

添付資料 2.

**The Subproject of Bridge Construction along
Barhakilo-Barpak Road**

**The Project on Rehabilitation and Recovery from Nepal
Earthquake in the Federal Democratic Republic of NEPAL**

**The Subproject of Bridge Construction along
Barhakilo-Barpak Road**

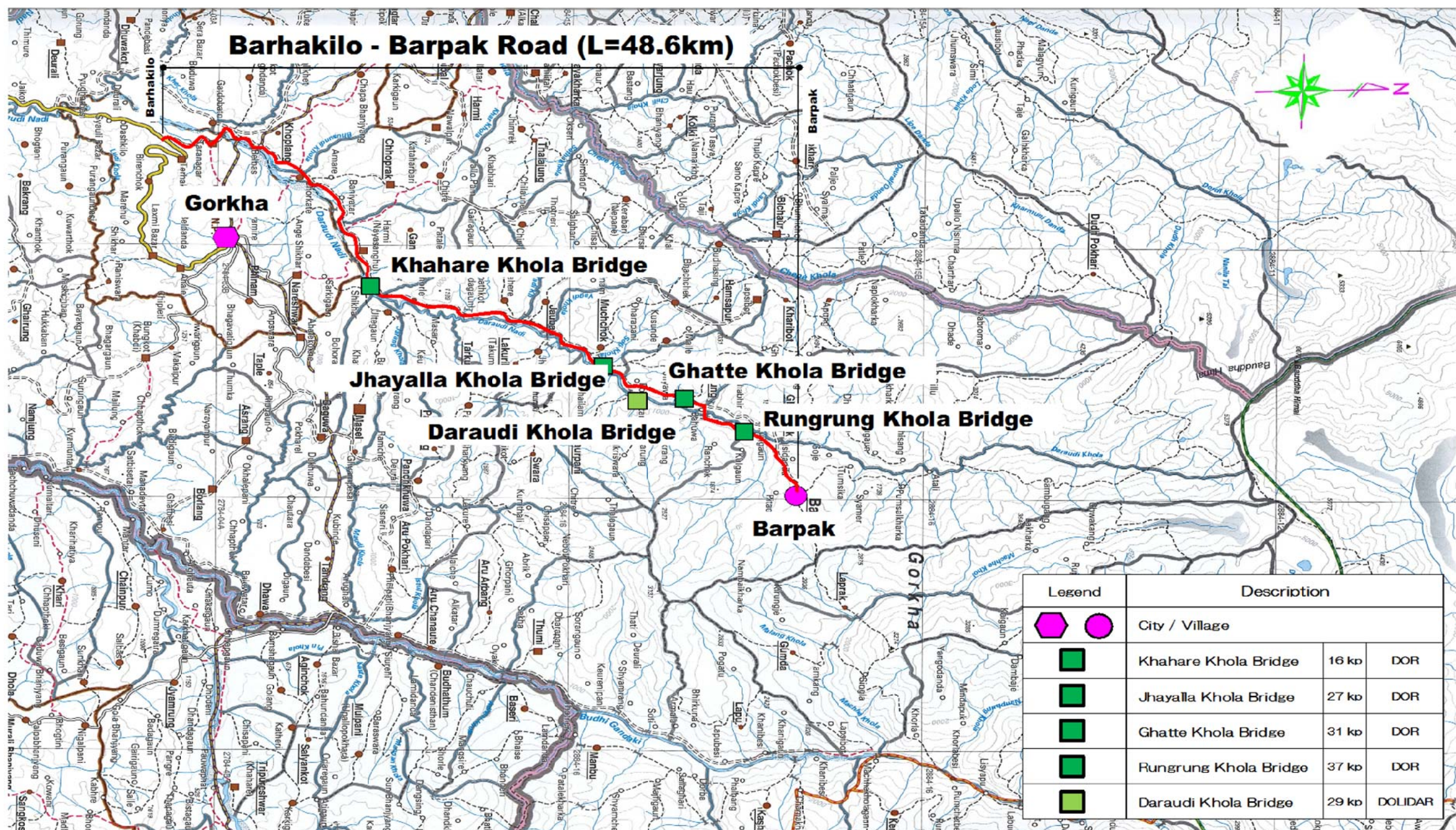
DRAWINGS

December, 2015

Drawing List

Sheet No	Drawing Title	Drawing No	Remarks
1	Location Map	D-1	
Khahare Khola bridge			16 kp, DOR
2	Plan of Khahare Kohala Bridge	D-2	
3	Profile of Khahare Kohola Bridge	D-3	
4-5	Corss sections of Khahare Kohora Bridge	D-4	
6	General View of Khahare Kohora Bridge	D-5	
Jhayalla Khola bridge			27 kp, DOR
7	Plan of Jhayalla Kohala Bridge	D-6	
8	Profile of Jhayalla Kohola Bridge	D-7	
9-11	Corss sections of Jhayalla Kohora Bridge	D-8	
12	General View of Jhahare Kohora Bridge	D-9	
Ghatte Khola bridge			31 kp, DOR
13	Plan of Ghatte Kohala Bridge	D-10	
14	Profile of Ghatte Kohola Bridge	D-11	
15-16	Corss sections of Ghatte Kohora Bridge	D-12	
17	General View of Ghatte Kohora Bridge	D-13	

Sheet No	Drawing Title	Drawing No	Remarks
Rangrung Khola bridge			37 kp, DOR
18	Plan of Rangrung Kohala Bridge	D-14	
19	Profile of Rangrung Kohola Bridge	D-15	
20-21	Corss sections of Rangrung Kohora Bridge	D-16	
22	General View of Rangrung Kohora Bridge	D-17	
Daraudi Khola bridge			29 kp, DOLIDAR
23	Plan of Daraudi Khola Bridge	D-18	
24	Profile of Daraudi Kohola Bridge	D-19	
25-28	Corss sections of Daraudi Kohora Bridge	D-20	
29	General View of Daraudi Kohora Bridge	D-21	



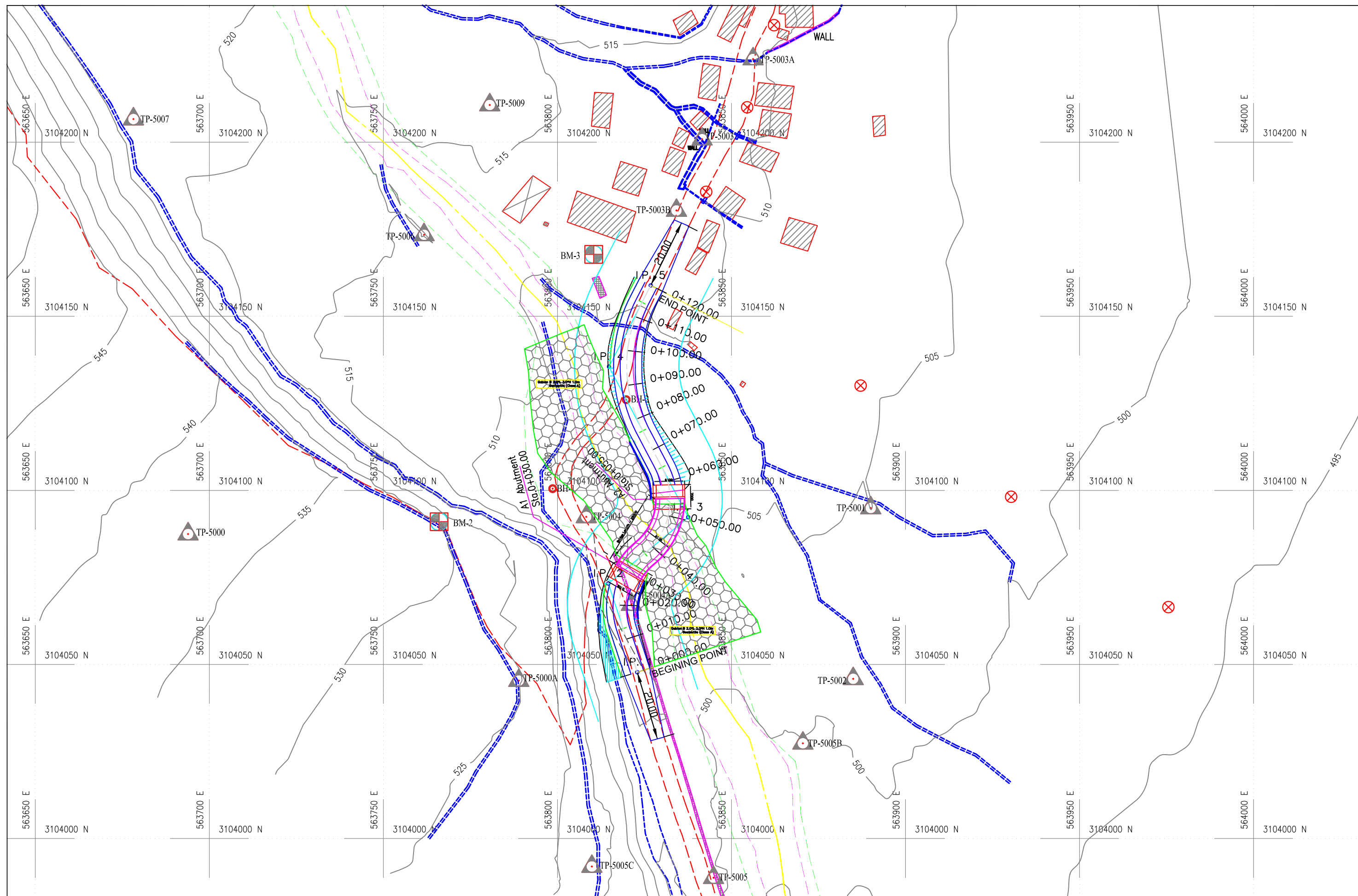
THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:
THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK ROAD,
GORKHA DISTRICT

SCALE
-
DEC. 2015

LOCATION MAP OF
THE PROJET

DWG. NO.
D-1
SHEET. NO.
1



**THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL**

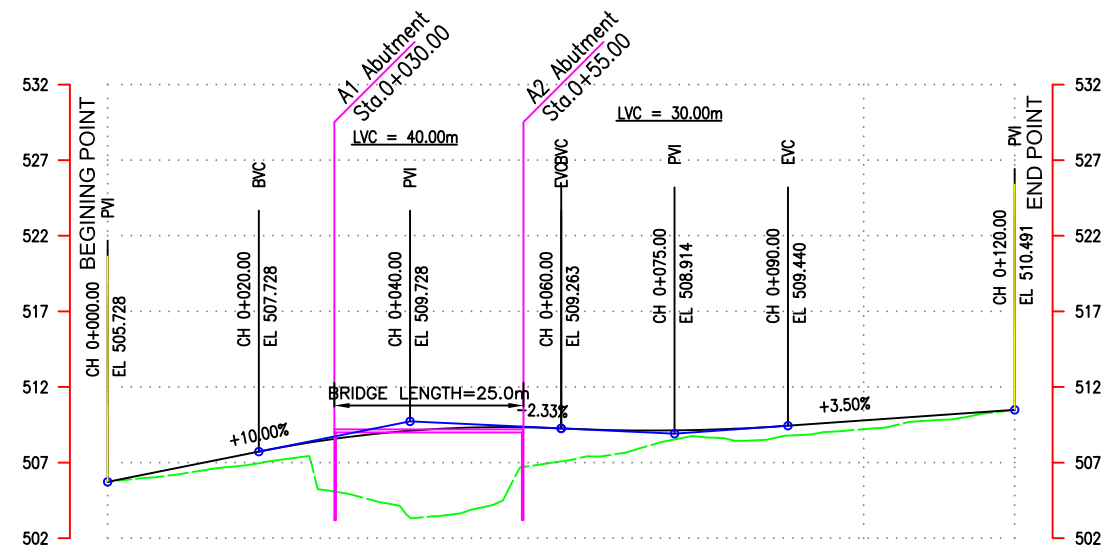
SUB PROJECT:

THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK ROAD,
GORKHA DISTRICT

SCALE 1:1000
DEC. 2015

PLAN OF KHAHARE KHOLA BRIDGE

DWG. NO.
D-2
SHEET. NO.
2



DESIGN LEVEL (m)		505.728	506.728	507.728	508.574	509.112	509.341	509.263	509.127	509.186	509.440	509.790	510.141	510.491
EXISTING LEVEL (m)		505.728	506.279	506.956	505.085	503.355	504.088	507.080	507.890	508.644	508.790	509.212	509.819	510.491
CHAINAGE (km)		0+000.00	0+010.00	0+020.00	0+030.00	0+040.00	0+050.00	0+060.00	0+070.00	0+080.00	0+090.00	0+100.00	0+110.00	0+120.00
HORIZONTAL ALIGNMENT	RIGHT	IP-01 IP-02 IP-04 IP-05												
	LEFT	R=0.00 R=20.00 R=20.00 R=40.00 R=0.00												

CHAINAGE : 0+000.00 - 0+120.00

IP.No	CO-ORDINATES(m)		WCB (D-M-S)	DIST (m)	DEF. ANG (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
1	563822.933	3104047.767	341-56-34	0.000	00-00-00	0.000	0.000	0.000	0.000	0+000.00	0+000.00	0+000.00	0+000.00
2	563814.625	3104073.250	50-19-21	26.803	68-22-57	13.588	20.000	4.179	23.870	0+013.22	0+025.16	0+037.09	0+026.81
3	563837.570	3104092.284	332-14-42	29.812	78-04-37	16.218	20.000	5.749	27.254	0+037.10	0+050.73	0+064.35	0+053.32
4	563814.813	3104135.529	27-11-34	48.867	54-56-47	20.799	40.000	5.084	38.360	0+076.20	0+095.38	0+114.56	0+097.00
5	563826.804	3104158.868	00-00-00	26.239	00-00-00	0.000	0.000	0.000	0.000	0+120.00	0+120.00	0+120.00	0+120.00

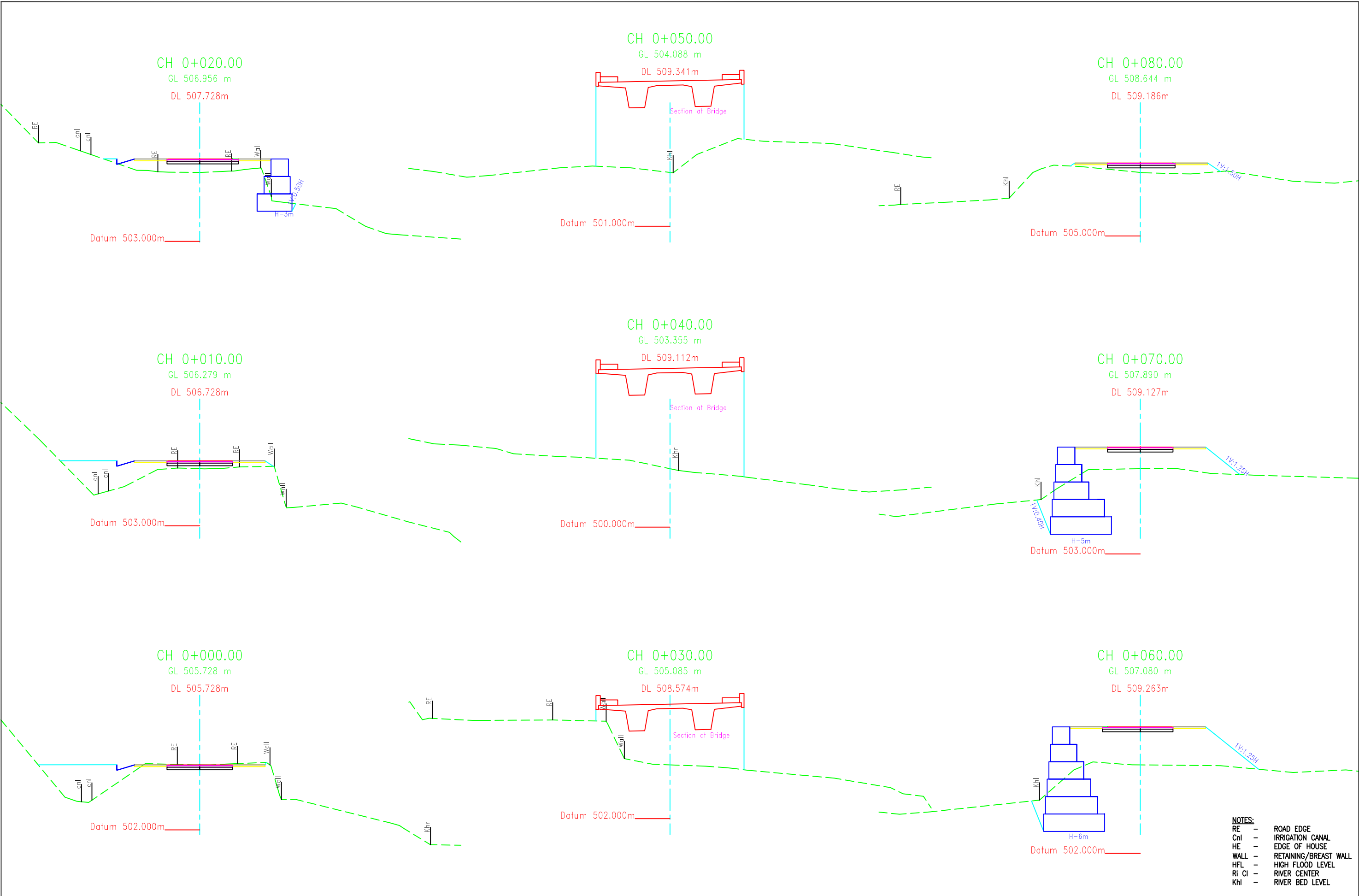
THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:
THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK ROAD,
GORKHA DISTRICT

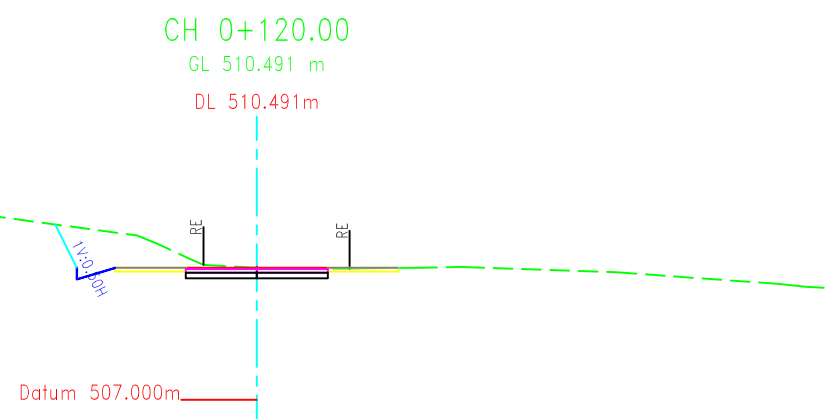
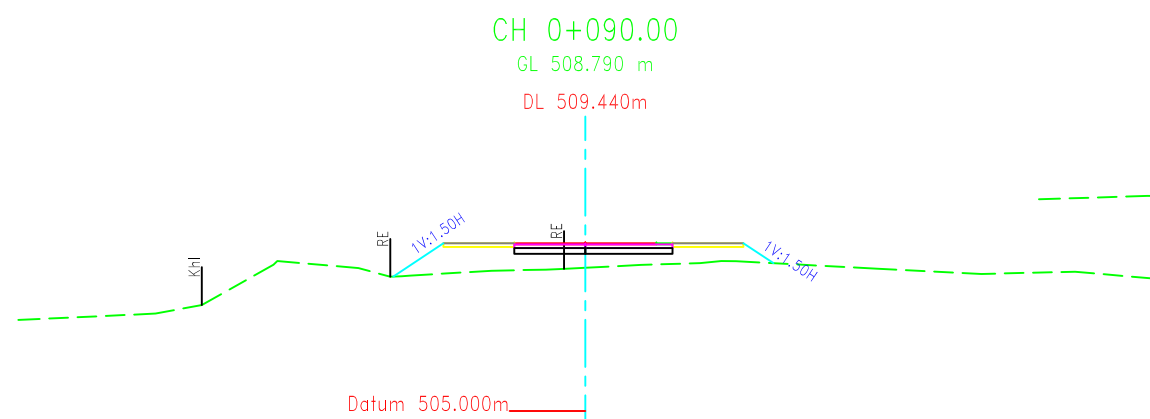
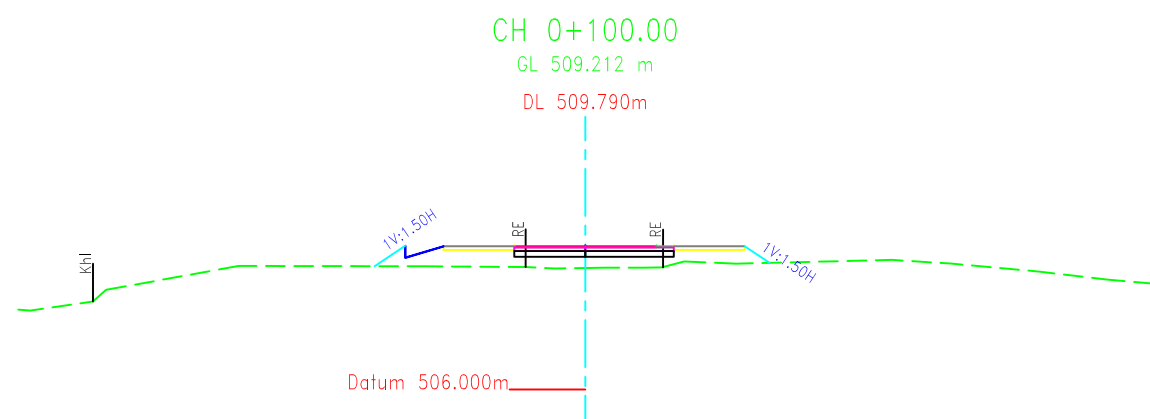
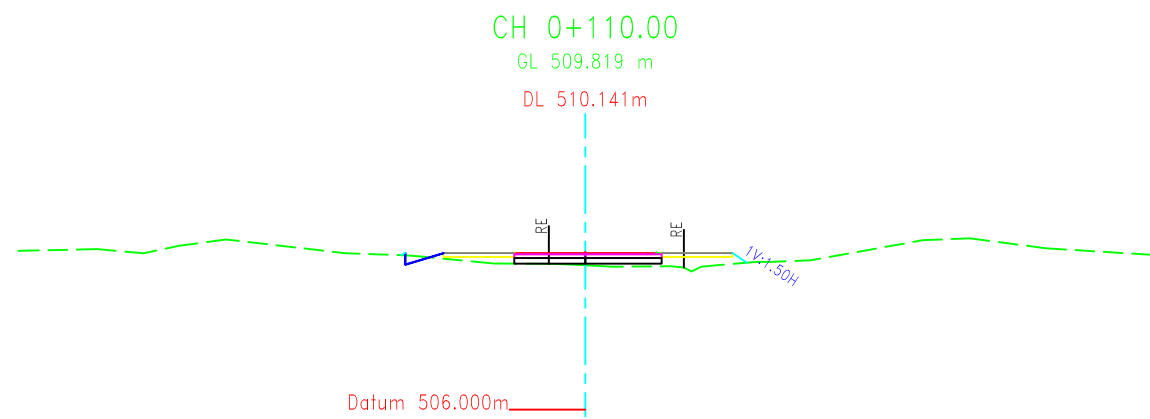
SCALE
H 1:1000
V 1:500
DEC. 2015

PROFILE OF KHAHARE
KHOLA BRIDGE

DWG. NO.
D-3
SHEET. NO.
3



THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK RE, GORKHA DISTRICT	SCALE 1:200 DEC. 2015	CROSS SECTIONS OF KHAHARE KHOLA BRIDGE	DWG. NO. D-4
					SHEET. NO.
					4



- NOTES:
- RE - ROAD EDGE
 - Cnl - IRRIGATION CANAL
 - HE - EDGE OF HOUSE
 - WALL - RETAINING/BREAST WALL
 - HFL - HIGH FLOOD LEVEL
 - Ri CI - RIVER CENTER
 - Khl - RIVER BED LEVEL

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:
THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK RE,
GORKHA DISTRICT

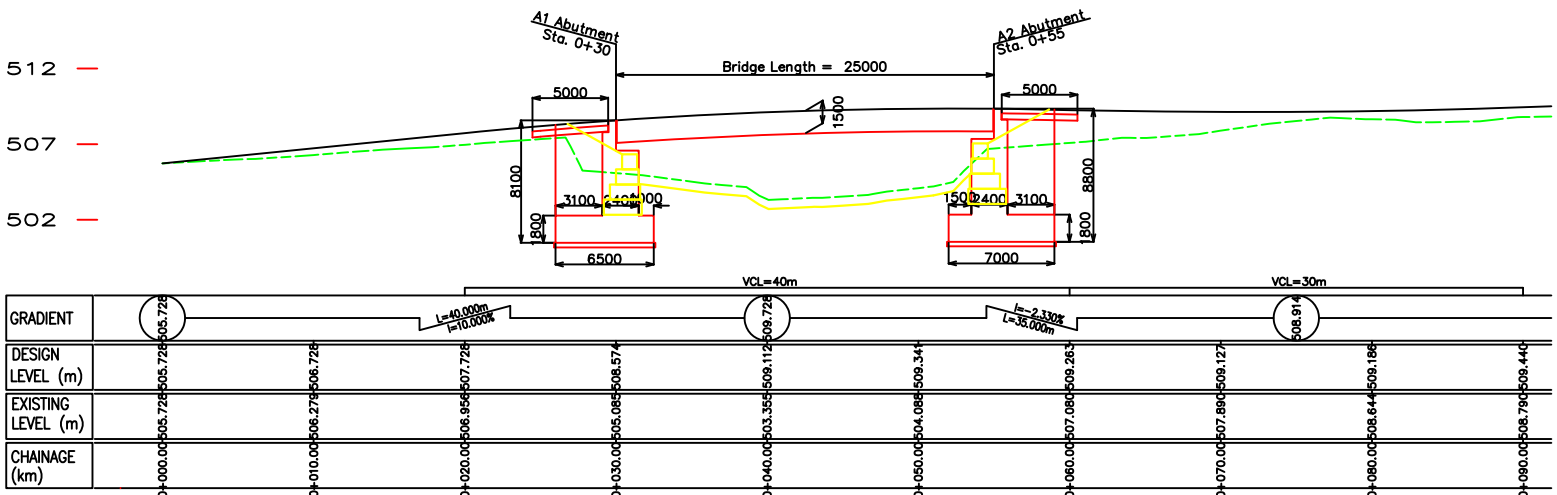
SCALE
1:200
DEC. 2015

CROSS SECTIONS OF
KHAHARE KHOLA BRIDGE

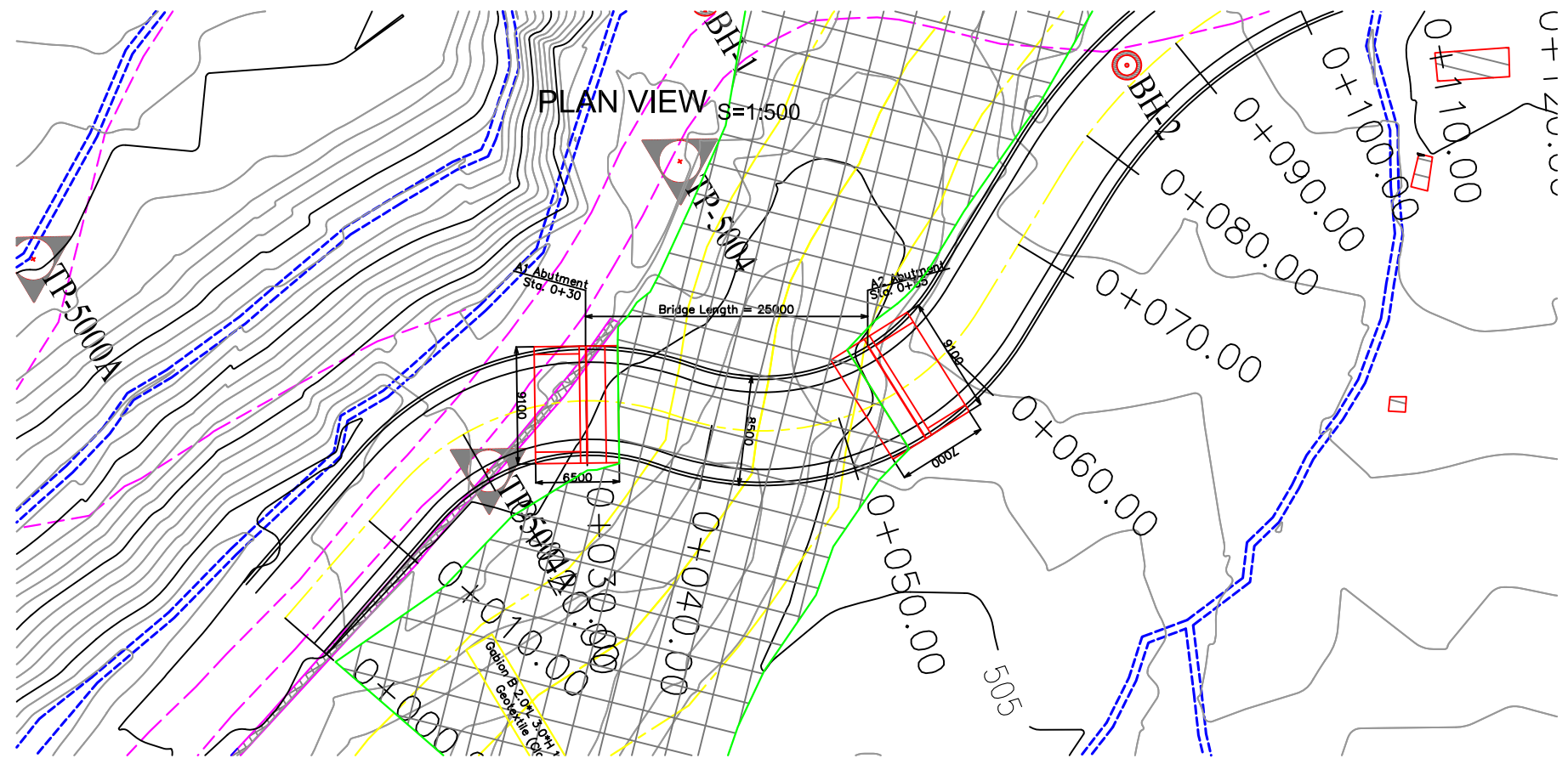
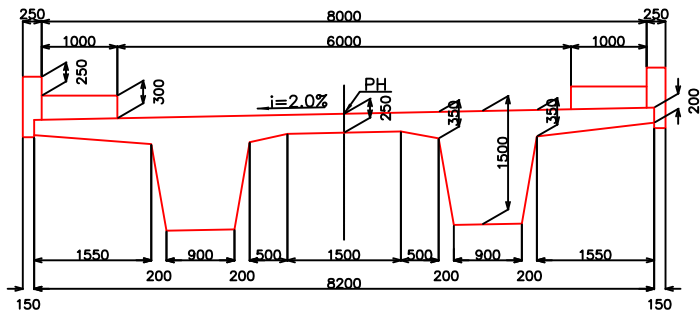
DWG. NO.
D-4
SHEET. NO.
5

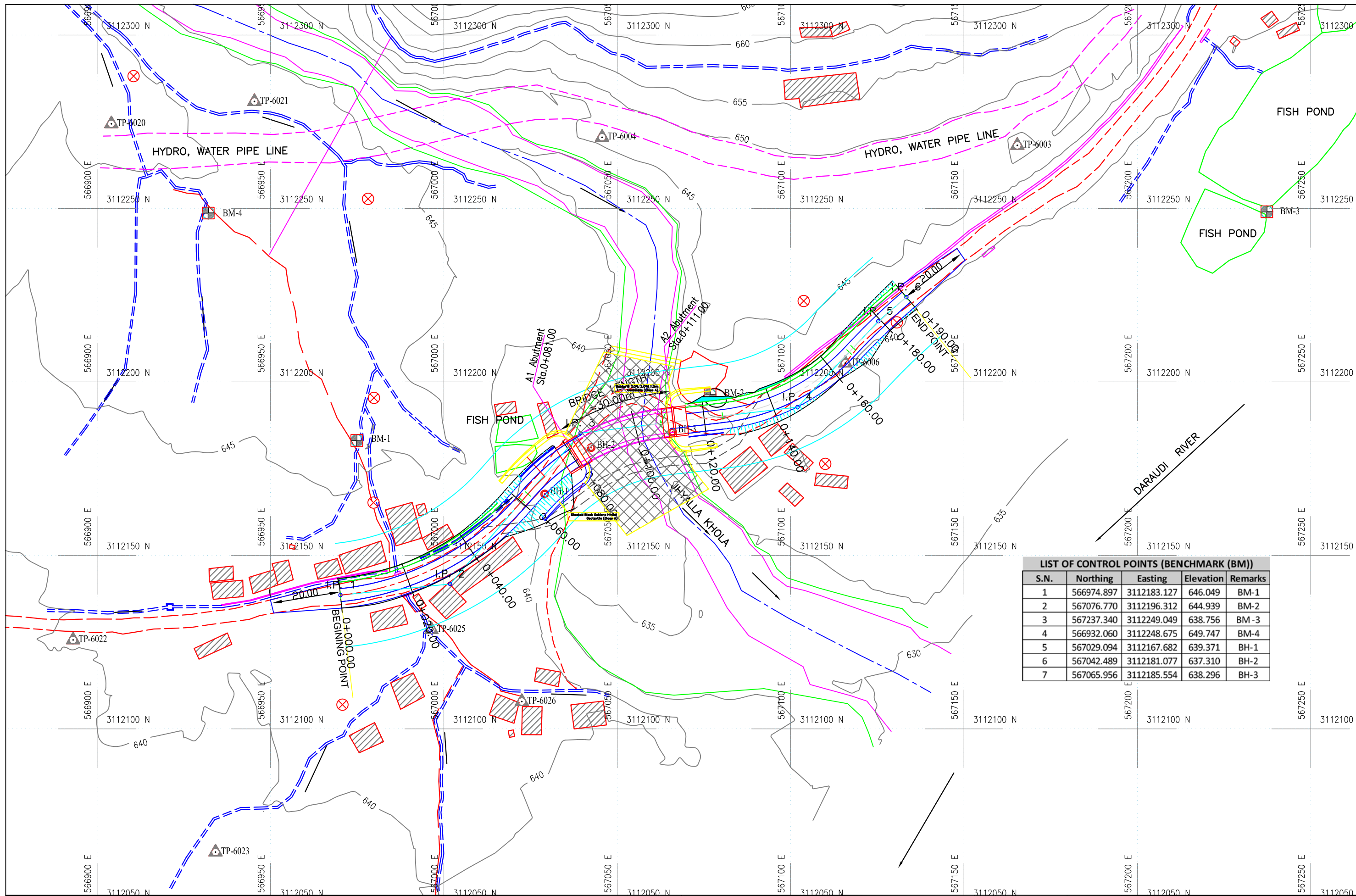
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517 —
512 —
507 —
502 —

GENERAL VIEW OF KHAHARE KHOLA BRIDGE
SIDE VIEW S=1:500

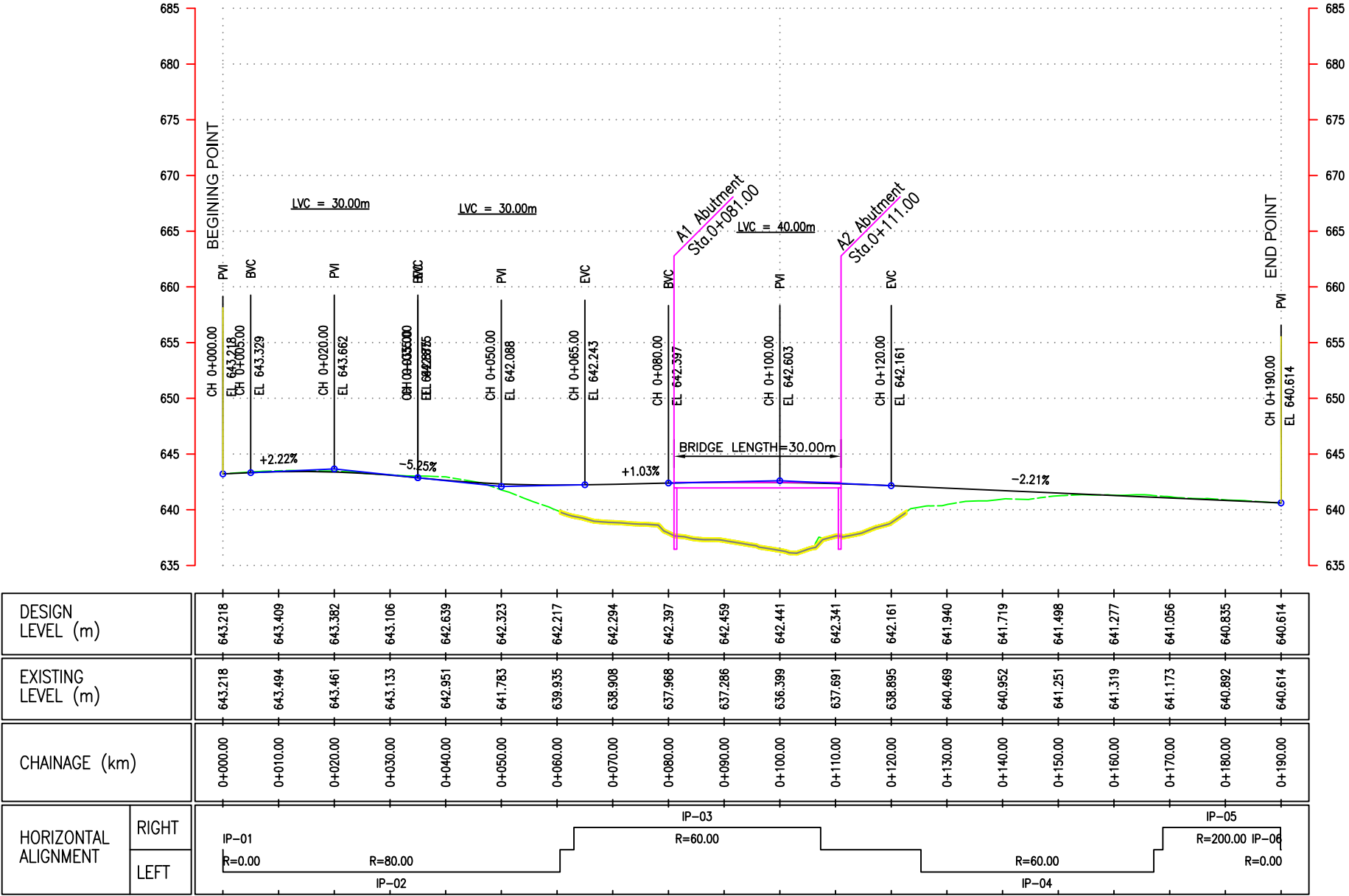


TYPICAL CROSS SECTION S=1:100





LIST OF CONTROL POINTS (BENCHMARK (BM))				
S.N.	Northing	Easting	Elevation	Remarks
1	566974.897	3112183.127	646.049	BM-1
2	567076.770	3112196.312	644.939	BM-2
3	567237.340	3112249.049	638.756	BM-3
4	566932.060	3112248.675	649.747	BM-4
5	567029.094	3112167.682	639.371	BH-1
6	567042.489	3112181.077	637.310	BH-2
7	567065.956	3112185.554	638.296	BH-3



CHAINAGE : 0+000.00 - 0+190.00

IP.No	CO-ORDINATES(m)		WCB (D-M-S)	DIST (m)	DEF. ANG (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
1	566970.184	3112138.538	84-12-04	0.000	00-00-00	0.000	0.000	0.000	0.000	0+000.00	0+000.00	0+000.00	0+000.00
2	567001.812	3112141.750	40-51-31	31.791	43-20-39	31.791	80.000	6.085	60.520	0+000.00	0+030.26	0+060.52	0+031.79
3	567039.438	3112185.250	83-09-50	57.515	42-18-25	23.217	60.000	4.335	44.304	0+063.03	0+085.18	0+107.33	0+086.25
4	567102.000	3112192.750	43-17-06	63.010	39-52-40	21.766	60.000	3.826	41.760	0+125.36	0+146.24	0+167.12	0+147.13
5	567125.312	3112217.501	49-19-54	34.001	06-02-40	10.560	200.000	0.279	21.100	0+168.80	0+179.35	0+189.90	0+179.36
6	567133.400	3112224.450	00-00-00	10.663	00-00-00	0.000	0.000	0.000	0.000	0+190.00	0+190.00	0+190.00	0+190.00

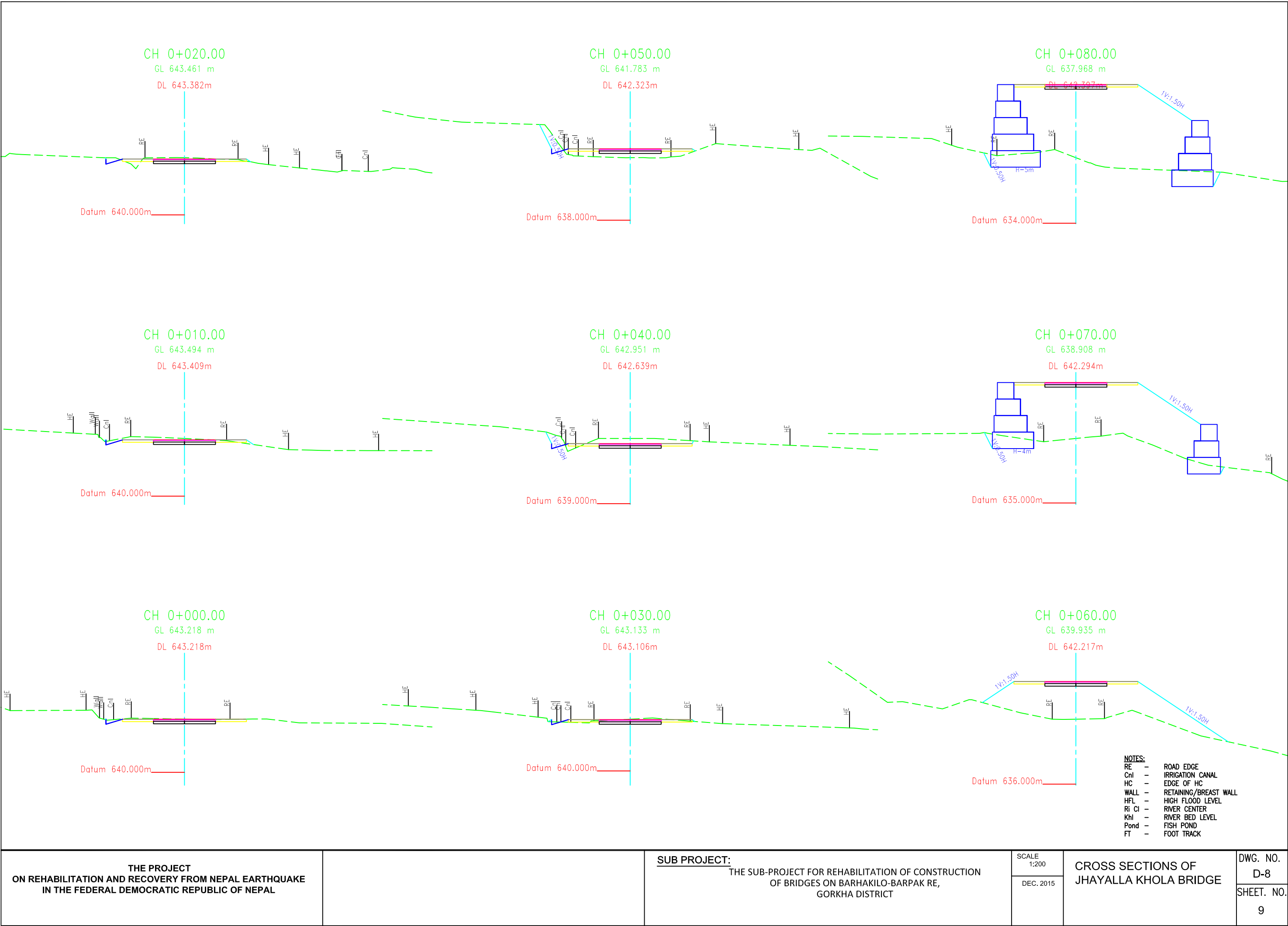
THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:
THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK ROAD,
GORKHA DISTRICT

SCALE
H 1:1000
V 1:500
DEC. 2015

PROFILE OF JHAYALLA
KHOLA BRIDGE

DWG. NO.
D-7
SHEET. NO.
8



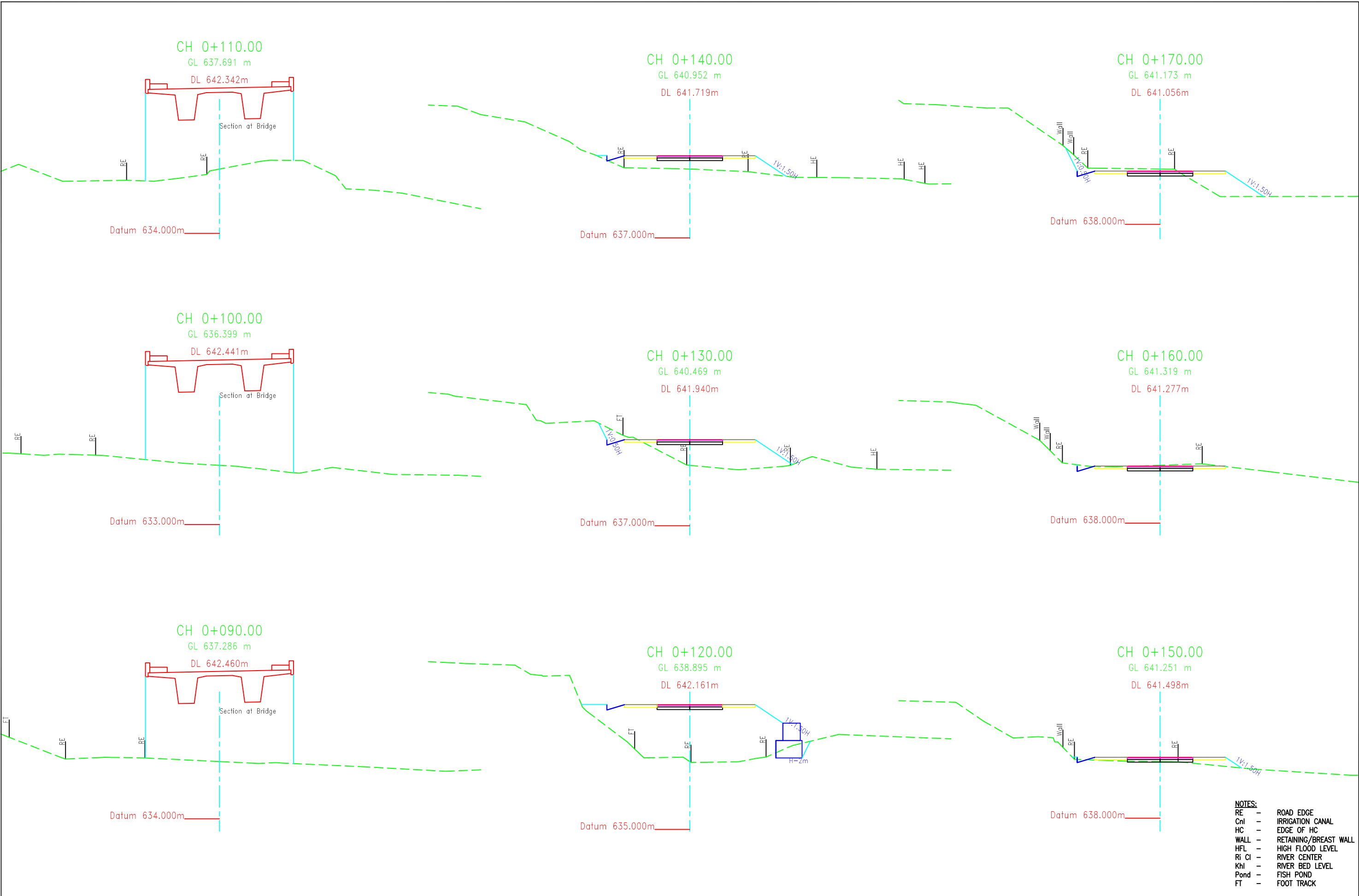
THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:
THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK RE,
GORKHA DISTRICT

