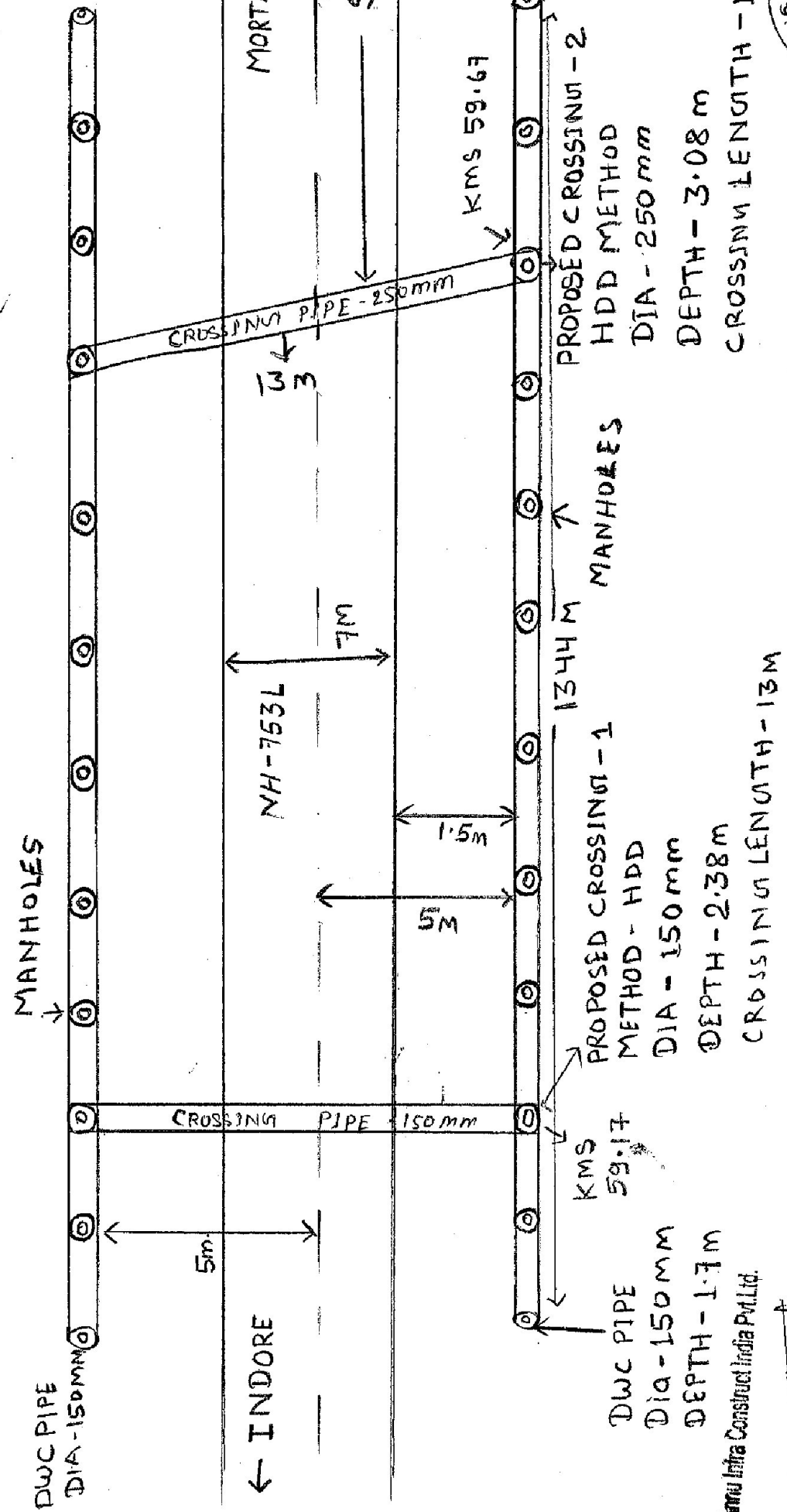
परियोजना क्रियान्वयन इकाई सहायक
नगर विकास एवं सार्वजनिक कर्मचारी

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मुख्य नगर पालिका अधिकारी
नगर पालिका परिषद्, बड़वाह

[Signature]
Authorized Signatory

CULVERT

Site Map Showing the Crossing & Pipe laying LENGTH OF PIPE 1544m



Indra Infra Construct India Pvt.Ltd.

Authorised Signatory
Kumar

Dr. J. P. Kumar

परियोजना प्रियान्वयक
मध्य प्रदेश राजमार्ग विकास निगम
गुवाहाटी, असम



मुख्य नगर पालिका अधिकारी
नगर पालिका परिषद, बड़वाह

OFFSET DRAWING OF CROSSING AT NH 753L

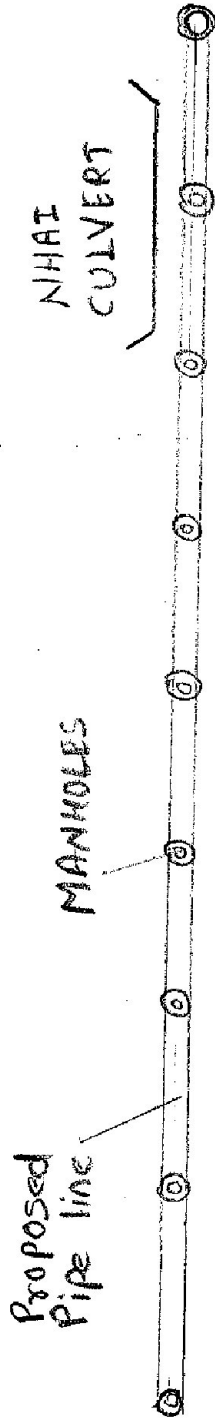
1) Total proposed pipe length along the road - 2878m

