








### 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										
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	INITIALS	GKJ	MXL	DVB		MK	DK	14-06-2022				
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ISSUE		DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD.	DATE
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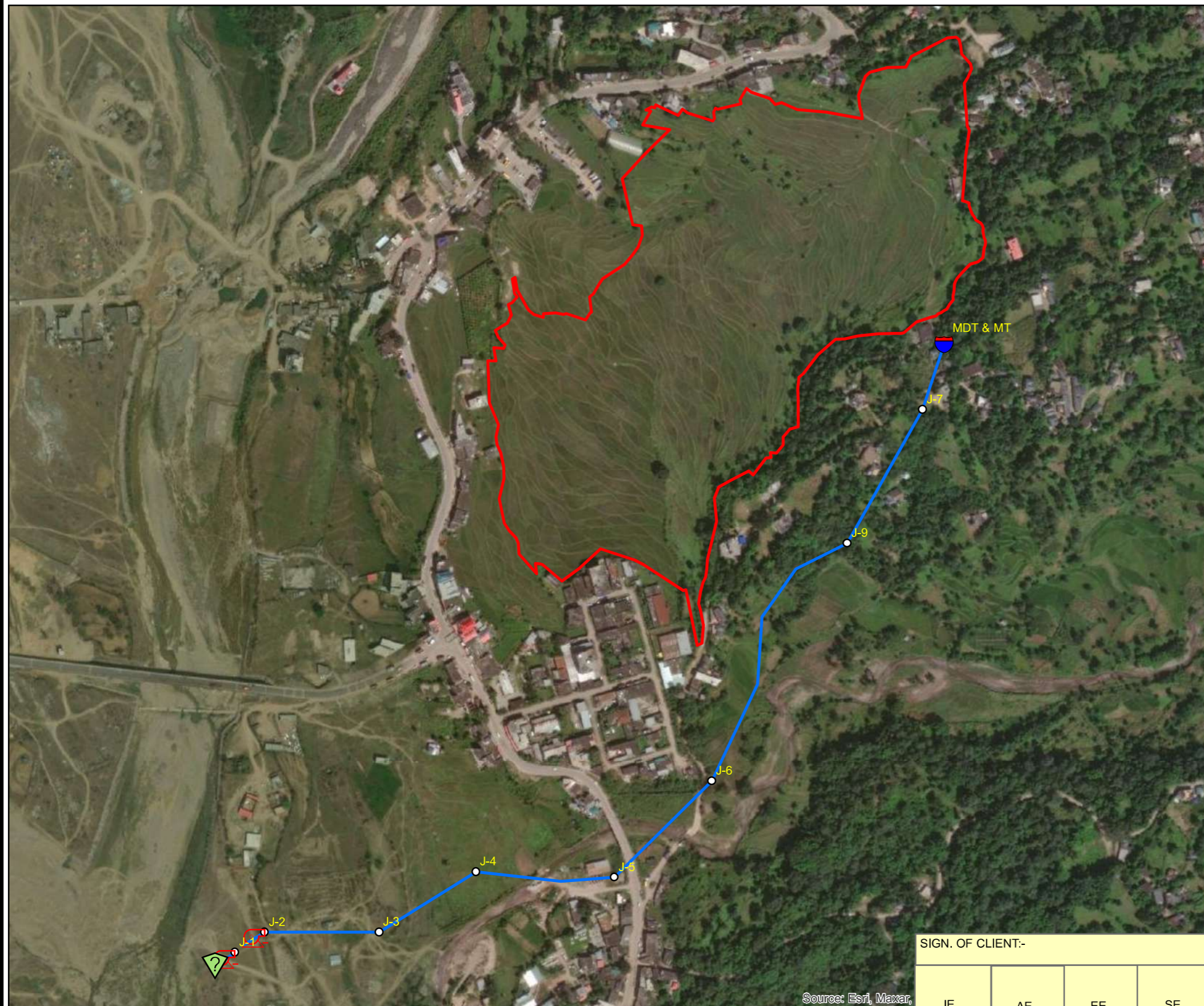
File Name: 12503A-CV-32209-Rev-P1









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MUMBAI**

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





### Legend

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

Source: Esri, Maxar

SIGN. OF CLIENT:-

JE	AE	EE	SE
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IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

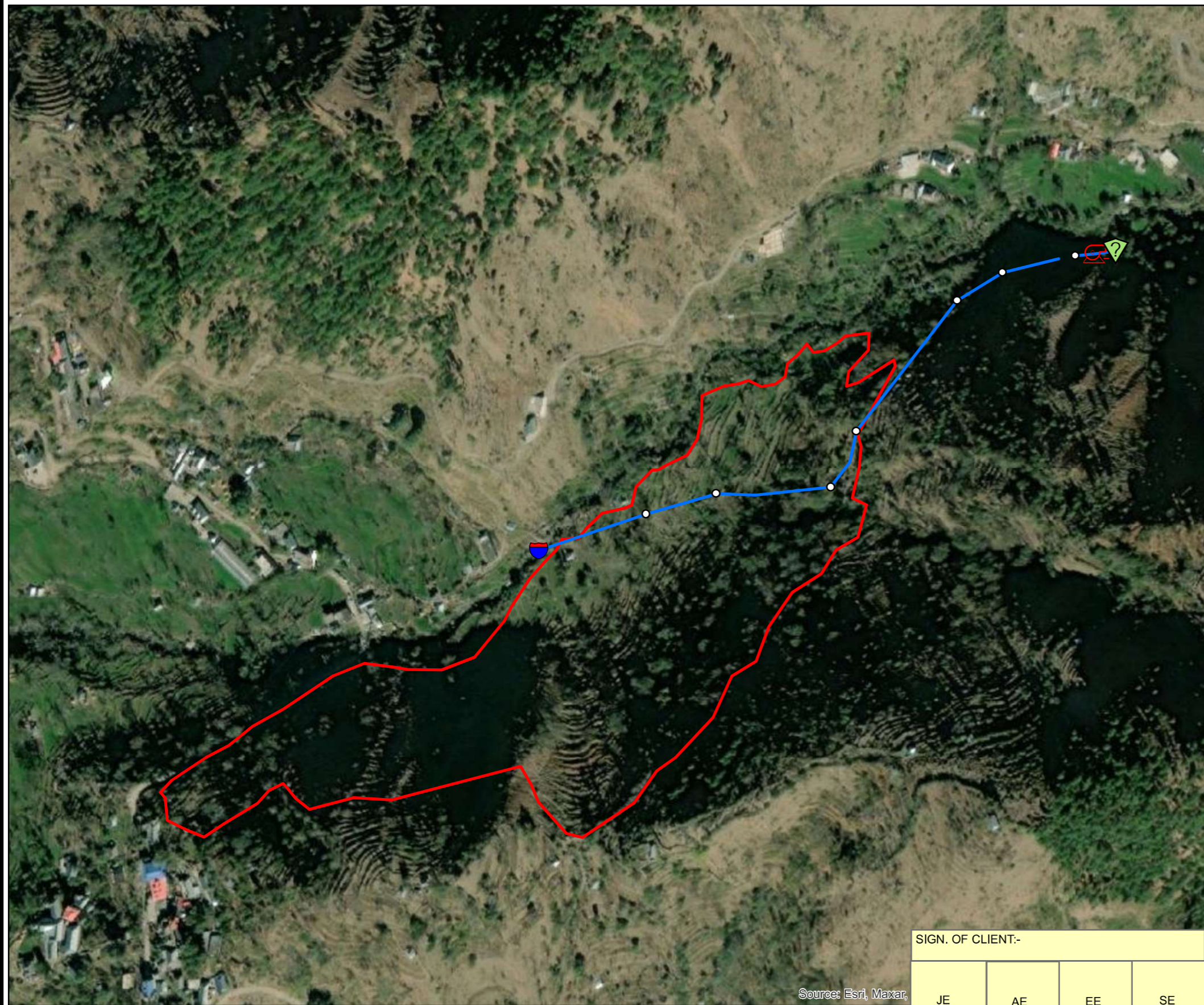
TITLE:- NETWORK DRAWING FOR LIS FROM SEER KHAD (BHAMBHLA - 1 CLUSTER) GOPALPUR BLOCK, MANDI DISTRICT.









**TATACONSULTING ENGINEERS LIMITED. MUMBAI**

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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IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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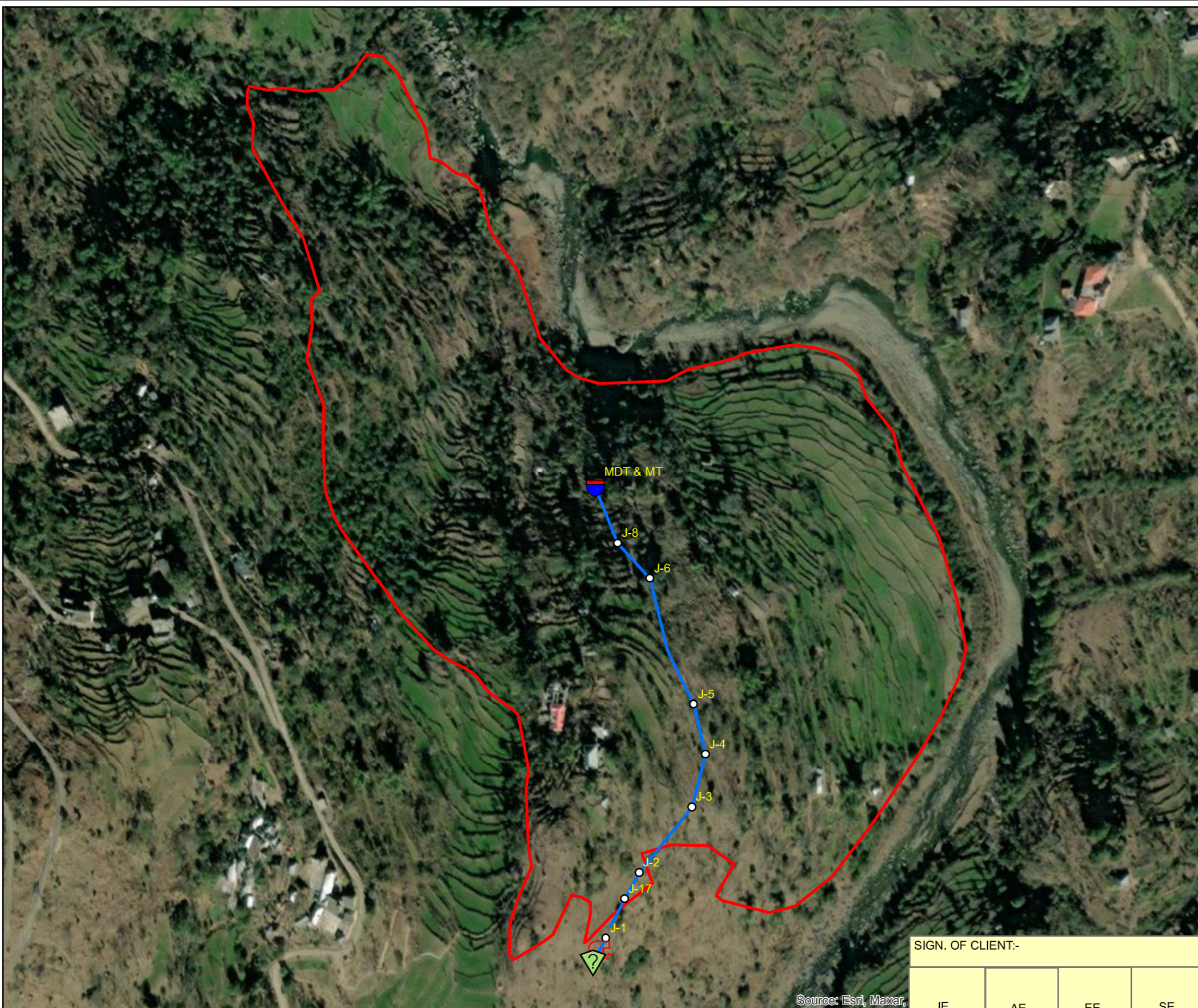
TITLE:- **NETWORK DRAWING FOR FIS THOUNA KUHAL (THAUNA / DHALAIT CLUSTER) GOPALPUR BLOCK, MANDI DISTRICT.**



**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.  
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SCALE:- 1:3,000

DWG. No:-

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

ISSUE:-

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

DL.CEN:- DEL-CV

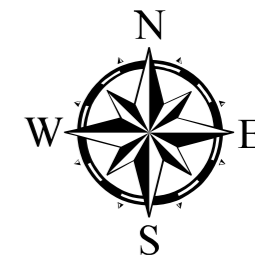
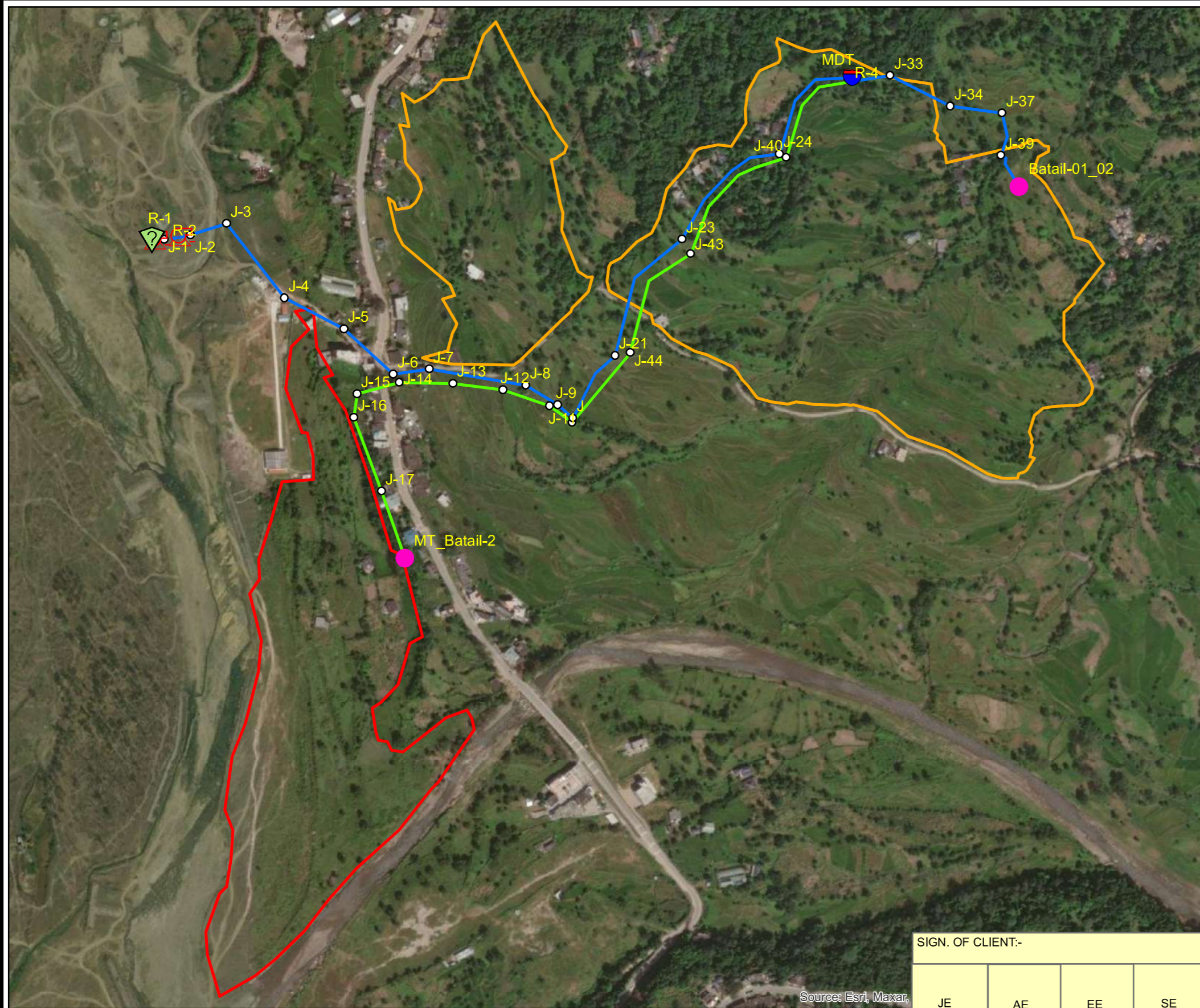
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	INITIALS												
REVISIONS													
P0	SIGN.												
	INITIALS	GKJ	MXL	DVB			MK	DK	02-05-2022				
REVISIONS													
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD.	DATE	
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### Legend

