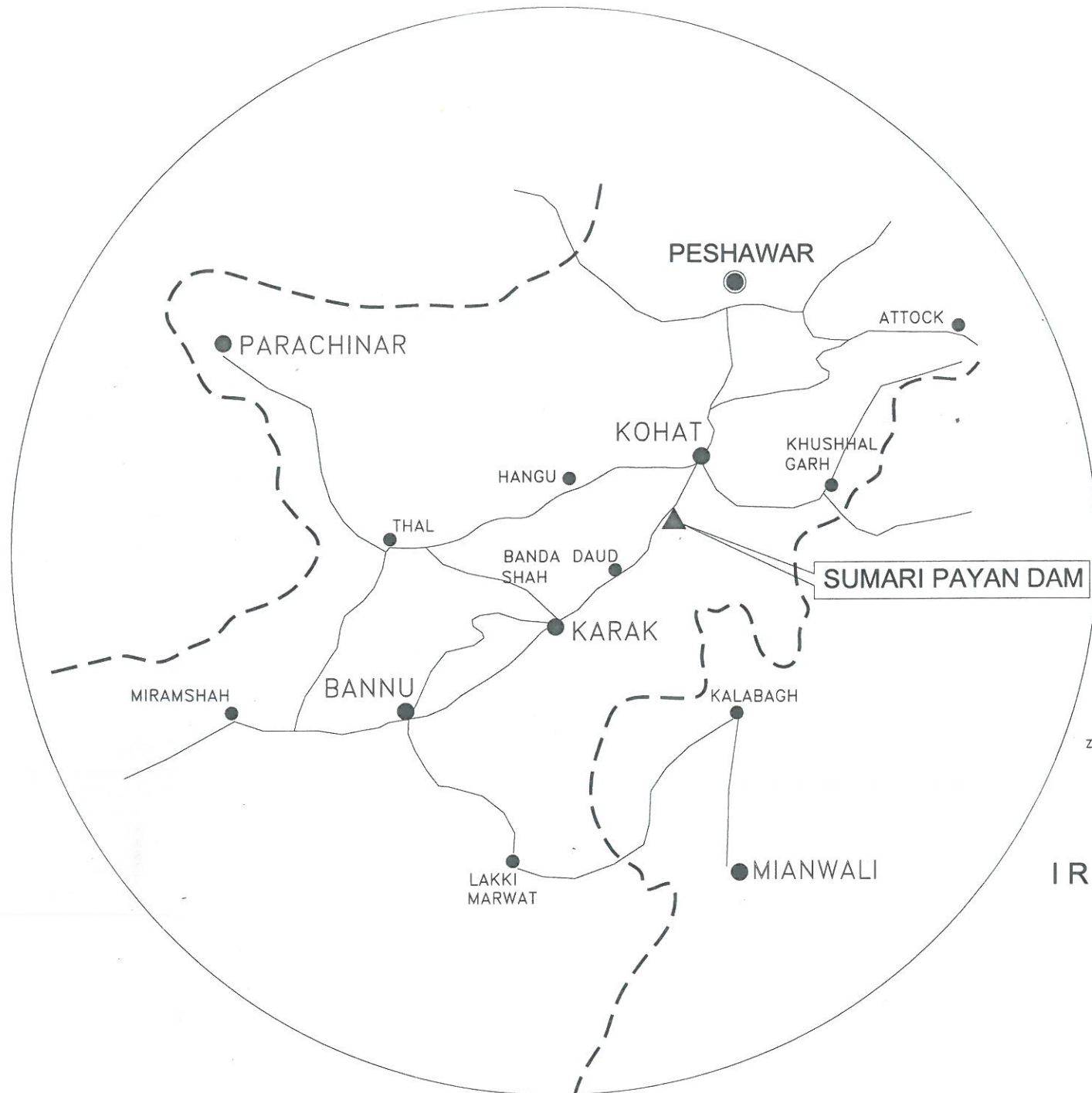


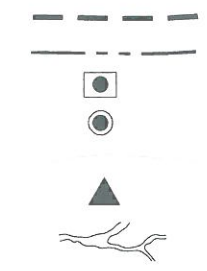


PROJECT VICINITY MAP

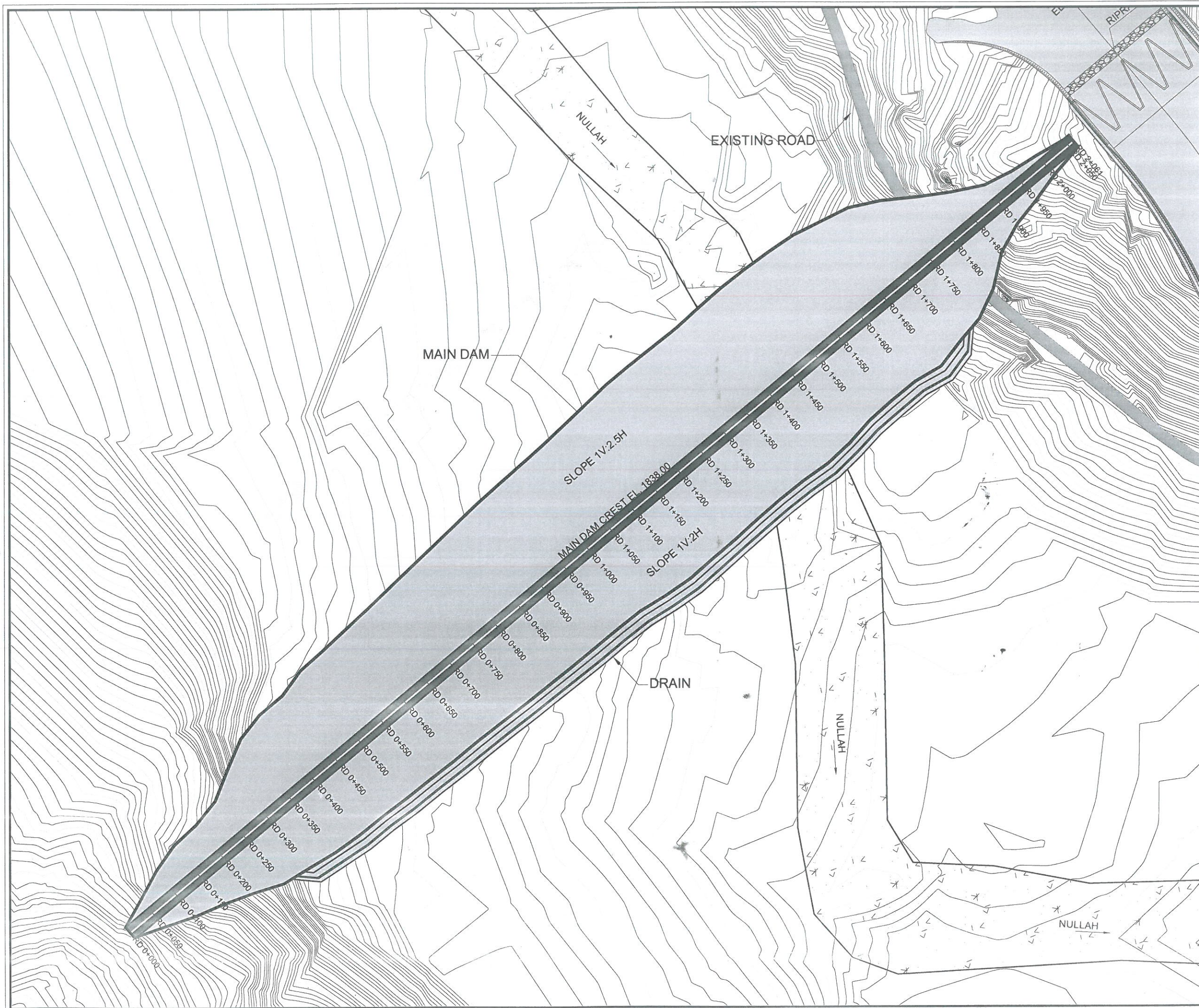


LEGEND

- INTERNATIONAL BOUNDARY
- PROVINCE BOUNDARY
- CAPITAL
- PROVINCE CAPITAL
- ROAD
- DAM SITE
- RIVERS



S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT LOCATION PLAN			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	SAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	M.ANWAR KHAN	DRAWING NO.	
CHECKED:	ASFANDYAR ALI KHAN	SPD-IRRI-1.1	
APPROVED:	SIBT UL HASSAN NAGVI		



NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.

SHEET 1 OF 2

0 45 90 FEET

S NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT DAM LAYOUT PLAN			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
CHECKED BY:	AHMED SHAHZAWAR	REV. No.	
APPROVED BY:	ADNAN MANZOOR	D-03	0

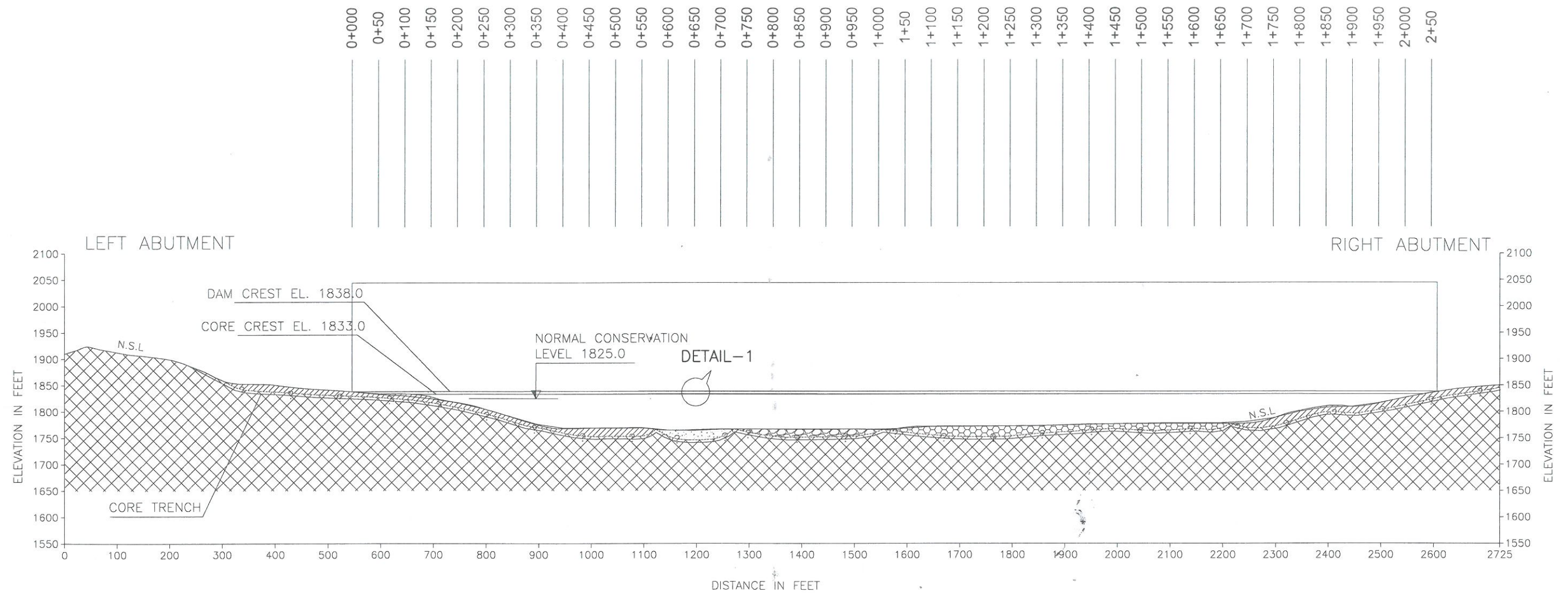
Sr.No	Easting	Northing
1	9991687.214	3361309.401
2	9991737.425	3361327.249
3	9991788.268	3361344.341
4	9991836.186	3361364.941
5	9991886.23	3361382.991
6	9991938.075	3361398.879
7	9991981.057	3361425.402
8	9992024.37	3361451.529
9	9992065.29	3361480.528
10	9992104.25	3361511.879
11	9992144.319	3361541.899
12	9992183.518	3361572.962
13	9992223.041	3361603.637
14	9992261.576	3361635.497
15	9992300.983	3361666.312
16	9992340.623	3361696.846
17	9992379.94	3361727.768
18	9992419.256	3361758.691
19	9992458.117	3361790.161
20	9992496.818	3361821.821
21	9992536.08	3361852.809
22	9992579.217	3361879.148
23	9992620.61	3361907.579
24	9992696.25	3361973.016
25	9992733.113	3362006.882
26	9992770.956	3362039.574
27	9992810.065	3362070.745
28	9992851.109	3362099.595
29	9992887.877	3362133.576
30	9992921.499	3362171.332
31	9992958.696	3362204.798
32	9992997.204	3362236.692
33	9993041.054	3362262.173
34	9993072.411	3362302.648
35	9993105.401	3362341.163
36	9993128.857	3362391.117

Sr.No	Easting	Northing
37	9993143.176	3362452.038
38	9993169.212	3362498.897
39	9993201.099	3362538.735
40	9993231.184	3362580.737
41	9993264.282	3362619.122
42	9993271.771	3362627.676
43	9993255.766	3362646.882
44	9993247.12	3362639.716
45	9993203.079	3362614.462
46	9993160.309	3362587.684
47	9993114.377	3362564.7
48	9993058.92	3362553.146
49	9993000.649	3362544.969
50	9992940.654	3362538.861
51	9992885.373	3362527.097
52	9992839.267	3362504.321
53	9992793.162	3362481.545
54	9992751.531	3362453.4
55	9992711.091	3362423.825
56	9992671.604	3362393.108
57	9992634.108	3362359.999
58	9992597.051	3362326.366
59	9992557.744	3362295.432
60	9992518.506	3362264.415
61	9992479.781	3362232.783
62	9992443.401	3362198.336
63	9992407.127	3362163.762
64	9992370.429	3362129.697
65	9992332.984	3362096.529
66	9992295.523	3362063.379
67	9992258.259	3362029.993
68	9992222.097	3361995.286
69	9992185.888	3361960.634
70	9992149.615	3361926.059
71	9992113.417	3361891.394
72	9992077.03	3361856.956

Sr.No	Easting	Northing
72	9992077.03	3361856.956
73	9992040.243	3361822.998
74	9992003.544	3361788.934
75	9991966.161	3361755.691
76	9991935.863	3361713.946
77	9991897.452	3361681.937
78	9991865.703	3361641.933
79	9991843.492	3361590.483
80	9991822.419	3361537.668
81	9991790.368	3361498.027
82	9991753.559	3361464.095
83	9991724.048	3361421.405
84	9991698.437	3361374.036
85	9991672.276	3361327.326

SHEET 2 OF 2

S NO		DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA				
SMALL DAM PROJECT				
SUMARI PAYAN DAM PROJECT DAM CORDINATES				
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.				
DRAFTER: DESIGNED: CHECKED: APPROVED:	FAROOQ ALI AHMED SHAHZAWAR ASHFAQ ALI ADNAN MANZOOR	DATE: DEC-2023 DRAWING NO. D-03	REV. No. 0	



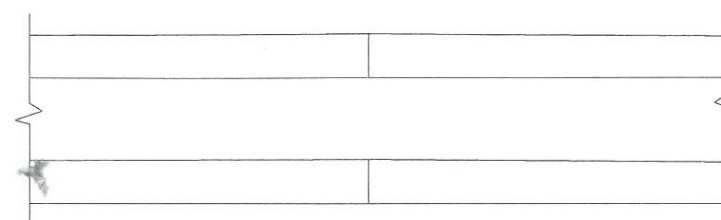
LEGEND

- STREAM BED DEPOSITS:
- CULTIVATED LAND:
- TALLUS AND SCREE:
- SHALE: (UPPER SURFACE WEATHERED)
- ALLUVIAL DEPOSIT:

NOTES

1. ALL LEVELS AND DIMENSIONS ARE IN FEET
2. FOR DEATILS OF X-SECTIONS SEE DRAWING NO. 5.2 AND 5.4
3. FOR GEOLOGICAL DETAILS SEE DRAWING NO. 3.4

0 200 400 FEET



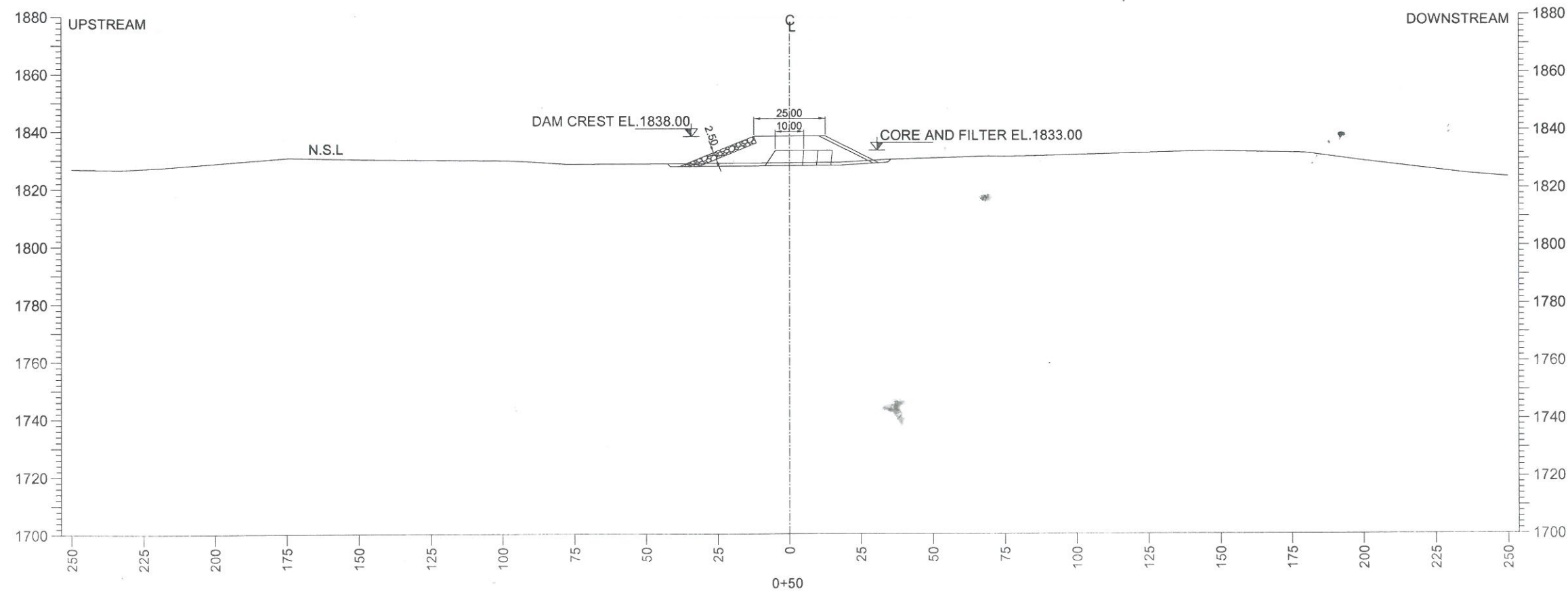
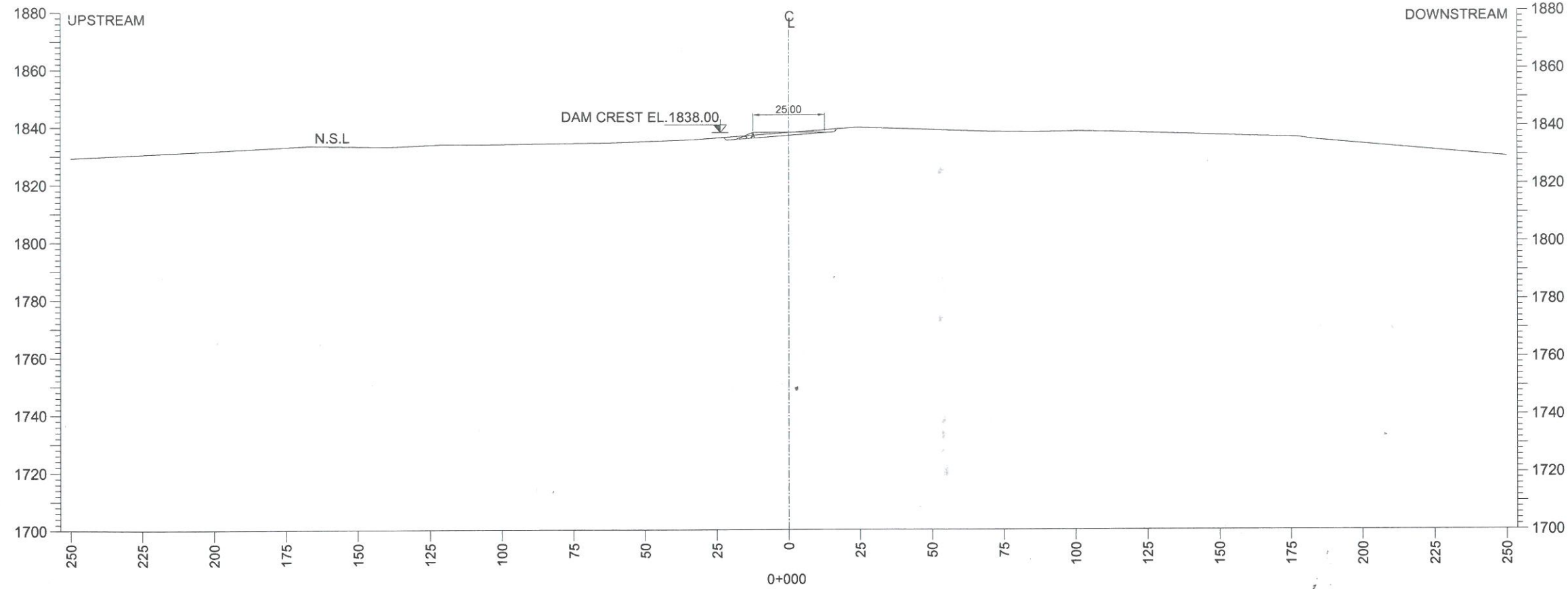
DETAIL-1

DAM CREST CAMBER,
1% OF MAX HT. (0.9675')

S.NO.	DATE	DESCRIPTIONS	CHECK
		SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT	
		SMALL DAM PROJECT	
		SUMARI PAYAN DAM	
		L-SECTION ALONG DAM AXIS	
		PAKISTAN ENGINEERING SERVICES (PVT.) LTD.	
		188 -Y, COMMERCIAL AREA, PHASE-III,	
		D.H.A, LAHORE.	
DRAWN:	M. NADEEM	DATE: JUNE, 2009	REV. No.
DESIGNED:	ASAD	DRAWING NO.	
CHECKED:	ZAHEER MALIK	5.5	
APPROVED:	SIBT-UL-HASSAN NAQVI		

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



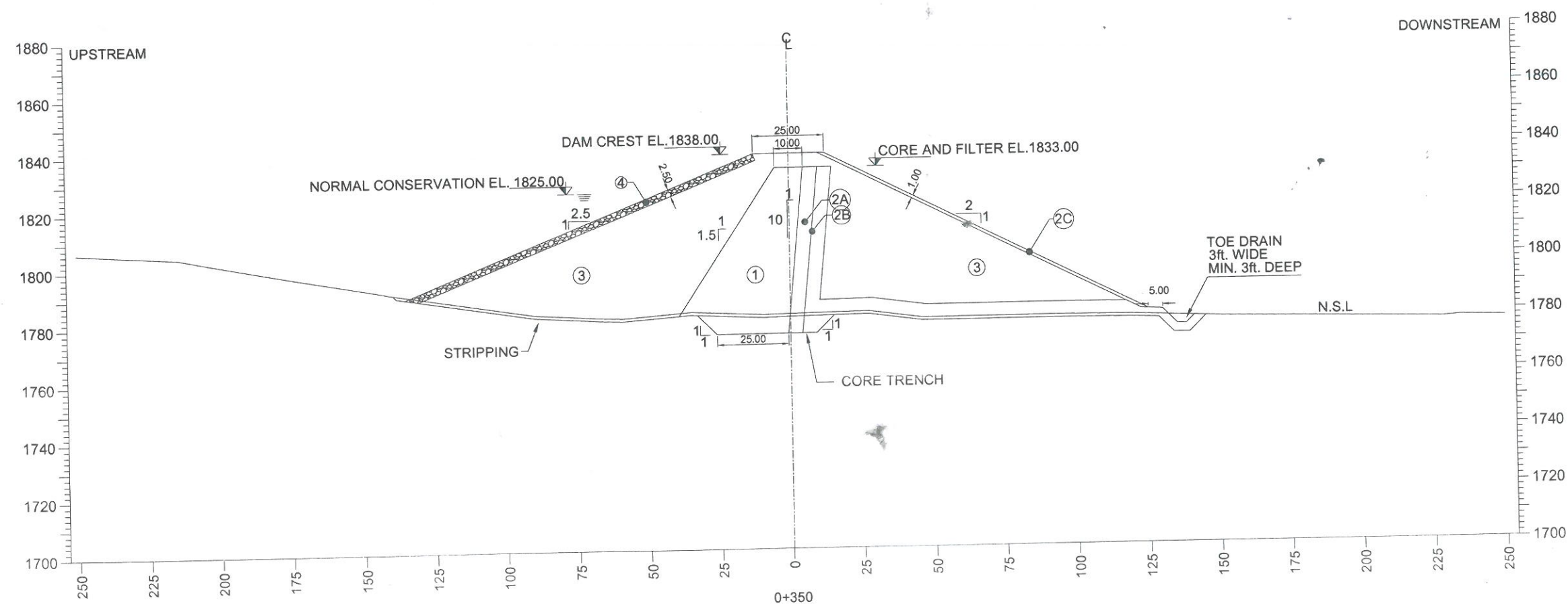
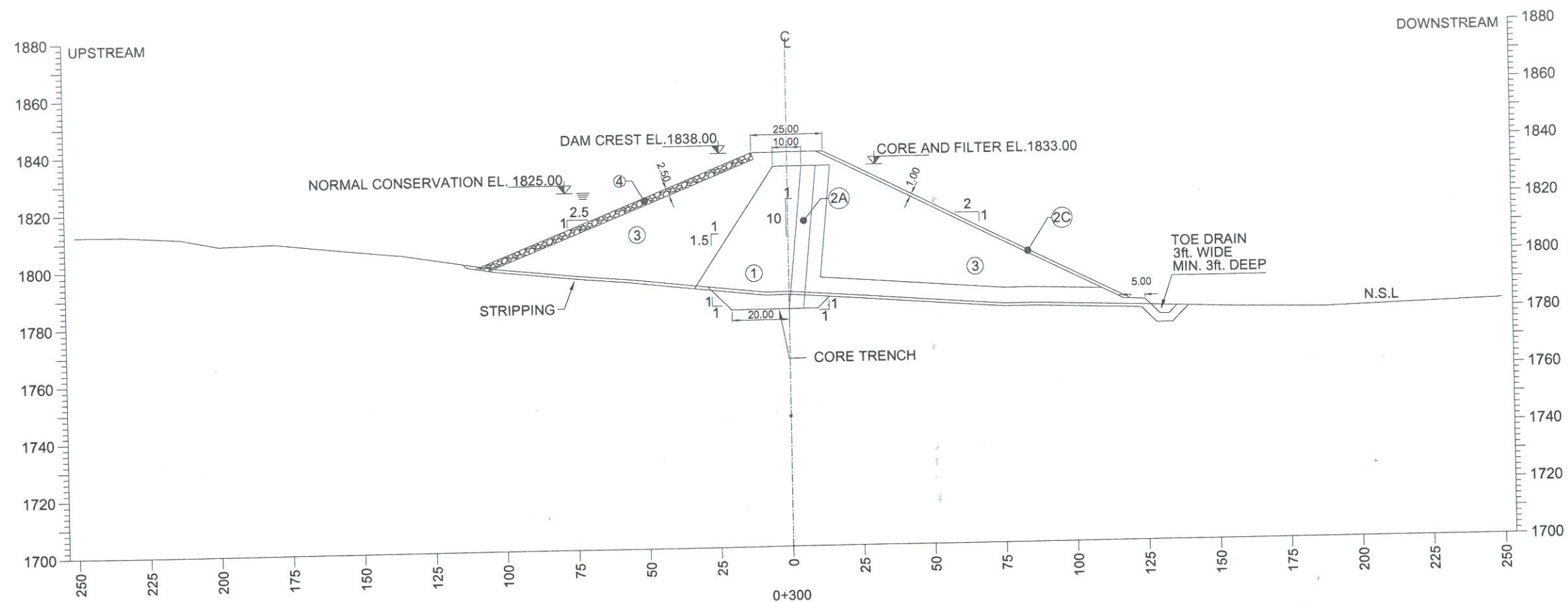
SHEET 1 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
CHECKED BY:	AHMED SHAHZAWAR	DRAWING NO.	D-03
APPROVED BY:	ADNAN MANZOOR	REV. No.	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



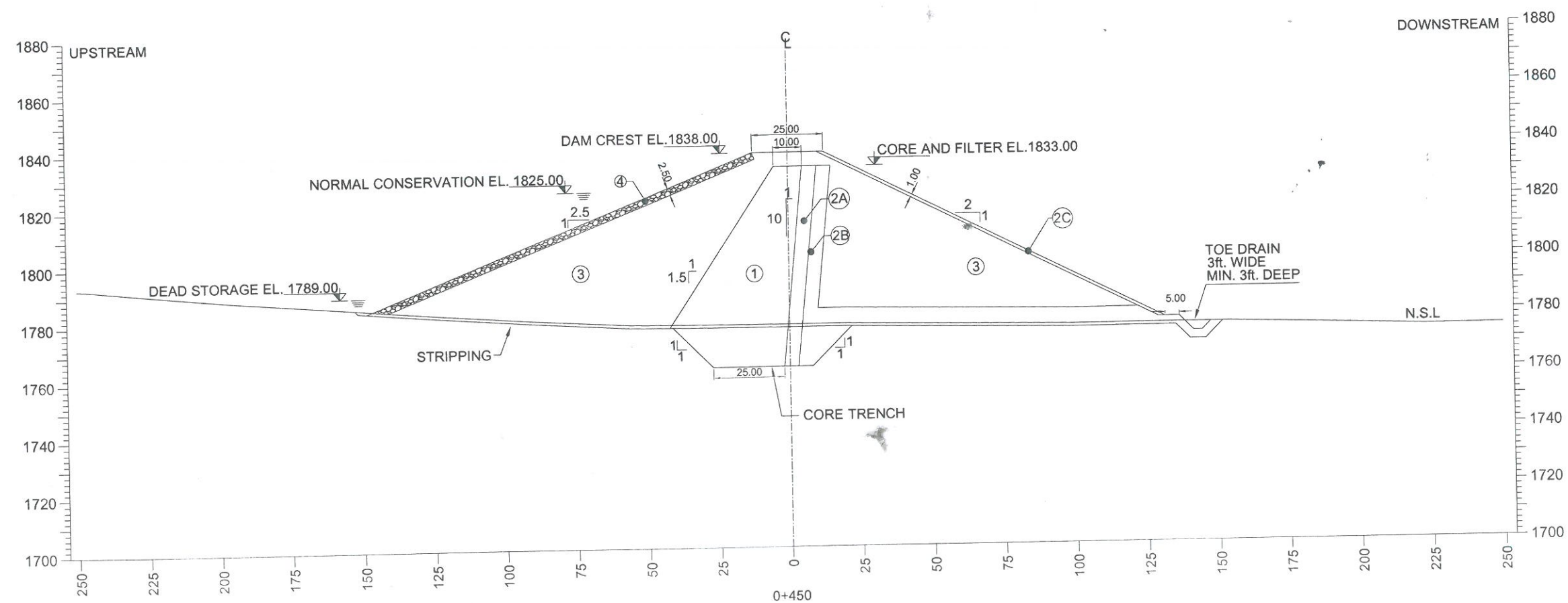
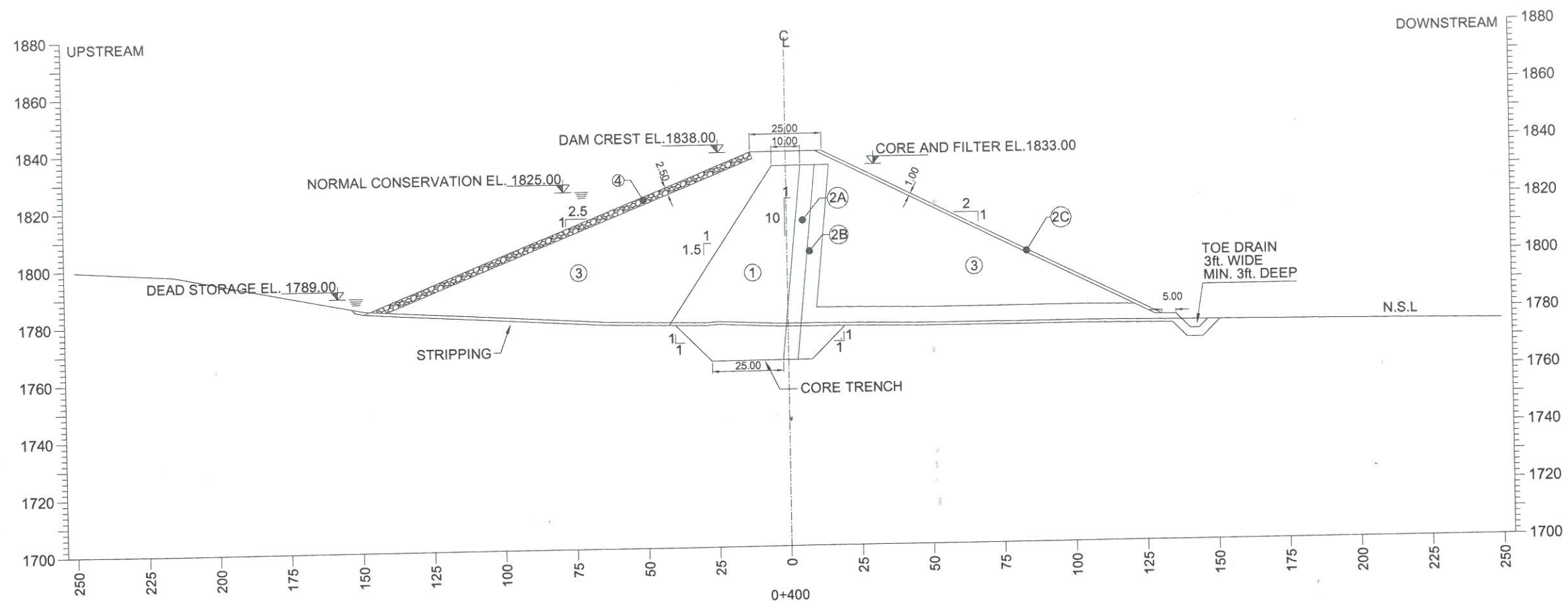
SHEET 4 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT DAM X-SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED BY:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



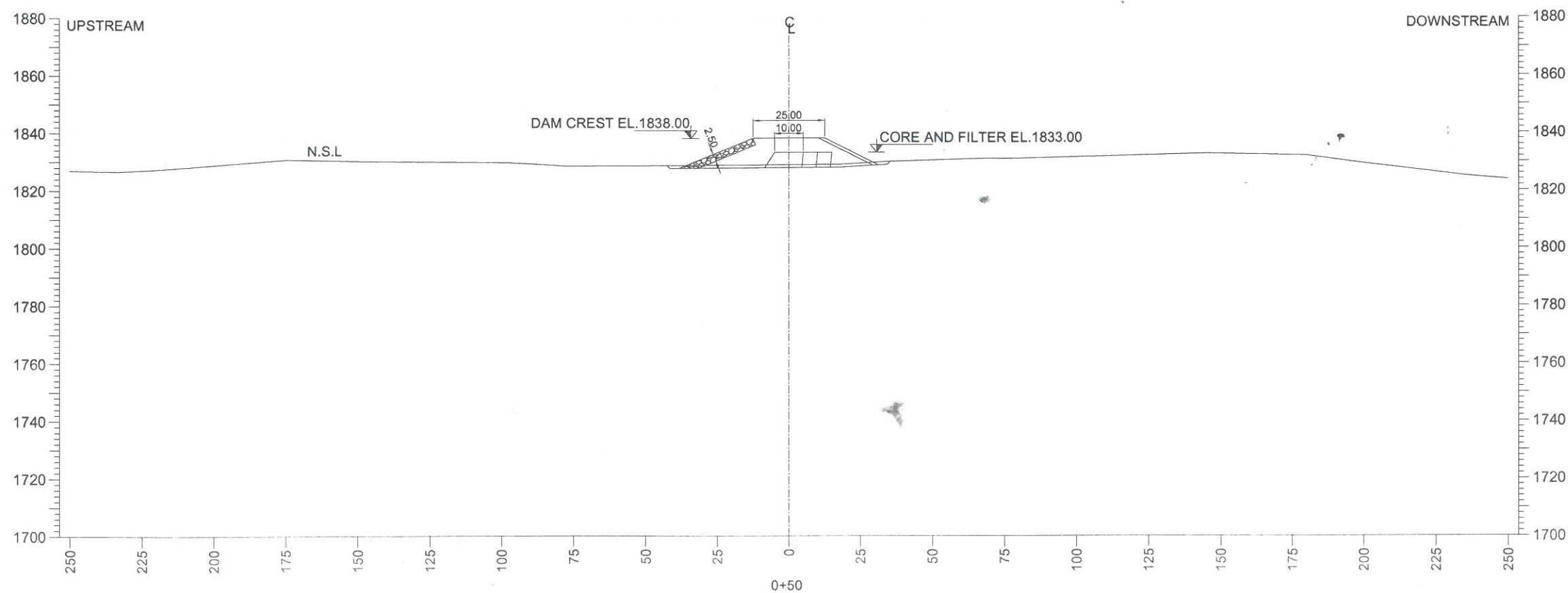
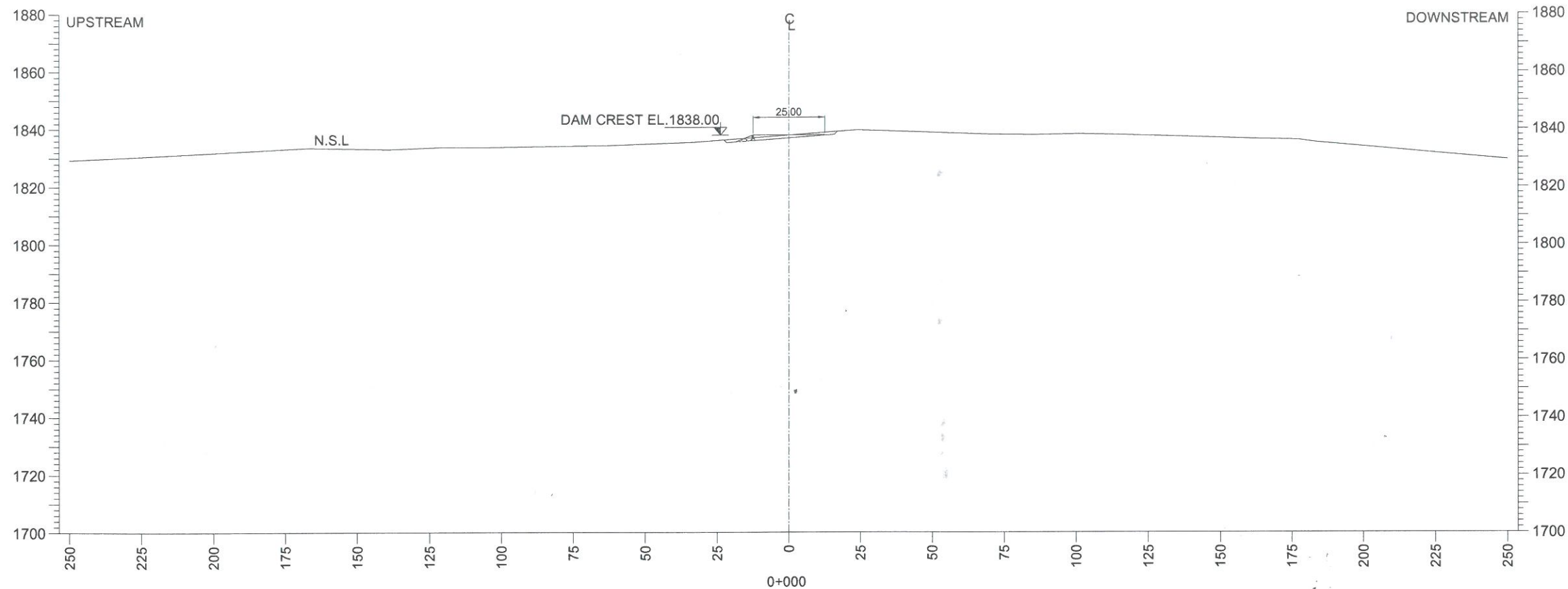
SHEET 5 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	ARMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR		
		D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.