2) Total No of Crossing - 02 NOS

3) Pipe Details - DWC Pipe 150mm & 250mm dia

OFFSET DRAWING

BARWAHA TOWN

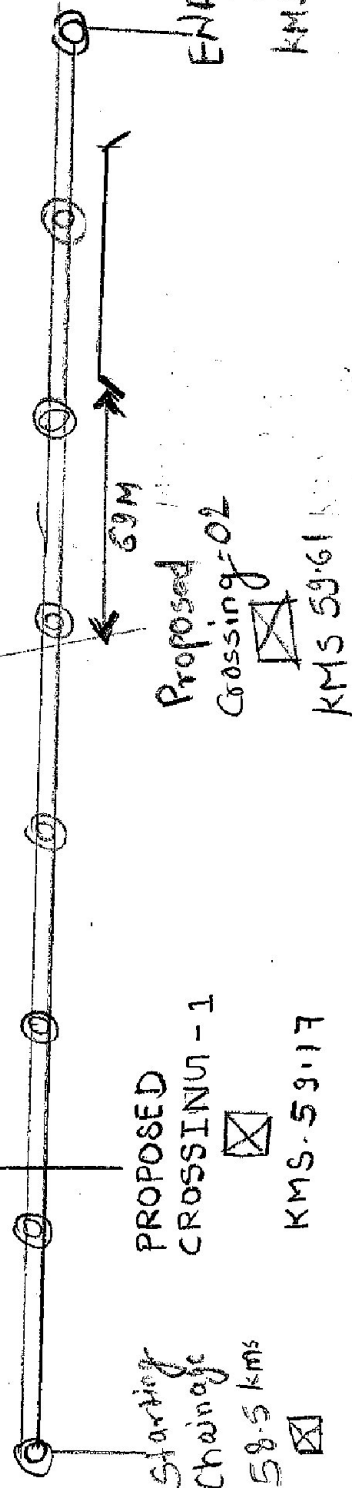


NHAI
MORTAKKA
BRIDGE

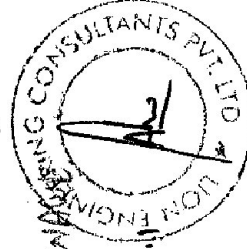
NHAI ROAD - 753L

MORTAKKA →

← INDORE



NARMADA
RIVER



BARWAHA TOWN

Amind Kumar

For Anna Infra Construct India Pvt Ltd.

Authorised Signatory

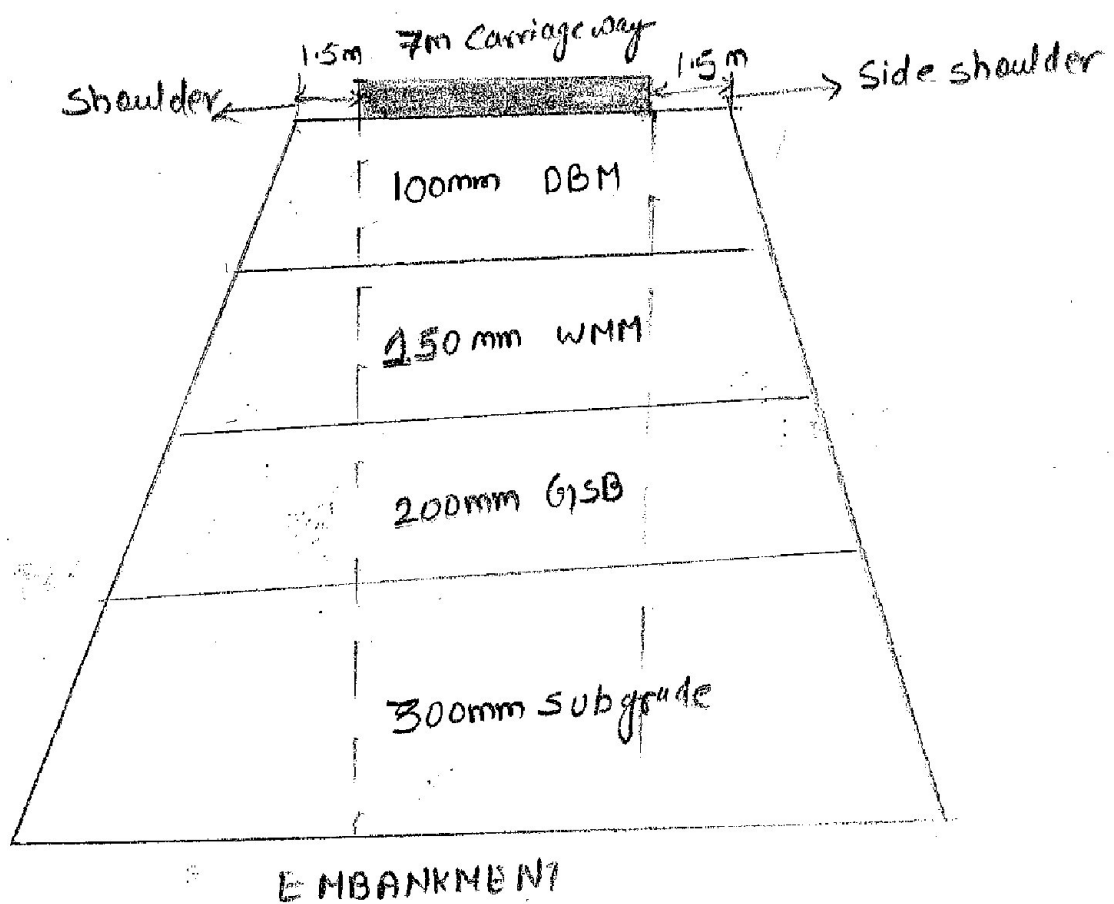
Note:- OFFSET 01 - Crossing NO. 02 is 69M away from NHAI CULVERT.

OFFSET 02 - Crossing NO. 02 is at approx 3km from NARMADA - MORTAKKA BRIDGE

उपयंत्री (सिविल)
गीतांजली बघेल
परियोजना क्रियान्वयन इकाई खगोल
कच्यप्रदेश अर्बन डेवलपमेंट कम्पनी लि.

मुख्य नगर पालिका अधि
नगर पालिका परिषद्, ब

CROSS-SECTION OF CARRIAGEWAY



For Annu Infra Construct India Pvt.Ltd.