- 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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(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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	REVISIONS	As per Client Comments										
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	INITIALS	GKJ	MXL	DVB			MK	DK	14-06-2022			
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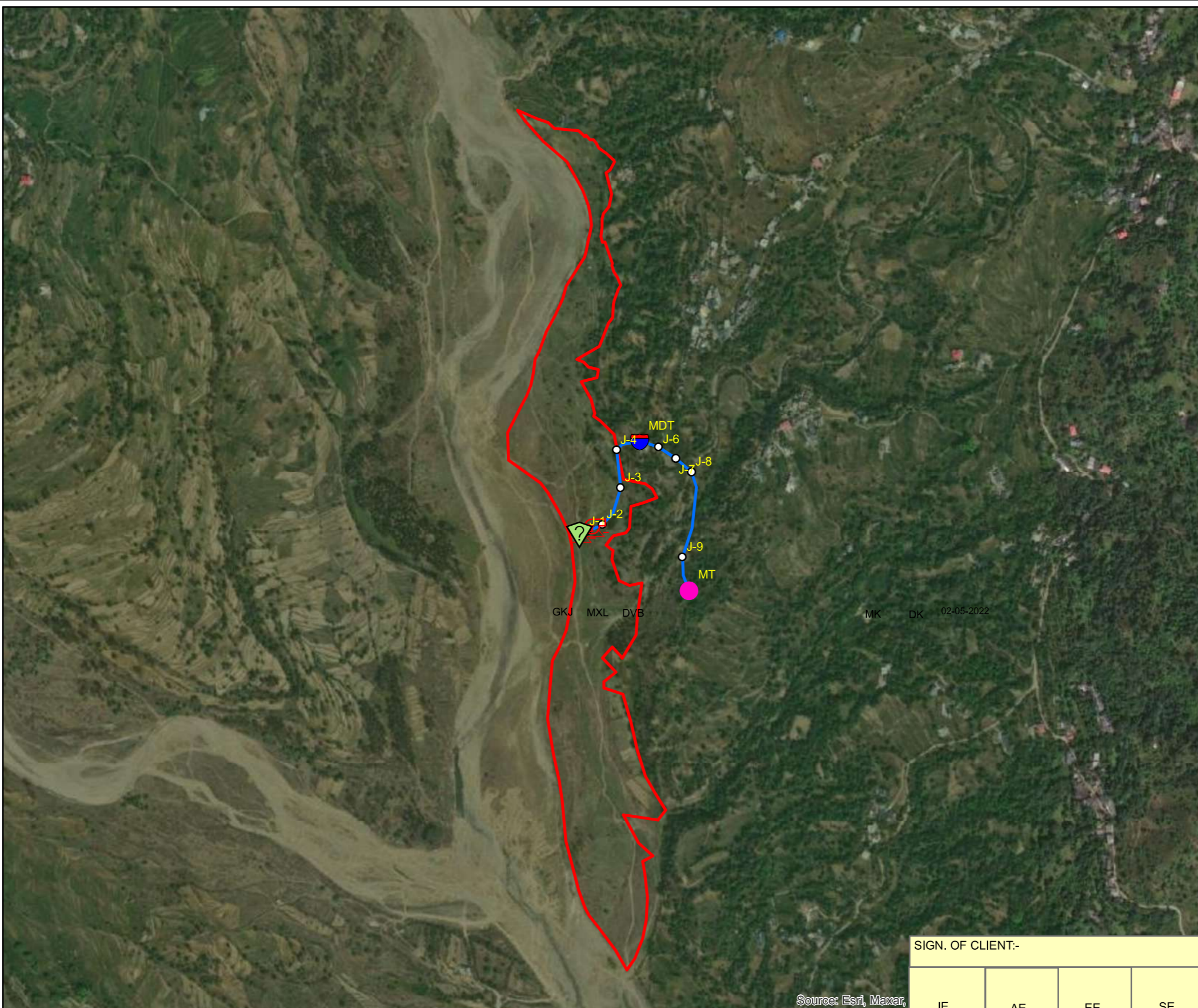
File Name: 12503A-CV-32213-Rev-P1

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

**TATACONSULTING ENGINEERS LIMITED.  
MUMBAI**

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





### Legend

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

GKJ MXL DVB MK DK 02-05-2022

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.									REVISIONS					
	INITIALS													
P0									REVISIONS					
	INITIALS				GKJ	MXL	DVB					MK	DK	02-05-2022
ISSUE		DRN	DSN	CHD	CV	EL	IC	ME	PE/PM	APPD.	DATE			
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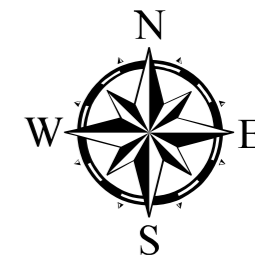
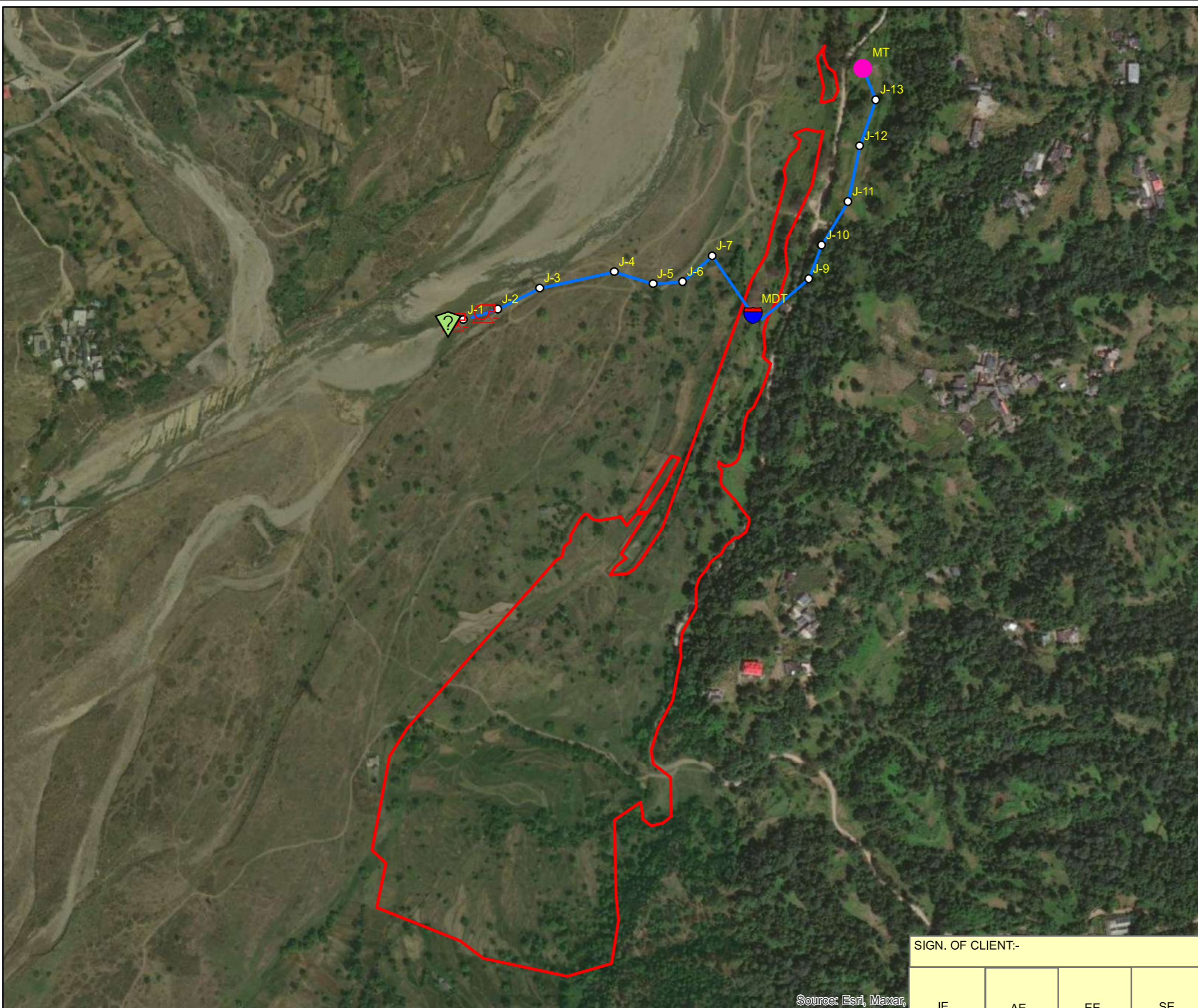
File Name: 12503A-CV-32214-Rev-P0

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








**TATACONSULTING ENGINEERS LIMITED. MUMBAI**

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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(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

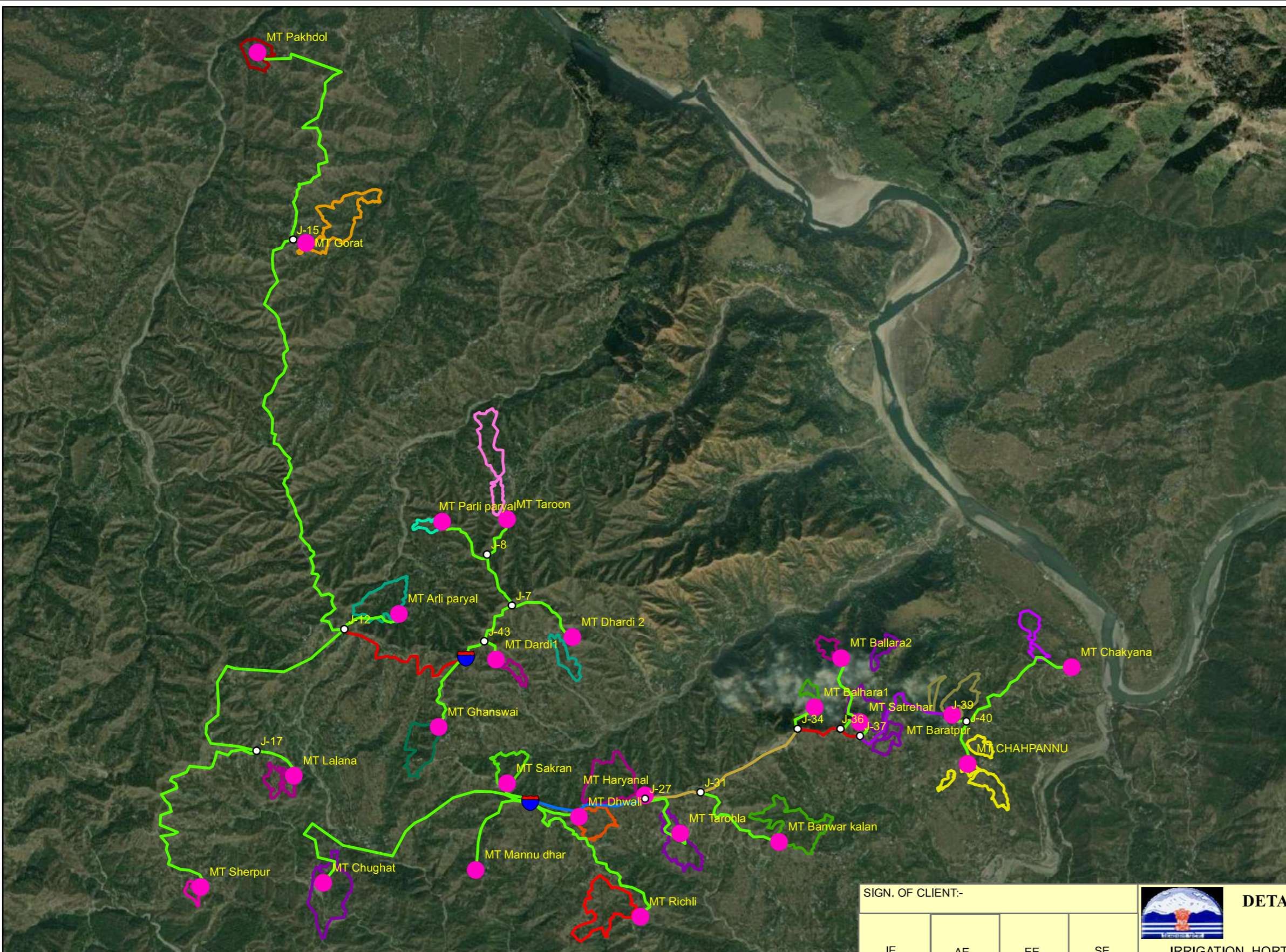
TITLE:- NETWORK DRAWING FOR LIS INFILTRATION SEER KHAD  
(MATAUR TANDA CLUSTER)  
GOPALPUR BLOCK, MANDI DISTRICT.






