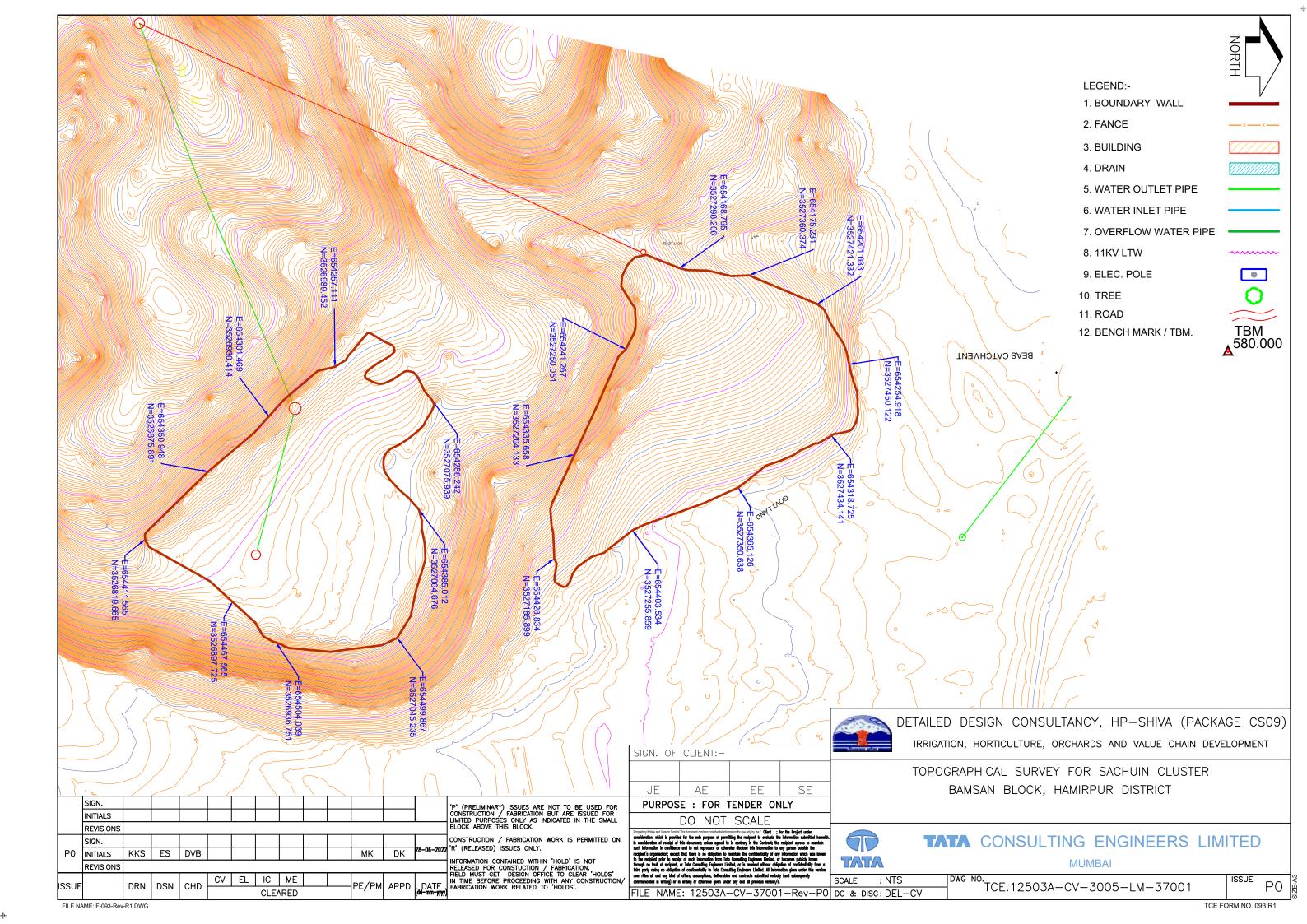
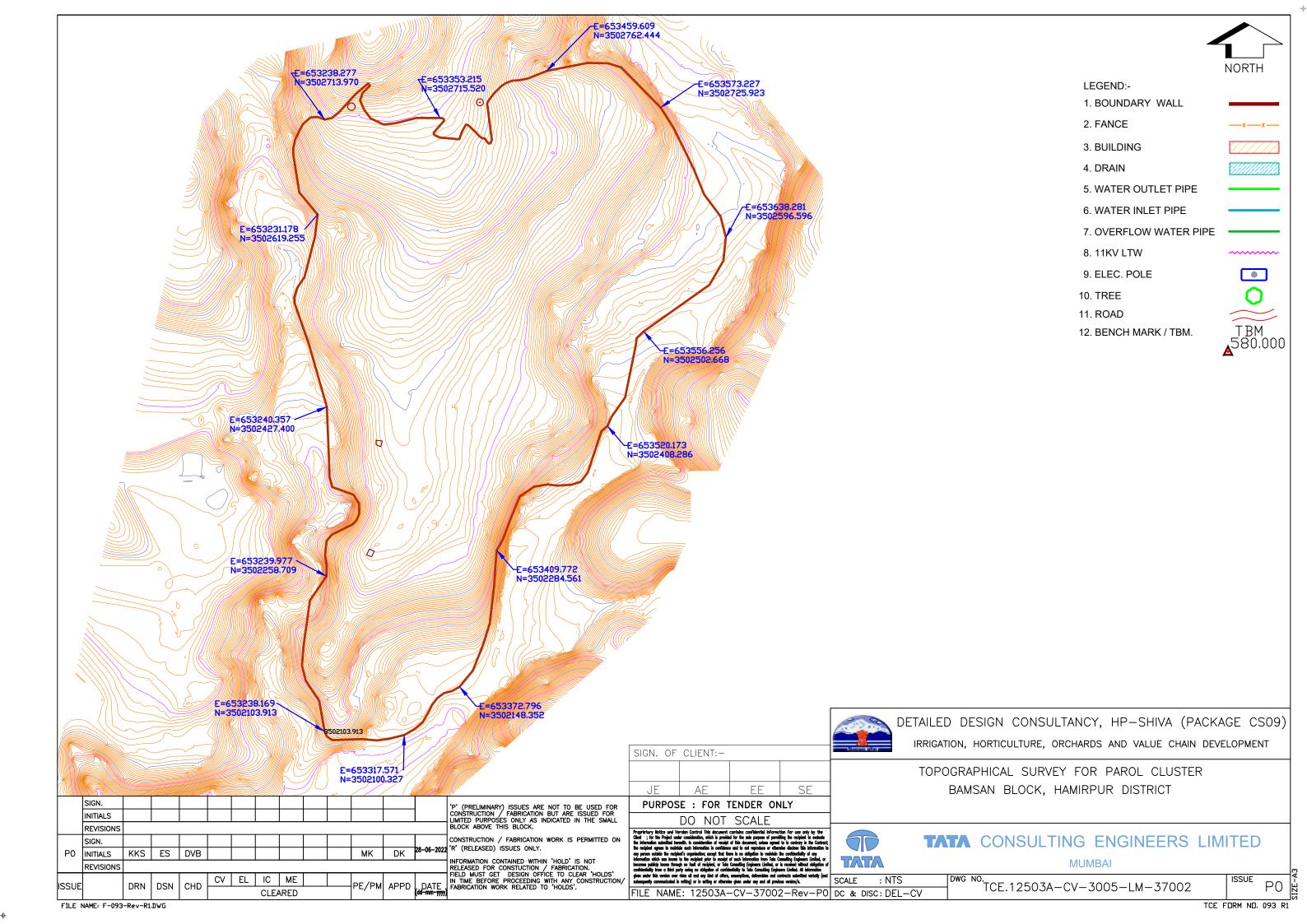
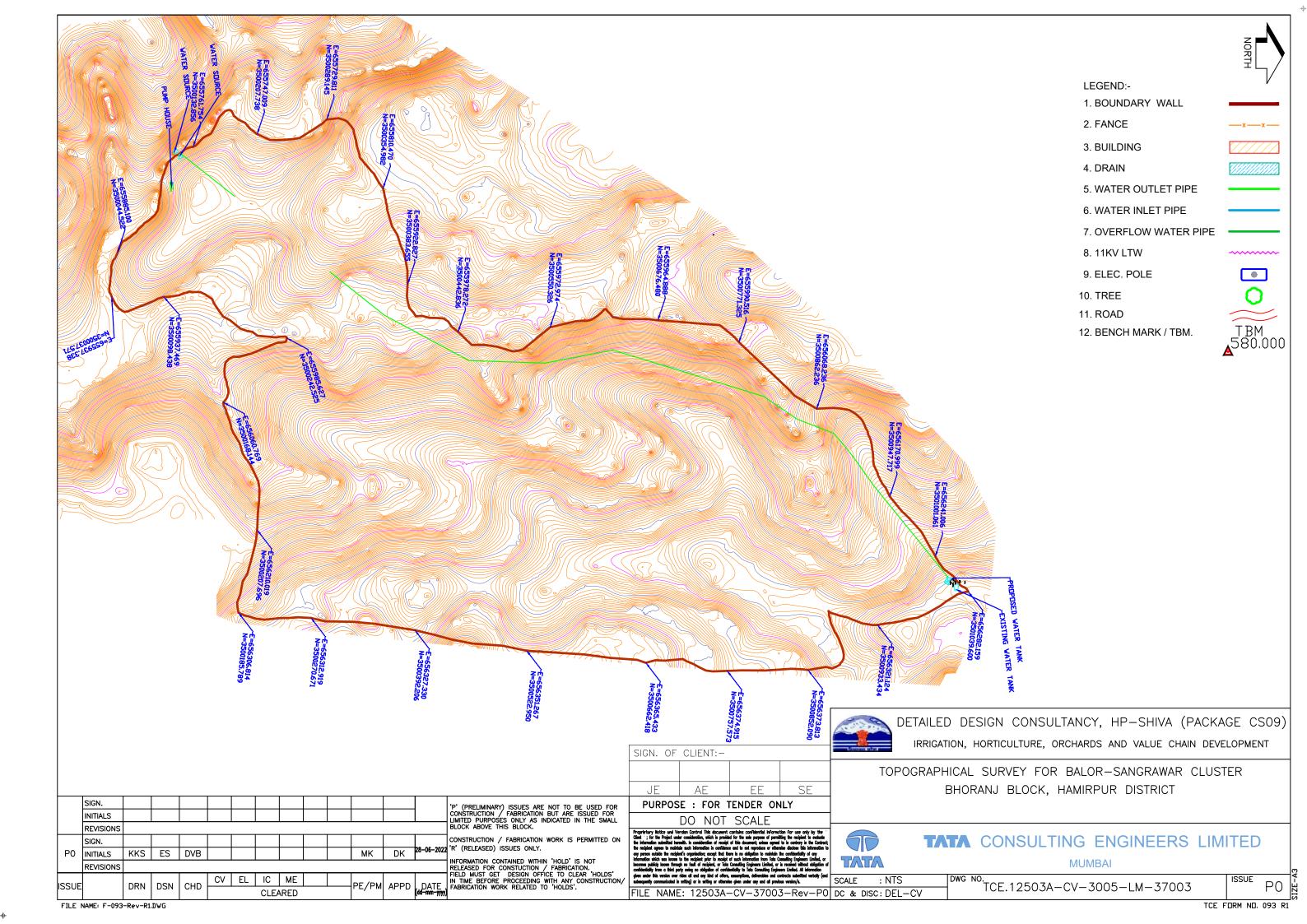
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2	TCE.12503A-CV-3005-LM-37002	12503A-CV-37002-Rev-P0	TOPOGRAPHICAL SURVEY FOR PAROL CLUSTER	А3	P0			
3	TCE.12503A-CV-3005-LM-37003	12503A-CV-37003-Rev-P0	TOPOGRAPHICAL SURVEY FOR BALOR-SANGRAWAR CLUSTER	A3	P0			
4	TCE.12503A-CV-3005-LM-37004	12503A-CV-37004-Rev-P0	TOPOGRAPHICAL SURVEY FOR JOL CLUSTER	А3	P0			
5	TCE.12503A-CV-3005-LM-37005	12503A-CV-37005-Rev-P0	TOPOGRAPHICAL SURVEY FOR LAGMANWIN CLUSTER		P0			
6	TCE.12503A-CV-3005-LM-37006	12503A-CV-37006-Rev-P0	TOPOGRAPHICAL SURVEY FOR LAMBAGRAM/ PLASSI CLUSTER	А3	P0			
7	TCE.12503A-CV-3005-LM-37007	12503A-CV-37007-Rev-P0	TOPOGRAPHICAL SURVEY FOR MUNDKHAD TULSI CLUSTER	А3	P0			
8	TCE.12503A-CV-3005-LM-37008	12503A-CV-37008-Rev-P0	TOPOGRAPHICAL SURVEY FOR SAMLOG CLUSTER	A3	P0			
9	TCE.12503A-CV-3005-LM-37009	12503A-CV-37009-Rev-P0	TOPOGRAPHICAL SURVEY FOR BHALAT CLUSTER	A3	P0			
10	TCE.12503A-CV-3005-LM-37010	12503A-CV-37010-Rev-P0	TOPOGRAPHICAL SURVEY FOR LAFRAN CLUSTER	A3	P0			
11	TCE.12503A-CV-3005-LM-37011	12503A-CV-37011-Rev-P0	TOPOGRAPHICAL SURVEY FOR GHANGOT CLUSTER	A3	P0			
12	TCE.12503A-CV-3005-LM-37012	12503A-CV-37012-Rev-P0	TOPOGRAPHICAL SURVEY FOR KALWAL CLUSTER		P0			
13	TCE.12503A-CV-3005-LM-37013	12503A-CV-37013-Rev-P0	TOPOGRAPHICAL SURVEY FOR SERI-BHAKREDI CLUSTER	А3	P0			
14	TCE.12503A-CV-3082-FD-37151	12503A-CV-37151-Rev-P0	FLOW DIAGRAM FOR EXISTING LIS SACHUIN	A3	P0			
15	TCE.12503A-CV-3082-FD-37152	12503A-CV-37152-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS PAROL	A3	P0			
16	TCE.12503A-CV-3082-FD-37153	12503A-CV-37153-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS BALOR-SANGRAWAR	A3	P0			
17	TCE.12503A-CV-3082-FD-37154	12503A-CV-37154-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS JOL	A3	P0			
18	TCE.12503A-CV-3082-FD-37155	12503A-CV-37155-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS LAGMANWIN	A3	P0			
19	TCE.12503A-CV-3082-FD-37156	12503A-CV-37156-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS LAMBAGRAM/ PLASSI	A3	P0			
20	TCE.12503A-CV-3082-FD-37157	12503A-CV-37157-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS MUNDKHAD TULSI	A3	P0			
21	TCE.12503A-CV-3082-FD-37158	12503A-CV-37158-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS SAMLOG	A3	P0			
22	TCE.12503A-CV-3082-FD-37159	12503A-CV-37159-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS BHALAT	A3	P0			
23	TCE.12503A-CV-3082-FD-37160	12503A-CV-37160-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS LAFRAN	A3	P0			
24	TCE.12503A-CV-3082-FD-37161	12503A-CV-37161-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS GHANGOT	A3	P0			
25	TCE.12503A-CV-3082-FD-37162	12503A-CV-37162-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS KALWAL	A3	P0			
26	TCE.12503A-CV-3082-FD-37163	12503A-CV-37163-Rev-P0	FLOW DIAGRAM FOR PROPOSED LIS SERI-BHAKREDI	A3	P0			
27	TCE.12503A-CV-3082-WS-37201	12503A-CV-37201-Rev-P0	NETWORK DRAWING FOR LIS SACHUIN	A3	P0			
28	TCE.12503A-CV-3082-WS-37202	12503A-CV-37202-Rev-P0	NETWORK DRAWING FOR LIS PAROL	A3	P0			
29	TCE.12503A-CV-3082-WS-37203	12503A-CV-37203-Rev-P0	NETWORK DRAWING FOR LIS BALOR-SANGRAWAR	A3	P0			
30	TCE.12503A-CV-3082-WS-37204	12503A-CV-37204-Rev-P0	NETWORK DRAWING FOR LIS JOL	A3	P0			
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32	TCE.12503A-CV-3082-WS-37206	12503A-CV-37206-Rev-P0	NETWORK DRAWING FOR LIS LAMBAGRAM/ PLASSI	A3	P0			
