






**Legend**

-  Reservoir
-  Pump
-  Junction
-  Rising Main 80mm Dia GI Pipe
-  BAHI Cluster

Source: Esri, Maxar,

SIGN. OF CLIENT:-

JE	AE	EE	SE
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 **DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

P1	SIGN.												
	INITIALS	GKJ	MXL	DVB			MK	DK	22-07-2022				
	REVISIONS	As per Client Comments											
P0	SIGN.												
	INITIALS	GKJ	MXL	DVB			MK	DK	14-06-2022				
	REVISIONS												
ISSUE		DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD.	DATE
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**PURPOSE: FOR TENDER ONLY**

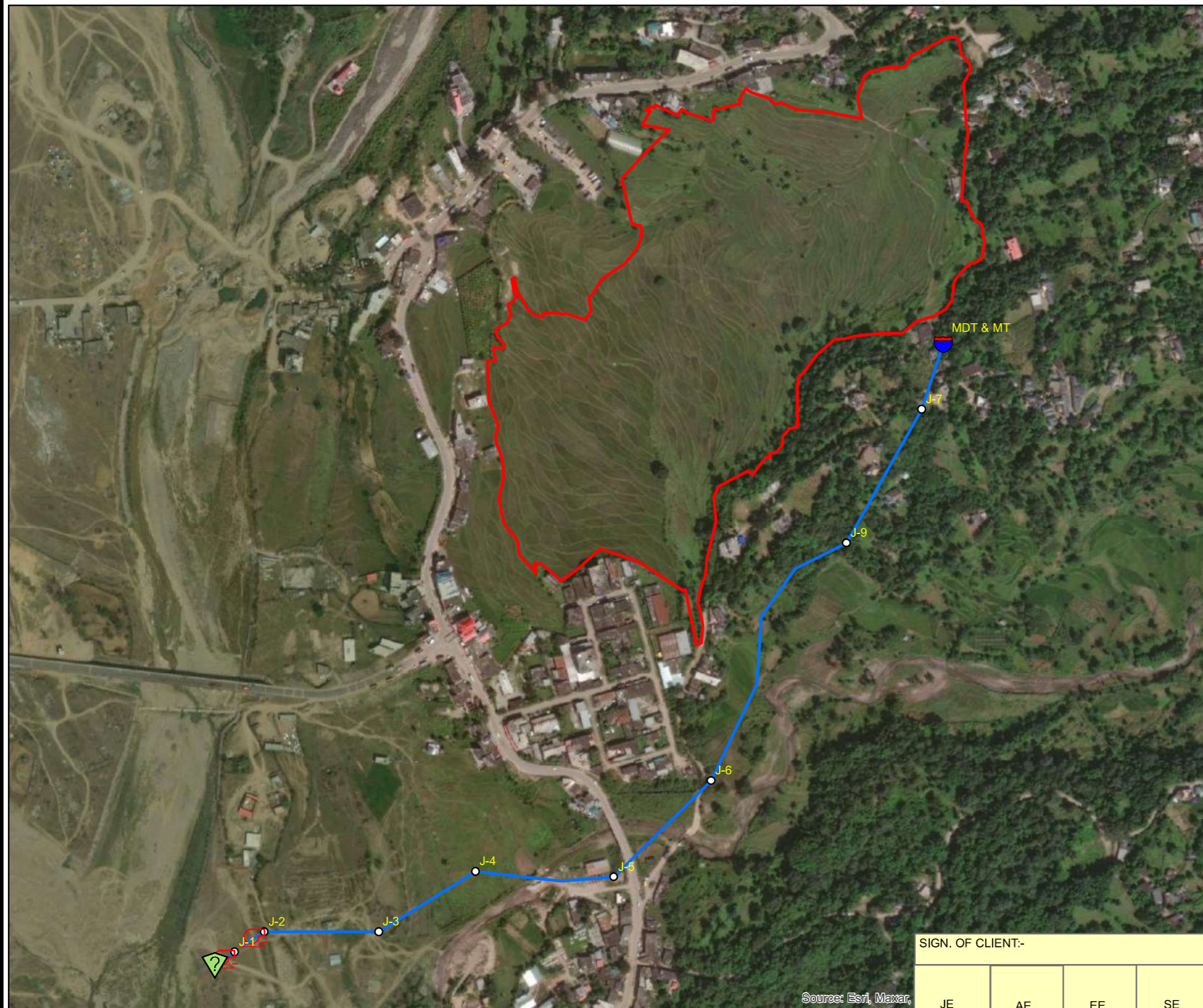
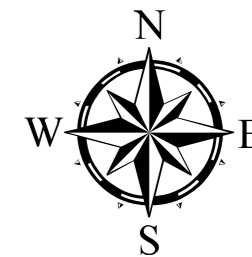
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File Name: 12503A-CV-32209-Rev-P1

 **TATACONSULTING ENGINEERS LIMITED. MUMBAI**







SCALE:- 1:5,000 DWG. No:- TCE.12503A-CV-3082-WS-32209 ISSUE:- P1

DL.CEN:- DEL-CV



Source: Esri, Maxar

### Legend

-  Source
-  Pump
-  Junction
-  MDT\_MT
-  Rising Main 100mm Dia GI Pipe
-  BHAMBHLA

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

**PURPOSE: FOR TENDER ONLY**

TITLE:- NETWORK DRAWING FOR LIS FROM SEER KHAD (BHAMBHLA - 1 CLUSTER) GOPALPUR BLOCK, MANDI DISTRICT.



**TATACONSULTING ENGINEERS LIMITED. MUMBAI**

SIGN.												
	INITIALS											
REVISIONS												
SIGN.												
	INITIALS	GKJ	MXL	MK				MK	DK	14-06-2022		
REVISIONS												
ISSUE		DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE
					CLEARED							

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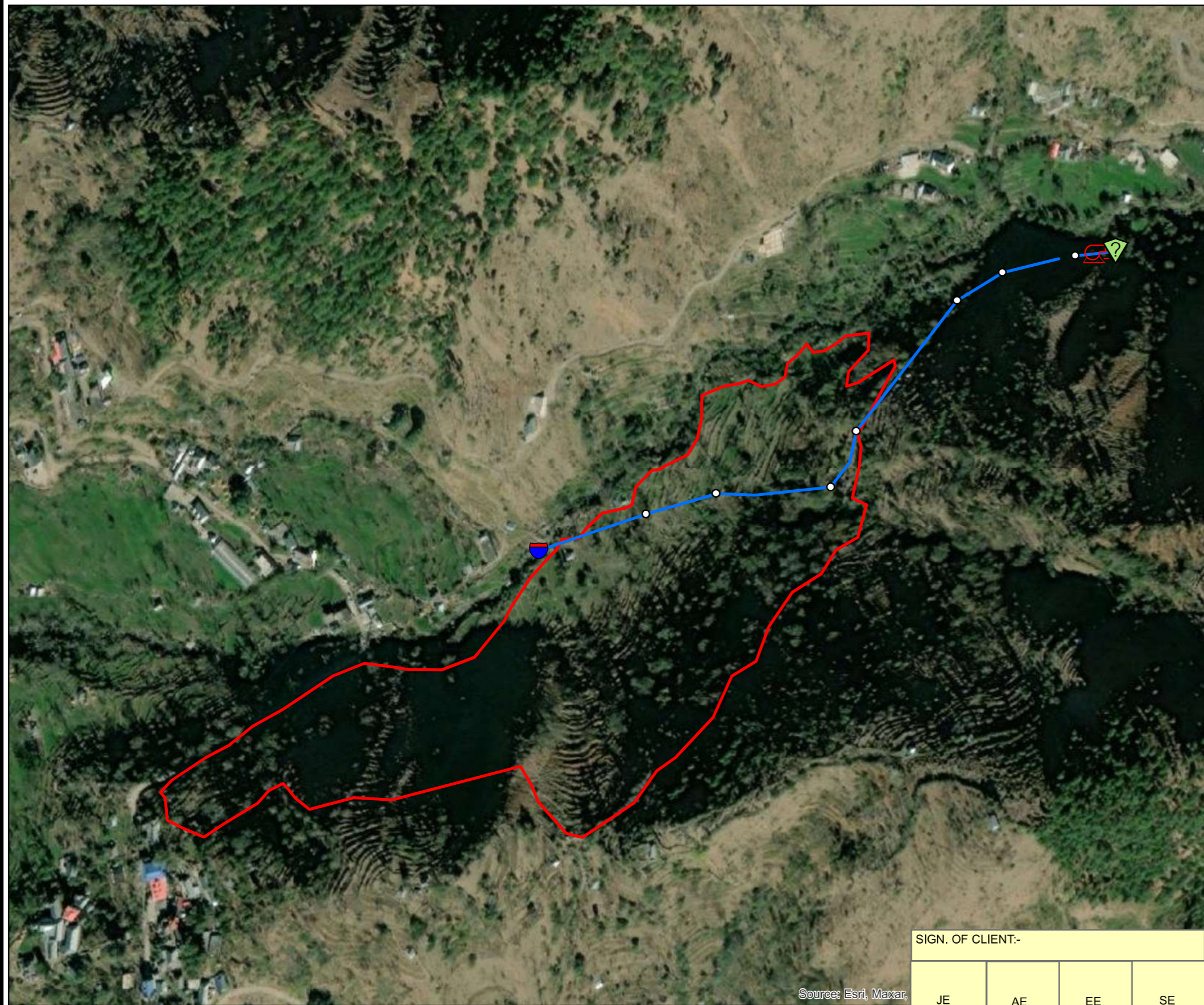
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File Name: 12503A-CV-32210-Rev-P0

SCALE:- 1:5,000	DWG. No:- TCE.12503A-CV-3082-WS-32210	ISSUE:- P0
DL.CEN.:- DEL-CV		



**Legend**

-  Source
-  Pump
-  MDT\_MT
-  Junction
-  Rising Main 100mm Dia GI Pipe
-  THONA

Source: Esri, Maxar,

SIGN. OF CLIENT:-

JE	AE	EE	SE
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 **DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

SIGN.											
	INITIALS										
	REVISIONS										
P0	SIGN.										
	INITIALS	GKJ	MXL	DVB			MK	DK	14-06-2022		
	REVISIONS										
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE
					CLEARED						

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**PURPOSE: FOR TENDER ONLY**

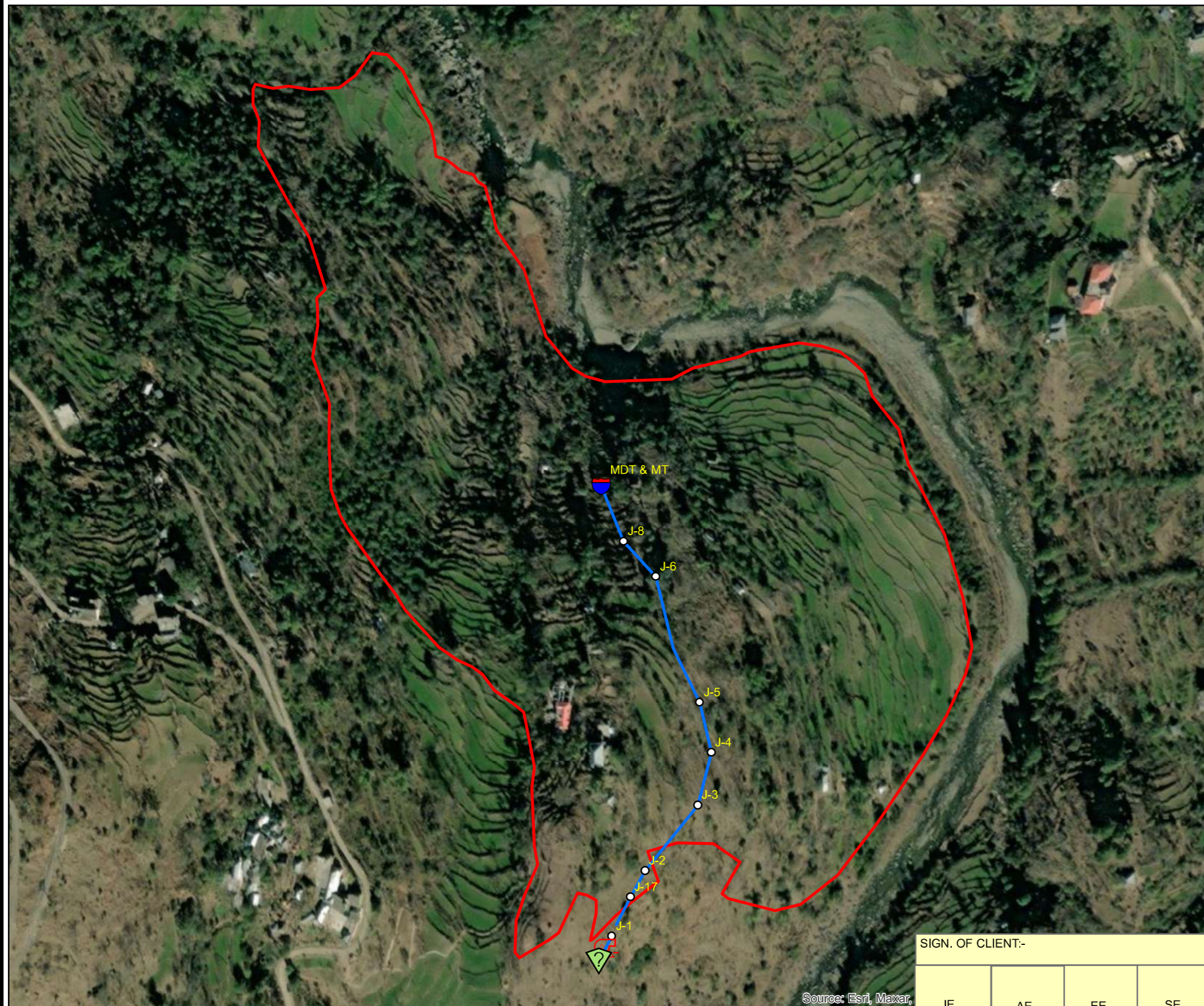
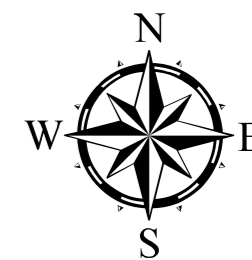
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File Name: 12503A-CV-32211-Rev-P0

TITLE:- **NETWORK DRAWING FOR FIS THOUNA KUHAL (THAUNA / DHALAIT CLUSTER) GOPALPUR BLOCK, MANDI DISTRICT.**







 **TATACONSULTING ENGINEERS LIMITED. MUMBAI**

SCALE:- 1:4,000	DWG. No:- TCE.12503A-CV-3082-WS-32211	ISSUE:- P0
DL.CEN.:- DEL-CV		



Source: Esri, Maxar

### Legend

-  Source
-  Pump
-  MDT\_MT
-  Junction
-  Rising Main 100mm Dia GI Pipe
-  RASHER Cluster

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

**PURPOSE: FOR TENDER ONLY**

TITLE:-  
**NETWORK DRAWING FOR LIS SON KHAD  
(RASHER CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT.**



**TATACONSULTING ENGINEERS LIMITED.  
MUMBAI**

SCALE:- 1:3,000

DWG. No:-

**TCE.12503A-CV-3082-WS-32212**

ISSUE:-

**P0**

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File Name: 12503A-CV-32212-Rev-P0

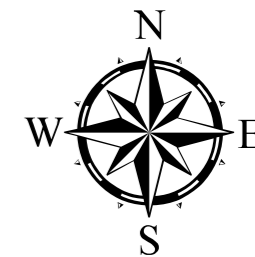
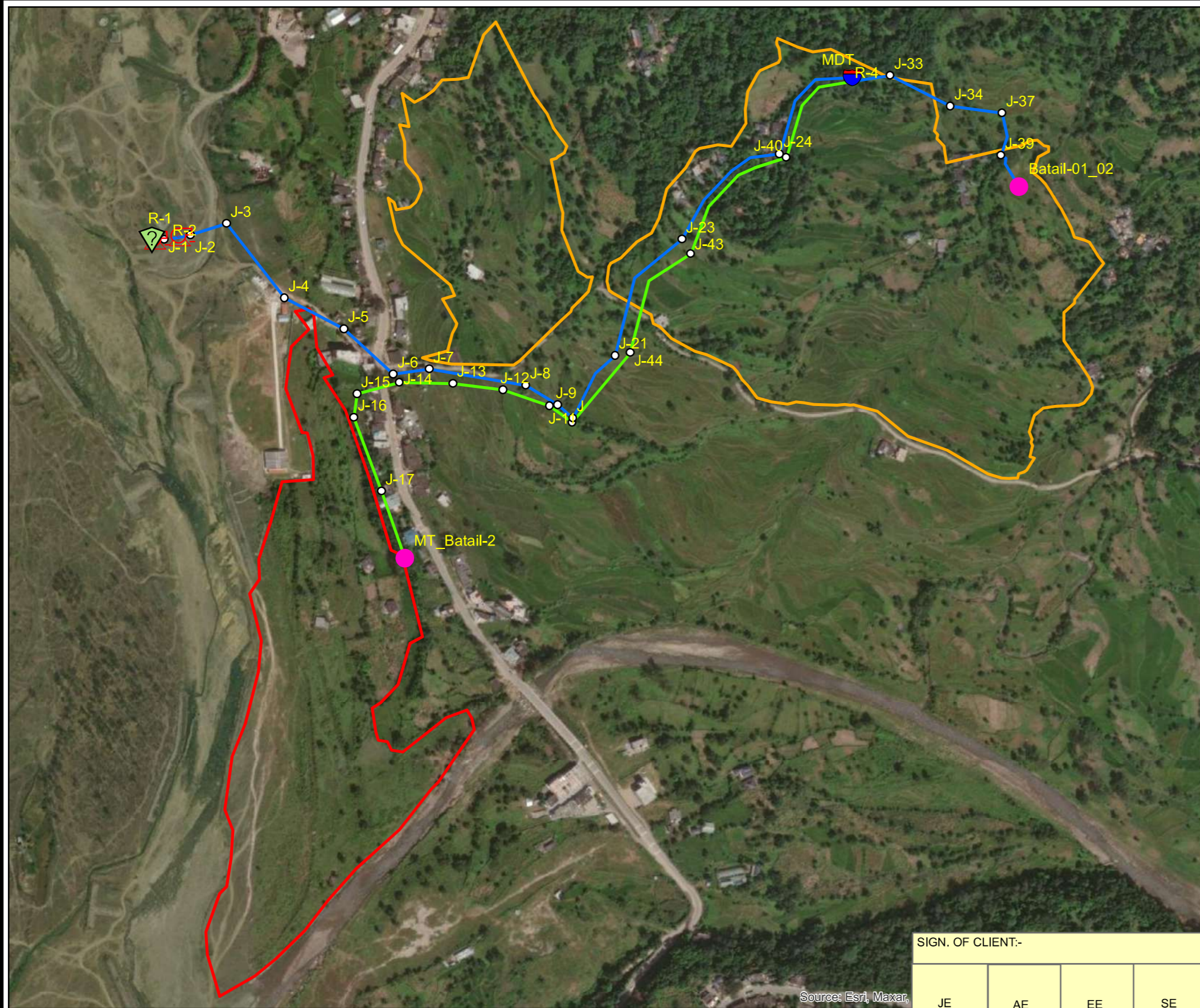
DL.CEN:- DEL-CV