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





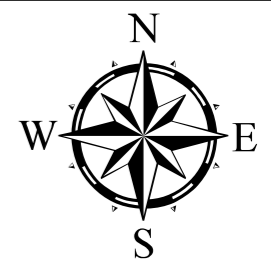
**Legend**

-  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	GKJ	MXL	DVB				MK	DK	06-06-2022	
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File Name: 12503A-CV-32216-Rev-P0

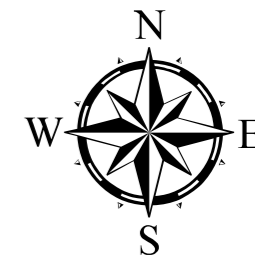
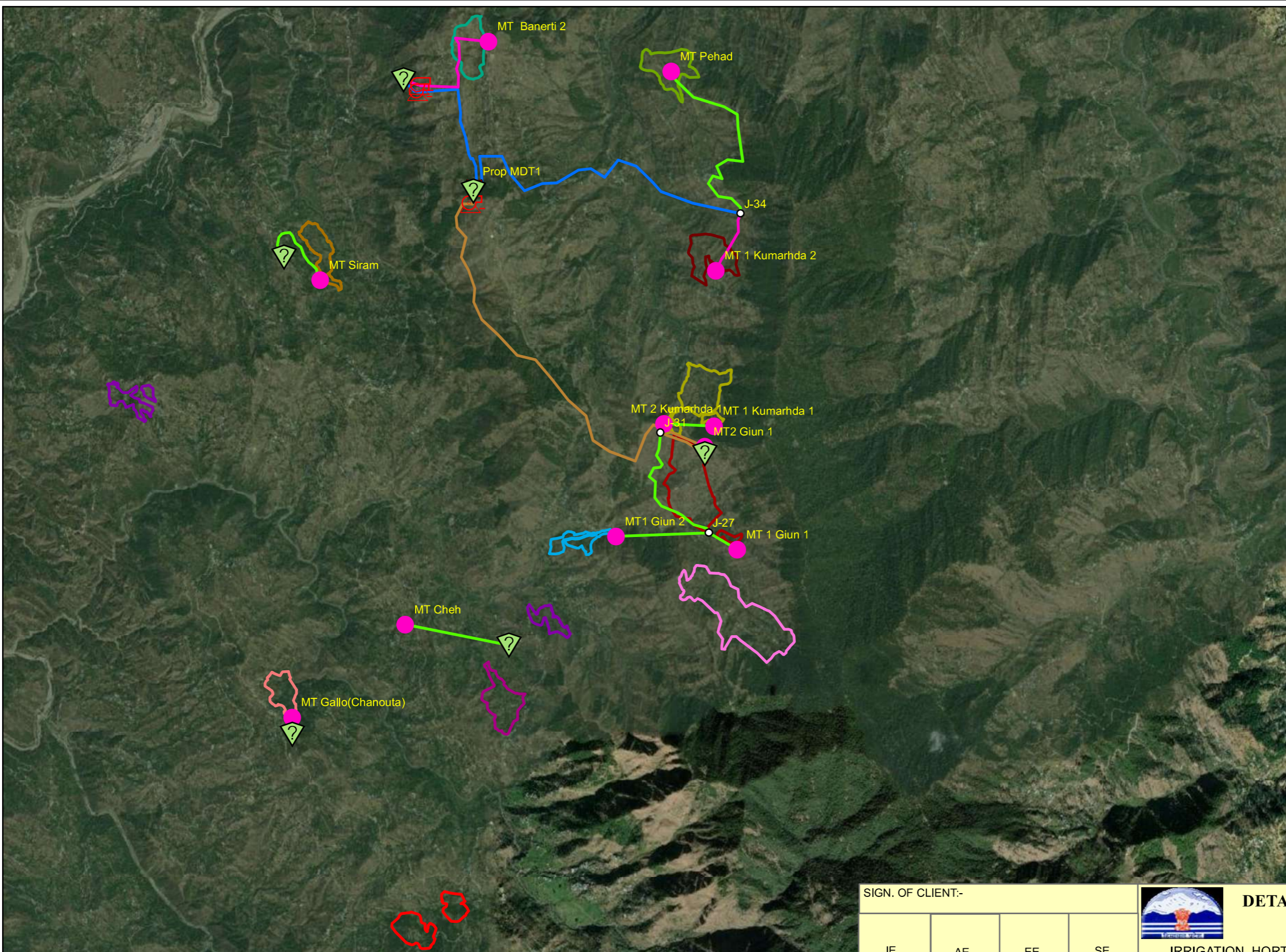
**TITLES:-** NETWORK DRAWING FOR LIS BARI MARHI DHWALI (RICHHLI, MANNU DHAR, HARYANAL, SATREHAR, GHANSWAI, AARLI-PARYAL, DHWALI, TAROHLA, TAROON, CHHAPANU, BANWAAR KALAAN, DHARD- 1 & 2, BARATPUR, BALHARA-1&2, LALANA, PARLI PARYAL, SAKRAN DHAR, SHERPUR, CHAKYANA, CHUNIGHAT), DHARAMPUR BLOCK, MANDI DISTRICT.



**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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	INITIALS	GKJ	MXL	DVB					MK	DK	06-06-2022			
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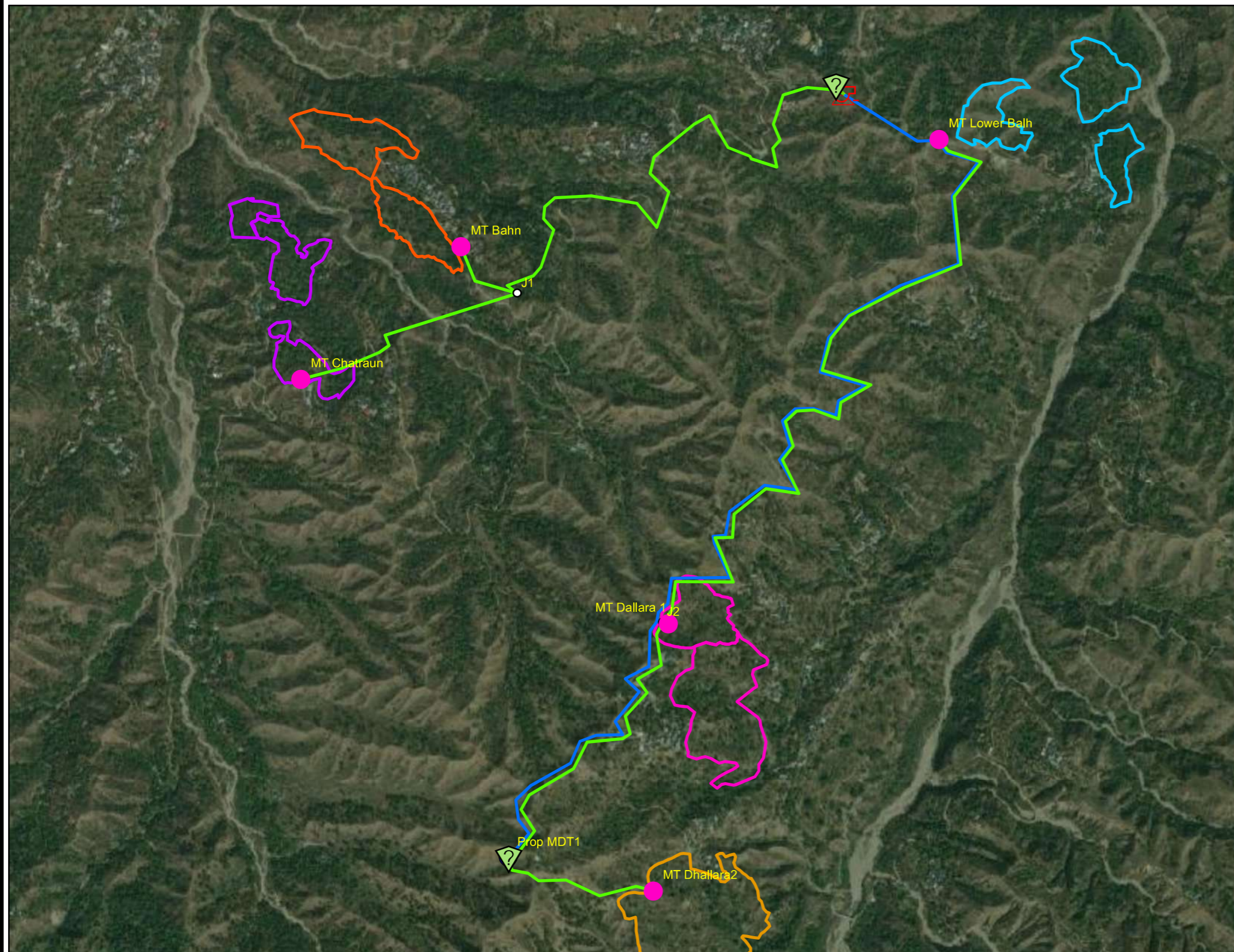
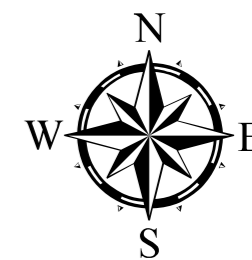
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File Name: 12503A-CV-32217-Rev-P0			

		<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	





### 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

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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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**

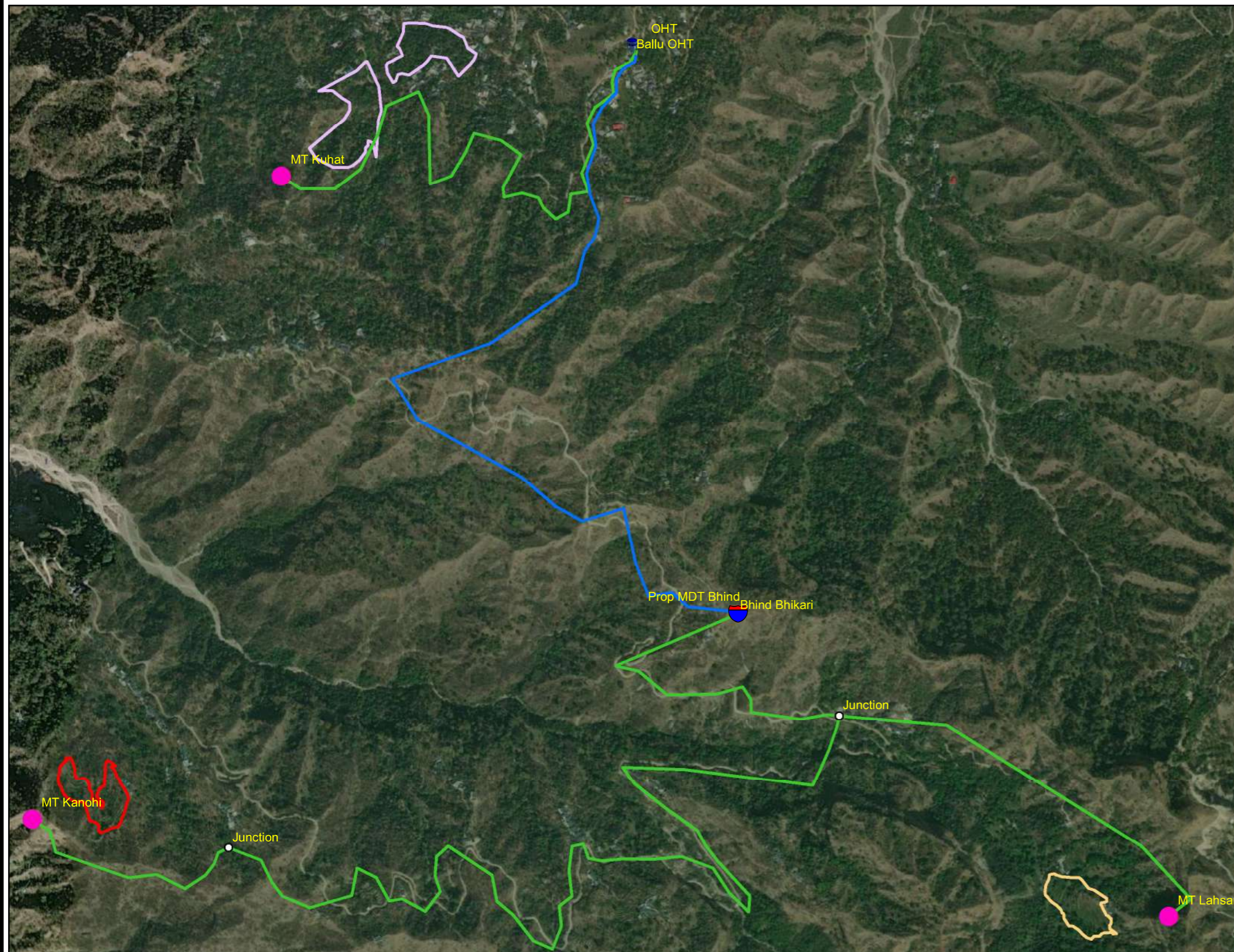
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File Name: 12503A-CV-32218-Rev-P0











**TATACONSULTING ENGINEERS LIMITED. MUMBAI**

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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(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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File Name: 12503A-CV-32219-Rev-P0

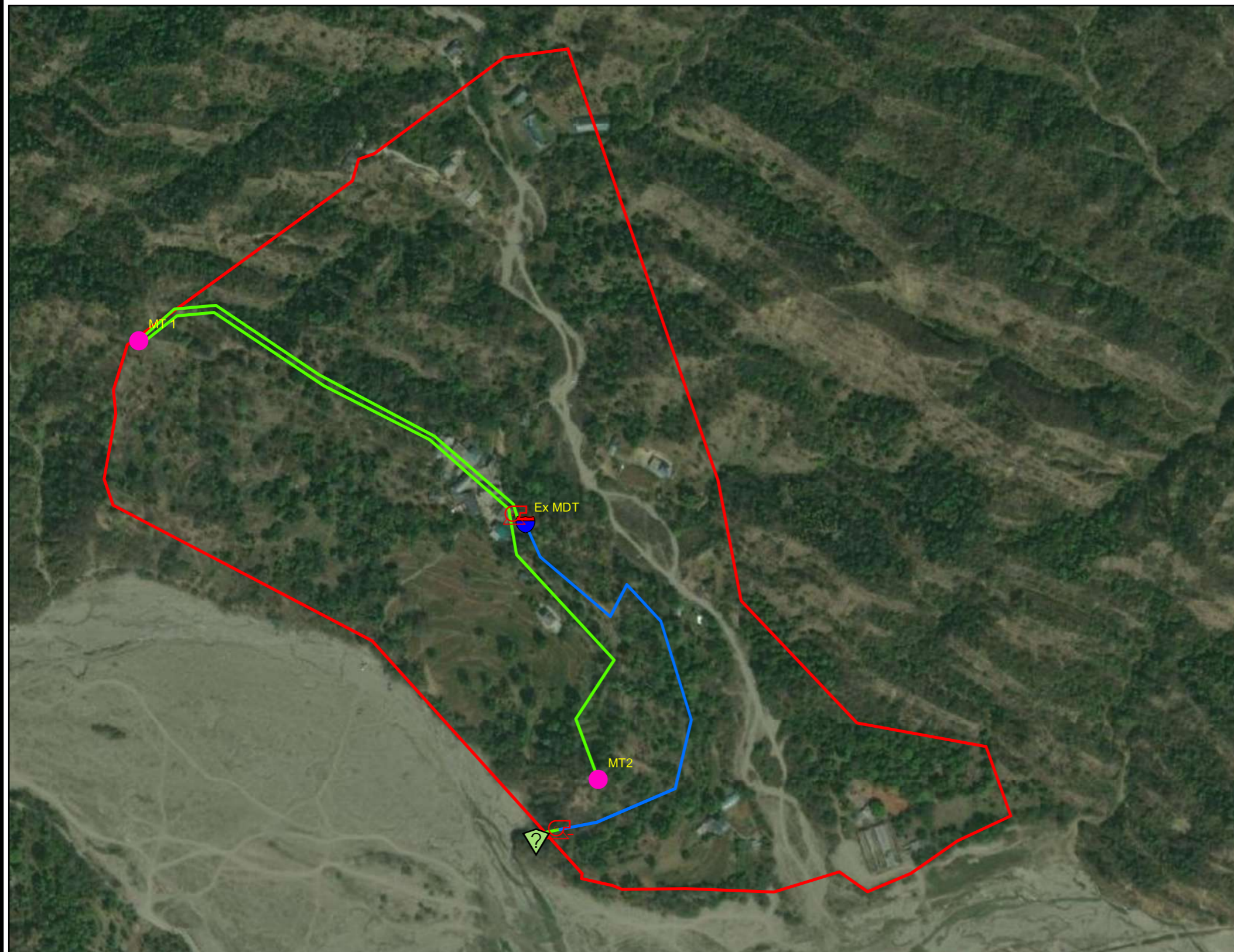
TITLE:- **NETWORK DRAWING FOR LIS SANDHOLE (SINGLE KUHAH, KANOHI, LAHSANI), DHARAMPUR BLOCK, MANDI DISTRICT.**










