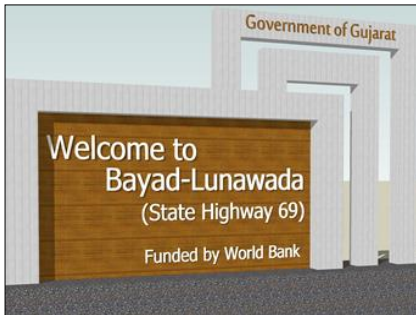


**ROADS AND BUILDINGS DEPARTMENT  
GOVERNMENT OF GUJARAT**



**Gujarat State Highway Project - II**

**Volume-V:  
Resettlement Action Plan (RAP)  
(BAYAD- LUNAWADA)**

**19<sup>th</sup> July, 2013**

# VOLUME-V

## RESETTLEMENT ACTION PLAN

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## Abbreviations

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AAGR	-	Average Annual Growth Rate
AIDS	-	Acquired Immune Deficiency Syndrome
BPL	-	Below Poverty Line
CoI	-	Corridor of Impact
ESMU	-	Environmental and Social Management Unit
FGD	-	Focused Group Discussion
GoG	-	Government of Gujarat
GSACS	-	Gujarat State Aids Control Society
GSHP	-	Gujarat State Highways Project
GWSSB	-	Gujarat Water Supply and Sewerage Board
Ha	-	Hectare
HH	-	Household
HIV	-	Human Immunodeficiency Virus
HPP	-	HIV/AIDS Prevention Plan
Km	-	Kilometre
LA	-	Land Acquisition
LASA	-	LEA Associates South Asia Pvt. Ltd.
LHS	-	Left Hand Side
MDR	-	Major District Road
M&E	-	Monitoring and Evaluation
NGO	-	Non-Governmental Organization
NRRP	-	National Rehabilitation and Resettlement Policy
OBC	-	Other Backward Classes
OP	-	Operational Policy
PAF	-	Project Affected Family
PAP	-	Project Affected Person
PIU	-	Project Implementation Unit
R&BD	-	Roads and Buildings Department
R&R	-	Resettlement and Rehabilitation
RAP	-	Resettlement Action Plan
RHS	-	Right Hand Side
RoW	-	Right of Way
RPF	-	Resettlement Policy Framework
SC	-	Scheduled Caste
SH	-	State Highway
SIA	-	Social Impact Assessment
sq.m	-	Square Meter
ST	-	Scheduled Tribe
WHH	-	Woman Headed Household
WPR	-	Workforce Participation Ratio

## Terms and Definitions

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- a. **Agricultural land** means land being used for the purpose of: (i) agriculture or horticulture; (ii) raising of crops, grass or garden produce; and (iii) land used by an agriculturist for the grazing of cattle, but does not include land used for cutting of wood only;
- b. **Assistance** refers to the support provided to PAPs in the form of ex-gratia payments, loans, asset services, etc. in order to improve the standard of living and reduce the negative impacts of the project.
- c. **Below poverty line or BPL Family** means below poverty line families as defined by the Planning Commission of India, from time to time, and those included in the State BPL list in force.
- d. **Compensation** refers to the amount paid under Consent Award as part of The Land Acquisition Act, 1894. For private property, structures and other assets acquired for the project, it refers to the amount as given in the Entitlement Matrix for the project.
- e. **Cutoff Date:** the date of Notification under Section 4(1) of Land Acquisition Act, 1894 shall be the cutoff date where the land acquisition will be required. For non-titleholders the date of census survey shall be considered as the cutoff date.
- f. **Encroachers** are those person/family, who transgresses into the public land (prior to the cut-off date), adjacent to his/her own land or other immovable assets and derives his/her additional source of shelter/livelihood.
- g. **Family** includes a person, his or her spouse, minor sons, unmarried daughters, minor brothers, unmarried sisters, father, mother and other relatives residing with him or her and dependent on him or her for their livelihood; and includes “nuclear family” consisting of a person, his or her spouse and minor children.
- h. **Government** refers to the Government of Gujarat.
- i. **Land acquisition** means acquisition of land under the Land Acquisition Act, 1894, as amended from time to time.
- j. **Marginal farmer** means a cultivator with an unirrigated land holding up to one hectare or irrigated land holding up to half hectare;
- k. **Non-Perennial Crop:** Any plant species, either grown naturally or through cultivation that lives for a season and perishes with harvesting of its yields has been considered as a non-perennial crop in the project. For example, paddy, sugarcane, groundnut, etc.
- l. **Notification** means a notification published in the Gazette of India, or as the case may be, the Gazette of State;
- m. **Perennial Crop:** Any plant species that live for years and yields its products after a certain age of maturity is a perennial crop. Generally trees, either grown naturally or by horticultural and yield fruits or timber have been considered as perennial crop in the project. For example, tamarind, coconut, mango, etc. are perennial crops.
- n. **Project Affected Family (PAF)** means- (i) a family whose primary place of residence or other property or source of livelihood is adversely affected or involuntarily displaced by the acquisition of land for the project (ii) any tenure holder, tenant, lessee or owner of other property, who on account of acquisition of land in the affected area of otherwise, has been involuntarily displaced from such land or other property; (iii) any agricultural or non-agricultural labourer, landless person (not having homestead land or agricultural land) rural artisan, small trader or self-employed person; who has been residing or engaged in any trade, business, occupation or vocation in the affected area, and who has been deprived of earning his livelihood or alienated wholly or substantially from the main source of his trade, business, occupation or vocation because of the acquisition of land in the affected area or being involuntarily displaced for any other reason.
- o. **Project Affected Household (PAH):** A social unit consisting of a family and/or non-family members living together, and is affected by the project adversely and/or positively.
- p. **Project Affected Persons (PAPs),** any persons who have economic interests or residence within the project impact corridor and who may be adversely affected directly by the project. PAP include those losing commercial or residential structures in whole or part, those losing agricultural land or homestead land in whole or part, and those losing income sources as a result of project

action. PAPs would be of two broad categories, 'PAPs with Major Impact' and 'PAPs with Minor Impact'.

- a. **Major Impact:** those properties where the major part of the structure/land is affected and becomes untenable and the affected party is unable to live/do business in the unaffected portion of the property, OR, 25% or more portion of the property is affected.
- b. **Minor Impact:** all other impacts other than major impact will be treated as minor impacts, OR, those properties where a part of the structure/land is acquired and the remaining portion is intact and the affected party can continue to live/do business in the unaffected portion of the property.
- q. **Replacement Cost** of the acquired assets and property is the amount required for the affected household to replace/reconstruct the lost assets through purchase in the open market. Replacement cost will be calculated at R&BD current Schedule of Rates without depreciation. Replacement cost shall be in line with the provisos of the Entitlement Matrix of the project.
- r. **Small farmer** means a cultivator with an un-irrigated land holding upto two hectares or with an irrigated land holding upto one hectare, but more than the holding of a marginal farmer.
- s. **Squatter** means a person/family that has settled on the public land without permission or has been occupying public building without authority prior to cut-off date and is depending for his or her shelter or livelihood and has no other source of shelter or livelihood.
- t. **Tenants** are those persons having bonafide tenancy agreements, written or unwritten, with a private property owner with clear property titles, to occupy a structure or land for residence, business or other purposes.
- u. **Vulnerable Persons:** persons who are physically challenged, widows, persons above sixty years of age, below-poverty line households and woman-headed household.
- v. **Woman-Headed Household:** A household that is headed by a woman who is the major bread-earner of the household. This woman may be a widow, separated or deserted person.

## A. EXECUTIVE SUMMARY

### Background

Government of Gujarat (GoG) has taken up the second Gujarat State Highway Project (GSHP-II), covering up-gradation, maintenance and improvement of identified core road network for loan appraisal with the World Bank. Roads and Buildings Department (R&BD), GoG, has retained M/s LEA Associates South Asia Pvt. Ltd. (LASA) as Project Preparatory Works Consultants to prepare pertinent plans on widening and upgradation of highways including the assessment of social impact, preparation of Resettlement Action Plan (RAP) and Indigenous Peoples Development Plan (IPDP). As a pre-requisite towards loan appraisal with the World Bank, R&BD has selected nine corridors, aggregating to 394 km length for preparation of detailed project report. As part of the project preparation, Social Impact Assessment (SIA) has been undertaken for the proposed roads. This RAP is based on the findings of SIA carried out in Bayad-Lunawada corridor and is in line with Resettlement Policy Framework (RPF) of the project.

### Corridor Description

The total length of the project corridor is 44.86 km. The corridor starts at Bayad on SH-69 at km 00+000 and joins SH-63 at Chainage 18+250. It continues at SH-63 and runs towards North West for about 0.6 km before joining Village Road (VR)/Major District Road (MDR) which is about 11.8 km. It again joins back SH-63 at km 14+200 which ends at Lunawada at Km 00+000(Reverse Chainage). Bayad- Lunawada corridor enroutes Bayad taluka of Sabarkanta district, Virpur taluka of Kheda and Lunawada taluka of Panchmahal district. Corridor passes through 28 villages and a town (Lunawada).

### Resettlement Action Plan: Objectives

The RAP is prepared to ensure that the affected persons are: (i) informed about their options and rights pertaining to resettlement; (ii) consulted, provided with technically and economically feasible resettlement alternatives and offered choices among them; (iii) provided prompt and effective compensation at full replacement cost for loss of assets caused due to the project; (iv) provided assistance (such as shifting allowance, transition allowance, etc.) during relocation and for a transition period, to restore their livelihood and standards of living; and, (v) provided with skill development assistance such as training, in addition to compensation. The objectives of RAP are:

- To identify adverse impacts and determine mitigation measures;
- To present the entitlements and action plan for the affected persons for payment of compensation and assistance for restoring livelihoods, and improving or at least retaining the living standards in the post resettlement period.

### Right of Way and Corridor of Impact

The existing RoW along the corridor varies from 10m to 24m. Using available RoW records with the R&BD and Revenue Department, the social team verified the boundaries of private properties

within and in the vicinity of potential corridor of impact (CoI)<sup>1</sup>. The CoI for the project corridor vary between 13m to 24m<sup>2</sup>. In the present context, impacts are assessed up to CoI (Fig 1.2). Adopting the CoI approach, the impacts on land and other assets have been minimized, within acceptable design principles and standards. Development within available RoW has been considered, wherever feasible, for avoiding or minimizing impact on residential and commercial structures, water-yielding wells, schools, religious structures and agricultural land. The proposed treatment has minimal impact on land and structures.

### **Resettlement Policy Framework**

Resettlement Policy Framework (RPF) has been formulated based on the applicable and relevant laws relating to the project and also based on the bank OP 4.12 on involuntary resettlement. RPF suggests avoiding or minimizing adverse impacts by exploring all viable alternative project design. The core principles of RPF are as follows:

- Entitlements for project affected persons to cover the loss of land, structures and other assets, such as standing crops or trees. The broad categorisation of affected persons is (i) Titleholders; and (ii) Non-titleholders.
- The vulnerable sections among each of the above categories will receive additional support.
- Compensation for land at replacement cost, plus allowances for fees or other charges will be provided along with other assistances. Land will be acquired following Land Acquisition Act, 1894 and its amendments. The difference between the land cost decided as per LA Act and the updated Jantri values for the specific land parcel to be acquired will be paid by the project in the form of assistance.
- Compensation for residual unviable land parcels will be provided to those affected persons who are eligible and opting for the same.
- Compensation for loss of structures, other assets will be provided at replacement cost and will be paid before physical displacement from the occupied or affected area.
- Assistance will be provided to those affected persons who lose their livelihood due to the acquisition carried out as part of the project.
- Cut-off date for titleholders will be the date of publication of notification under Section 4(1) of Land Acquisition Act, 1894. For non-titleholders, the date of project census survey or a similar designated date declared by project authority will be considered as cut-off date.
- The households/land owners who are absent during the time of census survey will be entitled for assistance and budget provisions will include them also. However, people moving to the CoI after the cut-off date will not be entitled for any compensation or assistance.
- Loss of common property resources will be compensated and reconstructed at project cost. Enhancement measures also will be provided for community assets located alongside the project corridor in consultation with the community.

### **Cut-off Date**

Cut-off date for titleholders is date of section 4(1) notification and for non-titleholders cutoff date is the 31<sup>st</sup> May 2012 (date of socio economic survey).

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<sup>1</sup>The Right of Way (RoW) is the lawfully acquired corridor of public land owned by the State Government and administered by R&BD for transit. The CoI is the width required for the actual construction of road, including carriageway, shoulder and embankments.

<sup>2</sup> 24 m CoI is proposed in Sathamba settlement where four lane section is proposed for the length of 1.4 km.



## Impact on Land and Structures

Census and socio-economic surveys were conducted along the proposed project stretch, considering the Corridor of Impact (CoI) of 13m and 24m. Minimum acquisition and disturbance to the existing features is the prime objective of design. Impacts on sensitive features and settlement areas is minimised through realignment, and CoI approach.

**Land Acquisition:** A total of 2.61 ha of government land and 18.05 ha private agricultural land will be acquired for geometric improvement in 10 villages – Tajpur, Lalsar, Dhamod, Sadhakpur, Hadod, Khantana Bhensavada, Madia Vakhatpur, Ucharpi and Undra. Land acquisition and resettlement of the affected persons will be carried out in accordance with the provisions of the RPF of the project.

**Categories of Impact:** Agricultural land of 313 households, 1 mixed property (residential-cum-commercial), 34 commercial structures and fencing of a vacant land will be affected. 34 Commercial structures affected belong to non-titleholders (squatters) as well as one mixed property and 1 vacant land belongs to titleholders (encroachers).

Other assets affected within the affected portion of the properties are 555 trees (private trees), 2 water taps, 3 water tanks, 8 motor pumps, 25 open/dug wells, 3 hand pumps, 1 barbed-wire fence and 3 boundary walls.

**Impact on Cultural Properties and Community Assets:** The boundary wall of a school will be affected and there will not be any impact on religious structures.

### Socio-Economic Profile

Total number of PAHs are 349 wherein 315 are titleholders (TH) and remaining 34 are non-titleholders (NTH). Total 349 PAHs comprises 2567 PAPs (based on the household size). Vulnerable groups of affected household are 41 (1 ST as well as BPL, 5 WHH and 35 BPL).

## Public Consultations

Five public consultation meetings were held along the project corridor with the communities to obtain their views and suggestions regarding the proposed project interventions. The consultations have provided inputs towards mitigation of impacts, improvement in designs, and preparation of resettlement plan and its implementation. Based on the suggestions design modifications including curve improvement, provision of road safety measures such as pedestrian crossings, warning signs, markings, etc., has been carried out.

## Implementation Arrangement

**Environmental and Social Management Unit (ESMU):** The Chief Engineer at PIU will be overall head of the project. An ESMU will be set up by R&BD within the PIU to look into the social and environmental aspects of the project and will have overall responsibility for policy guidance, coordination and planning, internal monitoring and overall reporting.

ESMU will be headed by an officer of the rank of Executive Engineer (EE), and will be responsible for all activities related to resettlement and rehabilitation. Chief Engineer (World Bank Projects) will be assisted by Superintending Engineer (SE). The EE will be assisted by an

Environmental Specialist and a Social Specialist. ESMU will be housed in R&BD headquarters in Gandhinagar. One each Executive Engineers at field divisions<sup>3</sup> will be responsible for E&S activities.

### **Implementation Support by NGO**

RAP will be implemented by the ESMU with support from a Non-Governmental Organisation (NGO) which will be selected as part of the project. The roles and responsibilities of NGO are summarized as follows:

- Explain to PAPs about the potential adverse impacts and proposed mitigation measures and, R&R entitlements;
- Distribute the dissemination materials including pamphlets on RAP and other aspects;
- Facilitate ESMU in organizing public information campaign at the commencement of R&R activities;
- Prepare the micro plans;
- Participate in the meetings organized by ESMU;
- Provide support for implementation of RAP;
- Prepare and issue identity cards to identified PAFs;
- Facilitate opening of joint bank accounts (PAPs and his/her spouse) for individual PAPs;
- Assist PAPs in receiving compensation, focusing on vulnerable PAPs to ensure that they get their dues on time;
- Generate awareness about the productive use of compensation money and R&R grants;
- Explain the resource base and other opportunities to enable them to make informed choices and participate in their own development;
- Ensure that vulnerable PAPs are given their dues both for payment of compensation and rehabilitation assistance;
- Submit monthly progress reports to ESMU;
- Identify training needs of PAPs for income generating activities and ensure they are adequately supported during the post-training period on respective income generating activities, and,
- Ensure that the grievances and problems faced by PAPs are presented to the Grievance Redress Committee for their resolution.

### **Grievance Redress Mechanism**

A Grievance Redress Committee (GRC) at the district level will be constituted to hear the complaints of project affected persons and resolve the same. The process will promote settlement of disputes and reduce litigation. GRC will be set up at the district level with District Collector as head. The following persons will be the members of GRC:

- District Collector or his designated representative of at least the rank of Assistant District Collector (preference would be given to women officers);
- The District Development Officer of the Department of Revenue;
- The Executive Engineer, PIU;

GRC will be responsible for the following: (i) Support PAPs in resolving issues related to R&R and LA; (ii) Record grievance and resolve them within stipulated time; (iii) Inform PIU about any serious cases; and (iv) Report to the aggrieved parties about the decisions of the PIU.

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<sup>3</sup> The Field Divisions of R&BD are located at Rajkot, Mehsana and Vadodara.

## Monitoring and Evaluation

Internal monitoring of the implementation of social safeguards will be carried out by the PIU with support of Project Management Consultant/Supervision Consultant. Towards enhancing the quality of RAP/IPDP implementation, in addition to the internal monitoring by the PIU, external monitoring will be done by a third-party agency or Project Management Consultant (PMC) for technical as well as environmental/social aspects.

## Public Consultation and Disclosure

In order to make the RAP implementation process transparent, a series of public disclosure meetings will be arranged. The RAP Executive Summary, translated in Gujarati language will be disclosed through public consultations and will also be made available through GSHP Website (<http://gshp2.gujarat.gov.in>).

## RAP Implementation Schedule

The construction tenure of the corridor is 24 months<sup>4</sup>. The on-ground rehabilitation and resettlement exercises and handing over the encumbrance free stretch for civil works will take 5 months and afterwards, the NGO will carry out awareness programmes on road safety, HIV/AIDS prevention campaign, repeat training for PAPs, facilitate overall monitoring, etc.

**Table 1.1: RAP Implementation Schedule: Major Activities**

Sl. No.	Major Activities	Months
1.	NGO in place	1 <sup>st</sup> month
2.	GRC in place	2 <sup>nd</sup> month
3.	Information campaign and community consultation	2 <sup>nd</sup> month onwards till 24 <sup>th</sup> month [on 6-month interval]
4.	Compensation / R&R / Clearance of Col	2 <sup>nd</sup> month onwards – to complete by 5 <sup>th</sup> month
5.	Awareness on Road Safety	3 <sup>rd</sup> month onwards – every alternate month till 24 <sup>th</sup> month
6.	External monitoring	2 <sup>nd</sup> month onwards – every 6 month till 24 <sup>th</sup> month

## Resettlement Budget

The resettlement budget include components such as compensation for land, compensation for structure (private property, cultural property and community assets), R&R assistance and contingency to cover unforeseen / unanticipated costs. The estimated total budget for the implementation of RAP for the corridor is INR 23.08 million.

Apart from this, an amount of INR 29.6 million is earmarked for cost of trainings, RAP implementing NGO, monitoring and evaluation, awareness programmes on road safety, HIV/AIDS awareness, etc., for all the project corridors to be taken up in the first phase. Escalation of these components have been considered at an annual inflation rate of 7% based on consumer price index and the escalated amount for Year-I is INR 31.7 million and for Year-II, the amount is INR 33.9 million.

<sup>4</sup> The construction tenure of individual corridors ranges from 18 months to 30 months spread across an overall period of 36 months and accordingly, R&BD has envisaged tenure of 36 months for the RAP implementing NGO.

# 1. INTRODUCTION

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## 1.1 PROJECT BACKGROUND

1. Government of Gujarat (GoG) has taken up the second Gujarat State Highway Project (GSHP-II), covering up-gradation, maintenance and improvement of identified core road network for loan appraisal with the World Bank. Roads and Buildings Department (R&BD), the responsible body for managing the project, has retained M/s LEA Associates South Asia Pvt. Ltd. (LASA) as Project Preparatory Works Consultants to prepare pertinent plans on widening and upgradation of highways including the assessment of social impact, preparation of Resettlement Action Plan (RAP) and) Indigenous Peoples Development Plan (IPDP). As a pre-requisite towards loan appraisal with the World Bank, R&BD has selected nine corridors, aggregating to 394 km length for detailed project report (DPR) preparation. As part of DPR preparation, Social Impact Assessment (SIA) has been undertaken for the proposed roads.

2. The total length of Bayad-Lunawada corridor is 44.86 km. The existing RoW along corridor varies from 10m-245 m. The proposed improvement is 2 lane with hard shoulder having carriageway width 7m to 15.5m along with hard shoulder of 1m to 1.2m. The existing two lane and intermediate lane corridor is proposed to be widened to a standard two lane facility with hard shoulder. Chainage-wise details of proposed treatment are given in Appendix 1.1. Cross-sections were designed accommodating the proposed road improvement within the available RoW, avoiding land acquisition to the extent possible.

3. This report presents the RAP, prepared based on the finding of SIA carried out along Bayad-Lunawada corridor and is in line with Resettlement Policy Framework (RPF) of the project.

### 1.1.1 Project Corridor

4. The corridor starts at Bayad on SH-69 at km 00+000 and joins SH-63 at Chainage 18+250. It continues at SH-63 and runs towards North West for about 0.6 km before joining Village Road (VR)/Major District Road (MDR) which is about 11.8 km. It again joins back SH-63 at km 14+200 which ends at Lunawada at Km 00+000 (Reverse Chainage). Bayad-Lunawada corridor enroutes Bayad taluka of Sabarkanta district, Virpur taluka of Kheda and Lunawada taluka of Panchmahal district. Corridor passes through 28 villages and a town (Lunawada).

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<sup>5</sup> 24m is proposed RoW for VR section. In general for rest is 18m wide.



for the project corridor vary between 13m to 24m<sup>7</sup>. In the present context, impacts are assessed up to CoI (Fig 1.2). Adopting the CoI approach, the impacts on land and other assets have been minimized, within acceptable design principles and standards. Development within available RoW has been considered, wherever feasible, for avoiding or minimizing impact on residential and commercial structures, water-yielding wells, schools, religious structures and agricultural land. The proposed treatment has minimal impact on land and structures.

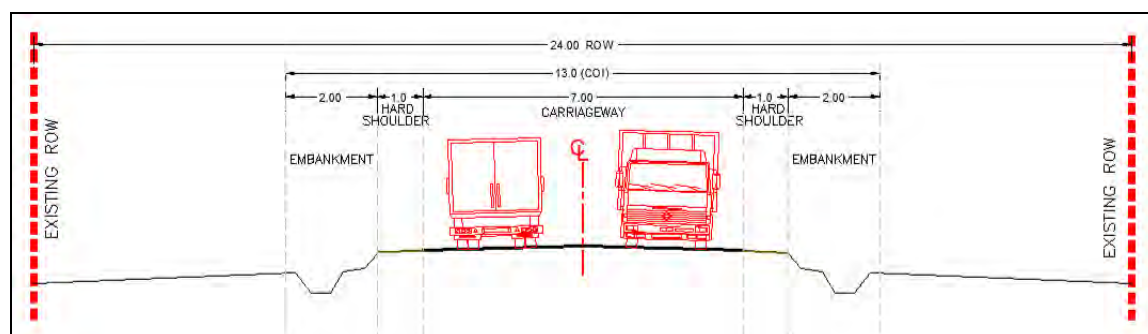


Figure 1-2: Corridor of Impact

## 1.4 REPORT STRUCTURE

7. The chapters in the report are arranged as follows:

- **Chapter 1- Introduction:** details about the proposed project, rationale and objectives of RAP and approach to resettlement planning.
- **Chapter 2 - Legal and Policy Framework:** provides an overview of the RPF of the project and also gives details about respective affected categories of project, land acquisition requirements, etc.
- **Chapter 3 - Socio Economic Profile:** describes socio-economic profile of the project area, the work participation ratio of population and a brief account of scheduled caste and scheduled tribe population.
- **Chapter 4 - Impact on People and Community Assets:** presents the nature and extent of impact on various properties alongside the corridor and the socio-economic profile of the affected population.
- **Chapter 5 - Stakeholder Consultations:** key outcomes of consultations carried out along the corridor and the ways in which the concerns and suggestions of the community were integrated into the project design are presented.
- **Chapter 6 – Other Social Issues:** provides details of issues related to gender, road safety and HIV/AIDS.
- **Chapter 7- Implementation Arrangements:** describes the institutional arrangement for the smooth implementation of RAP and the roles and responsibilities of various officials.
- **Chapter 8 - Resettlement Budget:** the compensation for affected land and structures, other assets (trees, water tap and gate, etc) and R&R assistance as per the Entitlement Matrix of the project.

<sup>7</sup> 24 m CoI is proposed in Sathamba settlement where four lane section is proposed for the length of 1.4 km.

## 2. LEGAL AND POLICY FRAMEWORK

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### 2.1 RESETTLEMENT POLICY FRAMEWORK

8. Resettlement Policy Framework (RPF) has been formulated based on the applicable and relevant laws relating to the project and also based on the bank OP 4.12 on involuntary resettlement. The RPF intends to ensure that the principles and procedures set forth in compliance with national and international policy guidelines are followed. This framework will guide in the effective management of social impacts caused by the proposed project. The RPF is based on the principle that affected persons should be in a better-off position or at least at the same level as compared to the pre-project scenario. RPF ensures greater acceptability of the project among the community and is expected to facilitate effective communication.

- Entitlements for project affected persons to cover the loss of land, structures and other assets, such as standing crops or trees. The broad categorisation of affected persons is (i) Titleholders; and (ii) Non-titleholders.
- The vulnerable sections among each of the above categories will receive additional support.
- Adverse impacts would be avoided or minimized by exploring all viable alternative project design. Where the impacts are unavoidable, the project-affected persons will be assisted for retaining or upgrading their standard of living.
- Compensation for land at replacement cost, plus allowances for fees or other charges will be provided along with other assistances. Land will be acquired following Land Acquisition Act, 1894. The difference between the land cost decided as per LA Act and the updated Jantri values for the specific land parcel to be acquired will be paid by the project in the form of assistance.
- Compensation for residual unviable land parcels will be provided to those affected persons who are eligible and opting for the same.
- Compensation for loss of structures, other assets will be provided at replacement rate and will be paid before physical displacement from the occupied or affected area.
- Assistance will be provided to those affected persons who lose their livelihood due to the acquisition carried out as part of the project.
- Cut-off date for titleholders will be the date of publication of notification under Section 4(1) of Land Acquisition Act, 1894. For non-titleholders, the date of project census survey or a similar designated date declared by project authority will be considered as cut-off date.
- The households/land owners who are absent during the time of census survey will be entitled for assistance and budget provisions will include them also. However, people moving to the CoI after the cut-off date will not be entitled for any compensation or assistance.
- Vulnerable groups will be identified and given additional support and assistance in re-establishing or enhancing livelihood.
- Loss of common property resources will be compensated and reconstructed at project cost. Enhancement measures also will be provided for community assets located alongside the project corridor in consultation with the community.
- Information related to the preparation and implementation of resettlement plan will be disclosed to all stakeholders and people's participation will be ensured in planning and implementation.
- Appropriate grievance redress mechanism will be established at the district level to ensure speedy resolution of disputes.
- All consultations with PAPs shall be documented. Consultations will continue during the implementation of resettlement and rehabilitation works.

- Effective monitoring and evaluation mechanism will be established to ensure consistent implementation of resettlement activities planned under the project including third party monitoring.

## 2.2 ENTITLEMENT MATRIX

9. The Entitlement Matrix proposed for the project is presented in Table 2.1.

**Table 2.1: Entitlement Matrix**

Code	Category of PAP	Type of Impact	Unit of Entitlement	Entitlement	Remarks
1A	Titleholder – Agriculture Land / Non-agriculture land / Homestead Land and assets	Loss of land and assets	Land owner(s)	<ol style="list-style-type: none"> <li>1. Cash compensation at “actual market values”.</li> <li>2. Option for compensation of residual unviable land parcels<sup>8</sup>.</li> <li>3. Registration and stamp duty charges (currently applicable) for the land acquired.</li> <li>4. All fees, taxes and other charges, as applicable under the relevant laws, shall be borne by the project.</li> <li>5. Replacement of water-yielding bores shall be done subject to availability of water in the remaining landholding or anywhere near the beneficiary land in consultation with the affected community. If water is not available, replacement cost of the bore-well at rates decided on case-by-case (without depreciation) based on Gujarat Water Supply and Sewerage Board (GWSSB) Schedule of Rates.</li> <li>6. Financial assistance for replacement of Cattle shed: One-time financial assistance of Rs.15000 for displaced households.</li> <li>7. In case land owners become landless or</li> </ol>	<ol style="list-style-type: none"> <li>1. Compensation shall be determined as per LA Act, 1894. Difference, if any, between the compensation award as per the LA Act, 1894 and the market value, shall be paid by the project in the form of assistance. The updated Guideline / Jantri values will be adopted for determination of actual market value for the specific land parcel to be acquired.</li> <li>2. Compensation for Timber Trees shall be decided by Forest Department, Gujarat. Compensation for perennial trees and standing crops shall be decided by Agriculture and Cooperation Department, Government of Gujarat.</li> <li>3. The rates for determination of assistances and compensation shall be revised annually during the project implementation period. The revision shall be effected from the 1st day of April every year. The real value of monetary compensation and assistance shall be assessed as follows: (i) Compensation for land shall be based on updated Jantri value; (ii) Compensation for structures/assets shall be based on updated Schedule of Rates; and (iii) Allowances and assistances shall be based on Consumer Price Index (CPI), updated 1<sup>st</sup> of April every year. In case, if Jantri Value or Schedule of Rates is not updated by the 1st of April, compensation and assistance shall be provided based on</li> </ol>

<sup>8</sup> Less than 0.4ha in case of irrigated land and less than 1ha in case of non-irrigated land



Code	Category of PAP	Type of Impact	Unit of Entitlement	Entitlement	Remarks
				<p>marginal, financial assistance equivalent to 12 months of minimum agricultural wages of Gujarat (calculated for 25 days in a month), as subsistence allowance.</p> <p>8. Ex-gratia assistance of Rs.20000 for land owners losing upto 500 sq.m of land in lieu of all other benefits.</p> <p>9. In case of severance of agricultural land, an additional grant of 10 percent of the amount paid for land acquisition.</p> <p>10. Advance notice of 4 months to harvest standing crops.</p> <p>11. Crop/tree damage compensation as assessed by the concerned Government Departments.</p> <p>12. Right to salvage materials from affected land or structure.</p>	existing rates. Differences if any, between the existing rates and the updated rates will be provided by the project after publication of the updated rates.
1B	Titleholder – Residential Structure	Loss of structure	Land / structure owner(s)	<p>1. Compensation at replacement cost determined on the basis of R&amp;BD Schedule of Rates as on date without depreciation.</p> <p>2. Affected structures of size less than 20 sq.m., which are fully affected or if rendered unviable, shall have option to compensation equivalent to cost of provision of residential structure of size 20 sq.m.</p> <p>3. Shifting Allowance: One-time financial assistance of Rs. 10,000.</p> <p>4. Transitional allowance of Rs.10,000 towards temporary arrangements and rentals during the</p>	1. Cost equivalent to the area mentioned in Para-2 shall be estimated based on R&BD Schedule of Rates without depreciation.

Code	Category of PAP	Type of Impact	Unit of Entitlement	Entitlement	Remarks
				transition period. 5. Right to salvage materials from affected land or structure.	
1C	Titleholder-Commercial/ industrial Structure	Loss of structure	Land / structure owner(s)	<ol style="list-style-type: none"> <li>1. Compensation at replacement cost determined on the basis of R&amp;BD Schedule of Rates as on date without depreciation.</li> <li>2. Affected structures of size less than 10 sq.m which are fully affected, or rendered unviable, shall have option to compensation equivalent to cost of provision of commercial structure, of size 10 sq.m.</li> <li>3. Shifting Allowance: One-time financial assistance of Rs. 10,000.</li> <li>4. Transitional allowance of Rs.10,000 towards temporary arrangements and rentals during the transition period.</li> <li>5. Right to salvage materials from affected land or structure.</li> </ol>	1. Cost equivalent to the area mentioned in Para-2 shall be estimated based on R&BD Schedule of Rates without depreciation.
1D	Titleholder-Residential-cum-commercial/ industrial structure	Loss of structure	Land / structure owner(s)	<ol style="list-style-type: none"> <li>1. The entitlement provisions that shall be higher among 1B and 1C shall be provided.</li> </ol>	
2A	Tenants-Residential / commercial / industrial Structure	Loss of structure	Individual / Household	<ol style="list-style-type: none"> <li>1. For tenants (residential category) requiring relocation, rental allowance for 6 months at the rate of Rs.1000/month in rural areas and Rs.1500/month in urban areas, if the structure is fully affected or the unaffected part of the structure is unviable.</li> <li>2. For tenants (commercial/industrial category), requiring</li> </ol>	

Code	Category of PAP	Type of Impact	Unit of Entitlement	Entitlement	Remarks
				<p>relocation, rental allowance for 6 months at the rate of Rs.1500/month in rural areas and Rs.2000/month in urban areas, if the structure is fully affected or the unaffected part of the structure is unviable.</p> <p>3. Shifting Allowance: One-time financial assistance of Rs. 5000.</p> <p>4. For impacts to structures constructed by the EP, compensation at replacement cost determined on the basis of R&amp;BD Schedule of Rates as on date without depreciation.</p> <p>5. Right to salvage materials from affected land or structure.</p>	
3A	Squatter-Residential / Commercial / Residential-cum-commercial	Loss of structure	Individual / Household	<p>1. Compensation for impacted structures at replacement cost determined on the basis of R&amp;BD Schedule of Rates as on date without depreciation (or)</p> <p>2. (i) Costs towards land and house construction (of area as applicable to EWS housing scheme in Gujarat), for residential squatters (ii) Costs towards land and shop construction (of 100 sq ft area) for commercial squatters, whichever is higher among 3A.1 and 3A.2.</p> <p>3. Shifting Allowance: One-time financial assistance of Rs. 5000..</p> <p>4. Training Assistance for Income Generation: Training in opted areas to any one member of the household losing livelihood. Training</p>	<p>1. Training programmes will be offered in coordination with any of the following agencies;</p> <ul style="list-style-type: none"> <li>o Education Department, Govt. of Gujarat (self employment programmes for women).</li> <li>o Tribal Development Department, Govt. of Gujarat (Vanbandhu Kalyan Yojana).</li> <li>o Department of Social Justice and Empowerment; Scheduled Caste Economic Development Corporation (Economic Upliftment Schemes for Scheduled Castes and women).</li> <li>o Commissionerate of Rural Development, Govt. of Gujarat.</li> </ul> <p>2. PIU will carry out periodic review to assess the efficacy of training programmes and suggest corrective measures including need for inter-departmental coordination, as required.</p>

Code	Category of PAP	Type of Impact	Unit of Entitlement	Entitlement	Remarks
				cost upto a maximum of Rs. 15000 shall be borne by the project implementation authority.	
3B	Encroachers	Loss of Assets	Household	<ol style="list-style-type: none"> <li>1. Ex-gratia for impacted assets at replacement cost.</li> <li>2. Encroachers shall be given advance notice of 4 months in which to remove assets (except trees), and harvest standing crops, if any</li> </ol>	
4A	Additional support to vulnerable groups		Individual / Household	<ol style="list-style-type: none"> <li>1. Training Assistance for Income Generation: Training in opted areas to any one member of the household losing livelihood. Training cost upto a maximum of Rs. 15000 shall be borne by the project implementation authority (or)</li> <li>2. Lump sum amount of Rs.15000 as grant to those who cannot be provided with alternative livelihood sources.</li> </ol>	<ol style="list-style-type: none"> <li>1. Training programmes will be offered in coordination with any of the following agencies; <ul style="list-style-type: none"> <li>o Education Department, Govt. of Gujarat (self employment programmes for women).</li> <li>o Tribal Development Department, Govt. of Gujarat (Vanbandhu Kalyan Yojana).</li> <li>o Department of Social Justice and Empowerment; Scheduled Caste Economic Development Corporation (Economic Upliftment Schemes for Scheduled Castes and women).</li> <li>o Commissionerate of Rural Development, Govt. of Gujarat</li> </ul> </li> <li>2. PIU will carry out periodic review to assess the efficacy of training programmes and suggest corrective measures including need for inter-departmental coordination, as required.</li> </ol>
5A	Employees in shops, agricultural laborers, sharecroppers	Loss of livelihood	Individual	<ol style="list-style-type: none"> <li>1. Training Assistance for Income Generation: Training in opted areas to any one member of the household losing livelihood. Training cost upto a maximum of Rs. 15000 shall be borne by the project implementation authority. (or)</li> <li>2. Lump sum Financial assistance equivalent to 6 months of minimum agricultural</li> </ol>	<ol style="list-style-type: none"> <li>1. Training programmes will be offered in coordination with any of the following agencies; <ul style="list-style-type: none"> <li>o Education Department, Govt. of Gujarat (self employment programmes for women).</li> <li>o Tribal Development Department, Govt. of Gujarat (Vanbandhu Kalyan Yojana).</li> <li>o Department of Social Justice and Empowerment; Scheduled Caste Economic Development</li> </ul> </li> </ol>

Code	Category of PAP	Type of Impact	Unit of Entitlement	Entitlement	Remarks
				wages of Gujarat (calculated for 25 days in a month), to those who cannot be provided with training on alternative livelihood opportunities.	Corporation (Economic Upliftment Schemes for Scheduled Castes and women). o Commissionerate of Rural Development, Govt. of Gujarat. 2. PIU will carry out periodic review to assess the efficacy of training programmes and suggest corrective measures including need for inter-departmental coordination, as required.
6A	Community Assets	Loss of community assets	Community	<ol style="list-style-type: none"> <li>Resources such as cultural properties and community assets shall be conserved (by means of special protection, relocation, replacement, etc.) in consultation with the community.</li> <li>Adequate safety measures, particularly for pedestrians and children, landscaping of community common areas, improved drainage, roadside rest areas, etc shall be provided in design of the highways.</li> </ol>	
7A	Scheduled Tribes	Loss of land, structure or both	Household	<ol style="list-style-type: none"> <li>Cash compensation at the actual market value based on the latest Jantri values. In the event of the latest Jantri values not being equivalent to market rates due to lack of evidence of recent land transactions, enhanced cash compensation for land equivalent to 1.5 times of latest Jantri value of affected tribal land parcel.</li> <li>Entitled for assistance applicable for vulnerable groups.</li> <li>Additional one-time financial assistance equivalent to 500 days minimum agricultural wages towards the loss of customary rights/usages of forest</li> </ol>	

Code	Category of PAP	Type of Impact	Unit of Entitlement	Entitlement	Remarks
				produce.	
8A	Disruption	Temporary Impact	Owner(s)	<ol style="list-style-type: none"> <li>1. Compensation for temporary use of land or structures outside Right of Way for construction activities shall be made by the Contractor. The use of such land or structure, compensation for the temporary occupation/use of lands and restoration post completion of the occupation shall be through written agreement between land/structure owner and the contractor.</li> <li>2. Temporary access would be provided, where necessary.</li> </ol>	As laid down in Clause 111 on Precautions for safeguarding the environment, Technical Specifications in the Bid Document.
9A	Unforeseen impacts			<ol style="list-style-type: none"> <li>1. Any unforeseen impacts shall be documented and mitigated in accordance with the principles and objectives of the Policy.</li> </ol>	

## 3. SOCIO-ECONOMIC PROFILE

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### 3.1 PROFILE

10. The chapter presents socioeconomic profile of villages/settlements adjoining Bayad-Lunawada corridor. The corridor Bayad-Lunawada enroutes Bayad taluka of Sabarkantha district, Virpur taluka of Kheda and Lunawada taluka of Panchmahal district entailing a total length of nearly 44.5km. Project corridor adjoins 28 villages and 1 town with a population of 80,884 as per Census 2001. Summary of demographic details of talukas and villages are given in Appendix 3.1.

11. **Population Distribution:** Project talukas through which the corridor passes comprises total population of 5.64 lakh in 2011 which was 5.03 lakh during 2001. Population of these talukas grew at an Average Annual Growth Rate (AAGR) of 1.2% during the year 2001 to 2011. The project corridor passes through 28 villages and 1 town (Lunawada). Total population of villages and towns abutting corridor is 80,884 which is almost 16% of the taluka population (Census 2001). Settlements located along the corridor are Sathamba, Hatipura, Lalsar, Salwada and Lunawada town.

12. **Household Size:** The total number of HH along project corridor is 15,695. Average Household (HH) size along the project corridor villages is 5.2.

13. **Population Composition:** The overall population below 6 years age in project corridor taluka is 13%. The average sex ratio for project corridor talukas is 932 (as per 2001 census). Sex ratio for project corridor villages is 925. The Juvenile sex ratio<sup>10</sup> is 878 for project corridor talukas and 864 for the project corridor villages.

14. **Social Characteristics:** The literacy rate is 67% (as per 2001 census) in project corridor talukas.

15. As per Census 2001, total SC and ST population for settlements and villages along the corridor was 7,985 which is nearly 10% of total population for settlements along the project corridor.

16. **Occupational Structure:** Total workers according to census 2001 in project corridor taluka was 2.50 lakh, this comprises 71% workers classified as main workers<sup>11</sup> and rest 29% as

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<sup>9</sup> Census 2011 information at village level is not yet published and relevant details at Taluka level has been given in Appendix 3.1.

<sup>10</sup> Juvenile Sex Ratio is the sex ratio of population in age-group 0-6 years

<sup>11</sup> Main workers were those who had worked for the major part of the year preceding the date of enumeration i.e., those who were engaged in any economically productive activity for 183 days (or six months) or more during the year

marginal workers<sup>12</sup>. Taking into account the composition of workers majority of workers are cultivators (49%) followed by workers engaged in other activities<sup>13</sup> (26%).

17. The total workers in project corridor settlements are 33,561. Workers composition for the villages/settlements along the corridor shows highest share of workers engaged in others sector (54%) followed by cultivators(27%).

18. **Workforce Participation Ratio (WPR):**The WPR for project corridor taluka in 2001 was 50%.Comparing and analysing the male WPR and Female WPR, it was recorded that the female WPR is 31% as against male WPR of 51%.The average WPR for Project corridor settlements is 41% which is lower than the talukas WPR.