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REVISIONS												
SIGN.												
	INITIALS	GKJ	MXL	DVB			MK	DK	02-05-2022			
REVISIONS												
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE	
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### Legend

- Source
- Pump
- Junction
- MDT
- MT
- Rising Main 150mm Dia GI Pipe
- Rising Main 125mm Dia GI Pipe
- Gravity Main 80mm Dia GI Pipe
- BATAIL\_1
- BATAIL\_2

Source: Esri, Maxar

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

**PURPOSE: FOR TENDER ONLY**

TITLE:- **NETWORK DRAWING FOR LIS FROM TW - 03  
(BATAIL - 1 & 2 CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT.**



**TATACONSULTING ENGINEERS LIMITED.  
MUMBAI**

P1	SIGN.											
	INITIALS	GKJ	MXL	DVB			MK	DK	22-07-2022			
	REVISIONS	As per Client Comments										
P0	SIGN.											
	INITIALS	GKJ	MXL	DVB			MK	DK	14-06-2022			
	REVISIONS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE	
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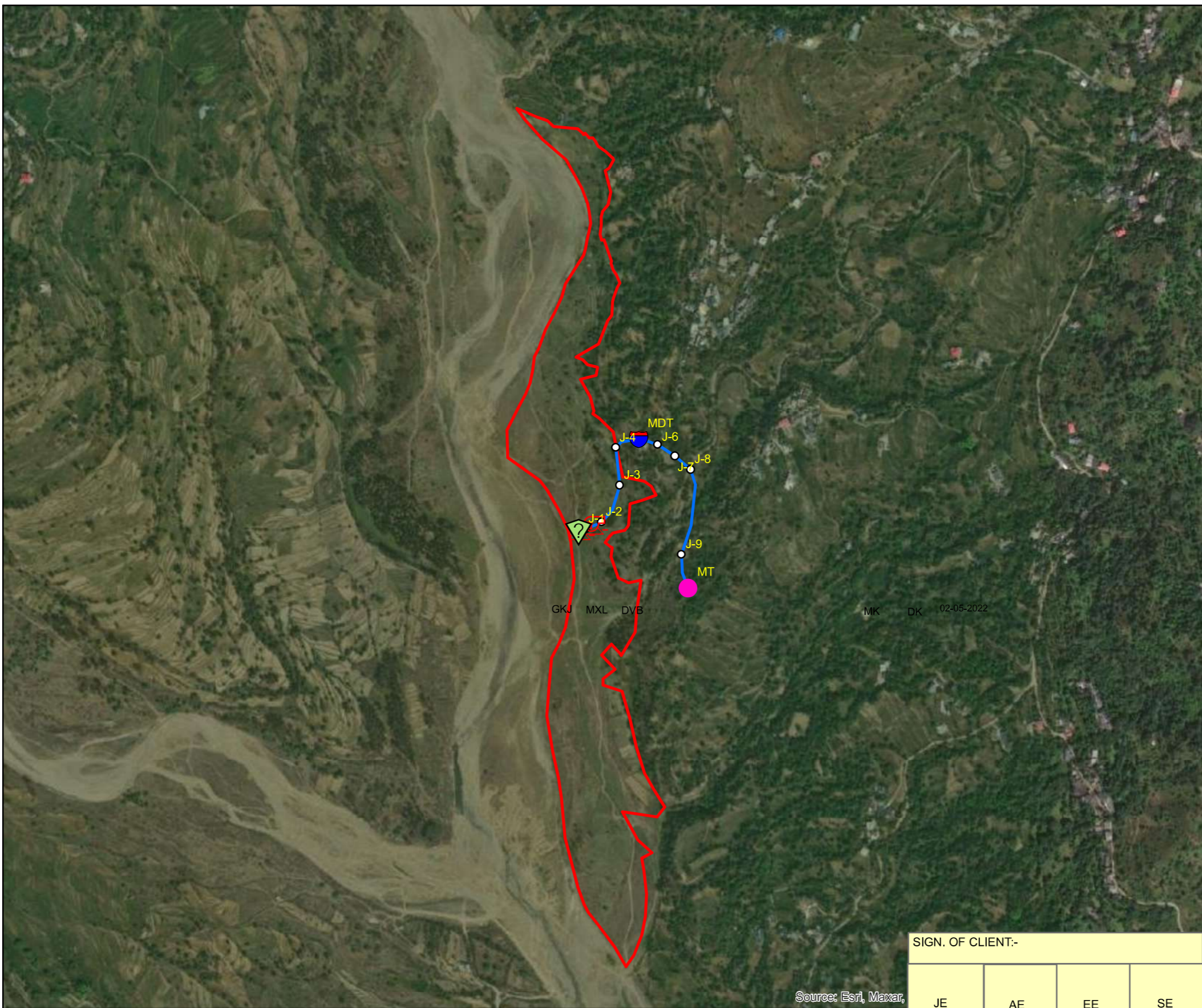
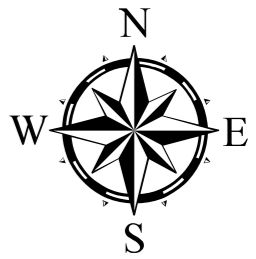
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File Name: 12503A-CV-32213-Rev-P1

SCALE:- 1:5,500	DWG. No:-	ISSUE:-
DL.CEN:- DEL-CV	TCE.12503A-CV-3082-WS-32213	P1



Source: Esri, Maxar,

### Legend

- Source
- Pump
- MDT
- MT
- Junction
- Rising Main 100mm Dia GI Pipe
- BAG\_CHUHKU Cluster

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

**PURPOSE: FOR TENDER ONLY**

TITLE:- **NETWORK DRAWING FOR LIS FROM TW - 4 (BAG-CHUHKU CLUSTER) GOPALPUR BLOCK, MANDI DISTRICT.**



**TATACONSULTING ENGINEERS LIMITED. MUMBAI**

SIGN.									
	INITIALS								
REVISIONS									
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	INITIALS	GKJ	MXL	DVB		MK	DK		
REVISIONS							02-05-2022		
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		
				CLEARED			PE/PM	APPD.	DATE

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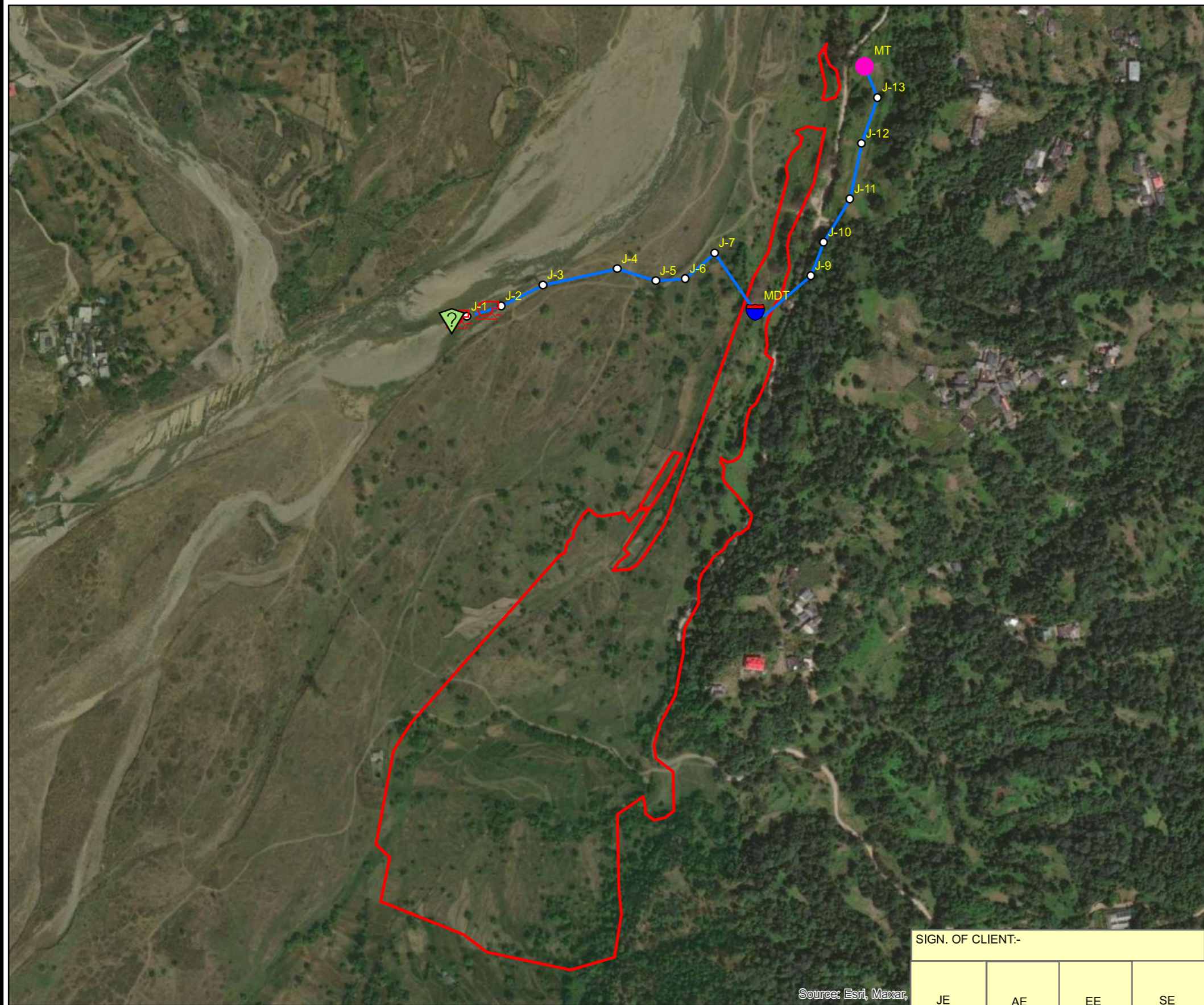
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File Name: 12503A-CV-32214-Rev-P0

SCALE:- 1:8,000	DWG. No:- TCE.12503A-CV-3082-WS-32214	ISSUE:- P0
DL.CEN.:- DEL-CV		



**Legend**

-  Source
-  Pump
-  Junction
-  MDT
-  MT
-  Rising Main 100mm Dia GI Pipe
-  MATAUR TANDA

Source: Esri, Maxar,

SIGN. OF CLIENT:-

JE	AE	EE	SE
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 **DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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	INITIALS										
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	INITIALS	GKJ	MXL	MK			MK	DK	02-05-2022		
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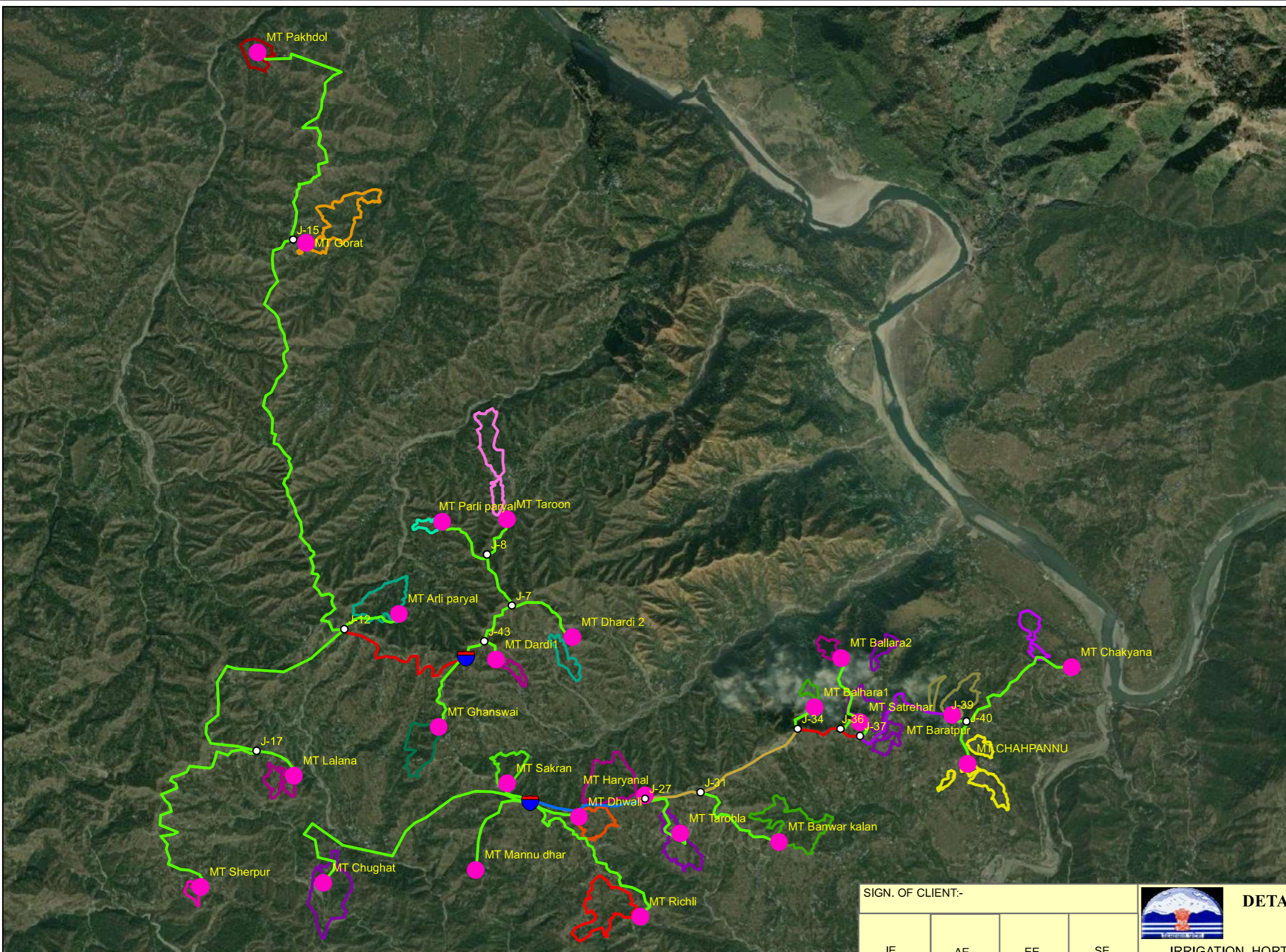
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File Name: 12503A-CV-32215-Rev-P0




TITLE:- NETWORK DRAWING FOR LIS INFILTRATION SEER KHAD (MATAUR TANDA CLUSTER) GOPALPUR BLOCK, MANDI DISTRICT.

 **TATACONSULTING ENGINEERS LIMITED. MUMBAI**

SCALE:- 1:5,500	DWG. No:- TCE.12503A-CV-3082-WS-32215	ISSUE:- P0
DL.CEN.:- DEL-CV		



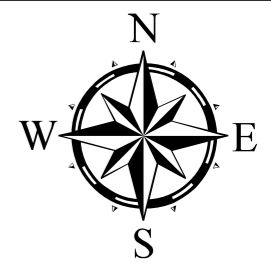
**Legend**

-  Reservoir
-  MT
-  Junction

**Pipe**

-  Gravity Main 80mm Dia GI Pipe
-  Gravity Main 90mm Dia GI Pipe
-  Gravity Main 125mm Dia GI Pipe
-  Gravity Main 150mm Dia GI Pipe
-  Rising Main 200mm Dia MS Pipe

-  PAKDHOL
-  GORAT
-  CHAKYANA
-  SHERPUR
-  SAKRAN\_DHAR
-  PARLI\_PARYAL
-  LALANA
-  BALHARA\_2
-  BALHARA\_1
-  BHARATPUR
-  DHARDI\_2
-  DHARDI\_1
-  BANWAAR\_KALAN
-  CHAPANU
-  TAROHLA
-  TARUN
-  DHAWALI
-  ARLI\_PARYAL
-  GHANSWAI
-  SATREHAR
-  HARAYNAL
-  RICHHLI
-  CHUGHAT



SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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	INITIALS												
REVISIONS													
SIGN.													
	INITIALS	GKJ	MXL	DVB				MK	DK	06-06-2022			
REVISIONS													
ISSUE		DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE	
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File Name: 12503A-CV-32216-Rev-P0

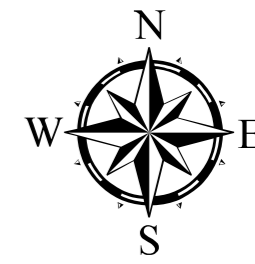
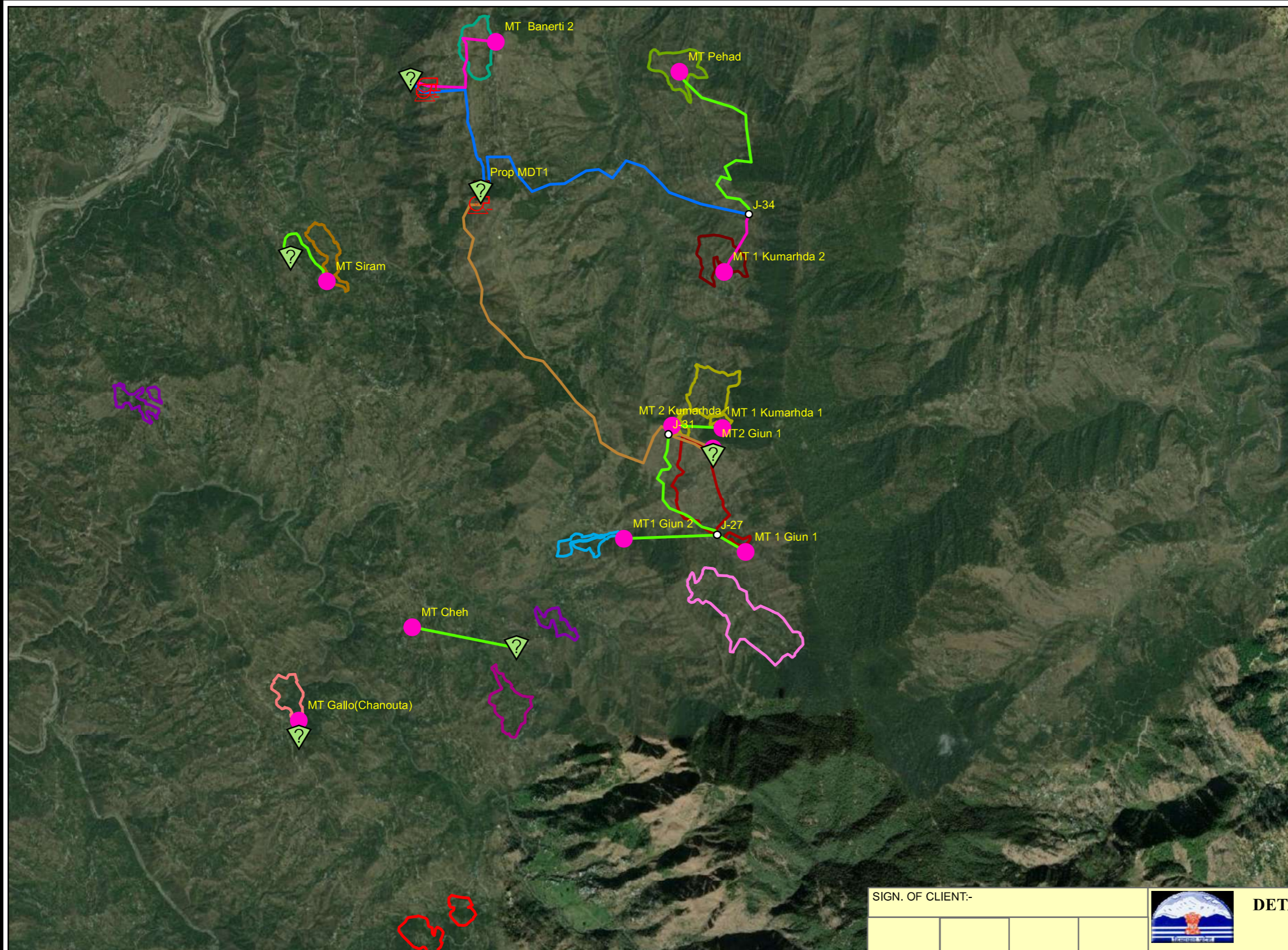
**TITILE:-** NETWORK DRAWING FOR LIS BARI MARHI DHWALI (RICHHLI, MANNU DHAR, HARYANAL, SATREHAR, GHANSWAI, AARLI-PARYAL, DHWALI, TAROHLA, TAROON, CHHAPANU, BANWAAR KALAN, DHARD- 1 & 2, BARATPUR, BALHARA-1&2, LALANA, PARLI PARYAL, SAKRAN DHAR, SHERPUR, CHAKYANA, CHUNIGHTAT), DHARAMPUR BLOCK, MANDI DISTRICT.