Authorised Signatory



Anurag Kumar

Gulamjale

उपयंत्री(सिविल)

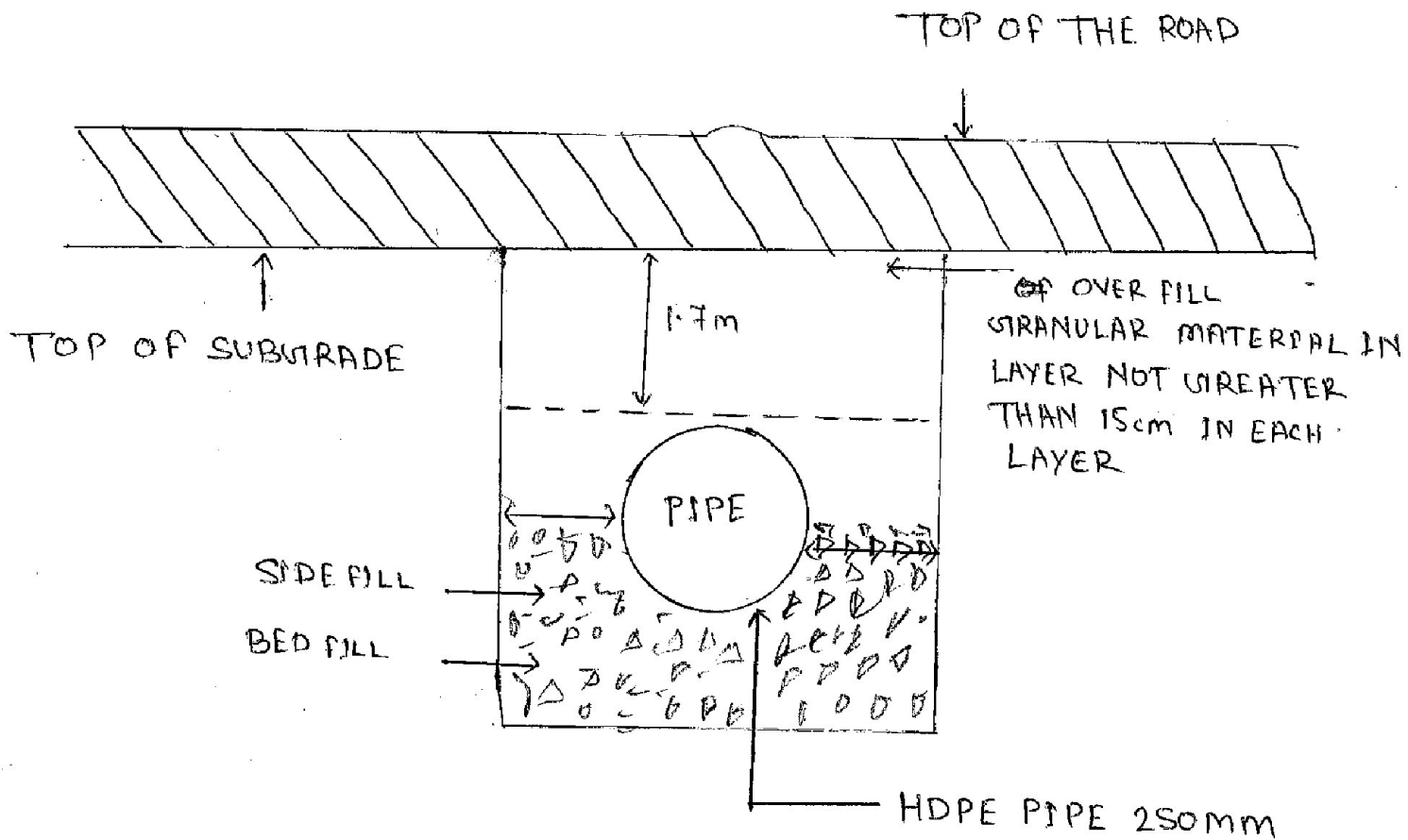
गीतांजली बघेल

परियोजना क्रियान्वयन इकाई खरगोई

मध्यप्रदेश अर्बन डेवलपमेंट कम्पनी लि

मुख्य नगर पालिका अधिकारी
नगर पालिका परिषद्, बड़वाह

Trench Cross-Section



Anand Kumar

For Annu Infra Construct India Pvt.Ltd.