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<sup>12</sup>Marginal workers were those who worked any time at all in the year preceding the enumeration but did not work for a major part of the year, i.e., those who worked for less than 183 days (or six months).

<sup>13</sup>Other Workers: all those workers other than cultivators or agricultural labourers or household industry workers are 'Other Workers'. The type of workers that come under this category of 'OW' include all government servants, municipal employees, teachers, factory workers, plantation workers, those engaged in trade, commerce, business, transport banking, mining, construction, political or social work, priests, entertainment artists, etc. In effect, all those workers other than cultivators or agricultural labourers or household industry workers, are 'Other Workers'



## 4. IMPACTS ON PEOPLE AND COMMUNITY ASSETS

### 4.1 MINIMISATION OF RESETTLEMENT IMPACTS

19. The proposed road improvement will be carried out within the available RoW throughout the corridor, except in 10 village locations where, 18.05 ha of private land outside RoW will be acquired for geometric improvements. Efforts are made to minimise any adverse impact on structures and other assets located within the proposed CoI.

### 4.2 POTENTIAL IMPACTS

20. A total of 2.61 ha of government land and 18.05 ha of private agricultural, belonging to 313 households will be affected due to curve improvement in 10 villages. Land acquisition along the corridor is envisaged at Tajpur (0+000 km to 0+825 km), Dhamod (0+825 km to 4+650 km), Sadhakpur (4+550 km to 5+300 km), Lalsar(5+300 km to 7+900 km), Vakhatpur(7+900 to 8+600 km), Ucharpi (8+600 km to 10+775 km), Undra(10+775 km to 12+400 km) Hadod(8+400 km to 7+400 km), Khantana Bhensavada (7+400 km to 6+570 km), and Madia (3+083 km to 2+581 km). Other than these 10 village locations, the proposed improvement will be carried out within the existing RoW of 24m throughout the corridor.

21. A total of 34 commercial structures (kiosks), 1 mixed property (residential-cum-commercial) and 1 vacant land will be affected due to the proposed improvement. The commercial structure affected, belong to non-titleholders.

22. Other assets affected within the affected portion of the properties are 555 trees (private), 2 water taps, 3 water tanks, 8 motor pumps, 25 open/dug wells, 3 hand pumps, 1 barbed-wire fence and 3 boundary walls.

23. The proposed road improvement will not affect any cultural properties. Boundary wall of a school located at km 11+650 in Sathamba village will be impacted.

24. The potential resettlement impacts and respective categories of affected population are given in table 4.1.

**Table 4.1: Potential Resettlement Impacts**

Code	Category of PAP	Type of Impact	Unit of Entitlement	Numbers
1A	Titleholder – Agriculture Land / Non-agriculture land / Homestead Land and assets	Loss of land and assets	Land owner(s)	Agricultural land of 313 households (18.05ha land).
1B	Titleholder – Residential Structure	Loss of structure	Land / structure owner(s)	Nil
1C	Titleholder-Commercial/ industrial Structure	Loss of structure	Land / structure owner(s)	Nil
1D	Titleholder-Residential-cum-commercial/ industrial structure	Loss of structure	Land / structure owner(s)	1 Mixed property (residential-cum-commercial)
2A	Tenants-Residential / commercial / industrial Structure	Loss of structure	Individual / Household	3 commercial structures
3A	Squatter-Residential / Commercial / Residential-cum-commercial	Loss of structure	Individual / Household	34 commercial structures (shops)

Code	Category of PAP	Type of Impact	Unit of Entitlement	Numbers
3B	Encroacher	Loss of structures / Assets	Land owner(s)	1 Mixed property and 1 vacant land
4A	Additional support to vulnerable groups		Individual / Household	41 (5 WHH, 35BPL households, 1 is schedule tribe as well as BPL)
5A	Employees in shops, agricultural labourers, sharecroppers	Loss of livelihood	Individual	Nil
6A	Community Assets	Loss of community assets	Community	Boundary wall of a school
7A	Scheduled Tribes	Loss of land, structure or both	Household	1 Schedule Tribe (Shop)
8A	Disruption	Temporary Impact	Owner(s)	--
9A	Unforeseen impacts			--

#### 4.2.1 Cut-Off Date

25. Cut-off date for non-titleholders is 31<sup>st</sup> May 2012 (date of socio-economic survey) and for titleholders the date of section 4 (1) notification as per LA Act, 1894 is the cut-off date.

#### 4.2.2 Overview of Design Modifications

26. The concerns raised by the community have been documented and discussed in detail with the Design Team. The views and suggestions of the community are integrated into the road design wherever feasible. This includes road safety measures such as pedestrian crossings, warning signs, markings, provision for parking spaces, provision for retaining wall at road section traversing water bodies, limiting curve improvements within the existing RoW etc. Efforts are made to minimise any adverse impact on structures and other assets located within the RoW.

#### 4.2.3 Videography of the Project Corridor

27. Videography of the project corridor, covering the entire RoW has been carried out on 07.05.2012, prior to the conduct of the census surveys. This exercise formed the basis for the inventory of non-titleholders.

#### 4.2.4 Census and Socio-Economic Surveys

28. The Census survey was carried out for all affected households within the CoI and detailed socio-economic survey has been carried out on representative basis. Census and socio-economic survey of the affected households was carried out on 22.05.2012 to 31.05.2012. The surveys were administered through a structured questionnaire (Appendix 4.1). Data was collected for each affected property, the details were documented and photographs of structures were taken. The list of impacted structures is enclosed in Appendix 4.2 and corresponding Map is given in Appendix 4.3. The findings of the survey has been analyzed and presented in succeeding sections. The survey information helped to generate necessary input for the preparation of RAP. It also provided a baseline assessment of potential impacts on affected households and formed the basis for estimating the entitlement-based resettlement budget.

## 4.3 IMPACT ON PROPERTIES

### 4.3.1 Major and Minor Impacts

29. Impact on the affected properties has been classified into major and minor impacts, which are defined below.

- **Major impact:** those properties where the major part of the structure/land is affected and becomes untenable and the affected party are unable to live/do business in the unaffected portion of the property, OR, 25% or more portion of the property is affected.
- **Minor impact:** all other impacts other than major impact will be treated as minor impacts, OR, those properties where a part of the structure/land is acquired and the remaining portion is intact and the affected party can continue to live/do business in the unaffected portion of the property.

30. Details of properties having major and minor impacts are presented in Table 4.2.

**Table 4.2: Distribution of Properties having Major and Minor Impacts**

Type of Loss	Total Affected Properties	Major Impact			Minor Impact		
		Titleholder	Non-titleholder	Total	Titleholder	Non-titleholder	Total
Commercial	34	-	34	34	-	-	-
Agricultural Land	313	73	1	74	239	-	239
Mixed	1	-	-	-	1	-	1
Open Land	1	-	-	-	1	-	1
<b>Total</b>	<b>349</b>	<b>73</b>	<b>35</b>	<b>108</b>	<b>241</b>	<b>0</b>	<b>241</b>

Source: LASA Primary Survey, 2012

### 4.3.2 Type of Loss

31. Structure will be affected for 34 commercial properties (kiosks) and 1 mixed property. Apart from these built up structures, agriculture land of 313 households and open land of 1 household will be affected due to the project (Table 4.3).

**Table 4.3: Distribution of Impacted Properties by Type of Loss**

Type of Loss	Major Impact				Minor Impact				Total
	Structure	Land	Structure & land	Total	Structure	Land	Structure & land	Total	
Commercial	34			34					34
Agricultural Land		74		74		239		239	313
Mixed					1			1	1
Open Land						1		1	1
<b>Total</b>	<b>34</b>	<b>74</b>	<b>0</b>	<b>108</b>	<b>1</b>	<b>240</b>	<b>0</b>	<b>241</b>	<b>349</b>

Source: LASA Primary Survey, 2012

### 4.3.3 Type of Structures

32. The total affected 34 commercial structures are Kutcha structures and 1 mixed property affected is a semi-pucca structure (Table 4.4).

**Table 4.4: Type of Structures**

Type of Loss	Major Impact				Minor Impact			
	Pucca	Semi-Pucca	Kutcha	Total	Pucca	Semi-Pucca	Kutcha	Total
Commercial Structures	-	-	34	34	-	-	-	-
Mixed	-	-	-	-	-	1	-	1
<b>Total</b>	<b>-</b>	<b>-</b>	<b>34</b>	<b>34</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>

Source: LASA Primary Survey, 2012

### 4.3.4 Loss of other assets

33. Loss of other assets which are located within the impacted portion of properties are listed in Table 4.5. All the impacted trees are on private land.

**Table 4.5: Assets Loss within the Impacted Properties**

Type of Loss	Number
Tree (Private Trees)	555
Water Tap	2
Water Tank	3
Motor Pump	8
Open/Dug Well	25
Hand Pump	3
Barbed Wire Fencing	1
Boundary Wall	3

### 4.3.5 Impact on cultural properties and community assets

34. The proposed road improvement will not affect any cultural properties. Boundary wall of a school located at km 11+650 in Sathamba village will be impacted.

**Table 4.6: Impact on Community Assets**

Type of Loss	Number
School Boundary Wall	1

## 4.4 SOCIO-ECONOMIC PROFILE OF AFFECTED POPULATION

35. The strategy for socio-economic survey has been drawn up based on the findings of SIA exercises<sup>14</sup> and the sample drawn for the detailed socio-economic survey is representative and includes all categories of impacted population. Socio-economic details were collected for 76 households (in which 65 are landholders) and the remaining 273 households will be covered during the PAP verification and preparation of Micro-plan exercises to be carried out by NGO during RAP implementation. The non-surveyed households are basically landholders.

36. 76 PAHs comprises 559 project affected persons (PAPs). Out of 559 PAPs, 264 are female. The socio-economic profile of the affected population is analyzed and presented in the following section.

37. **Social Category:** Of the total affected households, 36 belong to General community, 14 belong to SC community and 25 to Other Backward Community (OBC) and 1 to ST community.

38. **Woman Headed Households:** The project will affect 5 woman-headed households.

39. **Vulnerable Group:** 85% of the total Vulnerable Household are belong to BPL Category. Vulnerable households along the corridor are presented in Table 4.7.

**Table 4.7: Distribution of Vulnerable Group**

Vulnerable Category	Number	Percent
Woman Headed Households	5	12.2
BPL	35	85.4
Schedule Tribe	1	2.4
Physically Challenged	0	0
Headed by aged person >above 60 years	0	0

<sup>14</sup> This is in line with the Terms of Reference of Social Impact Assessment, Resettlement Action Plan and Indigenous Peoples Development Plan, provided along with the World Bank Aide Memoire dated 4<sup>th</sup> November 2010.

40. **Age and Sex composition:** age and sex composition of the affected population is given in Table 4.8).

**Table 4.8: Age Distribution of Affected Households**

Age	Major Impact		Minor Impact	
	Female	Male	Female	Male
< 6 years	18	11	8	13
6-14 years	7	11	17	18
15-24 years	17	22	27	34
25-45 years	28	30	65	69
46-60 years	17	17	42	44
> 60 years	6	8	12	18
<b>Total</b>	<b>93</b>	<b>99</b>	<b>171</b>	<b>196</b>

41. **Education Profile:** the education profile of affected households is given in Table 4.9. 22 percent of PAPs are illiterates and another 22 percent are having secondary levels of education.

**Table 4.9: Education Profile of Project Affected Persons**

Education	Major Impact		Minor Impact		Total	
	Number	Percent	Number	Percent	Number	Percent
Illiterate	48	25.1	75	20.4	123	22.0
Primary	33	17.3	21	5.7	54	9.7
High School	36	18.8	47	12.8	83	14.8
Secondary	40	20.9	80	21.7	120	21.5
Higher Secondary	18	9.4	60	16.3	78	14.0
Vocational	-		5	1.4		0.0
Graduation and Above	14	7.3	75	20.4	89	15.9
Technical	2	1	5	1.4	7	1.3
<b>Total</b>	<b>191</b>	<b>100</b>	<b>368</b>	<b>100</b>	<b>559</b>	<b>100.0</b>

42. **Occupation Profile:** Major percentage of the project affected persons is working as farmers followed by Government service (Table 4.10).

**Table 4.10: Occupation Profile of Project Affected Persons**

Occupation	Major Impact		Minor Impact		Total	
	Number	Percent	Number	Percent	Number	Percent
Artisans	2	3.3	-	0	2	1
Farmer	22	36.1	69	51.5	91	46.7
Agriculture Labour	3	4.9	5	3.7	8	4.1
Business/Trade	13	21.3	6	4.5	19	9.7
Government Service	2	3.3	44	32.8	46	23.6
Private Service	5	8.2	7	5.2	12	6.2
Industrial labour	1	1.6	-	0	1	0.5
House Maid	-	0	-	0	0	0
Others	13	21.3	3	2.2	16	8.2
<b>Total</b>	<b>61</b>	<b>100</b>	<b>134</b>	<b>100</b>	<b>195</b>	<b>100</b>

43. **Income Profile:** Average monthly household incomes of project affected persons are given in Table 4.11.

**Table 4.11: Monthly Income of Project Affected Persons**

Monthly Income	Major Impact	Minor Impact
>2000	1	0
2001-5000	14	10
5001-8000	7	7
8001-11000	4	4
11001-14000	1	0
14001 and Above	4	24
<b>Total</b>	<b>31</b>	<b>45</b>

Source: LASA Primary Survey, 2012

44. **Possession of Household Assets:** 8 households possess household items like TV, refrigerator, two-wheeler, four-wheeler, and telephone. TV and telephone are the most common household items. 56 households possess telephone and 32 HH possess TV.

## 5. STAKEHOLDER CONSULTATIONS

### 5.1 CONSULTATION

45. Project affected people were informed about the proposed road development and potential impacts during consultations. Consultations with the roadside communities were undertaken at 5 locations as part of the Social Impact Assessment. Peoples' representatives, affected people and common public participated in the consultations. Details of consultation are presented in Table 5.1. A format for consultation has been developed incorporating 'open-ended' discussion points to gather information. Copy of the consultation-format is given in Appendix 5.1.

- In general, the community welcomed the proposed project and was of the opinion that the proposed road improvement should minimize land acquisition to the extent possible. PAPs have requested for adequate time in case the structure requires to be removed.
- The people wanted to know more details about the project, the likely time of land and structure acquisition, the probable time of project initiation and completion and also more about compensation for affected structures.

**Table 5.1: Details of Consultation**

Sr. No.	Corridor: Bayad-Lunawada
1	Chainage: km 4+300, Savela Village Date- 22-05-2012, Number of people consulted: 10, Stakeholders: Villagers
2	Chainage: km 29+700, Hadod Village Date- 22-05-2012, Number of people consulted: 10, Stakeholders: Farmers and Community members
3	Chainage: km 3+700, Dhamod Village Date- 22-05-2012, Number of people consulted: 11, Stakeholders: Farmers
4	Chainage: km 8+550, Ucharpi village Date- 23-05-2012, Number of people consulted: 7, Stakeholders: Villagers
5	Chainage: km 11+600, Sathamba Village Date- 23-05-2012, Number of people consulted: 9, Stakeholders: Villagers

46. At the start of the consultation sessions, the project objectives, proposed improvements for the corridors were informed to the participants. It was informed to the participants that there was a conscious effort to minimize land acquisition and impacts on private lands and assets. Accordingly designs are being worked out to avoid land acquisition, especially in the settlement stretches. Only at very constricted locations, where the safety and design standards shall warrant, the acquisition of land has been proposed in the project. Further, it was clarified that, the consultations will form inputs to further refine the project designs to minimize lands on private and community structures and assets.

### 5.2 OUTCOMES OF CONSULTATIONS

47. The outcomes of consultations were discussed with the design team, and all attempts were made to integrate the views and suggestions of the community into the project design. The outcomes of consultation and its integration into the project design are documented in Table 5.2.

**Table 5.2: Outcomes of Consultation and Integration into Project Design**

Location	Key Outcomes	Integration into Project Design and Action Plan
<b>Chainage: km 4+300 Savela Village</b>	<ul style="list-style-type: none"> <li>Proposed improvements should be carried out within the available government land, avoiding land acquisition.</li> <li>Majority of the villagers are dependent on agriculture for their livelihood and hence loss of agriculture land will have adverse impacts on their livelihood.</li> <li>Compensation for affected structures, if any, should be provided at market rates.</li> <li>All issues relating to compensation should be settled within a reasonable time frame.</li> <li>Road safety measures should be provided at sensitive locations like school, junctions etc.</li> </ul>	<ul style="list-style-type: none"> <li>The proposed improvements will be carried out within the existing RoW. For locations requiring geometric improvement, land acquisition is unavoidable.</li> <li>Loss of agriculture land will be compensated based on most recent Jantri rates and assistance in the form of training for income generation (or financial assistance to those who cannot be provided with training on alternative livelihood opportunities) for loss of livelihood will be provided following the provisions of RPF.</li> <li>Provision of road safety measures like footpath with guard-rail, raised pedestrian crossings, rumble strips, etc., included in the design.</li> </ul>
<b>Chainage: km 29+700 Hadod Village</b>	<ul style="list-style-type: none"> <li>Majority of the villagers do not want to part with their agricultural land for the road development as they have already lost their land for <i>Sujalam Sufalam</i> Irrigation Project and had not received any compensation for the same.</li> <li>Some of the land owners are willing to part with their land; provided alternative land is made available to them as compensation for the affected land.</li> <li>Agricultural land along the project corridor is very fertile and productive. Loss of land will adversely affect their livelihood. The proposed road improvements should be carried out within the available government land.</li> </ul>	<ul style="list-style-type: none"> <li>Affected land will be compensated based on most recent Jantri value following the provisions of RPF and compensation amount will be disbursed before the initiation of civil works.</li> <li>Apart from providing compensation for affected land based on most recent Jantri value, (i) registration and stamp duty charges for acquired land; and (ii) all fees, taxes and other charges as applicable under the relevant laws will be provided following the provisions of RPF.</li> <li>Geometric improvements require land acquisition. Assistance in the form of training for income generation (or financial assistance to those who cannot be provided with training on alternative livelihood opportunities) for loss of livelihood will be provided following the provisions of RPF.</li> </ul>
<b>Chainage: km 3+700 Dhamod Village</b>	<ul style="list-style-type: none"> <li>The proposed improvements should be carried out within the available government land. Land on the LHS of the corridor should be considered for widening to minimise impact on agricultural land.</li> <li>Agriculture is the major source of livelihood for the people of Dhamod. Loss of agricultural land will affect their livelihood. Land acquisition should be avoided to the extent possible.</li> <li>Effort should be made to avoid impacts on land and after best efforts if impact on any piece of land becomes unavoidable, compensation should be provided at market rates.</li> </ul>	<ul style="list-style-type: none"> <li>Government land will be utilised to the extent possible for the proposed road improvement. However, land shall be taken up in the project for locations requiring geometric improvements and for enhanced road safety.</li> <li>Assistance in the form of training for income generation (or financial assistance to those who cannot be provided with training on alternative livelihood opportunities) for loss of livelihood will be provided following the provisions of RPF.</li> <li>Efforts have been taken to avoid land acquisition to the extent possible. Compensation for affected land will be based on most recent Jantri rates following the provisions of RPF.</li> </ul>
<b>Chainage: km 8+550 Ucharpi village</b>	<ul style="list-style-type: none"> <li>Road improvements should be carried out within the available government land, avoiding land acquisition.</li> <li>People have already lost their land for the <i>Sujalam Sufalam</i> Project, for which they had not received any compensation. Further land acquisition will add to their woes. Land acquisition should be avoided as far as possible.</li> <li>Compensation for affected structures, if any, should be provided at market rates.</li> </ul>	<ul style="list-style-type: none"> <li>The proposed improvements will be carried out within the existing RoW. Sections of the corridor include widening of village roads with RoW less than 15m to two lane standards triggering land acquisition, which is unavoidable. Affected land will be compensated based on most recent Jantri value following the provisions of RPF and compensation amount will be disbursed before the initiation of civil works.</li> <li>Compensation for affected structures will be based on R&amp;BD Schedule of Rates, without factoring for depreciation.</li> </ul>
<b>Chainage: km 11+600 Sathamba Village</b>	<ul style="list-style-type: none"> <li>Compensation for land and other affected properties should be provided at market rates.</li> <li>Compensation should be provided within a stipulated time frame.</li> <li>Road safety measures should be provided near the school and Sathamba junction.</li> <li>Trees should be protected as far as possible.</li> </ul>	<ul style="list-style-type: none"> <li>Compensation for the affected land will be provided before the initiation of civil works.</li> <li>Provision for rumble strips, raised pedestrian crossings, warning signs, foot path etc. included in the design.</li> <li>Trees will be saved to the extent possible. Affected trees will be compensated as per the requirements of Forest Department.</li> </ul>



## 6. OTHER SOCIAL ISSUES

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### 6.1 ROAD SAFETY ISSUES

48. Road safety audit carried out as part of DPR preparation reveals high number of accidents<sup>15</sup> along the project corridor due to inadequate width of shoulders, poor sight distance in sharp locations, lack of treatment in junctions, narrow width of cross drainage works and the parapets of the culverts. Safety interventions included in the design with respect to curve locations are warning signs on both sides of curves and restricted speed, design of T-junction with channelization, posting of proper markings and designs, etc. A minimum of 1.5 m shoulder has been provided. Wherever feasible the culverts will be expanded in width to accommodate shoulders/extended carriageway. In places where this is not feasible adequate steps have been taken for delineation of the parapets. Delineation of trees with object markers will be done. Details of road safety issues and interventions are provided in Safety Audit Report (Volume III of DPR).

49. Safety interventions in form of warning signs have been taken up for all the curve locations in project corridor. Intersections in form of T junction, Y junctions are provided with properly designed access along with markings and signs. Habitations seeking safety interventions such as Mahadevpura village (002+580 to 003+150), Savela Kampa village (004+250 to 004+500), Anandpura kampa village (007+300 to 007+450), Schools near Sathamba village (010+500 to 010+750), Sathamba village (011+200 to 012+200), Sathamba village quarries (012+500 to 013+000), Kasyavant School (014+175 to 014+250), Hathipura School (015+200 to 015+325), Dhamod village (003+700 to 003+925), Lunawada village (000+000 to 001+100), and Bright School (002+550 to 002+650) are provided with traffic calming measures and informatory signs. Speed limit signs are posted at the entrance along with the termination sign after crossing the village. Raised pedestrian crossing and rumble strips with proper markings and signs are provided near the schools.

### 6.2 HIV/AIDS ISSUES

50. Detailed consultations have been conducted with medical institutions, trucker community and local leaders along Bayad-Lunawada corridor as part of the study with respect to HIV/AIDS Prevention Plan (HPP). Survey among trucker community has been carried out using structured questionnaires. These information provided inputs towards

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<sup>15</sup>First Information Report (FIR) details relating to the traffic accidents are collected from Bayad taluka for the period from 2006 to 2011. The data collected from Bayad police station indicates that significant number of accidents is concentrated at Savela Kampa, Talad and Sathmba. There are a total of 24 fatalities and 28 injuries reported in a span of 6 years (2006 – 2011), indicating 4 deaths in a year accounting for about one fatality per 11 km in a year.

development of a strategy and action plan outlining measures for addressing impacts on the trucker community, HRGs associating with truckers along the project corridors.

51. There are three CHCs located in the vicinity of the corridor, at Bayad, Vatrak and Lunawada, in which Integrated Counseling and Testing Centre (ICTC) facilities are available in Vatrak and Lunawada. Vatrak CHC is located at a distance of 6 kms from Bayad. The region does not have a Target Intervention NGO. HIV+ve cases have been reported from Lunawada and Vatrak CHCs. HIV+ve cases reported in Bayad town, Demai and Hathipura villages of Bayad Taluka and in Undara and Lunawada villages Lunawada taluka.

52. Detailed account of various issues related to HIV/AIDS based on the consultations carried out with ICTC counselors, NGO personnel, trucker community, etc., along the corridor are presented in the HPP. Strategic action plan for mitigation of identified issues along with budget are also incorporated in HPP.

### 6.3 GENDER PLAN

53. The proposed road development is expected to open up new economic opportunities for women to upgrade their skills and also better accessibility to educational and health facilities. During consultations, women suggested to provide adequate safety measures especially at school locations. There are 5 woman-headed households amongst the affected households. To ensure that women are secure in receiving payments all benefits will be provided in joint account where woman will be first beneficiary

54. **Women labourers in the construction work force:** there will be requirement of unskilled laborer where women may likely to involve in such work. Women as household members of the skilled and semi-skilled laborers will also stay in the construction camps and will be indirectly involved during the construction phase. The construction contractors are expected to bring along their laborer force. Thus, in most cases the laborers, both male and female, will be migratory laborers and there will be involvement of local laborer force, especially for unskilled activities. There will be involvement of local women also in the local laborer force. Foreseeing the involvement of women both directly and indirectly in the construction activities, certain measures are required to be taken towards welfare and wellbeing of women and children in-particular during the construction phase.

#### 6.3.1 Facilities for Women in Construction Camps

55. For women working at the construction site and staying in the labour camps, the following facilities will be ensured (i) temporary housing - during the construction the families of labourers/workers will be provided with the suitable accommodation and facilities for other civic requirements, particularly health and sanitation; (ii) health centre - health problems of the female workers will be taken care of through health centres temporarily set up for the construction camp where medicines and minimum medical facilities to tackle first-aid requirements or minor accidental cases will be provided. In addition, linkage to nearest

higher medical care will be ensured whenever required. The contractor will arrange the visit of doctor, at least once in week, to provide required medical support to the workers in general and women in particular.

56. A strong vigilance mechanism will have to be developed by the contractor to ensure ceasing abuses at work places. RAP implementing NGO will provide necessary support to check such exploitation. Scheduling of working hours for women also needs to be regulated. Women, especially the mothers with infants will be exempted from the night shifts and from prolonged working hours.

## 7. IMPLEMENTATION ARRANGEMENTS

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### 7.1 INSTITUTIONAL ARRANGEMENTS FOR THE PROJECT

57. A dedicated unit, Environmental and Social Management Unit (ESMU) has been established within the PIU towards implementation of environmental and resettlement provisions in GSHP-II. The PIU, headed by the Chief Engineer will have overall responsibility for policy guidance, coordination and planning, internal monitoring and overall reporting at the project level. The following section illustrates roles and responsibilities of institutional and individual stakeholders with respect to implementation of the RAP provisions.

#### 7.1.1 Environmental and Social Management Unit (ESMU)

58. ESMU will be headed by an officer of the rank of Executive Engineer (EE), and will be responsible for all activities related to resettlement and rehabilitation. Chief Engineer (World Bank Projects) will have overall responsibility of the project, who will be assisted by Superintending Engineer (SE). The EE will be assisted by an Environmental Specialist and a Social Specialist. ESMU will be housed in R&BD headquarters in Gandhinagar. One each Executive Engineers at field divisions<sup>16</sup> will be responsible for E&S activities

#### **Roles and Responsibilities of EE at State Level:**

- Co-ordinate the implementation of R&R activities with PIU, field staff, engineering and revenue officials;
- Ensure availability of budget for R&R activities;
- Approve micro plans prepared by the NGOs for implementing RAP;
- Monitor the progress related to R&R and LA carried out by NGO and M&E Consultants;
- Hold periodic meetings on R&R implementation and review of activities at Divisional Offices

59. Respective Divisional Offices at field level will assist the PIU in carrying out the R&R activities in roads passing through respective districts.

#### **Roles and Responsibilities of Divisional Offices at District Level;**

- Ensure continued participation of the people in entire project cycle;
- Verify and send the micro plans for approval of the PIU
- Assist the PIU in monitoring the progress related to R&R and LA carried out by NGO and M&E Consultants;
- Hold periodic meetings on R&R implementation and report to the PIU.

60. The proposed implementation arrangement for the management of social issues has been given in Figure 7.1.

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<sup>16</sup> The Field Divisions of R&BD are located at Rajkot, Mehsana and Vadodara.

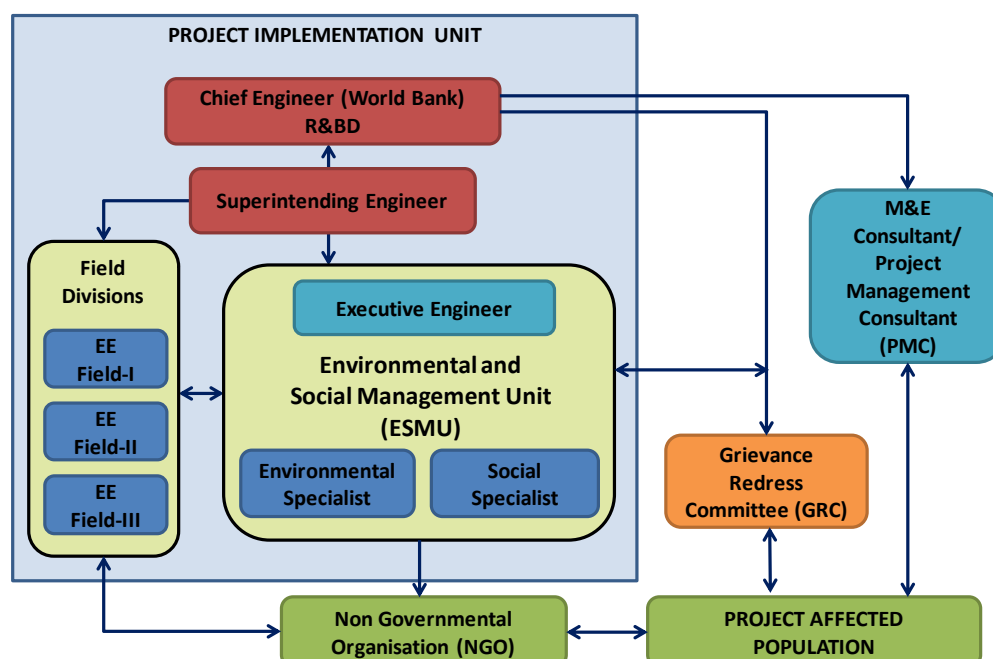


Figure 7.1: Implementation Arrangements

61. The Social Specialist will assist the EE. The Social Specialist shall have a minimum of 5 years of experience in resettlement and rehabilitation in highway projects.

#### Roles and responsibilities of Social Specialist at the State Level

- Assist SE to perform R&R activities.
- Co-ordinate with the district administration on LA and R&R.
- Facilitate the appointment of external agency for impact evaluation and co-ordinate evaluation activities to be taken up by the implementing NGO.
- Training of NGOs – class –room and on-site.
- Review of reports and documents submitted by the NGO.
- Training to R&BD staff on social aspect management and reporting.
- Preparation of Social Aspect Status Reports for the WB and Government of Gujarat.
- Preparation of periodic progress reports for the WB and Government of Gujarat.
- Documentation of case histories.
- Preparation of reporting formats, checklists, guidelines on social management aspects.
- Translate the executive summary of RAP in Gujarati language and disseminate it among the project stakeholders and at important places along the project road.
- Organize fortnightly meetings with the NGO to review the progress on R&R and report to SE and CE.
- Review micro plan and monthly progress reports submitted by NGO.

#### Roles and responsibilities of Social Specialist at the District Level

- Participate in public consultations.
- Management of conflict resolution exercises for social issues.
- Assistance in-community property & temple relocation cases.
- Monitoring of community enhancement plans.
- Liaison with district administration and concerned departments for dovetailing government social security schemes for the socio-economic wellbeing of the PAPs.
- Develop and maintain a PAP level database including aspects related to losses, compensation, R&R entitlement, release of funds and utilization.
- Assistance in Cross-verification of PAPs identified by the NGO.

- Finalization of individual entitlements in co-ordination with the NGO and PIU.
- Checking of ID cards submitted by the NGO.
- Participation in the ID card distribution process with NGO and PIU.
- Cross-verification of PAP training details submitted by the NGO.
- Coordination with concerned divisions regarding distribution of shifting, subsistence and training allowances.
- Assistance and coordination with concerned divisions regarding notification process under RAP.
- Assistance and coordination for resettlement cases with State Road Project Divisions and concerned Government departments.
- Supervision of the socio-economic surveys.
- Assistance in redressing grievances and coordination of field activities with the NGO.
- Assistant in Market Value Assessment Procedures.
- Technical assistance in creating socio-economic data base of HHs losing land.

### 7.1.2 Implementation Support by NGO

62. As prescribed in the World Bank Operational Policy<sup>17</sup>, GSHP-II envisages involvement of NGOs in the implementation of RAP. The roles and responsibilities of NGO are summarized as follows:

- Undertake verification of PAPs
- Explain to PAPs about the potential adverse impacts and proposed mitigation measures and, R&R entitlements;
- Distribute the dissemination materials including pamphlets on RAP and other aspects;
- Facilitate ESMU in organizing public information campaign at the commencement of R&R activities;
- Prepare the micro plans;
- Participate in the meetings organized by ESMU;
- Provide support for implementation of RAP;
- Prepare and issue identity cards to identified PAFs;
- Facilitate opening of joint bank accounts (PAPs and his/her spouse) for individual PAPs;
- Assist PAPs in receiving compensation, focusing on vulnerable PAPs to ensure that they get their dues on time;
- Generate awareness about the productive use of compensation money and R&R grants;
- Explain the resource base and other opportunities to enable them to make informed choices and participate in their own development;
- Ensure that vulnerable PAPs are given their dues both for payment of compensation and rehabilitation assistance;
- Submit monthly progress reports to ESMU;
- NGOs will help in HIV awareness;
- Identify training needs of PAPs for income generating activities and ensure they are adequately supported during the post-training period on respective income generating activities, and,
- Ensure that the grievances and problems faced by PAPs are presented to the Grievance Redress Committee for their resolution.

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<sup>17</sup> Annex A: Involuntary Resettlement Instruments, OP 4.12. The World Bank Operational Manual. December 2001.

### 7.1.3 Compensation and Assistance Procedures

- ESMU will facilitate for joint verification of land by LAO. Valuation of assets within affected land will be carried out by respective Departments<sup>18</sup>. Implementing NGO will facilitate and assist in the valuation of assets.
- Micro-Plan will be prepared for each affected person. Micro-Plan will have details of affected area of land and the compensation for the same (including compensation for various assets located within the affected land) along with entitlements as per the Resettlement Policy Framework for respective members of households. NGO will prepare the Micro-Plan.
- The compensation for land and other assets for titleholders (assets alone in the case of non-titleholders) will be disbursed through Revenue Department.
- Assistance as per entitlement provisions for both titleholders and non-titleholders will be disbursed through PIU.
- Any grievances arise during valuation of land or other assets and estimation of entitlements will be referred to the Grievance Redress Committee. This will also be facilitated by NGO

### 7.1.4 Monitoring and Evaluation

63. Internal monitoring of the implementation of social safeguards will be carried out by the PIU with support of Project Management Consultant/Supervision Consultant. Towards enhancing the quality of RAP/IPDP implementation, in addition to the internal monitoring by the PIU, external monitoring will be done by a third-party agency or Project Management Consultant (PMC) for technical as well as environmental/social aspects. The role of third-party agency/PMC towards external monitoring of social safeguards will include the following:

- Conduct periodic monitoring of RAP implementation on quarterly basis to provide early alert to redress any potential problems; and
- Conduct mid-term, annual and end term monitoring to assess target achievements and slippages with respect to implementation of RAP/IPDP.

64. The RAP will contain indicators and benchmarks for achievement of the objectives under the resettlement programme. These indicators and benchmarks will be of (i): proposed indicators, indicating project inputs, expenditures, staff deployment, etc; (ii) output indicators, indicating results in terms of numbers of affected People compensated and assisted, training held, details of disbursements, etc; and (iii) impact indicators, related to the longer-term effect of the project on communities.

65. The benchmarks and indicators will be limited in number, and combine quantitative and qualitative types of data. The first two types of indicators, related to process and immediate outputs and results, will be monitored to inform project management about progress and results, and to adjust the work programme where necessary if delays or problems arise. The results of this monitoring will be summarized in reports which will be submitted to the PIU on a regular basis. Provision will be made for participatory monitoring

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<sup>18</sup> Timber trees – Forest Department; Perennial trees and standing crops – Agriculture and Cooperation Department; Built-up structures – Roads and Buildings Department; Water resources – Gujarat Water Supply and Sewerage Department.

involving the PAPs. Illustrative set of monitoring indicators for physical progress, financial progress and grievance redress have been presented in Table 7.1, Table 7.2 and Table 7.3. Evaluation indicators has been given in Table 7.4.

**Table 7.1: Monitoring Indicators for Physical Progress**

Sl. No	Monitoring Indicators	Implementation Target	Revised Implementation Target	Progress this Month	Cumulative Progress	% against Revised Implementation Target
1	Land acquired – private (acre)					
2	Land transferred – government (acre)					
3	Compensation for land (INR)					
4	Compensation for structure					
5	Preparation and dissemination of leaflets to various stakeholders					
6	Preparation and approval of micro plans					
7	Number of joint bank accounts opened					
8	Issuance of identity cards					
9	Submission of monthly progress reports					
10	Shifting allowance for all affected categories					
11	Livelihood Restoration Allowance for affected categories					
12	Vulnerable groups					
13	Community Assets					

**Table 7.2: Monitoring Indicators for Financial Progress**

Sl. No	Category	Estimated Cost (INR)	Progress this month
1	Land Acquisition		
2	R&R Assistance		
3	NGO Services and M&E Services		

**Table 7.3: Monitoring of Grievance Redress**

Sl. No	Particulars	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1	No. of cases referred to GRC				
2	No. of cases settled by GRC				
3	No. of cases pending with GRC				
4	Average time taken for settlement of cases				
5	No. of GRC meetings				
6	No. of PAPs moved court				
7	No. of pending cases with the court				
8	No. of cases settled by the court				



**Table 7.4: Evaluation Indicators**

Indicators	Pre Project Baseline	Mid Term Evaluation	End Project Evaluation
<b>ECONOMIC</b>			
Below Poverty Line	Total BPL (residential, commercial and residential-cum-commercial) - 35 out of 76 (46%) BPL within residential – Nil BPL within commercial – 17 out of 34 (50%) BPL within res-cum-commercial – Nil BPL within agricultural – 18 out of 313(6%)		
Household income (Annual)	< Rs. 24000 = 1 out of 76 (1%) Rs. 24001-48000 = 24 out of 76(32%) Rs. 48001-72000 = 14 out of 76 (18%) Rs. 72001-120000 = 8 out of 76(11%) > Rs. 120001 = 29 out of 76 (38%)		
Occupation	Business/Trade – 19 out of 195 (9.7%) Private service – 12 out of 195 (6.2%) Agriculture labour – 8 out of 195 (4.1%)		
Average household expenditure	Food (monthly) – Rs.2694 Education (monthly) – Rs.697 Health (monthly) – Rs.343 Local travel (monthly) – Rs.371		
Percentage of earning women	9% (24 out of 264 female population)		
Average monthly earning of women	Rs.12119(average earnings of 24 working women)		
Number of commercial establishments having employees	Nil		
<b>ASSET OWNERSHIP</b>			
Ownership of household assets	Television – 38 out of 76 (50%) Refrigerator – 18 out of 76 (24%) 2-wheeler – 30 out of 76 (39%) 4-wheeler – 10 out of 76 (13%) Telephone –39 out of 76 (51%) Washing machine – 0 out of 76 (0%) Computer – 2 out of 76 (3%)		

### 7.1.5 Grievance Redress Committee

66. The project will establish a Grievance Redress Committee (GRC) to hear the complaints of project affected persons and resolve the same. The process will promote settlement of disputes and reduce litigation. GRC will be set up at the district level with District Collector as head. The GRC will have representation from the NGO involved in RAP implementation. The following persons will be the members of GRC:

- District Collector or his designated representative of at least the rank of Assistant District Collector (preference would be given to women officers);
- The District Development Officer of the Department of Revenue;
- The Executive Engineer, PIU;

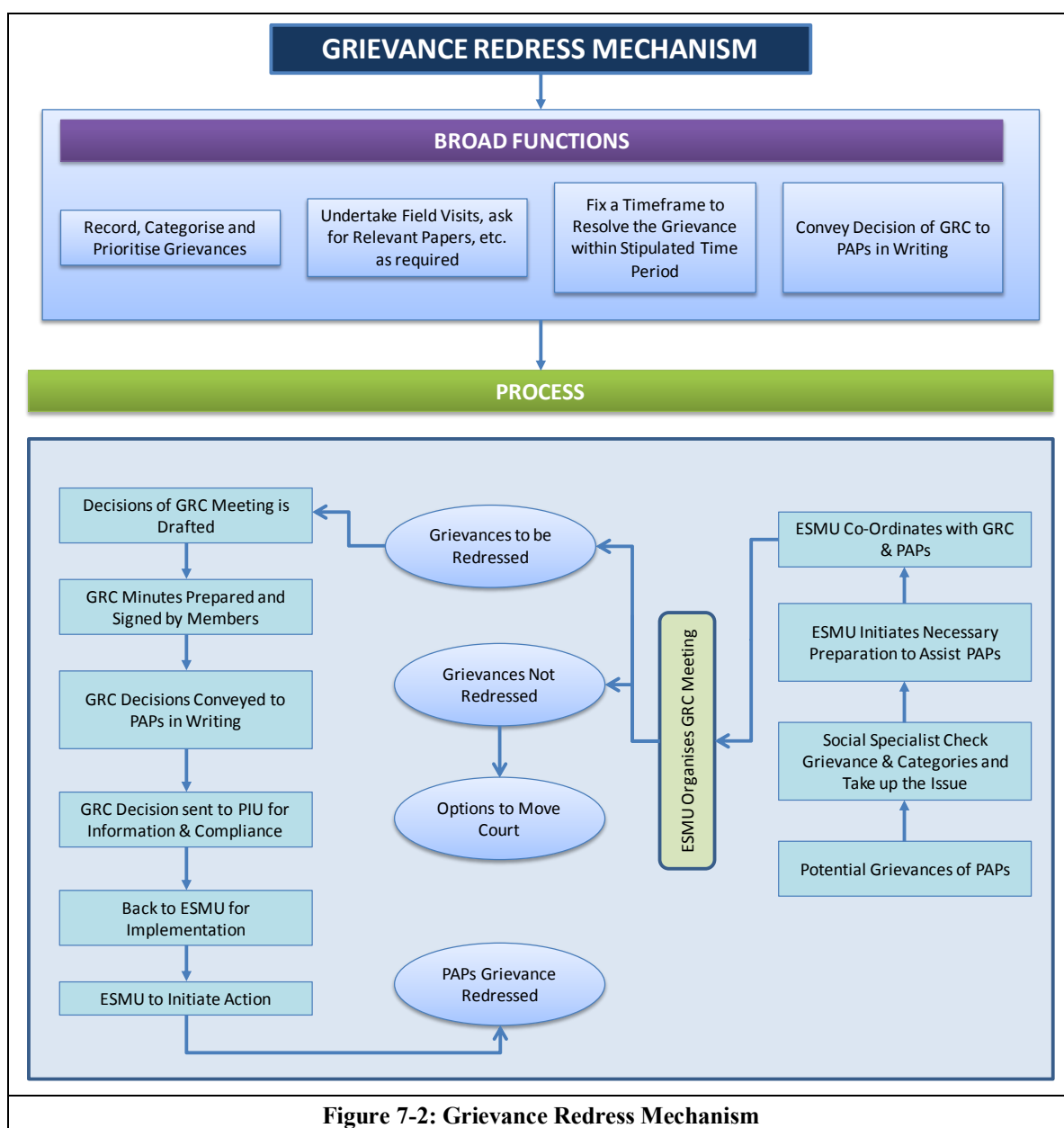
67. GRC will be responsible for the following:

- Support PAPs in resolving issues related to R&R and LA;
- Record grievance and resolve them within stipulated time;
- Inform PIU about any serious cases; and
- Report to the aggrieved parties about the decisions of the PIU.