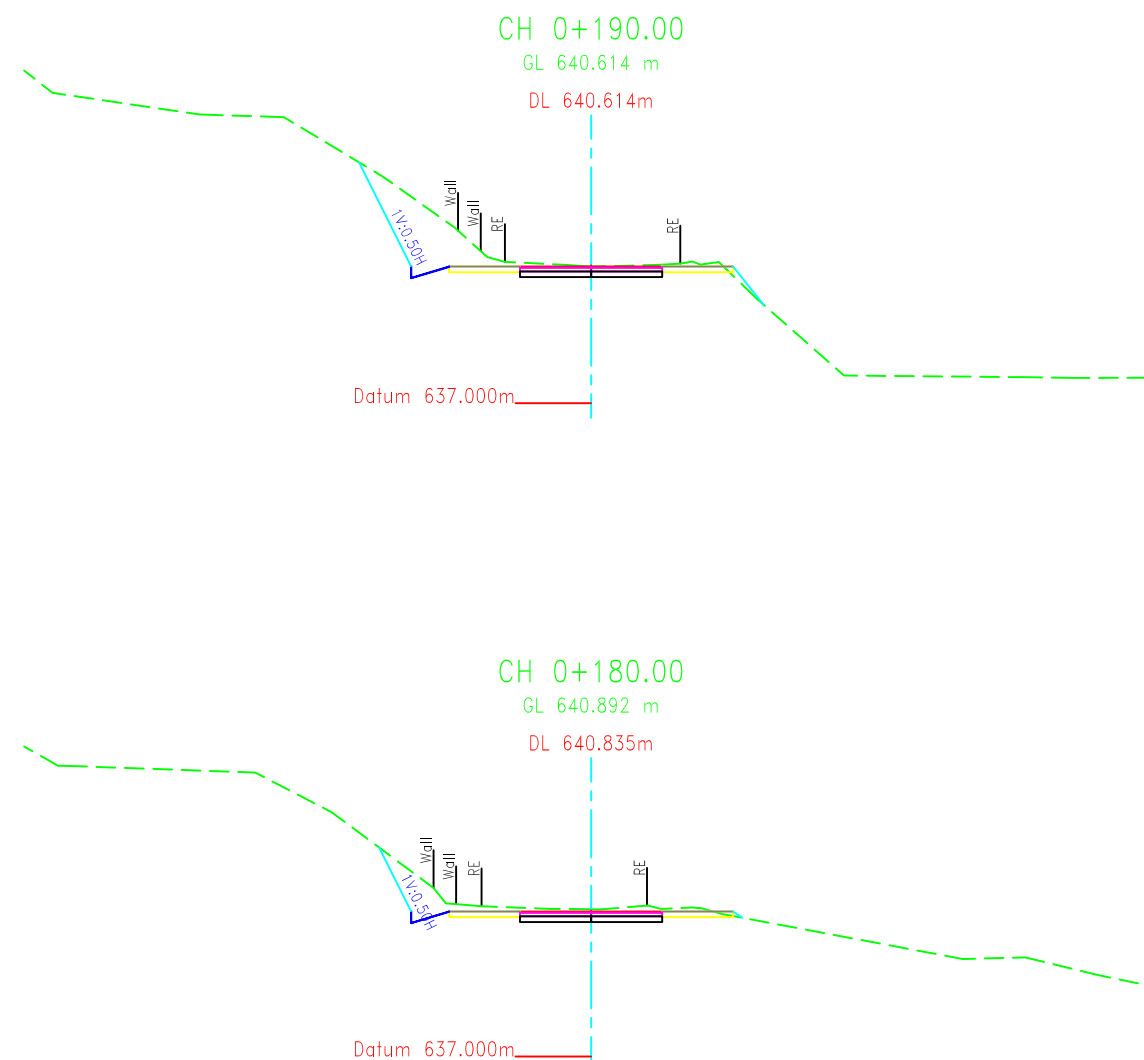
SCALE
1:200
DEC. 2015

CROSS SECTIONS OF
JHAYALLA KHOLA BRIDGE

DWG. NO.
D-8
SHEET. NO.
9



THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK RE, GORKHA DISTRICT	SCALE H 1:1000 V 1:500 DEC. 2015	CROSS SECTIONS OF JHAYALLA KHOLA BRIDGE	DWG. NO. D-8
					SHEET. NO. 10

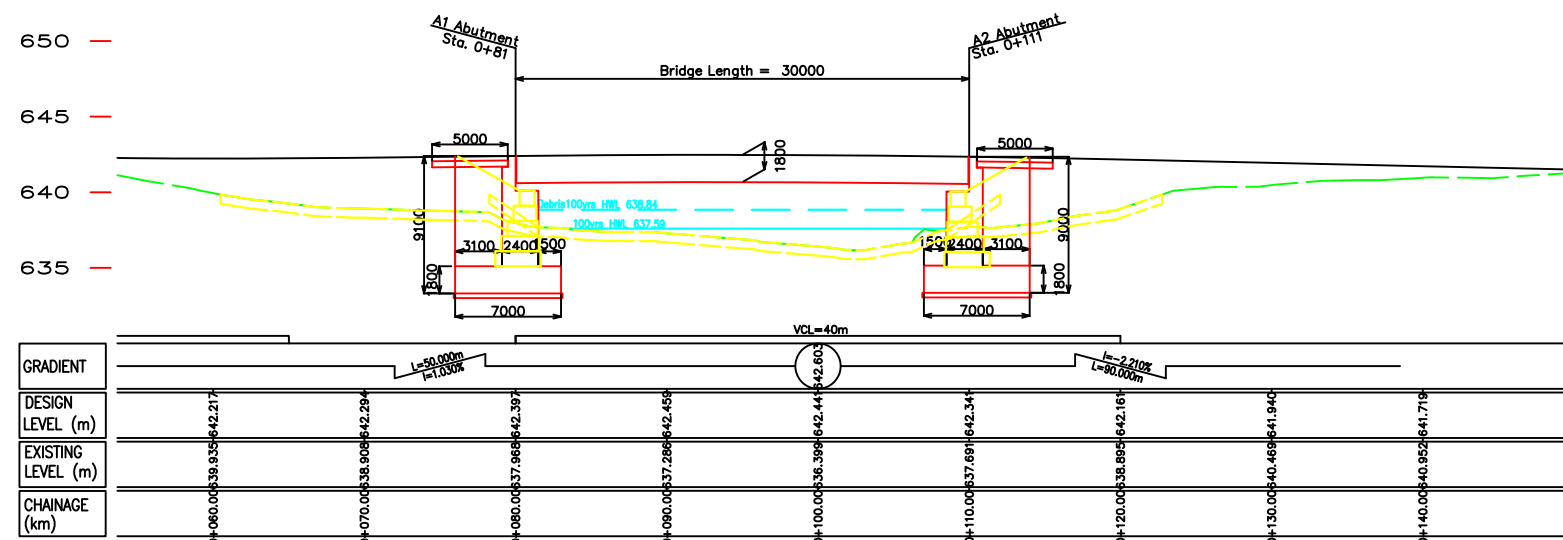


NOTES:
RE - ROAD EDGE
Cnl - IRRIGATION CANAL
HC - EDGE OF HC
WALL - RETAINING/BREAST WALL
HFL - HIGH FLOOD LEVEL
Ri Cl - RIVER CENTER
KhI - RIVER BED LEVEL
Pond - FISH POND
FT - FOOT TRACK

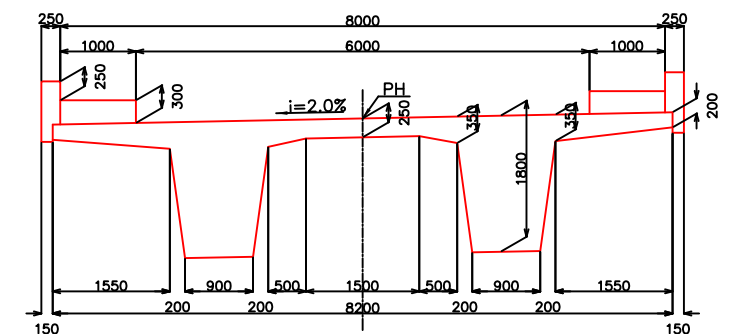
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GENERAL VIEW OF JHYALLA KHOLA BRIDGE

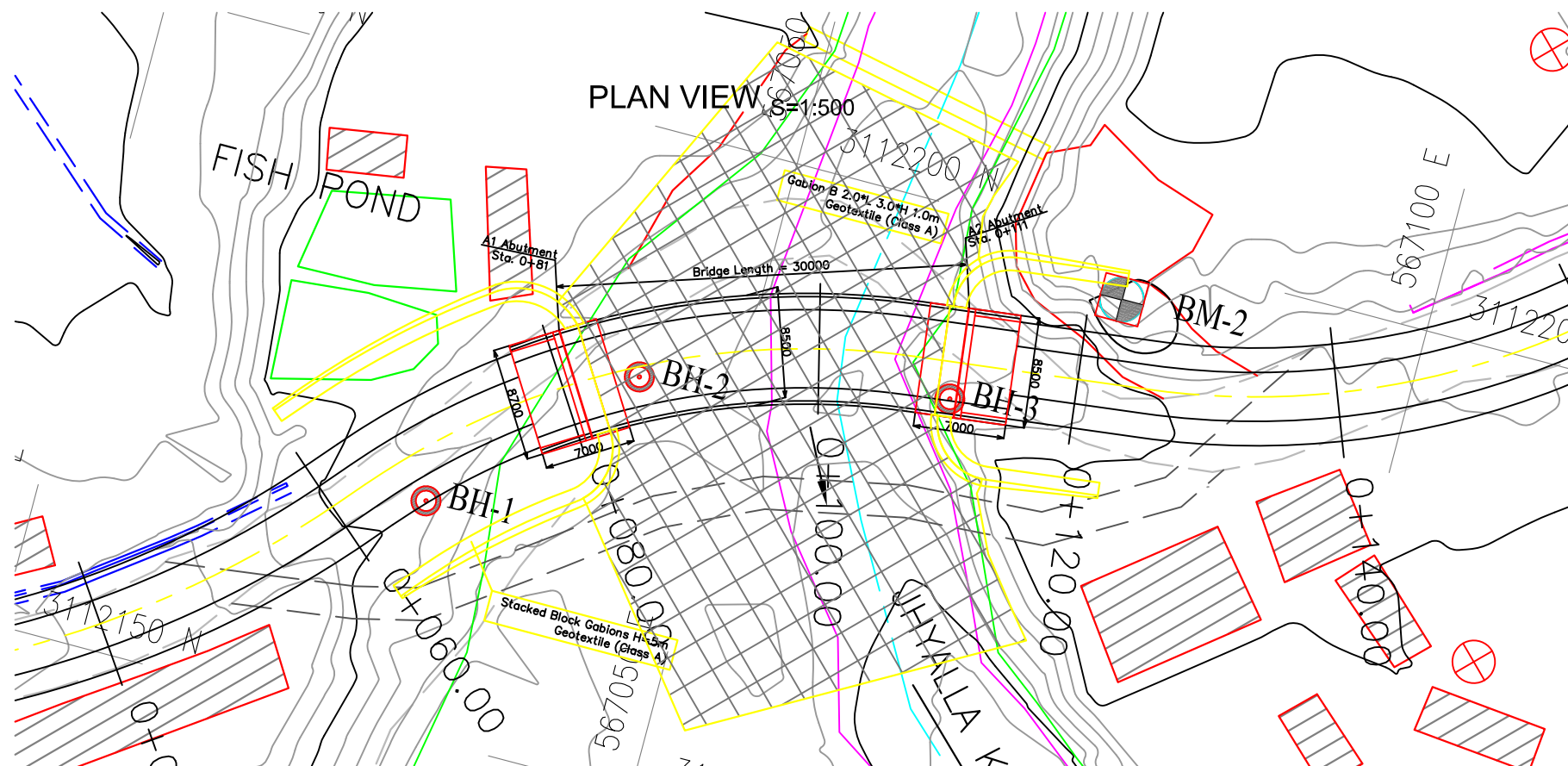
SIDE VIEW S=1:500

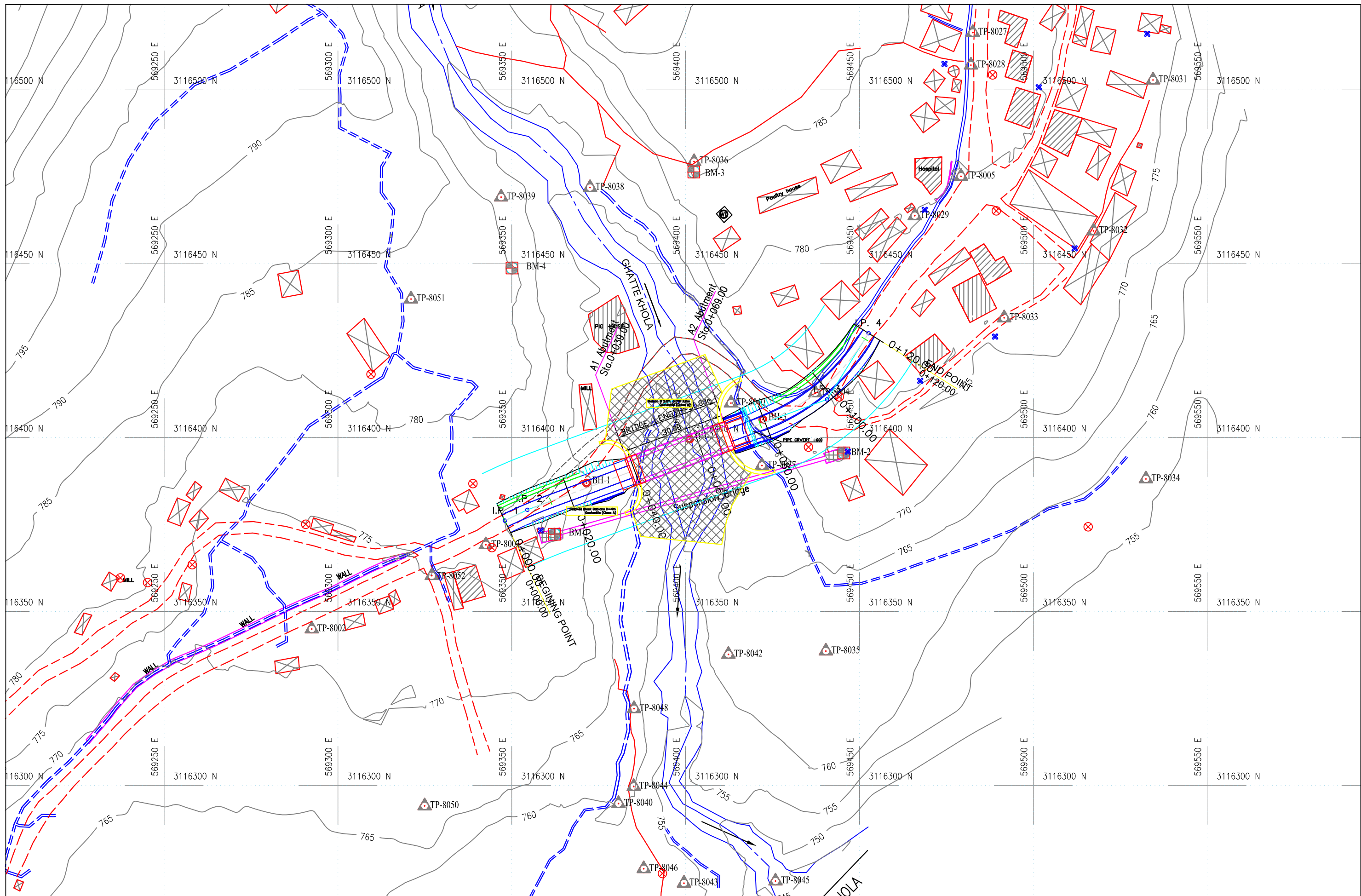


TYPICAL CROSS SECTION S=1:100

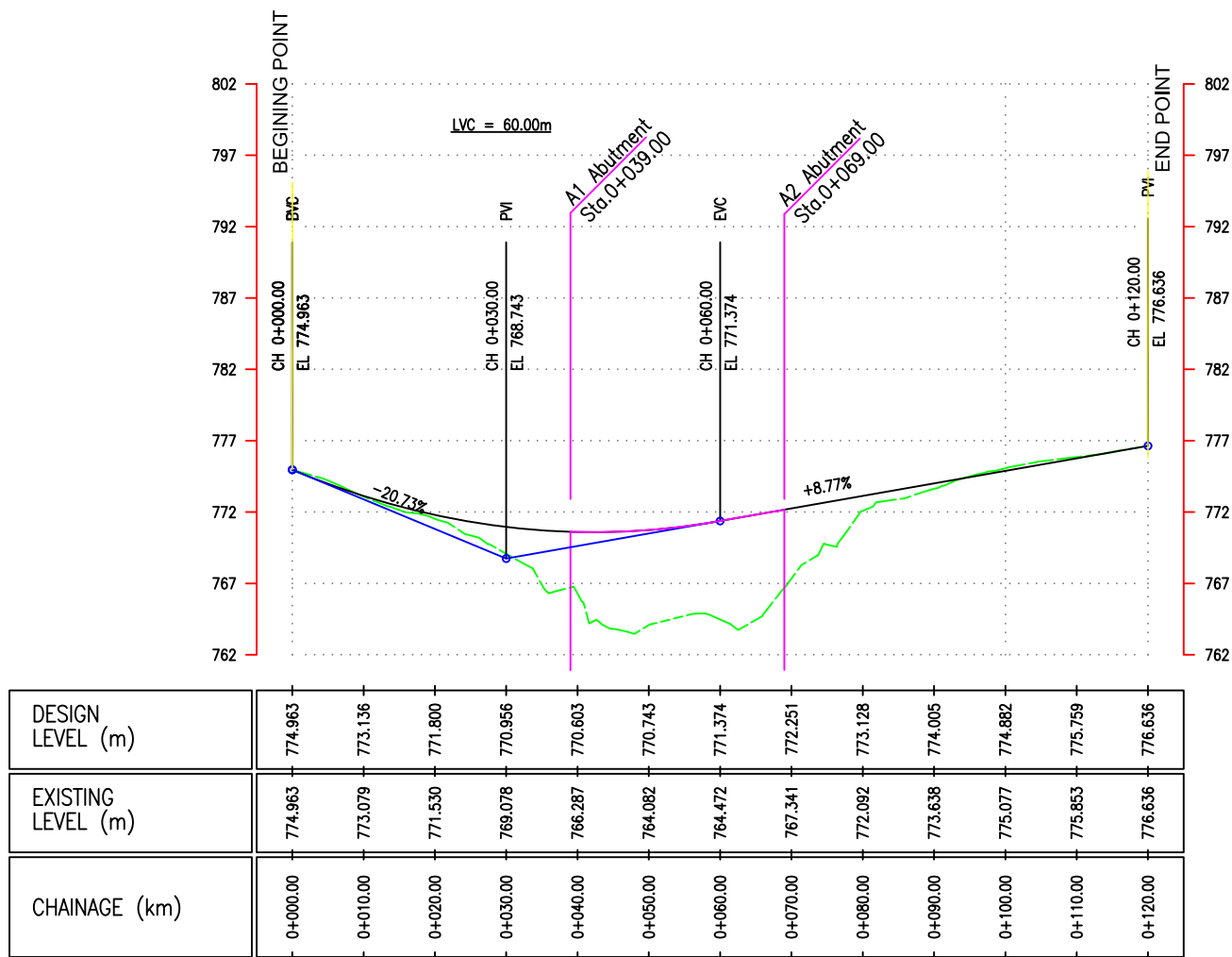


PLAN VIEW S=1:500

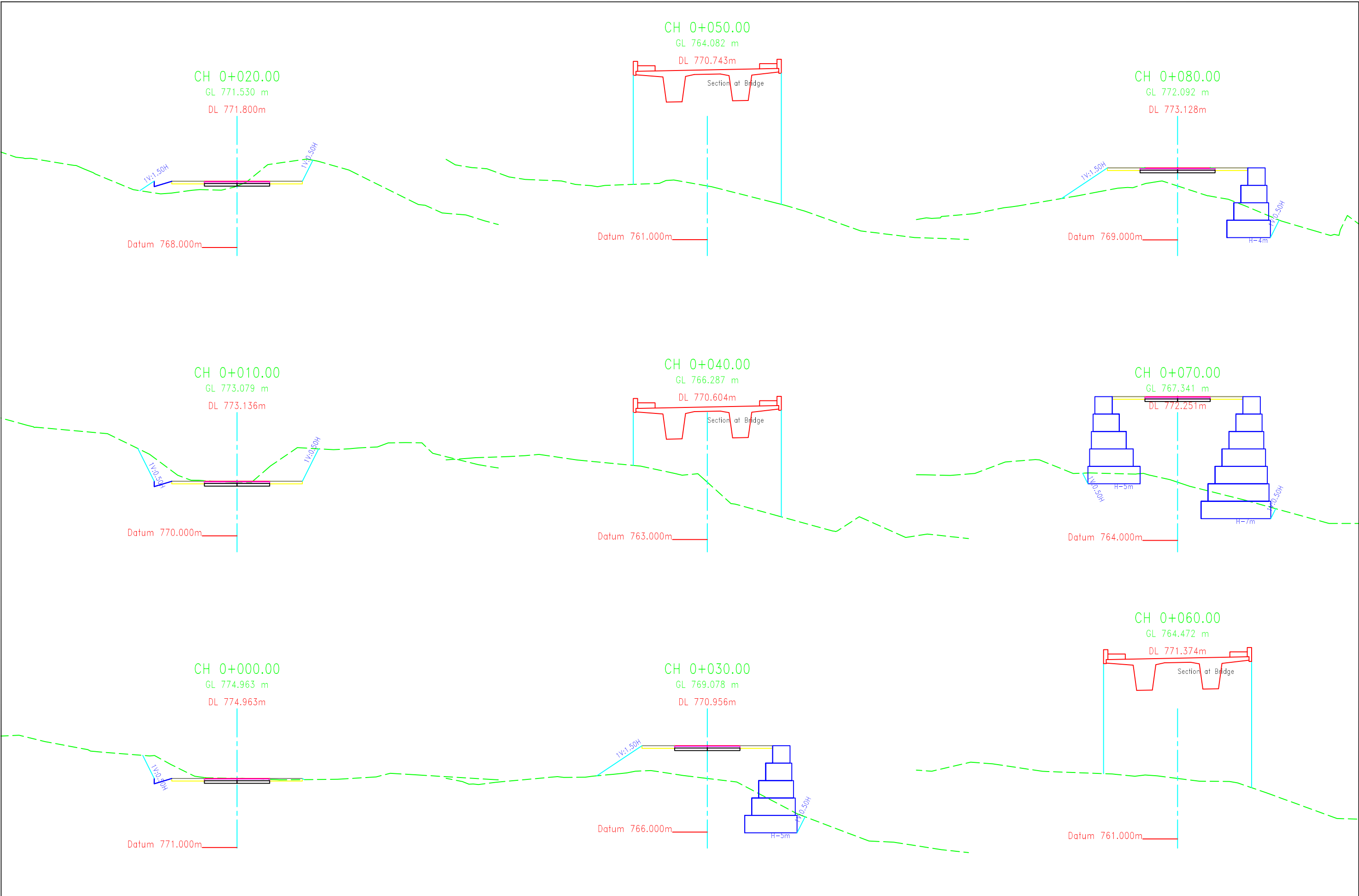




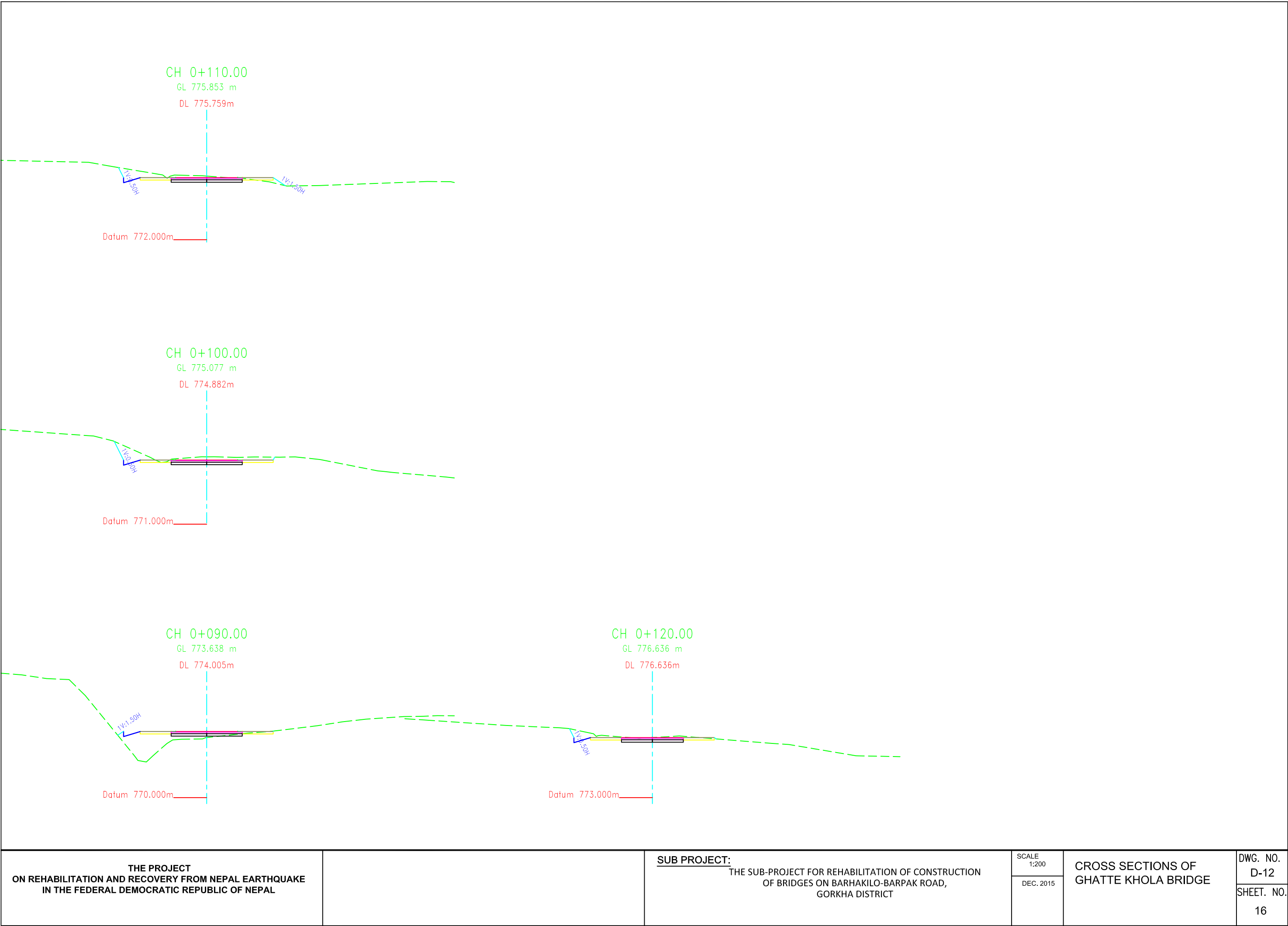
THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE 1:1000	PLAN OF GAHTTE KHOLA BRIDGE	DWG. NO. D-10
			DEC. 2015		SHEET. NO. 13



CHAINAGE : 0+000.00 – 0+120.00



THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE 1:200	CROSS SECTIONS OF GHATTE KHOLA BRIDGE	DWG. NO. D-12
			DEC 2015		SHEET. NO. 15



THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:
THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK ROAD,
GORKHA DISTRICT

SCALE
1:200
DEC. 2015

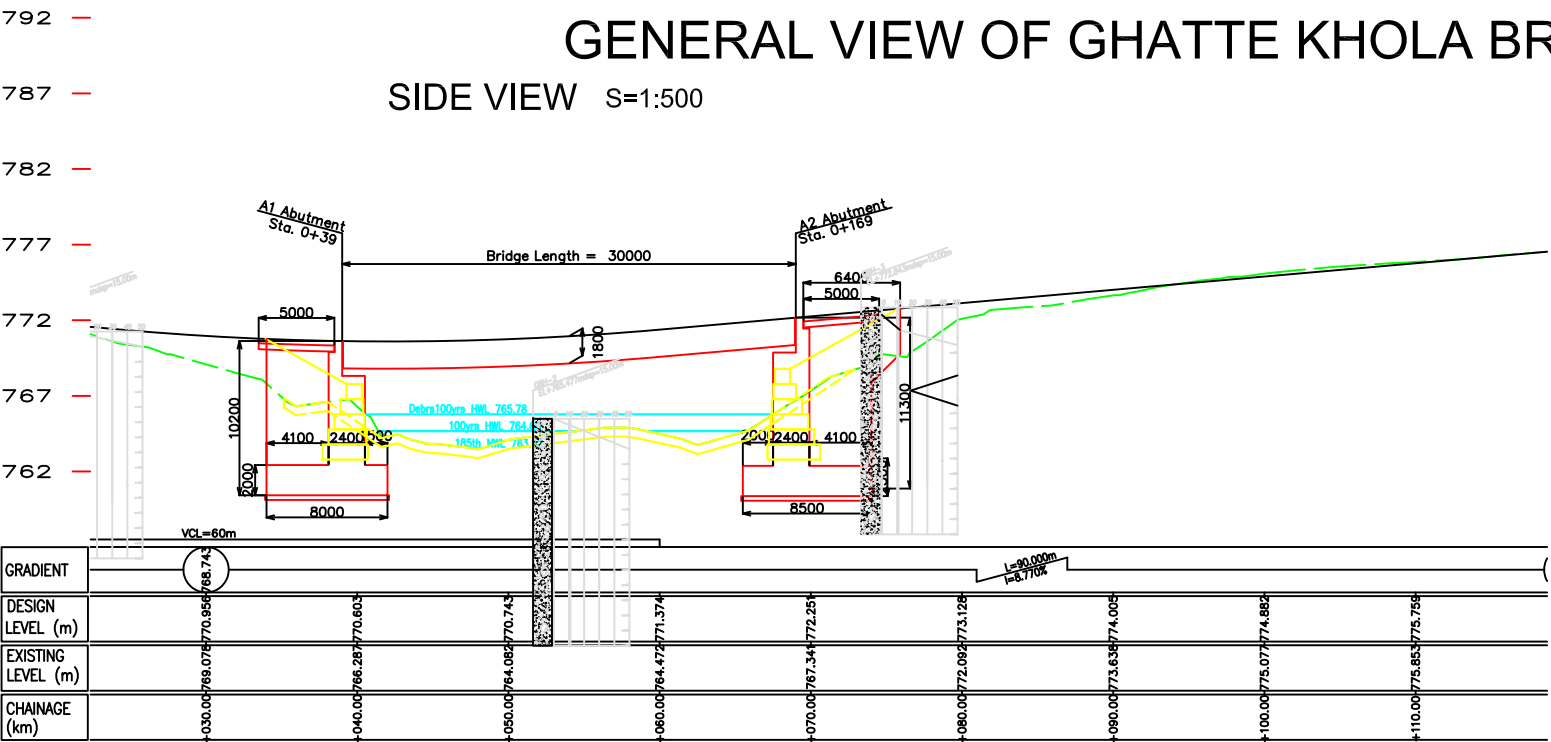
**CROSS SECTIONS OF
GHATTE KHOLA BRIDGE**

DWG. NO.
D-12
SHEET. NO.
16

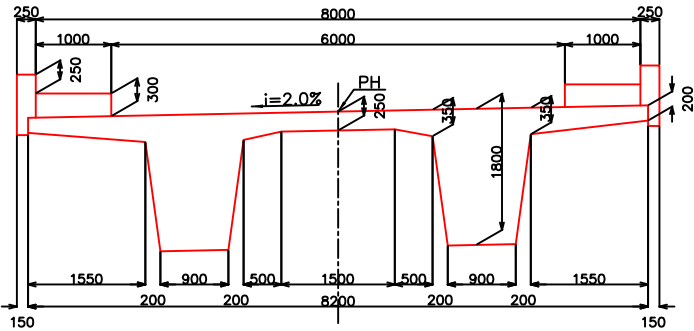
16250 N

GENERAL VIEW OF GHATTE KHOLA BRIDGE

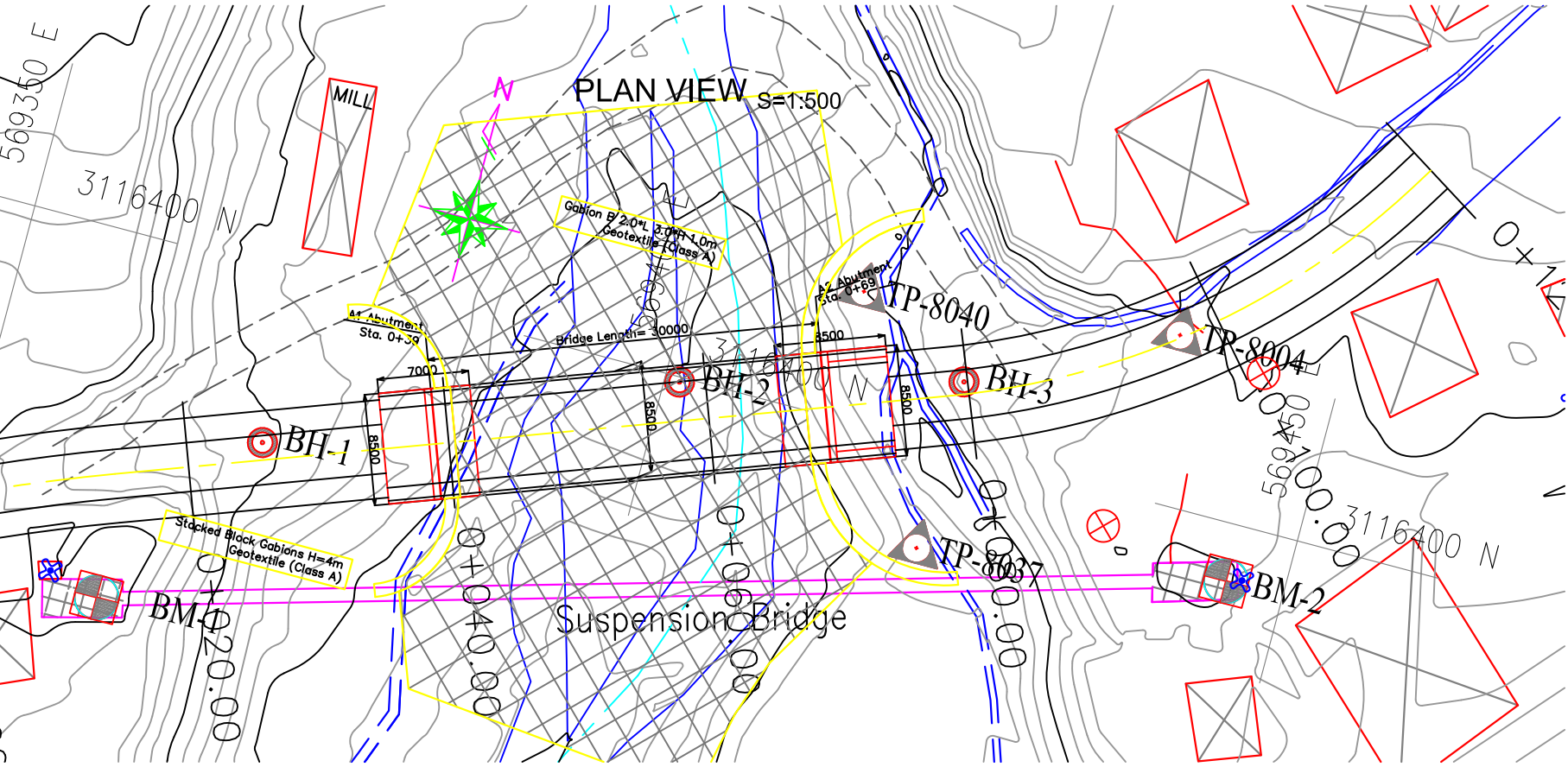
SIDE VIEW S=1:500



TYPICAL CROSS SECTION S=1:100



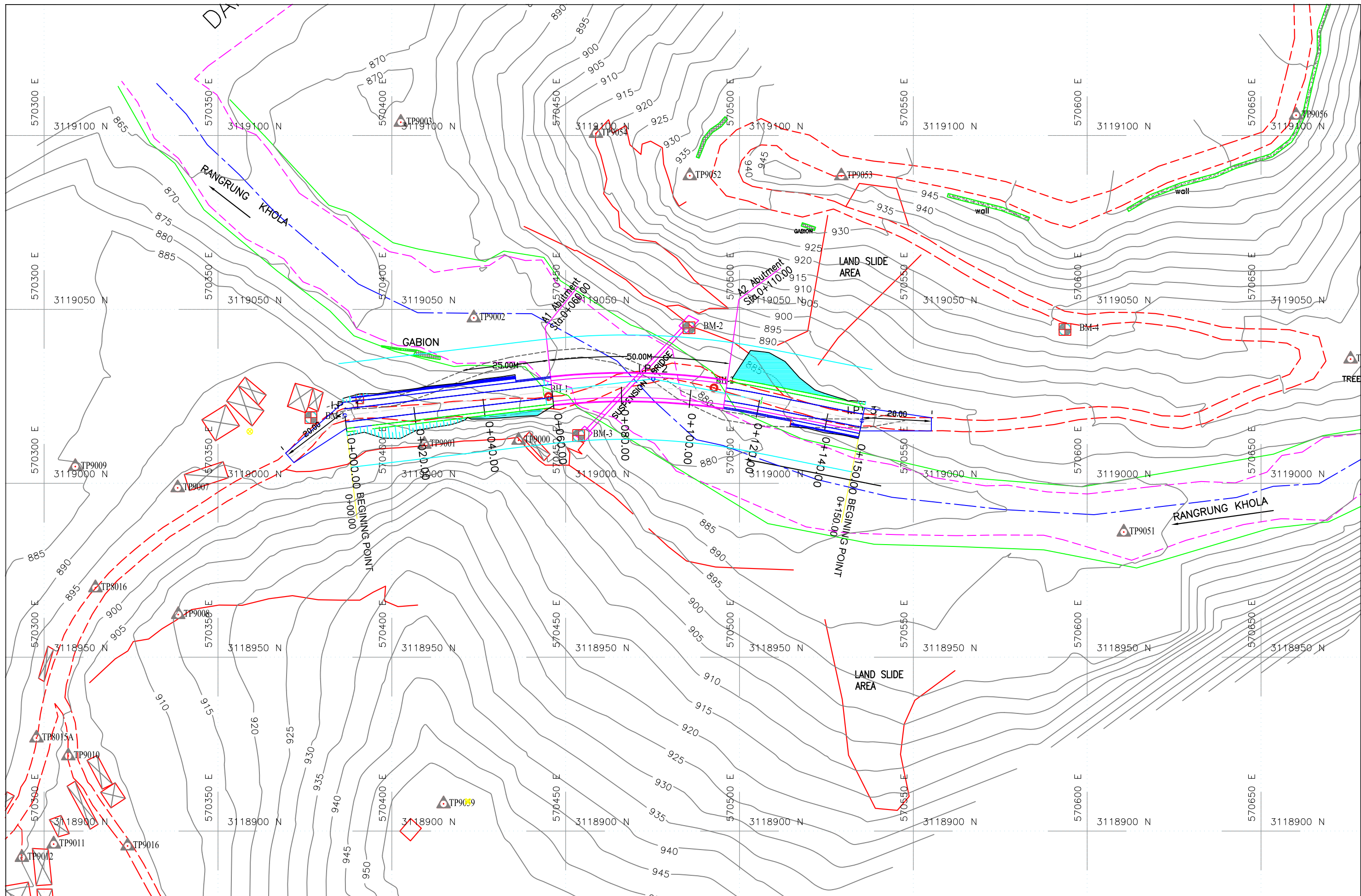
16200 N



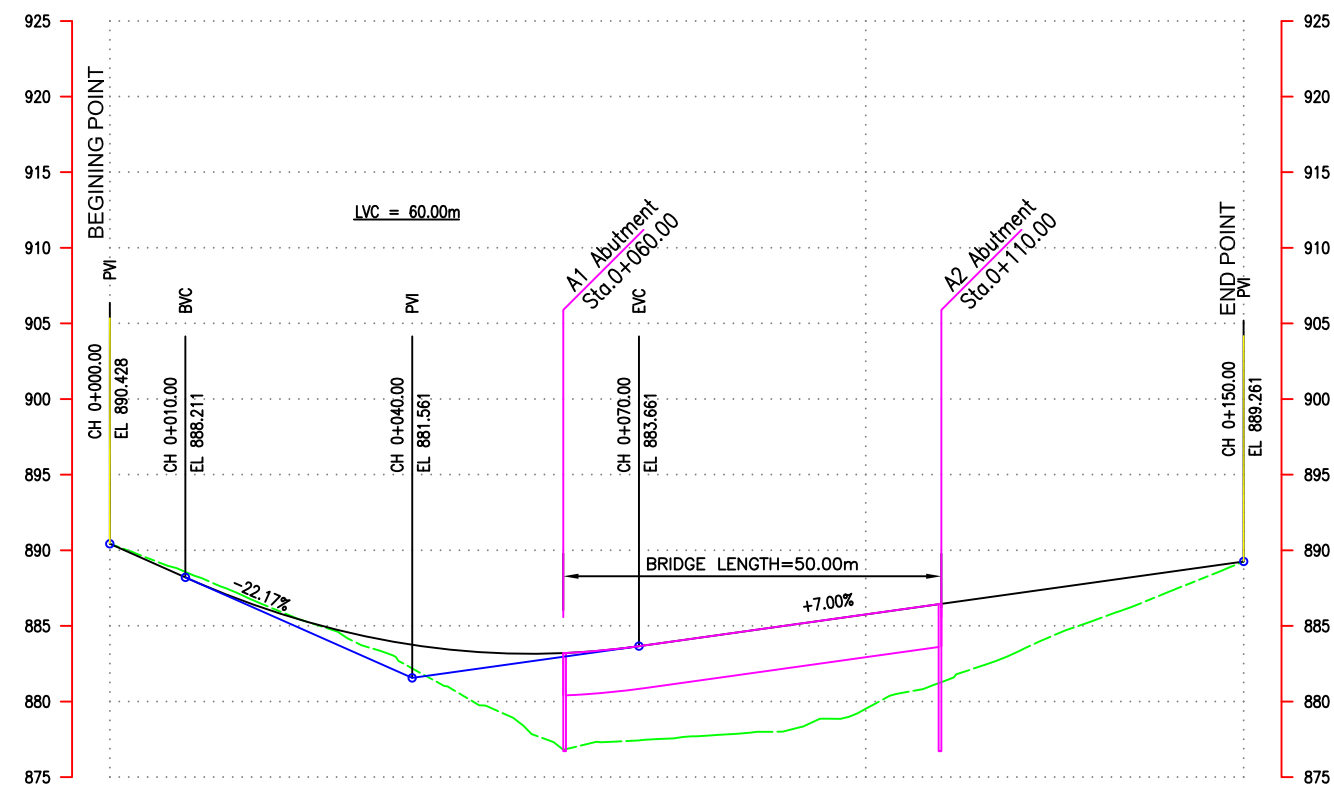
THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT
CONSTRUCTION OF BRIDGES ALONG BARHAKILO - BARPAK ROAD