**TATACONSULTING ENGINEERS LIMITED.  
MUMBAI**

SCALE:- 1:40,000	DWG. No:-	ISSUE:-
DL.CEN:- DEL-CV	TCE.12503A-CV-3082-WS-32216	P0





**Legend**

- Reservoir
- Pump
- MDT
- MT
- Junction
- Gravity Main 80mm Dia GI Pipe
- Gravity Main 90mm Dia GI Pipe
- Gravity Main 125mm Dia GI Pipe
- Gravity Main 150mm Dia GI Pipe
- Rising Main 200mm Dia MS Pipe
- DARUMANN
- CHAH
- GUIN\_1
- GUIN\_2
- KUMARHDA
- CHATTER
- PEHAD-2
- Banerti\_2
- DEDHAL
- KUMARHDA-2
- HIUN
- TRAMABLA
- SIRAM
- GALL00
- TAUR\_JAJAR

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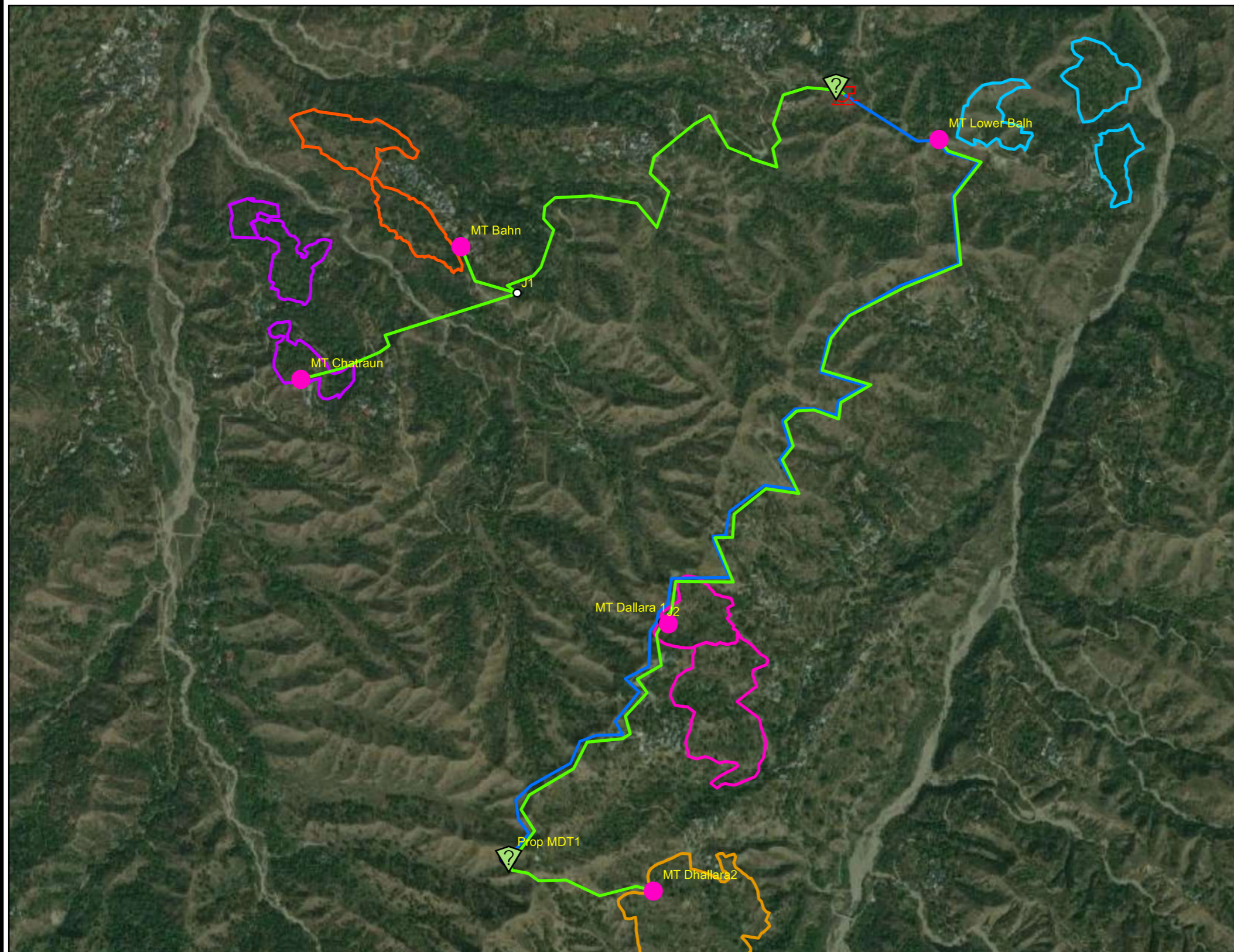
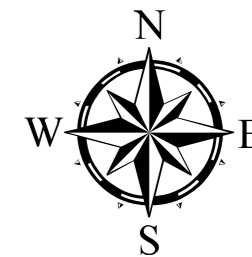
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File Name: 12503A-CV-32217-Rev-P0			

		<b>DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)</b>	
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT			
TITLE:- NETWORK DRAWING FOR LIS BAROTI MANDAP JODDAN (TOURJAJAR, CHAH, GALLOO, SIRAM, TREMBALA, HIUN, PEHAD-2, CHHATER, DRUMMAN, KUMARHDA-1 & 2, GIUN, DIDNU (DEDHAL), BANERTI-2), DHARAMPUR BLOCK, MANDI DISTRICT.			
		<b>TATACONSULTING ENGINEERS LIMITED. MUMBAI</b>	
SCALE:- 1:40,000	DWG. No:-	ISSUE:-	
DL.CEN:- DEL-CV	TCE.12503A-CV-3082-WS-32217	P0	



Source: Esri, Maxar,

### Legend

-  Reservoir
-  Pump
-  MDT
-  MT
-  Junction
-  Rising Main 125mm Dia GI Pipe
-  Gravity Main 80mm Dia GI Pipe
-  CHATRAUN\_LOWER
-  LOWER\_BALH
-  DHALARA-1
-  DHALARA-2
-  BAHN

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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	INITIALS										
REVISIONS											
SIGN.											
	INITIALS	GKJ	MXL	DVB				MK	DK	06-06-2022	
REVISIONS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE
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**PURPOSE: FOR TENDER ONLY**

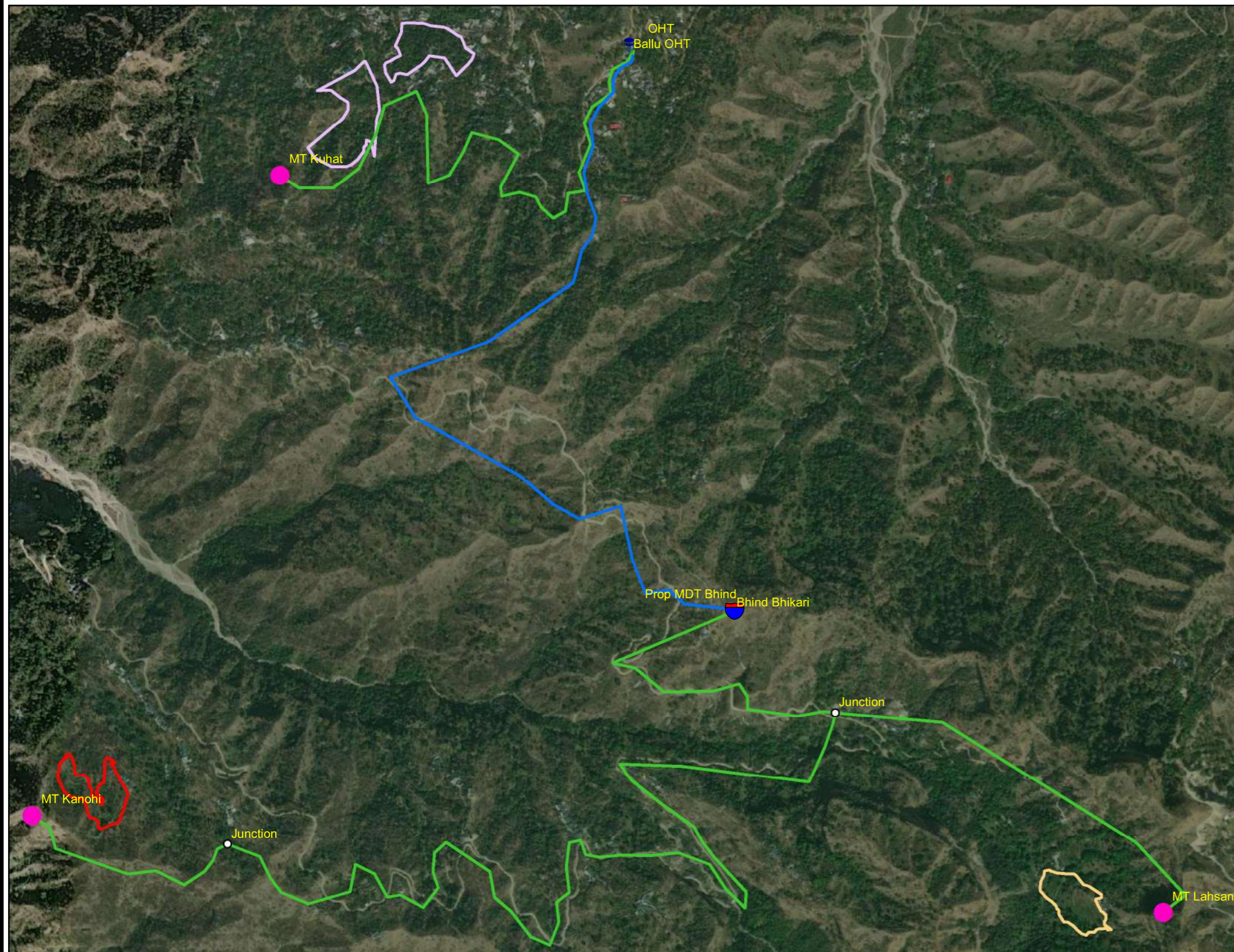
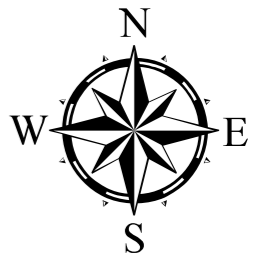
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File Name: 12503A-CV-32218-Rev-P0













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SCALE:- 1:14,000	DWG. No:-	ISSUE:-
DL.CEN.:- DEL-CV	TCE.12503A-CV-3082-WS-32218	P0



### Legend

-  Prop MDT Bhind
-  Pump
-  MT
-  OHT
-  Junction
-  Rising Main 100mm Dia GI Pipe
-  Gravity Main 80mm Dia GI Pipe
-  KANOHI
-  LAHSANI
-  KUTH

Source: Esri, Maxar,

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

**PURPOSE: FOR TENDER ONLY**

TITLE:- **NETWORK DRAWING FOR LIS SANDHOLE  
(SINGLE KUHAT, KANOHI, LAHSANI),  
DHARAMPUR BLOCK, MANDI DISTRICT.**



**TATACONSULTING ENGINEERS LIMITED.  
MUMBAI**

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	INITIALS	GKJ	MXL	DVB				MK	DK	06-06-2022			
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ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD.	DATE	
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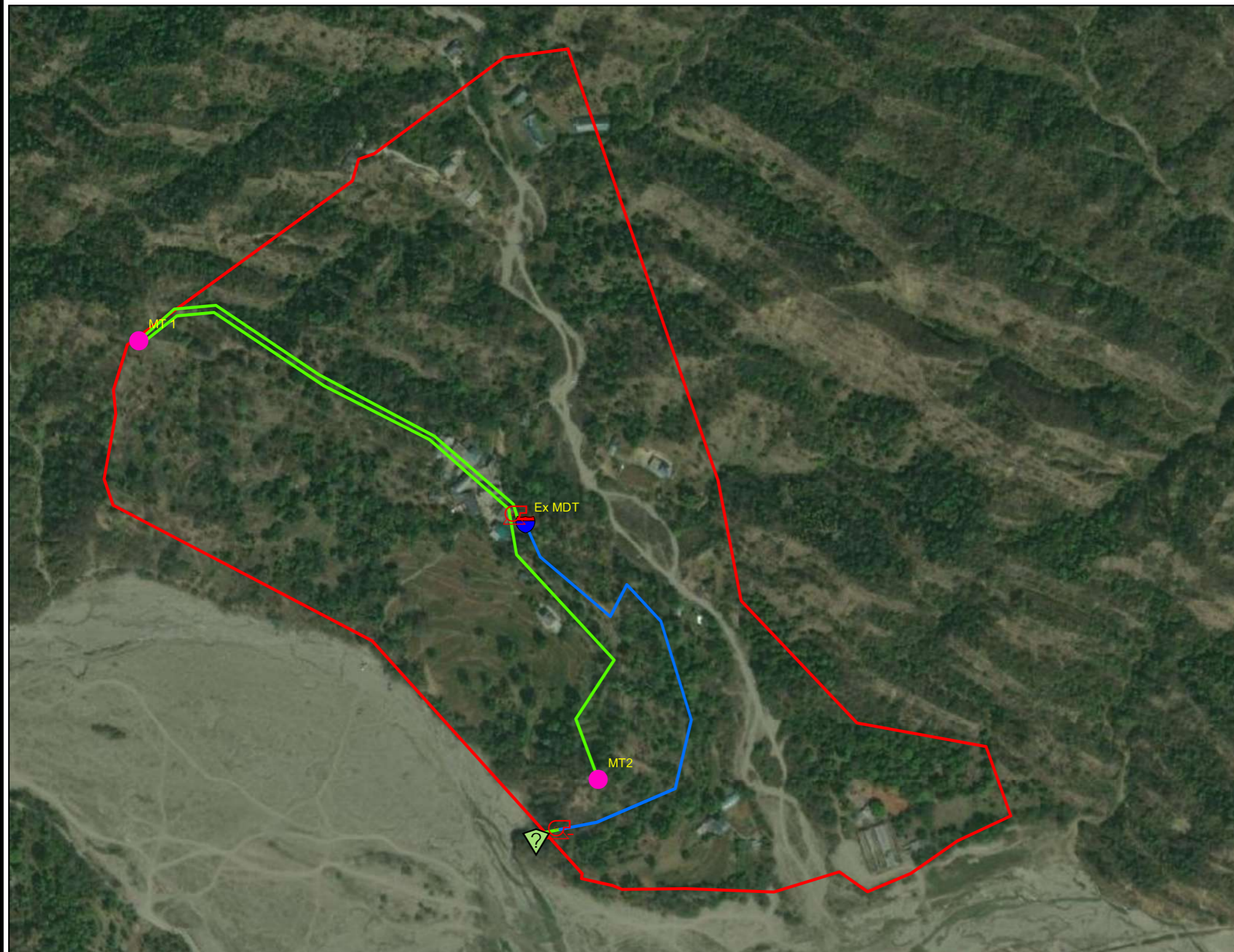
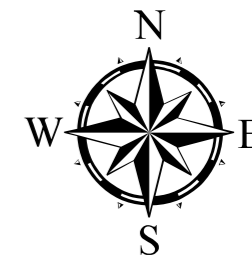
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File Name: 12503A-CV-32219-Rev-P0

SCALE:- 1:12,000	DWG. No:-	ISSUE:-
DL.CEN.:- DEL-CV	TCE.12503A-CV-3082-WS-32219	P0



### Legend

-  Source
-  Pump
-  MDT
-  MT
-  Rising Main 90mm Dia GI Pipe
-  Gravity Main 90mm Dia GI Pipe
-  CHURUBALA

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**  
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REVISIONS							
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REVISIONS							
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME
				CLEARED			PE/PM
							DATE