68. ESMU will provide all necessary help to PAPs in presenting his/her case before the GRC. The GRC will respond to the grievance within 15 days. The GRC will normally meet once in a month but may meet more frequently, if the situation so demands. A time period of 45 days will be available for redressing the grievance of EPs. The decision of the GRC will not be binding to PAPs. This means the decision of the GRC does not insist PAPs taking recourse to court of law, if he/she so desires. Broad functions of GRC are as under:

- Record the grievances of PAPs, categorize and prioritize them and provide solution to their grievances related to resettlement and rehabilitation assistance.
- The GRC may undertake site visit, ask for relevant information from Project Authority and other government and non-government agencies, etc in order to resolve the grievances of PAPs.
- Fix a time frame within the stipulated time period of 45 days for resolving the grievance.
- Inform PAPs through ESMU about the status of their case and their decision to PAPs for compliance.

69. The GRC will be constituted within 3 months by an executive order from GoG from the date of mobilization of RAP implementing NGO.



### 7.1.6 Income Restoration Measures

70. The basic objective of income restoration activities is that no project-affected person shall be worse off than before the project. Restoration of pre-project levels of income is an important part of rehabilitating individuals, households, and socio-economic and cultural systems in affected communities. Income restoration (IR) schemes will be designed in consultation with affected persons so as to benefit them. Based on the information collected on IR activities through the census socio-economic surveys, the implementing NGO will identify suitable IR programme for the affected persons. Steps to be followed for income restoration include:

- Identification of target groups and choosing respective income restoration activities – NGO needs to identify the affected persons and prepare a list of feasible income restoration options. While identifying IR options, the following factors shall also be considered: (i) education level of affected persons, (ii) skill possession, (iii) likely economic activities in the post-displacement period, (iv) extent of land left, (v) suitability of economic activity to supplement the income, and (vi) market potential and marketing facilities. Based on socio-economic characteristics and options preferred by affected persons, the NGO may have to assign trades to affected persons. The NGO will assist in identifying appropriate alternative economic rehabilitation schemes through counseling and consultation.
- Training: option for training on skill enhancement for those losing their livelihood has been provided in the Entitlement Matrix. The beneficiary group includes employees in shops, agricultural labours, sharecroppers, squatters and vulnerable people. Training programmes will be conducted by PIU with assistance from NGO. Periodic review meeting will be carried out by the PIU to assess the efficacy of training programmes and corrective measures, if required, will be suggested for coordination with various training institutes/departments.
- Identification of Training Institutes/Departments: based on trades selected, NGO shall have to identify the training institute for different trades / activities who can provide on the job training. The suggested institutes include:
  - Education Department, Govt. of Gujarat (self-employment programmes for women);
  - Tribal Development Department, Govt. of Gujarat (Vanbandhu KalyanYojana);
  - Department of Social Justice and Empowerment; Scheduled Caste Economic Development Corporation (Economic Upliftment Schemes for Scheduled Castes and women); and
  - Commissionerate of Rural Development, Govt. of Gujarat.
- Training Arrangement: NGO shall group the affected persons based on their preferred trades and make all the arrangements such as fixing the venue etc.
- Monitoring: After training, the contracted M&E agency shall carry out the monitoring. Internal monitoring is the responsibility of PIU with support from PMC.

### 7.1.7 Public Consultation and Disclosure

71. The Disclosure Policy of GSHP-II formulated by R&BD, GoG states that the Policy intends to enhance transparency in decision making process during implementation phase, including those for procurement, financial management, social and environmental safeguards, and to comply with all legal requirements under Right to Information Act, 2005.

72. In order to make the RAP implementation process transparent, a series of public disclosure meetings will be arranged. The RAP Executive Summary along with RPF, translated in Gujarati language will be disclosed through public consultations and will also be made available through GSHP Website (<http://gshp2.gujarat.gov.in>). The following project specific information related to social safeguards will be disclosed on the website. Relevant

topics (first 10 bullet points) shall be disseminated by the implementing NGO among the community to elicit participation.

- Details of construction phase;
- Work opportunities for local labour;
- Notification process;
- Process relating to issuance of identity cards and preparation of microplans;
- Compensation and assistance payment;
- Details of social/cultural and religious properties to be relocated;
- Details of Grievance Redress Committee, its procedures and mechanism;
- Complaint handling procedures;
- NGOs role in implementation of RAP;
- Approved resettlement action plan;
- Approved entitlement matrix;
- Village-wise area of government and private land to be acquired;
- Disbursement status of compensation and assistance given to respective PAPs;
- Details of public consultation;
- Details of compensation given to land looser and PAP (Quarterly);
- Details of benefits of project to the public;
- Details of NGO involved in implementation of RAP;
- Progress Reports

73. The objective of the consultations is to (i) understand the view of the affected persons on rehabilitation and resettlement issues; and (ii) facilitate delivery of appropriate and acceptable entitlement options.

74. The process and proceedings of such consultations shall be documented and PIU respond to the issues raised during the consultations.

#### **7.1.8 Complaint Handling Mechanism**

75. Being a project involving large scale of civil works along with implementation of RAP/IPDP/HPP, the project is likely to receive suggestions, complaints, inquiries, etc. R&BD recognizes the importance of this and hence intends to address such issues through the Complaints Handling Procedures for GSHP-II, under which a centralized monitoring of all the complaints received from and through various mechanisms / individuals can efficiently take place under the information of WB.

76. Complaints Handling Procedure ensures that any citizen can lodge complaints with (i) any officer not below the rank of executive engineer in charge of the work, and (ii) any officer in charge of the redress systems in vogue in the state. Complaints related to (i) project services (new proposal/alteration in the scope of project, ongoing /completed project services in the areas of quality, procurement, R&R, environment and inaction/delayed action) and (ii) personnel (misbehaviour, corruption, service matter).

77. Complaints Handling Procedures assigns SE, PIU as the Chief Complaint Handling Officer with set roles and responsibilities. He is mainly responsible for complaints not related

to personnel. Complaints related to personnel require to be dealt with as per the existing system. Training to the employees working under WB wing needs to be given for clear understanding of the procedures involved and to treat the complaints as an opportunity for improvement and not to discriminate / antagonize the complainant in future dealings.

### **7.1.9 Mechanism for Training and Capacity Building**

78. Training and development of project staff is an integral part for implementation GSHP-II. Training needs identification shall be carried out at State level (PIU), Regional level (Divisional offices of R&BD) and at Field level, based on which focused training modules shall be developed. This is with the objective of (i) strengthening in-house capacity to implement the RPF/RAP/IPDP/HPP; (ii) creating awareness, providing the tools for implementation and accompanying set of management procedures to all departments; and (iii) developing competence within key officials to provide training in their respective level.

79. The topics for training and capacity building includes:

80. Introduction to social & R&R issues (R&R policies at state/national/international level, social issues pertaining to R&R ( participation of women, poverty assessment, anti-poverty programmes, highway related diseases, road safety, transparency, right to information);

81. Land acquisition (Acts, policies, valuation of land, concept of replacement value, /market value, institutional mechanism etc.);

82. Social Impact Assessment and RAP/IPDP/HIV/AIDS Awareness, prevention plan (social screening, census survey, socioeconomic survey, methodology, focus group discussions, institutional survey, free, prior informed consultation, data analysis report preparation);

83. Resettlement Policy Framework (category of PAPs, category of impacts, valuation of assets (land, structure, crops, trees, community assets, etc.), entitlements, women and vulnerable groups, temporary impacts, disruption/damage during construction and respective mitigation measures);

84. RAP/IPDP/IPDP/HPP implementation (updating PAP database, joint verification of affected structures/land and affected population, preparation of Micro Plan, grievance redress procedures, conflict resolution packages, assistance and training for income restoration, monitoring and evaluation of social safeguards implementation.

85. The training programs are to be conducted with the help of local, state and national level training institutions and experts in various aspects of social management and safeguard issues. PIU will also identify courses offered by the premier institutions in India on social management and safeguard issues and enable participation of project staff. Towards enhancing the capacity of the R&BD engineers on social safeguards management, R&BD has over the past few years deputed engineers for participation in various safeguards training and capacity building programs.

### 7.1.10 Coordination with Civil Works and Certification

86. The resettlement program will be co-coordinated with the timing of civil works. The required co-ordination has contractual implications, and will be considered in procurement and bidding schedules, award of contracts, and release of cleared CoI sections to project contractors. The project will provide adequate notification, counseling and assistance to affected persons so that they are able to move or give up their assets without undue hardship before commencement of civil works and after receiving the compensation.

87. Actions to be completed prior to bid and award of contract include: (i) resettlement action plan should be approved by the GoG; (ii) the action plan should be disclosed in the web site and other public places accessible to the local people; (iii) the first notification for private land acquisition should be issued; (iv) the issue of identity cards to eligible PAPs should be completed.

88. The actions to be completed prior to handing over the stretch to the contractor includes: (i) acquisition of private land should be completed and compensation for land and assistance as per entitlement matrix should be disbursed; and (ii) transfer of Government land should be completed or no objection should be obtained from the land owning agency.

### 7.1.11 Implementation Schedule

89. RAP Implementation Schedule is provided in Table 7.5. This provides the key benchmarks of implementing RAP. The construction tenure of the corridor is 24 months<sup>19</sup>. The on-ground rehabilitation and resettlement exercises and handing over the encumbrance free stretch for civil works will take 5 months and simultaneously, the NGO will carry out awareness programmes on road safety, HIV/AIDS prevention campaign, repeat training for PAPs, facilitate overall monitoring, etc.

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<sup>19</sup> The construction tenure of individual corridors ranges from 18 months to 30 months spread across an overall period of 36 months and accordingly, R&BD has envisaged tenure of 36 months for the RAP implementing NGO.

**Table 7.5: RAP Implementation Schedule**

ACTIVITY	MONTHS																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<b>Mobilising Personnel and Training</b>																								
M&E Consultant / PMC in place		■																						
NGO in place	■																							
GRC in place		■																						
Training for PIU/ESMU Personnel	■																							
Training for NGOs	■																							
Information Campaign and Community Consultation		■	■	■					■						■						■			
<b>Compensation / R&amp;R / Clearance of Col</b>																								
Verification of PAPs, listing of assets affected, measurement of structures, categorization of PAPs		■	■																					
ID Card distribution			■																					
Preparation of Micro Plan and approval			■	■																				
Opening joint account of PAPs			■	■																				
Payment of compensation			■	■																				
Payment of R&R assistance			■	■																				
Clearance of RoW for civil works					■																			
Consultations (intermittant)		■			■			■		■		■		■		■		■		■		■		■
Skill and training needs assessment		■	■																					
Identification of government schemes			■																					
Enrollment into government schemes			■																					
Training of PAPs for income restoration schemes			■																					
Consultation for relocation/rehabilitation of Community assets/Cultural properties		■	■																					
Awareness programmes with respect to HIV/AIDS		■		■		■		■		■		■		■		■		■		■		■		■
Awareness on Road Safety		■		■		■		■		■		■		■		■		■		■		■		■
Repeat training of PAPs for new vocation			■							■														
<b>Monitoring and Evaluation</b>																								
Internal Monitoring		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
External Monitoring and Evaluation		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Project Completion Survey																								
Project Completion Survey Report																								■

## 8. RESETTLEMENT BUDGET

### 8.1 SUMMARY OF RESETTLEMENT COSTS

90. The cost for various components such as land, structure, compensation for other assets within affected property, resettlement and rehabilitation assistance, has been estimated. The estimated total budget for the implementation of RAP is INR. 23.08 million.

**Table 8.1: RAP Budget**

Sr. No.	Category	Amount (INR)
1	Compensation for Land	9,817,288
2	Compensation for Structure and community assets	1,516,000
3	Compensation for other assets within affected property (Trees, water tap and water tank, motor pump, barbed wire fencing, hand pump and boundary wall)	3,943,515
4	Compensation for Encroachers	371,880
5	R&R Assistance	6,763,855
6	<b>Sub Total (1+2+3+4)</b>	<b>22,412,538</b>
7	Contingency (@3%)	672,376
8	<b>GRAND TOTAL (Sub Total + Contingency)</b>	<b>23,084,914</b>

#### 8.1.1 Compensation for Land

91. Compensation for land shall be provided to all the titleholders for the loss of their agricultural land. The cost of land has been calculated based on the most recent Jantri Rates (2011) collected from Department of Stamp Duty and Registration, GoG (Table 8.2). Detailed cost estimates along with Jantri rates for respective lands are given in Appendix 8.1. An area of 2.61 ha of government land will be transferred.

**Table 8.2: Compensation for Land**

Sr.No.	Chainage		Village	Total Area (sq. m)	Total cost (INR)
	From	To			
1	0+000	0+825	Tajpur	14900	1,025,841
2	0+825	4+575	Dhamod	21700	3,567,480
3	4+550	5+300	Sadhakpur	9100	375,495
4	5+300	7+900	Lalsar	32700	1,405,955
5	7+900	8+600	Vakhapur (Kidia)	8900	365,294
6	8+600	10+775	Ucharpi	23900	781,472
7	10+775	12+400	Unadra	24220	698,806
8	8+400	7+400	Hadod	37300	1,362,721
9	6+008	5+756	Khantana Bhensavada	3100	80,600
10	3+083	2+581	Maliya	4700	153,624
	<b>Total</b>			<b>180520</b>	<b>9,817,288</b>

#### 8.1.2 Compensation for Structures

92. Compensation for structures shall be provided for the loss of commercial, residential or mixed-use structures. Compensation shall be as per the most recent Schedule of Rates of R&BD. Different unit rates of compensation have been adopted based on the type of construction materials used as stated below:

- Pucca Structures @ INR 13,130 / sq.m;
- Semi-Pucca structures @ INR 12,396 / sq.m;
- Kutcha structures @ INR 5,000 / sq.m;
- Commercial and residential squatter (equivalent to construction cost of low-cost commercial and residential units @ Rs.40,000 and Rs. 45,000 respectively).

**Table 8.3: Compensation for Structure**

Sr. No.	Type of Structures	Number/sq.m.	Unit Rate(Rs.)	Total Cost (INR)
1	Commercial Structure (Kiosks)	34	40000	1360000
2	Community Assets* (sq.m.)	50	3120	156,000



	<b>Total</b>			<b>1,516,000</b>
	Mixed property semi-pucca (Encroachment)	<b>30</b>	<b>12,396</b>	<b>371,880</b>

\*Boundary wall of school @ INR 3120 / sq.m;

### 8.1.3 Compensation for Other Assets

93. Other assets affected such as 555 trees (private), 2 water taps, 3 water tanks, 8 motor pumps, 25 open/dug wells, 3 hand pumps, 1 barbed-wire fence and 3 boundary walls are located within the affected property will be compensated. The total cost estimated for other assets is INR 3,943,515. The unit rates for respective items are as follows:

- Tree @ INR 5,000;
- Water Tap @ INR 1500
- Water tank @ INR 3,120 /sq. m;
- Motor Pump @ INR 6,300
- Barbed wire fencing @ 500/running meter;
- Hand Pump@ 150,000
- Open well @ INR 733 / cum;
- Boundary Wall @ 3120/running meter;

**Table 8.4: Compensation for other Assets**

Sr. No.	Assets	Unit Rate(Rs.)	Numbers/sq. m	Total Cost (INR)
1	Tree	5,000	555	2,775,000
2	Water Tap	1,500	2	3,000
3	Water Tank	3,120	9	28,080
4	Motor Pump	6,300	8	50,400
5	Barbed wire Fencing	500	15	7,500
	Hand Pump	150,000	3	450,000
7	Open Well	733	795	582,735
8	Boundary Wall	3,120	15	46800
	<b>Total</b>			<b>3,943,515</b>

### 8.1.4 R&R Assistance

94. R&R assistance has been estimated based on the provisions of the proposed Entitlement Matrix. The total cost estimated for R&R assistance is INR 6,763,855.

**Table 8.5: R&R Assistance**

Category of PAP	Entitlement	Number of Person	Assistance (INR)	Amount(INR)
Commercial - Squatters	Shifting Allowance	34	5000	170,000
	Training Assistance	34	15000	510,000
Tenants	Shifting Allowance	3	5,000	15,000
	Rent Allowances@ INR 1500 for six month	3	9,000	27,000
Titleholder land (cattle shed)	Financial Assistance	2	15000	30,000
Vulnerable people	Training Assistance	41	15000	615,000
Additional Support for Scheduled Tribes	Financial Assistance	1	60000	60,000
Ex-Gratia (for whom losing >500sqm area)	Ex-Gratia	89	20000	1,780,000
<b>Total</b>				<b>3,207,000</b>
<b>Total R&amp;R Assistance(Extrapolated)<sup>20</sup></b>				<b>6,763,855</b>

95. An amount of INR 29.6 million is earmarked for cost of trainings, RAP implementing NGO, monitoring and evaluation, awareness programmes on road safety, HIV/AIDS awareness, etc., for all the project corridors to be taken up in the first phase. Escalation of

<sup>20</sup> Extrapolated for 183 more PAHs

these components have been considered at an annual inflation rate of 7% based on consumer price index and the escalated amount for Year-I is INR 31.7 million and for Year-II, the amount is INR 33.9 million.

# **Gujarat State Highway Project - II**

Volume-V A:  
Appendices to RAP

**Appendix 1.1: Chainagewise Details of Proposed Treatment**

From (km)	To (km)	Length (m)	Treatment Option	Existing CW width (m)	Existing Shoulder (m)	Proposed CW (m)	Proposed Hard Shoulder (m)	Remarks
<b>SH-69</b>								
0.000	0.100	0.100	Type E	5.5	1.000	15.5	1.25	Divided Fourlane/Close Drain and Foot Path
0.100	10.000	9.900	Type A	5.5	1.000	7	1	
10.000	11.000	1.000	Type B	5.5	1.000	7	1	
11.000	12.400	1.400	Type G	5.5	1.000	15.5	1.25	Divided Fourlane/Closed Drain and Foot Path
12.400	13.950	1.550	Type B	5.5	1.000	7	1	
13.950	14.225	0.275	Type C	5.5	1.000	7	1	
14.225	14.900	0.675	Type B	5.5	1.000	7	1	
14.900	15.175	0.275	Type C	5.5	1.000	7	1	
15.175	15.450	0.275	Type B	5.5	1.000	7	1	
15.450	15.650	0.200	Type C	5.5	1.000	7	1	
15.650	16.000	0.350	Type B	5.5	1.000	7	1	
16.000	17.861	1.861	Type A	5.5	1.000	7	1	
17.861	17.961	0.100	Type E	5.5	1.000	15.5	1.25	Divided Fourlane/Close Drain and Foot Path
<b>VR MDR</b>								
0.000	0.100	0.100	Type E	7.000	1.000	15.500	1.250	Divided Fourlane/Close Drain and Foot Path
0.100	6.400	6.300	Type A	5.5	1.000	7	1	
6.400	6.650	0.250	Type E	7.000	1.000	15.500	1.250	Divided Fourlane/Close Drain and Foot Path
6.650	12.239	5.589	Type A	5.5	1.000	7	1	
12.239	12.339	0.100	Type E	7	1.000	15.5	1.25	Divided Fourlane/Close Drain and Foot Path
<b>SH-63</b>								
13.937	13.787	0.150	Type E	7.000	1.000	15.500	1.250	Divided Fourlane/Close Drain and Foot Path
13.787	8.400	5.387	Type F	7.00	1.000	7	1	
8.400	7.400	1.000	Type A	7.00	1.000	7	1	
7.400	7.250	0.150	Mahi River	7.00	1.000	7	1	
7.250	6.600	0.650	Type A	7.00	1.000	7	1	
6.600	6.000	0.600	Type F	7.00	1.000	7	1	
6.000	5.750	0.250	Type A	7.00	1.000	7	1	
5.750	3.050	2.700	Type F	7.00	1.000	7	1	
3.050	2.600	0.450	Type A	7.00	1.000	7	1	
2.600	2.400	0.200	Type F	7.00	1.000	7	1	
2.400	1.900	0.500	Type A	7.00	1.000	7	1	
1.900	1.200	0.700	Type F	7.00	1.000	7	1	
1.200	0.106	1.094	Type D	7.00	1.000	7	1	
0.106	0.006	0.100	Type E	7.00	1.000	15.5	1.25	Divided Fourlane/Close Drain and Foot Path

From (km)	To (km)	Length (m)	Treatment Option	Existing CW width (m)	Existing Shoulder (m)	Proposed CW (m)	Proposed Hard Shoulder (m)	Remarks
155.400	155.575	0.175	Type C	7	1.000	10	1	
155.575	155.900	0.325	Type B	7	1.000	7	2.5	
155.900	156.000	0.100	Type C	7	1.000	10	1	
156.000	158.850	2.850	Type B	7	1.000	7	2.5	
158.850	158.925	0.075	Type C	7	1.000	10	1	
158.925	160.660	1.735	Type B	7	1.000	7	1	
160.660	160.725	0.065	Type C	7	1.000	10	1	
160.725	161.330	0.605	Type B	7	1.000	7	1	
161.330	161.400	0.070	Type C	7	1.000	10	1	
161.400	162.800	1.400	Type B	7	1.000	7	1	
162.800	163.800	1.000	Type D	7/10	1.000	10	1.5/With Footpath	

**Total length 8.400**

Reconstruction/New	Type A
Overlay and Widening	Type B
Eccentric widening	Type C
Overlay and Footpath/Drain	Type D
Divided Fourlane with Footpath	Type E
Overlay and Shoulder Widening	Type F
Divided Fourlane with Footpath	Type G

### Appendix 3.1: Socioeconomic Profile of Project Corridor Talukas And Settlements

**Table 1: Population distribution and Sex ratio in talukas**

Sr. No.	Talukas	Population		AAGR (2001-2011)	Sex Ratio	
		2001	2011		2001	2011
1	Bayad	186328	206857	1.1	932	941
2	Virpur	87091	100268	1.4	930	935
3	Lunawada	229798	257347	1.1	933	938
	<b>Total</b>	<b>503217</b>	<b>564472</b>	<b>1.2</b>	<b>932</b>	<b>939</b>

Source: Census 2001 and 2011

**Table 2: Juvenile Sex ratio for talukas abutting Bayad-Lunwada corridor, 2001 and 2011**

Sr. No.	Talukas	2001	2011
1	Bayad	860	900
2	Virpur	908	929
3	Lunawada	882	891
	<b>Total</b>	<b>878</b>	<b>901</b>

Source: Census 2001 and 2011

**Table 3: Literacy Rate for talukas abutting Bayad-Lunawada corridor, 2001 and 2011**

Sr. No.	Talukas	2001			2011		
		Total	Male	Female	Total	Male	Female
1	Bayad	68	83	52	78	89	66
2	Virpur	65	81	48	78	90	66
3	Lunawada	67	81	52	77	88	65
	<b>Total</b>	<b>67</b>	<b>82</b>	<b>51</b>	<b>77</b>	<b>89</b>	<b>65</b>

Source: Census 2001 and 2011

**Table 4: Urban population in talukas abutting Bayad-Lunawada corridor**

Sr. No.	Talukas	2001	2011	% of urban population to taluka population, 2001	% of urban population to talukas population, 2011	AAGR (2001-2011)
1	Bayad	0	25026	0.0	12.1	
2	Virpur	0	10,240	0.0	10.2	
3	Lunawada	33369	37005	14.5	14.4	1.0
	<b>Total</b>	<b>33369</b>	<b>72271</b>	<b>6.6</b>	<b>12.8</b>	<b>8.0</b>

Source: Census 2001 and 2011

**Table 5: Composition of workers by sector in project corridor talukas, 2001**

Sr. No.	Talukas	Cultivators	Agricultural	Household	Others
1	Bayad	38.0	21.8	0.8	39.4
2	Virpur	34.8	21.0	1.7	42.4
3	Lunawada	55.9	17.8	2.0	24.3
	<b>Total</b>	<b>46</b>	<b>20</b>	<b>2</b>	<b>33</b>

Source: Census 2001

**Table 6: Workforce Participation Ratio (in %) for Talukas abutting Corridor, 2001**

Sr. No.	Talukas	Total	Male	Female
1	Meghraj	48.4	55.2	41.1
2	Dhansura	50.2	53.1	47.1
3	Malpur	50.9	54.0	47.6
	<b>Total</b>	<b>50</b>	<b>54</b>	<b>45</b>

Source: Census 2001

**Table 7: Socioeconomic characteristics of Project area villages and settlements, 2001**

Sr. No.	Name	Population	Average HH Size	Sex Ratio	Juvenile sex ratio	Literacy Rate (in %)	Literacy rate (Male)	Literacy rate (female)	SC	ST
1	Charangam (Salawada)	2066	5.3	931	994	60	76	44	8.4	0.0
2	Demai	8557	5.2	939	853	75	87	62	8.1	1.4
3	Dhamod	1350	4.9	904	922	72	88	54	18.7	0.0
4	Hadod	2352	5.2	968	1127	60	75	44	1.7	0.0
5	Hardaspur	1020	5.5	858	805	82	94	69	8.9	14.5
6	Hathipura	1884	5.0	944	973	79	93	64	12.6	0.0
7	Juna Kalava	85	4.5	848	2500	90	95	82	0.0	0.0
8	Kashiyavat	142	5.1	1152	933	73	88	60	0.0	0.0
9	Khantana Bhensadavada	434	4.7	1019	1281	69	85	53	0.0	7.4
10	Kolwan	2819	5.5	933	898	56	72	39	4.6	1.1
11	Lalsar	997	5.2	906	704	59	75	43	2.1	0.0
12	Lank	2931	4.7	964	924	61	78	44	3.5	1.1
13	Lunawada (M)	33369	5.3	908	788	85	92	77	5.3	2.3
14	Maliya	399	4.5	928	1000	82	89	75	0.0	2.3
15	Nagano Math	663	4.7	962	1000	65	81	48	0.0	2.6
16	Patel-ni-Muvadi	1215	5.0	938	659	78	93	63	20.2	1.2
17	Pavapur	448	5.1	939	1086	65	78	52	4.0	18.5
18	Sadhakpur	558	4.7	904	842	80	91	68	0.0	0.0
19	Salawada	833	4.8	915	772	68	81	55	5.3	0.6
20	Tajpur	70	4.7	1059	1500	83	97	70	0.0	34.3
21	Talod	2336	5.2	945	1045	56	73	38	16.4	2.7
22	Tanachhia	176	4.4	1047	1286	63	77	48	0.0	96.6
23	Ucharpi	1681	5.1	971	972	54	72	36	10.4	17.1
24	Undra	5319	5.4	923	933	59	73	44	6.5	0.0
25	Untadi	621	4.6	917	850	75	87	62	10.3	4.3
26	Vajavat	720	5.1	1093	1240	55	79	33	0.0	0.0
27	Vakhatpur (Ko-Mahal)	677	4.5	974	595	82	93	71	0.0	0.0
28	Vijayganj	286	4.7	810	640	71	83	57	0.0	6.6
29	Sathamba	6876	4.9	5	909	76	87	64	14.6	4.7
	<b>Total</b>	<b>80884</b>	<b>5.2</b>	<b>925</b>	<b>864</b>	<b>75</b>	<b>86</b>	<b>63</b>	<b>6.5</b>	<b>2.5</b>

Source: Census 2001

**Table 8: Workers composition and WPR (in %) by sector in villages and settlements abutting project corridor, 2001**

Sr. No.	Name	% share of Workers in each sector				WPR (in %)		
		Cultivators	Agricultural	Household	Others	WPR	WPR_M	WPR_F
1	Charangam (Salawada)	0.0	0.0	0.0	0.0	53.4	54.7	52.0
2	Demai	22.5	18.4	0.5	58.6	48.1	53.0	42.9
3	Dhamod	49.8	11.4	3.9	34.9	46.1	50.8	40.9
4	Hadod	69.7	29.6	0.0	0.7	55.8	56.8	54.8
5	Hardaspur	29.9	32.8	0.4	36.9	52.1	49.2	55.4
6	Hathipura	33.9	27.1	0.0	39.0	47.2	57.1	36.7
7	Juna Kalava	55.6	2.2	2.2	40.0	52.9	50.0	56.4
8	Kashiyavat	45.8	0.0	0.0	54.2	50.7	53.0	48.7

Sr. No.	Name	% share of Workers in each sector				WPR (in %)		
		Cultivators	Agricultural	Household	Others	WPR	WPR_M	WPR_F
9	Khantana Bhensadavada	86.5	2.2	0.0	11.2	51.4	52.6	50.2
10	Kolwan	48.5	46.3	1.0	4.2	48.5	47.0	50.2
11	Lalsar	35.8	27.4	8.2	28.6	55.0	53.5	56.5
12	Lank	68.3	6.8	0.3	24.6	56.4	55.7	57.2
13	Lunawada (M)	3.0	1.7	3.8	91.6	29.0	46.4	9.7
14	Maliya	69.8	2.8	2.4	25.0	53.1	52.7	53.6
15	Nagano Math	77.8	2.9	0.3	19.0	56.4	62.4	50.2
16	Patel-ni- Muvadi	38.4	14.3	0.0	47.3	54.7	61.2	47.6
17	Pavapur	34.0	9.2	0.8	56.1	58.5	57.1	59.9
18	Sadhakpur	51.4	10.5	1.9	36.2	57.9	56.0	60.0
19	Salawada	31.4	5.0	3.8	59.7	53.1	52.0	54.3
20	Tajpur	26.8	24.4	7.3	41.5	58.6	58.8	58.3
21	Talod	47.0	14.9	0.6	37.5	58.5	59.5	57.4
22	Tanachhia	89.2	1.0	0.0	9.8	58.0	64.0	52.2
23	Ucharpi	49.3	19.3	0.2	31.2	57.6	55.9	59.4
24	Undra	39.8	19.2	1.2	39.8	56.2	56.2	56.2
25	Untadi	56.3	7.7	1.8	34.2	62.6	66.4	58.6
26	Vajavat	30.6	22.9	0.0	46.5	55.8	64.0	48.4
27	Vakhatpur (Ko-Mahal)	60.8	7.0	3.8	28.5	59.1	58.6	59.6
28	Vijayganj	35.8	33.5	0.0	30.6	60.5	60.8	60.2
29	Sathamba	9.3	10.4	0.7	79.6	33.5	52.3	13
	<b>Total</b>	<b>29.6</b>	<b>13.2</b>	<b>1.8</b>	<b>55.4</b>	<b>41</b>	<b>51</b>	<b>31</b>

Source: Census 2001



## APPENDIX 4.1: SOCIO-ECONOMIC QUESTIONNAIRE

**ROADS AND BUILDINGS DEPARTMENT, GOVT. OF GUJARAT**  
**PPWCS, GUJARAT STATE HIGHWAY PROJECT-II,**  
**CENSUS AND SOCIO ECONOMIC SURVEY OF PROJECT AFFECTED HOUSEHOLDS**

Form No. \_\_\_\_\_ Date \_\_\_\_\_  
 Name of Investigator \_\_\_\_\_  
 Name of Supervisor \_\_\_\_\_

ID No. \_\_\_\_\_ Chainage \_\_\_\_\_ Distance of Structure from C/L: \_\_\_\_\_

Address: \_\_\_\_\_ Village: \_\_\_\_\_ Block: \_\_\_\_\_ District: \_\_\_\_\_

Phone No: \_\_\_\_\_ Mobile No. \_\_\_\_\_ P/S: \_\_\_\_\_ P/O: \_\_\_\_\_

### 1. Type of the Use

1	Residential	2	Commercial	3	Mixed (C+R)	4	Industrial	5	Petrol Pump	6	Fam House	7	Government
8	Agricultural	9	Orchard	10	Under construction	11	Open land/Plot	12	Plantation	13	Grazing	14	Religious
15	Community Assets	16	Graveyard	17	Others (specify)								

### 2. Type of Loss due to the project

1	Structure	2	Land	3	Land and structure	4	Livelihood	5	Others (.....)
---	-----------	---	------	---	--------------------	---	------------	---	----------------

### 3. Type of Ownership:

1	Private	2	Government	3	Trust	4	Temple	5	Community	6	Others (.....)
---	---------	---	------------	---	-------	---	--------	---	-----------	---	----------------

### 4. Ownership Status of Property user

1	Titleholder	1	If Titleholder, any portion of the land or structure (or both) encroached into government land				Yes	1	No	2				
2	Non-Titleholder	2	If non-titleholder, specify category		1	Leased	2	Tenant	3	Squatter	4	Sharecropper	5	Kiosk/ Mobile Vendors

5a. Survey No. \_\_\_\_\_ / House No. \_\_\_\_\_

5b. Total Land Holding:	Bigha		Acre		Hectare	
	Sq.ft		Sq.m		other	

5c. Number of agricultural labourers working in the field (other than family members) – use separate sheet for each labourer (address question 19 to 27)

5d. Since how long does the agricultural labourer working in the same farm (number of months)

### 6. Extent of Impact

1	Partial	2	Full
---	---------	---	------

7a. Age of Building	7b. No. of Years Occupied	7c. Legal electricity connection	Yes	1	No	2	7. Which Floor?
7.d. Legal Property Document			Yes	1	No	2	

7e. Name of head of HH: \_\_\_\_\_ Tl. Slr \_\_\_\_\_ G \_\_\_\_\_ 1

9. If Tenant/Lessee: \_\_\_\_\_ G+1 \_\_\_\_\_ 2

Name and Address of the owner: \_\_\_\_\_ G+2 \_\_\_\_\_ 3

10. If the property is on rent then the amount of rent being paid per month: \_\_\_\_\_ Rs. \_\_\_\_\_

### 11. Assets affected in the Property

S. No	Assets	Units Owned	S. No	Assets	Units Owned	S. No	Assets	Units Owned
1	Trees		8	Motor Pump		15	Temple	
2	Dug Well		9	Boundary Wall		16	Seating around Tree	
3	Tube Well		10	Barbed Wire Fencing		17	Country Stove	
4	Open Well		11	Cattle Shed		18	Bathroom	
5	Water Tap		12	Temporary Shed		19	Others	
6	Water Tank		13	Washing place				
7	Hand Pump		14	Shrine				

**12. Structure types Details**

Wall	Reed	Bamboo	Cane	Mud	Brick	Others
	①	②	③	④	⑤	⑥
Roof	Thatch	Tin	Asbestos	Tiles	RCC	Others
	①	②	③	④	⑤	⑥
Floor	Mud	RCC	Tiles	Marble	Stone	Others
	①	②	③	④	⑤	⑥

**13. Social Category**

1.	Scheduled Caste (SC) [Community Name _____]	1						
2.	Scheduled Tribe (ST) [Community Name _____]	2						
3.	Primitive Tribe Group [Community Name _____]	3						
4.	Other Backward Community (OBC)	4						
5.	General	5						
13a	Religion	Hindu ①	Muslim ②	Christian ③	Sikh ④	Jain ⑤	Buddhist ⑥	Others
14	Whether Woman Headed Household	Yes	1	No	2			
15	Family Type	Joint	1	Nuclear	2			

**16. What type of business are you doing, In case of commercial use**

S. No	Category	Options							
1.	Refreshments	Tea Stall	Dhaba	Sweet Shop	Hotel	Restaurant	Motel	Pan Shop	Others
		①	②	③	④	⑤	⑥	⑦	⑧
2.	Service Industry	Tailoring	Hair Cutting	Cobbler	Blacksmith	Two wheeler repair	Four wheeler Repair	Cycle repair	Others
		①	②	③	④	⑤	⑥	⑦	⑧
3.	Retail Activity	Grocery	Chemist	Furniture	Petrol Pump	Electric Shop	Hardware	Electronics	Others
		①	②	③	④	⑤	⑥	⑦	⑧
4.	Other Services	STD/PCO	Photocopy	Weighing bridge	Godowns	Cold Storages			Others
		①	②	③	④	⑤			⑧
5.	Institutional	School	Government Offices	PHC/CHC	Veterinary Hospital	Anganvadi			Others
		①	②	③	④	⑤			⑧
6.	Industry	Cotton/ginning	Chemical	Oil Extraction	Dairy				Others
		①	②	③	④				⑧
7.	Manufacturing Unit	Stone/quarry	Building materials	Cast iron					Others
		①	②	③					⑧
8.	Small-scale	Food	Agri-processing						Others
		①	②						⑧

17. Capital Investment on Business (at the time of initiating business). Land (Rs.) \_\_\_\_\_ Structure (Rs.) \_\_\_\_\_ Material (Rs.) \_\_\_\_\_

18. Value of the property (opinion of the respondent): Land Cost (Rs.) \_\_\_\_\_ Structure cost (Rs.) \_\_\_\_\_

19. Socio-economic profile

Codes for Relationship with Head of the Household													
1	Head of Household	2		3	Wife	4	Husband	5		6		7	Son
8	Daughter	9		10	Son-in-law	11	Daughter-in-law	12		13		14	Grandfather
15	Grandmother	16		17	Grandson	18	Granddaughter	19		20		21	Father
22	Sister	23		24	Brother-in-law	25	Sister-in-law	26		27		28	Father
29	Mother	30		31	Father-in-law	32	Mother-in-law	33		34		35	Grandson-in-law
36	Granddaughter-in-law	37		38	Uncle	39	Aunt	40		41		42	Grandson
43	Nephew	44		45	Niece	46	Any other (specify)						
<b>Member Number</b>	1	2	3	4	5	6	7	8	9	10	11	12	
<b>A. Name</b>													Write down the names of all people who live and eat together in this household starting with head.
<b>B. Relationship</b>													
<b>C. Sex</b>	Is the NAME male or female?												
	M	M	M	M	M	M	M	M	M	M	M	M	
	F	F	F	F	F	F	F	F	F	F	F	F	
<b>D. Age</b>	How old was NAME on the last birthday?												
													Record the age on last birthday
<b>E. Marital Status</b>	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	Married
	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	㊱	㊲	Unmarried
	㊳	㊴	㊵	㊶	㊷	㊸	㊹	㊺	㊻	㊼	㊽	㊾	Divorced
	㊿	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	Separated
	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	Widow/Widower
	㉔	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	Single Un-wed mother
<b>F. Education</b>	The class till which the person has been educated.												
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	Illiterate
	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	Primary (Upto Class 3)
	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	㊱	High School (Class 4 - 7)
	㊲	㊳	㊴	㊵	㊶	㊷	㊸	㊹	㊺	㊻	㊼	㊽	Secondary (Class 8 - 10)
	㊿	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	Higher Secondary (Class 11 - 12)
	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	Vocational
	㉔	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	Higher (Graduate or higher)
	㊱	㊲	㊳	㊴	㊵	㊶	㊷	㊸	㊹	㊺	㊻	㊼	Technical (Graduate or higher)
<b>G. Physical/mental disabilities</b>	Is the NAME physically or mentally challenged?												
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	Yes
	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	No
<b>H. Occupation</b>	Is the NAME working?												
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	Yes
	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	No
	What is the main activity at the place of job?												
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	This may have multiple entries
	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	Artisans
	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	㊱	Farmer
	㊲	㊳	㊴	㊵	㊶	㊷	㊸	㊹	㊺	㊻	㊼	㊽	Agriculture Labour
	㊿	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	Business/Trade
	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	Govt. Service
	㉔	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	Private service
	㊱	㊲	㊳	㊴	㊵	㊶	㊷	㊸	㊹	㊺	㊻	㊼	Industrial labour
	㊿	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	Construction labour
	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	Housemaid
	㉔	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	Others (specify)
<b>I. Working Days</b>													Number of working days in a month
<b>J. Reason for not working</b>	What was the main reason for the NAME not working?												
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	Persons who are not working
	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	㉔	No work available
	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	㊱	Seasonal inactivity
	㊲	㊳	㊴	㊵	㊶	㊷	㊸	㊹	㊺	㊻	㊼	㊽	Household family duties
	㊿	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	Old (>65 yrs)
	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒	㉓	Student
	㉔	㉕	㉖	㉗	㉘	㉙	㉚	㉛	㉜	㉝	㉞	㉟	Physically Challenged
	㊱	㊲	㊳	㊴	㊵	㊶	㊷	㊸	㊹	㊺	㊻	㊼	Not willing to work
<b>K. Income</b>	How much does the NAME earn in a month (Rs.)												

Member Number	1	2	3	4	5	6	7	8	9	10	11	12		
L. Skills	Any skill possessed by the person?													
	①	①	①	①	①	①	①	①	①	①	①	①	①	Tailoring
	②	②	②	②	②	②	②	②	②	②	②	②	②	Electrical
	③	③	③	③	③	③	③	③	③	③	③	③	③	Plumbing
	④	④	④	④	④	④	④	④	④	④	④	④	④	Electronic / Watch Repair
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Lather works
	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	Handicraft
	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	Carpentry/masonry
⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	Others (specify)	
M. Possession of Documents	Whether the NAME possess the documents or NAME member in any													
	①	①	①	①	①	①	①	①	①	①	①	①	①	APL Ration Card (if included in the Card)
	②	②	②	②	②	②	②	②	②	②	②	②	②	BPL Ration Card (if included in the Card)
	③	③	③	③	③	③	③	③	③	③	③	③	③	Voters ID Card
	④	④	④	④	④	④	④	④	④	④	④	④	④	Driving Licence
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Job ID Card of NREGS (if yes, mark) If yes, provide Job ID number
N. Beneficiary of any other govt schemes	①	①	①	①	①	①	①	①	①	①	①	①	Yes	
	②	②	②	②	②	②	②	②	②	②	②	②	No	
	If yes, name of the scheme													
O. Participation	Whether the NAME participates in the following													
	①	①	①	①	①	①	①	①	①	①	①	①	①	Casted vote in the last legislative assembly/parliament election
	②	②	②	②	②	②	②	②	②	②	②	②	②	Casted vote in the last panchayat/local body election
	③	③	③	③	③	③	③	③	③	③	③	③	③	Whether member of any political party
	④	④	④	④	④	④	④	④	④	④	④	④	④	Whether member of any CBO/religious body, etc.
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Whether holds any position in such organisations If yes, mention the position Name of the Organisation

**20. Major and Minor Impact**

A. After the acquisition of land / structure, will you able to continue farming / business in the unaffected land / structure	Yes	①	No	②
B. If No, are you willing to give up the residual land / structure to the project authority against suitable compensation or assistance	Yes	①	No	②
C. Whether any plans or possibility to relocate outside the RoW	Yes	①	No	②
D. Any suggestion of the respondent with respect to que.20.				