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





### Legend

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

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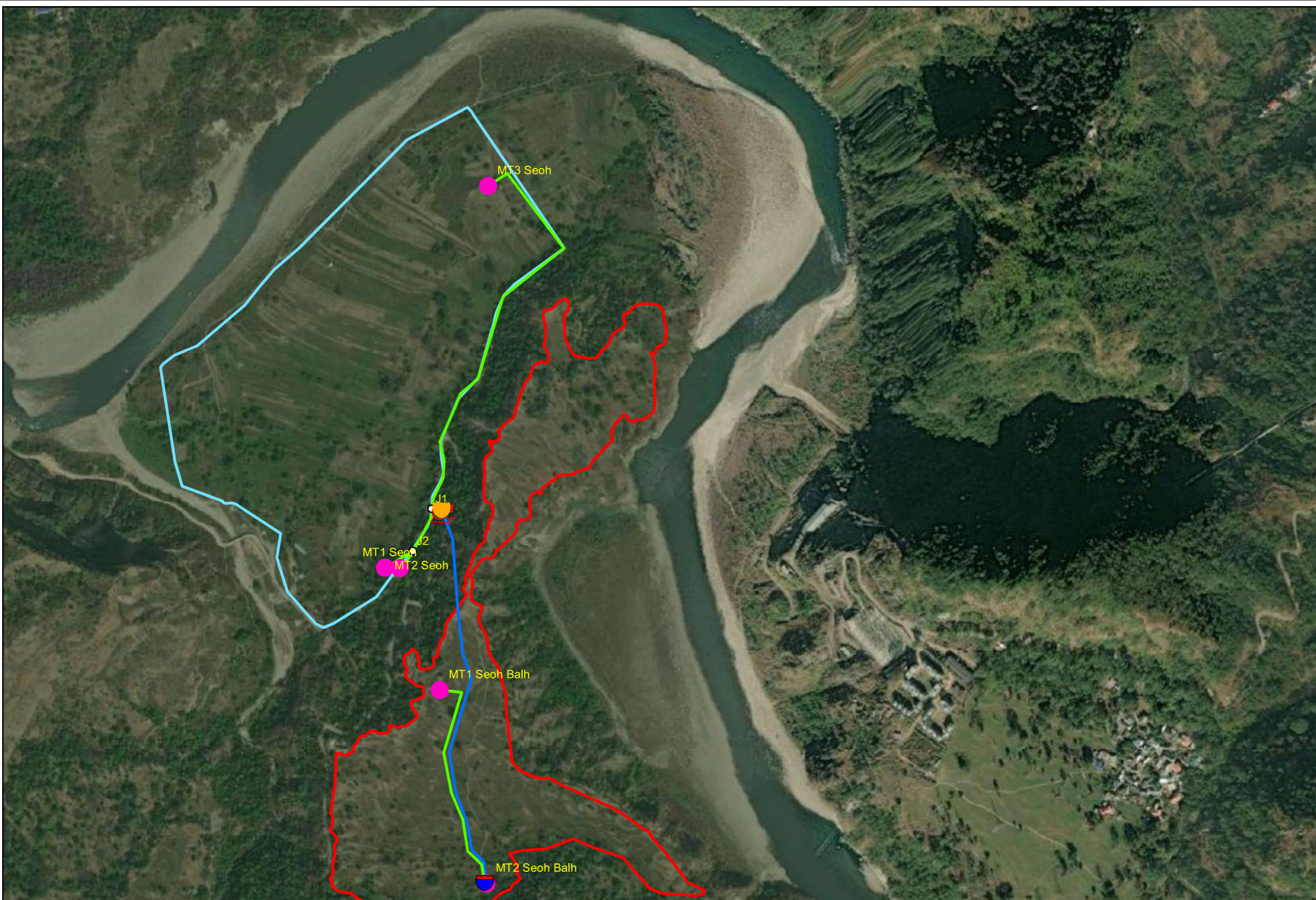
File Name: 12503A-CV-32220-Rev-P0

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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(PACKAGE CS09)**

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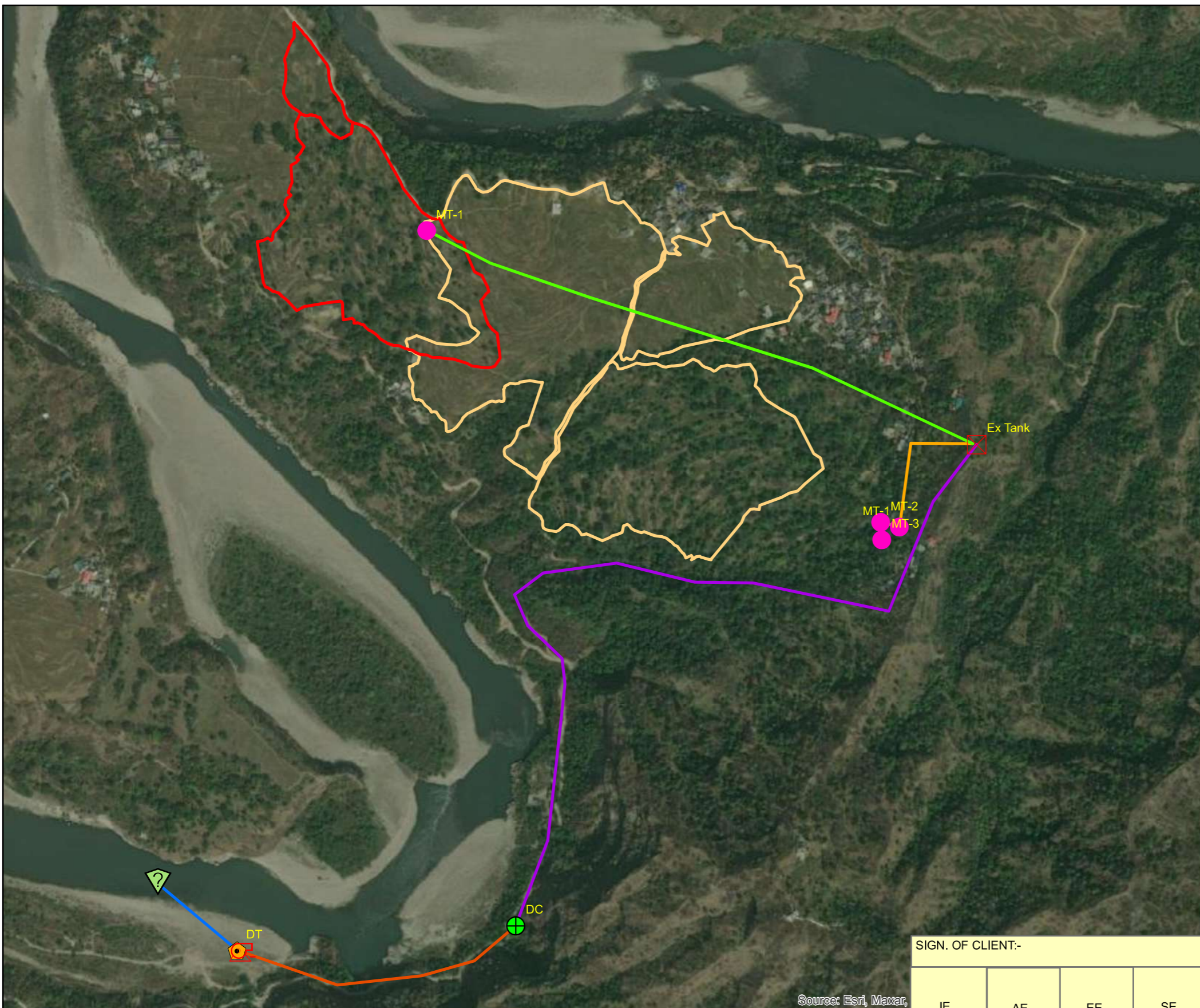
SCALE:- 1:8,000	DWG. No:-	ISSUE:-
DL.CEN:- DEL-CV	TCE.12503A-CV-3082-WS-32221	P0





### 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,

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File Name: 12503A-CV-32222-Rev-P0

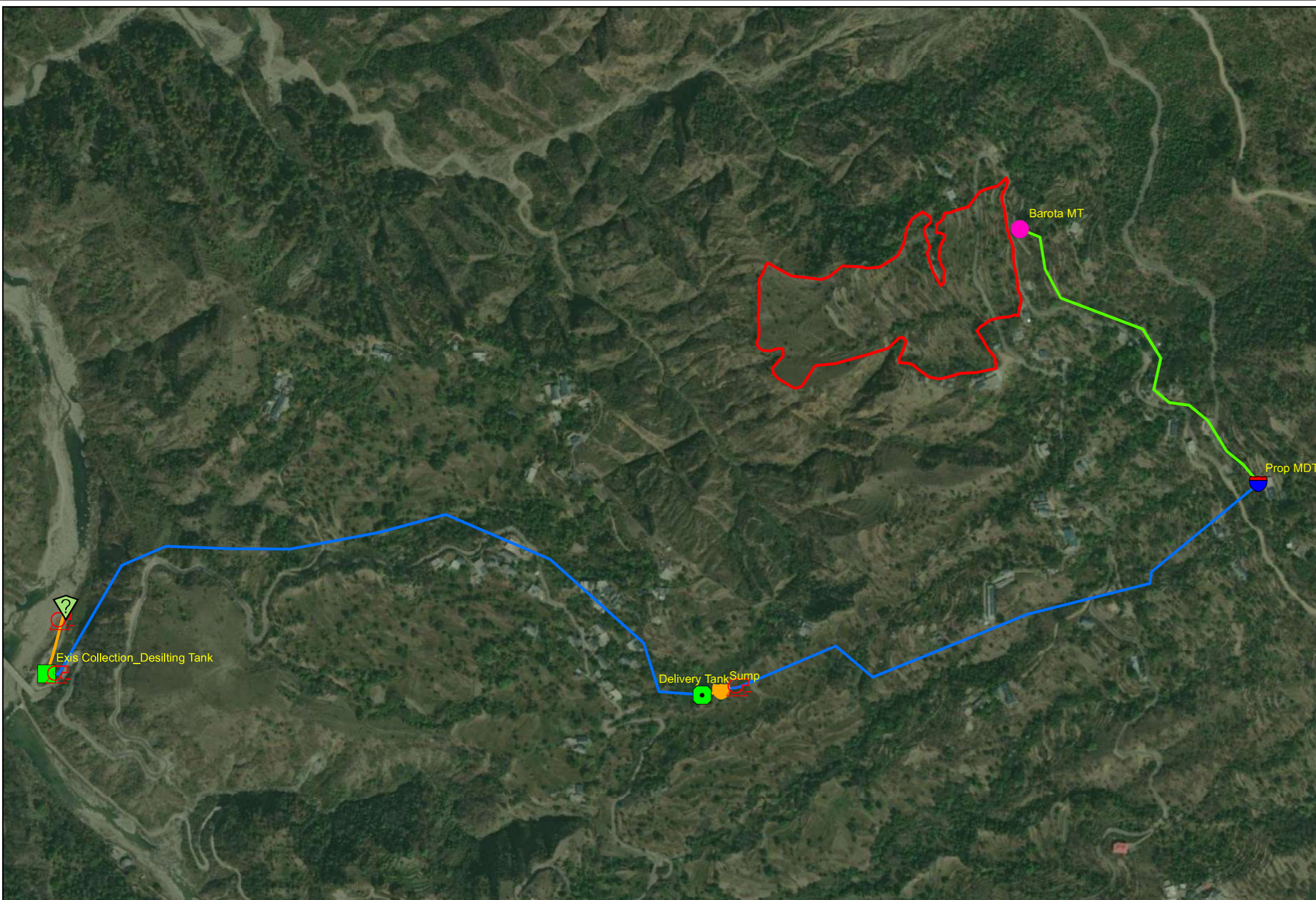
TITLE:- **NETWORK DRAWING FOR LIS BAIRI (NICHALI & UPPER BAIRI CLUSTER), DHARAMPUR BLOCK, MANDI DISTRICT.**



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





### Legend

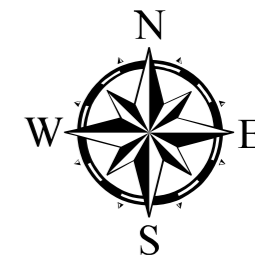
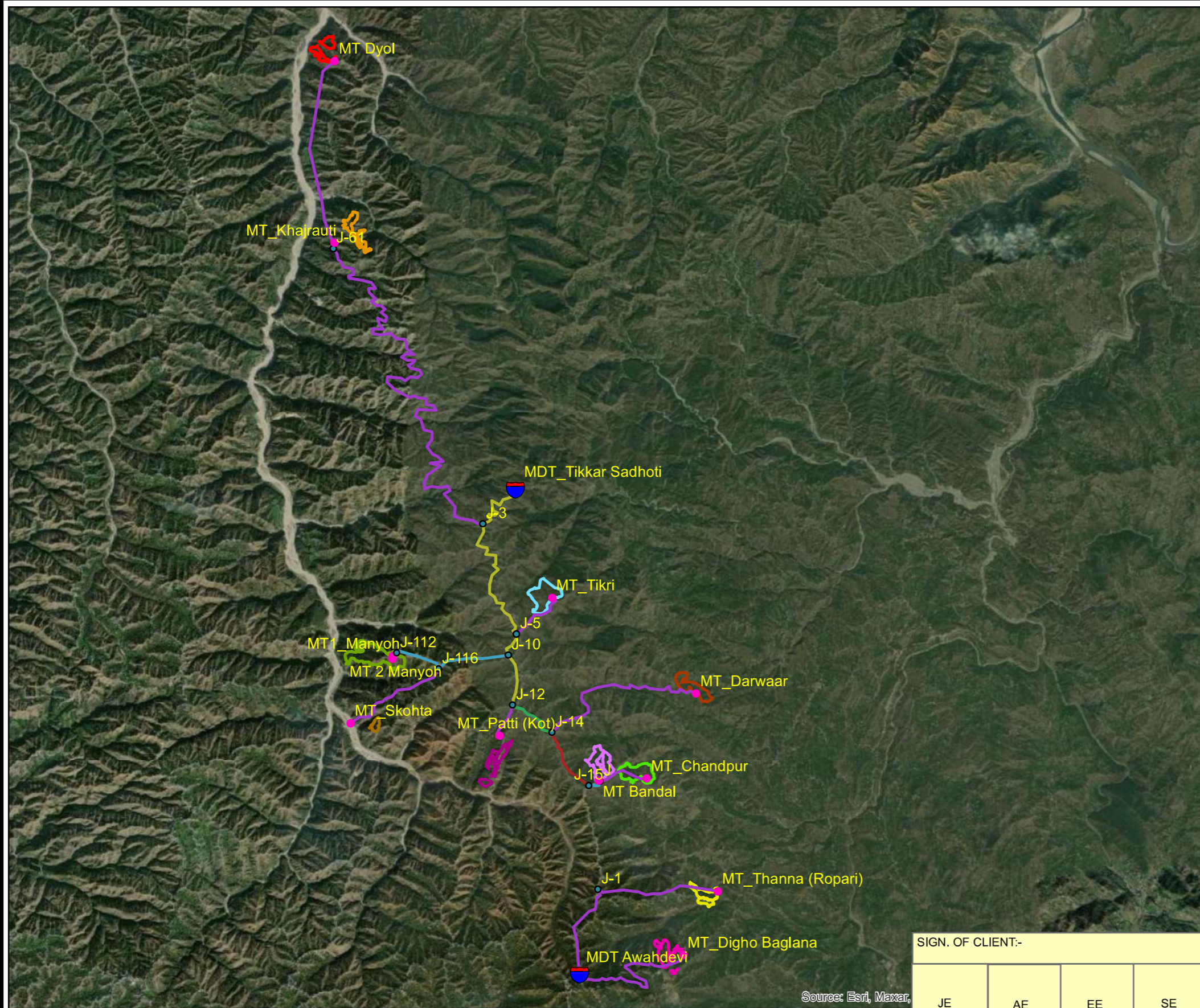
- Source
- Pump
- DT
- MDT
- MT
- Sump
- Tank
- Rising Main 350mm Dia MS Pipe
- Gravity Main 110mm Dia GI Pipe
- Gravity Main 80mm Dia GI Pipe
- BAROTA

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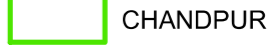