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06-06-2022

### PURPOSE: FOR TENDER ONLY

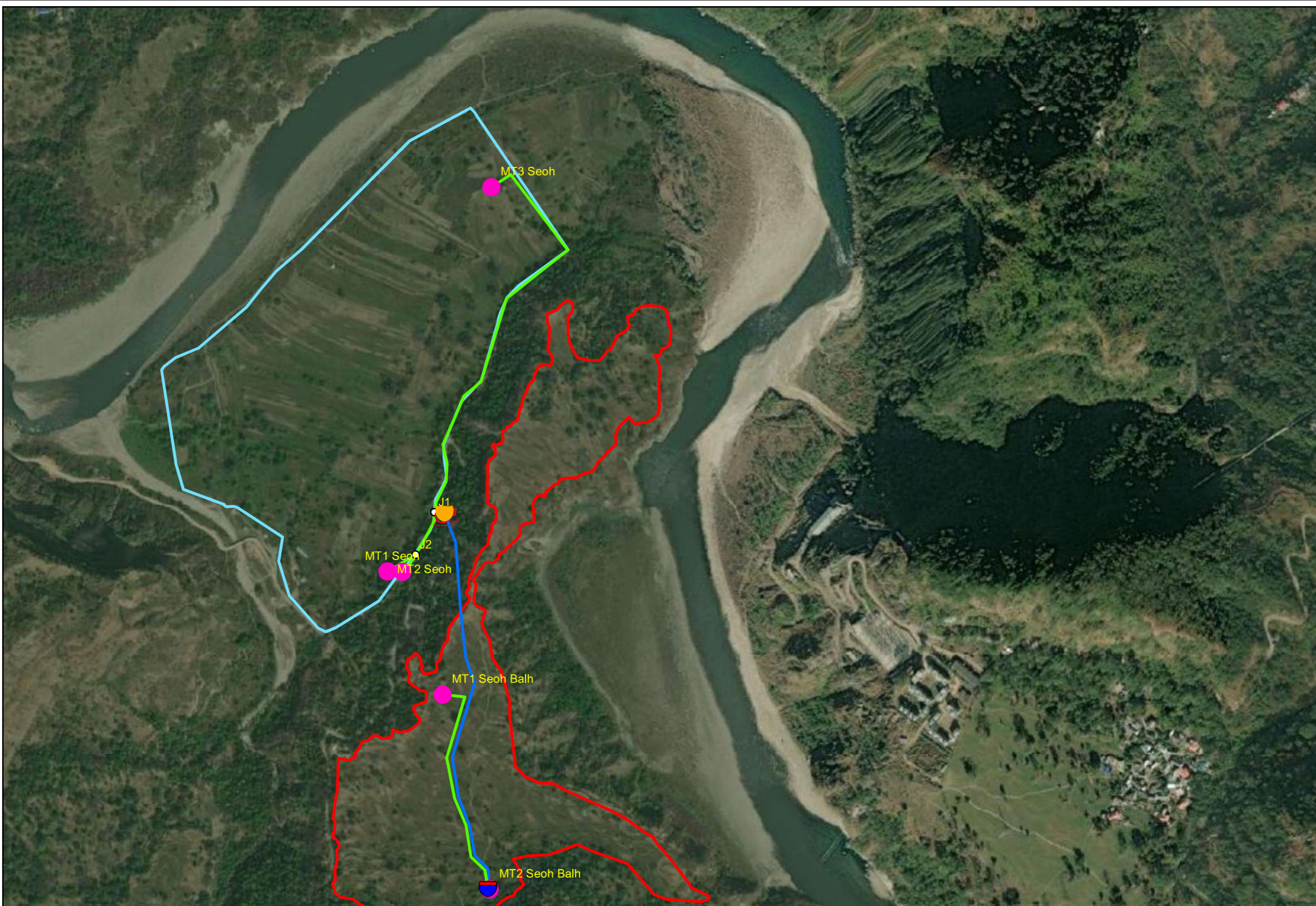
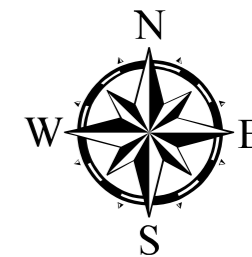
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File Name: 12503A-CV-32220-Rev-P0











TITLE:- **NETWORK DRAWING FOR LIS CHURU BALH  
(CHURU RA BALH CLUSTER)  
DHARAMPUR BLOCK, MANDI DISTRICT.**


**TATACONSULTING ENGINEERS LIMITED.  
MUMBAI**

SCALE:- 1:4,000	DWG. No:- TCE.12503A-CV-3082-WS-32220	ISSUE:- P0
DL.CEN.:- DEL-CV		



### Legend

-  Exis MDT 20 kl\_Prop MDT-1
-  Prop MDT-2
-  Pump
-  Junction
-  MT
-  Rising Main 100mm Dia GI Pipe
-  Rising Main 90mm Dia GI Pipe
-  Gravity Main 80mm Dia GI Pipe
-  SEOH BALH
-  SEOH-II

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**  
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	INITIALS	GKJ	MXL	DVB			MK	DK	06-06-2022		
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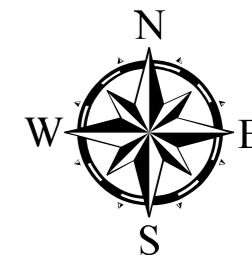
File Name: 12503A-CV-32221-Rev-P0

TITLE:- **NETWORK DRAWING FOR LIS SEOH  
(SEOH - II & SEOH BALH CLUSTER),  
DHARAMPUR BLOCK, MANDI DISTRICT.**
















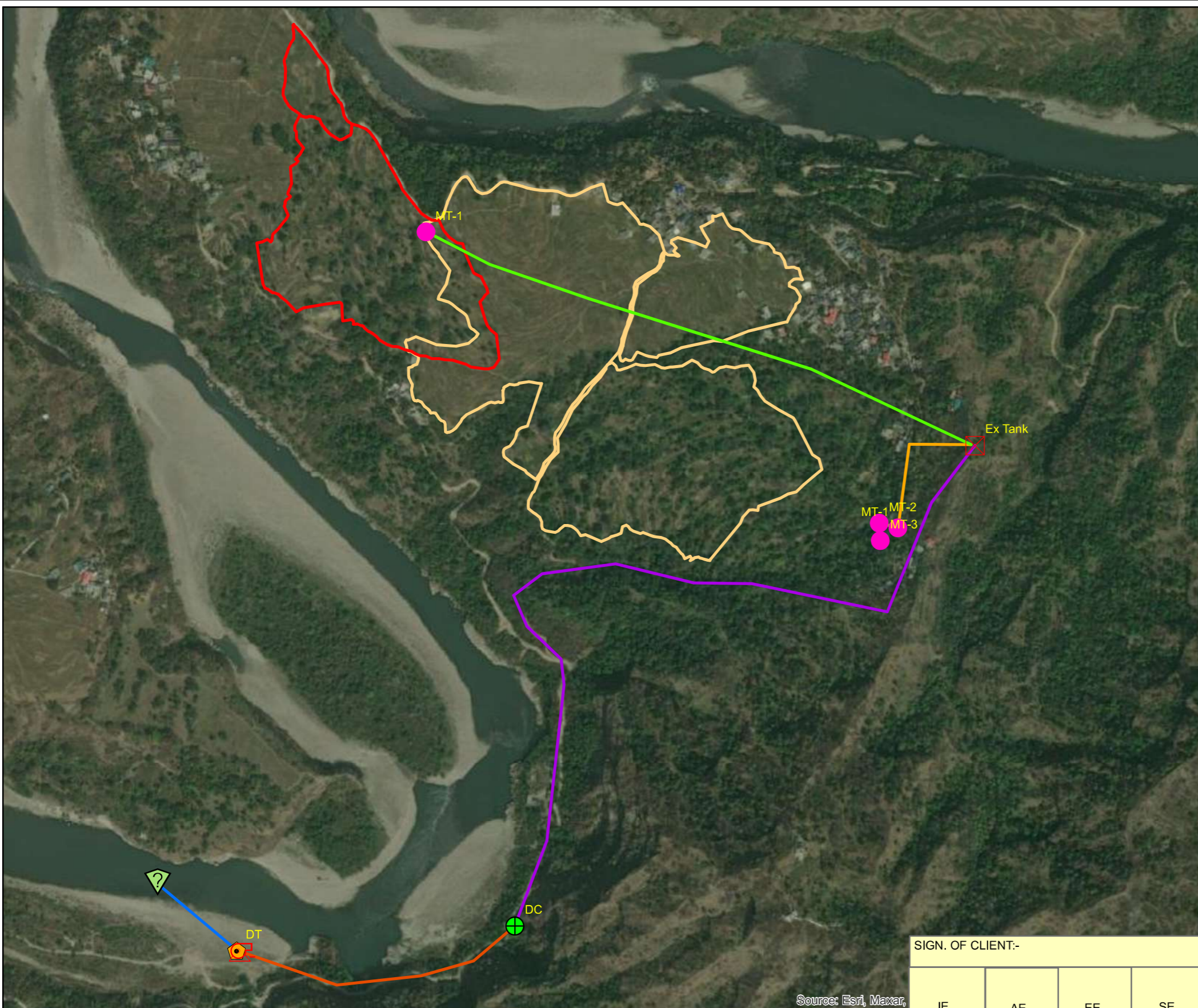
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SCALE:- 1:8,000	DWG. No:-	ISSUE:-
DL.CEN:- DEL-CV	TCE.12503A-CV-3082-WS-32221	P0



### Legend

-  Source
-  Pump
-  DC
-  DT
-  MT
-  Tank
-  Gravity Main 80mm Dia GI Pipe
-  Gravity Main 90mm Dia GI Pipe
-  Rising Main 200mm Dia MS Pipe
-  Rising Main 250mm Dia MS Pipe
-  Rising Main 300mm Dia MS Pipe
-  NICHLI\_BERI
-  UPPERBERI



Source: Esri, Maxar,

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**

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P0	GKJ	MXL	DVB				MK	DK	06-06-2022		
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ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE
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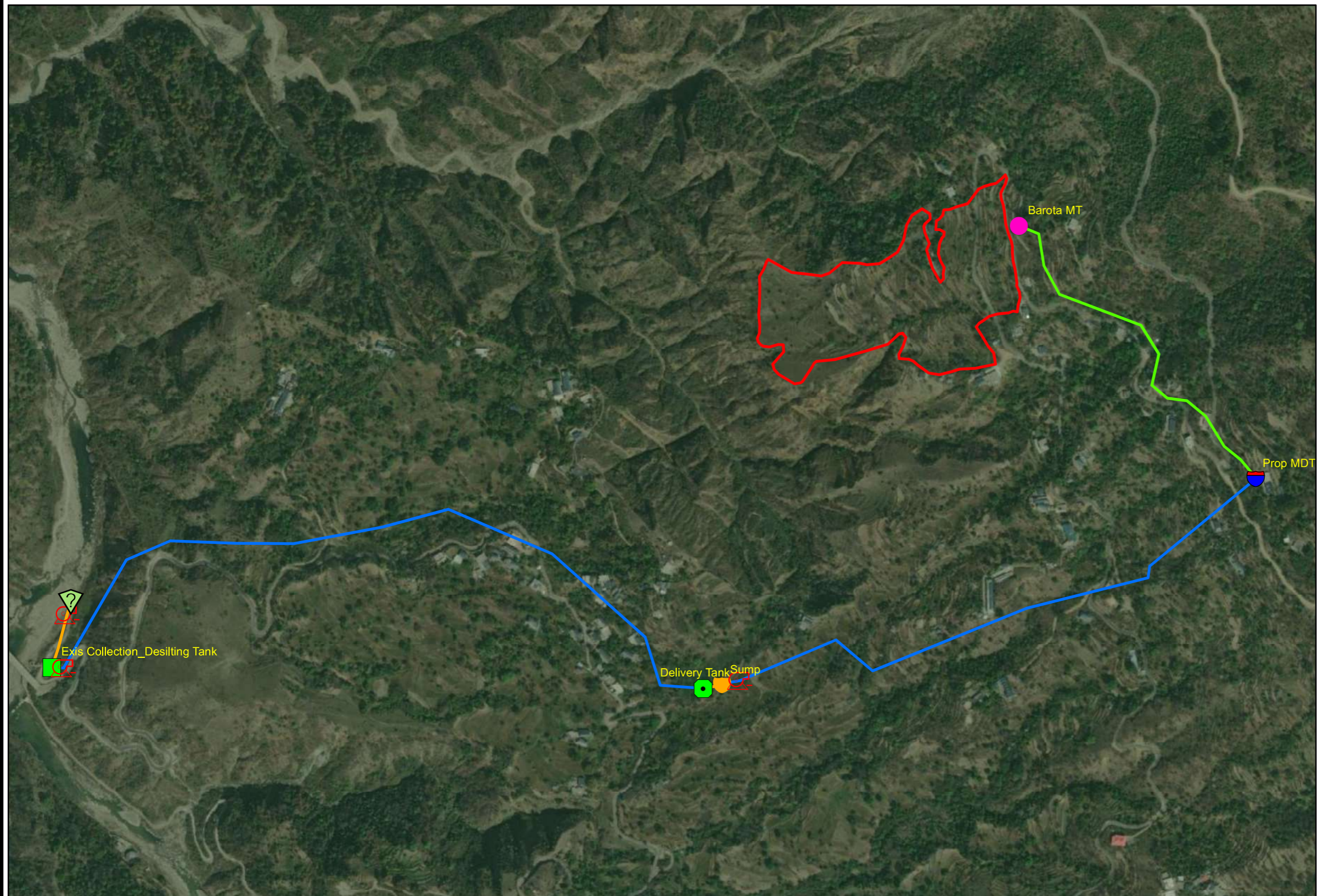
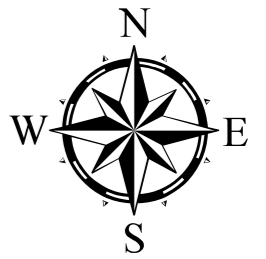
File Name: 12503A-CV-32222-Rev-P0

TITLE:- **NETWORK DRAWING FOR LIS BAIRI (NICHALI & UPPER BAIRI CLUSTER), DHARAMPUR BLOCK, MANDI DISTRICT.**



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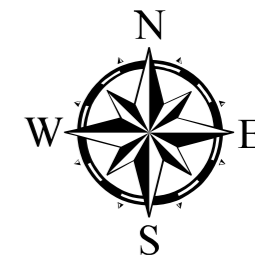
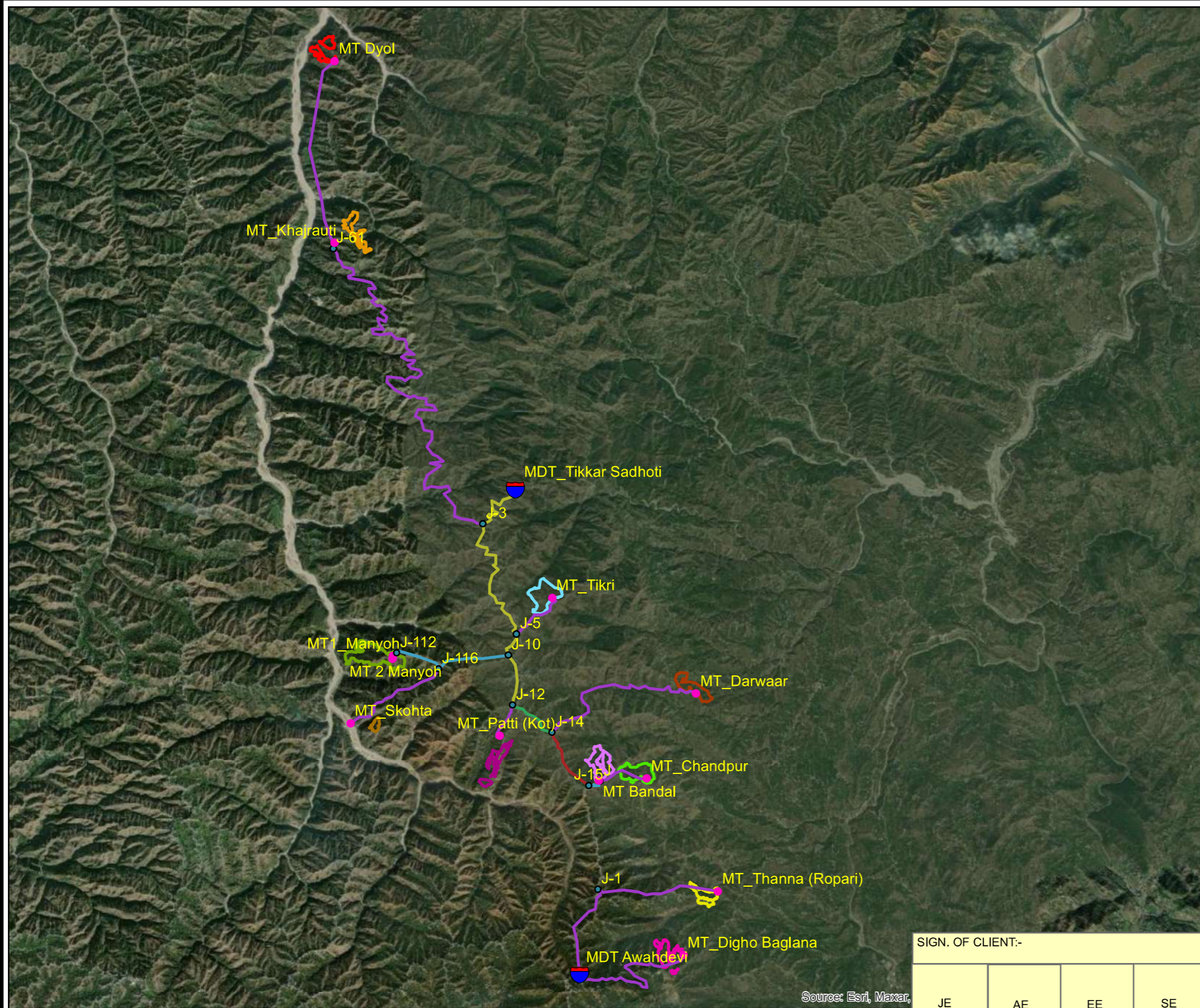
SCALE:- 1:8,000	DWG. No:- TCE.12503A-CV-3082-WS-32222	ISSUE:- P0
DL.CEN.:- DEL-CV		


















### Legend

- Source
- Pump
- DT
- MDT
- MT
- Sump
- Tank
- Rising Main 350mm Dia MS Pipe
- Gravity Main 110mm Dia GI Pipe
- Gravity Main 80mm Dia GI Pipe
- BAROTA

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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">JE</td> <td style="width: 25%;">AE</td> <td style="width: 25%;">EE</td> <td style="width: 25%;">SE</td> </tr> </table>															JE	AE	EE	SE	<b>PURPOSE: FOR TENDER ONLY</b> <small>Proprietary Notice and Version Control This document contains confidential information for use only by the "Client"; for the Project under consideration, which is provided for the sole purpose of permitting the recipient to evaluate the information submitted here with. In consideration of receipt of this document; unless agreed to in contrary in the Contract; the recipient agrees to maintain such information in confidence and to not reproduce or otherwise disclose this information to any person outside the recipient's organisation; except that there is no obligation to maintain the confidentiality of any information which was known to the recipient prior to receipt of such information from Tata Consulting Engineers Limited, or becomes publicly known through no fault of recipient, or Tata Consulting Engineers Limited, or is received without obligation of confidentiality from a third party owing no obligation of confidentiality to Tata Consulting Engineers Limited. All information given under this version over rides all and any kind of offers, assumptions, deliverables and contracts submitted verbally (and subsequently communicated in writing) or in writing or otherwise given under any and all previous version/s.</small>		TITLE:- <b>NETWORK DRAWING FOR LIS BRANG (BAROTA CLUSTER), DHARAMPUR BLOCK, MANDI DISTRICT.</b>																																										
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### Legend

-  Reservoir
-  MT
-  Junction
-  Gravity Main 80mm Dia GI Pipe
-  Gravity Main 90mm Dia GI Pipe
-  Gravity Main 100mm Dia GI Pipe
-  Gravity Main 150mm Dia GI Pipe
-  Gravity Main 200mm Dia MS Pipe
-  DYOL
-  TIKRI
-  CHANDPUR
-  BANDAL
-  KHAJURTI
-  SKOHTA
-  DIGHO\_BAGLANA
-  DARWAAR
-  KOT\_PATTI
-  THANNA\_ROPARI
-  MANYOH\_LAMBRI

Source: Esri, Maxar,

SIGN. OF CLIENT:-

JE	AE	EE	SE
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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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	INITIALS											
REVISIONS												
SIGN.												
	INITIALS	GKJ	MXL	DVB				MK	DK	06-06-2022		
REVISIONS												
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD.	DATE
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File Name: 12503A-CV-32224-Rev-P0