33	TCE.12503A-CV-3082-WS-37207	12503A-CV-37207-Rev-P0	NETWORK DRAWING FOR LIS MUNDKHAD TULSI	А3	P0			
34	TCE.12503A-CV-3082-WS-37208	12503A-CV-37208-Rev-P0	NETWORK DRAWING FOR LIS SAMLOG	A3	P0			
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36	TCE.12503A-CV-3082-WS-37210	12503A-CV-37210-Rev-P0	NETWORK DRAWING FOR LIS LAFRAN	A3	P0			
37	TCE.12503A-CV-3082-WS-37211	12503A-CV-37211-Rev-P0	NETWORK DRAWING FOR LIS GHANGOT	A3	P0			
38	TCE.12503A-CV-3082-WS-37212	12503A-CV-37212-Rev-P0	NETWORK DRAWING FOR LIS KALWAL	A3	P0			
39	TCE.12503A-CV-3082-WS-37213	12503A-CV-37213-Rev-P0	NETWORK DRAWING FOR LIS SERI-BHAKREDI	A3	P0			
40	TCE.12503A-CV-3082-WS-37351	12503A-CV-37351-Rev-P0	PROPOSED L-SECTION - LIS SACHUIN	A3	P0			
41	TCE.12503A-CV-3082-WS-37352	12503A-CV-37352-Rev-P0	PROPOSED L-SECTION - LIS PAROL	A3	P0			
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43	TCE.12503A-CV-3082-WS-37354	12503A-CV-37354-Rev-P0	PROPOSED L-SECTION - LIS JOL	A3	P0			
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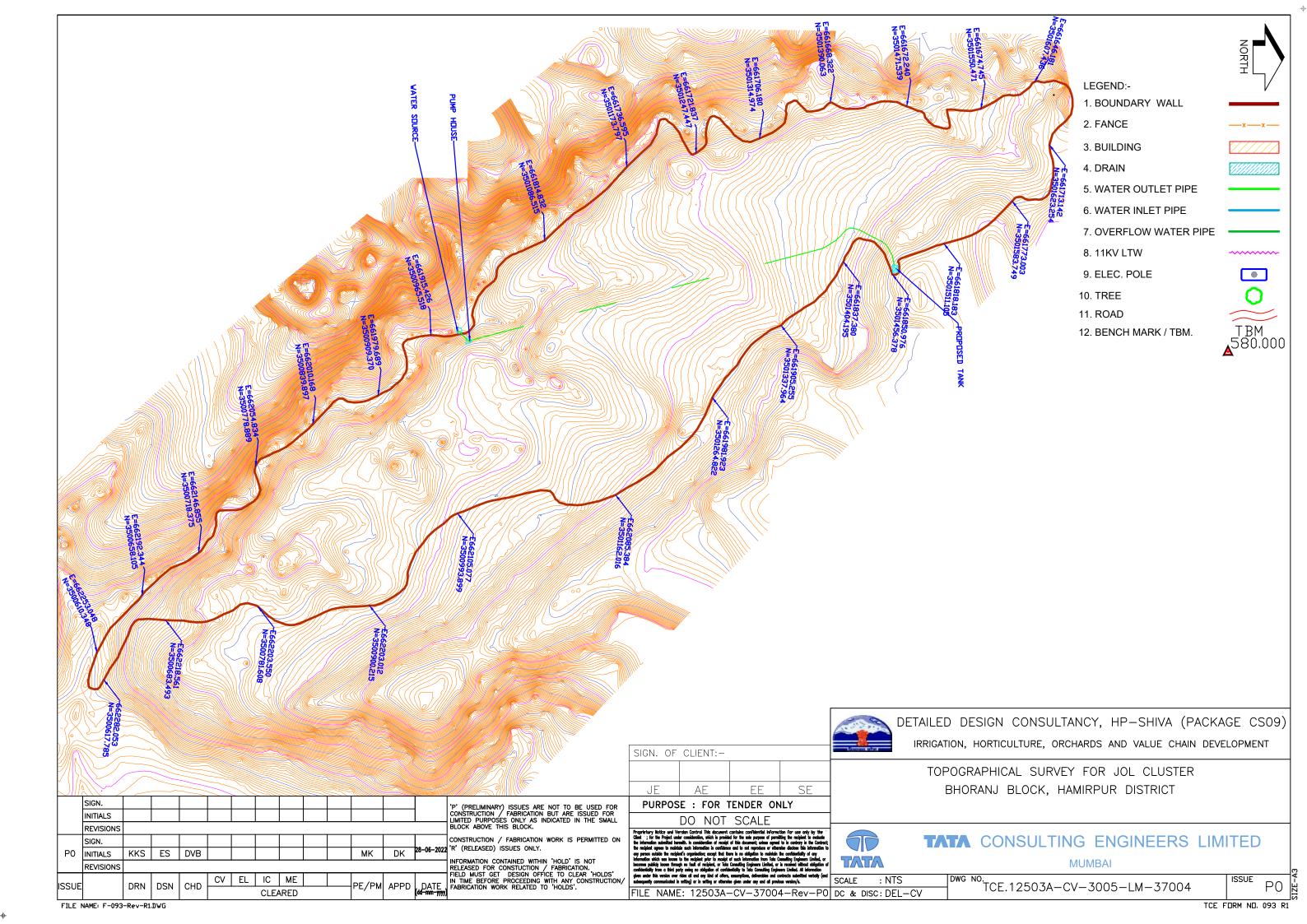
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46	TCE.12503A-CV-3082-WS-37357	12503A-CV-37357-Rev-P0	PROPOSED L-SECTION - LIS MUNDKHAD TULSI	A3	P0		
47	TCE.12503A-CV-3082-WS-37358	12503A-CV-37358-Rev-P0	PROPOSED L-SECTION - LIS SAMLOG	А3	P0		
48	TCE.12503A-CV-3082-WS-37359	12503A-CV-37359-Rev-P0	PROPOSED L-SECTION - LIS BHALAT	А3	P0		
49	TCE.12503A-CV-3082-WS-37360	12503A-CV-37360-Rev-P0	PROPOSED L-SECTION - LIS LAFRAN		P0		
50	TCE.12503A-CV-3082-WS-37361	12503A-CV-37361-Rev-P0	PROPOSED L-SECTION - LIS GHANGOT	А3	P0		
51	TCE.12503A-CV-3082-WS-37362	12503A-CV-37362-Rev-P0	PROPOSED L-SECTION - LIS KALWAL		P0		
52	TCE.12503A-CV-3082-WS-37363	12503A-CV-37363-Rev-P0	PROPOSED L-SECTION - LIS SERI-BHAKREDI	A3	P0		
53	TCE.12503A-CV-3082-WS-30581	12503A-CV-30581-Rev-P0	TYPICAL SLUICE VALVE CHAMBER DETAILS	А3	P0		
54	TCE.12503A-CV-3082-WS-30582	12503A-CV-30582-Rev-P0	TYPICAL DETAILS FOR THRUST BLOCK	А3	P0		
55	TCE.12503A-CV-3082-RC-30583	12503A-CV-30583-Rev-P0	TYPICAL DETAILS FOR SADDLE SUPPORT	А3	P0		
56	TCE.12503A-CV-3082-GA-30584	12503A-CV-30584-Rev-P0	TYPICAL GLSR DETAILS (100000, 150000, 200000, 250000 LITRE CAPACITY)	А3	P0		
57	TCE.12503A-CV-3082-WS-30585	12503A-CV-30585-Rev-P0	TYPICAL DETAILS FOR SCOUR VALVE AND AIR VALVE CHAMBER	А3	P0		
58	TCE.12503A-CV-3082-GA-30586	12503A-CV-30586-Rev-P1	TYPICAL DETAILS FOR PUMP HOUSE	А3	P1		
59	TCE.12503A-CV-3082-GA-30587	12503A-CV-30587-Rev-P1	GENERAL ARRANGEMENT FOR INTAKE WELL	А3	P1		
60	TCE.12503A-CV-3082-WS-30588	12503A-CV-30588-Rev-P0	TYPICAL DETAILS FOR BEDDING AND TRENCH	А3	P0		
61	TCE.12503A-CV-3082-GA-30589	12503A-CV-30589-Rev-P0	GENERAL ARRANGEMENT FOR CHECK DAM	А3	P0		
62	TCE.12503A-CV-3082-GA-30590	12503A-CV-30590-Rev-P0	TYPICAL DETAILS FOR DESILTING TANK	А3	P0		
63	TCE.12503A-CV-3082-GA-30591	12503A-CV-30591-Rev-P0	TYPICAL DETAILS OF ELSR	А3	P0		
64	TCE.12503A-CV-3082-GA-30592	12503A-CV-30592-Rev-P0	TYPICAL DETAILS FOR PERCOLATION WELL	A3 P0			
65	TCE.12503A-EL-4002-AU-40001	12503A-CV-40001-Rev-P0	TYPICAL SLD FOR LIS PUMPING STATION HAVING LT MOTOR LOADS WITH MAX CONTRACT DEMAND ≤50 kVA	А3	P0		
66	TCE.12503A-EL-4002-AU-40002	12503A-CV-40002-Rev-P0	TYPICAL SLD FOR LIS PUMPING STATION HAVING LT MOTOR LOADS WITH MAX CONTRACT DEMAND >50 kVA	А3	P0		
67	TCE.12503A-EL-4002-AU-40003	12503A-CV-40003-Rev-P0	TYPICAL SLD FOR LIS PUMPING STATION HAVING HT MOTOR LOADS WITH MAX CONTRACT DEMAND >50 kVA	А3	P0		
68	TCE.12503A-EL-4002-AU-40004	12503A-CV-40004-Rev-P0	GENERAL NOTES & LEGENDS FOR TYPICAL SLD for LIS PUMPING STATION HAVING LT/ HT MOTOR LOADS	А3	P0		