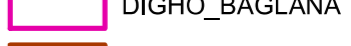


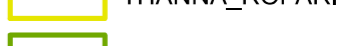
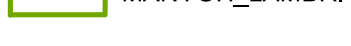
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	IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT		
TITLE:-	<b>NETWORK DRAWING FOR LIS BRANG (BAROTA CLUSTER), DHARAMPUR BLOCK, MANDI DISTRICT.</b>		
	<b>TATACONSULTING ENGINEERS LIMITED. MUMBAI</b>		
	SCALE:- 1:6,000	DWG. No:-	ISSUE:-
DL.CEN:- DEL-CV	<b>TCE.12503A-CV-3082-WS-32223</b>		<b>P0</b>





### 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:-

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**DETAILED DESIGN CONSULTANCY, HP-SHIVA  
(PACKAGE CS09)**

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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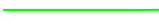




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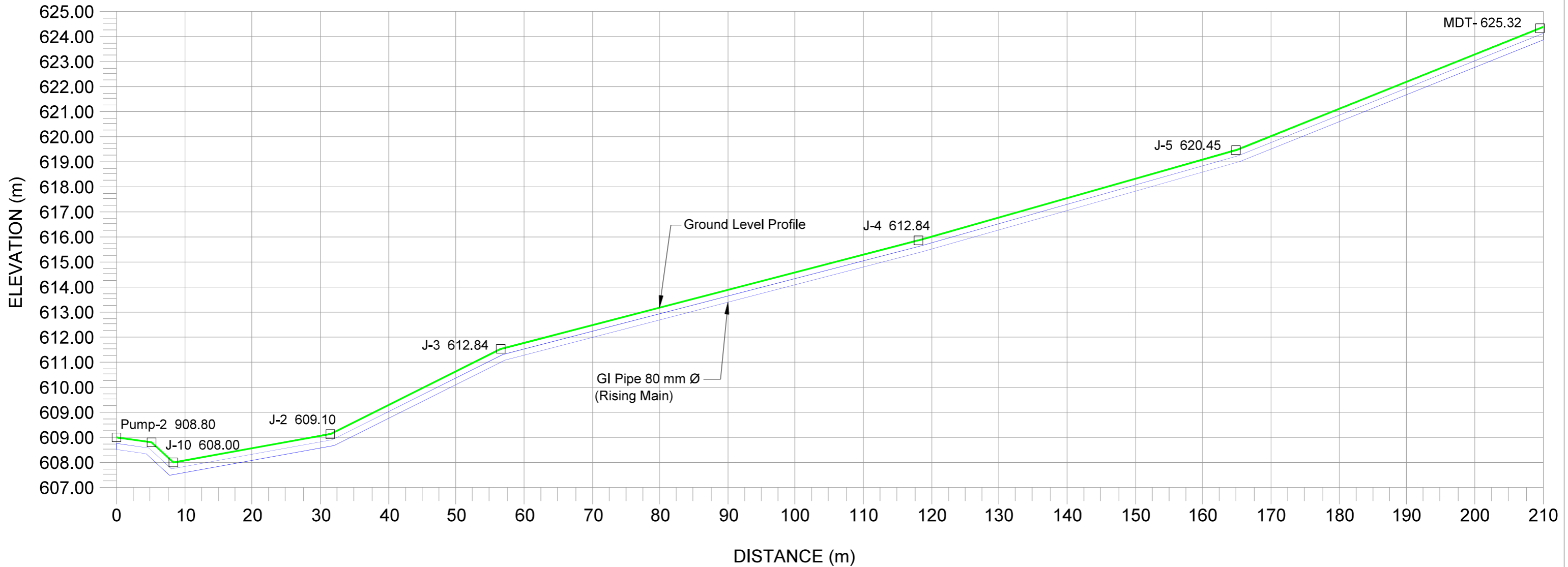


Legend :-

- 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)  
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SCALE : NTS

DWG NO. TCE.12503A-CV-3082-WS-32352

ISSUE P0

FILE NAME 12503A-CV-32352-Rev-P0

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






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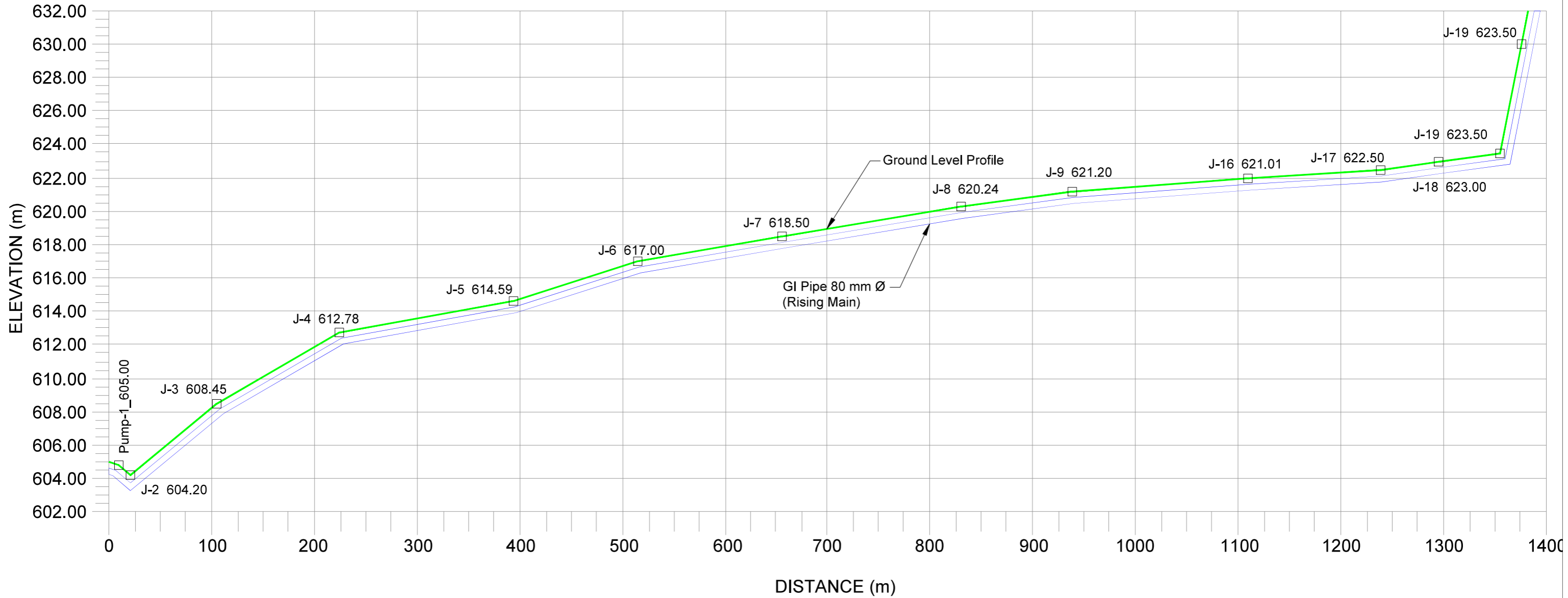


Legend :-

- 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.



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

SIGN. OF CLIENT:-

JE	AE	EE	SE
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PURPOSE: FOR TENDER ONLY

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DWG NO.

TCE.12503A-CV-3082-WS-32353

ISSUE

P1

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

DC & DISC: DEL-CV

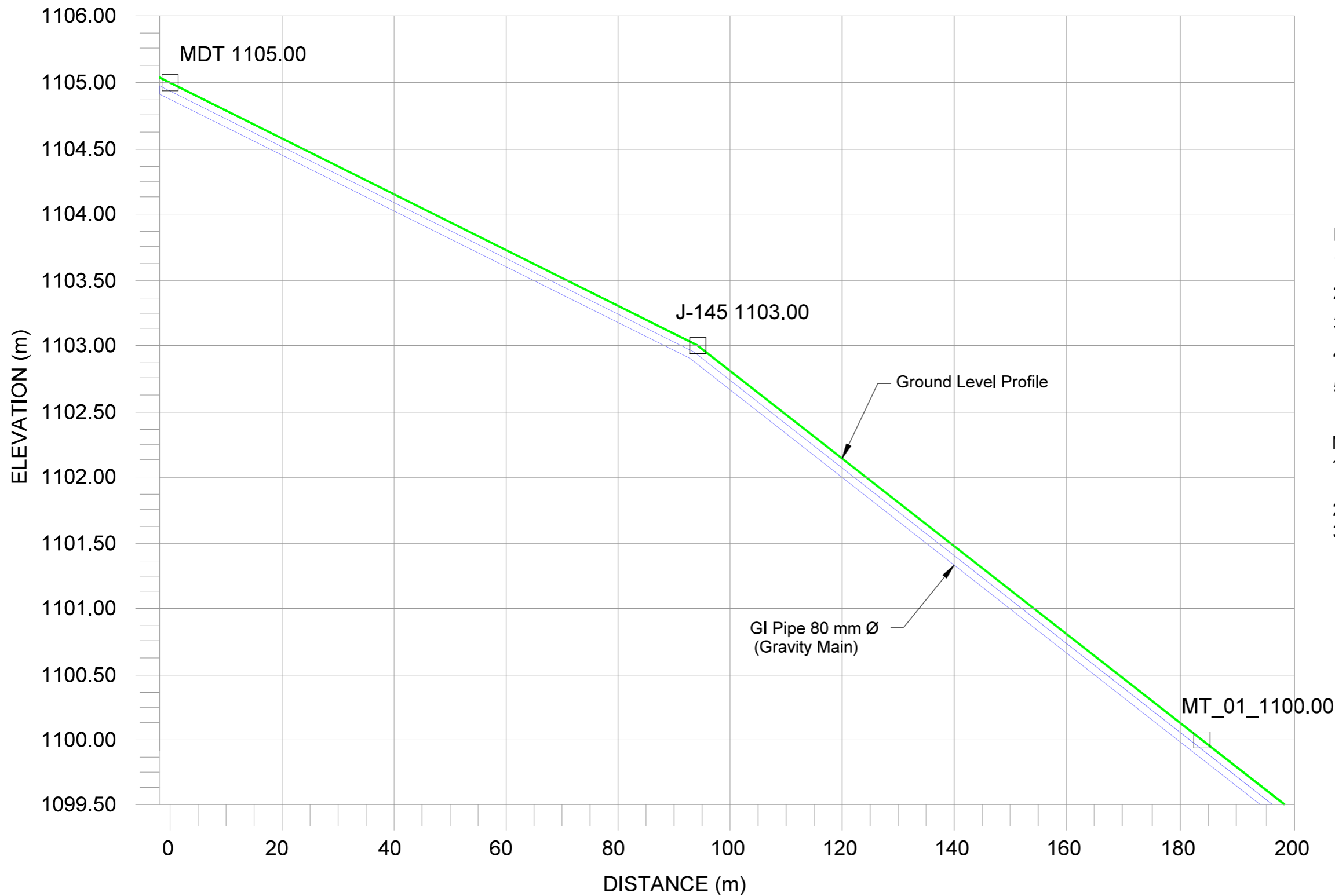
P1	SIGN.	SM	MJ	DVB						MK	DK	20-07-2022	
	REVISIONS	AS PER CLIENT COMMENTS											
P0	SIGN.	BSN	DVB	DG						MK	DK	10-06-2022	
	REVISIONS												
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE (dd-mm-yyyy)	
				CLEARED									

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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.



DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)

IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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TCE.12503A-CV-3082-WS-32354

ISSUE

P0

FILE NAME 12503A-CV-32354Rev-P0

DC & DISC: DEL-CV

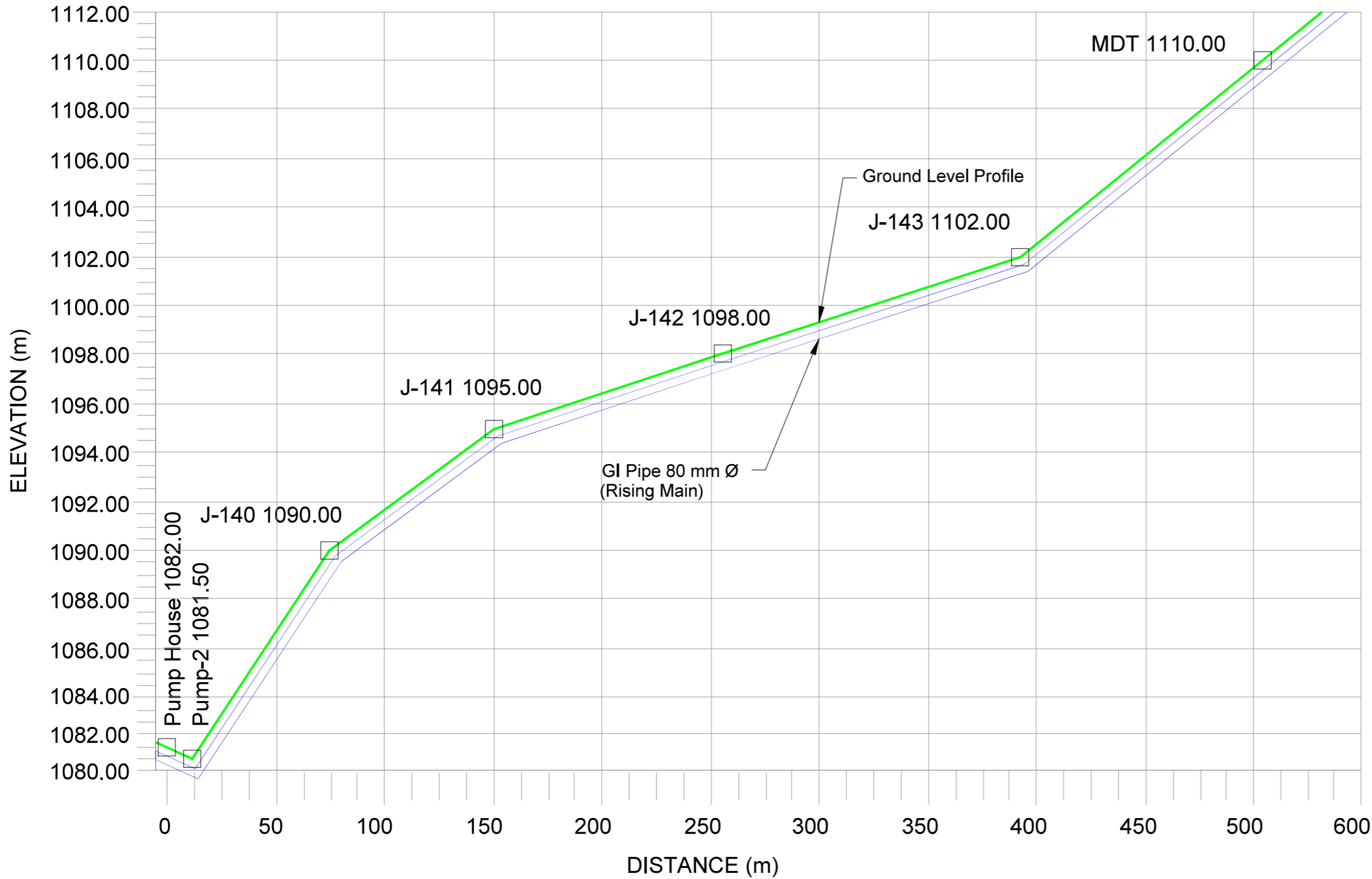
SIGN.											
	INITIALS										
	REVISIONS										
PO	SIGN.										
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	REVISIONS										
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD	DATE
				CLEARED							(dd-mm-yyyy)

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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.
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INITIALS											
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INITIALS	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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FILE NAME 12503A-CV-32355-Rev-P0			