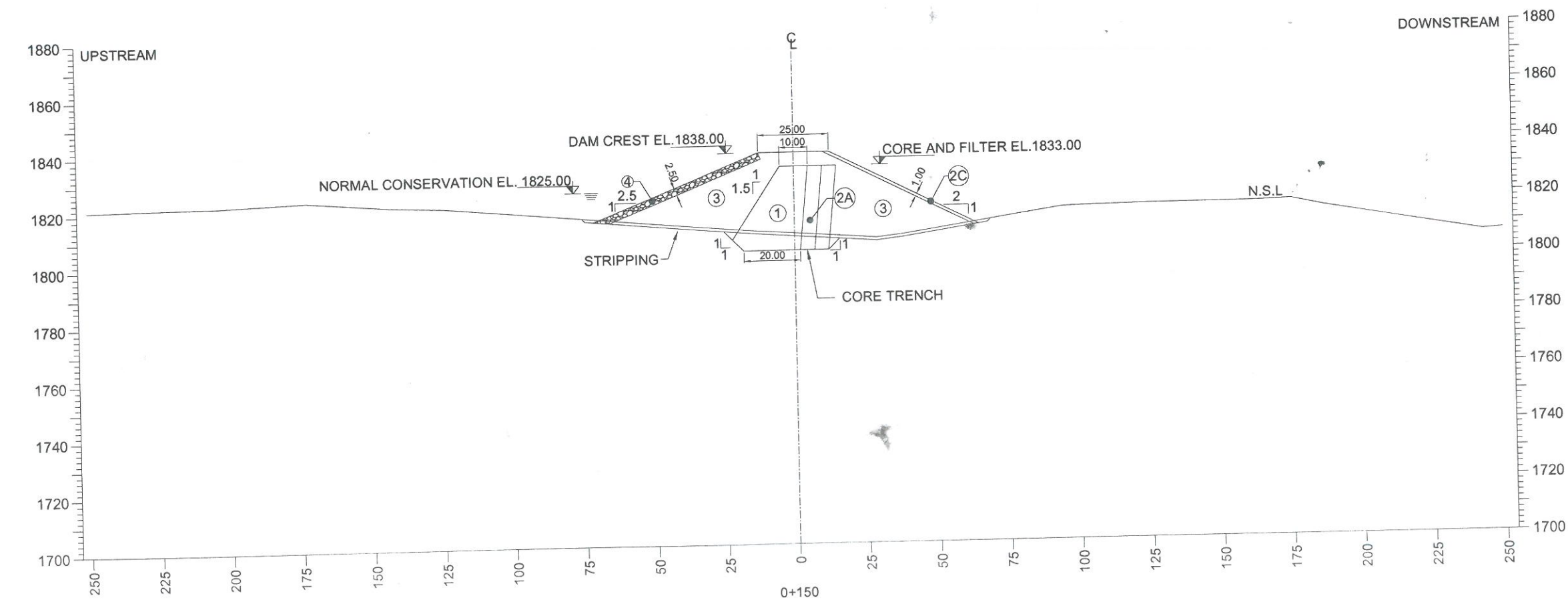


SHEET 1 OF 22

0 45 90 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

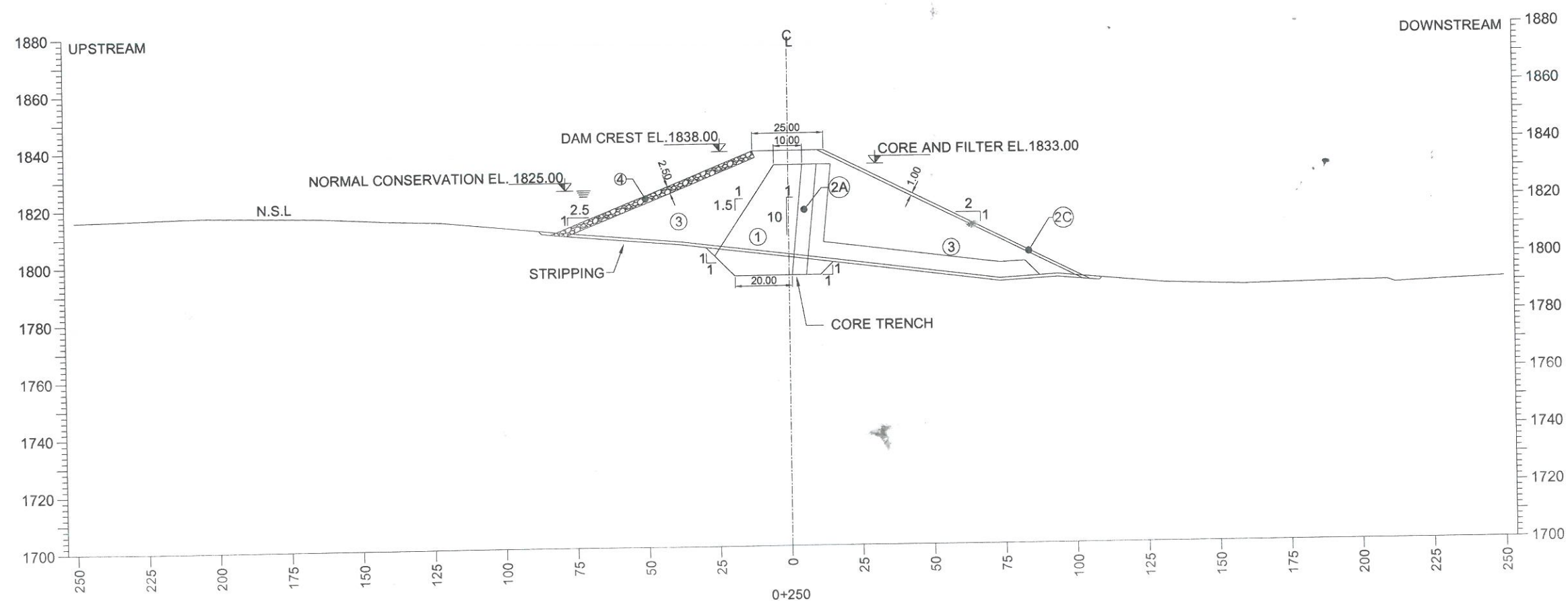
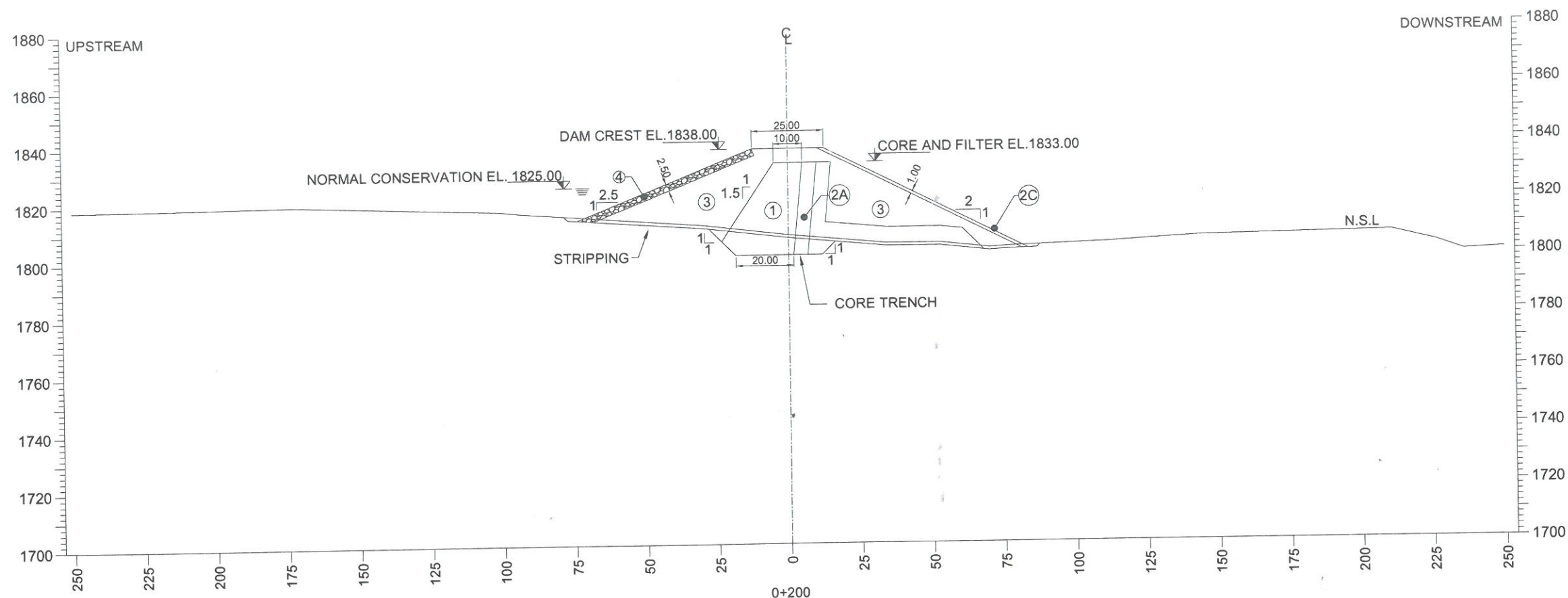
ALL DIMENSIONS AND LEVELS ARE IN FEET.



S.NO.	DATE	DESCRIPTIONS						CHECK	
DIRECTORATE GENERAL SMALL DAMS IRRIGATION									
DEPARTMENT KHYBER PAKHTUNKHAWA									
SMALL DAM PROJECT									
SUMARI PAYAN DAM PROJECT									
DAM X-SECTIONS									
									
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.									
CADDED BY:	FAROOQ ALI	DATE:	DEC-2023	REV. No.					
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.							
CHECKED:	ASHFAQ ALI	D-03							
APPROVED:	ADNAN MANZOOR		0						

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



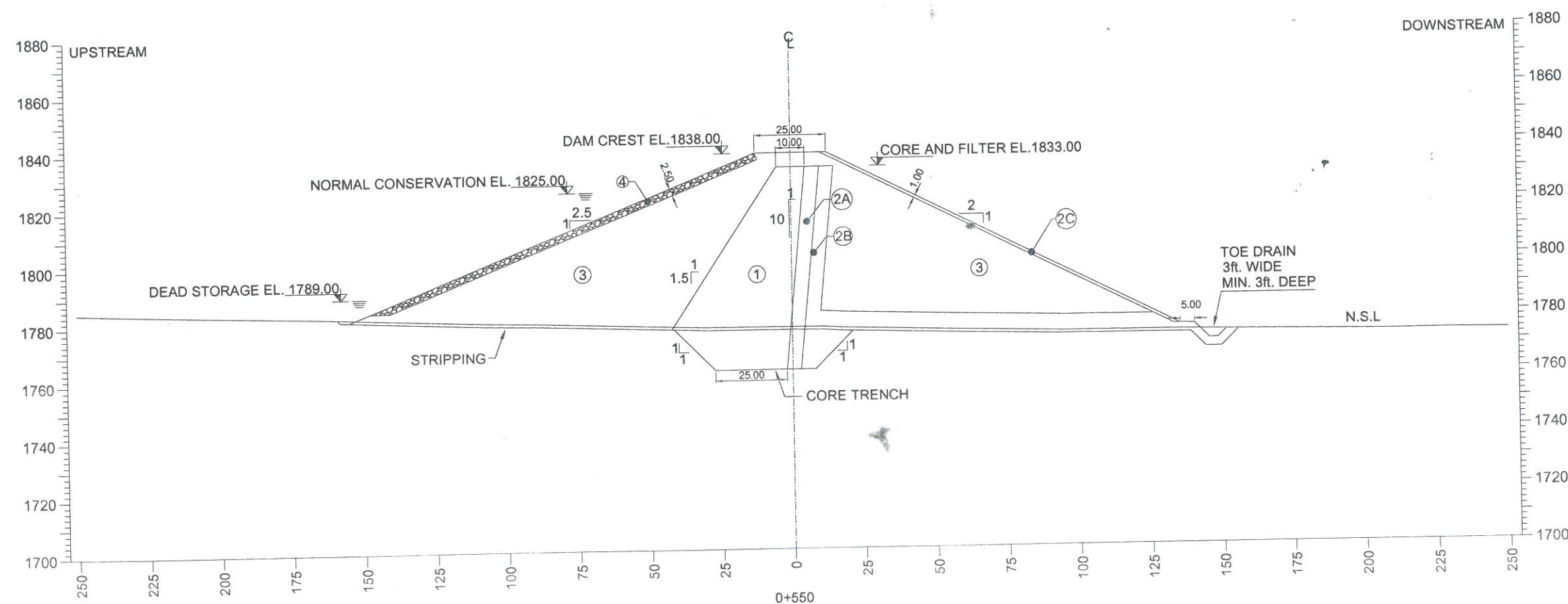
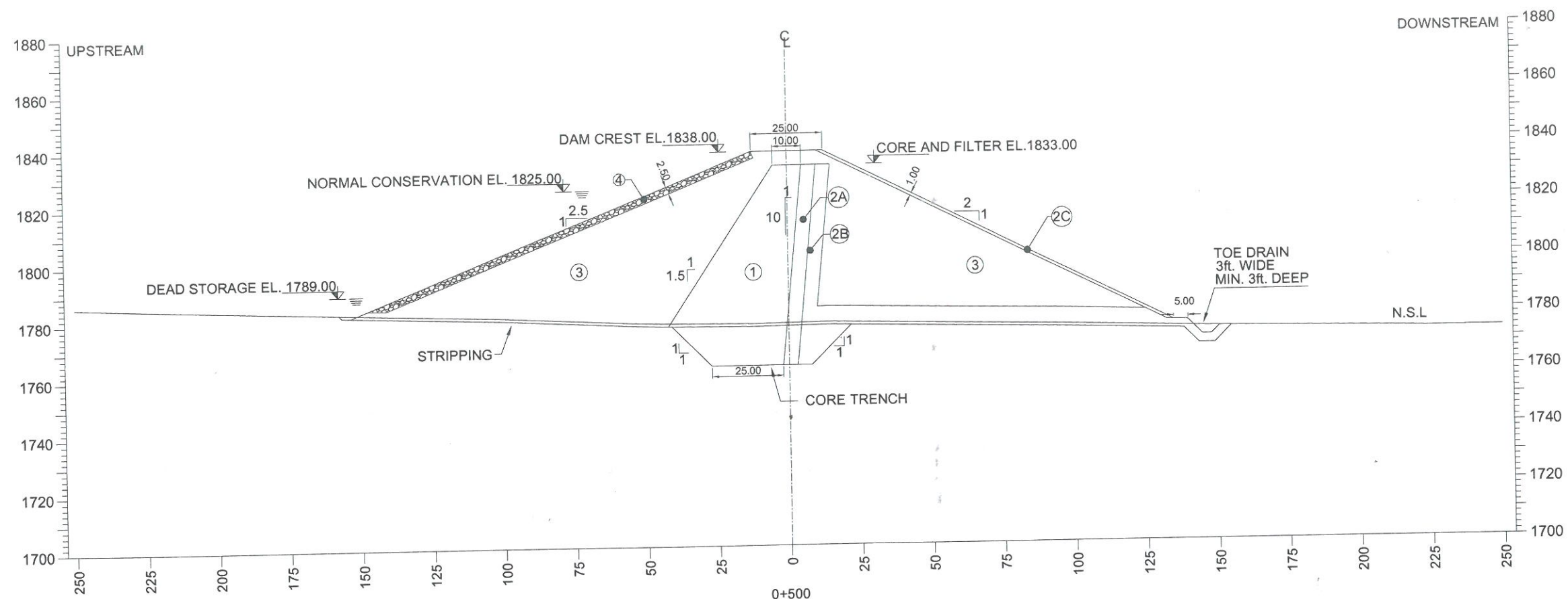
SHEET 3 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
CHECKED BY:	AHMED SHAHZAWAR	DRAWING NO.	D-03
APPROVED BY:	ADNAN MANZOOR	REV. No.	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



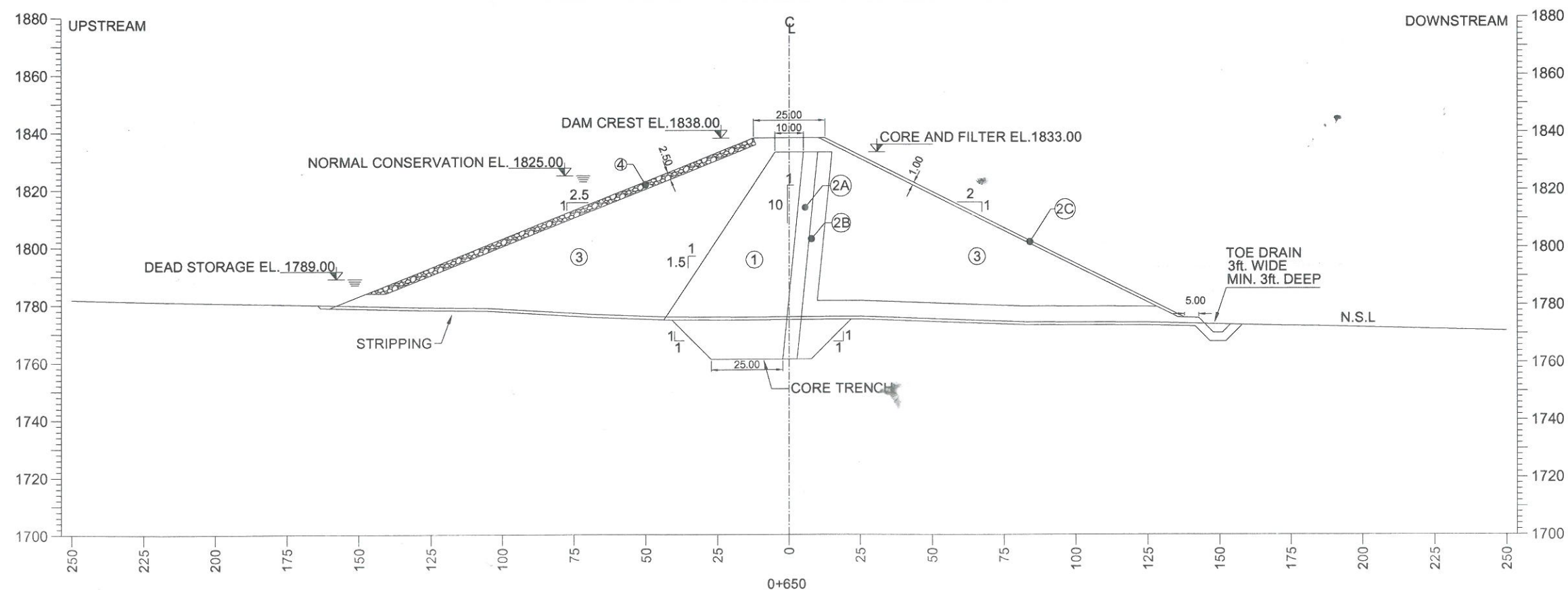
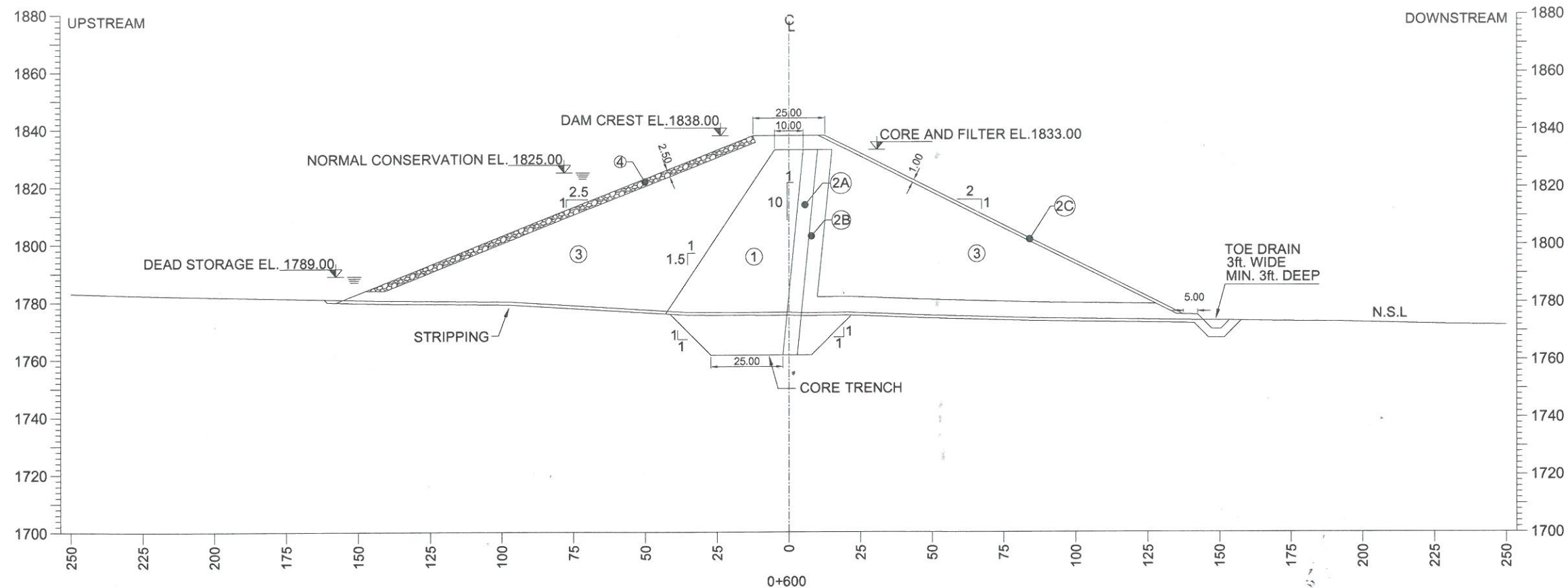
SHEET 6 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT DAM X-SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED BY:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED BY:	ASHFAQ ALI		D-03
APPROVED BY:	ADNAN MANZOOR		0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



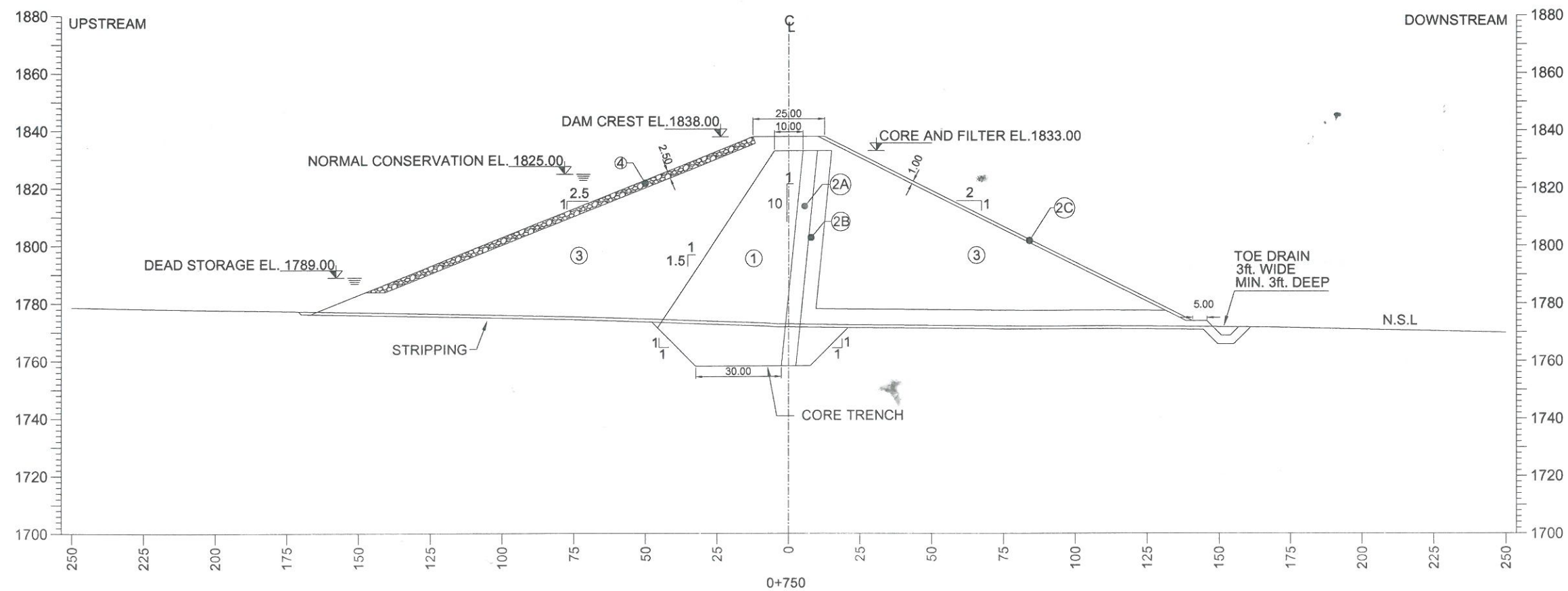
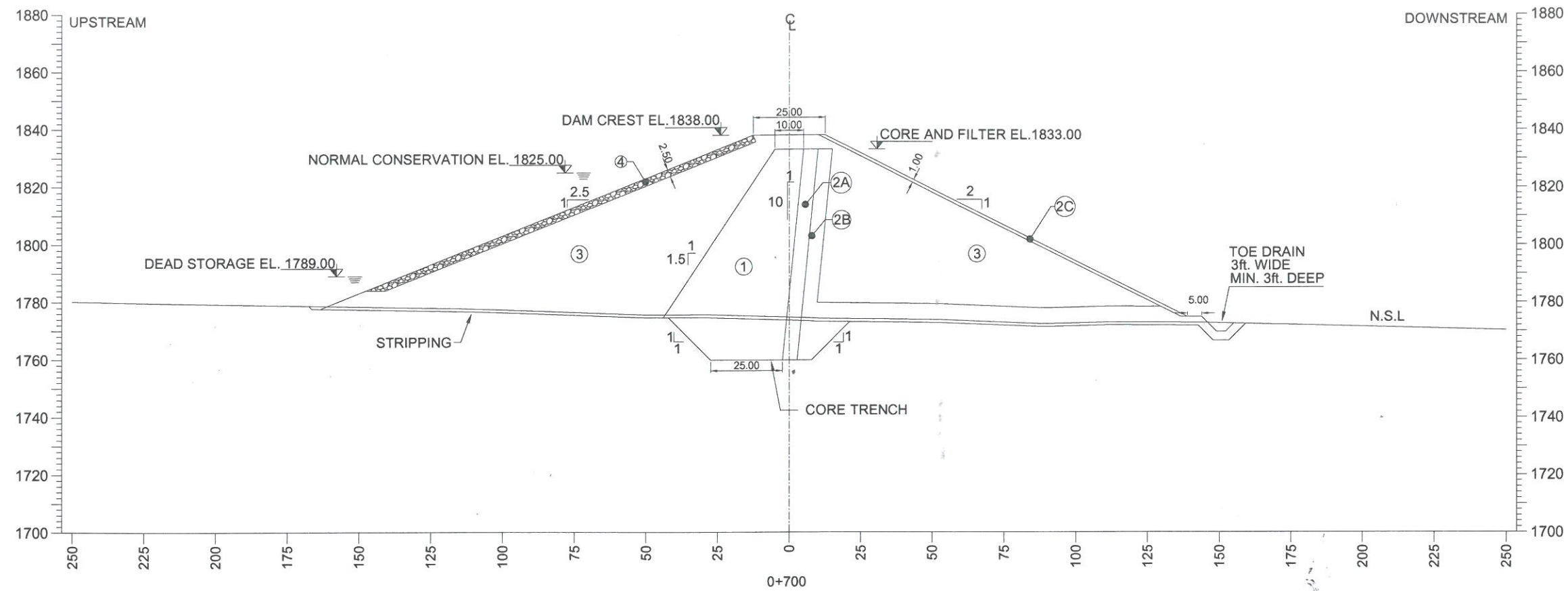
SHEET 7 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



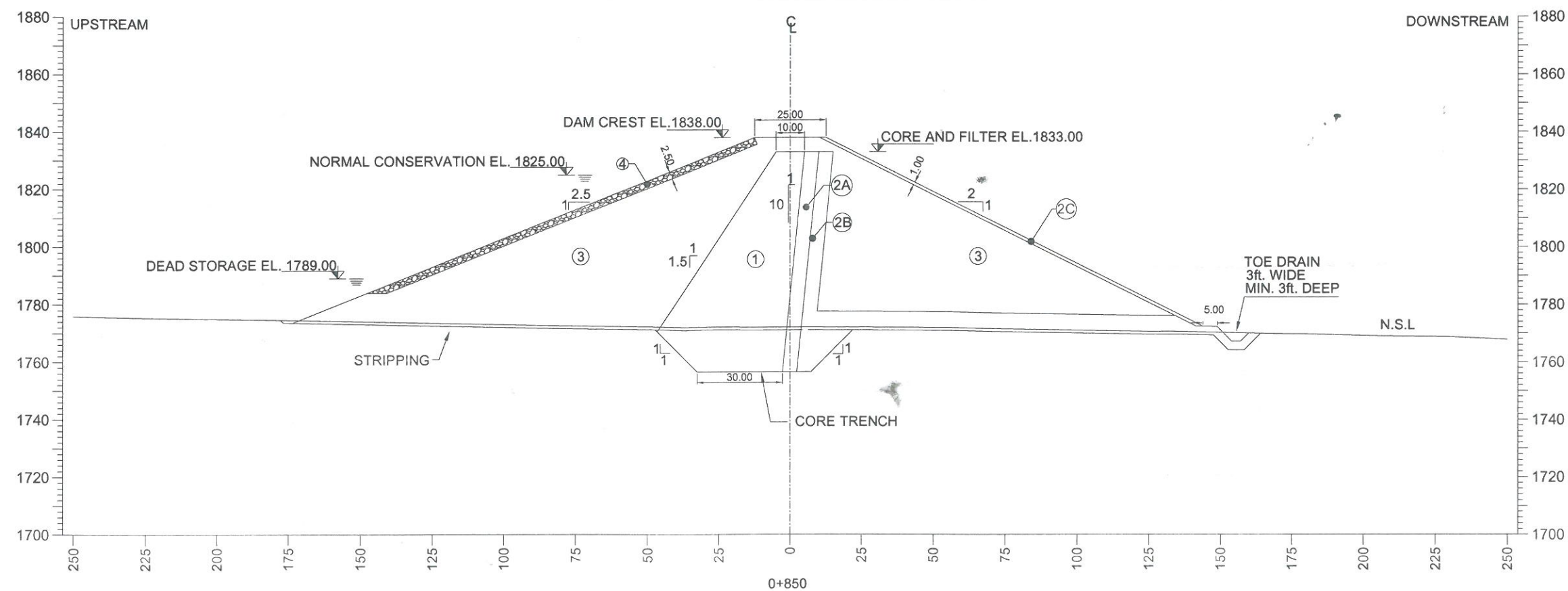
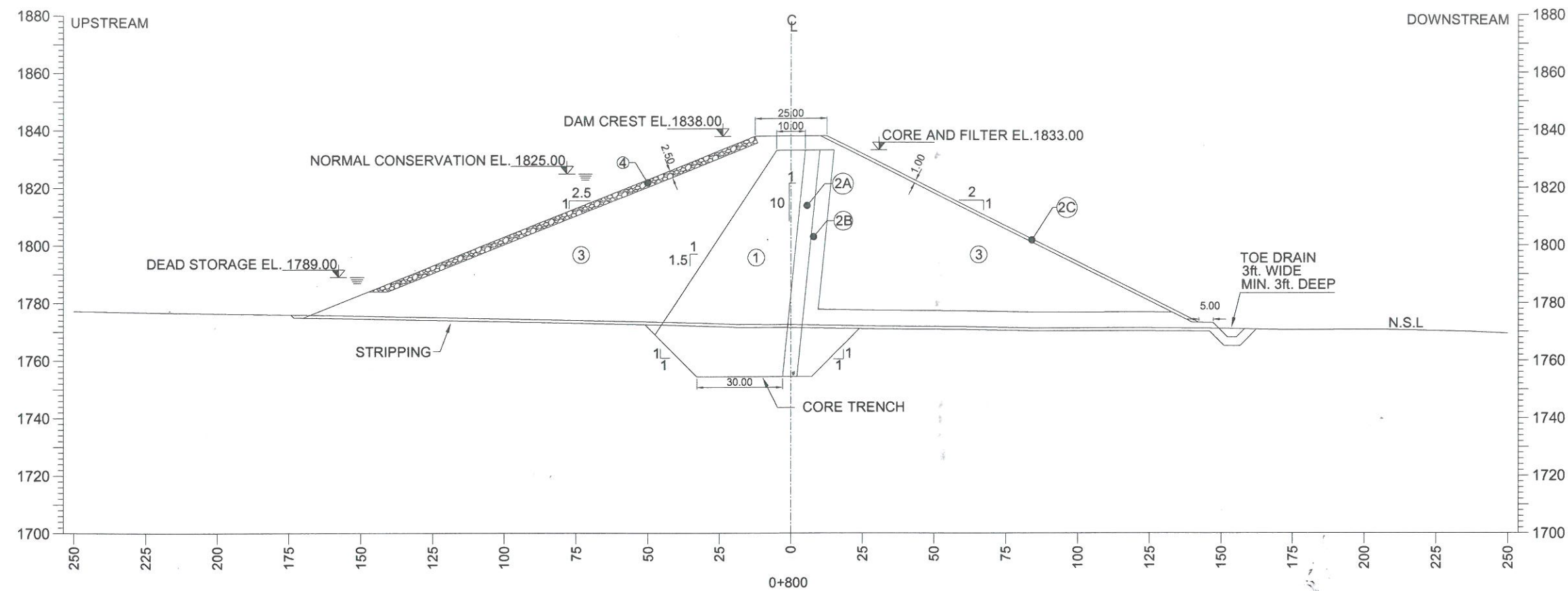
SHEET 8 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