H:1/1000
V:1/500
DEC. 2015
GENERAL VIEW OF GHATTE
KHOLA BRIDGE
DWG NO
D-13
SHEET. NO.
17



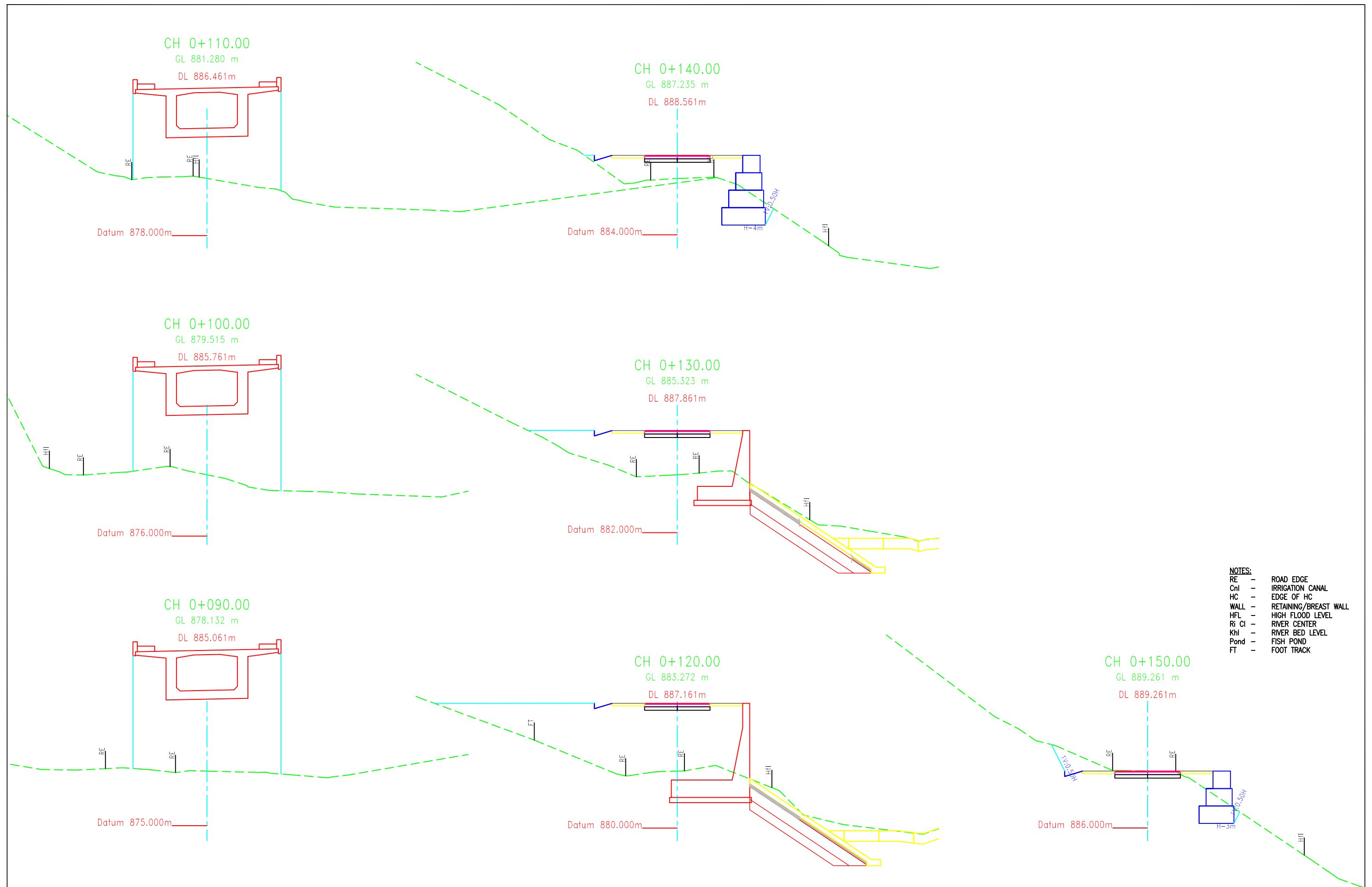
THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE 1:1000	PLAN OF RANGRUNG KHOLA BRIDGE	DWG. NO. D-14
			DEC. 2015		SHEET. NO. 18



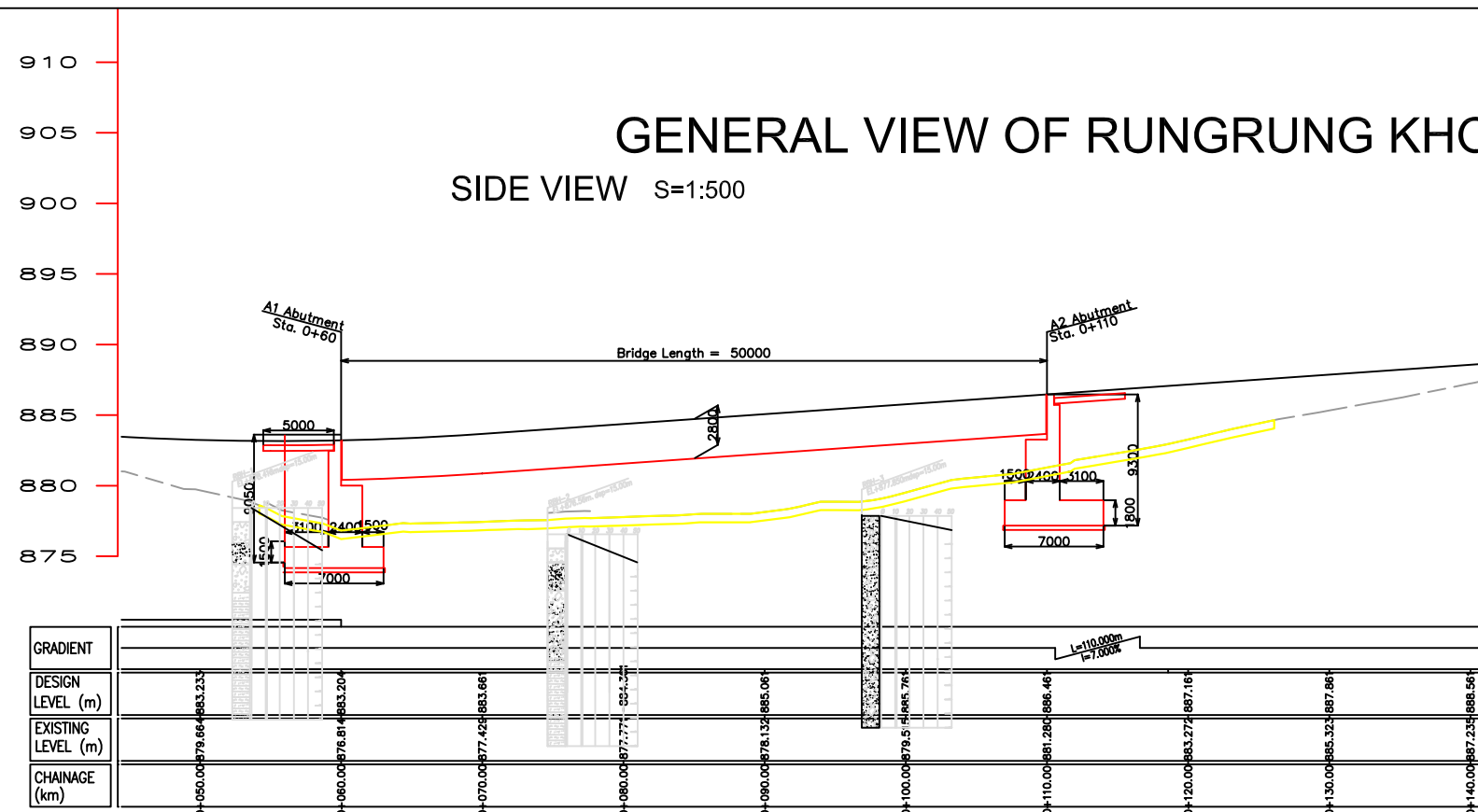
DESIGN LEVEL (m)		890.428	888.211	886.238	884.750	883.749	883.233	883.204	883.661	884.361	885.061	885.761	886.461	887.161	887.861	888.561	889.261
EXISTING LEVEL (m)		890.428	888.572	886.468	884.646	882.189	879.664	876.814	877.429	877.771	878.132	879.515	881.280	883.272	885.323	887.235	889.261
CHAINAGE (km)		0+000.00	0+010.00	0+020.00	0+030.00	0+040.00	0+050.00	0+060.00	0+070.00	0+080.00	0+090.00	0+100.00	0+110.00	0+120.00	0+130.00	0+140.00	0+150.00
HORIZONTAL ALIGNMENT	RIGHT	IP-01															
	LEFT	R=0.00															

CHAINAGE : 0+000.00 - 0+150.00

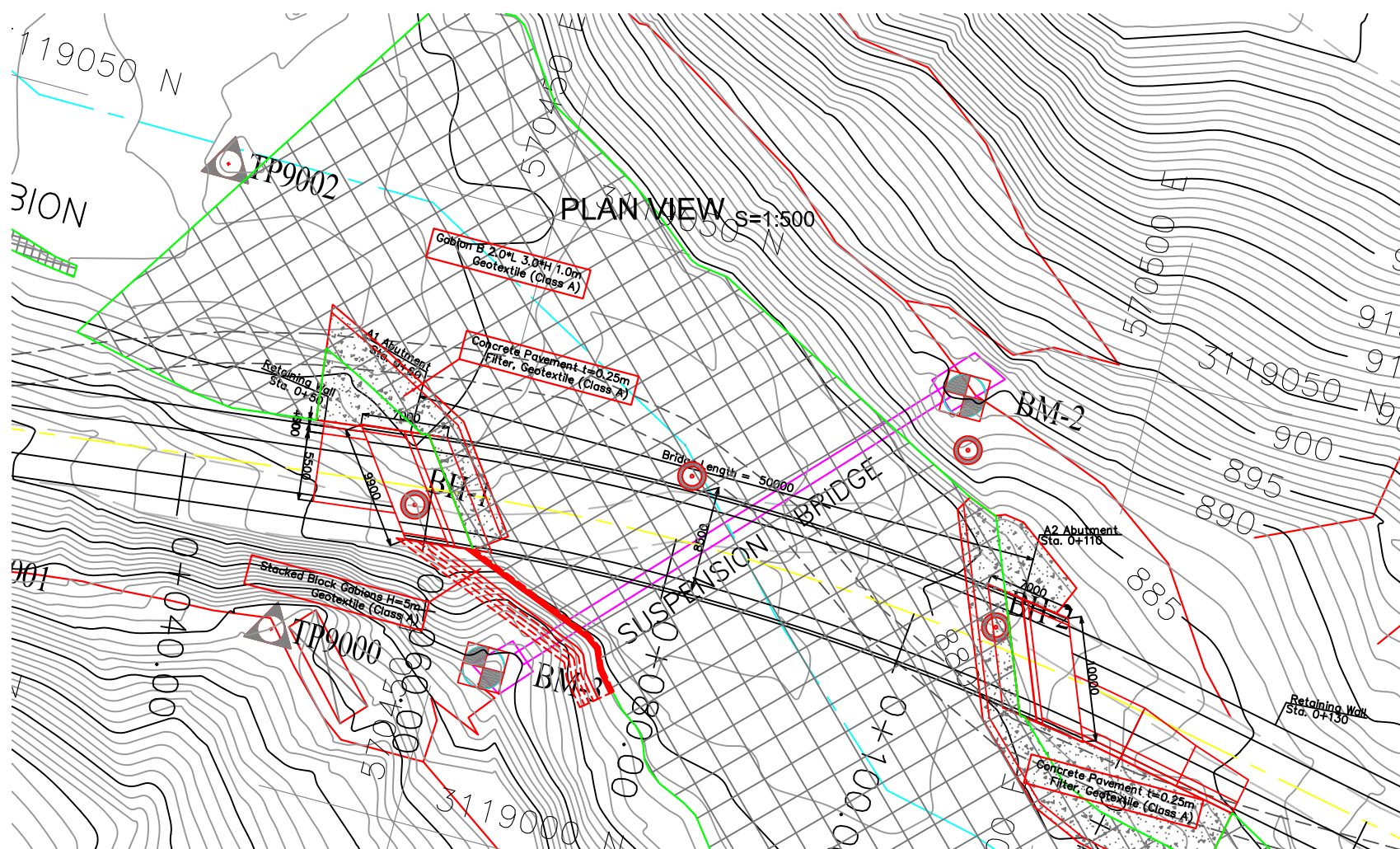
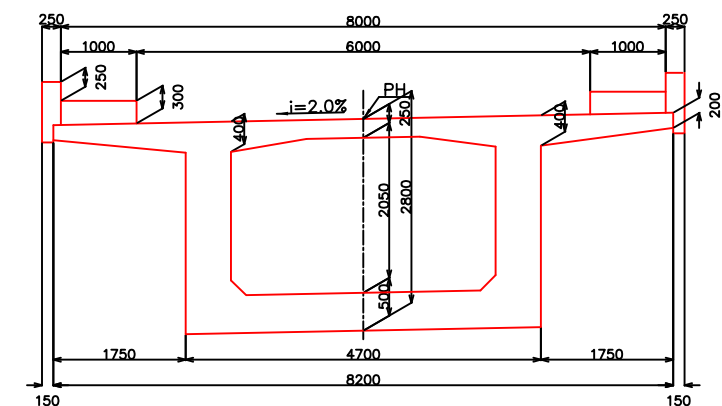
IP.No	CO-ORDINATES(m)		WCB (D-M-S)	DIST (m)	DEF. ANG (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
1	570386.500	3119019.500	83-14-52	0.000	00-00-00	0.000	0.000	0.000	0.000	0+000.00	0+000.00	0+000.00	0+000.00
2	570475.188	3119030.000	101-18-14	89.307	18-03-14	31.773	200.000	2.508	63.020	0+057.53	0+089.04	0+120.55	0+089.30
3	570535.220	3119018.000	00-00-00	61.220	00-00-00	0.000	200.000	0.000	0.000	0+150.00	0+150.00	0+150.00	0+150.00



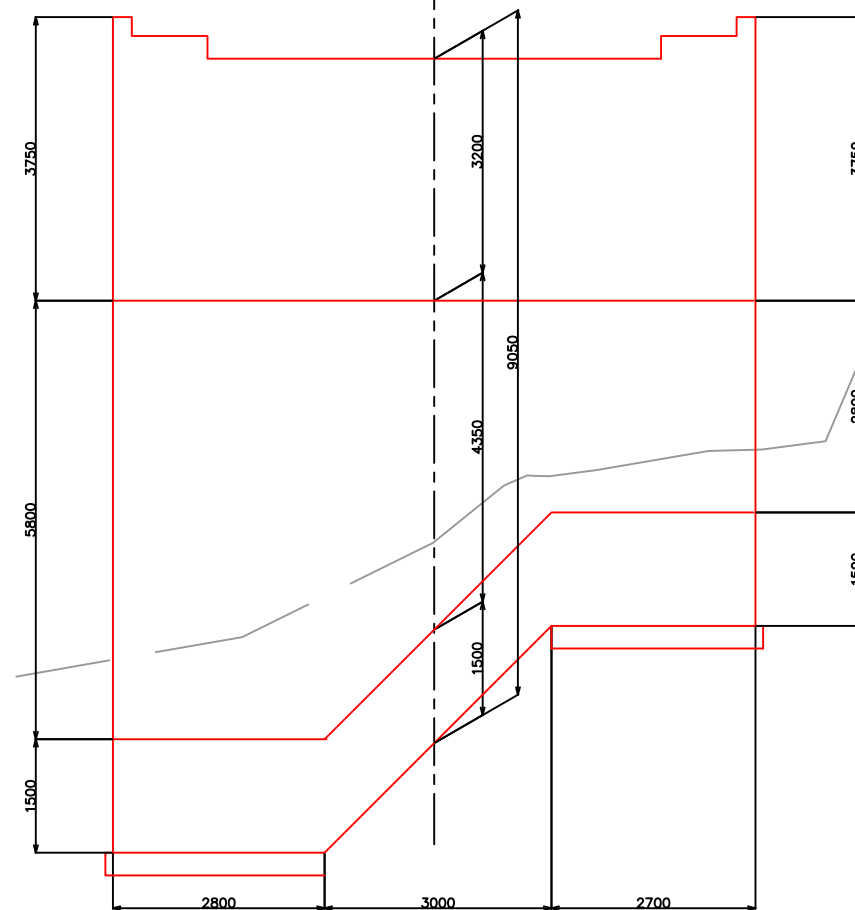
THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE H 1:1000 V 1:500 DEC. 2015	CROSS SECTIONS OF RANGRUNG KHOLA BRIDGE	DWG. NO. D-16
					SHEET. NO. 21

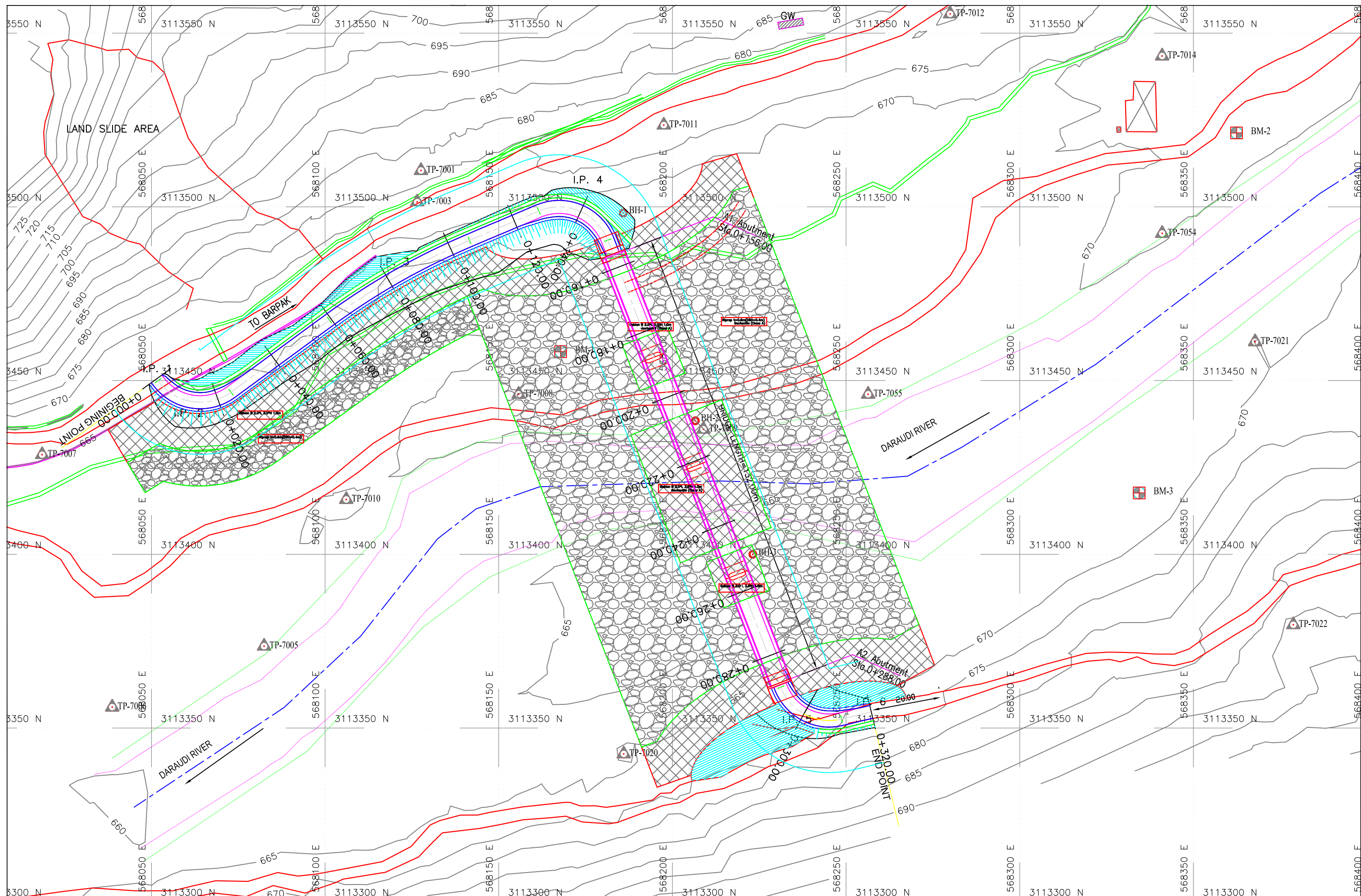


TYPICAL CROSS SECTION S=1:100

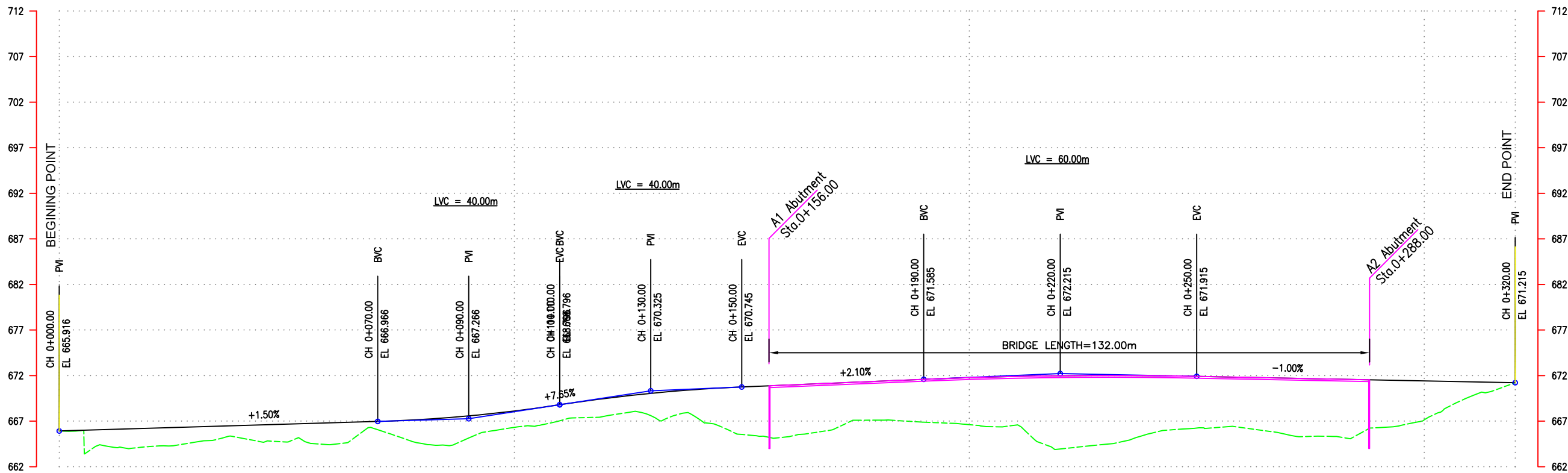


FRONT VIEW OF A1 ABUTMENT S=1:100





THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE 1:1000 DEC. 2015	PLAN OF DARAUDI KHOLA BRIDGE	DWG. NO. D-18 SHEET. NO. 23
--	--	--	---------------------------------------	--	--



DESIGN LEVEL (m)		665.916	666.066	666.216	666.366	666.516	666.666	666.816	666.966	667.193	667.573	668.108	668.796	669.491	670.048	670.466	670.745	670.955	671.165	671.375	671.585	671.769	671.902	671.983	672.012	671.989	671.915	671.815	671.715	671.615	671.515	671.415	671.315	671.215
EXISTING LEVEL (m)		665.916	664.292	664.216	664.700	665.141	664.701	664.435	666.059	664.510	665.144	666.312	667.036	667.551	667.605	667.420	665.538	665.274	666.061	667.107	666.882	666.612	666.546	665.939	664.459	665.670	666.238	666.279	665.501	665.320	666.285	667.139	669.665	671.215
CHAINAGE (km)		0+000.00	0+010.00	0+020.00	0+030.00	0+040.00	0+050.00	0+060.00	0+070.00	0+080.00	0+090.00	0+100.00	0+110.00	0+120.00	0+130.00	0+140.00	0+150.00	0+160.00	0+170.00	0+180.00	0+190.00	0+200.00	0+210.00	0+220.00	0+230.00	0+240.00	0+250.00	0+260.00	0+270.00	0+280.00	0+290.00	0+300.00	0+310.00	0+320.00
HORIZONTAL ALIGNMENT	RIGHT																																	
	LEFT																																	

CHAINAGE : 0+000.00 - 0+320.00

IP.No	CO-ORDINATES(m)		WCB (D-M-S)	DIST (m)	DEF. ANG (D-M-S)	TAN. LEN. (m)	SIMPLE CURVE DATA			CHAINAGE			
	EASTING	NORTHING					R (m)	E (m)	LC (m)	BC	MC	EC	IP
1	568051.500	3113450.500	144-02-22	0.000	00-00-00	0.000	0.000	0.000	0.000	0+000.00	0+000.00	0+000.00	0+000.00
2	568060.750	3113437.750	53-44-35	15.752	90-17-53	15.078	15.000	6.269	23.640	0+000.67	0+012.49	0+024.31	0+015.75
3	568120.062	3113481.250	67-03-40	73.554	13-18-55	23.345	200.000	1.358	46.480	0+059.44	0+082.68	0+105.92	0+082.79
4	568175.788	3113504.834	158-49-55	60.511	91-46-14	15.471	15.000	6.549	24.026	0+127.62	0+139.64	0+151.65	0+143.09
5	568235.938	3113349.500	76-26-17	166.573	82-23-28	13.130	15.000	4.934	21.570	0+289.62	0+300.41	0+311.19	0+302.75
6	568257.263	3113354.644	00-00-00	21.937	00-00-00	0.000	0.000	0.000	0.000	0+320.00	0+320.00	0+320.00	0+320.00

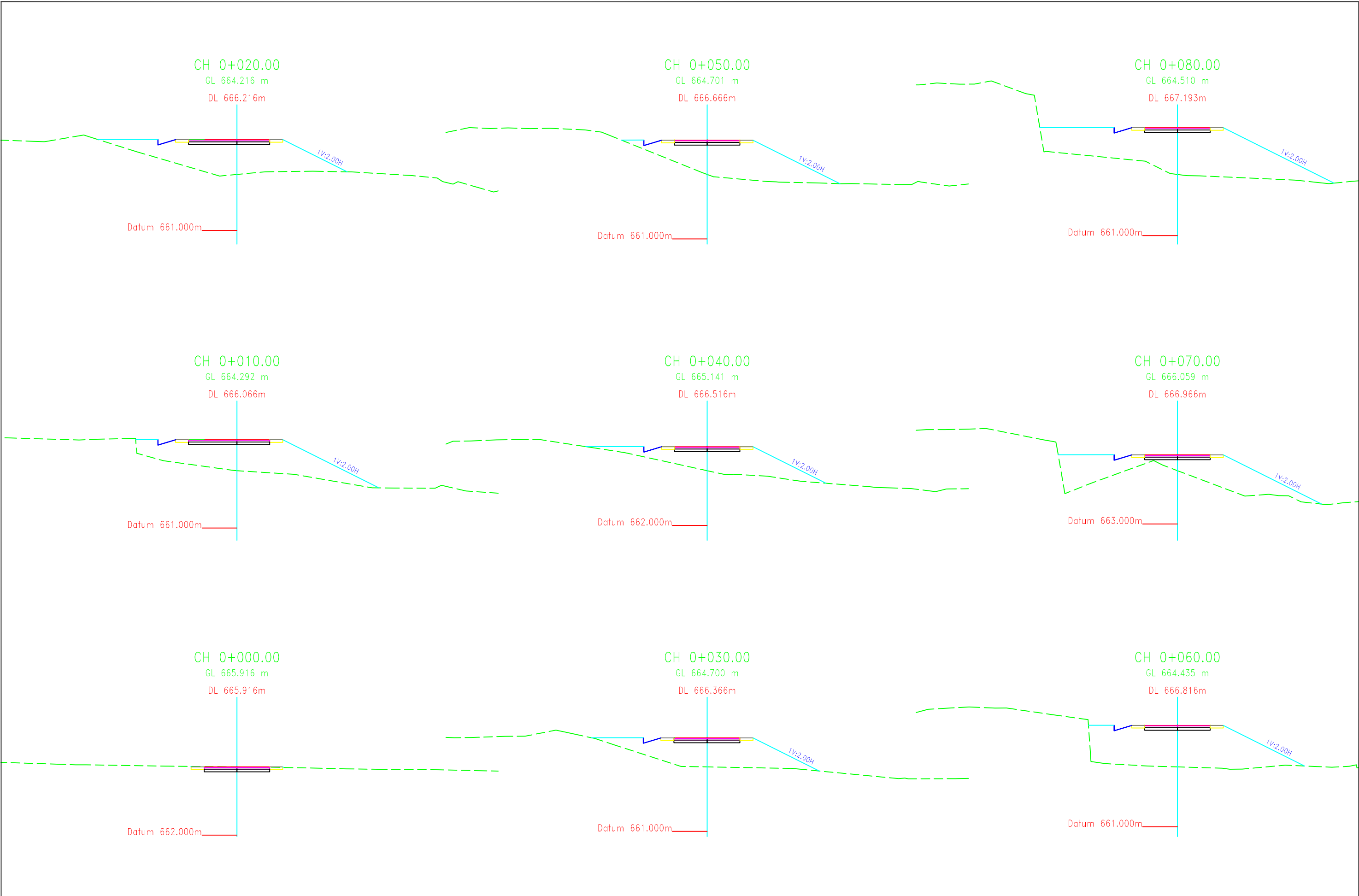
THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:
THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK ROAD,
GORKHA DISTRICT

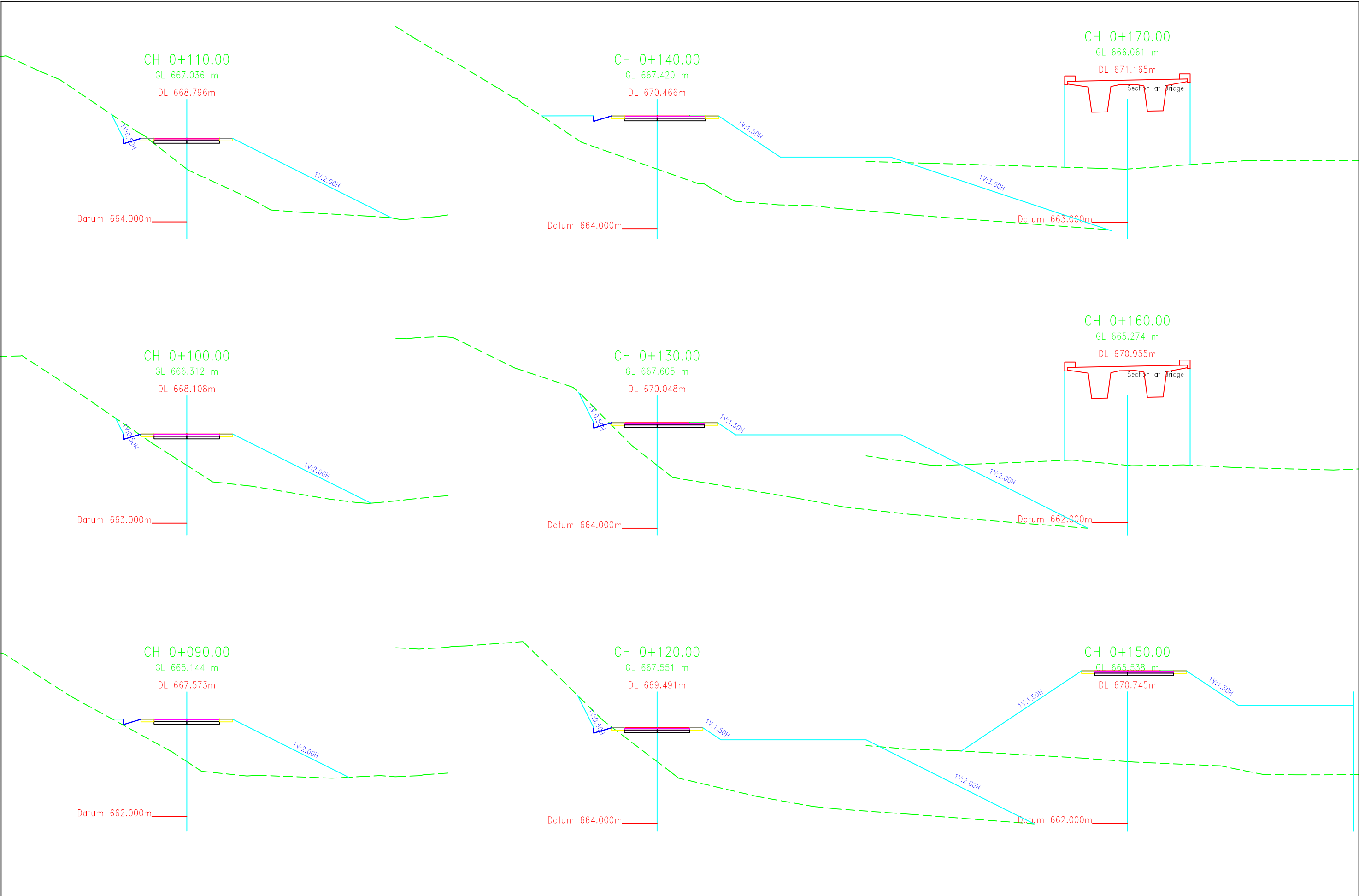
SCALE
H 1:1000
V 1:500
DEC. 2015

PROFILE OF DARAUDI
KHOLA BRIDGE

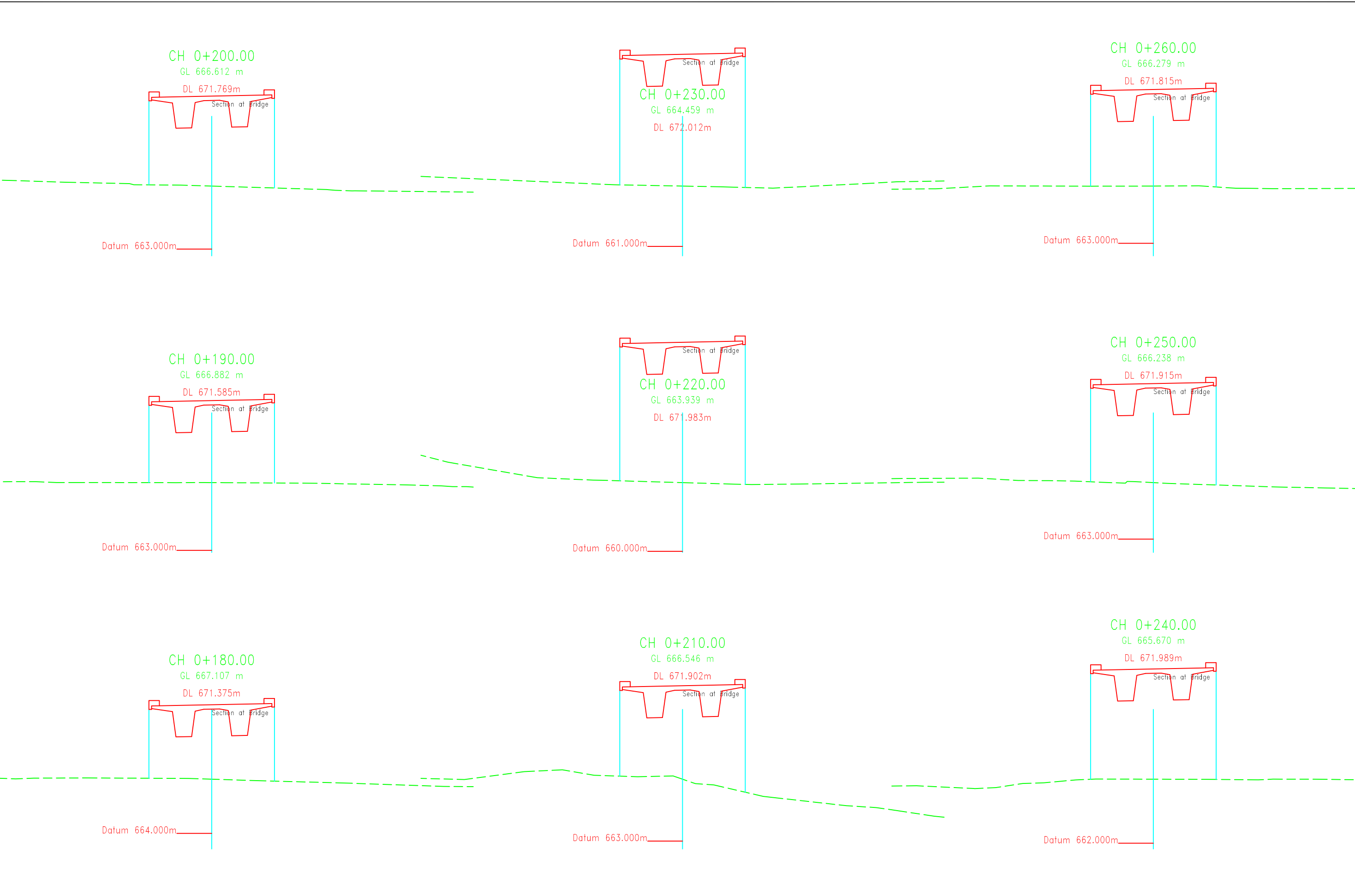
DWG. NO.
D-19
SHEET. NO.
24



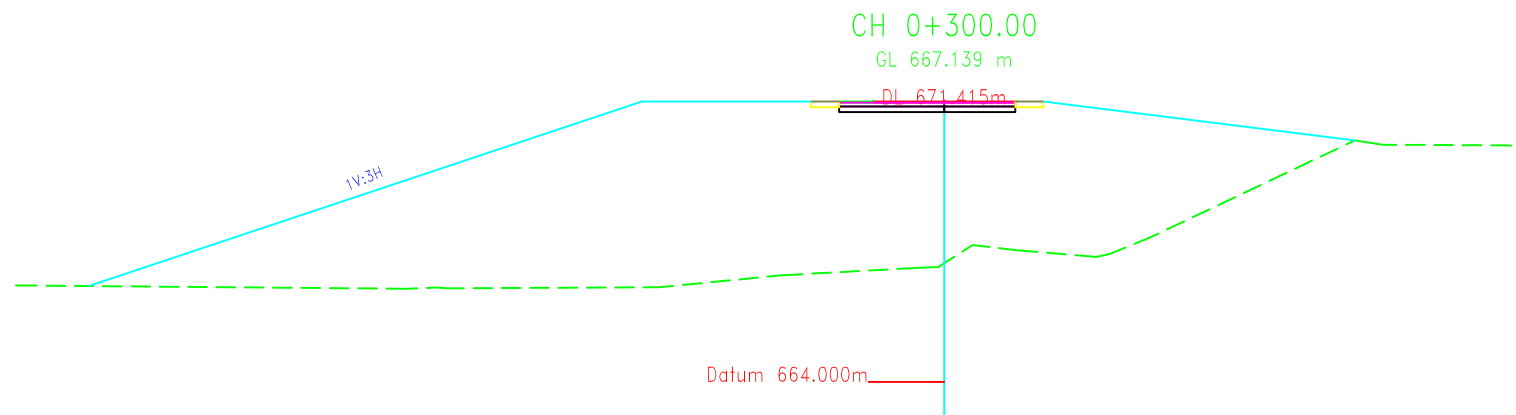
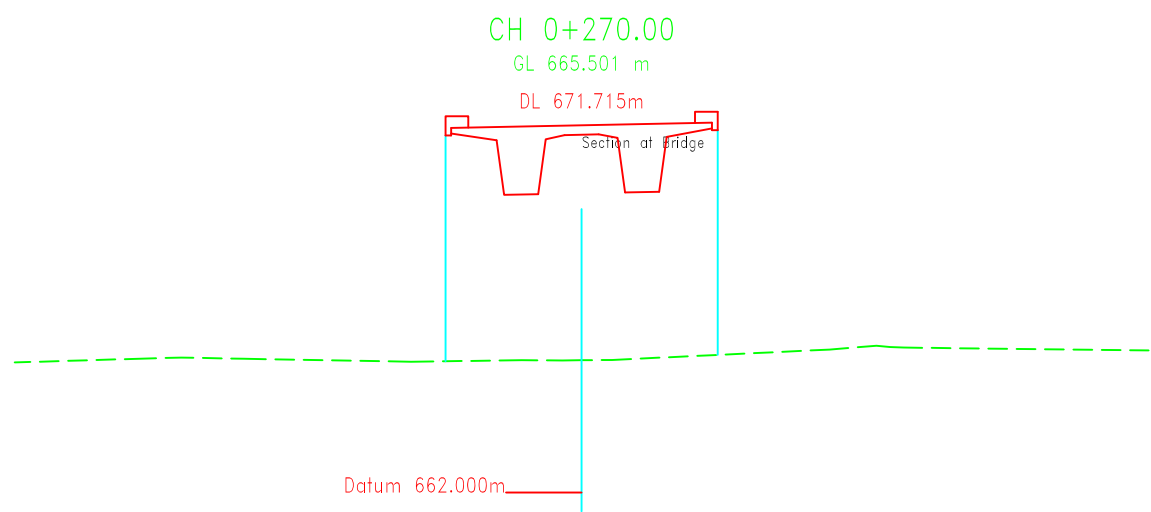
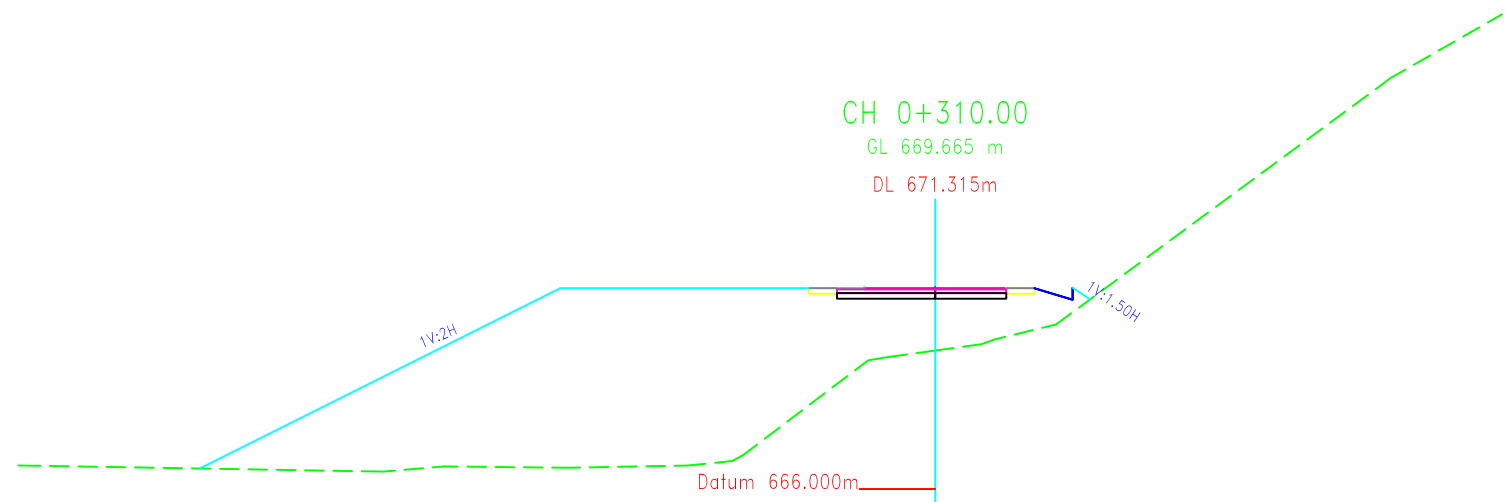
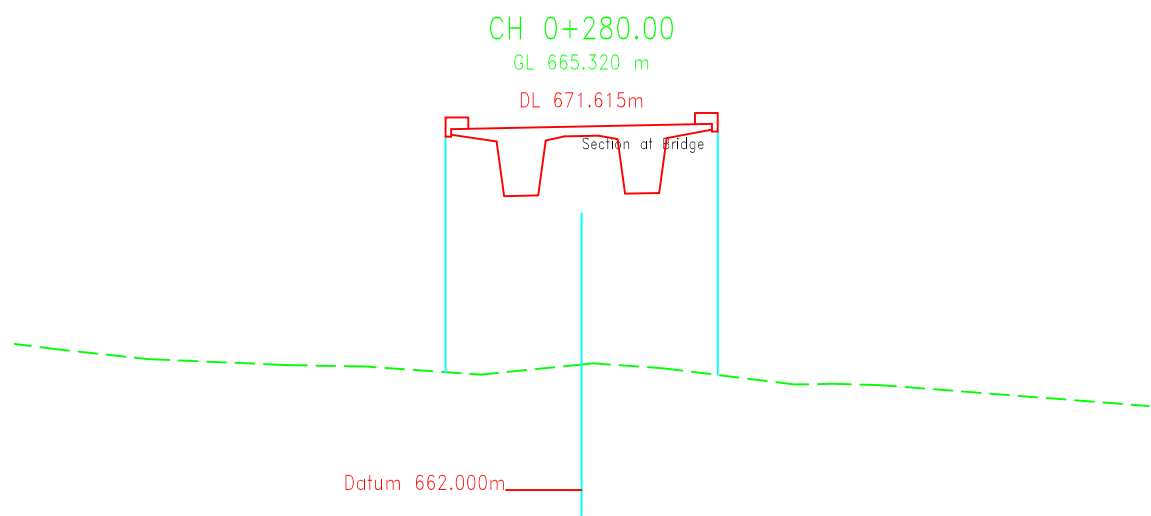
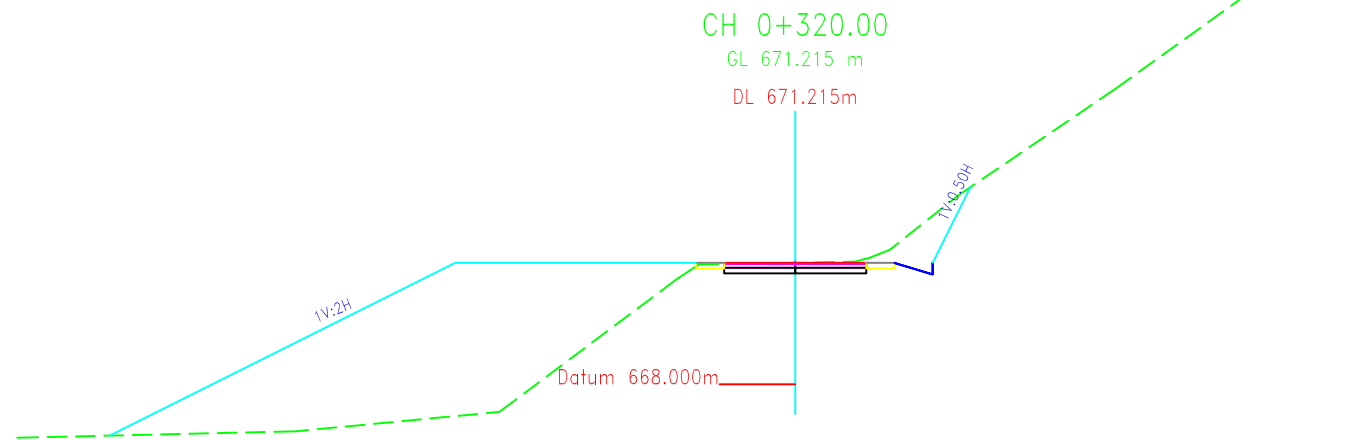
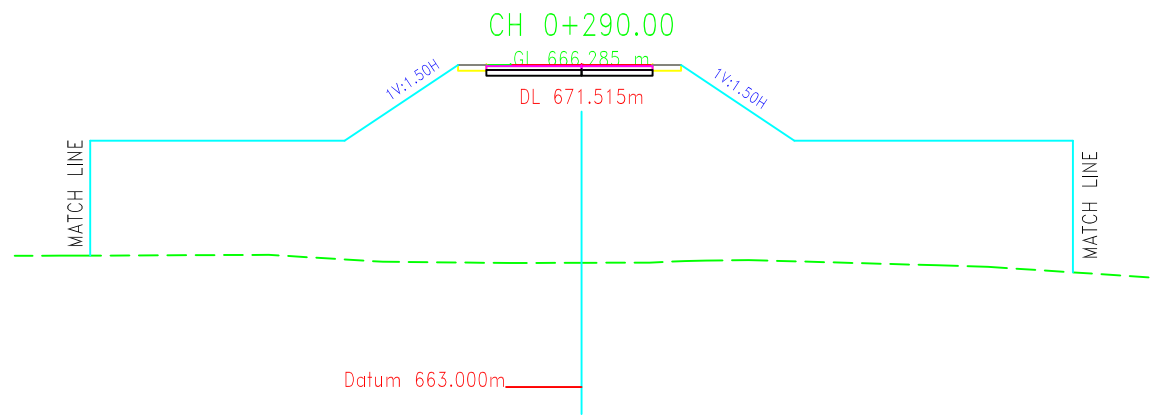
THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE 1:200	CROSS SECTIONS OF DARAUDI KHOLA BRIDGE (MAIN DARAUDI KHOLA BRIDGE)	DWG. NO. D-20
			DEC. 2015		SHEET. NO. 25



THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE 1:200	CROSS SECTIONS OF DARAUDI KHOLA BRIDGE (MAIN DARAUDI KHOLA BRIDGE)	DWG. NO. D-20
			DEC. 2015		SHEET. NO. 26



THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT: THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION OF BRIDGES ON BARHAKILO-BARPAK ROAD, GORKHA DISTRICT	SCALE 1:200	CROSS SECTIONS OF DARAUDI KHOLA BRIDGE (MAIN DARAUDI KHOLA BRIDGE)	DWG. NO. D-20
			DEC. 2015		SHEET. NO. 27



THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT:

THE SUB-PROJECT FOR REHABILITATION OF CONSTRUCTION
OF BRIDGES ON BARHAKILO-BARPAK ROAD,
GORKHA DISTRICT

SCALE
1:200

DEC. 2015

CROSS SECTIONS OF
DARAUDI KHOLA BRIDGE
(MAIN DARAUDI KHOLA BRIDGE)

DWG. NO.
D-20
SHEET. NO.
28

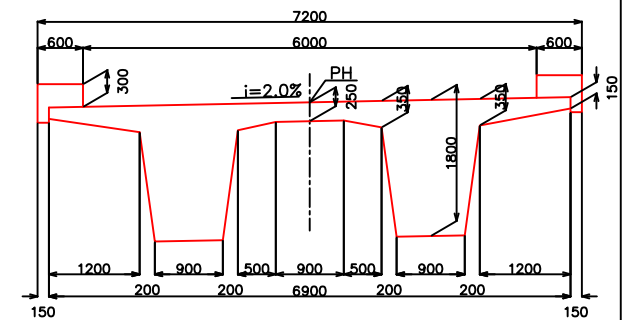
SIDE VIEW S=1:500



~~S=1:500~~



S=1:100



THE PROJECT

SUB PROJECT
CONSTRUCTION OF BRIDGES ALONG BARHAH KILO - BARPAK ROAD

H:1/100

GENERAL VIEW OF DARALIDI

D-21

D-21
SHEET NO

29

添付資料 3.