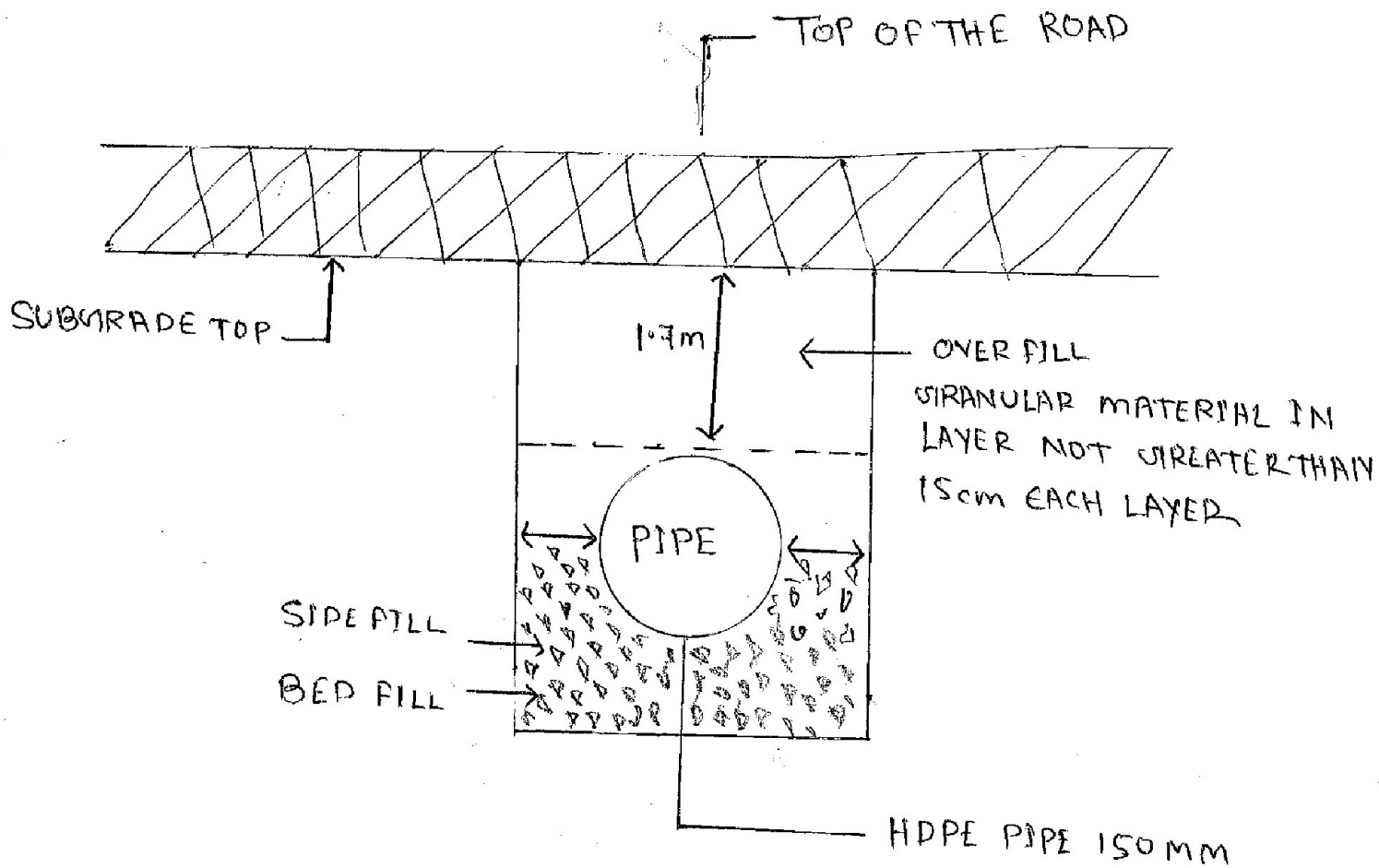
Authorised Signatory



Santosh Jyoti
 उपयंत्री (सिविल)
 गीतांजली बघेल
 परियोजना क्रियान्वयन इकाई खरगोन
 एन.एन.ए. अर्बन डेवलपमेंट कम्पनी लि

3
 मुख्य नगर पालिका अधिकारी
 नगर पालिका परिषद्, बड़वाह

Trench Cross section



Arvind Kumar

For Annu Infra Construct India Pvt. Ltd.

Authorised Signatory

Gustamjaly

उपयंत्री (सिविल)
मीतांजली बघेल

परियोजना क्रियान्वयन इकाई खरगोन
मध्य प्रदेश अर्बन डेवलपमेंट कम्पनी लि.

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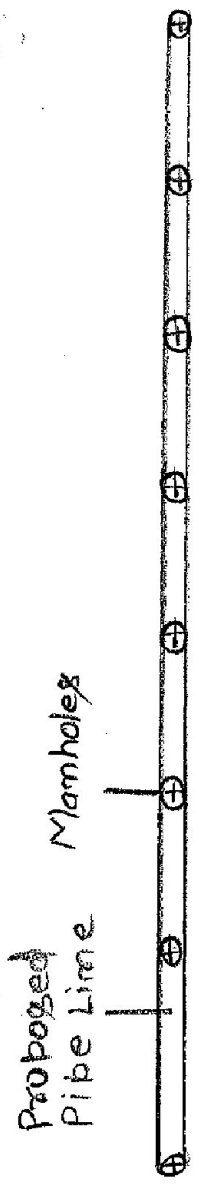
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नगर पालिका परिषद्, बड़वाह



OFFSET DRAWING OF CROSSING AT NH 753L

BARWAHA TOWN

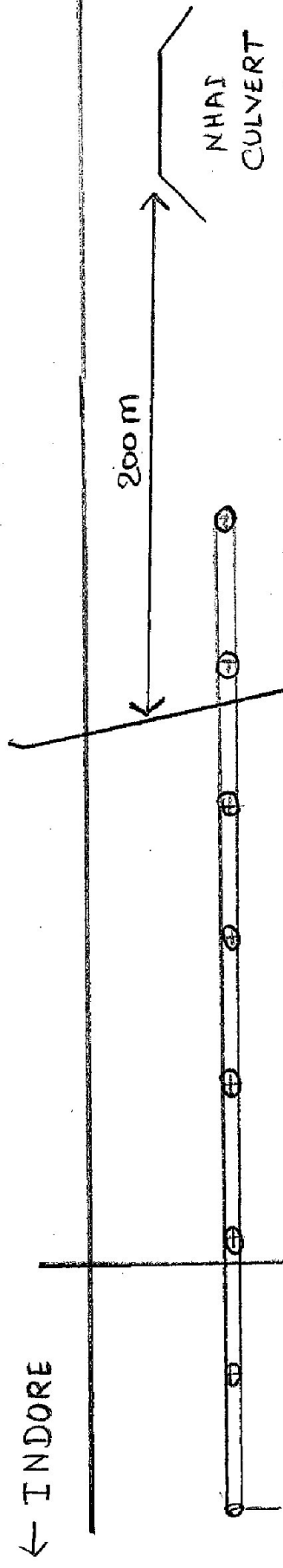
- 1) Total Proposed Pipe length along the road - 2878m
- 2) Total No of Crossing - 2 Nos.
- 3) Pipe Details - Dwc Pipe 150 mm & 2250 mm dia.



NHAI-753L

MORTAKKA

← INDORE



STARTING CHAINAGE
58.5 kms

PROPOSED CROSSING -1
KMS-59.17

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PROPOSED CROSSING -2
KMS 59.61

END CHAINAGE



KMS 60.1 For Annu Infra Construct India Pvt Ltd.