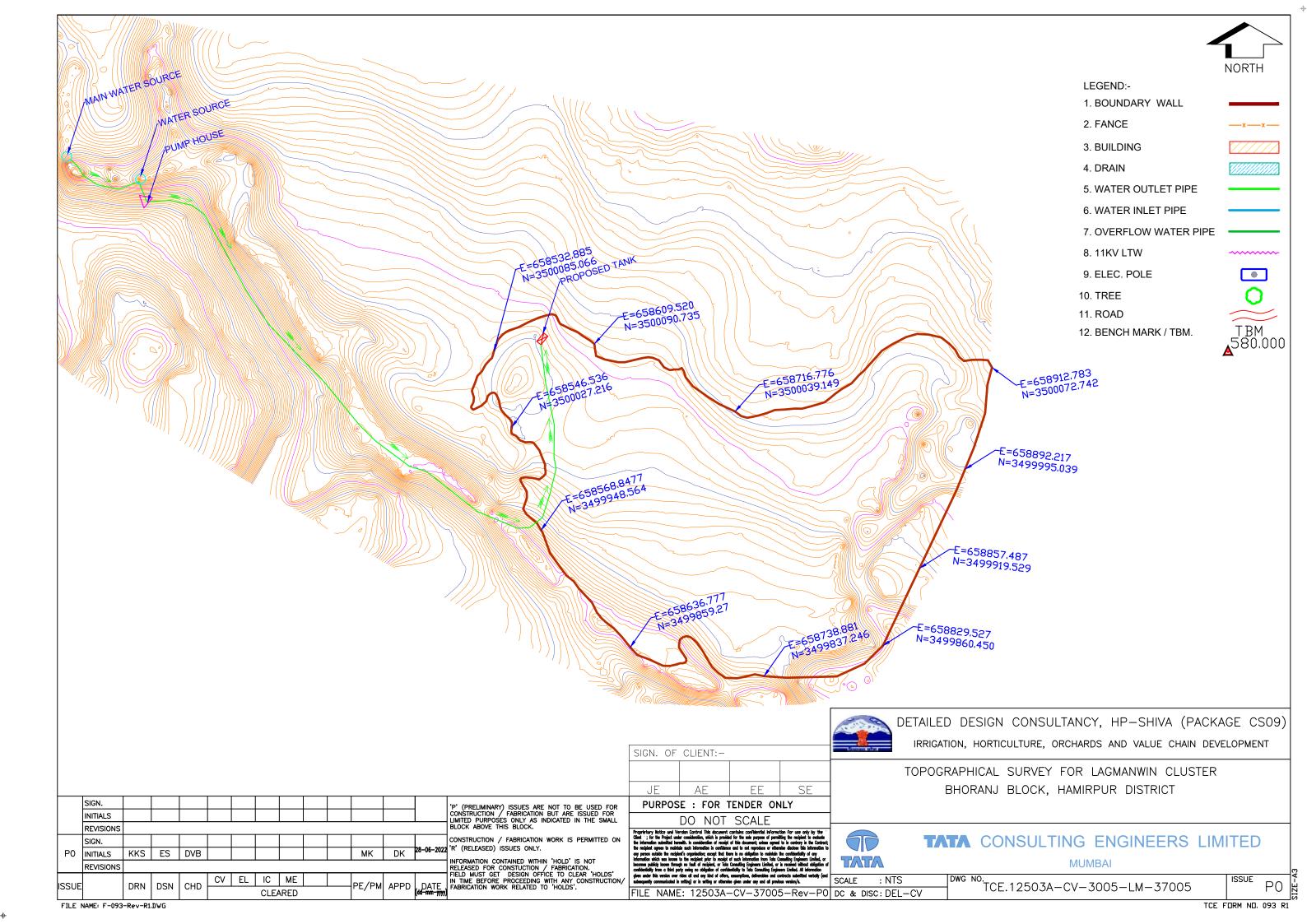
ABBREVIATIONS								
Flow Diagram Drawings		Typical Standard drawings		L-Section drawings		Topographical Survey Drawings		
Q	Discharge (Flow)	нт	High Tension	J	Pipe Junction	GI	Galvanised Iron	
Н	Pump head	LT	Low Tension	СТ	Collection Tank	ТВМ	Temporary Bench Mark	
GI	Galvanised Iron	ELSR	ELevated service reservoir	MT	Modular Tank	GL	Ground Level	
Lat.	Latitude	c/c	centre to centre	MDT	Main Distribution Tank	PH	Pump House	
Long	Longitude	M20/ M15	Grade of concrete	MSERW	Mild steel Electric resistance welded pipe	WT	Water Tank	
RL	Reduced Level	GLSR	Ground Level service reservoir	Gl	Galvanised Iron	N	Northing	
RD	Reduced Distance	Тур	Typical	Pmp	Pump	E	Easting	
МТ	Modular Tank	SLD	Single Line Diagram					
MDT	Main Distribution Tank							
На	Hectare							
MSERW	Mild steel Electric resistance welded pipe							