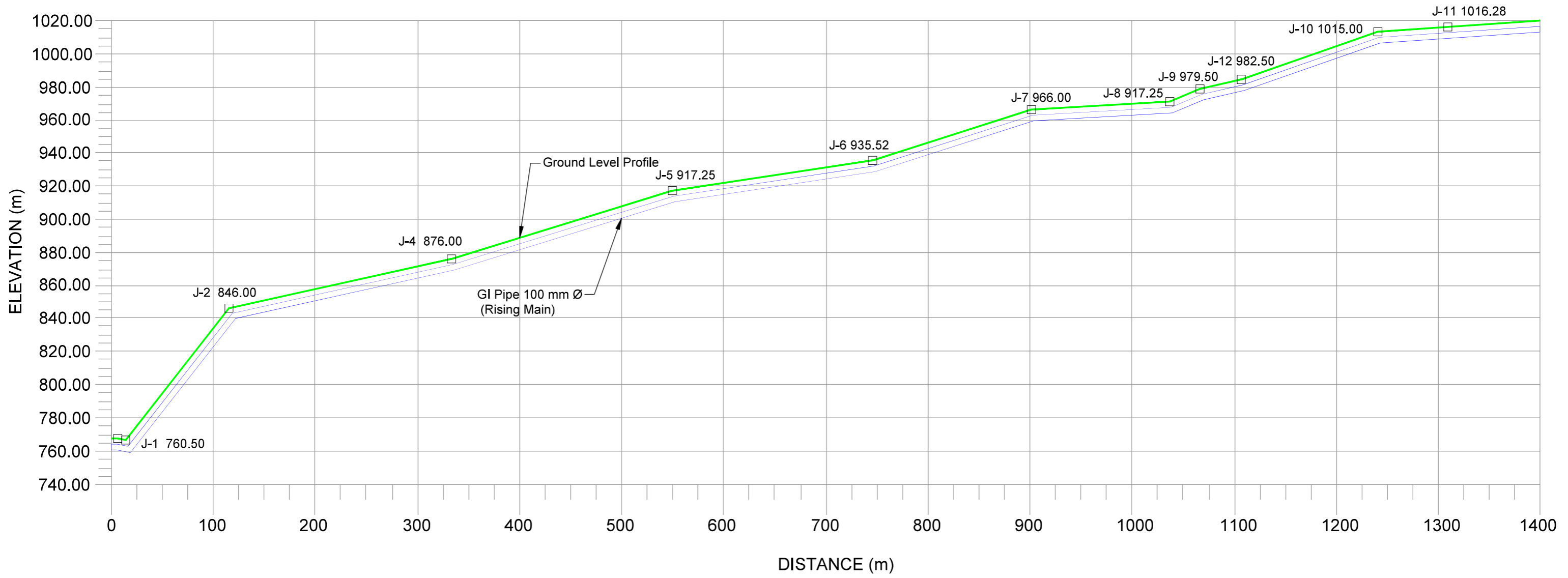
**TITLE:- NETWORK DRAWING FOR LIS TIHRA (PROPOSED)  
(MANYOH-LAMBRI, PATTI (KOT), DARWAAR, DIGHO-BAGLANA, SKOHTA, KHAJURTI, BANDAI, CHANDPUR, TIKRI, DYOL)), DHARAMPUR BLOCK, MANDI DISTRICT.**



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MUMBAI**

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DL.CEN.:- DEL-CV	TCE.12503A-CV-3082-WS-32224	P0





**Legend :-**

- 1. Ground Level —
- 2. Rising Main —
- 3. Junction
- 4. Air Valve
- 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
  - 2 - Scour Valves are Provided at 2000 m c/c Distance.
  - 3 - Above is Tentative Arrangement.
- Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

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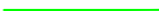




DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS GOLWAN  
CHAUNTARA BLOCK, MANDI DISTRICT

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

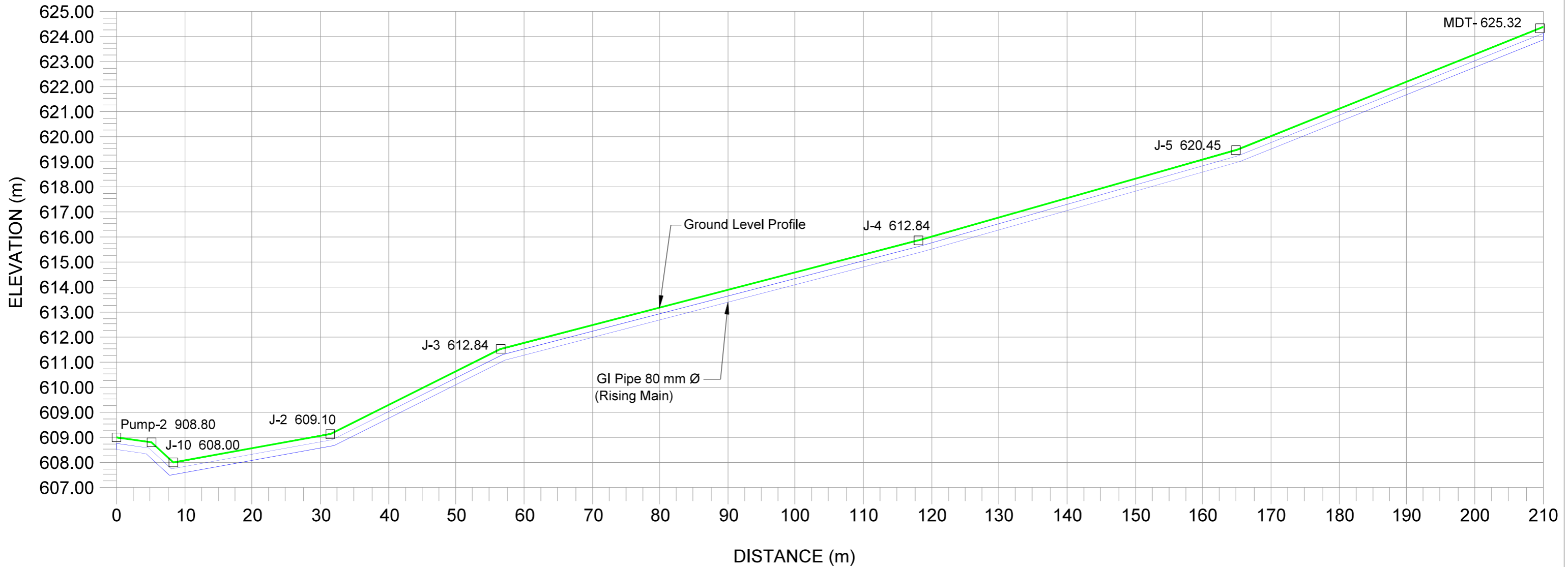
SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32351	ISSUE PO
DC & DISC: DEL-CV		

Legend :-

- 1. Ground Level 
- 2. Rising Main 
- 3. Junction 
- 4. Air Valve 
- 5. Scour Valve 

Note:-

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DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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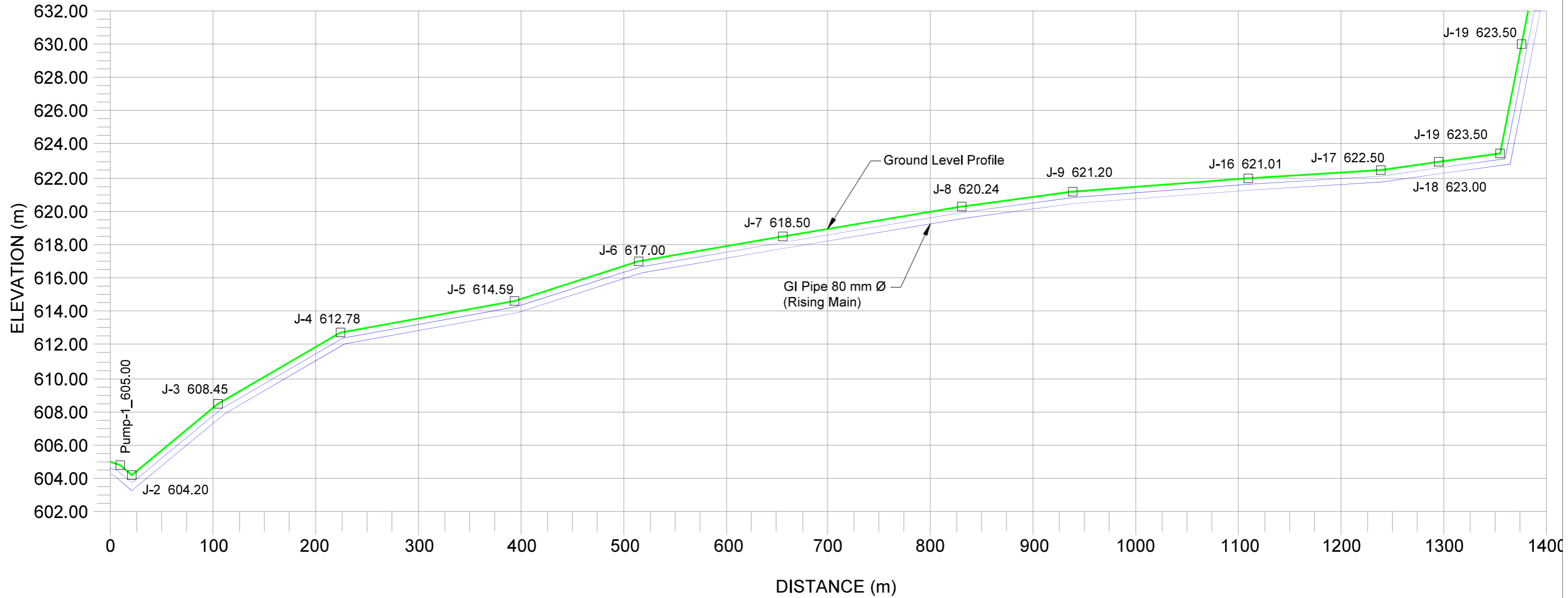
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**Legend :-**

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FILE NAME 12503A-CV-32353-Rev-P0

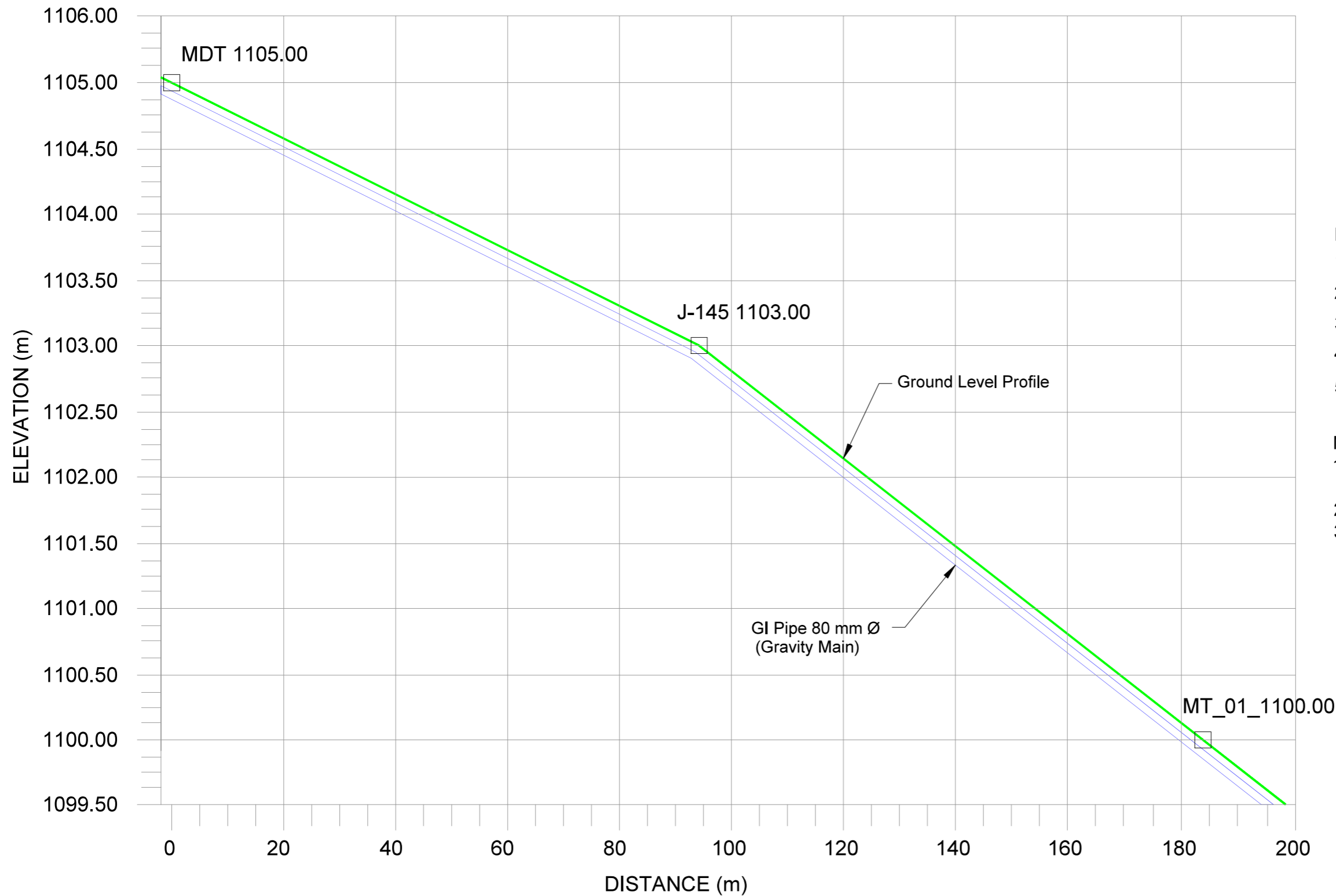
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IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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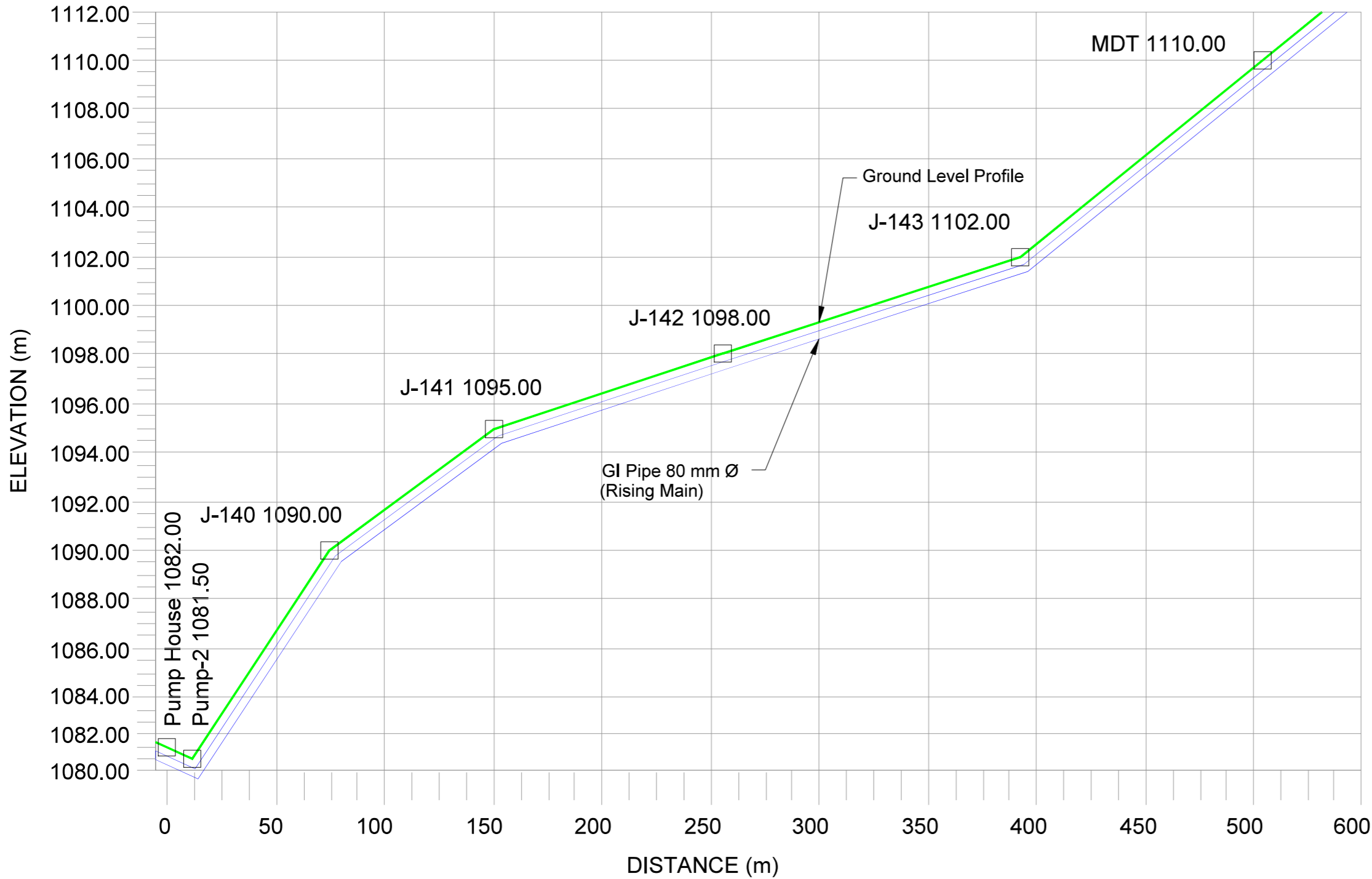
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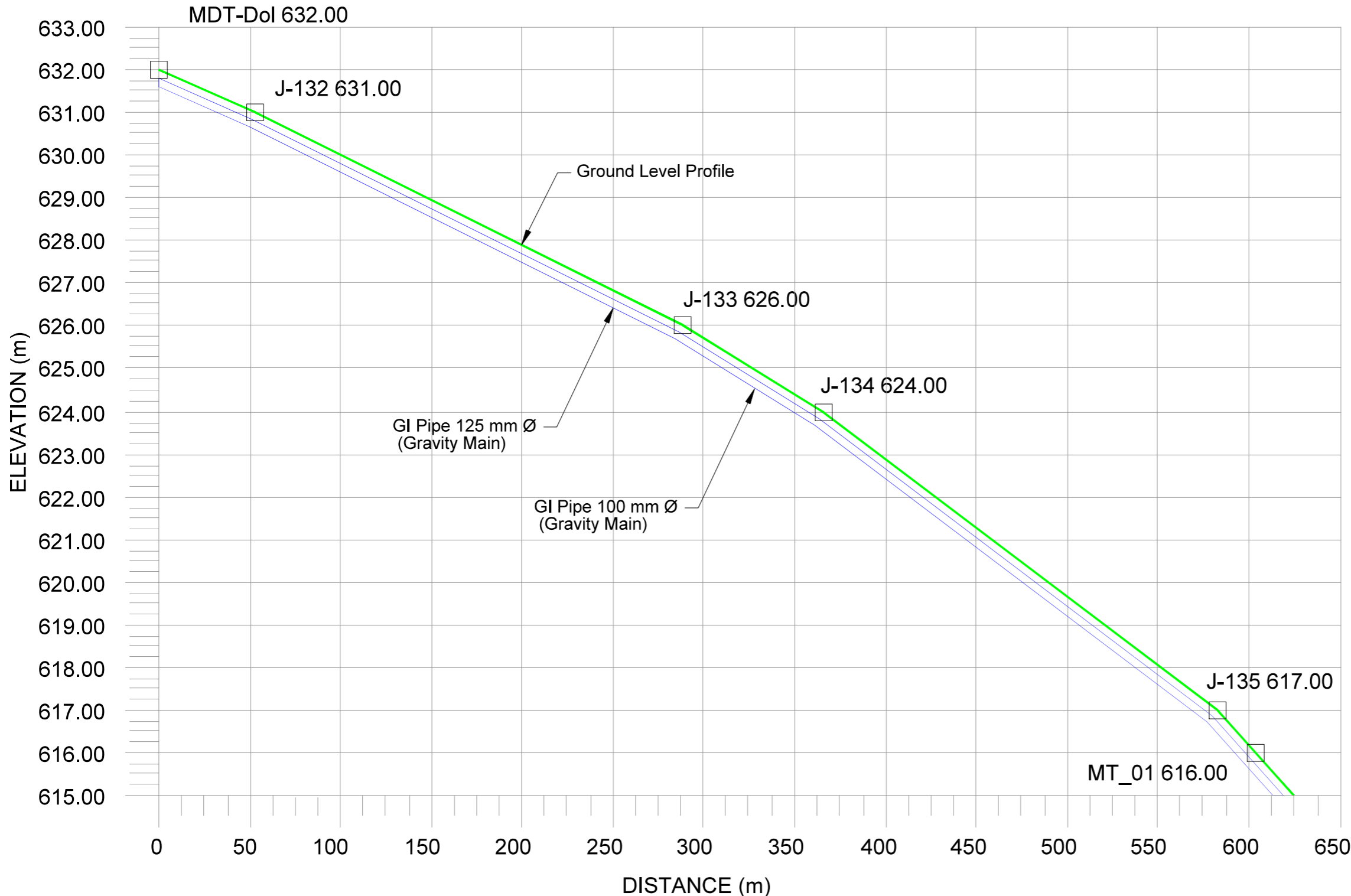
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IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS DHELU  
DEHLU (DHOG) CLUSTER  
CHAUNTARA BLOCK, MANDI DISTRICT (SHEET 2 OF 2)