**21. Rehabilitation Options**

S. No.	Resettlement Options	Choice (✓)	Priority (1,2,3...)	S. No.	Resettlement Options	Choice (✓)	Priority (1,2,3...)
1	Alternative shop/residence			5	Provide land against land		
2	Employment during project construction			6	Self-relocation		
3	Employment during maintenance			7	Others (specify)		
4	Training to improve the skill level			8	Others (specify)		

**22. Assets Owned (other than affected one)**

Agricultural Properties				Other Properties				Other Assets (livestock)
Irrigated/ Wet Land	Un Irrigated/ Dry Land	Orchard/Waste/ Barren/Horticulture Land	Equipment	House Plot	House	Farm House	Business Establishment	
Area	Area	Area	Number	Area	Area	Area	Area	Number
Value	Value	Value	Value	Value	Value	Value	Value	

**23. Agriculture (only affected crop)**

Name of Crop	Cropping pattern in a year			Yield Per Acre	Farmgate Price (Rs/quintal)
	Single	Double	Thrice		

**24. Household Expenditure (Amount in Rs)**

Total household expenditure monthly (approximate in Rs.)				Rs.	
Sl. No.	Category	(Rs.)	Sl. No.	Category	(Rs.)
1	Food (Monthly)		6	Health (Monthly/Annual)	
2	Education (Monthly/Annual)		7	Cooking fuel (Monthly)	
3	Cloth (Monthly/Annual)		8	Social Functions (Annual)	
4	Local Travel (Monthly)		9	Vehicle Maintenance (Monthly / Annual)	
5	Leisure (Monthly/Annually)		10	Out Station travel (Monthly / Annual)	

**25. Debts: (Amount in Rs)**

Total household debt (approximate in Rs.), if any			Rs.		
Sl. No.	Category	(Rs.)	Sl. No.	Category	(Rs.)
1	Crop/Agriculture Loan		4	Loan on vehicles	
2	Loan on Assets		5	Loan for education	
3	Jewell Loan		6	Personal Loan.	

**26. Household Items**

Sl. No.	Items	Yes / No		Sl. No.	Items	Yes / No	
1	TV	Yes	No	7	Food processor / Mixer / Grinder	Yes	No
2	Refrigerator	Yes	No	8	Computer / Laptop	Yes	No
3	Two Wheeler	Yes	No	9	Air Conditioner	Yes	No
4	Four Wheeler	Yes	No	10	Air Cooler	Yes	No
5	Telephone/Mobile Phone	Yes	No	11	Microwave Oven	Yes	No
6	Washing Machine	Yes	No	12	Others (specify)	Yes	No

**27. Health Status**

1	Have you or any family members been affected with any disease (consider for last one year)						Yes	1	No	2
2	If yes, type of disease (mention name of disease)	Respiratory	Digestive	Gynec related	Eye related	Ortho related	General			
		①	②	③	④	⑤	⑥			
2.a	If others (specify)	If others (specify)			If others (specify)					

**28. Drawing of the Affected Structure / Land with measurement [Total area and affected area of structure as well as land to be recorded – assets like hand pump, borewell, trees, agri crops, etc located within the affected area also to be recorded]**

LHS	Sketch of Structure	RHS

**Note for Enumerators:**

- [1] Q.No.3. Confirm the availability of Patta and mark as owned / encroachment.  
 [2] Q.No.4. Squatter: No legal ownership over the land occupied.  
 [3] Q.No.19. All the relationship should be specified with respect to the household head only.  
 [4] Q.No.29. Specify the distance from Centre Line to the property Boundary and Building Line. Mention all the dimensions of the building and plot boundaries in 'meters' only.  
 [5] Women Headed Household: The households headed by woman member of the family who is the sole/leading bread-earner of the family.

## APPENDIX 4.1: SOCIO-ECONOMIC QUESTIONNAIRE

**ROADS AND BUILDINGS DEPARTMENT, GOVT. OF GUJARAT**  
**PPWCS, GUJARAT STATE HIGHWAY PROJECT-II,**  
**CENSUS AND SOCIO ECONOMIC SURVEY OF PROJECT AFFECTED HOUSEHOLDS**

Form No. \_\_\_\_\_ Date \_\_\_\_\_  
 Name of Investigator \_\_\_\_\_  
 Name of Supervisor \_\_\_\_\_

ID No. \_\_\_\_\_ Chainage \_\_\_\_\_ Distance of Structure from C/L: \_\_\_\_\_

Address: \_\_\_\_\_ Village: \_\_\_\_\_ Block: \_\_\_\_\_ District: \_\_\_\_\_

Phone No: \_\_\_\_\_ Mobile No. \_\_\_\_\_ P/S: \_\_\_\_\_ P/O: \_\_\_\_\_

### 1. Type of the Use

1	Residential	2	Commercial	3	Mixed (C+R)	4	Industrial	5	Petrol Pump	6	Fam House	7	Government
8	Agricultural	9	Orchard	10	Under construction	11	Open land/Plot	12	Plantation	13	Grazing	14	Religious
15	Community Assets	16	Graveyard	17	Others (specify)								

### 2. Type of Loss due to the project

1	Structure	2	Land	3	Land and structure	4	Livelihood	5	Others (.....)
---	-----------	---	------	---	--------------------	---	------------	---	----------------

### 3. Type of Ownership:

1	Private	2	Government	3	Trust	4	Temple	5	Community	6	Others (.....)
---	---------	---	------------	---	-------	---	--------	---	-----------	---	----------------

### 4. Ownership Status of Property user

1	Titleholder	1	If Titleholder, any portion of the land or structure (or both) encroached into government land				Yes	1	No	2				
2	Non-Titleholder	2	If non-titleholder, specify category		1	Leased	2	Tenant	3	Squatter	4	Sharecropper	5	Kiosk/ Mobile Vendors

5a. Survey No. \_\_\_\_\_ House No. \_\_\_\_\_

5b. Total Land Holding:	Bigha		Acre		Hectare	
	Sq.ft		Sq.m		other	

5c. Number of agricultural labourers working in the field (other than family members) – use separate sheet for each labourer (address question 19 to 27)

5d. Since how long does the agricultural labourer working in the same farm (number of months)

### 6. Extent of Impact

1	Partial	2	Full
---	---------	---	------

7a. Age of Building	7b. No. of Years Occupied	7c. Legal electricity connection	Yes	1	No	2	7. Which Floor?	
7.d. Legal Property Document			Yes	1	No	2		
7e. Name of head of HH:	7f. Slr						G	1
9. If Tenant/Lessee:							G+1	2
Name and Address of the owner:							G+2	3

10. If the property is on rent then the amount of rent being paid per month:

Rs. \_\_\_\_\_

### 11. Assets affected in the Property

S. No	Assets	Units Owned	S. No	Assets	Units Owned	S. No	Assets	Units Owned
1	Trees		8	Motor Pump		15	Temple	
2	Dug Well		9	Boundary Wall		16	Seating around Tree	
3	Tube Well		10	Barbed Wire Fencing		17	Country Stove	
4	Open Well		11	Cattle Shed		18	Bathroom	
5	Water Tap		12	Temporary Shed		19	Others	
6	Water Tank		13	Washing place				
7	Hand Pump		14	Shrine				

**12. Structure types Details**

Wall	Reed	Bamboo	Cane	Mud	Brick	Others
	①	②	③	④	⑤	⑥
Roof	Thatch	Tin	Asbestos	Tiles	RCC	Others
	①	②	③	④	⑤	⑥
Floor	Mud	RCC	Tiles	Marble	Stone	Others
	①	②	③	④	⑤	⑥

**13. Social Category**

1.	Scheduled Caste (SC) [Community Name _____]	1						
2.	Scheduled Tribe (ST) [Community Name _____]	2						
3.	Primitive Tribe Group [Community Name _____]	3						
4.	Other Backward Community (OBC)	4						
5.	General	5						
13a	Religion	Hindu ①	Muslim ②	Christian ③	Sikh ④	Jain ⑤	Buddhist ⑥	Others
14	Whether Woman Headed Household	Yes	1	No	2			
15	Family Type	Joint	1	Nuclear	2			

**16. What type of business are you doing, In case of commercial use**

S. No	Category	Options							
1.	Refreshments	Tea Stall	Dhaba	Sweet Shop	Hotel	Restaurant	Motel	Pan Shop	Others
		①	②	③	④	⑤	⑥	⑦	⑧
2.	Service Industry	Tailoring	Hair Cutting	Cobbler	Blacksmith	Two wheeler repair	Four wheeler Repair	Cycle repair	Others
		①	②	③	④	⑤	⑥	⑦	⑧
3.	Retail Activity	Grocery	Chemist	Furniture	Petrol Pump	Electric Shop	Hardware	Electronics	Others
		①	②	③	④	⑤	⑥	⑦	⑧
4.	Other Services	STD/PCO	Photocopy	Weighing bridge	Godowns	Cold Storages			Others
		①	②	③	④	⑤			⑧
5.	Institutional	School	Government Offices	PHC/CHC	Veterinary Hospital	Anganvadi			Others
		①	②	③	④	⑤			⑧
6.	Industry	Cotton/ginning	Chemical	Oil Extraction	Dairy				Others
		①	②	③	④				⑧
7.	Manufacturing Unit	Stone/quarry	Building materials	Cast iron					Others
		①	②	③					⑧
8.	Small-scale	Food	Agri-processing						Others
		①	②						⑧

17. Capital Investment on Business (at the time of initiating business). Land (Rs.) \_\_\_\_\_ Structure (Rs.) \_\_\_\_\_ Material (Rs.) \_\_\_\_\_

18. Value of the property (opinion of the respondent): Land Cost (Rs.) \_\_\_\_\_ Structure cost (Rs.) \_\_\_\_\_

**19. Socio-economic profile**

Codes for Relationship with Head of the Household													
1	Head of Household	2	Wife	3	Husband	4	Son	5	Daughter	6	Son-in-law	7	Daughter-in-law
8	Grandmother	9	Grandson	10	Granddaughter	11	Brother-in-law	12	Sister-in-law	13	Father	14	Grandson-in-law
15	Mother	16	Father-in-law	17	Uncle	18	Aunt	19	Niece	20	Any other (specify)	21	Grandson-in-law
22	Granddaughter-in-law	23	Grandson-in-law	24	Grandson-in-law	25	Grandson-in-law	26	Grandson-in-law	27	Grandson-in-law	28	Grandson-in-law
<b>Member Number</b>	1	2	3	4	5	6	7	8	9	10	11	12	Write down the names of all people who live and eat together in this household starting with head.
<b>A. Name</b>													
<b>B. Relationship</b>													
<b>C. Sex</b>	Is the NAME male or female?												
	M	M	M	M	M	M	M	M	M	M	M	M	
<b>D. Age</b>	How old was NAME on the last birthday?												
	F	F	F	F	F	F	F	F	F	F	F	F	Record the age on last birthday
<b>E. Marital Status</b>	①	①	①	①	①	①	①	①	①	①	①	①	Married
	②	②	②	②	②	②	②	②	②	②	②	②	Unmarried
	③	③	③	③	③	③	③	③	③	③	③	③	Divorced
	④	④	④	④	④	④	④	④	④	④	④	④	Separated
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Widow/Widower
	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	Single Un-wed mother
<b>F. Education</b>	The class till which the person has been educated.												
	①	①	①	①	①	①	①	①	①	①	①	①	Illiterate
	②	②	②	②	②	②	②	②	②	②	②	②	Primary (Upto Class 3)
	③	③	③	③	③	③	③	③	③	③	③	③	High School (Class 4 – 7)
	④	④	④	④	④	④	④	④	④	④	④	④	Secondary (Class 8 – 10)
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Higher Secondary (Class 11 – 12)
	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	Vocational
⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	Higher (Graduate or higher)	
⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	Technical (Graduate or higher)	
<b>G. Physical/mental disabilities</b>	Is the NAME physically or mentally challenged?												
	①	①	①	①	①	①	①	①	①	①	①	①	Yes
<b>H. Occupation</b>	Is the NAME working?												
	①	①	①	①	①	①	①	①	①	①	①	①	Yes
	②	②	②	②	②	②	②	②	②	②	②	②	No
	What is the main activity at the place of job?												
	①	①	①	①	①	①	①	①	①	①	①	①	Artisans
	②	②	②	②	②	②	②	②	②	②	②	②	Farmer
③	③	③	③	③	③	③	③	③	③	③	③	Agriculture Labour	
④	④	④	④	④	④	④	④	④	④	④	④	Business/Trade	
⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Govt. Service	
⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	Private service	
⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	Industrial labour	
⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	Construction labour	
⑨	⑨	⑨	⑨	⑨	⑨	⑨	⑨	⑨	⑨	⑨	⑨	Housemaid	
⑩	⑩	⑩	⑩	⑩	⑩	⑩	⑩	⑩	⑩	⑩	⑩	Others (specify)	
<b>I. Working Days</b>													Number of working days in a month
<b>J. Reason for not working</b>	What was the main reason for the NAME not working?												
	①	①	①	①	①	①	①	①	①	①	①	①	Persons who are not working
	②	②	②	②	②	②	②	②	②	②	②	②	No work available
	③	③	③	③	③	③	③	③	③	③	③	③	Seasonal inactivity
	④	④	④	④	④	④	④	④	④	④	④	④	Household family duties
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Old (>65 yrs)
	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	Student
⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	Physically Challenged	
<b>K. Income</b>	How much does the NAME earn in a month (Rs.)												



Member Number	1	2	3	4	5	6	7	8	9	10	11	12		
<b>L. Skills</b>	<b>Any skill possessed by the person?</b>													
	①	①	①	①	①	①	①	①	①	①	①	①	①	Tailoring
	②	②	②	②	②	②	②	②	②	②	②	②	②	Electrical
	③	③	③	③	③	③	③	③	③	③	③	③	③	Plumbing
	④	④	④	④	④	④	④	④	④	④	④	④	④	Electronic / Watch Repair
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Lather works
	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	⑥	Handicraft
	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	⑦	Carpentry/masonry
⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	⑧	Others (specify)	
<b>M. Possession of Documents</b>	<b>Whether the NAME possess the documents or NAME member in any</b>													
	①	①	①	①	①	①	①	①	①	①	①	①	①	APL Ration Card (if included in the Card)
	②	②	②	②	②	②	②	②	②	②	②	②	②	BPL Ration Card (if included in the Card)
	③	③	③	③	③	③	③	③	③	③	③	③	③	Voters ID Card
	④	④	④	④	④	④	④	④	④	④	④	④	④	Driving Licence
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Job ID Card of NREGS (if yes, mark) If yes, provide Job ID number
<b>N. Beneficiary of any other govt schemes</b>	①	①	①	①	①	①	①	①	①	①	①	①	Yes	
	②	②	②	②	②	②	②	②	②	②	②	②	No	
	If yes, name of the scheme													
<b>O. Participation</b>	<b>Whether the NAME participates in the following</b>													
	①	①	①	①	①	①	①	①	①	①	①	①	①	Casted vote in the last legislative assembly/parliament election
	②	②	②	②	②	②	②	②	②	②	②	②	②	Casted vote in the last panchayat/local body election
	③	③	③	③	③	③	③	③	③	③	③	③	③	Whether member of any political party
	④	④	④	④	④	④	④	④	④	④	④	④	④	Whether member of any CBO/religious body, etc.
	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	⑤	Whether holds any position in such organisations If yes, mention the position Name of the Organisation

**20. Major and Minor Impact**

A. After the acquisition of land / structure, will you able to continue farming / business in the unaffected land / structure	Yes	①	No	②
B. If No, are you willing to give up the residual land / structure to the project authority against suitable compensation or assistance	Yes	①	No	②
C. Whether any plans or possibility to relocate outside the RoW	Yes	①	No	②
D. Any suggestion of the respondent with respect to que.20.				

**21. Rehabilitation Options**

S. No.	Resettlement Options	Choice (✓)	Priority (1,2,3...)	S. No.	Resettlement Options	Choice (✓)	Priority (1,2,3...)
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Area	Area	Area	Number	Area	Area	Area	Area	Number
Value	Value	Value	Value	Value	Value	Value	Value	

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**26. Household Items**

Sl. No.	Items	Yes / No		Sl. No.	Items	Yes / No	
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2	Refrigerator	Yes	No	8	Computer / Laptop	Yes	No
3	Two Wheeler	Yes	No	9	Air Conditioner	Yes	No
4	Four Wheeler	Yes	No	10	Air Cooler	Yes	No
5	Telephone/Mobile Phone	Yes	No	11	Microwave Oven	Yes	No
6	Washing Machine	Yes	No	12	Others (specify)	Yes	No

**27. Health Status**

1	Have you or any family members been affected with any disease (consider for last one year)						Yes	1	No	2
2	If yes, type of disease (mention name of disease)	Respiratory	Digestive	Gynec related	Eye related	Ortho related	General			
		①	②	③	④	⑤	⑥			
2.a	If others (specify)	If others (specify)			If others (specify)					

**28. Drawing of the Affected Structure / Land with measurement [Total area and affected area of structure as well as land to be recorded – assets like hand pump, borewell, trees, agri crops, etc located within the affected area also to be recorded]**

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 [3] Q.No.19. All the relationship should be specified with respect to the household head only.  
 [4] Q.No.29. Specify the distance from Centre Line to the property Boundary and Building Line. Mention all the dimensions of the building and plot boundaries in 'meters' only.  
 [5] Women Headed Household: The households headed by woman member of the family who is the sole/leading bread-earner of the family.

**APPENDIX 4.2: LIST OF IMPACTED PROPERTIES AND STRUCTURES**

Map Id Ref No.	chainage	rhs/lhs	Structure type	LAQ	village	block	Name of Head of HH
<b>Bayad-Dhori Dungri</b>							
1	0+005R	RHS	Shop	Commercial	Madhavkampa	Bayad	Vasava Iswarbhai Shankarbhai
2	0+010L	LHS	Shop	Commercial	Madhavkampa	Bayad	Not Found
3	0+010R	RHS	Shop	Commercial	Madhavkampa	Bayad	Marvadi Dineshbhai
4	4+330L	LHS	Shop	Commercial	Savela	Bayad	Shivsinh Amarsinh Chauhan
5	4+350R	RHS	Shop	Commercial	Savela	Bayad	Goswami Shardaben Somjibhai
6	4+380R	RHS	Shop	Commercial	Savela	Bayad	Narendragiri
7	7+850	RHS	Open land Fencing	Agricultural		Bayad	Not Found
8	11+460R	RHS	Shop	Commercial	Sathamba	Bayad	Solanki Chandrapalsinh
9	11+460L	LHS	Shop	Commercial	Sathama	Bayad	Bachubhai Bhangi
10	11+463R	RHS	Shop	Commercial	Sathamba	Bayad	Fakir Makbulsha
11	11+470L	LHS	Shop	Commercial	Sathama	Bayad	Makwana Jitendrakumar Punambhai
12	11+470R	RHS	Shop	Commercial	Sathambha	Bayad	Wasimbhai Diwan
13	11+480L	LHS	Shop	Commercial	Sathamba	Bayad	Ramsinh Amarsinh
14	11+480R	RHS	Shop	Commercial	Sathamba	Bayad	Solanki Vijaybhai
15	11+490R	RHS	Shop	Commercial	Sathamba	Bayad	Shekh Nasirbhai
16	11+490 R	RHS	Shop	Commercial	Sathaba	Bayad	Bhobhabhai
17	11+495 R	RHS	Shop	Commercial	Sathaba	Sathaba	Saberabibi LalafSha Fakir
18	11+495 R	RHS	Shop	Commercial	Sathaba	Bayad	Ajitsinh Radhesinh Solnki
19	11+565 R	RHS	Shop	Commercial	Sathaba	Sathaba	Jasvantsinh Shahebsinh Baraiya
20	11+650	LHS	School	Government		Sathamba	Sanskar Education Trust Vidyalva
21	12+050 L	RHS	Shop	Commercial	Sathaba	Bayad	Baydiya SadamHusen
22	12+090 R	RHS	Shop	Commercial	Sathaba	Sathaba	Solnki Vishal Kanubhai
23	12+110 R	RHS	Shop	Commercial	Sathaba	Bayak	Solnki Nupalsing
24	12+115 R	RHS	Shop	Commercial	Sathaba	Sathaba	Not Found
25	12+115 L	LHS	Shop	Commercial	Sathaba	Sathaba	Ramanbhai
26	12+118 R	RHS	Shop	Commercial	Sathaba	Sathaba	Not Found
27	12+120 R	RHS	Shop	Commercial	Sathaba	Sathaba	Not Found
28	12+ 120 L	LHS	Shop	Commercial	Sathaba	Sathaba	Not Found
29	12+125 L	LHS	Shop	Commercial	Sathaba	Sathaba	Solnki Ajitsing
30	12+130 L	LHS	Shop	Commercial		Bayad	Lalabhai Ishvarbhai
31	12+250 L	LHS	Shop	Commercial	Chanpalvat	Bayad	Parmar Vajesing
32	12+580 L	LHS	Shop	Commercial	Sathaba	Bayad	Baraiya Dilipbhai
33	12+640 R	RHS	Shop	Commercial	Chanpalvat	Bayad	Solnki Ranjitsing Ramansing
34	13+000 L	LHS	Shop	Commercial	Chanpalvat	Bayad	Solnki somsing Nansing
<b>Dhori Dungri-Garasiyawada</b>							
35	0+050	LHS		Agricultural	Tajpur	Virpur	Kasturba Trust
36	0+156	RHS		Agricultural	Tajpur	Virpur	Patel Kasanben Dhudabhai
37	0+200 L/R	RHS/LHS		Agricultural	Tajpur	Virpur	Patel Ashokbhai Laljibhai
38	0+280	LHS/RHS		Agricultural	Tajpur	Virpur	Bharwad Gokalbhai Kanabhai
39	0+430	LHS/RHS		Agricultural	Tajpur	Virpur	Bharwad Kalabhai Jethabhai
40	0+600	LHS/RHS		Agricultural	Tajpur	Virpur	Bharwad Bhalabhai Kanabhai
41	0+780	LHS/RHS		Agricultural	Tajpur	Virpur	Bharwad Ranchhodhbhai Jivabhai
42	0+850	LHS/RHS		Agricultural	Tajpur	Virpur	Bharwad Ranchhodhbhai Khodabhai
43	2+400	RHS/LHS		Agricultural	Dhamod	Lunavada	Not Found
44	2+400	RHS/LHS		Agricultural	Dhamod	Lunavada	Somabhai Nanabhai Pagi
45	2+400	RHS/LHS		Agricultural	Dhamod	Lunavada	Motibhai Khoyabhai Pagi
46	2+450	LHS		Agricultural	Dhamod	Lunavada	Kanabhai Fulabhai Pagi
47	2+600	LHS		Agricultural	Dhamod	Lunavada	Malabhai Bhudarbhai Pagi
48	3+225	RHS		Agricultural	Dhamod	Lunavada	Not Found
49	3+300RL	LHS/RHS		Agricultural	Dhamod	Lunavada	Not Found
50	3+400LR	LHS/RHS		Agricultural	Dhamod	Lunavada	Not Found
51	3+450LR	LHS/RHS		Agricultural	Dhamod	Lunavada	Harjibhai Khusalbhai Garo
52	3+450LR	LHS/RHS		Agricultural	Dhamod	Lunavada	Not Found
53	3+500R	RHS		Agricultural	Dhamod	Lunavada	Dhuliben Natvarbhai Garo
54	3+500R	RHS		Agricultural	Dhamod	Lunavada	Not Found
55	3+500	LHS		Agricultural	Dhamod	Lunavada	Patel Dulabhai Rayjibhai
56	3+500	RHS		Agricultural	Dhamod	Lunavada	Not Found
57	3+550	LHS		Agricultural	Dhamod	Lunavada	Garo Shashikantbhai Krunsankantbhai
58	3+550	RHS		Agricultural	Dhamod	Lunavada	Dhuliben Natvarbhai Garo
59	3+700R	LHS		Agricultural	Dhamod	Lunavada	Pandya Bhanuprasad Jivabhai

Map Id Ref No.	chainage	rhs/lhs	Structure type	LAQ	village	block	Name of Head of HH
60	3+700R	RHS		Agricultural	Dhamod	Lunavada	Not Found
61	3+770	LHS		Agricultural	Dhamod	Lunavada	Not Found
62	3+770	RHS		Agricultural	Dhamod	Lunavada	Shantibhai Bhajibhai Harijan
63	3+775R	RHS		Agricultural	Dhamod	Lunavada	Natvarbhai Mohanbhai Panchal
64	3+810	LHS		Agricultural	Dhamod	Lunavada	Not Found
65	3+810	RHS		Agricultural	Dhamod	Lunavada	Chamar Methabhai Jethabhai
66	3+830	LHS		Agricultural	Dhamod	Lunavada	Not Found
67	3+900	RHS		Agricultural	Dhamod	Lunavada	Ramabhai Nathabhai Chamar
68	3+900	LHS		Agricultural	Dhamod	Lunavada	Not Found
69	3+900	RHS		Agricultural	Dhamod	Lunavada	jasiben Punjabhai Chamar
70	3+940	RHS		Agricultural	Dhamod	Lunavada	Not Found
71	3+980	RHS		Agricultural	Dhamod	Lunavada	Revabhai Rupabhai Chamar
72	3+980	LHS		Agricultural	Dhamod	Lunavada	Not Found
73	4+100	LHS		Agricultural	Dhamod	Lunavada	Natvarbhai Shivabhai Patel
74	4+100	LHS		Agricultural	Dhamod	Lunavada	Not Found
75	4+100	RHS		Agricultural	Dhamod	Lunavada	Babarabhai Hirabhai Patel
76	4+200	LHS		Agricultural	Dhamod	Lunavada	Fakirbhai Zaverbhai Patel
77	4+200	RHS		Agricultural	Dhamod	Lunavada	Not Found
78	4+200	RHS		Agricultural	Dhamod	Lunavada	Nathiben Hirabhai Patel
79	4+280	RHS		Agricultural	Dhamod	Lunavada	Not Found
80	4+350	LHS		Agricultural	Dhamod	Lunavada	Rajibhai Hirabhai Patel
81	4+350	LHS		Agricultural	Dhamod	Lunavada	Kalabhai Sakalabhai Patel
82	4+350	RHS		Agricultural	Dhamod	Lunavada	Not Found
83	4+390	LHS		Agricultural	Dhamod	Lunavada	Not Found
84	4+390	RHS		Agricultural	Dhamod	Lunavada	Not Found
85	4+400	RHS		Agricultural	Dhamod	Lunavada	Pujabhai Somabhai Patel
86	4+400	LHS		Agricultural	Dhamod	Lunavada	Amalal Muljibhai Patel
87	4+400	RHS		Agricultural	Dhamod	Lunavada	Rakeshkumar Jasubhai Patel
88	4+450	LHS		Agricultural	Dhamod	Lunavada	Not Found
89	4+450	RHS		Agricultural	Dhamod	Lunavada	Not Found
90	4+500	LHS		Agricultural	Dhamod	Lunavada	Patel Dulabhai Rayjibhai
91	4+500	RHS		Agricultural	Dhamod	Lunavada	Patel Dulabhai Rayjibhai
92	4+550	LHS		Agricultural	Dhamod	Lunavada	Not Found
93	4+550	RHS		Agricultural	Dhamod	Lunavada	Not Found
94	4+600	RHS		Agricultural	Sadhakpur	Lunawada	Patel Babarabhai Gopalbhai
95	4+620	LHS		Agricultural	Sadhakpur	Lunawada	Not Found
96	4+700	LHS		Agricultural	Sadhakpur	Lunawada	Patel Kantibhai Sakhabhai
97	4+830	RHS		Agricultural	Sadhakpur	Lunawada	Patel Mafatbhai Parshottambhai
98	4+840	LHS		Agricultural	Sadhakpur	Lunawada	Not Found
99	4+850	RHS		Agricultural	Sadhakpur	Lunawada	Patel Jayantibhai Sakhabhai
100	4+860	RHS		Agricultural	Sadhakpur	Lunawada	Not Found
101	4+870	LHS		Agricultural	Sadhakpur	Lunawada	Patel Bhurabhai Hirabhai
102	4+870 R	RHS		Agricultural	Sadhakpur	Lunawada	Patel Charubhai Naranbhai
103	4+880	LHS		Agricultural	Sadhakpur	Lunawada	Not Found
104	4+880 R	RHS		Agricultural	Sadhakpur	Lunawada	Patel Rameshbhai Kacharabhai
105	4+890 R	RHS		Agricultural	Sadhakpur	Lunawada	Patel Sakhidas Rayjibhai
106	4+900	RHS		Agricultural	Sadhakpur	Lunawada	Not Found
107	5+000	LHS		Agricultural	Sadhakpur	Lunawada	Patel Kantibhai Punjabhei
108	5+000	RHS		Agricultural	Sadhakpur	Lunawada	Patel Ambalal Kodarabhai
109	5+010	RHS		Agricultural	Sadhakpur	Lunawada	Not Found
110	5+050	LHS		Agricultural	Sadhakpur	Lunawada	Not Found
111	5+050	RHS		Agricultural	Sadhakpur	Lunawada	Patel Govindbhai Mangalabhai
112	5+075 L	RHS		Agricultural	Sadhakpur	Lunawada	Patel Prabhudas Somabhai
113	5+075 R	RHS		Agricultural	Sadhakpur	Lunawada	Patel Jasubhai Hirabhai
114	5+090 R	RHS		Agricultural	Sadhakpur	Lunawada	Patel Dhulabhai Rayjibhai
115	5+100 L	LHS		Agricultural	Sadhakpur	Lunawada	Patel Chandrakant Dhulabhai
116	5+150	RHS		Agricultural	Sadhakpur	Lunawada	Patel Kanubhai Parshottambhai
117	5+170	RHS		Agricultural	Sadhakpur	Lunawada	Sadhakpur Milk Center
118	5+200	RHS		Agricultural	Sadhakpur	Lunawada	Patel Mohanbhai Sakalabhai
119	5+200	RHS		Agricultural	Sadhakpur	Lunawada	Pagi Kodarabhai Khatubhai
120	5+210	RHS		Agricultural	Sadhakpur	Lunawada	Pagi Sw.Jagdishbhai Kalyanbhai
121	5+250	RHS		Agricultural	Sadhakpur	Lunawada	Patel Punjabhai Mangalbhia
122	5+275L	LHS		Agricultural	Lalsar	Lunavadi	Punjabhai Manganlal Patel
123	5+290	RHS		Agricultural	Lalsar	Lunavadi	Not Found

Map Id Ref No.	chainage	rhs/lhs	Structure type	LAQ	village	block	Name of Head of HH
124	5+325L	LHS		Agricultural	Lalsar	Lunavadi	Not Found
125	5+340R	RHS		Agricultural	Lalsar	Lunavadi	Manealbhaj dajibhai Patel
126	5+350L	LHS		Agricultural	Lalsar	Lunavadi	Gopalbhaj rajibhai Patel
127	5+350L/R	LHS/RHS		Agricultural	Lalsar	Lunavadi	Rameshbhai Mangaldas patel
128	5+365R	RHS		Agricultural	Lalsar	Lunavadi	Jethabhai Bhagabhai Patel
129	5+400L	LHS		Agricultural	Lalsar	Lunavadi	Rameshbhai Mangaldas patel
130	5+420L	LHS		Agricultural	Lalsar	Lunavadi	Punjabhai Manganlal Patel
131	5+430L	LHS		Agricultural	Lalsar	Lunavadi	Lalabhai Kalidas Patel
132	5+440L	LHS		Agricultural	Lalsar	Lunavadi	Not Found
133	5+450L	LHS		Agricultural	Lalsar	Lunavadi	Not Found
134	5+465L	LHS		Agricultural	Lalsar	Lunavadi	Manealbhaj dajibhai Patel
135	5+475L	LHS		Agricultural	Lalsar	Lunavadi	sakhidas Laldas Patel
136	5+500L	LHS		Agricultural	Lalsar	Lunavadi	Raijibhai Pujabhai Patel
137	5+525	LHS		Agricultural	Lalsar	Lunavadi	Arvindbhai Narayanbhai Patel
138	5+575	LHS		Agricultural	Lalsar	Lunavadi	Not Found
139	5+620	LHS		Agricultural	Lalsar	Lunavadi	Jaytibhai Lakhubhai Panchal
140	5+660 L/R	LHS/RHS		Agricultural	Lalasar	Lunavadi	Not Found
141	5+700	LHS		Agricultural	Lalasar	Lunavadi	Not Found
142	5+720 R	RHS		Agricultural	Lalasar	Lunavadi	Not Found
143	5+720 L	LHS		Agricultural	Lalasar	Lunavadi	Kishorbhai Nathabhai Patel
144	5+722 L	LHS		Agricultural	Lalasar	Lunavadi	Not Found
145	5+750 L	LHS		Agricultural	Lalasar	Lunavadi	Ambalal Babarbhaj Patel
146	5+775 R	RHS		Agricultural	Lalasar	Lunavadi	Madhuben Manubhai Patel
147	5+800 L	LHS		Agricultural	Lalasar	Lunavadi	Not Found
148	5+800 L	LHS		Agricultural	Lalasar	Lunavadi	Not Found
149	5+810 R	RHS		Agricultural	Lalasar	Lunavadi	Not Found
150	5+820 L	LHS		Agricultural	Lalasar	Lunavadi	Not Found
151	5+825 R	RHS		Agricultural	Lalasar	Lunavadi	Kailashben Manubhai Patel
152	5+830	LHS		Agricultural	Lalasar	Lunavadi	Not Found
153	5+835 R	RHS		Agricultural	Lalasar	Lunavadi	Not Found
154	5+835 L	LHS		Agricultural	Lalasar	Lunavadi	Kailashben Manubhai Patel
155	5+850	LHS		Agricultural	Lalasar	Lunavadi	Manubhai Mangalbhaj Patel
156	5+875	LHS		Agricultural	Lalasar	Lunavadi	Not Found
157	5+900	LHS		Agricultural	Lalasar	Lunavadi	Not Found
158	5+920	LHS		Agricultural	Lalasar	Lunavadi	Not Found
159	5+925	RHS		Agricultural	Lalasar	Lunavadi	Not Found
160	5+940	LHS		Agricultural	Lalasar	Lunavadi	Not Found
161	5+940	RHS		Agricultural	Lalasar	Lunavadi	Kanubhai Kishorbhai Patel
162	5+960	RHS		Agricultural	Lalasar	Lunavadi	Not Found
163	5+980	RHS		Agricultural	Lalasar	Lunavadi	Rameshbhai Mangalbhaj Patel
164	6+000	LHS		Agricultural	Lalasar	Lunavadi	Jethabhai Bhagabhai Patel
165	6+000	RHS		Agricultural	Lalasar	Lunavadi	Babubhai Motibhai Patel
166	6+120	RHS/LHS		Agricultural	Lalasar	Lunavadi	Maniben Gokalbhaj
167	6+130	RHS/LHS		Agricultural	Lalasar	Lunavadi	Chandubhai Navabhai Patel
168	6+150	RHS/LHS		Agricultural	Lalasar	Lunavadi	Jasiben Lalabhai Paten
169	6+150	RHS/LHS		Agricultural	Lalasar	Lunavadi	Not Found
170	6+160	RHS/LHS		Agricultural	Lalasar	Lunavadi	Not Found
171	6+175	RHS/LHS		Agricultural	Lalasar	Lunavadi	Babarbhaj Pujabhai Patel
172	6+315	RHS/LHS		Agricultural	Lalasar	Lunavadi	Not Found
173	6+365	RHS		Agricultural	Lalasar	Lunavadi	Not Found
174	6+400	LHS		Agricultural	Lalasar	Lunavadi	Nathabhai Ranchodbai Khant
175	6+420	LHS/RHS		Agricultural	Lalasar	Lunavadi	Not Found
176	6+475	LHS		Agricultural	Lalasar	Lunavadi	Not Found
177	6+475	RHS		Agricultural	Lalasar	Lunavadi	Kanubhai Lalabhai Patel
178	6+495	LHS		Agricultural	Lalasar	Lunavadi	Nathabhai Ranchodbai Khant
179	6+500	RHS/LHS		Agricultural	Lalasar	Lunavadi	Not Found
180	6+500	RHS/LHS		Agricultural	Lalasar	Lunavadi	Nathabhai Ranchodbai Khant
181	6+520	RHS/LHS		Agricultural	Lalasar	Lunavadi	Not Found
182	6+520	LHS		Agricultural	Lalasar	Lunavadi	Not Found
183	6+525	RHS		Agricultural	Lalasar	Lunavadi	Not Found
184	6+535	RHS/LHS		Agricultural	Lalasar	Lunavadi	Riteshbhai Bkorbhaj Patel
185	6+600	RHS		Agricultural	Lalasar	Lunavadi	Hiteshbhai Babarbhaj Patel
186	6+640	RHS/LHS		Agricultural	Lalasar	Lunavadi	Dahyabhai Ratajibhai Bariya
187	6+700	RHS		Agricultural	Lalasar	Lunavadi	Bkorbhaj Lanbajibhai Patel

Map Id Ref No.	chainage	rhs/lhs	Structure type	LAQ	village	block	Name of Head of HH
188	6+720	RHS		Agricultural	Lalasar	Lunavadi	Parsottambhai Nanabhai Patel
189	6+820	RHS/LHS		Agricultural	Lalasar	Lunavadi	Sakhidas Kishorbhai Patel
190	6+822	RHS/LHS		Agricultural	Lalasar	Lunavadi	Babarabhai Nathabhai Pagi
191	6+825	LHS		Agricultural	Lalasar	Lunavadi	Pagi Somabhai Chhitabhai
192	6+850	RHS		Agricultural	Lalasar	Lunavadi	Dudhabhai Koyabhai Vankar
193	6+940	RHS		Agricultural	Lalasar	Lunavadi	Bhairavsing Mansing Bariya
194	6+975	RHS		Agricultural	Lalasar	Lunavadi	Not Found
195	6+975	LHS		Agricultural	Lalasar	Lunavadi	Not Found
196	6+980	RHS		Agricultural	Lalasar	Lunavadi	Dalusing Vajesing Bariya
197	7+000	LHS		Agricultural	Lalasar	Lunavadi	Nanasing Manasing Bariya
198	7+130	LHS		Agricultural	Lalasar	Lunavadi	Dahyabhai Ratajibhai Bariya
199	7+140	LHS		Agricultural	Lalasar	Lunavadi	Lalabhai Becharbhai Patel
200	7+150	LHS		Agricultural	Lalasar	Lunavadi	Not Found
201	7+145	RHS		Agricultural	Lalasar	Lunavadi	Javansing Jugabhai Bariya
202	7+155	LHS		Agricultural	Lalasar	Lunavadi	Not Found
203	7+158	LHS		Agricultural	Lalasar	Lunavadi	Vinubhai Girdharbhai Patel
204	7+160	LHS		Agricultural	Lalasar	Lunavadi	Not Found
205	7+175	RHS		Agricultural	Lalasar	Lunavadi	Rayjibhai Kalabhai Patel
206	7+200	LHS		Agricultural	Lalasar	Lunavadi	Dilipbhai Muljibhai Patel
207	7+225 R	RHS		Agricultural	Lalasar	Lunavadi	Dhuklabhai Prabhubhai Patel
208	7+240 R	RHS		Agricultural	Lalasar	Lunavadi	Pranlal Ambalal Patel
209	7+400 R/L	RHS/LHS		Agricultural	Lalasar	Lunavadi	Manguben Ambalal Patel
210	7+540 L	LHS		Agricultural	Lalasar	Lunavadi	Rayjibhai Galabhai Patel
211	7+600 R/L	RHS/LHS		Agricultural	Lalasar	Lunavadi	Parsottambhai Gopalbhai Patel
212	7+670 L	LHS		Agricultural	Lalasar	Lunavadi	Hirabhai Munjibhai Patel
213	7+670 L	LHS		Agricultural	Lalasar	Lunavadi	Sakhiben Chhitabhai Patel
214	7+665 L	LHS		Agricultural	Lalasar	Lunavadi	Parsottambhai Lalabhai Patel
215	7+665 R	RHS		Agricultural	Lalasar	Lunavadi	Parsottambhai Ramjibhai Patel
216	7+670 R	RHS		Agricultural	Lalasar	Lunavadi	Hirabhai Jorabhai Patel
217	7+675 L	LHS		Agricultural	Lalasar	Lunavadi	Not Found
218	7+700 R	RHS		Agricultural	Lalasar	Lunavadi	Arvindbhai Parsottambhai Patel
219	7+800 L/R	LHS/RHS		Agricultural	Lalasar	Lunavadi	Arvindbhai Parsottambhai Patel
220	7+900 R/L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Chimanbhai Hirabhai
221	7+920 R/L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Jashvantbhai Bakorbhai
222	7+950 R/L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Arunbhai Fakirbhai
223	8+000 R	RHS		Agricultural	Vakhatpur	Lunawada	Patel Somabhai Mnorbhai
224	8+000 L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Ramanbhai Mangalbhai
225	8+050 R	RHS		Agricultural	Vakhatpur	Lunawada	Patel Mahasukhbhai Bakorbhai
226	8+050 L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Hirabhai Muljibhai
227	8+100 R	RHS		Agricultural	Vakhatpur	Lunawada	Patel Hirabhai Manorbhai
228	8+150 R/L	LHS		Agricultural	Vakhatpur	Lunawada	Pagi Rayjibhai Amirbhai
229	8+175 L/R	LHS/RHS		Agricultural	Vakhatpur	Lunawada	Patel Lalabhai Pujabhai
230	8+200 L/R	LHS/RHS		Agricultural	Vakhatpur	Lunawada	Pagi Parshottambhai Mangalbhai
231	8+225 R/L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Kishorbhai Punjabhai
232	8+275 R/L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Bhikhabhai Rayjibhai
233	8+300 L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Kishorbhai Punjabhai
234	8+320 L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Rameshbhai Laladash
235	8+400 L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Govindbhai Hirabhai
236	8+450 L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Gordhanbhai Galabhai
237	8+450 R	RHS		Agricultural	Vakhatpur	Lunawada	Patel Divaben Parshottambhai
238	8+475 R	RHS		Agricultural	Vakhatpur	Lunawada	Patel Bakorbhai Sakhidasbhai
239	8+500 L	LHS		Agricultural	Vakhatpur	Lunawada	Patel Hirabhai Pujabhai
240	8+500 R	RHS		Agricultural	Vakhatpur	Lunawada	Patel Gokalbhai Mangaladash
241	8+510 R	RHS		Agricultural	Vakhatpur	Lunawada	Patel Jasubhai Hirabhai
242	8+700 L	LHS		Agricultural	Ucharapi	Lunawada	Not Found
243	8+700 R/L	RHS/ LHS		Agricultural	Ucharapi	Lunawada	Patel Kamleshbha Gokalbhai
244	8+720 R/L	RHS/ LHS		Agricultural	Ucharapi	Lunawada	Patel Bakorbhai Sakhidas
245	8+730 R/L	RHS/ LHS		Agricultural	Ucharapi	Lunawada	Patel Hirabhai Muljibhai
246	8+770 R/L	RHS/ LHS		Agricultural	Ucharapi	Lunawada	Patel Mangalbhai Mavjibhai
247	8+800 R/L	RHS/ LHS		Agricultural	Ucharapi	Lunawada	Valand Mangalbhai Koyabhai
248	8+950 R/L	RHS/LHS		Agricultural	Ucharapi	Lunawada	Wankar Kalabhai Kanabhai
249	9+000 R	RHS		Agricultural	Ucharapi	Lunawada	Patel Manubhai Hirabhai
250	9+050 R	RHS		Agricultural	Ucharapi	Lunawada	Harijan Parmabhai Danabhai
251	9+225 R/L	RHS/ LHS		Agricultural	Ucharapi	Lunawada	Wankar Hirabhai Mithabhai