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

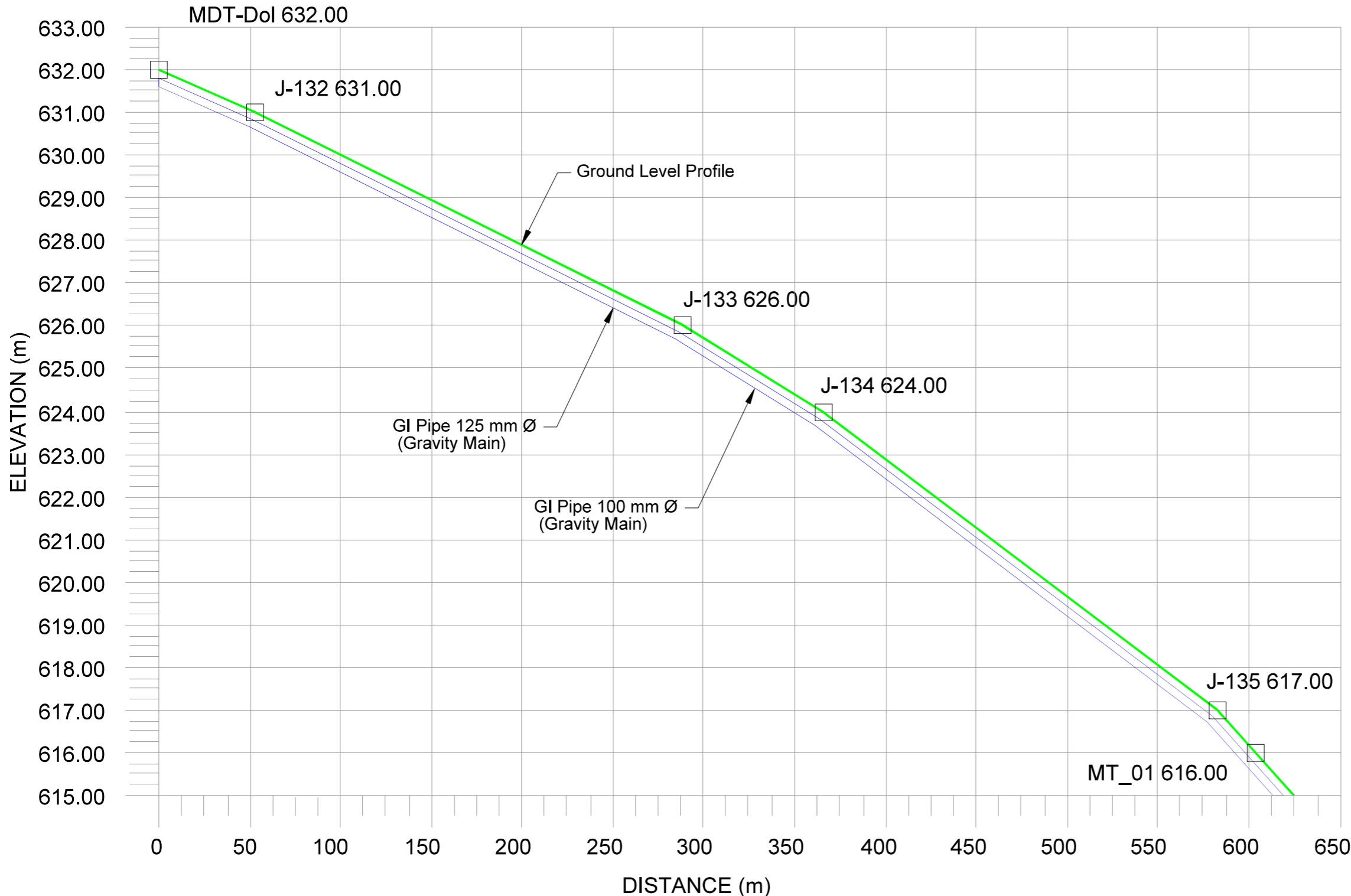
PROPOSED L-SECTION-LIS DHELU  
DEHLU (DHOG) CLUSTER  
CHAUNTARA BLOCK, MANDI DISTRICT (SHEET 2 OF 2)

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SCALE : NTS      DWG NO. TCE.12503A-CV-3082-WS-32355      ISSUE P0

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.
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- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.

P1	SIGN.	SM	MJ	DVB						MK	DK	20-07-2022
	REVISIONS	AS PER CLIENT COMMENTS										
PO	SIGN.									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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FILE NAME 12503A-CV-32356-Rev-P1			

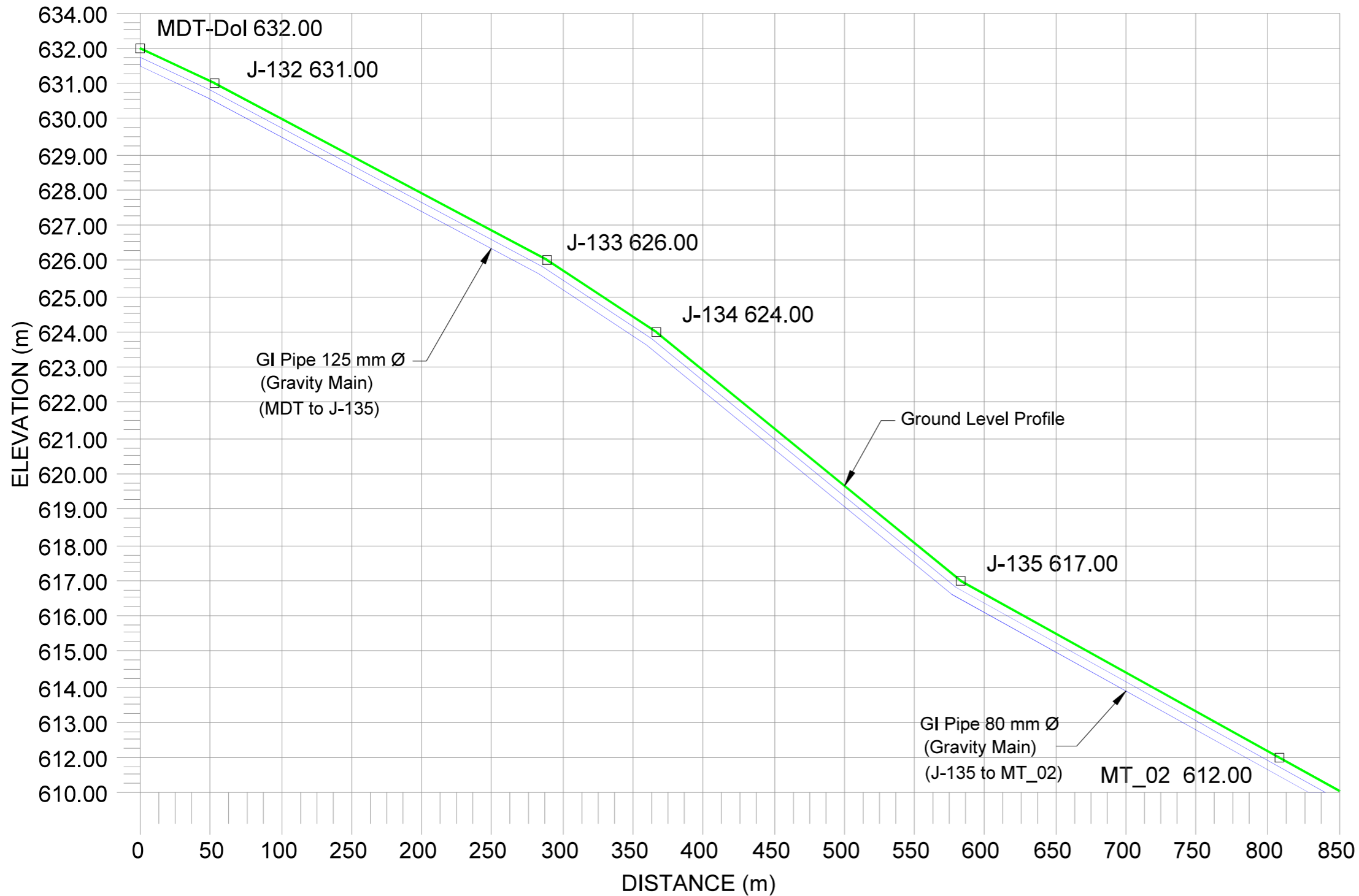
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

**TATA CONSULTING ENGINEERS LIMITED**  
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SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32356	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.	SM	MJ	DVB							MK	DK	20-07-2022
	INITIALS	AS PER CLIENT COMMENTS											
PO	SIGN.	BSN	DVB	DG							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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FILE NAME 12503A-CV-32357-Rev-P1			

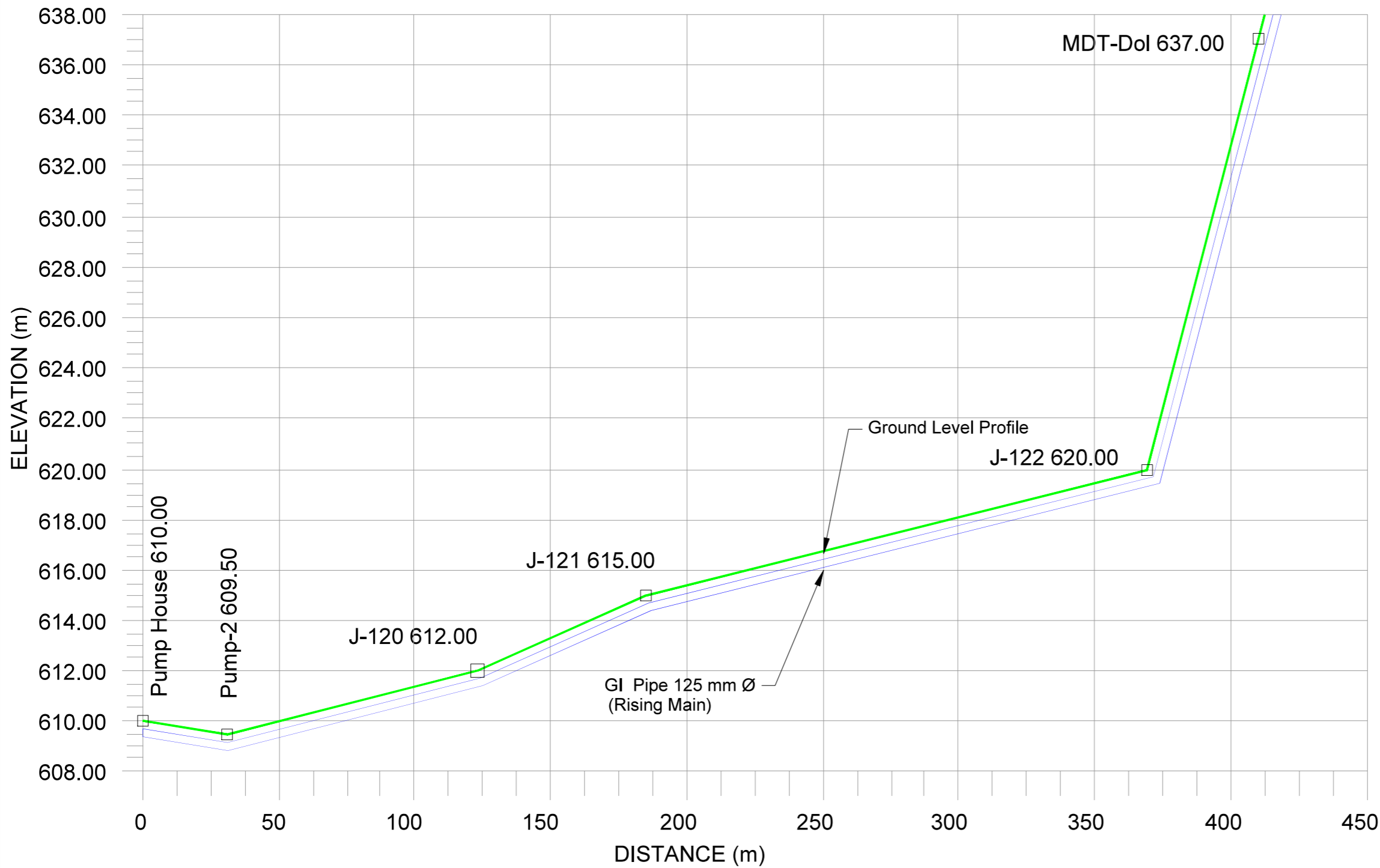
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

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MUMBAI

SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32357	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.	SM	MJ	DVB							MK	DK	20-07-2022
	INITIALS												
REVISIONS AS PER CLIENT COMMENTS													
PO	SIGN.										MK	DK	10-06-2022
	INITIALS	BSN	DVB	DG									
REVISIONS													
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE (dd-mm-yyyy)	
				CLEARED									

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FILE NAME 12503A-CV-32358-Rev-P1			

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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 3 OF 3)

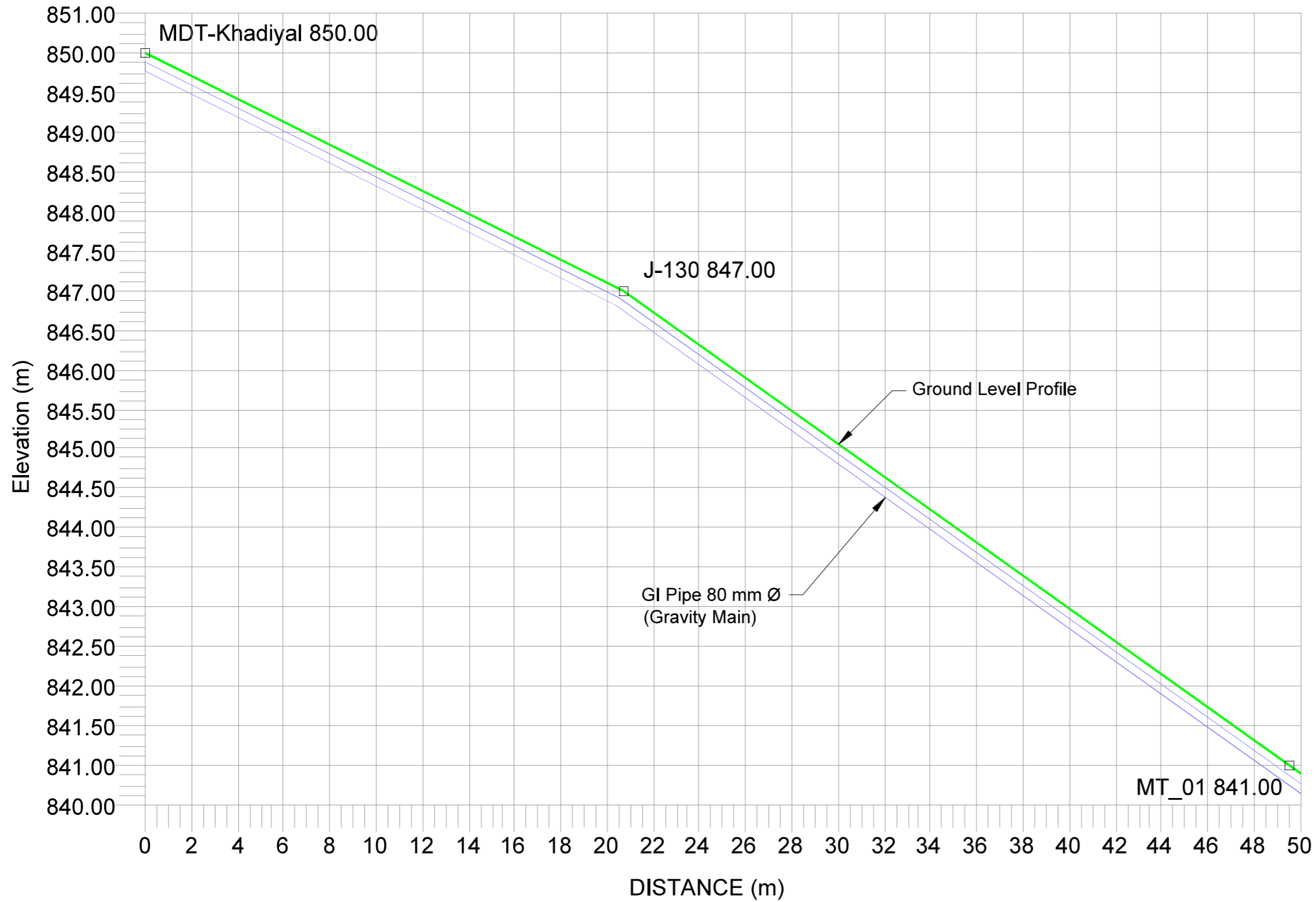
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SCALE : NTS	DWG NO. TCE.12503A-CV-3082-WS-32358	ISSUE P1
DC & DISC: DEL-CV		









- 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)



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

SCALE : NTS

DWG NO.