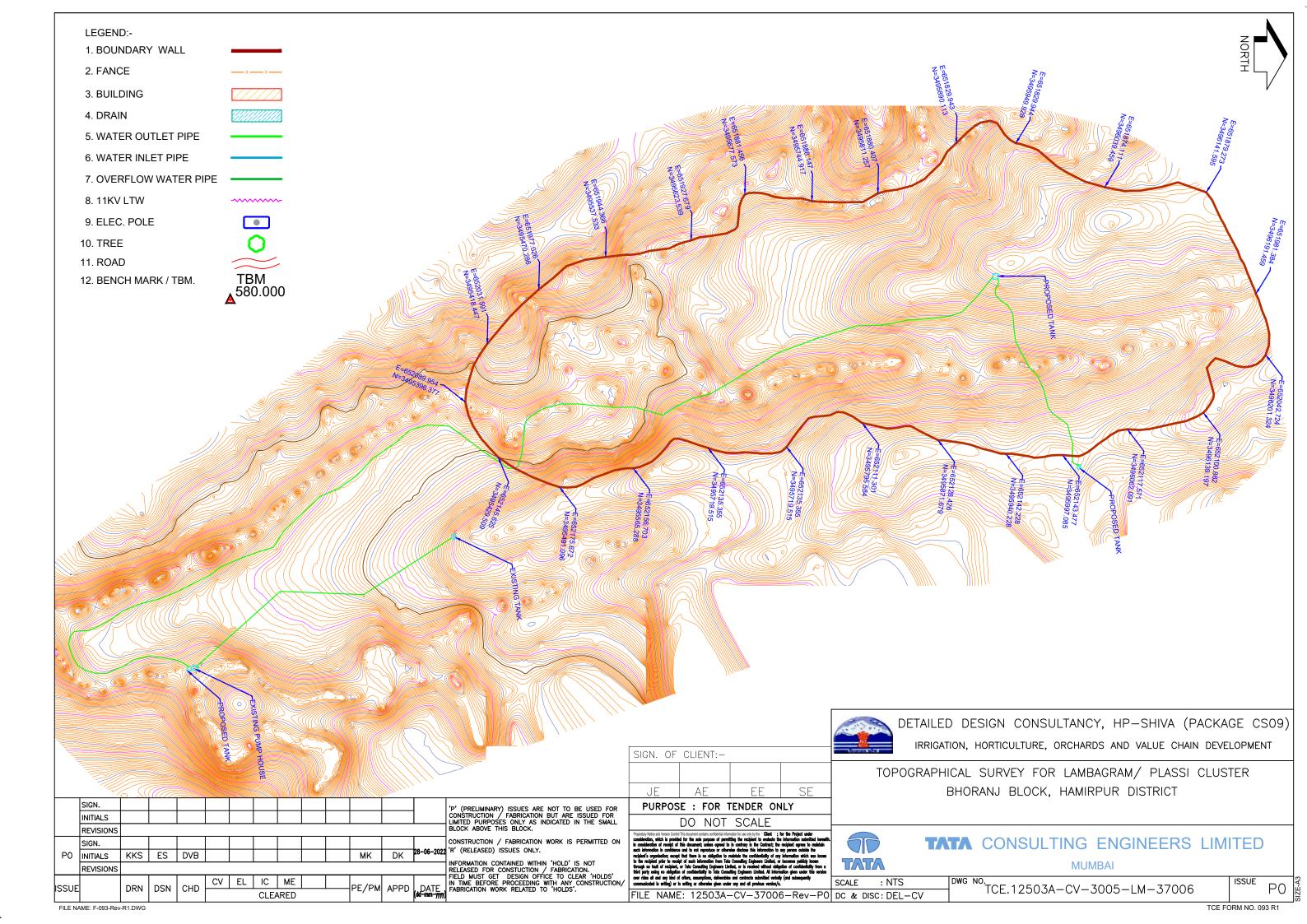


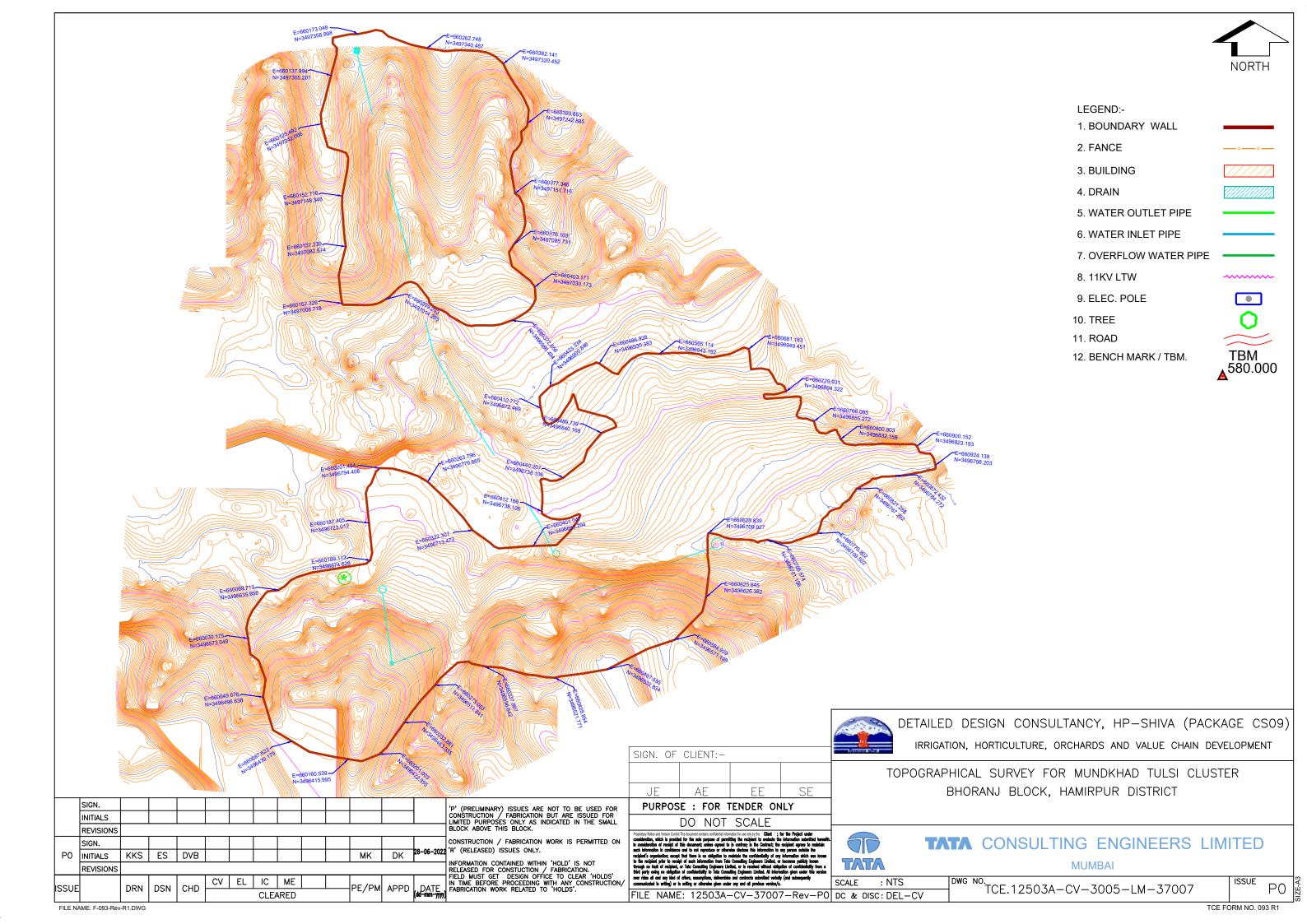


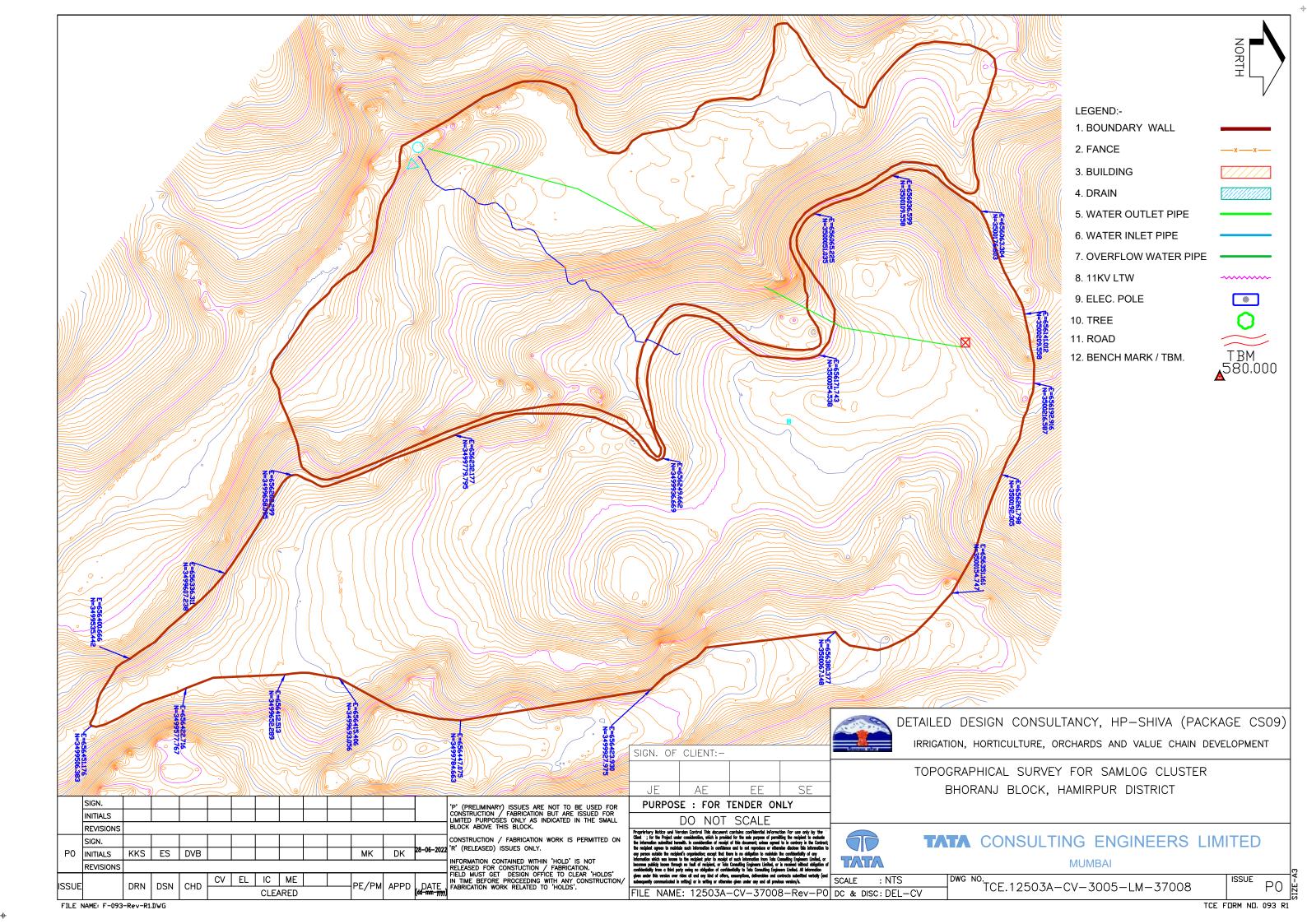


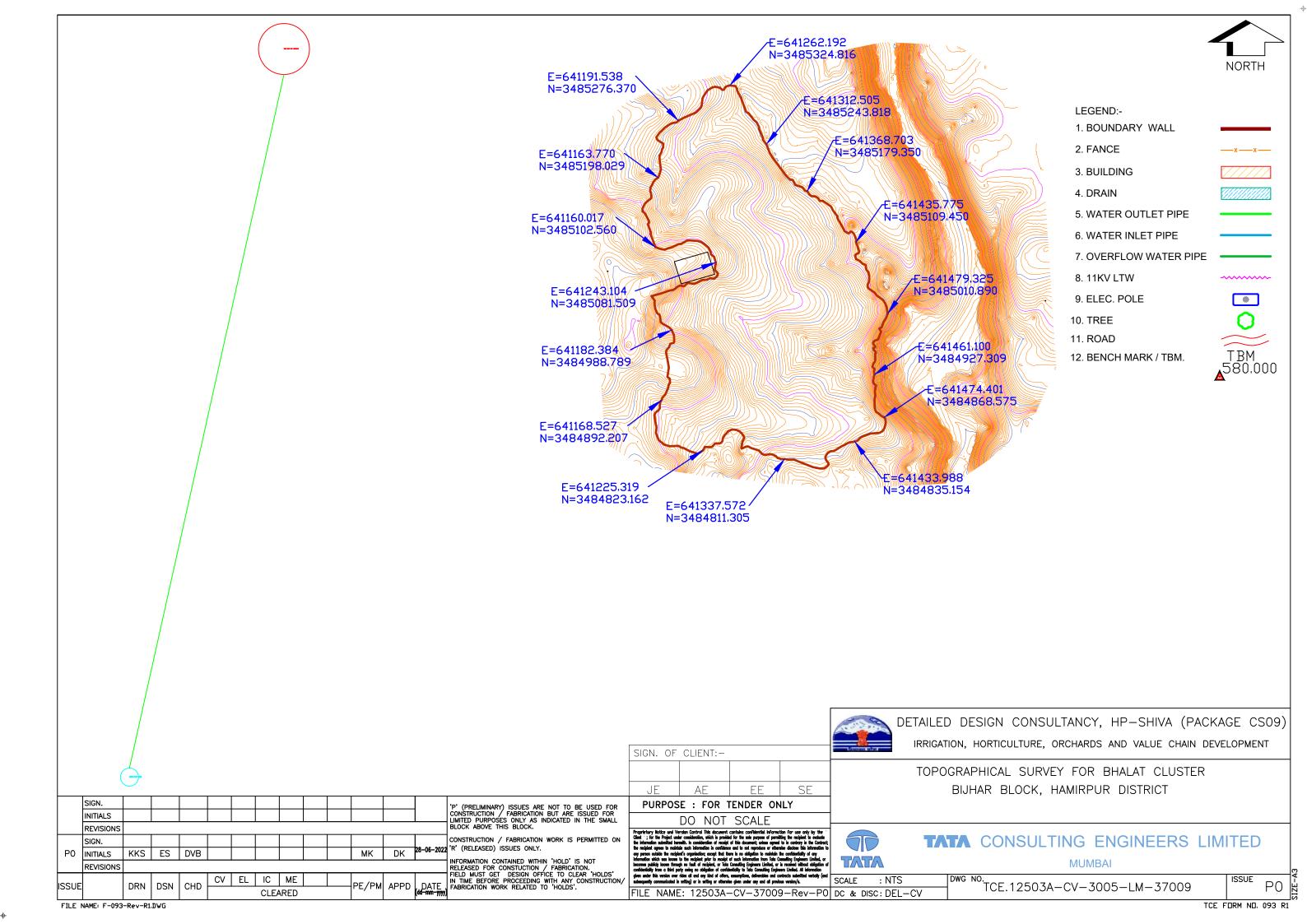


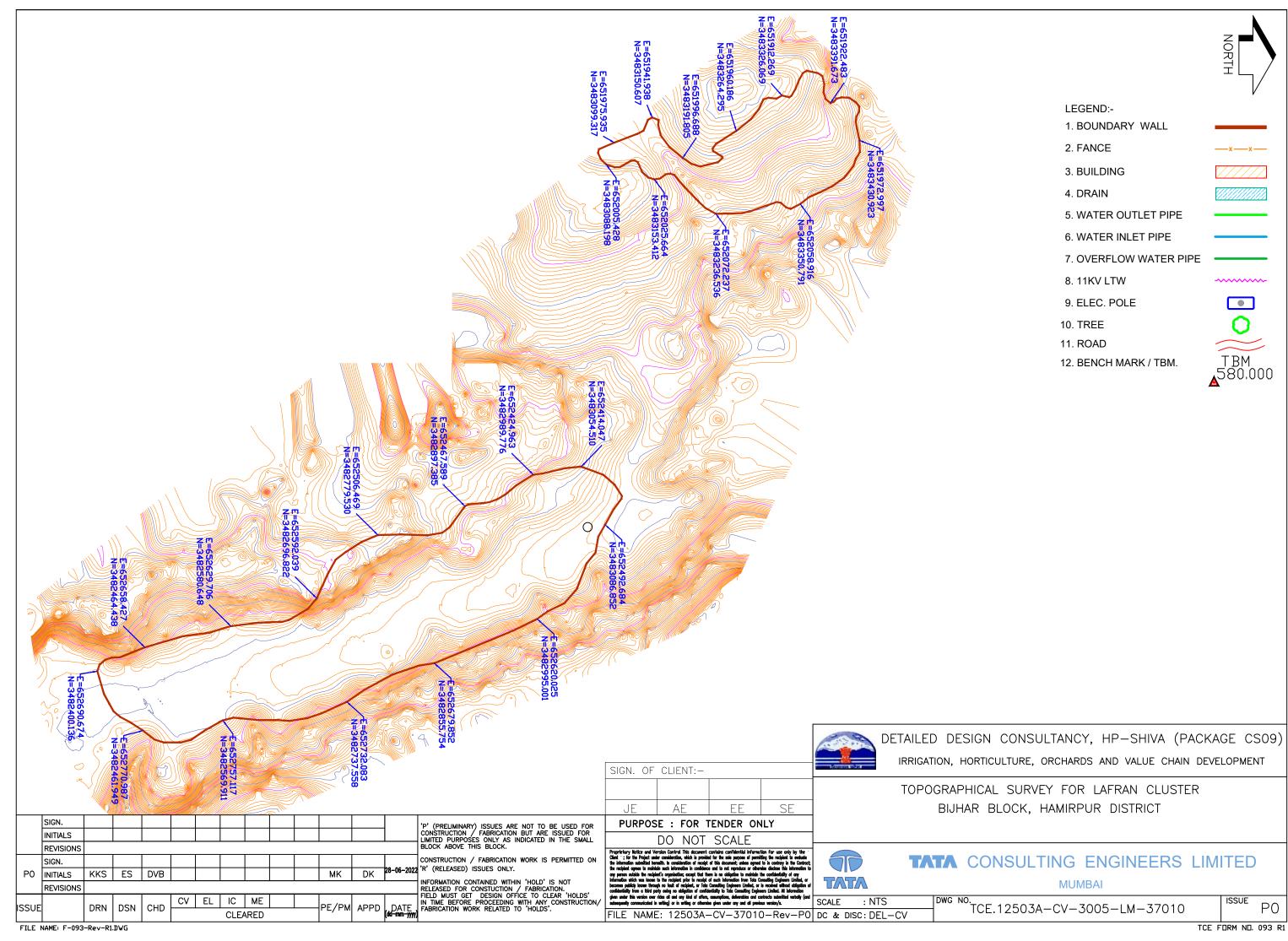


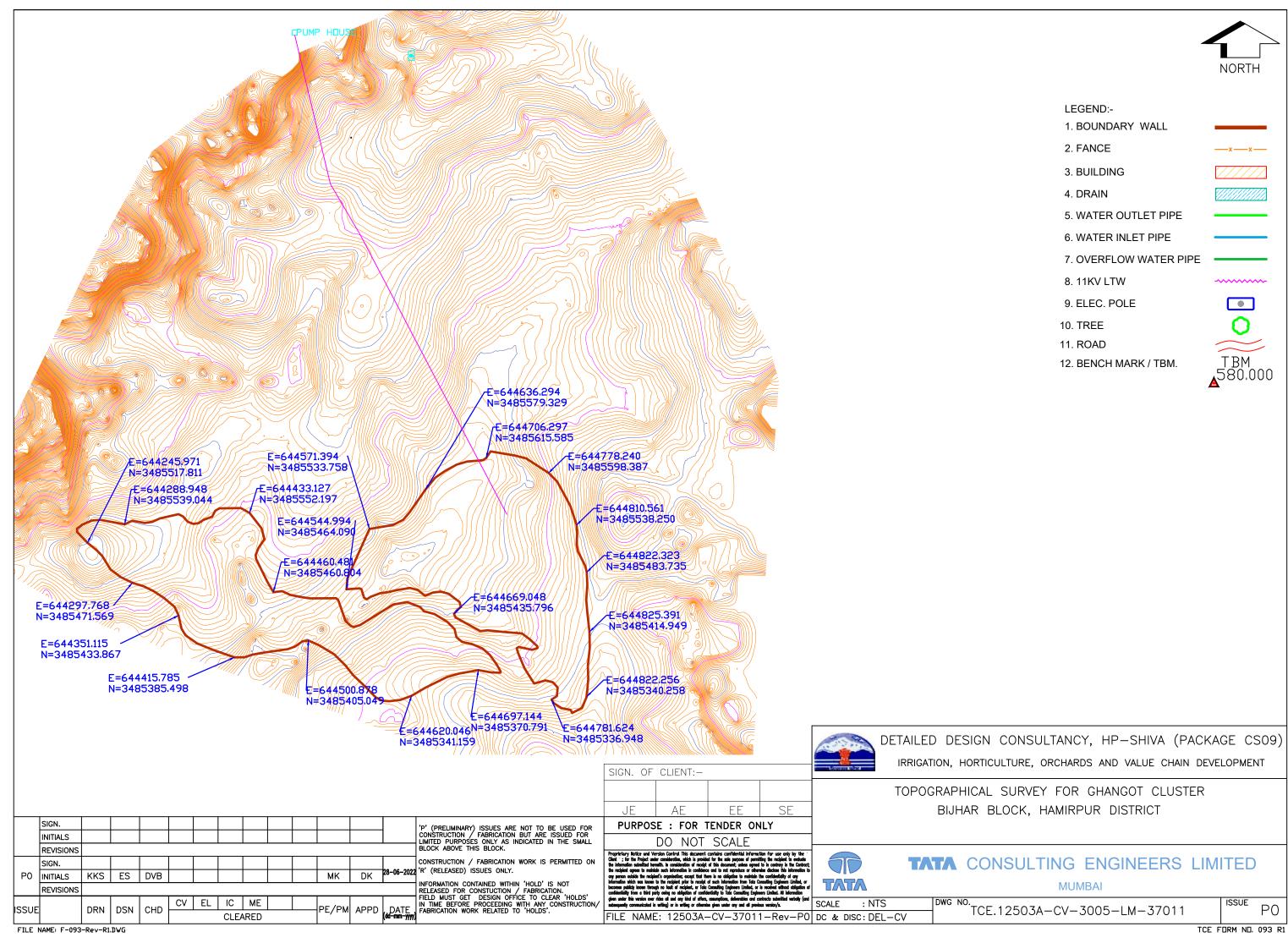


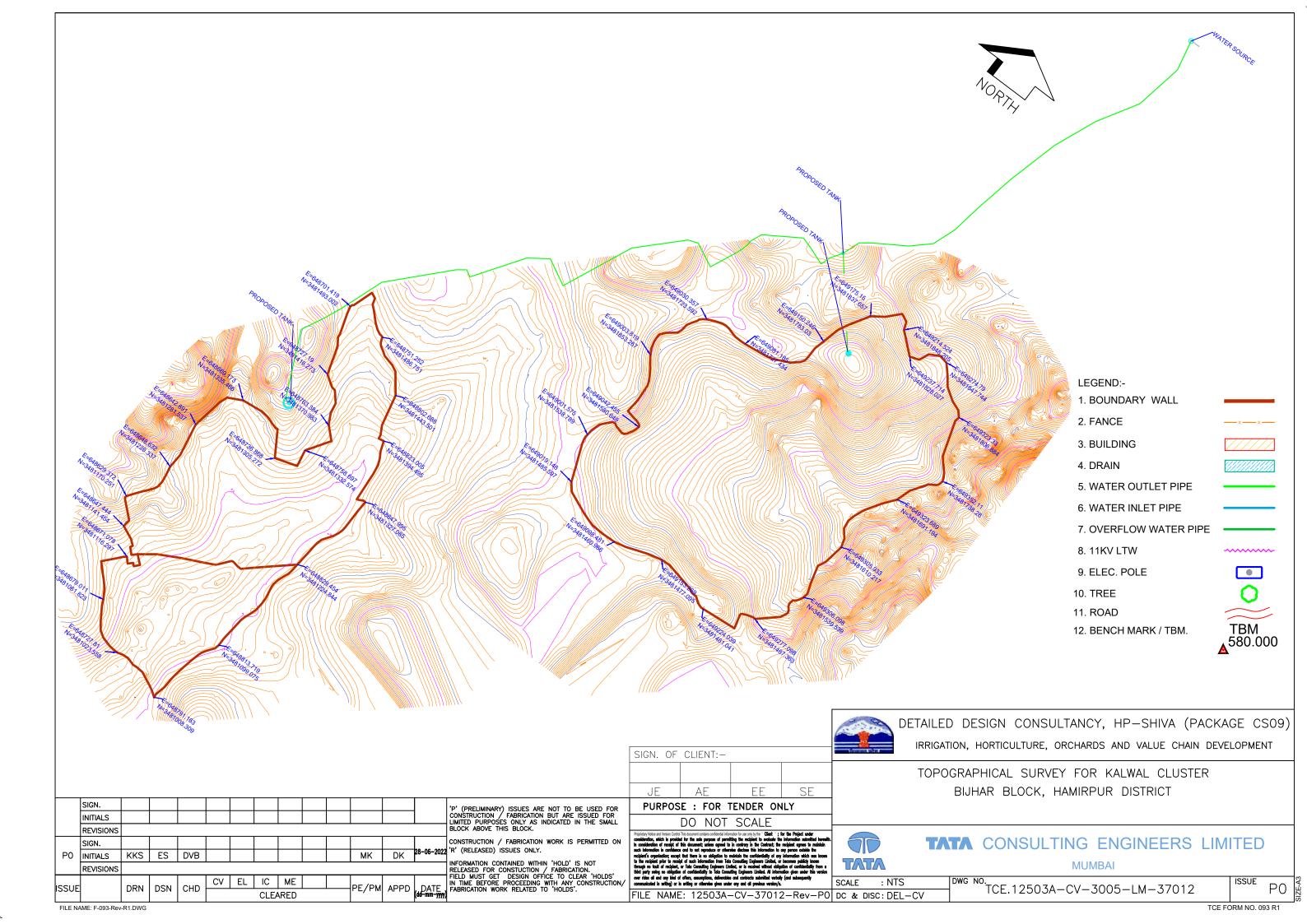


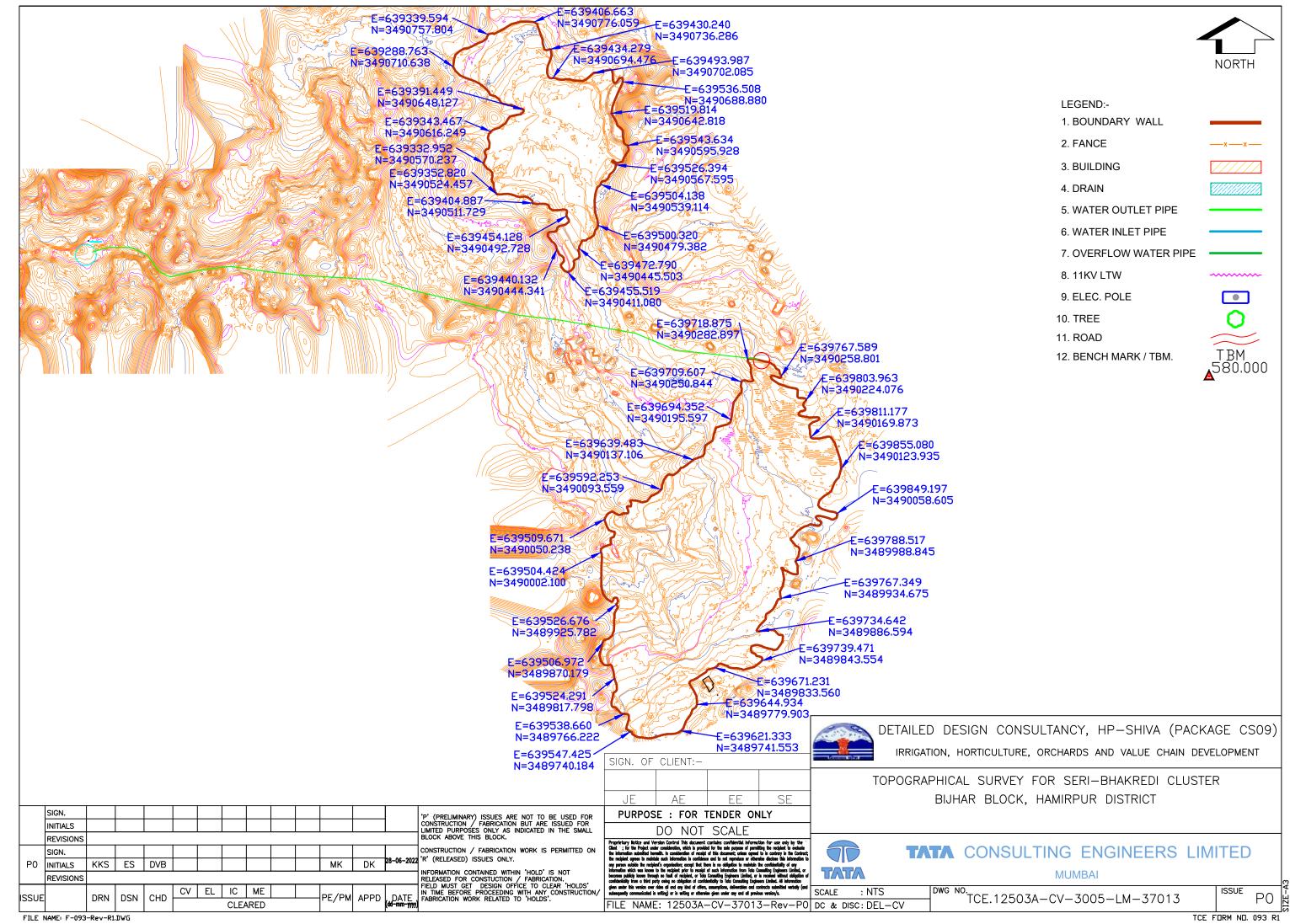