Map Id Ref No.	chainage	rhs/lhs	Structure type	LAQ	village	block	Name of Head of HH
252	9+300 R	RHS		Agricultural	Ucharapi	Lunawada	Parmar Mahendrabhai Morarbhai
253	9+400 L	LHS		Agricultural	Ucharapi	Lunawada	Patel Lalabhai Nathabhai
254	9+500 L	LHS		Agricultural	Ucharapi	Lunawada	Wankar Nathabhai Hirabhai
255	9+525 L	LHS		Agricultural	Ucharapi	Lunawada	Harijan Ratnebbhai Dahyabhai
256	9+600 L	LHS		Agricultural	Ucharapi	Lunawada	Gajendrasinh Pravinsinh
257	9+725 L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Sukhabhai Nanabhai
258	9+800 L	LHS		Agricultural	Ucharapi	Lunawada	Bariya Pravinbhai Sararbhai
259	9+825 R	RHS		Agricultural	Ucharapi	Lunawada	Pagi Monghiben Gambhirbhai
260	9+900 R	RHS		Agricultural	Ucharapi	Lunawada	Pagi Gemabhai Motibhai
261	9+910 R	RHS		Agricultural	Ucharapi	Lunawada	Pagi Koyabhai Kanakabhai
262	9+920 L	LHS		Agricultural	Ucharapi	Lunawada	Shantaben Bhemabhai
263	9+940 L	LHS		Agricultural	Ucharapi	Lunawada	Pagi Kalubhai Galabhai
264	9+950 R	RHS		Agricultural	Ucharapi	Lunawada	Pagi Dhudabhai Nathabhai
265	9+975 R	RHS		Agricultural	Ucharapi	Lunawada	Pagi Bhavanbhai Hathibhai
266	9+980 L	LHS		Agricultural	Ucharapi	Lunawada	Kankuben Jivabhai
267	10+000 L	LHS		Agricultural	Ucharapi	Lunawada	Pagi Somabhai Venchatbhai
268	10+000 L	LHS		Agricultural	Ucharapi	Lunawada	Pagi Sukhabhai Amrabhai
269	10+020 L	LHS		Agricultural	Ucharapi	Lunawada	Kankuben Jivabhai
270	10+050 L	LHS		Agricultural	Ucharapi	Lunawada	Pagi Galabhai Vechatbhai
271	10+060 L/R	LHS/RHS		Agricultural	Ucharapi	Lunawada	Pagi Somabhai Hirabhai
272	10+100 L	LHS		Agricultural	Ucharapi	Lunawada	Pagi Hirabhai Somabhai
273	10+200 R/L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Babarbhai Kanabhai
274	10+300 L/R	LHS/RHS		Agricultural	Ucharapi	Lunawada	Pateliya Galabhai Rupabhai
275	10+400 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Khatubhai Puanabhai
276	10+400 L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Naresbhai Mohanbhai
277	10+500 L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Ramabhai Pujabhai
278	10+530 L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Titabhai Merabhai
279	10+550 L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Somabhai Kodarbhai
280	10+540 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Takhubhai Jerabhai
281	10+550 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Rameshbhai Mohanbhai
282	10+600 L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Sakhmabhai Shamabhai
283	10+600 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Kantibhai Kodarbhai
284	10+610 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Rayjibhai Somabhai
285	10+620 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Rumabhai Navabhai
286	10+625 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Malabhai Dhudabhai
287	10+625 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Vadhabhai Sufarabhai
288	10+630 L	LHS		Agricultural	Ucharapi	Lunawada	Pateliya Laxmanbhai Dhudabhai
289	10+635 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Vechatbhai Kesarabhai
290	10+635	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Somabhai Laxmanbhai
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292	10+645 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Malabhai Dhudabhai
293	10+950 R	RHS		Agricultural	Ucharapi	Lunawada	Pateliya Thobhanbhai Nathabhai
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295	11+000 L	LHS		Agricultural	Undra	Lunawada	Pagi Bhathibhai Malabhai
296	11+100 R	LHS		Agricultural	Undra	Lunawada	Pagi Amrabhai Ujmabhai
297	11+130 R	RHS		Agricultural	Undra	Lunawada	Pagi Galabhai Ramabhai
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299	11+140 L	LHS		Agricultural	Undra	Lunawada	Pagi Kalubhai Ranchhodhbhai
300	11+175 R	RHS		Agricultural	Undra	Lunawada	Pagi Kodarbhai Babarbhai
301	11+180 R	RHS		Agricultural	Undra	Lunawada	Pagi Masurbhai Harabhai
302	11+190 R	RHS		Agricultural	Undra	Lunawada	Pagi Ladubhai Pujabhai
303	11+240 L	LHS		Agricultural	Undra	Lunawada	Pagi Bhayjibhai Navabhai
304	11+275 L	LHS		Agricultural	Undra	Lunawada	Pagi Pujabhai Ratnabhai
305	11+325 L	LHS		Agricultural	Undra	Lunawada	Pagi Galabhai Ramabhai
306	11+475 R/L	RHS/LHS		Agricultural	Undra	Lunawada	Pagi Mathurbhai Bhajibhai
307	11+500 L/R	RHS		Agricultural	Undra	Lunawada	Patel Babarbhai Narsinhbhai
308	11+600 R	RHS		Agricultural	Undra	Lunawada	Pagi Galabhai Valabhai
309	11+650 L	LHS		Agricultural	Undra	Lunawada	Patel Ambalal Nathabhai
310	11+680 R	RHS		Agricultural	Undra	Lunawada	Pagi Kalubhai Girabhai
311	11+720 L	LHS		Agricultural	Undra	Lunawada	Patel Babarbhai Manalbhai
312	11+730 R	RHS		Agricultural	Undra	Lunawada	Patel Dhulabhai Galabhai
313	11+750 L	LHS		Agricultural	Undra	Lunawada	Puvar Bhavansinh Salamsinh
314	12+000 L	LHS		Agricultural	Undra	Lunawada	Barod Kalusinh
315	12+075 R	RHS		Agricultural	Undra	Lunawada	Patel Ranchhodhbhai Galabhai

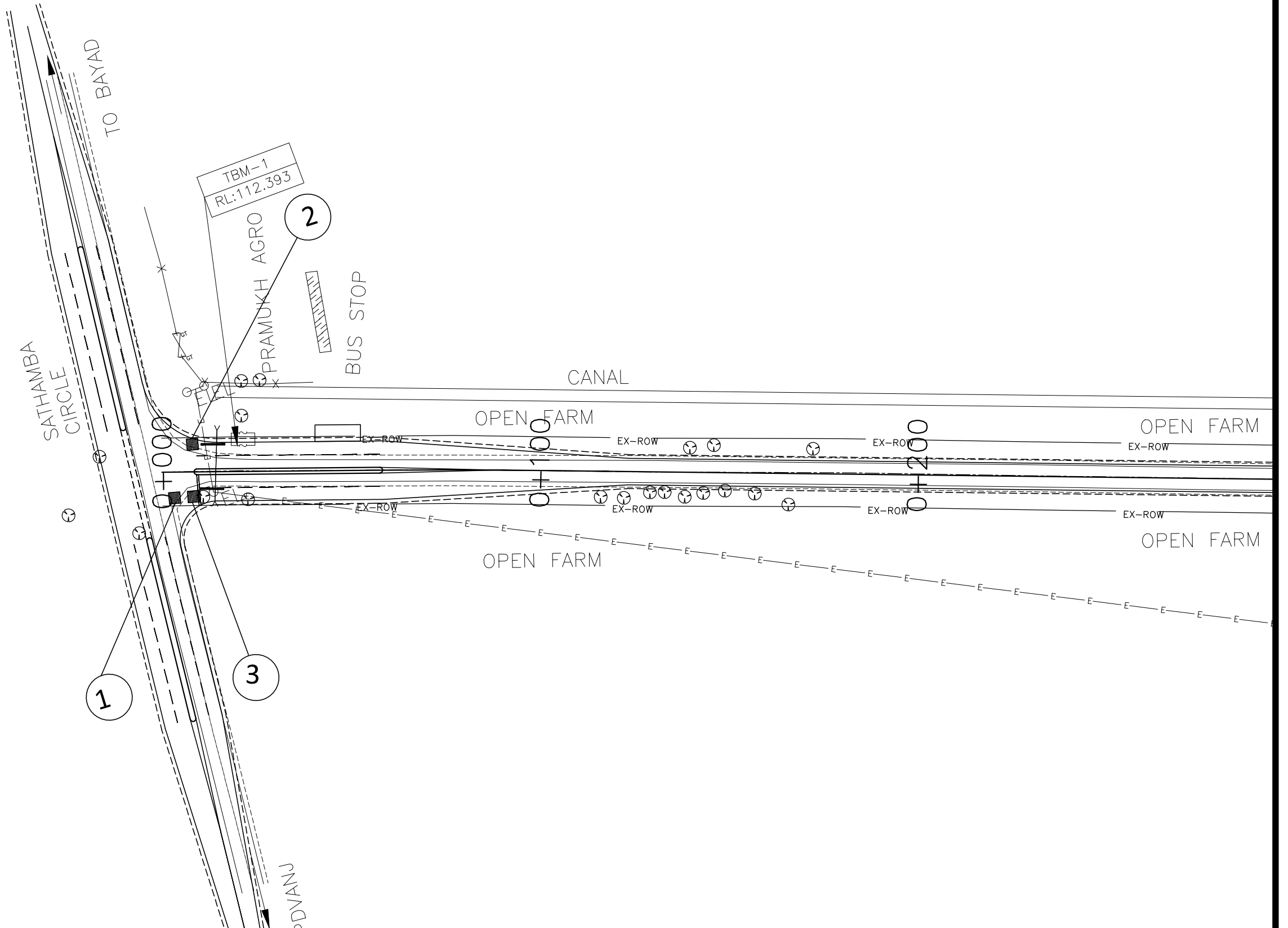
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317	12+120 R	RHS		Agricultural	Undra	Lunawada	Puvar Mohanbhai Dalpatbhai
318	12+150 R	RHS		Agricultural	Undra	Lunawada	Patel Lalabhai Bapujibhai
319	12+200 R	RHS		Agricultural	Undra	Lunawada	Waland Ambalal Somabhai
320	12+250 R	RHS		Agricultural	Undra	Lunawada	Patel Parbhudas Lakhubhai
321	12+300 R	RHS		Agricultural	Undra	Lunawada	Not Found
322	12+322 R/L	LHS		Agricultural	Undra	Lunawada	Not Found
<b>Garasiyawada-Lunawada</b>							
323	8+300 L/R	LHS/RHS		Agricultural	Hadod	Lunawada	Wankar Vechatbhai Kacharabhai
325	8+100 L	LHS		Agricultural	Hadod	Lunawada	Wankar Kadvabhai Rupabhai
324	8+150 L	LHS		Agricultural	Hadod	Lunawada	Pagi Parvatbhai Salambhai
326	8+000 R/L	LHS		Agricultural	Hadod	Lunawada	Patel Dalabhai Shankarbhai
327	7+975 R	RHS		Agricultural	Hadod	Lunawada	Machhi Dhulabhai Shankarbhai
328	7+970 R	RHS		Agricultural	Hadod	Lunawada	Machhi Pujabha Dalabhai
329	7+900 R	RHS		Agricultural	Hadod	Lunawada	Patel Nathabhai Kodarbhai
330	7+800 L/R	RHS		Agricultural	Hadod	Lunawada	Patel Maniben Nanabhai
331	7+800 L	LHS		Agricultural	Hadod	Lunawada	Patel Ramabhai Virabhai
332	7+750 L	LHS		Agricultural	Hadod	Lunawada	Patel Devabhai Nathabhai
333	7+700 R	RHS		Agricultural	Hadod	Lunawada	Wankar Vechatbhai Dhanabhai
334	7+635 L	LHS		Agricultural	Hadod	Lunawada	Wankar Devabhai Dhanabhai
335	7+600 R	RHS		Agricultural	Hadod	Lunawada	Not Found
336	7+600 R	RHS		Agricultural	Hadod	Lunawada	Machhi Pujabhai Khushalabhai
337	7+525 R/L	RHS/LHS		Agricultural	Hadod	Lunawada	Machhi Somabhai Kalubhai
338	7+400 L	LHS		Agricultural	Hadod	Lunawada	Machhi Ranchhodbhai Ramabhai
339	6+925 L	LHS		Agricultural	Khantna Bhesawada	Lunawada	Pundy Paresbhai Ambalal
340	6+000 R	RHS		Agricultural	Khantna Bhesawada	Lunawada	Khant Ratnabhai Chufarabhai
341	5+850 R	RHS		Agricultural	Khantna Bhesawada	Lunawada	Khant Laxmanbhai Devabhai
342	5+800 R	RHS		Agricultural	Khantna Bhesawada	Lunawada	Khant Kalubhai Somabhai
343	3+710 L	LHS	Shop	Commercial	Pavapur	Lunawada	Not Found
344	3+995 L	LHS	Shop	Commercial	Pavapur	Lunawada	Solnki Mohansing
345	3+000 L	LHS		Agricultural	Maliya	Lunawada	Patel Manilal Khatubhai
346	2+970		Mixed	Mixed	Maliya	Lunawada	Patel Dilipbhai Jethabhai
347	2+925 L	LHS		Agricultural	Maliya	Lunawada	Patel Manilal Laljibhai
348	2+800 L	LHS		Agricultural	Maliya	Lunawada	Patel Manilal Motibhai
349	2+730 L	LHS		Agricultural	Maliya	Lunawada	Patel Shantilal Sankalbhai
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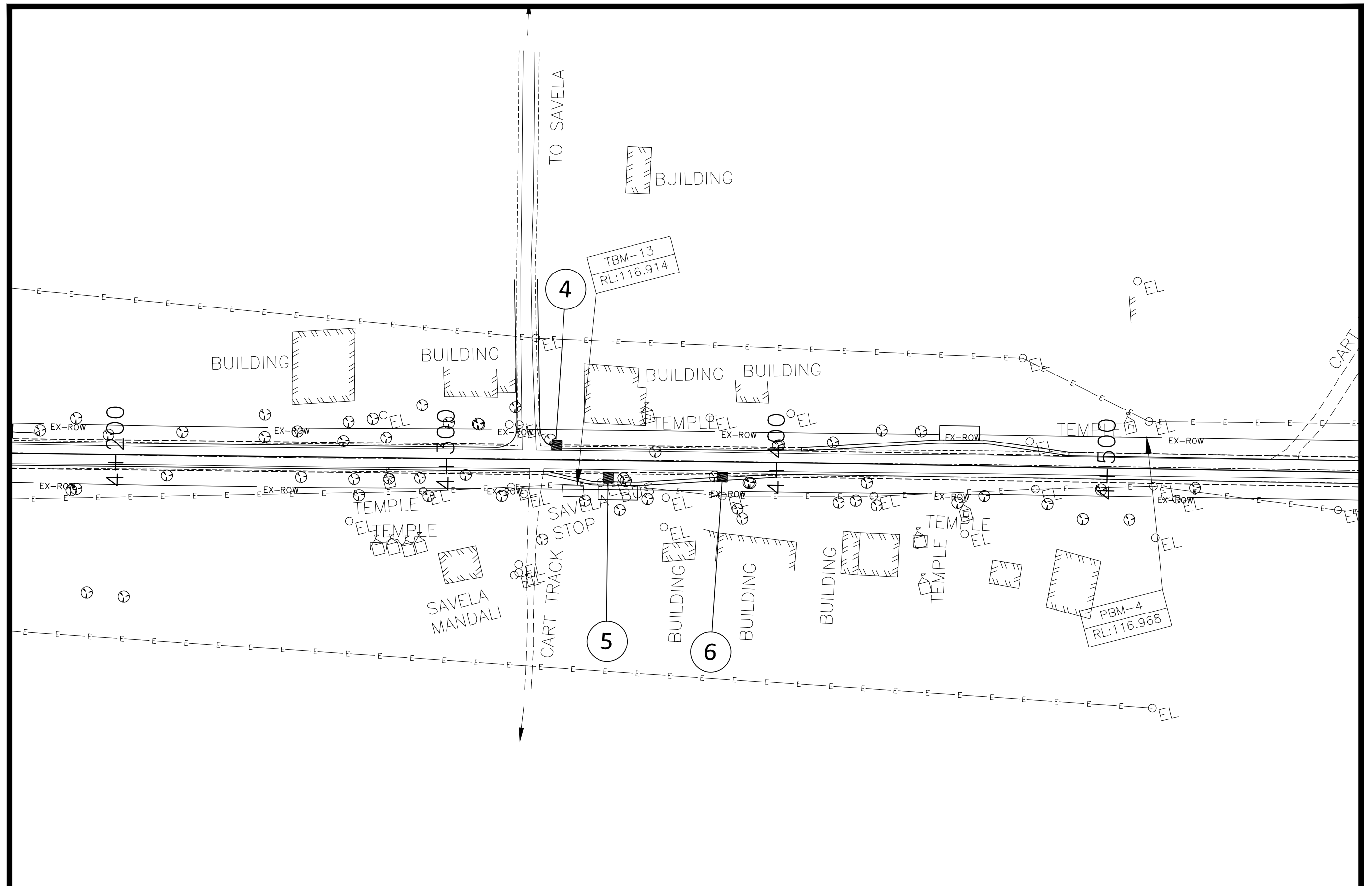
## **APPENDIX 4.3:**

### MAP REPRESENTING IMPACTED PROPERTIES

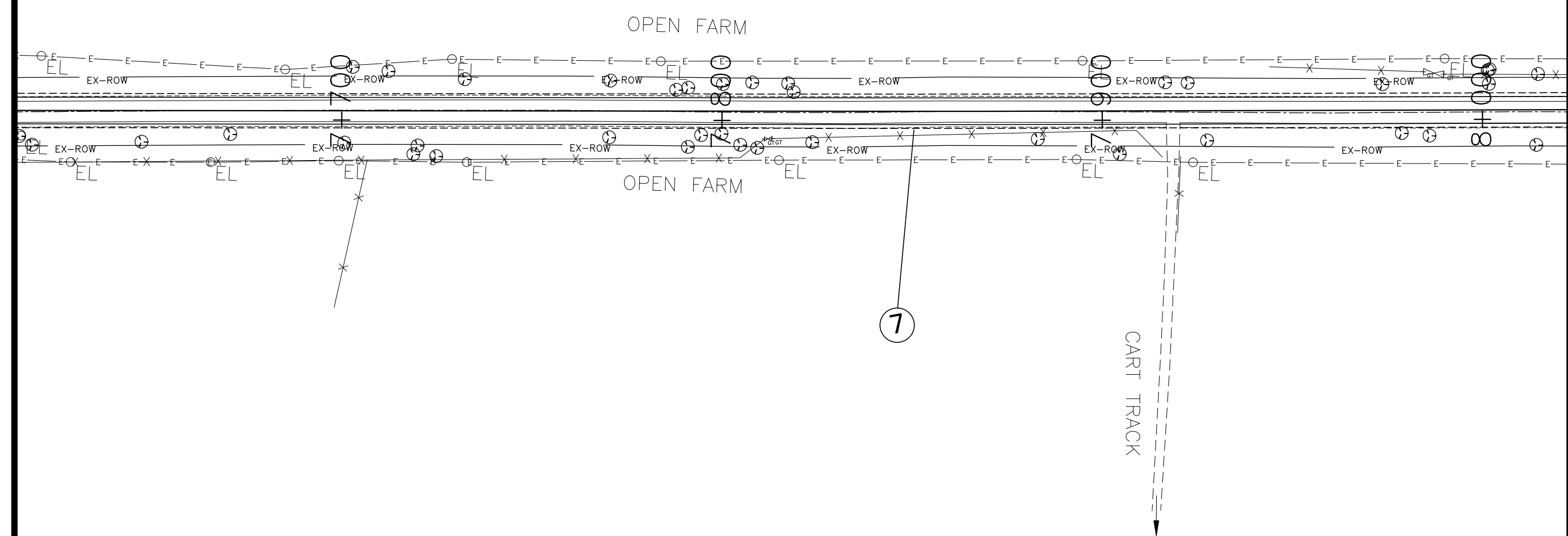
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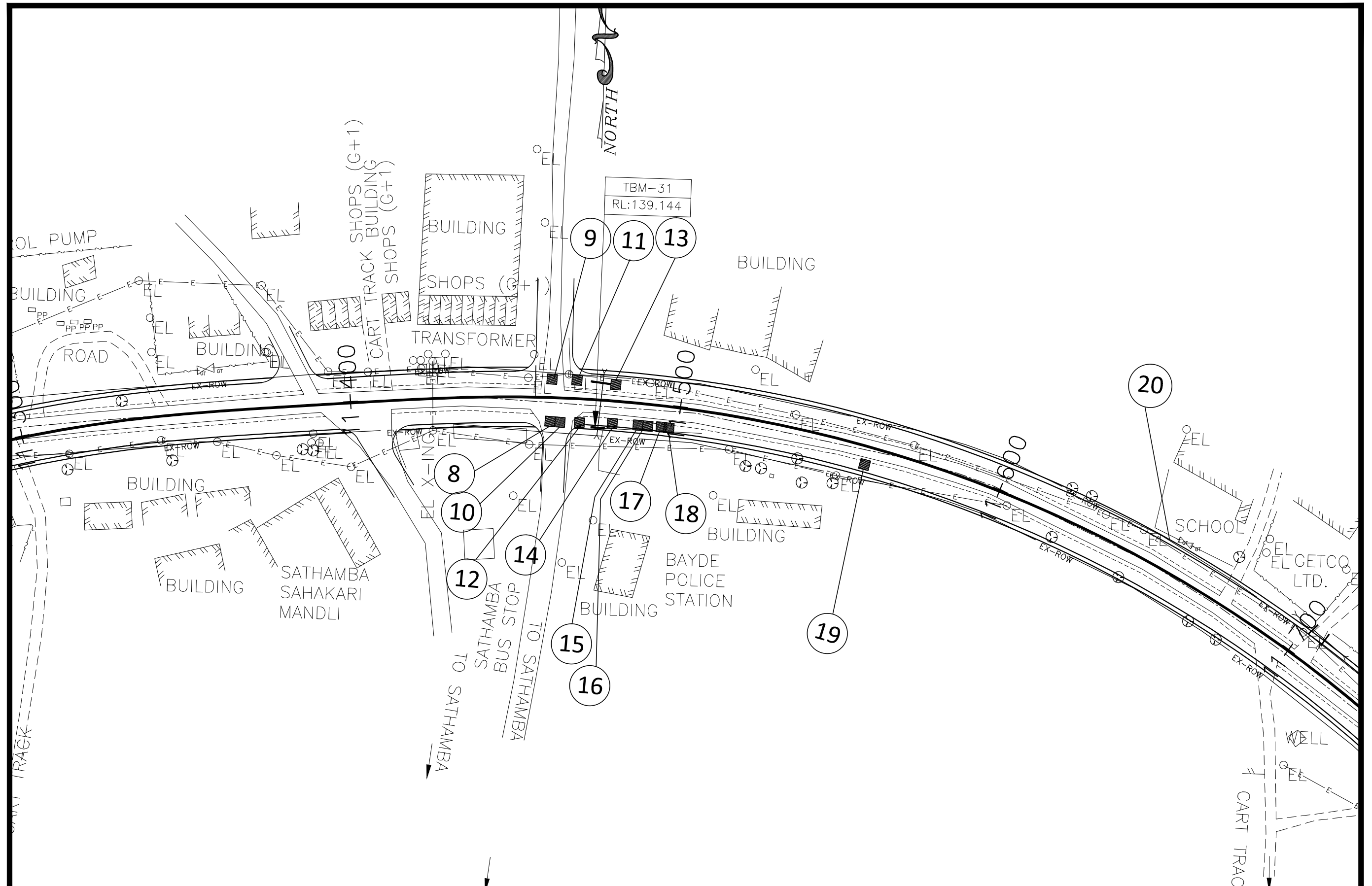
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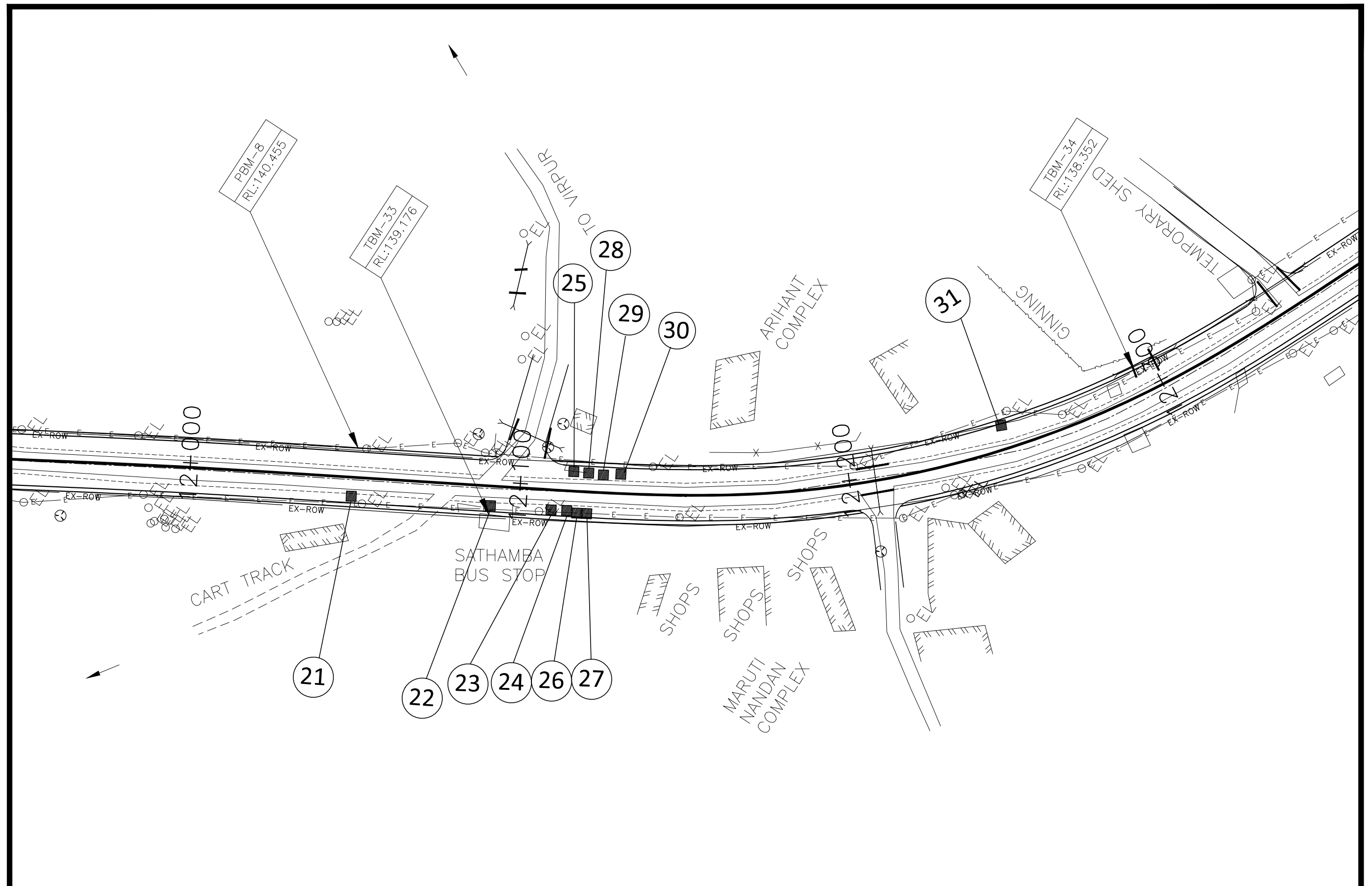
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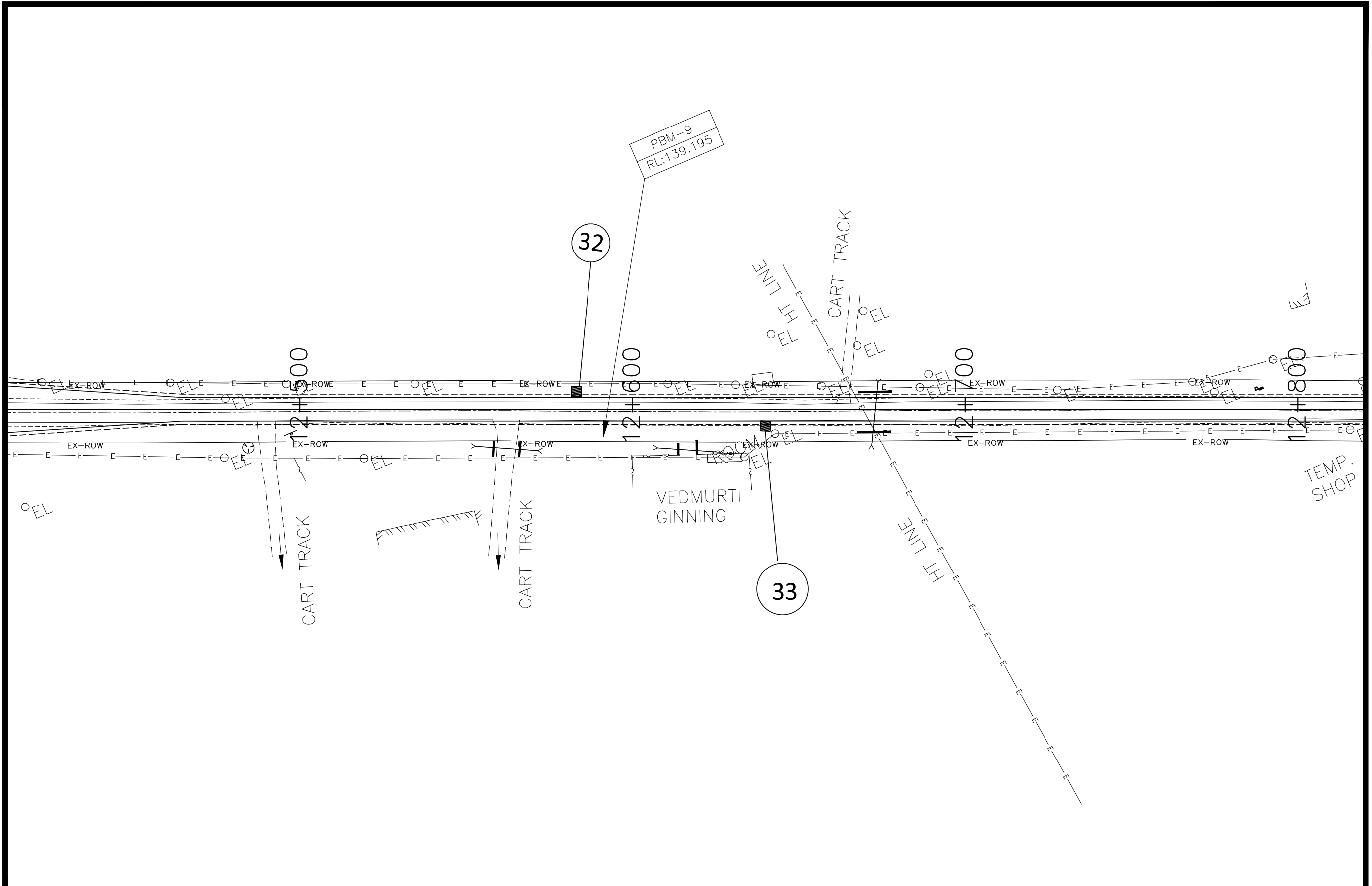
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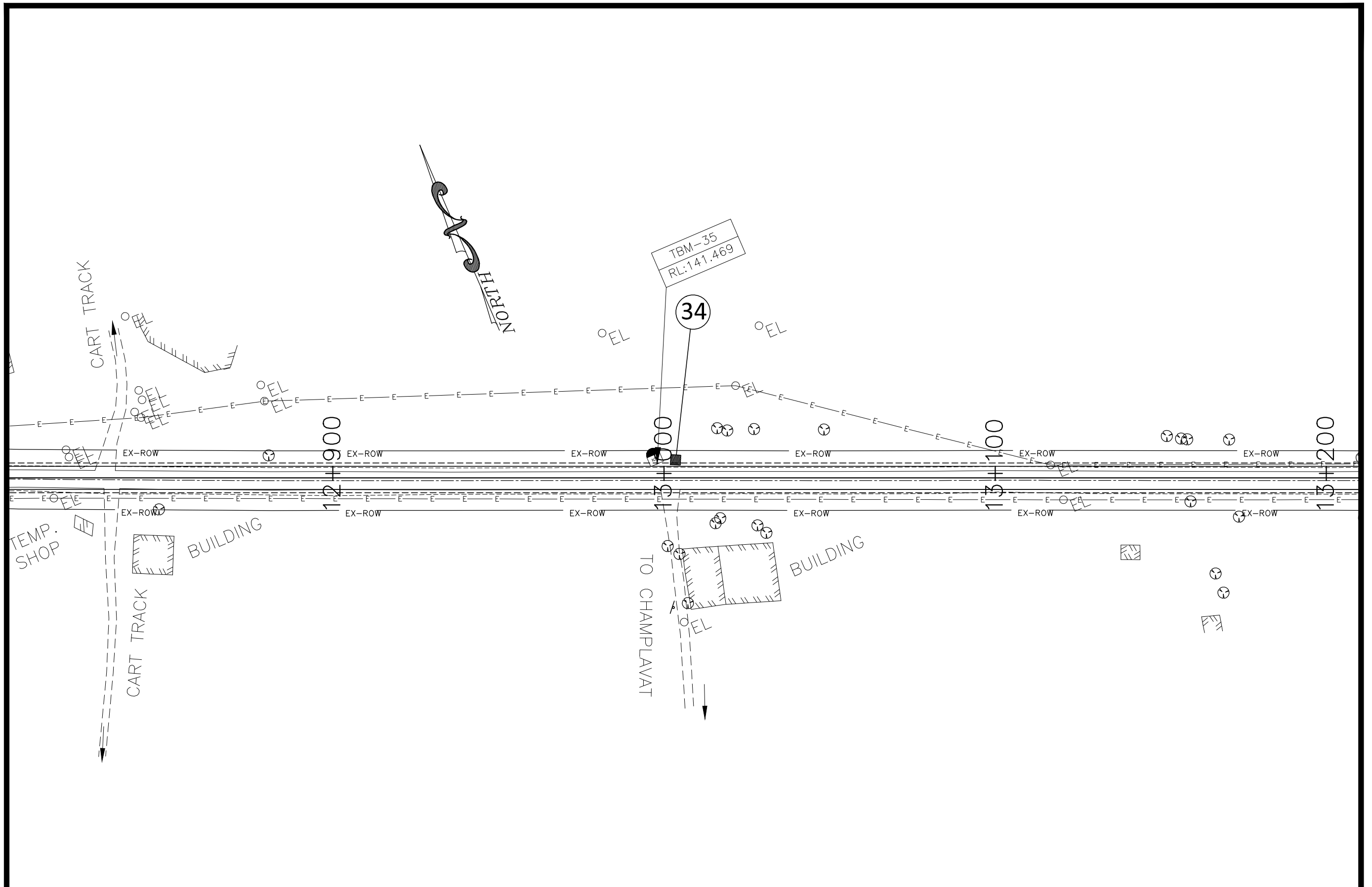
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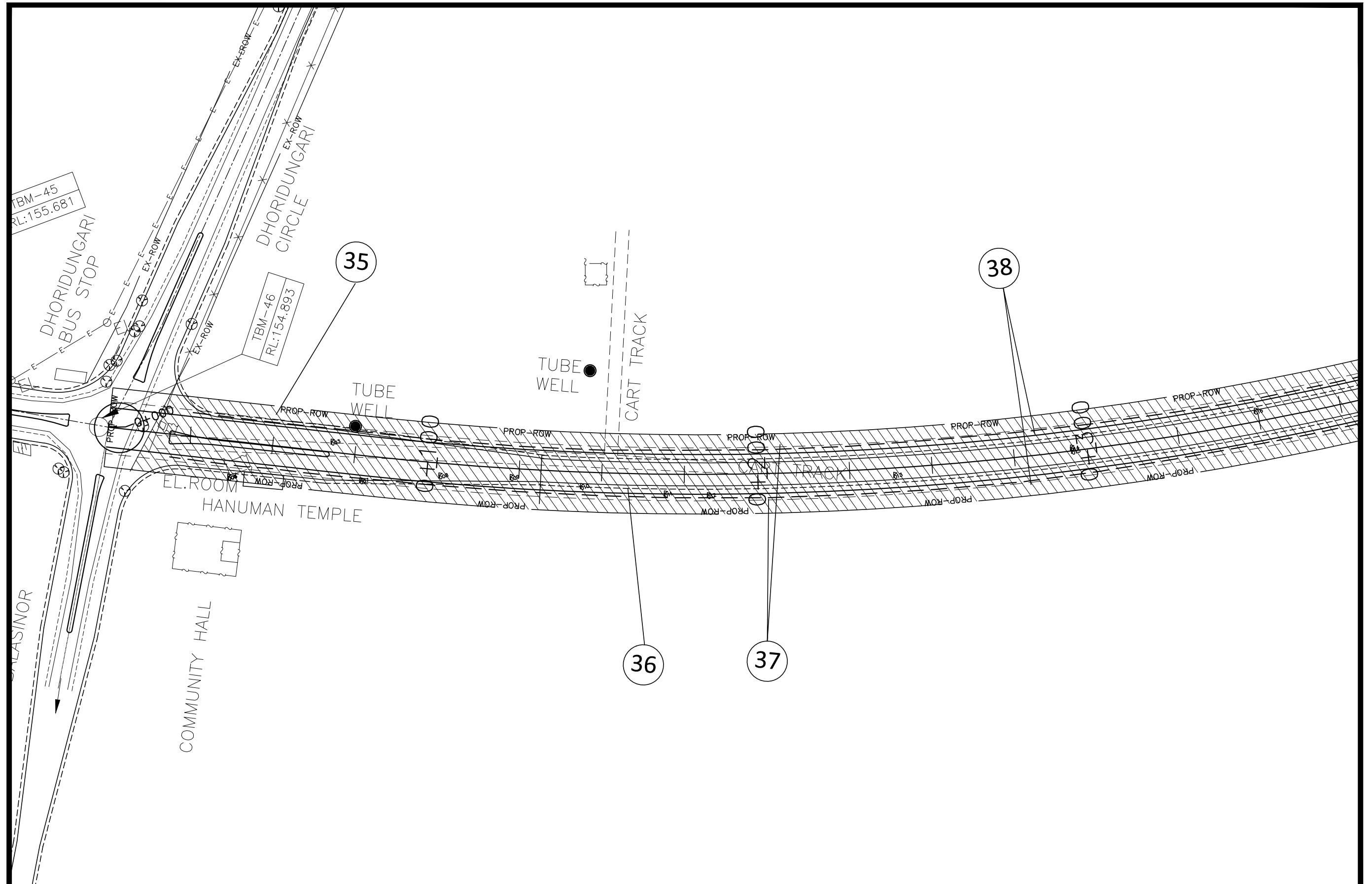


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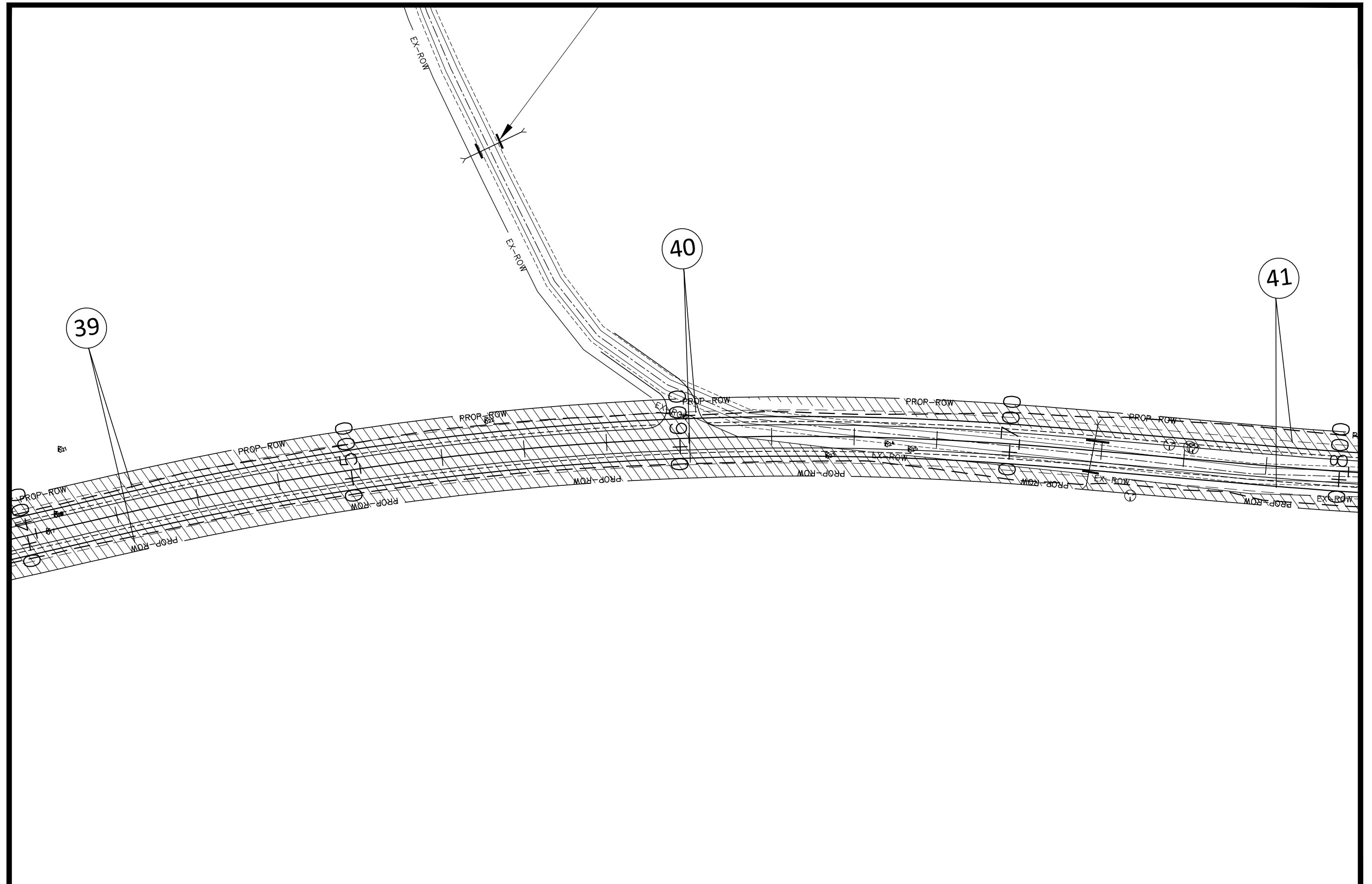