The Project on Rehabilitation and Recovery from Nepal Earthquake in the Federal Democratic Republic of NEPAL

The Subproject for Rehabilitation of Water Transmission System in Chautara

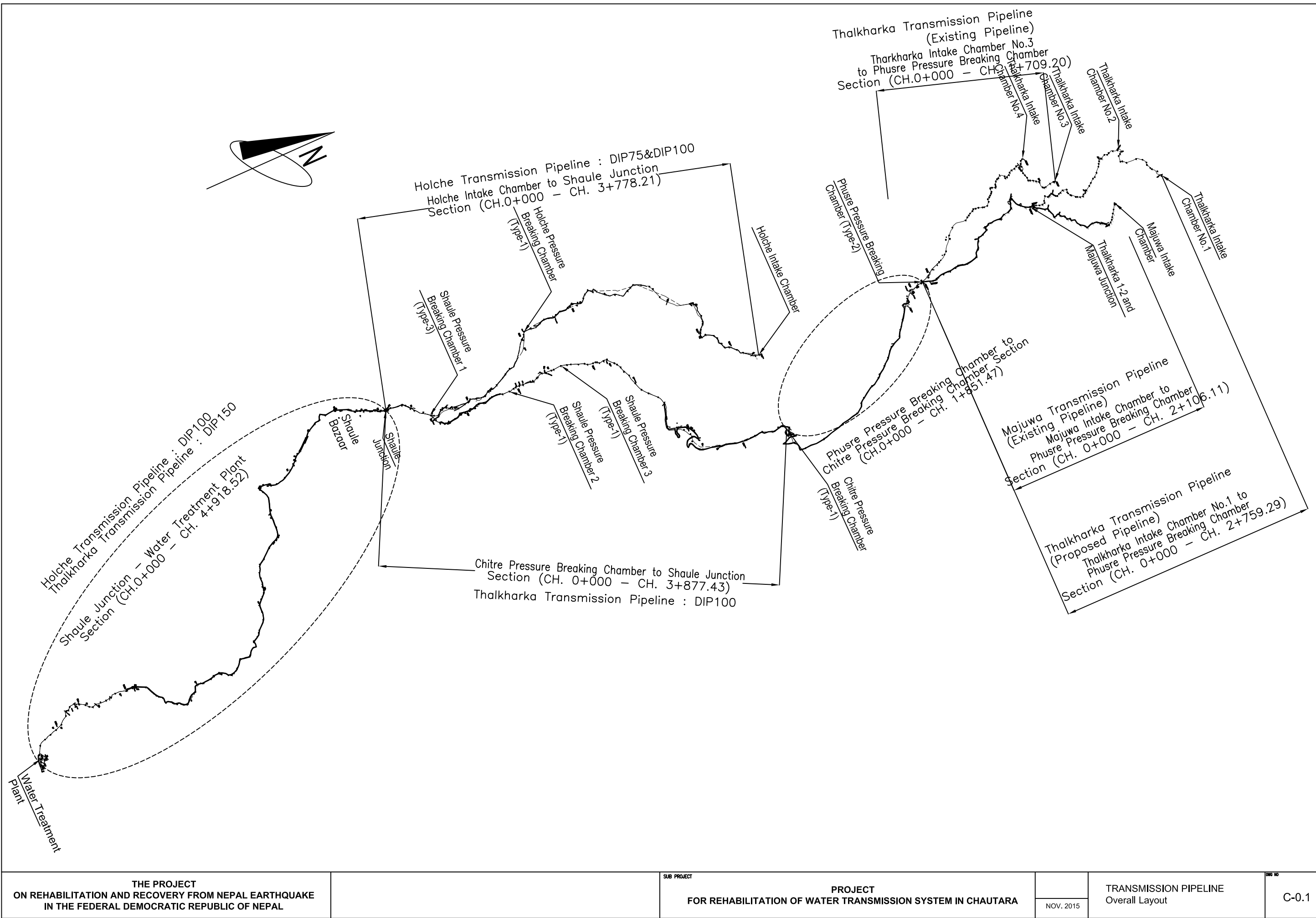
DRAWINGS

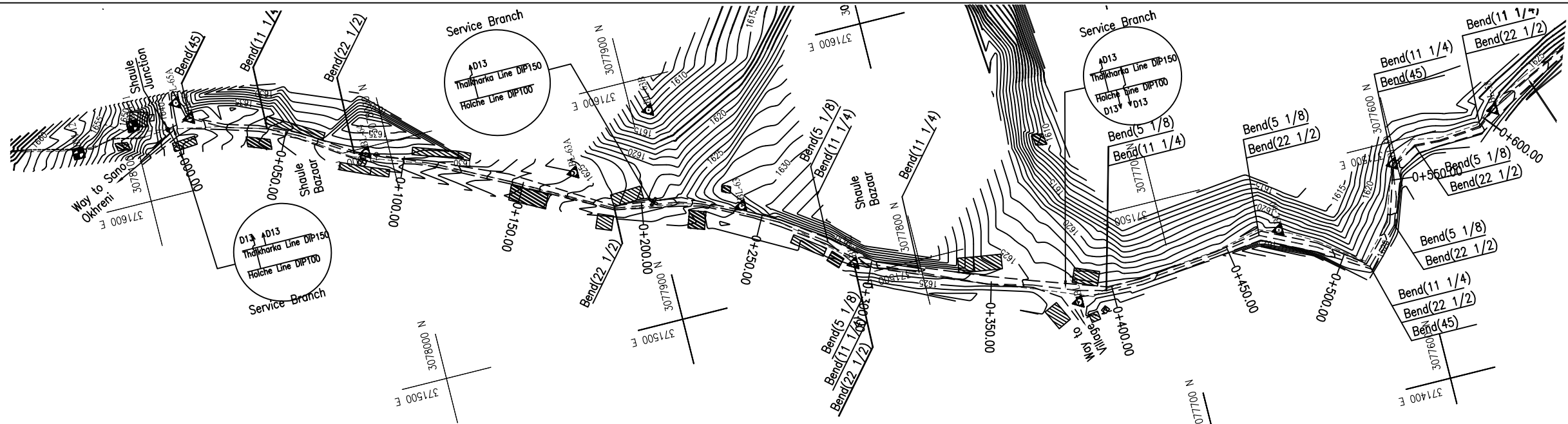
December, 2015

Drawing List

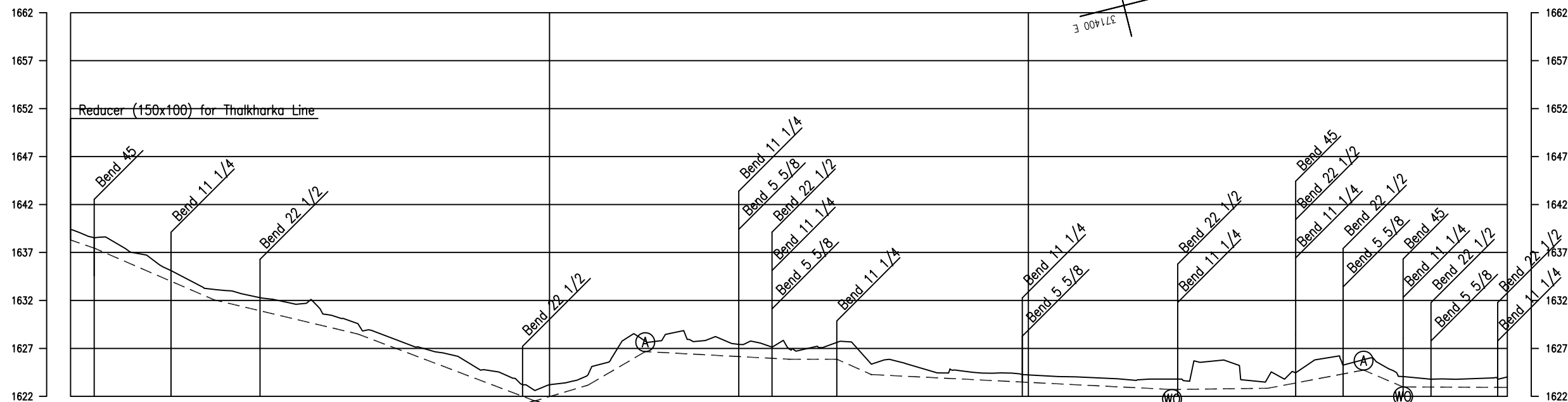
No	Drawing Title	Drawing No	Remarks
0	Transmission Pipeline : Overall Layout	C-0.1	
1	Transmission Pipeline : Shaule - Water Treatment Plant (1/9)	C-1.1	
2	Transmission Pipeline : Shaule - Water Treatment Plant (2/9)	C-1.2	
3	Transmission Pipeline : Shaule - Water Treatment Plant (3/9)	C-1.3	
4	Transmission Pipeline : Shaule - Water Treatment Plant (4/9)	C-1.4	
5	Transmission Pipeline : Shaule - Water Treatment Plant (5/9)	C-1.5	
6	Transmission Pipeline : Shaule - Water Treatment Plant (6/9)	C-1.6	
7	Transmission Pipeline: Shaule - Water Treatment Plant (7/9)	C-1.7	
8	Transmission Pipeline : Shaule - Water Treatment Plant (8/9)	C-1.8	
9	Transmission Pipeline : Shaule - Water Treatment Plant (9/9)	C-1.9	
10	Transmission Pipeline : Holche Intake Chamber – Shaule (1/7)	C-2.1	
11	Transmission Pipeline : Holche Intake Chamber – Shaule (2/7)	C-2.2	
12	Transmission Pipeline : Holche Intake Chamber – Shaule (3/7)	C-2.3	
13	Transmission Pipeline : Holche Intake Chamber – Shaule (4/7)	C-2.4	
14	Transmission Pipeline : Holche Intake Chamber – Shaule (5/7)	C-2.5	
15	Transmission Pipeline : Holche Intake Chamber – Shaule (6/7)	C-2.6	
16	Transmission Pipeline : Holche Intake Chamber – Shaule (7/7)	C-2.7	
17	Transmission Pipeline : Chitre Chamber - Shaule (1/7)	C-3.1	
18	Transmission Pipeline : Chitre Chamber - Shaule (2/7)	C-3.2	
19	Transmission Pipeline : Chitre Chamber - Shaule (3/7)	C-3.3	
20	Transmission Pipeline : Chitre Chamber - Shaule (4/7)	C-3.4	
21	Transmission Pipeline : Chitre Chamber - Shaule (5/7)	C-3.5	
22	Transmission Pipeline : Chitre Chamber - Shaule (6/7)	C-3.6	
23	Transmission Pipeline : Chitre Chamber - Shaule (7/7)	C-3.7	
24	Transmission Pipeline : Phusre Chamber – Chitre Chamber (1/3)	C-4.1	
25	Transmission Pipeline : Phusre Chamber – Chitre Chamber (2/3)	C-4.2	
26	Transmission Pipeline : Phusre Chamber – Chitre Chamber (3/3)	C-4.3	
27	Pressure Breaking Chamber (Type-1)	C-8.1	
28	Pressure Breaking Chamber (Type-2)	C-8.2	
29	Pressure Breaking Chamber (Type-3)	C-8.3	
30	Holche Intake Chamber	C-9.1	

[illegible]





LEGENDS:	
EXISTING ROAD	
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	
PROPOSED PIPELINE	
WALKING TRACK	
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



GROUND LEVEL (m)	1639.389	1638.538	1637.834	1635.339	1633.143	1632.249	1632.134	1632.016	1629.582	1627.522	1626.273	1624.410	1622.607	1623.200	1624.250	1625.266	1627.746	1627.711	1627.407	1626.956	1627.621	1625.800	1624.586	1624.442	1624.236	1624.030	1623.777	1623.797	1625.749	1623.929	1625.812	1625.826	1623.979	1623.791	1624.023			
ACCUMULATED DIST. (km)	0+000.00	0+009.89	0+020.00	0+040.00	0+060.00	0+080.00	0+084.12	0+100.00	0+120.00	0+140.00	0+160.00	0+169.06	0+180.00	0+200.00	0+206.50	0+220.00	0+240.00	0+260.00	0+280.00	0+292.95	0+300.00	0+320.00	0+340.00	0+360.00	0+380.00	0+386.30	0+400.00	0+420.00	0+440.00	0+460.00	0+471.75	0+480.00	0+500.00	0+520.00	0+540.00	0+558.48	0+580.00	0+600.00
PARTIAL DIST. (km)	0.000	7.851	2.238			74.232					84.941			37.440			34.500		51.948					93.349					85.455				84.729					
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1638.304	1637.453			1632.058	1631.049	DIP150		1628.497				1621.522		1623.165		1626.661	DIP150		1625.871		1626.536	1624.273					1622.712			1622.844	DIP150	1624.741	1622.894		1622.894		
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1638.833	1637.479			1632.084	1631.075	DIP100		1628.523				1621.548		1623.191		1626.687	DIP100		1625.897		1626.562	1624.299					1622.738			1622.870	DIP100	1624.767	1622.920		1622.920		
STATION NO. (MEASURED CONTROL POINT	Shaule Junction BL-65A	BL-65				BL-64					BL-63A	Washout	BL-63B		BL-63 Air Valve		BL-62						BL-61			Washout	BL-60				Air Valve	BL-59 Washout						

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT

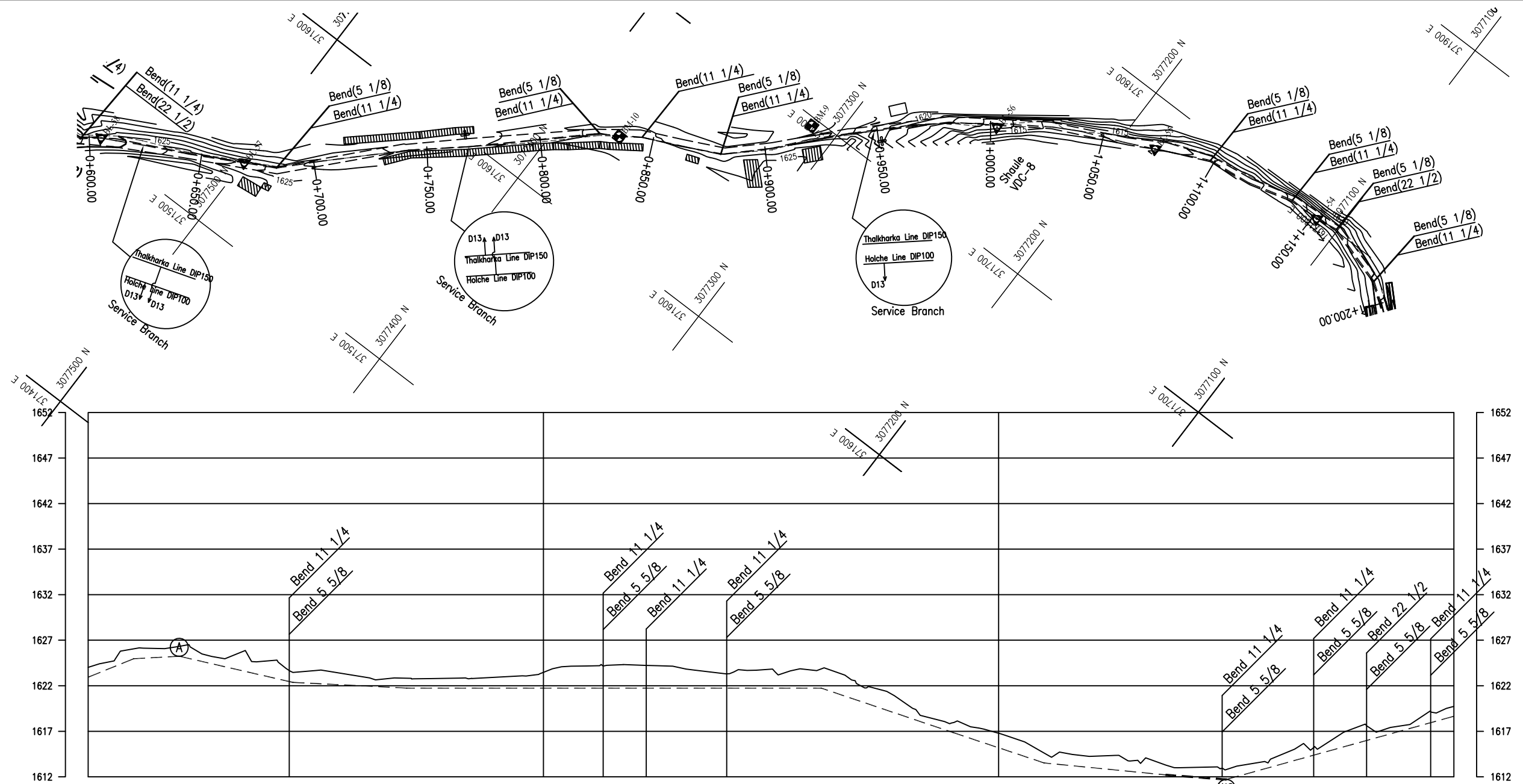
PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

H 1:2000
V 1:500
NOV. 2015

TRANSMISSION PIPELINE
Shaule - Water Treatment Plant (1/9)

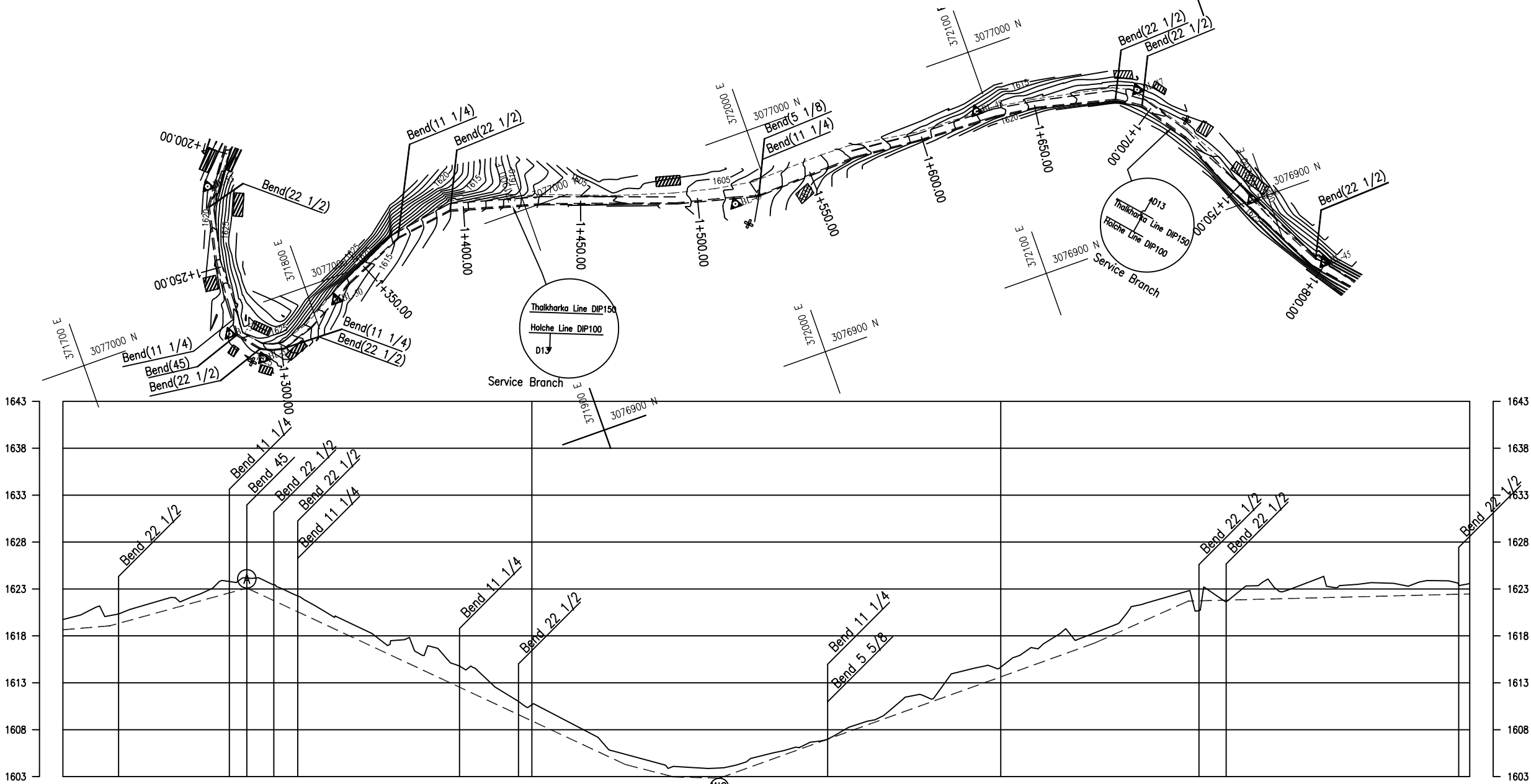
DWG NO

C-1.1



THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT PROJECT FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA	H 1:2000 V 1:500	TRANSMISSION PIPELINE Shaule - Water Treatment Plant (2/9)	DWG NO C-1.2
			NOV. 2015		

LEGENDS:	
EXISTING ROAD	
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	
PROPOSED PIPELINE	
WALKING TRACK	
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



GROUND LEVEL (m)	1619.736	1620.157	1621.650	1622.632	1624.135	1622.285	1619.656	1617.487	1616.636	1613.566	1610.660	1608.266	1605.367	1604.058	1603.917	1605.348	1606.701	1608.653	1611.504	1614.020	1614.673	1617.423	1618.319	1621.332	1622.792	1622.396	1622.690	1623.245	1623.663	1623.812	1623.556	
CHAINAGE (km)	1+200.00	1+215.60 1+220.00	1+240.00	1+260.00	1+278.45 1+280.00	1+292.55 1+300.00	1+320.00	1+331.60 1+340.00	1+360.00	1+380.00	1+400.00	1+420.00	1+440.00	1+460.00	1+480.00	1+500.00	1+515.95 1+520.00	1+540.00	1+560.00	1+580.00	1+600.00	1+620.00 1+625.56	1+640.00	1+660.00	1+680.00	1+692.65 1+700.00	1+720.00	1+740.00	1+758.04 1+768.00	1+778.32 1+800.00	1+780.00	1+799.32 1+800.00
PARTIAL DIST. (km)		63.795			62.846	14.106		39.047								184.348				109.615			67.085		65.395			41.28				
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1618.651	1619.072			1623.050	DIP150			1604.282	1602.973 DIP150	1602.826		1605.238			1602.826	1605.238			1617.234	1621.707		DIP150							1622.471		
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1618.677	1619.098			1623.076	DIP100			1604.308	1602.999 DIP100	1602.852		1605.264			1602.852	1605.264			1617.260	1621.733		DIP100							1622.497		
STATION NO. (MEASURED CONTROL POINT)		BL-53			BL-52 Air Valve	BL-51		BL-50									BL-49				BL-48			BL-47			BL-46			BL-45		

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT

PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

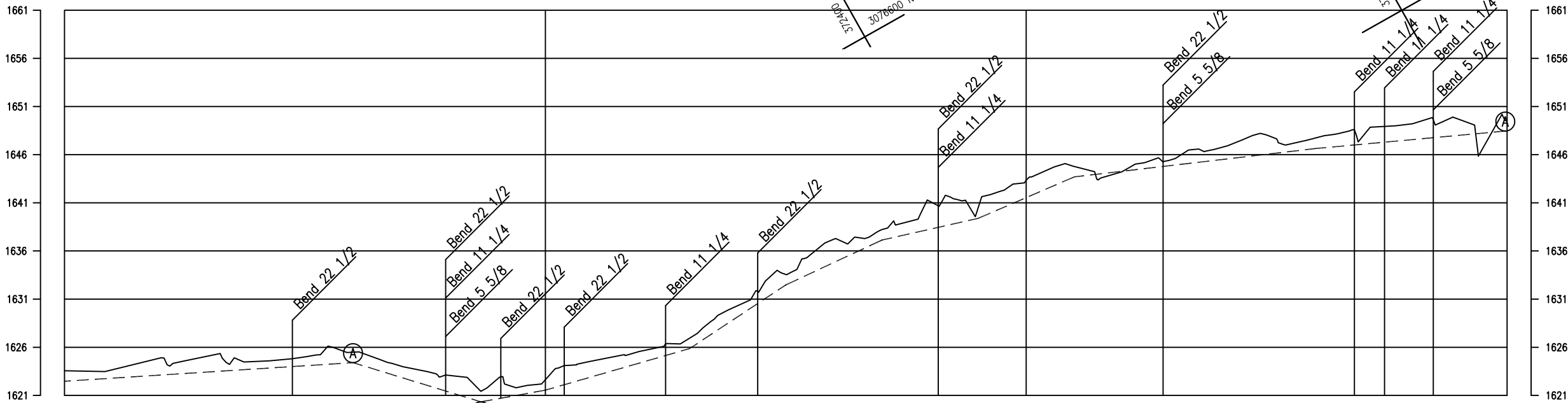
H 1:2000
V 1:500
NOV. 2015

TRANSMISSION PIPELINE
Shaule - Water Treatment Plant (3/9)

C-1.3

LEGENDS:

EXISTING ROAD	
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	
PROPOSED PIPELINE	
WALKING TRACK	
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



GROUND LEVEL (m)	1623.556	1623.671	1624.892	1625.106	1624.527	1625.005	1625.488	1624.043	1623.080	1621.419	1622.685	1622.630	1624.606	1625.609	1626.947	1630.321	1633.556	1637.218	1638.219	1641.149	1640.468	1643.360	1644.779	1644.258	1645.452	1646.664	1648.042	1647.711	1647.910	1649.186	1649.667	1649.550	
CHAINAGE (km)	1+800.00	1+816.59 1+820.00	1+840.00	1+860.00	1+880.00	1+894.78 1+900.00	1+920.00	1+940.00 1+944.30	1+960.00	1+980.00	2+000.00	2+007.85	2+020.00	2+040.00	2+060.00	2+080.00	2+100.00	2+120.00 2+126.66	2+140.00	2+160.00 2+166.37	2+180.00	2+200.00	2+217.22 2+220.00	2+240.00	2+260.00 2+264.68	2+280.00	2+300.00	2+316.88 2+320.00	2+340.00	2+360.00	2+377.51 2+380.00	2+400.00	
PARTIAL DIST. (km)		17.268				78.187		49.522				63.548						109.77		48.754			50.845		47.458		52.188			60.843			
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1622.471					DIP150	1624.403			1620.334		1621.545		1625.862	DIP150	1632.471			1637.134		1639.383		1643.694				DIP	1646.626				1648.465	
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1622.497					DIP100	1624.429			1620.360		1621.571		1625.888	DIP100	1632.497			1637.160		1639.409		1643.720				DIP	1646.652				1648.491	
STATION NO. (MEASURED CONTROL POINTP		BL-45				BL-44	Air Valve		BL-43	Washout		BL-42						BL-41			BL-40		BM-8			BM-7			BL-39			BL-38	Air Valve

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT

PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

H 1:2000
V 1:500
NOV. 2015

TRANSMISSION PIPELINE
Shaule - Water Treatment Plant (4/9)

C-1.4

LEGENDS:

EXISTING ROAD

BENCH MARK

BASELINE

ELECTRIC POLE

WATER TAP

HOUSE

EXISTING PIPELINE

PROPOSED PIPELINE

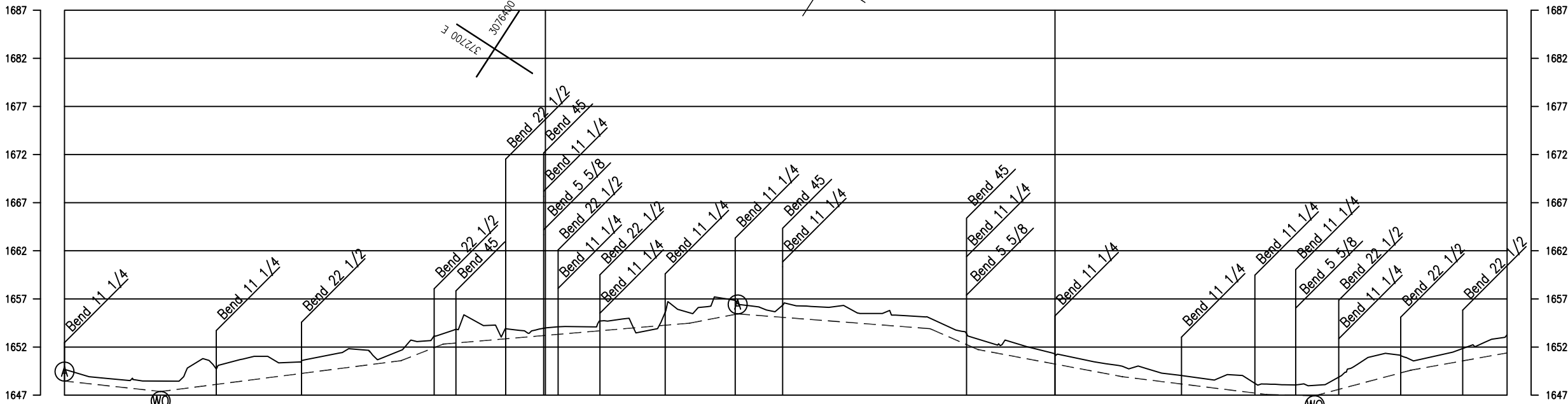
WALKING TRACK

MAJOR CONTOUR

MINOR CONTOUR

AIR VALVE

WASHOUT VALVE



GROUND LEVEL (m)	1649.550	1648.682	1648.462	1650.615	1651.032	1650.668	1651.790	1651.667	1653.602	1653.897	1653.975	1654.094	1653.585	1655.563	1656.530	1656.548	1656.189	1655.491	1654.991	1652.817	1652.054	1650.896	1650.000		1649.177	1648.758	1648.150	1648.020	1650.562	1650.678	1651.702	1653.280			
CHAINAGE (km)	2+400.00	2+420.00	2+440.00	2+460.00	2+480.00 2+483.37	2+500.00	2+520.00	2+540.00	2+557.45 2+560.00	2+580.00	2+600.00	2+620.00	2+640.00	2+660.00	2+680.00	2+688.93	2+700.00	2+720.00	2+740.00	2+760.00	2+768.97	2+780.00	2+800.00	2+820.00	2+840.00	2+846.59	2+860.00	2+880.00	2+900.00	2+907.42	2+920.00	2+940.00	2+960.00	2+980.00	3+000.00
PARTIAL DIST. (km)					105.861				74.085							131.476				80.04			77.616			60.837									
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1648.465		1647.377			DIP150		1650.582	1652.517					1654.478	DIP150	1655.445				1653.906		1651.732			1648.915		1647.085	DIP150	1646.935		1649.593		1651.403		
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1648.491		1647.407			DIP100		1650.608	1652.543					1654.504	DIP100	1655.471				1653.932		1651.758			1648.941		1647.091	DIP100	1646.961		1649.619		1651.429		
STATION NO. (MEASURED CONTROL POINT)	Air Valve		Washout		BL-37				BL-36						Air Valve	BL-35				BL-34			BL-33				BL-32 Washout								

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT

PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

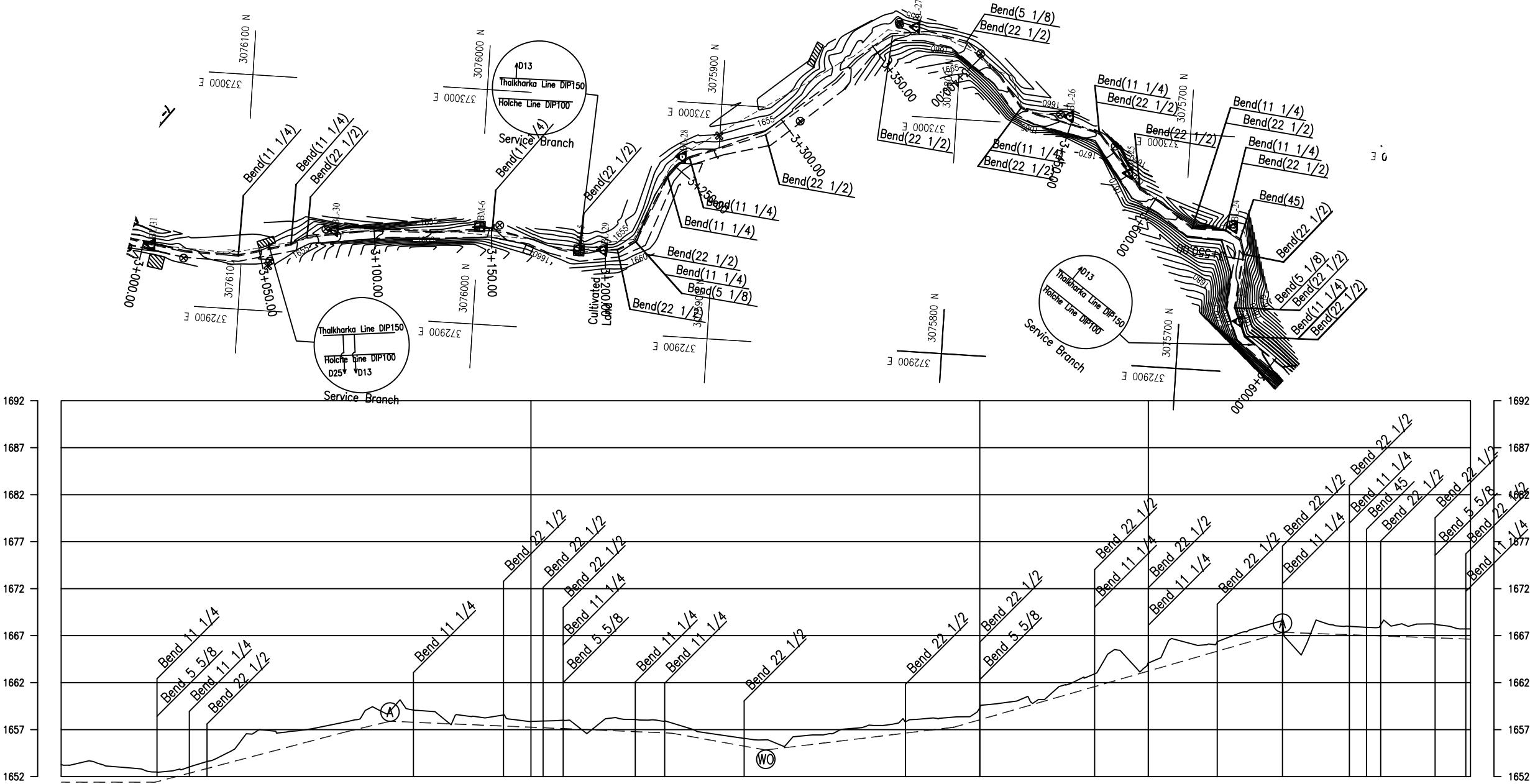
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NOV. 2015

TRANSMISSION PIPELINE
Shaule - Water Treatment Plant (5/9)

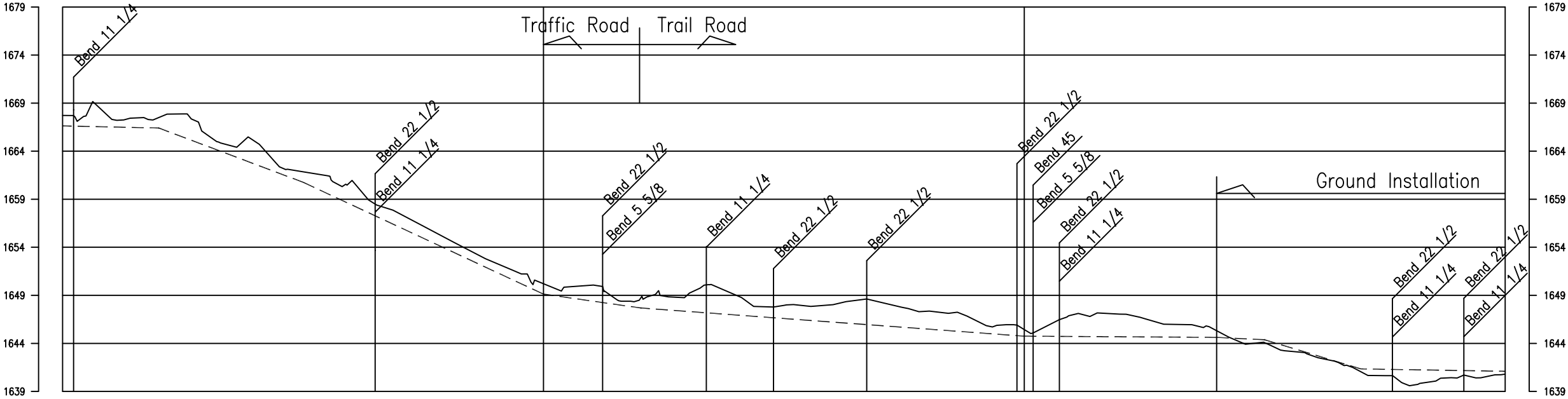
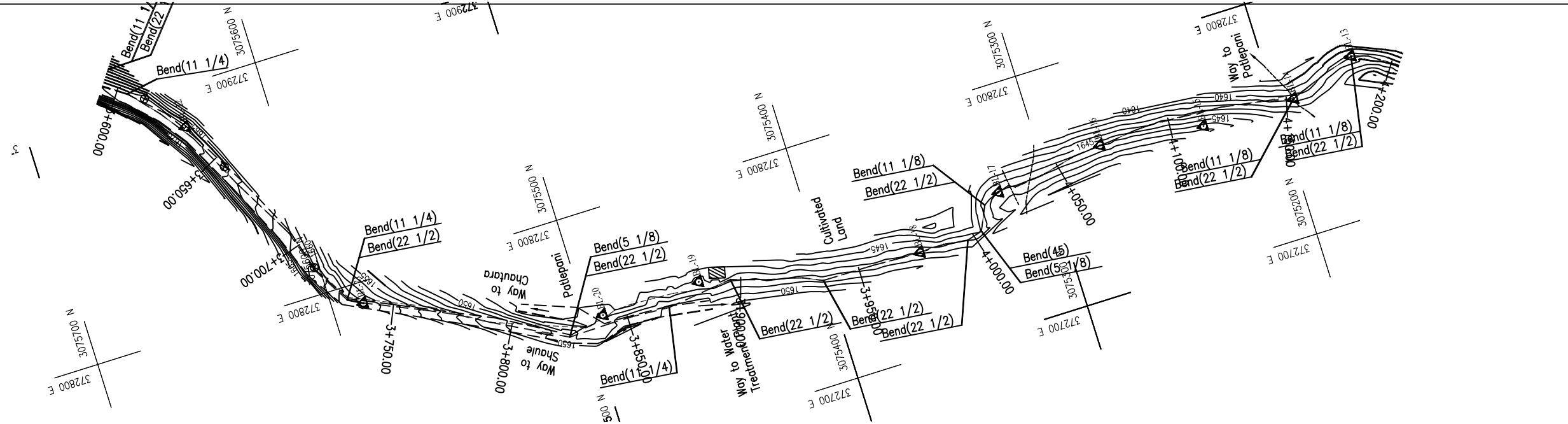
C-1.5

LEGENDS:	
EXISTING ROAD	
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	
PROPOSED PIPELINE	
WALKING TRACK	
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



GROUND LEVEL (m)	1653.280	1653.110	1652.488	1653.447	1656.540	1656.859	1657.766	1658.972	1658.735	1658.257	1657.868	1657.323	1658.095	1657.703	1656.453	1655.913	1656.435	1657.189	1657.895	1658.332	1659.809	1660.494	1662.937	1663.307	1666.218	1667.110	1668.433	1668.178	1667.849	1668.237	1667.713
CHAINAGE (km)	3+000.00	3+020.00	3+040.00	3+060.00	3+080.00	3+100.00	3+120.00	3+140.00	3+160.00	3+180.00	3+200.00	3+220.00	3+240.00	3+260.00	3+280.00	3+300.00	3+320.00	3+340.00	3+360.00	3+380.00	3+400.00	3+420.00	3+440.00	3+460.00	3+480.00	3+500.00	3+520.00	3+540.00	3+560.00	3+580.00	3+600.00
PARTIAL DIST. (km)	96.034				79.729					43.302	10.881			55.341					115.238			78.891		35.213				52.504		40.513	
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1651.403		1651.403			DIP150	1656.681			1657.887					1656.618	DIP150	1654.828			1657.247						DIP150	1667.348				1666.628
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1651.429		1651.429			DIP100	1656.707			1657.913					1656.644	DIP100	1654.854			1657.273						DIP100	1667.374				1666.654
STATION NO. (MEASURED CONTROL POINT	BL-31				BL-30			Air Valve BM-6		BM-5	BL-29			BL-28		Washout			BL-27			BL-26		BL-25		Air Valve	BL-24		BL-23		

LEGENDS:	
EXISTING ROAD	
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	
PROPOSED PIPELINE	
WALKING TRACK	
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



GROUND LEVEL (m)	1667.713	1667.416		1667.497	1665.724	1665.015	1661.853	1660.861	1657.522	1654.882	1652.374	1650.210	1650.054	1648.541	1649.069	1649.027	1647.957	1648.018	1648.287	1647.353	1646.367	1645.435	1646.968	1647.037	1645.987	1645.320	1644.073	1642.693	1641.046	1639.613	1640.394	1640.796					
CHAINAGE (km)	3+600.00	3+620.00	3+632.17	3+640.00	3+660.00	3+680.00	3+700.00	3+720.00	3+737.51	3+740.00	3+760.00	3+780.00	3+800.00	3+820.00	3+840.00	3+860.00	3+880.00	3+900.00	3+920.00	3+940.00	3+960.00	3+976.41	4+000.00	4+020.00	4+022.47	4+040.00	4+060.00	4+069.73	4+080.00	4+100.00	4+113.76	4+120.00	4+140.00	4+153.12	4+160.00	4+180.00	4+200.00
PARTIAL DIST. (km)			55.26						105.335						103.092		42.737				93.073		46.058		47.264		44.03	39.357		29.72							
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1666.628		1666.412				1660.768	DIP150				1649.125		1647.456	DIP150						1644.750					1644.635	1644.373	DIP150	1641.346						1641.096		
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1666.654		1666.438				1660.794	DIP100				1649.151		1647.482	DIP100						1644.776					1644.661	1644.373	DIP100	1641.346						1641.096		
STATION NO. (MEASURED CONTROL POINTP		BL-22							BL-21					BL-20		BL-19					BL-18		BL-17		BL-16			BL-15		BL-14		BL-13					

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT

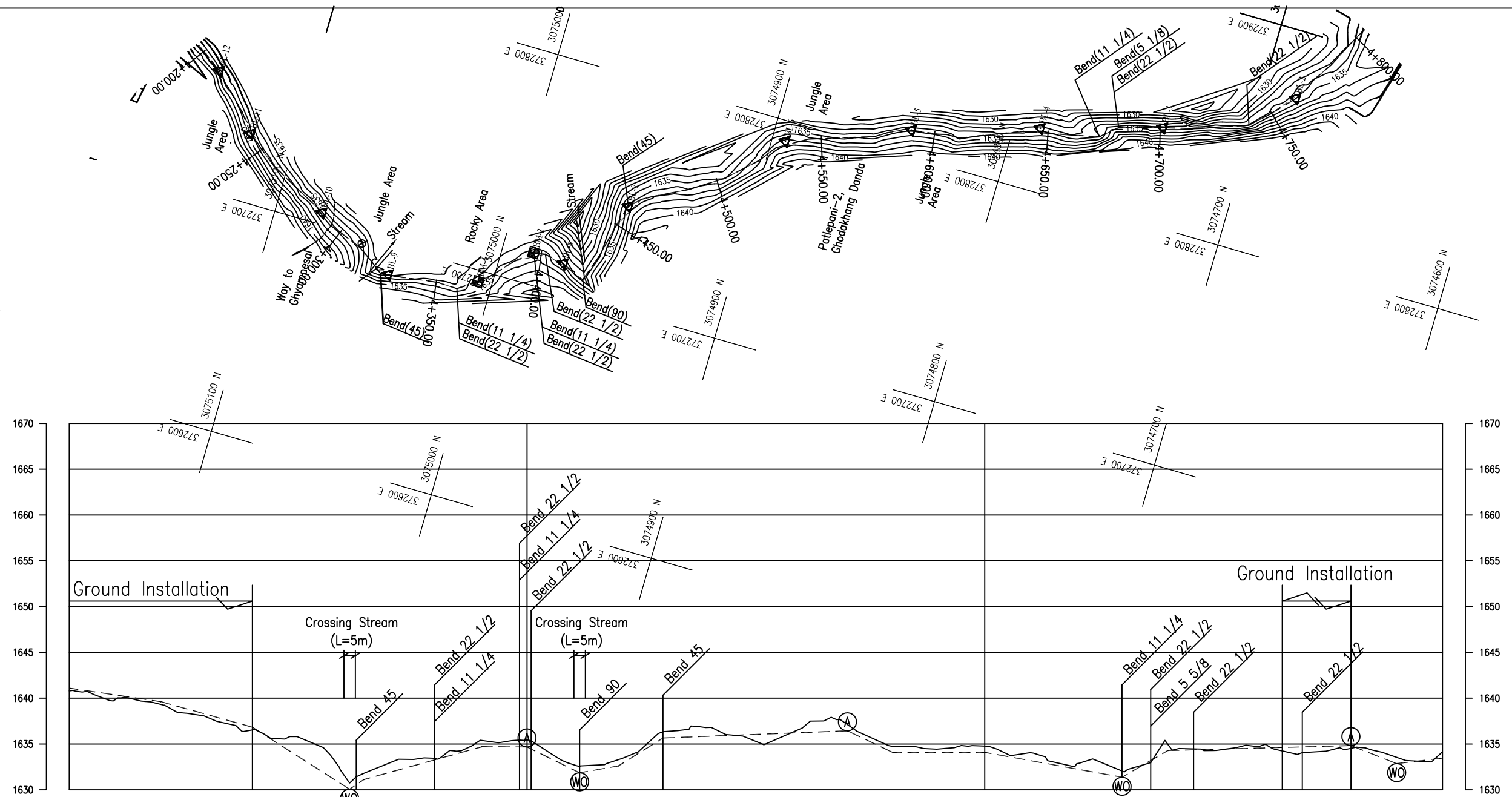
PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