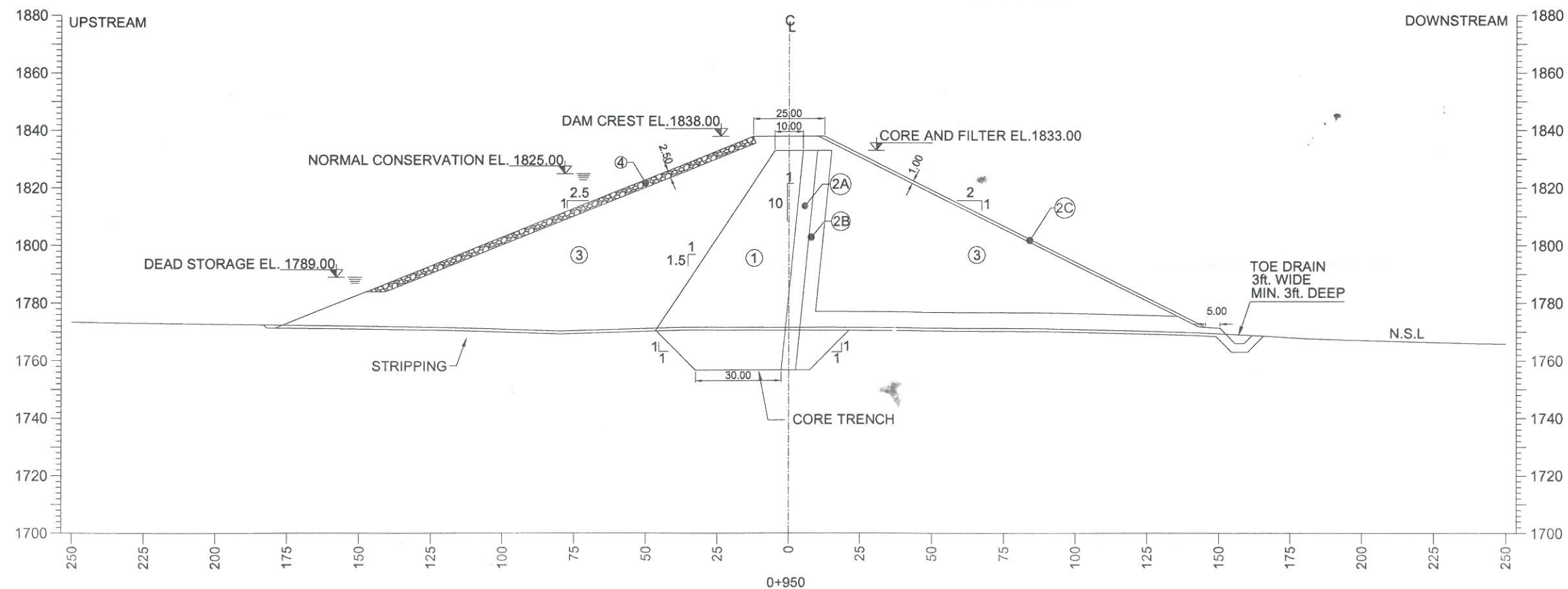
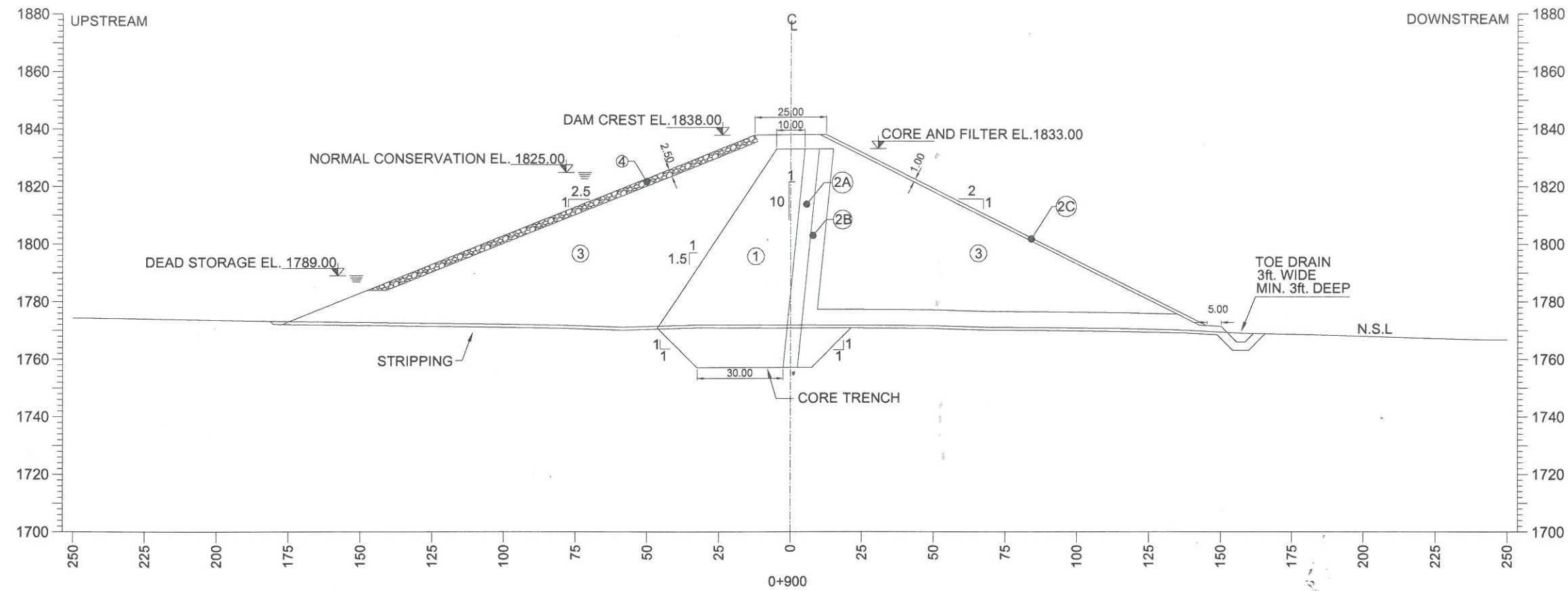
SHEET 9 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAIB	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



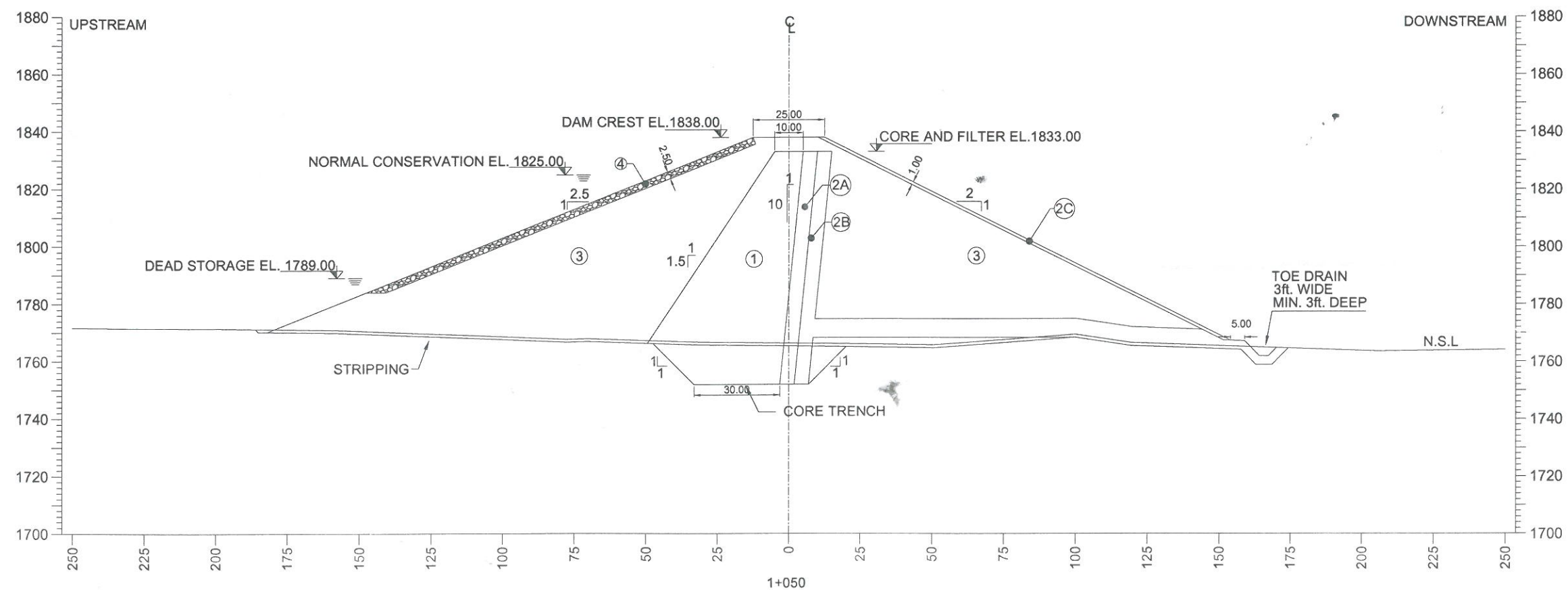
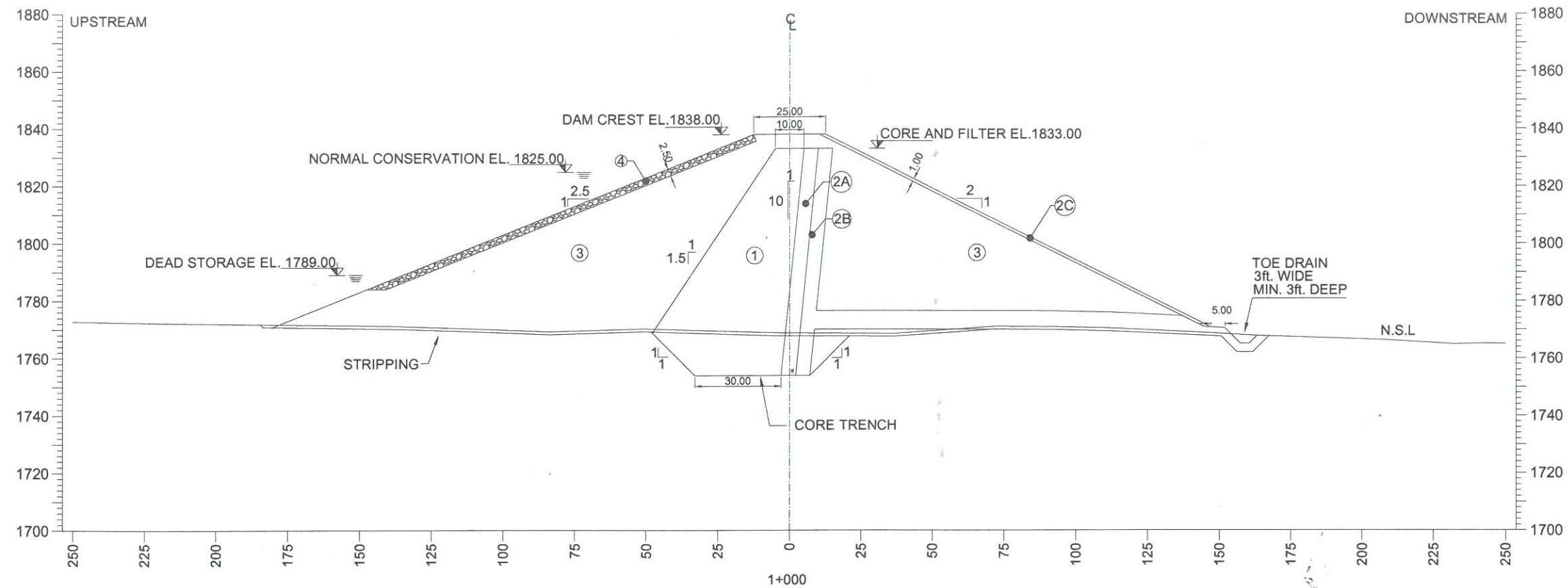
SHEET 10 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED BY:	AHMED SHAH ZAWAR	DRAWING NO.	
CHECKED BY:	ASHFAQ ALI		
APPROVED BY:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



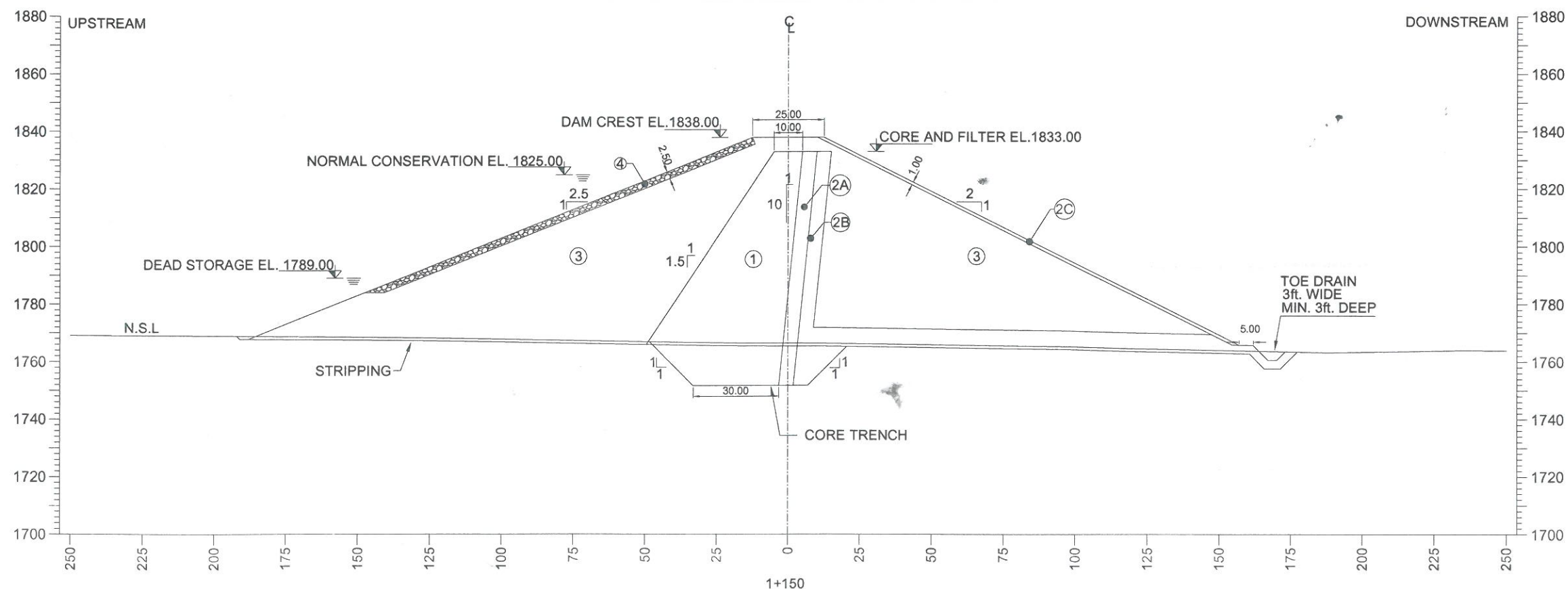
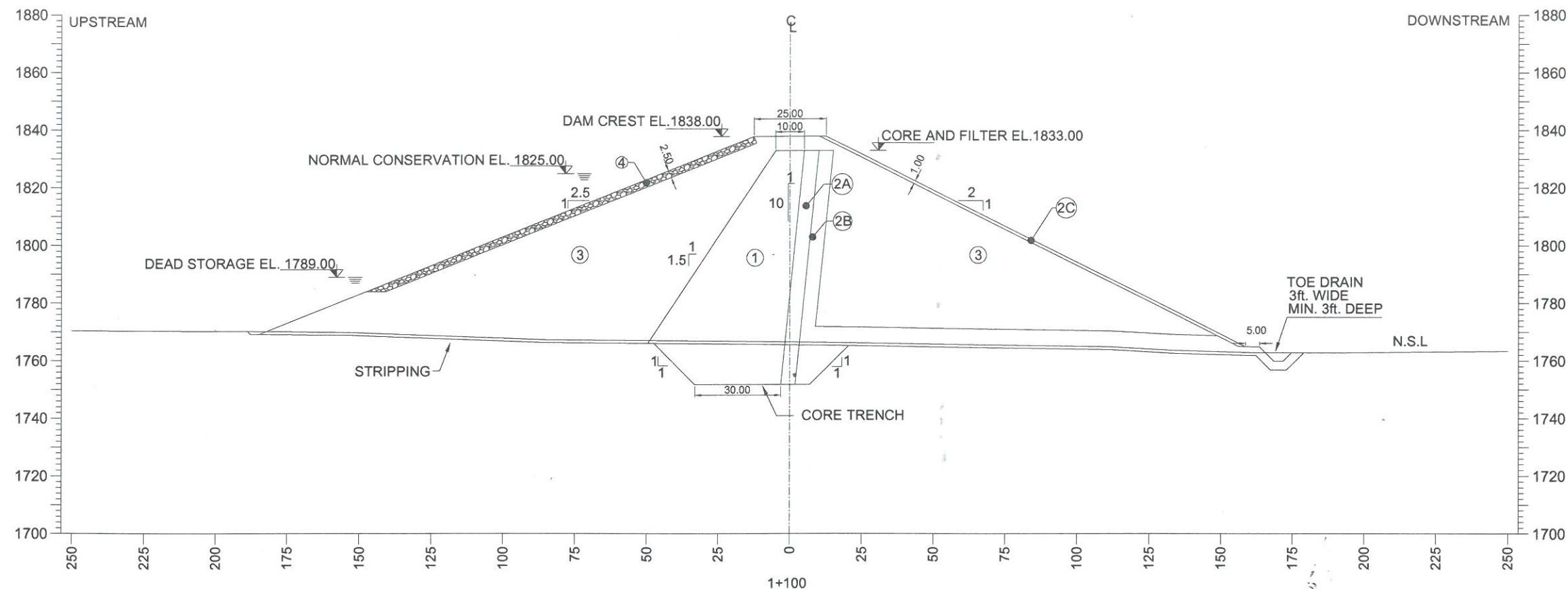
SHEET 11 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED BY:	AHMED SHAHZAWAR	DRAWING NO.	D-03
CHECKED:	ASHFAQ ALI	REV. No.	0
APPROVED:	ADNAN MANZOOR		

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.

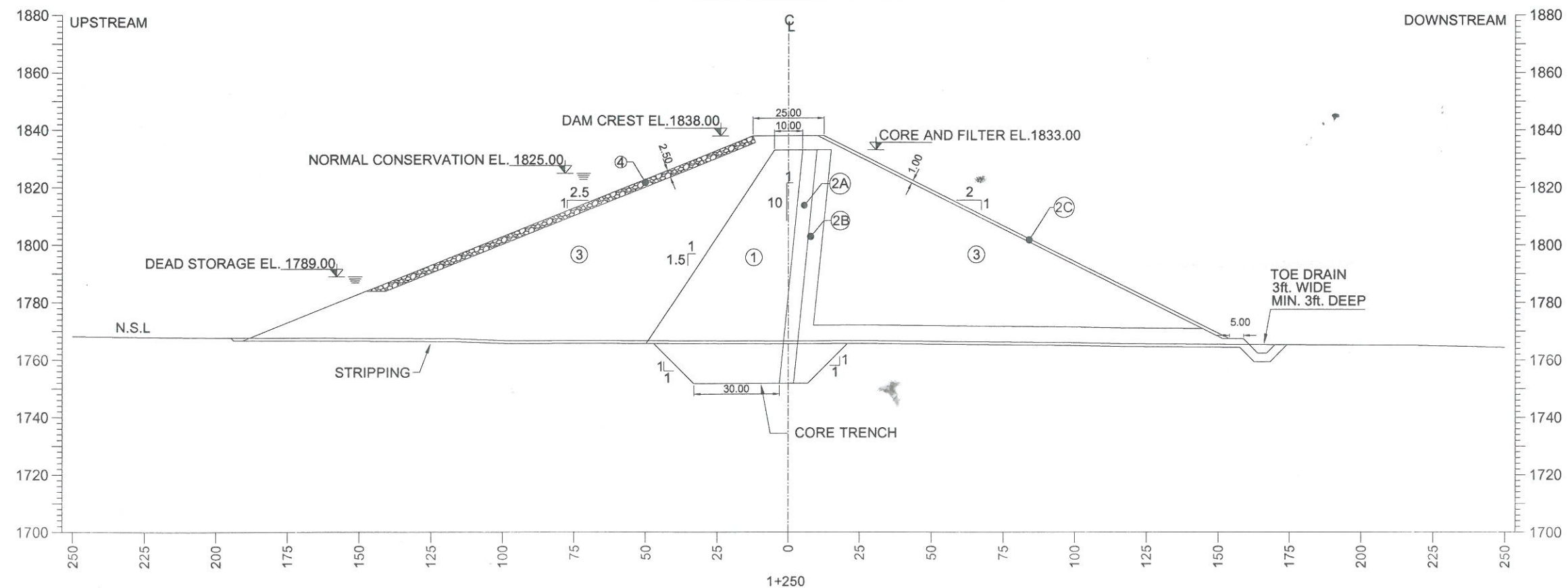


SHEET 12 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED BY:	AHMED SHAHZAIB	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

ALL DIMENSIONS AND LEVELS ARE IN FEET.

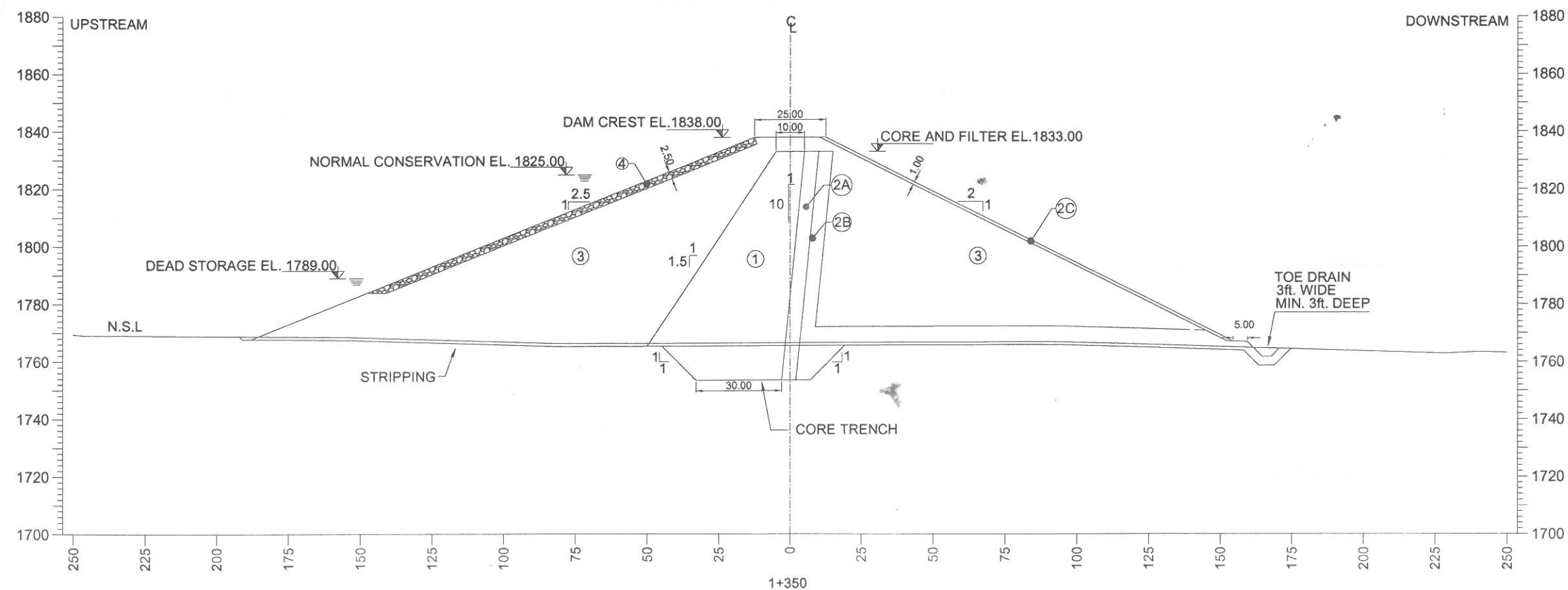
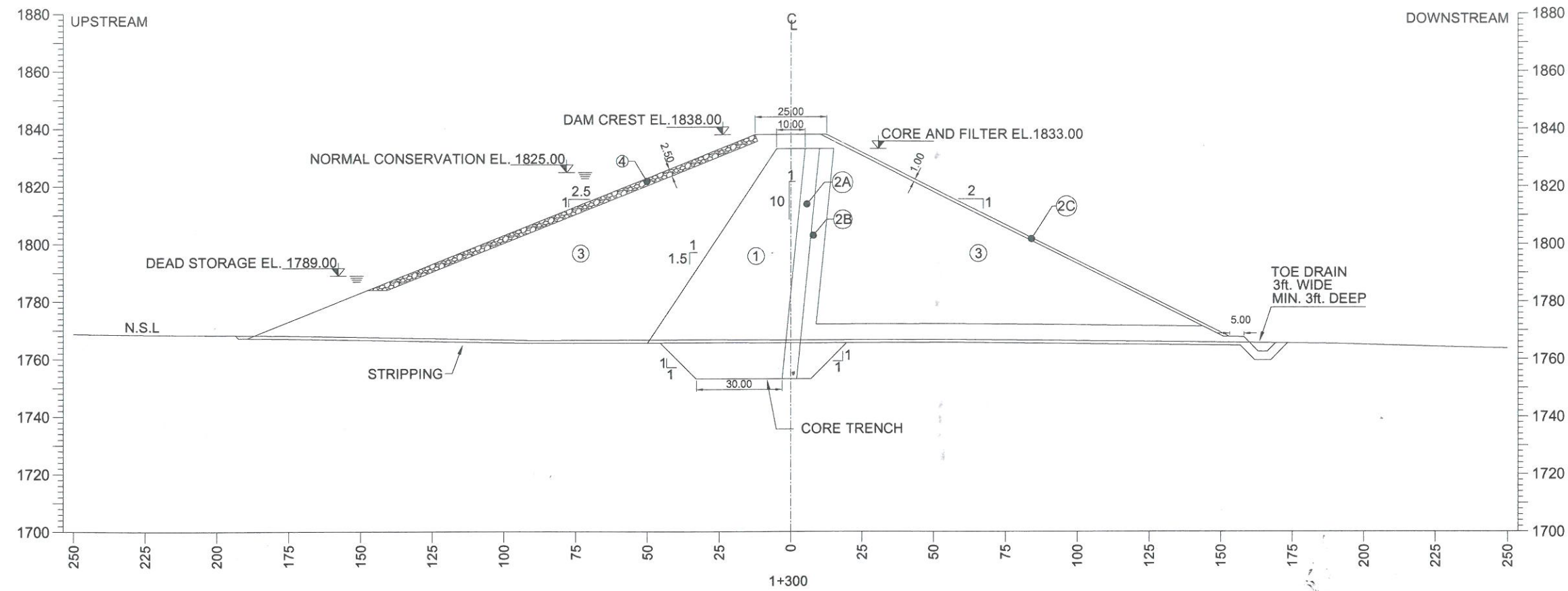


A horizontal scale bar with markings at 0, 45, and 90 FEET.

S.NO.	DATE	DESCRIPTIONS		CHECK	
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA					
SMALL DAM PROJECT					
SUMARI PAYAN DAM PROJECT DAM X-SECTIONS					
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.					
CADED BY:	FAROOQ ALI	DATE:	DEC-2023	REV. No.	
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.			
CHECKED:	ASHFAQ ALI	D-03			
APPROVED:	ADMAN MANZOOR			0	

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



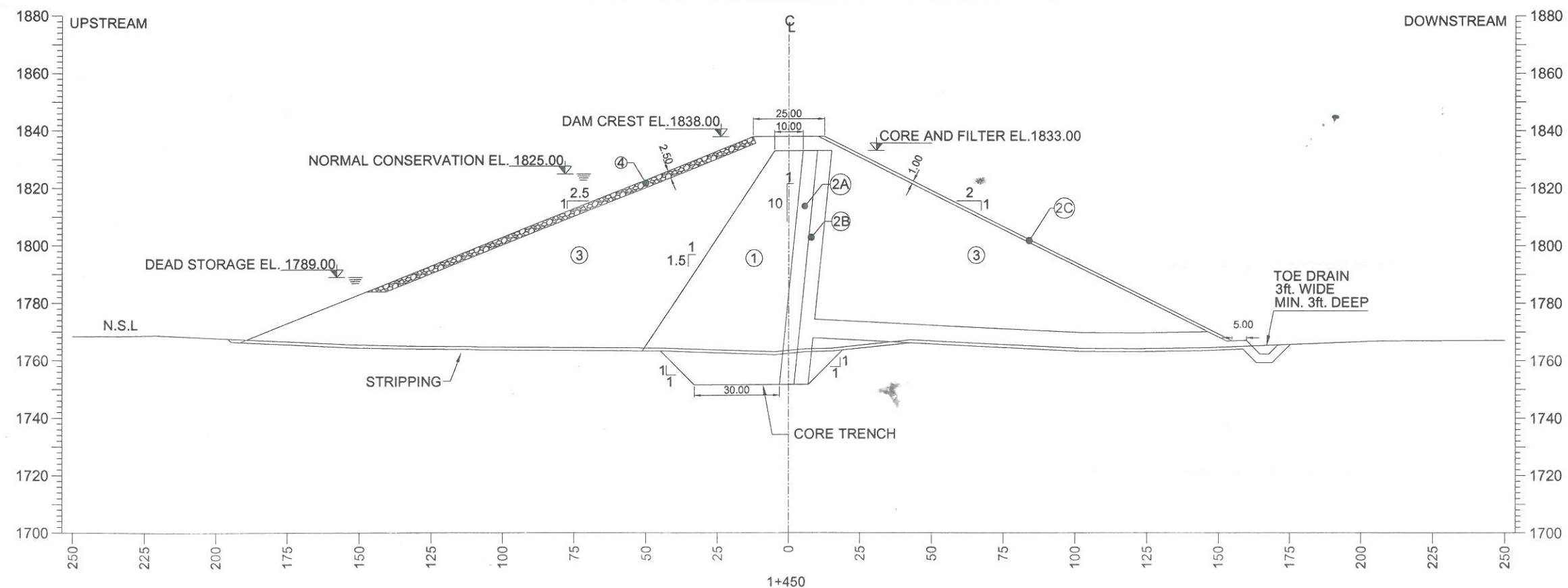
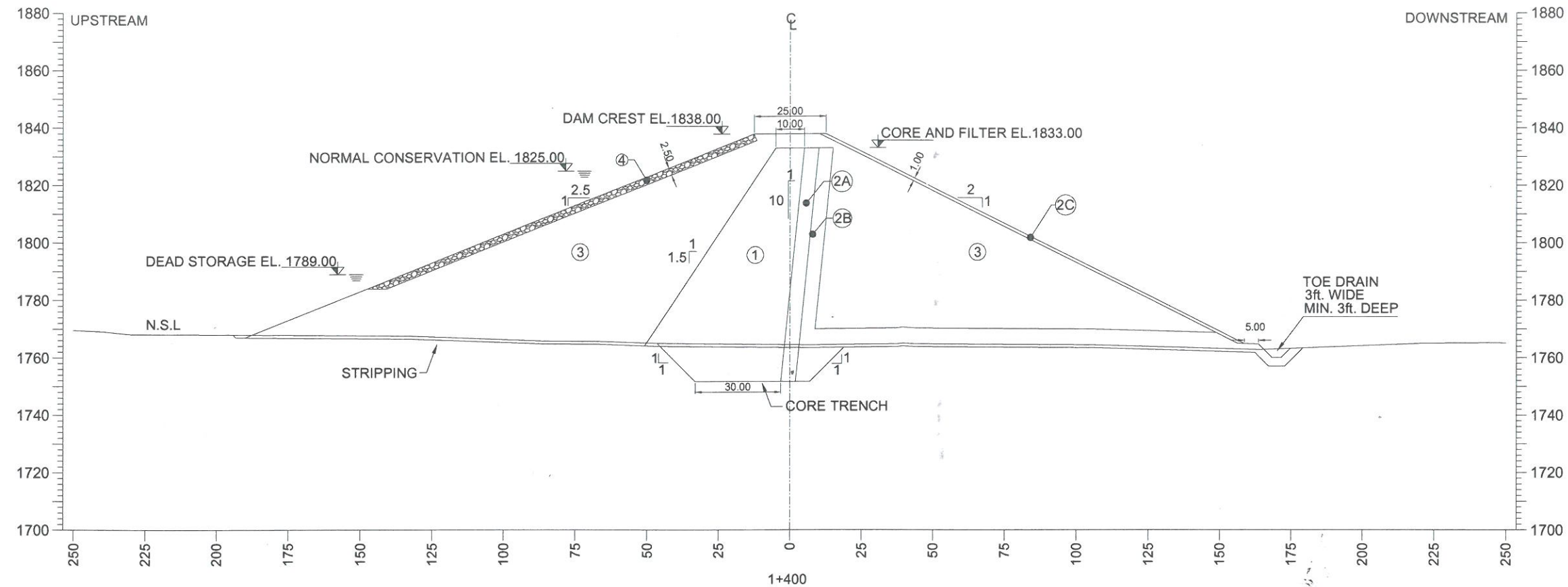
SHEET 14 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.

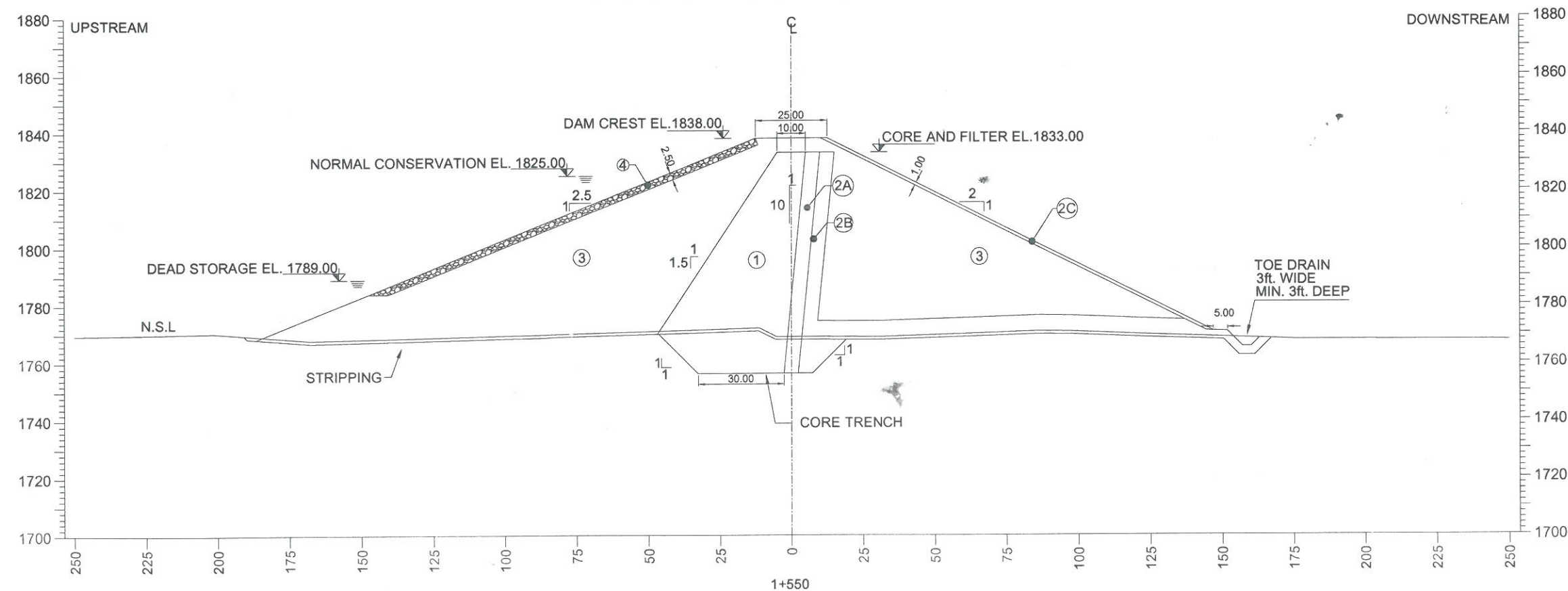


SHEET 15 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

ALL DIMENSIONS AND LEVELS ARE IN FEET.