TCE.12503A-CV-3082-WS-32360

ISSUE

P1

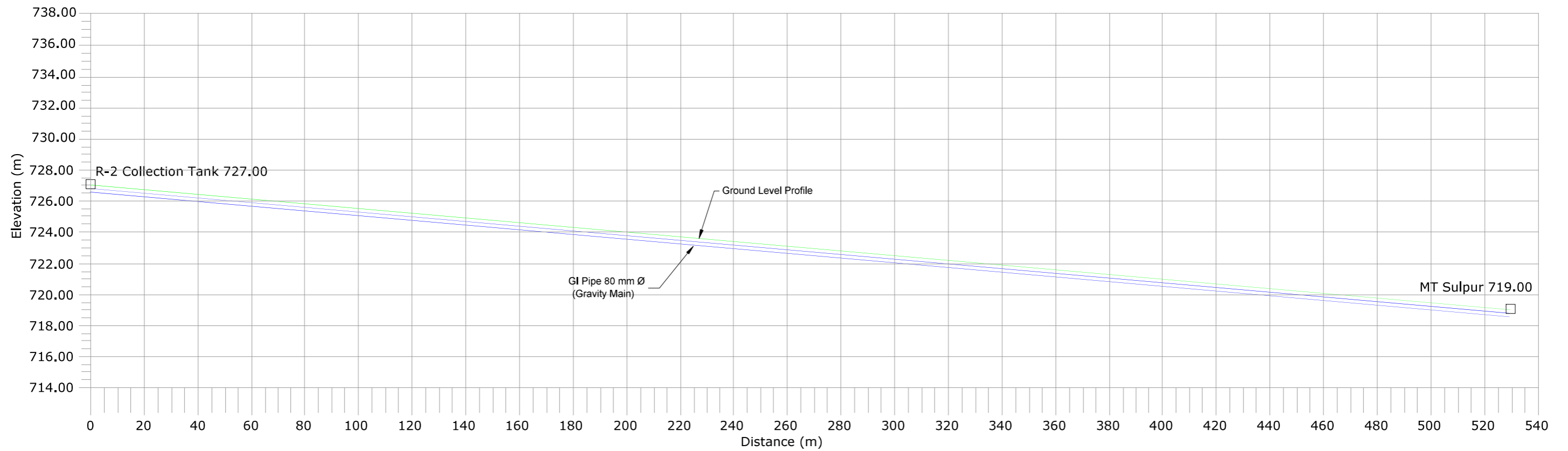
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PO	SIGN.	BSN	DVB	DG						MK	DK	10-06-2022
	REVISIONS											
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME		PE/PM	APPD	DATE (dd-mm-yyyy)	
				CLEARED								

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

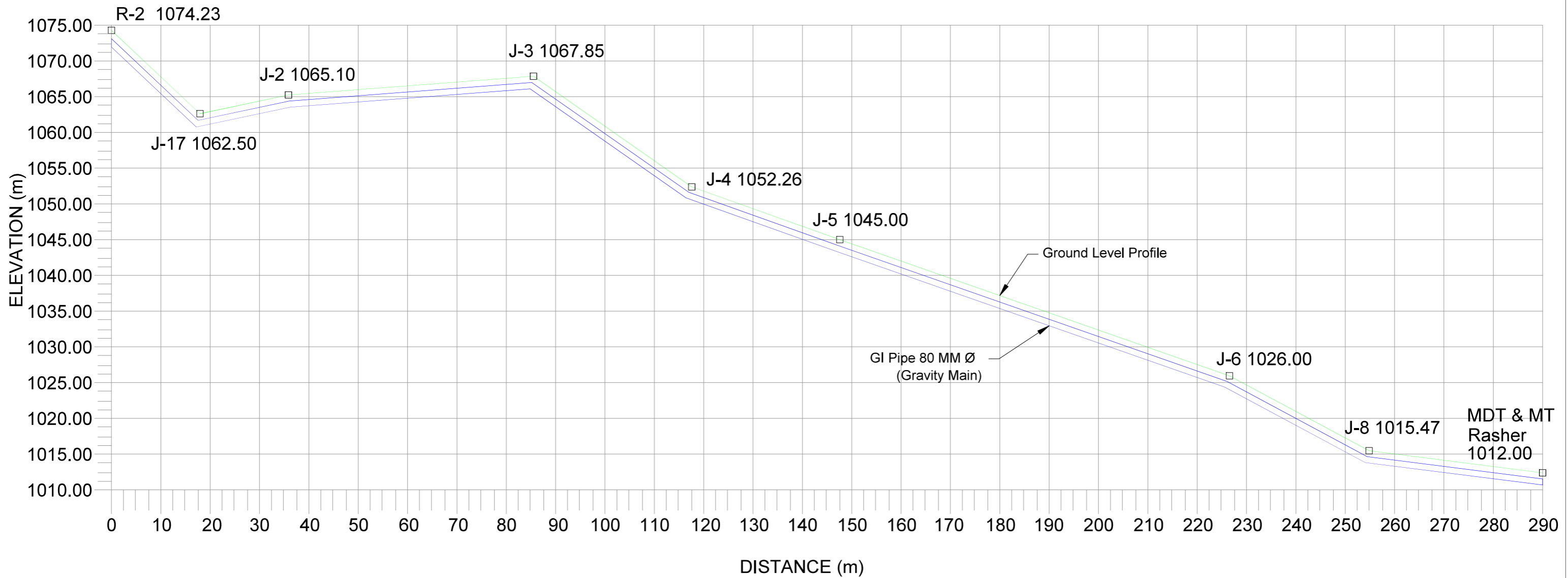
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

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

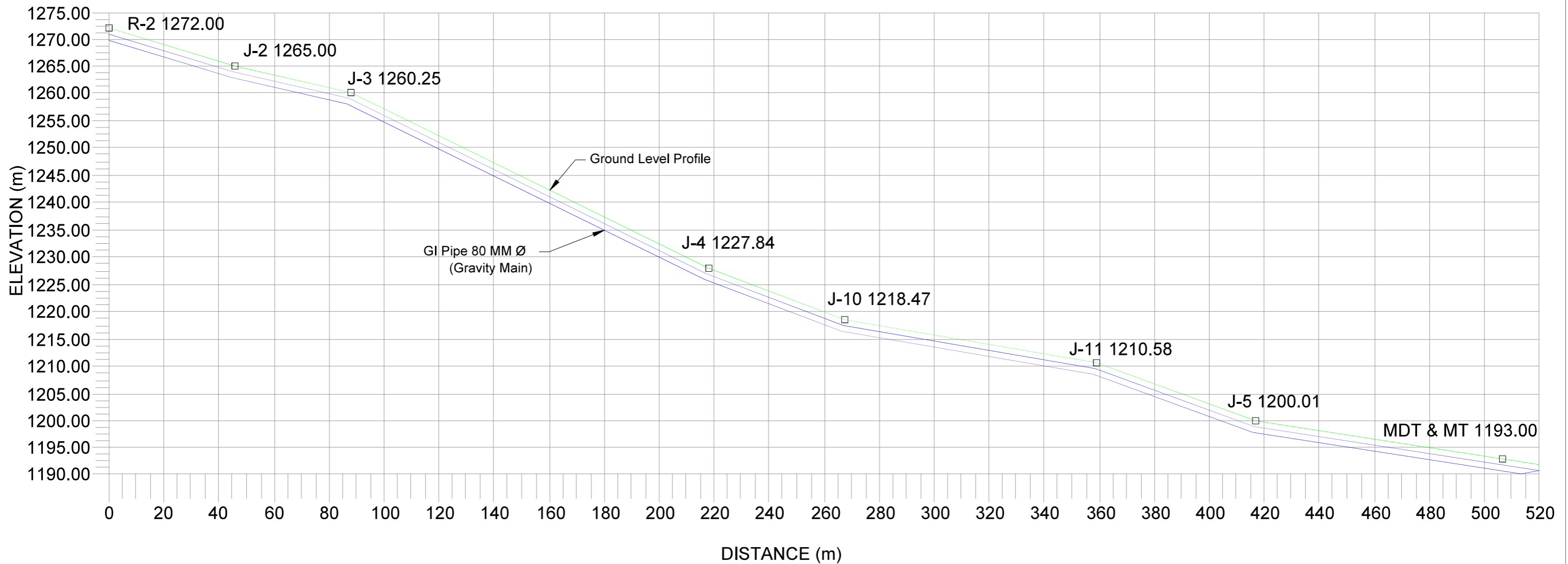
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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.

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	REVISIONS												
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME			PE/PM	APPD	DATE (dd-mm-yyyy)	
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FILE NAME 12503A-CV-32363-Rev-P1			

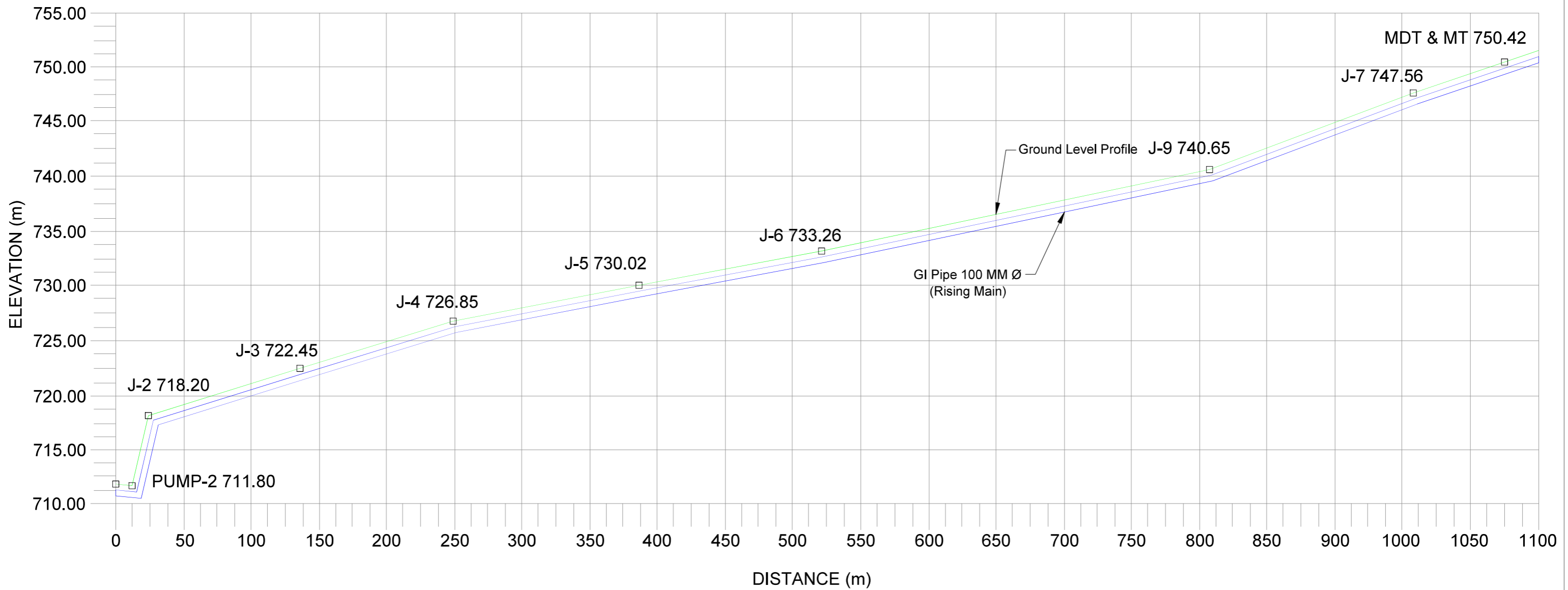
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

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

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

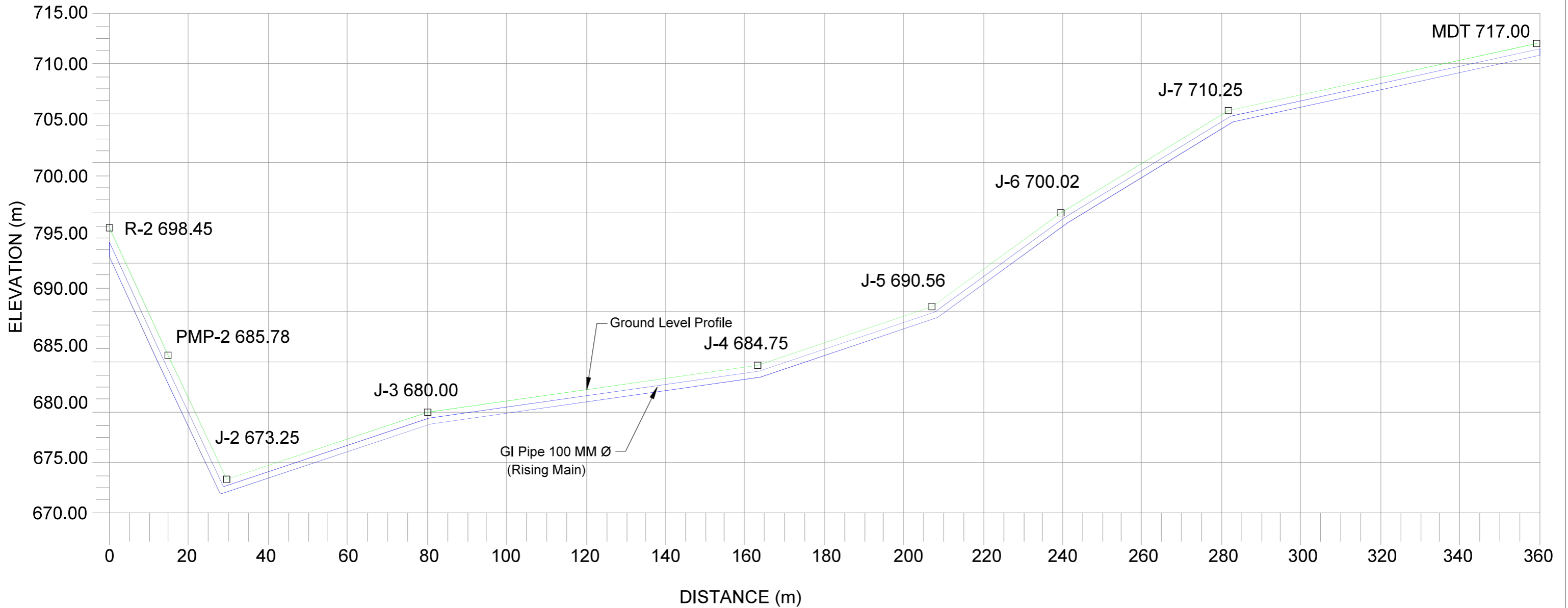
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

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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.