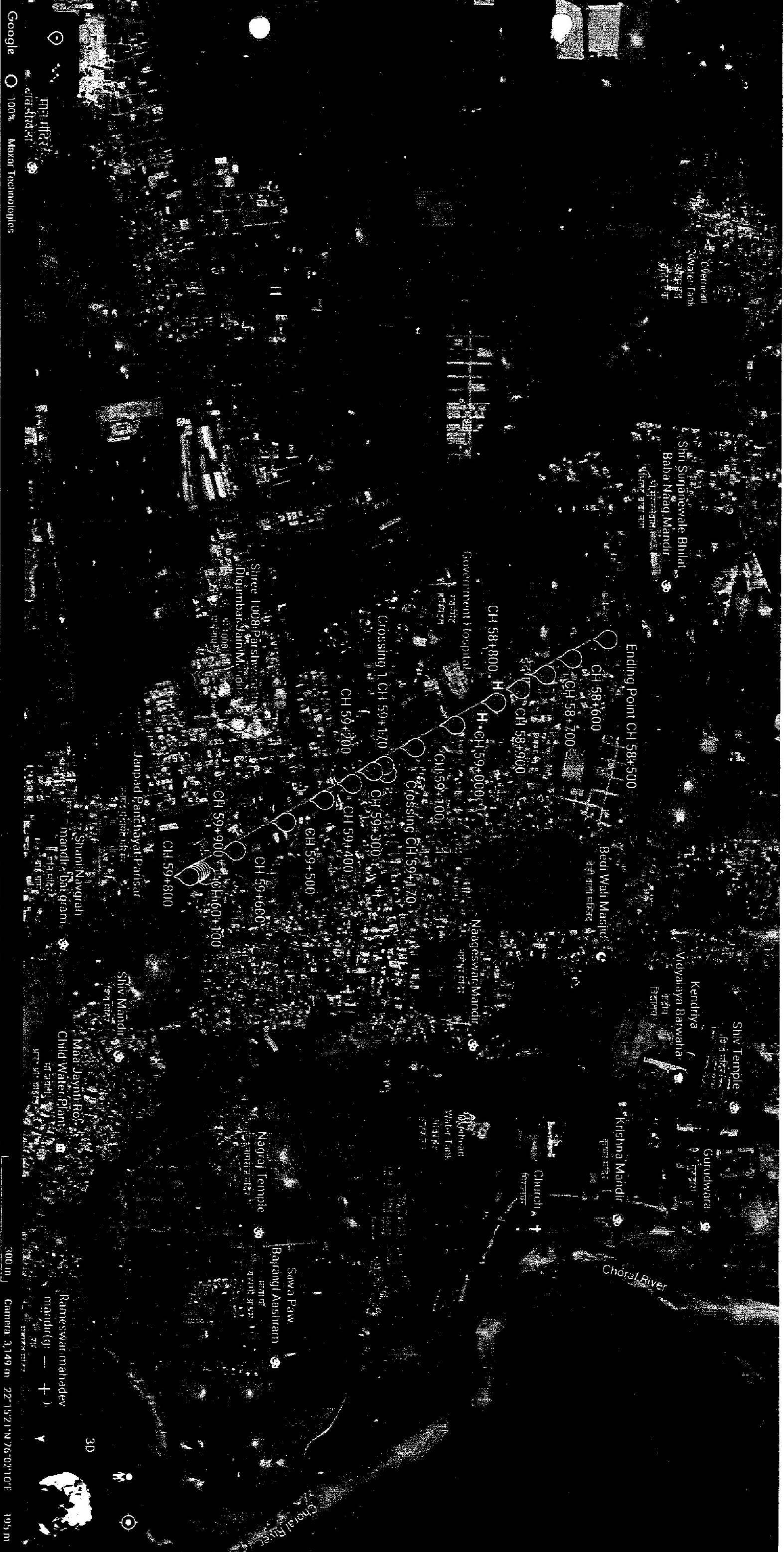
Authorised Signatory

NOTE - OFFSET-01-Crossing No2 is 200m away from NHAI CULVERT
OFFSET-2 - Crossing No2 is at approx 3km from NARMADA-MORTAKKA BRIDGE

NARMADA RIVER

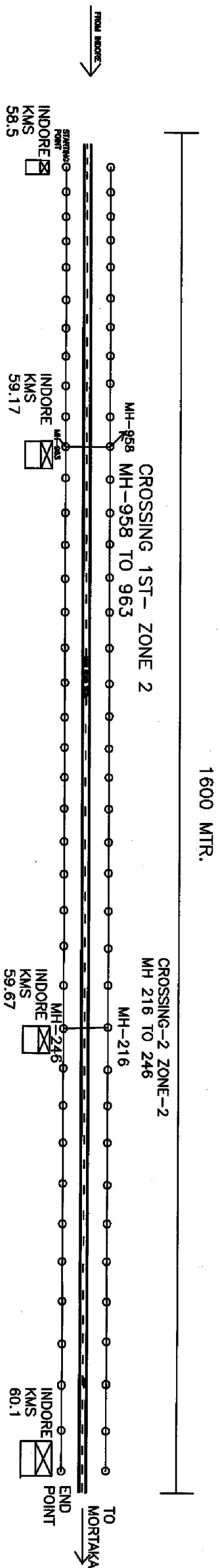
NHAI CULVERT

NHAI CULVERT



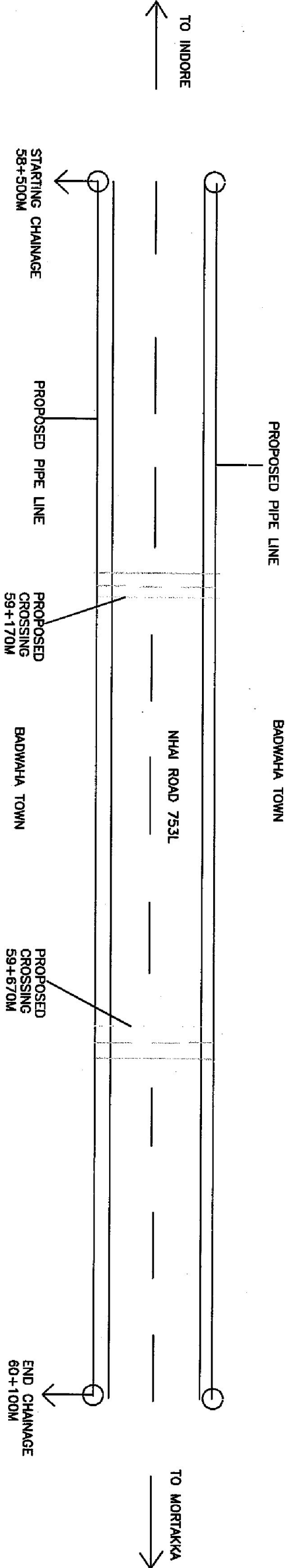
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नगर पालिका परिषद्, बड़वाह

LAYING AND CROSSING ALONG THE N.H. 753 L

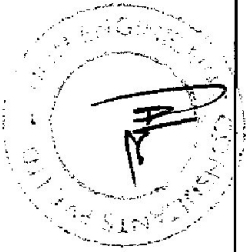


TOTAL PROPOSED PIPE LAYING (km 80% and 20% Laying)	1800 MTR (km)
TOTAL PROPOSED CROSSING	02 NOS.
PROPOSED CROSSING MANHOLE NO.	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-122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OFFSET DRAWING OF CROSSING AT NH-753L



TOTAL PROPOSED PIPE LENGTH	1600M(LHS) 1600M(RHS)
TOTAL PROPOSED CROSSING	02 NOS.
PIPE DETAILS - DWC-150MM FOR LAYING ALONG NHAI ROAD	



For-Asom Infra Construct India

Authorised Signatory

[Signature]

उपवी (सिबिल)

मीताजली बघेल

परियोजना डायरेक्टर इकाई संरक्षण

नगरपालिका अर्द्ध डेवलपमेंट कंपनी लि.