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- Legend :-**
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  - 2. Rising Main
  - 3. Junction
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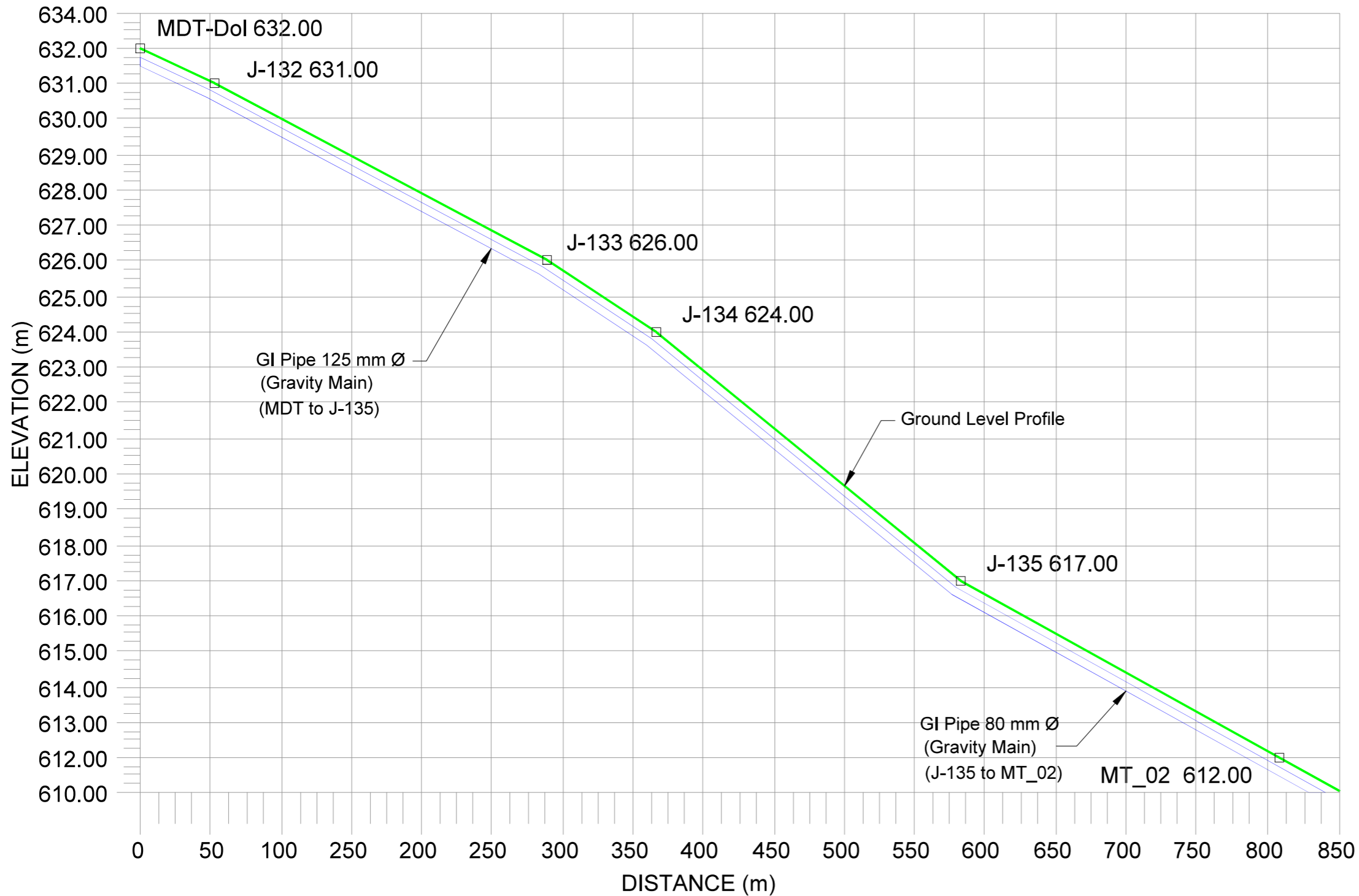
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IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS FROM TW-2, DOL CLUSTER  
CHAUNTARA BLOCK, MANDI DISTRICT  
(SHEET 1 OF 3)



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- Legend :-**
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  - 4. Air Valve
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**Note:-**

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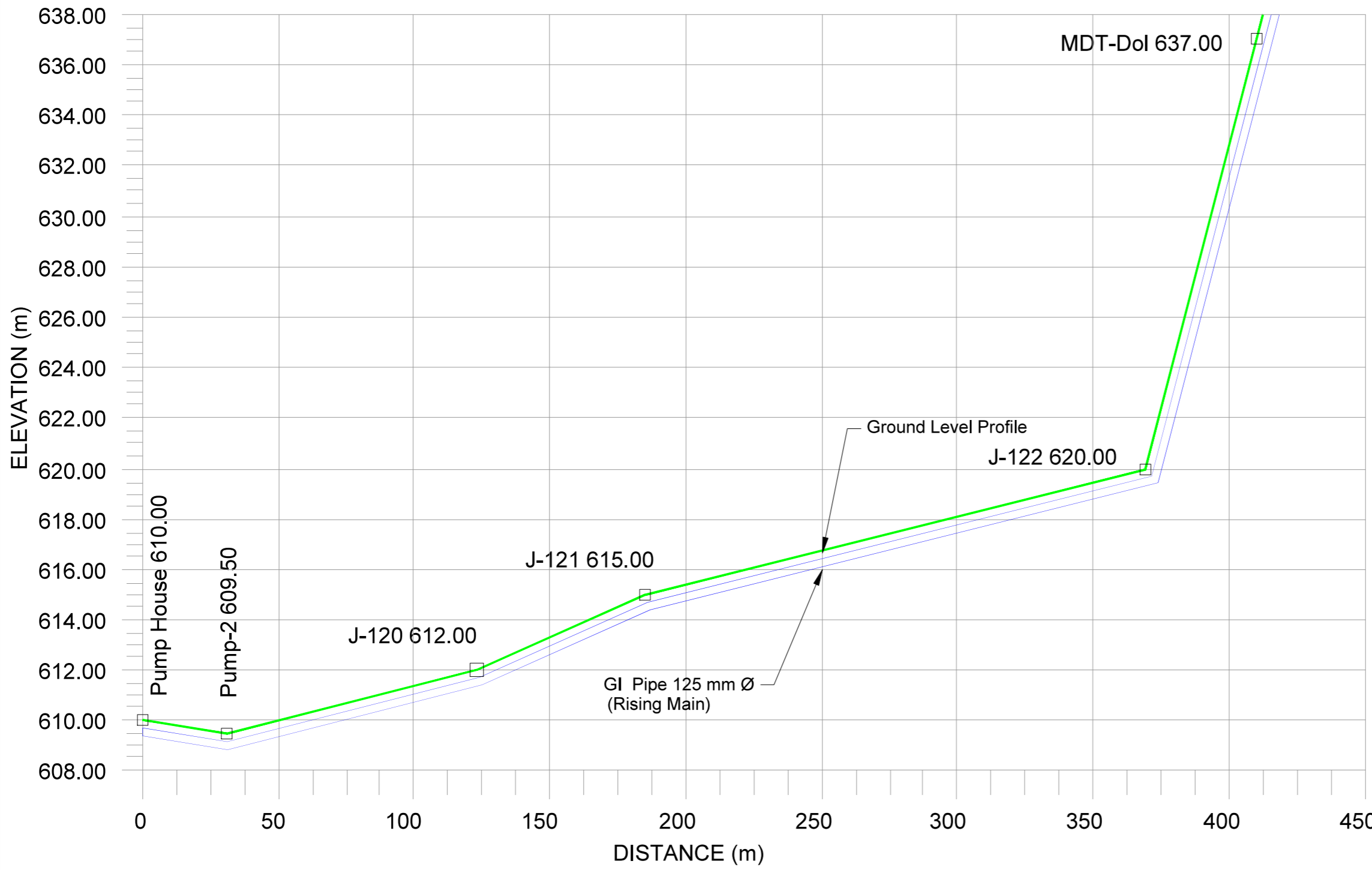
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PROPOSED L-SECTION-LIS FROM TW-2, DOL CLUSTER  
CHAUNTARA BLOCK, MANDI DISTRICT  
(SHEET 2 OF 3)

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SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32357	ISSUE P1
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- Legend :-**
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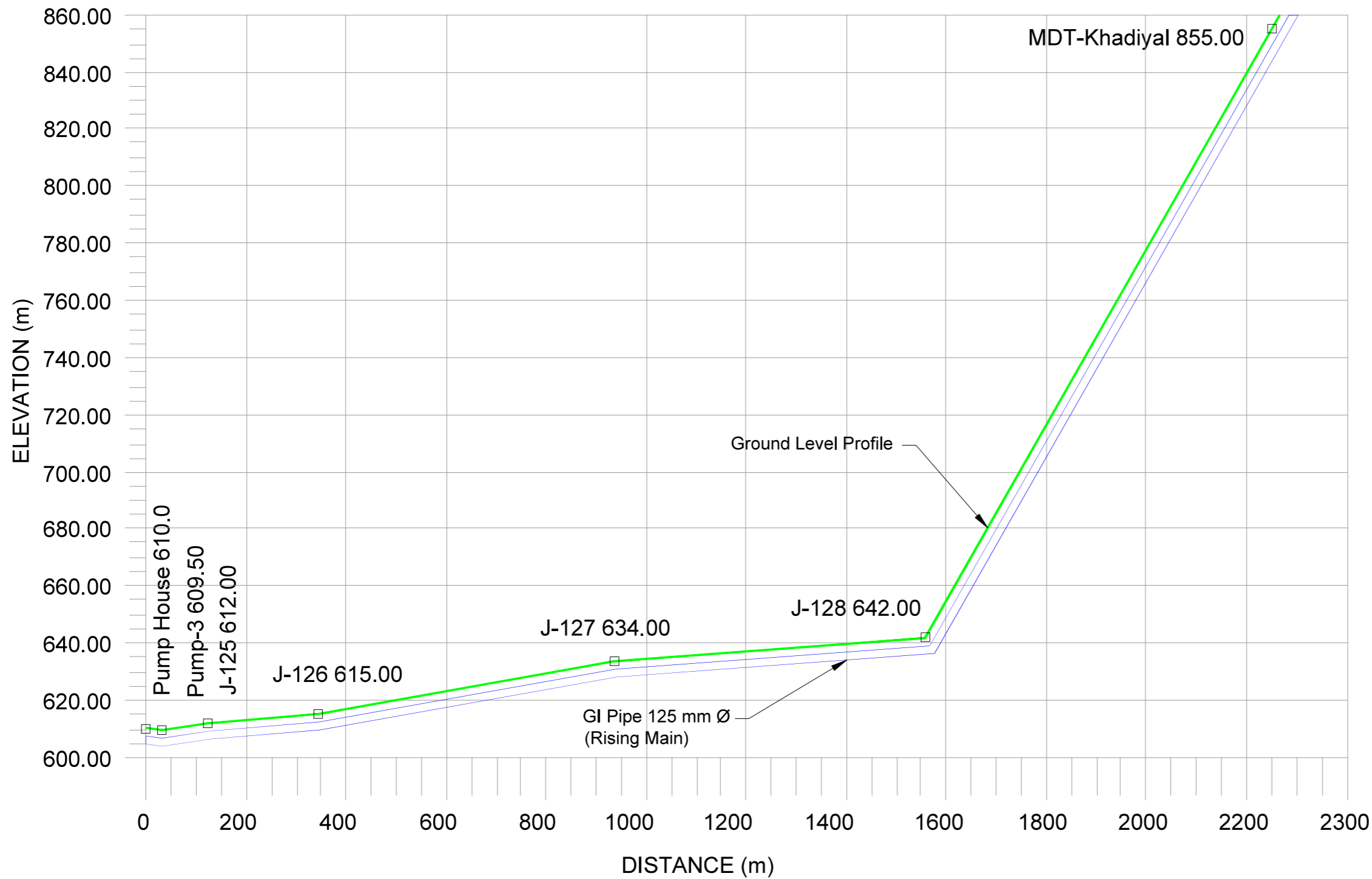
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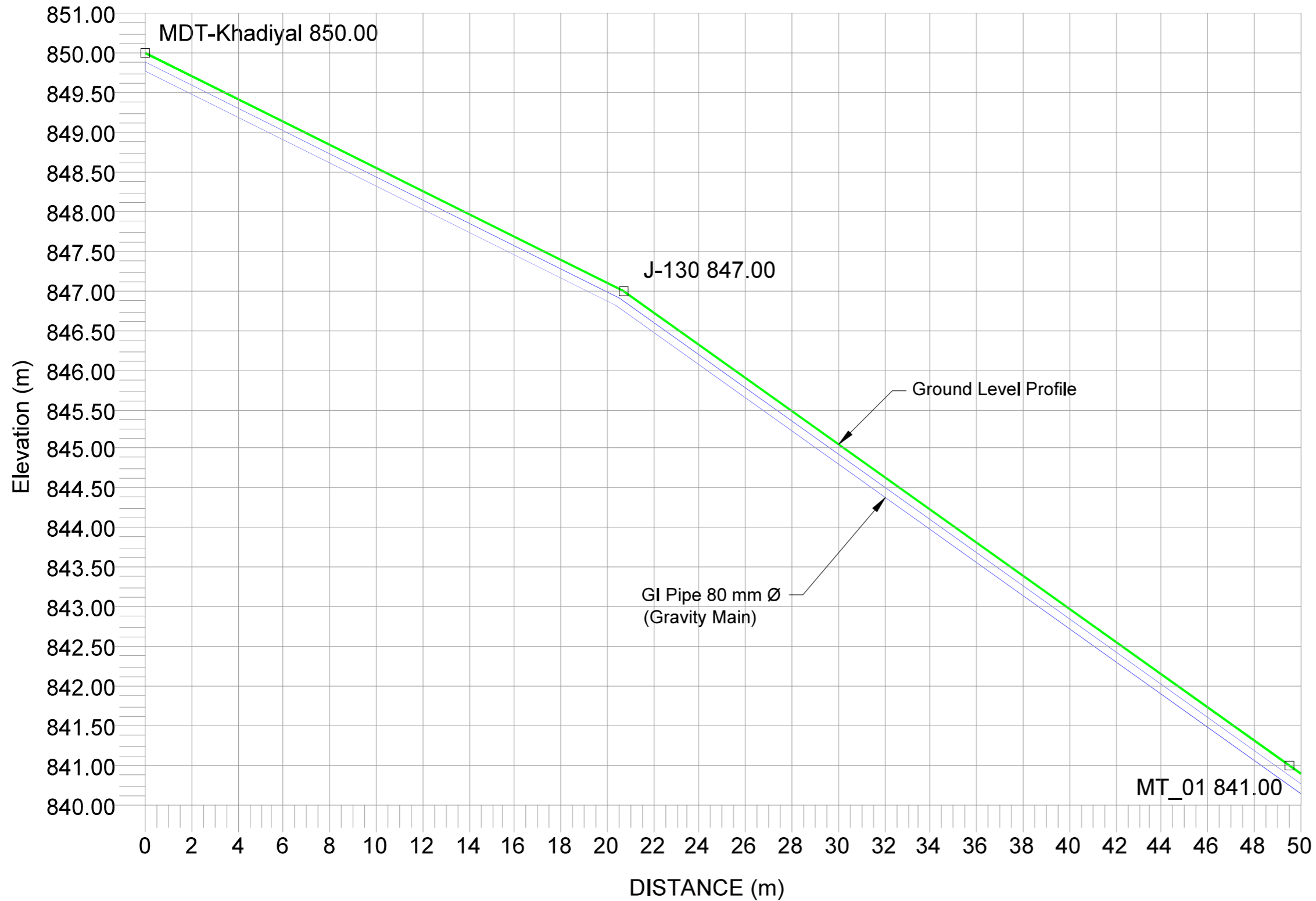
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FILE NAME 12503A-CV-32359-Rev-P1			

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS FROM TW-2, KHADIYAL CLUSTER  
CHAUNTARA BLOCK, MANDI DISTRICT  
(SHEET 1 OF 2)

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32359	ISSUE P1
DC & DISC: DEL-CV		



- Legend :-
- 1. Ground Level —
  - 2. Rising Main —
  - 3. Junction
  - 4. Air Valve
  - 5. Scour Valve

Note:-

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.



DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS FROM TW-2, KHADIYAL CLUSTER  
CHAUNTARA BLOCK, MANDI DISTRICT  
(SHEET 2 OF 2)



**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SIGN. OF CLIENT:-

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PURPOSE: FOR TENDER ONLY

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SCALE : NTS

DWG NO. TCE.12503A-CV-3082-WS-32360

ISSUE P1

FILE NAME 12503A-CV-32360-Rev-P1

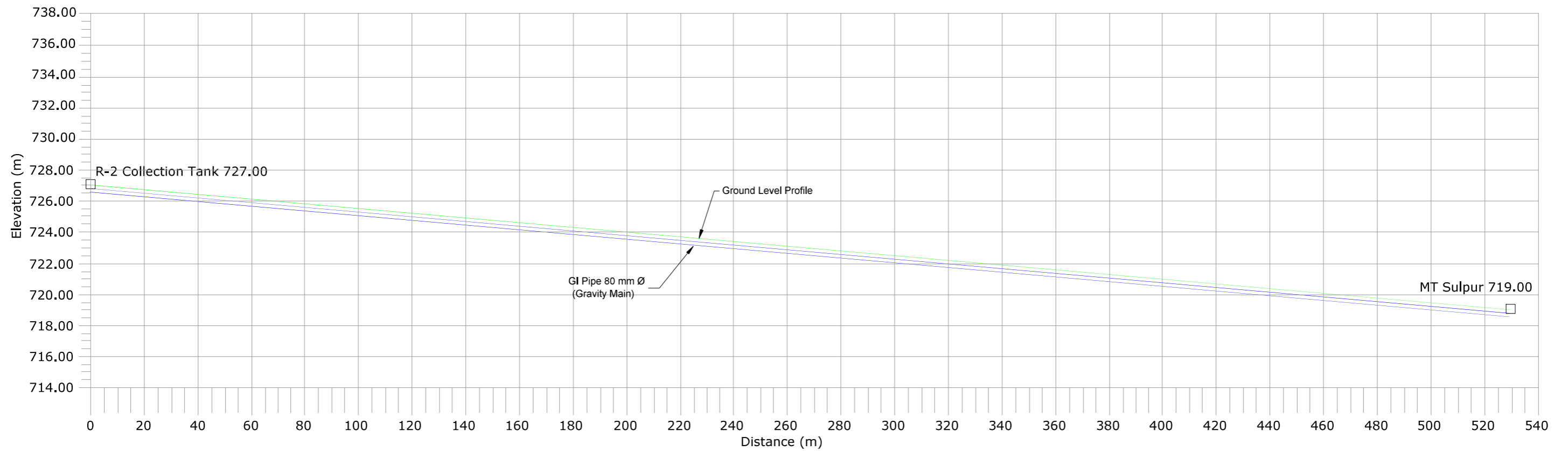
DC & DISC: DEL-CV

P1	SIGN.	SM	MJ	DVB						MK	DK	20-07-2022
	REVISIONS	AS PER CLIENT COMMENTS										
PO	SIGN.	BSN	DVB	DG						MK	DK	10-06-2022
	REVISIONS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE (dd-mm-yyyy)
				CLEARED								

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**Legend :-**

- 1. Ground Level —
- 2. Rising Main —
- 3. Junction
- 4. Air Valve
- 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

P1	SIGN.	BSN	DVB	SGB							MK	DK	22-07-2022
	REVISIONS	AS PER CLIENT COMMENTS											
P0	SIGN.	BSN	DVB	SGB							MK	DK	10-06-2022
	REVISIONS												
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE	(dd-mm-yyyy)
				CLEARED									

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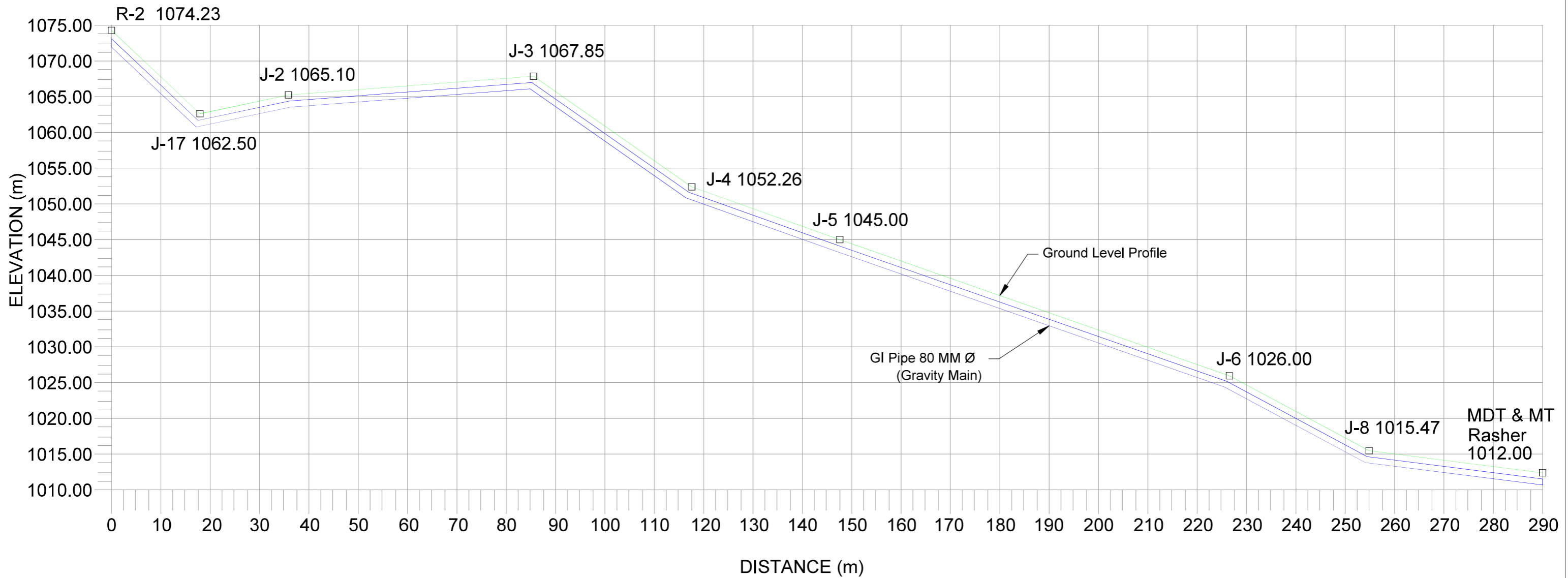
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FILE NAME 12503A-CV-32361-Rev-P1			

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS SULPUR BAHU  
(SULPUR CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32361	ISSUE P1
DC & DISC: DEL-CV		



**Legend :-**

- 1. Ground Level —
- 2. Rising Main —
- 3. Junction
- 4. Air Valve
- 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

P1	SIGN.	BSN	DVB	SGB						MK	DK	22-07-2022
	INITIALS	AS PER CLIENT COMMENTS										
PO	SIGN.	BSN	DVB	SGB						MK	DK	10-06-2022
	INITIALS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE
				CLEARED								

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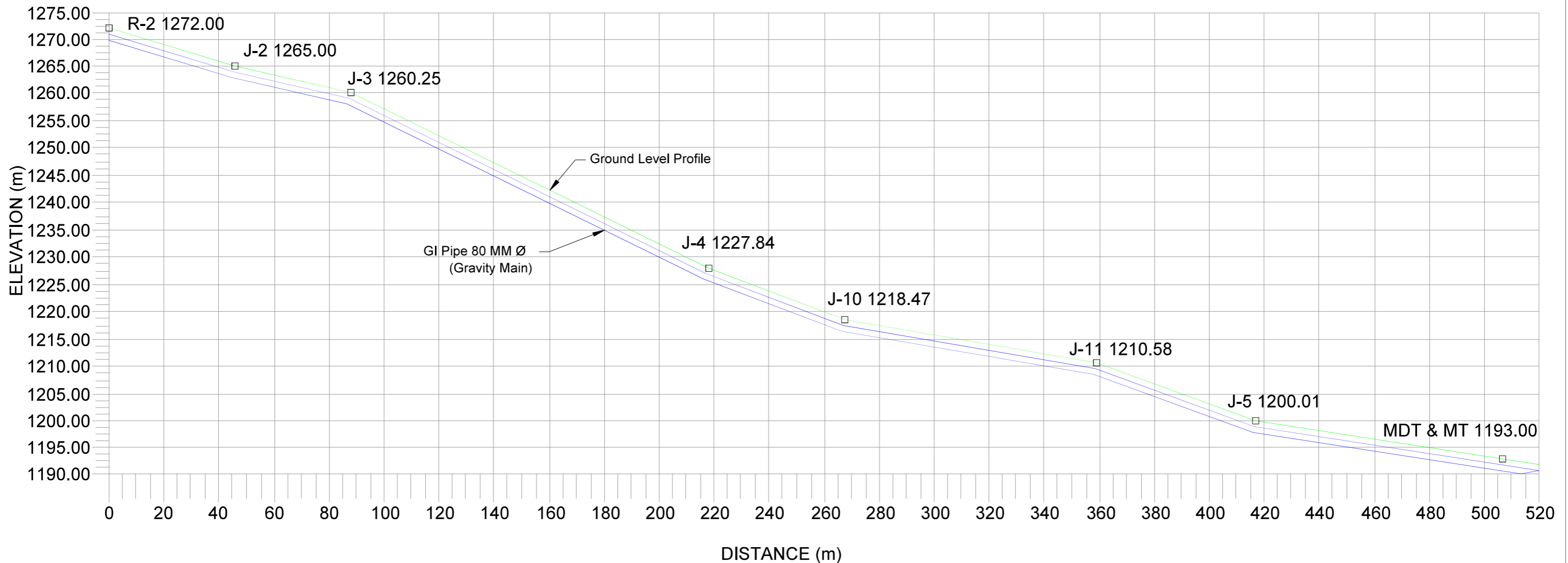
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FILE NAME 12503A-CV-32362-Rev-P1			

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS SON KHAD  
(RASHER CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV -3082-WS-32362	ISSUE P1
DC & DISC: DEL-CV		



**Legend :-**

- 1. Ground Level —
- 2. Rising Main —
- 3. Junction
- 4. Air Valve
- 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

P1	SIGN.	BSN	DVB	SGB						MK	DK	22-07-2022
	INITIALS	AS PER CLIENT COMMENTS										
PO	SIGN.	BSN	DVB	SGB						MK	DK	10-06-2022
	INITIALS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE (dd-mm-yyyy)
	CLEARED											

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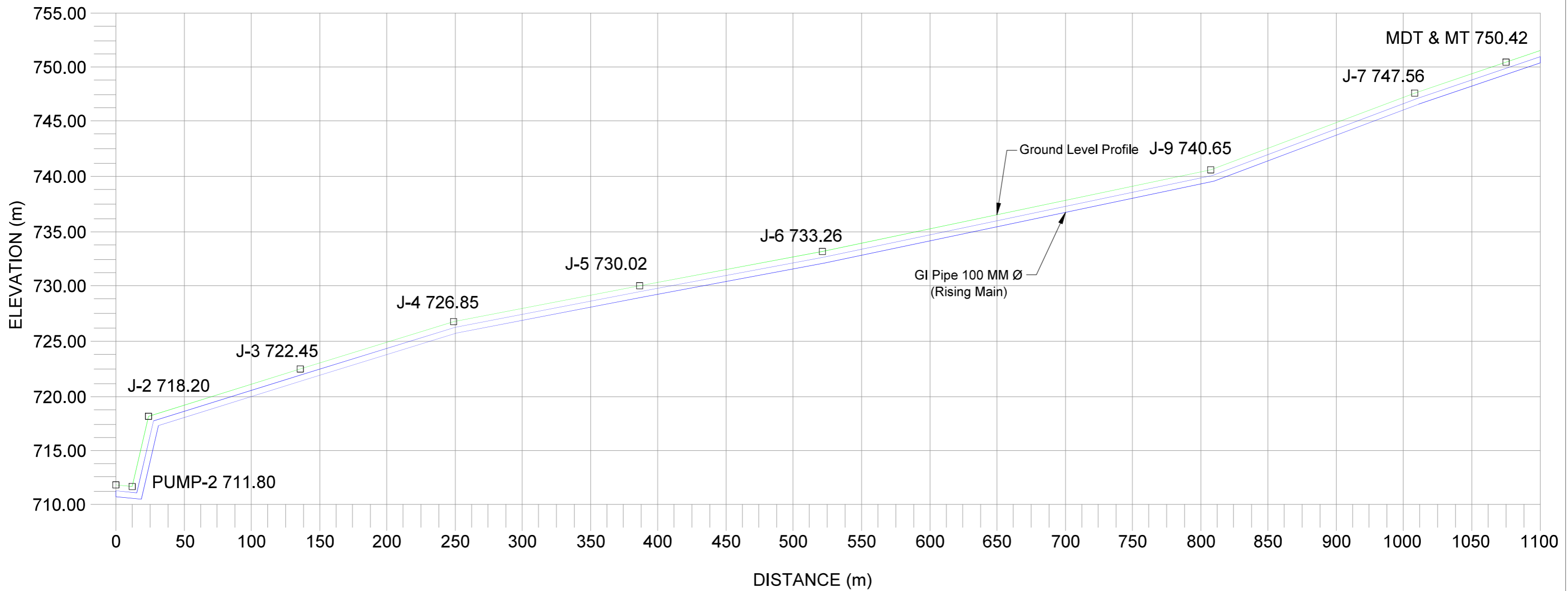
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FILE NAME 12503A-CV-32363-Rev-P1			

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS THOUNA KUHAL  
(THOUNA /DHALAIT CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV -3082-WS-32363	ISSUE P1
DC & DISC: DEL-CV		



**Legend :-**

- 1. Ground Level
- 2. Rising Main
- 3. Junction
- 4. Air Valve
- 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
  - 2 - Scour Valves are Provided at 2000 m c/c Distance.
  - 3 - Above is Tentative Arrangement.
- Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

SIGN.																
INITIALS																
REVISIONS																
PO	SIGN.															
	INITIALS	BSN	DVB	SGB						MK	DK				10-06-2022	
	REVISIONS															
ISSUE		DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD	DATE				
					CLEARED							(dd-mm-yyyy)				

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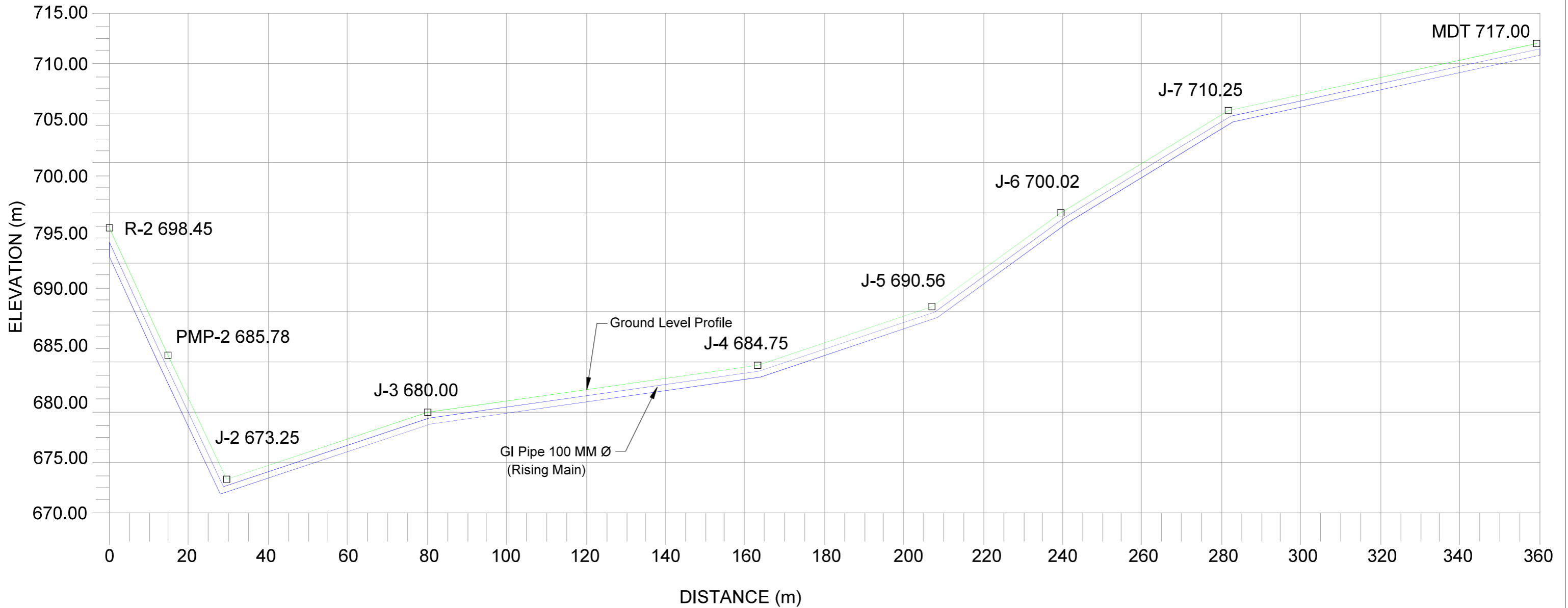
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FILE NAME 12503A-CV-32364-Rev-P0			

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS FROM SEER KHAD  
(BHAMBHLA-1 CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SCALE : NTS      DWG NO. TCE.12503A-CV-3082-WS-32364      ISSUE PO  
DC & DISC: DEL-CV



**Legend :-**

- 1. Ground Level —
- 2. Rising Main —
- 3. Junction
- 4. Air Valve
- 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

SIGN.											
	INITIALS										
REVISIONS											
SIGN.											
	BSN	DVB	SGB					MK	DK	10-06-2022	
REVISIONS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PE/PM		APPD	DATE (dd-mm-yyyy)
	CLEARED										

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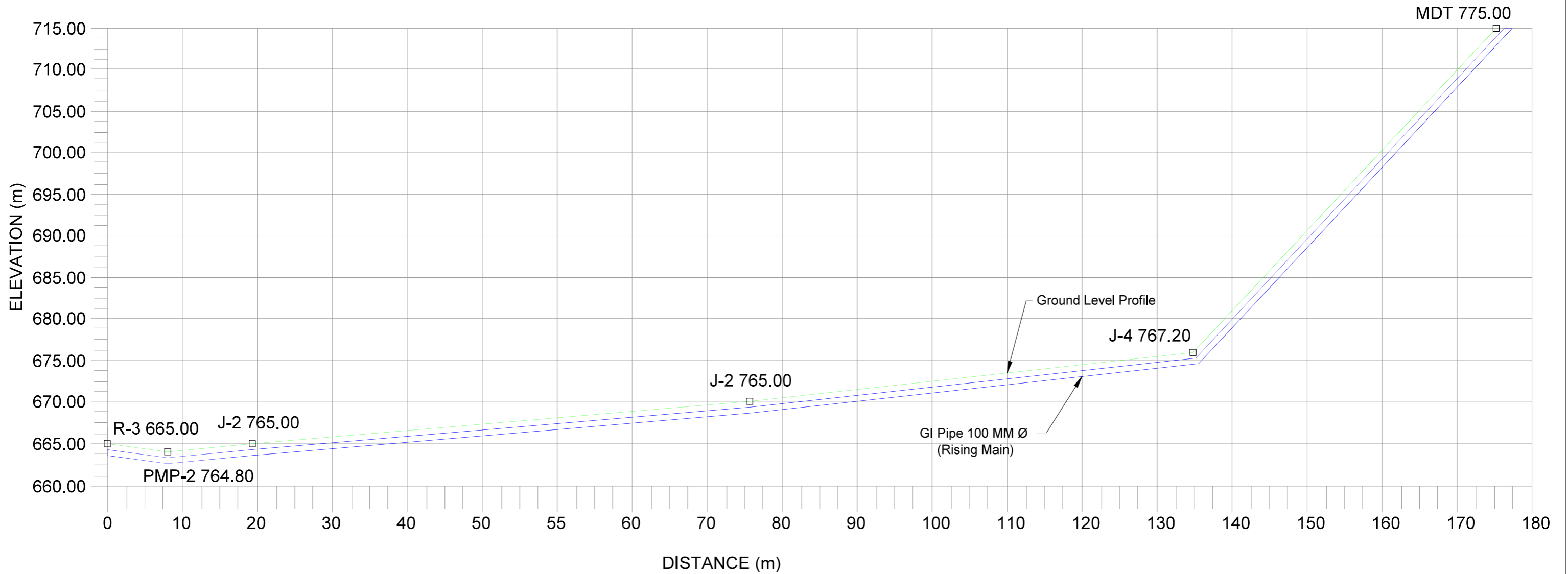
SIGN. OF CLIENT:-			
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FILE NAME 12503A-CV-32365-Rev-PO			

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS INFILTRATION-SEER KHAD  
(MATAUR TANDA CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32365	ISSUE PO
DC & DISC: DEL-CV		



- Legend :-**
- 1. Ground Level —
  - 2. Rising Main —
  - 3. Junction
  - 4. Air Valve
  - 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement.

Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

P1	SIGN.	BSN	DVB	SGB						MK	DK	22-07-2022
	INITIALS	AS PER CLIENT COMMENTS										
P0	SIGN.	BSN	DVB	SGB						MK	DK	10-06-2022
	INITIALS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE (dd-mm-yyyy)
	CLEARED											

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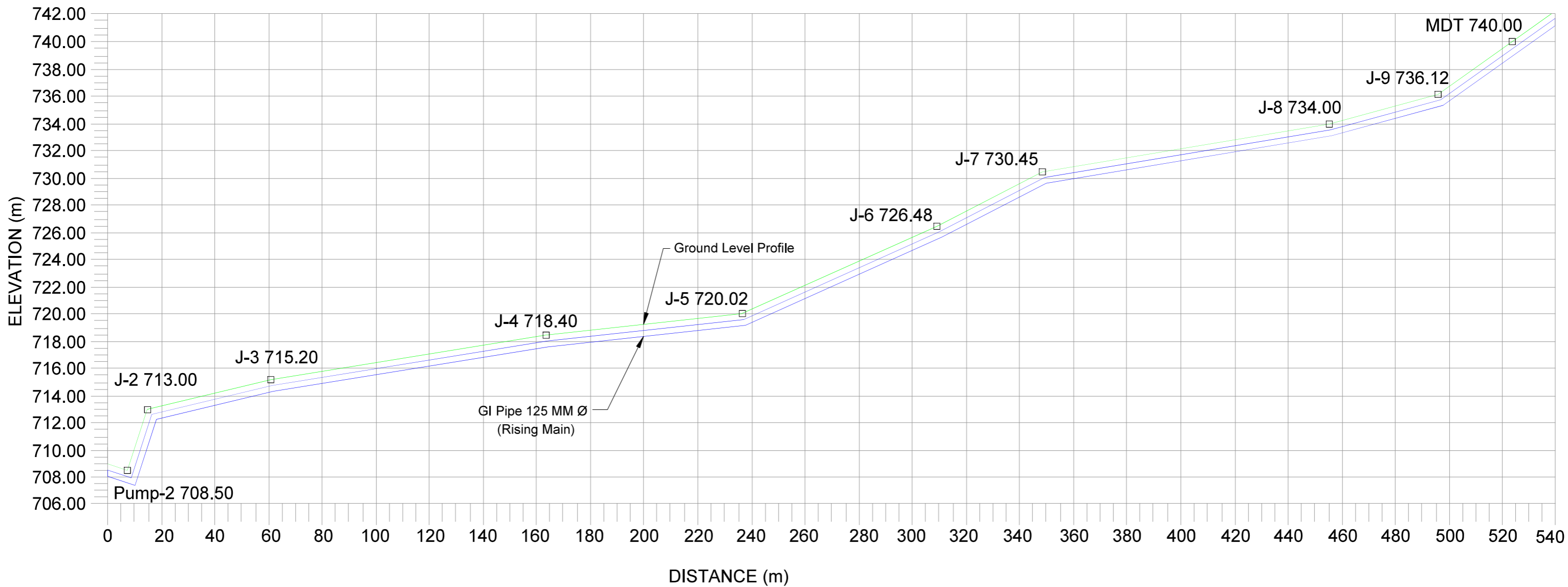
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS FROM TW-4  
(BAG CHUHKU CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT

**TATA CONSULTING ENGINEERS LIMITED**  
MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32366	ISSUE P1
DC & DISC: DEL-CV		





- Legend :-**
- 1. Ground Level —
  - 2. Rising Main —
  - 3. Junction
  - 4. Air Valve
  - 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement.

**Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.**

P1	SIGN.	BSN	DVB	SGB						MK	DK	22-07-2022
	INITIALS	AS PER CLIENT COMMENTS										
PO	SIGN.	BSN	DVB	SGB						MK	DK	10-06-2022
	INITIALS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE (dd-mm-yyyy)
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FILE NAME 12503A-CV-32367-Rev-P1			

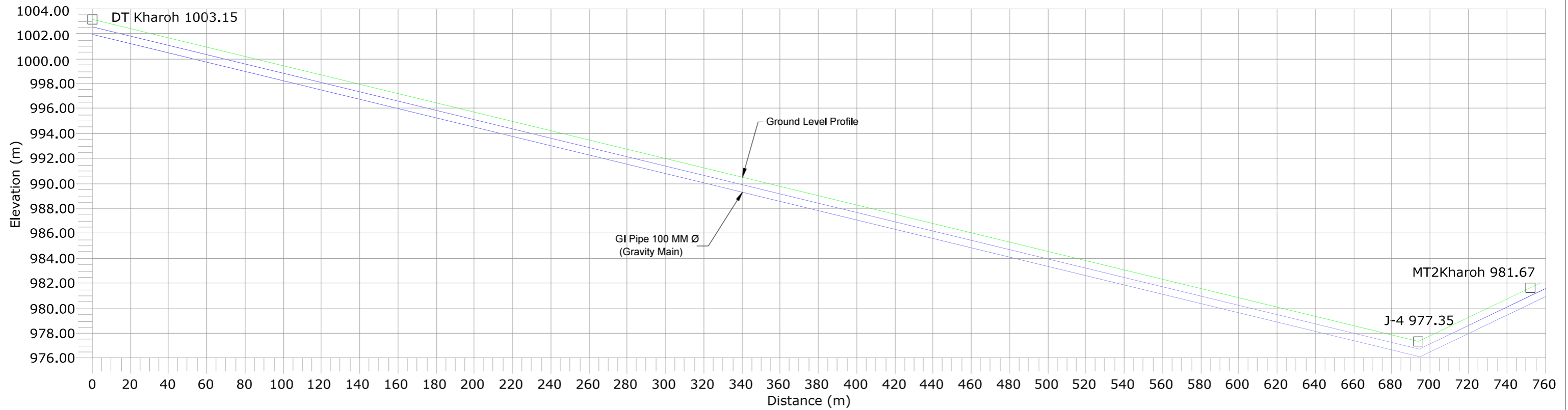
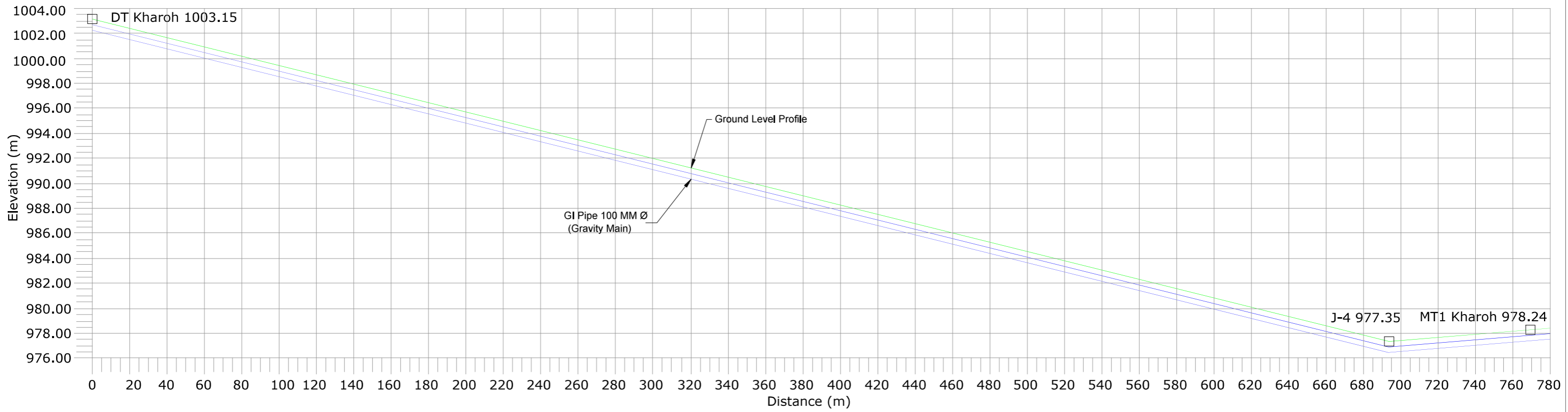
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS FROM TW-3  
(BATAIL-1 & 2 CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT

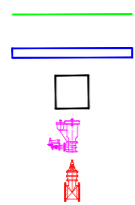
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MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32367	ISSUE P1
DC & DISC: DEL-CV		





- Legend :-**
- 1. Ground Level
  - 2. Rising Main
  - 3. Junction
  - 4. Air Valve
  - 5. Scour Valve



- Note:-**
- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
  - 2 - Scour Valves are Provided at 2000 m c/c Distance.
  - 3 - Above is Tentative Arrangement.
- Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

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DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS BASANTPUR  
(KHAROH CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT



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ISSUE	DRN	DSN	CHD	CV	EL	IC	ME							PE/PM	APPD	DATE			
																(dd-mm-yyyy)			

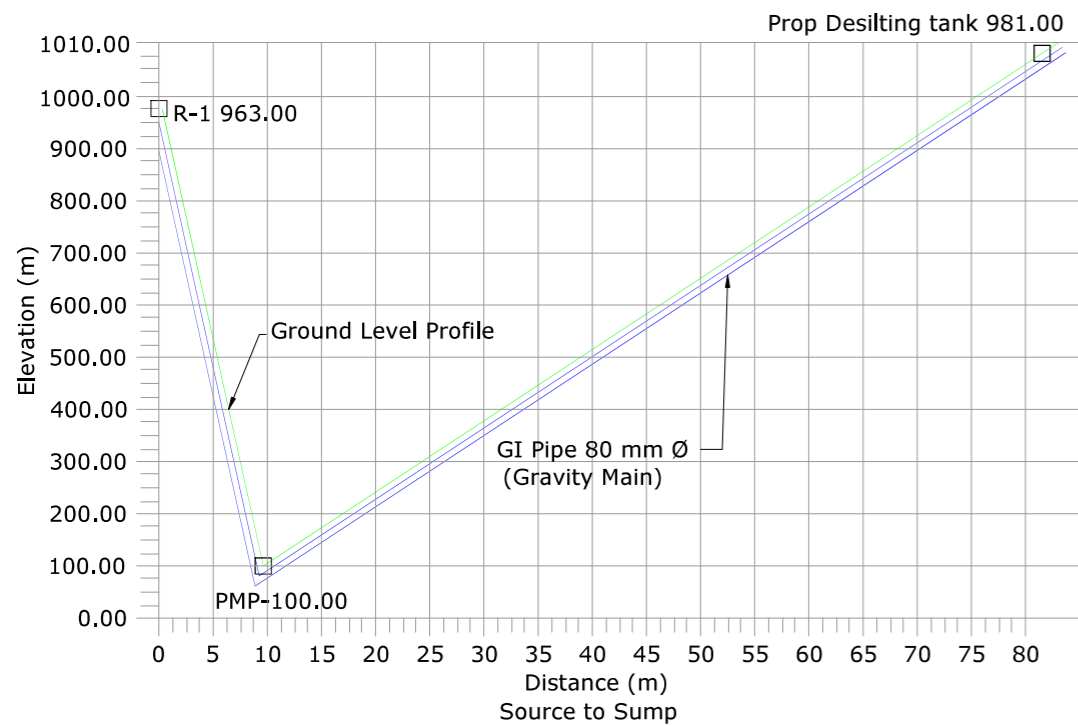
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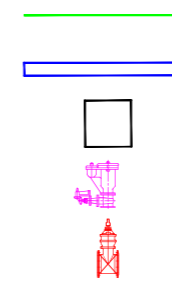
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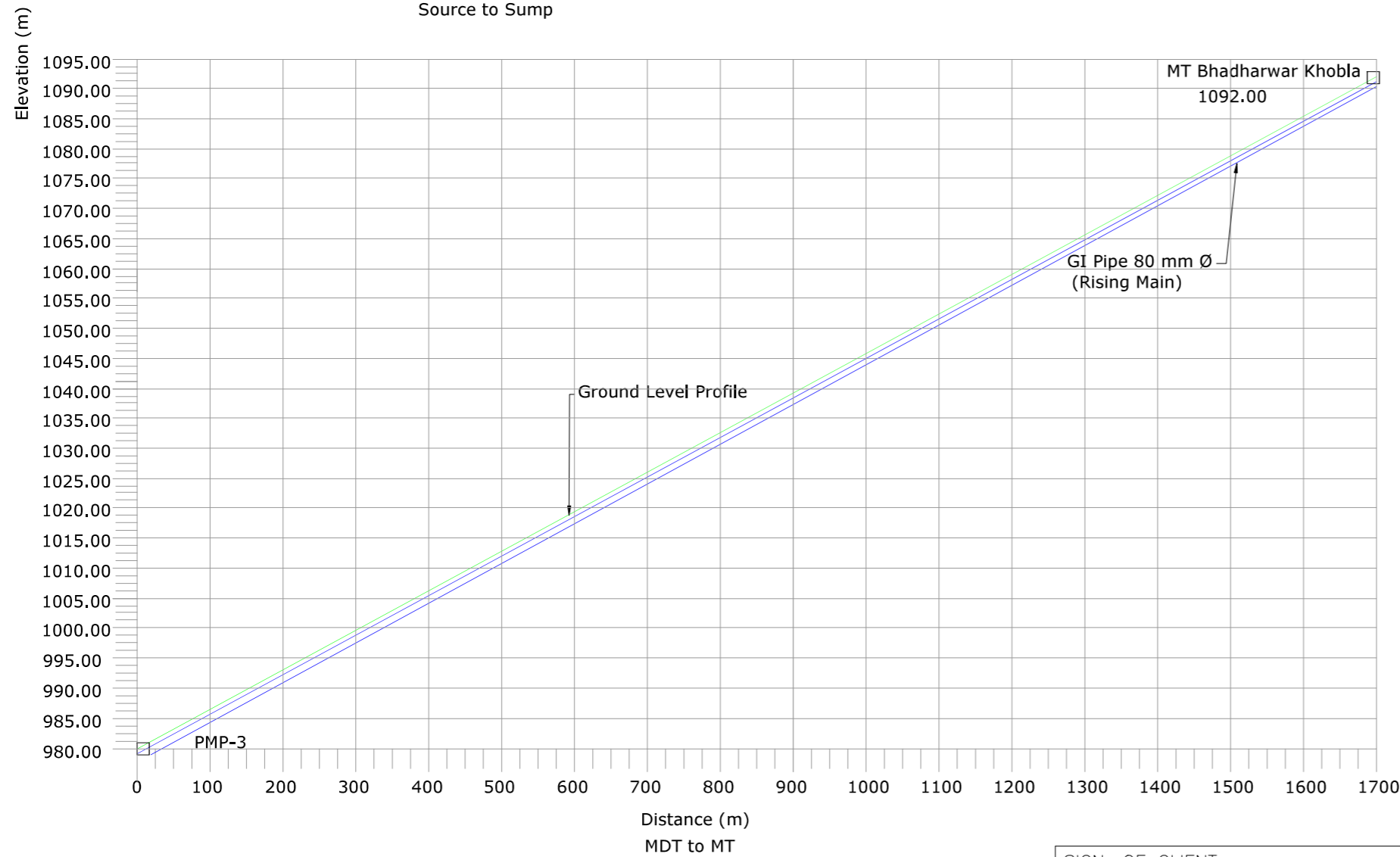
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- Legend :-**
- 1. Ground Level
  - 2. Rising Main
  - 3. Junction
  - 4. Air Valve
  - 5. Scour Valve



- Note:-**
- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
  - 2 - Scour Valves are Provided at 2000 m c/c Distance.
  - 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.



DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

PROPOSED L-SECTION-LIS BHADHARWAR BHUDROLI KHAD  
(BHADHARWAR KHOBLA CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT



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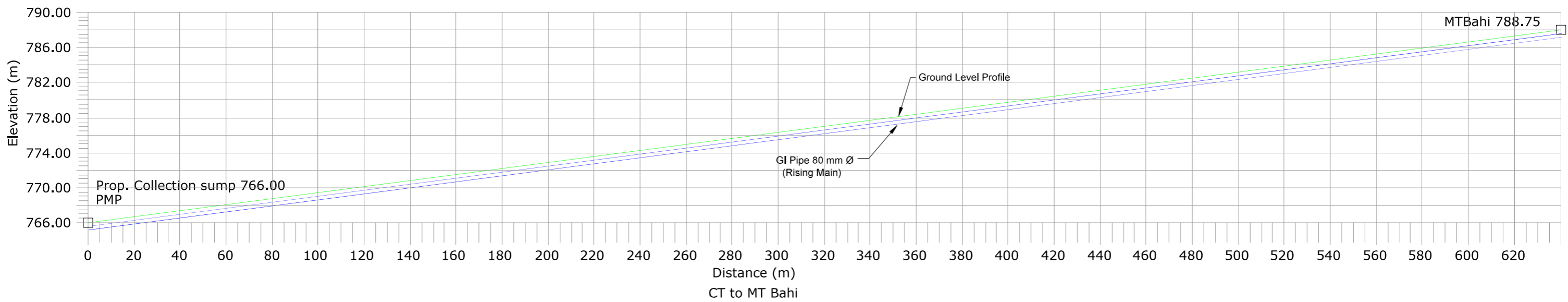
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**Legend :-**

- 1. Ground Level —
- 2. Rising Main —
- 3. Junction
- 4. Air Valve
- 5. Scour Valve

**Note:-**

- 1 - Air Valves are Considered to be provided at 500 m c/c and at High Points.
- 2 - Scour Valves are Provided at 2000 m c/c Distance.
- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.



DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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