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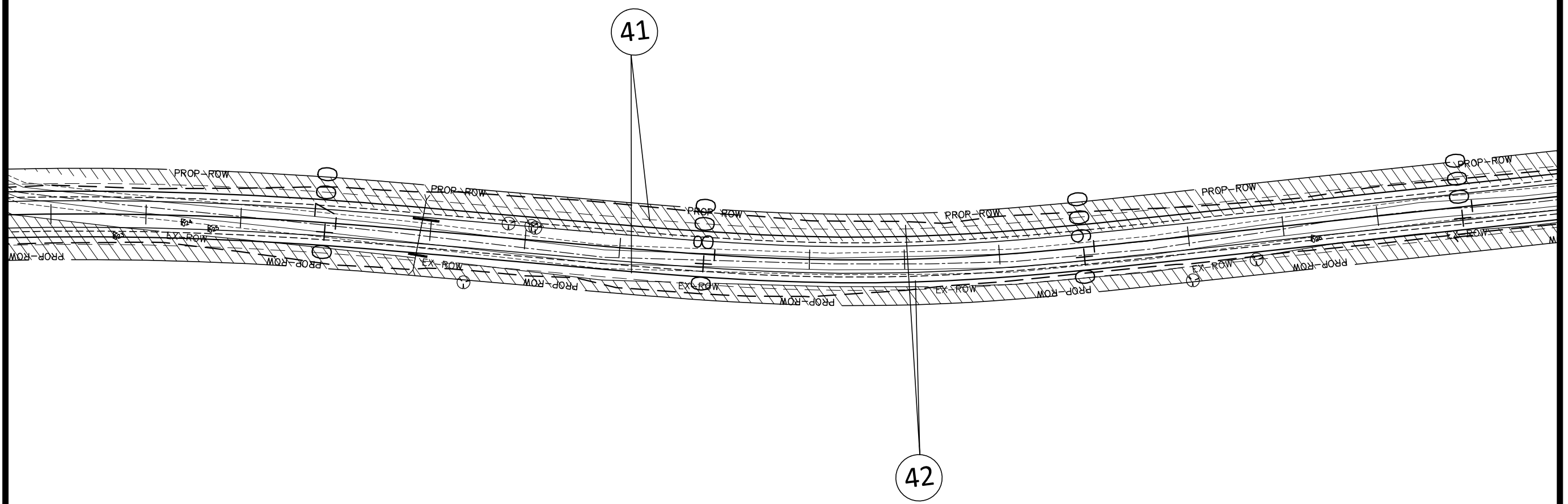
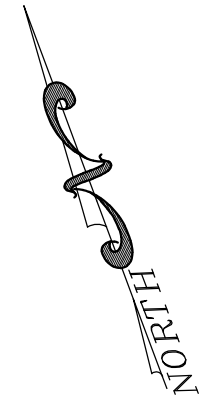




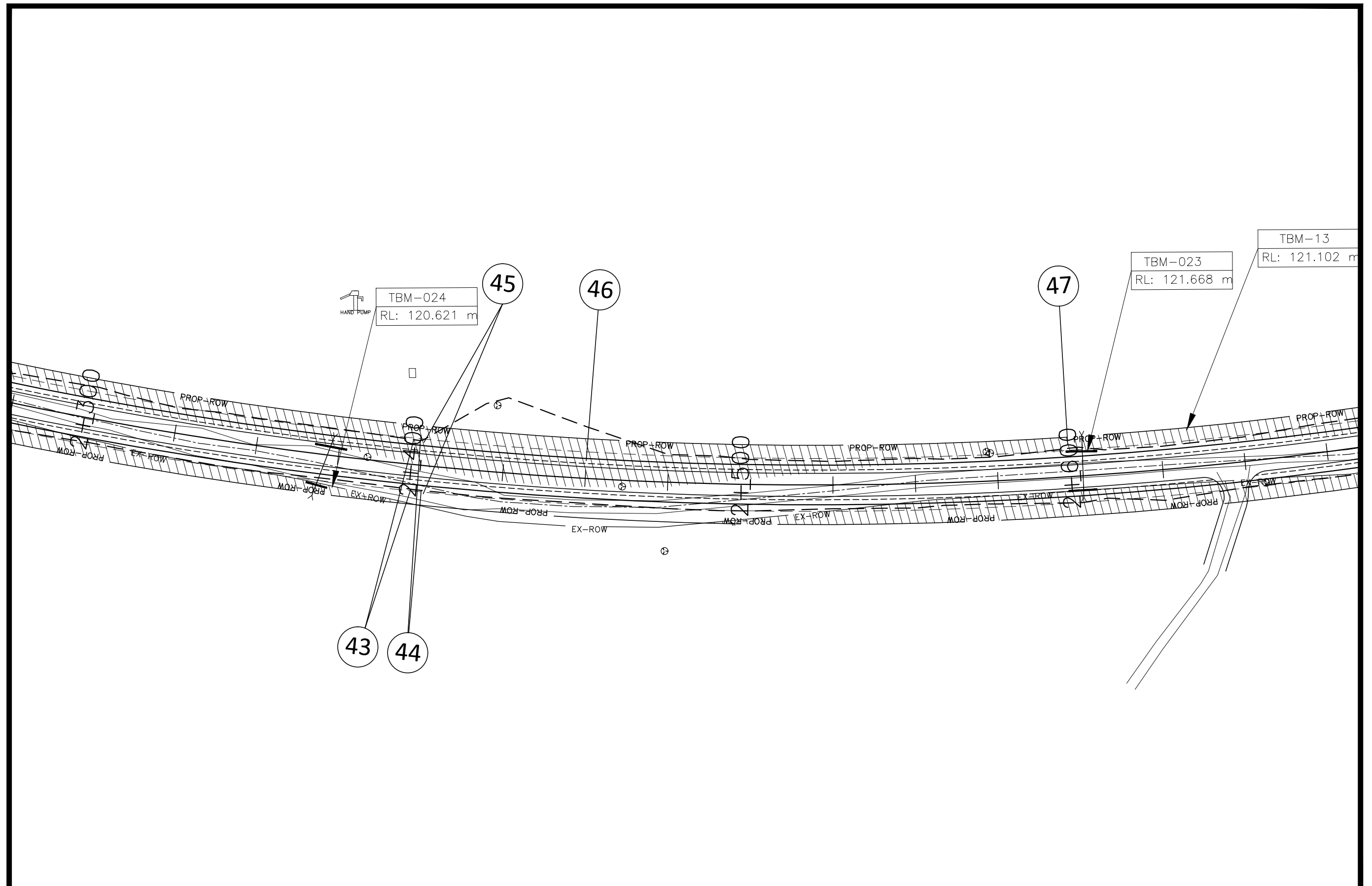
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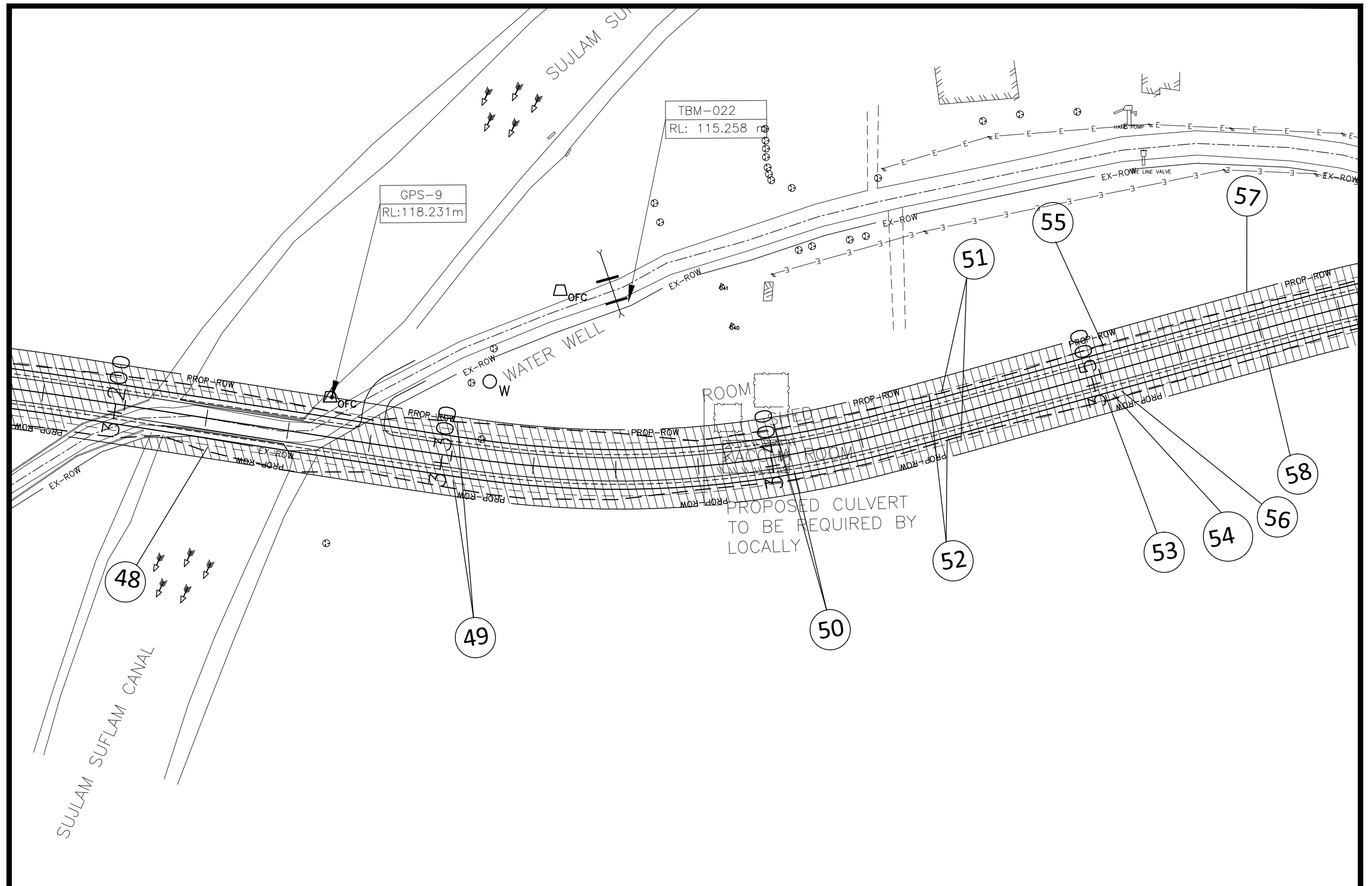
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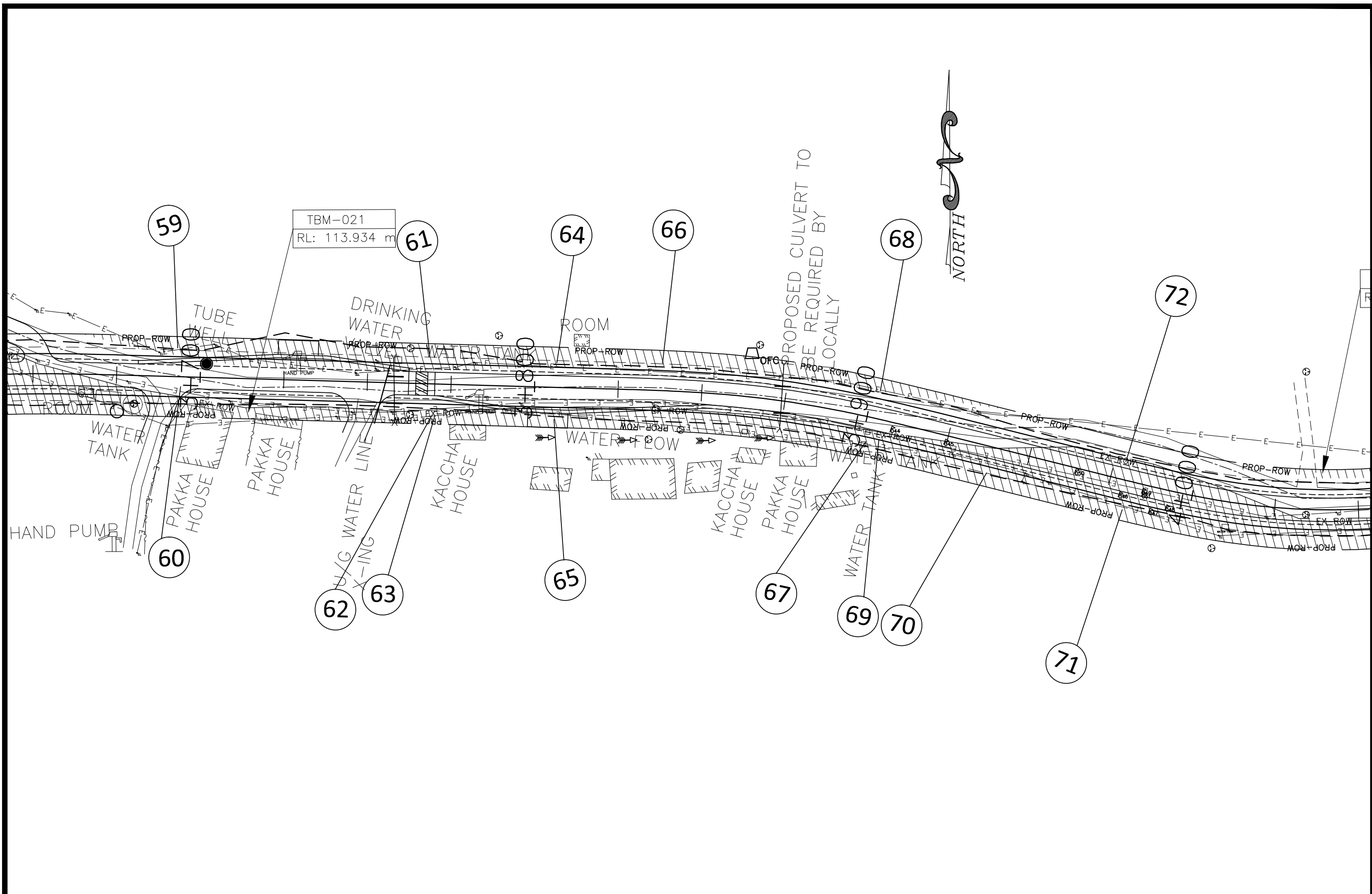
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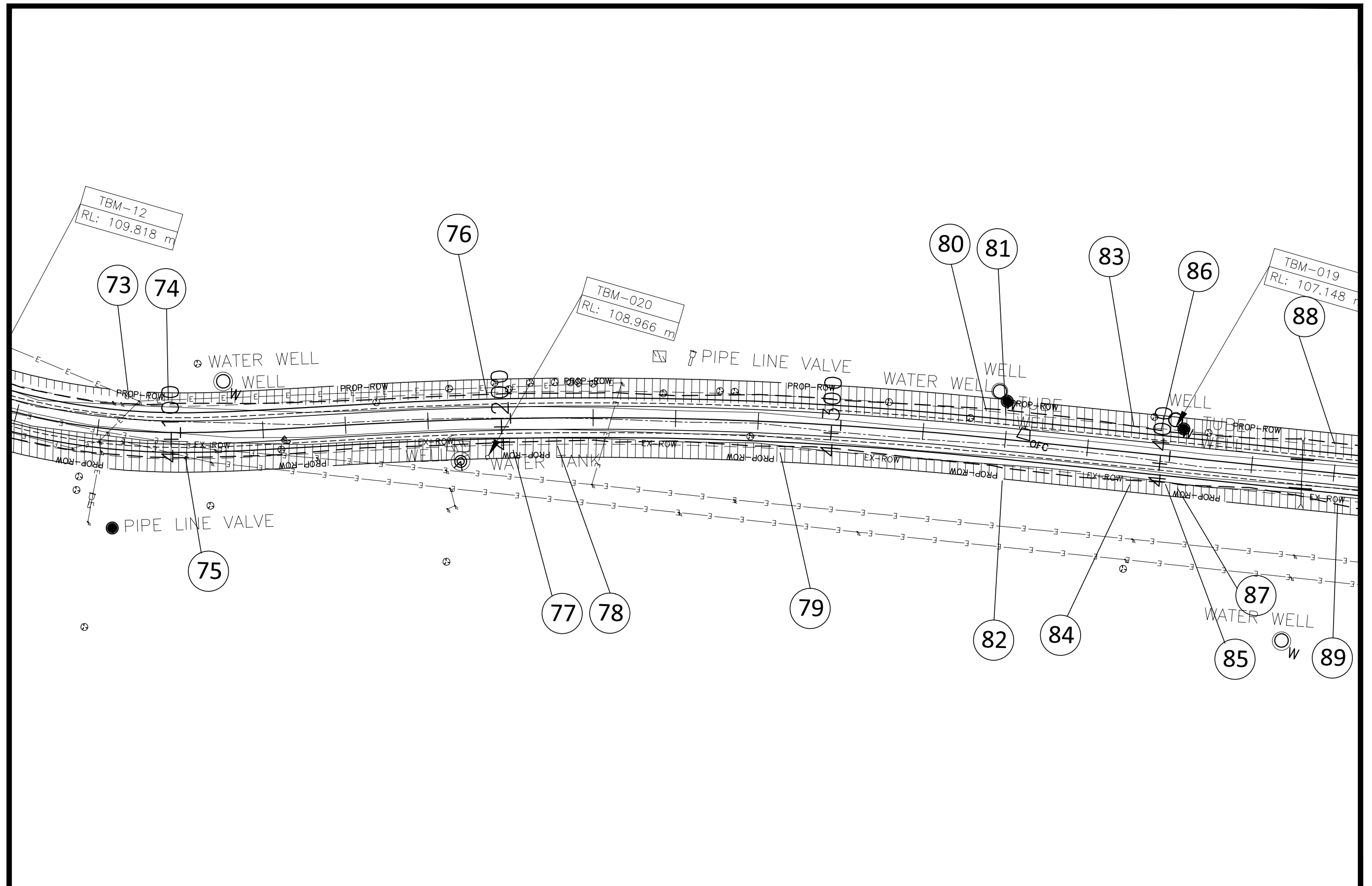
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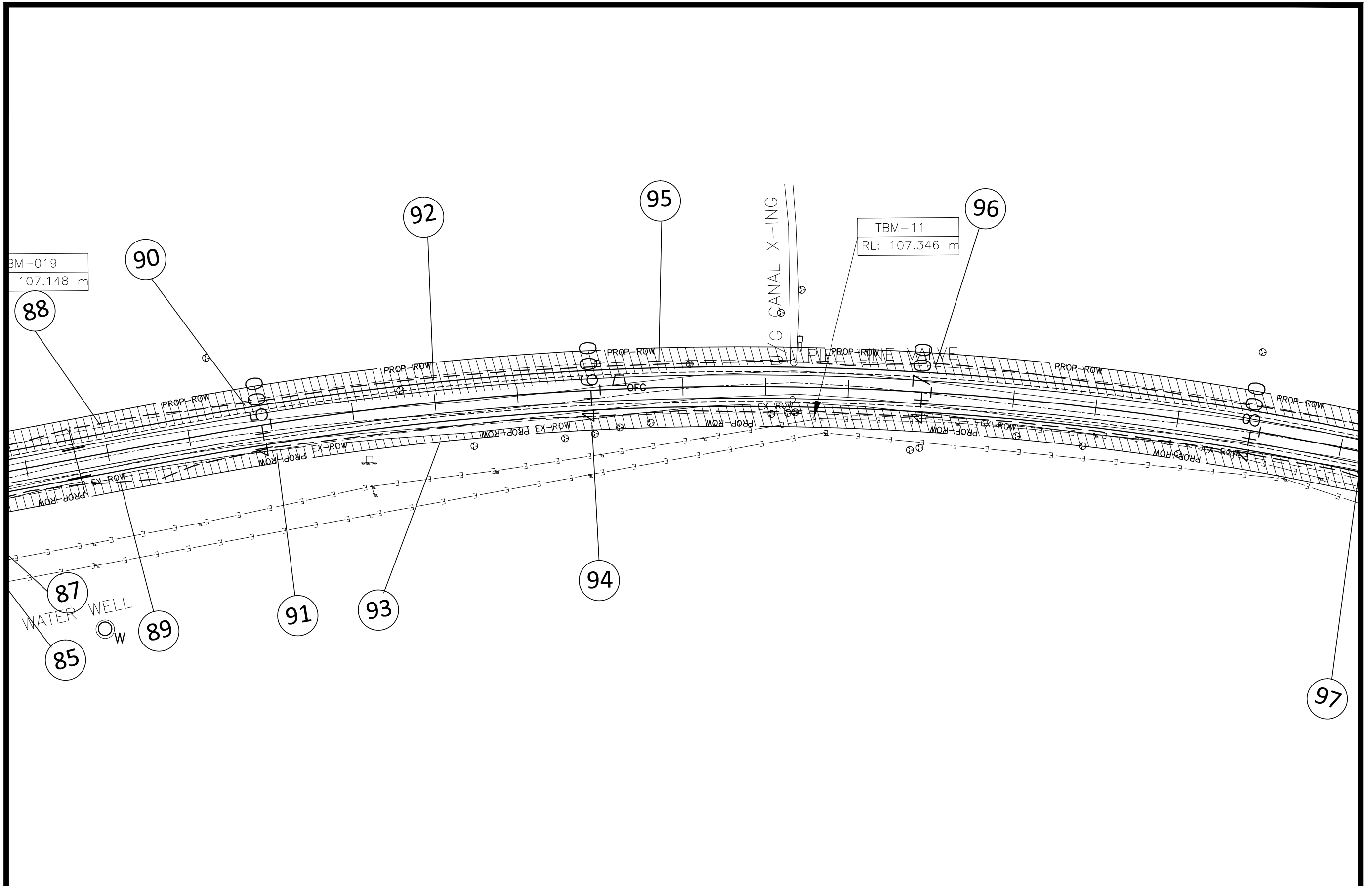
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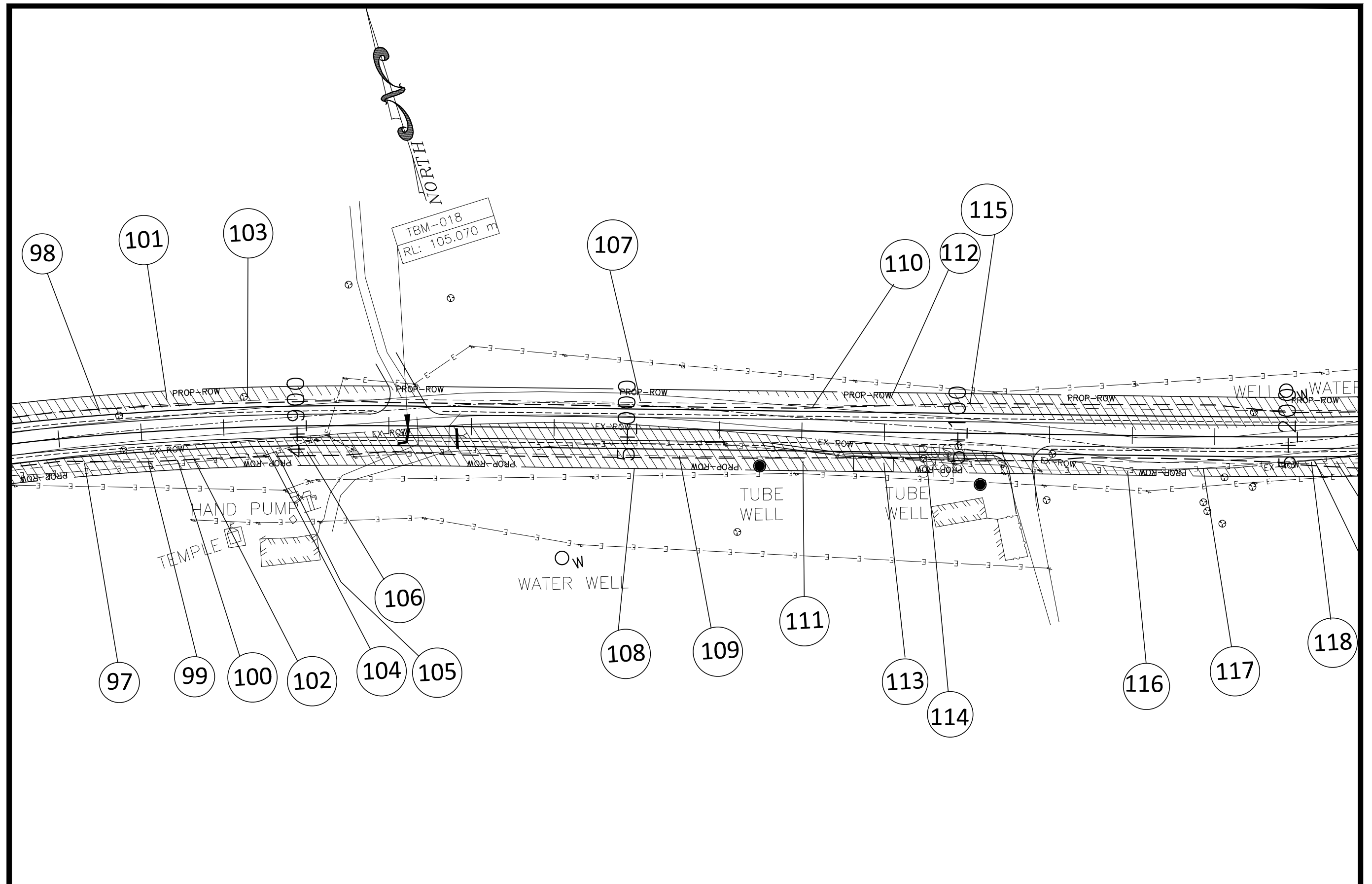


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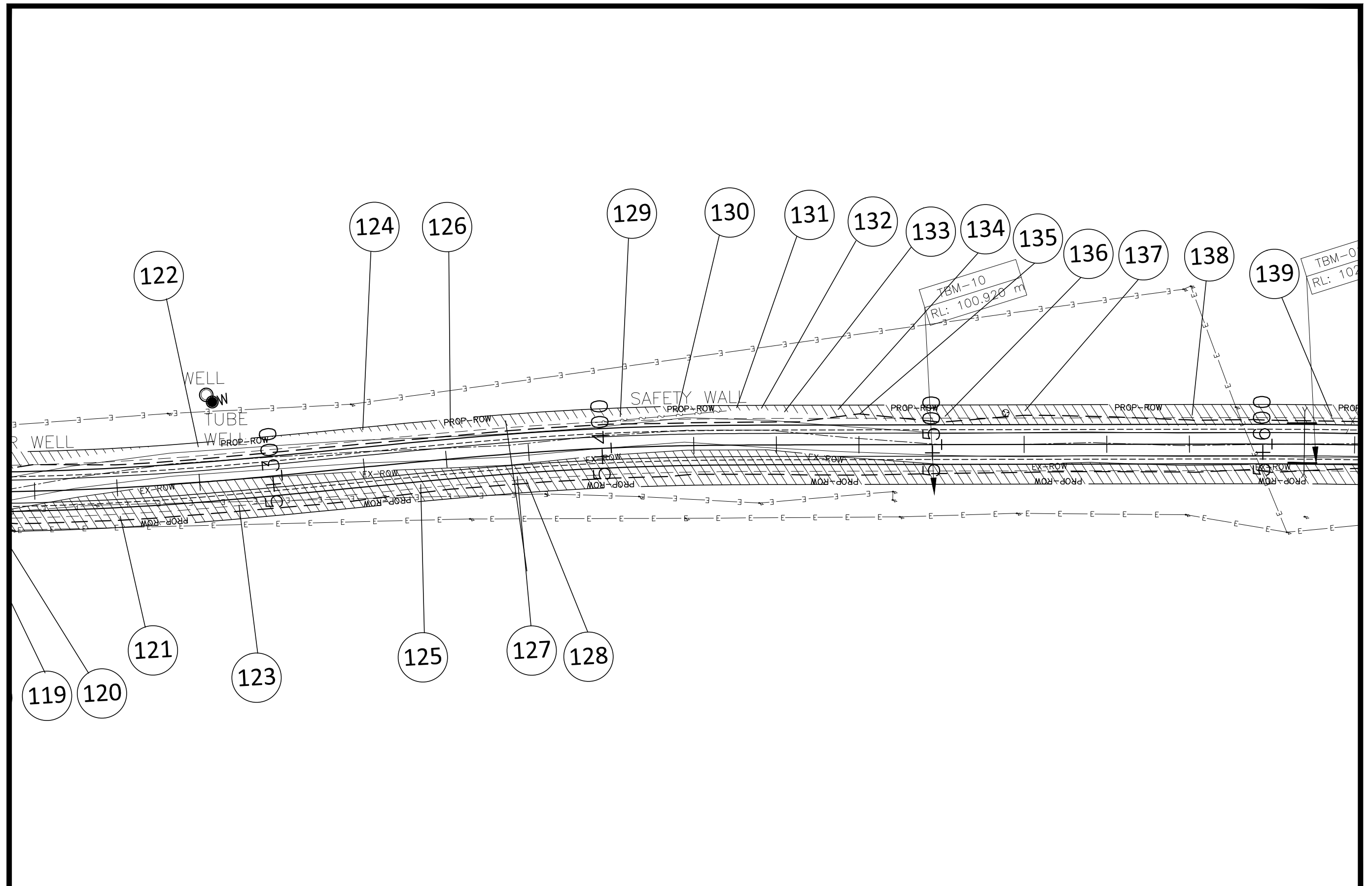


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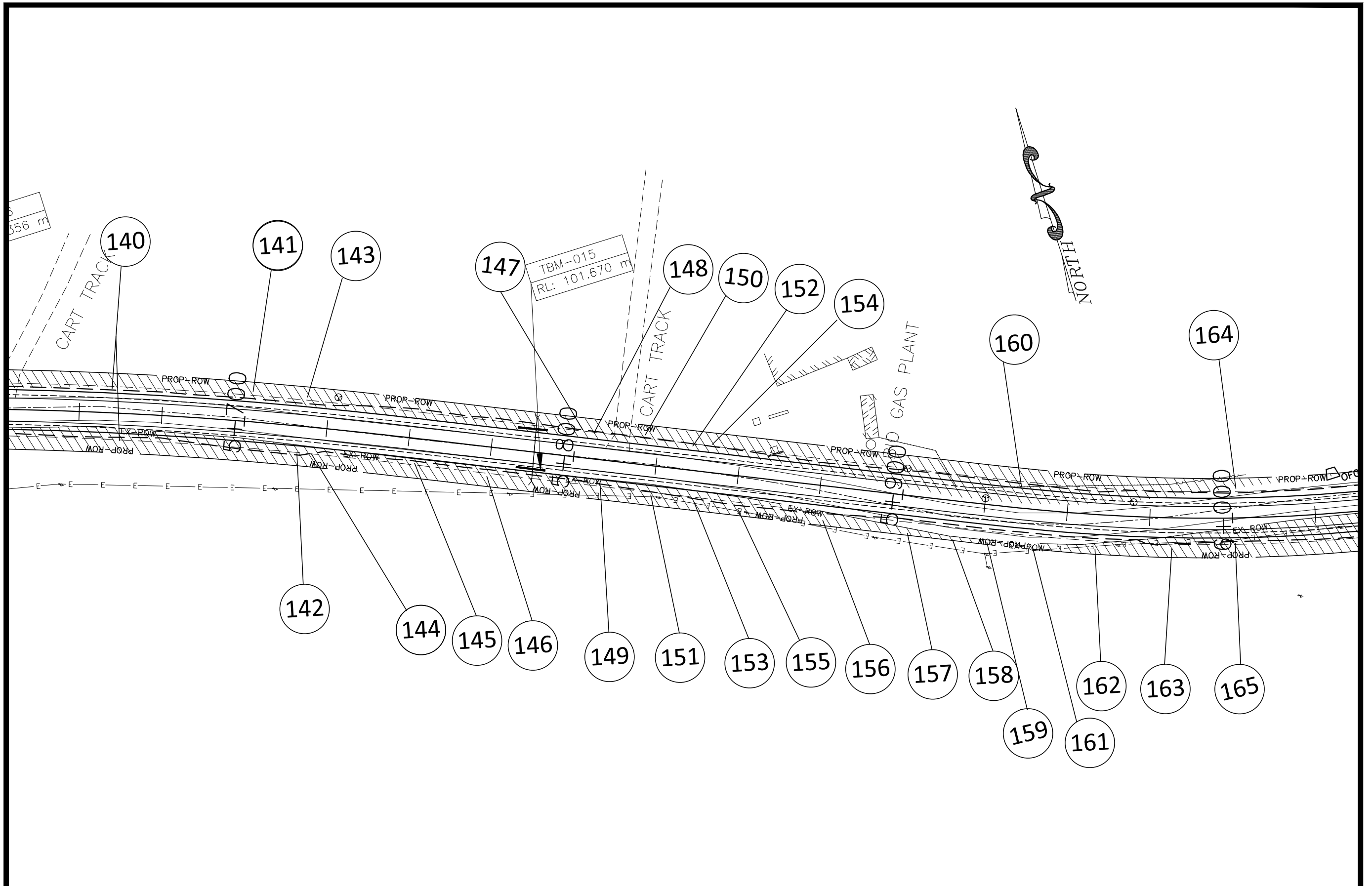