मुख्य नगर पालिका अधिकारी

नगर पालिका, बडवाह

CROSS SECTION DETAILS

BT/CC PER
EXTISING

ROAD

G S B

GL

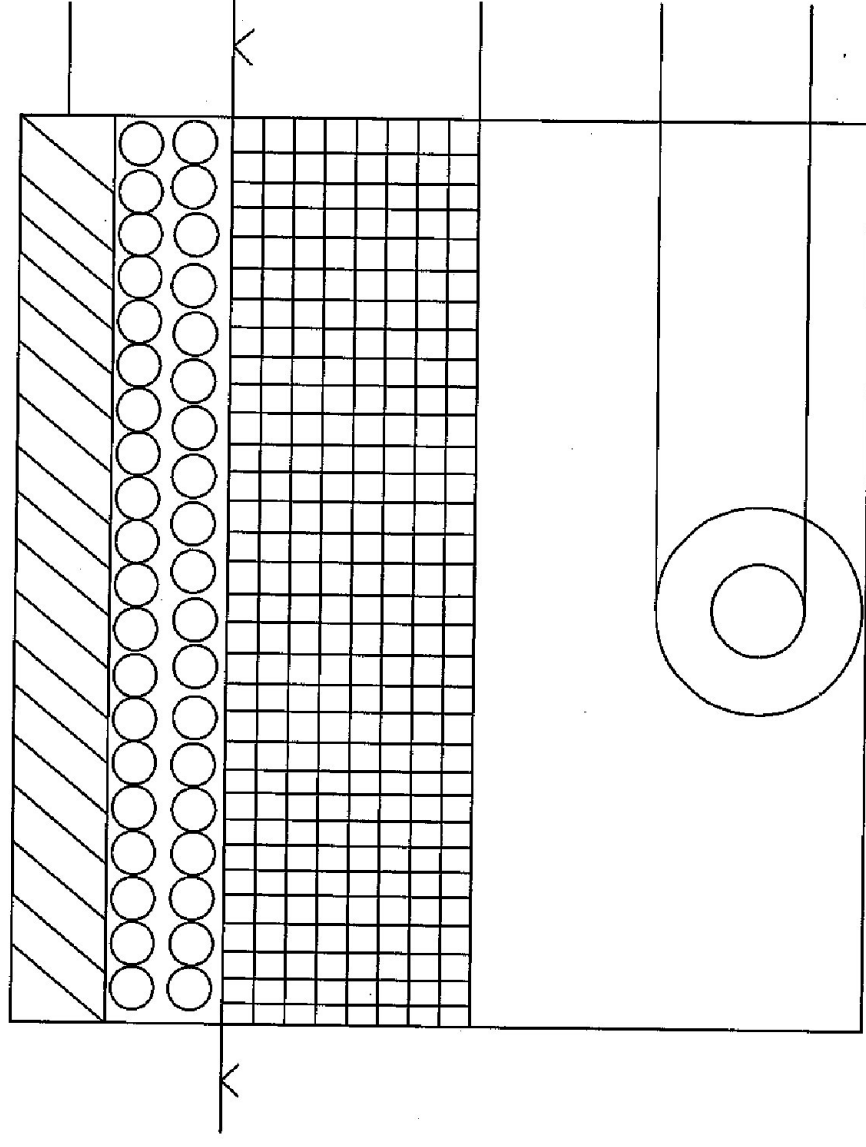
EARTH

FILLING

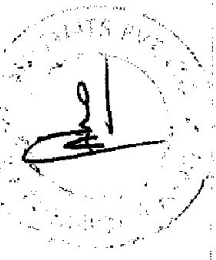
CASING

PIPE

PIPE



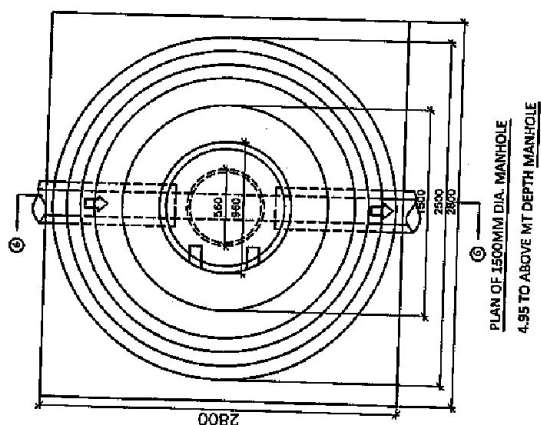
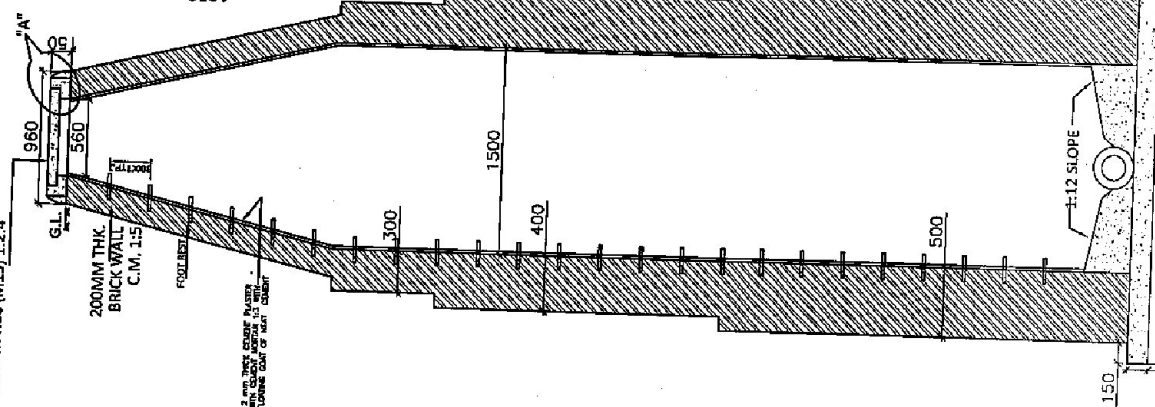
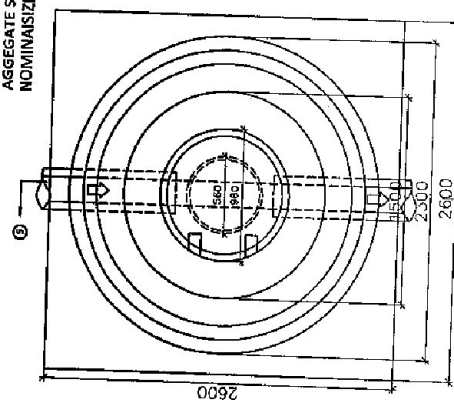
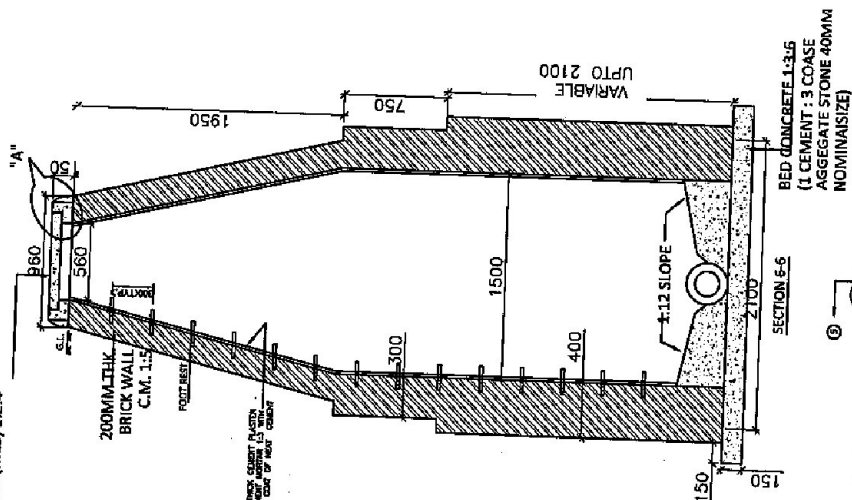
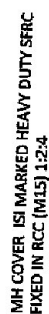
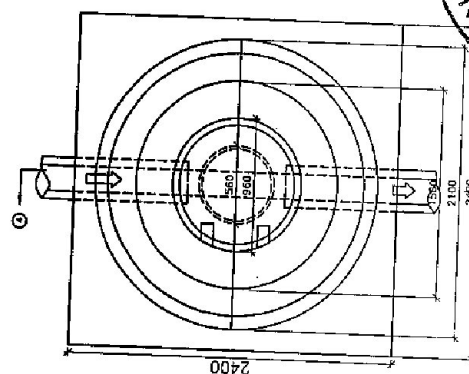
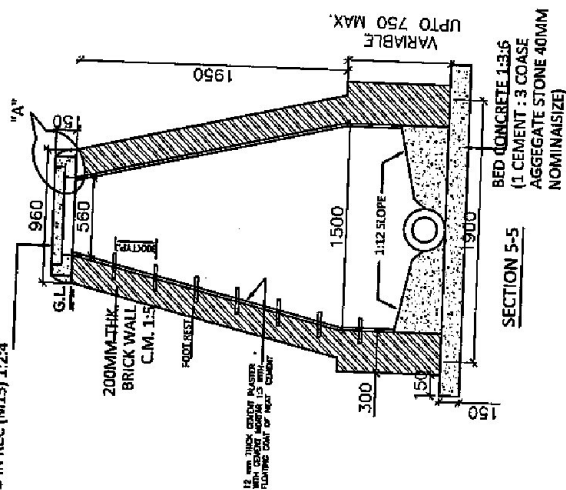
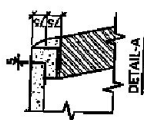
CROSS SECTION PLAN FOR ROAD CROSSING



मुख्य नगर पालिका अधिकारी
नगर पालिका, बड़वाह

For-Annai Infra Construct India Pvt.Ltd.
Deo
Authorised Signatory

Deo
उपपंजी (सिविल)
गीतांजली बघेल