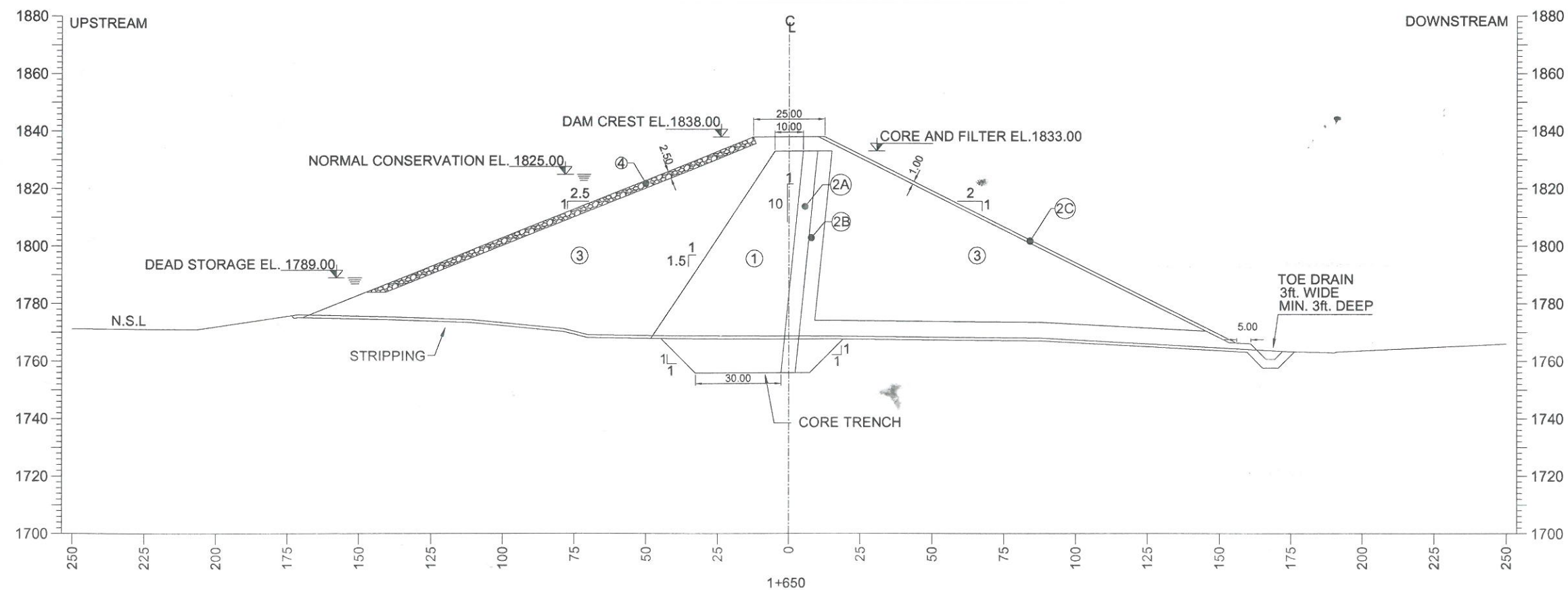
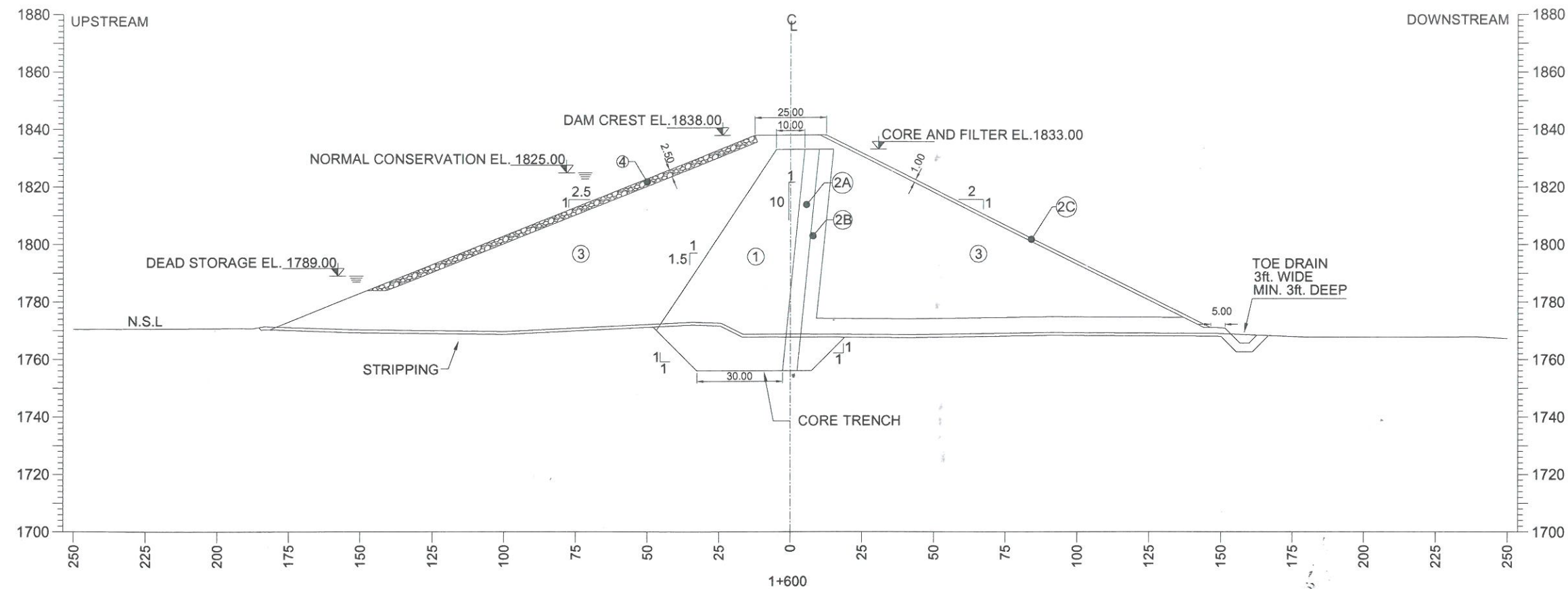


0 45 90 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT DAM X-SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
CADED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



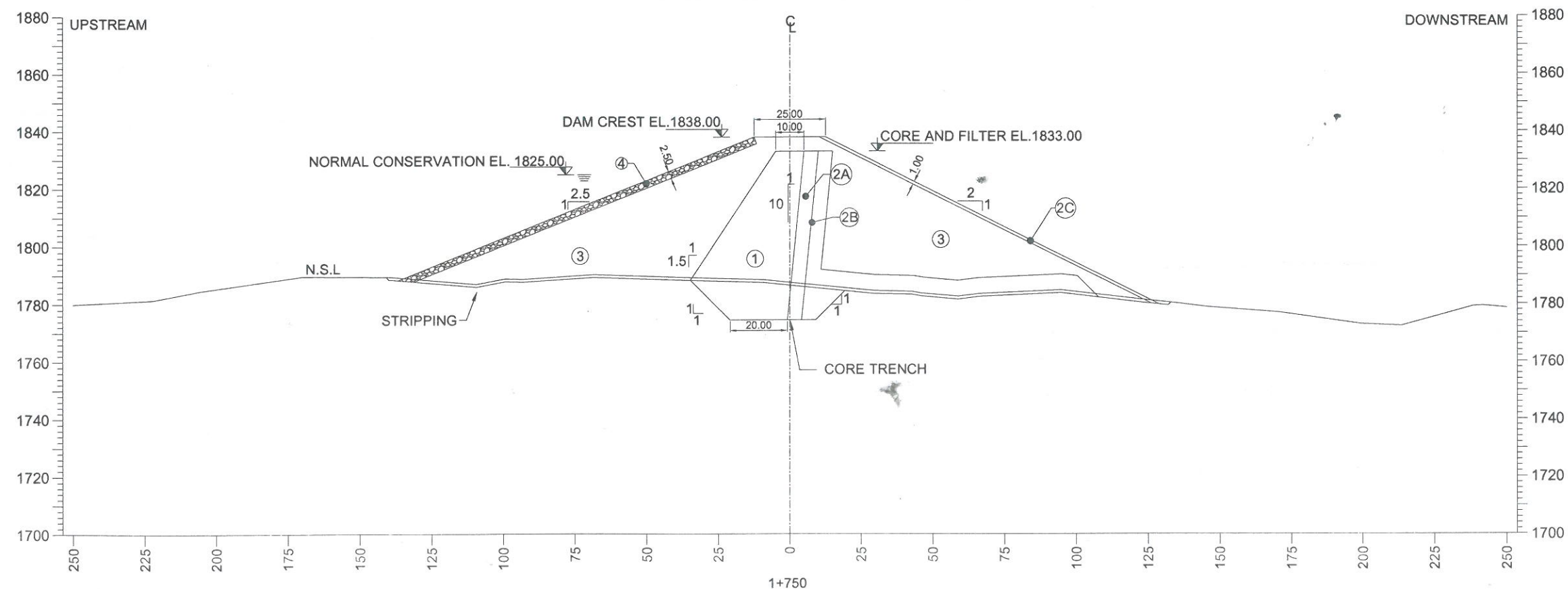
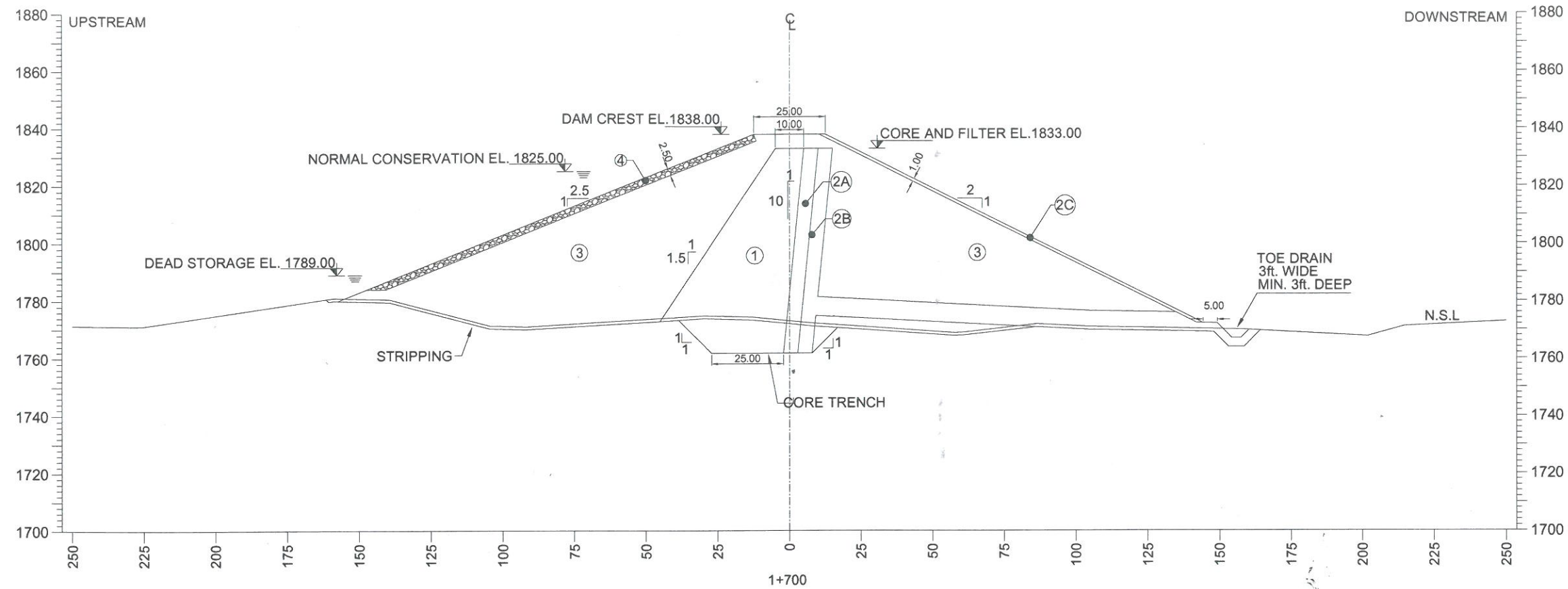
SHEET 17 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
CHECKED BY:	AHMED SHAHZAWAR	DRAWING NO.	D-03
APPROVED BY:	ADNAN MANZOOR	REV. No.	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



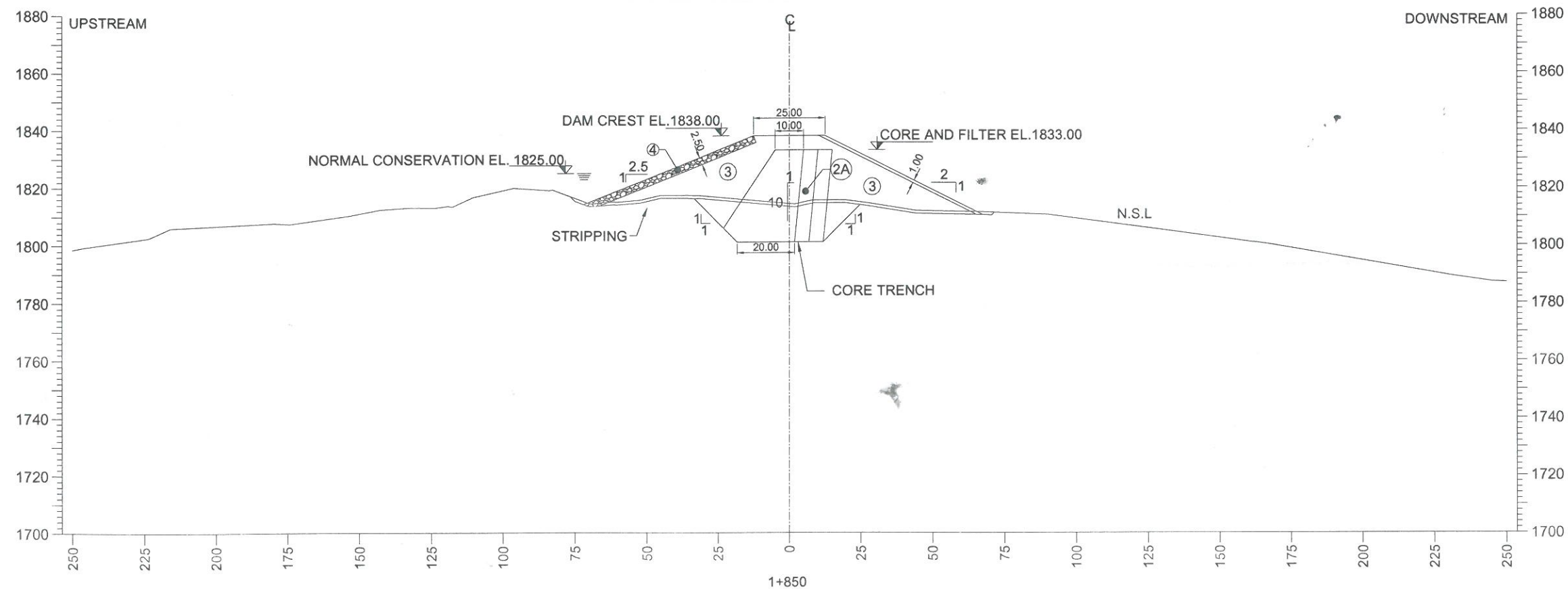
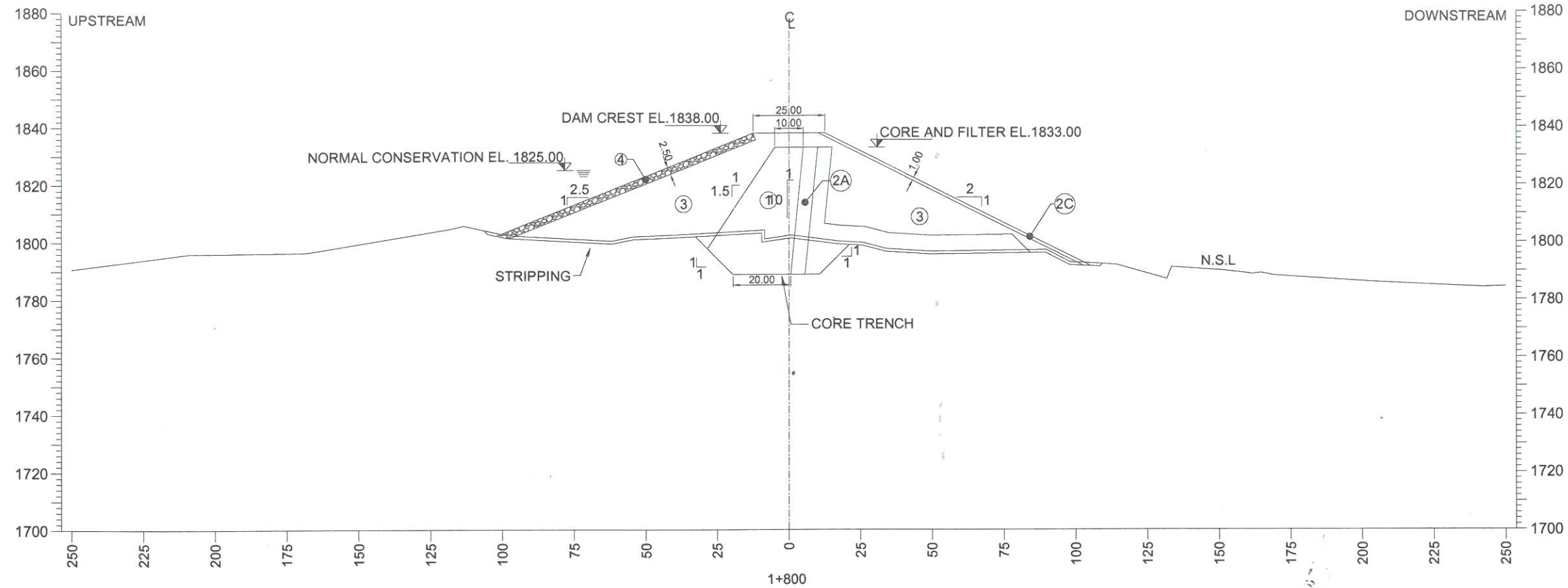
SHEET 18 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.

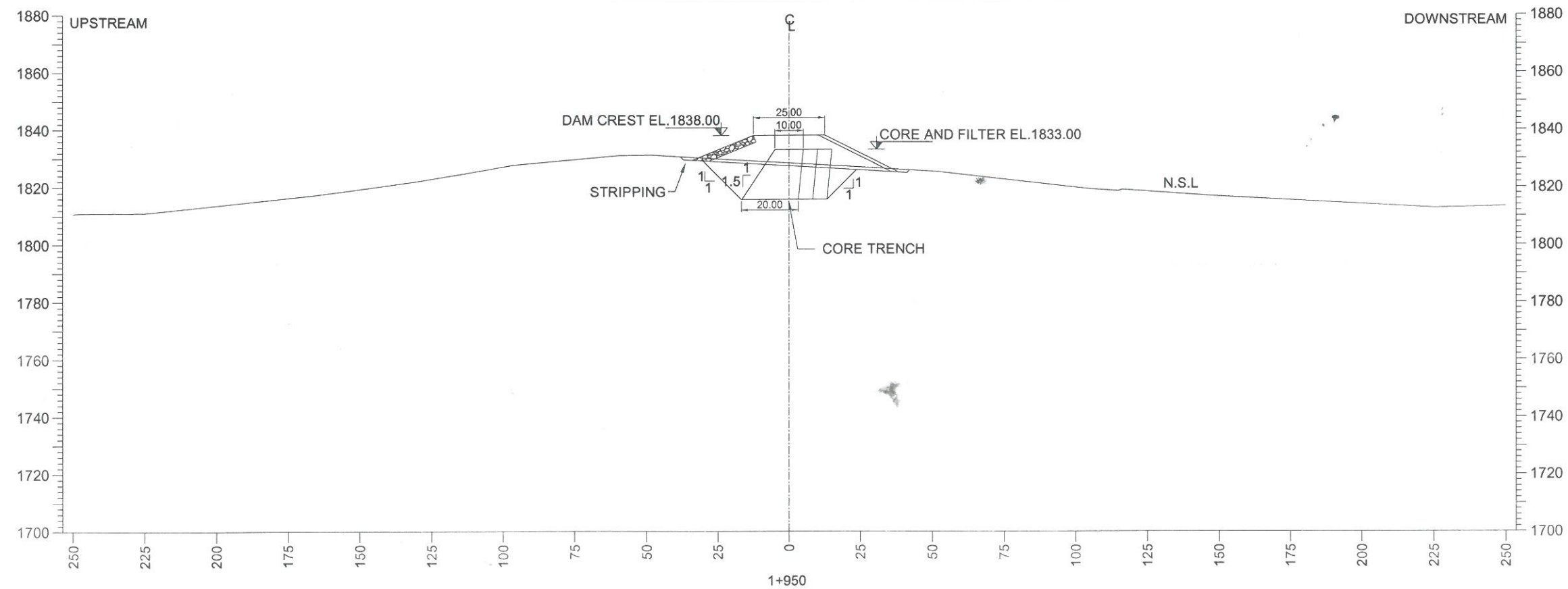


SHEET 19 OF 22



S. NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD.			
7 - B, COMMERCIAL AREA, PHASE - V,			
D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

ALL DIMENSIONS AND LEVELS ARE IN FEET.

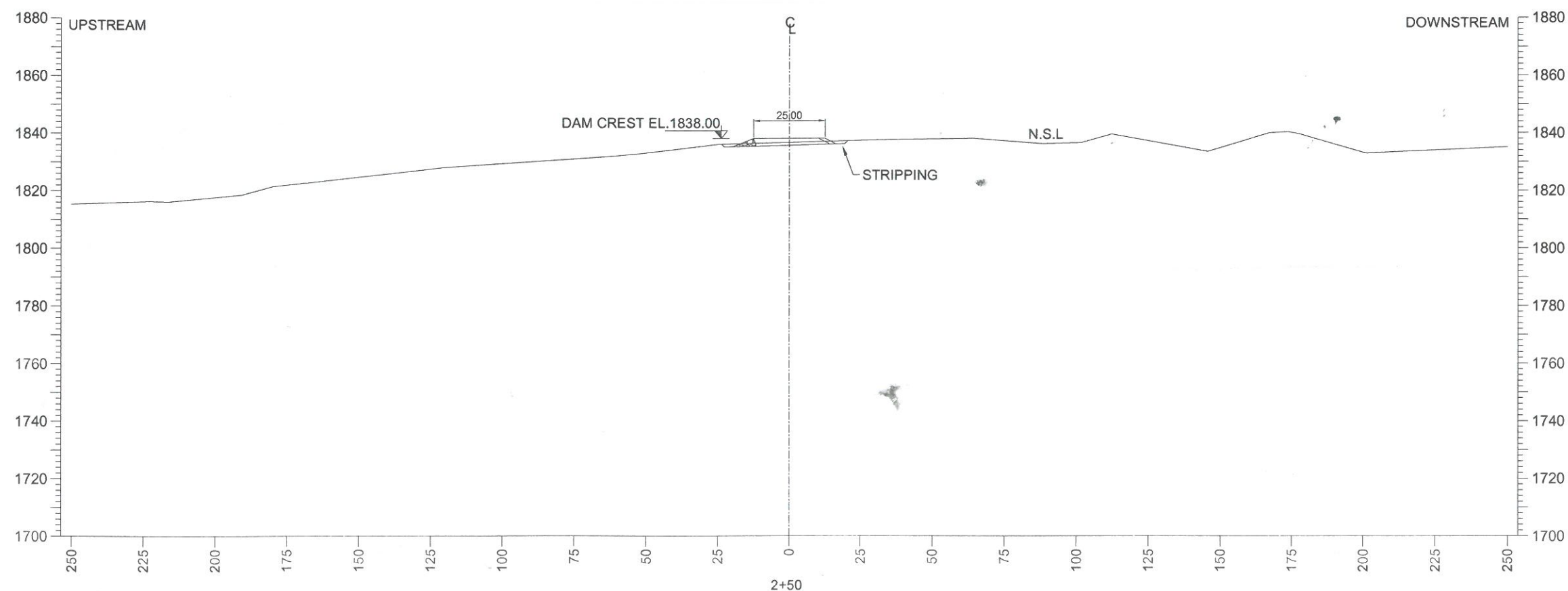
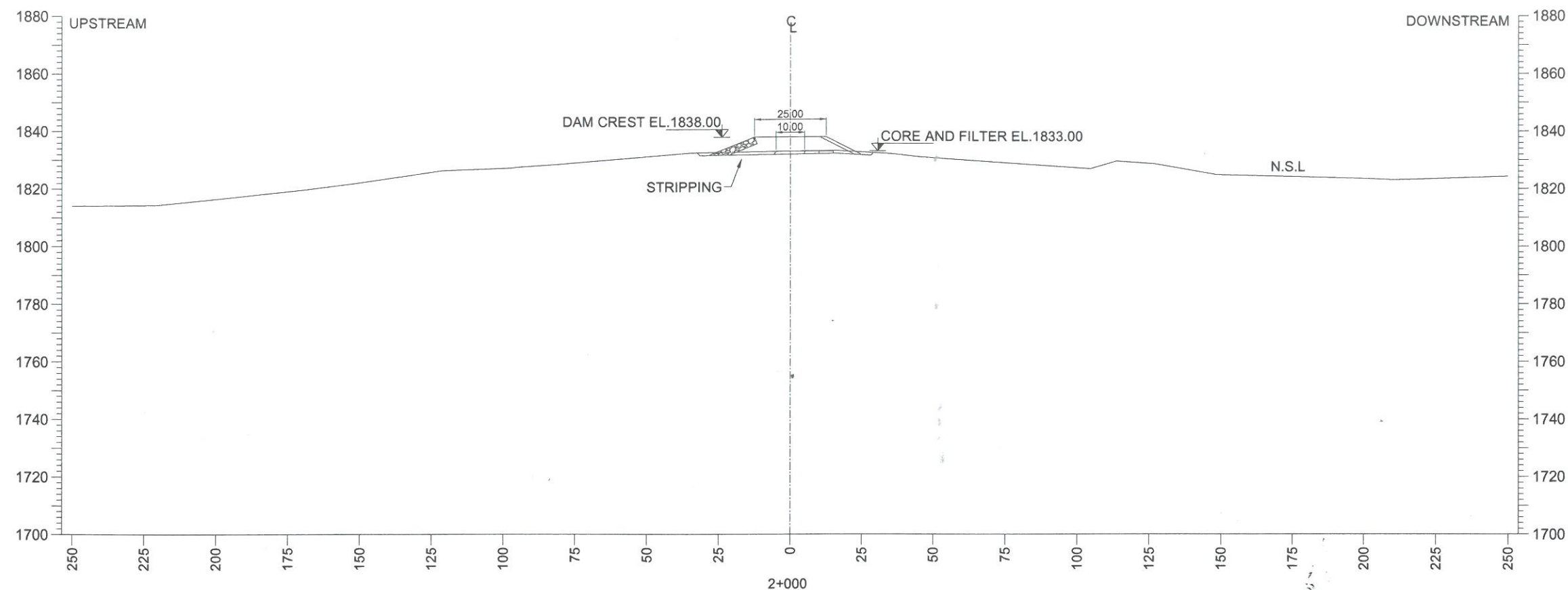


0 45 90 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT DAM X-SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
GADED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI	D-03	0
APPROVED:	ADNAN MANZOOR		

NOTES

ALL DIMENSIONS AND LEVELS ARE IN FEET.



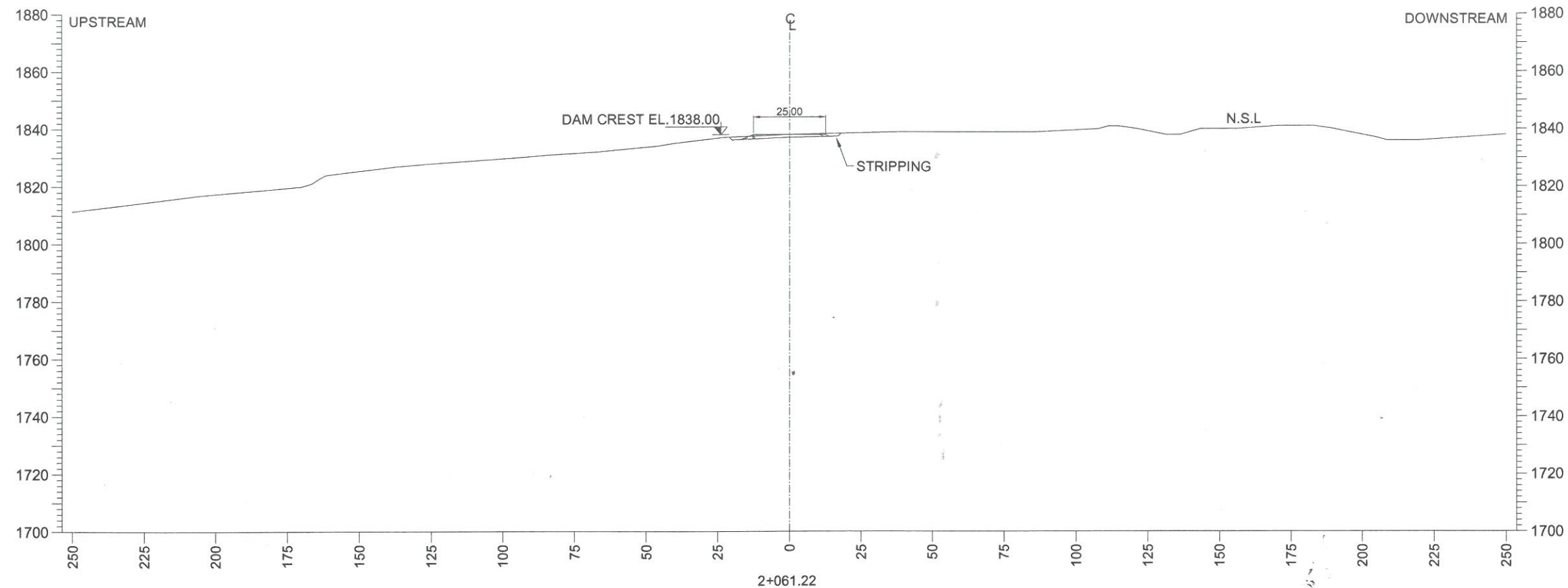
SHEET 21 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0

NOTES

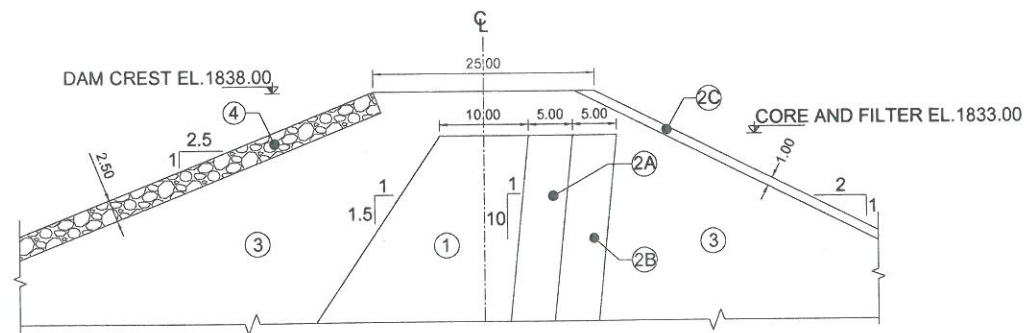
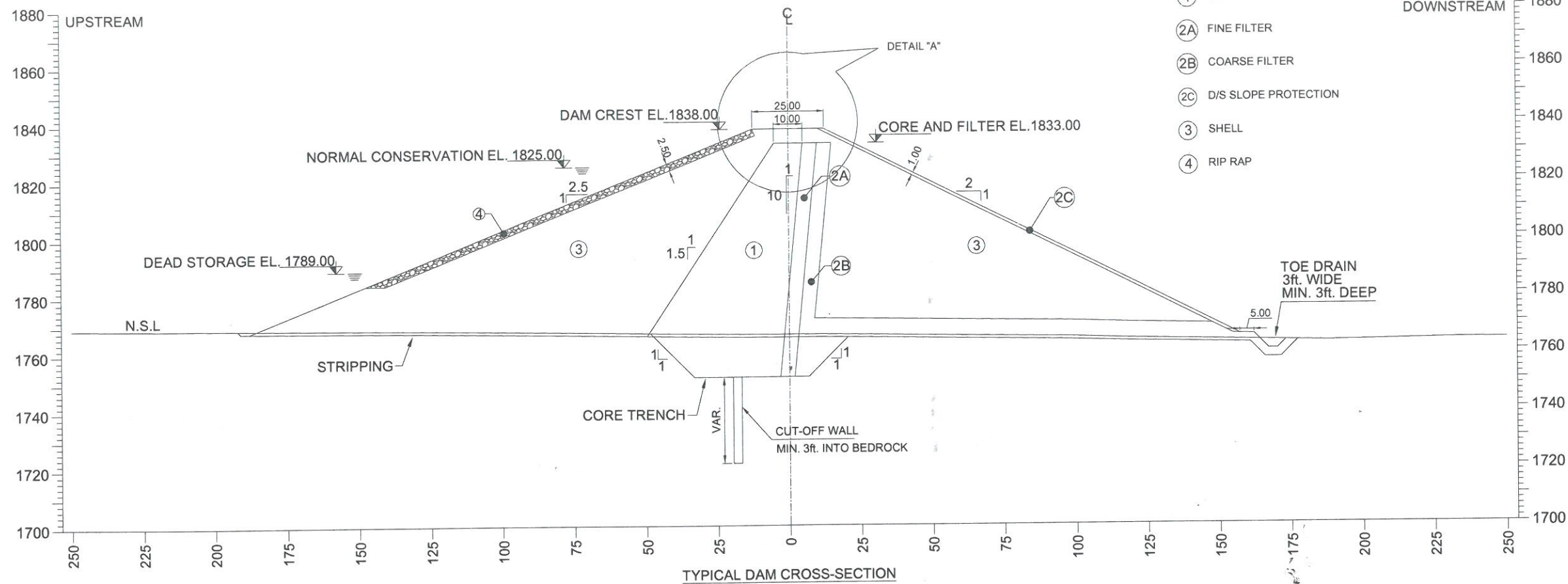
ALL DIMENSIONS AND LEVELS ARE IN FEET.



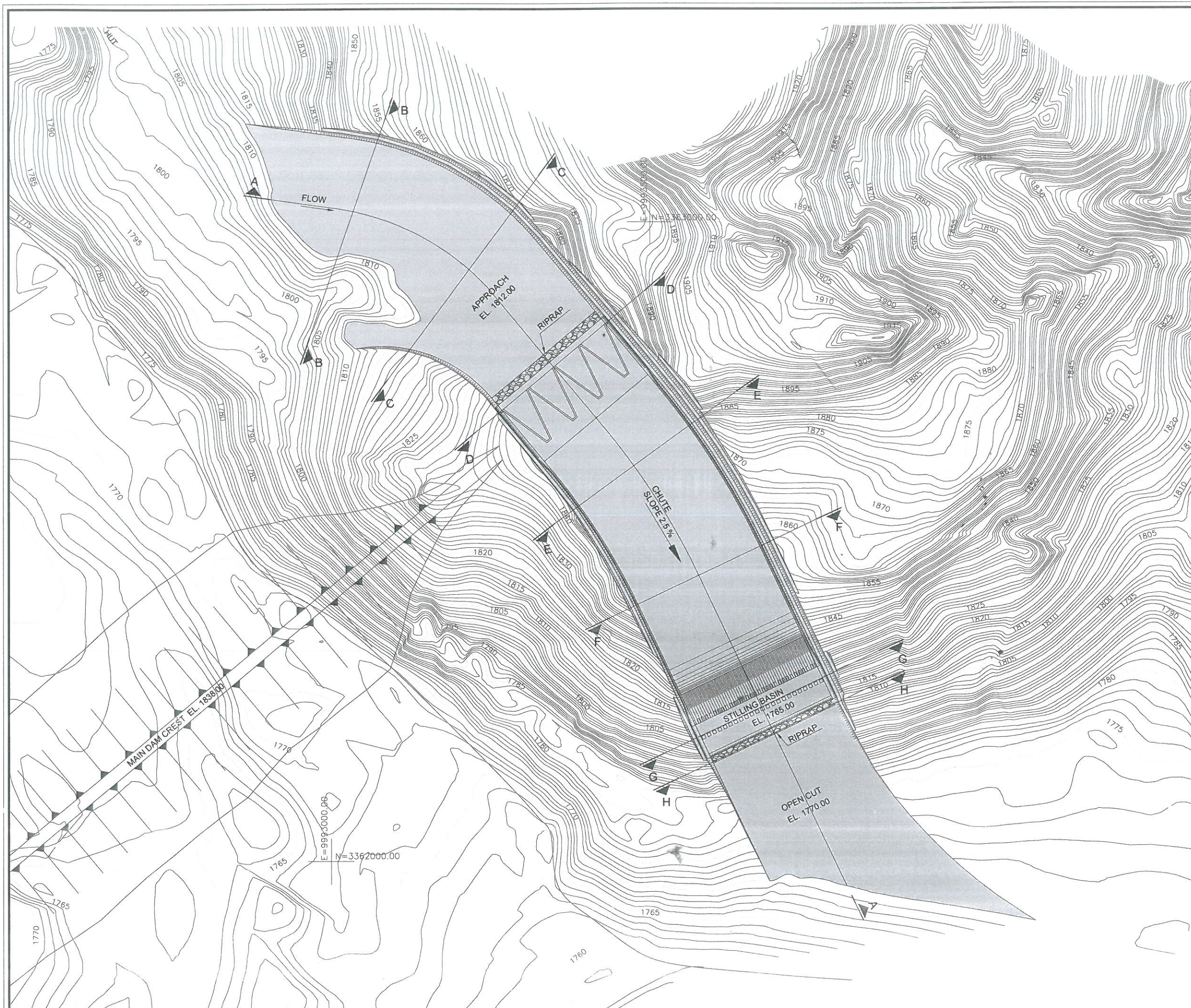
SHEET 22 OF 22



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM X-SECTIONS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
DESIGNED:	AHMED SHAHZAWAR	DRAWING NO.	
CHECKED:	ASHFAQ ALI		
APPROVED:	ADNAN MANZOOR	D-03	0



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
DAM TYPICAL SECTION AND DETAIL			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE:	DEC-2023
CHECKED BY:	ADNAN MANZOOR	REV. No.	0
APPROVED BY:	ADNAN MANZOOR	DRAWING NO.	D-03



NOTES

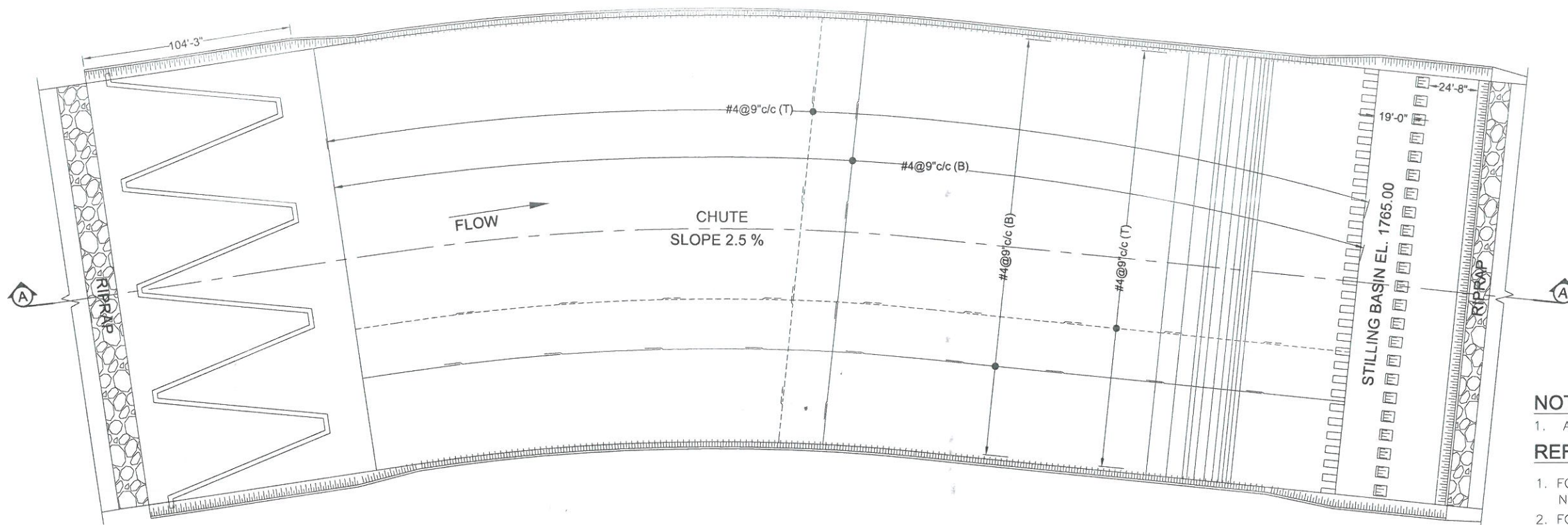
1. ALL DIMENSIONS AND LEVELS ARE IN FEET

REFERENCES

1. FOR GENERAL LAYOUT PLAN SEE DWG. NO. GEN-01
2. FOR L-SECTION SEE DWG. NO. 6.2
3. FOR X-SECTION SEE DWG. NO. 6.3 & 6.5 TO 6.7
4. FOR LABYRINTH PLAN & SECTION DWG. NO. 6.4

0 140 280 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT SPILLWAY LAYOUT PLAN			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	MOHSIN AHMAD	DATE:	JUNE 2009
CHECKED BY:	SHAHBAZ BUTT	REV. No.	
APPROVED BY:	SIBT UL HASSAN NAQVI	DRAWING NO.	6.1