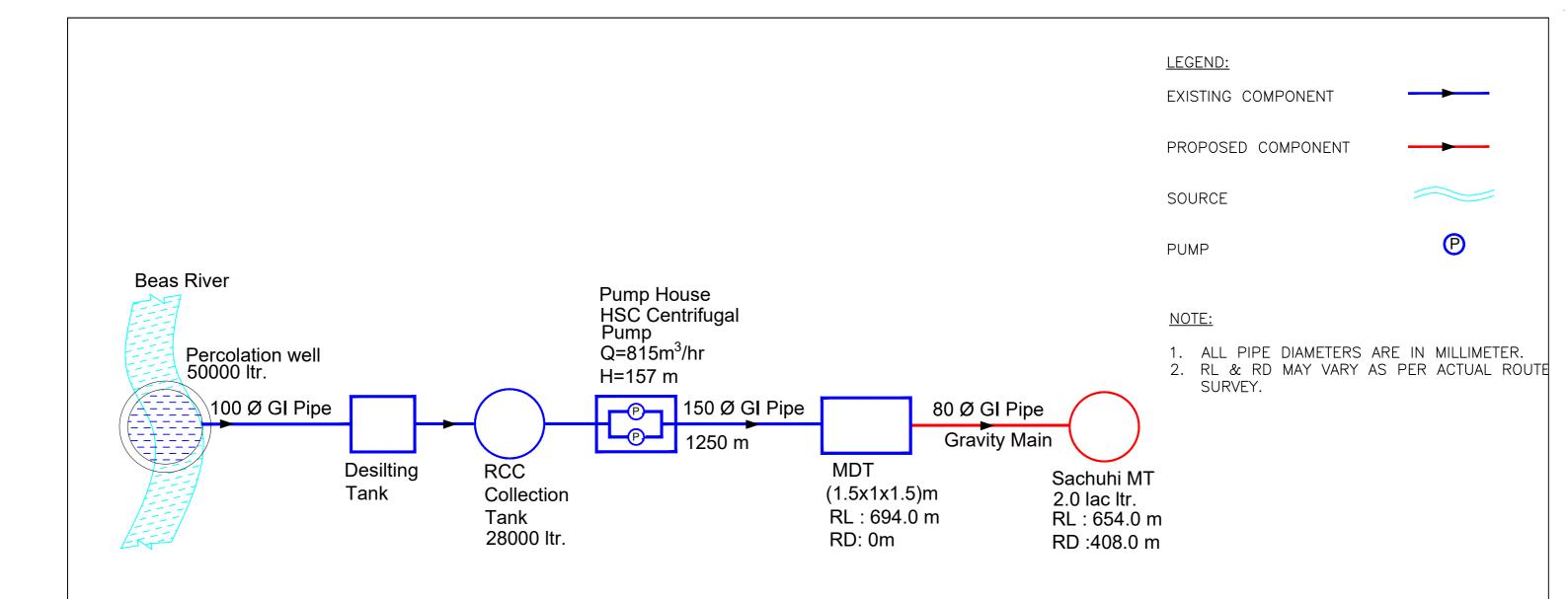




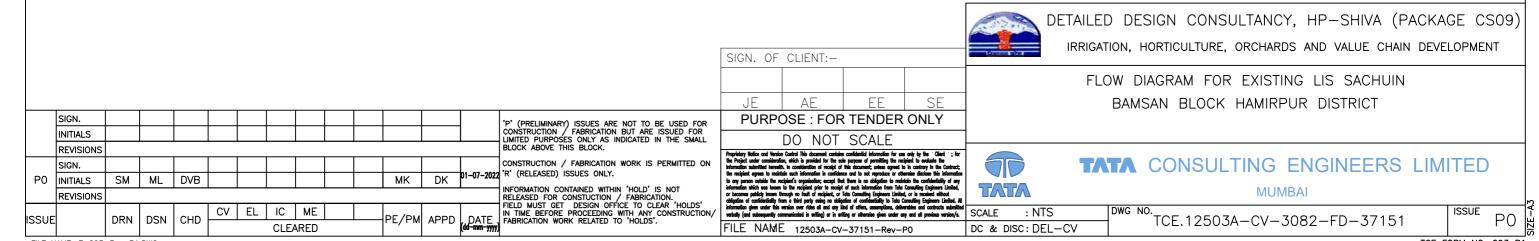




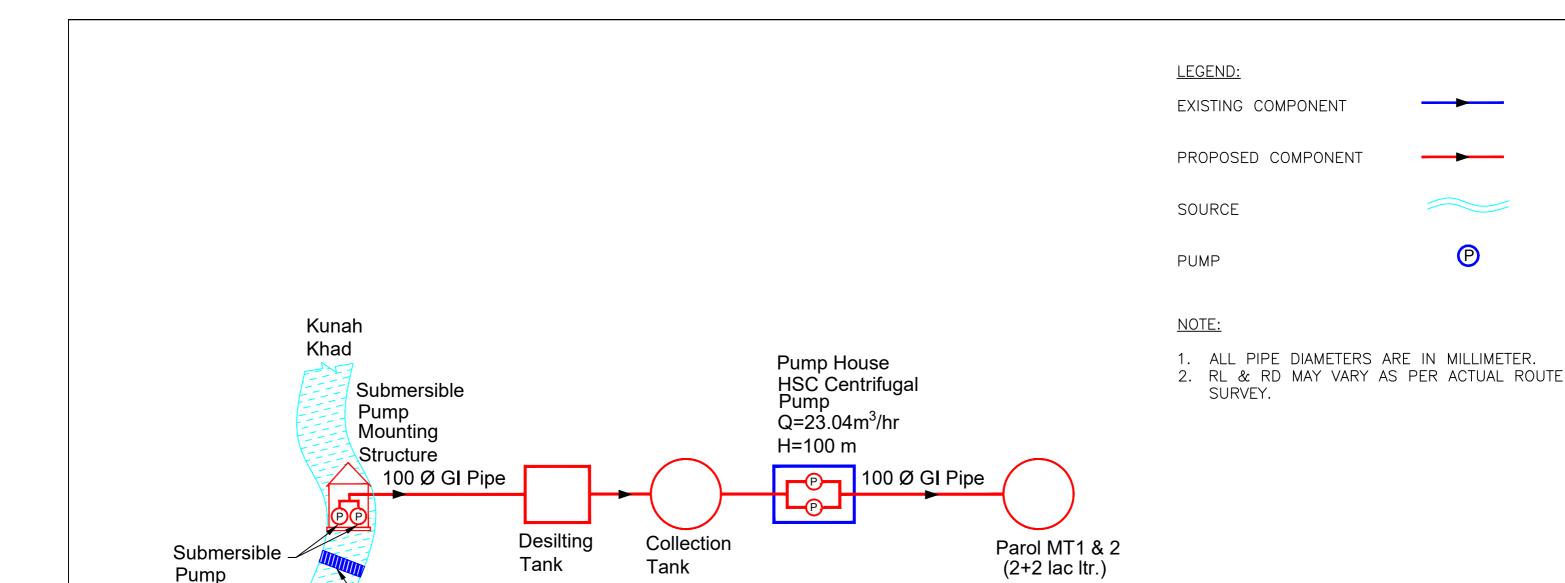




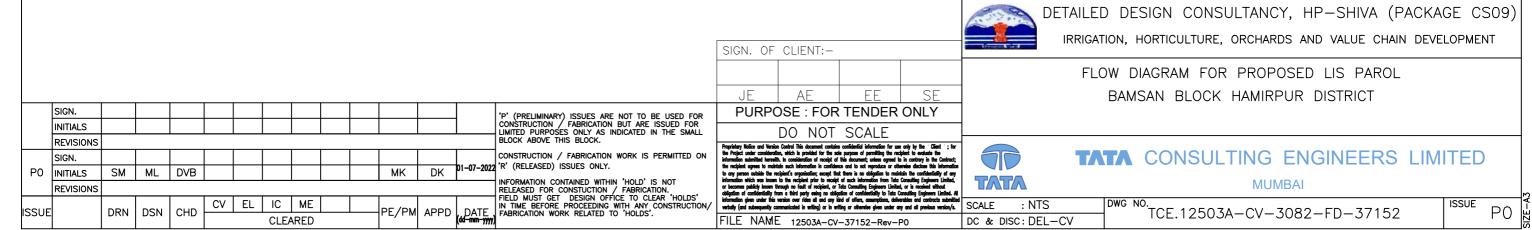
FLOW DIAGRAM - EXISTING LIS SACHUIN (FUNCTIONAL SCHEME - 8.68 Ha)



FILE NAME: F-093-Rev-R1.DWG



FLOW DIAGRAM - PROPOSED LIS DERA PAROL (NON FUNCTIONAL SCHEME - 17.51 Ha)