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NOV. 2015

TRANSMISSION PIPELINE
Shaule - Water Treatment Plant (7/9)

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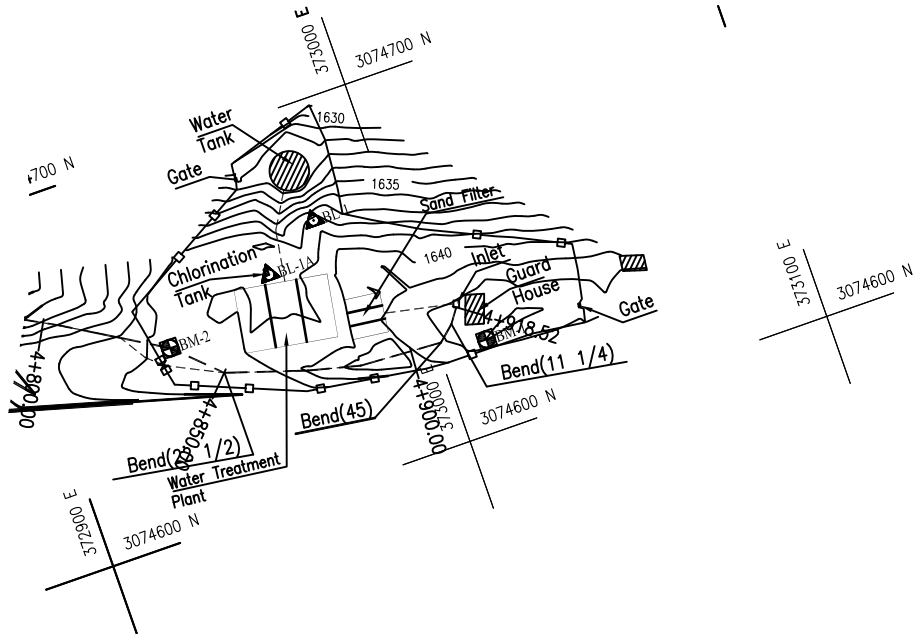
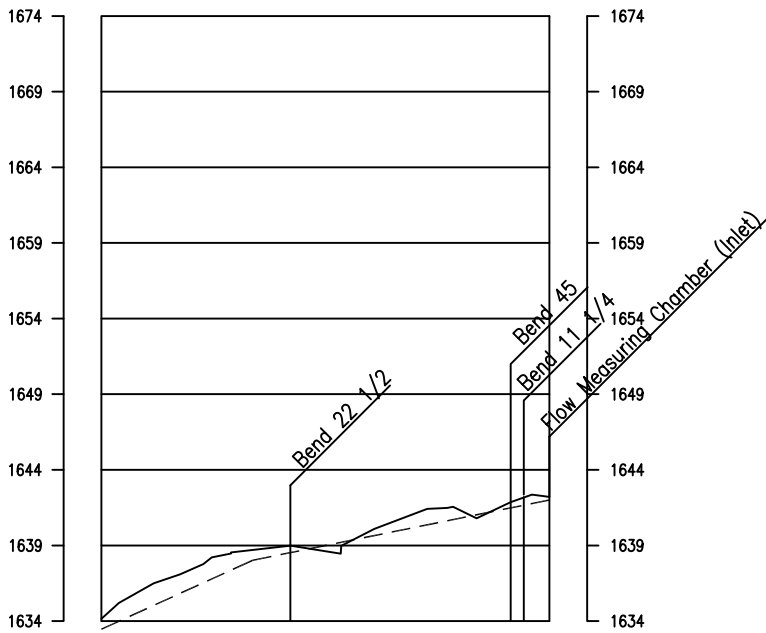
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THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT PROJECT FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA	H 1:2000 V 1:500	TRANSMISSION PIPELINE Shaule - Water Treatment Plant (8/9)	DWG NO C-1.8
			NOV. 2015		

LEGENDS:

EXISTING ROAD	
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	
PROPOSED PIPELINE	
WALKING TRACK	
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



GROUND LEVEL (m)	1634.144	1637.015	1638.703	1638.568	1640.835	1640.879	1642.203
CHAINAGE (km)	4+800.00	4+820.00	4+834.30	4+840.00	4+860.00	4+900.00	4+918.52
PARTIAL DIST. (km)		66.804	5.113		28.245	14.803	34.407
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1633.459		1638.018	DIP150		1641.661	1642.003
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1633.485		1638.044	DIP100		1641.661	1642.003
STATION NO. (MEASURED CONTROL POINTP		Fence	BM-2	BL-1A	BL-1	BM-1	Inlet

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT

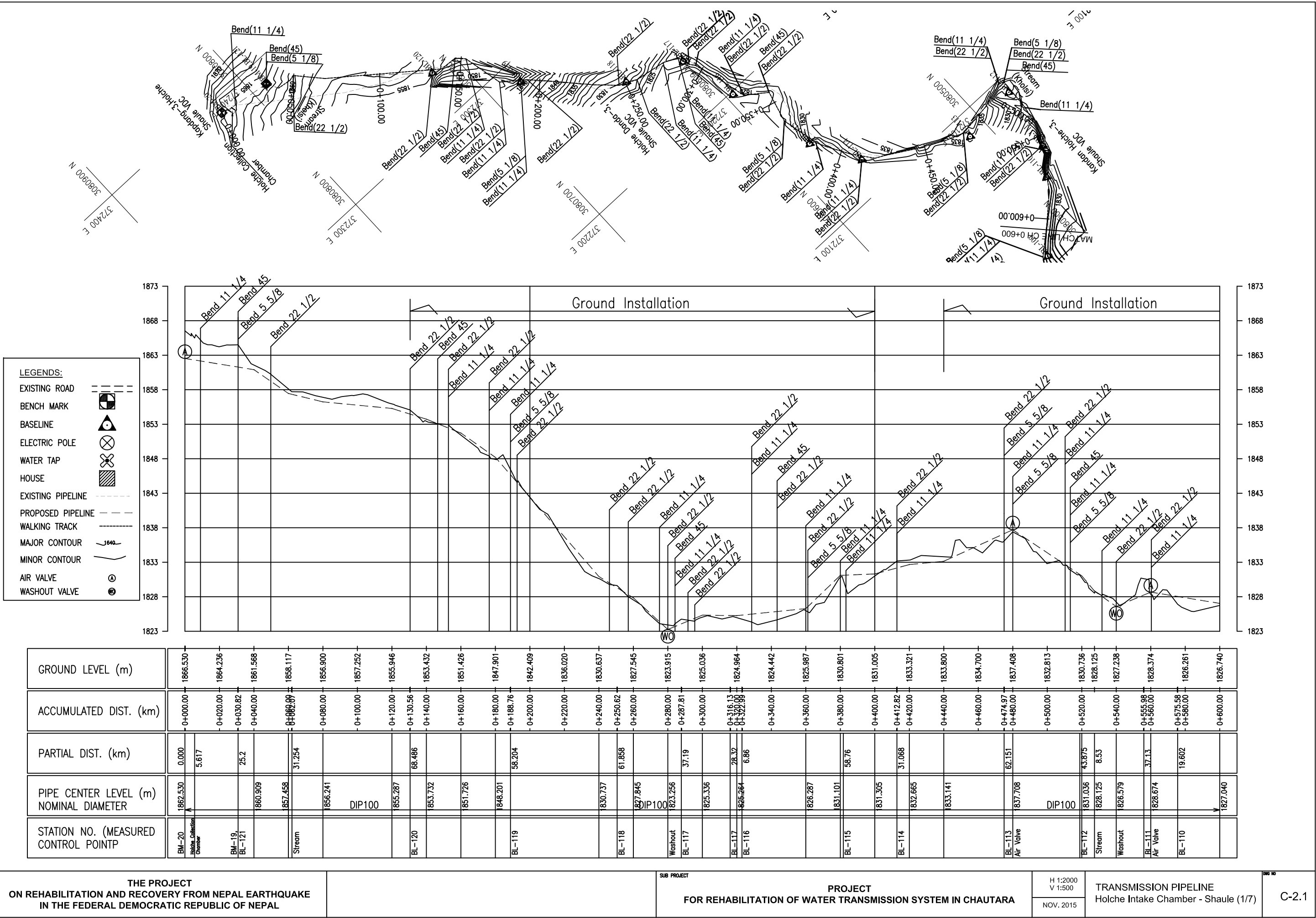
PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

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NOV. 2015

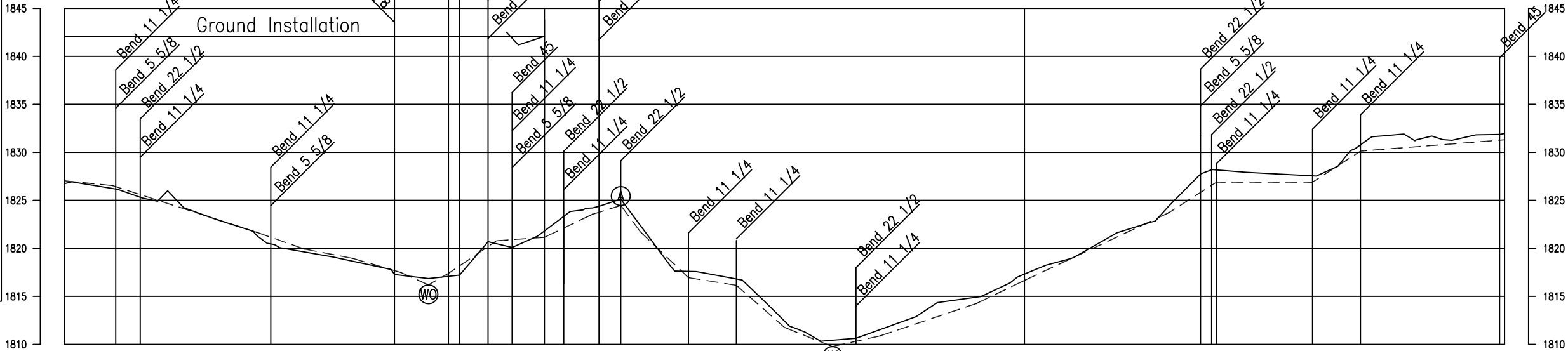
TRANSMISSION PIPELINE
Shaule - Water Treatment Plant (9/9)

DWG NO

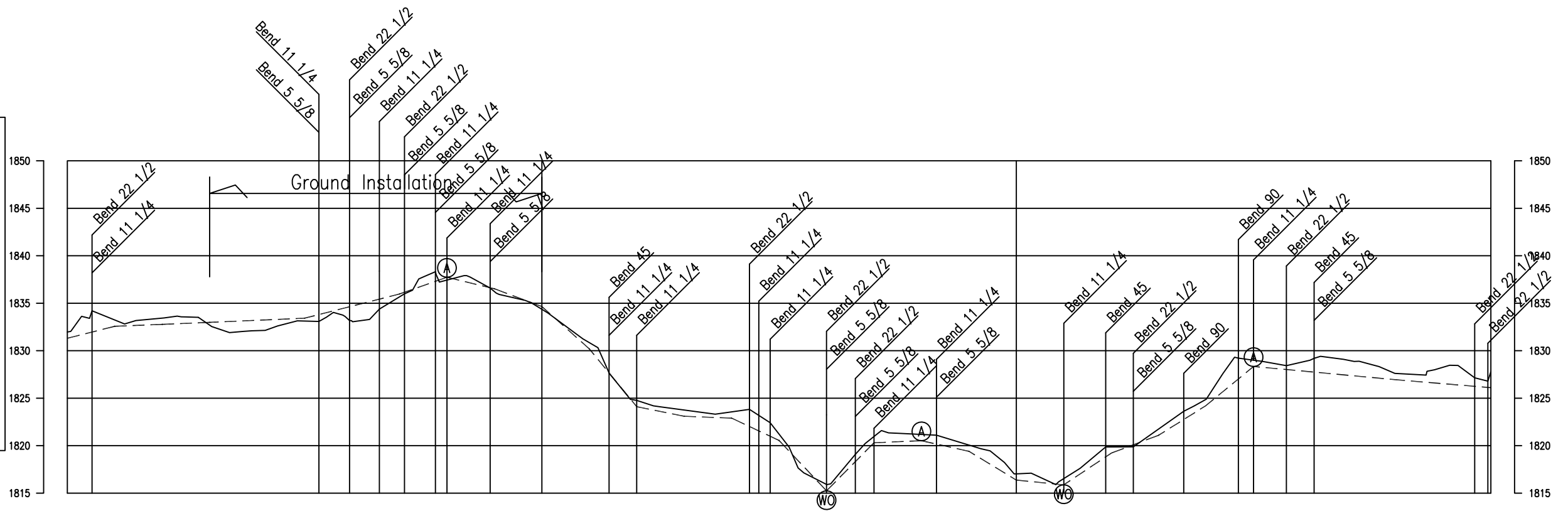
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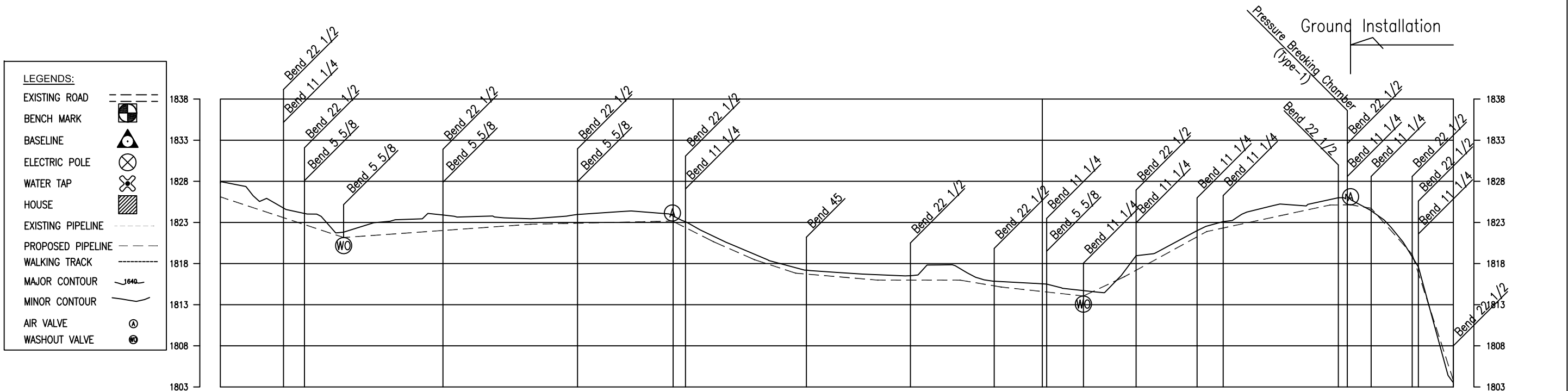
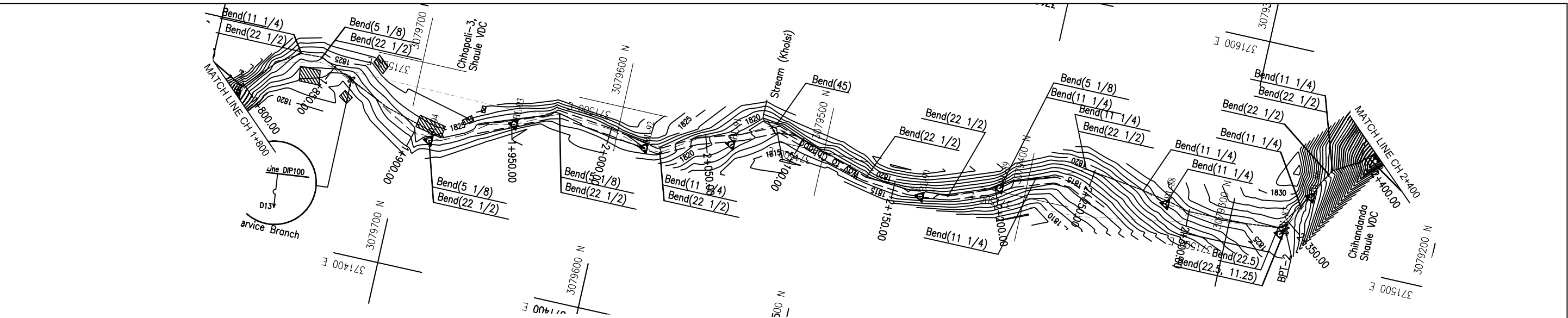
LEGENDS:	
EXISTING ROAD	
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	
PROPOSED PIPELINE	
WALKING TRACK	
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



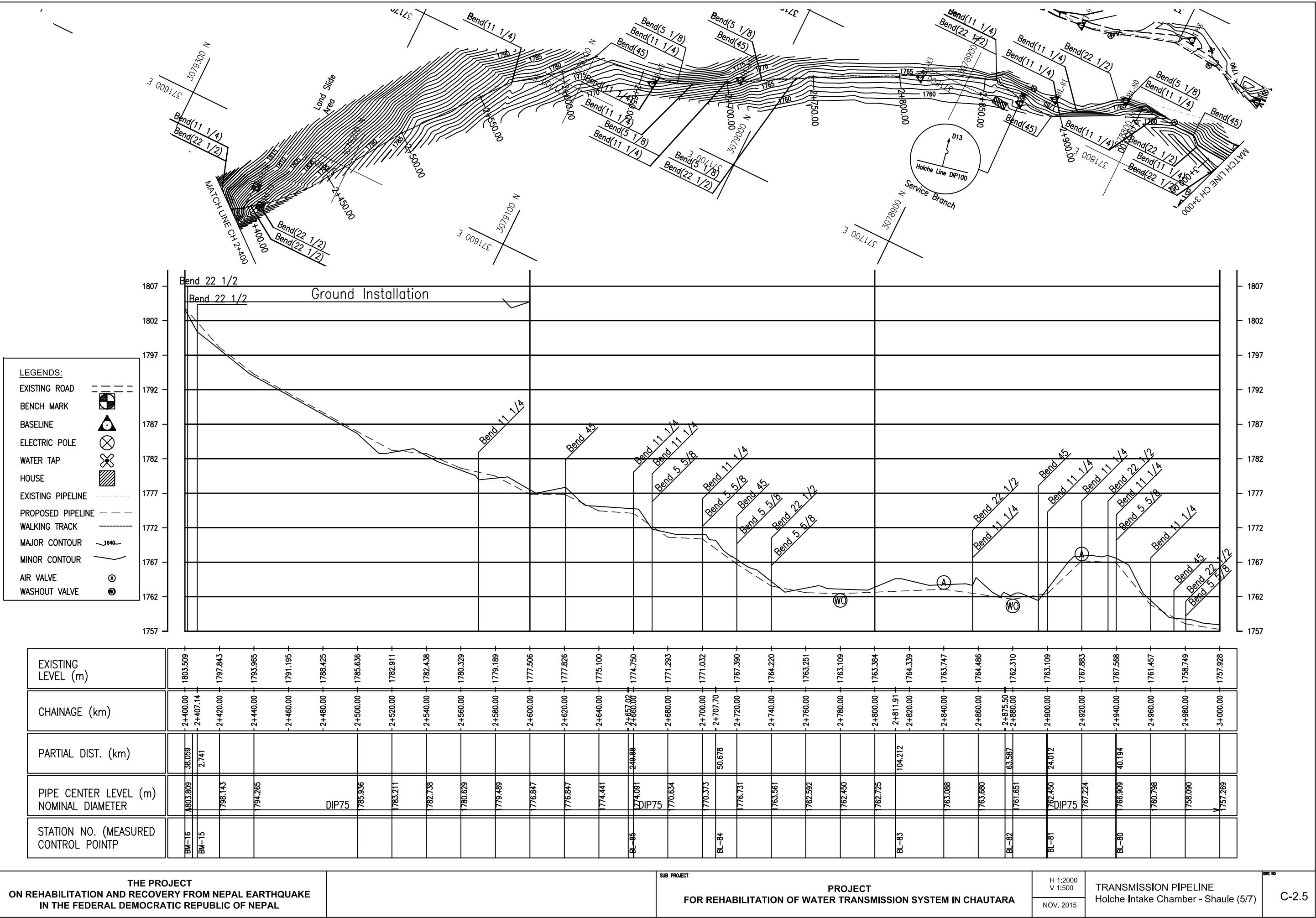
EXISTING LEVEL (m)	1826.740	1826.243	1825.205	1823.308	1821.386	1819.627	1818.669	1817.209	1816.857	1817.087	1820.466	1821.810	1824.206	1825.129	1822.377	1817.607	1816.814	1812.429	1810.426	1811.552	1813.743	1814.918	1817.320	1819.008	1821.732	1824.370	1828.173	1827.823	1827.551	1830.790	1831.624	1831.369	1831.969				
CHAINAGE (km)	0+600.00	0+620.00 0+621.40	0+640.00 0+643.04	0+660.00	0+680.00	0+686.01	0+700.00	0+720.00	0+740.00	0+751.68	0+760.00	0+780.00	0+800.00	0+808.07	0+820.00	0+831.82	0+840.00	0+860.00	0+880.00	0+900.00	0+920.00	0+940.00	0+960.00	0+980.00	1+000.00	1+009.01	1+020.00	1+040.00	1+060.00	1+077.97 1+080.00	1+100.00	1+120.00	1+140.00	1+156.86 1+160.00	1+180.00	1+188.12	1+200.00
PARTIAL DIST. (km)		45.824	21.634			42.977								122.06		23.747								177.193			66.956			76.865		31.264					
PIPE CENTER LEVEL (m)	1827.040	1826.543	1825.505		1821.686		1819.927		1817.509	1816.198	1817.387	1820.786	1821.151	1823.547	1824.370	1821.718	1816.948	1816.155	1811.770	1809.767		1816.661			1823.711		1826.892			1830.131				1831.310			
NOMINAL DIAMETER							DIP100										DIP100										DIP100										
STATION NO. (MEASURED CONTROL POINT)	Air Valve	BL-109	BL-108		BL-107					Washout		Road Crossing	BL-106	Air Valve BL-105			Washout				Stream			BL-104						BL-103		BL-102					

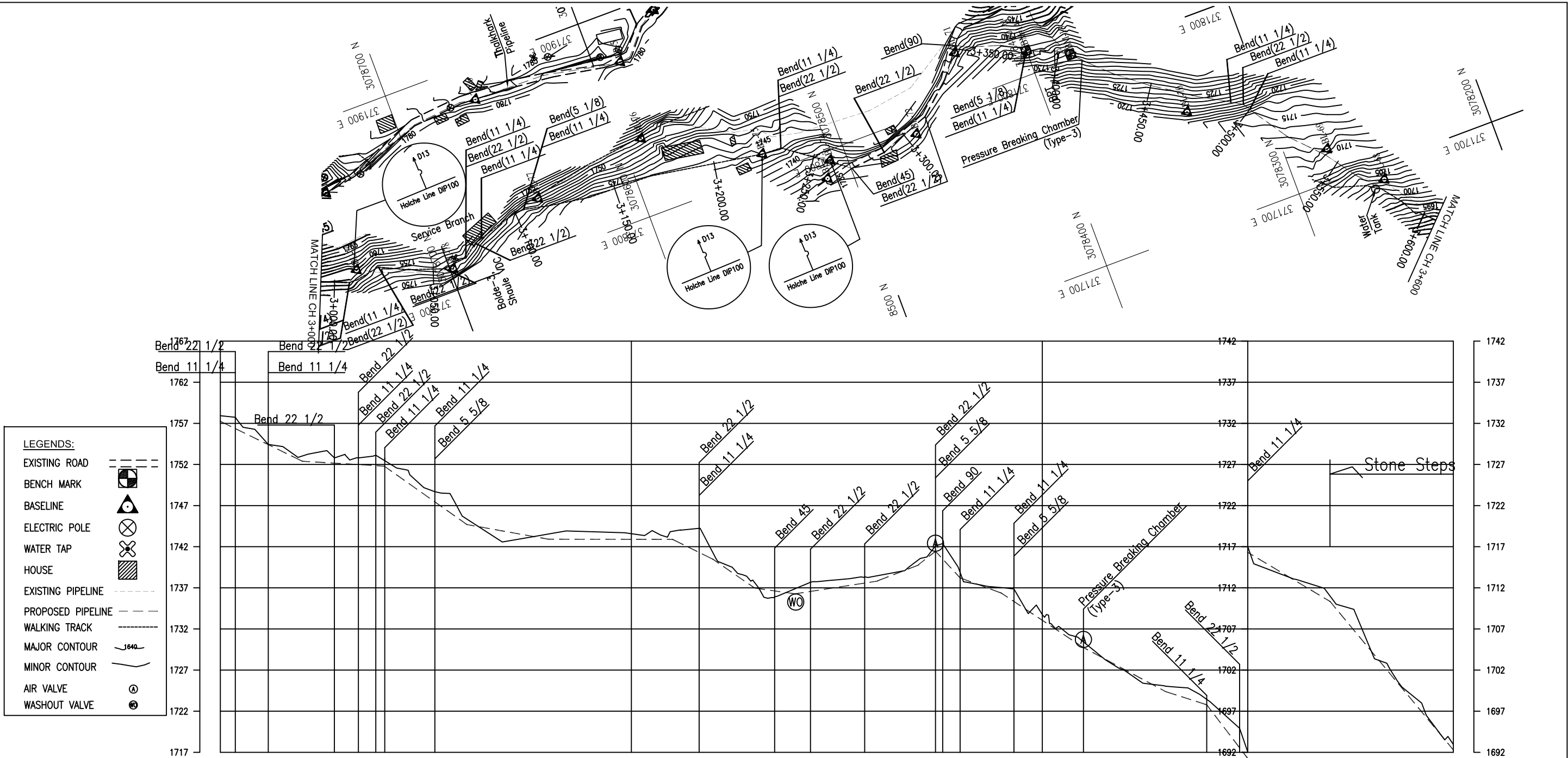


STATION NO. (MEASURED CONTROL POINT)	PIPE CENTER LEVEL (m) NOMINAL DIAMETER	PARTIAL DIST. (km)	CHAINAGE (km)	EXISTING LEVEL (m)
	1831.310		+1+200.00	1831.969
	1832.574		+1+220.00	1833.233
	1832.776		+1+240.00	1833.435
BL-101	1832.776	67.018	+1+255.14 +1+260.00	1832.687
			+1+280.00	1832.115
	1833.325		+1+300.00	1833.125
BW-18	DIP100	58.653	+1+313.79 +1+320.00	1833.103
BW-17	1836.984	28.312	+1+340.00 +1+342.10	1835.704
Air Valve	1837.739		+1+360.00	1837.439
BL-100	1836.527	33.038	+1+375.14 +1+380.00	1836.227
	1834.658		+1+400.00	1834.358
	1830.196		+1+420.00	1830.855
	1824.107		+1+440.00	1824.766
	1823.097		+1+460.00	1823.756
DIP100	1822.901		+1+480.00	1823.560
BL-99		116.315	+1+491.46 +1+500.00	1821.207
Wssuout	1815.262		+1+520.00	1815.921
	1820.306		+1+540.00	1820.965
Air Valve	1820.522		+1+560.00	1821.181
	1819.406		+1+580.00	1820.065
	1816.375		+1+600.00	1817.034
Wssuout	1815.873		+1+620.00	1816.532
	1819.212		+1+640.00	1819.871
	1821.101		+1+660.00	1821.760
	1824.234		+1+680.00	1824.893
BL-98		200.461	+1+691.92 +1+700.00	1829.000
Air Valve	DIP100		+1+720.00 +1+725.50	1828.778
BL-97		33.584	+1+740.00	1828.991
BL-96	1826.944	34.044	+1+760.00	1827.603
			+1+780.00	1828.269
BL-95	1826.109	33.643	+1+793.19 +1+800.00	1827.795
Air Valve				



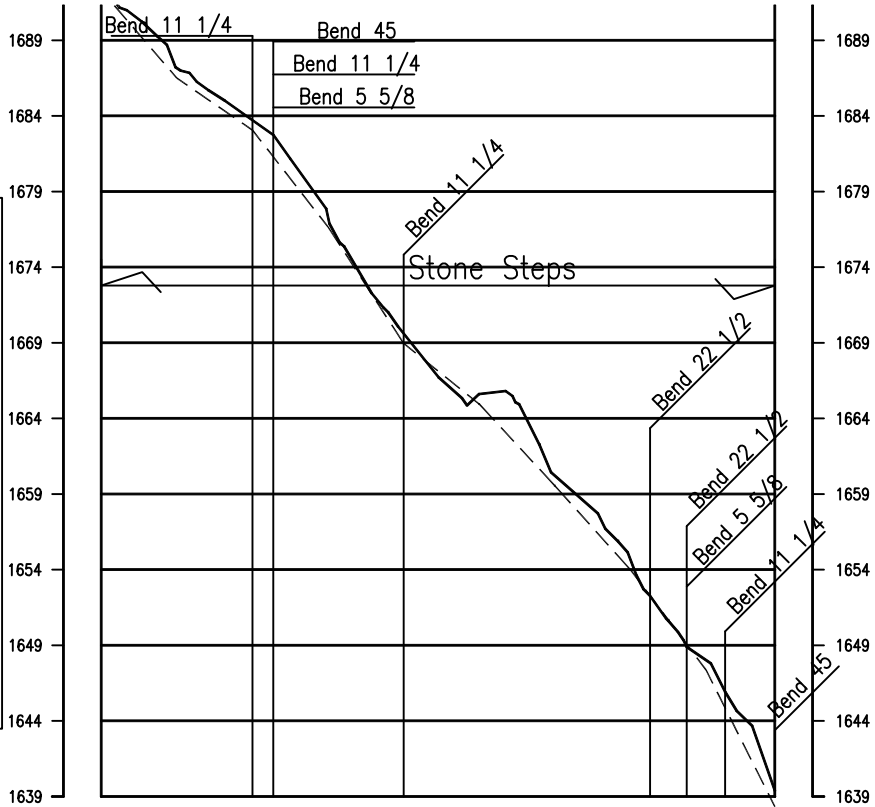
EXISTING LEVEL (m)	1827.795	1825.648	1824.141	1821.829	1823.090	1823.859	1823.692	1823.543	1823.440	1823.600	1824.069	1824.397	1823.827	1821.316	1819.125	1817.491	1816.928	1816.646	1816.754	1817.395	1815.806	1815.541	1814.717	1817.070	1819.951	1822.553	1824.292	1825.161	1825.780	1825.931	1824.425	1818.814	1803.509			
CHAINAGE (km)	1+800.00	1+820.00	1+840.00	1+860.00	1+880.00	1+900.00	1+908.34	1+920.00	1+940.00	1+951.07	1+960.00	1+980.00	2+000.00	2+020.00	2+040.00	2+060.00	2+080.00	2+100.00	2+120.00	2+140.00	2+160.00	2+180.00	2+200.00	2+220.00	2+240.00	2+260.00	2+280.00	2+288.02	2+300.00	2+320.00	2+340.00	2+347.19	2+360.00	2+366.34	2+380.00	2+400.00
PARTIAL DIST. (km)							115.154			42.728			67.342			43.585	20.635				80.867	38.63				85.893			56.037	3.134		19.147				
PIPE CENTER LEVEL (m)	1826.109			1821.170						1822.781			1823.168		1820.657	1818.466	1816.832		1815.987		1815.147	1814.882		1814.058	1816.411		1821.894			1825.121	1825.272	1824.725	1819.114	1803.809		
NOMINAL DIAMETER					DIP100												DIP100							DIP100									DIP75			
STATION NO. (MEASURED CONTROL POINT)				Washout			BL-94			BL-93			Air Valve	BL-92		BL-91	Stream				BL-90		BL-89	Washout			BL-88			BL-87	BPT-2		BL-86			





EXISTING LEVEL (m)	1757.928	1755.367	1753.041	1753.174	1752.454	1749.095	1745.354	1742.693	1743.558	1743.825	1743.583	1743.873	1741.125	1737.633	1736.918	1737.976	1738.485	1740.454	1742.103	1738.870	1737.026	1733.740	1730.431	1726.960	1725.043	1723.439	1717.018	1713.301	1711.004	1704.348	1698.922	1692.953	
CHAINAGE (km)	3+000.00	3+013.46 3+020.00	3+040.00	3+060.00	3+080.00	3+100.00	3+112.18 3+120.00	3+140.00	3+160.00	3+168.28 3+180.00	3+200.00	3+220.00 3+223.96	3+240.00	3+258.14 3+260.00	3+280.00	3+300.00 3+304.89	3+320.00	3+340.00	3+348.01	3+360.00	3+380.00 3+386.19	3+400.00	3+407.95	3+420.00	3+440.00	3+460.00	3+470.18 3+480.00	3+500.00	3+520.00	3+540.00 3+542.99	3+560.00	3+574.09 3+580.00	3+600.00
PARTIAL DIST. (km)		73.758		45.841			52.874			56.107		55.677		34.177 2.01		44.743			43.12		38.181	15.999 5.761				62.227			72.812	29.58 1.52			
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1757.269		1752.382		1751.795	DIP75	1744.695		1742.899			1742.899	1740.466	1739.795	1736.259	DIP75	1737.826	1739.795	1741.547	1738.211	1736.367		1729.772			1724.384	1722.780	1716.359	DIP100	1710.345			1692.294
STATION NO. (MEASURED CONTROL POINT)		BL-79		BL-78			BL-77			BL-76		BL-75		BL-74 BL-73	Washout		BL-72		Air Valve BL-71		BM-14		BPT BM-13				BL-70		BL-69	Water Tank BL-68			

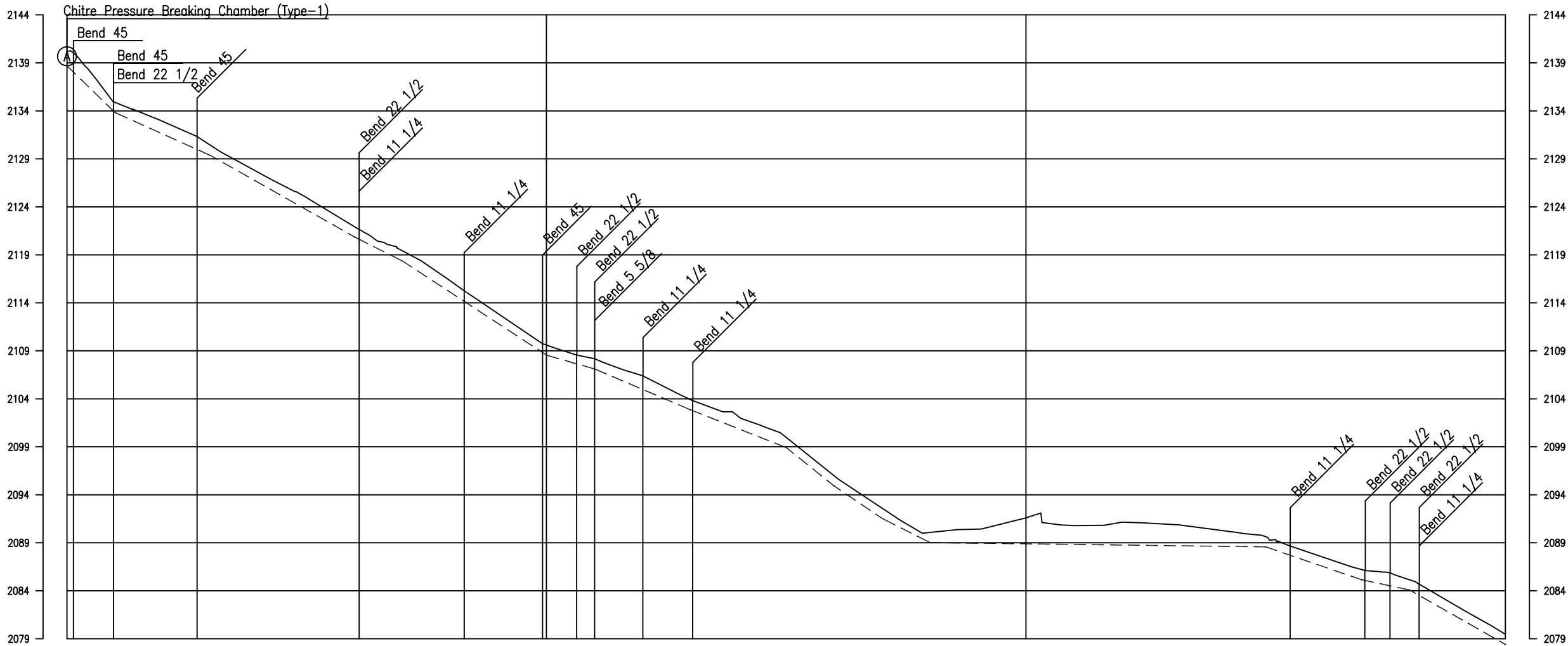
LEGENDS:	
EXISTING ROAD	---
BENCH MARK	
BASELINE	
ELECTRIC POLE	
WATER TAP	
HOUSE	
EXISTING PIPELINE	---
PROPOSED PIPELINE	---
WALKING TRACK	---
MAJOR CONTOUR	
MINOR CONTOUR	
AIR VALVE	
WASHOUT VALVE	



EXISTING LEVEL (m)	1692.953	1687.159	1683.720	1677.316	1669.617	1665.609	1660.210	1654.655	1648.025	1639.389
CHAINAGE (km)	3+600.00	3+618.00	3+640.00	3+654.34	3+680.00	3+700.00	3+720.00	3+739.76	3+760.00	3+778.21
PARTIAL DIST. (km)		18.00		36.2				85.42	23.18	15.27
PIPE CENTER LEVEL (m)	1692.294	1686.500	1683.061	1676.657	1668.958	1664.950	1659.351	1653.996	1647.366	1638.330
NOMINAL DIAMETER					DIP100					
STATION NO. (MEASURED CONTROL POINTP		BL-67		BL-66				BM-12	BM-11	Shaule Junction

LEGENDS:

- EXISTING ROAD
- BENCH MARK
- BASELINE
- ELECTRIC POLE
- WATER TAP
- HOUSE
- EXISTING PIPELINE
- PROPOSED PIPELINE
- WALKING TRACK
- MAJOR CONTOUR
- MINOR CONTOUR
- AIR VALVE
- WASHOUT VALVE



EXISTING LEVEL (m)	2140.205	2134.887	2132.899	2130.391	2127.560	2124.955	2121.915	2119.403	2116.265	2112.840	2109.601	2108.181	2106.410	2103.923	2102.168	2099.978	2095.979	2092.601	2090.080	2090.421	2091.591	2090.795	2091.140	2090.920	2090.331	2089.633	2087.833	2086.211	2085.141	2082.360	2079.464							
CHAINAGE (km)	0+000.00	0+020.00	0+040.00	0+047.38	0+060.00	0+080.00	0+100.00	0+120.00	0+137.62	0+140.00	0+160.00	0+180.00	0+200.00	0+216.02	0+220.00	0+240.00	0+260.00	0+277.53	0+300.00	0+320.00	0+340.00	0+348.25	0+360.00	0+380.00	0+400.00	0+420.00	0+432.82	0+440.00	0+460.00	0+480.00	0+500.00	0+504.12	0+520.00	0+540.00	0+558.94	0+560.00	0+580.00	0+600.00
PARTIAL DIST. (km)	0.000		47.376						90.240		78.402				61.516						70.718				84.570			71.299					54.814					
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	2138.696	2133.628		2129.332	DIP100			2120.856		2118.344			2108.542	2107.122		2102.864			2098.919	2094.920	2091.542		2089.021					2088.574	DIP100			2085.152	2084.082		2078.405			
STATION NO. (MEASURED CONTROL POINTP	Chitre Collection Chamber		TP-54							TP-53				TP-52					TP-51			BM-6				BM-5			TP-50					TP-49				

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT
PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

H 1:2000
V 1:500
NOV. 2015
TRANSMISSION PIPELINE
Chitre Chamber - Shauli (1/7)

LEGENDS:

EXISTING ROAD

BENCH MARK

BASELINE

ELECTRIC POLE

WATER TAP

HOUSE

EXISTING PIPELINE

PROPOSED PIPELINE

WALKING TRACK

MAJOR CONTOUR

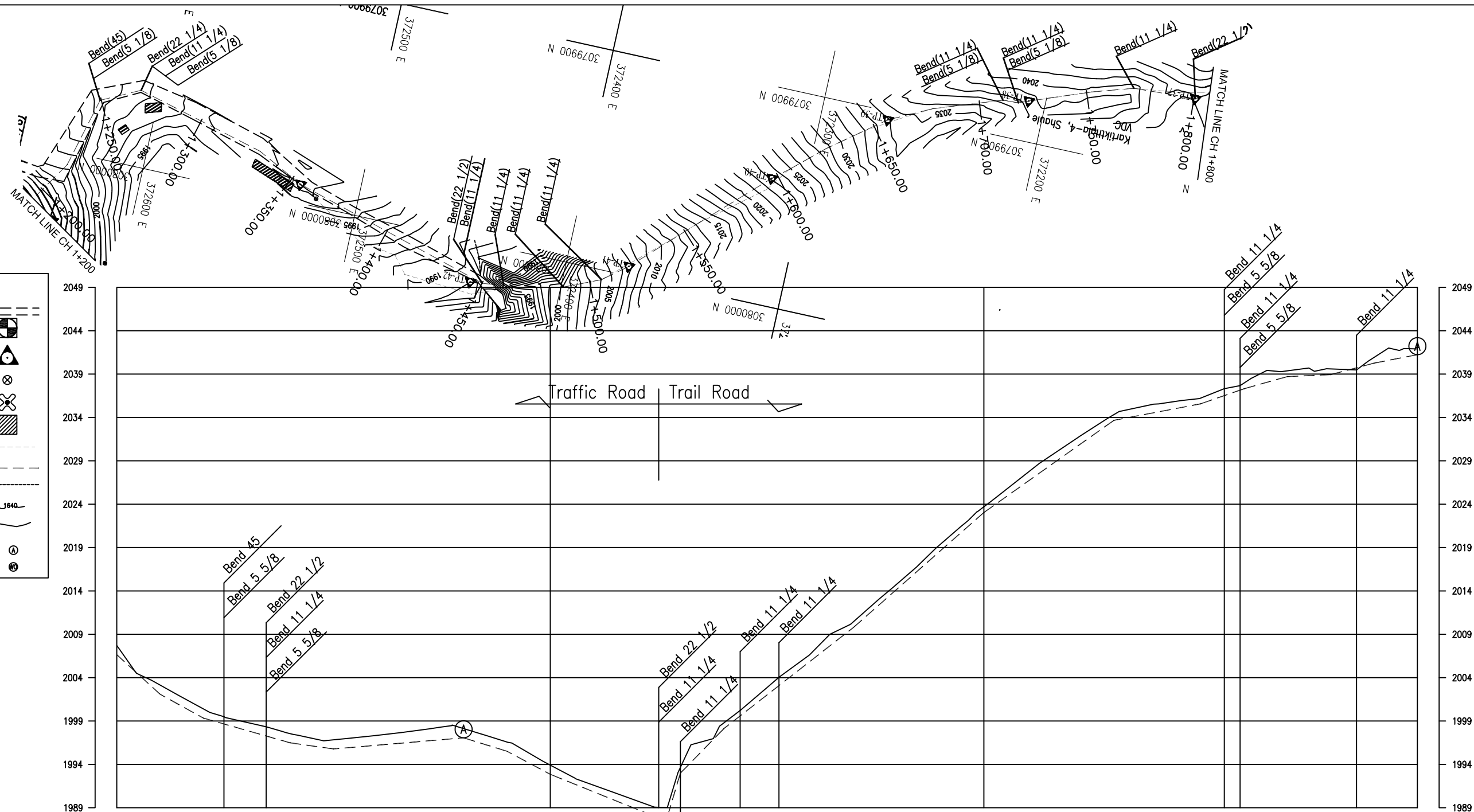
MINOR CONTOUR

AIR VALVE

WASHOUT VALVE



EXISTING LEVEL (m)	2079.464	2077.249	2074.809	2072.224	2070.198	2068.594	2066.965	2064.578	2062.684	2061.263	2058.990	2056.981	2054.316	2051.799	2049.746	2047.809	2045.159	2042.492	2040.877	2039.398	2037.100	2034.372	2031.805	2030.211	2028.304	2025.662	2023.438	2021.228	2018.994	2013.207	2007.705			
CHAINAGE (km)	0+600.00	0+620.00	0+640.00	0+660.00	0+680.00	0+687.47	0+700.00	0+720.00	0+740.00	0+760.00	0+780.00	0+791.68	0+800.00	0+820.00	0+840.00	0+860.00	0+880.00	0+900.00	0+920.00	0+940.00	0+947.76	0+960.00	0+980.00	1+000.00	1+020.00	1+040.00	1+060.00	1+080.00	1+100.00	1+120.00	1+136.88	1+160.00	1+180.00	1+200.00
PARTIAL DIST. (km)						128.535					104.209								156.077									188.928			46.639			
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	2078.405			2071.165	2069.139	DIP100	2065.906	2063.519	2061.625		2055.922	2050.740		2046.750	DIP100	2041.433		2038.339		2030.746	2029.152					DIP100	2020.169	2017.935	2013.148	2006.646				
STATION NO. (MEASURED CONTROL POINTP					TP-48						TP-47							TP-46									TP-45			TP-44				