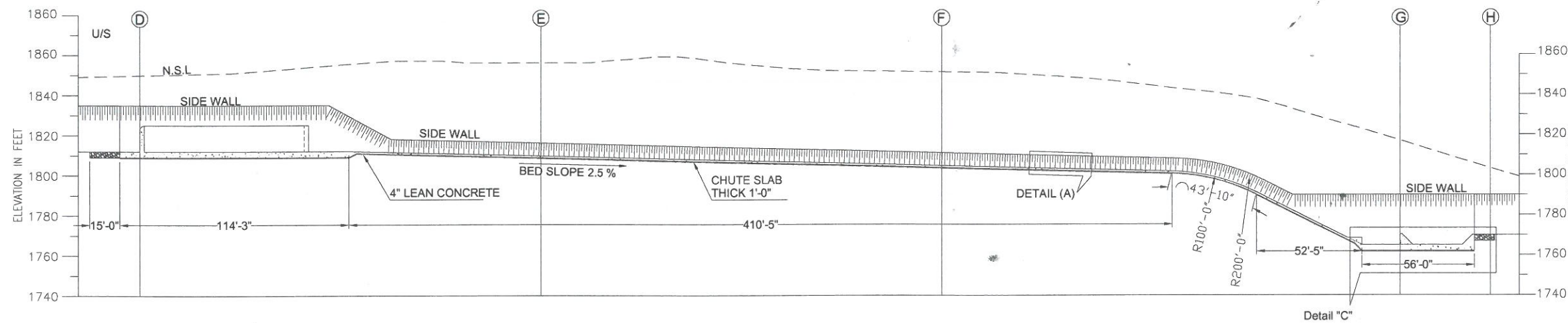
SPILLWAY PLAN

NOTES

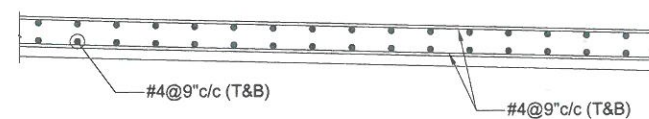
1. ALL DIMENSIONS AND LEVELS ARE IN FEET

REFERENCES

1. FOR GENERAL LAYOUT PLAN SEE DWG. NO. GEN-01
2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTION SEE DWG. NO. 6.3 & 6.5 TO 6.7
4. FOR LABYRINTH PLAN & SECTION DWG. NO. 6.4



SECTION A-A



DETAIL (A)

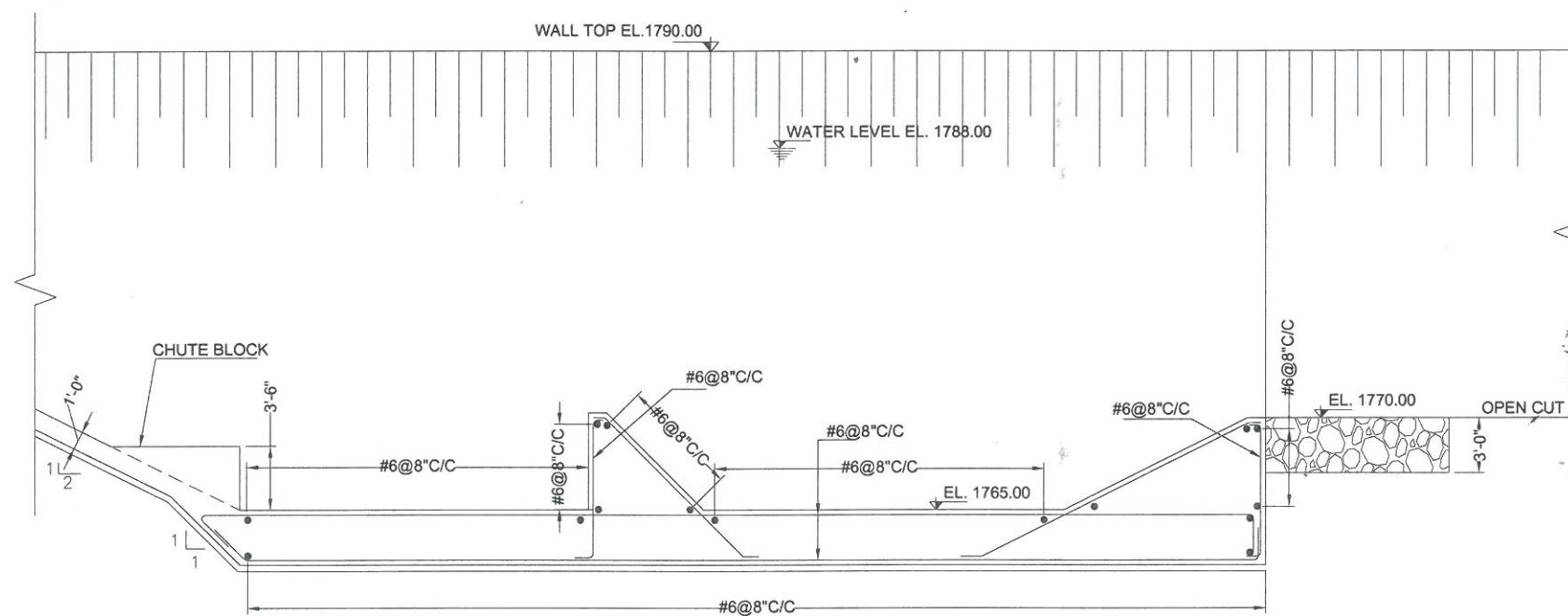
S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN SPILLWAY PLAN AND L-SECTION REINFORCEMENT DETAIL			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2009	REV. No.
DESIGNED:	SHAHBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.2	
APPROVED:	SIBT UL HASSAN NAQVI		

NOTES

1. ALL DIMENSIONS AND LEVELS ARE IN FEET

REFERENCES

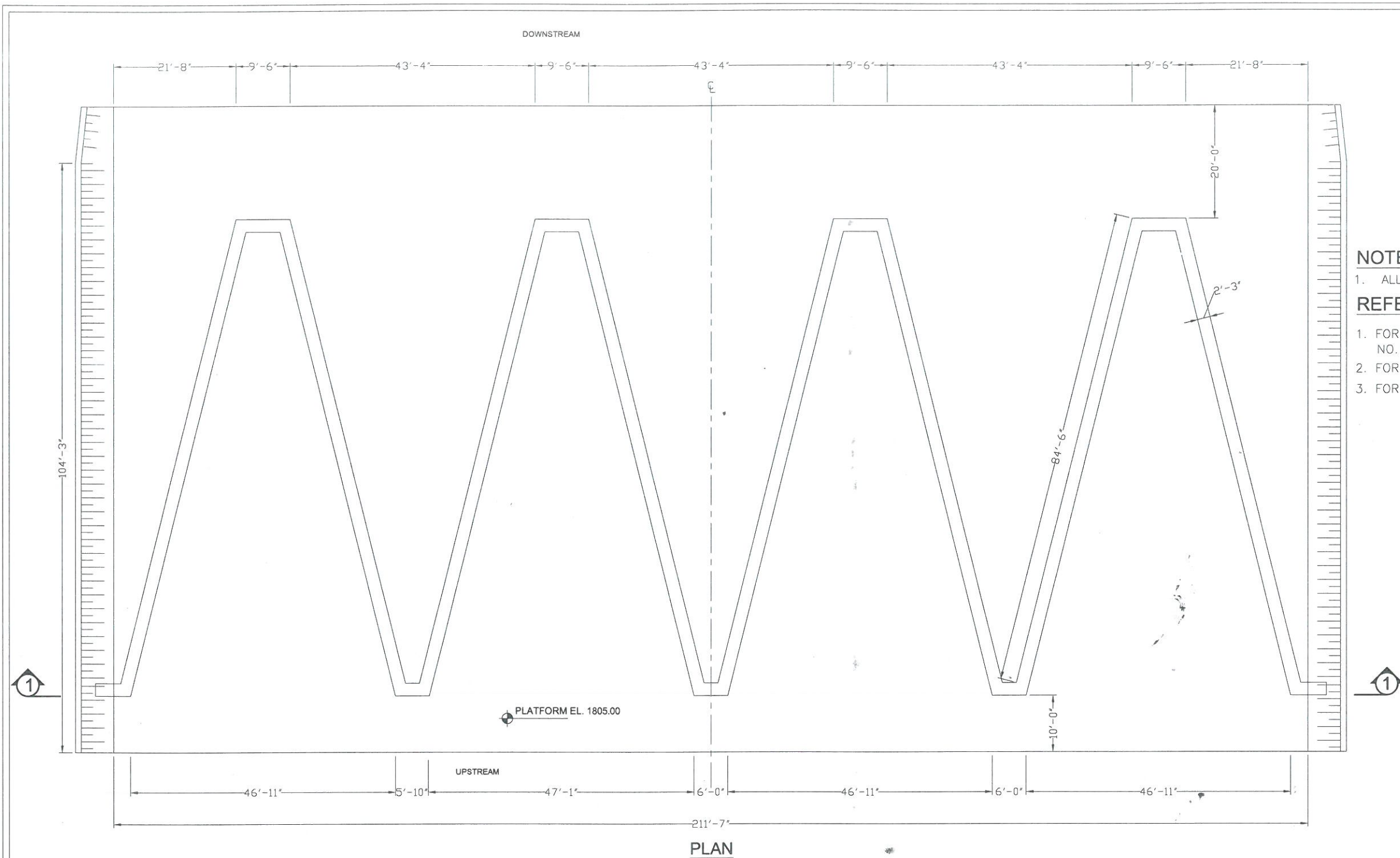
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2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTION SEE DWG. NO. 6.5 TO 6.7
4. FOR LABYRINTH PLAN & SECTION DWG. NO. 6.4



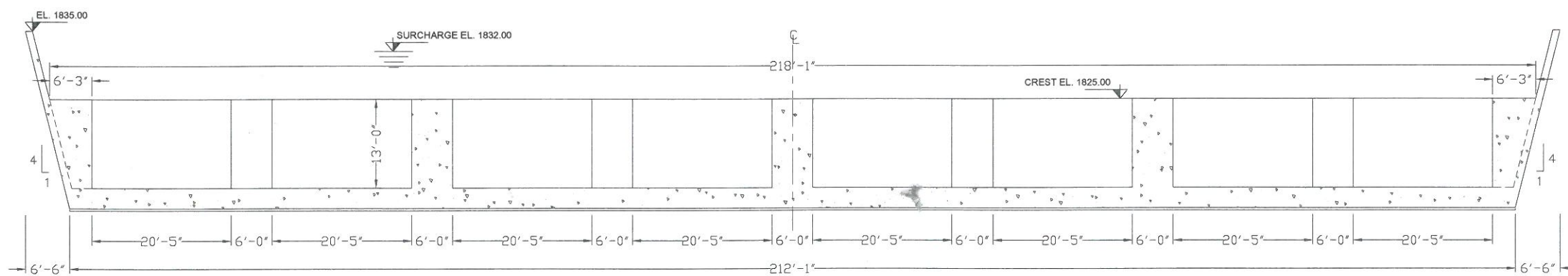
DETAIL C
STILLING BASIN



S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN SPILLWAY STILLING BASIN DETAIL			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2009	REV. No.
DESIGNED:	SHAHBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.3	
APPROVED:	SIBT UL HASSAN NAQVI		



PLAN



SECTION A-A

NOTES

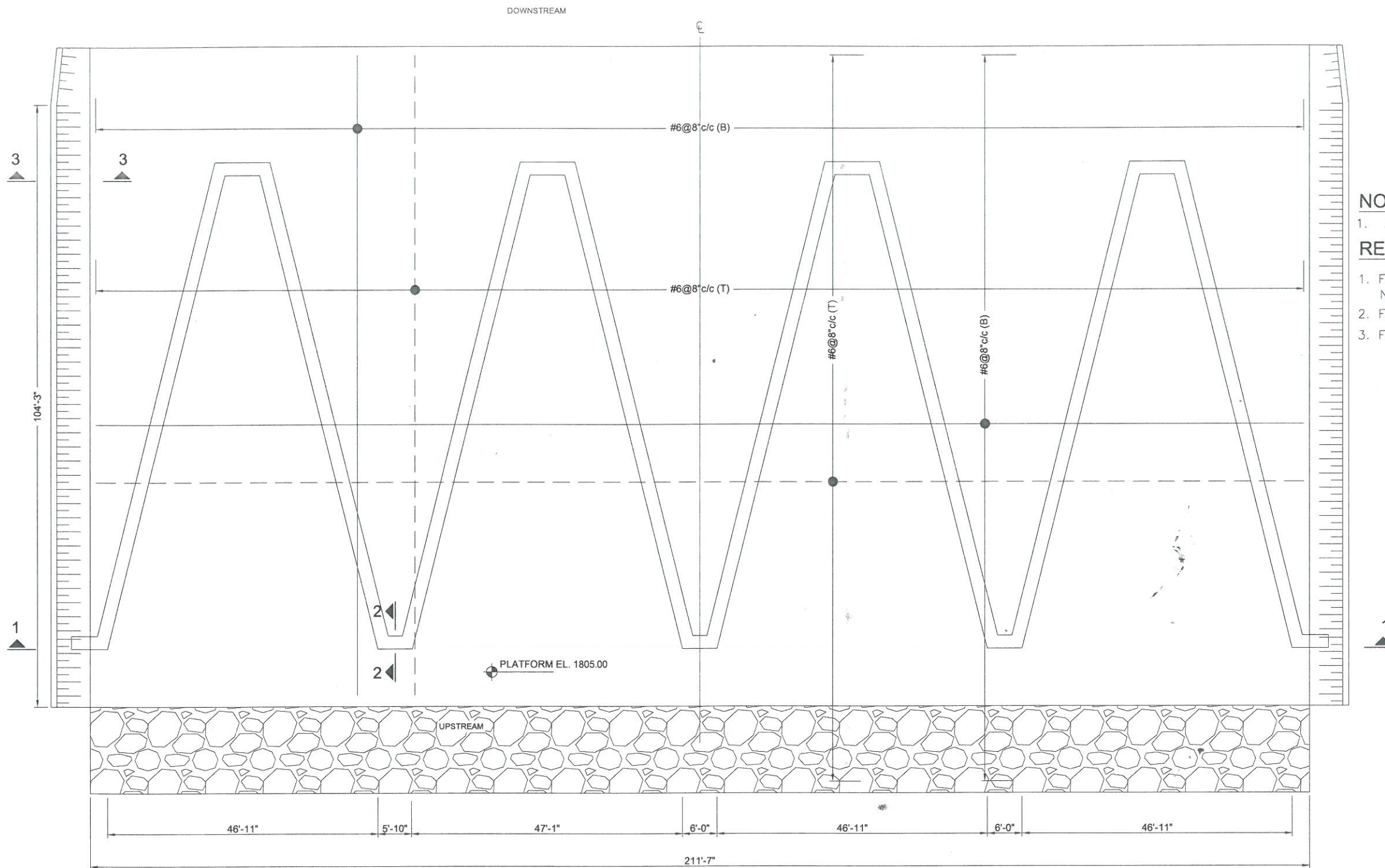
1. ALL DIMENSIONS AND LEVELS ARE IN FEET

REFERENCES

1. FOR GENERAL LAYOUT PLAN SEE DWG. NO. GEN-01
2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTIONS SEE DWG. NO.6.3, 6.5 TO 6.7

0 20 40 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN SPILLWAY LABYRINTH PLAN & SECTION			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A. LAHORE.			
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2009	REV. No.
DESIGNED:	SHANBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.4	
APPROVED:	SIBT UL HASSAN NAQVI		



REINFORCEMENT PLAN

NOTES

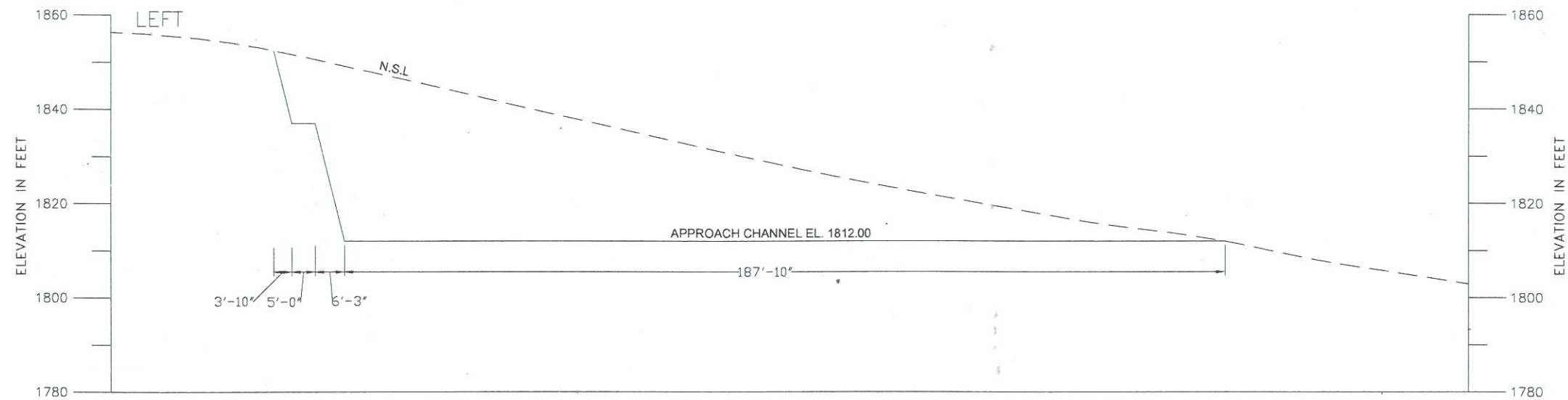
1. ALL DIMENSIONS AND LEVELS ARE IN FEET

REFERENCES

1. FOR GENERAL LAYOUT PLAN SEE DWG. NO. GEN-01
2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTIONS SEE DWG. NO.6.3, 6.5 TO 6.7

0 20 40 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
		SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT	
		SMALL DAM PROJECT	
		SUMARI PAYAN SPILLWAY LABYRINTH PLAN REINFORCEMENT	
		PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.	
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2009	REV. No.
DESIGNED:	SHAHBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.4	
APPROVED:	SIBT UL HASSAN NAQVI		



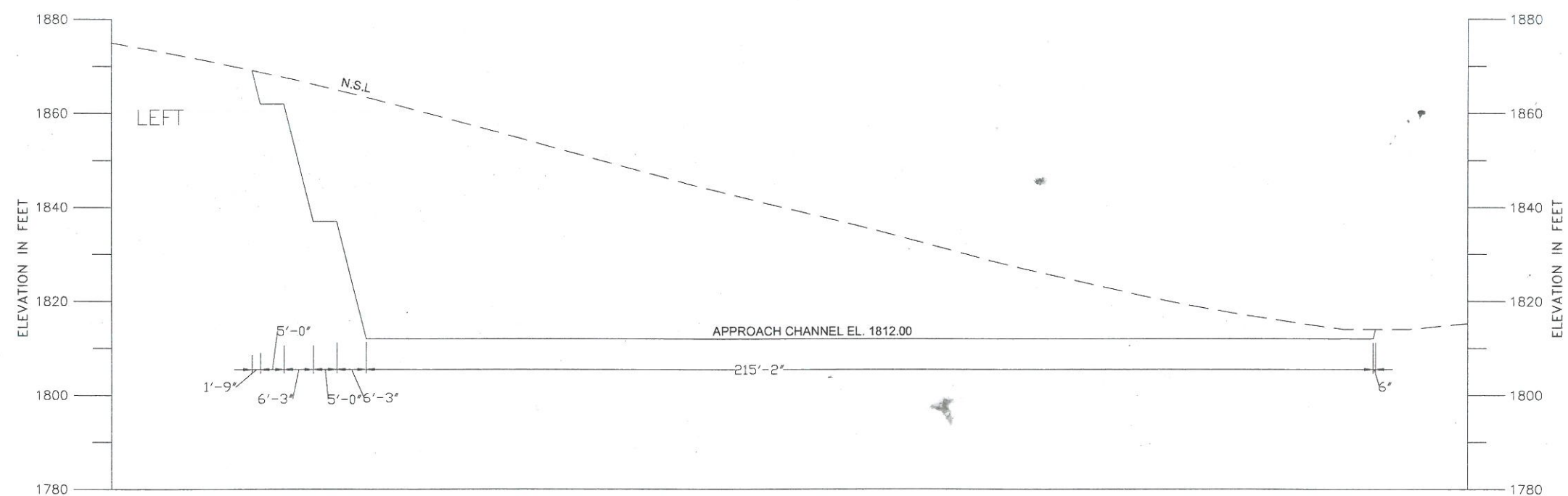
SECTION B-B

NOTES

1. ALL DIMENSIONS AND LEVELS ARE IN FEET

REFERENCES

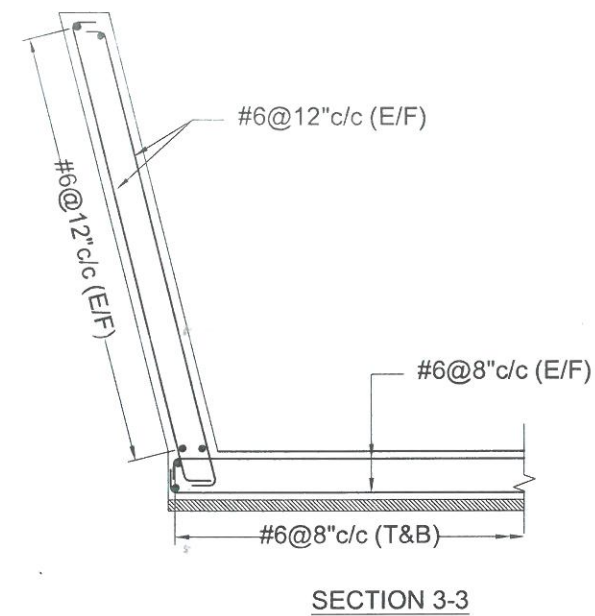
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2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTION SEE DWG. NO. 6.3, 6.4, 6.6 & 6.7
4. FOR LABYRINTH PLAN & SECTION DWG. NO. 6.4



SECTION C-C

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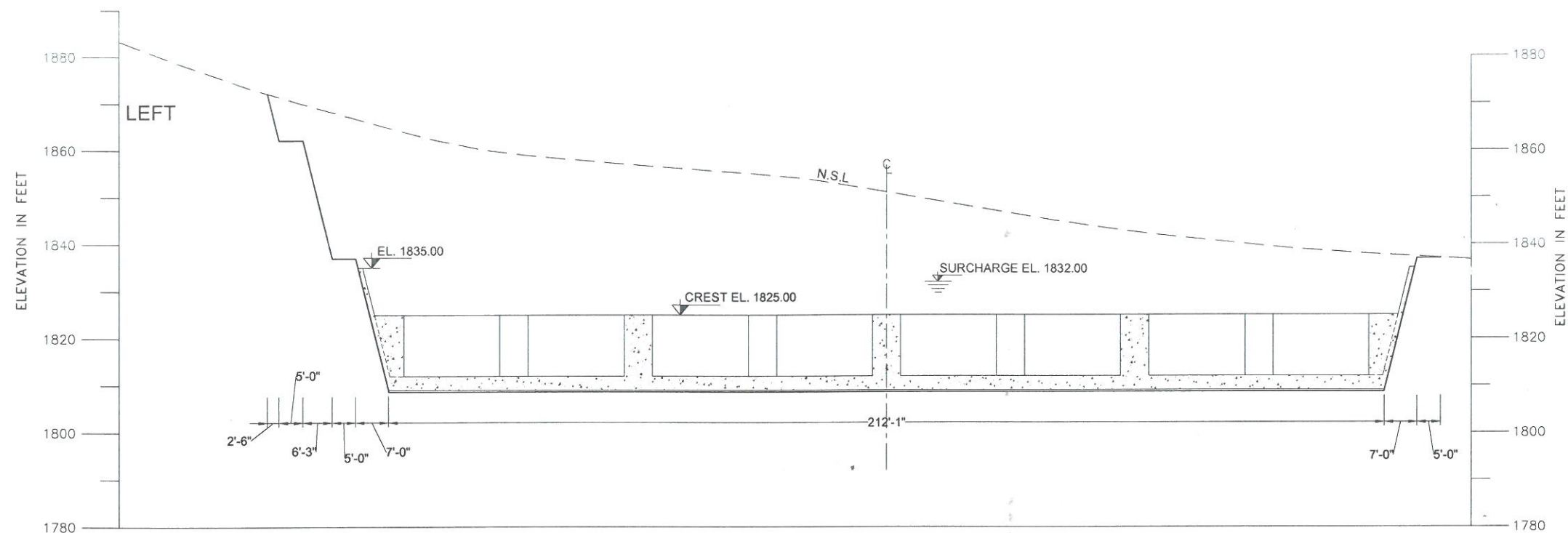
S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN SPILLWAY X-SECTIONS B-B & C-C			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A. LAHORE.			
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2006	REV. No.
DESIGNED:	SHAHBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.5	
APPROVED:	SIBT UL HASSAN NAQVI		



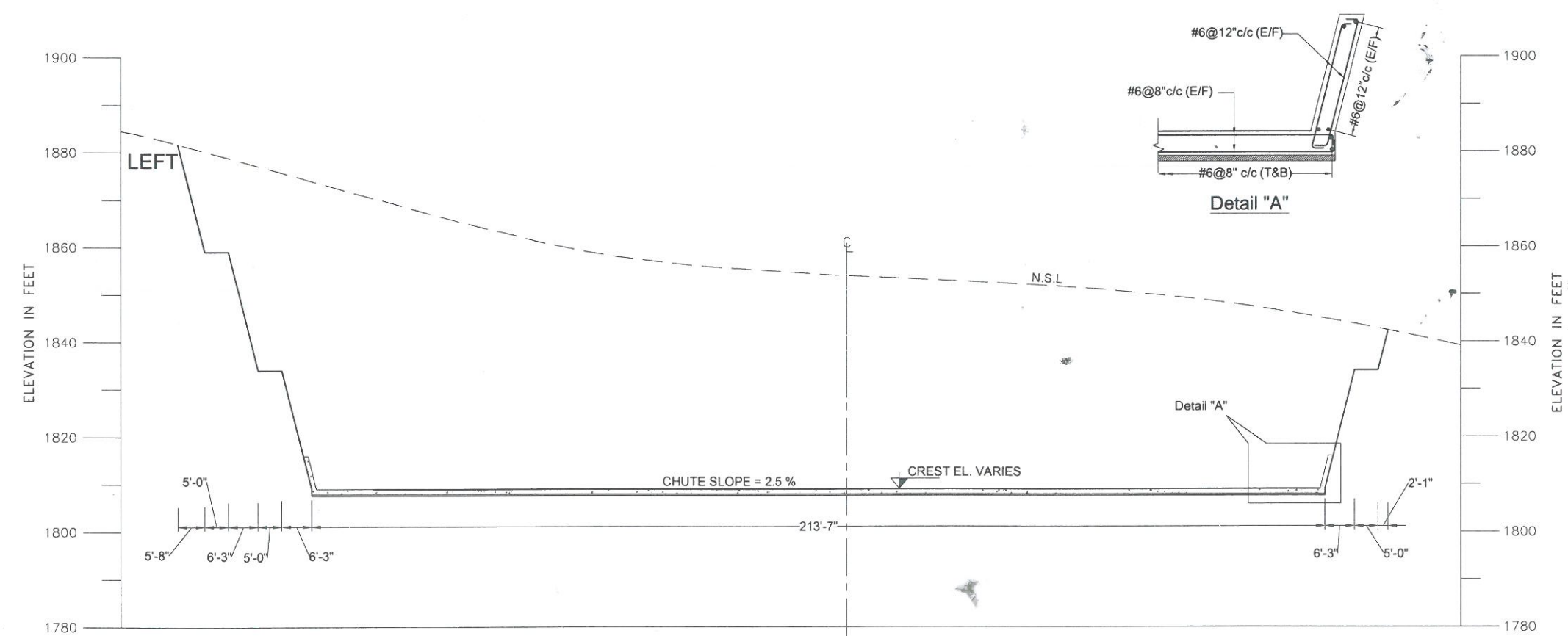
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2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTIONS SEE DWG. NO.6.3, 6.5 TO 6.7



S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN SPILLWAY LABYRINTH SECTION REINFORCEMENT			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A. LAHORE.			
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2009	REV. No.
DESIGNED:	SHAHBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.4	
APPROVED:	SIBT UL HASSAN NAQVI		



SECTION D-D



SECTION E-E

NOTES

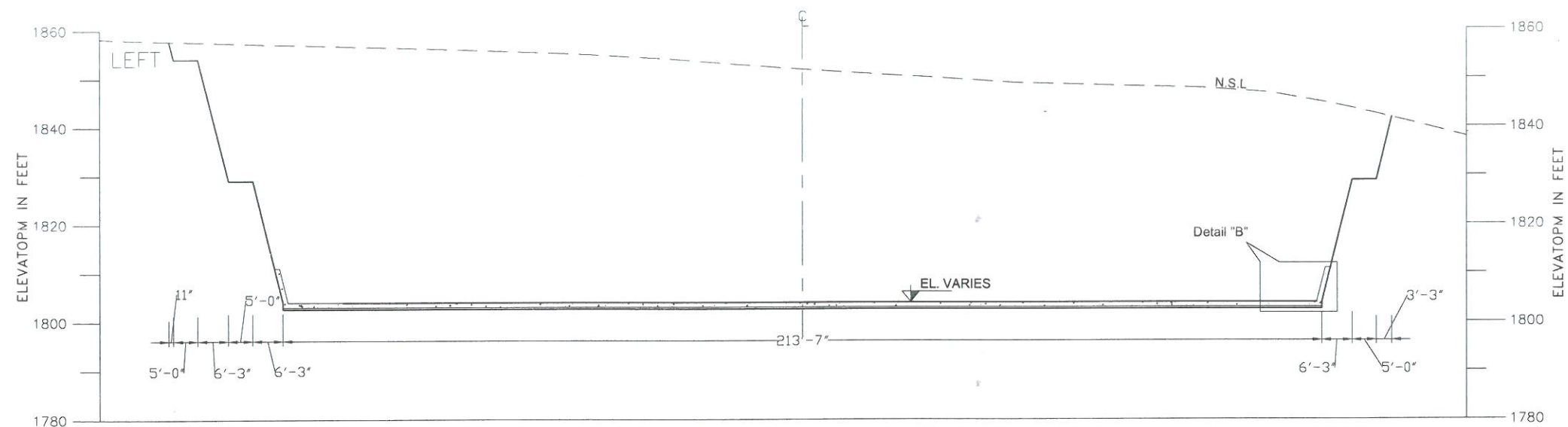
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REFERENCES

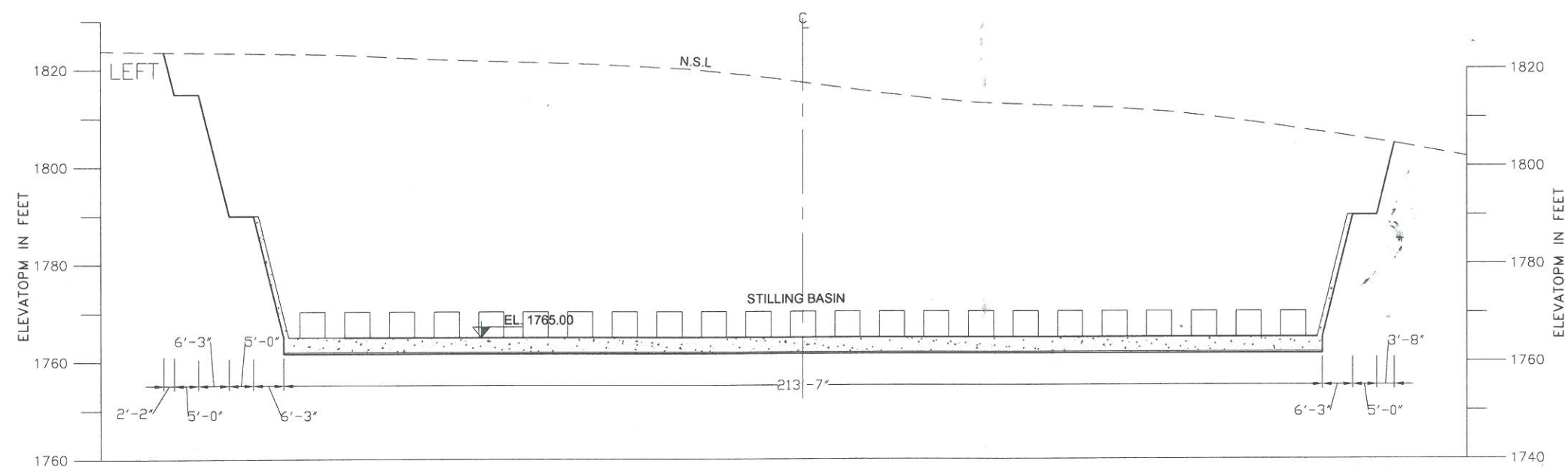
1. FOR GENERAL LAYOUT PLAN SEE DWG. NO. GEN-01
2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTION SEE DWG. NO. 6.3 TO 6.5 & 6.7
4. FOR LABYRINTH PLAN & SECTION DWG. NO. 6.4

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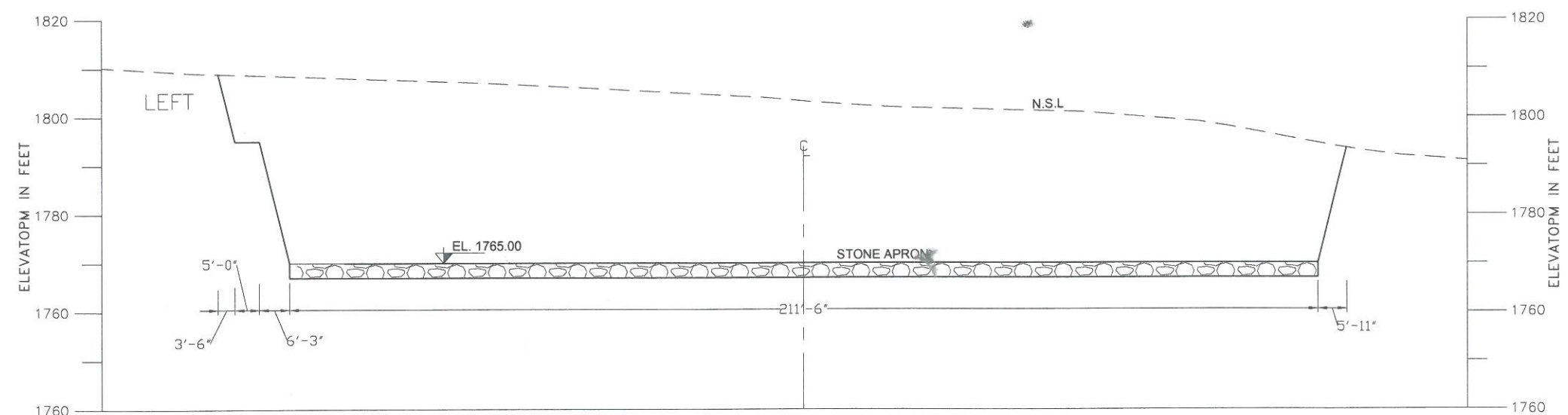
S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM SPILLWAY X-SECTIONS D-D & E-E			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2009	REV. No.
DESIGNED:	SHAHBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.6	
APPROVED:	SIBT UL HASSAN NAQVI		



SECTION F-F



SECTION G-G



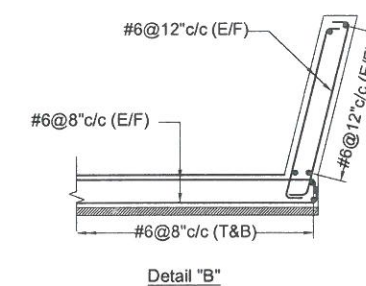
SECTION H-H

NOTES

1. ALL DIMENSIONS AND LEVELS ARE IN FEET

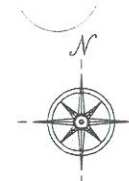
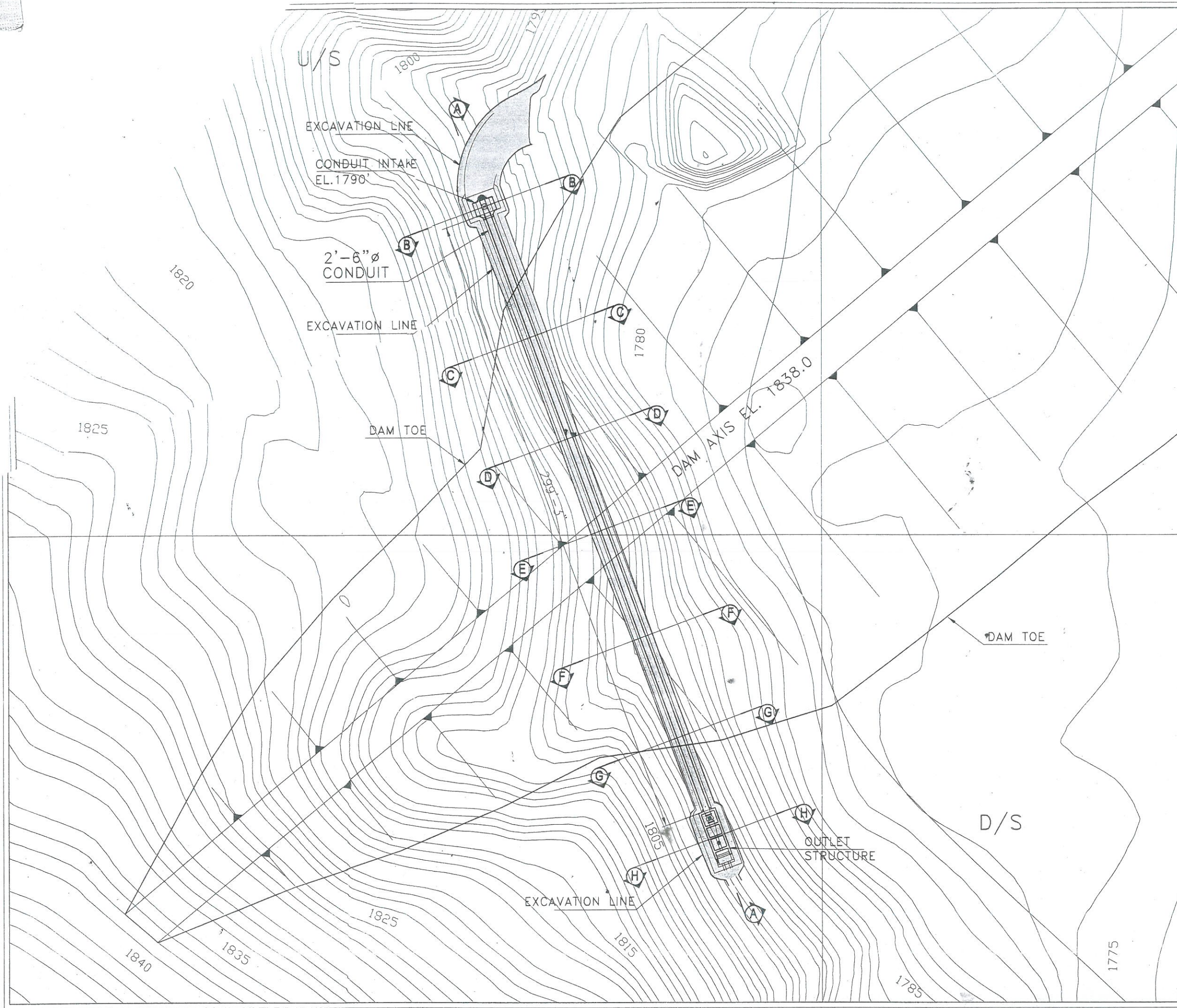
REFERENCES

1. FOR GENERAL LAYOUT PLAN SEE DWG. NO. GEN-01
2. FOR SPILLWAY LAYOUT PLAN SEE DWG. NO. 6.1
3. FOR X-SECTION SEE DWG. NO. 6.3 TO 6.6
4. FOR LABYRINTH PLAN & SECTION DWG. NO. 6.4



0 50 100 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM SPILLWAY X-SECTIONS F-F, G-G & H-H			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	MOHSIN AHMAD	DATE: JUNE 2009	REV. No.
DESIGNED:	SHAHBAZ BUTT	DRAWING NO.	
CHECKED:	SIBT UL HASSAN NAQVI	6.7	
APPROVED:	SIBT UL HASSAN NAQVI		



REFERENCE DRAWINGS

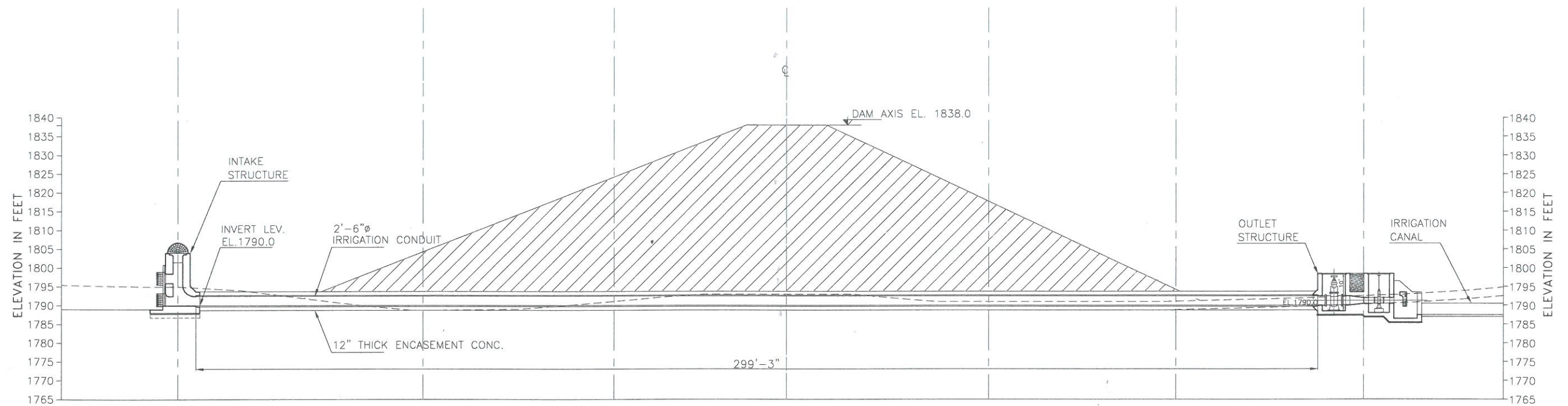
1. FOR CONDUIT SECTIONS AND DETAILS
SEE DWG. NO. SDP-CON-7.2 TO 7.8

NOTE

ALL DIMENSIONS AND LEVELS ARE IN FEET.