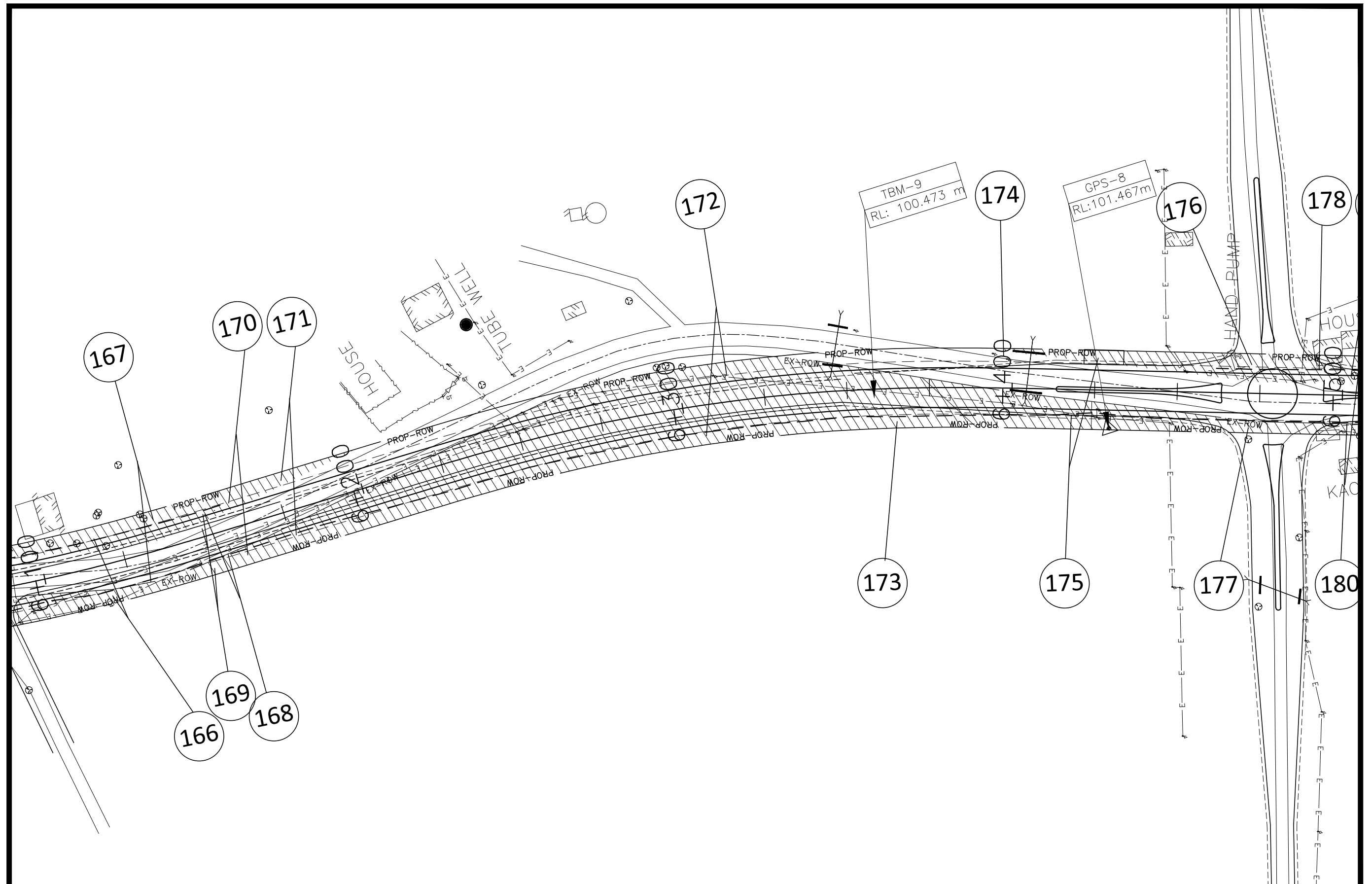
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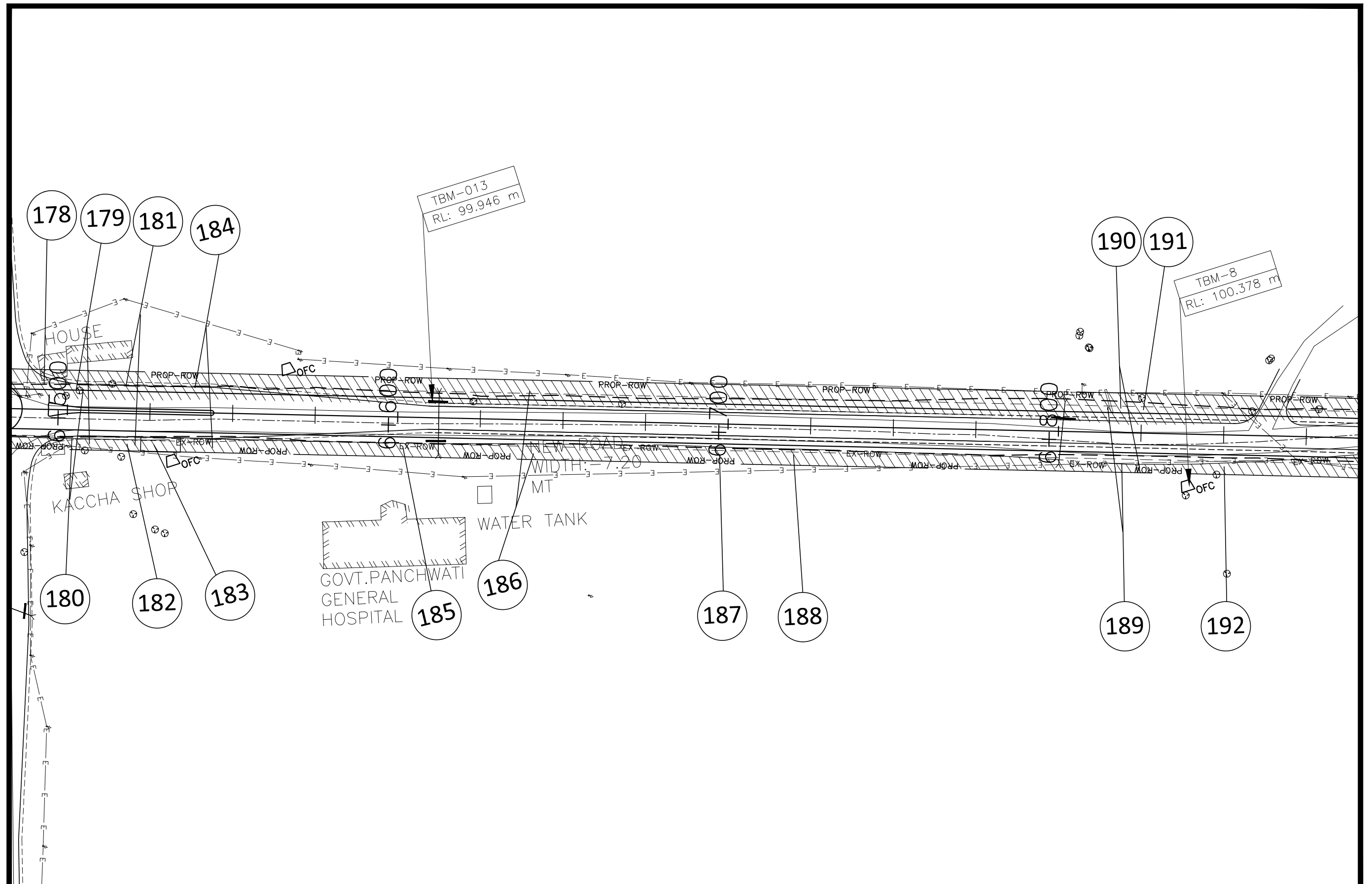
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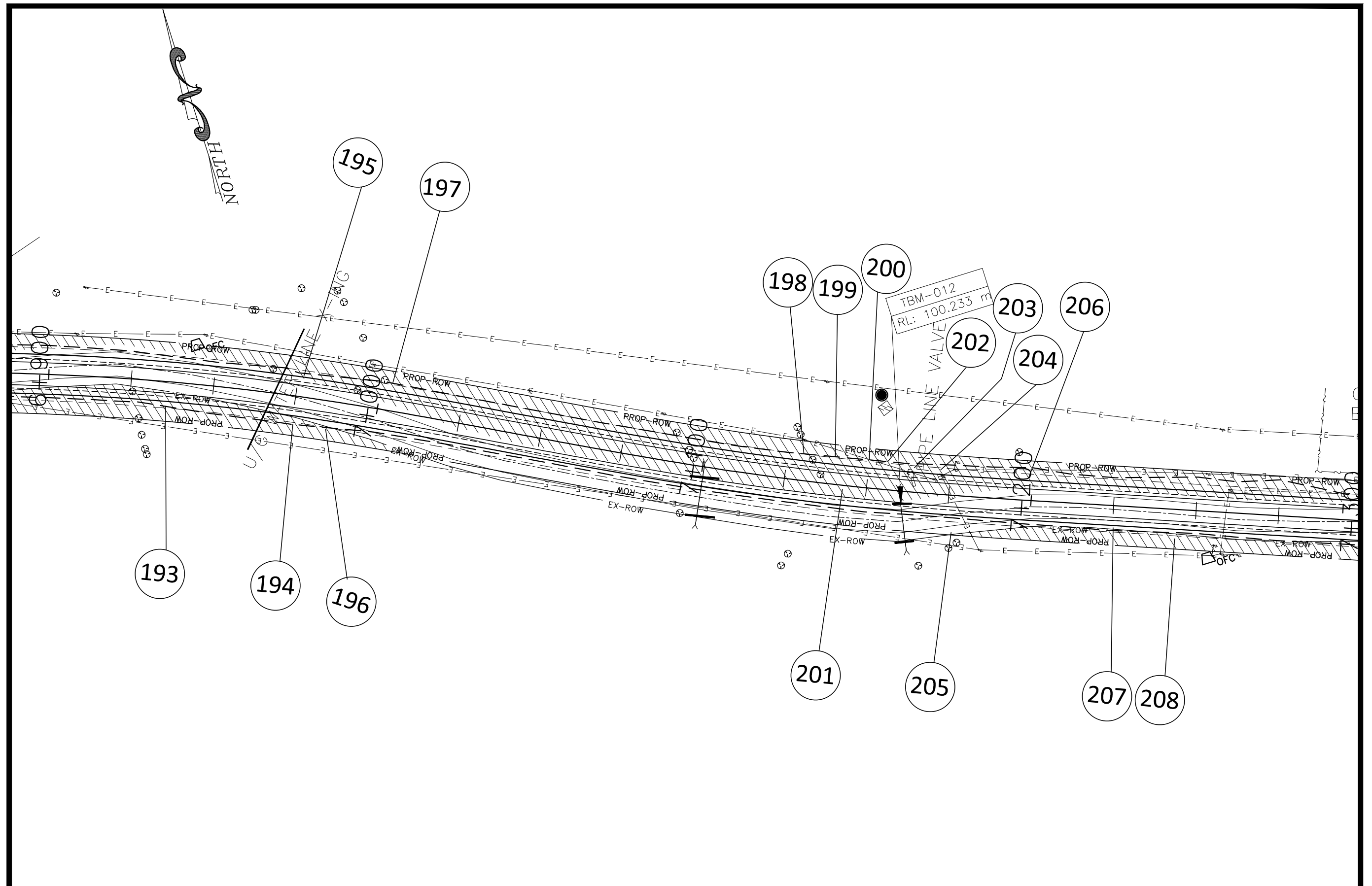
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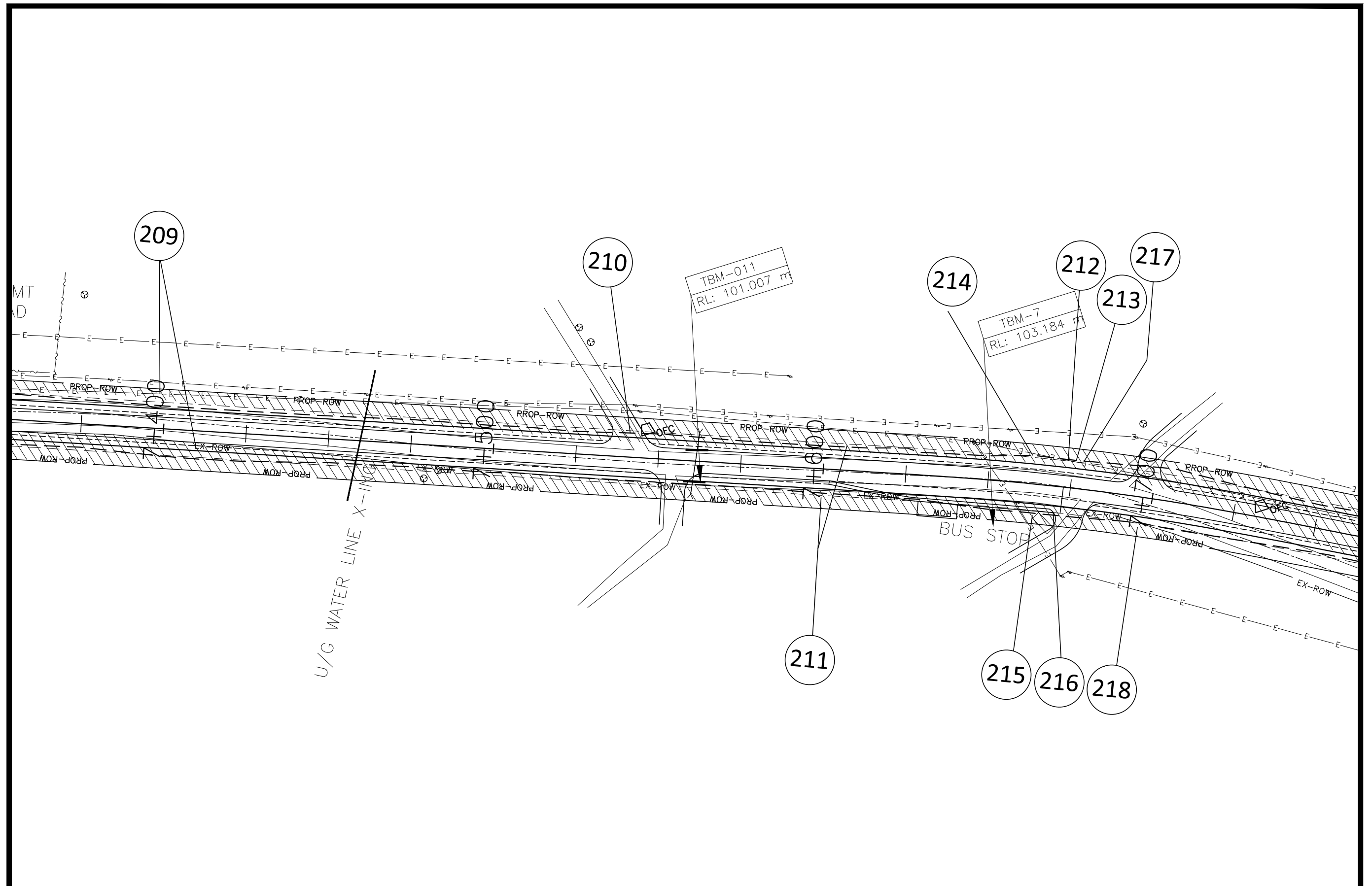
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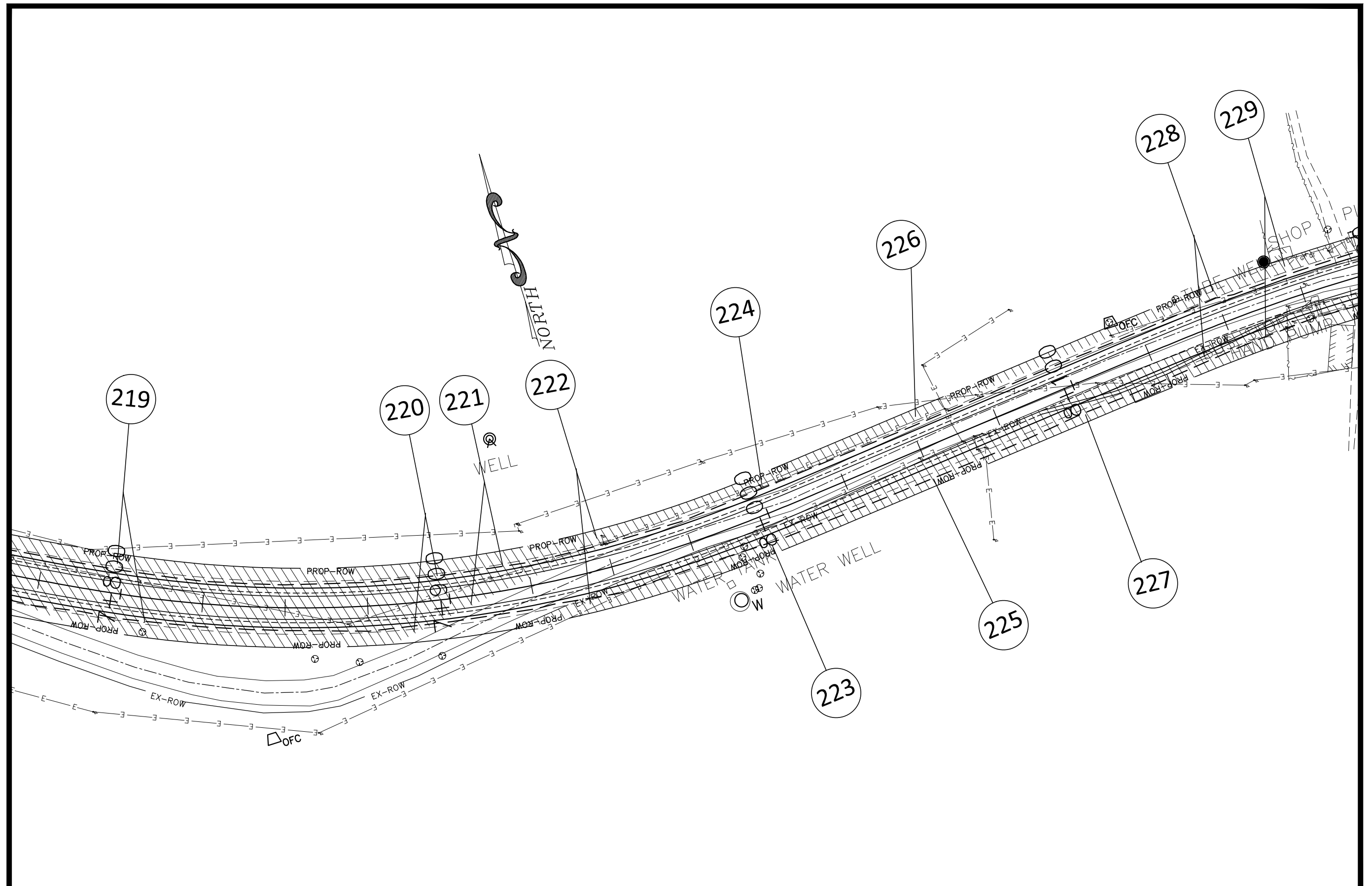
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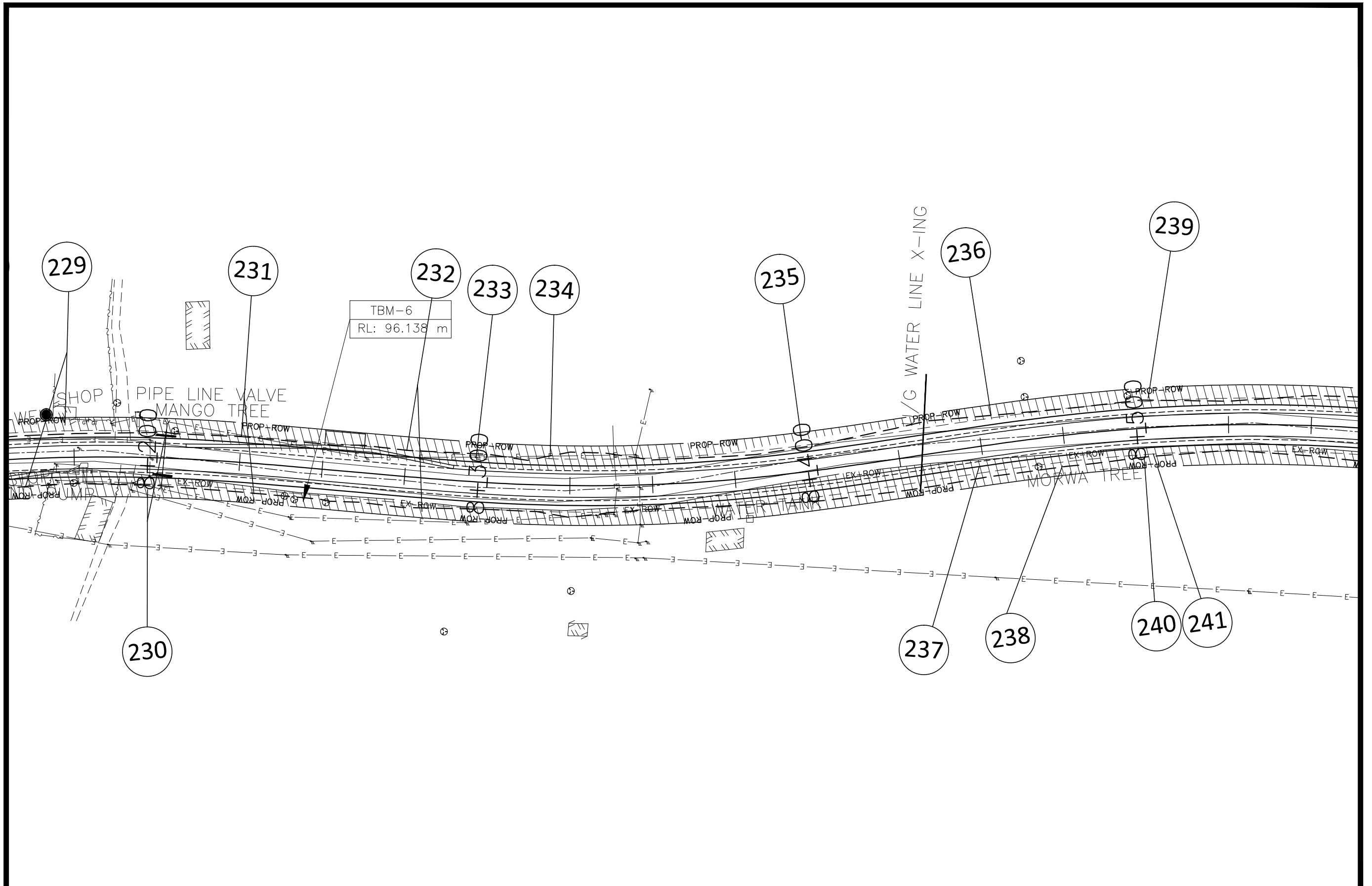


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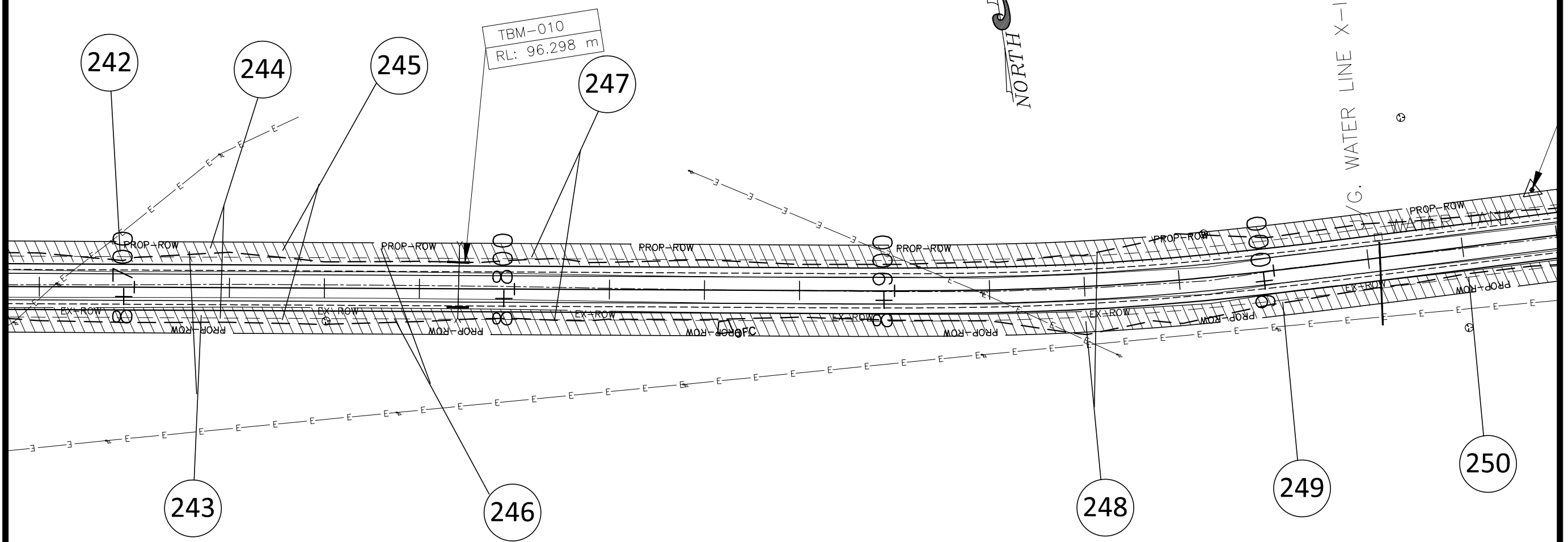


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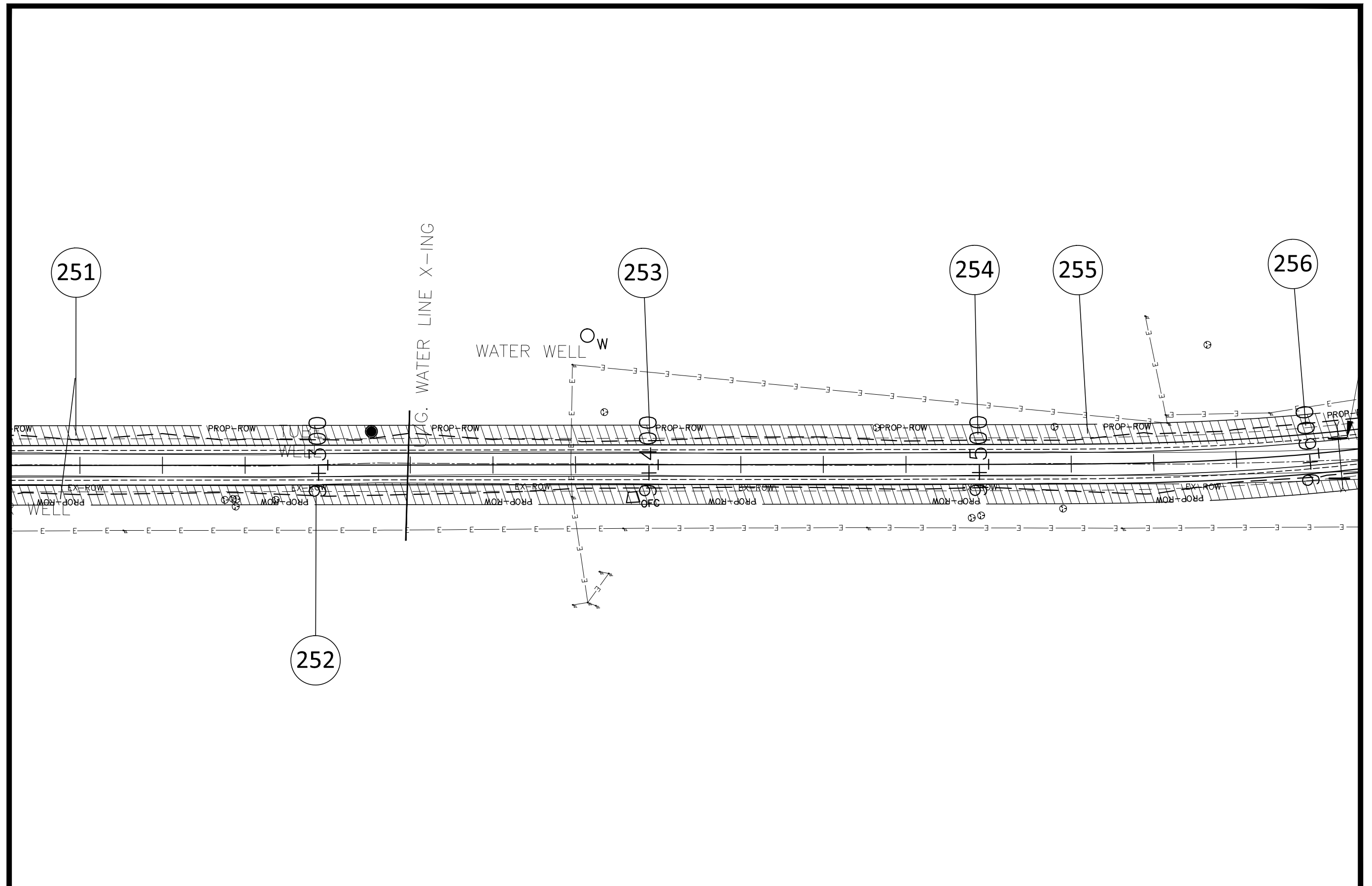




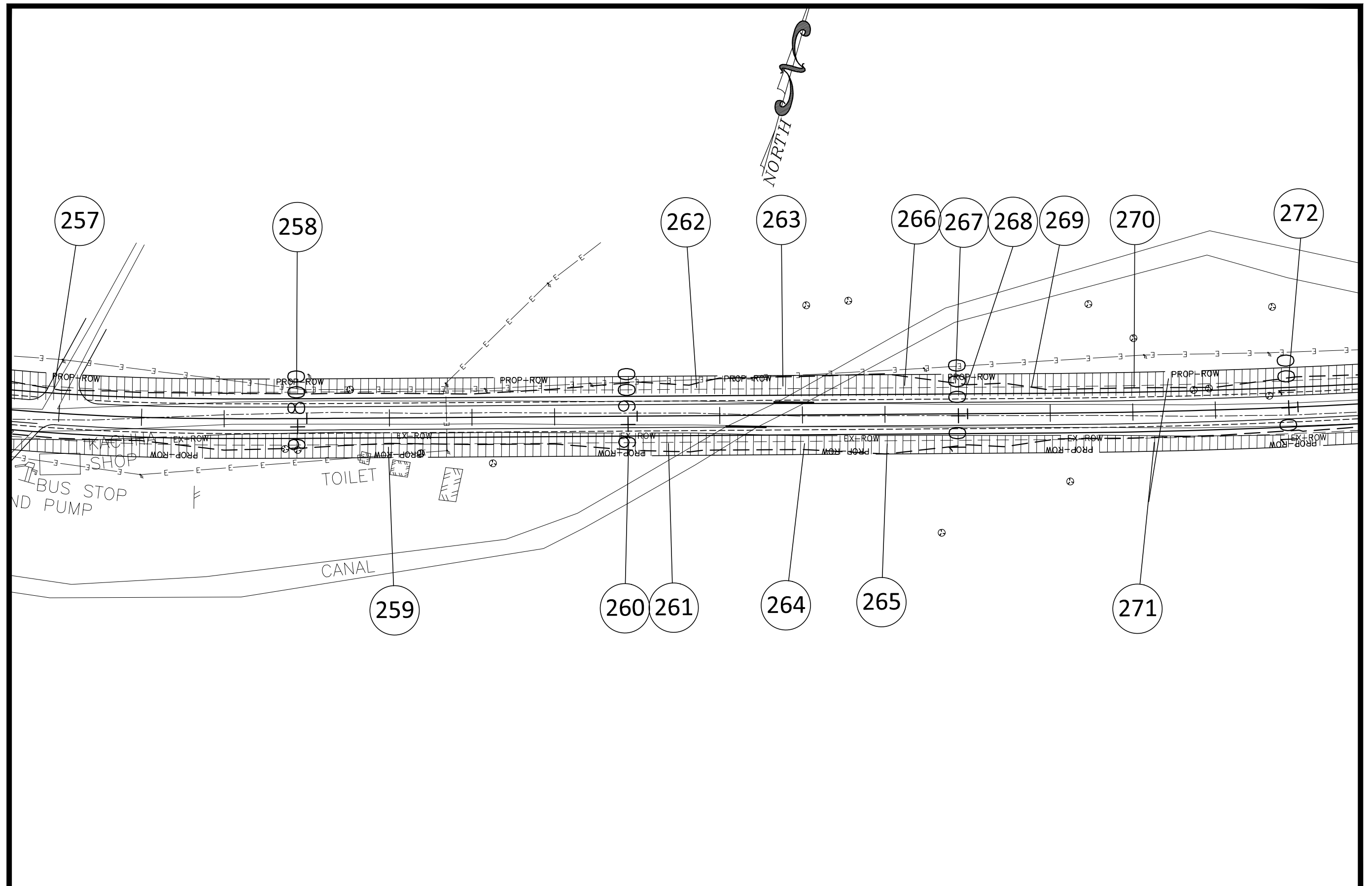
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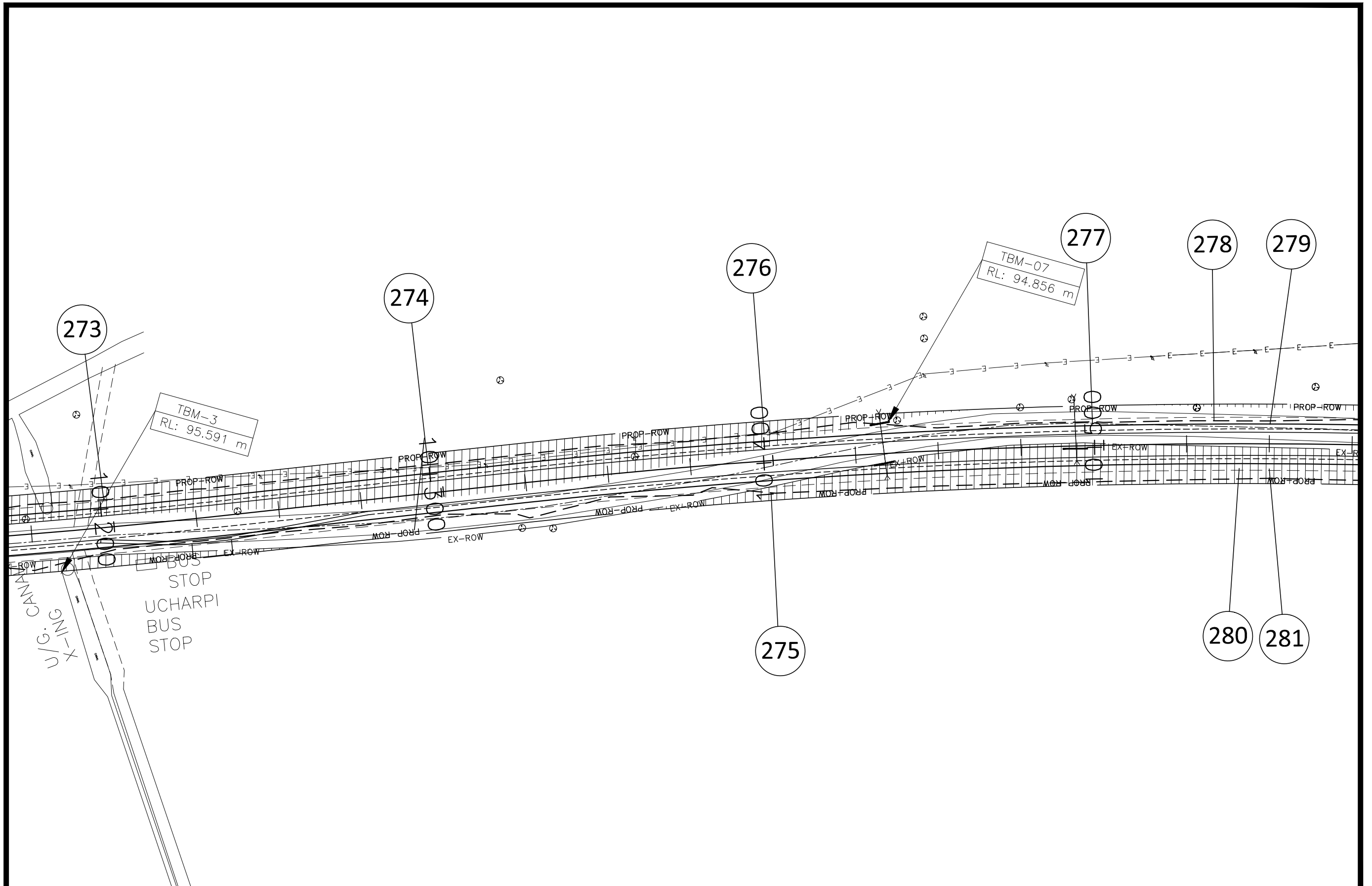
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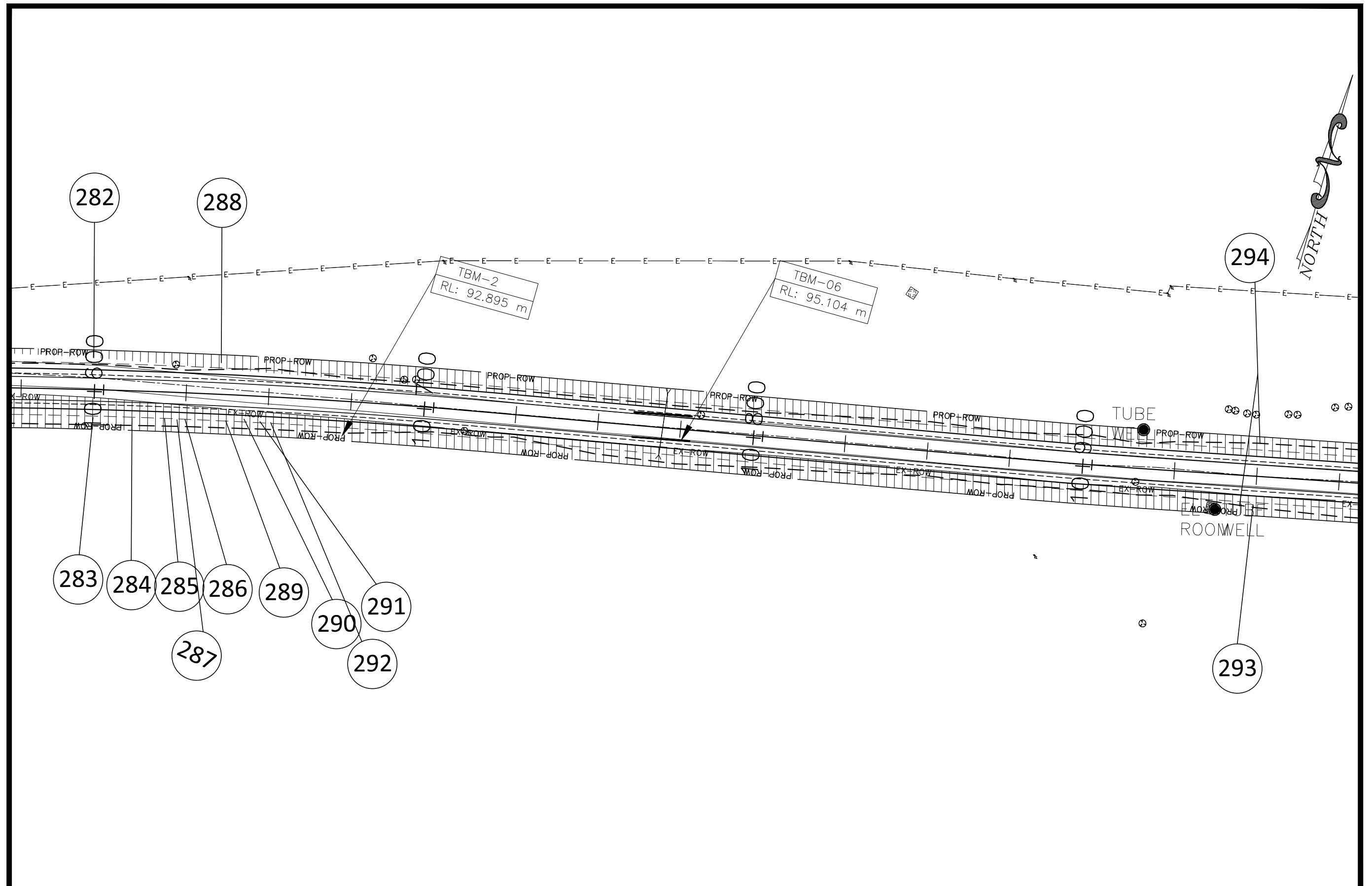
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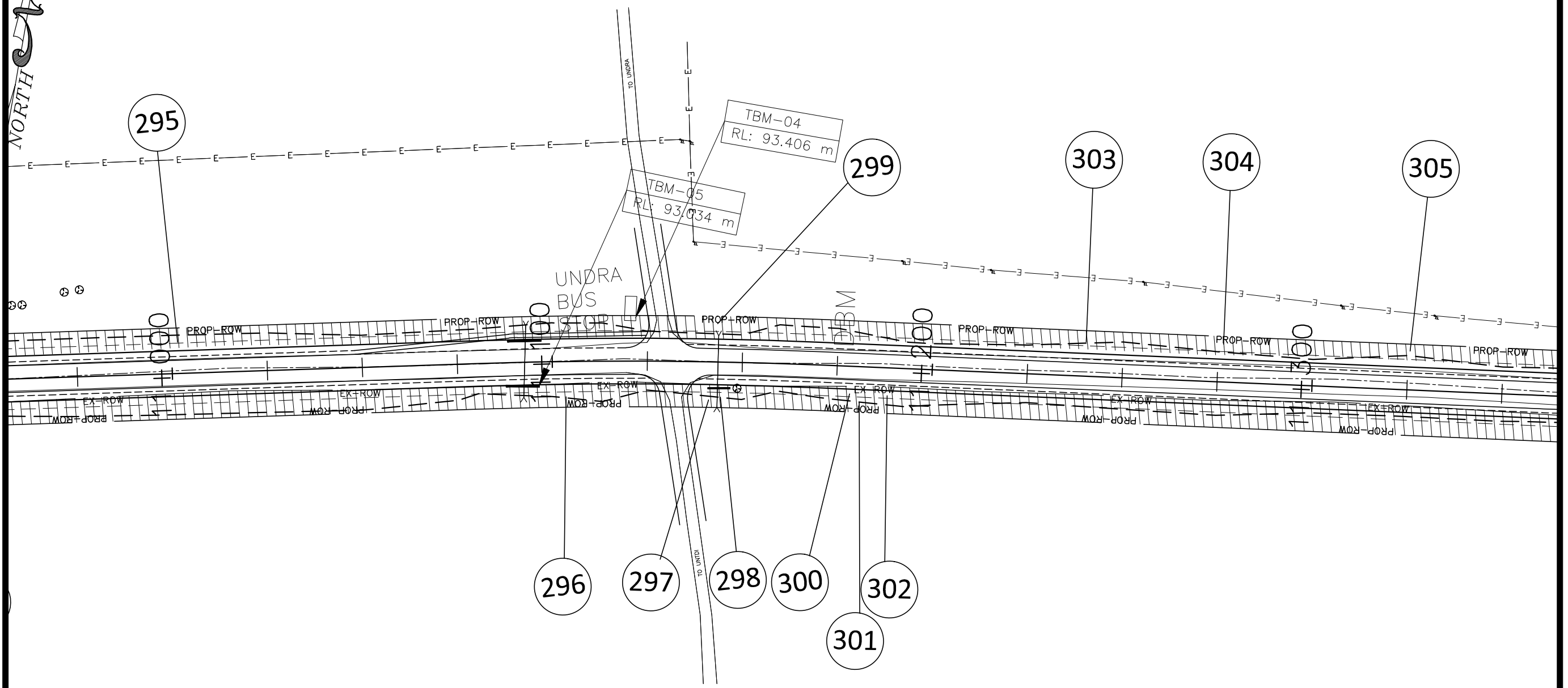


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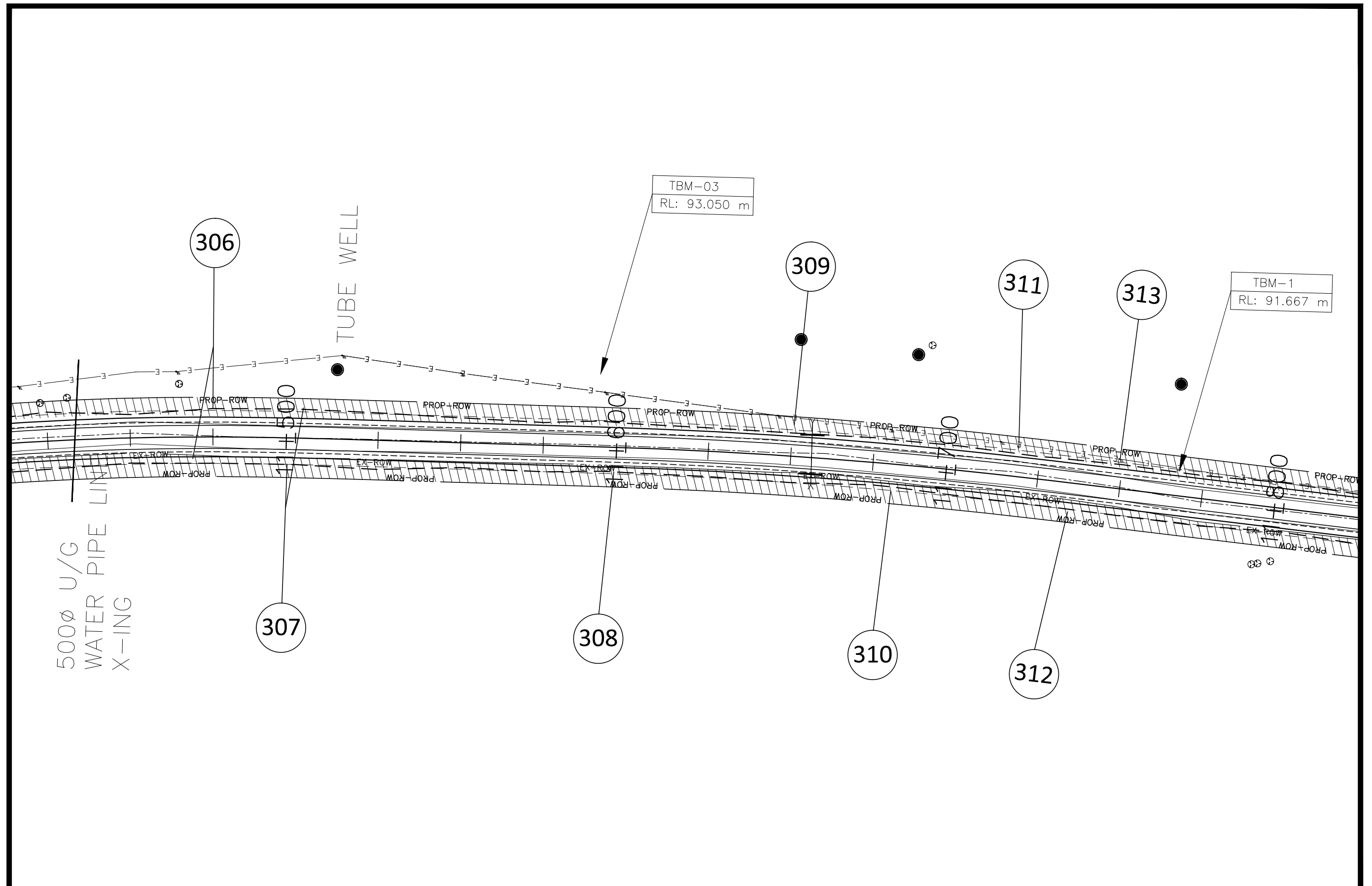