EXISTING LEVEL (m)	2007.705	2003.143	2000.393	1998.842	1997.544	1996.838	1997.353	1997.972	1998.122	1996.573	1993.914	1991.598	1989.794	1989.046	1983.645	1998.771	2002.870	2006.723	2010.479	2014.824	2019.392	2023.698	2027.599	2031.117	2034.328	2035.548	2036.231	2037.964	2039.371	2039.596	2040.920	2041.895
CHAINAGE (km)	1+200.00	1+220.00	1+240.00	1+260.00	1+280.00	1+300.00	1+320.00	1+340.00	1+354.68 1+360.00	1+380.00	1+400.00	1+420.00	1+440.00 1+444.89	1+460.00	1+480.00	1+500.00	1+519.55 1+520.00	1+540.00	1+560.00	1+580.00	1+600.00	1+620.00	1+640.00	1+658.98 1+660.00	1+680.00	1+700.00	1+720.00 1+723.05	1+740.00	1+760.00	1+780.00	1+800.00	
PARTIAL DIST. (km)									171.361				90.204			74.660						77.463			59.966				66.069			
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	2006.646	2002.084	1999.334	DIP100	1996.485	1995.779			1997.063		1995.514			1988.387	1992.986	1998.112	DIP100		2009.820			2023.039			2033.669	DIP100	2035.572	2037.905	2038.712	2038.937	2040.261	2041.236
STATION NO. (MEASURED CONTROL POINTP									TP-43 Air Valve				Road Crossing TP-42 Washout					TP-41							TP-39				TP-38			

THE PROJECT
ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE
IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

SUB PROJECT

PROJECT
FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA

H 1:2000
V 1:500

NOV. 2015

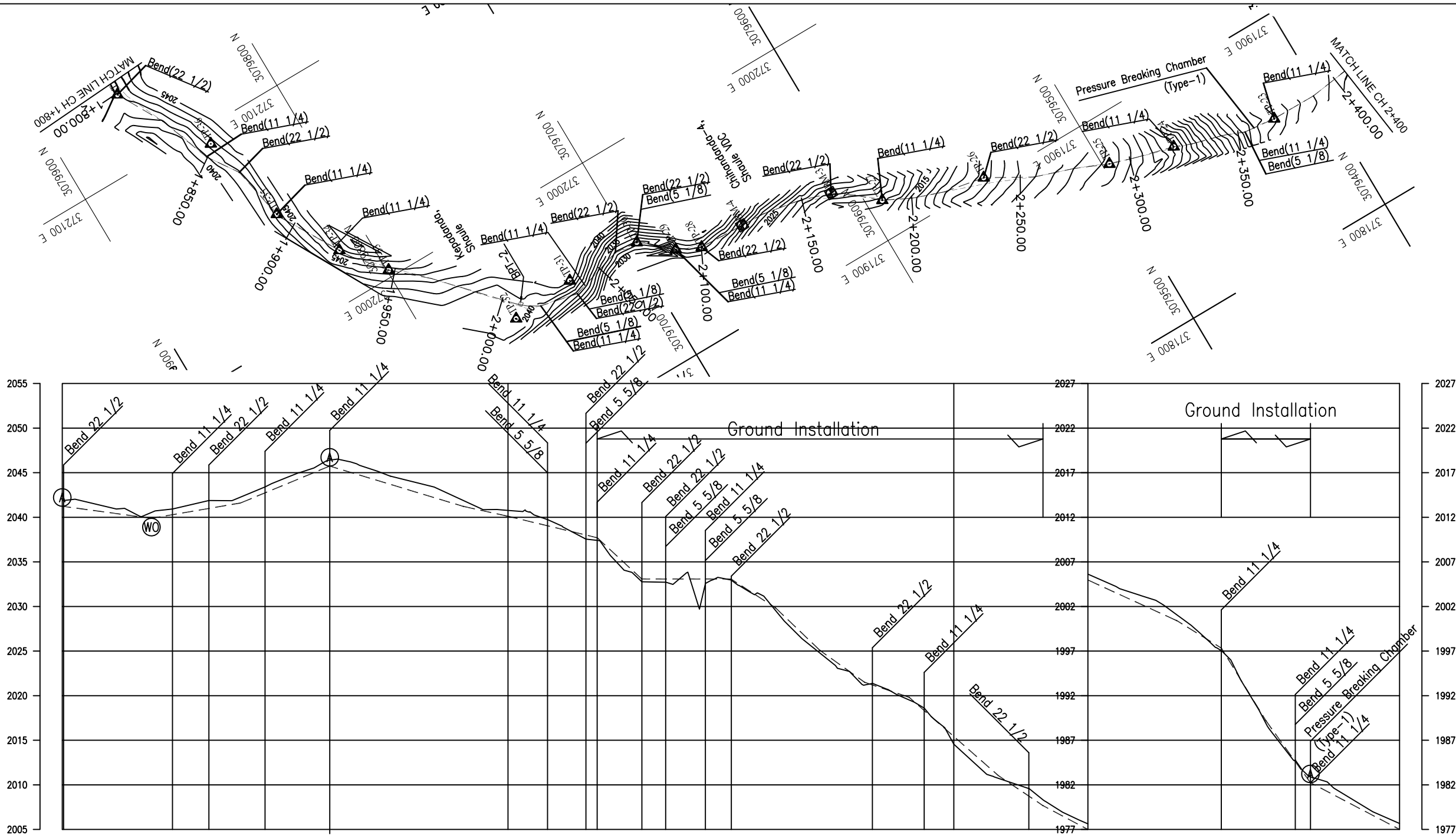
TRANSMISSION PIPELINE
Chitre Chamber - Shaule (3/7)

DWG NO

C-3.3

LEGENDS:

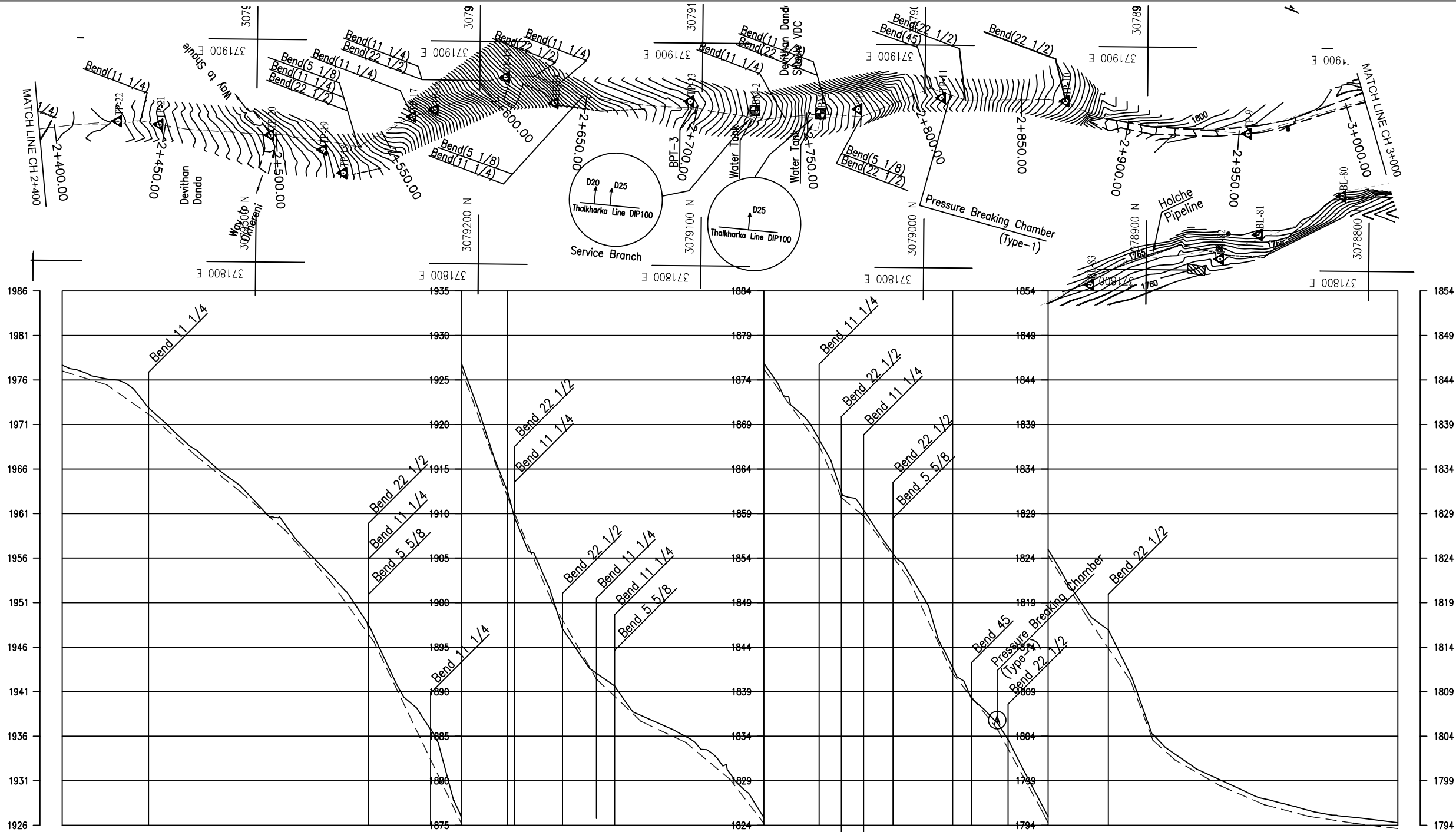
- EXISTING ROAD
- BENCH MARK
- BASLINE
- ELECTRIC POLE
- WATER TAP
- HOUSE
- EXISTING PIPELINE
- PROPOSED PIPELINE
- WALKING TRACK
- MAJOR CONTOUR
- MINOR CONTOUR
- AIR VALVE
- WASHOUT VALVE



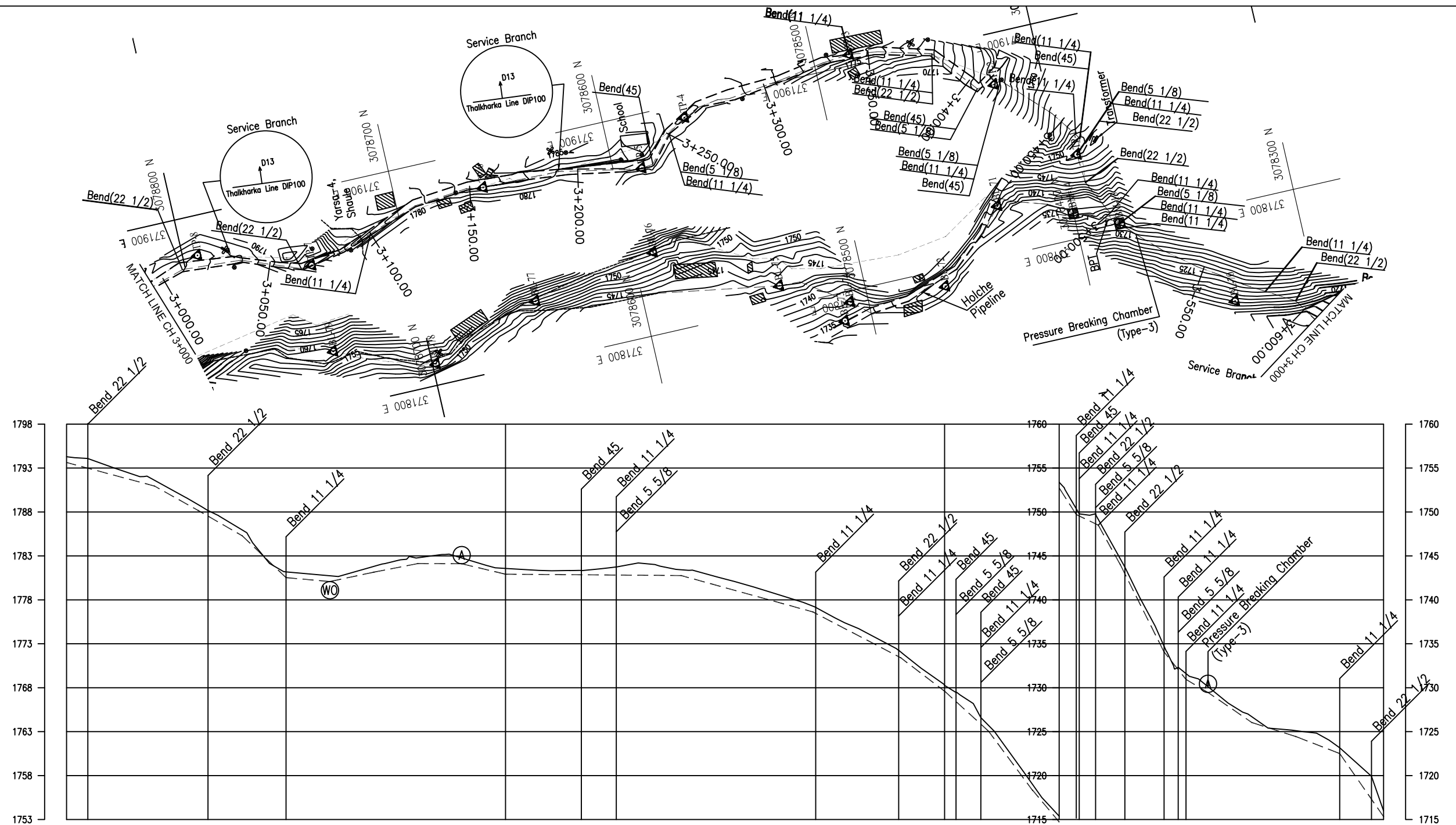
EXISTING LEVEL (m)	2041.895	2041.175	2040.543	2041.540	2042.264	2044.384	2046.401	2045.283	2043.816	2041.873	2040.772	2039.484	2037.407	2032.783	2033.757	2032.968	2029.549	2024.762	2021.199	2019.510	2014.563	2010.735	2008.332	2005.643	2003.540	2001.075	1997.045	1988.909	1982.901	1980.192	1977.665						
CHAINAGE (km)	1+800.00 1+800.61	1+820.00	1+840.00 1+847.29	1+860.00	1+880.00	1+890.96 1+900.00	1+920.00 1+923.43	1+940.00 1+947.28	1+960.00	1+980.00	2+000.00	2+007.77	2+040.00	2+060.00	2+070.70	2+080.00	2+088.52	2+100.00 2+100.18	2+120.00 2+120.82	2+140.00	2+160.00 2+163.47	2+180.00	2+186.71	2+200.00	2+220.00	2+233.64	2+240.00	2+260.00	2+280.00	2+290.56	2+300.00	2+320.00 2+320.44	2+340.00	2+360.00	2+367.53	2+380.00	2+400.00
PARTIAL DIST. (km)	77.469		46.680			43.677	32.464	23.856			60.484	25.820		37.118	17.819	11.653	20.644			42.650	23.235	46.932			56.926		29.873			47.096							
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	2041.236		2039.884		2041.605	DIP100	2044.342	2043.224		2040.814	2039.713		2037.707	2033.268		DIP100	2033.268	2029.849	2025.062		2021.499	2019.810		2010.076		2004.984		DIP100	2000.416	1997.345	1989.209	1982.242			1977.006		
STATION NO. (MEASURED CONTROL POINT)	TP-37		Washout TP-36			TP-35	Air Valve TP-34	TP-33			BPT-2 TP-32	TP-31		TP-30	TP-29	TP-28	BM-4			BM-3	TP-27		TP-26			TP-25		TP-24		PBC (1) TP-23							

LEGENDS:

- EXISTING ROAD
- BENCH MARK
- BASELINE
- ELECTRIC POLE
- WATER TAP
- HOUSE
- EXISTING PIPELINE
- PROPOSED PIPELINE
- WALKING TRACK
- MAJOR CONTOUR
- MINOR CONTOUR
- AIR VALVE
- WASHOUT VALVE



EXISTING LEVEL (m)	1977.665	1976.123	1972.595	1968.172	1964.113	1959.831	1954.223	1947.279	1938.870	1926.422	1912.533	1900.765	1892.069	1887.332	1884.975	1880.810	1874.156	1867.325	1864.443	1859.399	1852.431	1841.683	1835.483	1826.165	1818.183	1810.833	1804.182	1801.976	1799.120	1796.969	1795.662	1794.896	1794.287														
CHAINAGE (km)	2+400.00	2+420.00	2+428.60	2+440.00	2+447.36	2+460.00	2+480.00	2+494.11	2+500.00	2+520.00	2+533.08	2+540.00	2+560.00	2+565.46	2+575.86	2+580.00	2+600.00	2+611.83	2+620.00	2+638.13	2+640.00	2+660.00	2+680.00	2+696.57	2+700.00	2+720.00	2+724.70	2+740.00	2+752.81	2+756.35	2+760.00	2+773.22	2+780.00	2+800.00	2+814.62	2+820.00	2+840.00	2+860.00	2+869.95	2+880.00	2+900.00	2+920.00	2+940.00	2+954.12	2+960.00	2+980.00	3+000.00
PARTIAL DIST. (km)			61.071				46.744	3.447		24.754	10.775		32.376	10.403				58.437	1.166		26.965		28.116	3.541	16.866		41.402		55.326																		
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	1977.006	1975.464	1971.936	1967.513	1963.454	1959.172	1953.564	1946.620		1925.763	1911.874	1900.106	1891.410	1886.673	1884.316	1880.151	1874.156	1866.667	1860.784	1858.731	1851.772	1841.024	1834.824	1825.506	1817.524	1810.174	1803.523	1801.317	1798.461	1796.310	1795.003	1794.237	1793.628														
STATION NO. (MEASURED CONTROL POINT)		TP-22	TP-21		Road Edge	TP-20 (Road Edge)	TP-19 DIP100	TP-18		TP-17	TP-16		TP-15	TP-14		TP-13	BPT-3 DIP100	BM-2 Water Tank	Water Tank	BM-1	TP-12		TP-11 PBC (1)		TP-10						TP-9																



STATION NO. (MEASURED CONTROL POINT)	PIPE CENTER LEVEL (m) NOMINAL DIAMETER	PARTIAL DIST. (km)	CHAINAGE (km)	EXISTING LEVEL (m)
	1793.628		-3+000.00	1794.287
TP-8		63.404	-3+020.00	1793.154
	1790.956		-3+040.00	1791.615
	DIP100		-3+060.00	1788.825
TP-7		51.868	-3+089.39	1785.953
	1785.294		-3+080.00	1785.953
	1780.528		-3+100.00	1781.187
Washout	1780.082		-3+120.00	1780.741
	1781.151		-3+140.00	1781.810
TP-6		86.742	-3+156.13	1782.784
	1782.125		-3+160.00	1782.784
Air Valve	1782.107		-3+180.00	1782.766
	1780.918		-3+200.00	1781.577
TP-5		73.054	-3+220.00	1781.317
			-3+229.18	1781.455
			-3+240.00	1781.455
TP-4		31.266	-3+260.00	1782.180
			-3+260.43	1782.180
	1780.765		-3+280.00	1781.424
	DIP100		-3+300.00	1780.362
			-3+320.00	1778.924
TP-3		80.816	-3+340.00	1777.283
	1776.624		-3+341.27	1777.283
			-3+360.00	1774.812
	1771.412		-3+380.00	1772.071
	1767.606		-3+400.00	1768.265
TP-2		71.827	-3+413.09	1763.721
	1763.062		-3+420.00	1763.721
	1756.368		-3+440.00	1757.027
Transformer	1749.705	48.557	-3+450.00	1750.364
TP-1	1748.505	7.145	-3+461.85	1749.164
	1744.020		-3+468.80	1749.164
BW-14		20.853	-3+480.00	1744.679
BFT	1734.061	11.598	-3+489.65	1734.720
BW-13	1730.940	5.186	-3+500.00	1731.599
PBC (3)	1729.461		-3+506.43	1730.120
	DIP100		-3+520.00	1730.120
	1726.035		-3+540.00	1726.694
	1724.450		-3+560.00	1725.109
BL-70		62.402	-3+568.83	1723.167
	1722.508		-3+580.00	1723.167
	1715.326		-3+600.00	1715.985

LEGENDS:

EXISTING ROAD

BENCH MARK

BASELINE

ELECTRIC POLE

WATER TAP

HOUSE

EXISTING PIPELINE

PROPOSED PIPELINE

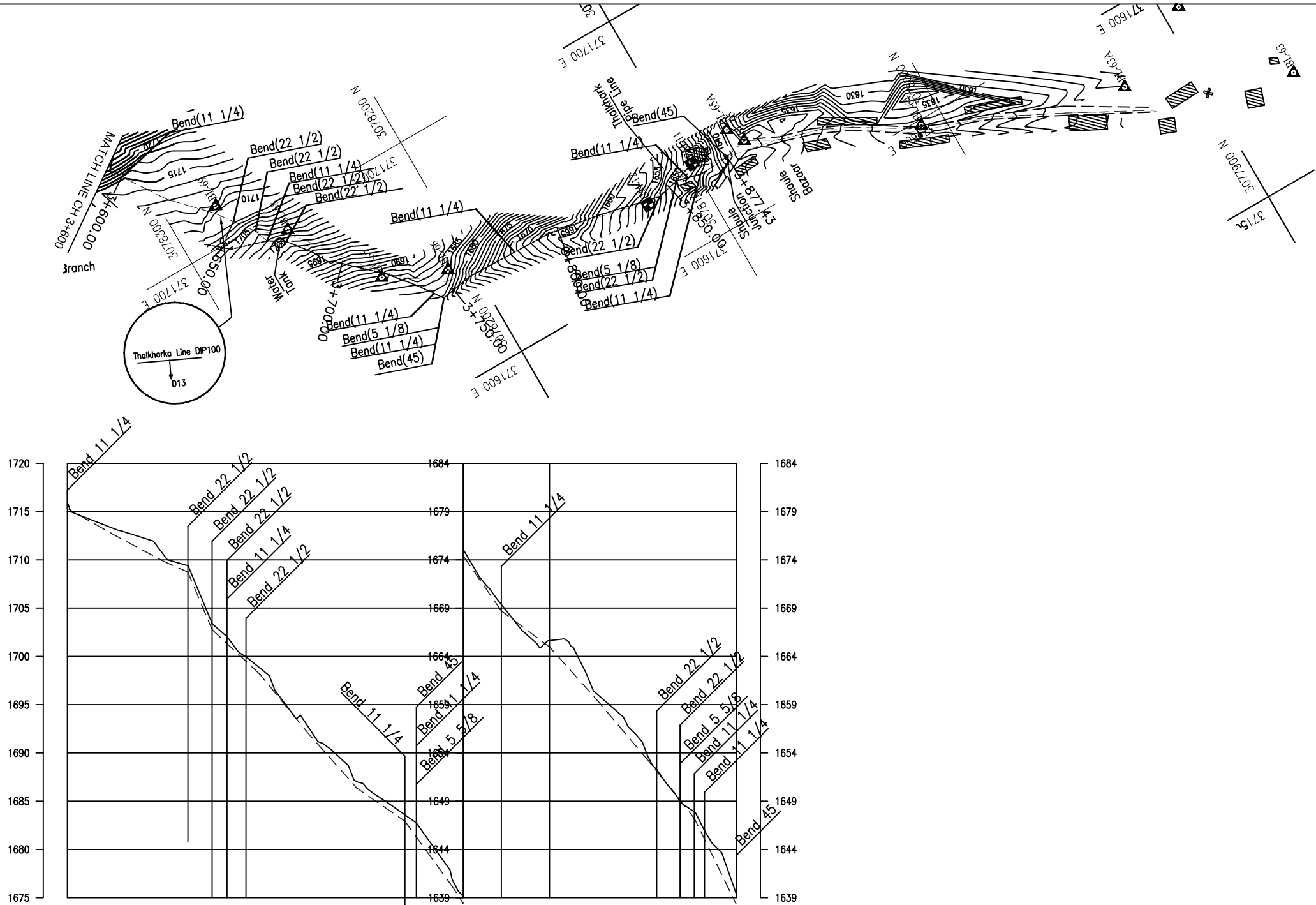
WALKING TRACK

MAJOR CONTOUR

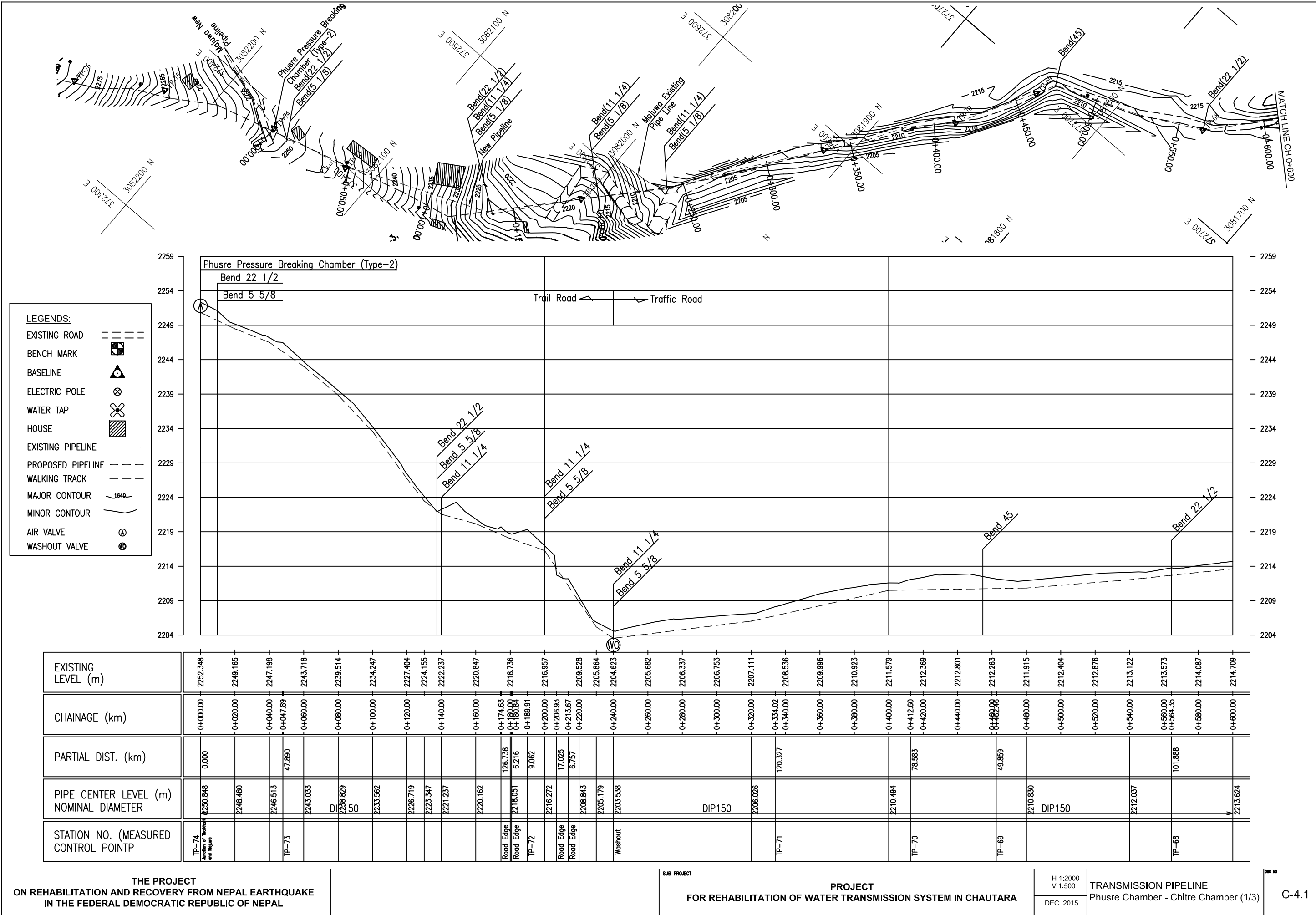
MINOR CONTOUR

AIR VALVE

WASHOUT VALVE



EXISTING LEVEL (m)	1715.985	1713.159	1710.496	1709.389	1703.436	1698.764	1692.659	1687.030	1683.592	1676.683	1669.372	1665.632	1660.039	1654.142	1647.893	1639.389
CHAINAGE (km)	3+600.00	3+620.00	3+640.00	3+641.10	3+660.00	3+674.15	3+680.00	3+700.00	3+717.78	3+746.00	3+753.56	3+760.00	3+780.00	3+800.00	3+820.00	3+838.98
PARTIAL DIST. (km)			72.266			33.054			43.292		36.200			85.420	23.18	15.273
PIPE CENTER LEVEL (m)	1715.326	1712.500	1709.637	1708.730	1702.777	1698.105	1692.000	1686.371	1682.923	1676.034	1668.713	1664.973	1659.380	1653.483	1647.234	1638.330
STATION NO. (MEASURED CONTROL POINTP)			BL-69			BL-68		BL-67		BL-66				BM-12	BM-11	Shaule Junction



LEGENDS:

EXISTING ROAD

BENCH MARK

BASELINE

ELECTRIC POLE

WATER TAP

HOUSE

EXISTING PIPELINE

PROPOSED PIPELINE

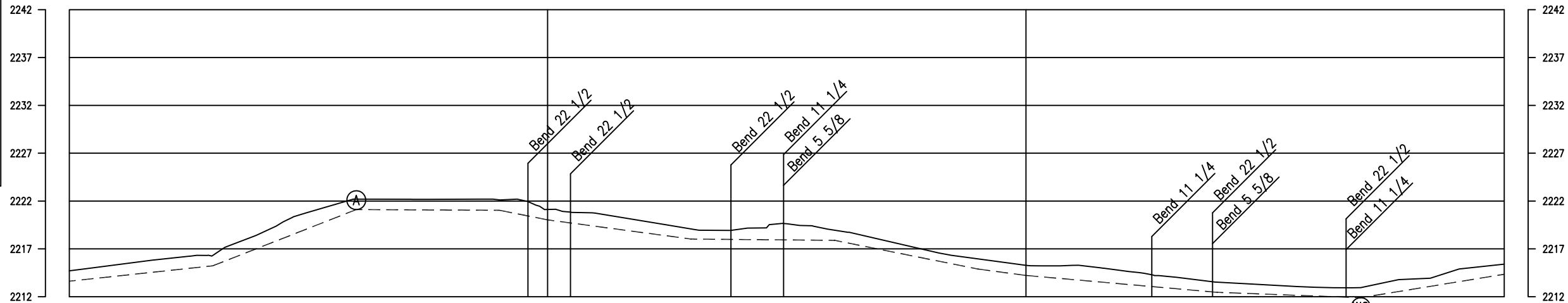
WALKING TRACK

MAJOR CONTOUR

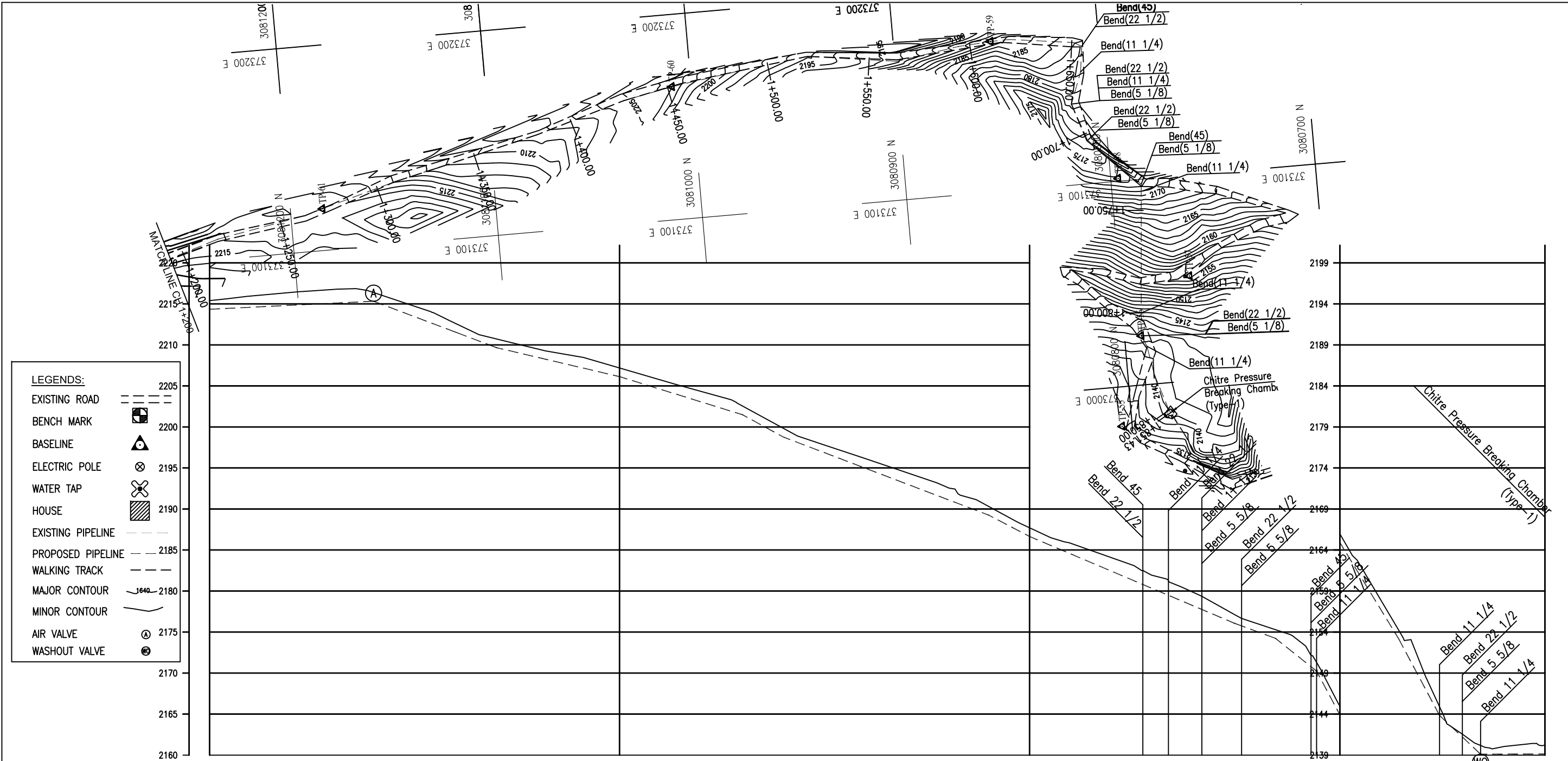
MINOR CONTOUR

AIR VALVE

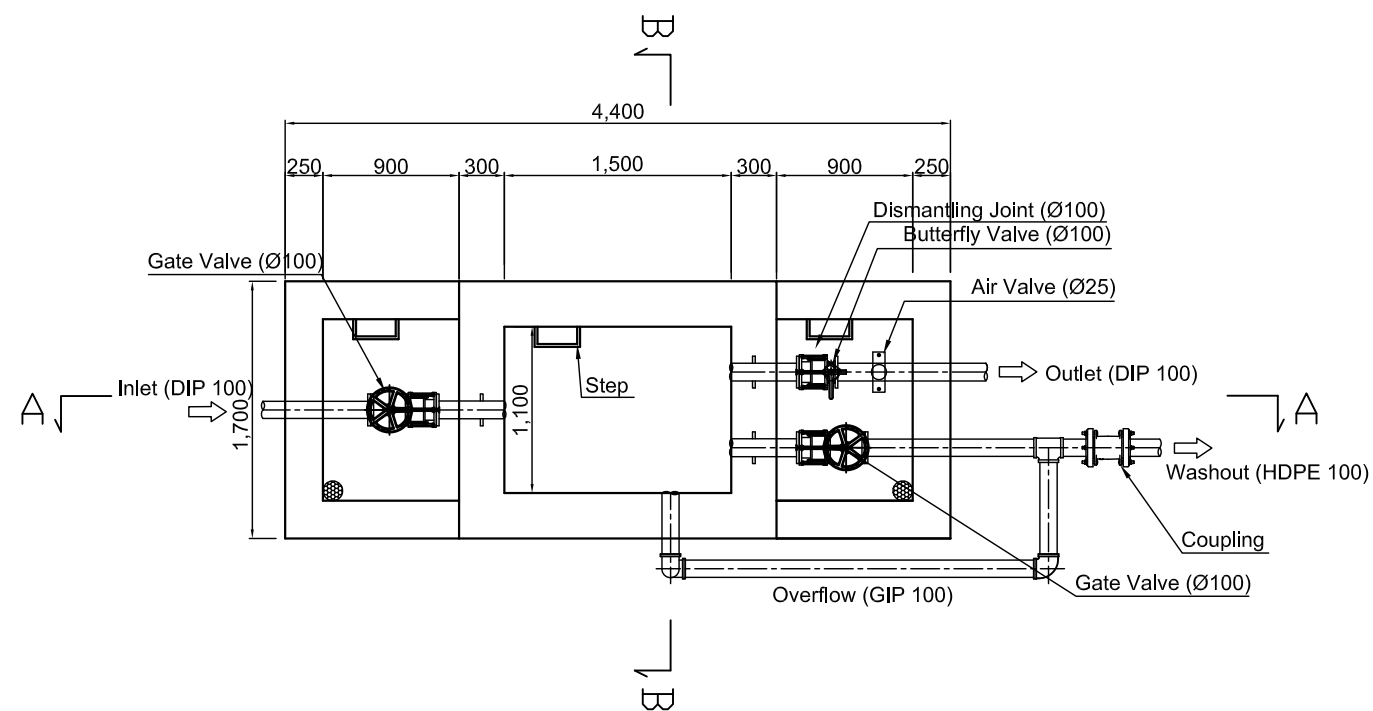
WASHOUT VALVE



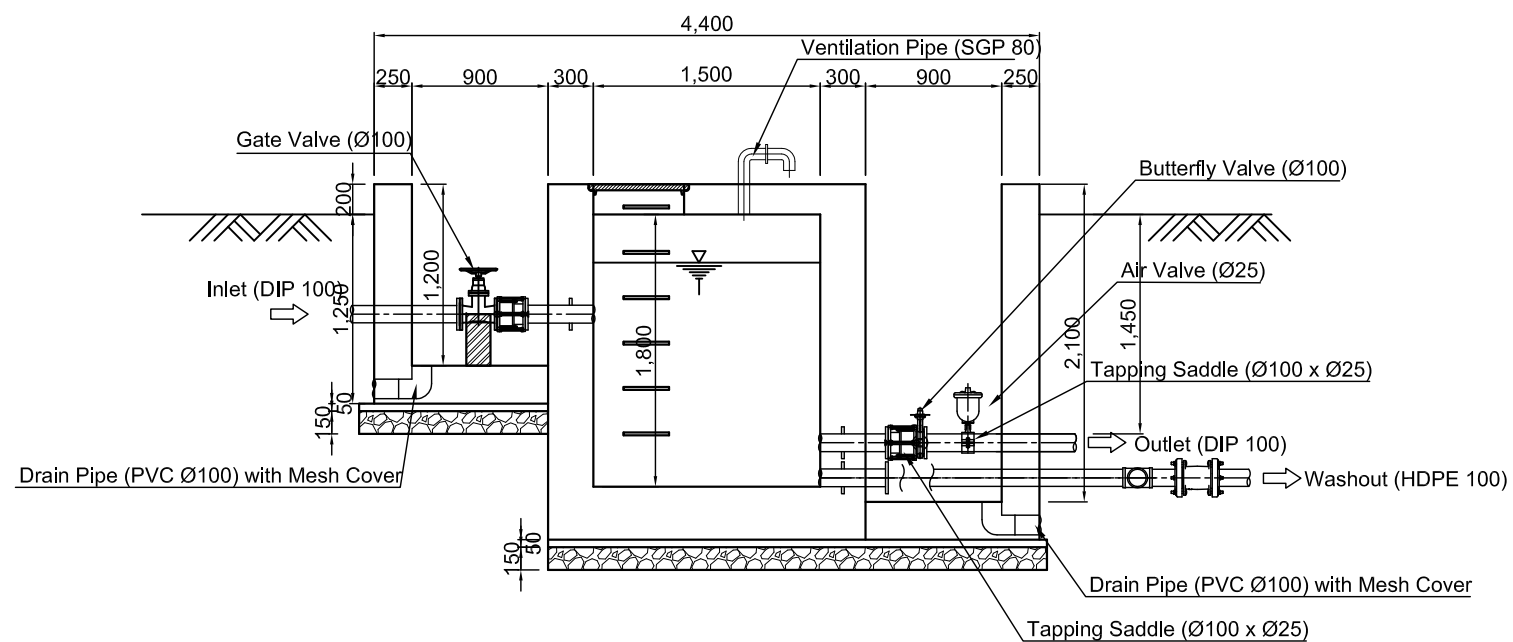
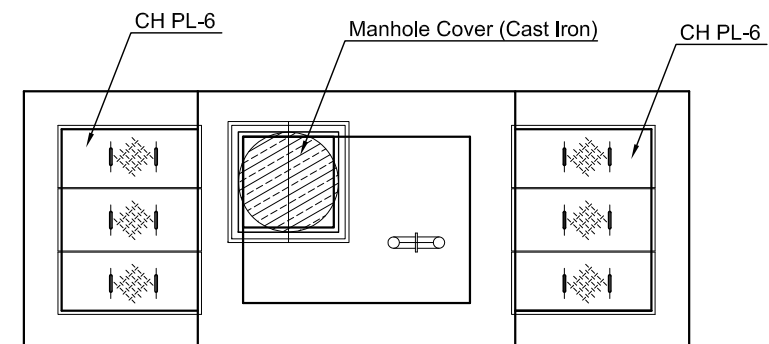
EXISTING LEVEL (m)	2214.709	2215.348	2215.963	2216.318	2218.629	2220.836	2222.194	2222.188	2222.190	2222.118	2221.117	2220.736	2219.912	2219.086	2219.052	2219.632	2218.953	2217.931	2216.774	2215.952	2215.284	2215.280	2214.736	2214.100	2213.517	2213.249	2212.991	2212.949	2213.835	2214.811	2215.407							
CHAINAGE (km)	0+600.00	0+620.00	0+640.00	0+650.65	0+660.00	0+680.00	0+700.00	0+718.57	0+720.00	0+740.00	0+760.00	0+780.00	0+791.78	0+800.00	0+819.88	0+820.00	0+840.00	0+860.00	0+880.00	0+898.67	0+900.00	0+920.00	0+940.00	0+960.00	0+980.00	1+000.00	1+005.72	1+020.00	1+040.00	1+053.66	1+060.00	1+080.00	1+100.00	1+120.00	1+140.00	1+160.00	1+180.00	1+200.00
PARTIAL DIST. (km)				86.301				67.921					73.213		28.101				78.791							107.047		47.944				86.358						
PIPE CENTER LEVEL (m)	2213.624				2215.233			2221.109				2221.033		2220.032				2218.027			2217.894				2214.893		2214.225				2212.458			2211.890		2214.348		
NOMINAL DIAMETER					DIP150										DIP100																DIP100							
STATION NO. (MEASURED CONTROL POINT)				TP-67				BM-8 Air Valve					BM-7		TP-66					TP-65					TP-64				TP-63				Washout TP-62					



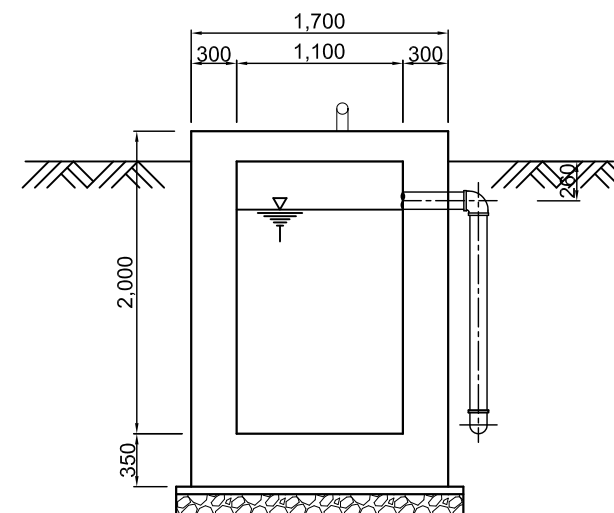
EXISTING LEVEL (m)	2215.407	2215.957	2216.406	2216.757	2216.386	2214.717	2212.616	2210.726	2209.509	2208.581	2207.193	2205.732	2204.319	2202.548	2199.819	2197.801	2196.141	2194.443	2192.635	2190.324	2187.711	2185.827	2184.066	2181.908	2179.825	2177.128	2175.290	2171.304	2162.688	2154.263	2144.899	2140.176	2140.282	2140.205						
CHAINAGE (km)	1+200.00	1+220.00	1+240.00	1+260.00	1+271.46	1+280.00	1+300.00	1+320.00	1+340.00	1+360.00	1+380.00	1+400.00	1+420.00	1+440.00	1+452.08	1+460.00	1+480.00	1+500.00	1+520.00	1+540.00	1+560.00	1+580.00	1+600.00	1+610.32	1+620.00	1+640.00	1+660.00	1+680.00	1+700.00	1+720.00	1+726.66	1+738.20	1+740.00	1+760.00	1+781.35	1+800.00	1+811.14	1+820.00	1+840.00	1+861.43
PARTIAL DIST. (km)					131.439										180.617								158.245								116.338	11.537		43.757		29.182		37.431	2.863	
PIPE CENTER LEVEL (m) NOMINAL DIAMETER	2214.348				2215.327	DIP100	2211.557	2209.667			2206.134			2201.489	2198.760	DIP100				2189.265	2186.652				2176.069	2174.231	2170.245	DIP100	2153.204		2143.840		2139.117			2139.546				
STATION NO. (MEASURED CONTROL POINT)				TP-61	Air Valve									TP-60								TP-59						TP-58	Road Edge		TP-57			TP-56	Washout		TP-55	Chin Collection Chamber		