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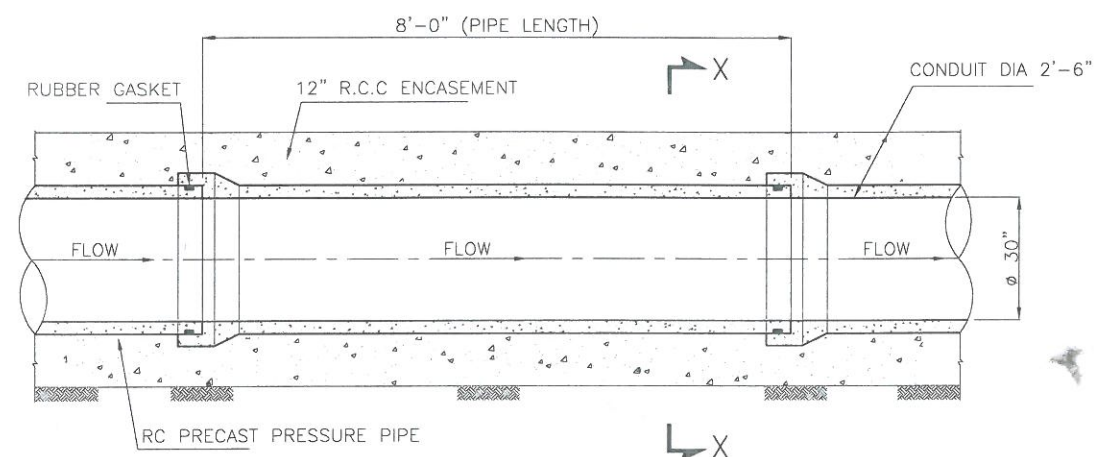
LONGITUDINAL SECTION A-A

REFERENCE DRAWINGS

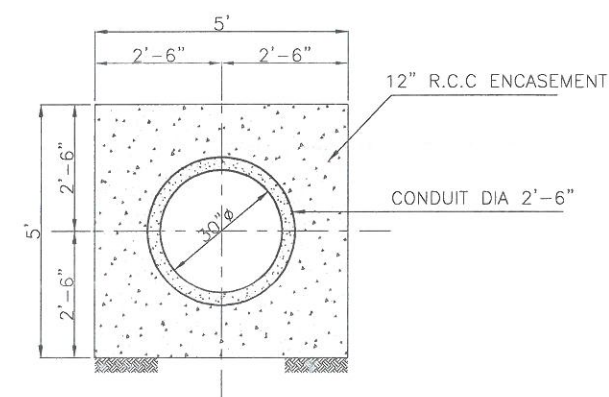
1. FOR CONDUIT LAYOUT PLAN SEE DWG. NO. 7.1
2. FOR X-SECTIONS SEE DWG. NO. 7.3 TO 7.8

NOTE

1. ALL DIMENSIONS AND LEVELS ARE IN FEET.



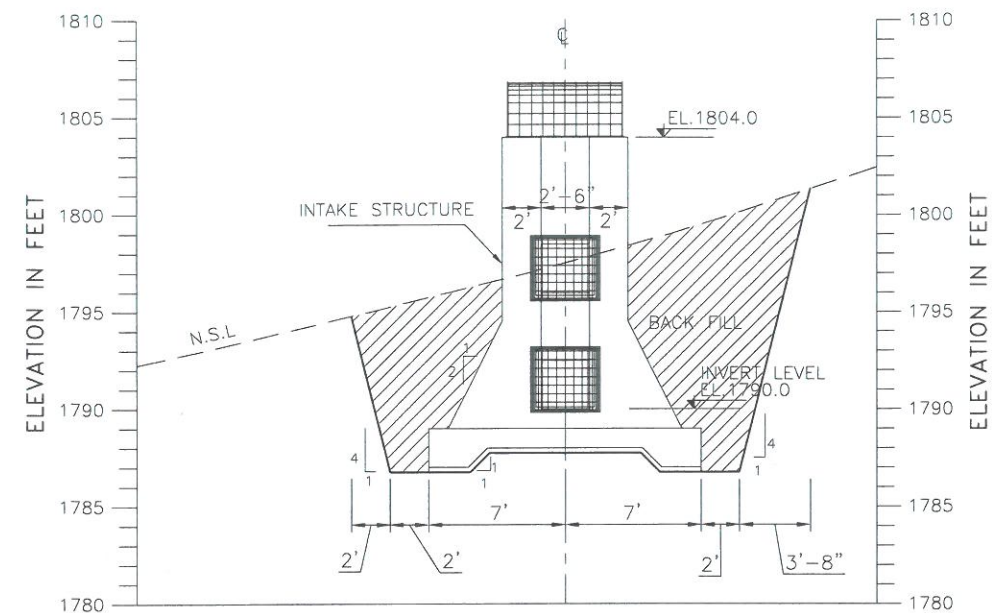
IRRIGATION CONDUIT DETAIL (TYP.)



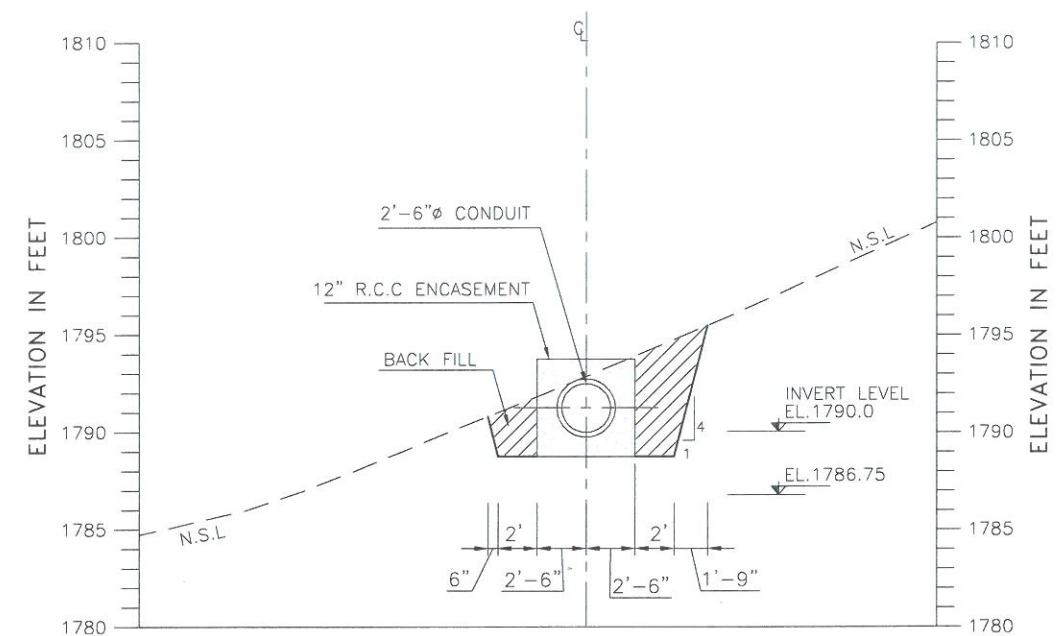
SECTION X-X

0 30 60 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM			
CONDUIT LONGITUDINAL SECTION			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A. LAHORE.			
DRAWN:	ZAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ZESHAN	DRAWING NO.	
CHECKED:	D.K. KIRMANI	7.2	
APPROVED:	SIBT UL HASSAN NAQVI		



SECTION B-B



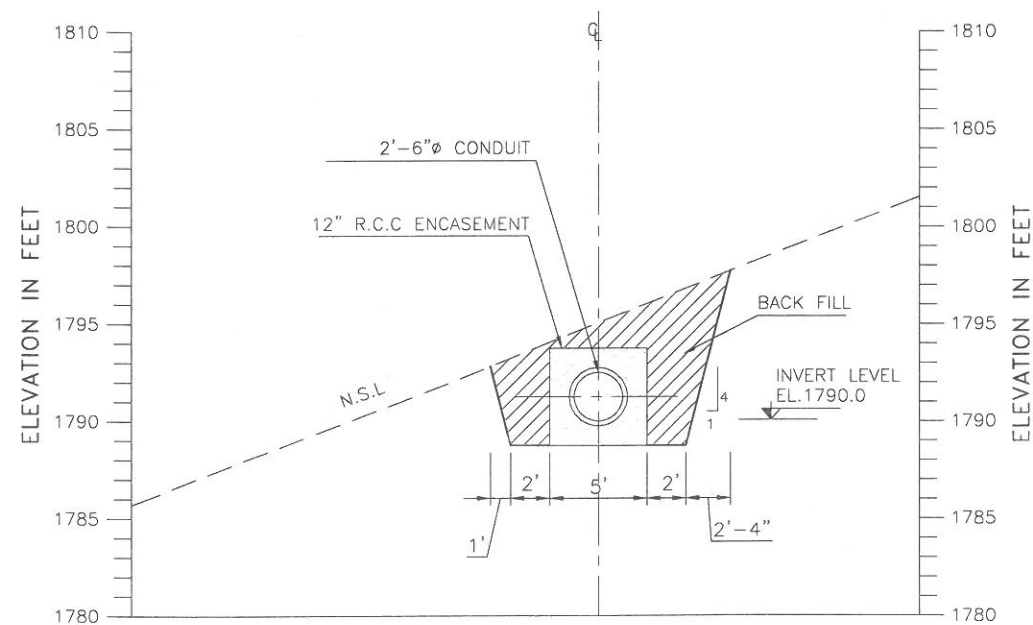
SECTION C-C

REFERENCE DRAWINGS

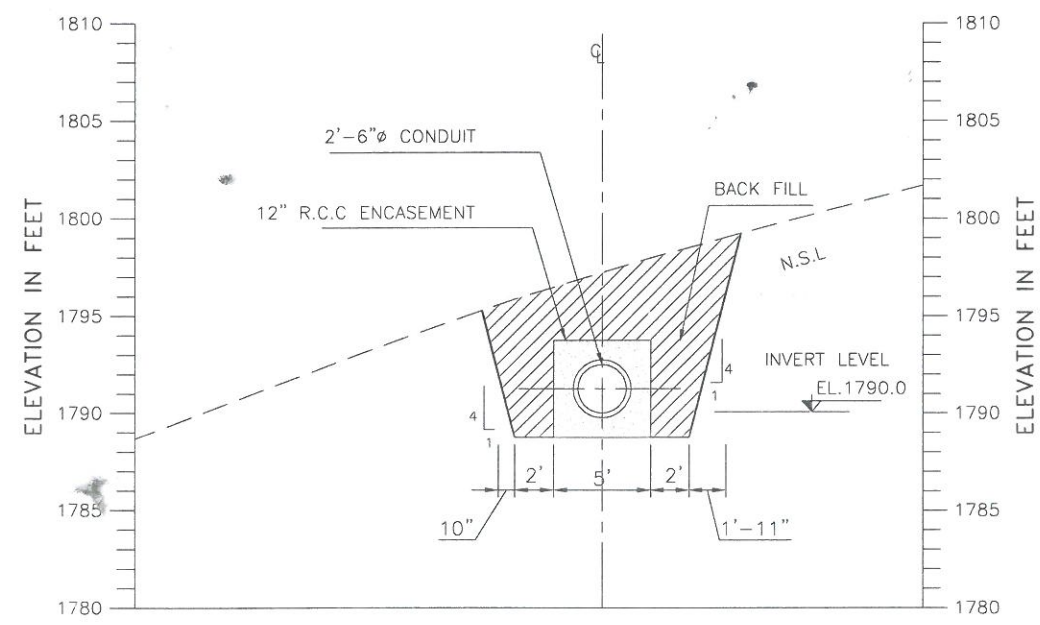
1. FOR CONDUIT LAYOUT PLAN SEE DWG. NO. 7.1
2. FOR SECTIONS SEE DWG. NO. 7.2 & 7.4
3. FOR DETAILS SEE DWG. NO. 7.5 TO 7.8

NOTE

1. ALL DIMENSIONS AND LEVELS ARE IN FEET.



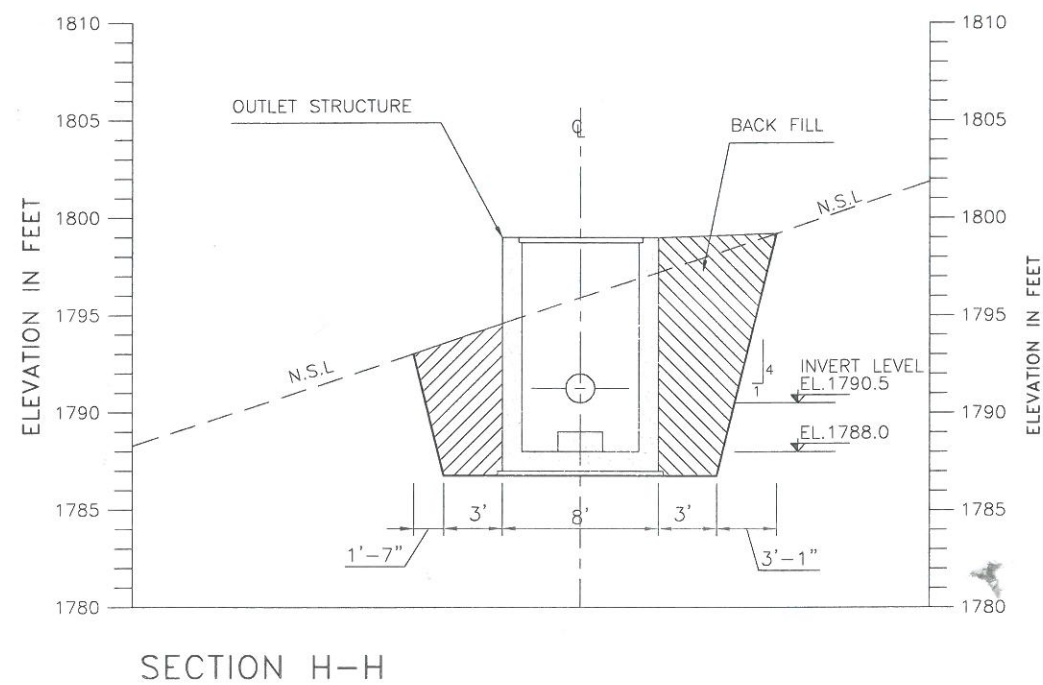
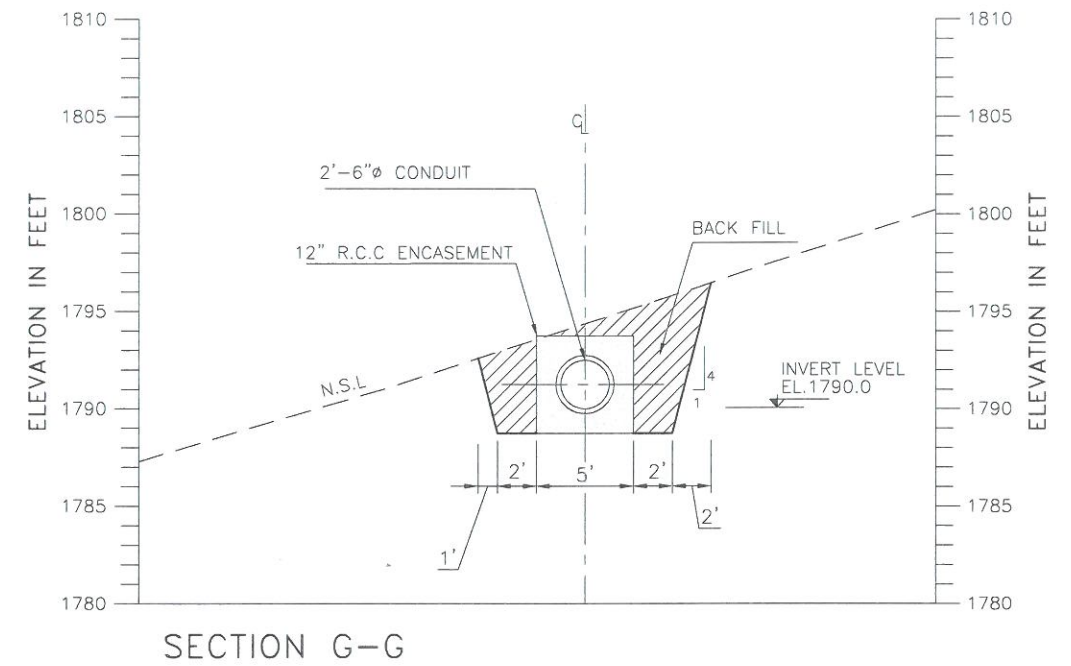
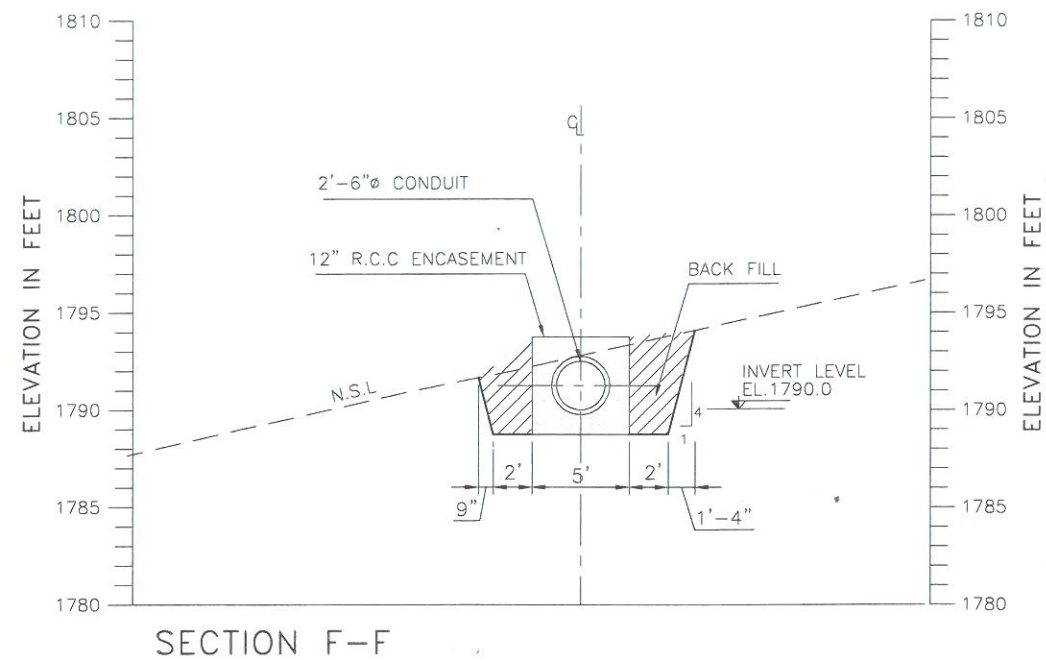
SECTION D-D



SECTION E-E

0 15 30 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM CONDUIT CROSS SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	ZAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ZESHAN	DRAWING NO.	
CHECKED:	D.K. KIRMANI	7.3	
APPROVED:	SIBT UL HASSAN NAQVI		



REFERENCE DRAWINGS

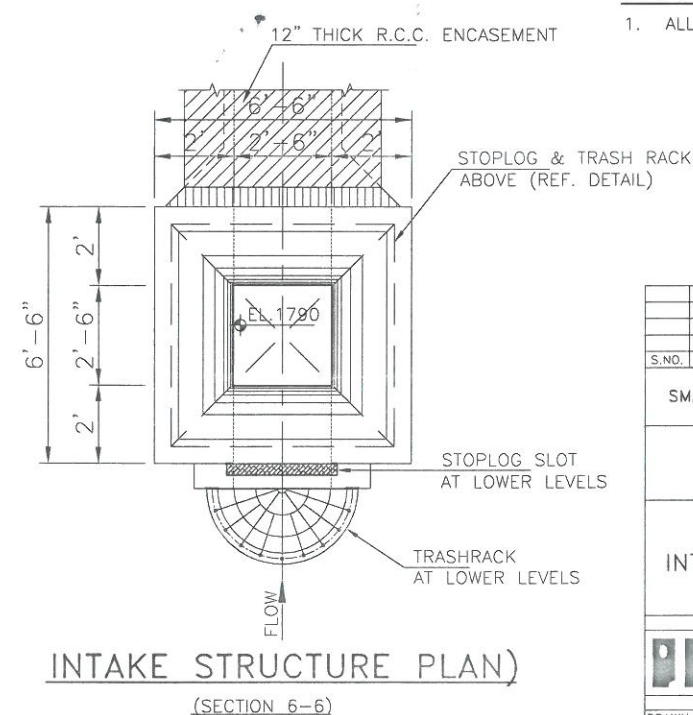
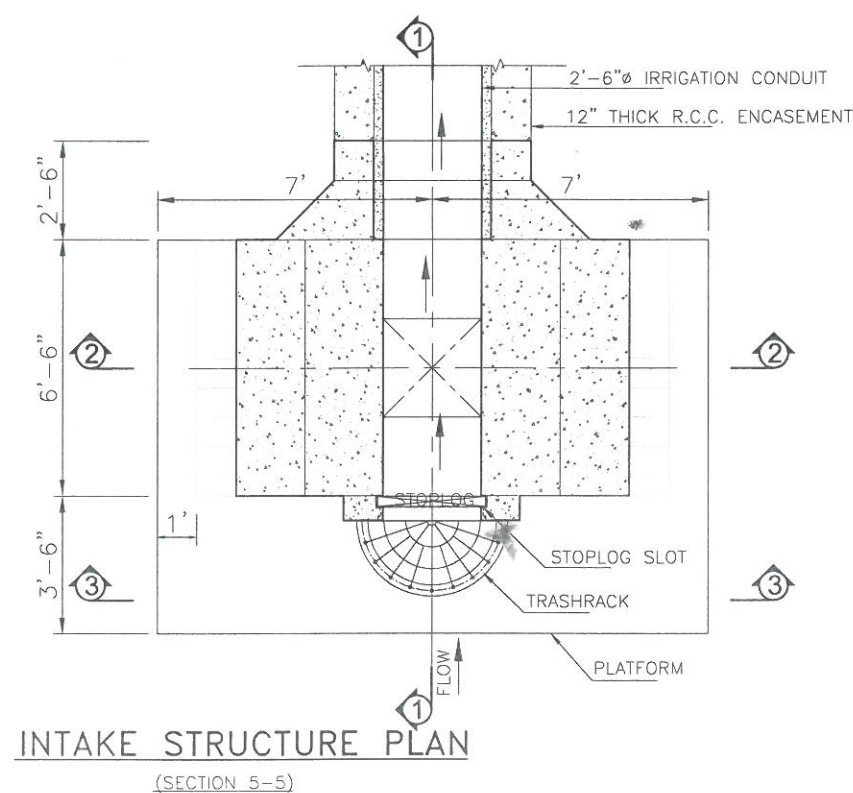
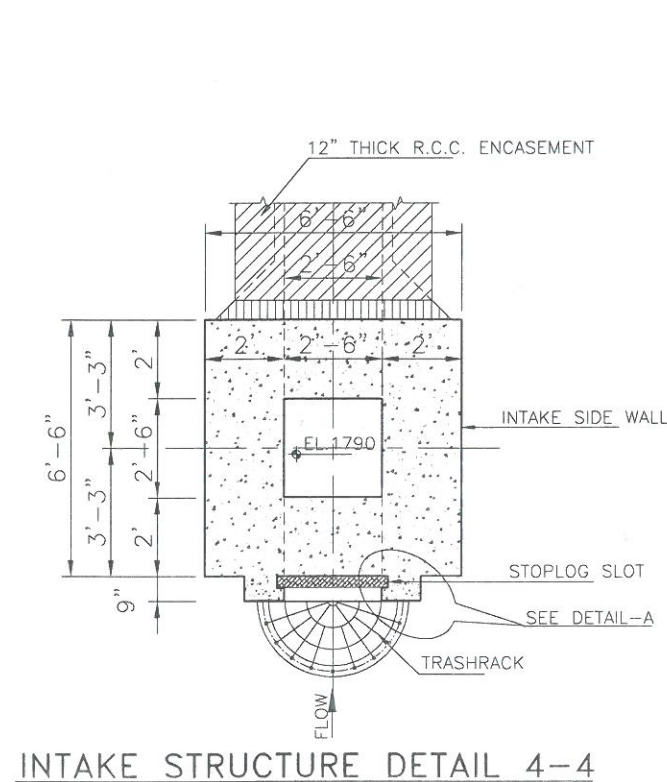
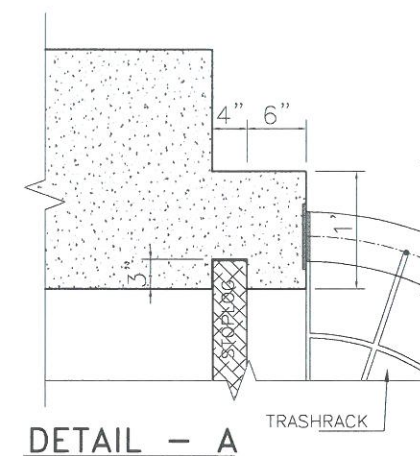
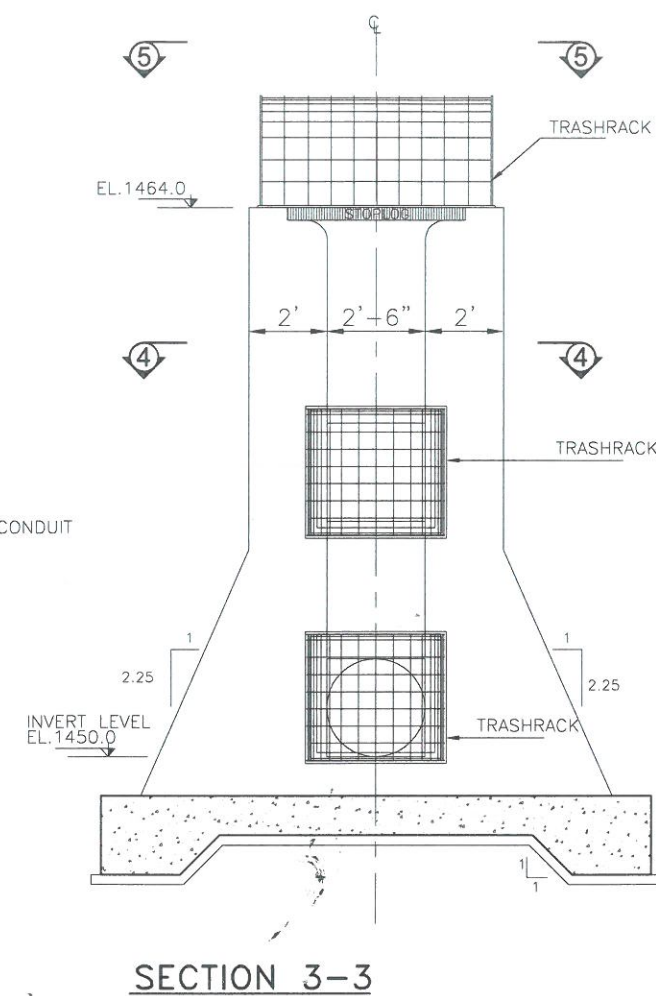
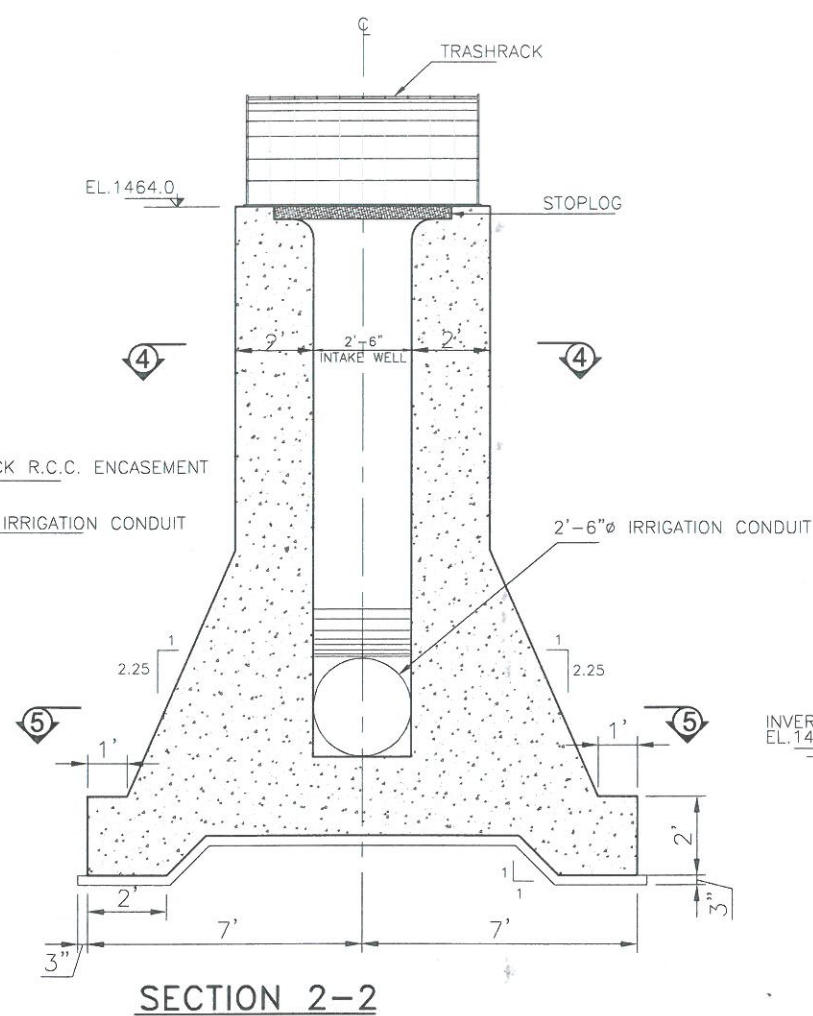
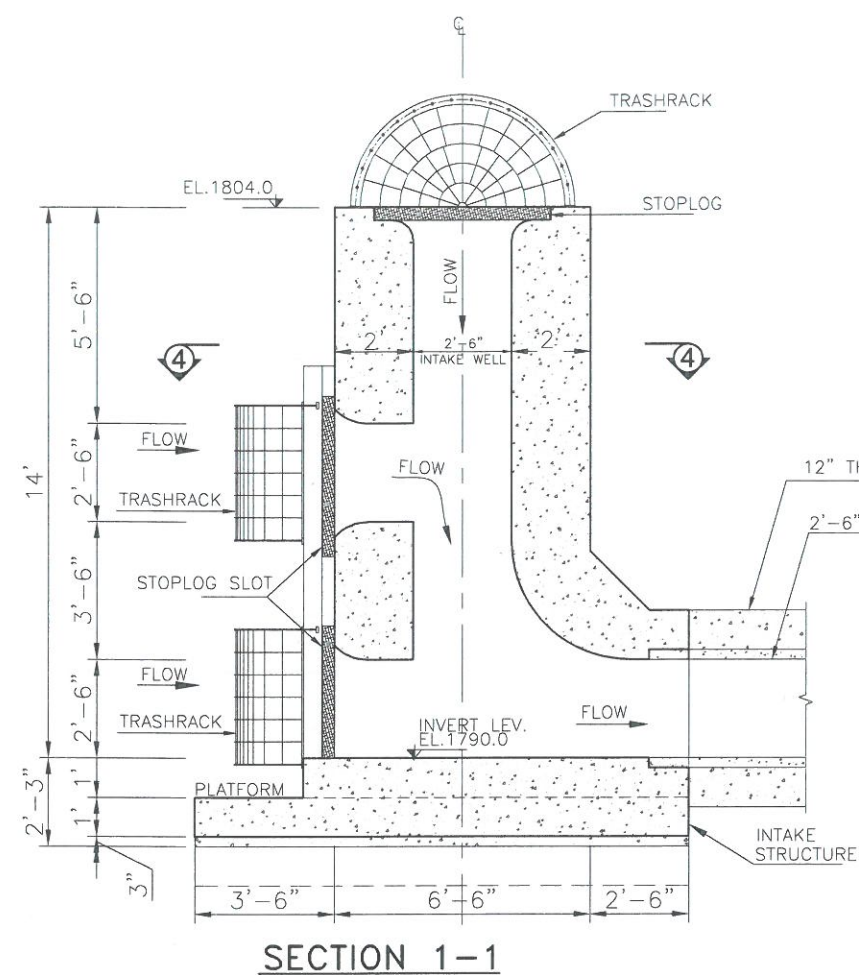
1. FOR CONDUIT LAYOUT PLAN SEE DWG. NO. 7.1
2. FOR SECTION SEE DWG. NO. 7.2 & 7.3
3. FOR DETAILS SEE DWG. NO. 7.5 TO 7.8

NOTE

1. ALL DIMENSIONS AND LEVELS ARE IN FEET.

0 15 30 FEET

S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM CONDUIT CROSS SECTIONS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 18B -Y, COMMERCIAL AREA, PHASE-III, D.H.A., LAHORE.			
DRAWN:	SAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ZESHAN	DRAWING NO.	
CHECKED:	D.K. KIRMANI	7.4	
APPROVED:	SIBT UL HASSAN NAQVI		



REFERENCE DRAWINGS

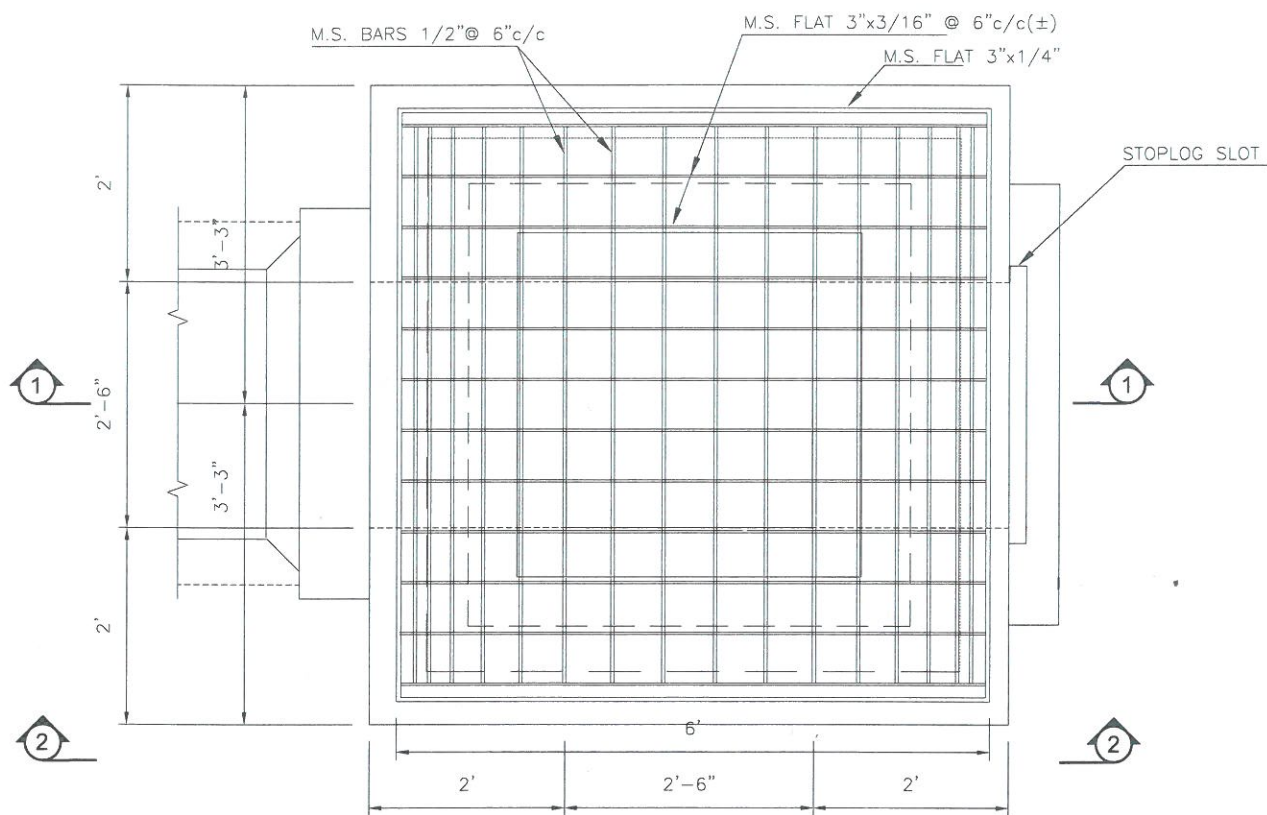
1. FOR CONDUIT LAYOUT PLAN SEE DWG. NO. 7.1
2. FOR SECTIONS SEE DWG. NO. 7.2 TO 7.4

NOTE

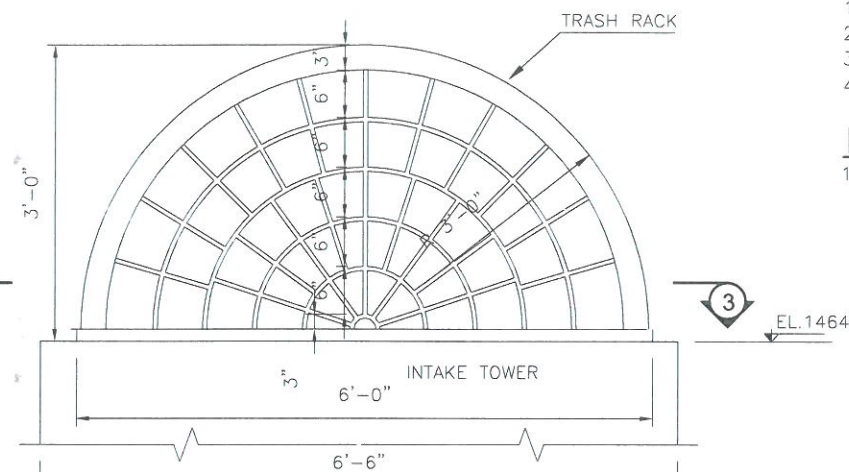
1. ALL DIMENSIONS AND LEVELS ARE IN FEET.