परियोजना क्रियान्वयन इकाई खराोन
मध्यप्रदेश अर्बन डेवलपमेंट कम्पनी लि.



ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
PROVISION OF BEDDING AS PER DESIGN DETAILS.
FOOT REST WILL BE OF 20M STEEL BAR

27
मुंबई नगर पालिका अधिकारी
नगर पालिका, बड़वाड

[illegible]

2800
SECTION 6.5
उपयंत्र (सिक्लि)
गीतांजली बघेल
BEST CONCRETE 1:3:6
AGGREGATE STONE 40MM
CEMENT : 3 COARSE
(MINIMUM SIZE)

परियोजना क्रियान्वयन इकाई सहयोग
मध्यप्रदेश अर्बन डेवलपमेंट कॉम्पनी लि.

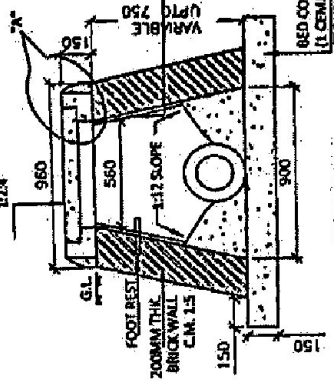
PLAN OF 1500MM DIA. MANHOLE
2.30 TO 2.85 MT DEPTH MANHOLE

MH COVER IS MARKED HEAVY DUTY STRC
FIXED IN RCC (M15) 1:2:4

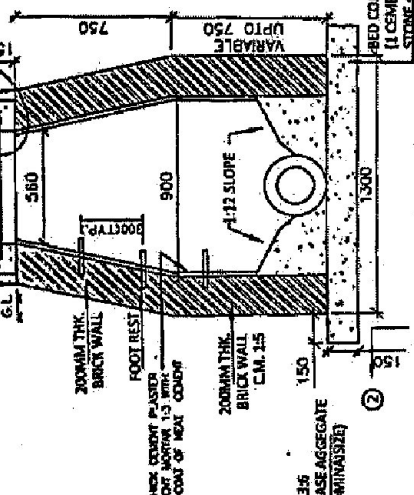
MH COVER IS MARKED HEAVY DUTY STRC
FIXED IN RCC (M15) 1:2:4