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NORTH

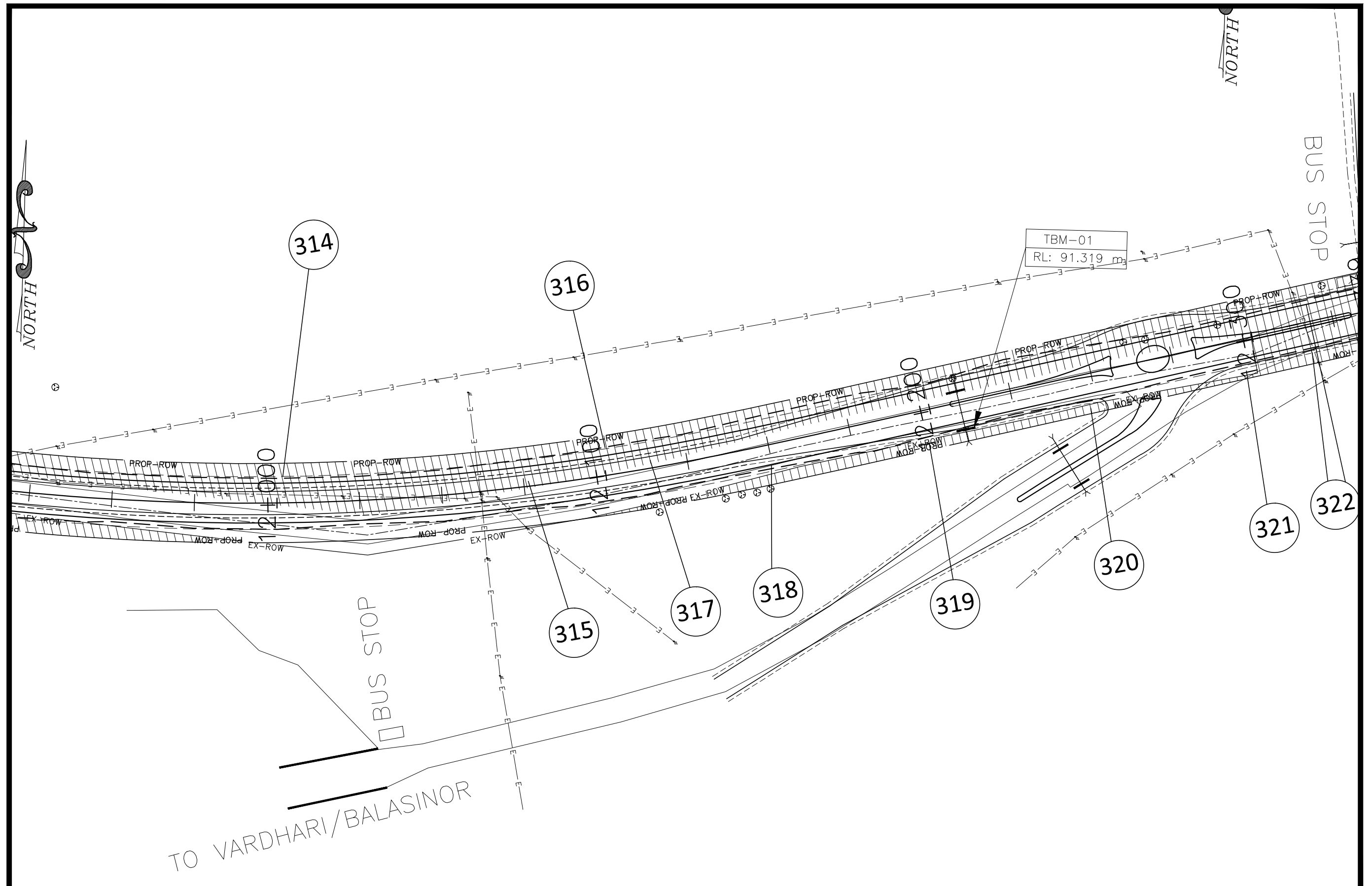


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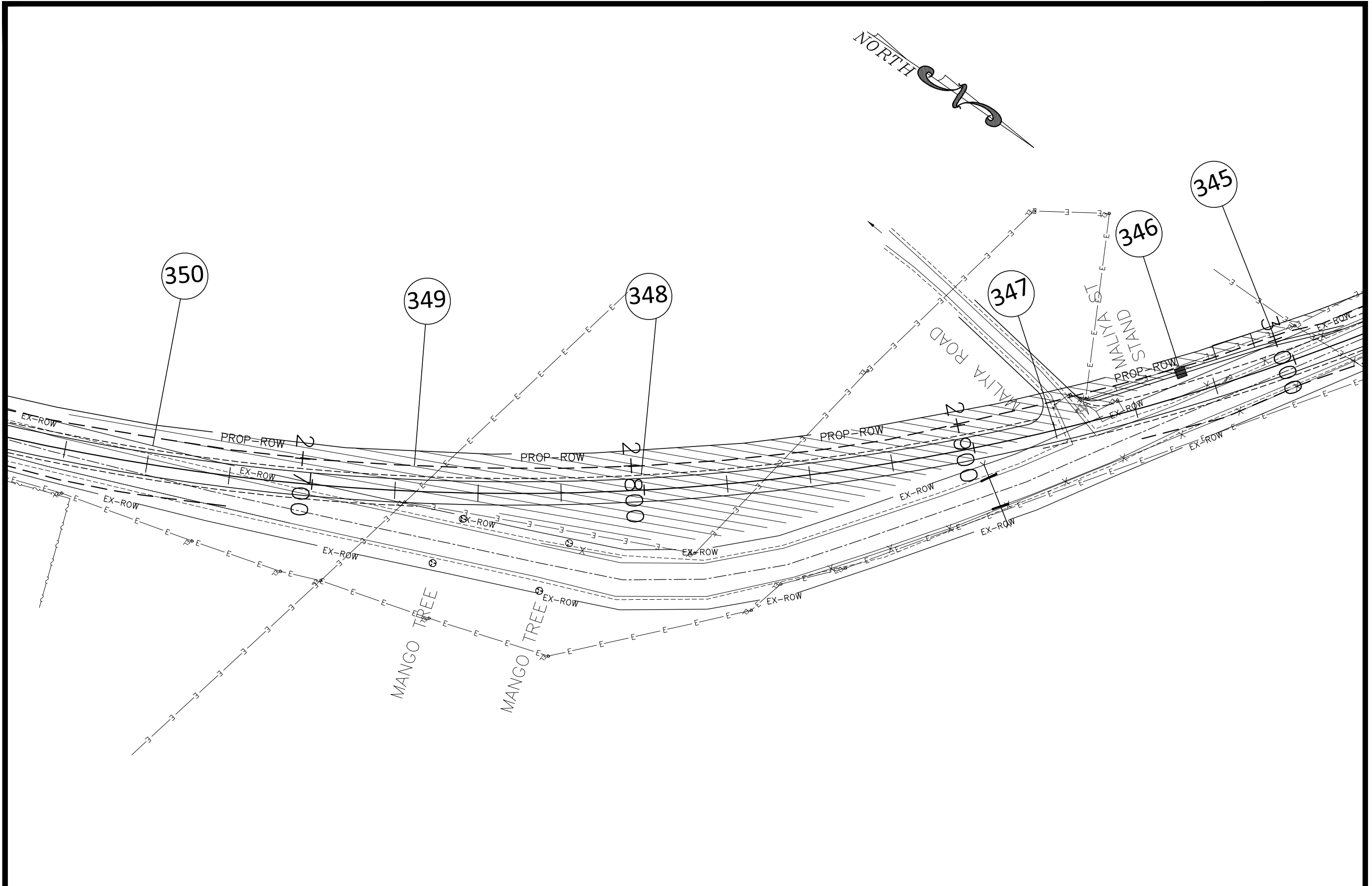
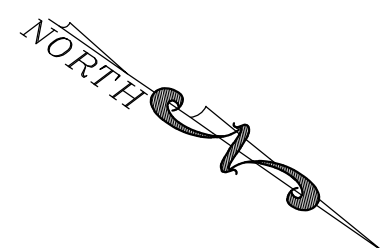


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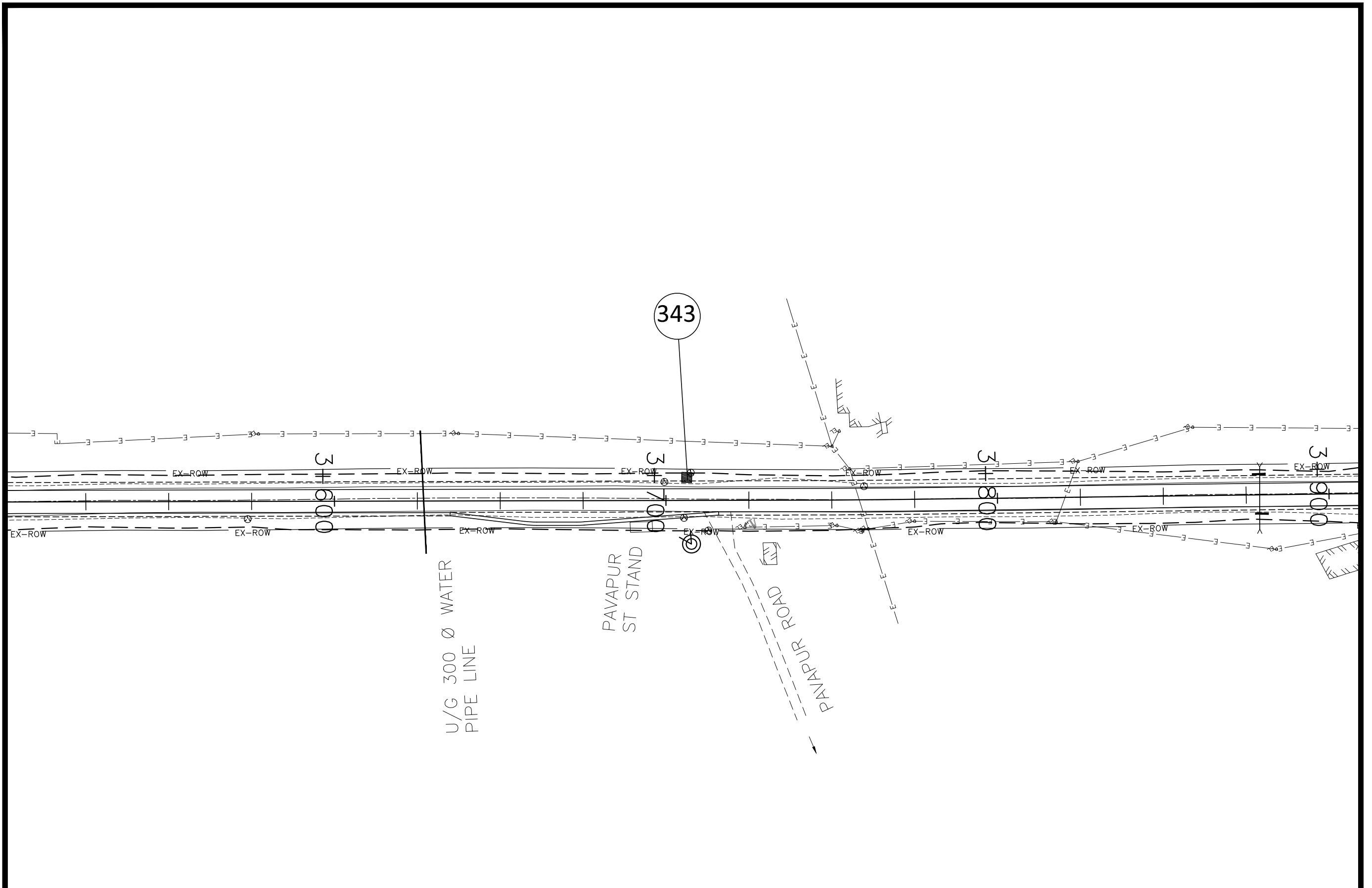




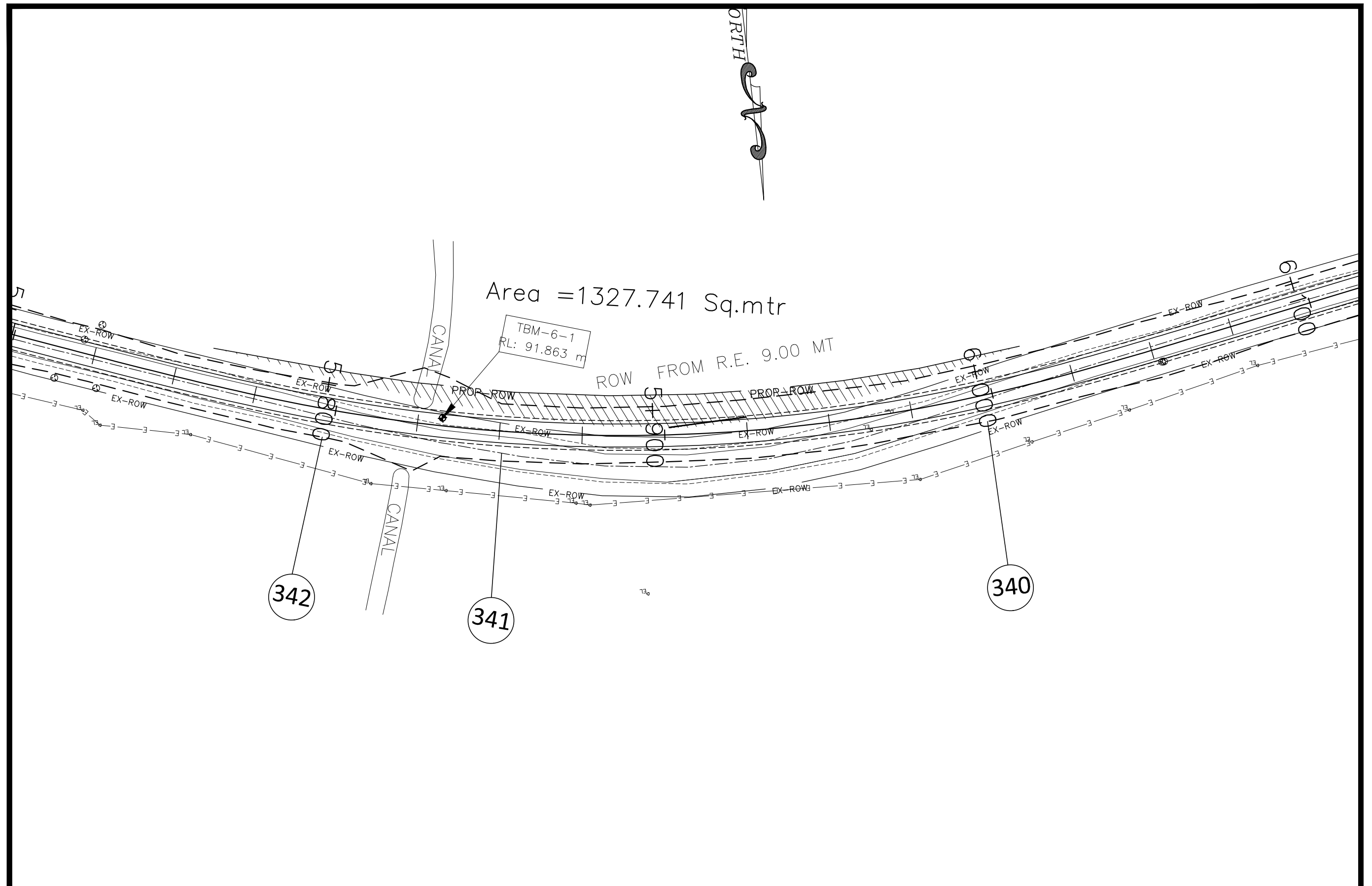
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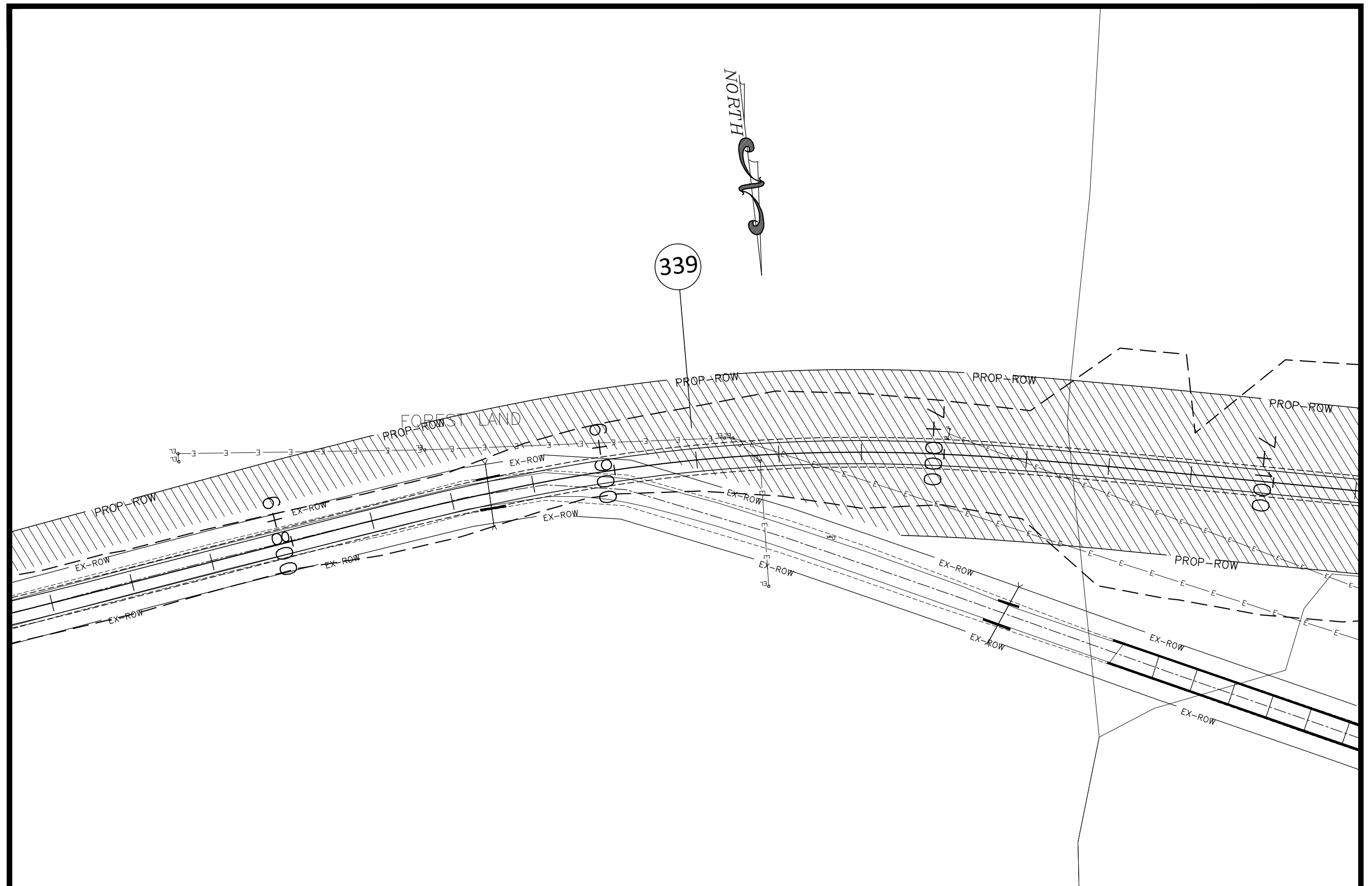
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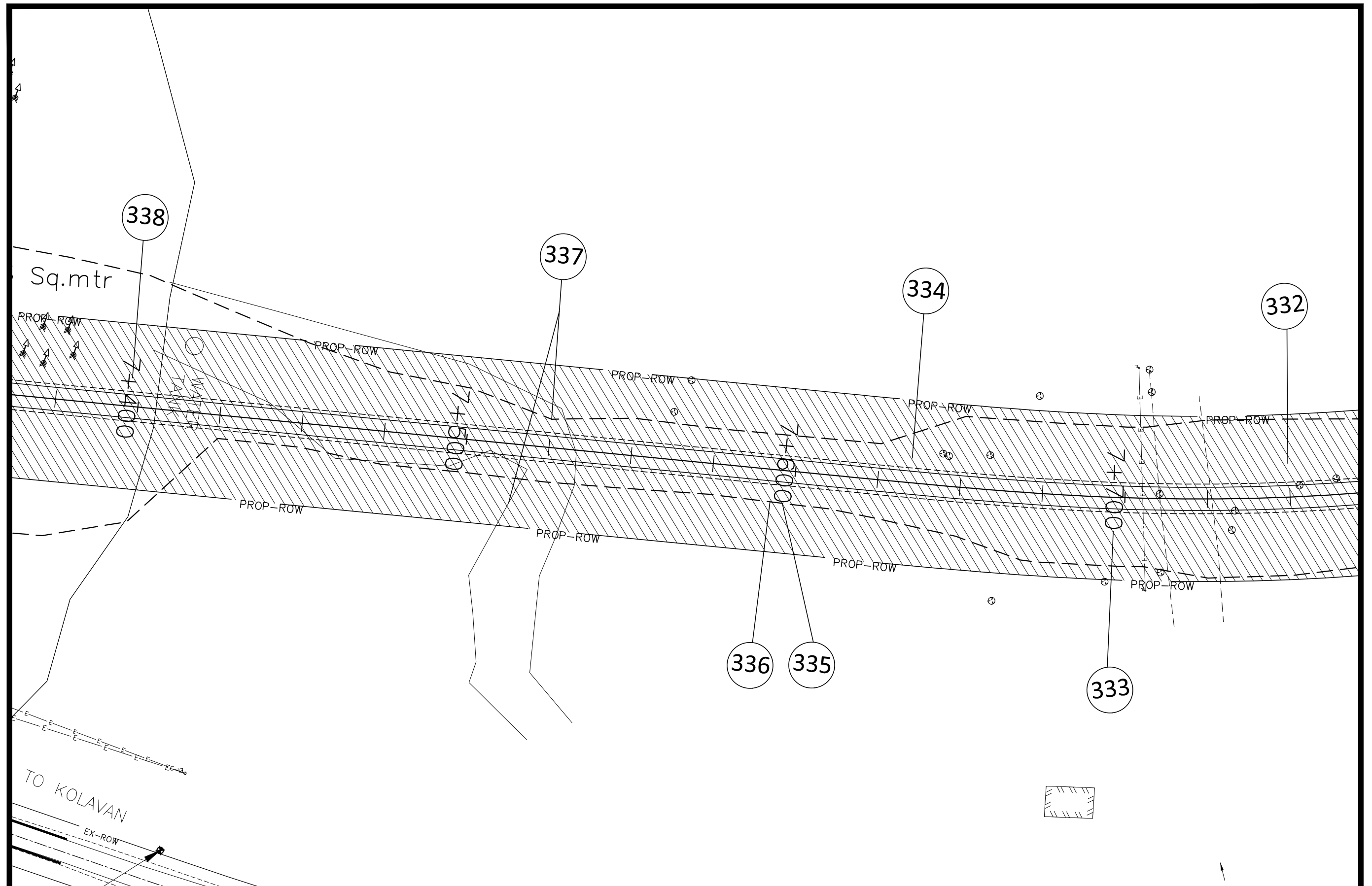
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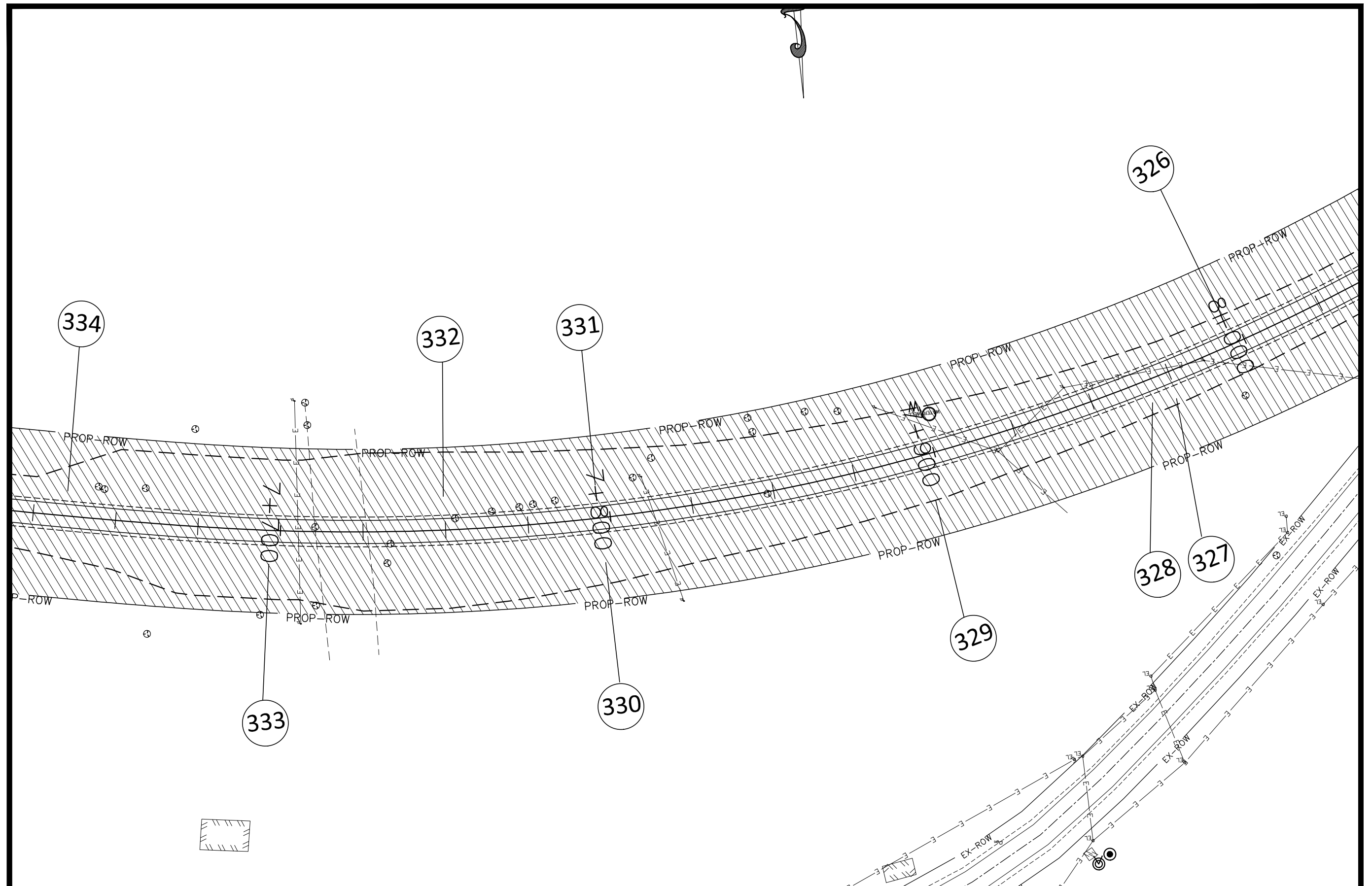
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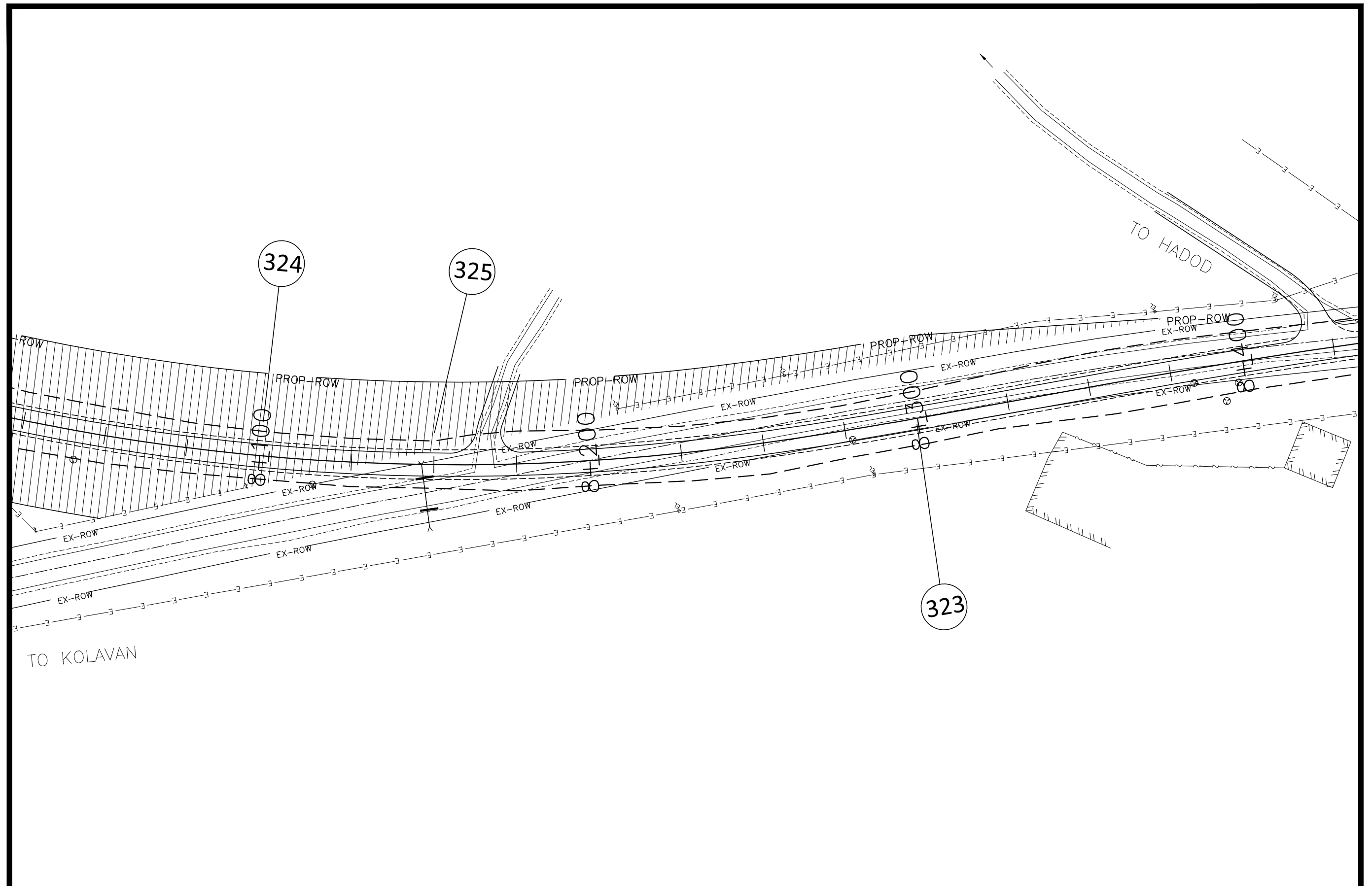
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No.	REVISION	DATE	BY											



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## Appendix 5.1: Consultation Format

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### COMMUNITY CONSULTATION – DISCUSSION GUIDE Bayad-Lunawada Corridor

#### ROADS AND BUILDINGS DEPARTMENT, GOVT. OF GUJARAT PPWCS, GUJARAT STATE HIGHWAY PROJECT-II,

##### Introduction

- Government of Gujarat has taken up the second Gujarat State Highway Project (GSHP-II), covering upgradation, maintenance and improvement of identified core road network for loan appraisal with the World Bank. Roads and Building Department (R&BD), the responsible body for managing the project, has retained M/s LEA Associates South Asia Pvt. Ltd. (LASA) as Project Preparatory Works Consultants to prepare pertinent plans on widening and upgradation of highways.
- As a pre-requisite towards loan appraisal with the World Bank, R&BD has selected ten corridors at this stage, aggregating to 394 km length for detailed project report. This includes widening and upgradation of Bayad-Lunawada corridor.
- The total corridor length is 44.8 km. The project corridor Bayad-Lunawada has four sections starting from Bayad on SH-69 at km to 18+250. It continues at SH-63 towards North West for about 0.6 kms before joining Village Road (VR)/Major District Road (MDR) which is about 11.8 kms. It again joins back SH-63 at km 14+200 which ends at Lunawada at Km 00+000 (Reverse Chainage). CoI along the corridor varies from 13m 16m.
- Consultation intends to disseminate the information regarding the proposed development as well as to know the opinion of the people regarding resettlement issues, road safety measures and potential impacts of the project.

##### Discussion Points – General

- Awareness and Opinion about the project
- Road safety issues along the corridor [road accidents/avoidance/suggestions etc. – specific cases of accidents taking place in particular locations – reasons for such accidents – increase/decrease in accidents]

##### Discussion Points for Commercial / industrial Category

- Extent of impact [in terms of loss of property – loss of livelihood – any improvement in business expected due to the project, etc.]
- Will you be able to continue your business in the same location – if relocating to another place, implications on rent, business etc. - how much time required to relocate the structure or restore the affected business/livelihood
- Tenants – usual notice period from land/building owners
- Opinion regarding compensation and assistance for affected properties
- Opinion about Rehabilitation and Resettlement for fully affected structures or if livelihood affected

**COMMUNITY CONSULTATION – DISCUSSION GUIDE  
Bayada-Lunawada Corridor****Discussion Points – for Residential Category**

- Extent of impact [in terms of loss of land – loss of structure – loss of other assets, etc.]
- Will you be able to live in the same building – if you are relocating to another location, what would be the implications
- Tenants – usual notice period from land/building owners
- Opinion regarding compensation and assistance
- Opinion about Rehabilitation and Resettlement for fully affected structures or if livelihood affected

**Discussion Points – Religious Structures / Common Property Resources**

- Extent of impact [in terms of loss of land – loss of structure – loss of other assets, etc.]
- Age of the structure – important festivals/events of pilgrim/tourist attraction - period of such celebrations – pilgrim/tourist population
- Relocation of religious properties / common property resources – Involvement of Panchayats – Any community based organizations

**Discussion Points – Agriculture Land**

- Extent of impact [in terms of loss of land – loss of agriculture crops – loss of other assets, etc., any improvement in agriculture production or development in terms of marketing expected due to the project]
- Type of crops cultivated in a year [average farm-gate price of various crops cultivated, marketing centers, area of cultivation]
- Details regarding cropping pattern [number of crops in a year, any share-cropping pattern, usual arrangement of share-cropping or contract farming]
- Dependence on Bore-wells or other irrigation facilities [arrangement for bore-well or other irrigation facilities] – Cost of Bore-well or other irrigation facilities – cost sharing pattern.

## **APPENDIX 5.2:** Community consultation

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## Appendix 8.1: Cost Estimates of Affected Land

Village Name	Chainage		LHS/RHS	Survey No.	Total Area (sq. m)	Jantri Rate (per sq. m)	Total Land Cost (in Rs)
	From	To					
Tajpur (P)	0+000 (VR/MDR)	0+825	New alignment	2	4496.1	71	319226
		(VR/MDR)		5	3619.1	69	249719
				15	1143.2	69	78883
				16	5727.5	66	378013
Dhamod (P)	0+825 (VR/MDR)	4+575 (VR/MDR)	RHS	198	157.51	41	6458
			LHS	176	417.02	41	17098
			RHS	176	206.94	41	8485
			LHS	195	284.82	41	11677
			RHS	195	722.30	41	29614
			LHS	Survey no. not available	224.04	41	9186
			RHS	Survey no. not available	252.32	41	10345
			RHS	Survey no. not available	89.90	41	3686
			LHS	208	638.82	41	26192
			RHS	208	895.30	41	36707
			LHS	Survey no. not available	434.18	41	17802
			RHS	Survey no. not available	515.79	41	21147
			LHS	156	576.62	41	23641
			RHS	156	357.53	41	14659
			LHS	Survey no. not available	286.73	41	11756
			LHS	170	1321.40	41	54177
			LHS	156	739.02	41	30300
			RHS	156	756.19	41	31004
			RHS	194	810.06	41	33212
			LHS	194	868.66	41	35615
			LHS	72	427.30	41	17519
			RHS	173	2110.08	291	613966
			RHS	174	1751.11	291	509518
			RHS	175	1790.17	291	520884
			RHS	177	1350.33	291	392904
			RHS	169	13.27		478
			RHS	178	942.01	291	274094
			RHS	179	1327.26	291	386190
			LHS	182	356.14	291	103625
			RHS	182	336.17	291	97815
LHS	2	515.17	291	149899			
RHS	2	233.11	291	67827			
Sadhakpur (P)	4+550 (VR/MDR)	5+300 (VR/MDR)	LHS	71	986.4	41	40443
			RHS	71	655.9	41	26891
			LHS	72	1031.8	41	42303
			RHS	72	674.9	41	27671
			LHS	82	401.4	41	16457
			RHS	82	615.5	41	25234
			RHS	79	141.4	41	5797
RHS	81	1728.3	41	70860			

Village Name	Chainage		LHS/RHS	Survey No.	Total Area (sq. m)	Jantri Rate (per sq. m)	Total Land Cost (in Rs)
	From	To					
			LHS	81	51.8	41	2123
			LHS	85	301.3	41	12354
			LHS	91	175.7	41	7205
			RHS	91	202.3	41	8293
			LHS	90	662.4	41	27157
			RHS	90	196.2	41	8044
			RHS	87	1333.3	41	54666
Lalsar (P)	5+300(VR/MDR)	7+900 (VR/MDR)	LHS	28	19.8	41	811
			RHS	28	266.6	41	10929
			LHS	29	66.1	41	2712
			RHS	29	17.5	41	717
			LHS	27	75.2	41	3085
			RHS	27	933	41	38253
			LHS	22	222.8	41	9134
			RHS	22	392.1	41	16077
			RHS	23	304.2	41	12474
			LHS	16	130.2	39	5079
			LHS	11	625.5	41	25647
			RHS	11	599.2	41	24569
			LHS	12	368.6	41	15114
			RHS	12	435.1	41	17838
			LHS	13	1063.9	39	41492
			RHS	13	994.4	39	38781
			LHS	14	10	41	410
			LHS	2	688.2	39	26841
			RHS	2	139.7	39	5449
			LHS	1	178	39	6943
			LHS	3	409	41	16768
			RHS	3	1327.7	41	54434
			LHS	310	343.8	41	14096
			LHS	309	196.2	41	8045
			RHS	309	3117.1	41	127799
			RHS	308	1086.5	46	49978
			RHS	303	10	46	460
			LHS	307	332.8	41	13643
			RHS	307	787.4	41	32283
			LHS	304	200.1	46	9202
			RHS	304	81.7	46	3757
			LHS	174	31.1	46	1432
			LHS	254	528.8	46	24323
			RHS	254	116.2	46	5345
			RHS	256	81.2	41	3331
			LHS	255	452.9	46	20833
			RHS	255	179.6	46	8263
			LHS	258	80.5	41	3300
			RHS	258	135.7	41	5566
			LHS	253	385.4	46	17730
			RHS	253	326.5	46	15018
			LHS	252	1063.1	46	48904
RHS	252	486.2	46	22365			
LHS	180	74.7	41	3061			
LHS	203	242	41	9920			
RHS	203	573.9	41	23529			
LHS	202	2568.5	44	113014			
RHS	202	444.7	44	19568			
LHS	200	433.1	45	19490			
LHS	206	1116.3	45	50234			
RHS	206	834.4	45	37550			
LHS	208	366.7	45	16499			
RHS	208	821.9	45	36986			

Village Name	Chainage		LHS/RHS	Survey No.	Total Area (sq. m)	Jantri Rate (per sq. m)	Total Land Cost (in Rs)
	From	To					
			LHS	209	616.3	45	27734
			RHS	209	582.6	45	26216
			LHS	213	179.5	45	8076
			LHS	214	683.4	45	30751
			RHS	214	596.5	45	26841
			RHS	219	111.9	41	4588
			LHS	215	5	45	225
			LHS	216	291.5	45	13116
			LHS	218	233	45	10486
			RHS	218	93.7	45	4214
			LHS	217	2547.3	45	114629
Vakhatpur (Kidia) (Private Land)	7+900 (VR/MDR)	8+600 (VR/MDR)	LHS	135	1778.9	41	72934
			RHS	134	266.9	41	10944
			LHS	136	59	41	2431
			RHS	136	920.5	41	37741
			LHS	139	116.4	41	4772
			RHS	139	557.7	41	22866
			RHS	137	722.4	41	29617
			LHS	10	956.1	41	39200
			RHS	10	1441.8	41	59112
			LHS	11	753.2	41	30881
			RHS	11	590.9	41	24228
			LHS	12	4.3	41	177
			RHS	12	741.2	41	30391
			charpi (P)	8+600 (VR/MDR)	10+775 (VR/MDR)	LHS	189
RHS	189	1143.2				29	33154
LHS	190	271.4				29	7872
RHS	190	317.5				29	9207
LHS	191	379.8				29	11015
RHS	191	340.3				29	9868
LHS	203	459				32	14689
RHS	203	427.4				32	13676
LHS	195	1120.6				34	38100
RHS	195	206.7				34	7028
RHS	202	75.7				32	2421
RHS	201	349.7				32	11191
LHS	197	23.4				32	748
RHS	197	611.5				32	19567
LHS	196	203.9				32	6526
RHS	196	194.1				32	6210
LHS	143	538.2				34	18298
RHS	143	243.6				34	8282
LHS	142	451.9				33	14913
RHS	142	886.9				33	29267
LHS	138	162.4				34	5523
LHS	141	651.4				34	22146
RHS	141	858.1				34	29174
LHS	139	338.8				34	11520
RHS	139	126.6				34	4303
LHS	140	1028.1				34	34957
RHS	140	123				34	4181
LHS	98	537.5				34	18276
RHS	98	791.6				34	26913
LHS	97	435.8				34	14818
RHS	97	579.4				34	19699
LHS	96	640.6				34	21782
RHS	96	669.6				34	22765
LHS	100	43.5	32	1392			
LHS	95	709.1	33	23399			
RHS	95	290.6	33	9591			

Village Name	Chainage		LHS/RHS	Survey No.	Total Area (sq. m)	Jantri Rate (per sq. m)	Total Land Cost (in Rs)
	From	To					
			LHS	94	507.9	33	16760
			RHS	94	125.5	33	4141
			RHS	Temp-1	59.6	33	1967
			LHS	93	989.5	33	32655
			RHS	93	168.3	33	5553
			LHS	92	886.5	33	29254
			LHS	80	537.3	33	17730
			RHS	80	1115.9	33	36825
			LHS	82	177.8	30	5333
			RHS	82	47.7	30	1430
			LHS	83	41.6	30	1248
			RHS	83	472.2	30	14167
			LHS	78	545.1	32	17444
			RHS	78	763.5	32	24433
			RHS	79	391.7	33	12926
RHS	76	33.2	33	1095			
RHS	77	11.7	33	385			
Unadra (P)	10+775 (VR/MDR)	12+400 (VR/MDR)	LHS	Temp-1	999.9	26	25998
			RHS	Temp-1	1116.8	26	29037
			LHS	260	498.5	26	12961
			RHS	260	346	26	8996
			LHS	259	185.9	26	4834
			RHS	259	181.6	26	4721
			LHS	Temp-2	443.6	26	11534
			RHS	Temp-2	382.7	26	9949
			RHS	255	51.2	26	1331
			LHS	253	644.5	26	16756
			RHS	253	568.9	26	14791
			RHS	254	167.4	27	4520
			LHS	252	451.6	27	12192
			RHS	252	675.6	27	18240
			LHS	250	211.3	27	5706
			RHS	249	212.7	27	5743
			LHS	245	503.4	27	13592
			RHS	245	699.3	27	18880
			LHS	244	395.6	27	10681
			RHS	244	432.5	27	11679
			LHS	224	627.8	27	16949
			RHS	224	834	27	22517
			LHS	222	901.2	27	24331
			RHS	222	875.8	27	23646
			LHS	221	1536.3	27	41480
			RHS	221	790.3	27	21339
			LHS	163	485.2	26	12615
			LHS	161	1399.5	38	53179
			RHS	161	374.2	38	14221
			LHS	261	1776.2	25	44405
RHS	261	903.4	25	22584			
RHS	160	974.6	33	32160			
LHS	162	1574.7	38	59838			
RHS	162	122.5	38	4656			
RHS	158	1350.2	33	44555			
RHS	156	357.9	33	11812			
LHS	157	167.8	38	6378			
Hadod (P)	8+400 (SH-63)	7+400 (SH-63)	RHS (New Alignment)	51	1641.61	37	60740
				44	864.58	37	31989
				265	2870.68	30	86120
				46	3127.73	37	115726
				374	794.37	37	29392
				45	1025.78	37	37954

Village Name	Chainage		LHS/RHS	Survey No.	Total Area (sq. m)	Jantri Rate (per sq. m)	Total Land Cost (in Rs)
	From	To					
				361	9259.78	37	342612
			1	171.84	37	6358	
			2	545.16	37	20171	
			3	752.5	37	27843	
			4	533.48	37	19739	
			14	3767.82	37	139409	
			13	421.06	37	15579	
			27	49.76	37	1841	
			12	3315.54	37	122675	
			11	502.42	37	18590	
			27	5536.38	37	204846	
			25	1217.69	37	45054	
			32	975.24	37	36084	
Khantana Bhensavada (P)	6+008 (SH-63)	5+756 (SH-63)	RHS (Curve-1)	41	178.28	26	4517
			RHS (Curve-1)	40	325.22	26	8240
					2515.8	26	63742
			RHS (Curve-1)	39	161.84	26	4101
Maliya (P)	3+083 (SH-63)	2+581 (SH-63)	RHS (Curve-2)	117	244	37	9042
			RHS (Curve-2)	178	186	37	6916
			RHS (Curve-2)	180	3356	30	100691
			RHS (Curve-2)	183	478.24	37	17695
			RHS (Curve-2)	185	521.11	37	19281
<b>Total</b>					181019		9817297