S.NO.	DATE		DESCRIPTIONS		CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT					
SMALL DAM PROJECT					
SUMARI PAYAN DAM					
INTAKE STRUCTURE PLAN, SECTIONS					
AND DETAILS					
					
PAKISTAN ENGINEERING SERVICES (PVT.) LTD.					
188 - Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.					
DRAWN:	ZAHID RANA			DATE: JUNE 2009	REV. NO.
DESIGNED:	ZESHAN			FIGURE NO.	
CHECKED:	D.K. KIRMANI				
APPROVED:	SIRTI UL HASSAN NADVI			7.5	



TRASHRACK PLAN
INLET STRUCTURE AT EL.3000.0



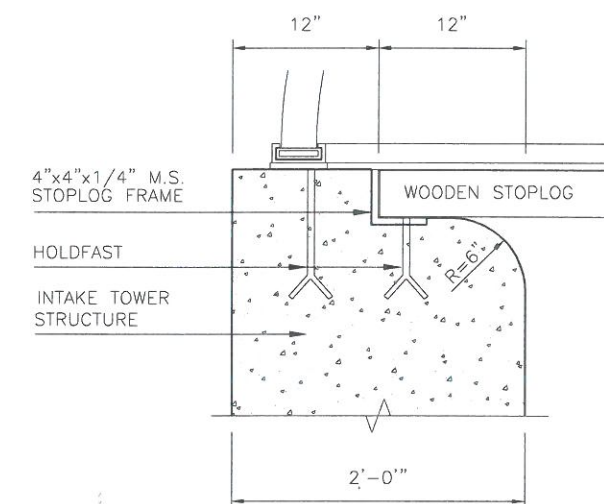
SECTION 2-2
(ELEVATION OF TRASHRACK)

REFERENCE DRAWINGS

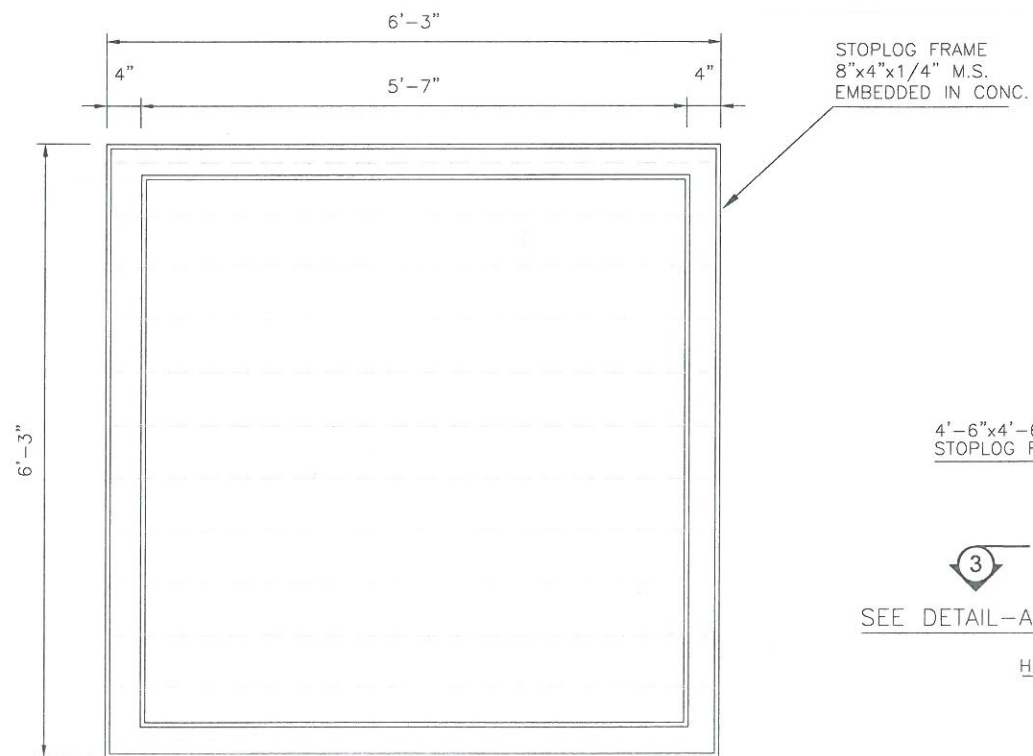
1. FOR CONDUIT PLAN SEE DWG. NO. 7.1
2. FOR L-SECTION SEE DWG. NO. 7.2
3. FOR X-SECTIONS SEE DWG. NO. 7.3 & 7.4
4. FOR INTAKE DETAILS SEE DWG. NO. 7.5

NOTE

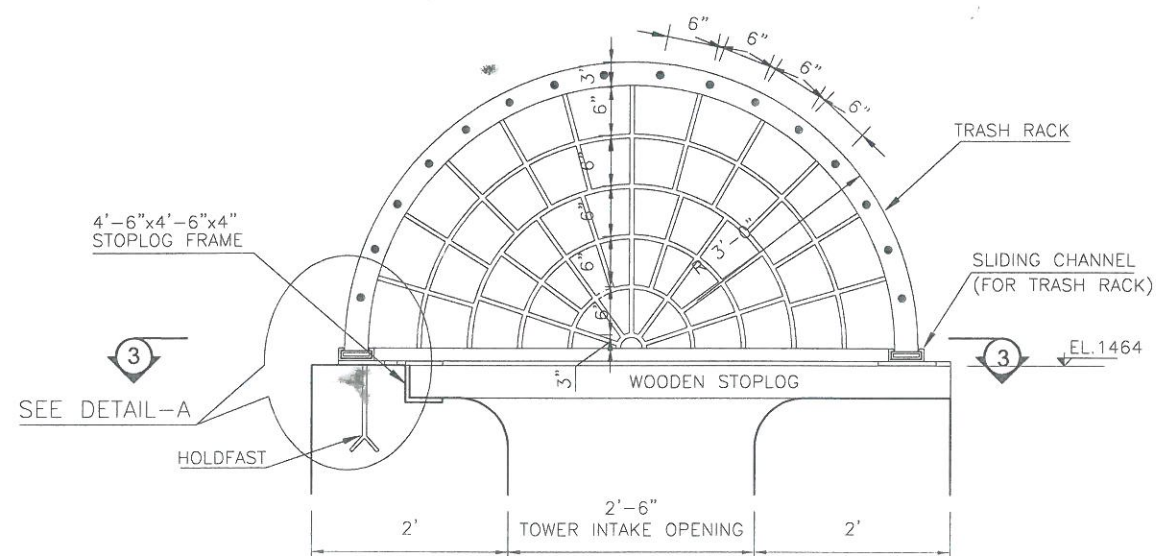
1. ALL DIMENSIONS AND LEVELS ARE IN FEET.



DETAIL - A

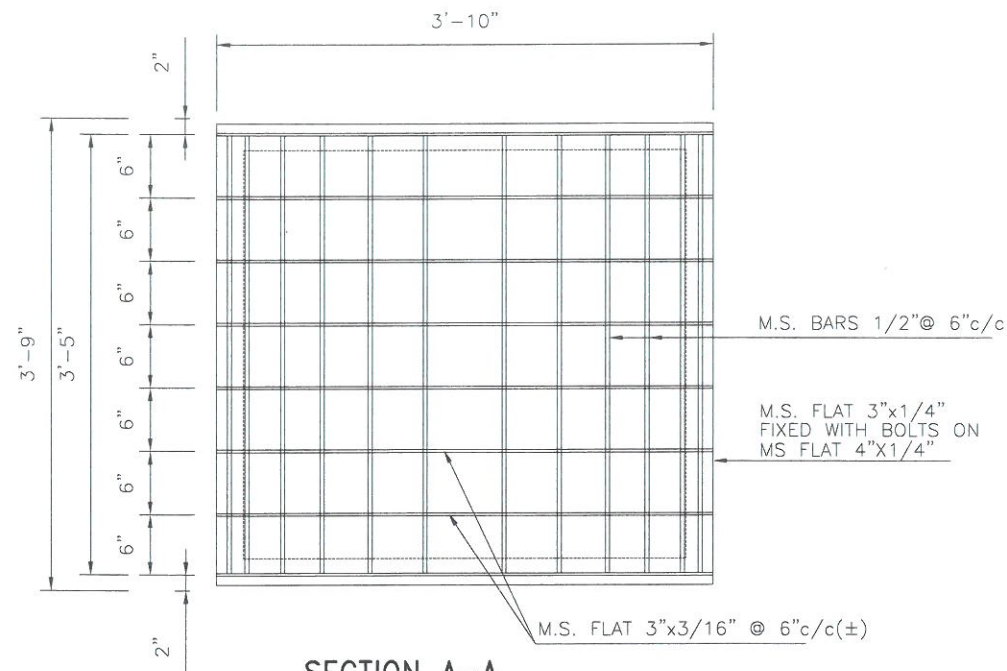


STOPLOG FRAME 3-3
PLAN

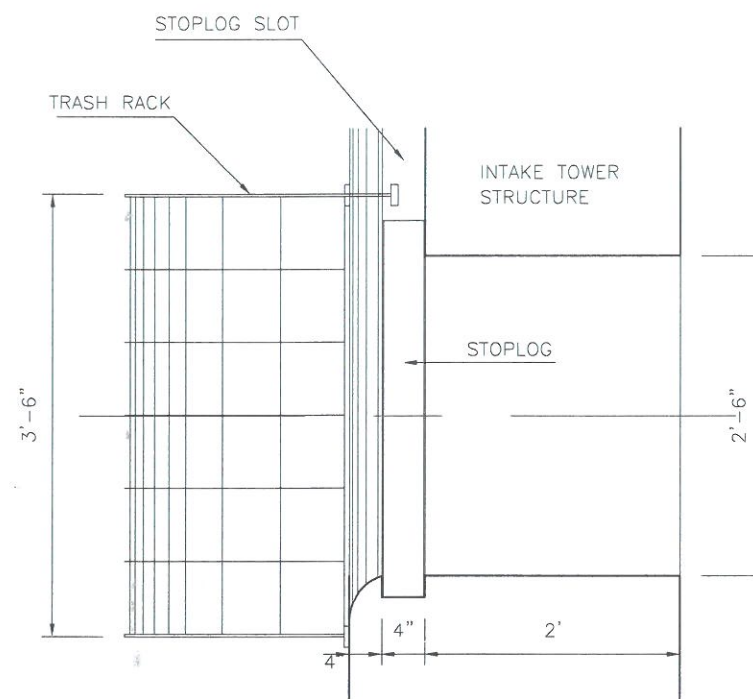


SECTION 1-1

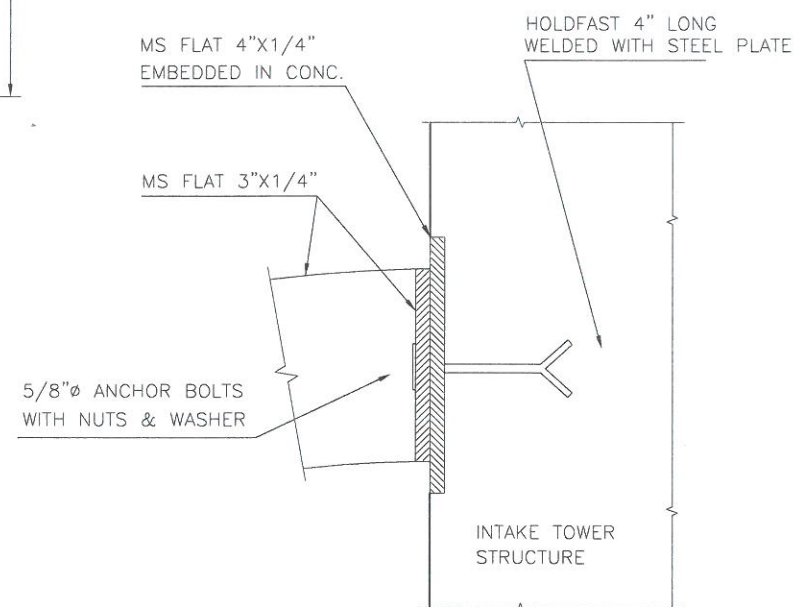
S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM IRRIGATION CONDUIT INTAKE TRASHRACK DETAILS			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 - Y, COMMERCIAL AREA, PHASE-III, D.H.A., LAHORE.			
DRAWN:	ZAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ZESHAN	FIGURE NO.	
CHECKED:	D.K. KIRMANI	7.6	
APPROVED:	SIBT UL HASSAN NAQVI		



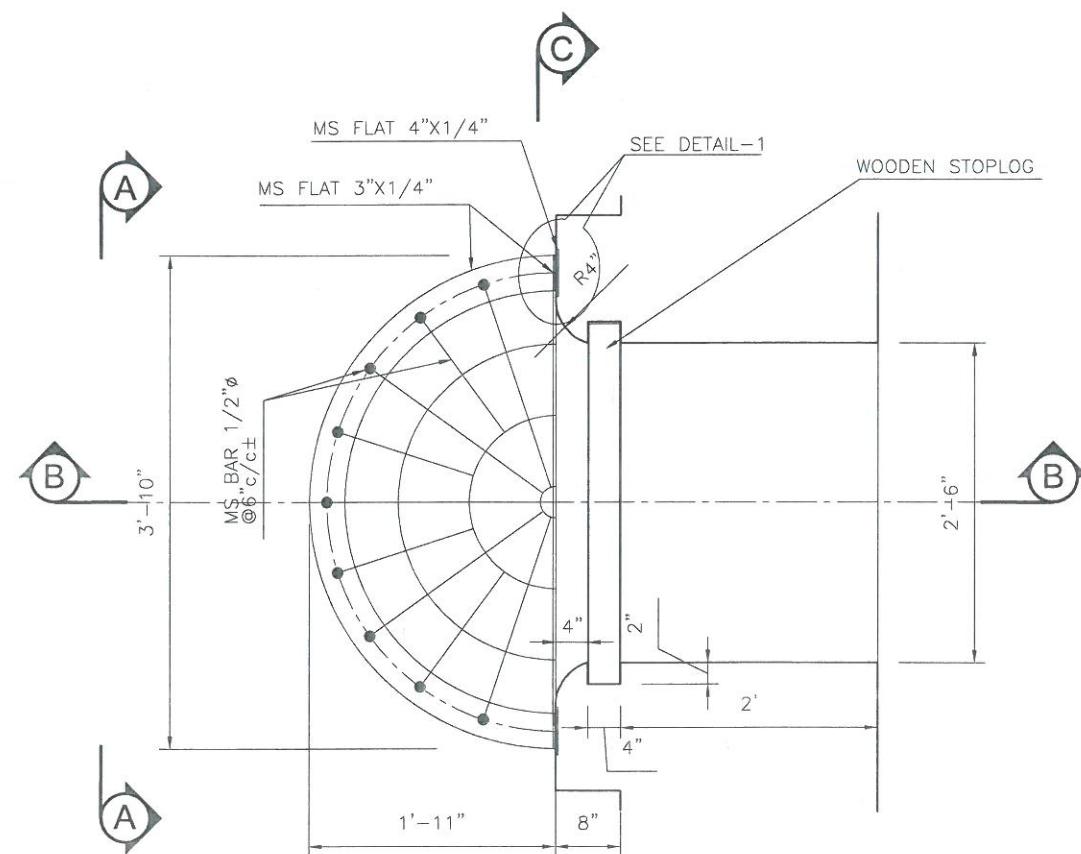
SECTION A-A
LOWER TASHRACK ELEVATION



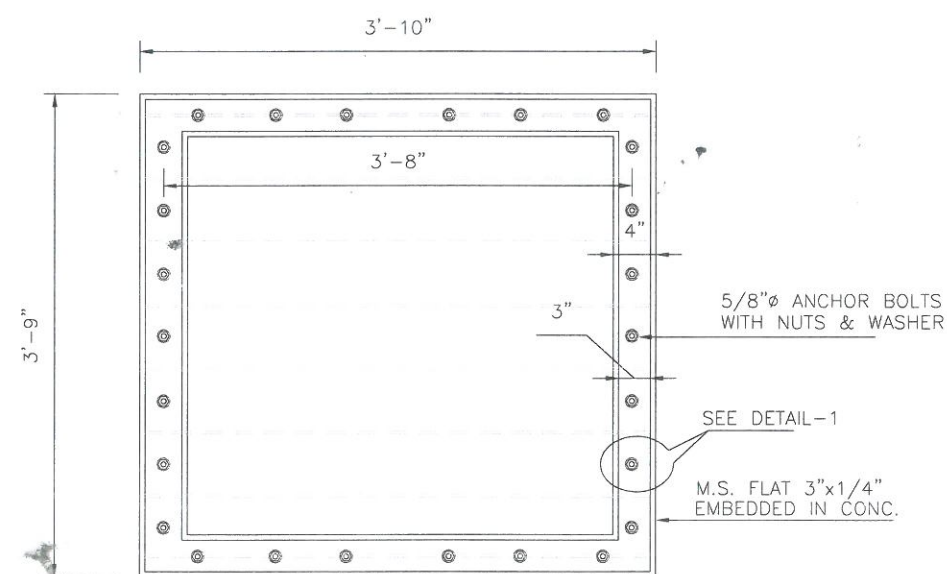
SECTION B-B



DETAIL - 1



LOWER TASHRACK
PLAN



SECTION C-C
LOWER TASHRACK FRAME

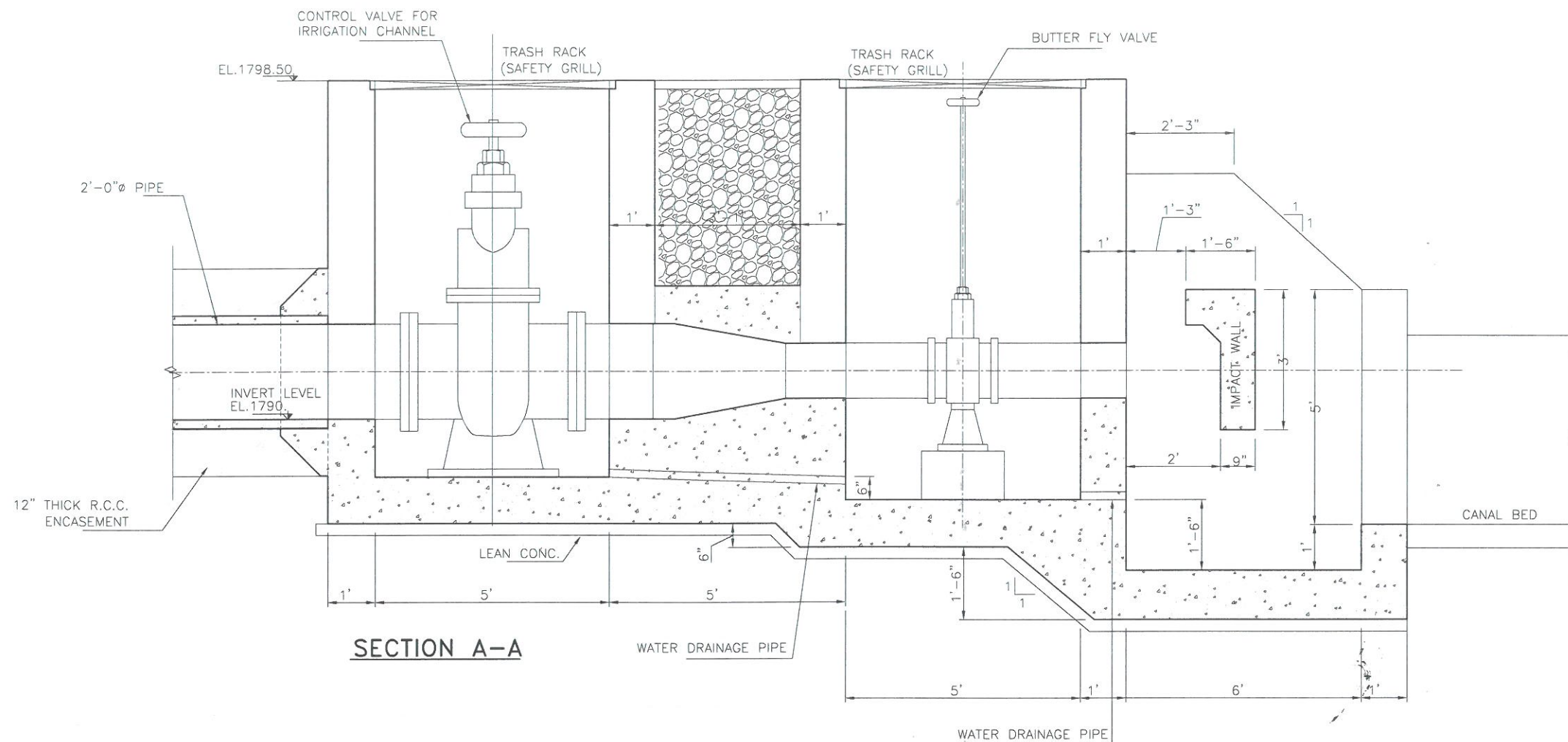
REFERENCE DRAWINGS

1. FOR CONDUIT PLAN SEE DWG. NO. 7.1
2. FOR L-SECTION SEE DWG. NO. 7.2
3. FOR X-SECTIONS SEE DWG. NO. 7.3 & 7.4
4. FOR INTAKE DETAILS SEE DWG. NO. 7.5

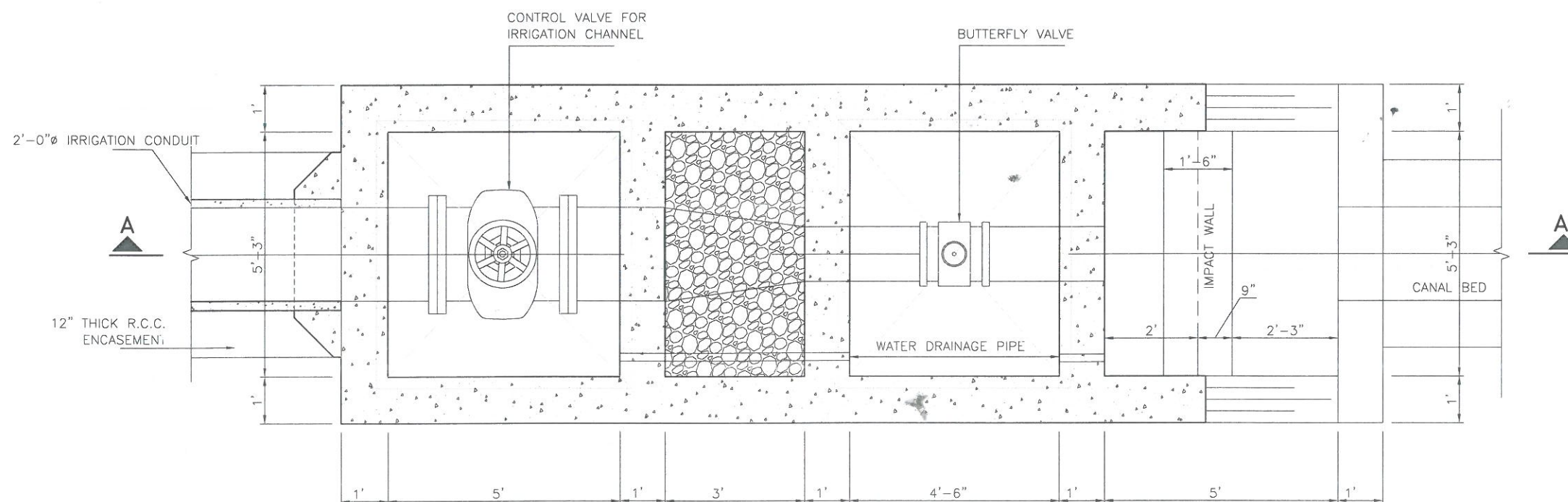
NOTE

1. ALL DIMENSIONS AND LEVELS ARE IN FEET.

S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM TRASHRACK AND STOPLOG DETAILS INTAKE OPENING AT LOWER LEVEL			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	ZAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ZESHAN	FIGURE NO.	
CHECKED:	D.K. KIRMANI	7.7	
APPROVED:	SIBT UL HASSAN NAQVI		



SECTION A-A



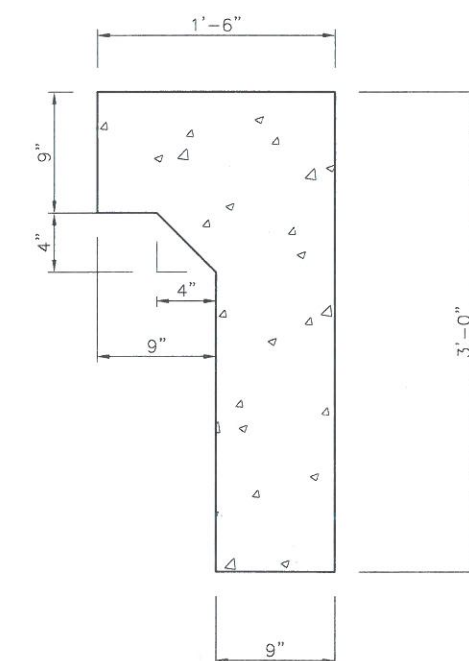
OUTLET STRUCTURE PLAN

REFERENCE DRAWINGS

1. FOR CONDUIT PLAN SEE DWG. NO. 7.1
2. FOR L-SECTION SEE DWG. NO. 7.2
3. FOR X-SECTIONS SEE DWG. NO. 7.3 & 7.4

NOTE

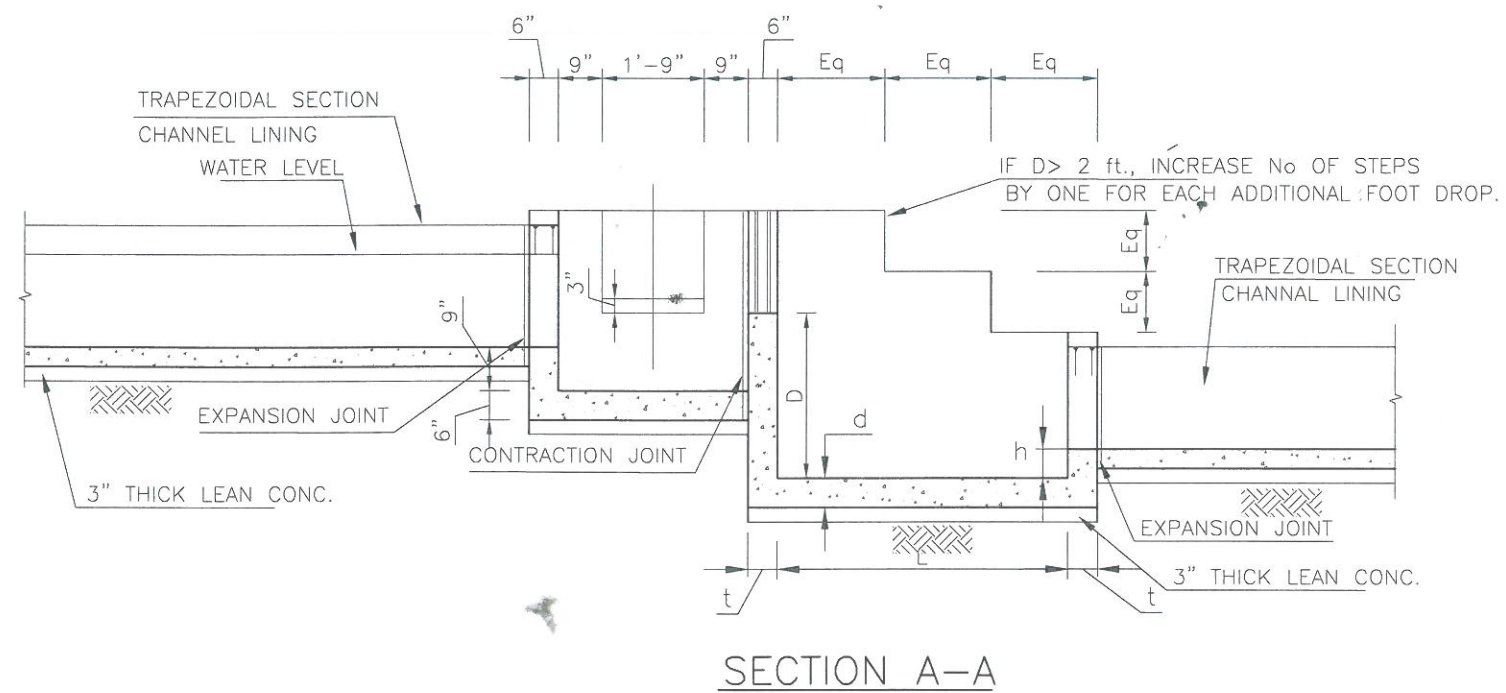
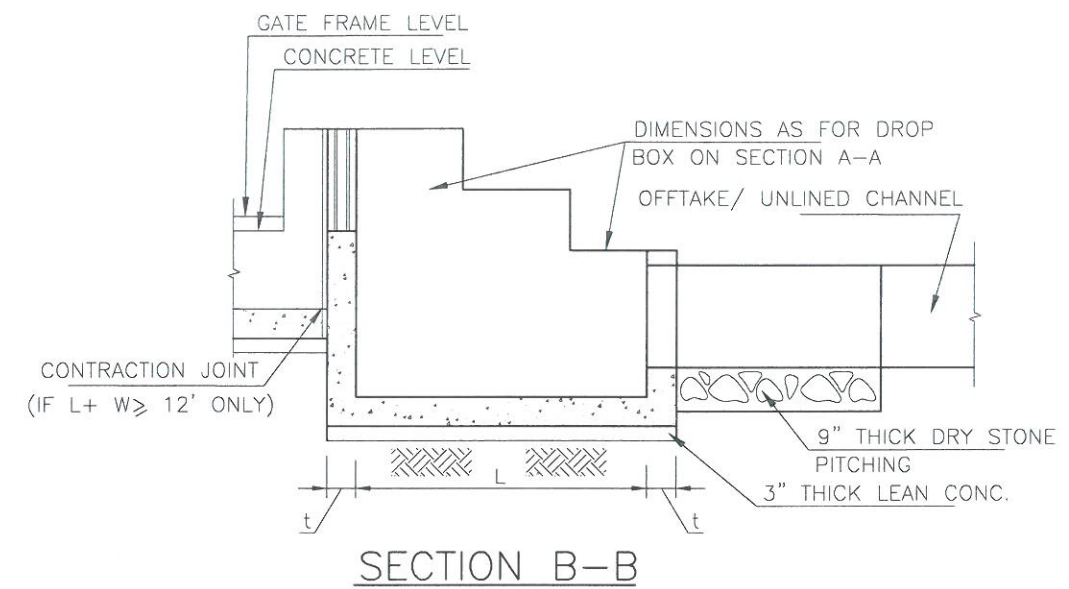
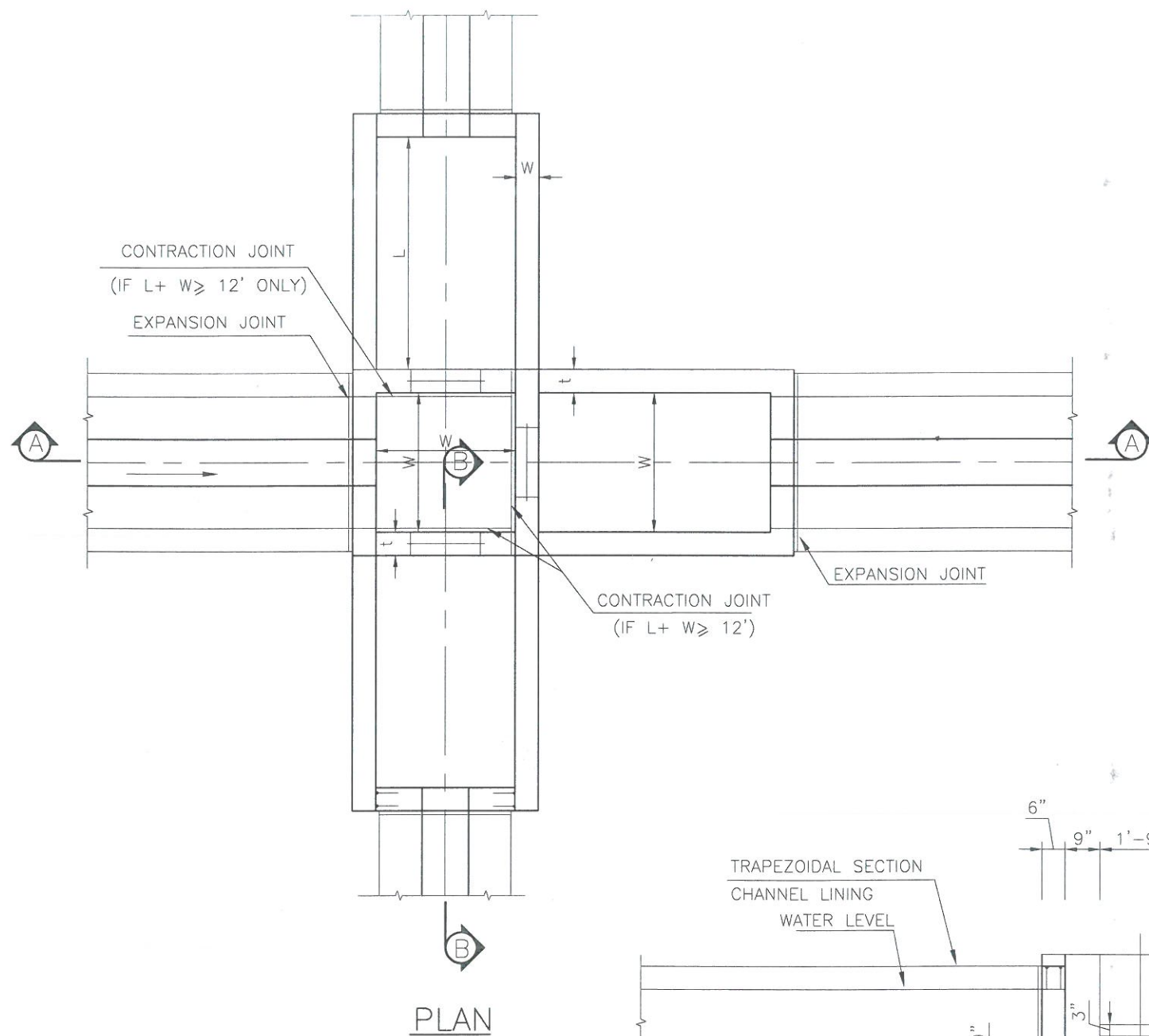
1. ALL DIMENSIONS AND LEVELS ARE IN FEET.