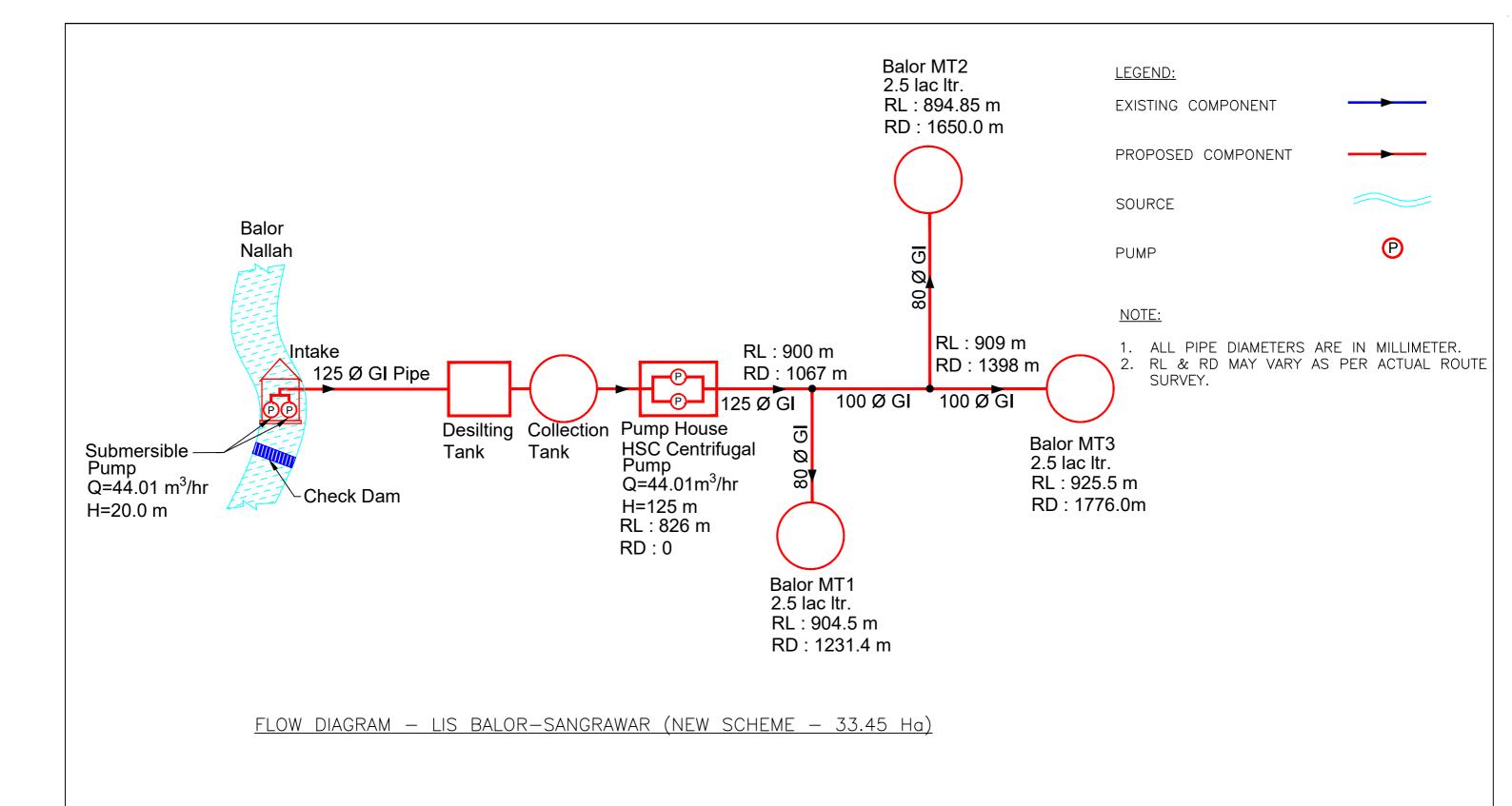
RL: 910 m

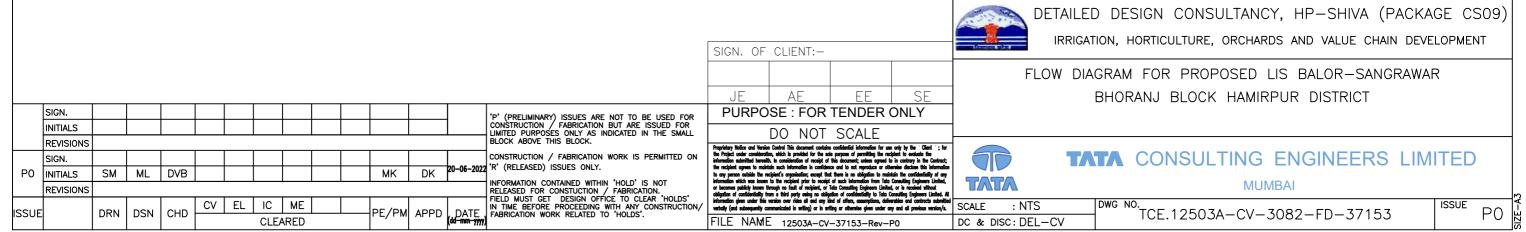
RD: 780 m

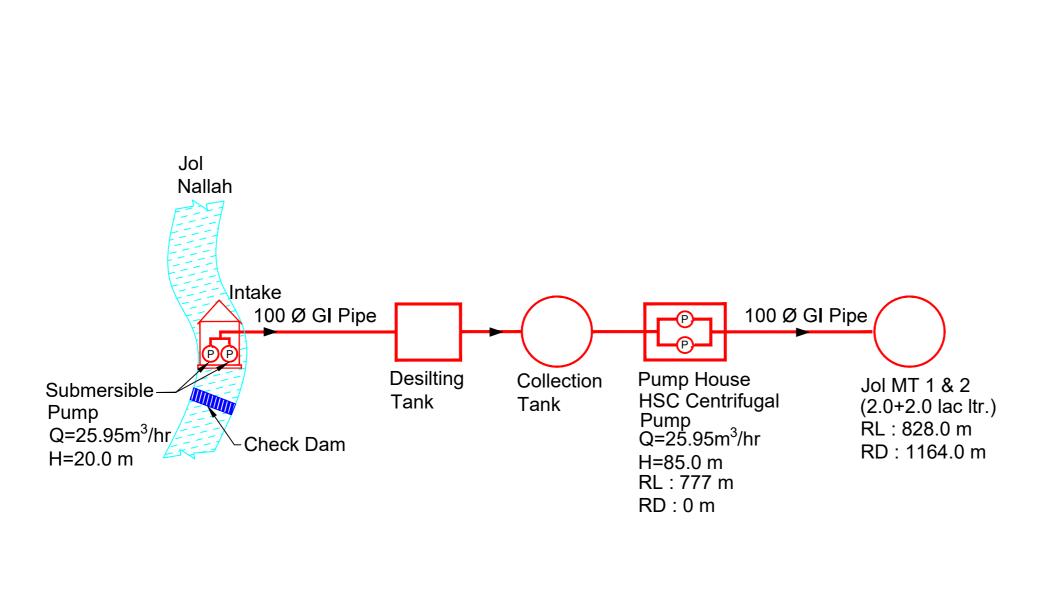
 $Q=23.04 \text{m}^3/\text{hr}$

H=20 m

Check Dam







EXISTING COMPONENT

PROPOSED COMPONENT

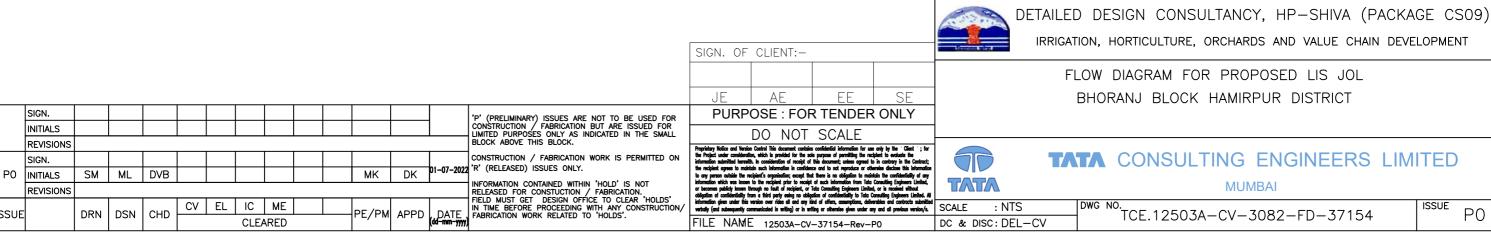
SOURCE

PUMP

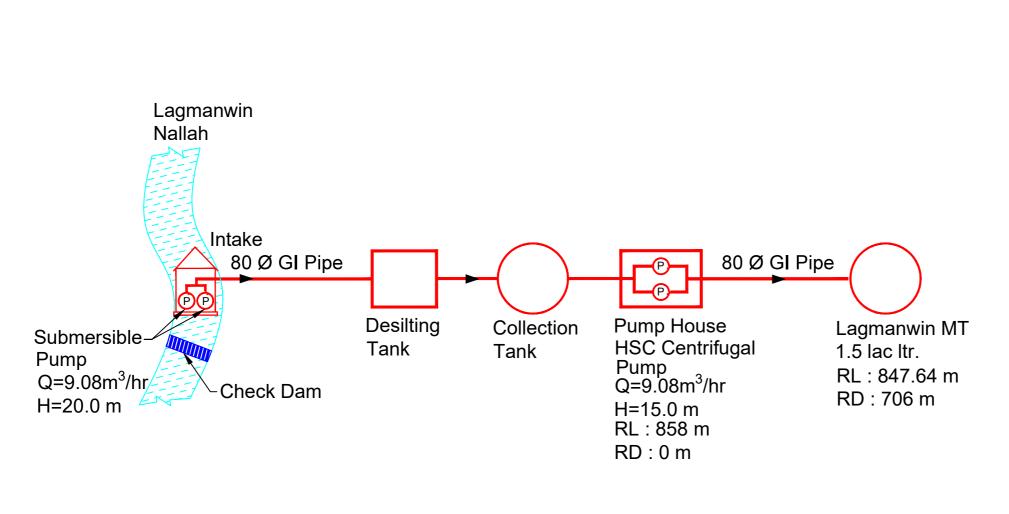
NOTE:

- 1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
- 2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM - PROPOSED LIS JOL (NEW SCHEME - 19.72 Ha)



FILE NAME: F-093-Rev-R1.DWG



EXISTING COMPONENT

PROPOSED COMPONENT -

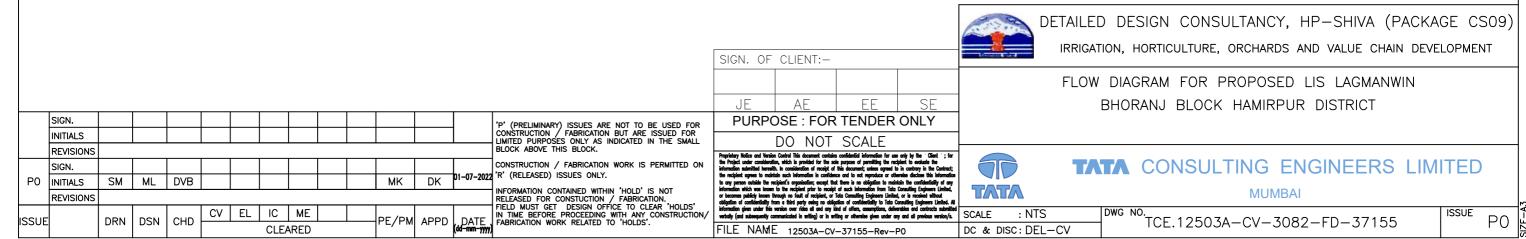
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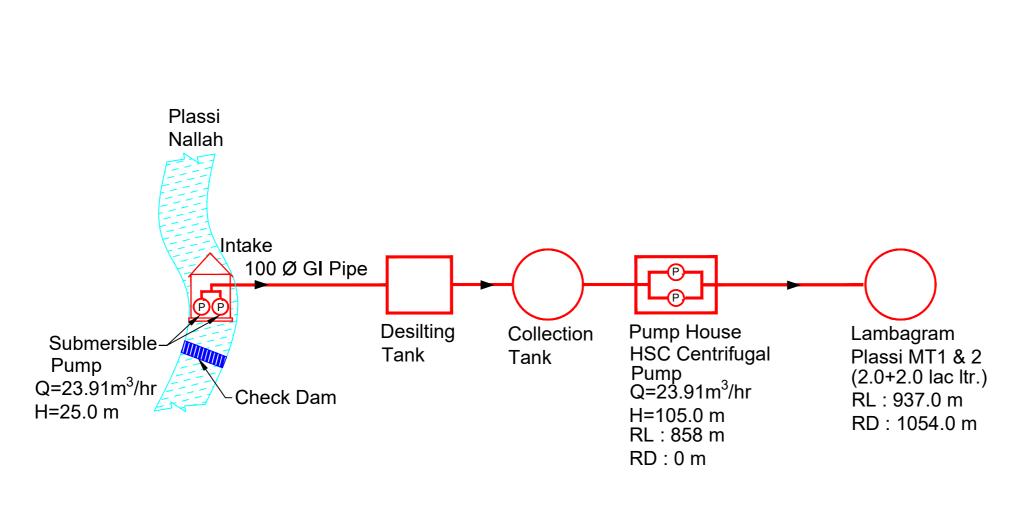
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NOTE:

- 1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
- 2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM - PROPOSED LIS LAGMANWIN (NEW SCHEME - 6.90 Ha)