PLAN

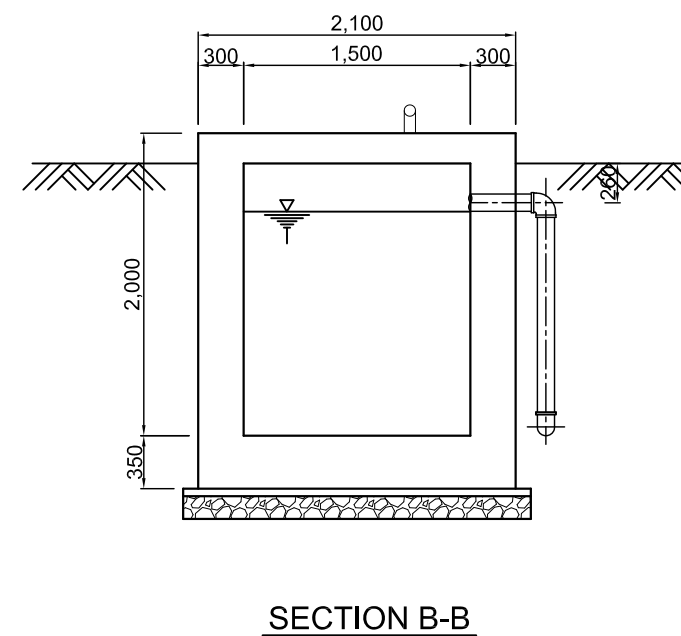
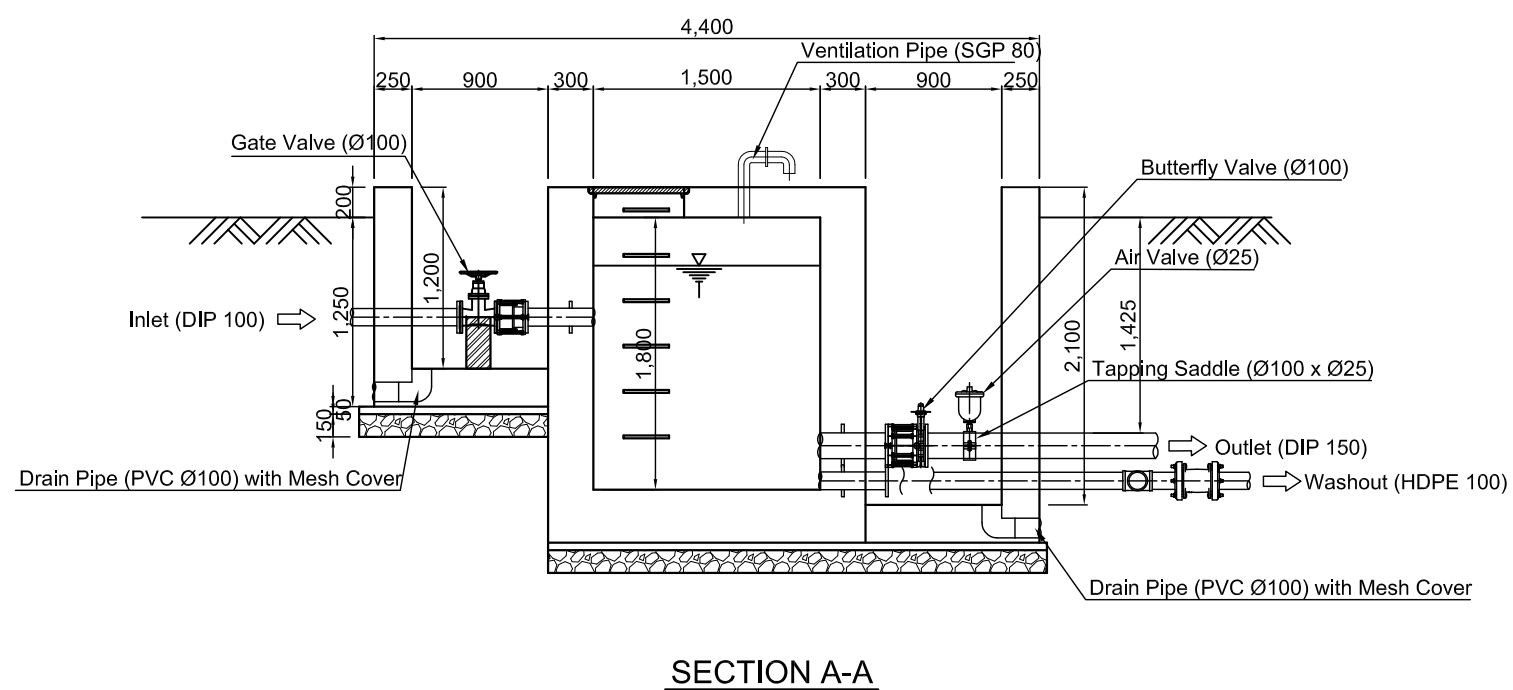
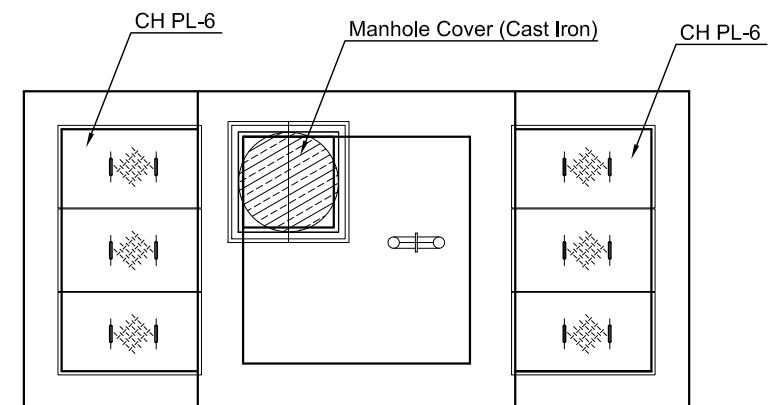
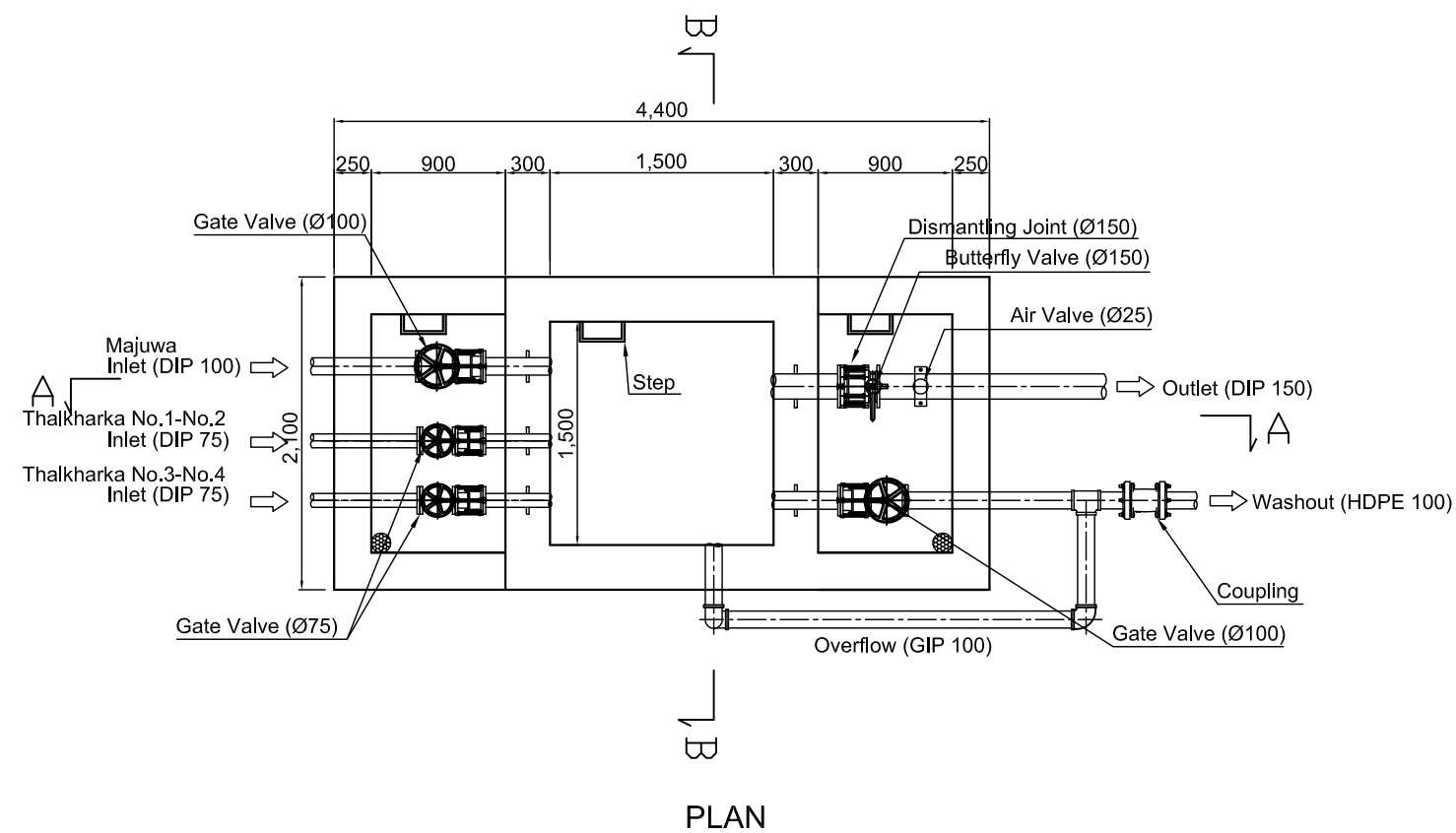


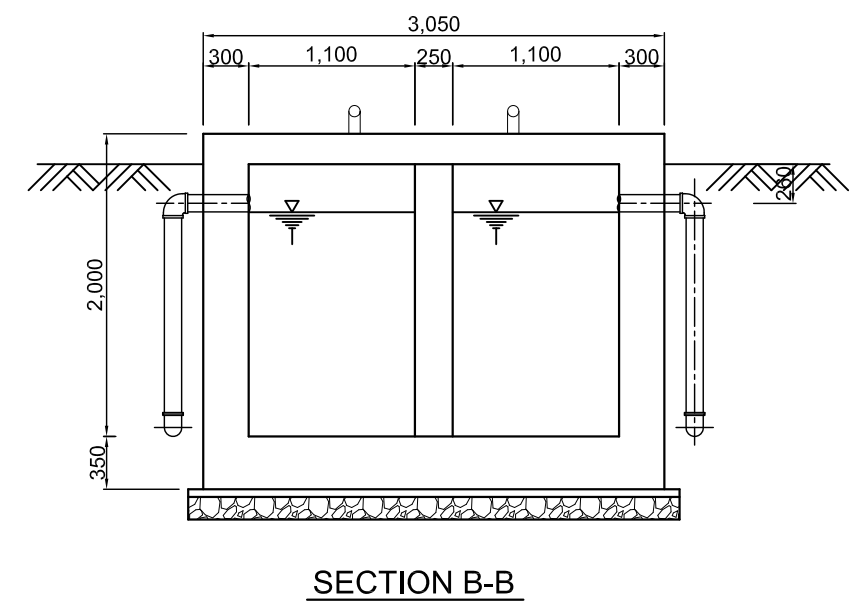
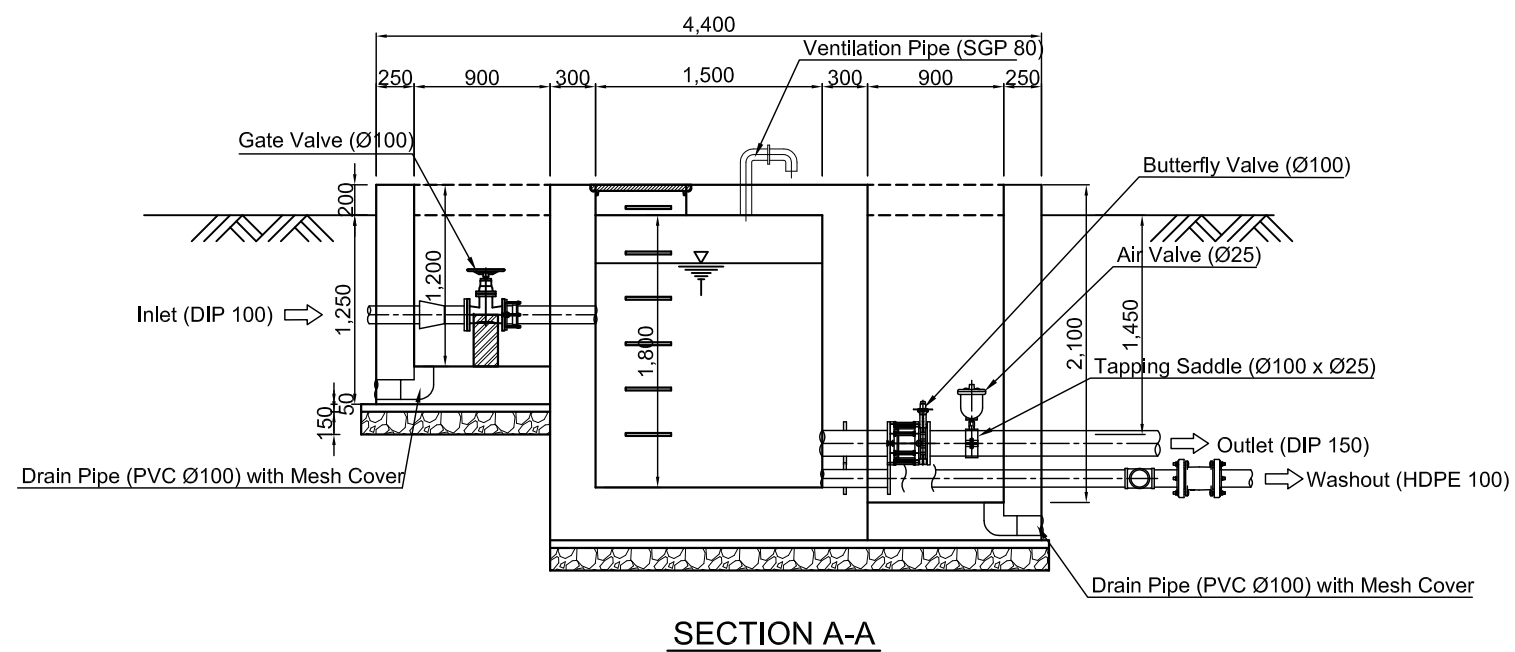
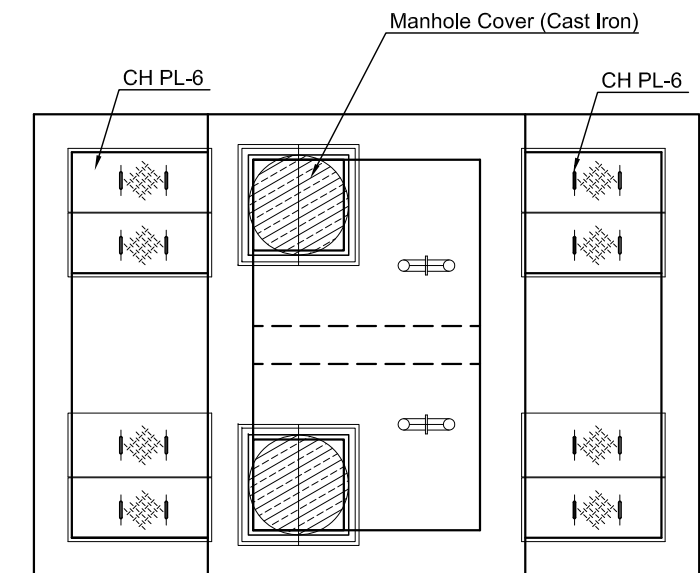
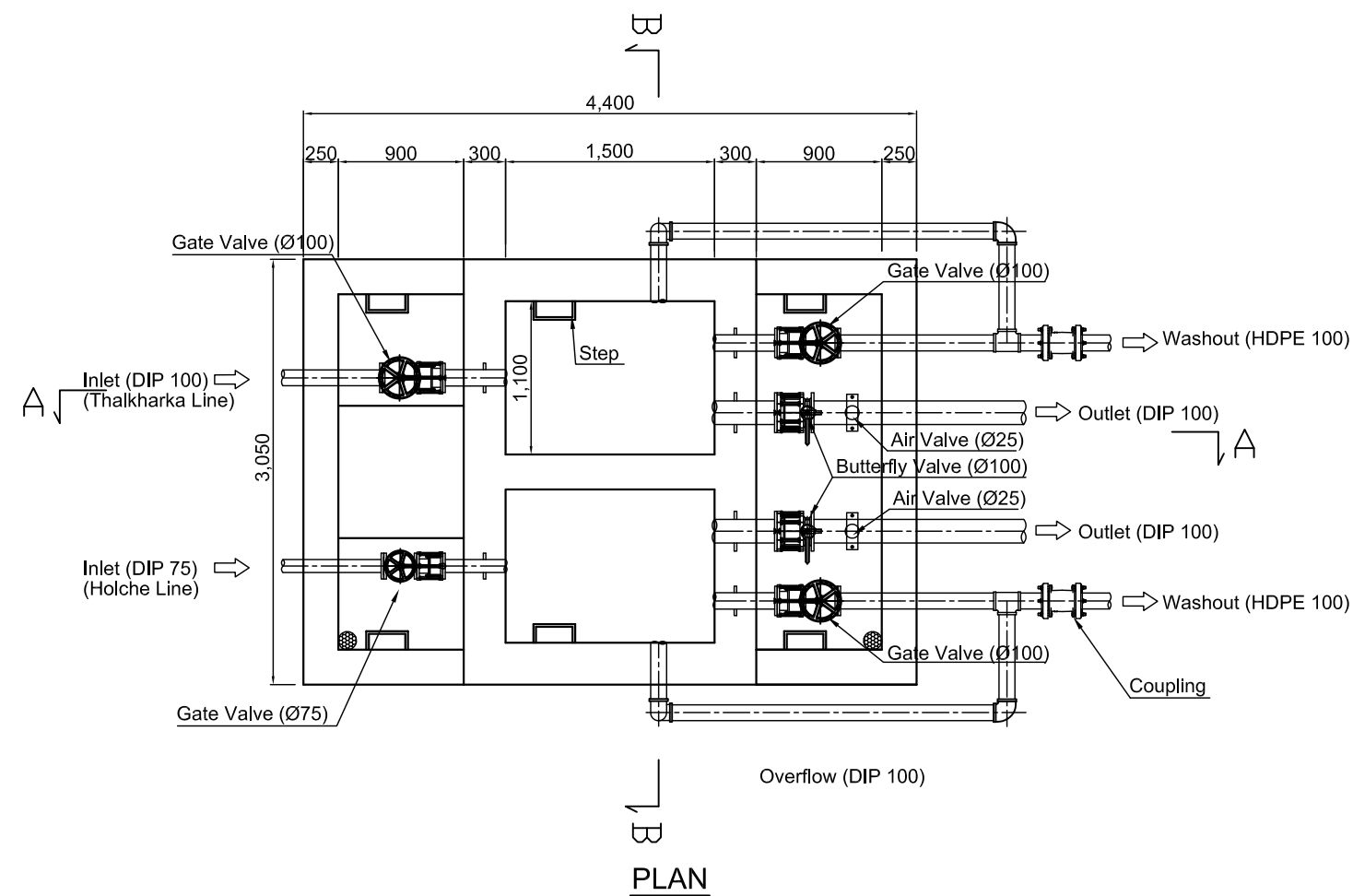
SECTION A-A



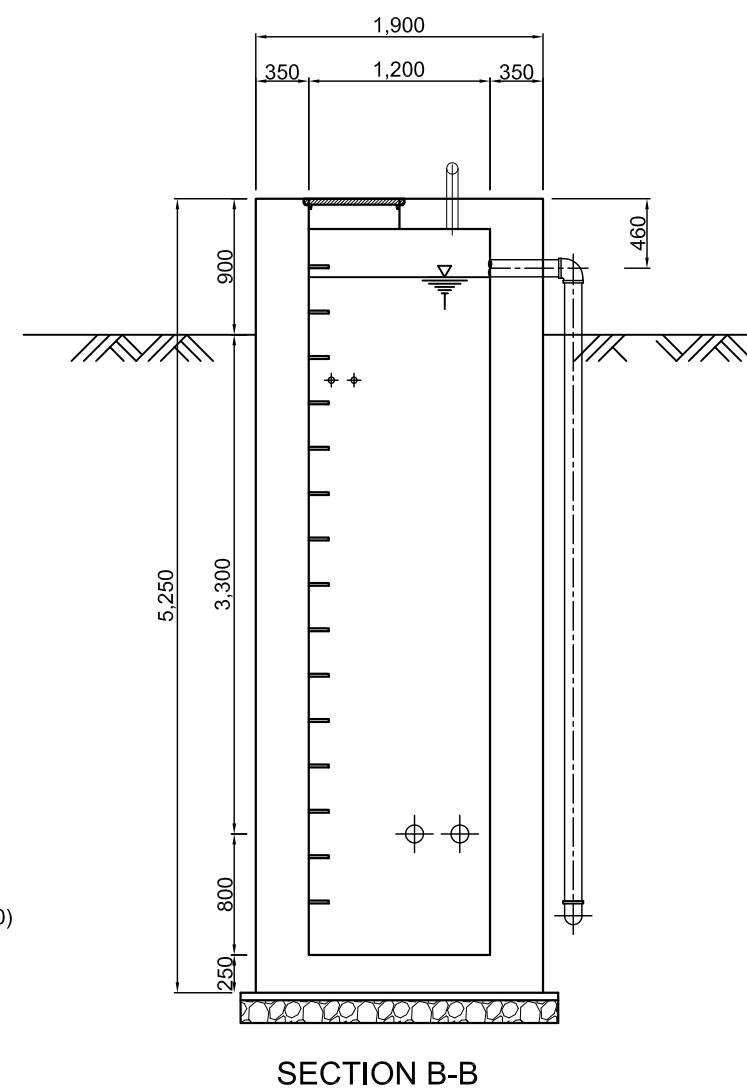
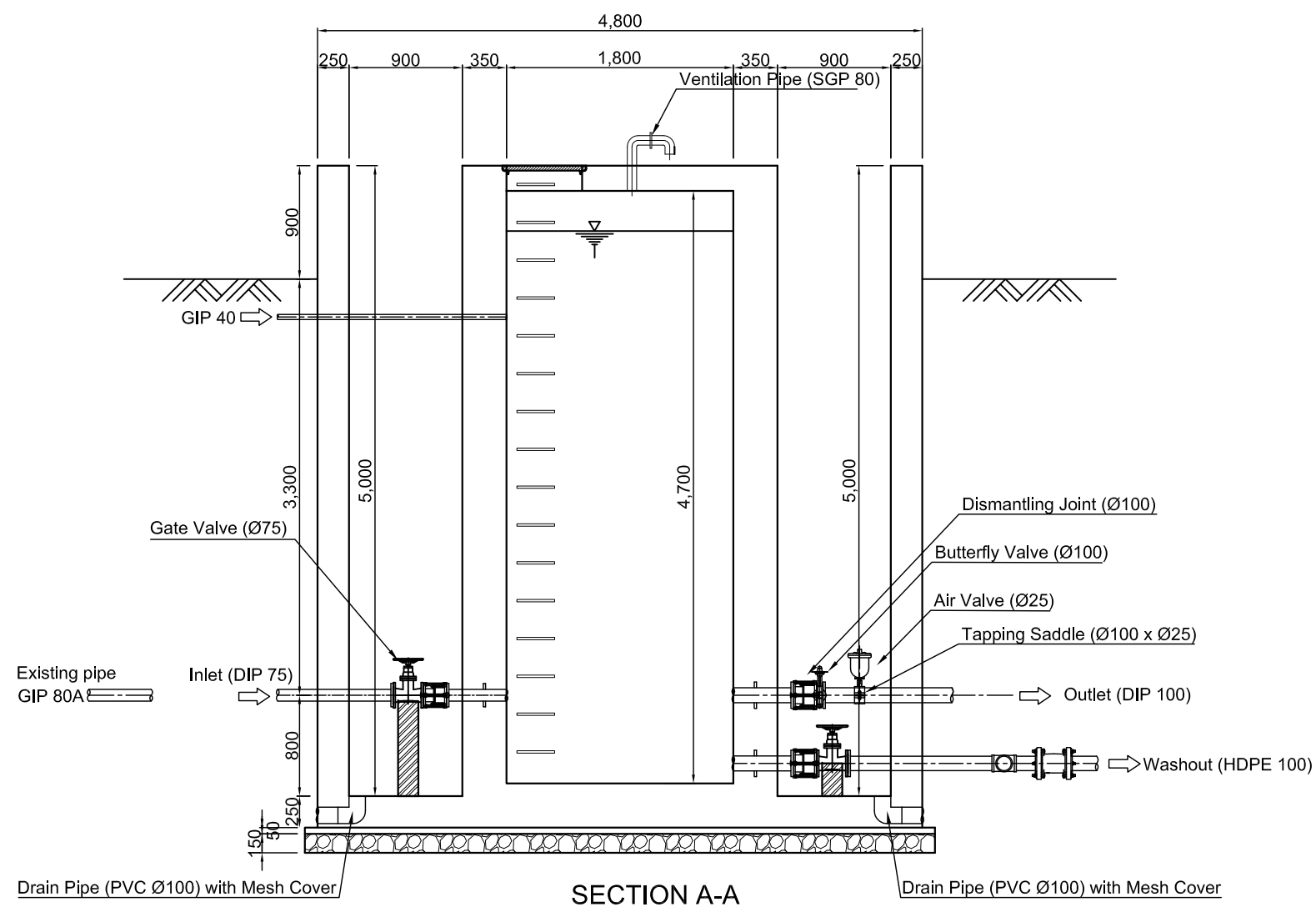
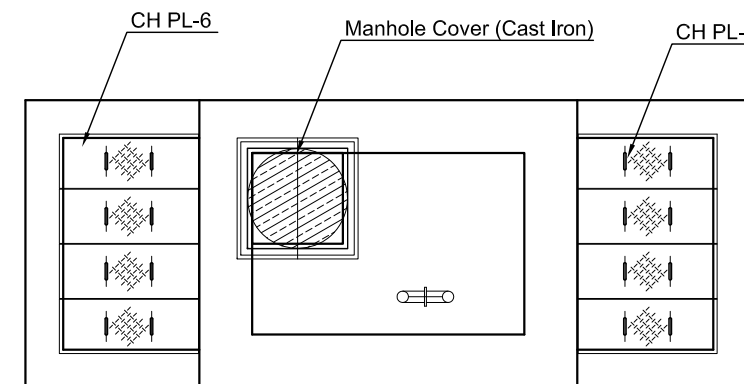
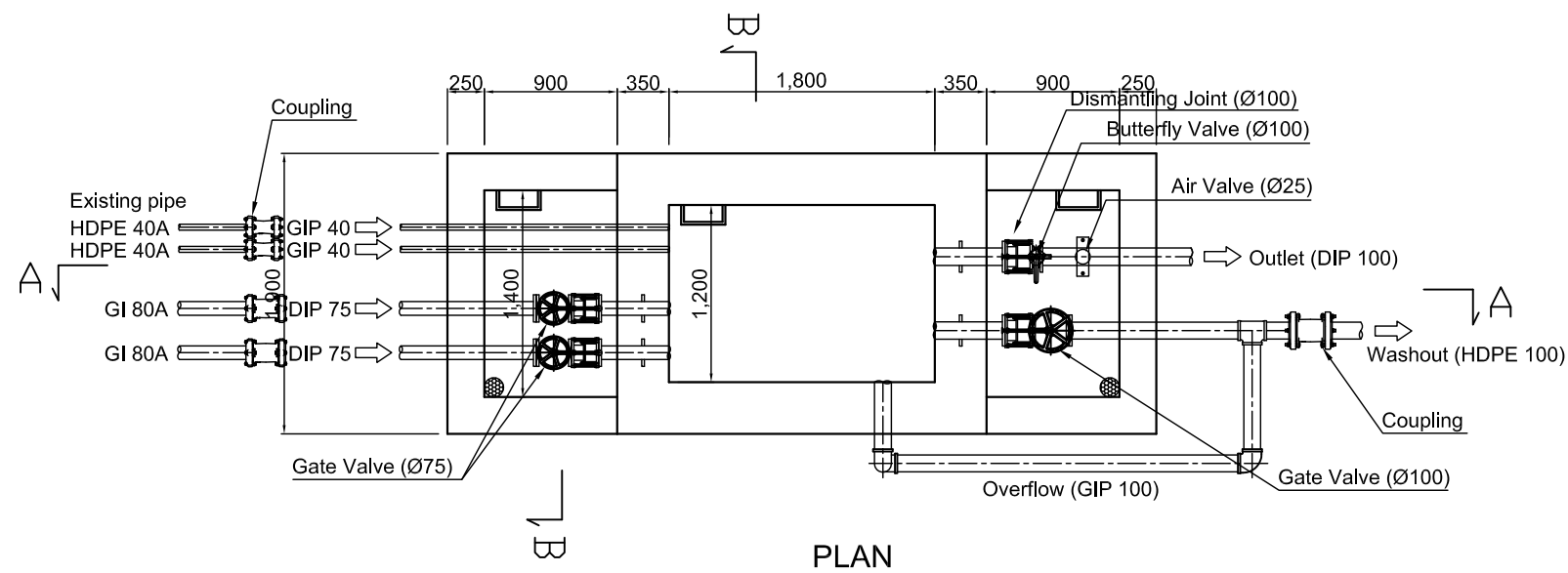
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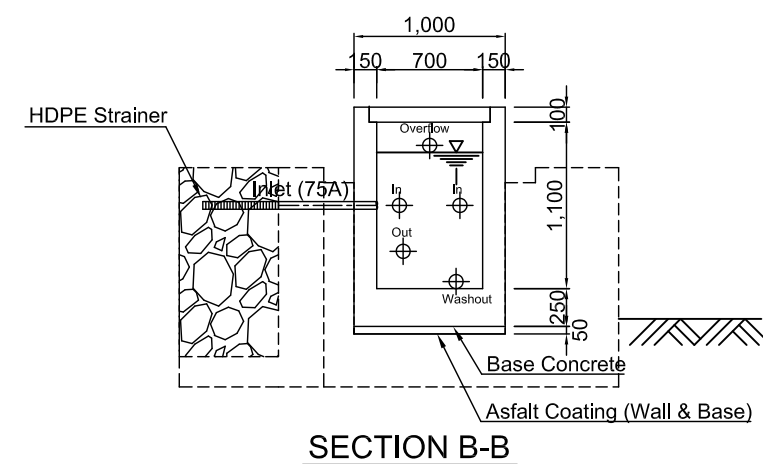
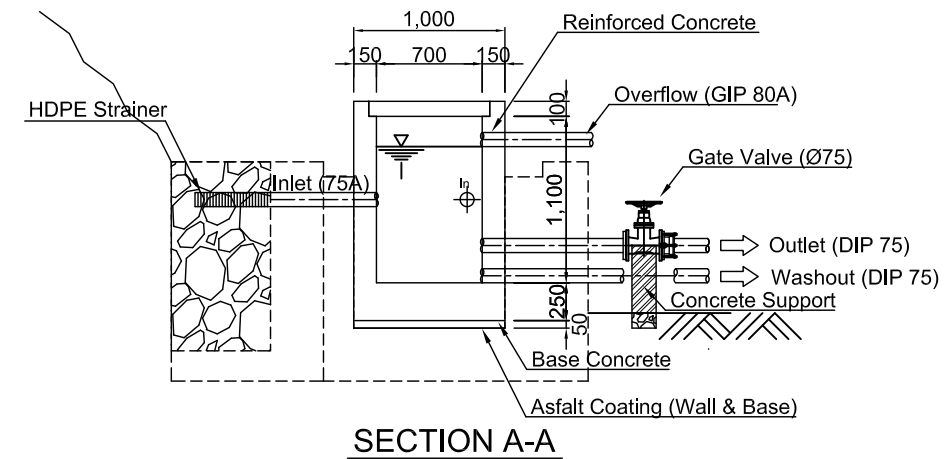
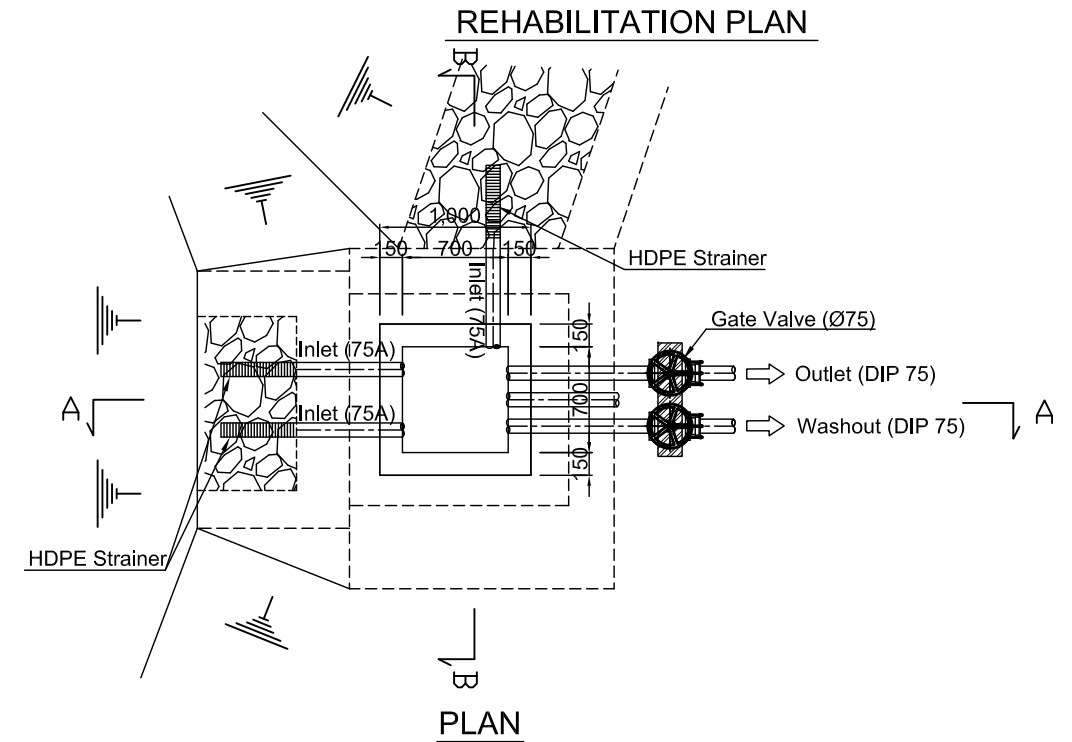
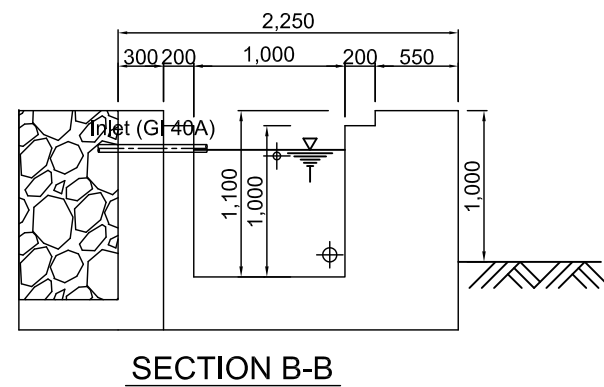
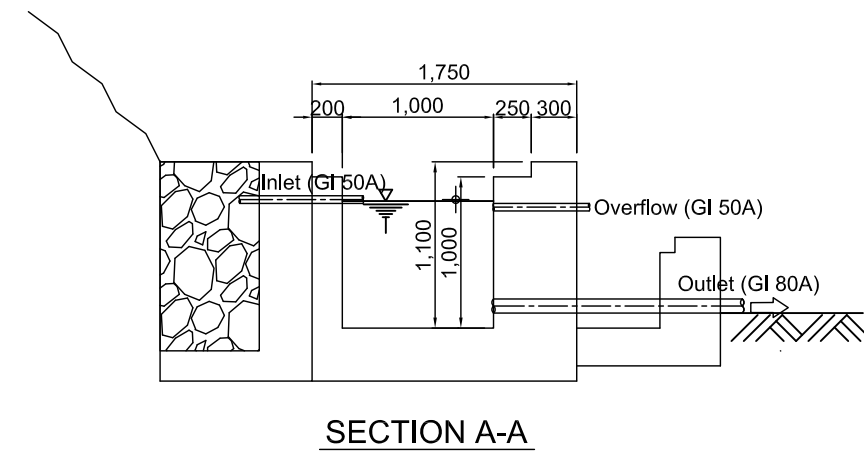
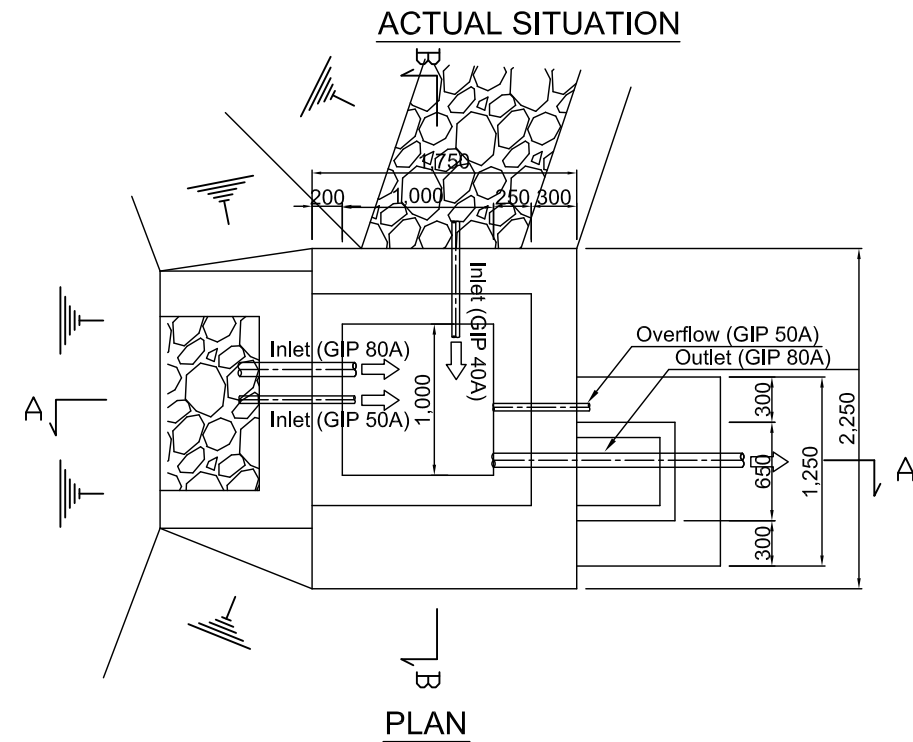
Note: The outlet diameter of the Holche Pressure Breaking Chamber shall be of 75mm.

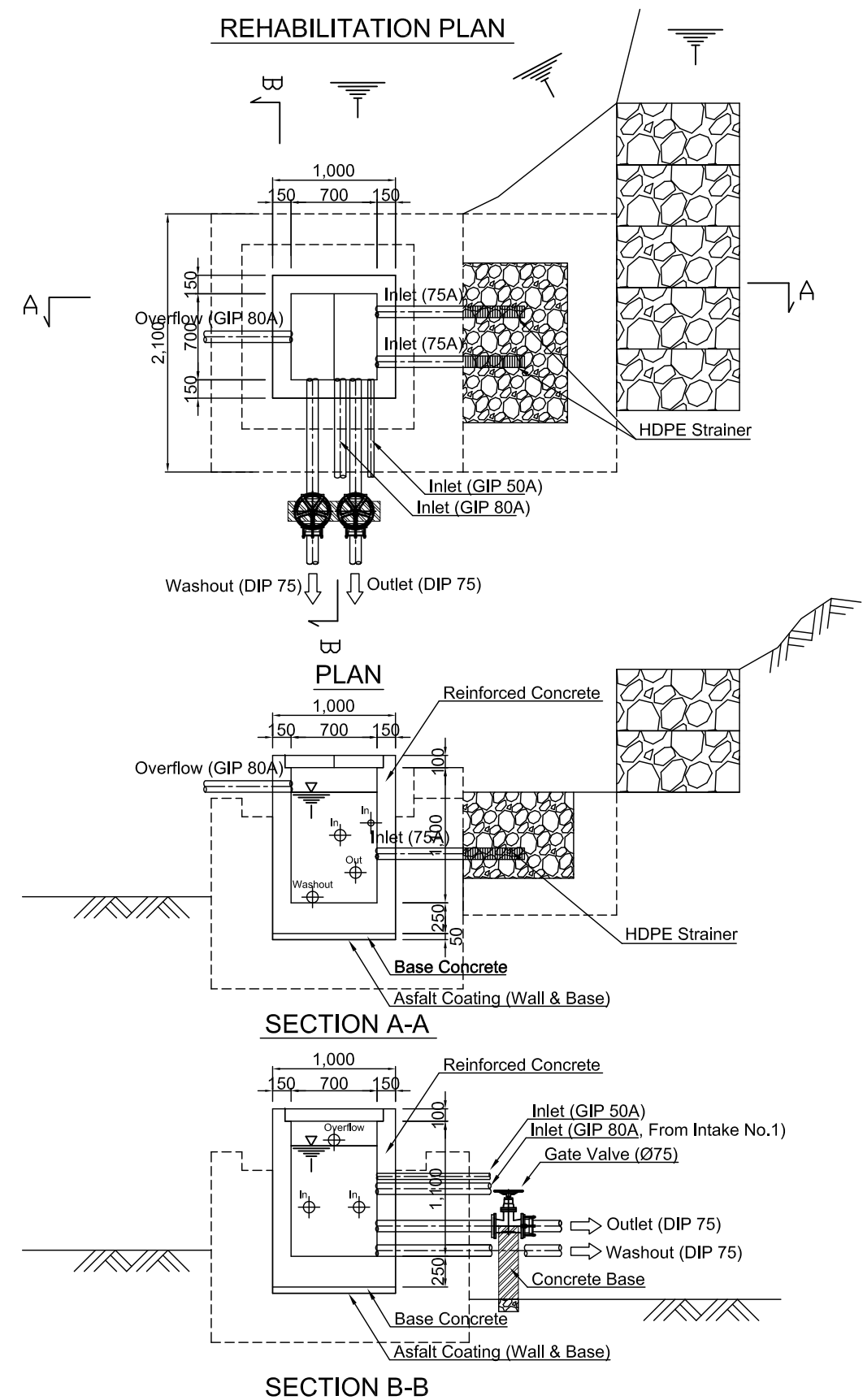
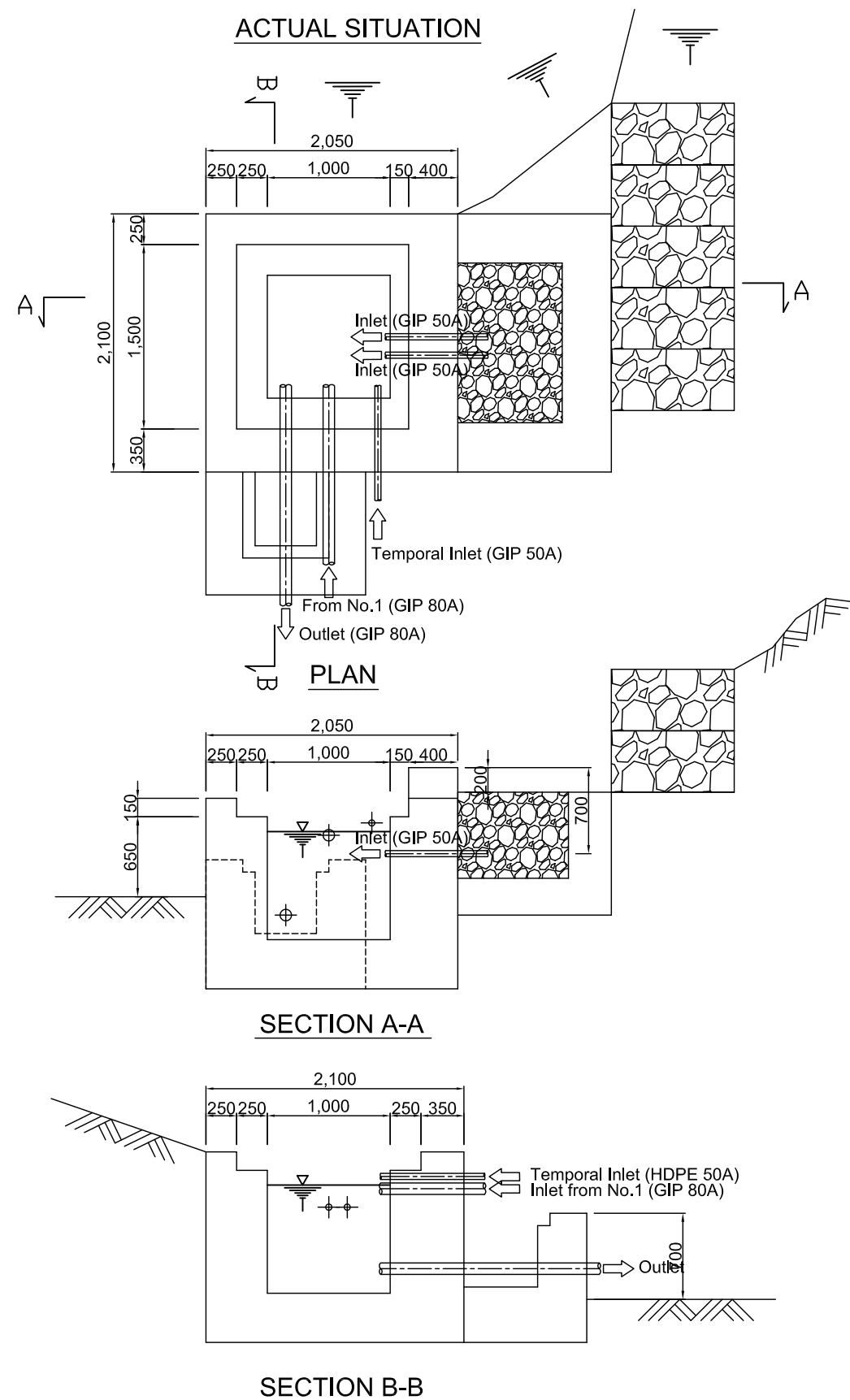