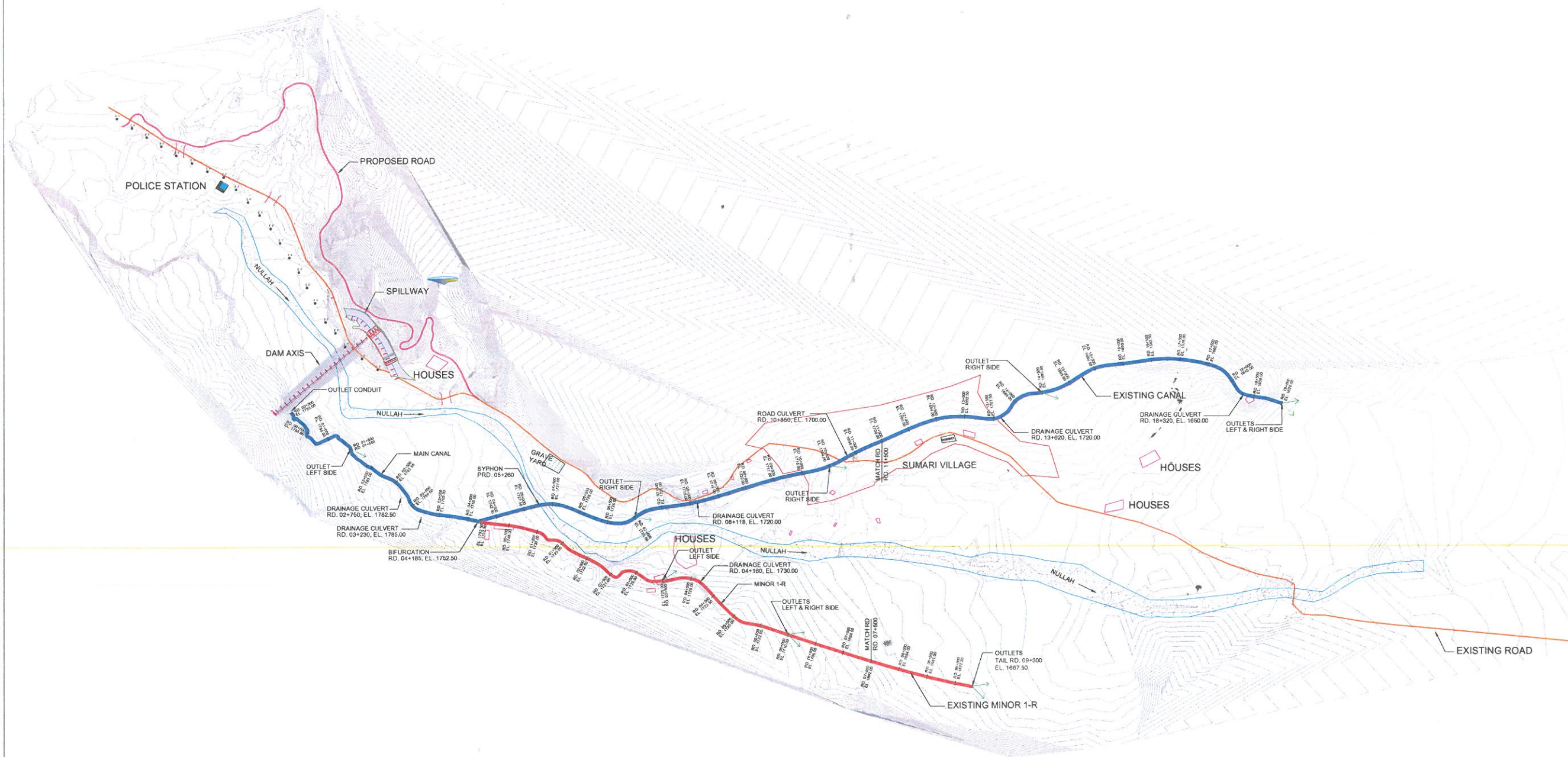
IMPACT WALL DETAIL



S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM IRRIGATION CONDUIT OUTLET STRUCTURE & DETAILS			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE			
DRAWN:	ZAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ZESHAN	FIGURE NO.	
CHECKED:	D.K. KIRMANI	7.8	
APPROVED:	SIBT UL HASSAN NAQVI		

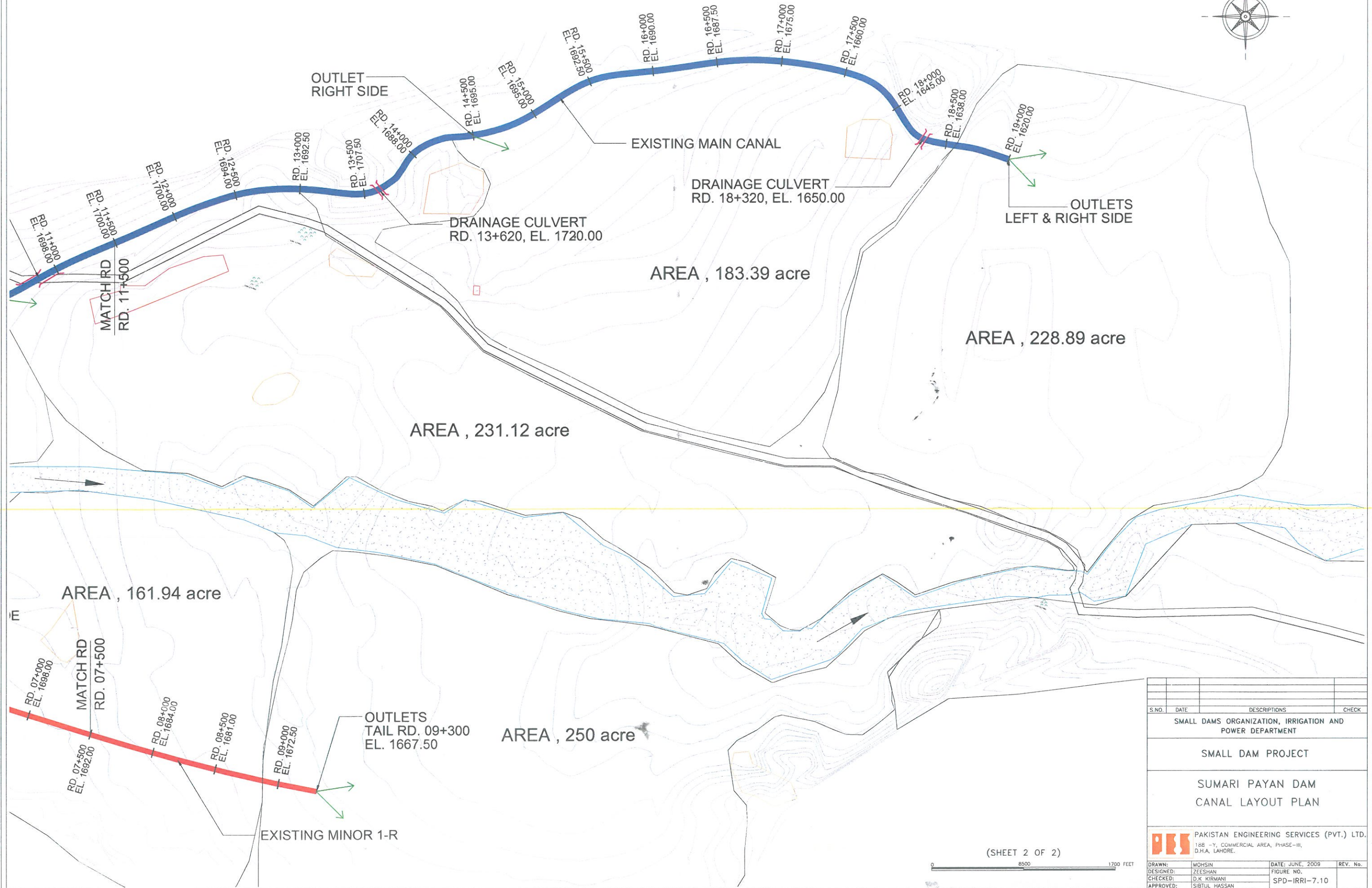
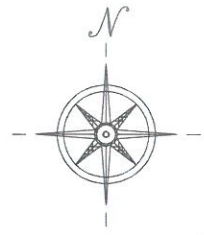


S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
OUTLET (TYPICAL)			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	M.NAEEM MINHAS	DATE: JUNE 2009	REV. No.
DESIGN:	ANWAR KHAN	DRAWING NO.	
CHECKED:	D.K. KIRMANI	7.13	
APPROVED:	SIBT UL HASSAN NAQVI		



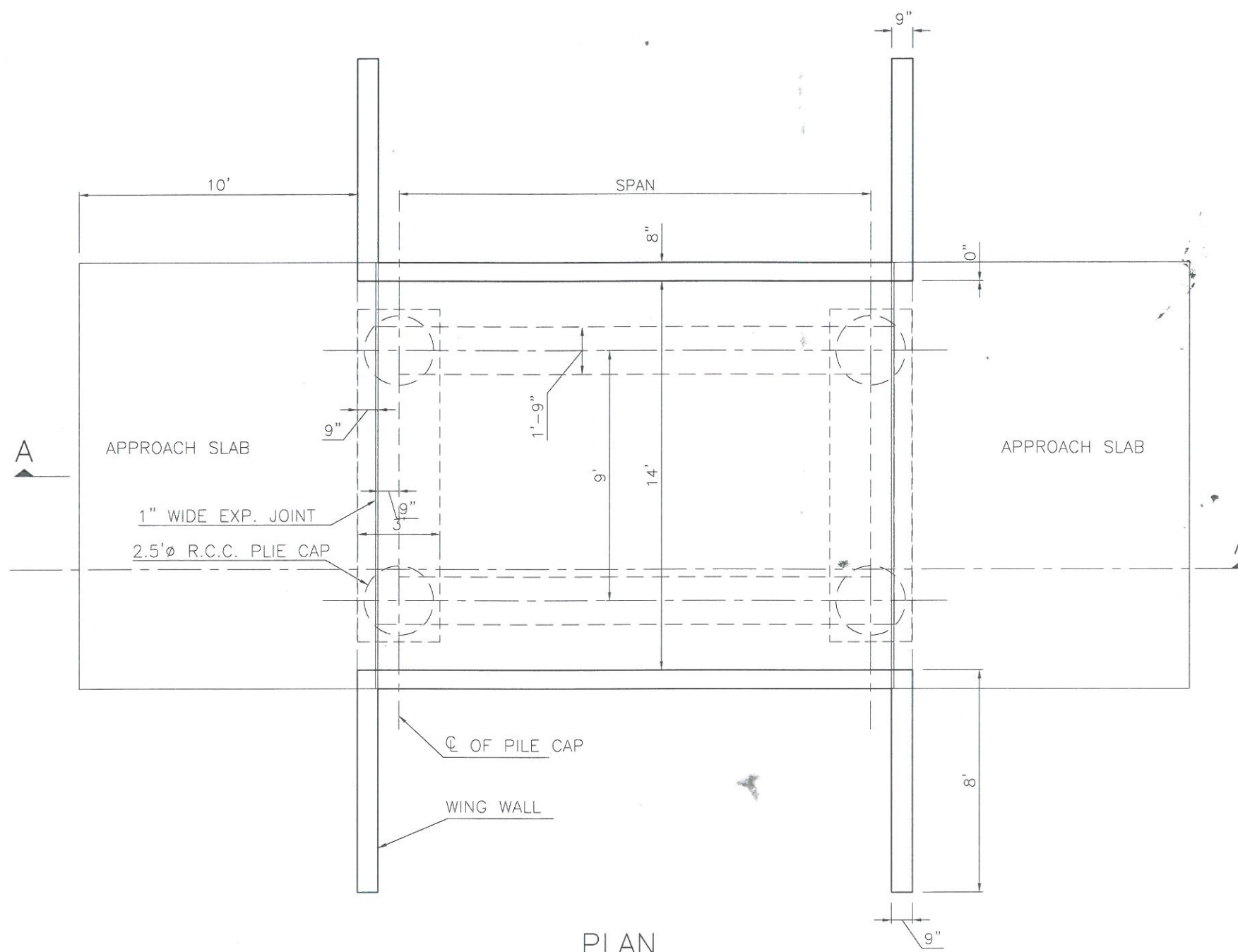
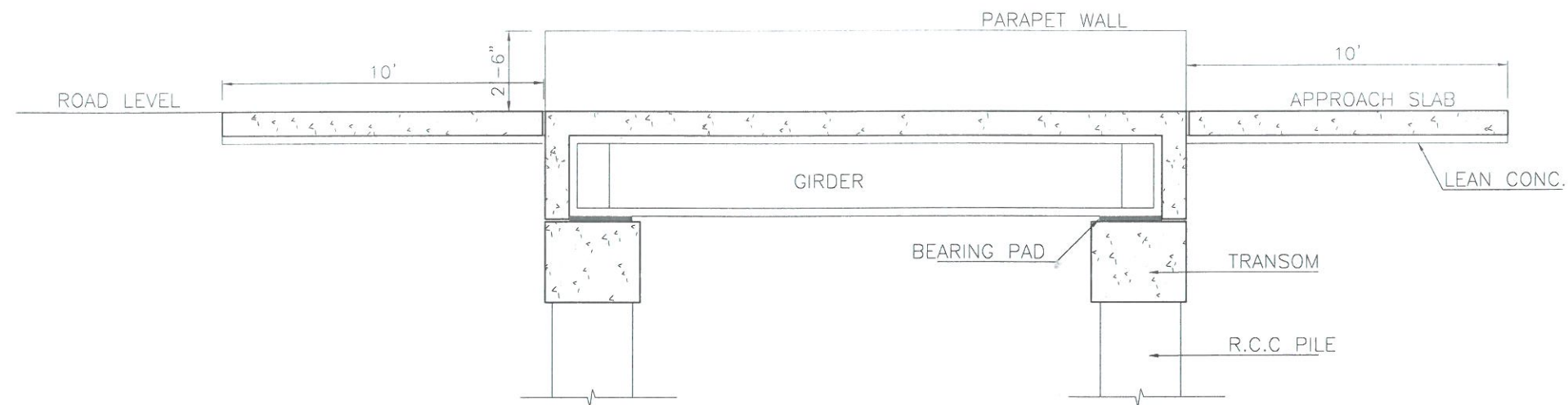
S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION AND POWER DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM SURVEY PLAN			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 168 - Y, COMMERCIAL AREA, PHASE-III, D.H.A. LAHORE.			
DRAWN:	MOHSIN	DATE: JUNE, 2009	REV. No.
DESIGNED:	ZEESHAN	FIGURE NO.	
CHECKED:	D.K. KIRMANI	SPD-S-2.1	
APPROVED:	SIBTUL HASSAN		

0 2000 4000 FEET

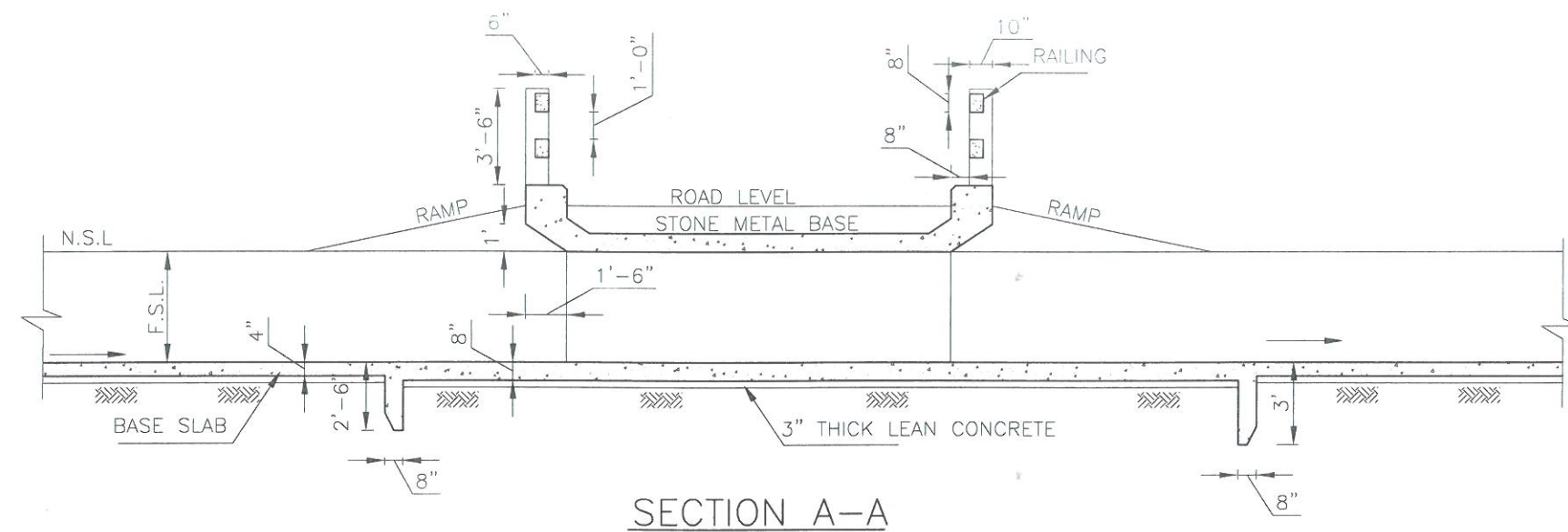


(SHEET 2 OF 2)

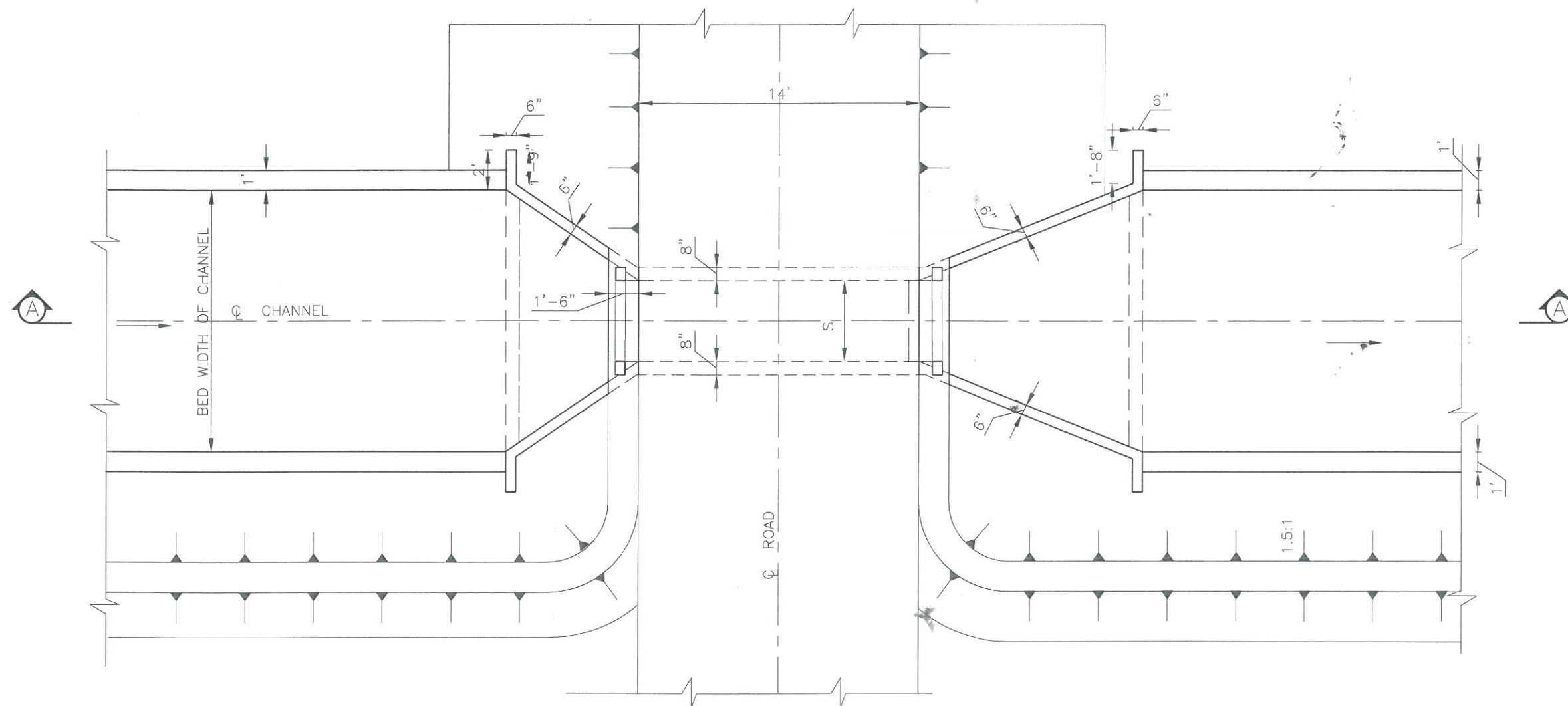
S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION, IRRIGATION AND POWER DEPARTMENT			
SMALL DAM PROJECT			
SUMARI PAYAN DAM CANAL LAYOUT PLAN			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	MOHSIN	DATE: JUNE, 2009	REV. No.
DESIGNED:	ZEESHAN	FIGURE NO.	
CHECKED:	D.K KIRMANI	SPD-IRR1-7.10	
APPROVED:	SIBTUL HASSAN		



S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
V.R BRIDGE PLAN & SECTION (TYP)			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	ZAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ANWAR KHAN	DRAWING NO.	
CHECKED:	D.K. KIRMANI	7.11	
APPROVED:	SIBT UL HASSAN NAQVI		



SECTION A-A



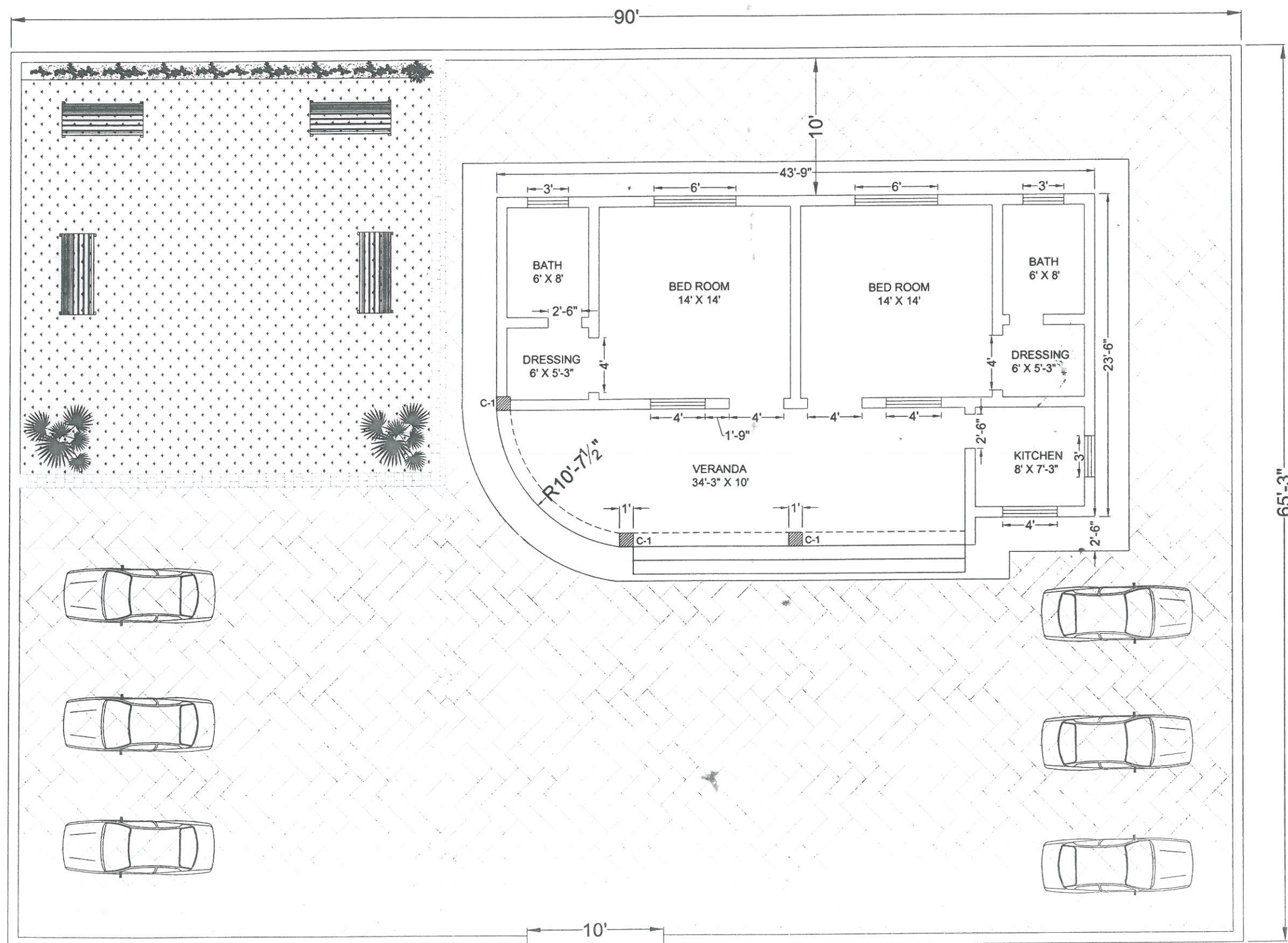
PLAN

S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
ROAD CULVERT (TYP.)			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	ZAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ANWAR KHAN	DRAWING NO.	
CHECKED:	D.K. KIRMANI	7.12	
APPROVED:	SIBT UL HASSAN NAQVI		

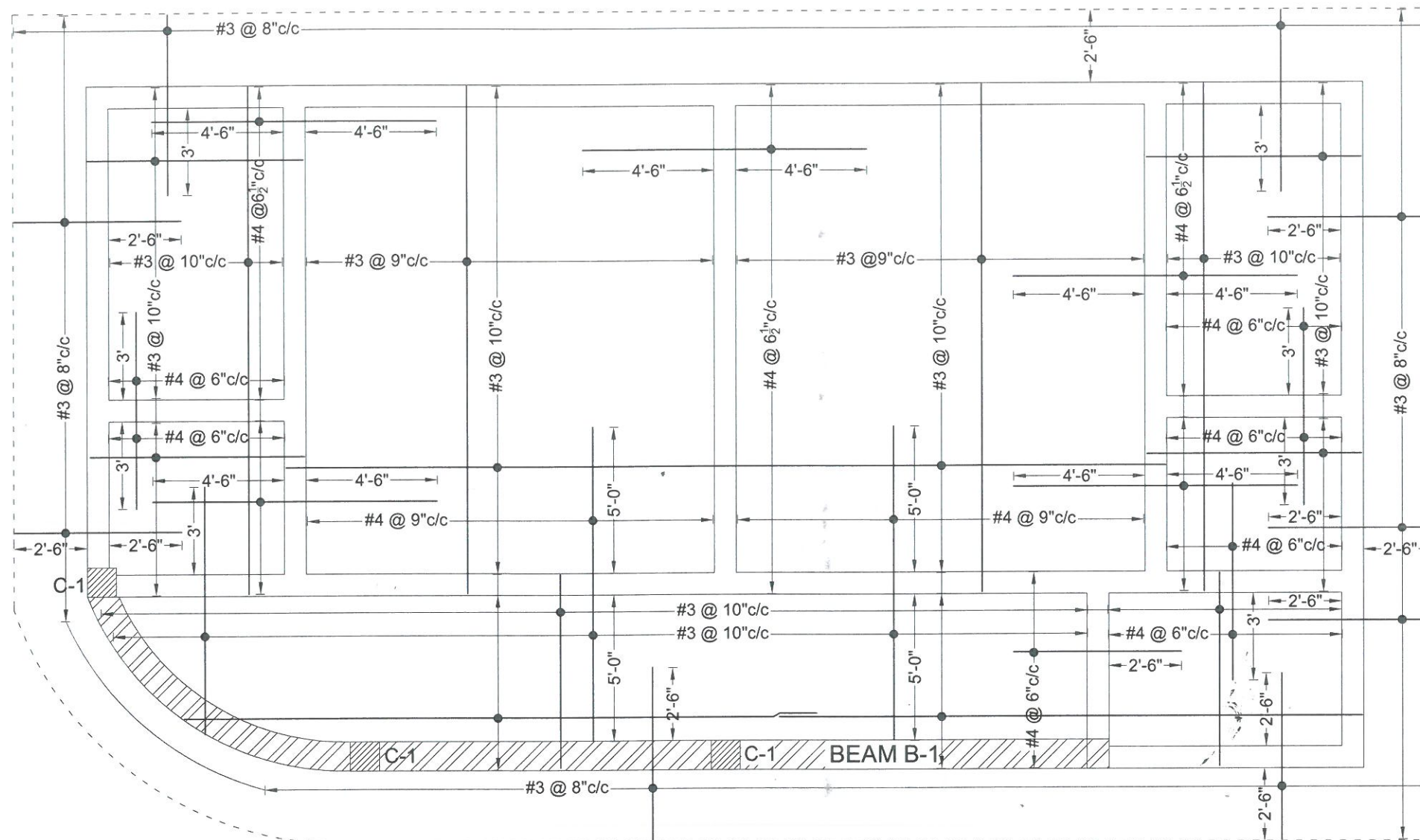


S.NO.	DATE	DESCRIPTIONS	CHECK
SMALL DAMS ORGANIZATION IRRIGATION DEPARTMENT			
SMALL DAM PROJECT			
AQUEDUCT PLAN AND SECTION (TYPICAL)			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 188 -Y, COMMERCIAL AREA, PHASE-III, D.H.A, LAHORE.			
DRAWN:	TAHID RANA	DATE: JUNE 2009	REV. No.
DESIGNED:	ANWAR KHAN	DRAWING NO.	
CHECKED:	D.K. KIRMANI	7.14	
APPROVED:	SIBT UL HASSAN NAOVI		

NOTE:-
1:- ALL LEVEL AND DIMENSIONS ARE IN FEET



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT CHOWKIDAR HUT PLAN			
 PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
CADED BY:	FARDOO ALI	DATE:	REV. No.
DESIGNED:	ADNAN MANZOOR	DRAWING NO.	
CHECKED:	ASHFAQ ALI	SPD-CH-12	
APPROVED:			

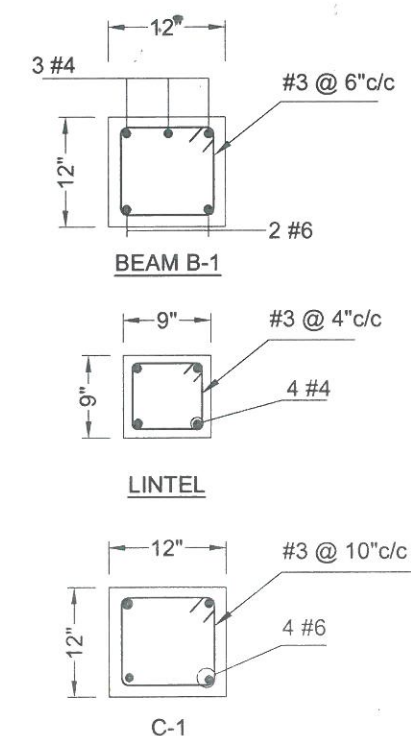
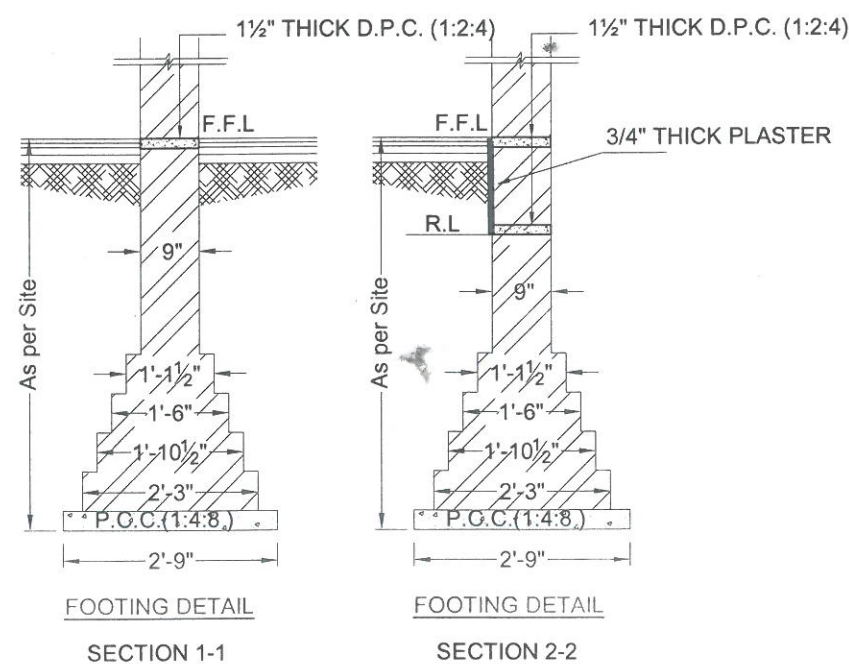
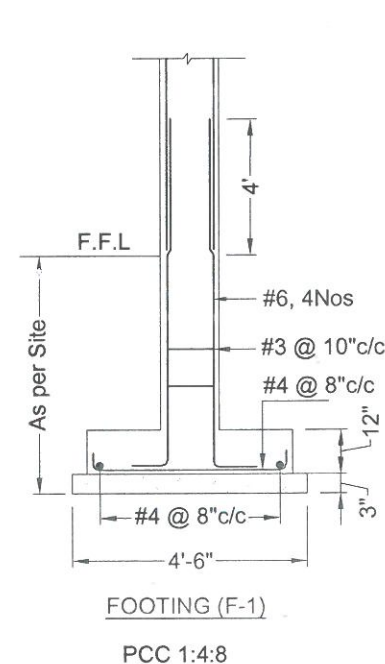


NOTE:-
1:- ALL LEVEL AND DIMENSIONS ARE IN FEET

SHEET 2 OF 3

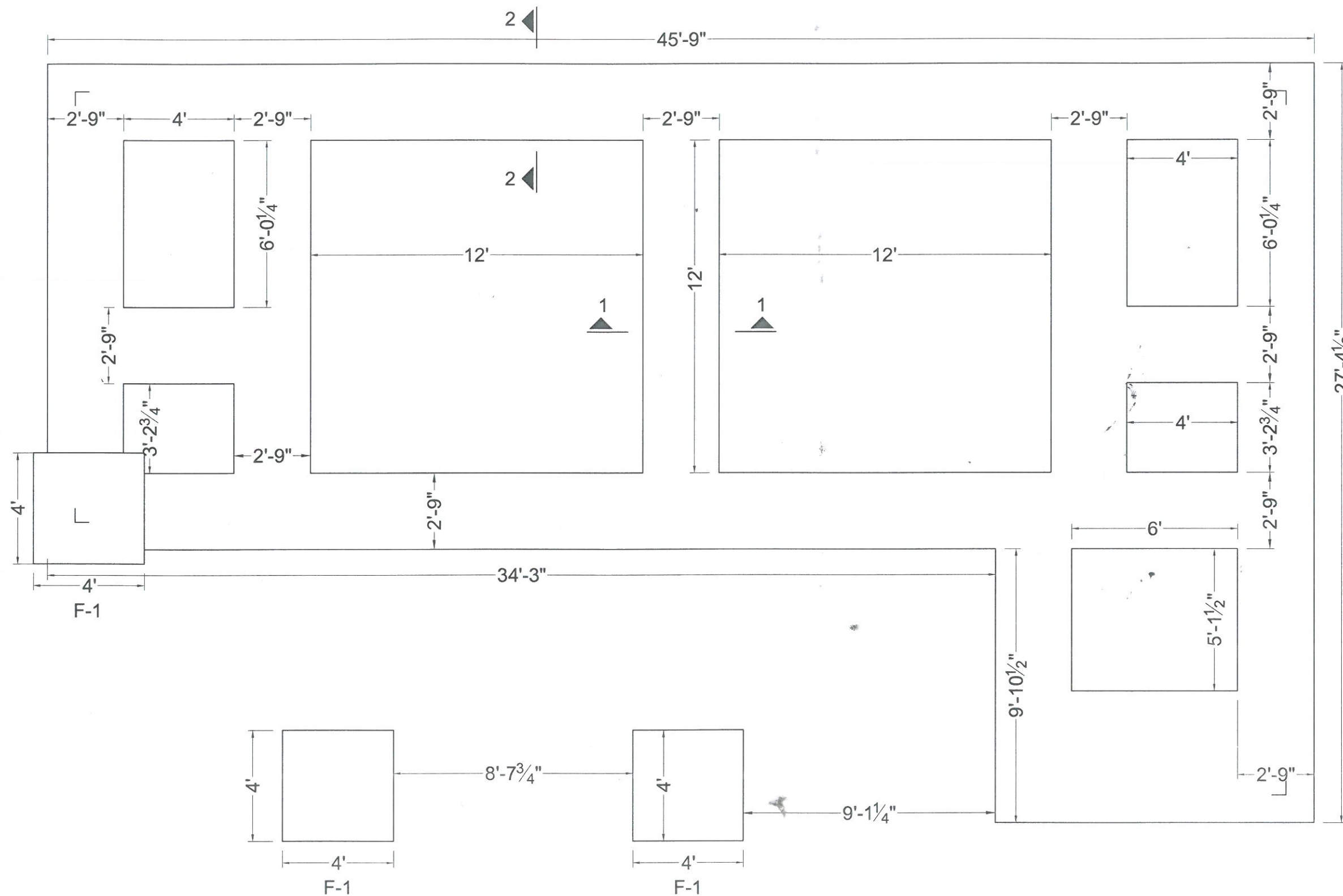
SLAB STEEL DETAIL SLAB THICKNESS 5"

0 7 14 FEET



S.NO.	DATE	DESCRIPTIONS	CHECK
		DIRECTORATE GENERAL SMALL DAMS IRRIGATION DEPARTMENT KHYBER PAKHTUNKHAWA	
		SMALL DAM PROJECT	
		SUMARI PAYAN DAM PROJECT CHOWKIDAR HUT REINFORCEMENT DETAIL	
		PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.	
DESIGNED BY:	FAROOQ ALI	DATE: 06-09-2023	REV. No.
CHECKED BY:	ADNAN MANZOOR	DRAWING NO.	
APPROVED BY:	ASHFAQ ALI	CH-01	
	COL. ABBAS H. NAQVI		

NOTE:-
1:- ALL LEVEL AND DIMENSIONS ARE IN FEET



SHEET 3 OF 3



S.NO.	DATE	DESCRIPTIONS	CHECK
DIRECTORATE GENERAL SMALL DAMS IRRIGATION			
DEPARTMENT KHYBER PAKHTUNKHAWA			
SMALL DAM PROJECT			
SUMARI PAYAN DAM PROJECT			
CHOWKIDAR HUT			
EXCAVATION PLAN			
PAKISTAN ENGINEERING SERVICES (PVT.) LTD. 7 - B, COMMERCIAL AREA, PHASE - V, D.H.A, LAHORE.			
DESIGNED BY:	FAROOQ ALI	DATE: 06-09-2023	REV. No.
CHECKED BY:	ADNAN MANZOOR	DRAWING NO.	
APPROVED BY:	ASHFAQ ALI	CH-01	--
	COL. ABBAS H. NAQVI		