EXISTING COMPONENT

PROPOSED COMPONENT ---

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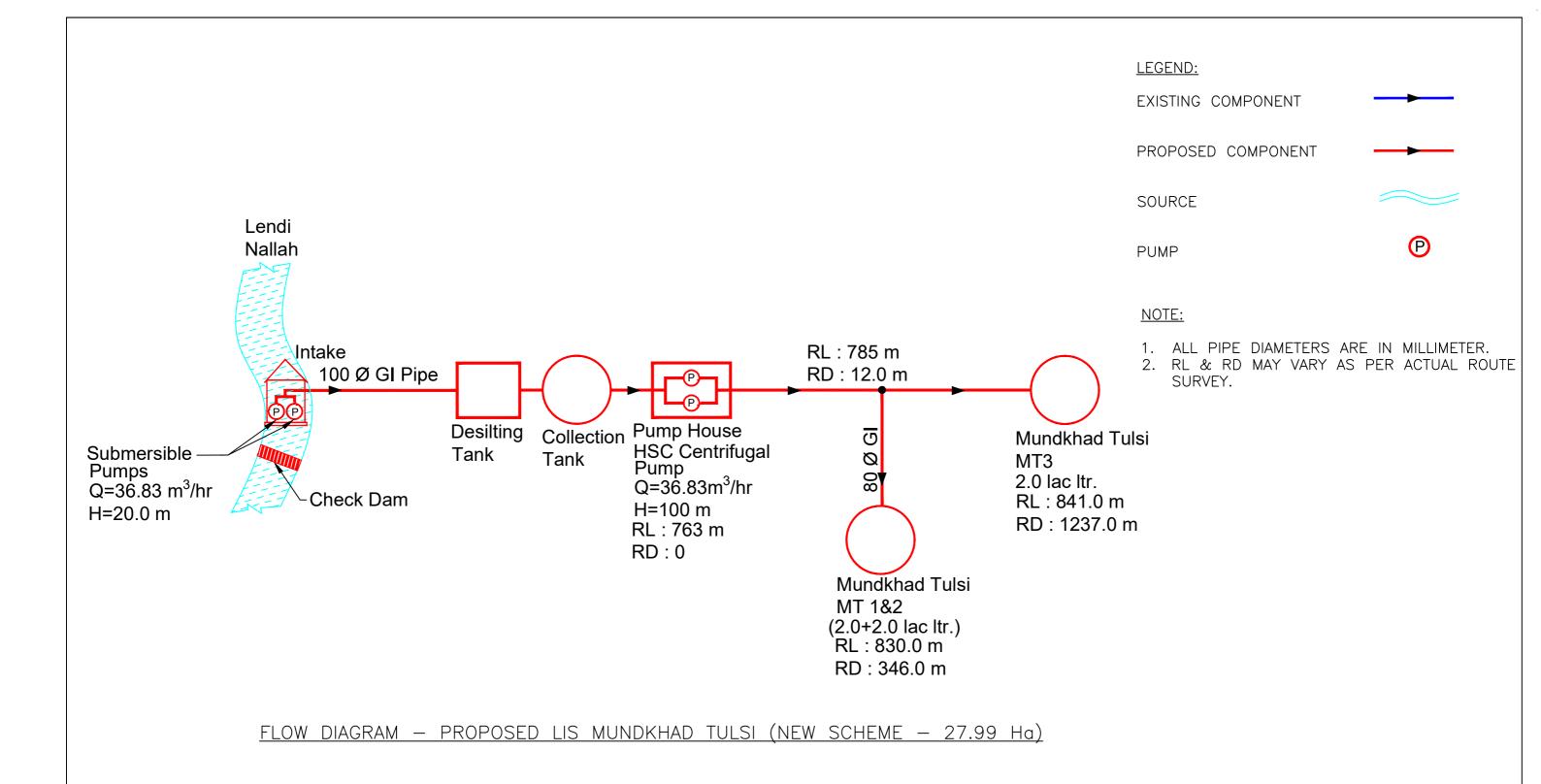
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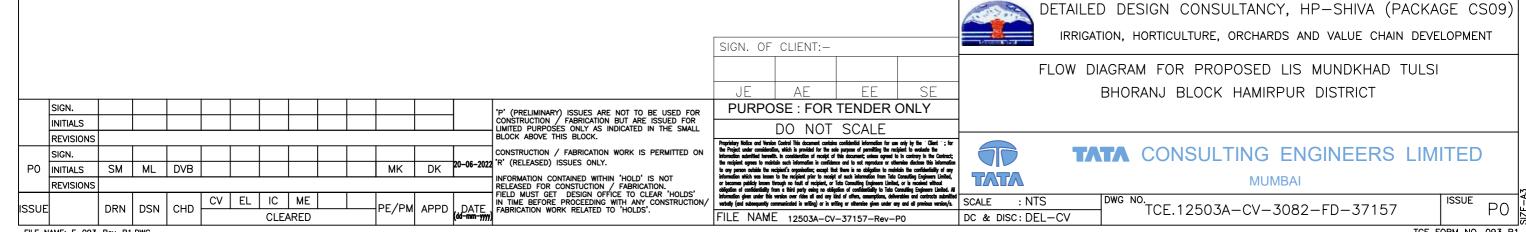
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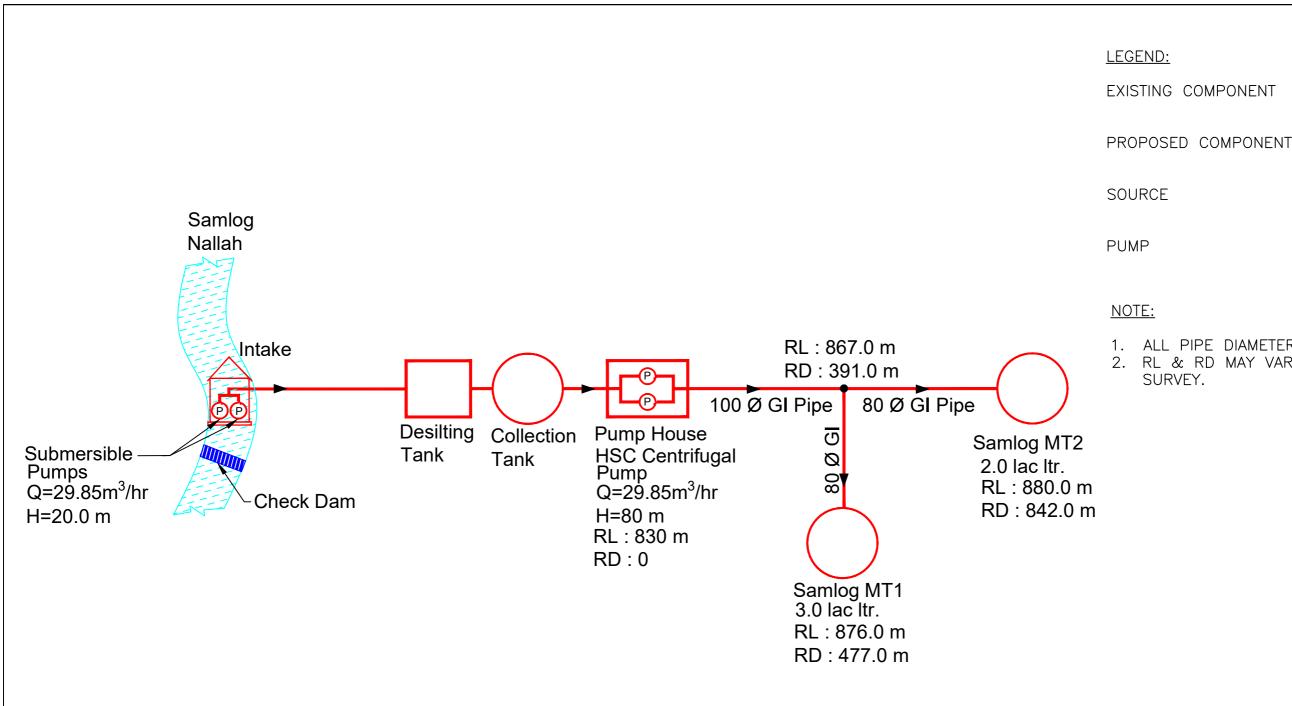
- 1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
- 2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM - PROPOSED LIS LAMBAGRAM/ PLASSI (NEW SCHEME - 18.17 Ha)

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09) IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT SIGN. OF CLIENT:-FLOW DIAGRAM FOR PROPOSED LIS LAMBAGRAM/ PLASSI ΑF BHORANJ BLOCK HAMIRPUR DISTRICT PURPOSE: FOR TENDER ONLY SIGN. INITIALS DO NOT SCALE REVISIONS CONSTRUCTION / FABRICATION WORK IS PERMITTED ON TATA CONSULTING ENGINEERS LIMITED SIGN. -07-2022 'R' (RELEASED) ISSUES ONLY. INITIALS SM ML DVB INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTIO FABRICATION WORK RELATED TO 'HOLDS'. TATA **MUMBAI** REVISIONS TCE.12503A-CV-3082-FD-37156 CV | EL IC ME : NTS SCALE PE/PM APPD DATE DRN DSN CHD CLEARED DC & DISC: DEL-CV FILE NAME 12503A-CV-37156-Rev-P0



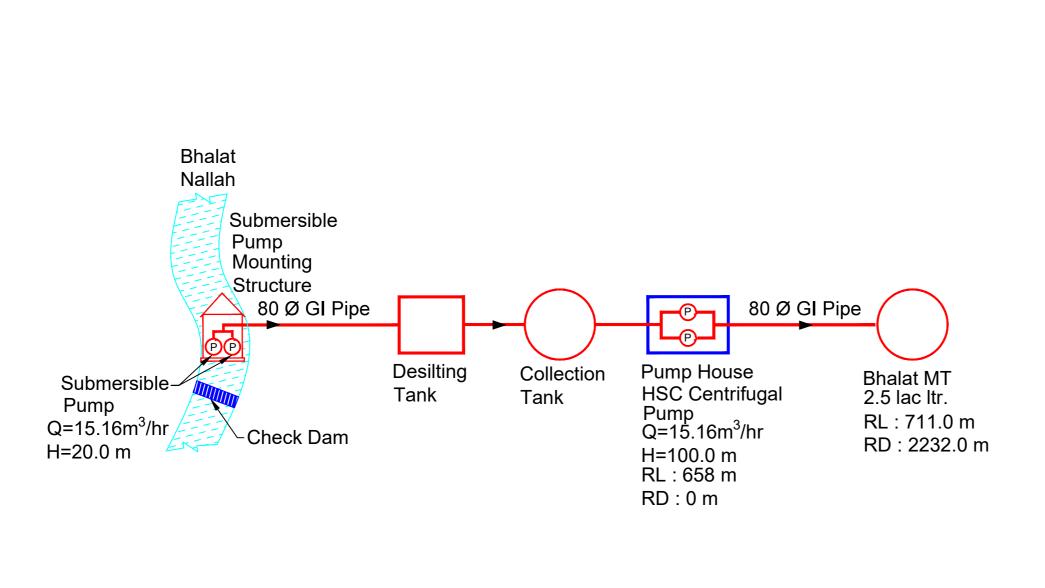




- 1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
- 2. RL & RD MAY VARY AS PER ACTUAL ROUTE

FLOW DIAGRAM - PROPOSED LIS SAMLOG (NEW SCHEME - 22.69 Ha)

DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09) IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT SIGN. OF CLIENT:-FLOW DIAGRAM FOR PROPOSED LIS SAMLOG BHORANJ BLOCK HAMIRPUR DISTRICT PURPOSE: FOR TENDER ONLY SIGN. 'P' (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK ABOVE THIS BLOCK. INITIALS DO NOT SCALE REVISIONS CONSTRUCTION / FABRICATION WORK IS PERMITTED ON TATA CONSULTING ENGINEERS LIMITED SIGN. 6-2022 'R' (RELEASED) ISSUES ONLY. INITIALS SM ML DVB INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTIC FABRICATION WORK RELATED TO 'HOLDS'. TATA **MUMBAI** REVISIONS TCE.12503A-CV-3082-FD-37158 CV EL IC ME : NTS SCALE PE/PM APPD DATE DRN DSN CHD CLEARED DC & DISC: DEL-CV FILE NAME 12503A-CV-37158-Rev-P0



EXISTING COMPONENT

PROPOSED COMPONENT

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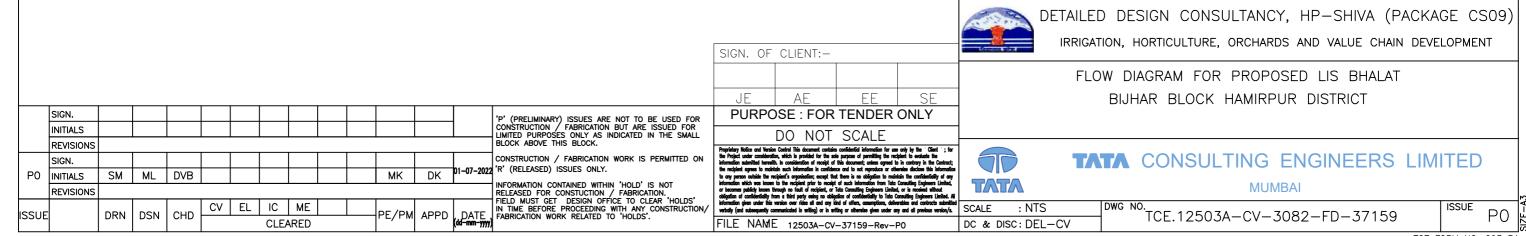
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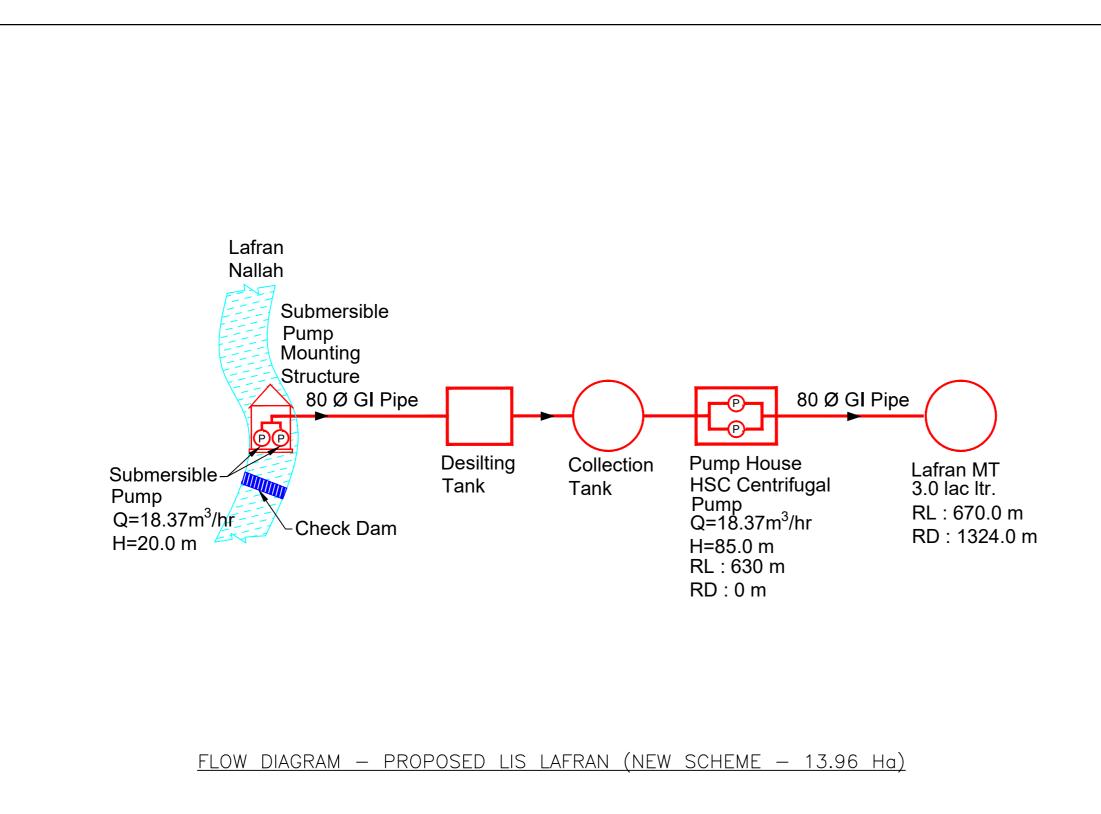
NOTE:

- 1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
- 2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

FLOW DIAGRAM - PROPOSED LIS BHALAT (NEW SCHEME - 11.52 Ha)



FILE NAME: F-093-Rev-R1.DWG



EXISTING COMPONENT

PROPOSED COMPONENT

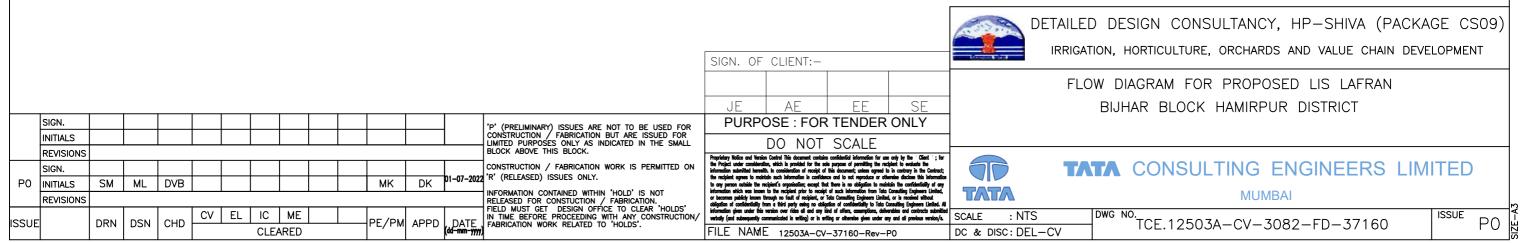
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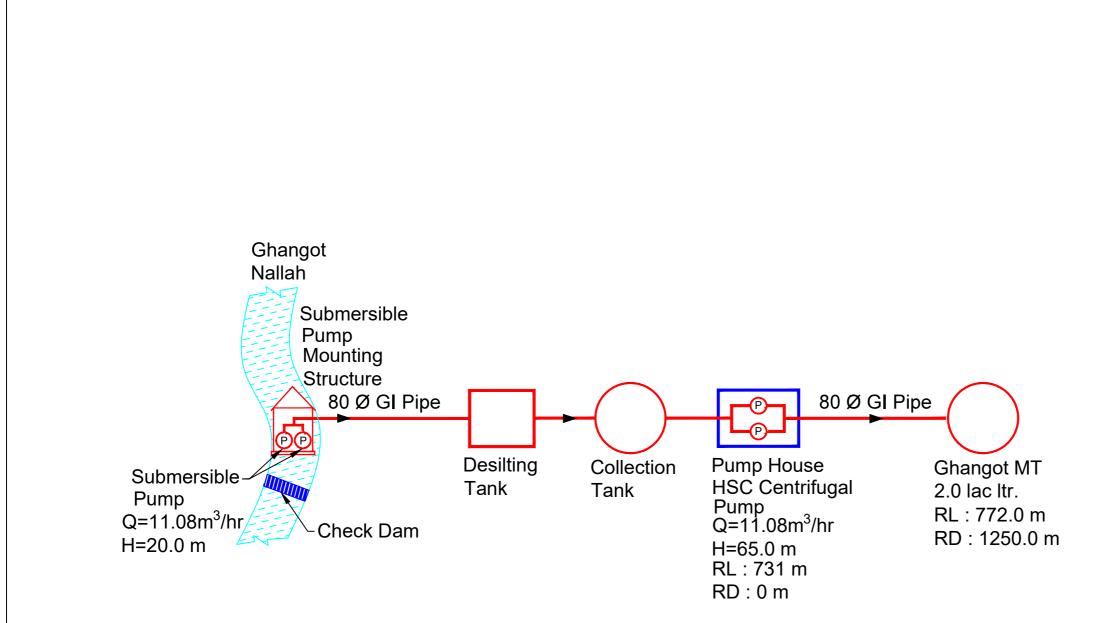
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NOTE:

- 1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
- 2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.





EXISTING COMPONENT

PROPOSED COMPONENT

SOURCE

PUMP



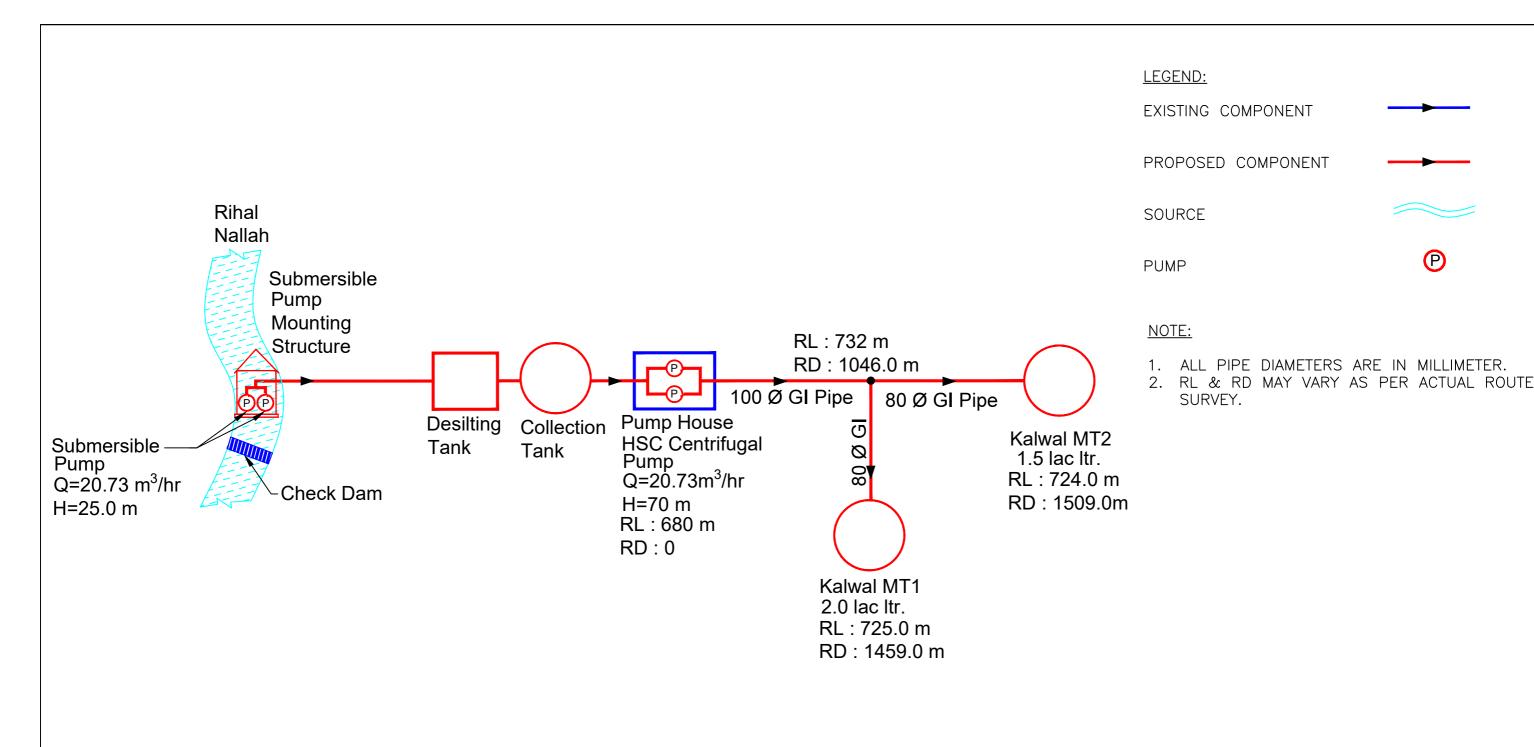
NOTE:

- 1. ALL PIPE DIAMETERS ARE IN MILLIMETER.
- 2. RL & RD MAY VARY AS PER ACTUAL ROUTE SURVEY.

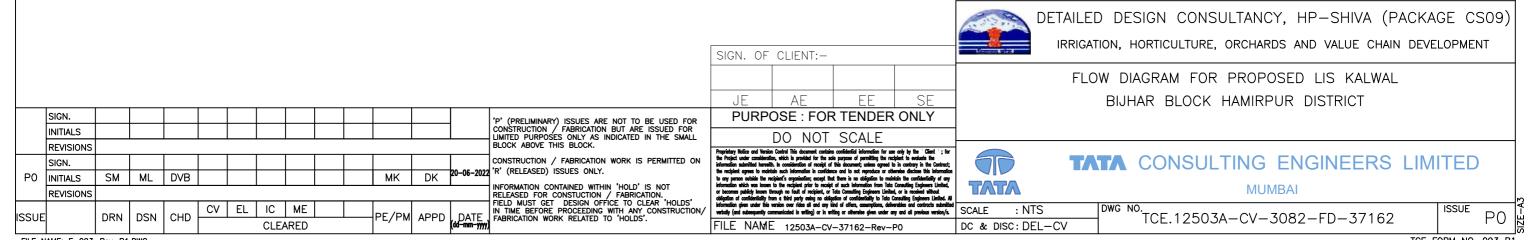
FLOW DIAGRAM - PROPOSED LIS GHANGOT (NON FUNCTIONAL SCHEME - 8.42 Ha)

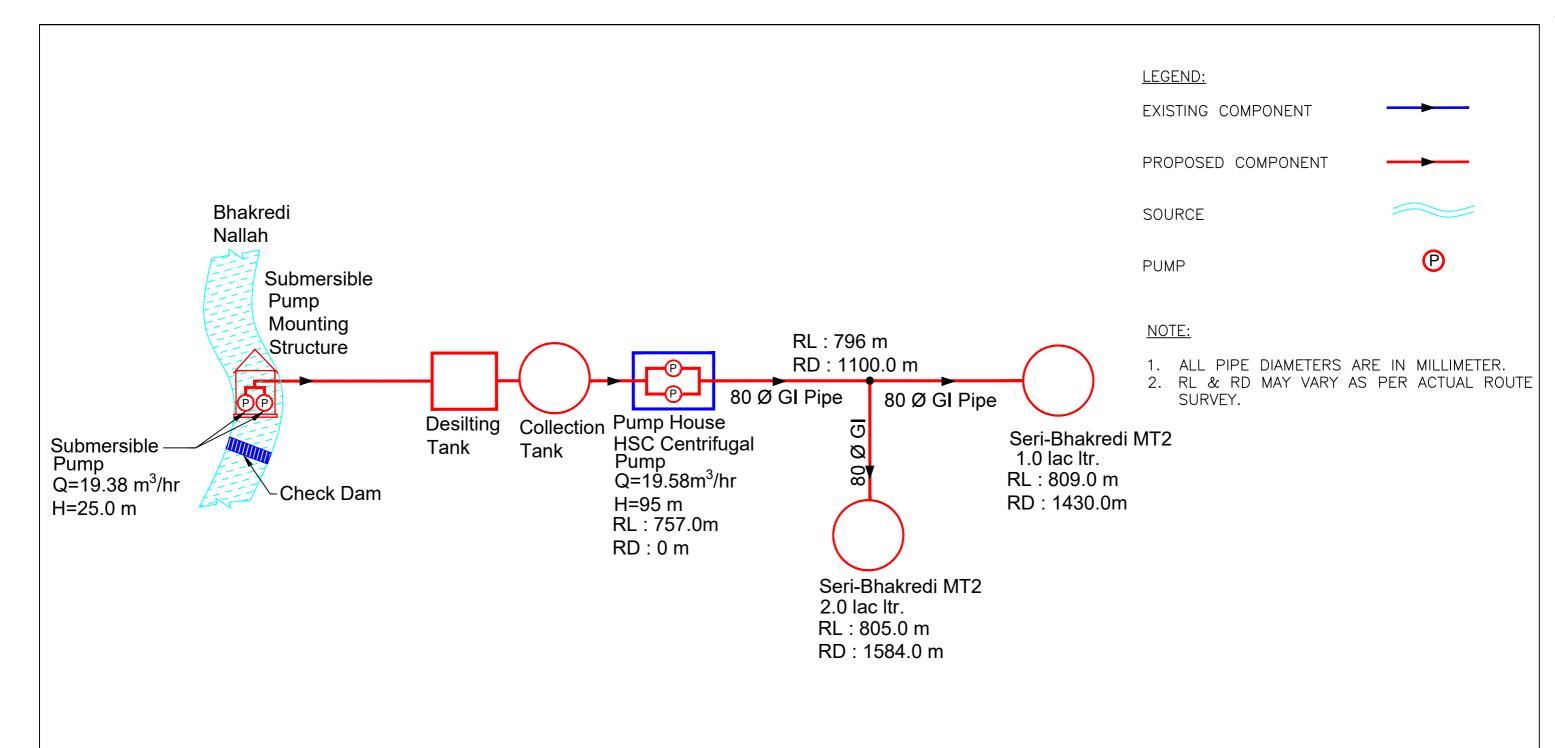
DETAILED DESIGN CONSULTANCY, HP-SHIVA (PACKAGE CS09) IRRIGATION, HORTICULTURE, ORCHARDS AND VALUE CHAIN DEVELOPMENT SIGN. OF CLIENT:-FLOW DIAGRAM FOR PROPOSED LIS GHANGOT BIJHAR BLOCK HAMIRPUR DISTRICT **PURPOSE: FOR TENDER ONLY** SIGN. 'P' (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK ABOVE THIS BLOCK. INITIALS DO NOT SCALE REVISIONS CONSTRUCTION / FABRICATION WORK IS PERMITTED ON TATA CONSULTING ENGINEERS LIMITED SIGN. -07-2022 'R' (RELEASED) ISSUES ONLY. INITIALS SM ML DVB INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTIO FABRICATION WORK RELATED TO 'HOLDS'. TATA **MUMBAI** REVISIONS CV | EL IC ME : NTS SCALE PE/PM APPD DATE PΟ DRN DSN CHD TCE.12503A-CV-3082-FD-37161 CLEARED DC & DISC: DEL-CV FILE NAME 12503A-CV-37161-Rev-P0

FILE NAME: F-093-Rev-R1.DWG



FLOW DIAGRAM - PROPOSED LIS KALWAL (NON FUNCTIONAL SCHEME - 15.75 Ha)





FLOW DIAGRAM - PROPOSED LIS SERI-BHAKREDI (NON FUNCTIONAL SCHEME - 14.88 Ha)