MH COVER IS MARKED HEAVY DUTY STRC
FIXED IN RCC (M15) 1:2:4

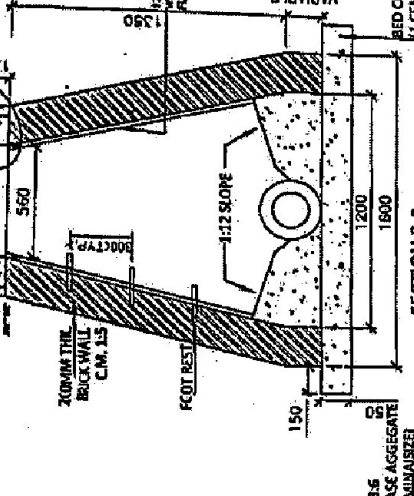
MH COVER IS MARKED HEAVY
DUTY STRC FIXED IN RCC (M15)
1:2:4



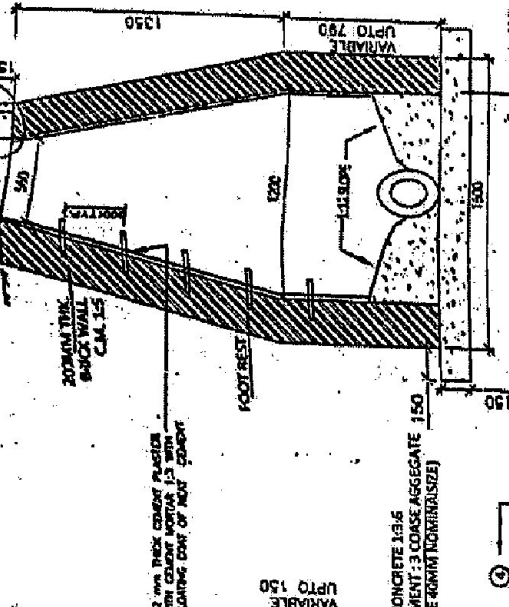
SECTION 1-1



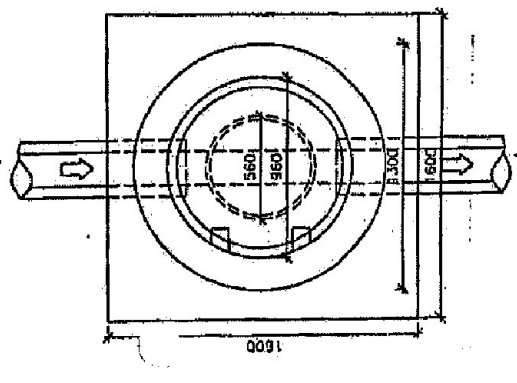
SECTION 2-2



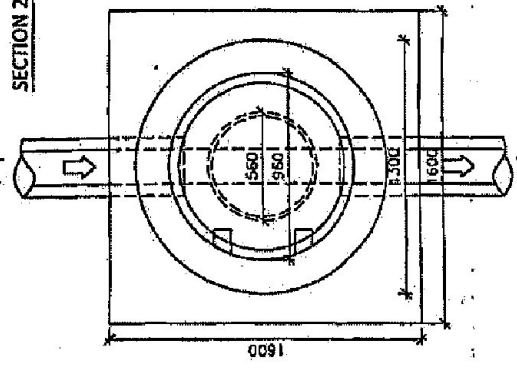
SECTION 3-3



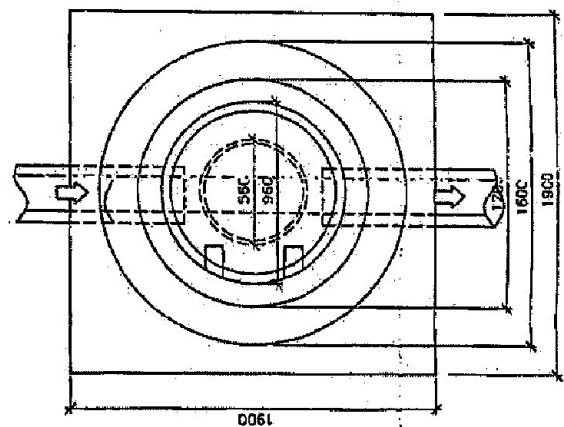
SECTION 4-4



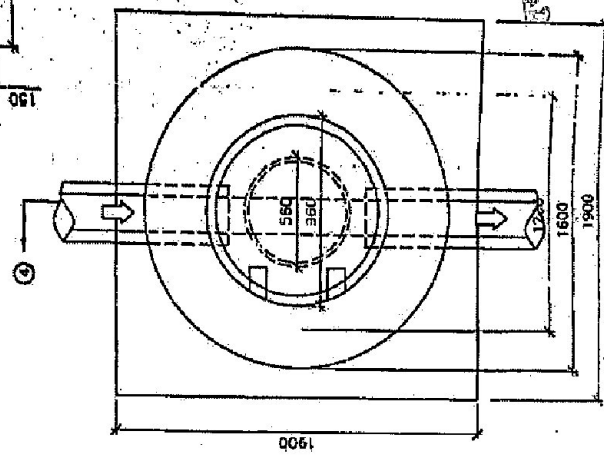
PLAN OF 900MM DIA. MANHOLE
UPTO TO 0.90MT DEPTH



PLAN OF 900MM DIA. MANHOLE
UPTO TO 1.650 MT DEPTH



PLAN OF 1200MM DIA. MANHOLE
UPTO TO 1.651 MT DEPTH



PLAN OF 1200MM DIA. MANHOLE
UPTO TO 2.290 MT DEPTH

- NOTE:-
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED
 2. PROVISION OF REINFORCING AS PER DESIGN DETAILS.
 3. FOOT REST SHALL BE OF 200 STEEL BAR

नगर पालिका अधिकारी
नगर पालिका, बरेवा

NO.	DATE	REVISION	BY	CHECKED BY	APPROVED BY	DESIGNING
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For Annu Infra Construct India Pvt. Ltd.
मध्य प्रदेश अर्द्ध इंफ्रास्ट्रक्चर प्रा. लि.
परियोजना क्रिया-चक्रन इकाई ड्राफ्टिंग
मीतांजली ववेल
उपयंत्री (सिविल)
For Annu Infra Construct India Pvt. Ltd.
मध्य प्रदेश अर्द्ध इंफ्रास्ट्रक्चर प्रा. लि.
परियोजना क्रिया-चक्रन इकाई ड्राफ्टिंग
मीतांजली ववेल
उपयंत्री (सिविल)
Authorised Signatory
Authorised Signatory