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FILE NAME 12503A-CV-32365-Rev-PO			

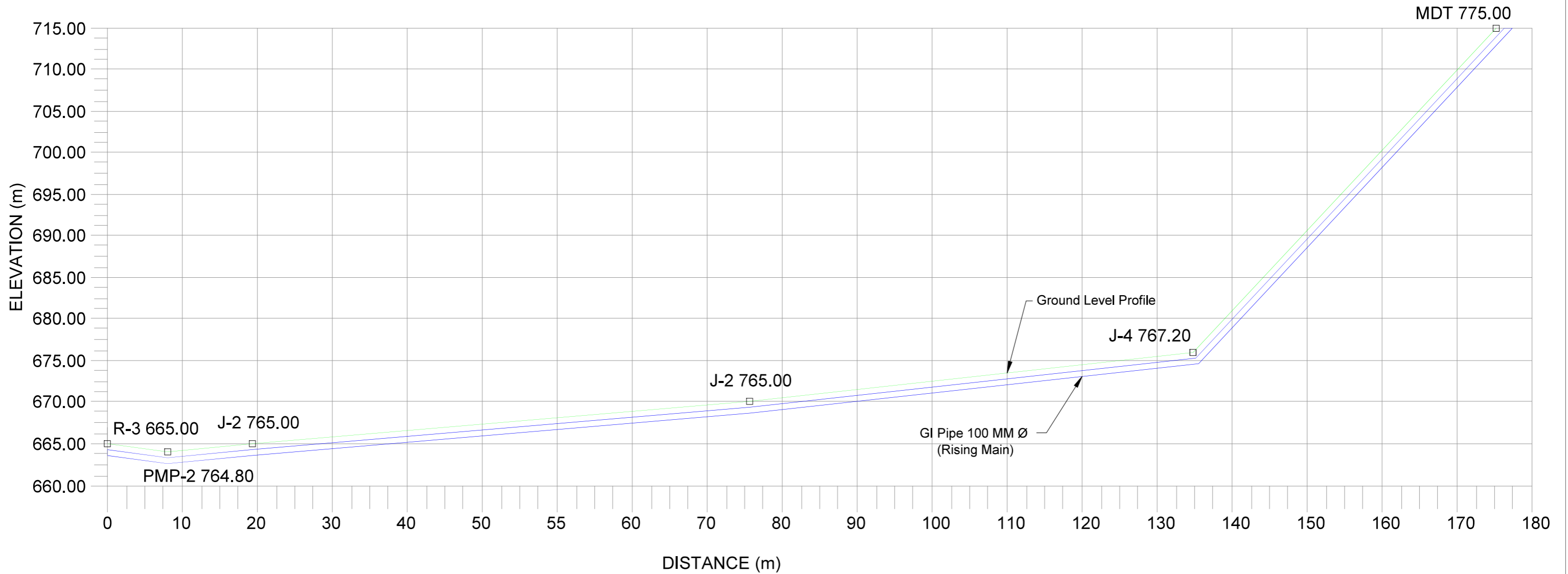
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE-CS09)  
IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

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

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IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT

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

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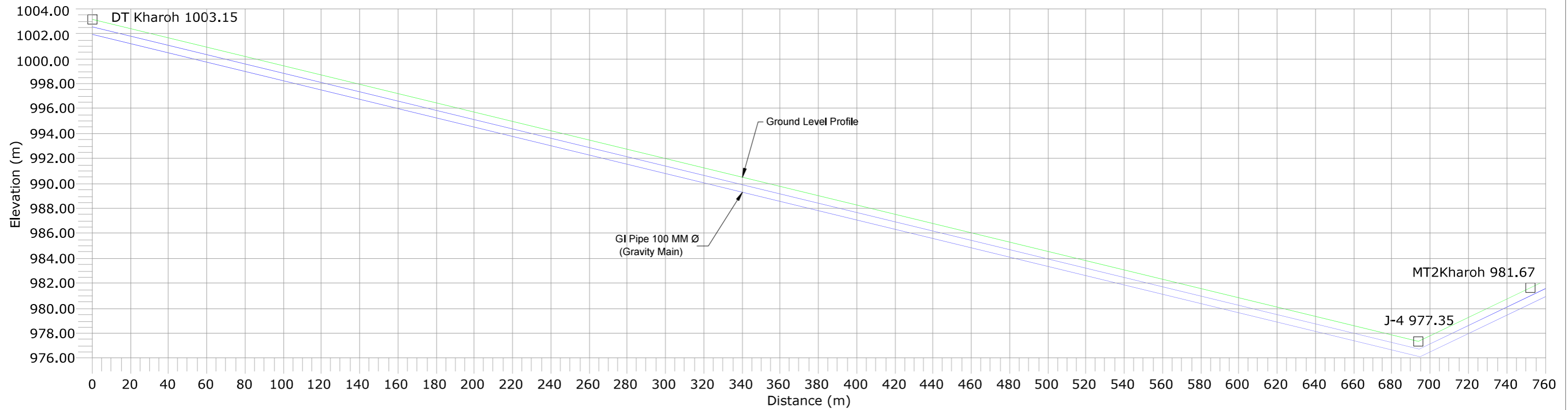
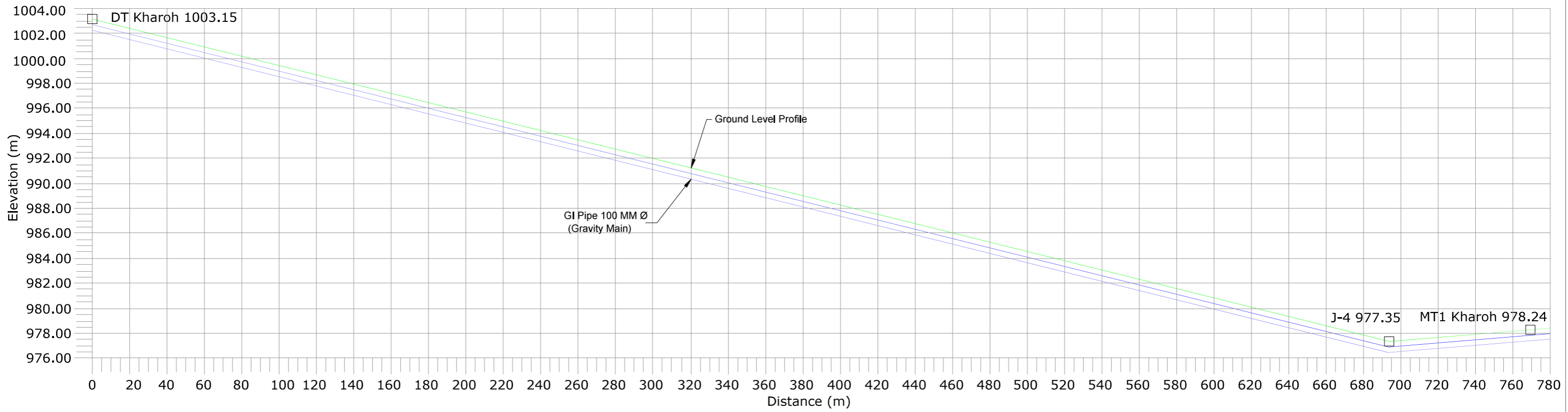




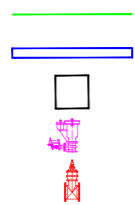








- Legend :-**
- 1. Ground Level
  - 2. Rising Main
  - 3. Junction
  - 4. Air Valve
  - 5. Scour Valve



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



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DWG NO. TCE.12503A-CV-3082-WS-32369

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FILE NAME 12503A-CV-32369-Rev-P1

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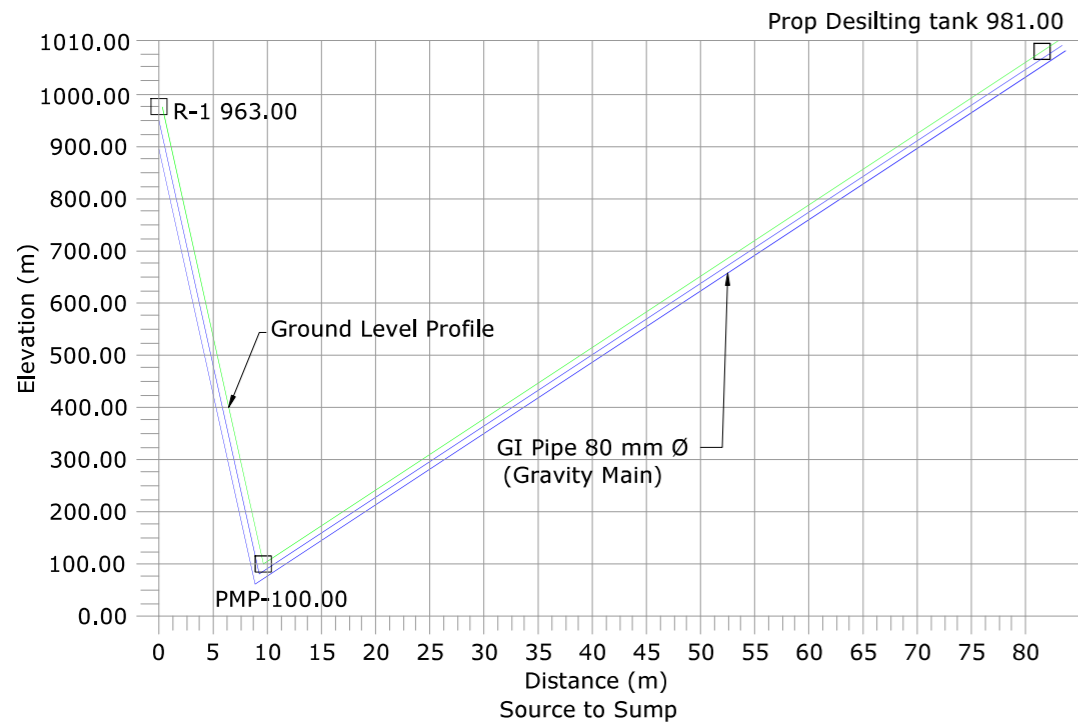
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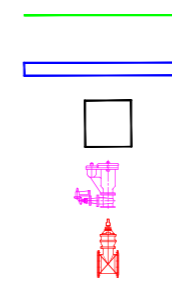
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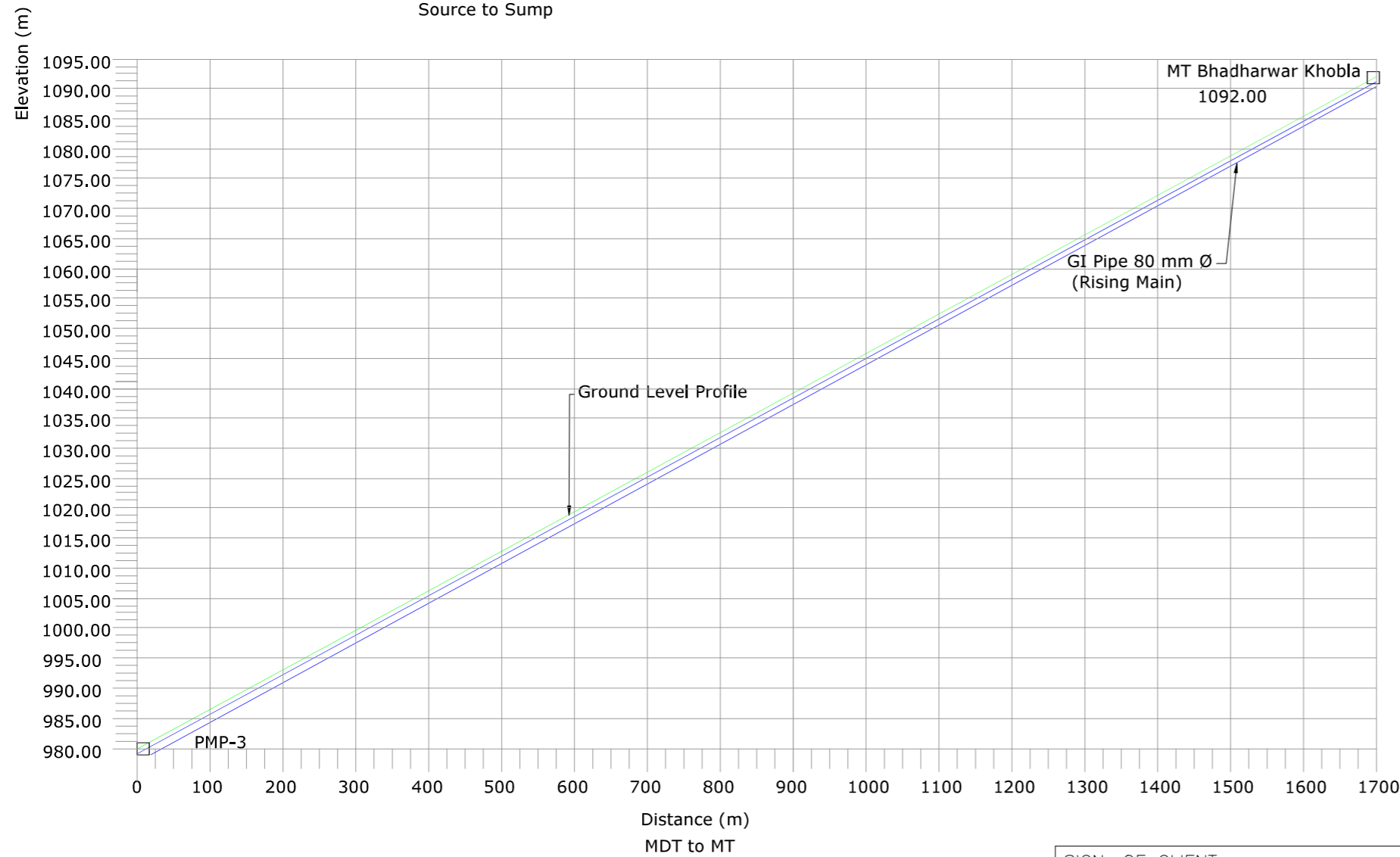
**Legend :-**

- 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.
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- 3 - Above is Tentative Arrangement. Based on Actual Site Condition size, Quantity and Location of Proposed Valves May Vary.



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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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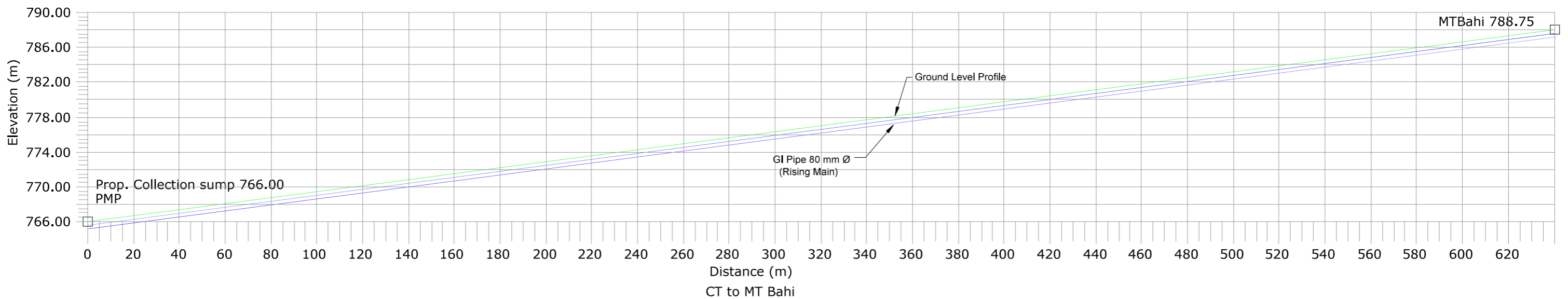
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FILE NAME 12503A-CV-32370-Rev-P1	DC & DISC: DEL-CV	





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

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