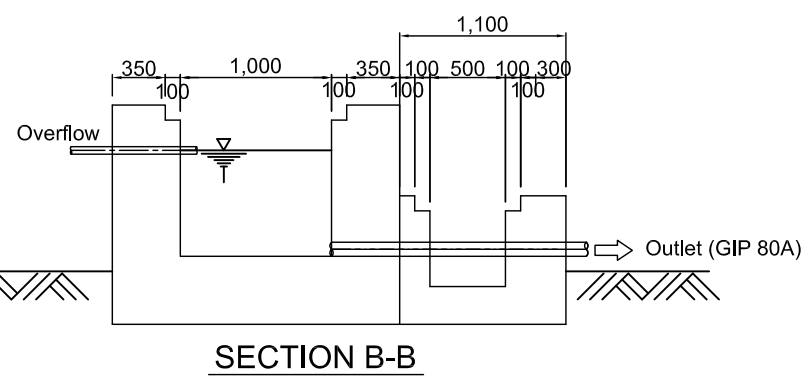
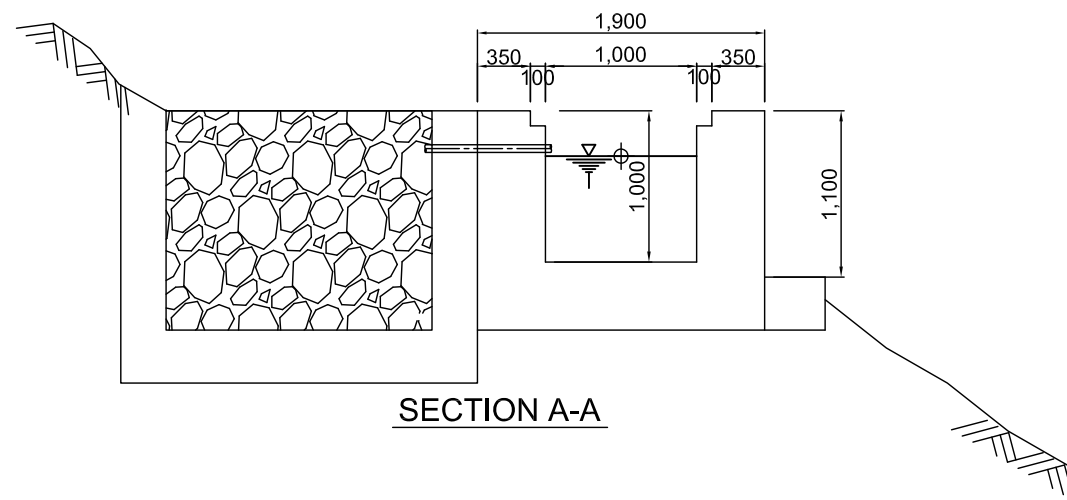
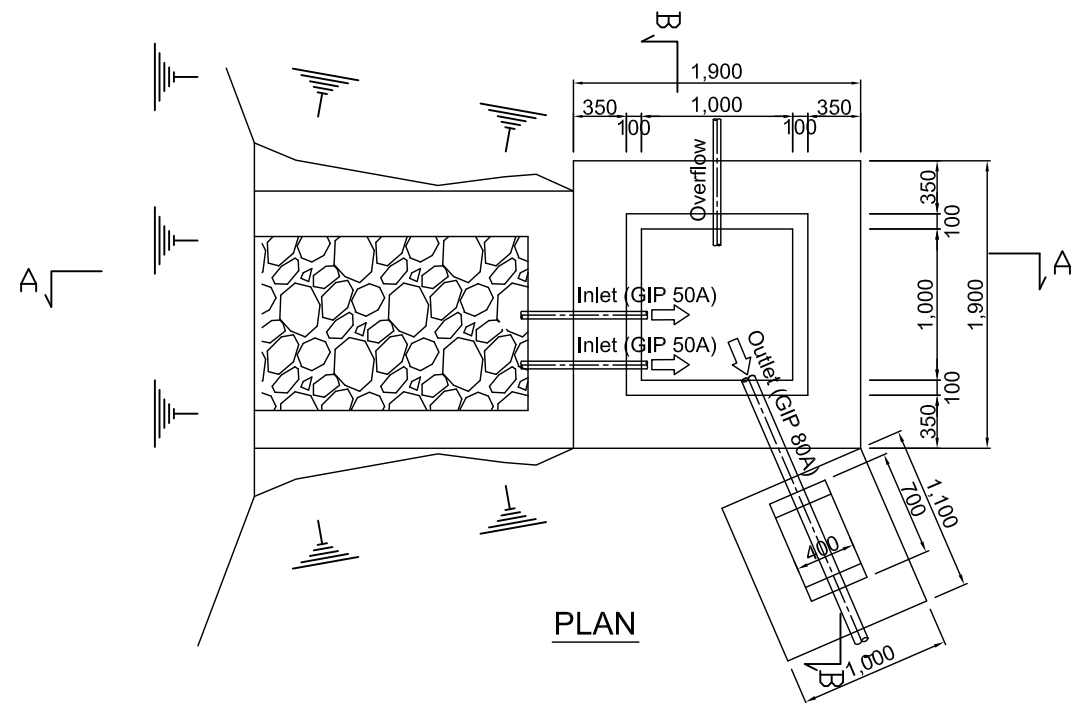
THE PROJECT ON REHABILITATION AND RECOVERY FROM NEPAL EARTHQUAKE IN THE FEDERAL DEMOCRATIC REPUBLIC OF NEPAL		SUB PROJECT PROJECT FOR REHABILITATION OF WATER TRANSMISSION SYSTEM IN CHAUTARA	1/50 DEC. 2015	PRESSURE BREAKING CHAMBER (TYPE-3)	C-8.3
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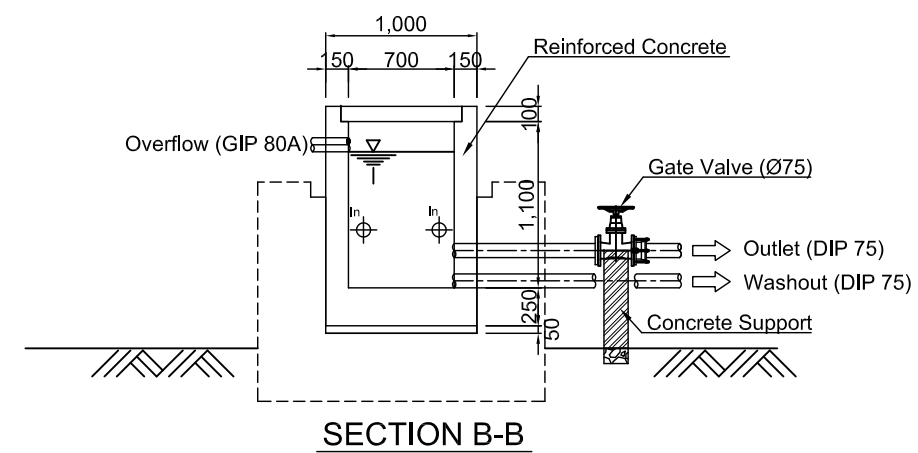
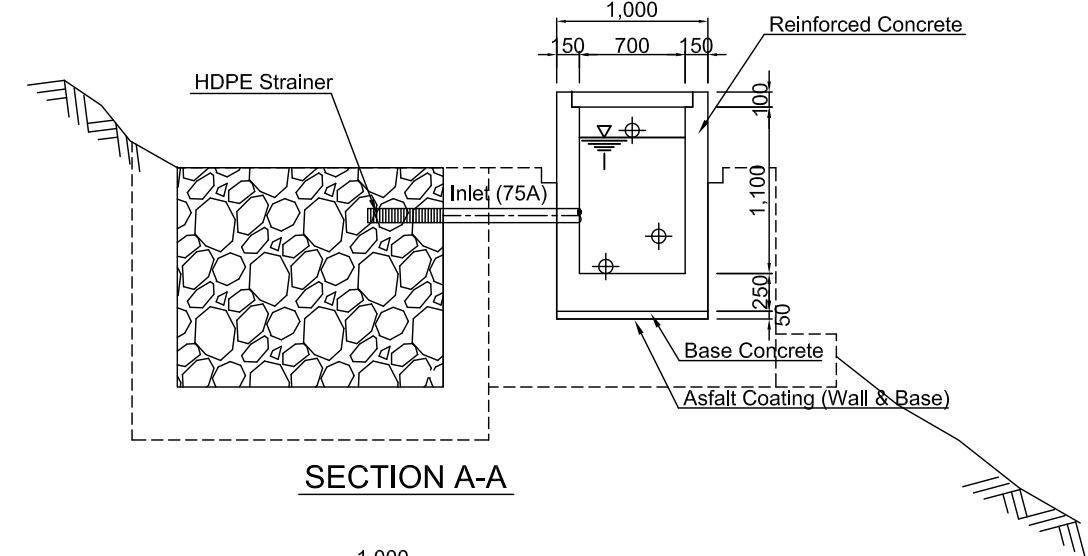
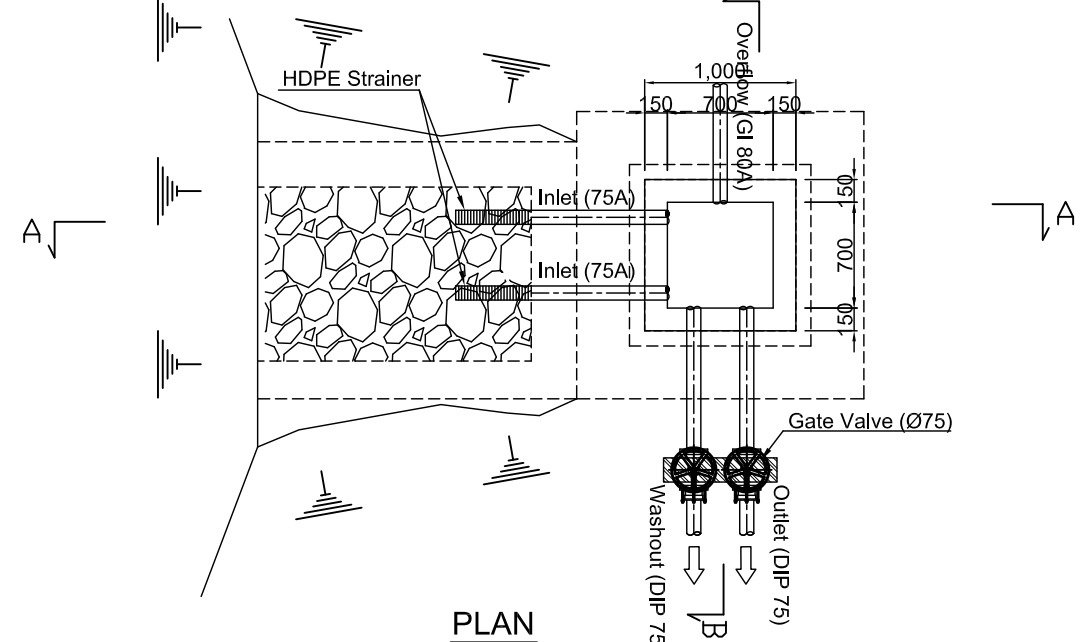


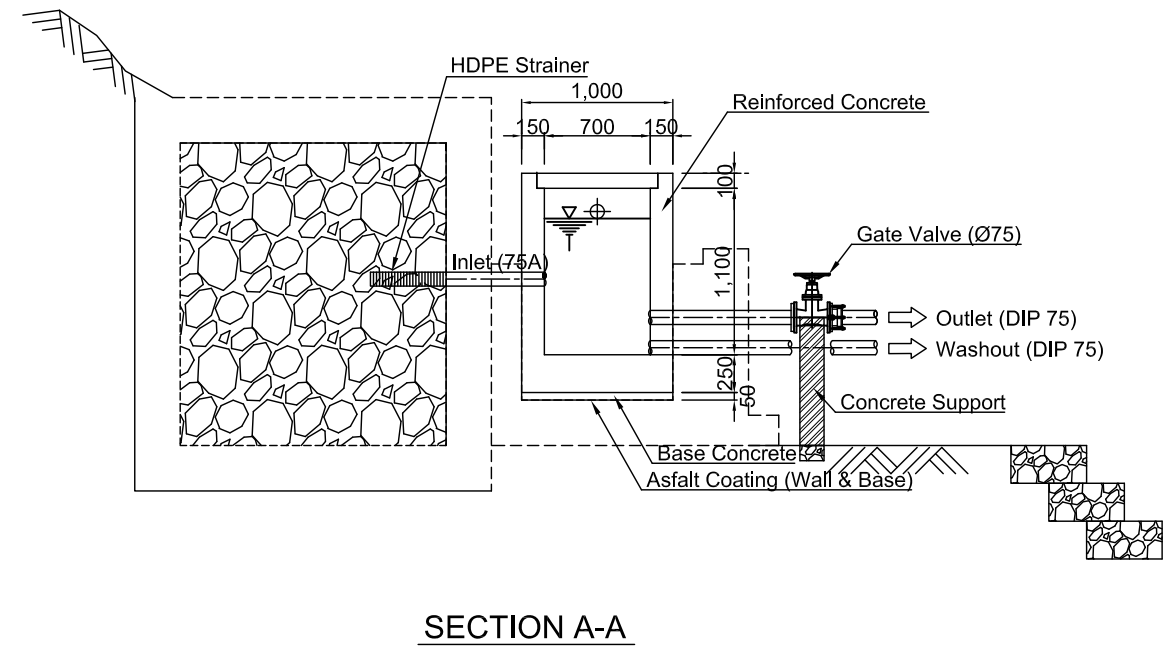
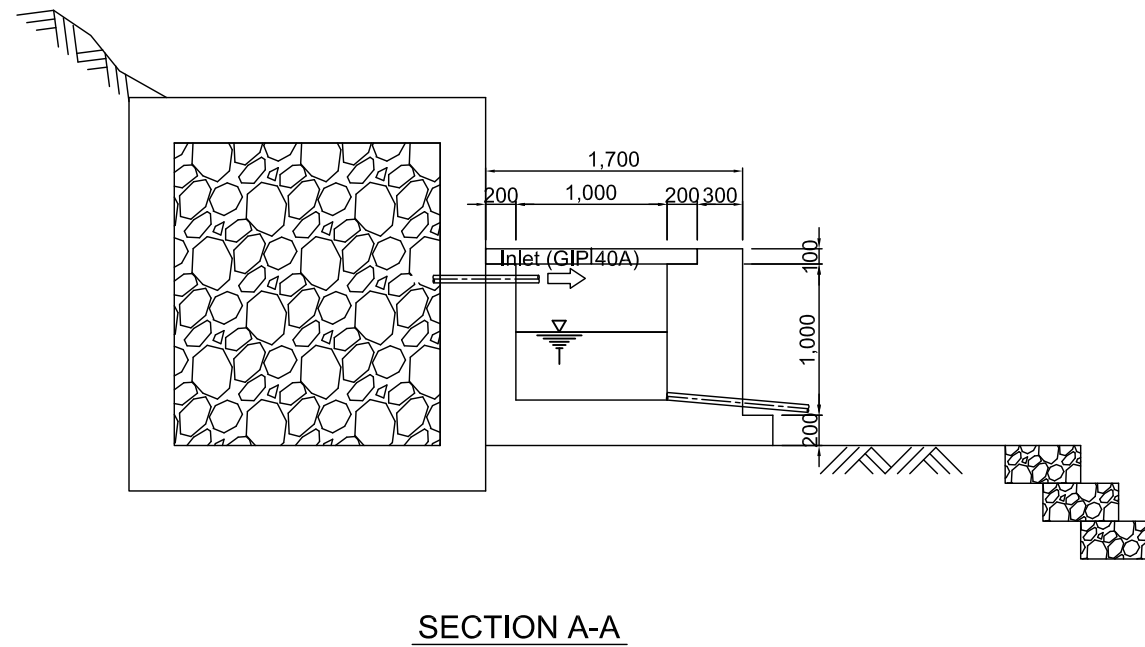
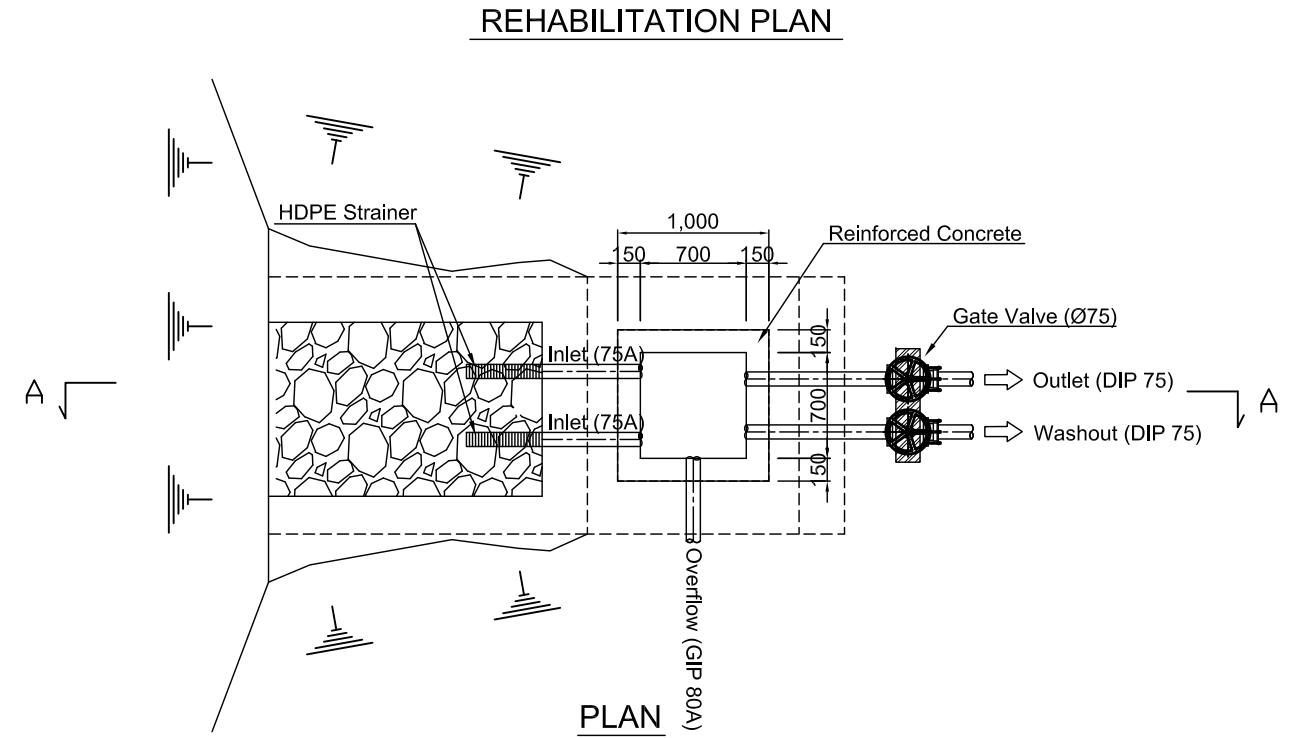
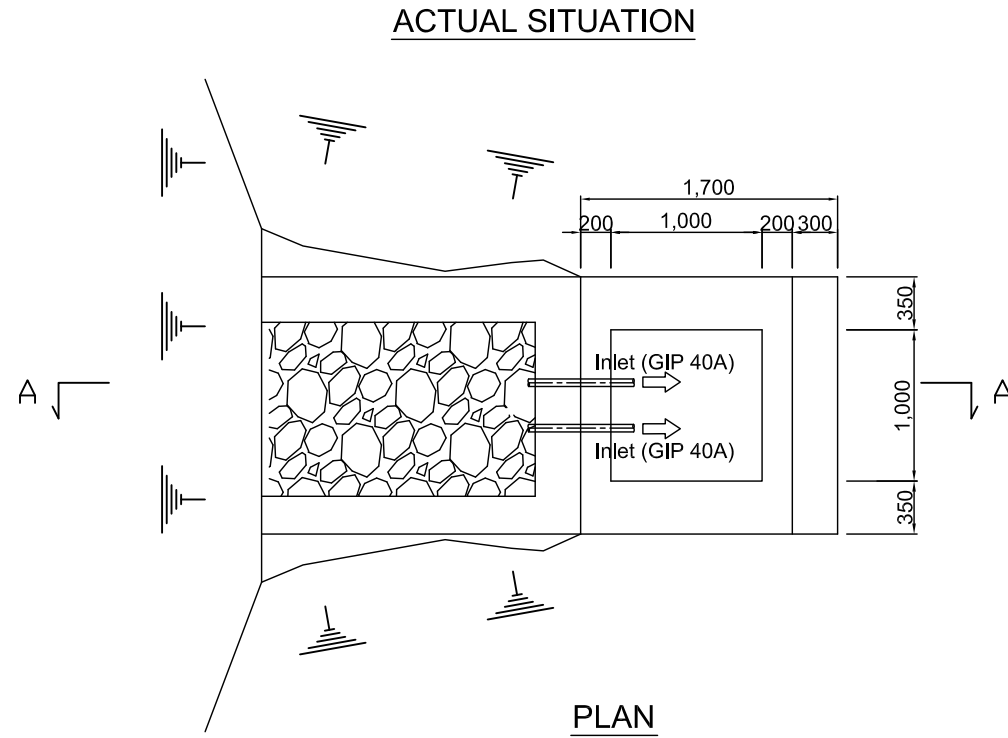


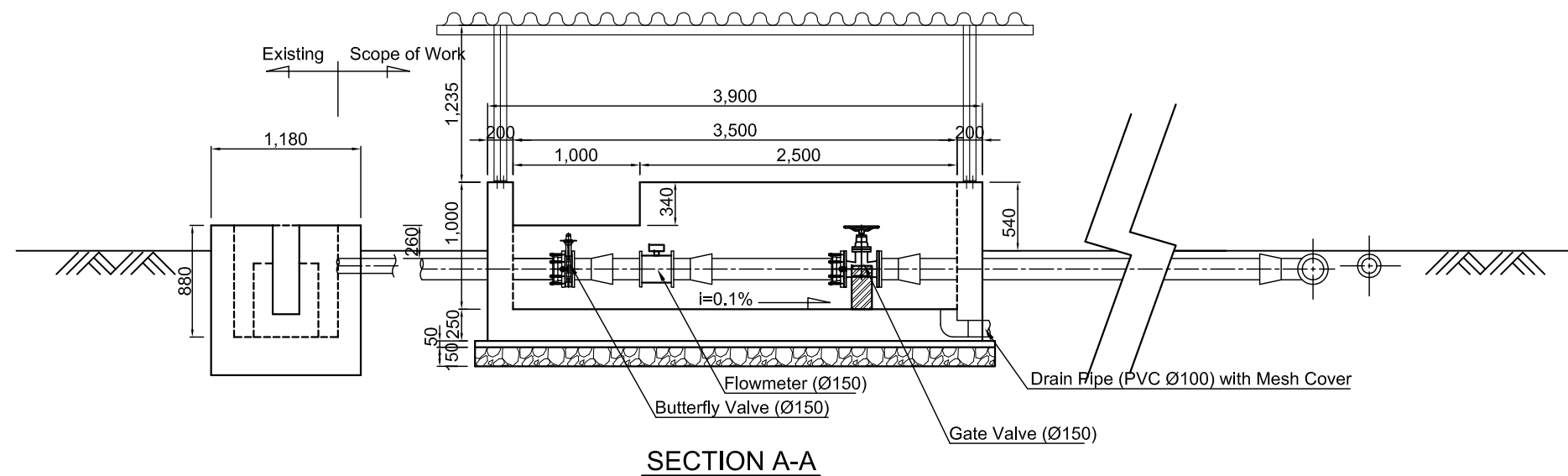
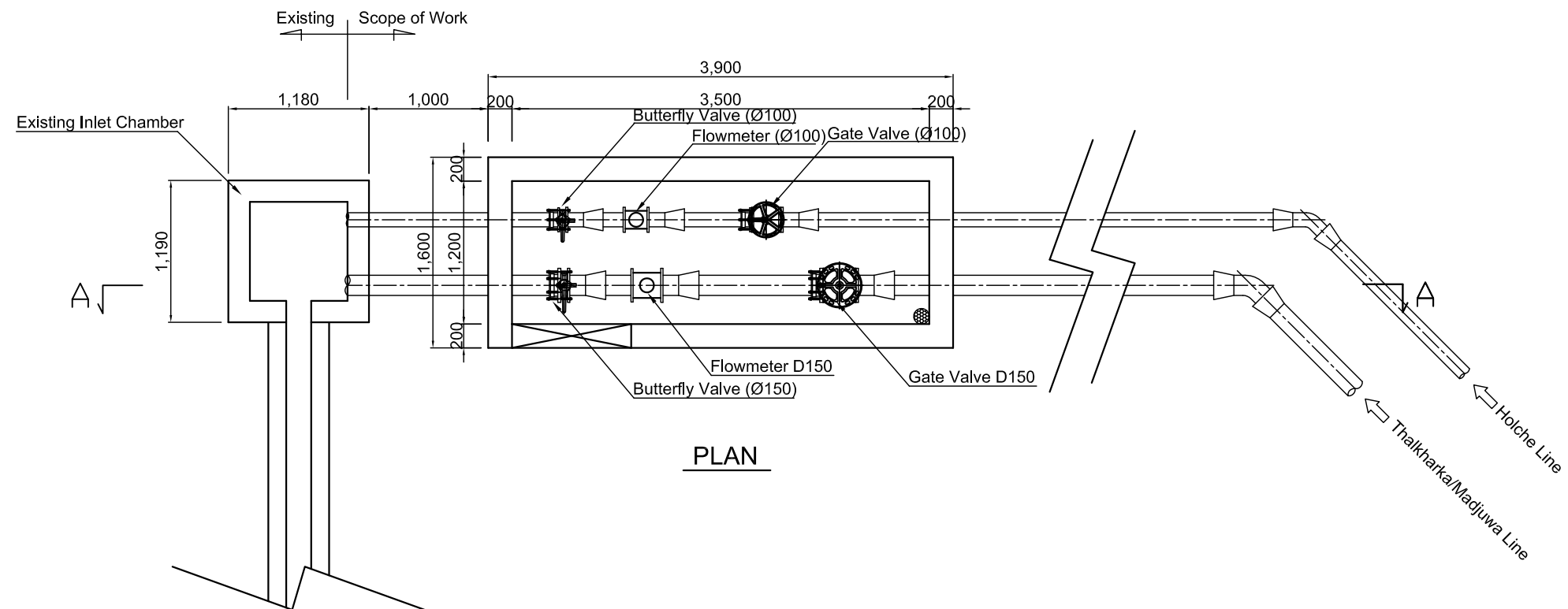
ACTUAL SITUATION



REHABILITATION PLAN

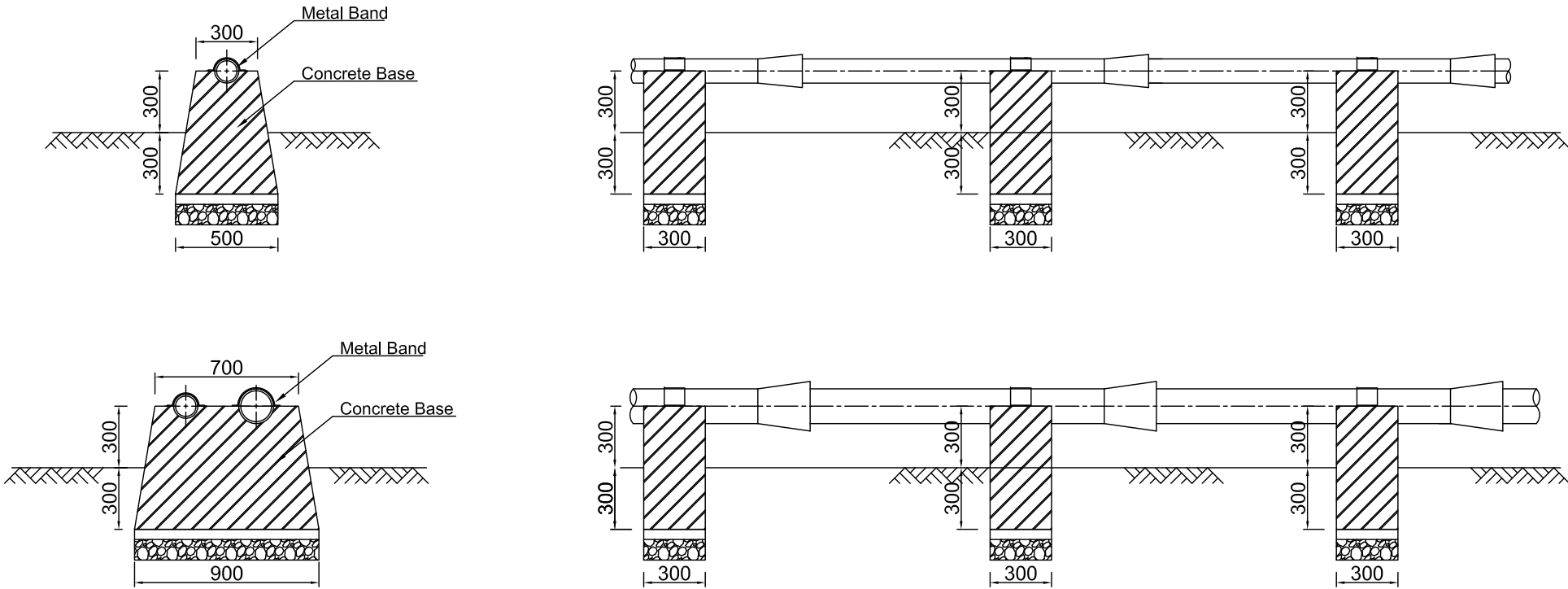




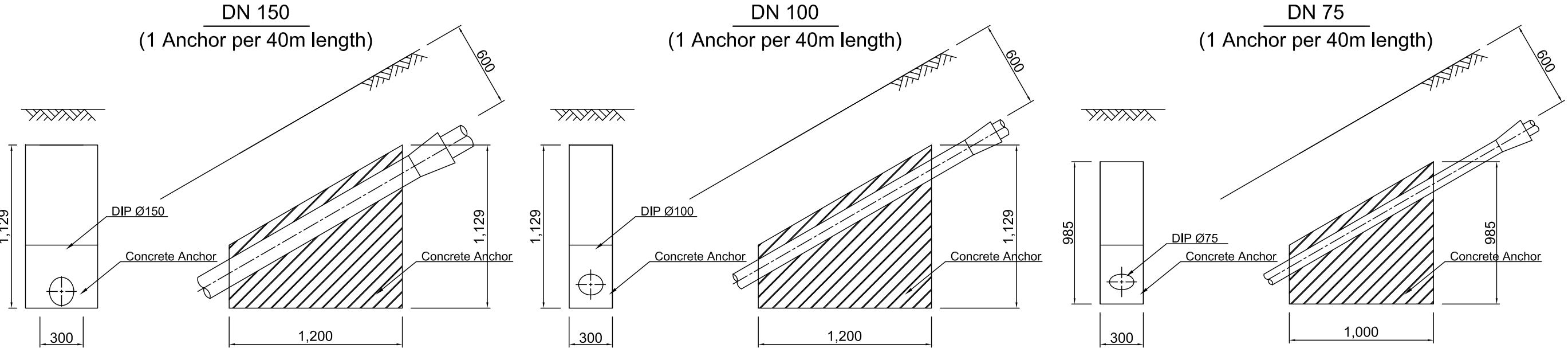


STANDARD SECTION FOR PIPE INSTALLATION

TRAIL ROAD

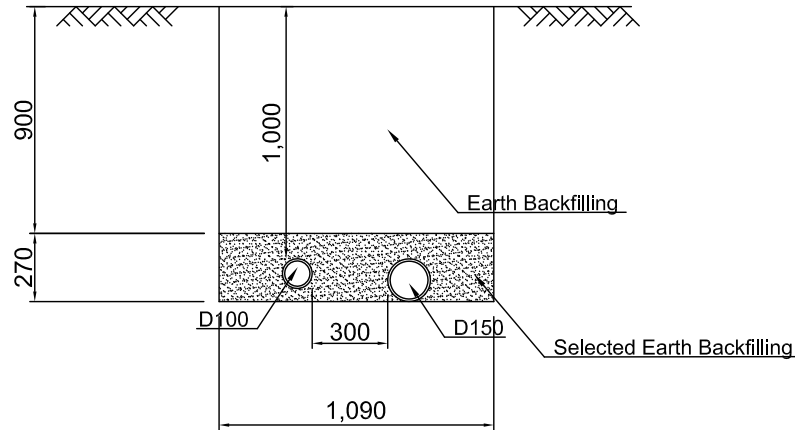
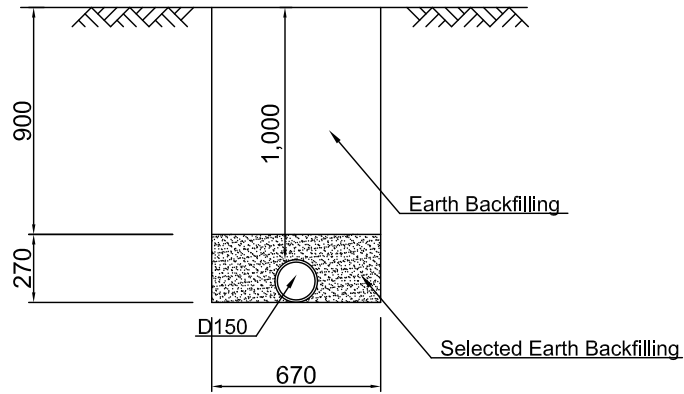
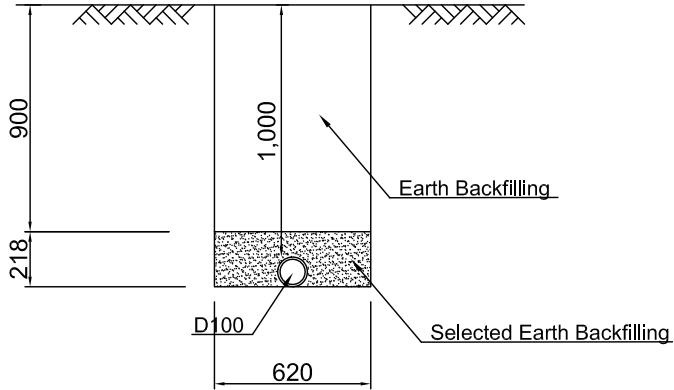


TRAIL ROAD WITH SLOPE ($i > 20^\circ$)

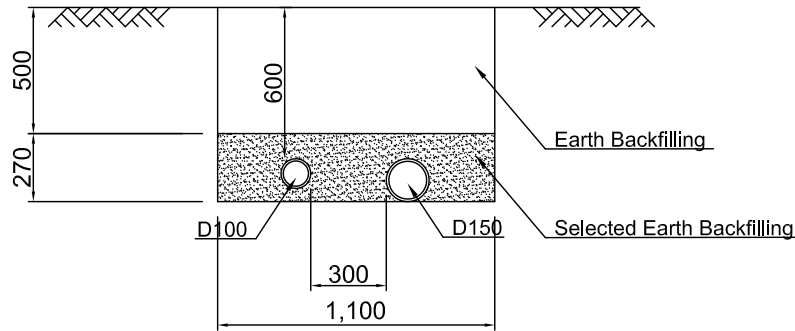
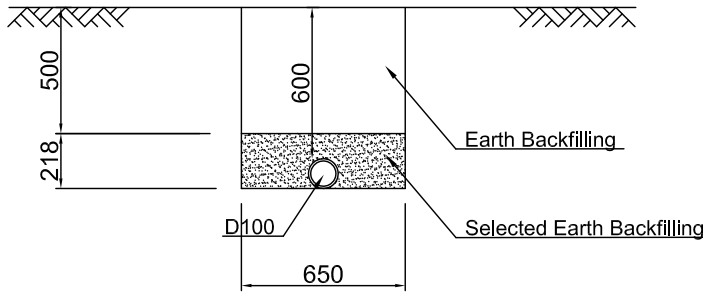
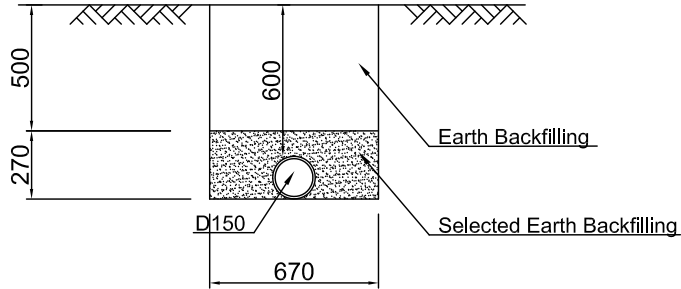
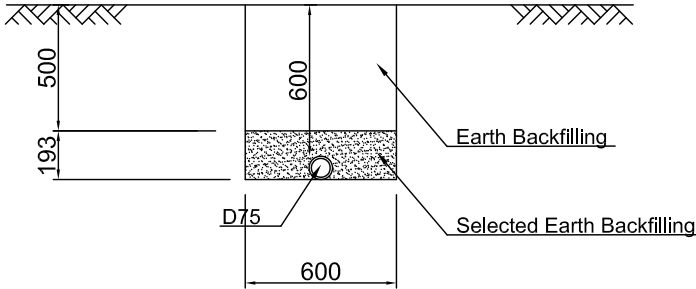


STANDARD SECTION FOR PIPE INSTALLATION

TRAFFIC ROAD

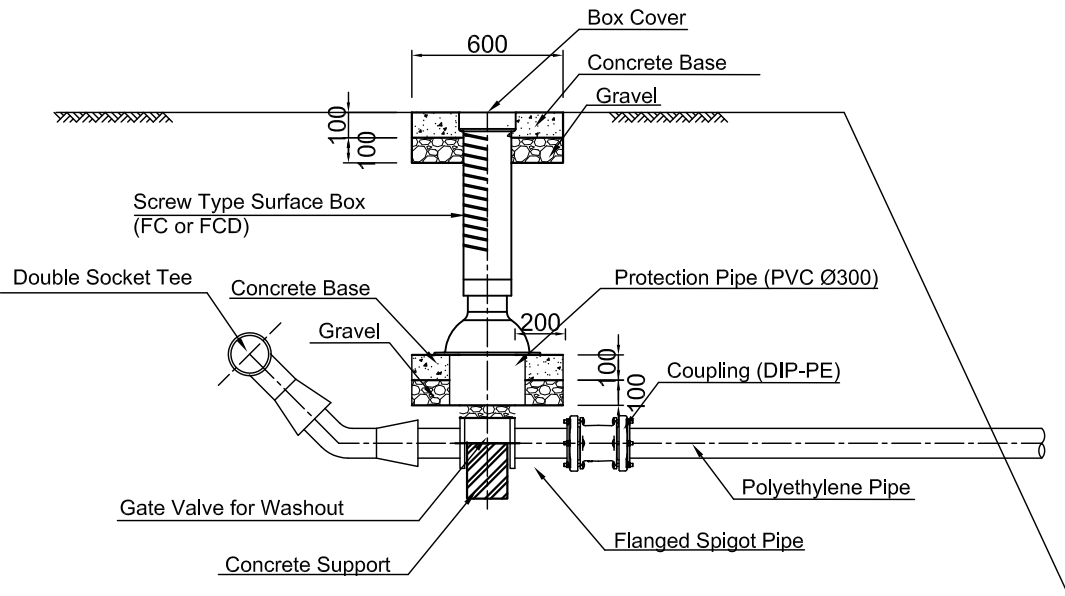


TRAIL ROAD

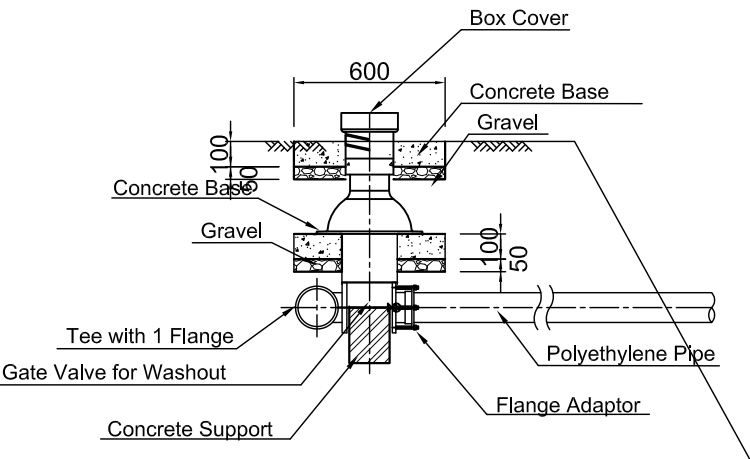


WASHOUT VALVE

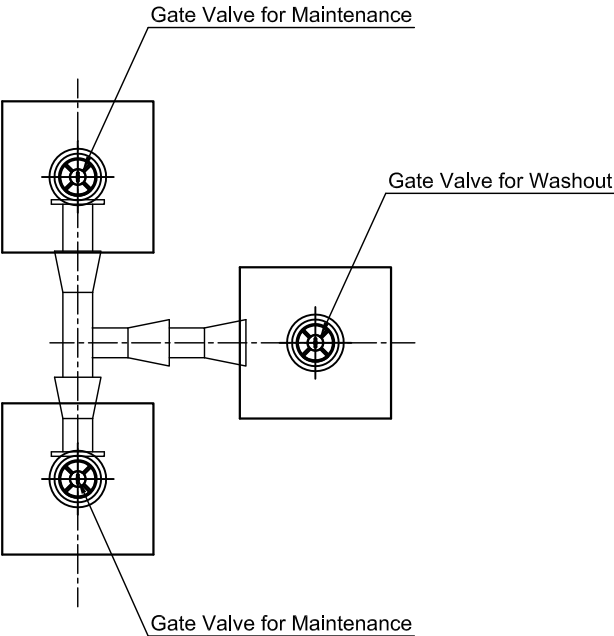
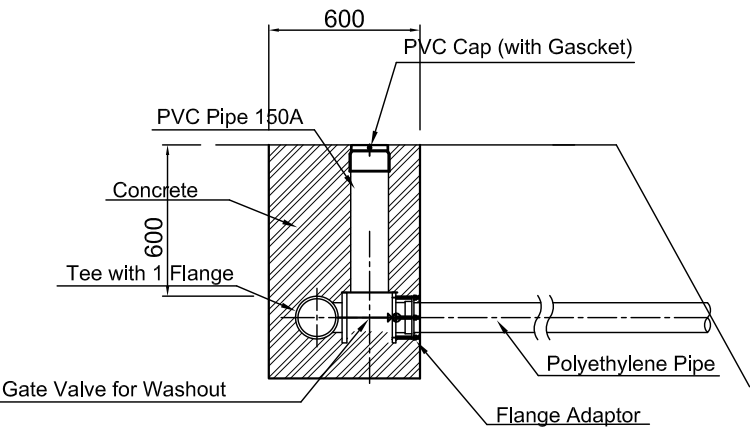
FOR TRAFFIC ROAD



FOR TRAIL ROAD

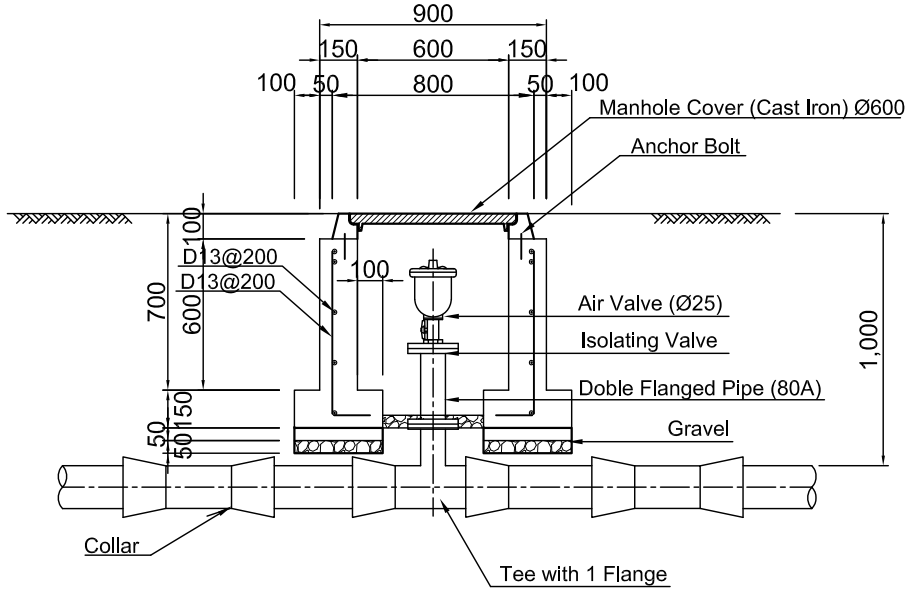


FOR STREAM SECTION

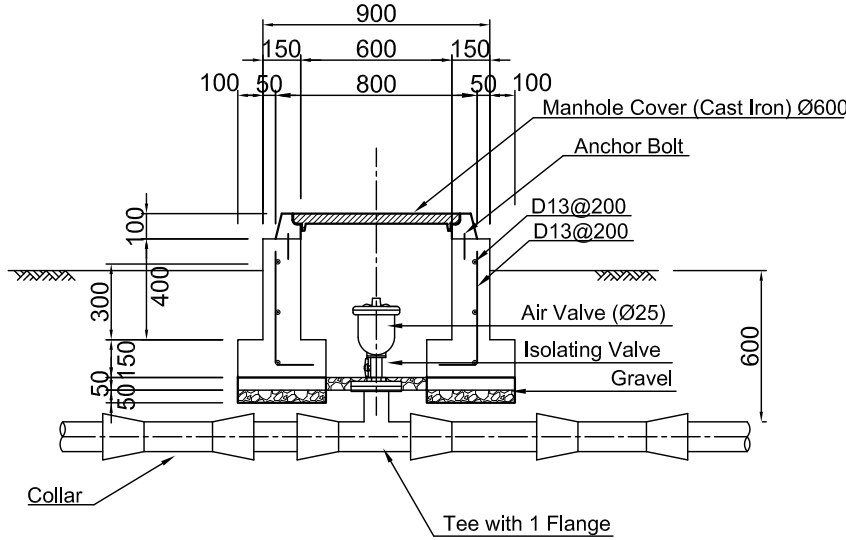


AIR RELIEF VALVE

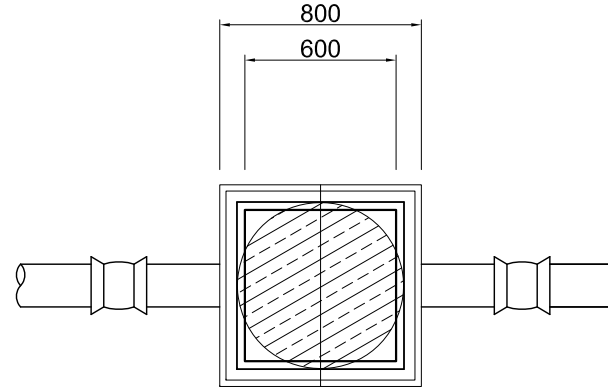
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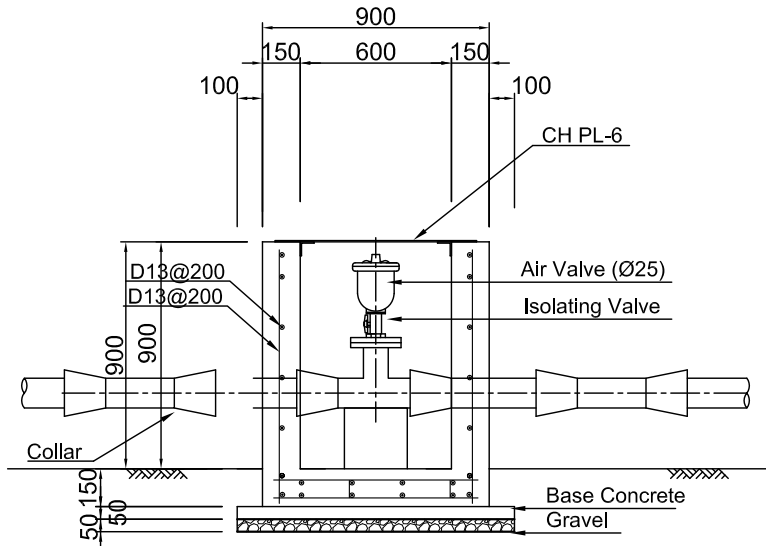
FOR TRAIL ROAD



BOX COVER



FOR GROUND INSTALLATION



BRANCH CONNECTION FOR PUBLIC TAP

